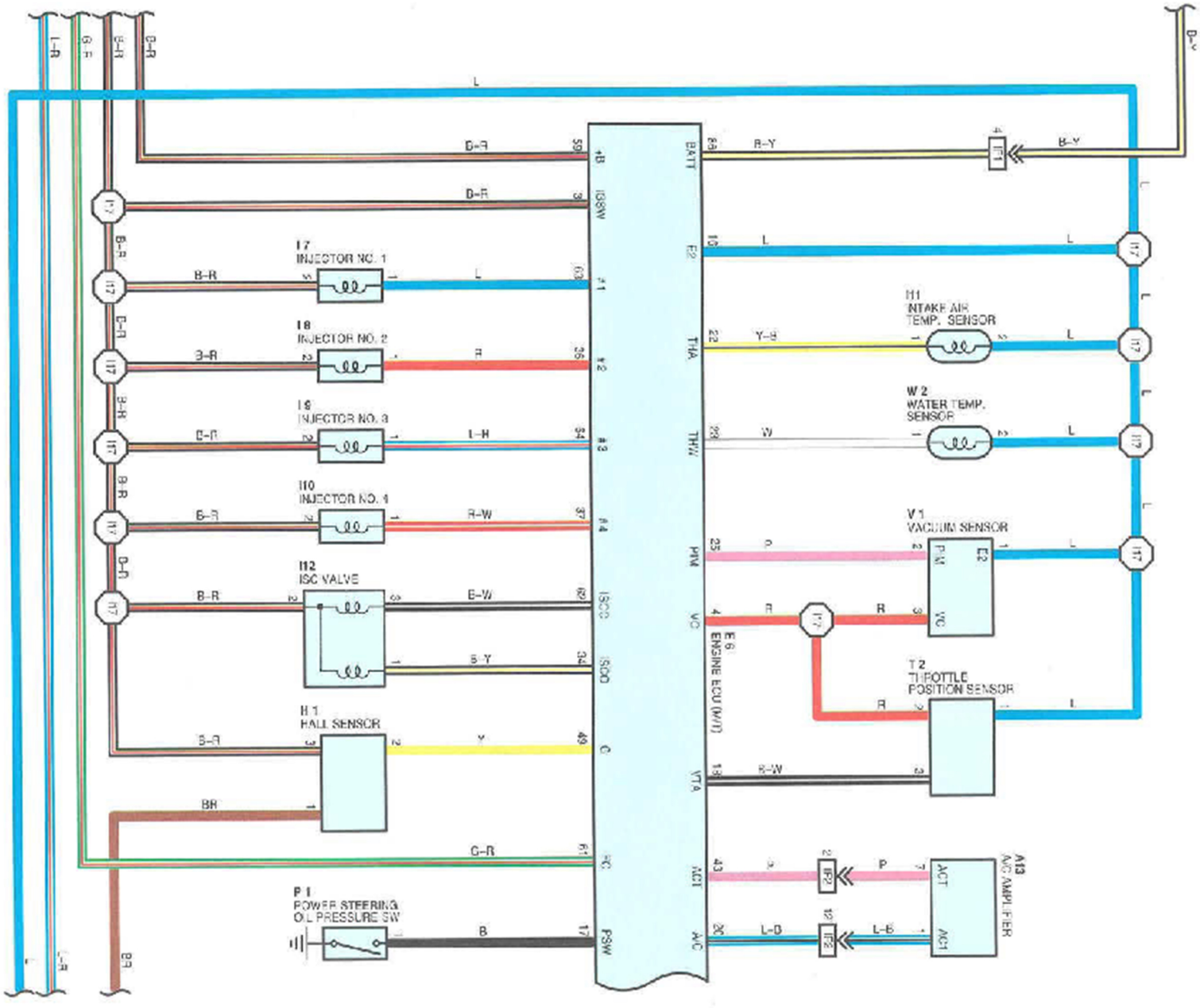
TOYOTA

Avensis AZT250 ZZT250, ZZT251 CDT250 Series

2003-2009

Electrical Wiring Diagram 526 & 625



FOREWORD

This wiring diagram manual has been prepared to provide information on the electrical system of the AVENSIS.

Applicable models: AZT250 Series
ZZT250, 251 Series
CDT250 Series

For service specifications and repair procedures of the above models other than those listed in this manual, refer to the following manuals;

Manual Name	Pub. No.
● AVENSIS Chassis and Body Repair	
Volume 1	RM1018E1
Volume 2	RM1018E2
● 1AZ–FSE Engine Repair Manual	RM1019E
● AVENSIS New Car Features	NCF240E

All information in this manual is based on the latest product information at the time of publication. However, specifications and procedures are subject to change without notice.

TOYOTA MOTOR CORPORATION

NOTICE

When handling supplemental restraint system components (removal, installation or inspection, etc.), always follow the direction given in the repair manuals listed above to prevent accidents and supplemental restraint system malfunction.

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A INTRODUCTION

This manual consists of the following 13 sections:

No.	Section	Description
A	INDEX	Index of the contents of this manual.
	INTRODUCTION	Brief explanation of each section.
B	HOW TO USE THIS MANUAL	Instructions on how to use this manual.
C	TROUBLE–SHOOTING	Describes the basic inspection procedures for electrical circuits.
D	ABBREVIATIONS	Defines the abbreviations used in this manual.
E	GLOSSARY OF TERMS AND SYMBOLS	Defines the symbols and functions of major parts.
F	RELAY LOCATIONS	Shows position of the Electronic Control Unit, Relays, Relay Block, etc. This section is closely related to the system circuit.
G	ELECTRICAL WIRING ROUTING	Describes position of Parts Connectors, Splice points, Ground points, etc. This section is closely related to the system circuit.
H	INDEX	Index of the system circuits.
	SYSTEM CIRCUITS	Electrical circuits of each system are shown from the power supply through ground points. Wiring connections and their positions are shown and classified by code according to the connection method. (Refer to the section, ”How to use this manual”). The ”System Outline” and ”Service Hints” useful for troubleshooting are also contained in this section.
I	GROUND POINT	Shows ground positions of all parts described in this manual.
J	POWER SOURCE (Current Flow Chart)	Describes power distribution from the power supply to various electrical loads.
K	CONNECTOR LIST	Describes the form of the connectors for the parts appeared in this book. This section is closely related to the system circuit.
L	PART NUMBER OF CONNECTORS	Indicates the part number of the connectors used in this manual.
M	OVERALL ELECTRICAL WIRING DIAGRAM	Provides circuit diagrams showing the circuit connections.

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This manual provides information on the electrical circuits installed on vehicles by dividing them into a circuit for each system.

The actual wiring of each system circuit is shown from the point where the power source is received from the battery as far as each ground point. (All circuit diagrams are shown with the switches in the OFF position.)

When troubleshooting any problem, first understand the operation of the circuit where the problem was detected (see System Circuit section), the power source supplying power to that circuit (see Power Source section), and the ground points (see Ground Point section). See the System Outline to understand the circuit operation.

When the circuit operation is understood, begin troubleshooting of the problem circuit to isolate the cause. Use Relay Location and Electrical Wiring Routing sections to find each part, junction block and wiring harness connectors, wiring harness and wiring harness connectors, splice points, and ground points of each system circuit. Internal wiring for each junction block is also provided for better understanding of connection within a junction block.
Wiring related to each system is indicated in each system circuit by arrows (from__, to__). When overall connections are required, see the Overall Electrical Wiring Diagram at the end of this manual.

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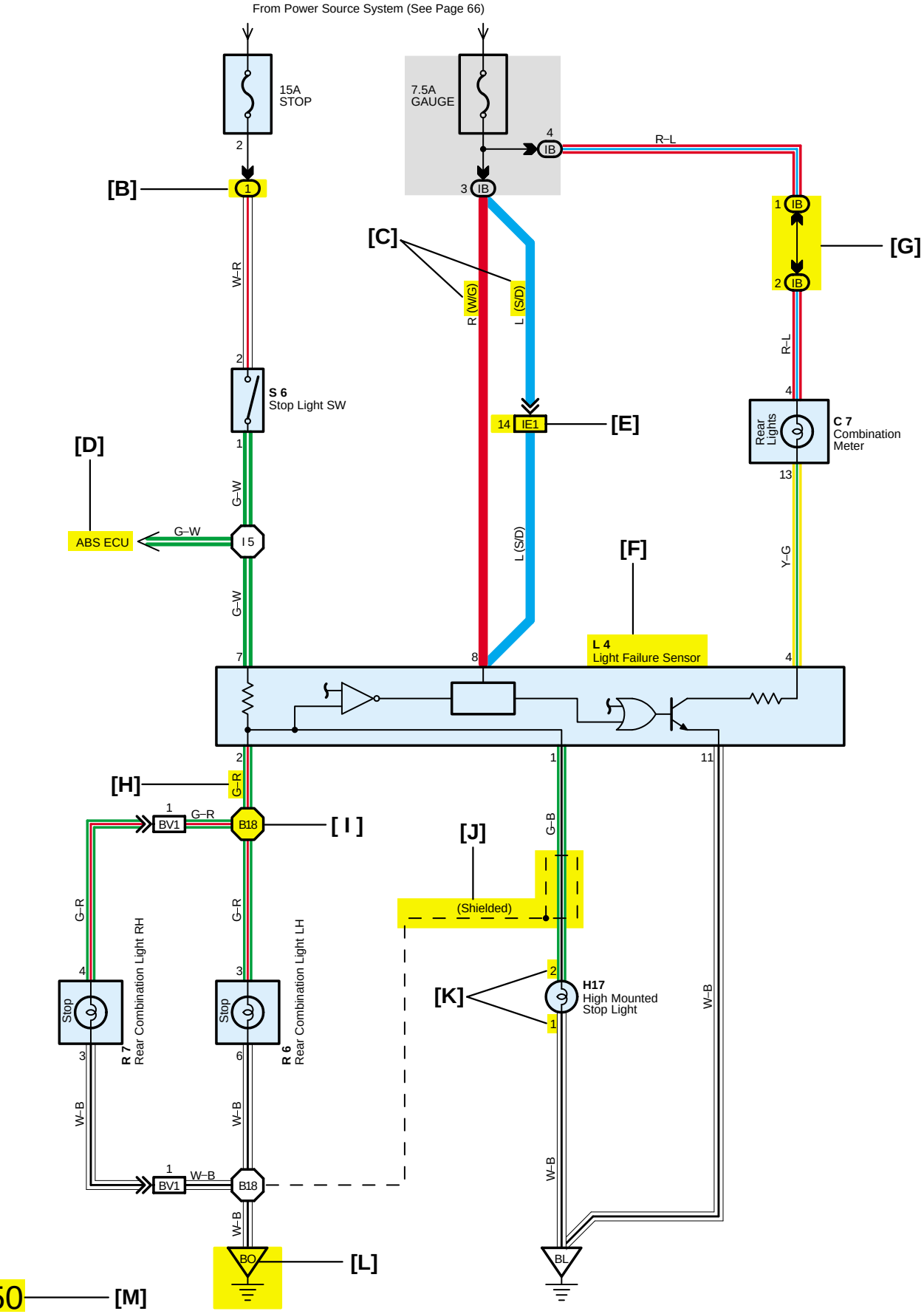
[A]

Stop Light

* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.



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[A] : System Title

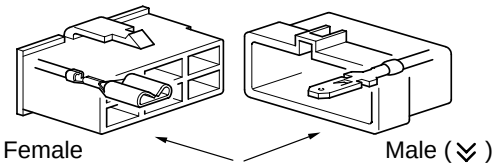
[B] : Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B

Example: (1) Indicates Relay Block No.1

[C] : ( ) is used to indicate different wiring and connector, etc. when the vehicle model, engine type, or specification is different.

[D] : Indicates related system.

[E] : Indicates the wiring harness and wiring harness connector. The wiring harness with male terminal is shown with arrows (»).
Outside numerals are pin numbers.



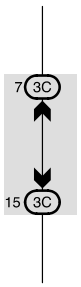
The first letter of the code for each wiring harness and wiring harness connector(s) indicates the component's location, e.g, "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.

When more than one code has the first and second letters in common, followed by numbers (e.g, IH1, IH2), this indicates the same type of wiring harness and wiring harness connector.

[F] : Represents a part (all parts are shown in sky blue). The code is the same as the code used in parts position.

[G] : Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

Example:



3C indicates that it is inside Junction Block No.3

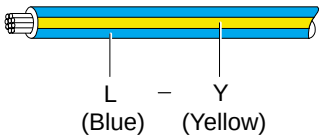
[H] : Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

B	= Black	W	= White	BR	= Brown
L	= Blue	V	= Violet	SB	= Sky Blue
R	= Red	G	= Green	LG	= Light Green
P	= Pink	Y	= Yellow	GR	= Gray
O	= Orange				

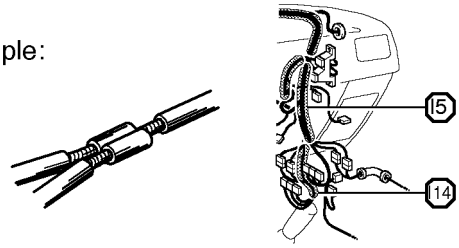
The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

Example: L – Y



[I] : Indicates a wiring Splice Point (Codes are "E" for the Engine Room, "I" for the Instrument Panel, and "B" for the Body).

Example:

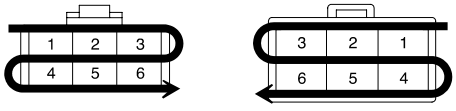


The Location of splice Point I 5 is indicated by the shaded section.

[J] : Indicates a shielded cable.

[K] : Indicates the pin number of the connector.
The numbering system is different for female and male connectors.

Example:



[L] : Indicates a ground point.

The first letter of the code for each ground point(s) indicates the component's location, e.g, "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.

[M] : Page No.

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[N] **System Outline**

Current is applied at all times through the STOP fuse to TERMINAL 2 of the stop light SW.
When the ignition SW is turned on, current flows from the GAUGE fuse to TERMINAL 8 of the light failure sensor, and also flows through the rear lights warning light to TERMINAL 4 of the light failure sensor.

Stop Light Disconnection Warning

When the ignition SW is turned on and the brake pedal is pressed (Stop light SW on), if the stop light circuit is open, the current flowing from TERMINAL 7 of the light failure sensor to TERMINALS 1, 2 changes, so the light failure sensor detects the disconnection and the warning circuit of the light failure sensor is activated.
As a result, the current flows from TERMINAL 4 of the light failure sensor to TERMINAL 11 to GROUND and turns the rear lights warning light on. By pressing the brake pedal, the current flowing to TERMINAL 8 of the light failure sensor keeps the warning circuit on and holds the warning light on until the ignition SW is turned off.

[O] **Service Hints**

S6 Stop Light SW

2–1 : Closed with the brake pedal depressed

L4 Light Failure Sensor

1, 2, 7–Ground : Approx. 12 volts with the stop light SW on
4, 8–Ground : Approx. 12 volts with the ignition SW at ON position
11–Ground : Always continuity

[P] **: Parts Location**

Code	See Page	Code	See Page	Code	See Page
C7	34	L4	36	R7	37
H17	36	R6	37	S6	35

[Q] **: Relay Blocks**

Code	See Page	Relay Blocks (Relay Block Location)
1	18	R/B No.1 (Instrument Panel Brace LH)

[R] **: Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	20	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
3C	22	Instrument Panel Wire and J/B No.3 (Instrument Panel Brace LH)

[S] **: Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	42	Floor Wire and Instrument Panel Wire (Left Kick Panel)
BV1	50	Luggage Room Wire and Floor Wire (Luggage Room Left)

[T] **: Ground Points**

Code	See Page	Ground Points Location
BL	50	Under the Left Center Pillar
BO	50	Back Panel Center

[U] **: Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I5	44	Cowl Wire	B18	50	Luggage Room Wire

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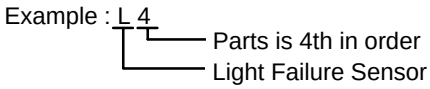
[N] : Explains the system outline.

[O] : Indicates values or explains the function for reference during troubleshooting.

[P] : Indicates the reference page showing the position on the vehicle of the parts in the system circuit.

Example : Part ”L4” (Light Failure Sensor) is on page 36 of the manual.

∗ The letter in the code is from the first letter of the part, and the number indicates its order in parts starting with that letter.



[Q] : Indicates the reference page showing the position on the vehicle of Relay Block Connectors in the system circuit.

Example : Connector ”1” is described on page 18 of this manual and is installed on the left side of the instrument panel.

[R] : Indicates the reference page showing the position on the vehicle of J/B and Wire Harness in the system circuit.

Example : Connector ”3C” connects the Instrument Panel Wire and J/B No.3. It is described on page 22 of this manual, and is installed on the instrument panel left side.

[S] : Indicates the reference page describing the wiring harness and wiring harness connector (the female wiring harness is shown first, followed by the male wiring harness).

Example : Connector ”IE1” connects the floor wire (female) and Instrument panel wire (male). It is described on page 42 of this manual, and is installed on the left side kick panel.

[T] : Indicates the reference page showing the position of the ground points on the vehicle.

Example : Ground point ”BO” is described on page 50 of this manual and is installed on the back panel center.

[U] : Indicates the reference page showing the position of the splice points on the vehicle.

Example : Splice point ”I5” is on the Cowl Wire Harness and is described on page 44 of this manual.

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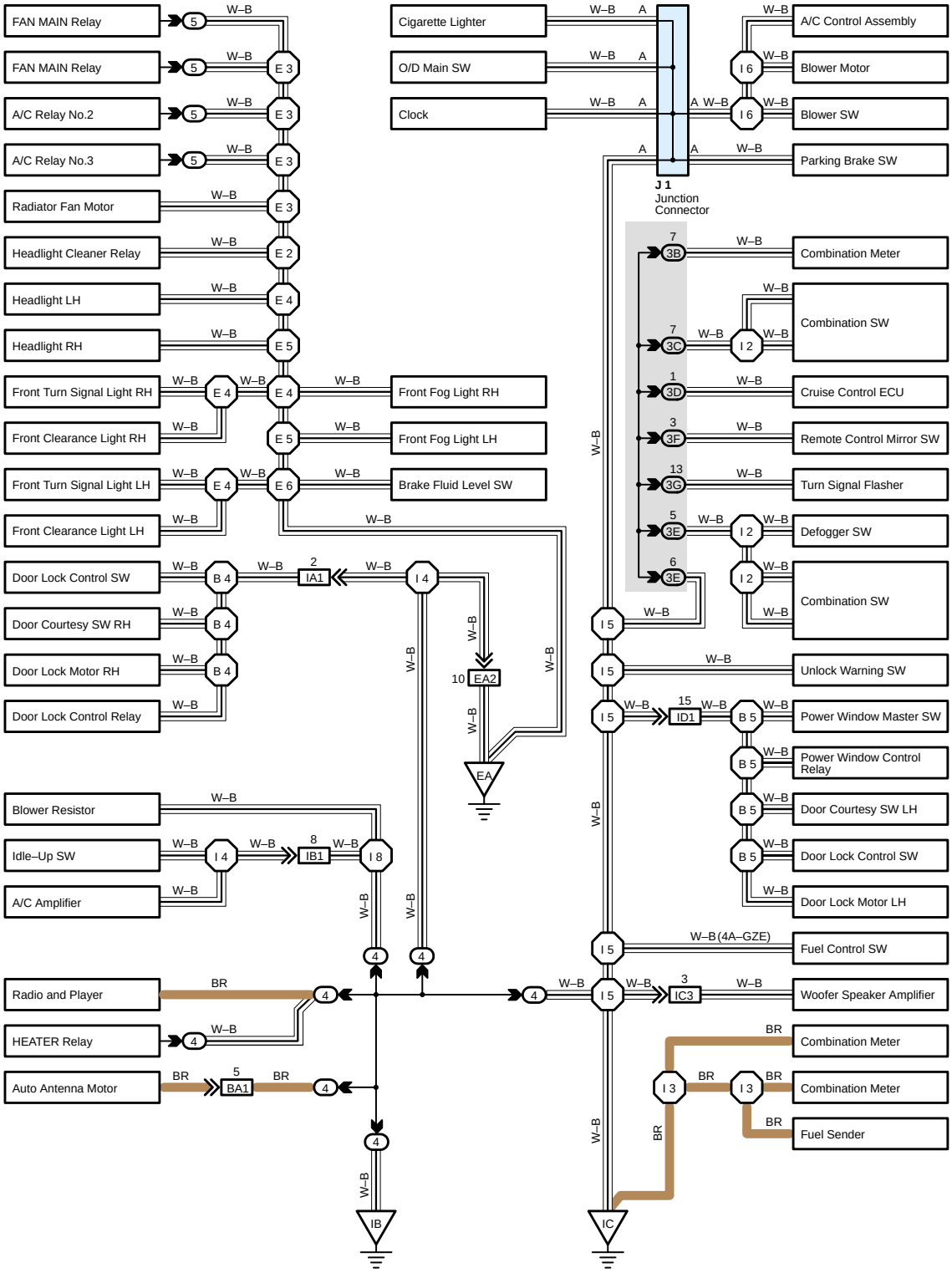
B HOW TO USE THIS MANUAL

The ground points circuit diagram shows the connections from all major parts to the respective ground points. When troubleshooting a faulty ground point, checking the system circuits which use a common ground may help you identify the problem ground quickly. The relationship between ground points (EA, IB and IC shown below) can also be checked this way.

I GROUND POINT



* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

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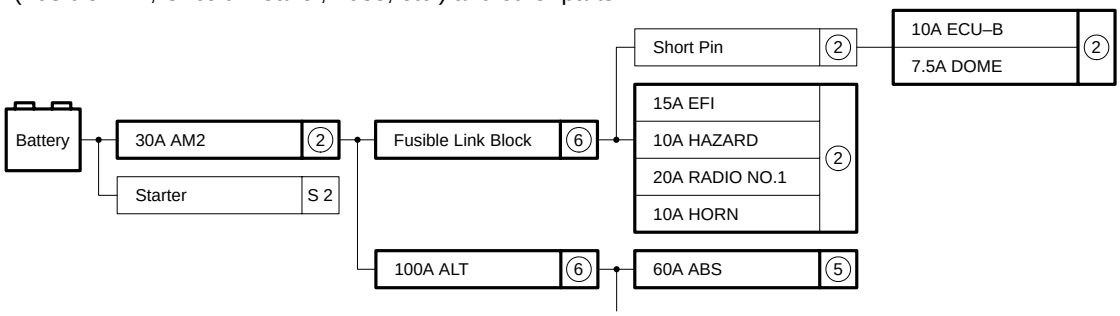
The ”Current Flow Chart” section, describes which parts each power source (fuses, fusible links, and circuit breakers) transmits current to. In the Power Source circuit diagram, the conditions when battery power is supplied to each system are explained. Since all System Circuit diagrams start from the power source, the power source system must be fully understood.

J POWER SOURCE (Current Flow Chart)

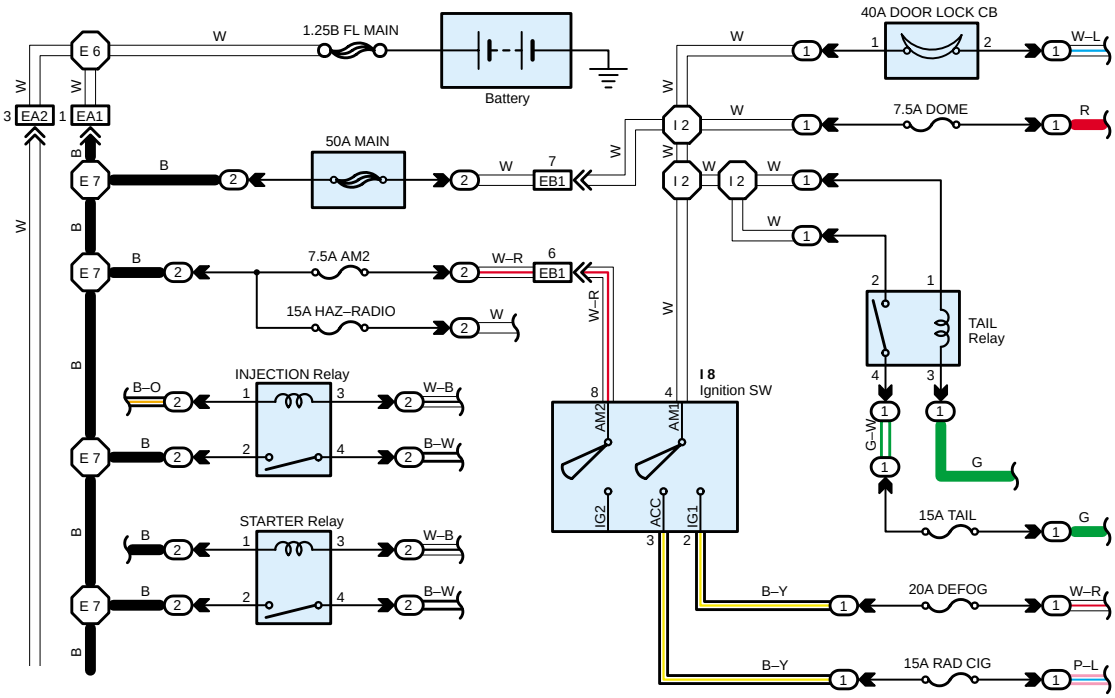
The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.



Engine Room R/B (See Page 20)

Fuse		System	Page
20A	STOP	ABS ABS and Traction Control Cruise Control Electronically Controlled Transmission Multiplex Communication System	194 187 180 166 210
10A	DOME	Cigarette Lighter Combination Meter Headlight Interior Light Key Reminder and Seat Belt Warning Light Auto Turn Off	214 230 112 122

Power Source



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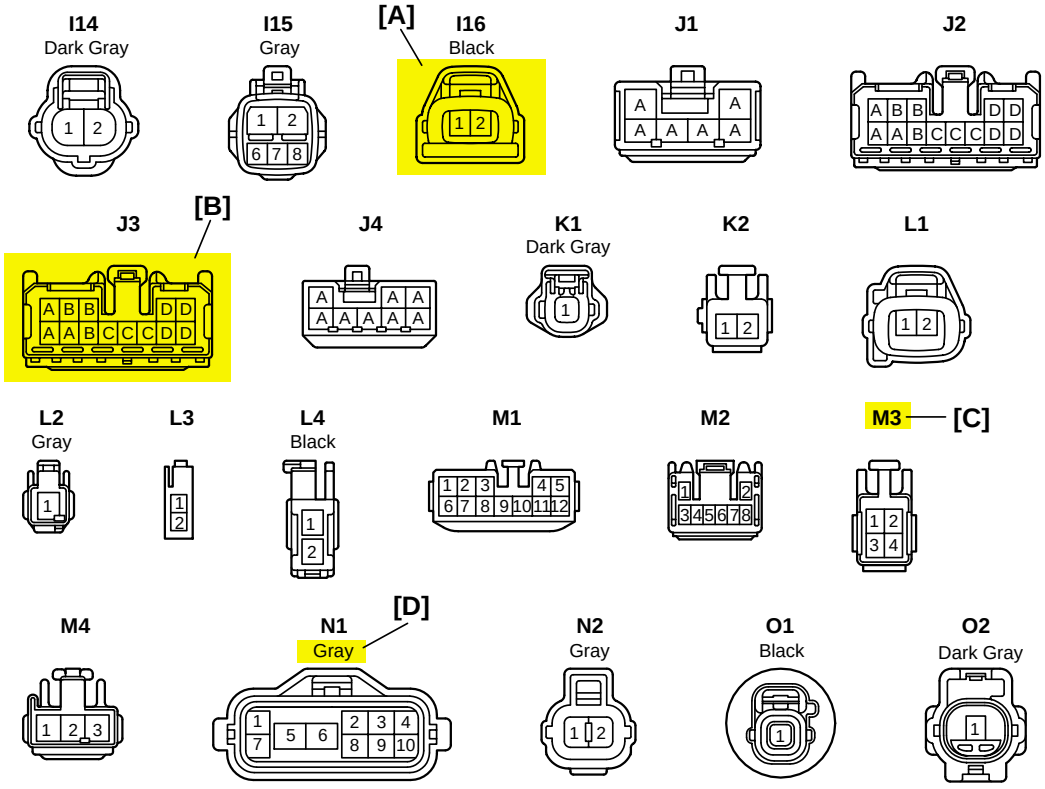
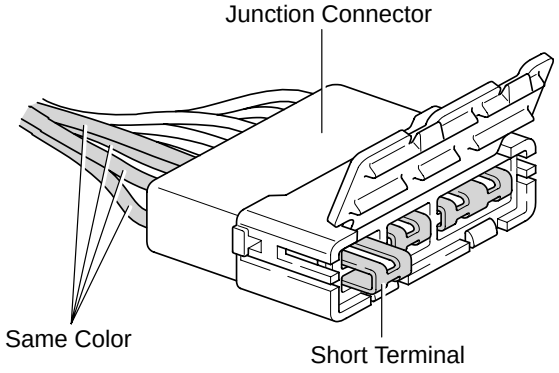
K CONNECTOR LIST



[A] : Indicates connector to be connected to a part. (The numeral indicates the pin No.)

[B] : Junction Connector
Indicates a connector which is connected to a short terminal.



Junction connector in this manual include a short terminal which is connected to a number of wire harnesses. Always perform inspection with the short terminal installed. (When installing the wire harnesses, the harnesses can be connected to any position within the short terminal grouping. Accordingly, in other vehicles, the same position in the short terminal may be connected to a wire harness from a different part.)
Wire harness sharing the same short terminal grouping have the same color.

[C] : Parts Code
The first letter of the code is taken from the first letter of part, and the numbers indicates its order in parts which start with the same letter.

[D] : Connector Color
Connectors not indicated are milky white in color.

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L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
A 1	A/C Ambient Temp. Sensor	90980–11070
A 2	A/C Condenser Fan Motor	90980–11237
A 3	A/C Condenser Fan Relay	90980–10940
A 4	A/C Condenser Fan Resistor	90980–10928
A 5	A/C Magnetic Clutch	90980–11271
A 6	A/T Oil Temp. Sensor	90980–11413
[A]	[B]	[C]
A 8	ABS Actuator	90980–11009
A 9	ABS Speed Sensor Front LH	90980–10941
A10	ABS Speed Sensor Front RH	90980–11002
A11	Airbag Sensor Front LH	90980–11856
A12	Airbag Sensor Front RH	
A13		90980–11194
		90980–11

Code	Part Name	Part Number
D 4	Diode (Courtesy)	90980–11608
D 5	Diode (Interior Light)	90980–10962
D 6	Diode (Moon Roof)	90980–11608
D 7	Door Lock Control Relay	90980–10848
D 8	Door Lock Control SW LH	90980–11148
D 9	Door Lock Control SW RH	
D10	Door Courtesy SW LH	90980–11097
D11	Door Courtesy SW RH	
D12	Door Courtesy SW Front LH	90980–11156
D13	Door Courtesy SW Front RH	
D14	Door Courtesy SW Rear LH	
D15	Door Courtesy SW Rear RH	
D16	and Unlock SW LH	90980–11170
	RH	

[A] : Part Code

[B] : Part Name

[C] : Part Number
Toyota Part Number are indicated.

Not all of the above part numbers of the connector are established for the supply.

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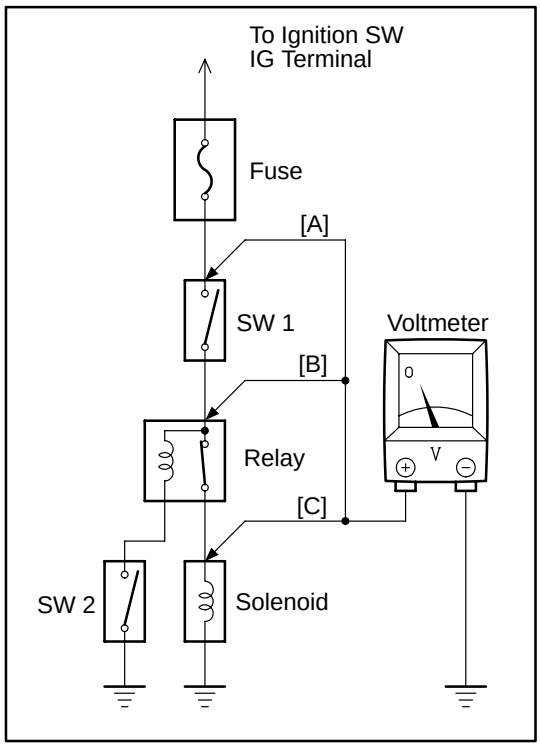
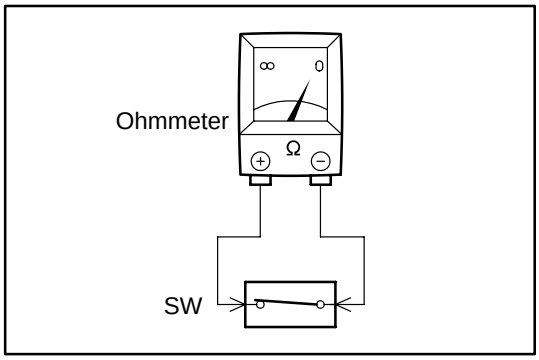


VOLTAGE CHECK

(a) Establish conditions in which voltage is present at the check point.

Example:
[A] – Ignition SW on
[B] – Ignition SW and SW 1 on
[C] – Ignition SW, SW 1 and Relay on (SW 2 off)

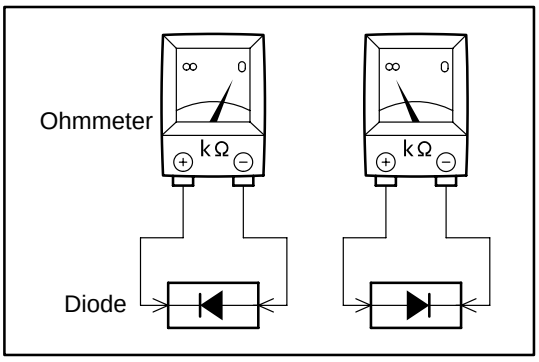
(b) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal, and the positive lead to the connector or component terminal.
This check can be done with a test light instead of a voltmeter.



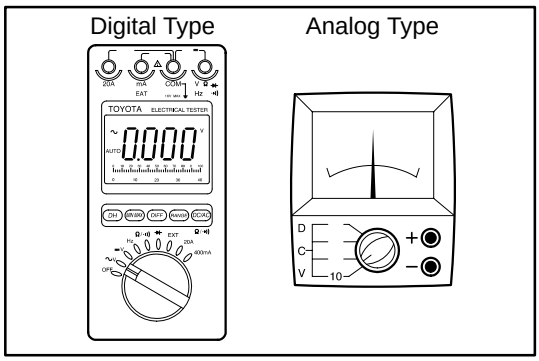
CONTINUITY AND RESISTANCE CHECK

(a) Disconnect the battery terminal or wire so there is no voltage between the check points.

(b) Contact the two leads of an ohmmeter to each of the check points.



If the circuit has diodes, reverse the two leads and check again.
When contacting the negative lead to the diode positive side and the positive lead to the negative side, there should be continuity.
When contacting the two leads in reverse, there should be no continuity.



(c) Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting of the electrical circuit.

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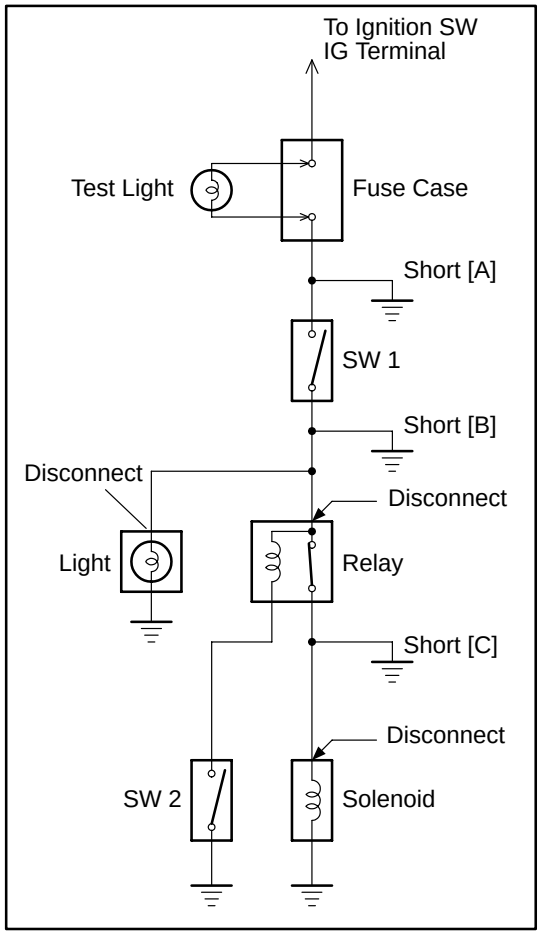


FINDING A SHORT CIRCUIT

(a) Remove the blown fuse and disconnect all loads of the fuse.

(b) Connect a test light in place of the fuse.

(c) Establish conditions in which the test light comes on.

Example:
[A] – Ignition SW on
[B] – Ignition SW and SW 1 on
[C] – Ignition SW, SW 1 and Relay on (Connect the Relay) and SW 2 off (or Disconnect SW 2)

(d) Disconnect and reconnect the connectors while watching the test light.
The short lies between the connector where the test light stays lit and the connector where the light goes out.

(e) Find the exact location of the short by lightly shaking the problem wire along the body.

CAUTION:

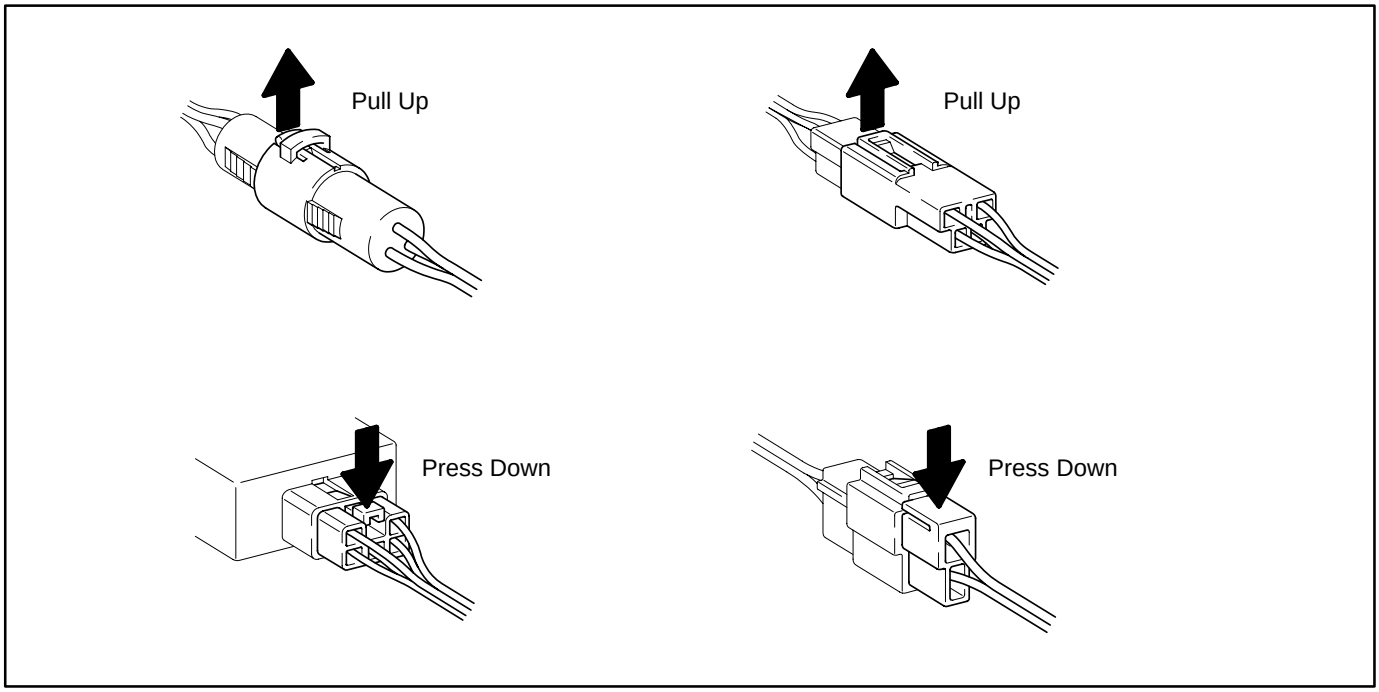
(a) Do not open the cover or the case of the ECU unless absolutely necessary. (If the IC terminals are touched, the IC may be destroyed by static electricity.)

(b) When replacing the internal mechanism (ECU part) of the digital meter, be careful that no part of your body or clothing comes in contact with the terminals of leads from the IC, etc. of the replacement part (spare part).

DISCONNECTION OF MALE AND FEMALE CONNECTORS

To pull apart the connectors, pull on the connector itself, not the wire harness.

HINT : Check to see what kind of connector you are disconnecting before pulling apart.



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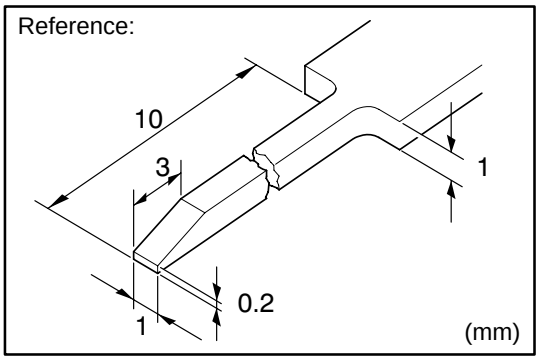
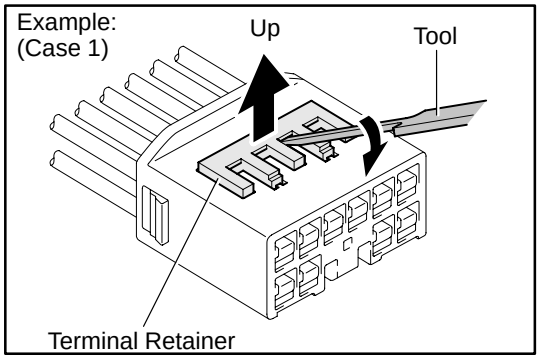


HOW TO REPLACE TERMINAL (with terminal retainer or secondary locking device)

1. PREPARE THE SPECIAL TOOL

   HINT : To remove the terminal from the connector, please construct and use the special tool or like object shown on the left.

2. DISCONNECT CONNECTOR

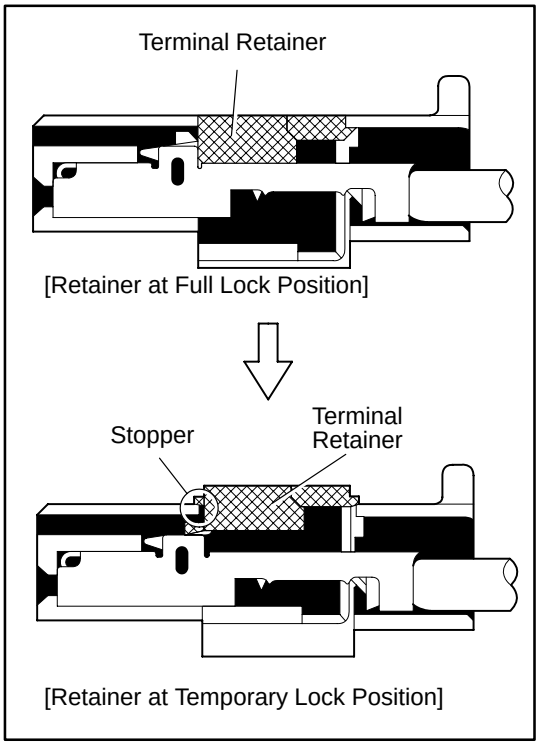


3. DISENGAGE THE SECONDARY LOCKING DEVICE OR TERMINAL RETAINER.

   (a) Locking device must be disengaged before the terminal locking clip can be released and the terminal removed from the connector.

   (b) Use a special tool or the terminal pick to unlock the secondary locking device or terminal retainer.

   NOTICE:
   Do not remove the terminal retainer from connector body.

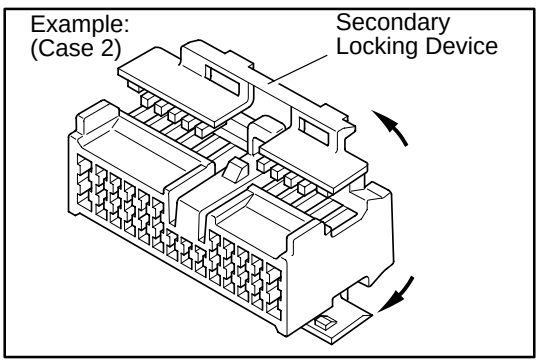


[A] For Non–Waterproof Type Connector

HINT : The needle insertion position varies according to the connector's shape (number of terminals etc.), so check the position before inserting it.

"Case 1"

Raise the terminal retainer up to the temporary lock position.



"Case 2"

Open the secondary locking device.

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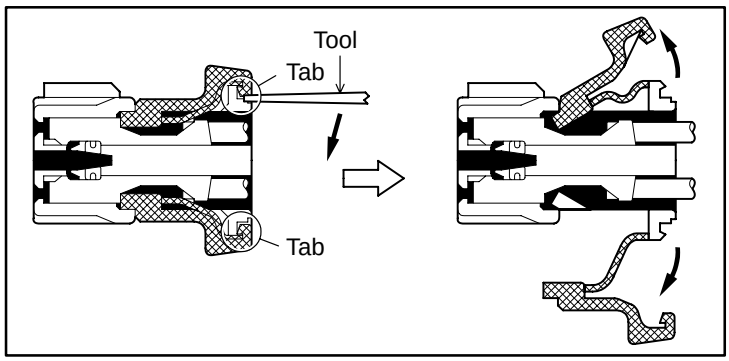
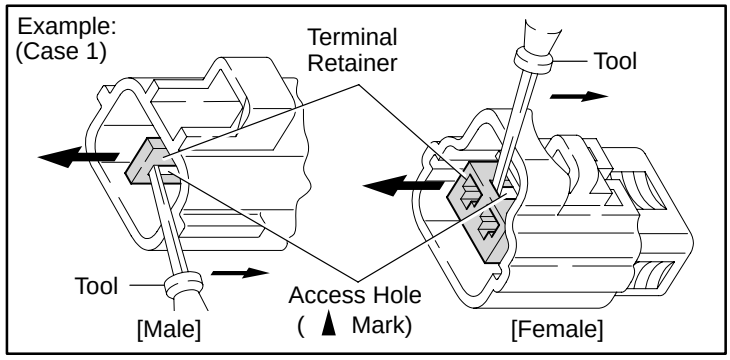


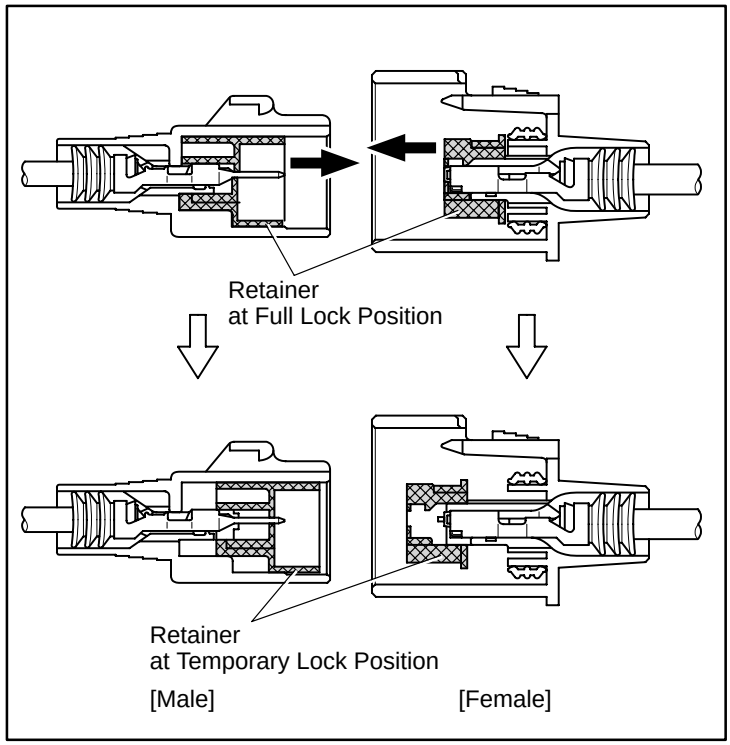


[B] For Waterproof Type Connector

HINT : Terminal retainer color is different according to connector body.

Example:

Terminal Retainer	:	Connector Body
Black or White	:	Gray
Black or White	:	Dark Gray
Gray or White	:	Black

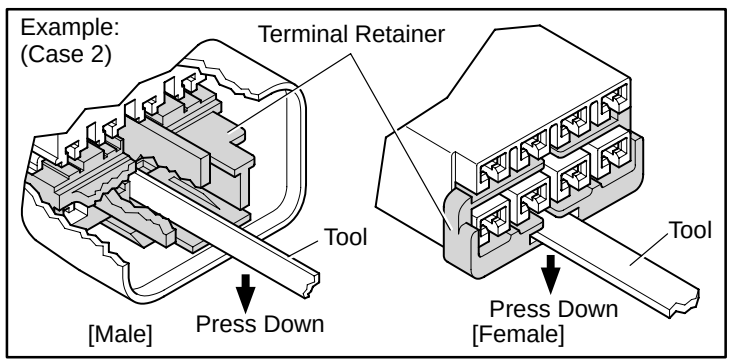


”Case 1”

Type where terminal retainer is pulled up to the temporary lock position (Pull Type).

Insert the special tool into the terminal retainer access hole (▲Mark) and pull the terminal retainer up to the temporary lock position.

HINT : The needle insertion position varies according to the connector’s shape (Number of terminals etc.), so check the position before inserting it.



”Case 2”

Type which cannot be pulled as far as Power Lock insert the tool straight into the access hole of terminal retainer as shown.

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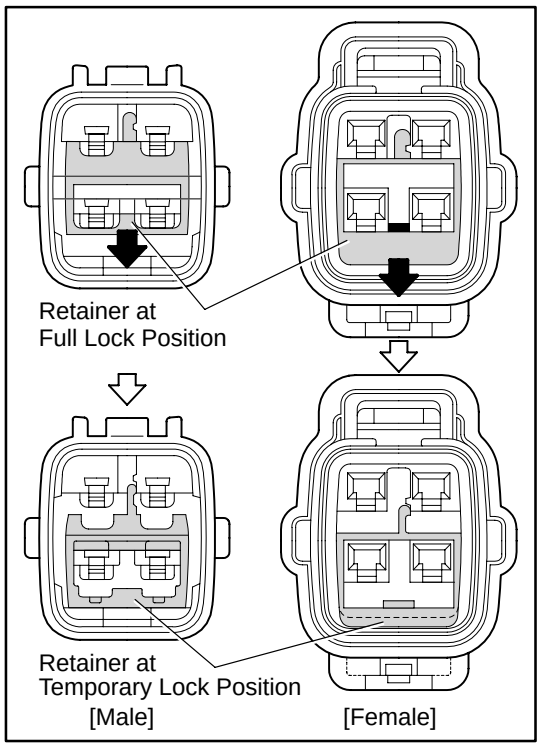
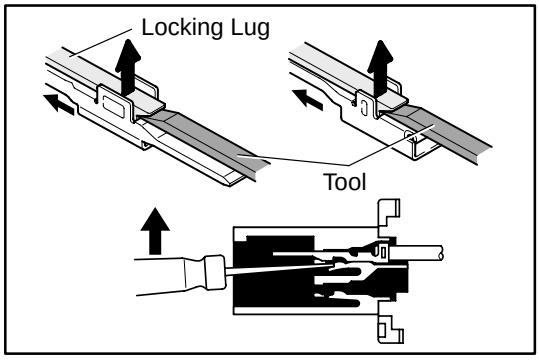
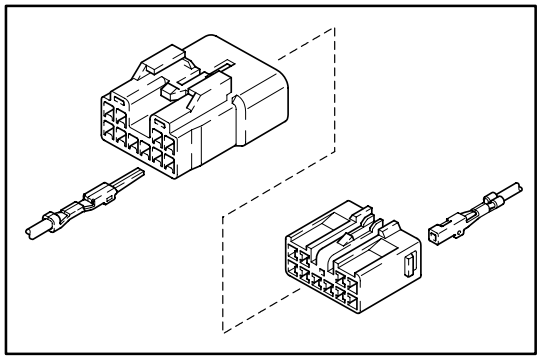


Push the terminal retainer down to the temporary lock position.



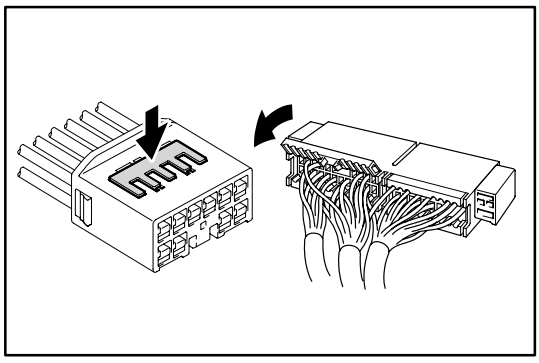
(c) Release the locking lug from terminal and pull the terminal out from rear.



4. INSTALL TERMINAL TO CONNECTOR

(a) Insert the terminal.

HINT:
1. Make sure the terminal is positioned correctly.
2. Insert the terminal until the locking lug locks firmly.
3. Insert the terminal with terminal retainer in the temporary lock position.



(b) Push the secondary locking device or terminal retainer in to the full lock position.

5. CONNECT CONNECTOR

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ABBREVIATIONS

The following abbreviations are used in this manual.

A/C	=	Air Conditioner
A/T	=	Automatic Transaxle
ABS	=	Anti–Lock Brake System
CIS	=	Commonwealth of Independent States
DLC3	=	Data Link Connector 3
EC	=	Electrochromic
ECT	=	Electronic Control Transmission
ECU	=	Electronic Control Unit
EFI	=	Electronic Fuel Injection
EGR	=	Exhaust Gas Recirculation
EPS	=	Electric Power Steering
ESA	=	Electronic Spark Advance
EVAP	=	Evaporative Emission
HID	=	High Intensity Discharge
INT	=	Intermittent
ISC	=	Idle Speed Control
J/B	=	Junction Block
L/B	=	Liftback Type
LH	=	Left–Hand
LHD	=	Left–Hand Drive
M/T	=	Manual Transaxle
PTC	=	Positive Temperature Coefficient
R/B	=	Relay Block
RH	=	Right–Hand
RHD	=	Right–Hand Drive
S/D	=	Sedan Type
SRS	=	Supplemental Restraint System
SW	=	Switch
TEMP.	=	Temperature
TRC	=	Traction Control
VRV	=	Vacuum Regulating Valve
VSC	=	Vehicle Stability Control
VSV	=	Vacuum Switching Valve
VVT	=	Variable Valve Timing
VVT–i	=	Variable Valve Timing–intelligent
W/G	=	Wagon Type
w/	=	With
w/o	=	Without

* The titles given inside the components are the names of the terminals (terminal codes) and are not treated as being abbreviations.

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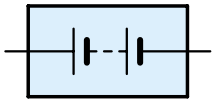
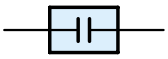
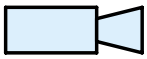
E GLOSSARY OF TERMS AND SYMBOLS



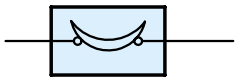
BATTERY
Stores chemical energy and converts it into electrical energy. Provides DC current for the auto's various electrical circuits.



CAPACITOR (Condenser)
A small holding unit for temporary storage of electrical voltage.



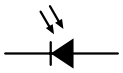
CIGARETTE LIGHTER
An electric resistance heating element.



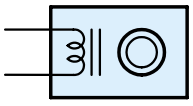
CIRCUIT BREAKER
Basically a reusable fuse, a circuit breaker will heat and open if too much current flows through it. Some units automatically reset when cool, others must be manually reset.

DIODE
A semiconductor which allows current flow in only one direction.

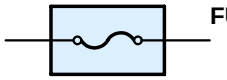
DIODE, ZENER
A diode which allows current flow in one direction but blocks reverse flow only up to a specific voltage. Above that potential, it passes the excess voltage. This acts as a simple voltage regulator.



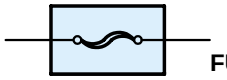
PHOTODIODE
The photodiode is a semiconductor which controls the current flow according to the amount of light.



DISTRIBUTOR, IIA
Channels high–voltage current from the ignition coil to the individual spark plugs.

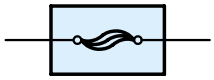


FUSE
A thin metal strip which burns through when too much current flows through it, thereby stopping current flow and protecting a circuit from damage.



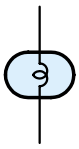
(for Medium Current Fuse)

FUSIBLE LINK
A heavy–gauge wire placed in high amperage circuits which burns through on overloads, thereby protecting the circuit. The numbers indicate the crosssection surface area of the wires.



(for High Current Fuse or Fusible Link)

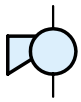
GROUND
The point at which wiring attaches to the Body, thereby providing a return path for an electrical circuit; without a ground, current cannot flow.



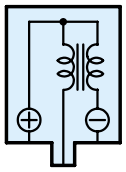
1. SINGLE FILAMENT

2. DOUBLE FILAMENT

HEADLIGHTS
Current flow causes a headlight filament to heat up and emit light. A headlight may have either a single (1) filament or a double (2) filament



HORN
An electric device which sounds a loud audible signal.

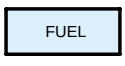


IGNITION COIL
Converts low–voltage DC current into high–voltage ignition current for firing the spark plugs.

LIGHT
Current flow through a filament causes the filament to heat up and emit light.

LED (LIGHT EMITTING DIODE)
Upon current flow, these diodes emit light without producing the heat of a comparable light.

METER, ANALOG
Current flow activates a magnetic coil which causes a needle to move, thereby providing a relative display against a background calibration.



METER, DIGITAL
Current flow activates one or many LED's, LCD's, or fluorescent displays, which provide a relative or digital display.

MOTOR
A power unit which converts electrical energy into mechanical energy, especially rotary motion.

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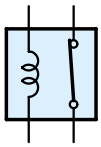
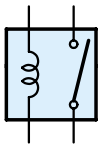
RELAY

Basically, an electrically operated switch which may be normally closed (1) or open (2). Current flow through a small coil creates a magnetic field which either opens or closes an attached switch.



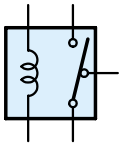
1. NORMALLY CLOSED



2. NORMALLY OPEN

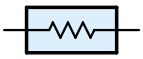
RELAY, DOUBLE THROW

A relay which passes current through one set of contacts or the other.



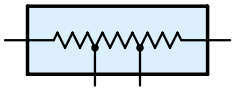
RESISTOR

An electrical component with a fixed resistance, placed in a circuit to reduce voltage to a specific value.



RESISTOR, TAPPED

A resistor which supplies two or more different non adjustable resistance values.

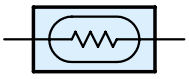


RESISTOR, VARIABLE or RHEOSTAT

A controllable resistor with a variable rate of resistance.
Also called a potentiometer or rheostat.

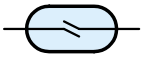
SENSOR (Thermistor)

A resistor which varies its resistance with temperature.



SENSOR, SPEED

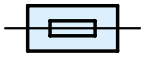
Uses magnetic impulses to open and close a switch to create a signal for activation of other components.



(Reed Switch Type)

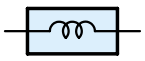
SHORT PIN

Used to provide an unbroken connection within a junction block.



SOLENOID

An electromagnetic coil which forms a magnetic field when current flows, to move a plunger, etc.

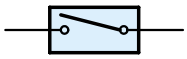


SPEAKER

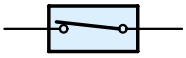
An electromechanical device which creates sound waves from current flow.

SWITCH, MANUAL

Opens and closes circuits, thereby stopping (1) or allowing (2) current flow.



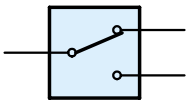
1. NORMALLY OPEN



2. NORMALLY CLOSED

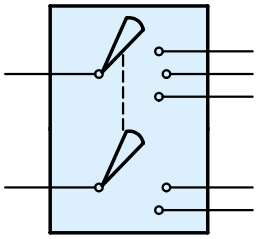
SWITCH, DOUBLE THROW

A switch which continuously passes current through one set of contacts or the other.



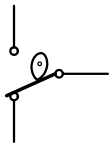
SWITCH, IGNITION

A key operated switch with several positions which allows various circuits, particularly the primary ignition circuit, to become operational.



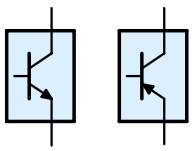
SWITCH, WIPER PARK

Automatically returns wipers to the stop position when the wiper switch is turned off.

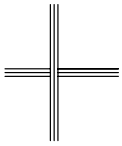


TRANSISTOR

A solidstate device typically used as an electronic relay; stops or passes current depending on the voltage applied at ”base”.

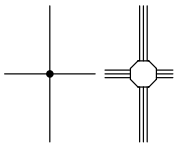


WIRES



(1) NOT CONNECTED

Wires are always drawn as straight lines on wiring diagrams.
Crossed wires (1) without a black dot at the junction are not joined;
crossed wires (2) with a black dot or octagonal (⬡) mark at the junction are spliced (joined) connections.



(2) SPLICED

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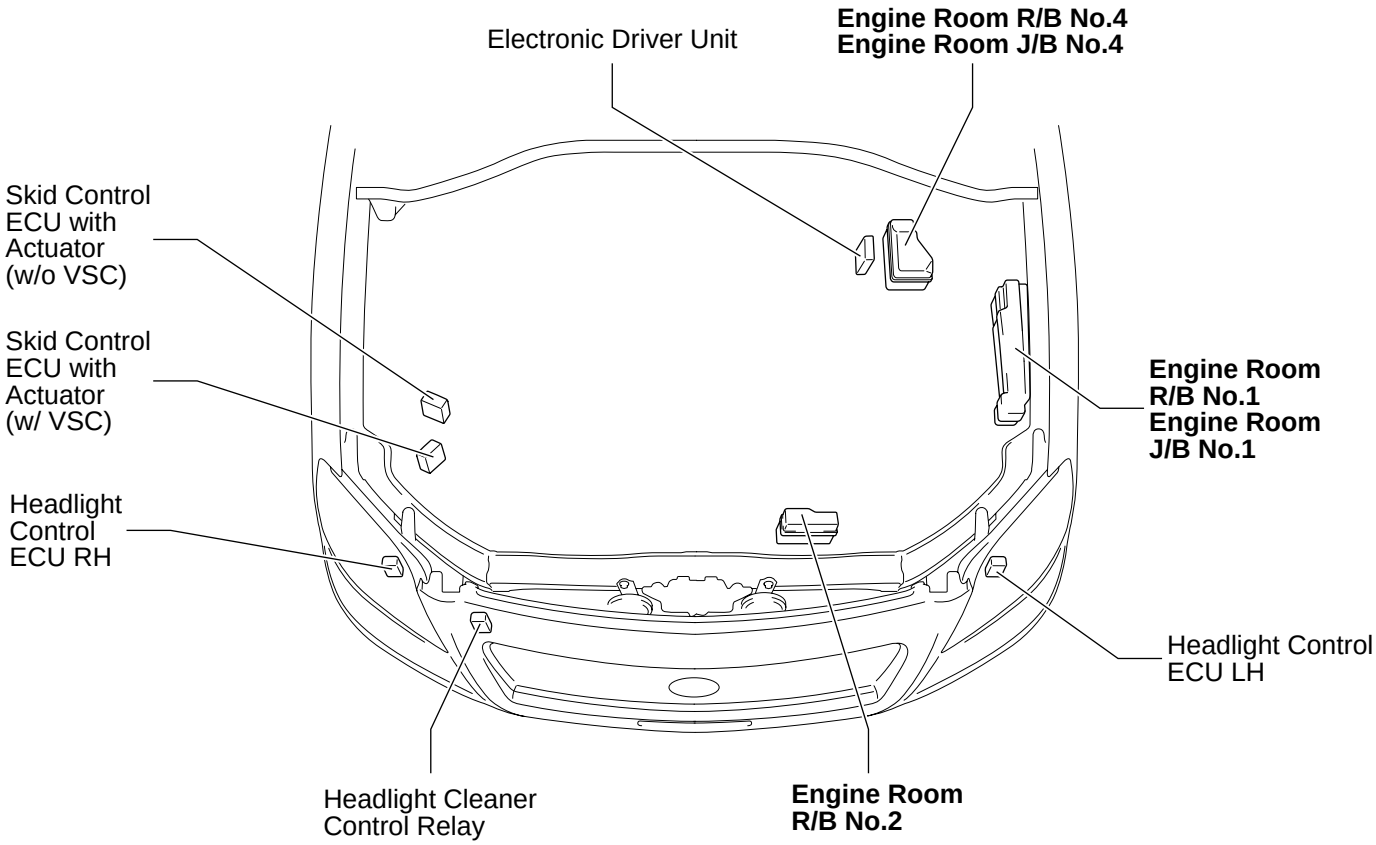
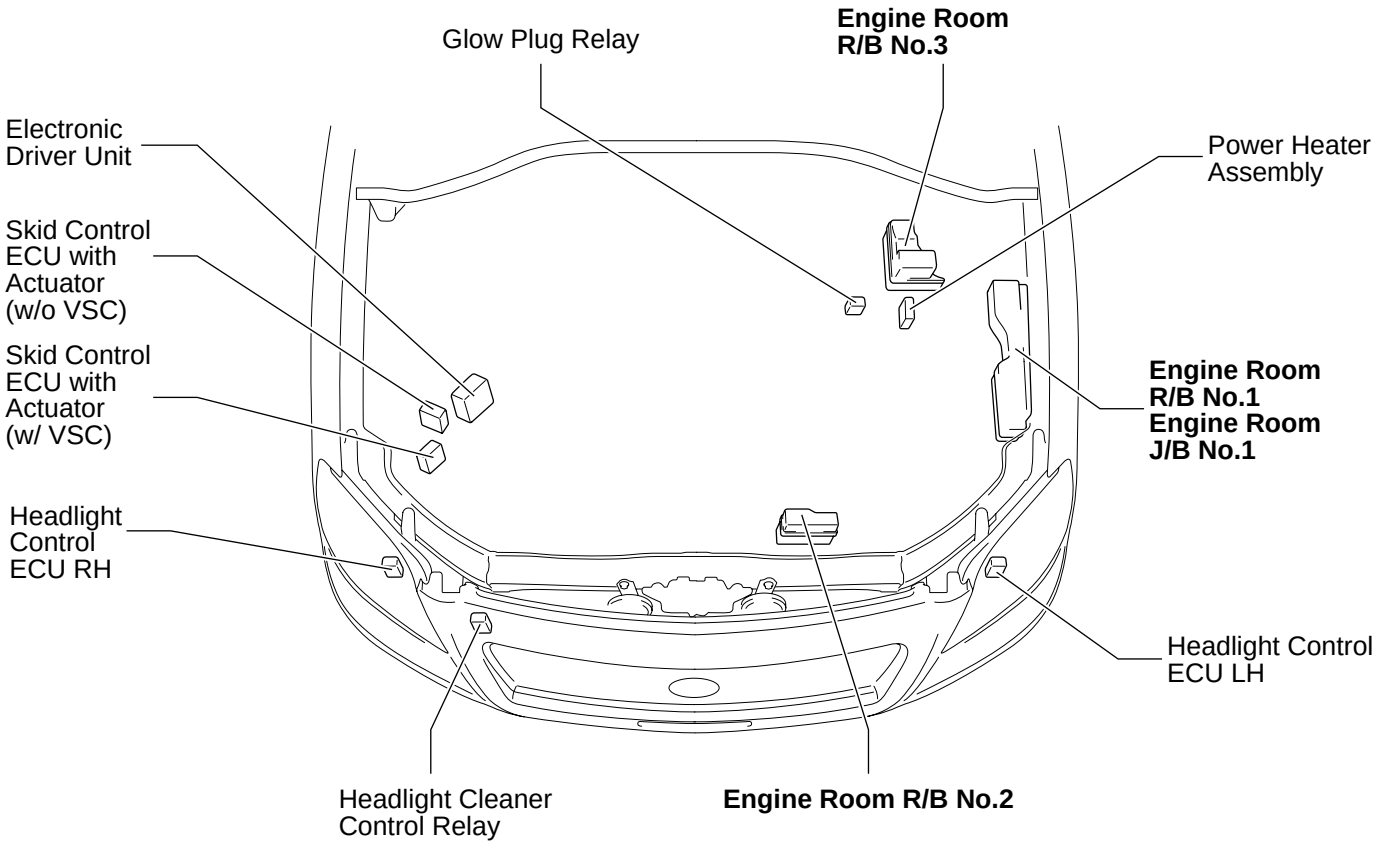
[Engine Compartment]
(Gasoline)



(1CD–FTV)



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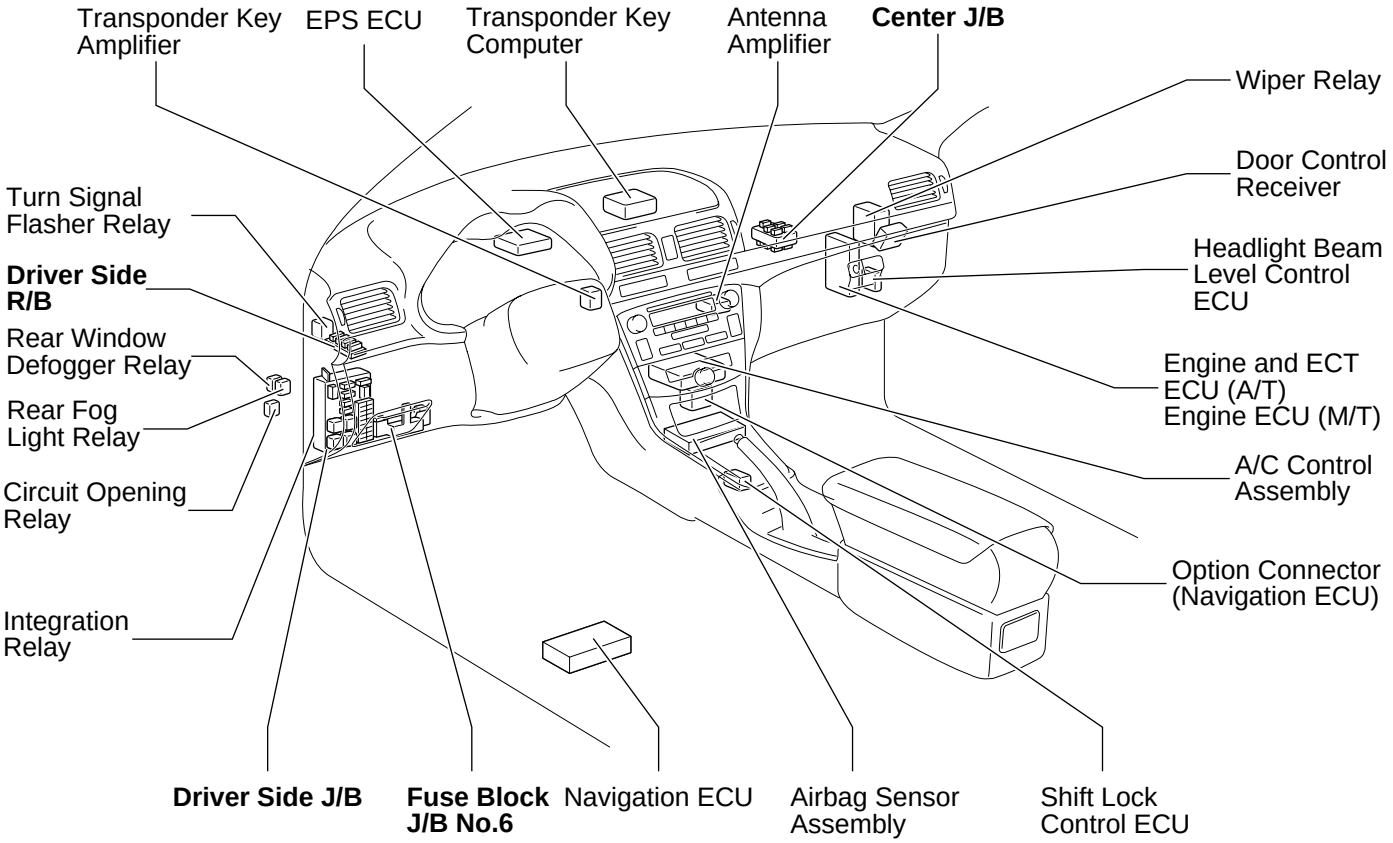
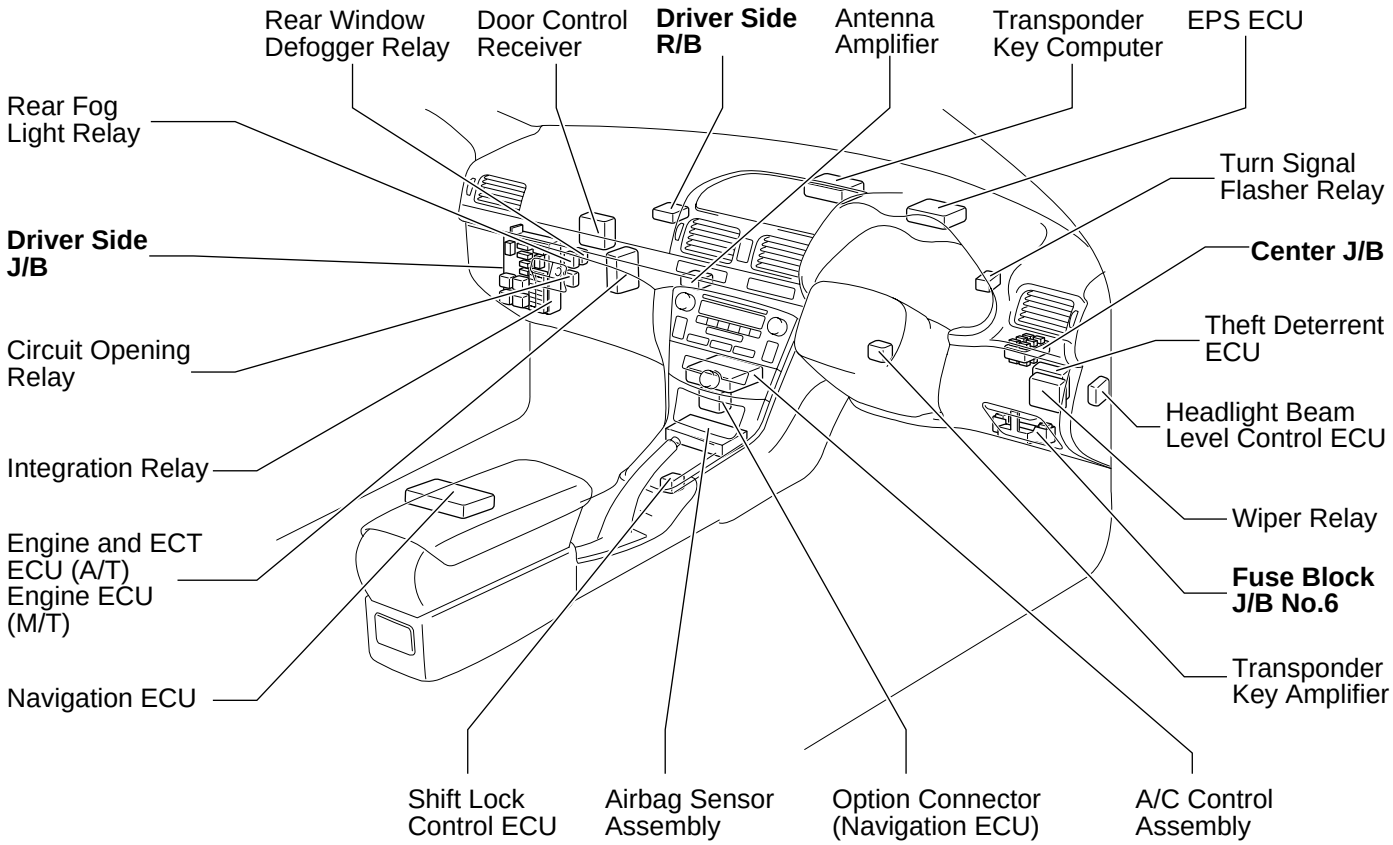
[Instrument Panel]
(LHD)



(RHD)



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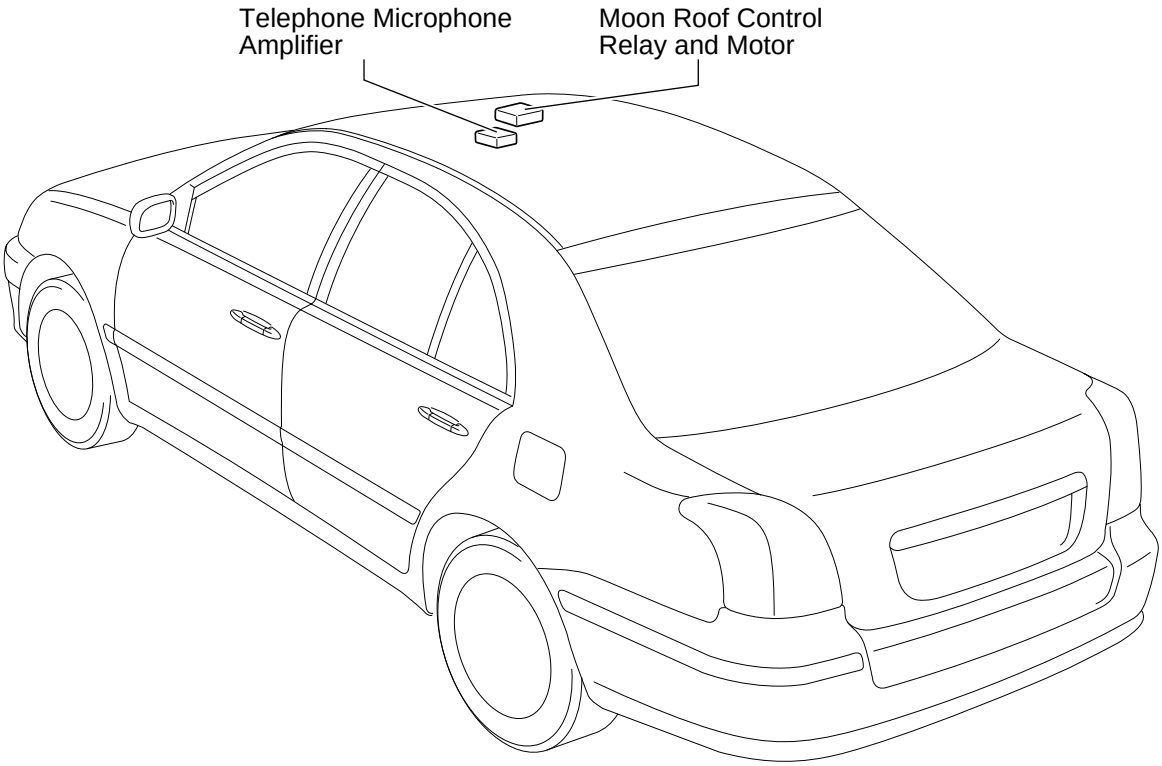
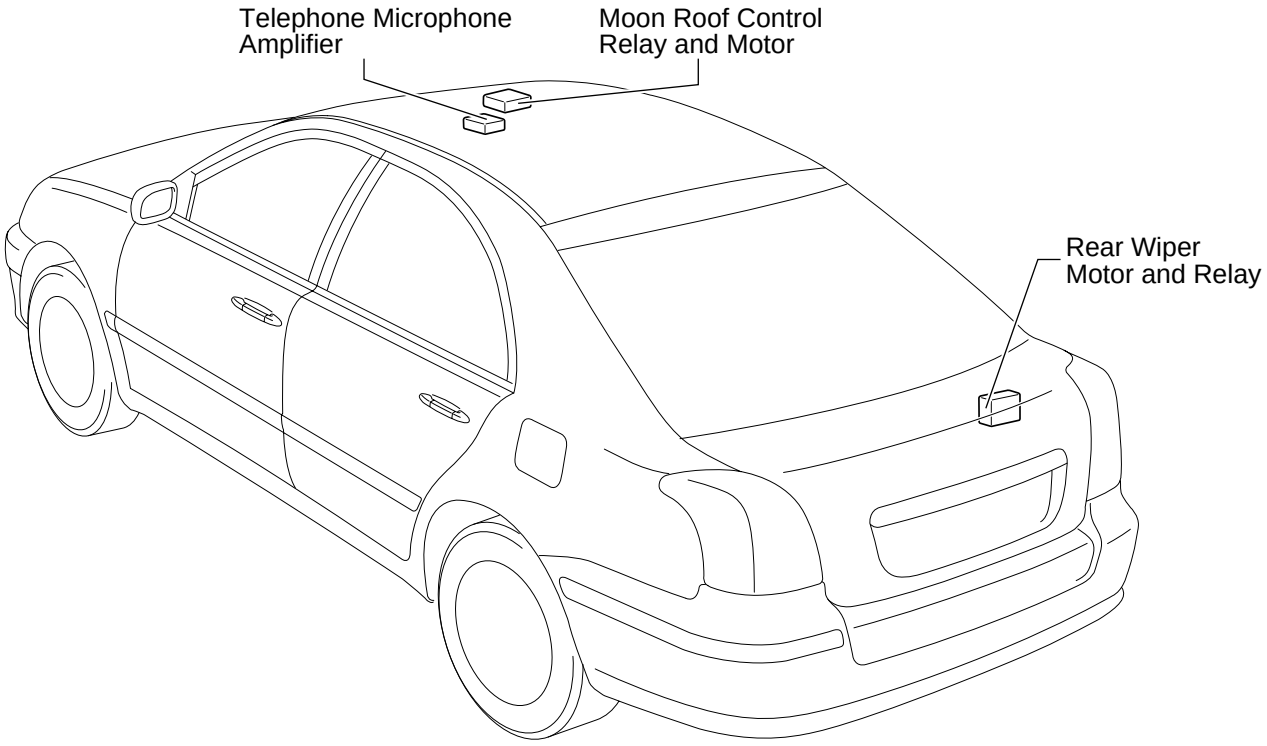
F RELAY LOCATIONS

[Body]
(S/D)



(L/B)



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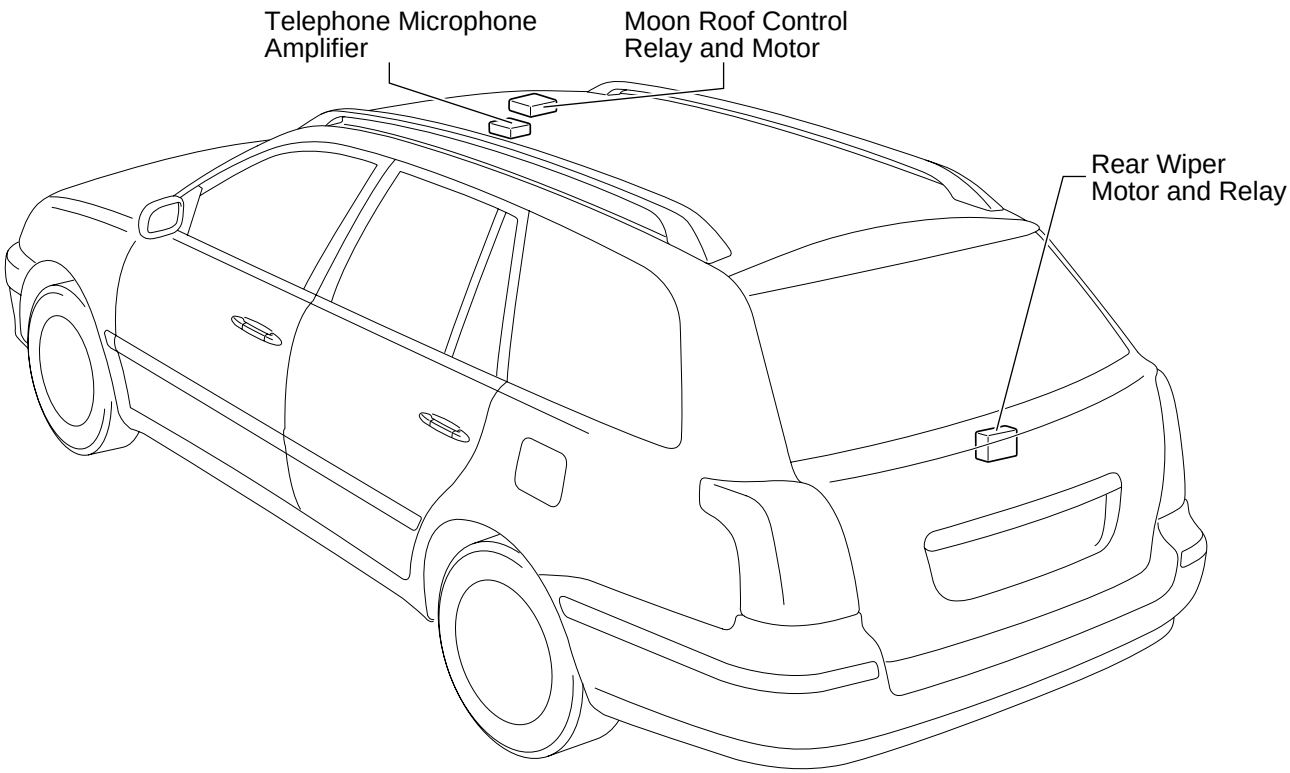
(W/G)

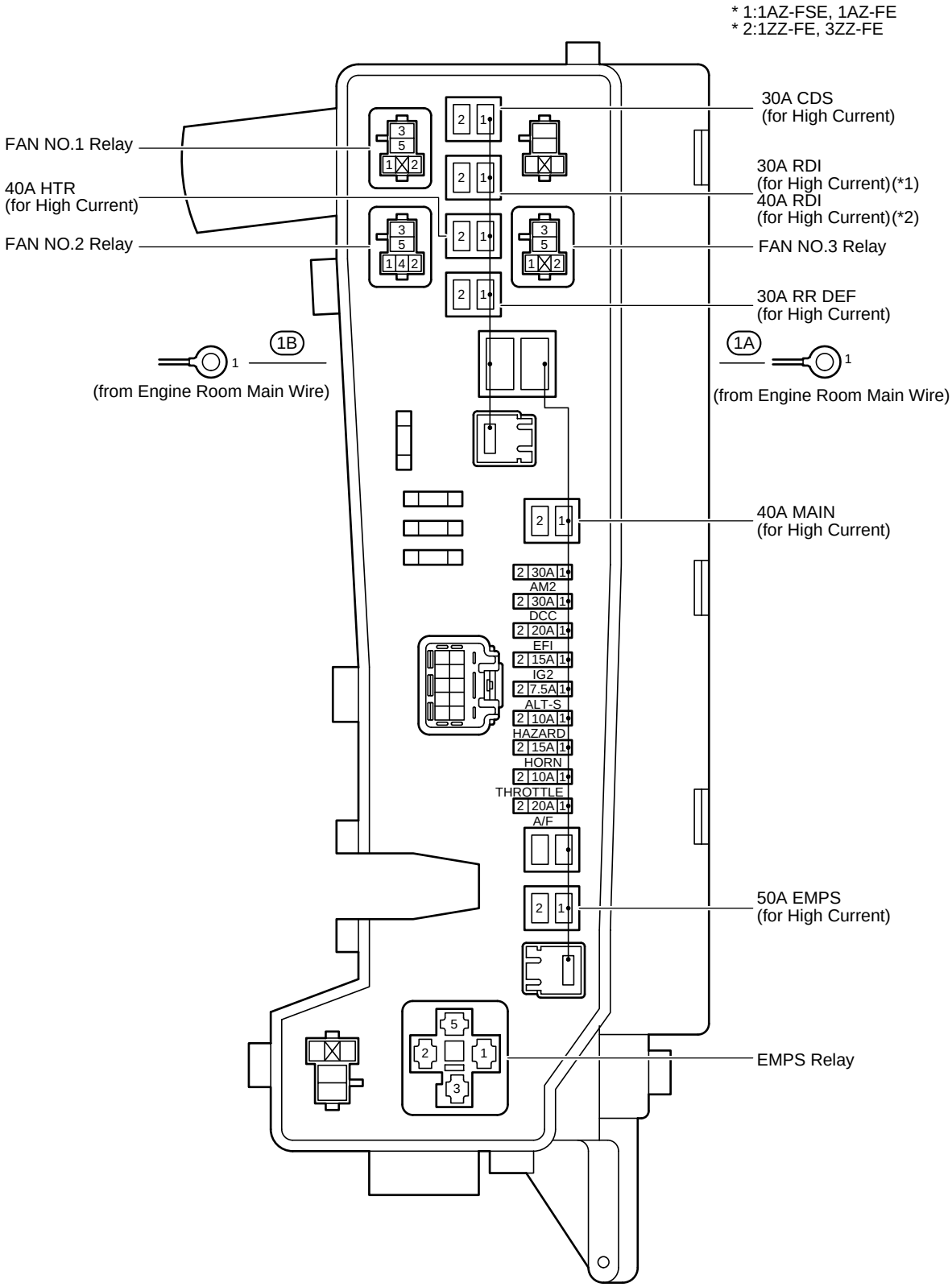


http://vnx.su

F RELAY LOCATIONS

① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 20)

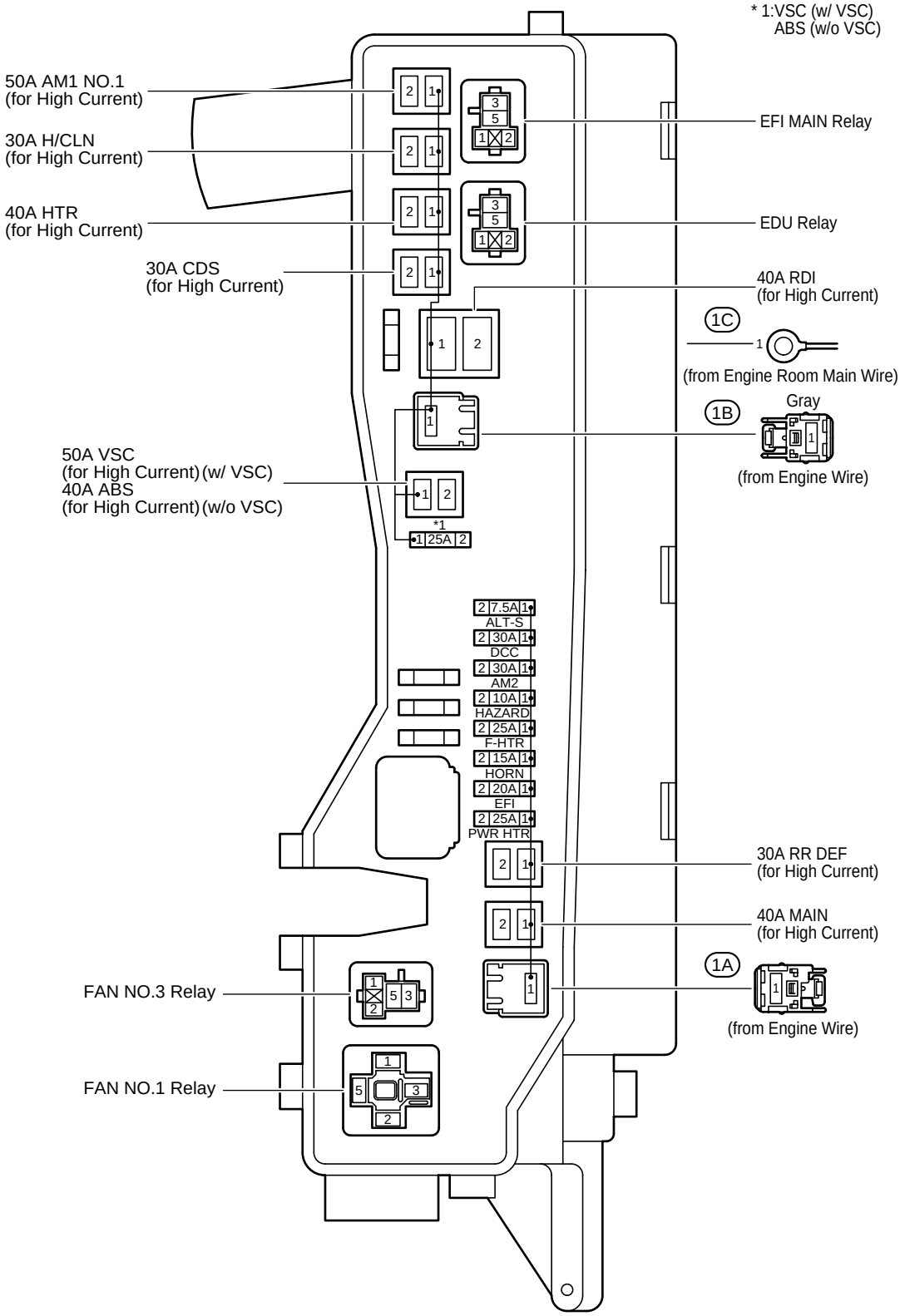
(Gasoline)



http://vnx.su

① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 20)

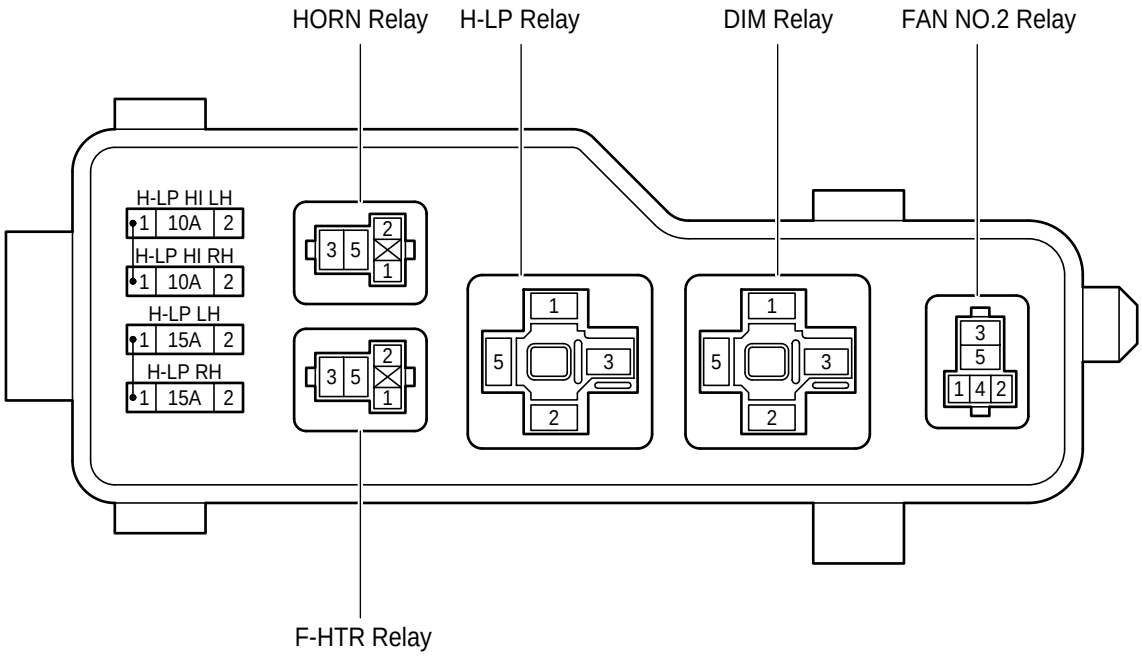
(1CD–FTV)



http://vnx.su

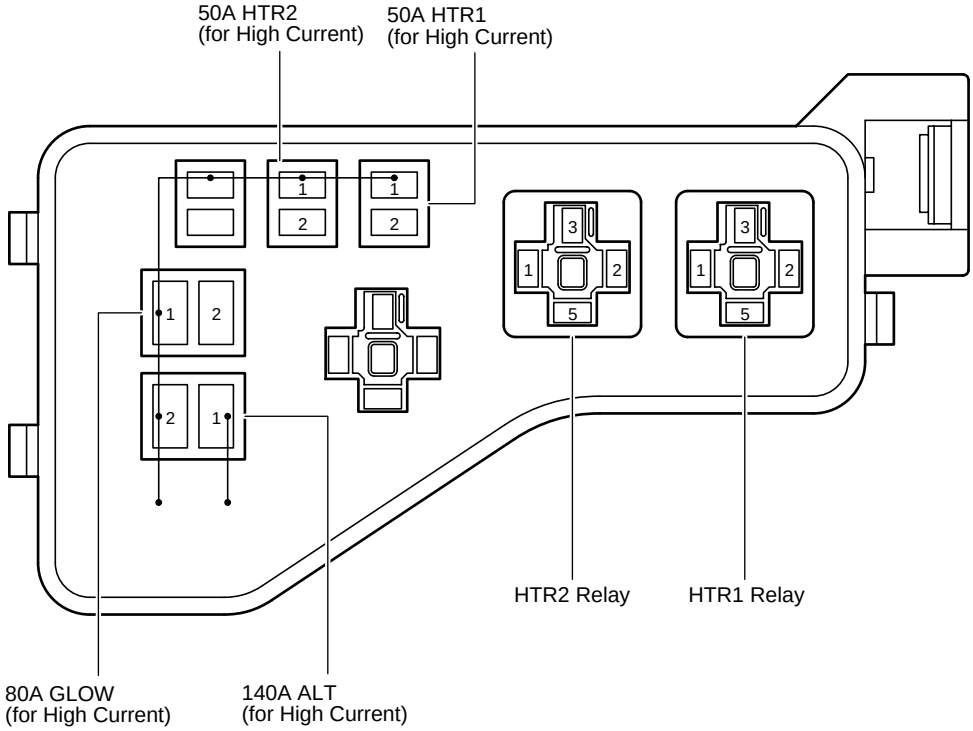
F RELAY LOCATIONS

② : Engine Room R/B No.2	Near the Radiator Fan (See Page 20)



③ : Engine Room R/B No.3	Left Side of the Suspension Tower (See Page 20)

(1CD–FTV)



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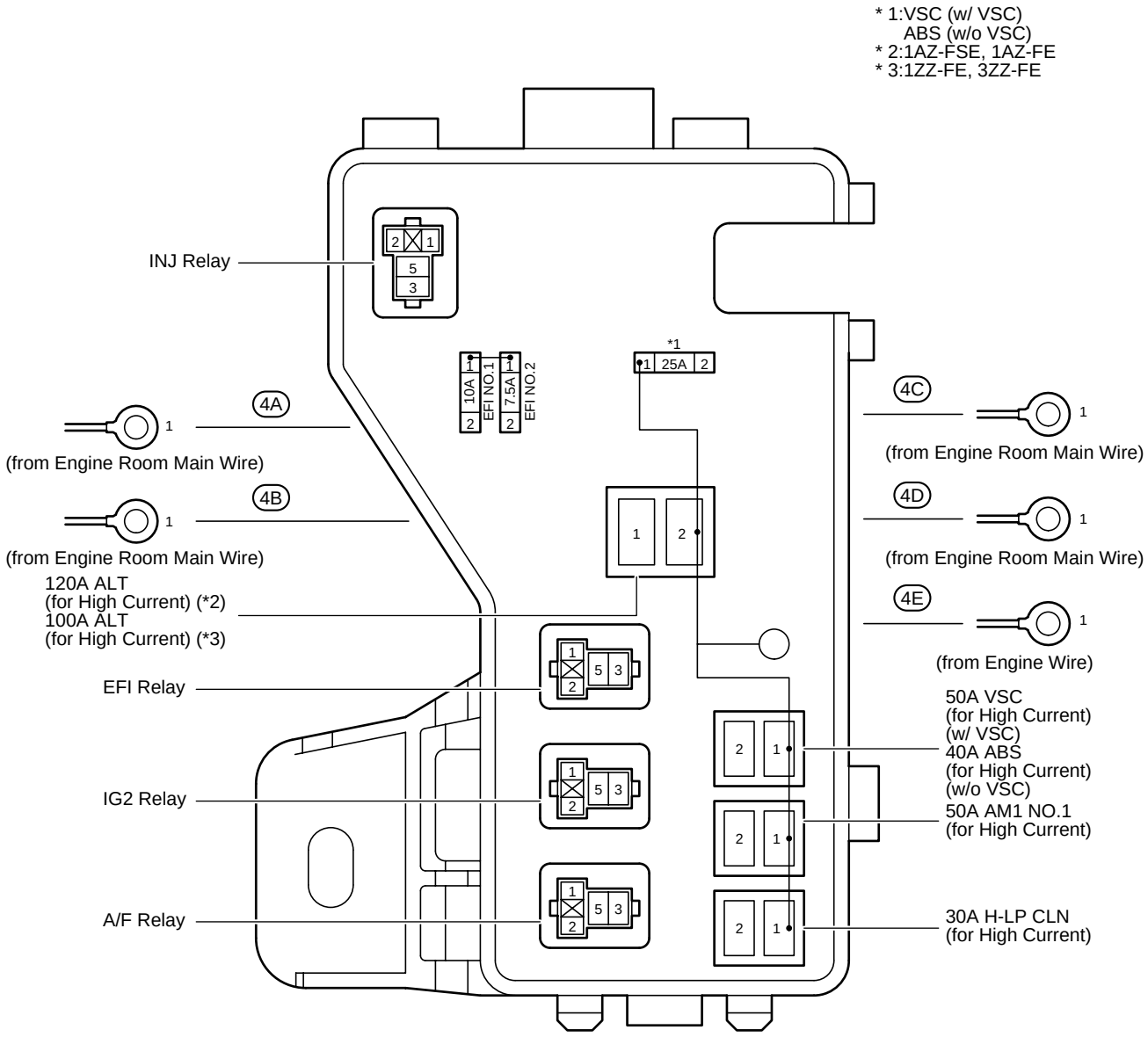
④ : Engine Room R/B No.4 ⬭ : Engine Room J/B No.4	Left Side of the Suspension Tower (See Page 20)

(Gasoline)



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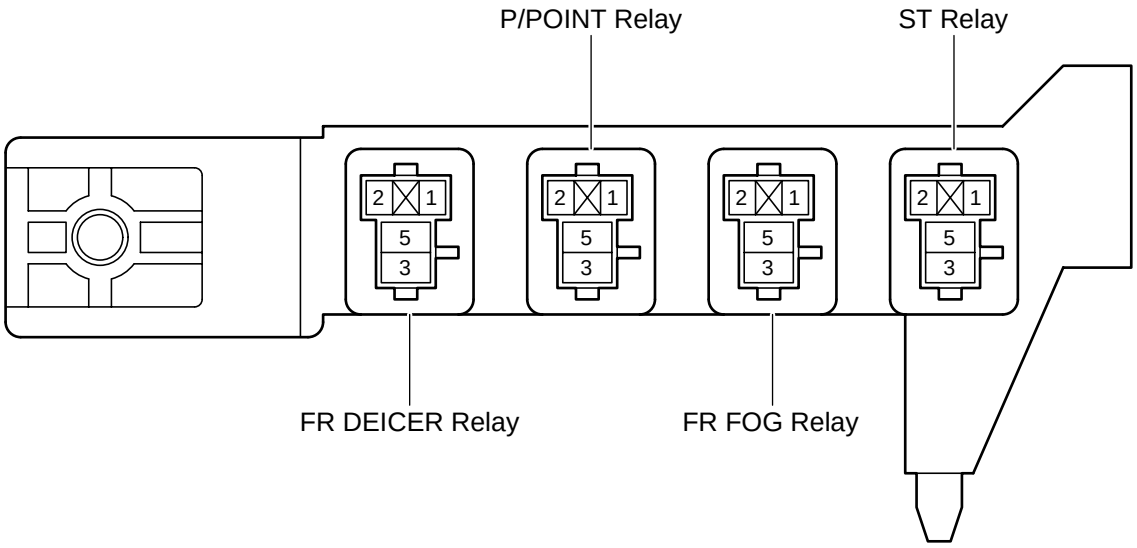
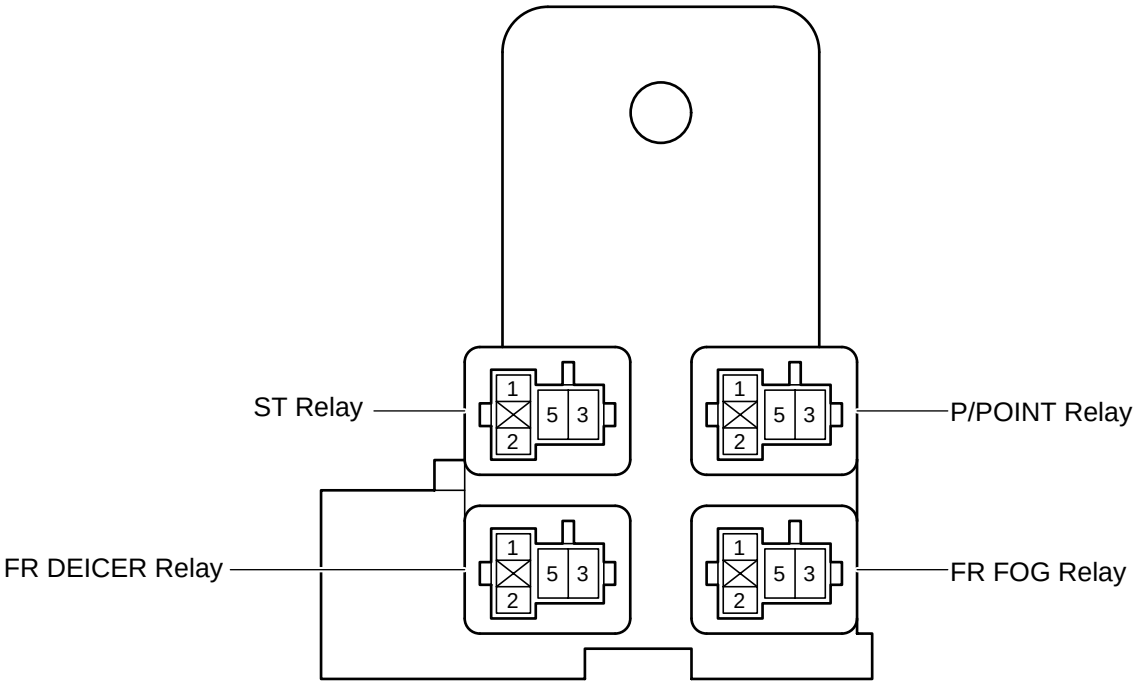
F RELAY LOCATIONS

⑤ : Driver Side R/B	LHD : Left Side of the Instrument Panel (See Page 21)
	RHD : Instrument Panel Reinforcement LH (See Page 21)

(LHD)



(RHD)



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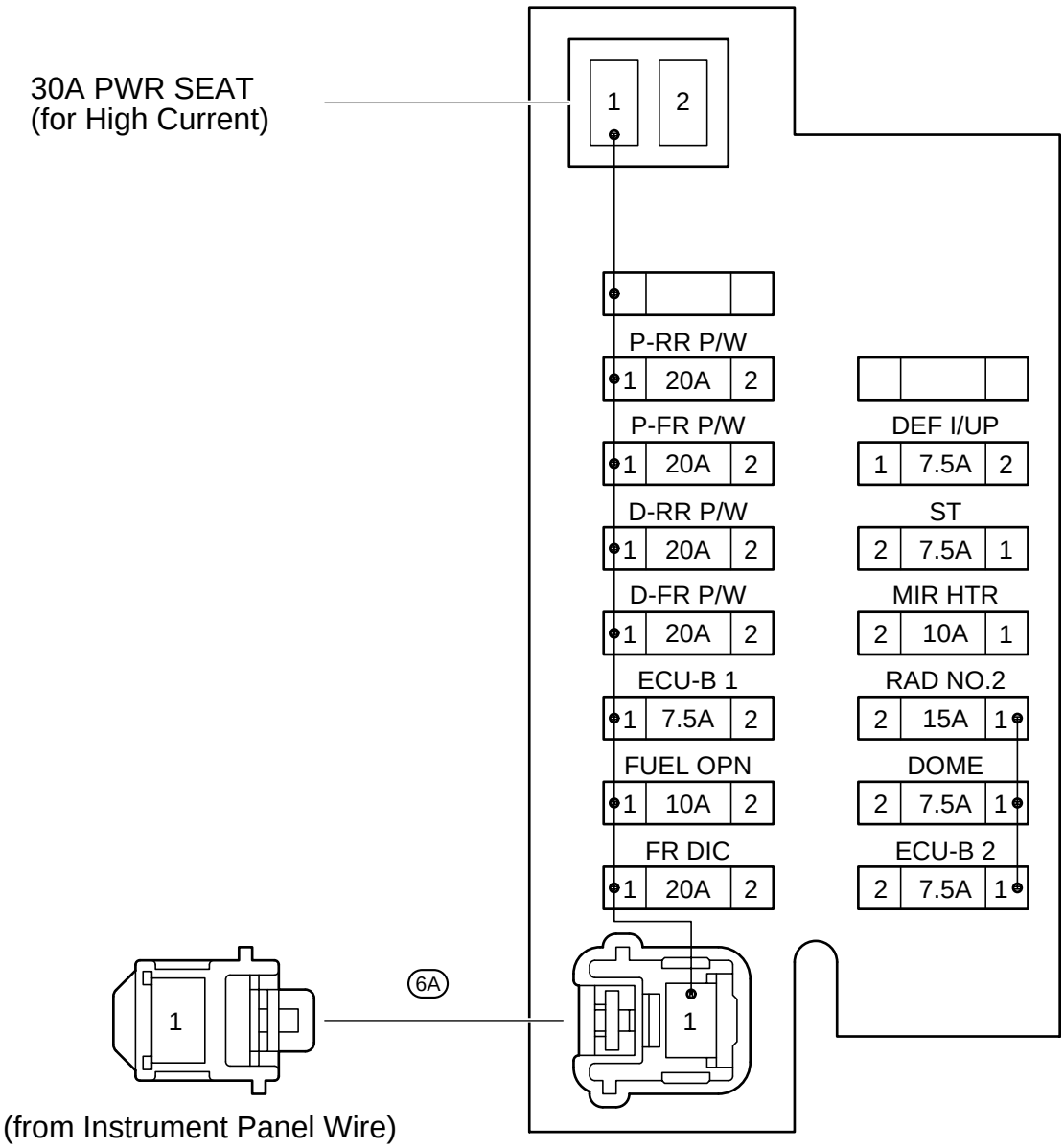
⑥ : Fuse Block ⬭ : J/B No.6	Lower Finish Panel (See Page 21)



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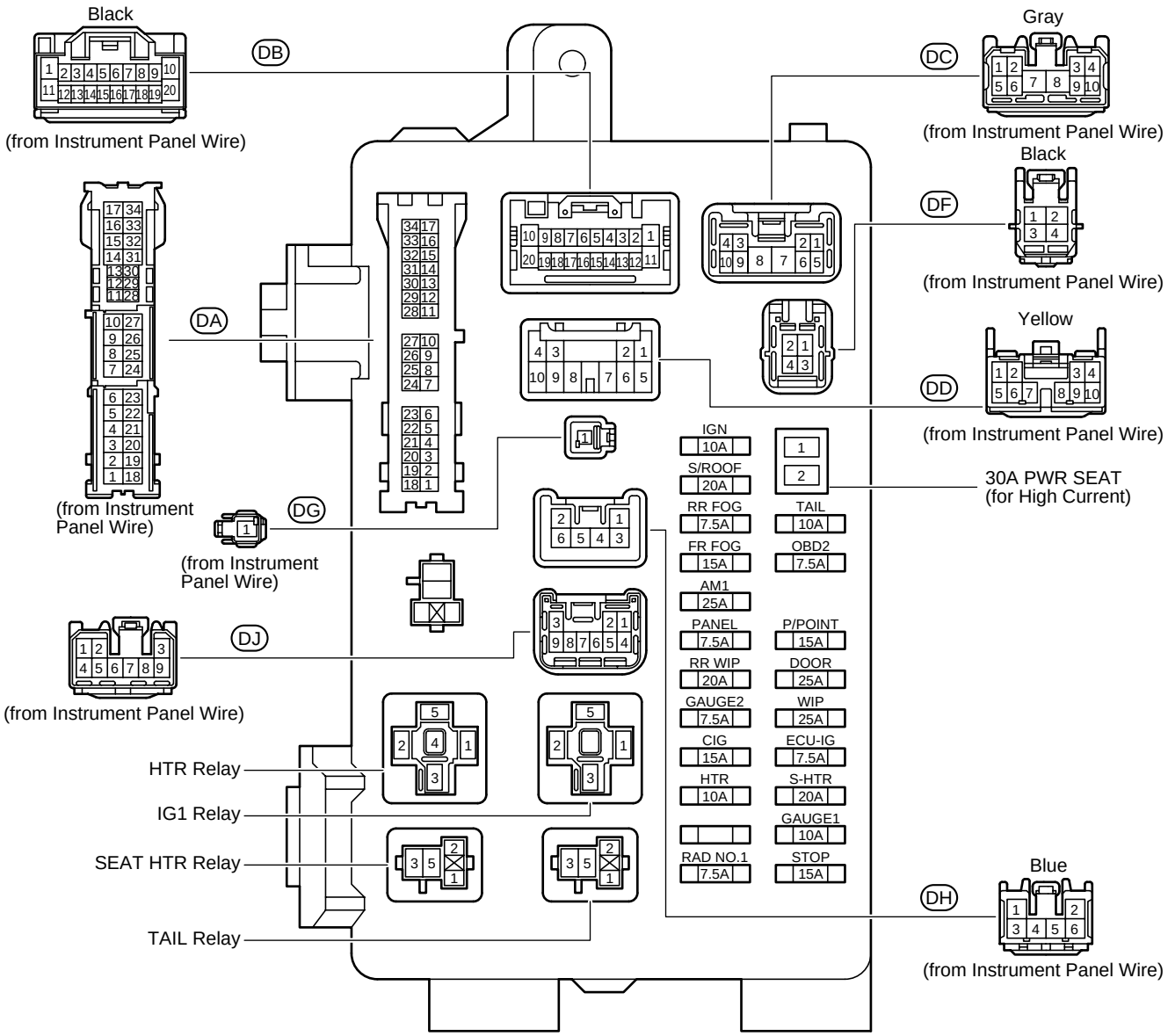
F RELAY LOCATIONS

: Driver Side J/B	Left Side of the Instrument Panel (See Page 21)



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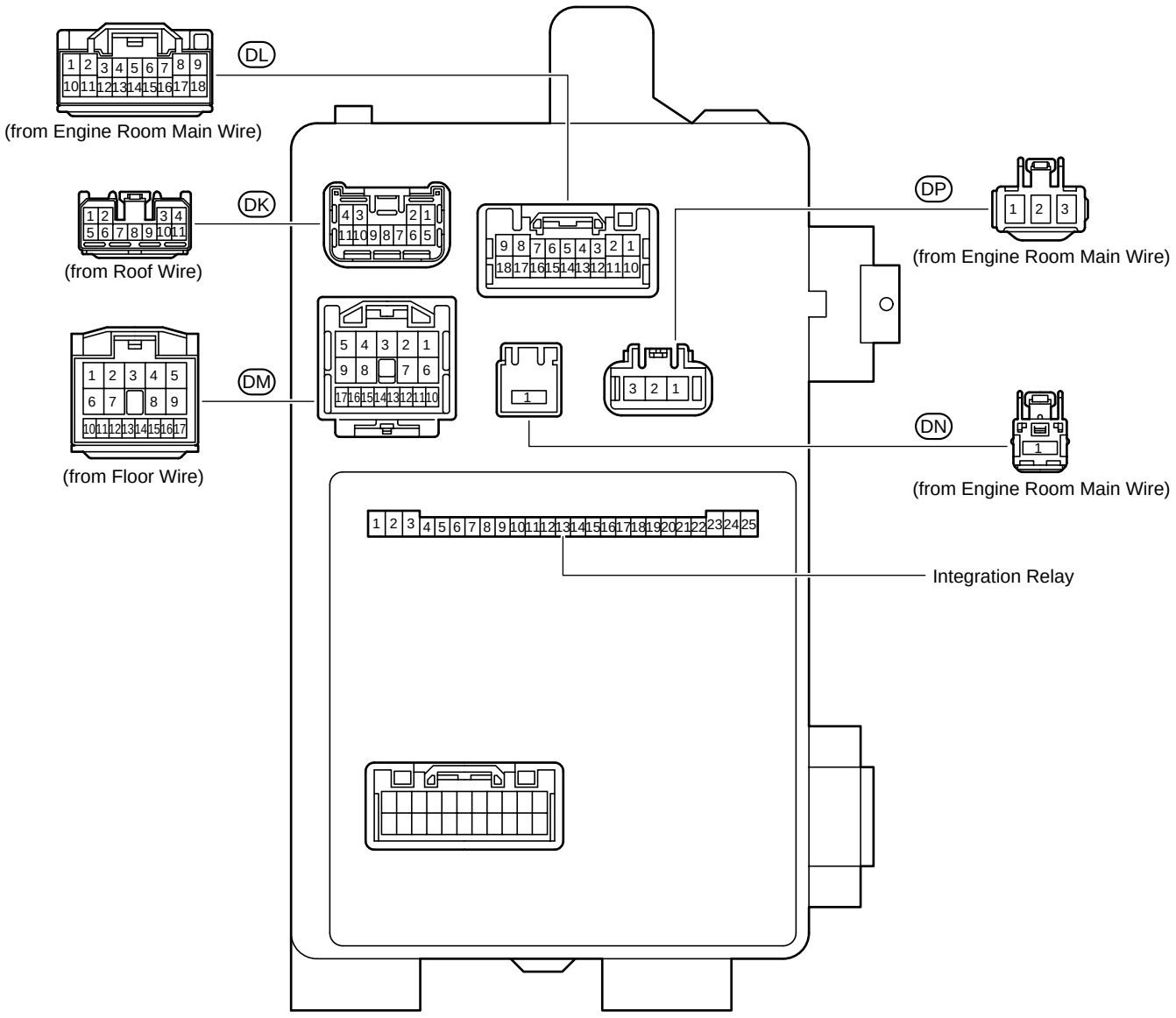
DL
(from Engine Room Main Wire)
DK
(from Roof Wire)
DM
(from Floor Wire)
DP
(from Engine Room Main Wire)
DN
(from Engine Room Main Wire)
Integration Relay

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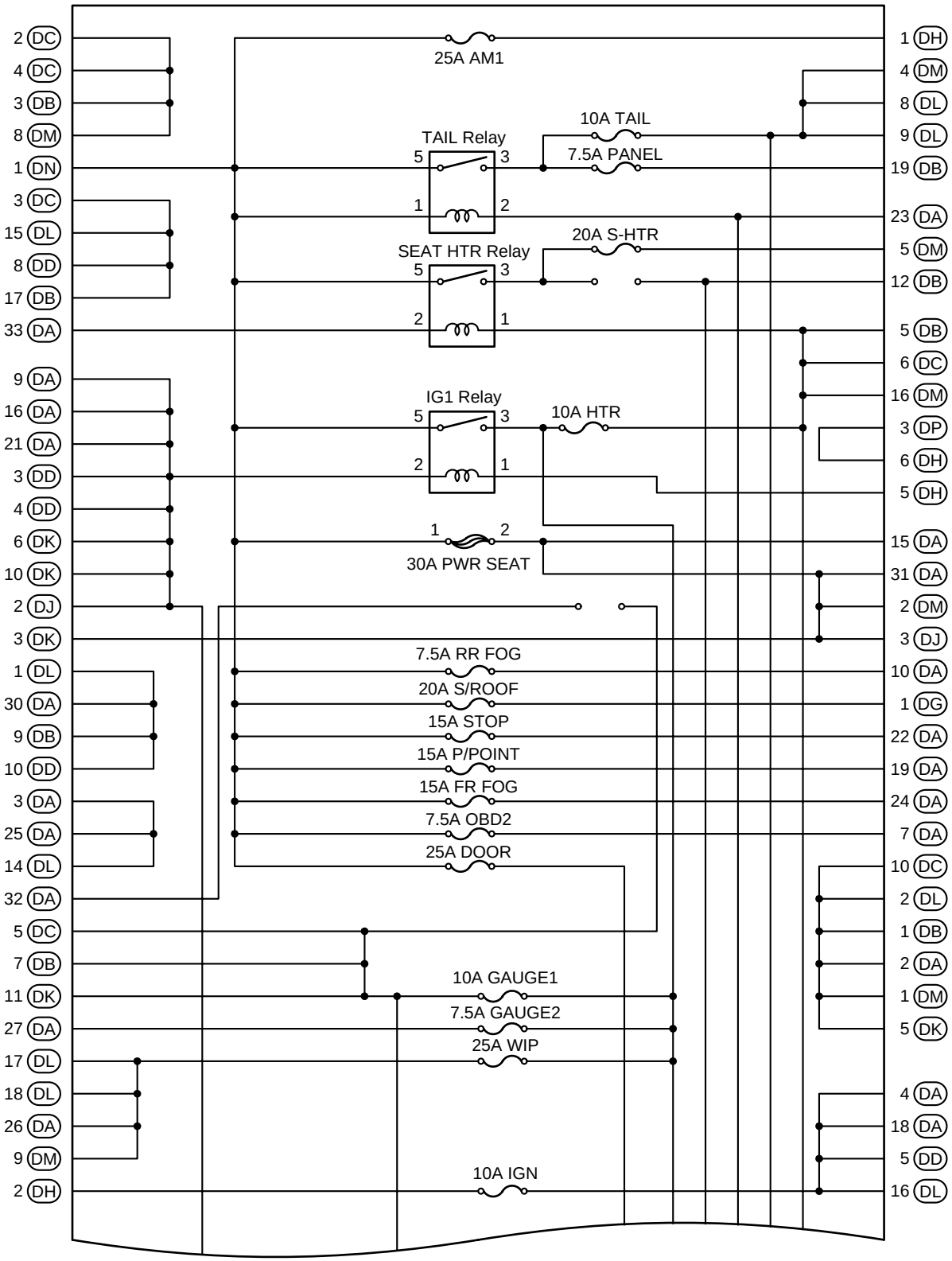
[Driver Side J/B Inner Circuit]



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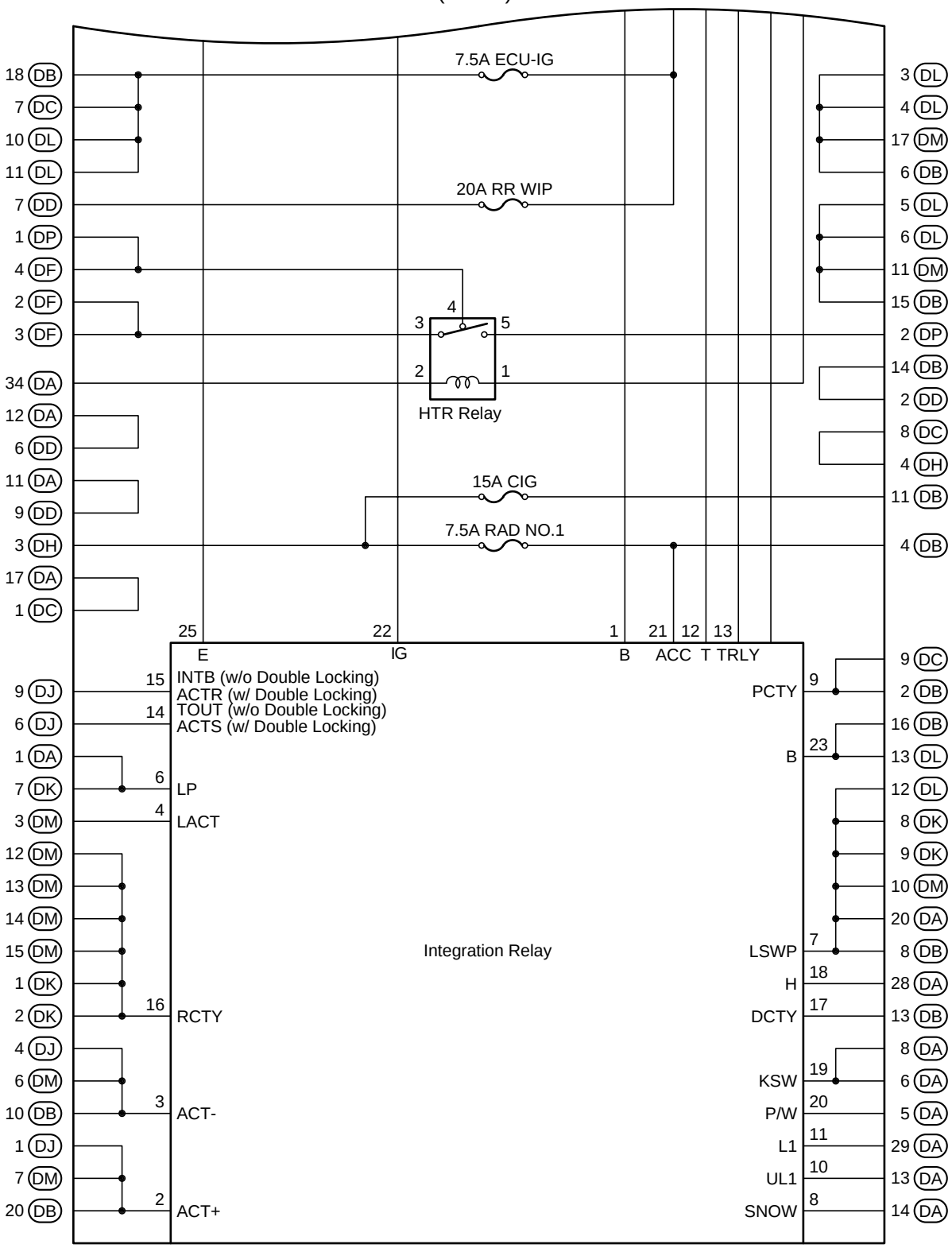

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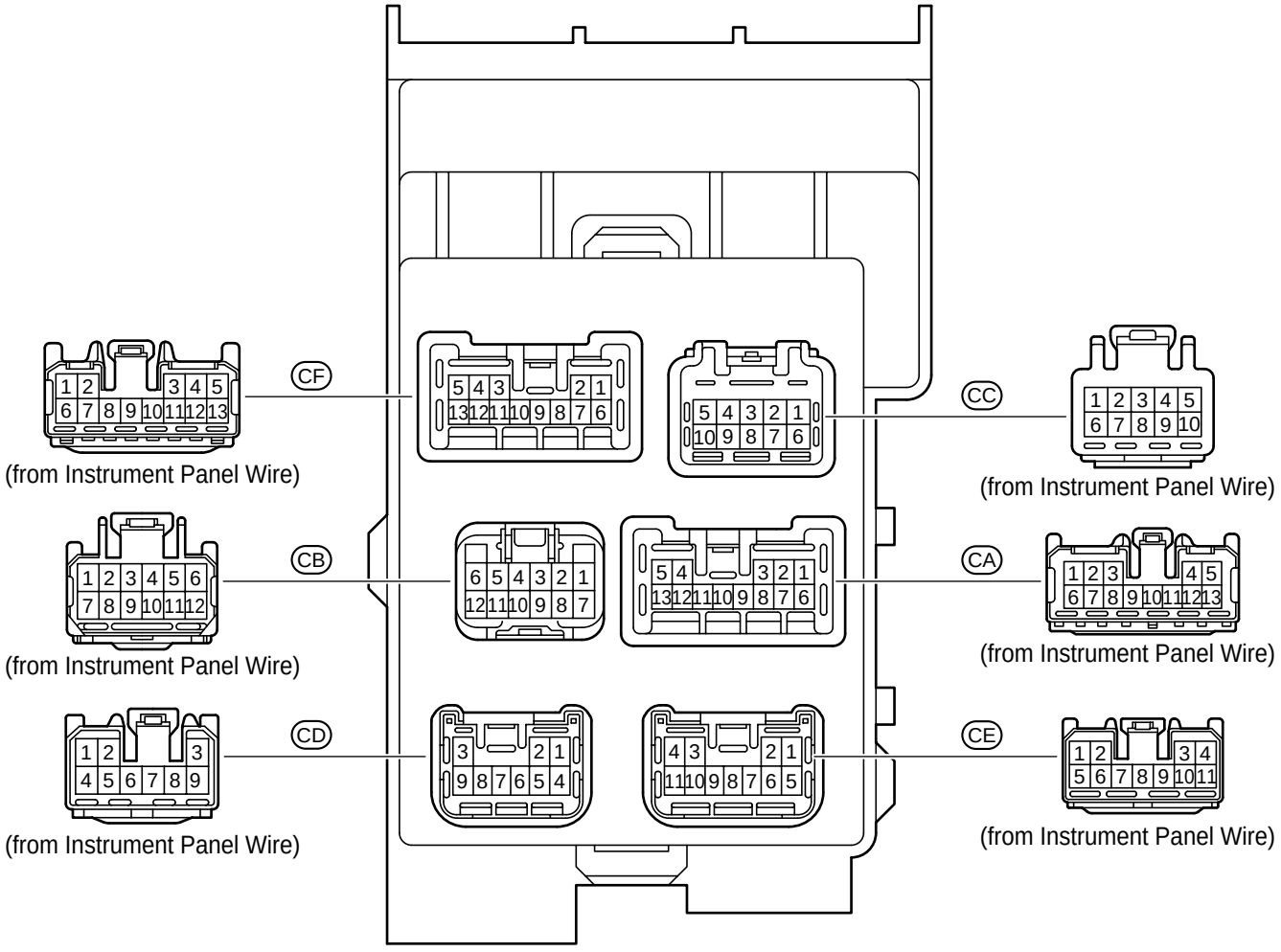
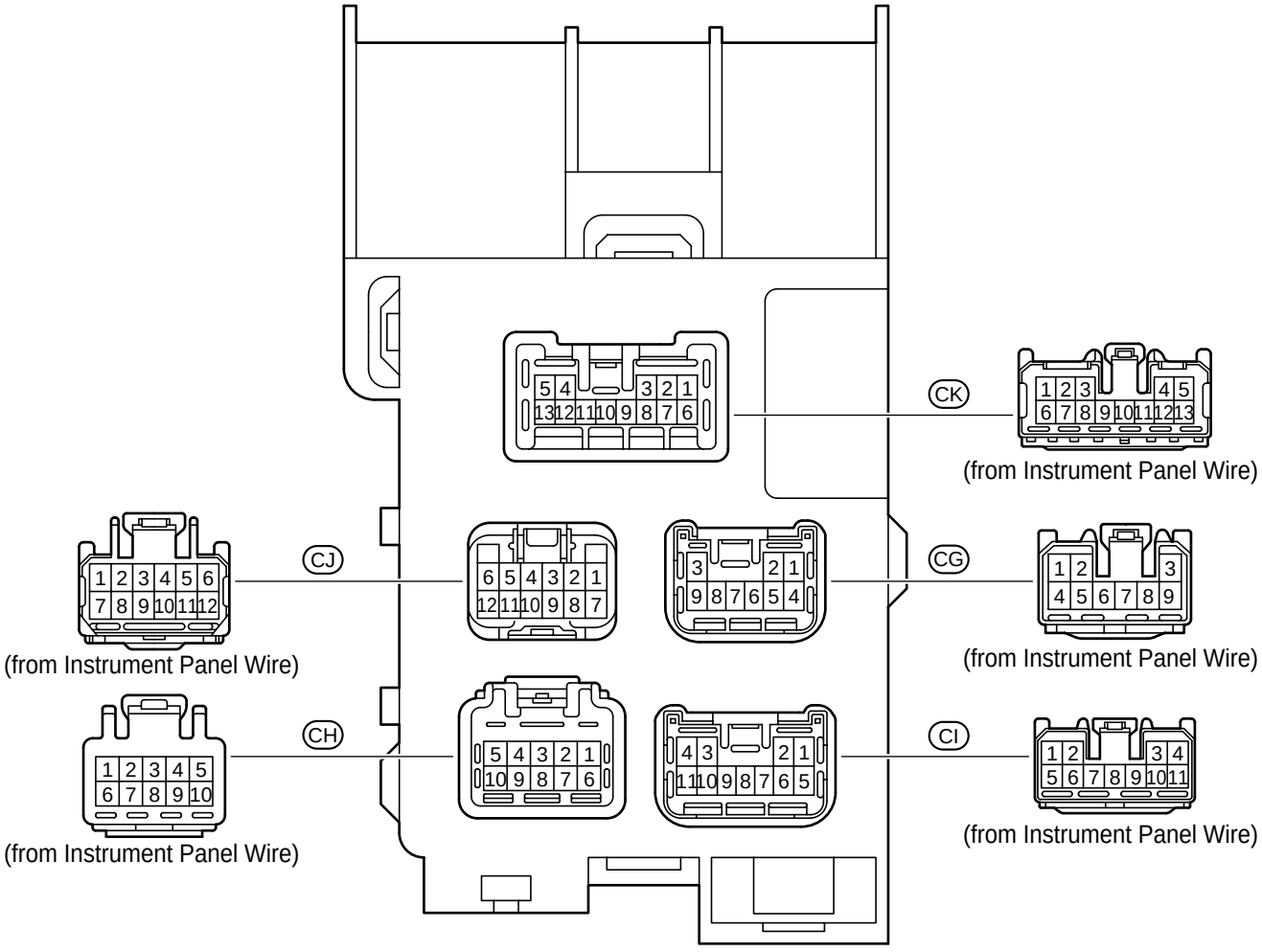
F RELAY LOCATIONS

: Center J/B	Instrument Panel Reinforcement RH (See Page 21)



http://vnx.su


CK
(from Instrument Panel Wire)
CJ
(from Instrument Panel Wire)
CG
(from Instrument Panel Wire)
CH
(from Instrument Panel Wire)
CI
(from Instrument Panel Wire)

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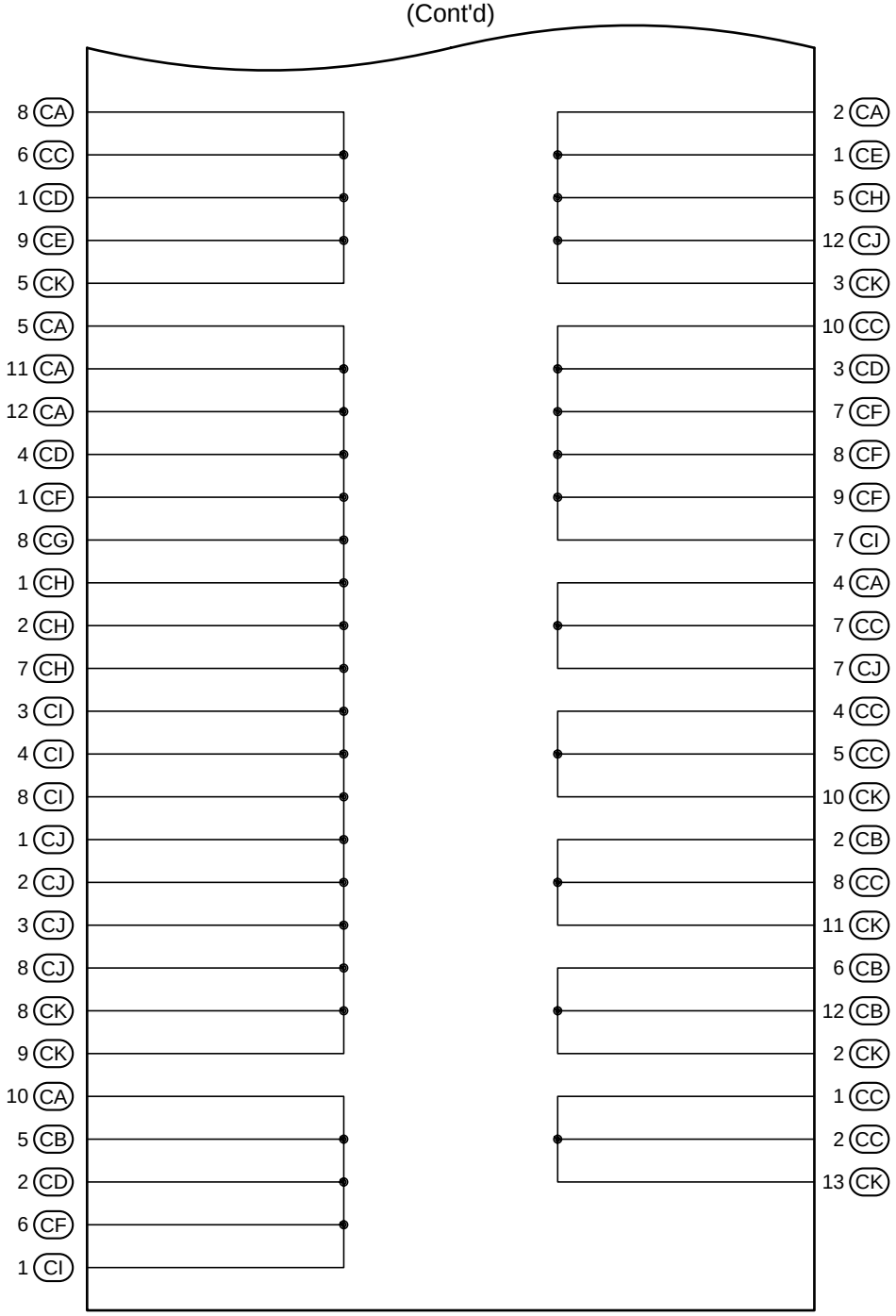
(Cont'd)



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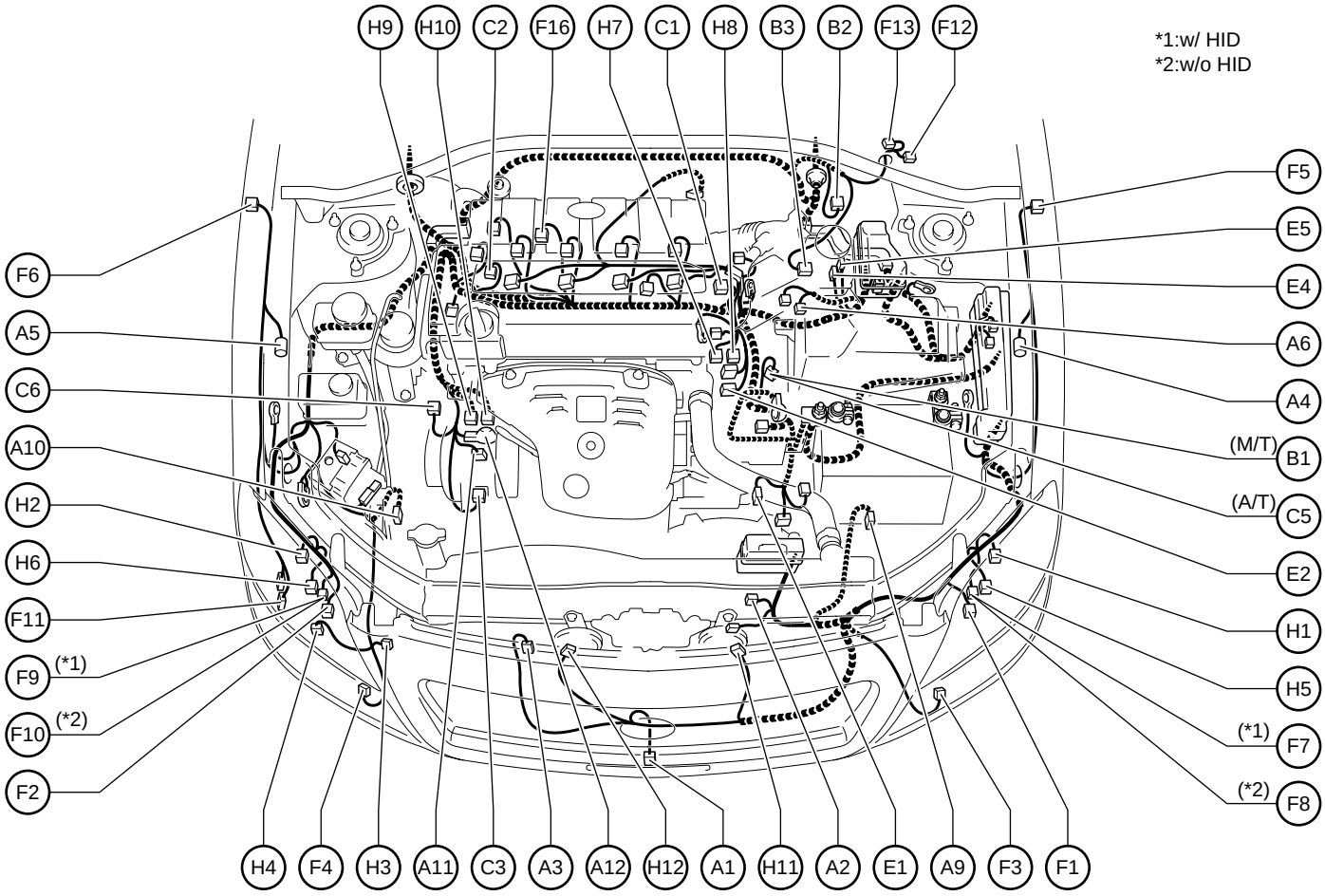
Position of Parts in Engine Compartment

[LHD : 1AZ–FSE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor
F16 Fuel Pressure Sensor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

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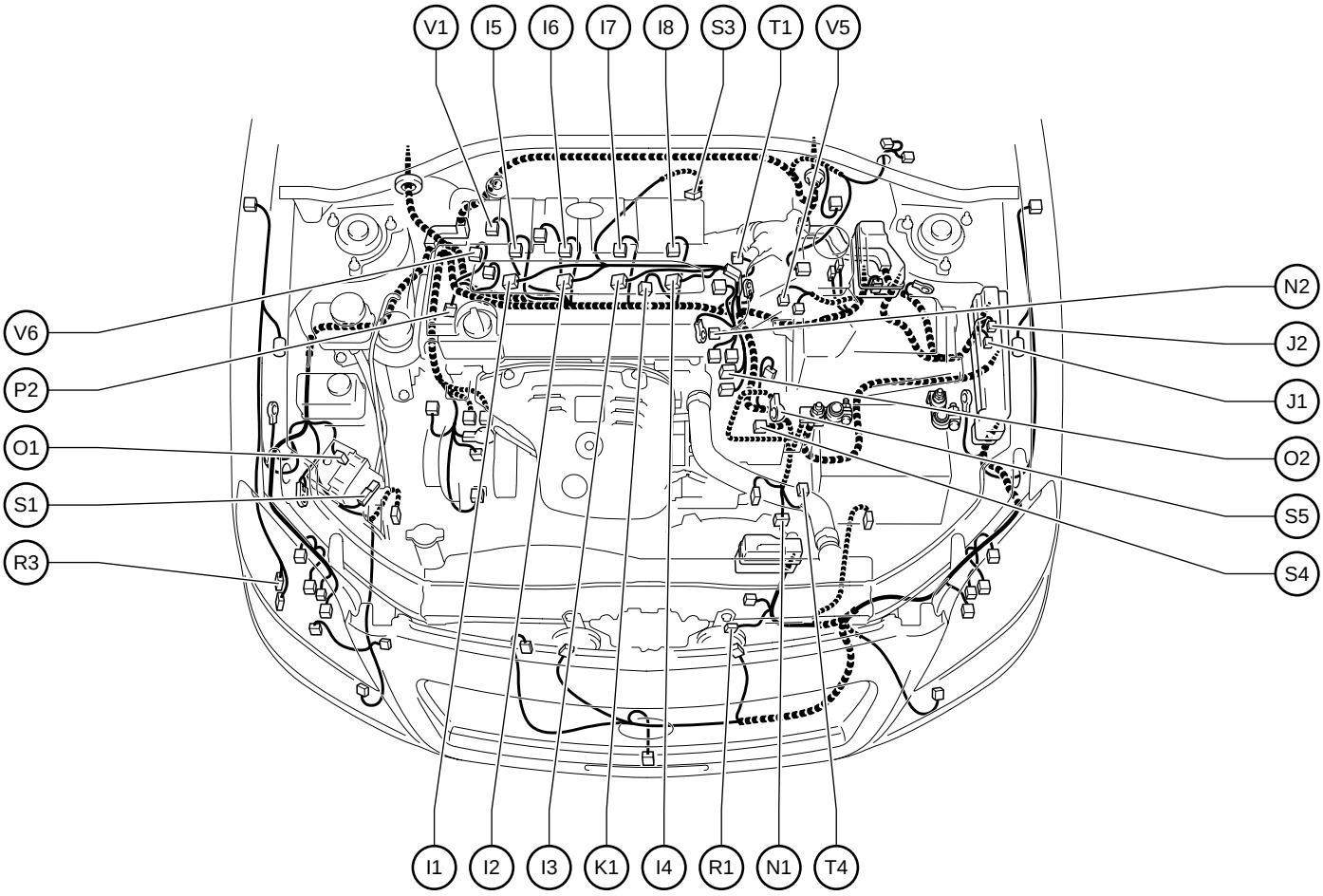
Position of Parts in Engine Compartment

[LHD : 1AZ–FSE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 3 Spill Valve
S 4 Starter
S 5 Starter

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 1 Vacuum Sensor
V 5 VSV (EVAP)
V 6 VSV (Intake Air Control Valve)

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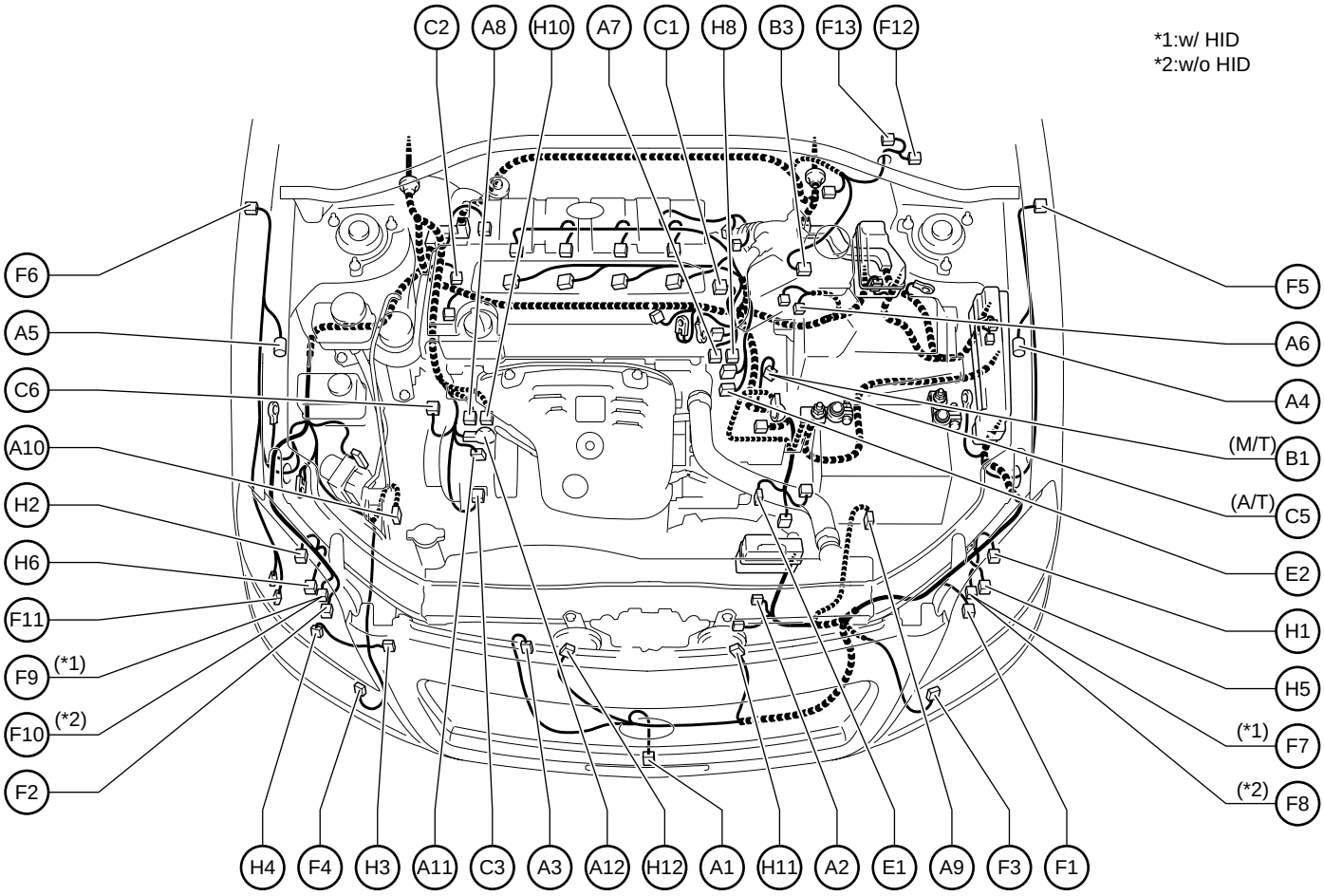
Position of Parts in Engine Compartment

[LHD : 1AZ–FE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 7 Air Fuel Ratio Sensor (Bank 1 Sensor 1)
A 8 Air Fuel Ratio Sensor (Bank 2 Sensor 1)
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

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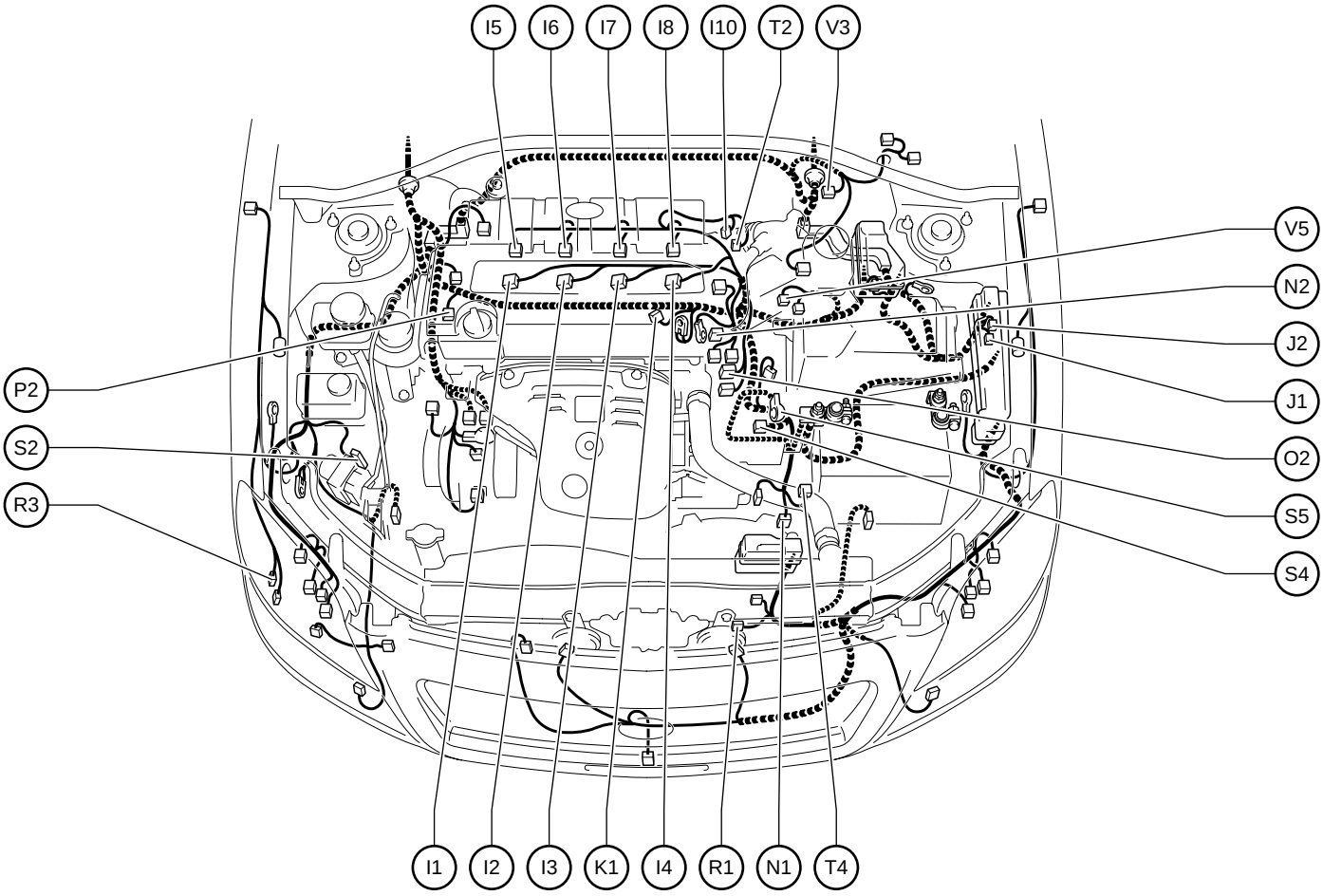
Position of Parts in Engine Compartment

[LHD : 1AZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 3 Variable Resistor
V 5 VSV (EVAP)

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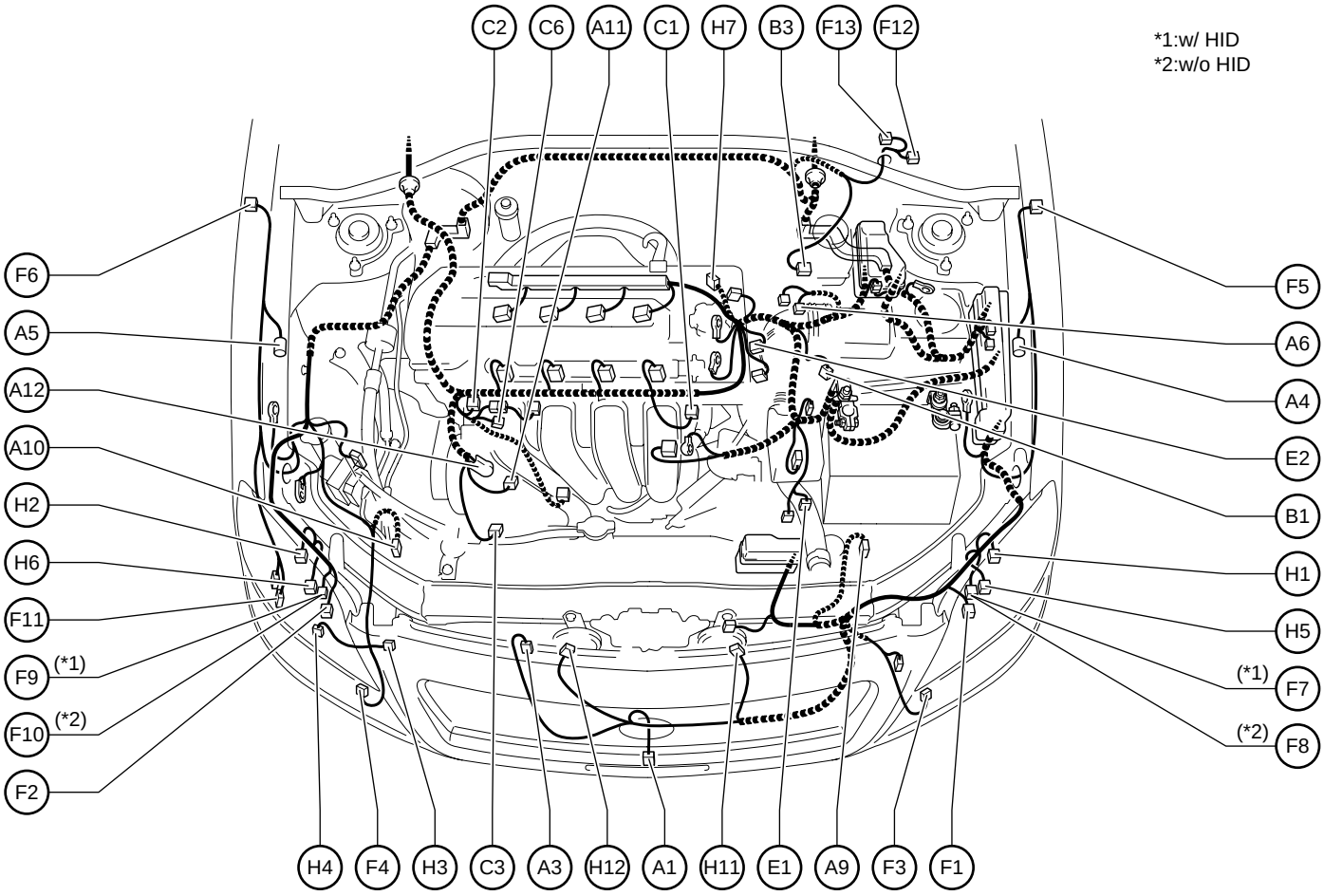
Position of Parts in Engine Compartment

[LHD : 1ZZ–FE, 3ZZ–FE]



A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 6 Crankshaft Position Sensor

E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H11 Horn LH
H12 Horn RH

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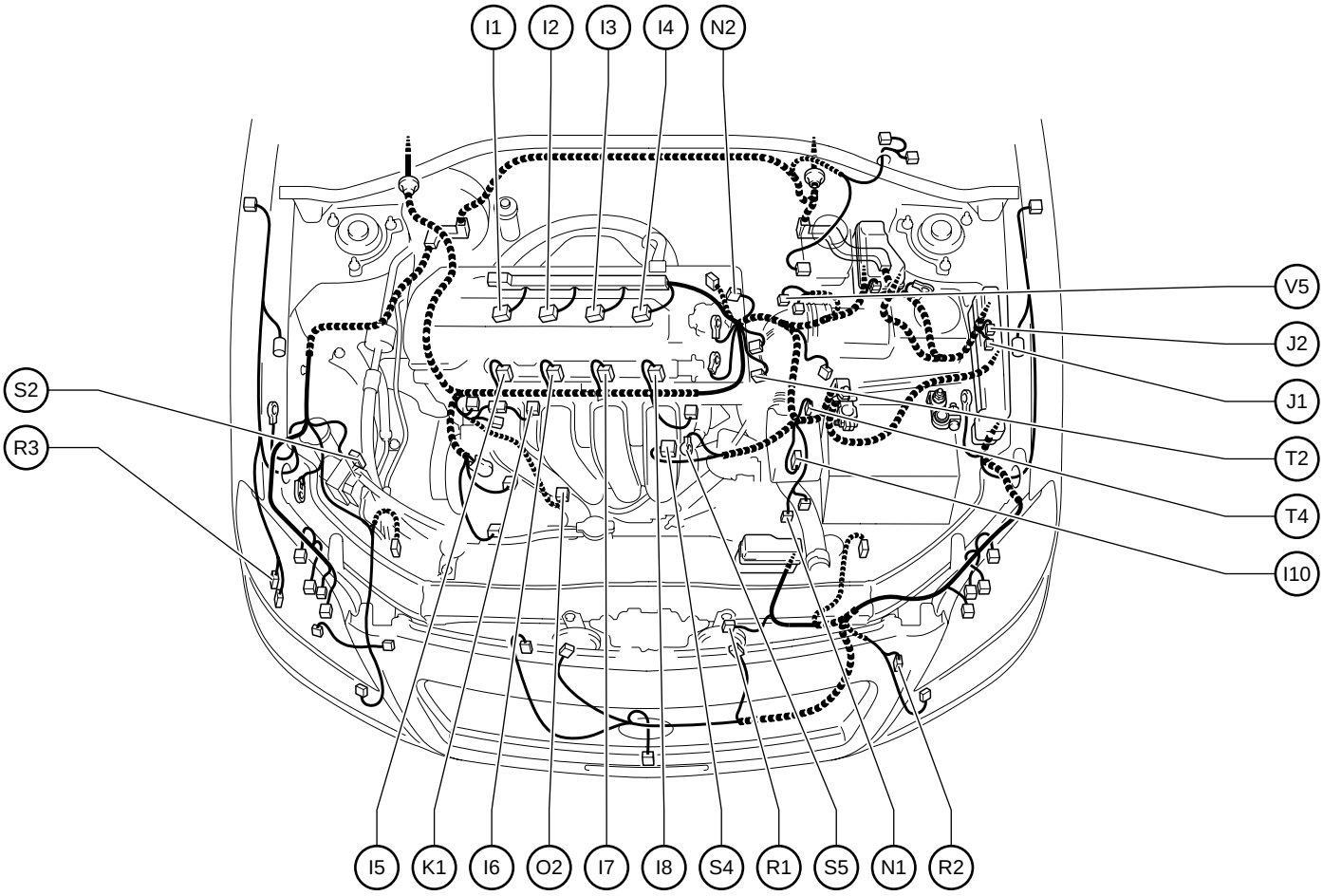
Position of Parts in Engine Compartment

[LHD : 1ZZ–FE, 3ZZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

R 1 Radiator Fan Motor
R 2 Radiator Fan Resistor
R 3 Rear Washer Motor

S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 5 VSV (EVAP)

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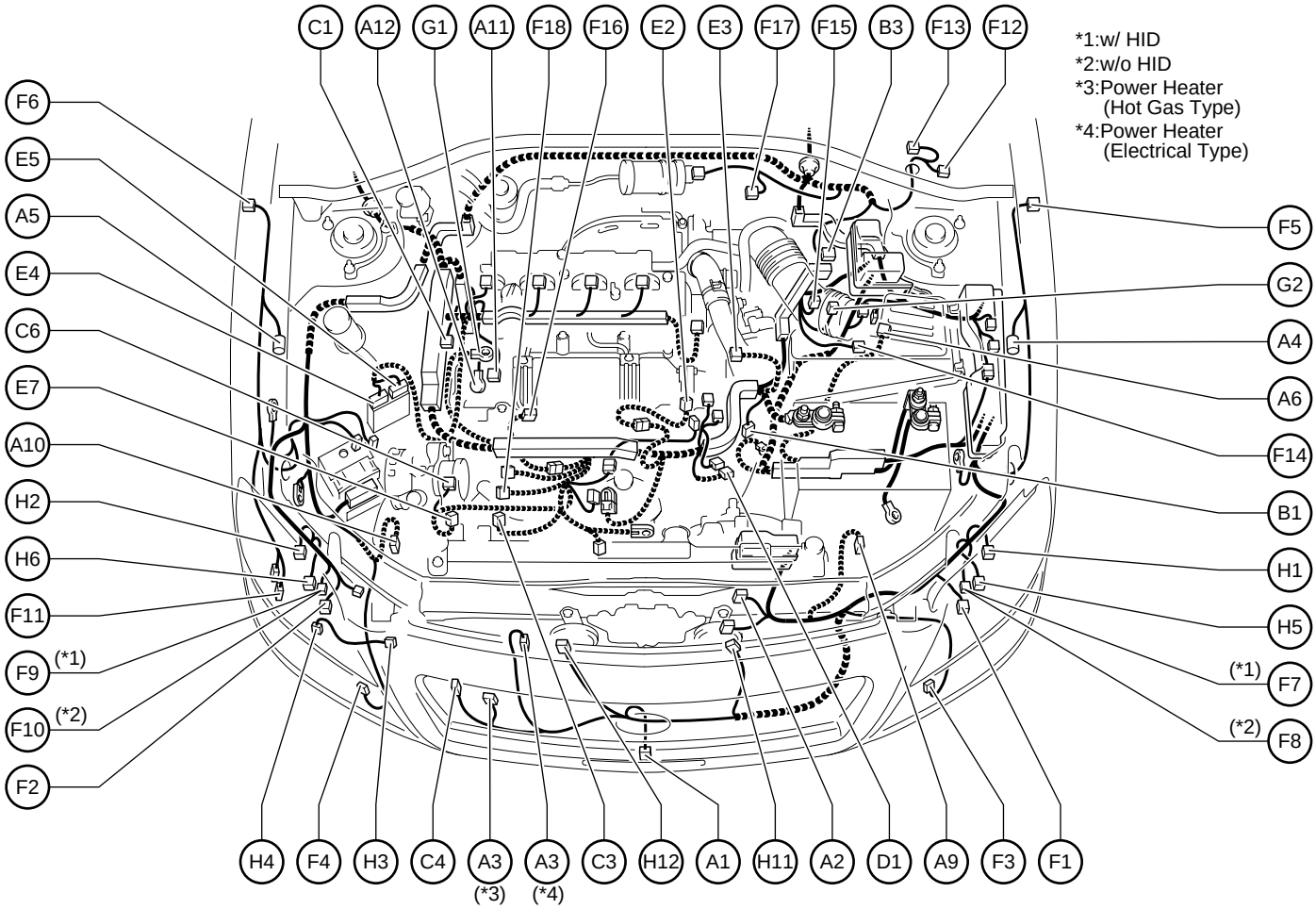
Position of Parts in Engine Compartment

[LHD : 1CD–FTV]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor

D 1 Diesel Throttle Control Motor

E 2 EFI Water Temp. Sensor
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 7 Engine Oil Level Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor
F14 Fuel Filter Warning SW
F15 Fuel Heater
F16 Fuel Pressure Sensor
F17 Fuel Pump
F18 Fuel Temp. Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H11 Horn LH
H12 Horn RH

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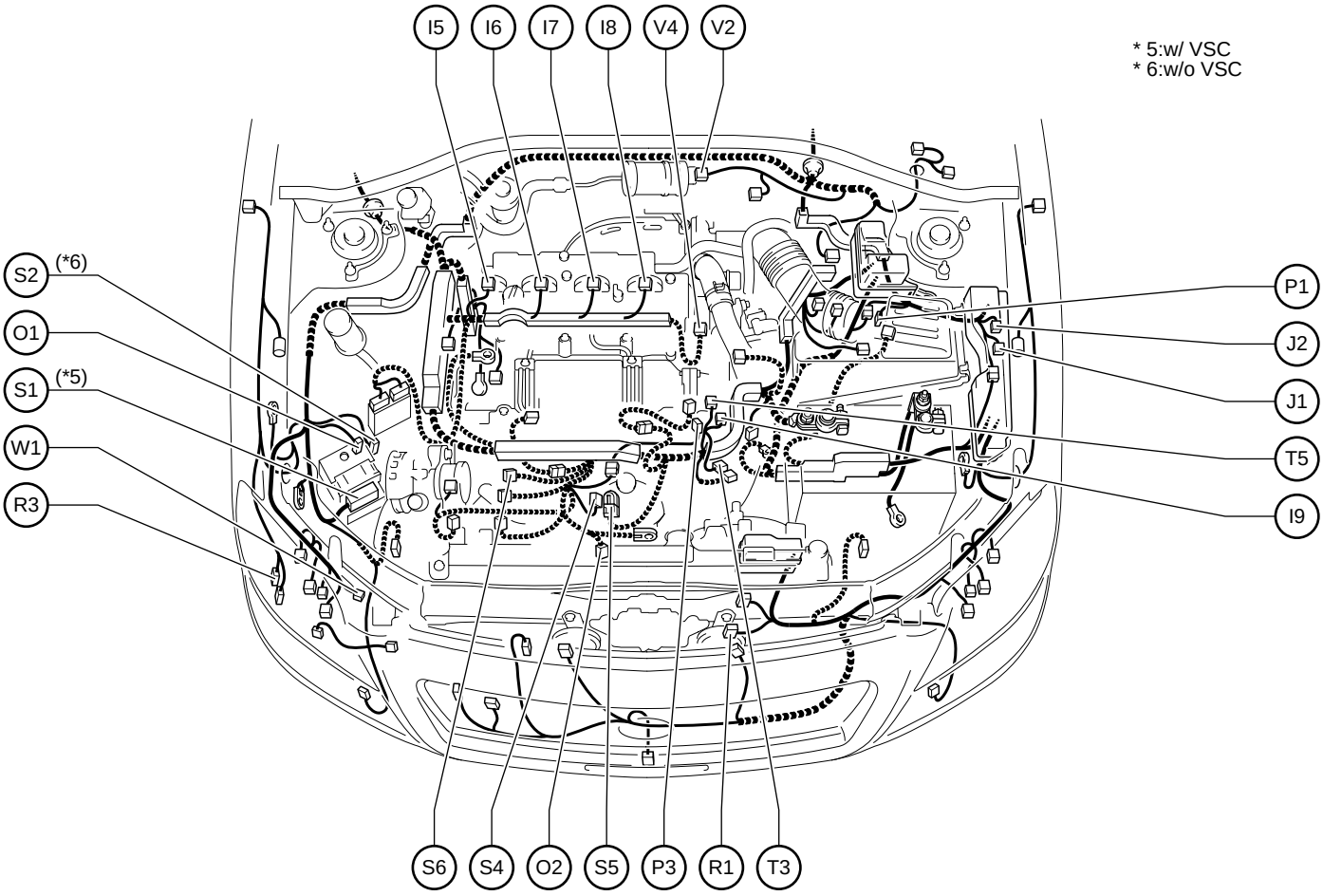
Position of Parts in Engine Compartment

[LHD : 1CD–FTV]



I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 9 Intake Air Temp. Sensor

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 1 Power Heater Assembly
P 3 Pressure Discharge Valve

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter
S 6 Suction Control Valve

T 3 Throttle Position SW
T 5 Turbo Pressure Sensor

V 2 Vacuum SW
V 4 VRV (EGR)

W 1 Water Temp. SW (Radiator Fan)

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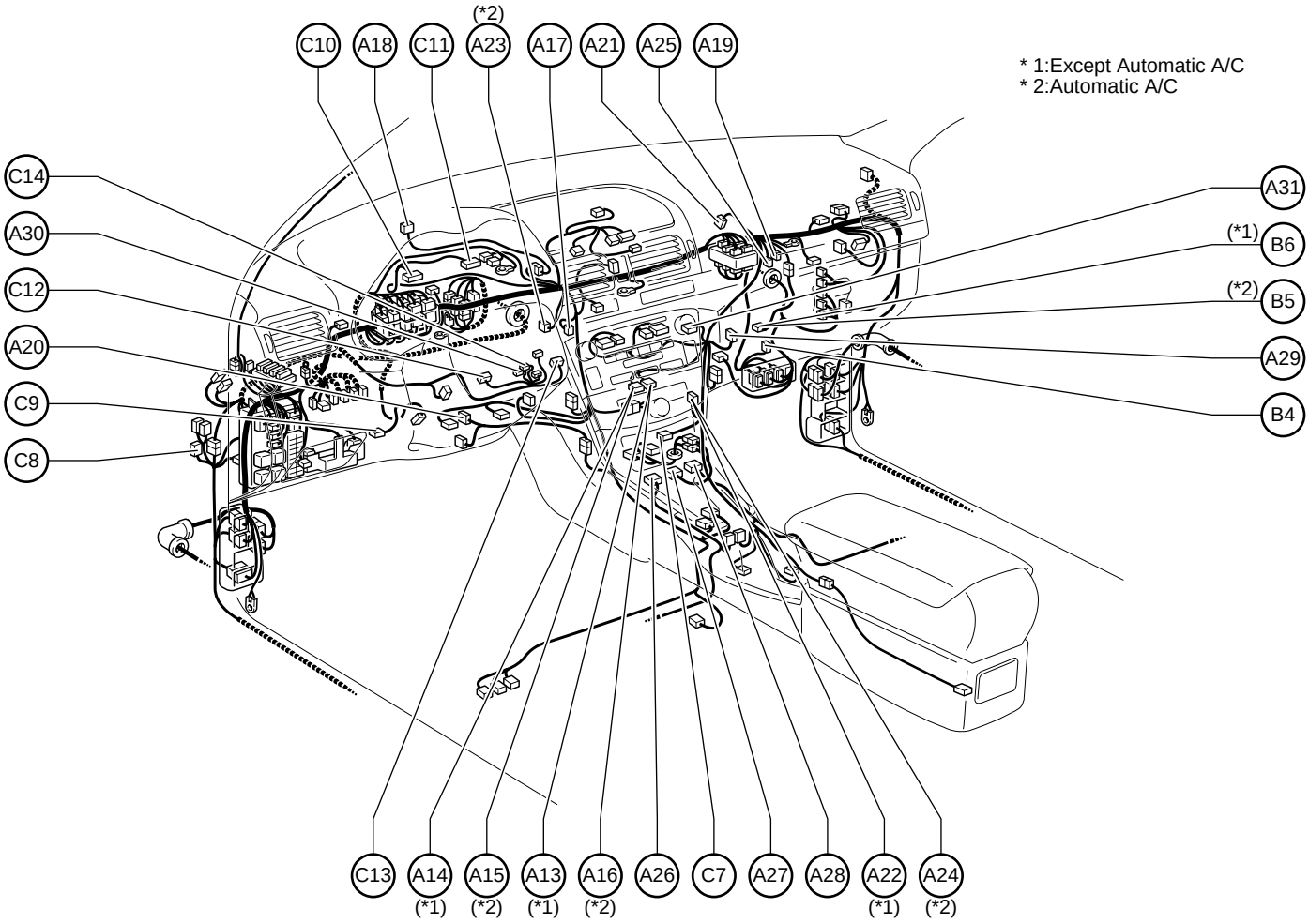
Position of Parts in Instrument Panel

[LHD]



A13 A/C Control Assembly
A14 A/C Control Assembly
A15 A/C Control Assembly
A16 A/C Control Assembly
A17 A/C Room Temp. Sensor
A18 A/C Solar Sensor
A19 A/C Thermistor
A20 Accel Position Sensor
A21 Air Inlet Control Servo Motor
A22 Air Mix Control Servo Motor
A23 Air Mix Control Servo Motor (Driver Side)
A24 Air Mix Control Servo Motor (Front Passenger Side)
A25 Air Vent Mode Control Servo Motor
A26 Airbag Sensor Assembly
A27 Airbag Sensor Assembly
A28 Airbag Sensor Assembly
A29 Airbag Squib (Front Passenger Airbag Assembly)
A30 Airbag Squib (Steering Wheel Pad)
A31 Antenna Amplifier

B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter
Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C10 Combination Meter
C11 Combination Meter
C12 Combination SW
C13 Combination SW
C14 Combination SW

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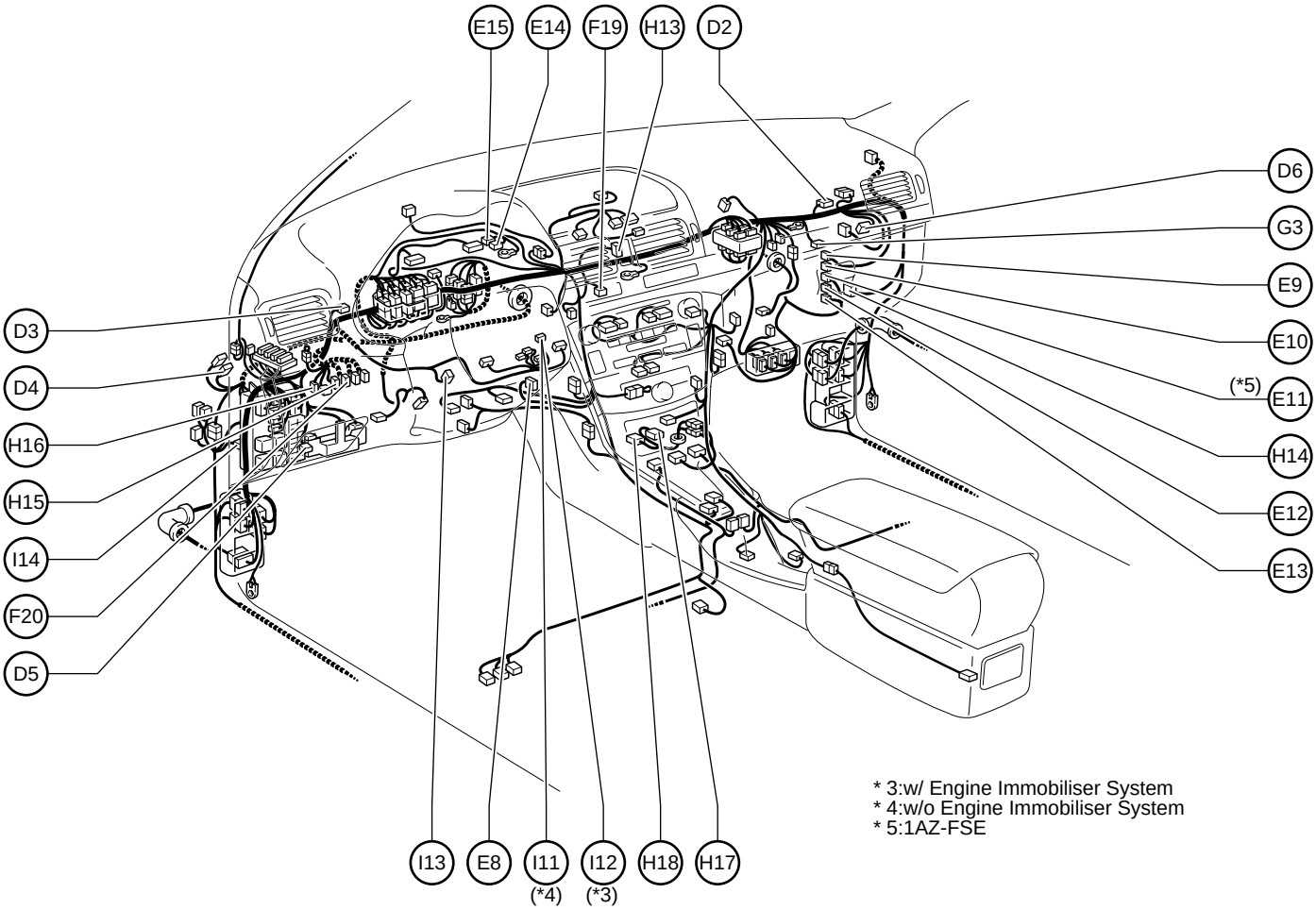
Position of Parts in Instrument Panel

[LHD]



D 2 Diode
D 3 Diode
D 4 Diode (Fan)
D 5 DLC3
D 6 Door Control Receiver

E 8 ECT Pattern Select SW
E 9 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 10 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 11 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 12 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 13 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 14 EPS ECU
E 15 EPS ECU

F 19 Front Passenger's Seat Belt Warning Light
Rear Window Defogger SW
Security Indicator Light
F 20 Front Wiper Deicer SW

G 3 Glove Box Light

H13 Hazard SW
H14 Headlight Beam Level Control ECU
H15 Headlight Beam Level Control SW
H16 Headlight Cleaner SW
H17 Heated Oxygen Sensor (Bank 1 Sensor 2)
H18 Height Control Sensor (Front)

I 11 Ignition Key Cylinder Light
I 12 Ignition Key Cylinder Light
Transponder Key Amplifier
I 13 Ignition SW
I 14 Integration Relay

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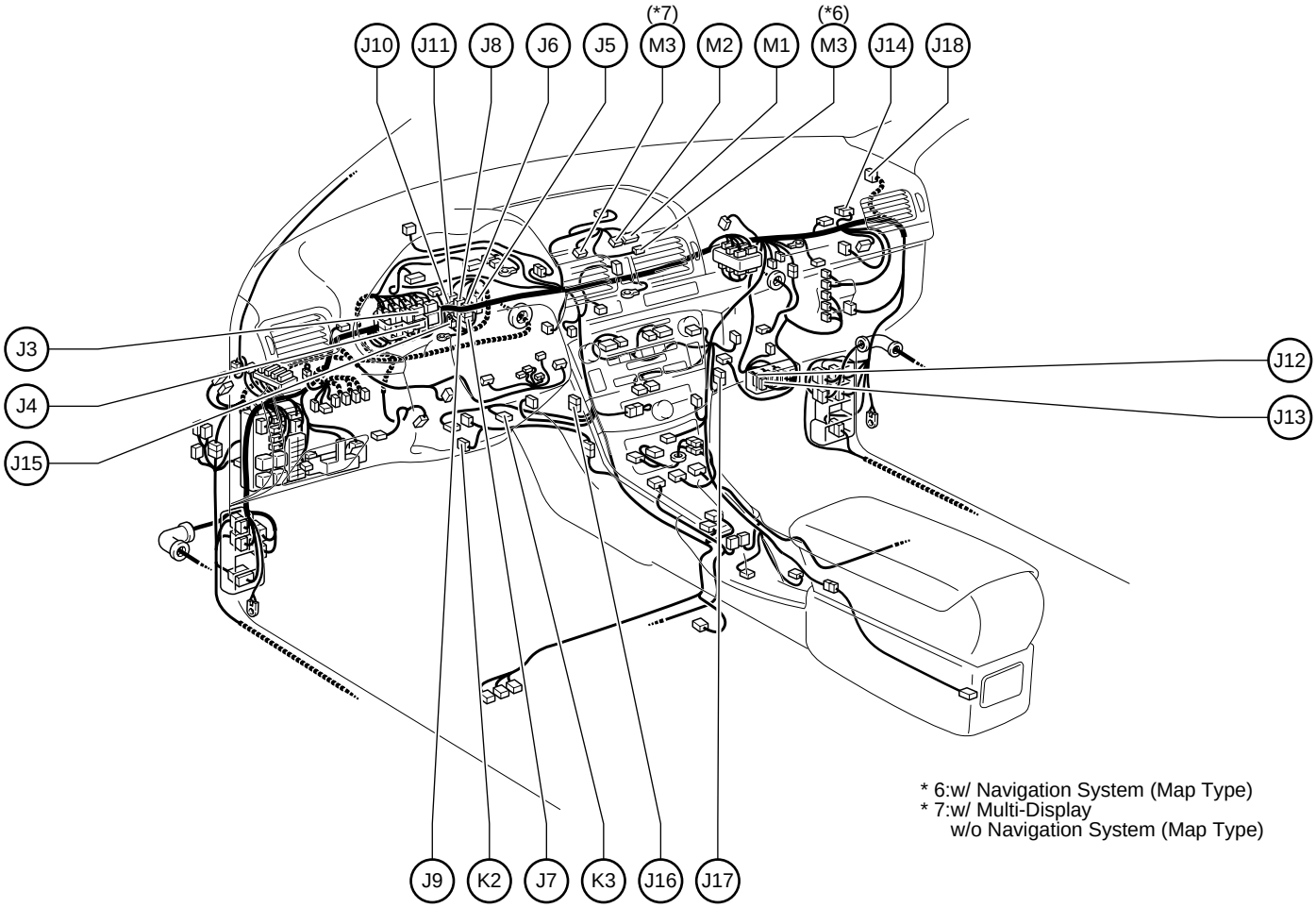
Position of Parts in Instrument Panel

[LHD]



J 3 Junction Connector
J 4 Junction Connector
J 5 Junction Connector
J 6 Junction Connector
J 7 Junction Connector
J 8 Junction Connector
J 9 Junction Connector
J 10 Junction Connector
J 11 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 14 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector
J 18 Junction Connector

K 2 Kick Down SW
K 3 Knee Airbag Squib

M 1 Multi–Display
M 2 Multi–Display
M 3 Multi–Display

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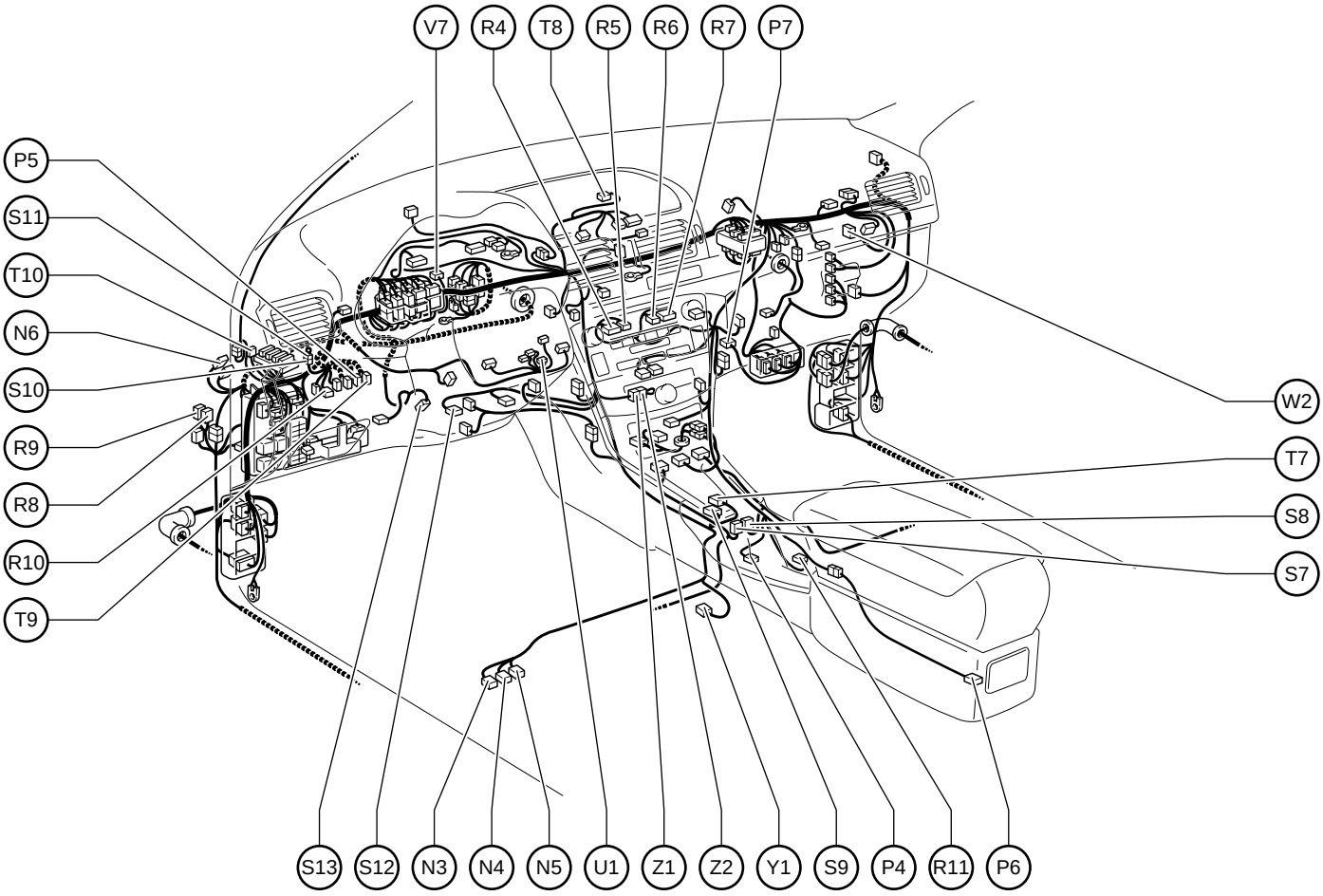
Position of Parts in Instrument Panel

[LHD]



N 3 Navigation ECU
N 4 Navigation ECU
N 5 Navigation ECU
N 6 Noise Filter (Rear Window Defogger No.1)

P 4 Parking Brake SW
P 5 Power Heater SW
P 6 Power Outlet
P 7 PTC Heater

R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Rear Fog Light Relay
R 9 Rear Window Defogger Relay
R10 Remote Control Mirror SW
R11 Remote Controller (Navigation)

S 7 Seat Heater SW
S 8 Seat Heater SW
S 9 Shift Lock Control ECU
S10 Short Connector
S11 Short Connector
S12 Steering Sensor
S13 Stop Light SW

T 7 Transmission Control SW
T 8 Transponder Key Computer
T 9 TRC Off SW
T10 Turn Signal Flasher Relay

U 1 Unlock Warning SW

V 7 VSC Warning Buzzer

W 2 Wiper Relay

Y 1 Yaw Rate Sensor

Z 1 Option Connector (Navigation ECU)
Z 2 Option Connector (Navigation ECU)

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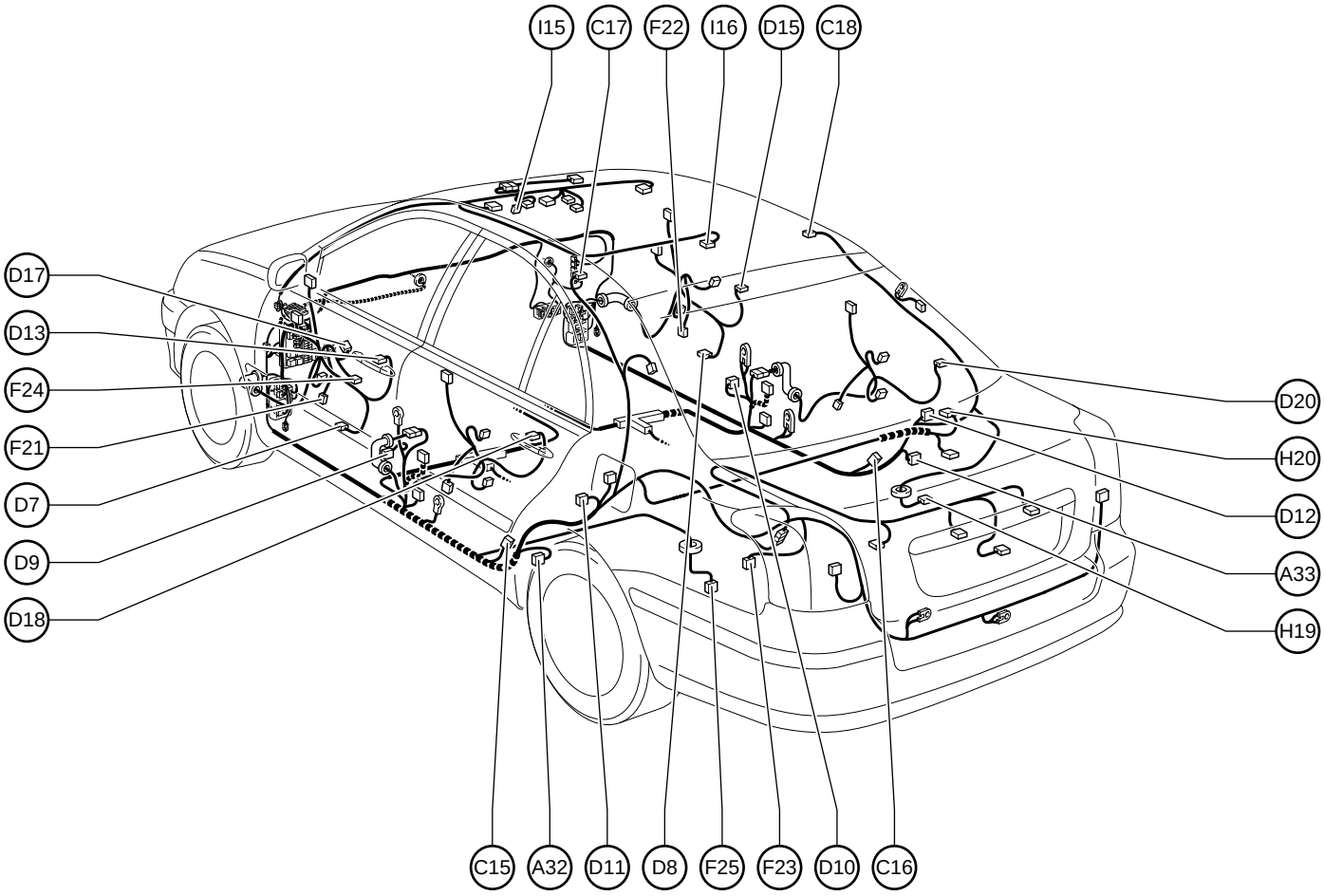
Position of Parts in Body

[LHD : S/D]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

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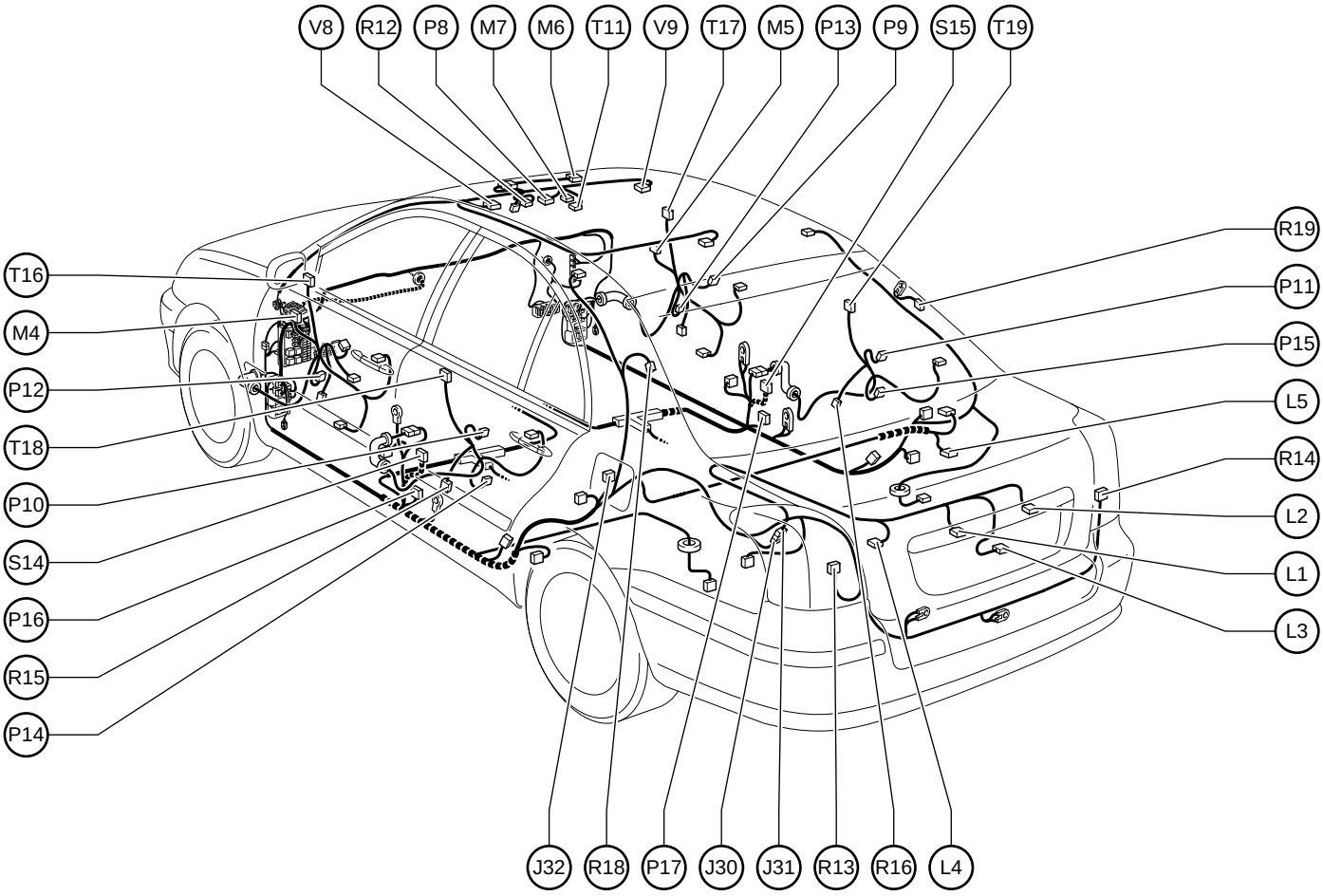
Position of Parts in Body

[LHD : S/D]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH
L 3 Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4 Luggage Compartment Door Opener SW
L 5 Luggage Compartment Light

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 18 Rear Window Defogger
R 19 Rear Window Defogger

S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

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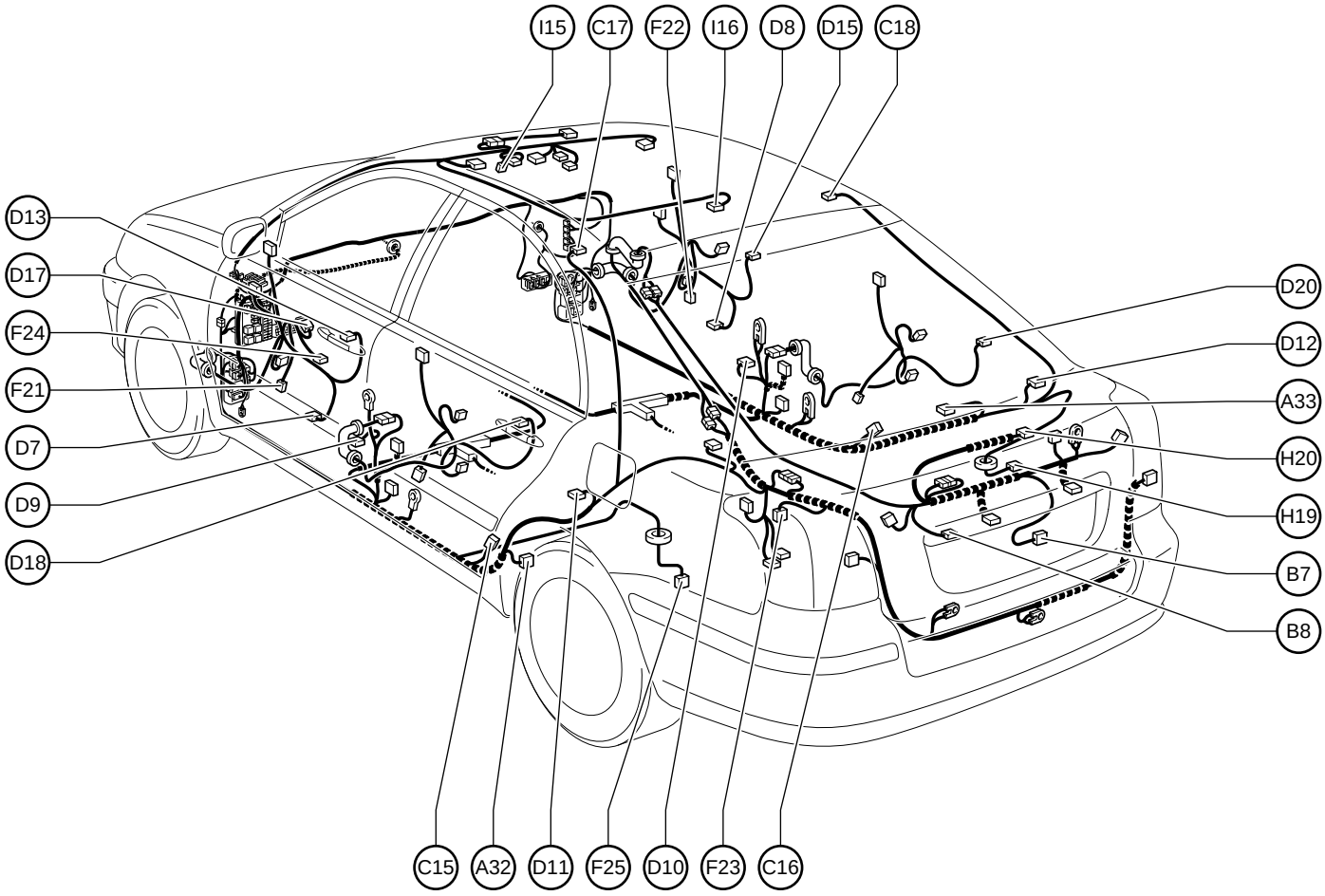
Position of Parts in Body

[LHD : L/B]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

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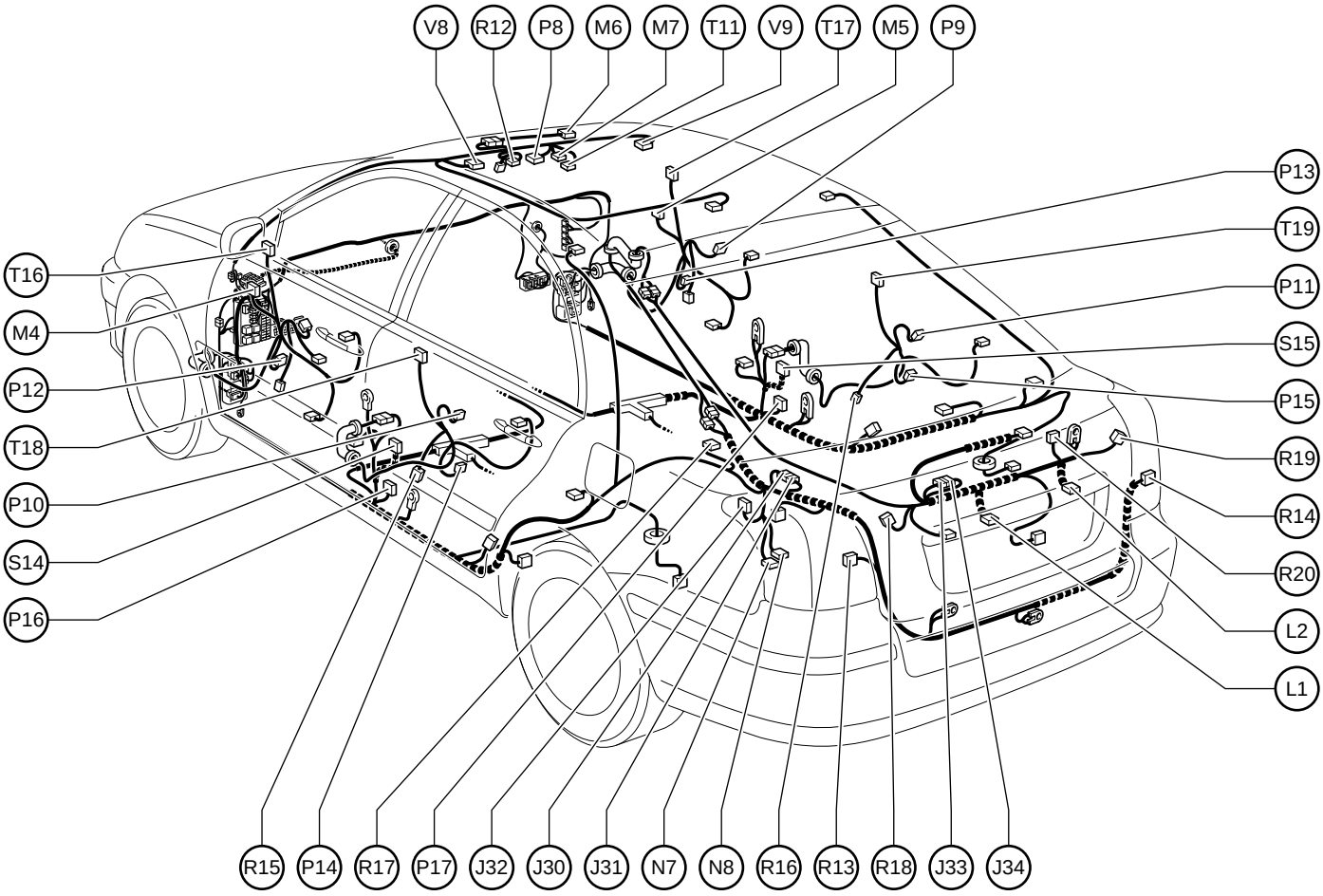
Position of Parts in Body

[LHD : L/B]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

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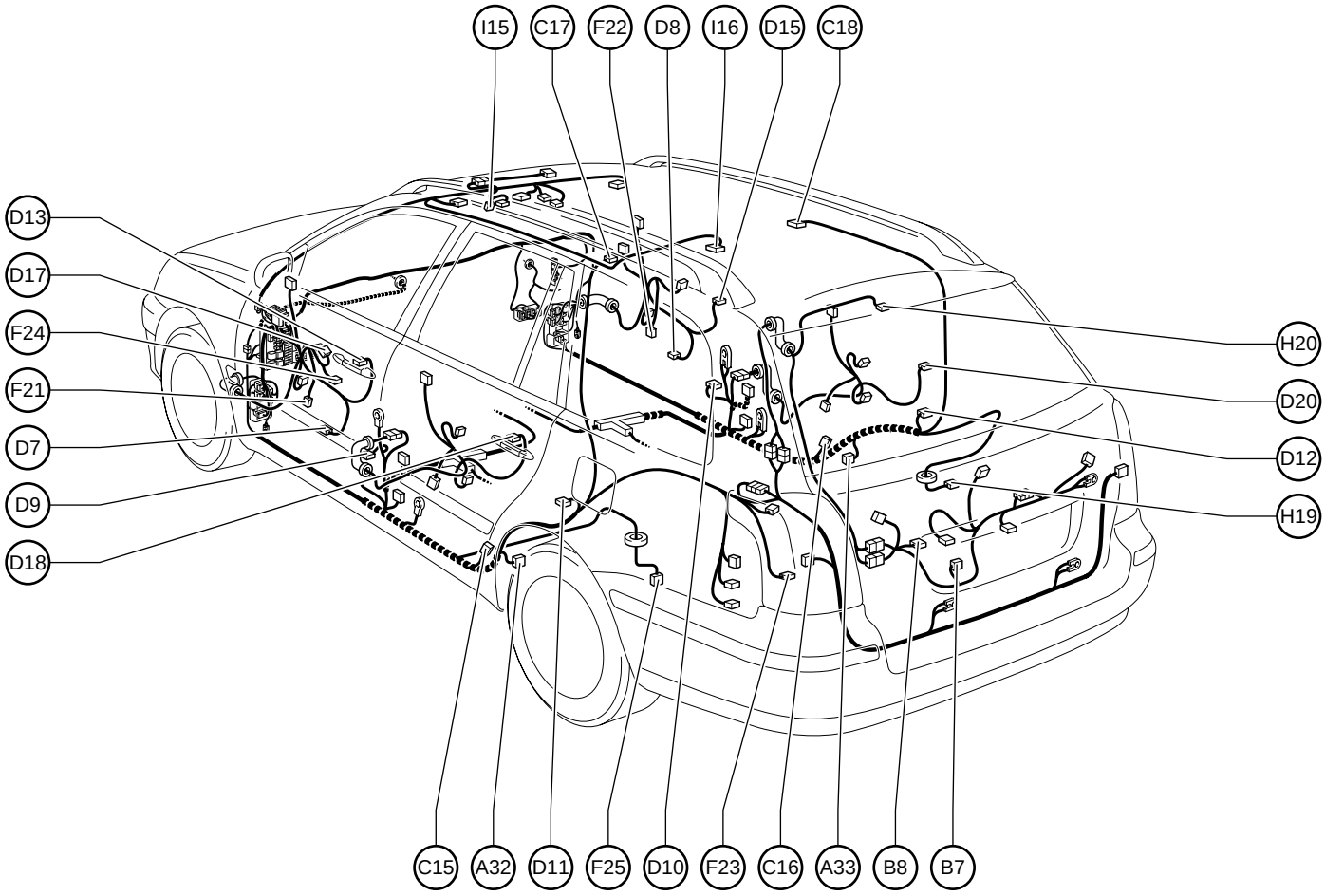
Position of Parts in Body

[LHD : W/G]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

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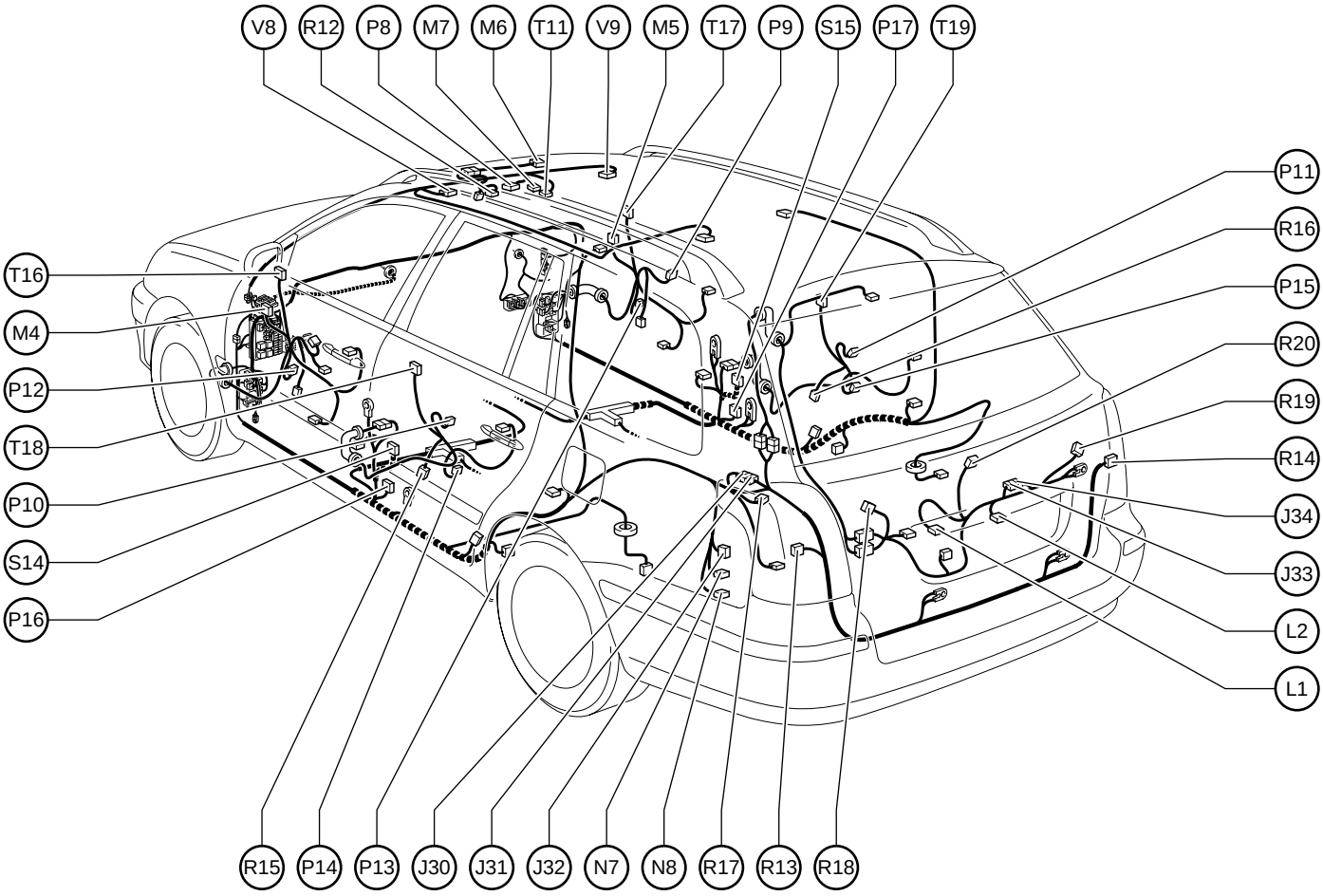
Position of Parts in Body

[LHD : W/G]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

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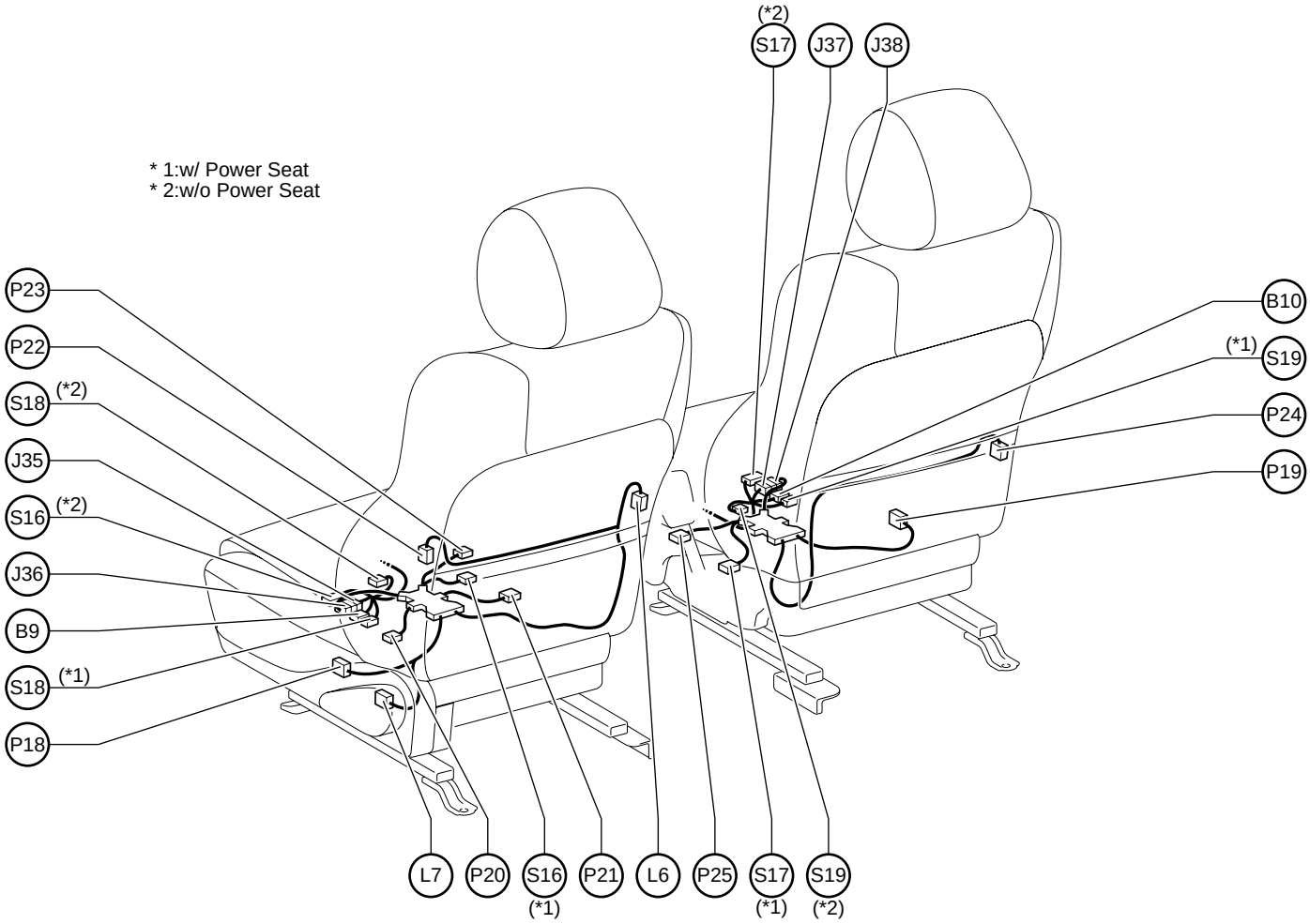
Position of Parts in Seat

[LHD]



B 9 Buckle SW (Driver's Side)
B 10 Buckle SW (Front Passenger's Side) Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

P 18 Power Seat Control SW (Driver's Seat)
P 19 Power Seat Control SW (Front Passenger's Seat)
P 20 Power Seat Motor (Driver's Seat Front Vertical Control)
P 21 Power Seat Motor (Driver's Seat Lifter Control)
P 22 Power Seat Motor (Driver's Seat Reclining Control)
P 23 Power Seat Motor (Driver's Seat Slide Control)
P 24 Power Seat Motor (Front Passenger's Seat Reclining Control)
P 25 Power Seat Motor (Front Passenger's Seat Slide Control)

S 16 Seat Heater LH
S 17 Seat Heater RH
S 18 Side Airbag Squib LH
S 19 Side Airbag Squib RH

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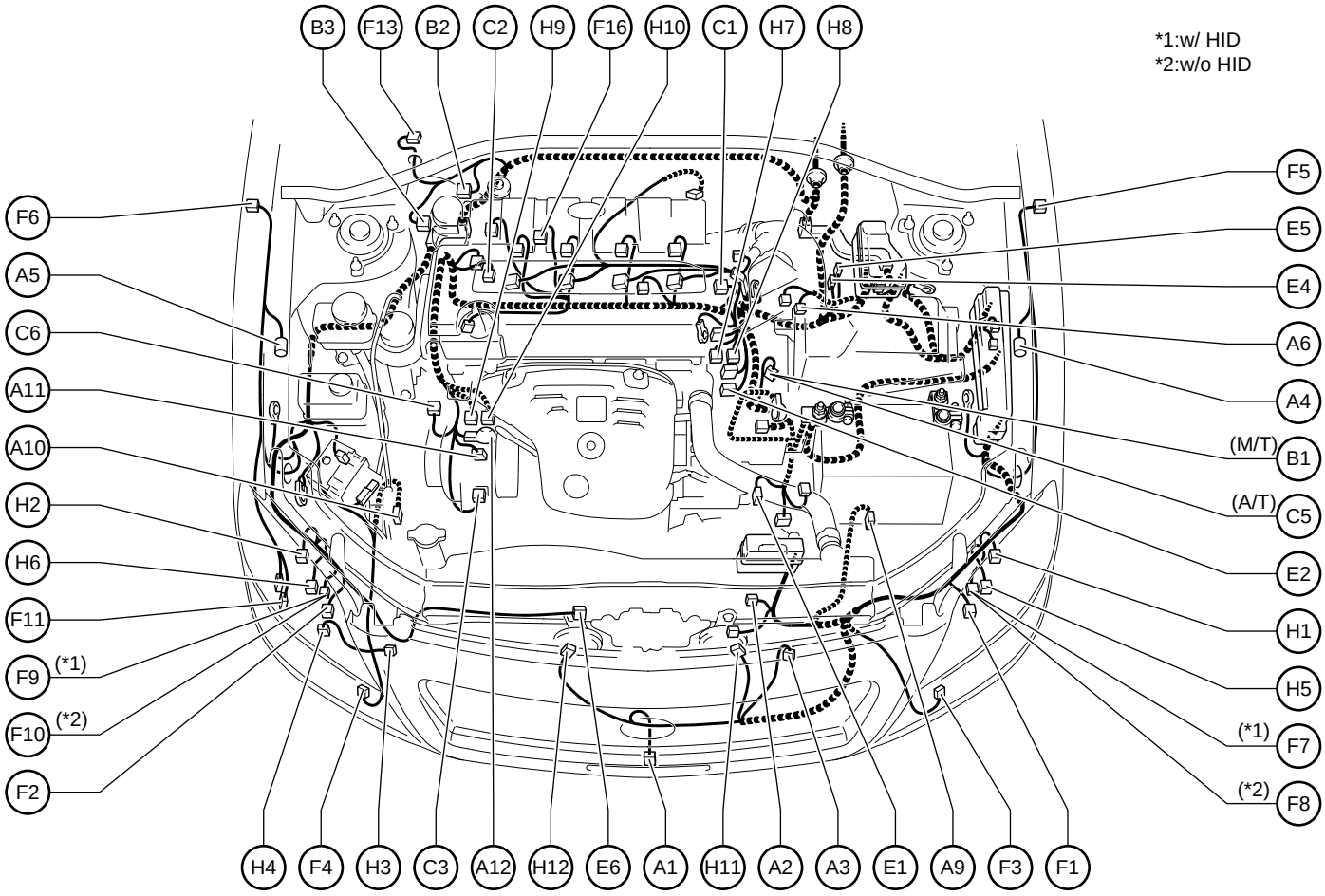
Position of Parts in Engine Compartment

[RHD : 1AZ–FSE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 6 Engine Hood Courtesy SW

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor
F16 Fuel Pressure Sensor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

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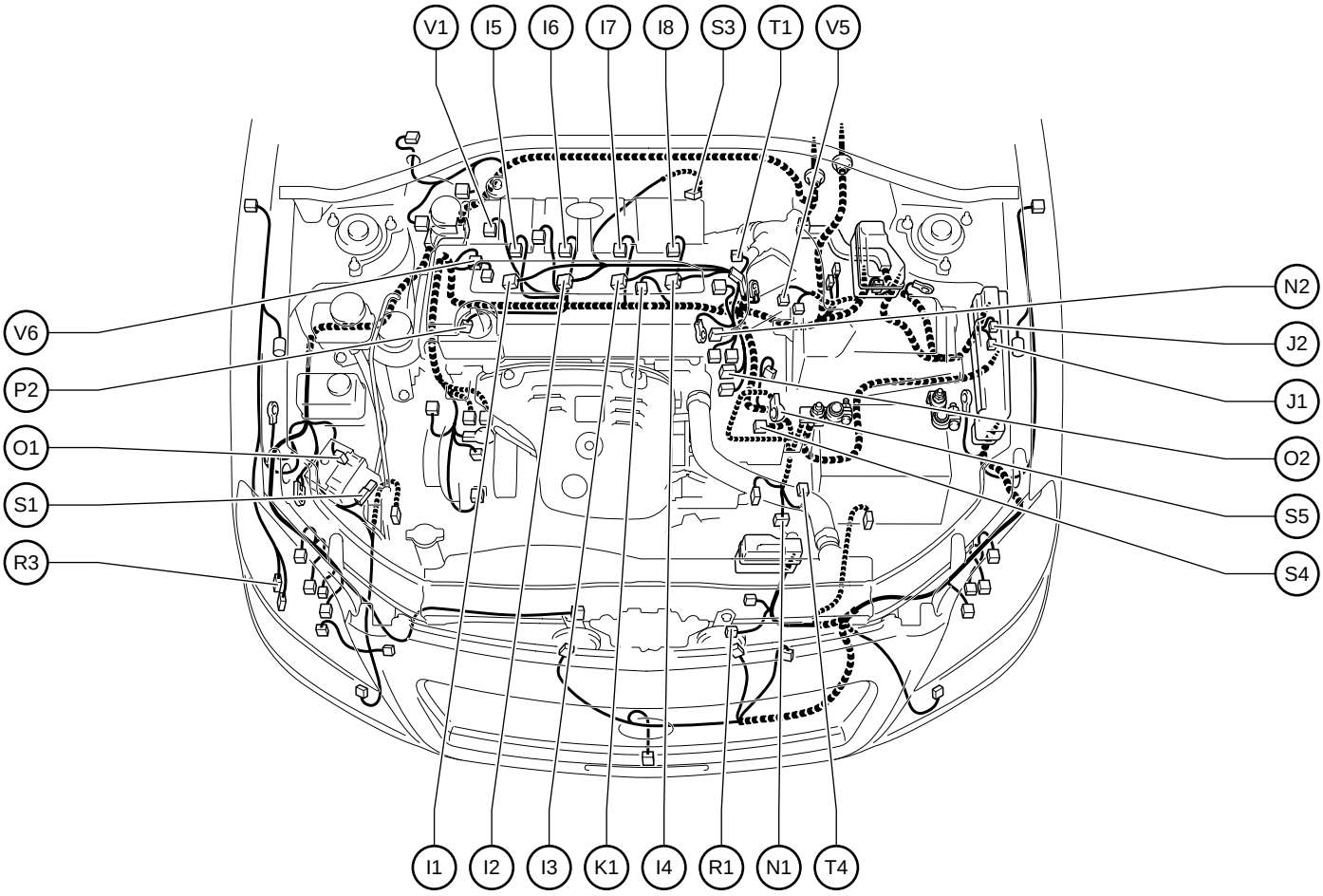
Position of Parts in Engine Compartment

[RHD : 1AZ–FSE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 3 Spill Valve
S 4 Starter
S 5 Starter

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 1 Vacuum Sensor
V 5 VSV (EVAP)
V 6 VSV (Intake Air Control Valve)

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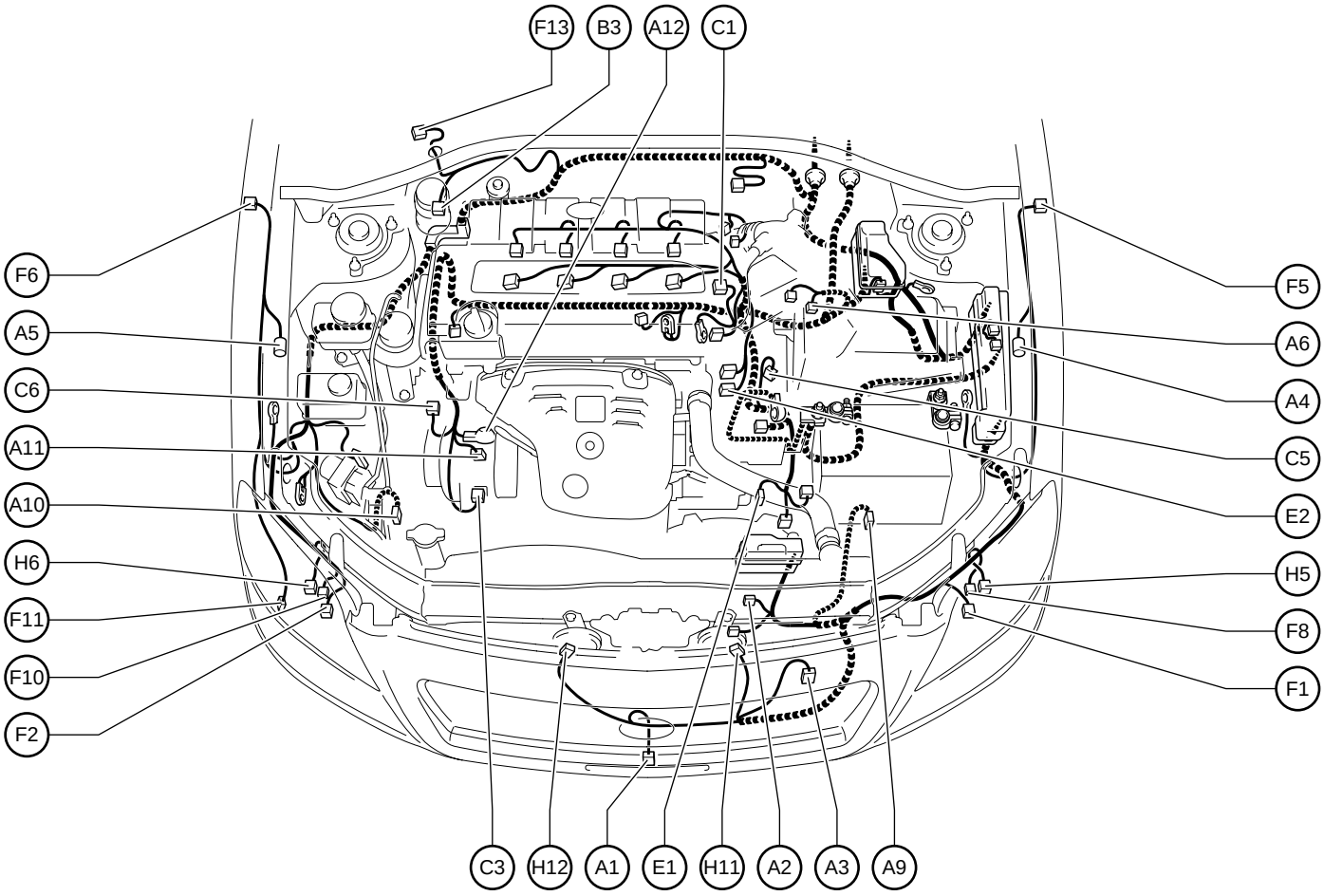
Position of Parts in Engine Compartment

[RHD : 1AZ–FE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor

H 5 Headlight LH (High)
H 6 Headlight RH (High)
H11 Horn LH
H12 Horn RH

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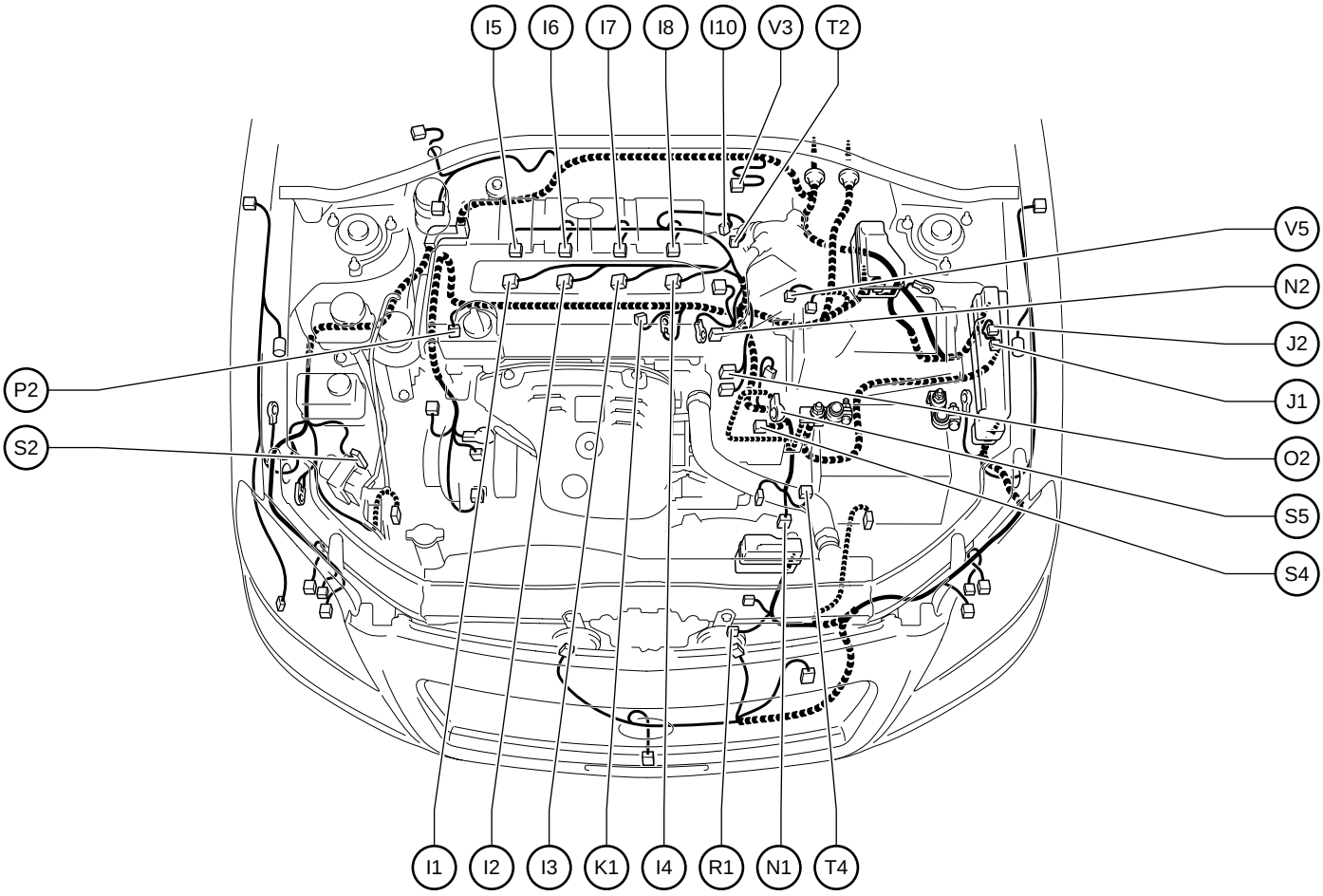
Position of Parts in Engine Compartment

[RHD : 1AZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor

S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 3 Variable Resistor
V 5 VSV (EVAP)

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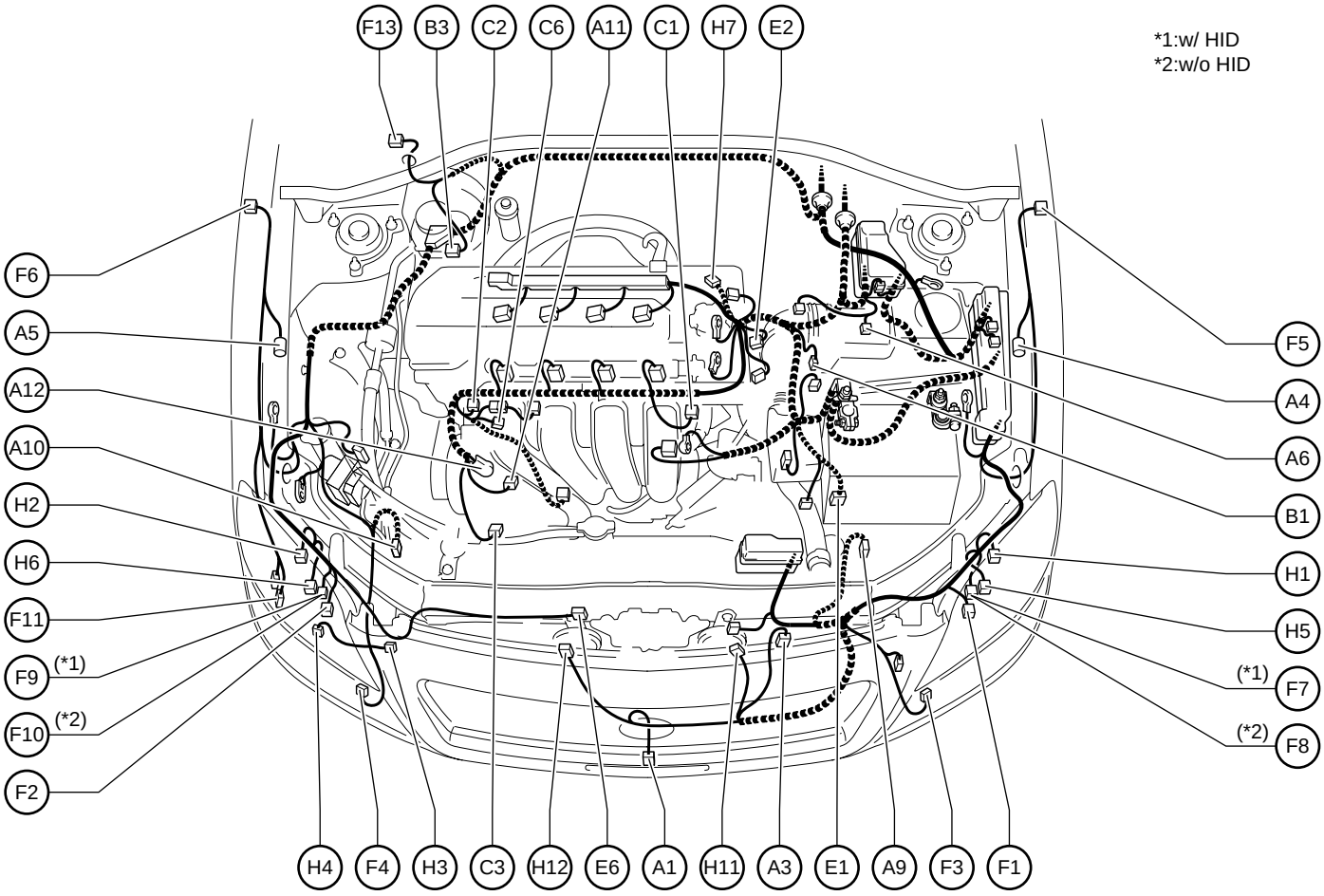
Position of Parts in Engine Compartment

[RHD : 1ZZ–FE, 3ZZ–FE]



A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 6 Crankshaft Position Sensor

E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 6 Engine Hood Courtesy SW

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H11 Horn LH
H12 Horn RH

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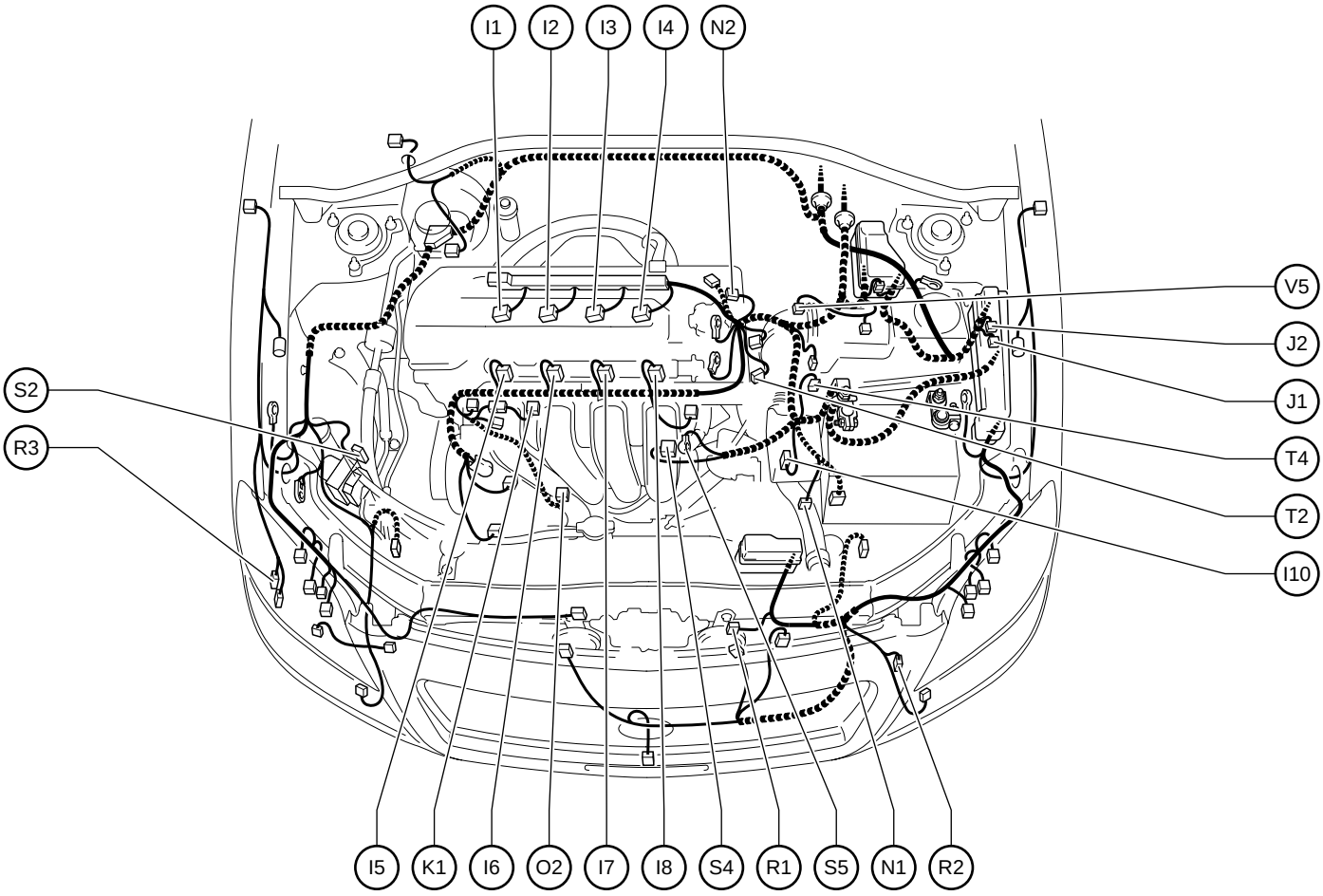
Position of Parts in Engine Compartment

[RHD : 1ZZ–FE, 3ZZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

R 1 Radiator Fan Motor
R 2 Radiator Fan Resistor
R 3 Rear Washer Motor

S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 5 VSV (EVAP)

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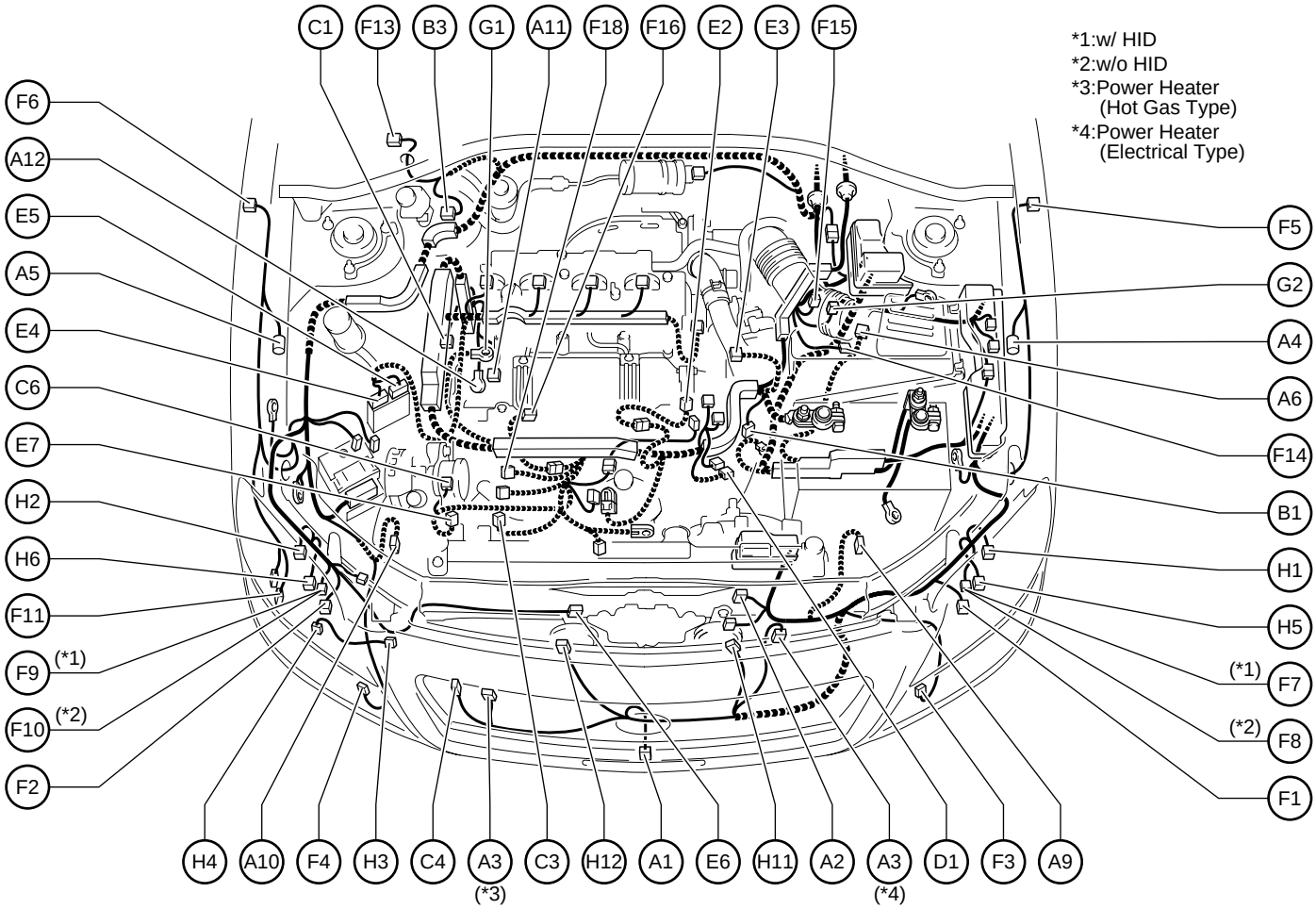
Position of Parts in Engine Compartment

[RHD : 1CD–FTV]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor

D 1 Diesel Throttle Control Motor

E 2 EFI Water Temp. Sensor
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F 10 Front Turn Signal Light RH
Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 15 Fuel Heater
F 16 Fuel Pressure Sensor
F 18 Fuel Temp. Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

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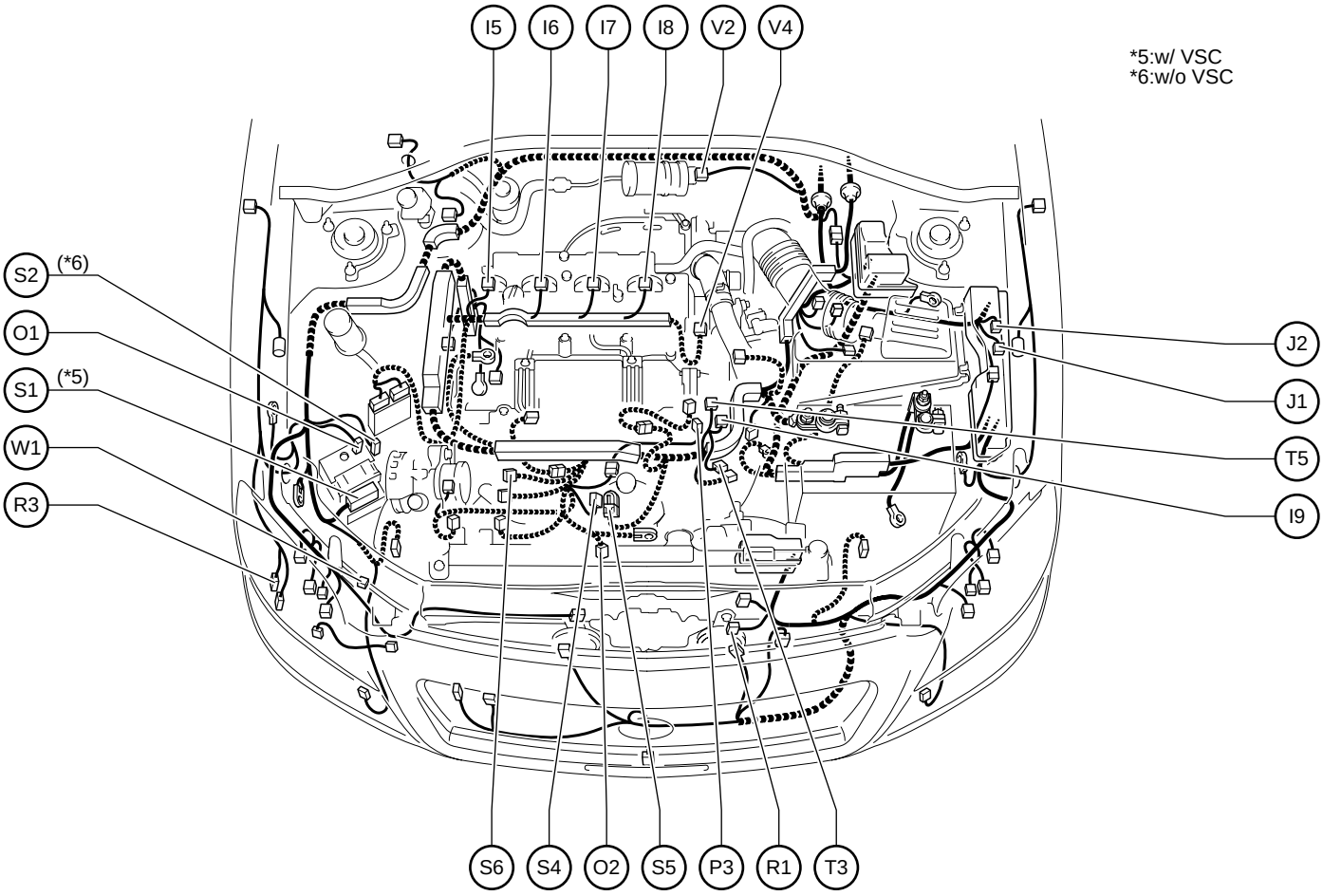
Position of Parts in Engine Compartment

[RHD : 1CD–FTV]



I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 9 Intake Air Temp. Sensor

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 3 Pressure Discharge Valve

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter
S 6 Suction Control Valve

T 3 Throttle Position SW
T 5 Turbo Pressure Sensor

V 2 Vacuum SW
V 4 VRV (EGR)

W 1 Water Temp. SW (Radiator Fan)

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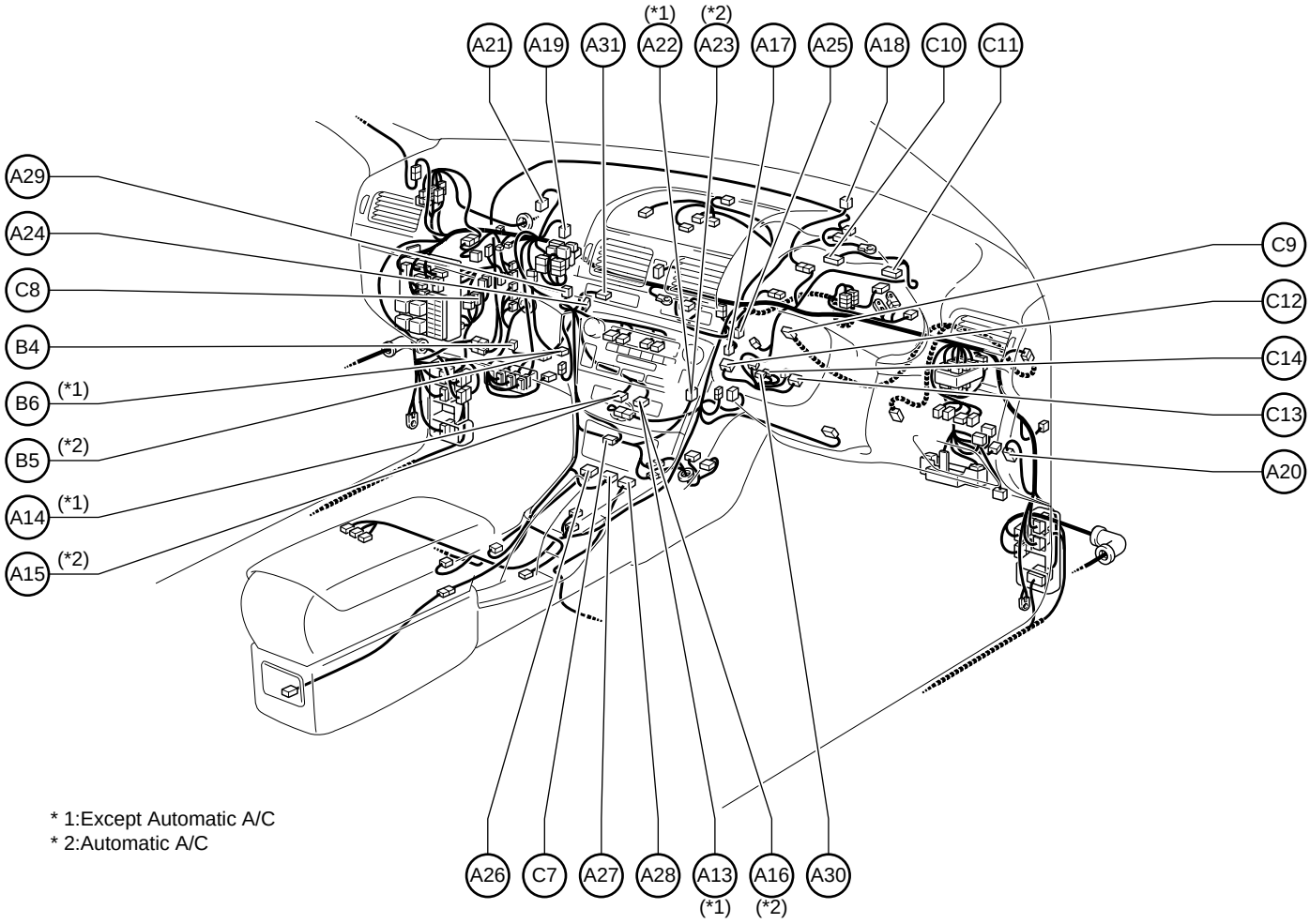
Position of Parts in Instrument Panel

[RHD]



* 1:Except Automatic A/C
* 2:Automatic A/C

A13 A/C Control Assembly
A14 A/C Control Assembly
A15 A/C Control Assembly
A16 A/C Control Assembly
A17 A/C Room Temp. Sensor
A18 A/C Solar Sensor
A19 A/C Thermistor
A20 Accel Position Sensor
A21 Air Inlet Control Servo Motor
A22 Air Mix Control Servo Motor
A23 Air Mix Control Servo Motor (Driver Side)
A24 Air Mix Control Servo Motor (Front Passenger Side)
A25 Air Vent Mode Control Servo Motor
A26 Airbag Sensor Assembly
A27 Airbag Sensor Assembly
A28 Airbag Sensor Assembly
A29 Airbag Squib (Front Passenger Airbag Assembly)
A30 Airbag Squib (Steering Wheel Pad)
A31 Antenna Amplifier

B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter
Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C10 Combination Meter
C11 Combination Meter
C12 Combination SW
C13 Combination SW
C14 Combination SW

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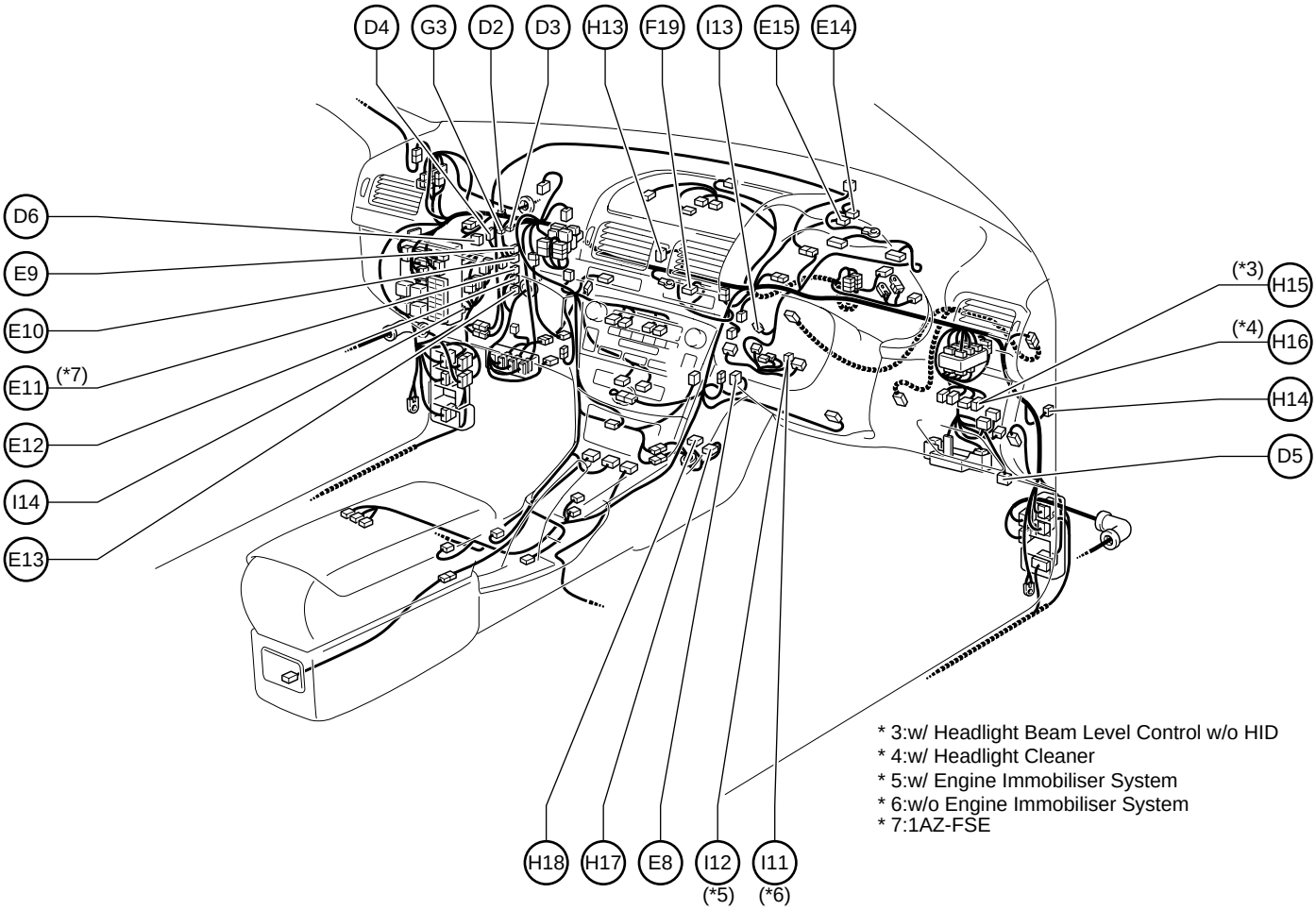
Position of Parts in Instrument Panel

[RHD]



D 2 Diode
D 3 Diode
D 4 Diode (Fan)
D 5 DLC3
D 6 Door Control Receiver

E 8 ECT Pattern Select SW
E 9 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 10 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 11 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 12 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 13 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 14 EPS ECU
E 15 EPS ECU

F 19 Front Passenger's Seat Belt Warning Light
Rear Window Defogger SW
Security Indicator Light

G 3 Glove Box Light

H13 Hazard SW
H14 Headlight Beam Level Control ECU
H15 Headlight Beam Level Control SW
H16 Headlight Cleaner SW
H17 Heated Oxygen Sensor (Bank 1 Sensor 2)
H18 Height Control Sensor (Front)

I 11 Ignition Key Cylinder Light
I 12 Ignition Key Cylinder Light
Transponder Key Amplifier
I 13 Ignition SW
I 14 Integration Relay

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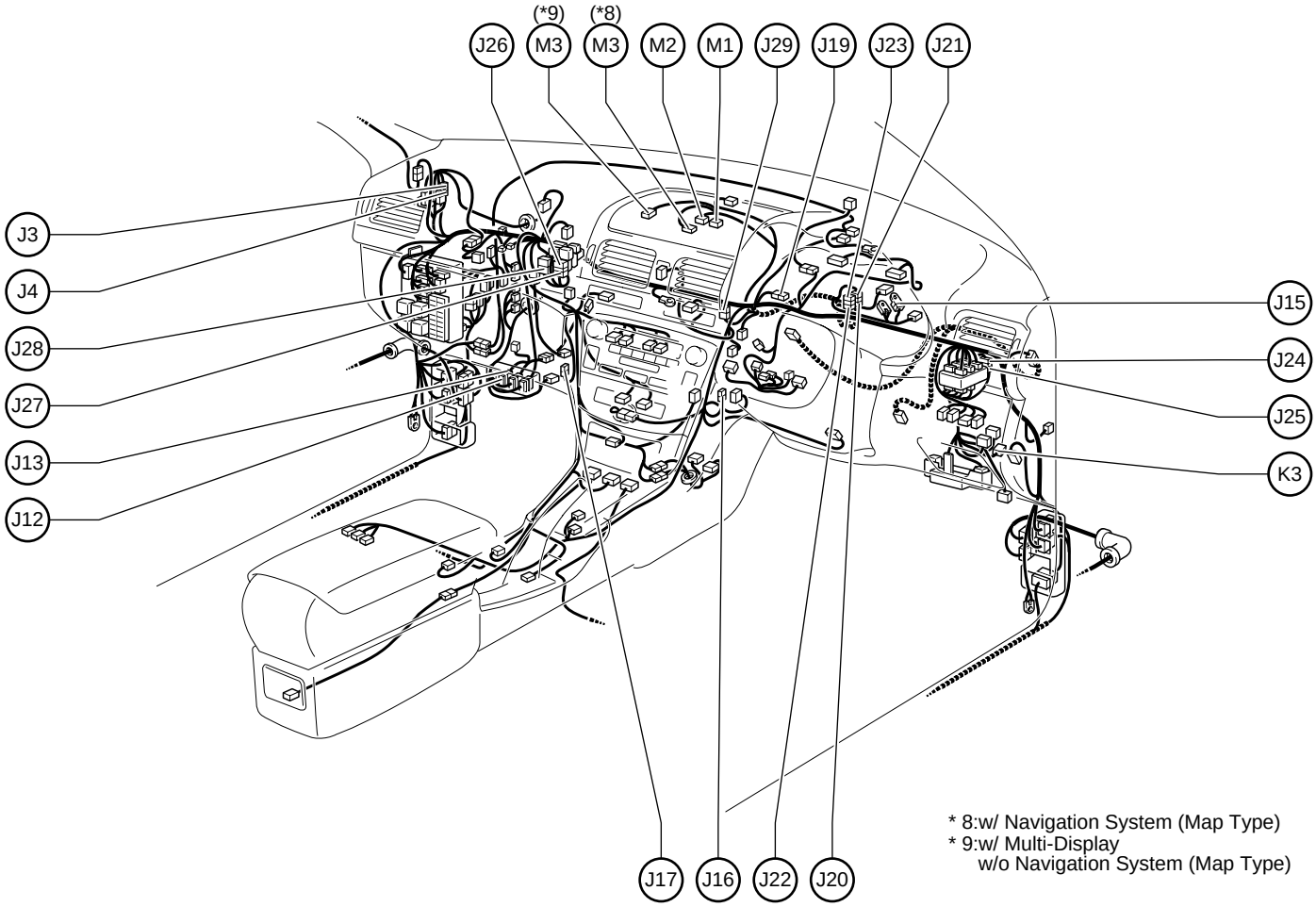
Position of Parts in Instrument Panel

[RHD]



J 3 Junction Connector
J 4 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector
J 19 Junction Connector
J 20 Junction Connector
J 21 Junction Connector
J 22 Junction Connector
J 23 Junction Connector
J 24 Junction Connector
J 25 Junction Connector
J 26 Junction Connector
J 27 Junction Connector
J 28 Junction Connector
J 29 Junction Connector

K 3 Knee Airbag Squib

M 1 Multi–Display
M 2 Multi–Display
M 3 Multi–Display

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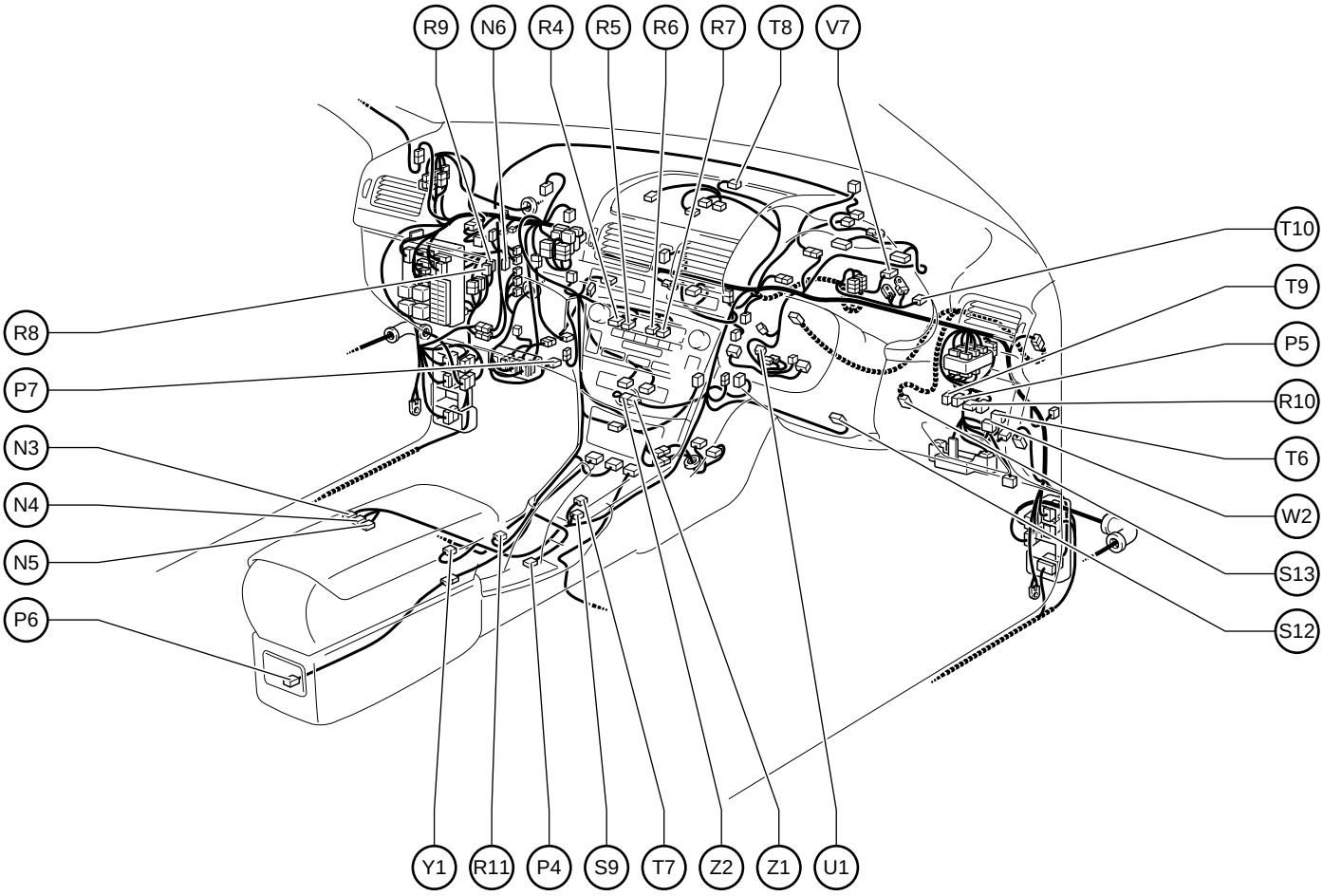
Position of Parts in Instrument Panel

[RHD]



N 3 Navigation ECU
N 4 Navigation ECU
N 5 Navigation ECU
N 6 Noise Filter (Rear Window Defogger No.1)

P 4 Parking Brake SW
P 5 Power Heater SW
P 6 Power Outlet
P 7 PTC Heater

R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Rear Fog Light Relay
R 9 Rear Window Defogger Relay
R10 Remote Control Mirror SW
R11 Remote Controller (Navigation)

S 9 Shift Lock Control ECU
S12 Steering Sensor
S13 Stop Light SW

T 6 Theft Deterrent ECU
T 7 Transmission Control SW
T 8 Transponder Key Computer
T 9 TRC Off SW
T10 Turn Signal Flasher Relay

U 1 Unlock Warning SW

V 7 VSC Warning Buzzer

W 2 Wiper Relay

Y 1 Yaw Rate Sensor

Z 1 Option Connector (Navigation ECU)
Z 2 Option Connector (Navigation ECU)

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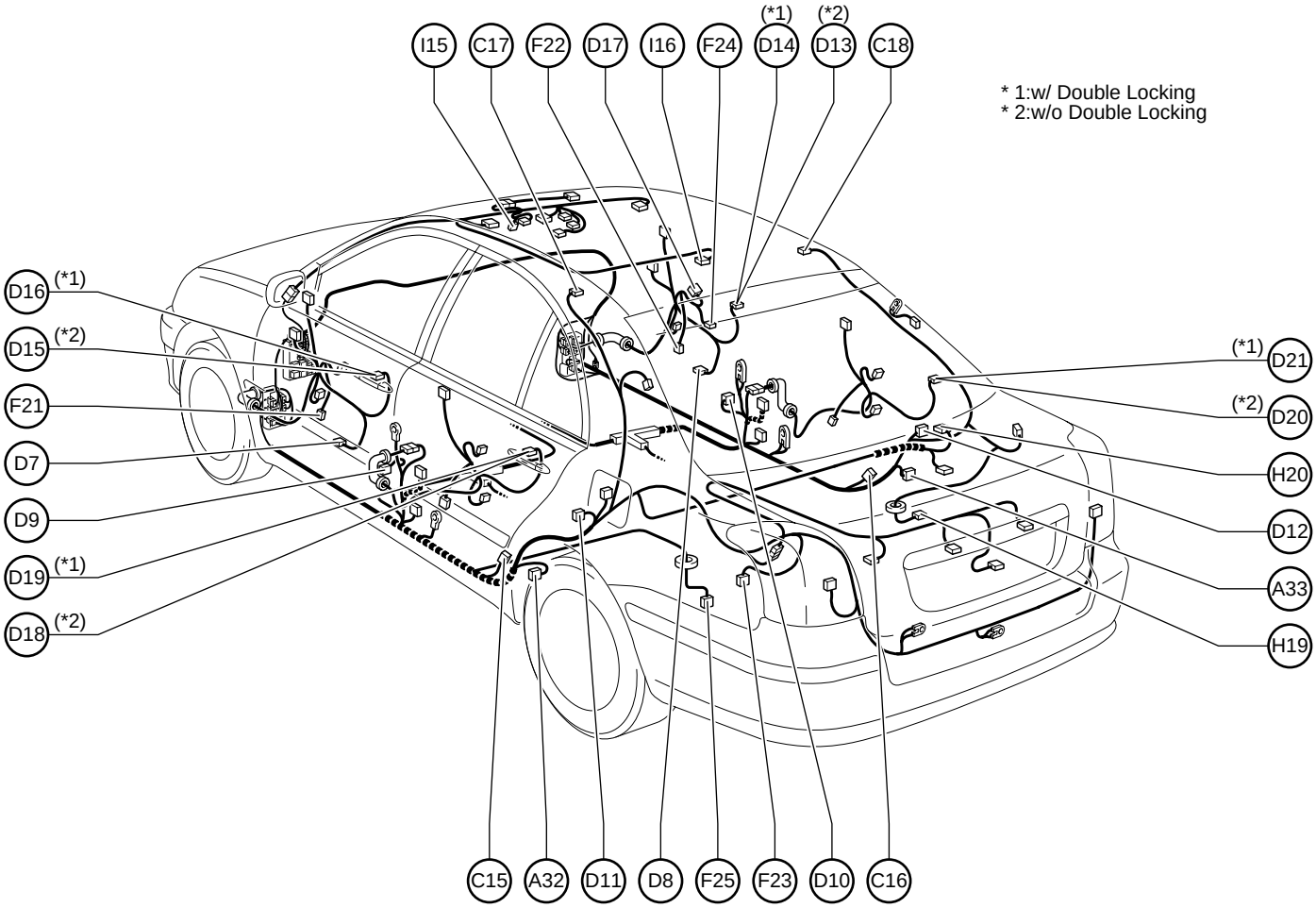
Position of Parts in Body

[RHD : S/D]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D20 Door Lock Motor Rear RH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

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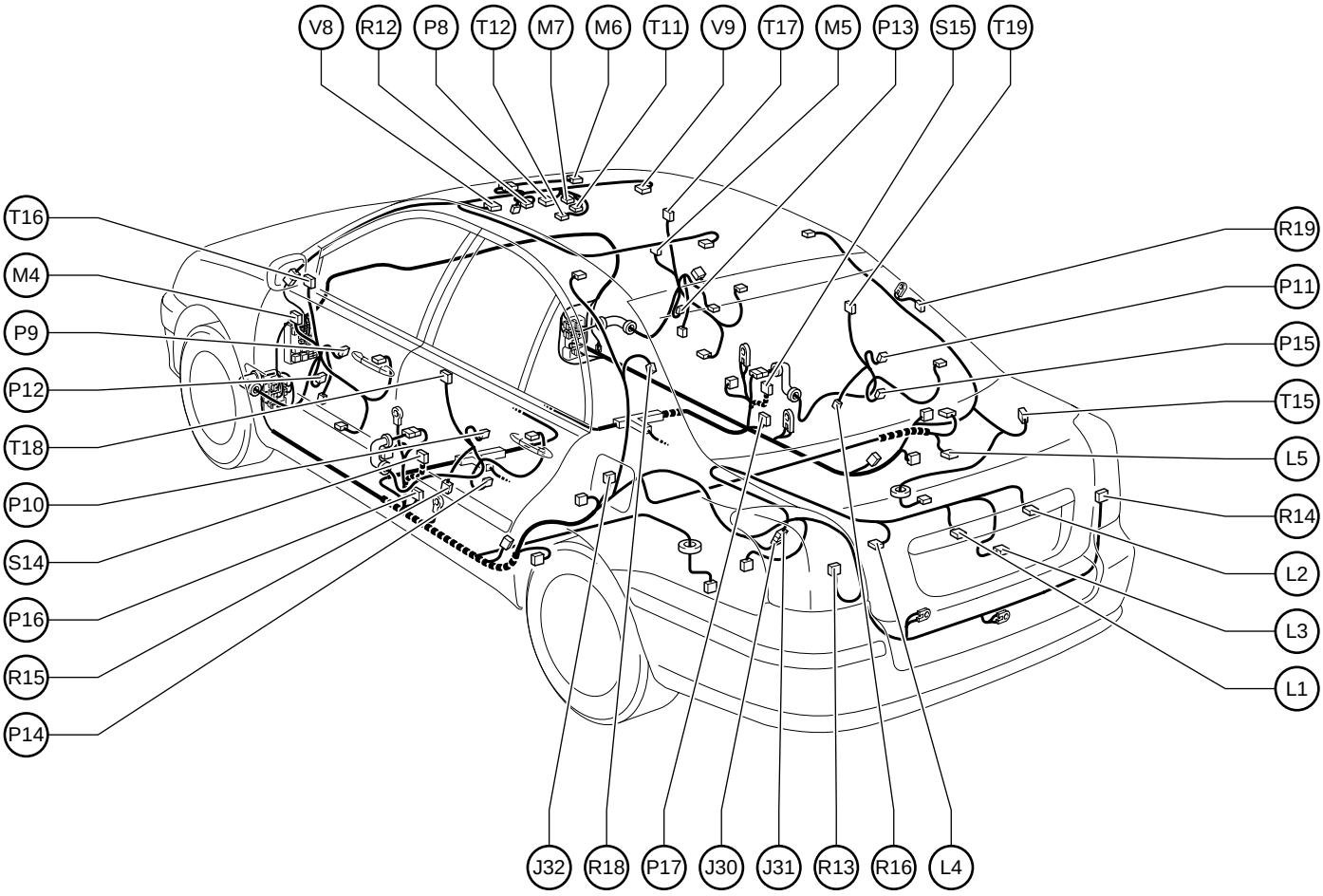
Position of Parts in Body

[RHD : S/D]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH
L 3 Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4 Luggage Compartment Door Opener SW
L 5 Luggage Compartment Light

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 18 Rear Window Defogger
R 19 Rear Window Defogger

S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

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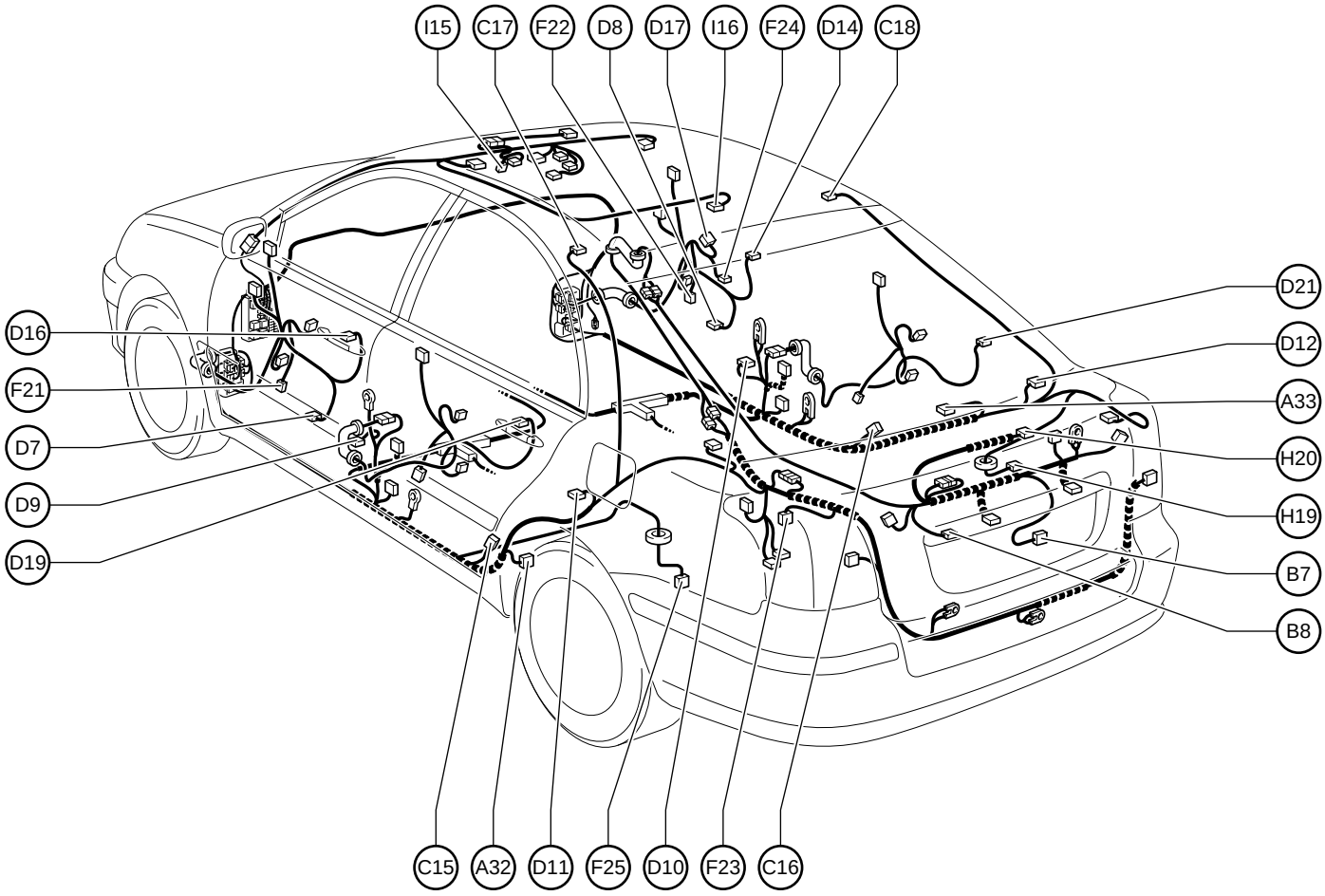
Position of Parts in Body

[RHD : L/B]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

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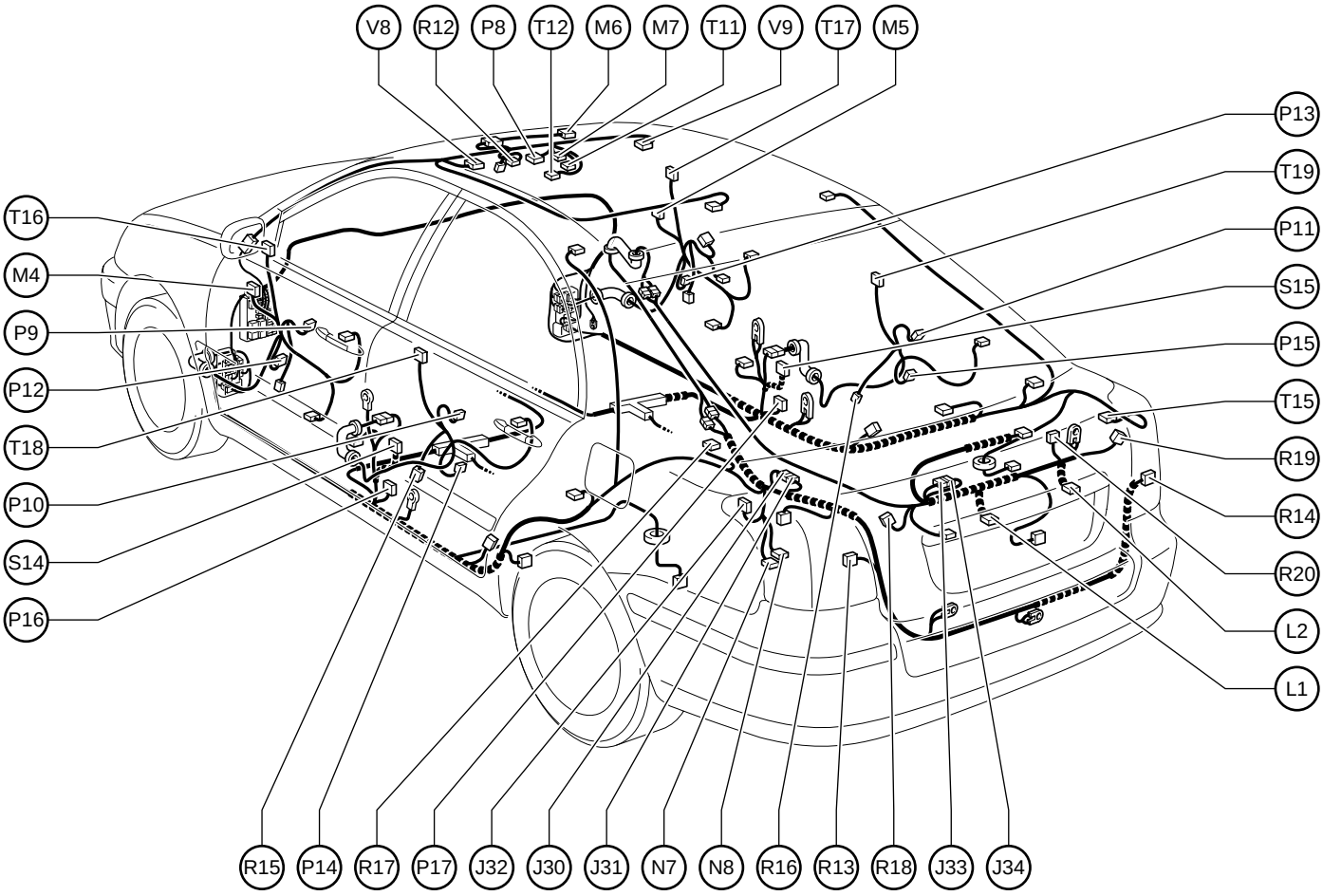
Position of Parts in Body

[RHD : L/B]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

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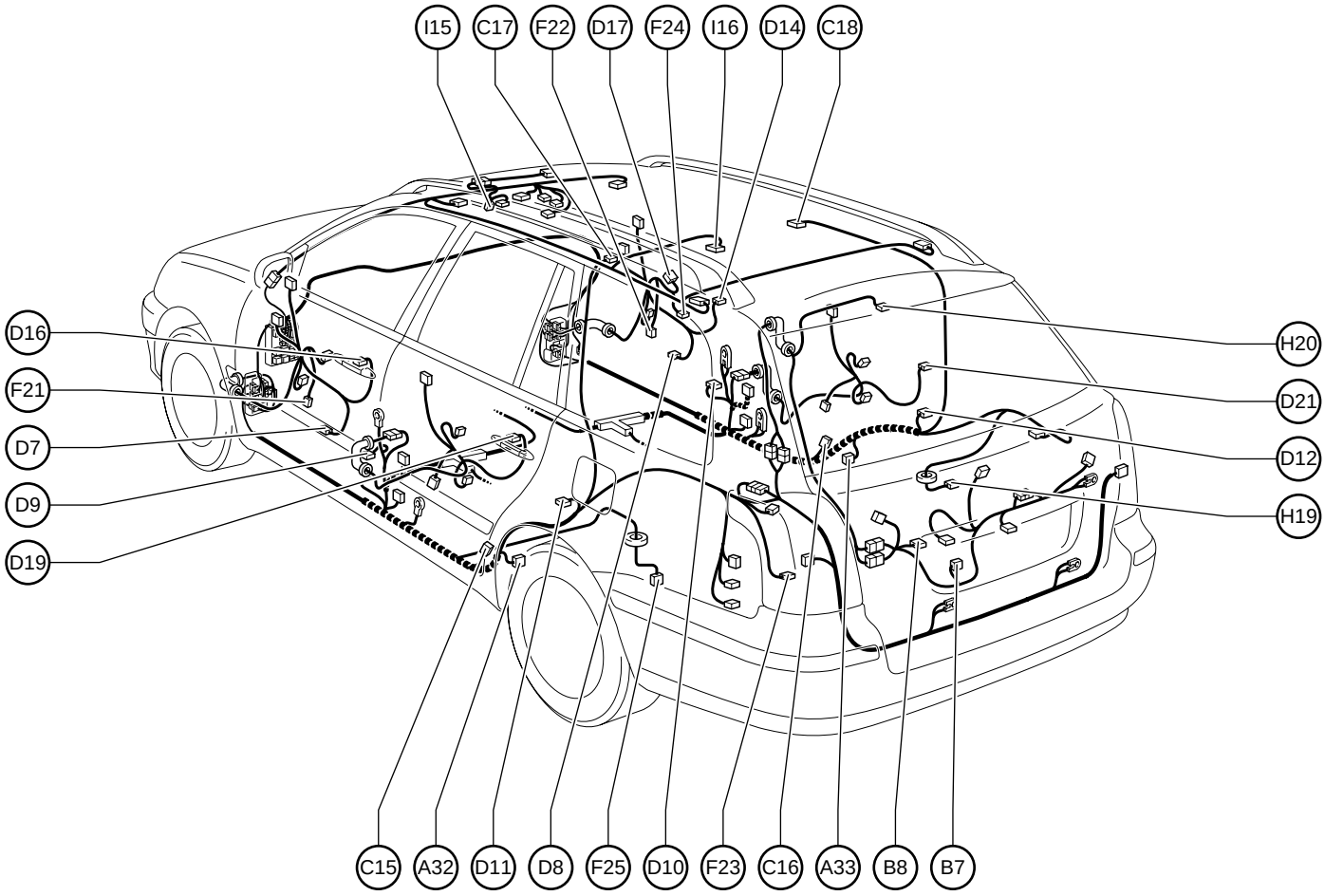
Position of Parts in Body

[RHD : W/G]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

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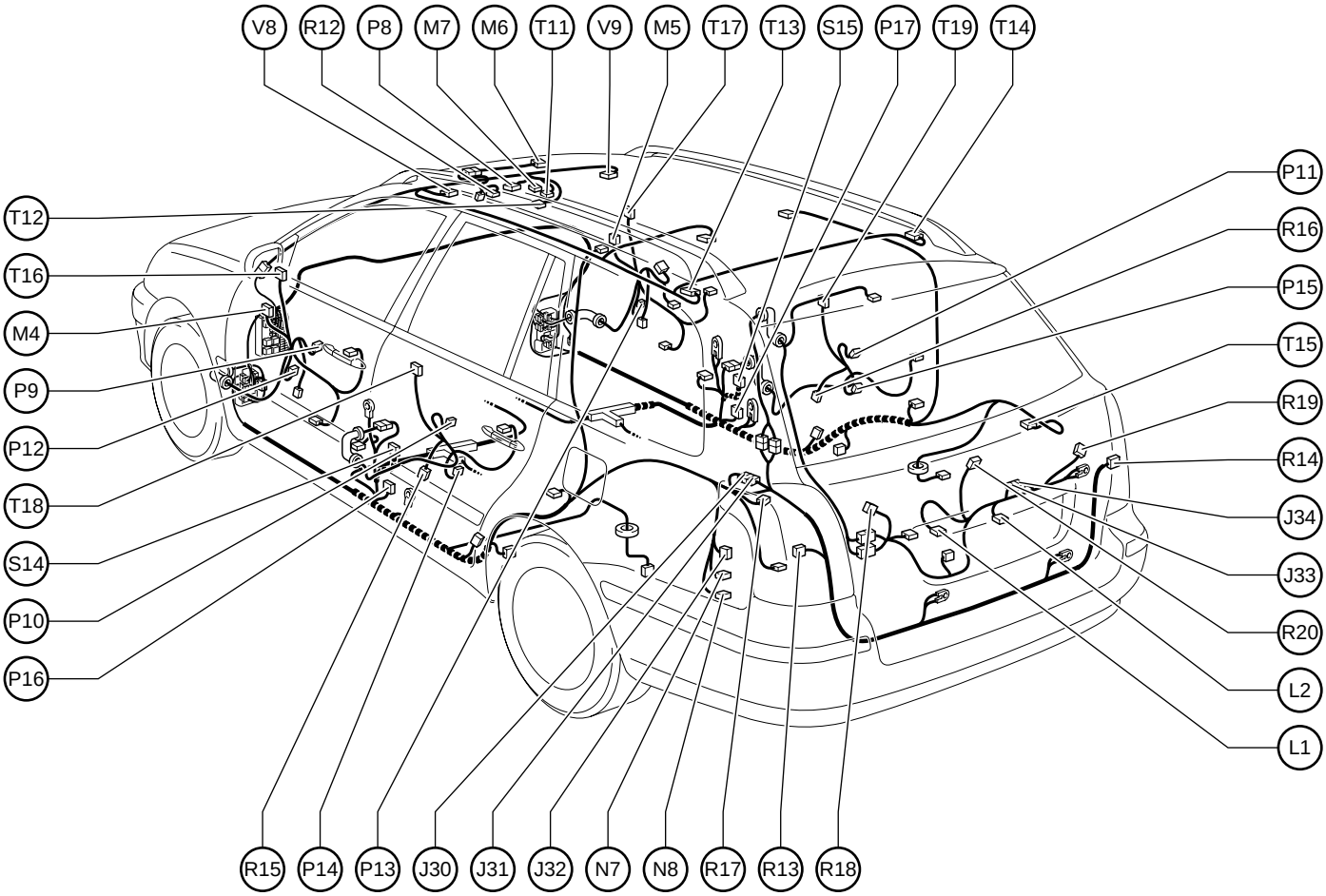
Position of Parts in Body

[RHD : W/G]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 13 Theft Warning Ultrasonic Sensor Rear LH
T 14 Theft Warning Ultrasonic Sensor Rear RH
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

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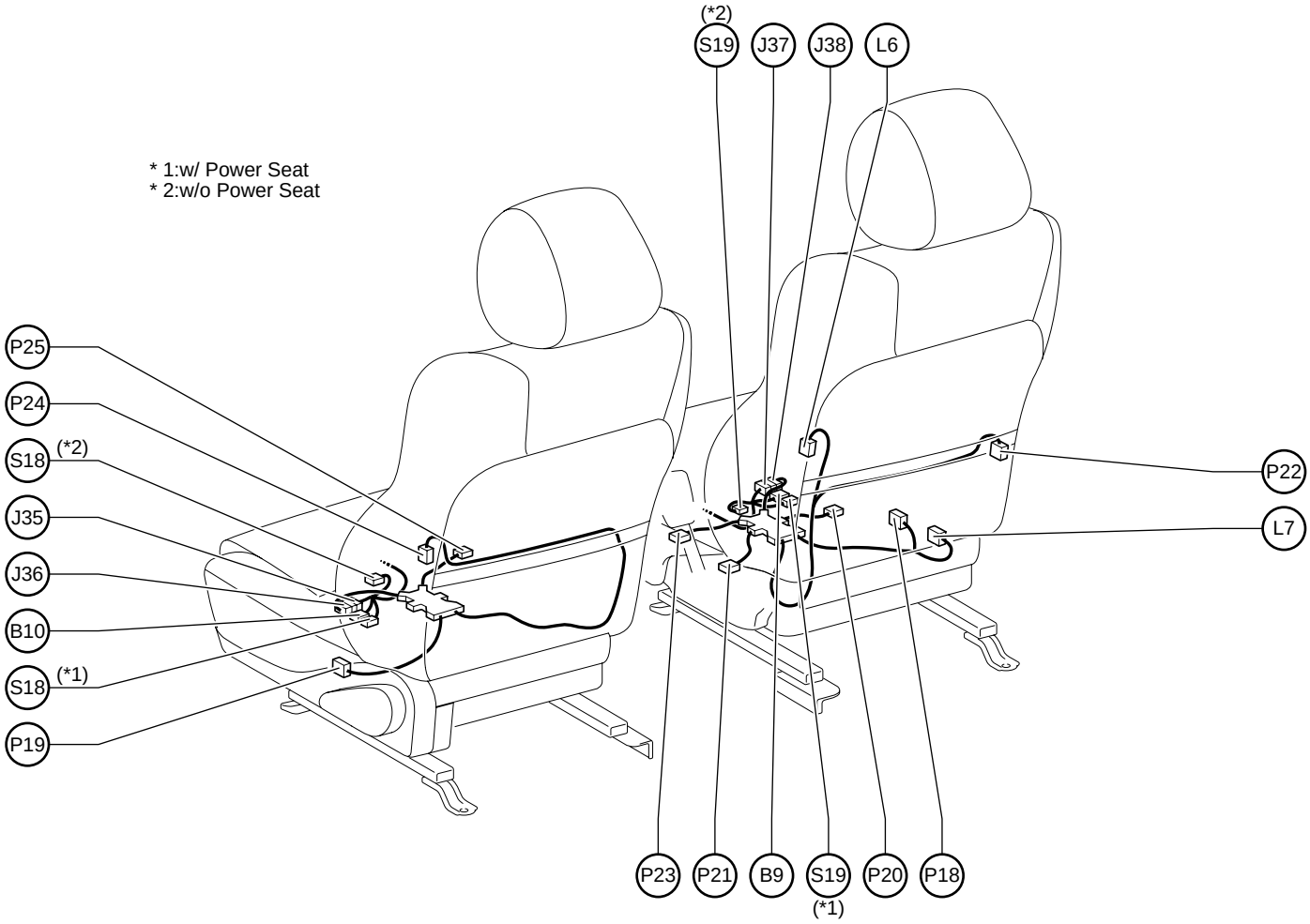
Position of Parts in Seat

[RHD]



B 9 Buckle SW (Driver's Side)
B 10 Buckle SW (Front Passenger's Side) Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

P 18 Power Seat Control SW (Driver's Seat)
P 19 Power Seat Control SW (Front Passenger's Seat)
P 20 Power Seat Motor (Driver's Seat Front Vertical Control)
P 21 Power Seat Motor (Driver's Seat Lifter Control)
P 22 Power Seat Motor (Driver's Seat Reclining Control)
P 23 Power Seat Motor (Driver's Seat Slide Control)
P 24 Power Seat Motor (Front Passenger's Seat Reclining Control)
P 25 Power Seat Motor (Front Passenger's Seat Slide Control)

S 18 Side Airbag Squib LH
S 19 Side Airbag Squib RH

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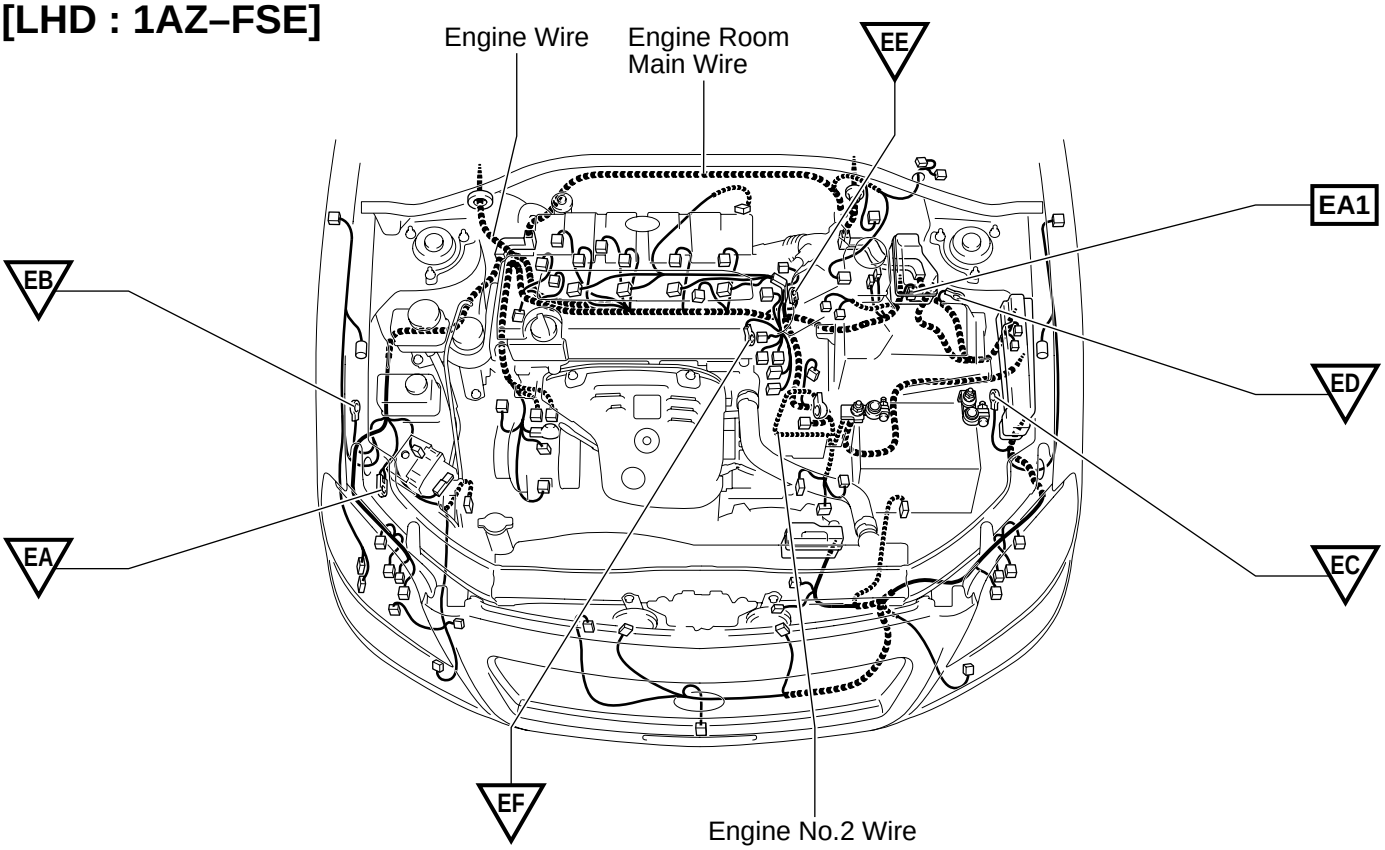
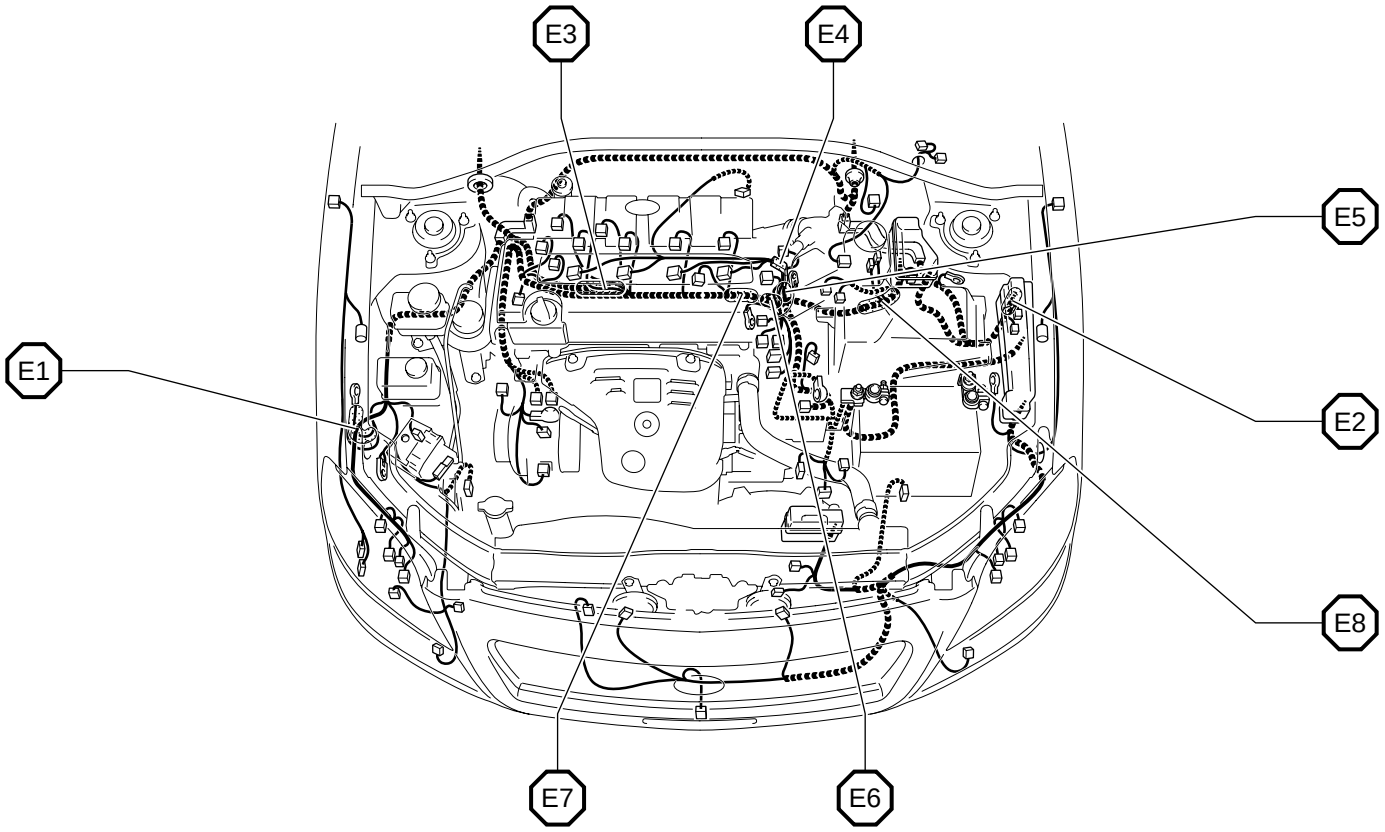
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : 1AZ–FSE]



○ : Location of Splice Points



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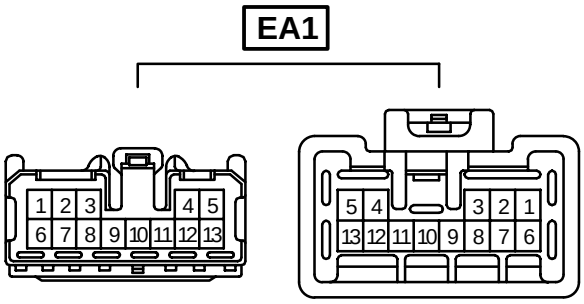
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

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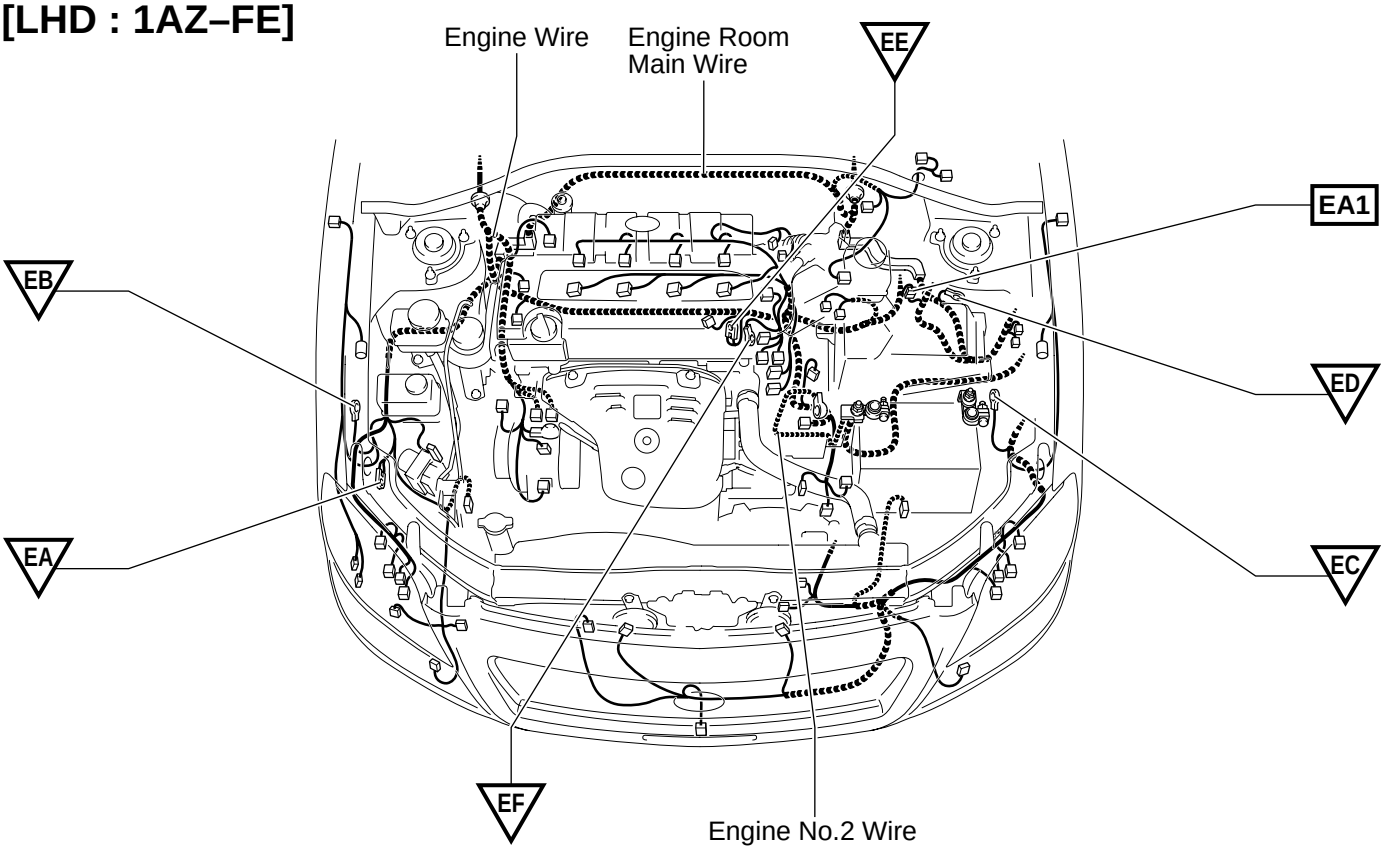
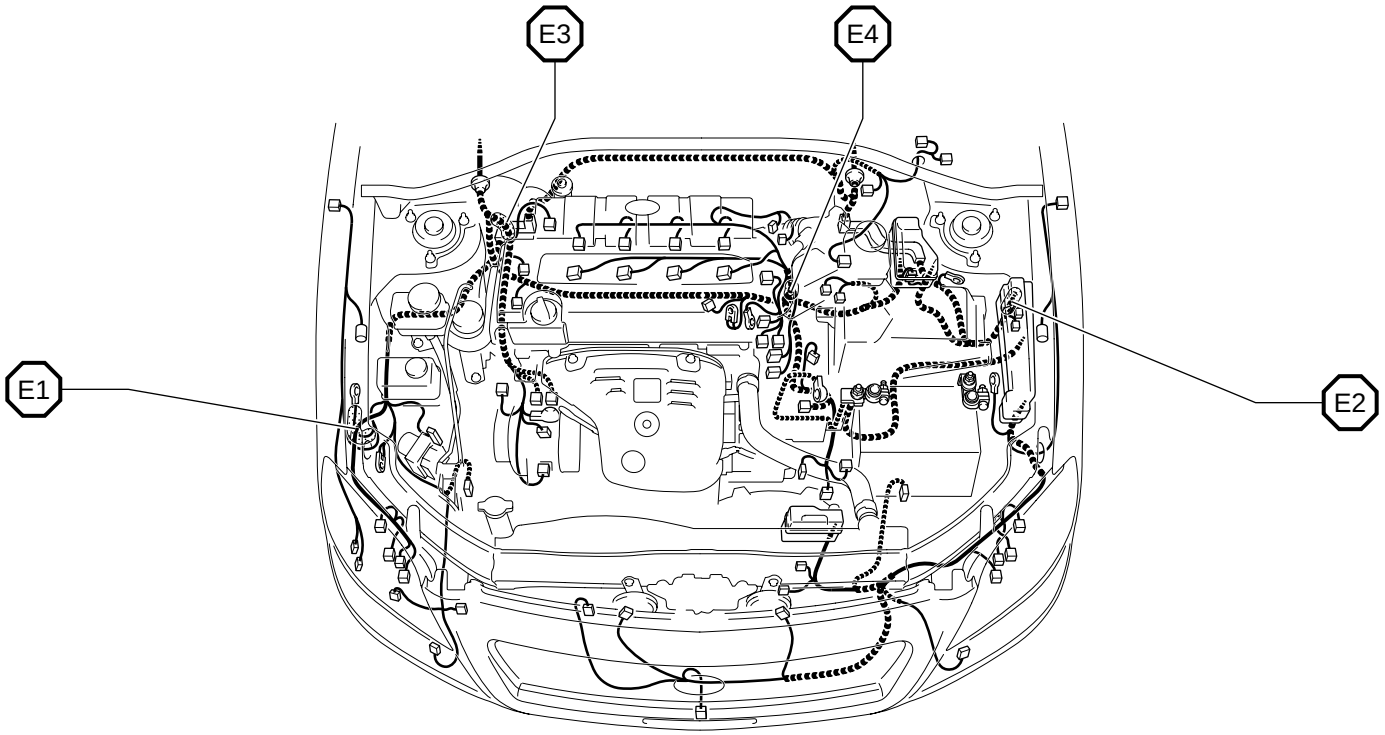
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : 1AZ–FE]



○ : Location of Splice Points



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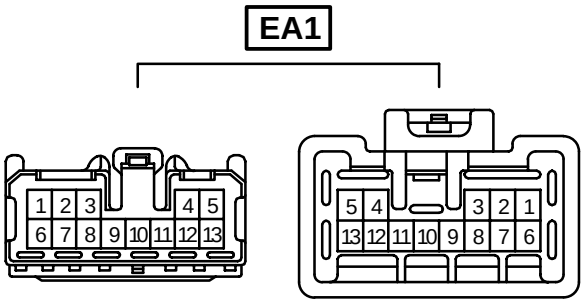
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

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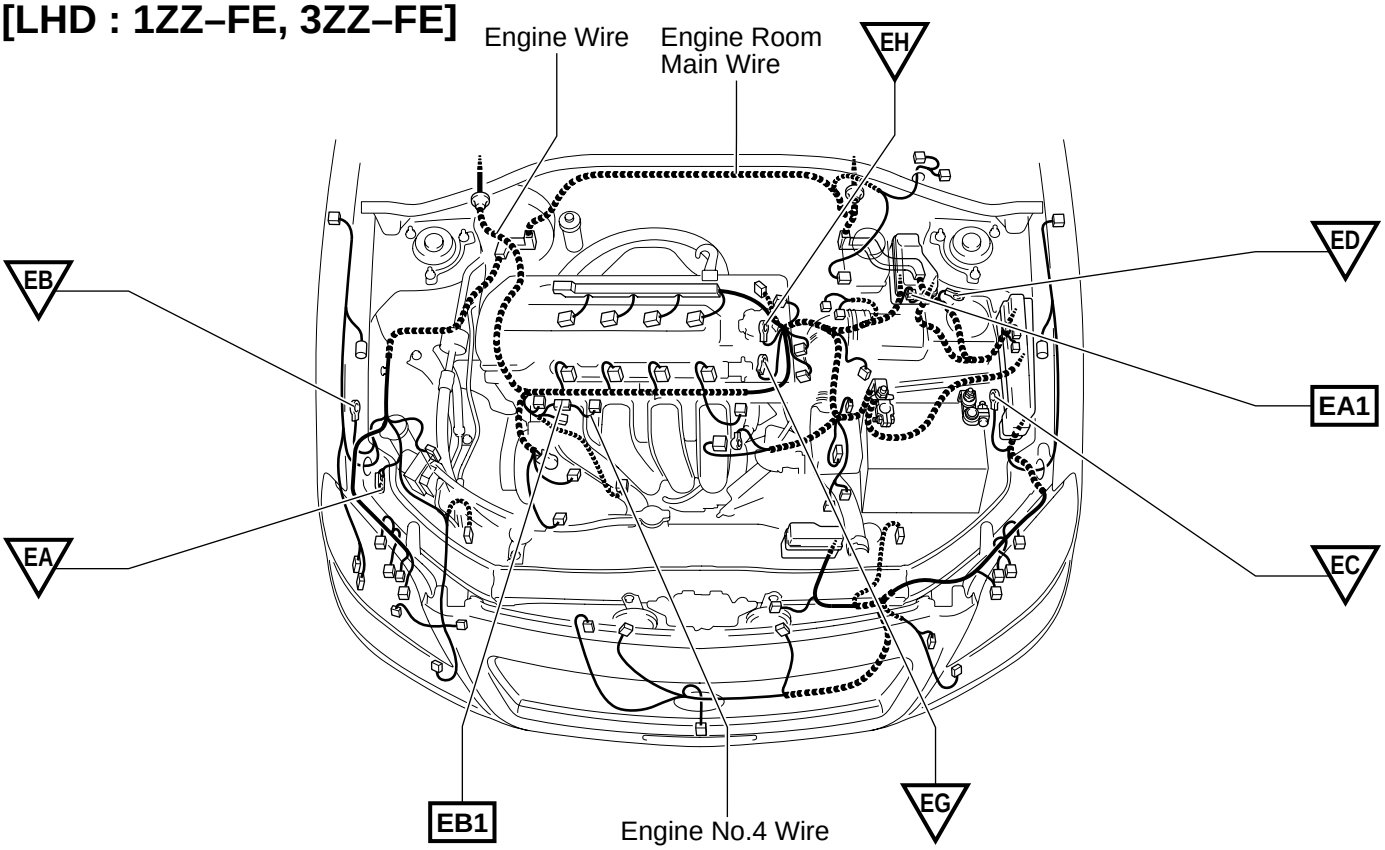
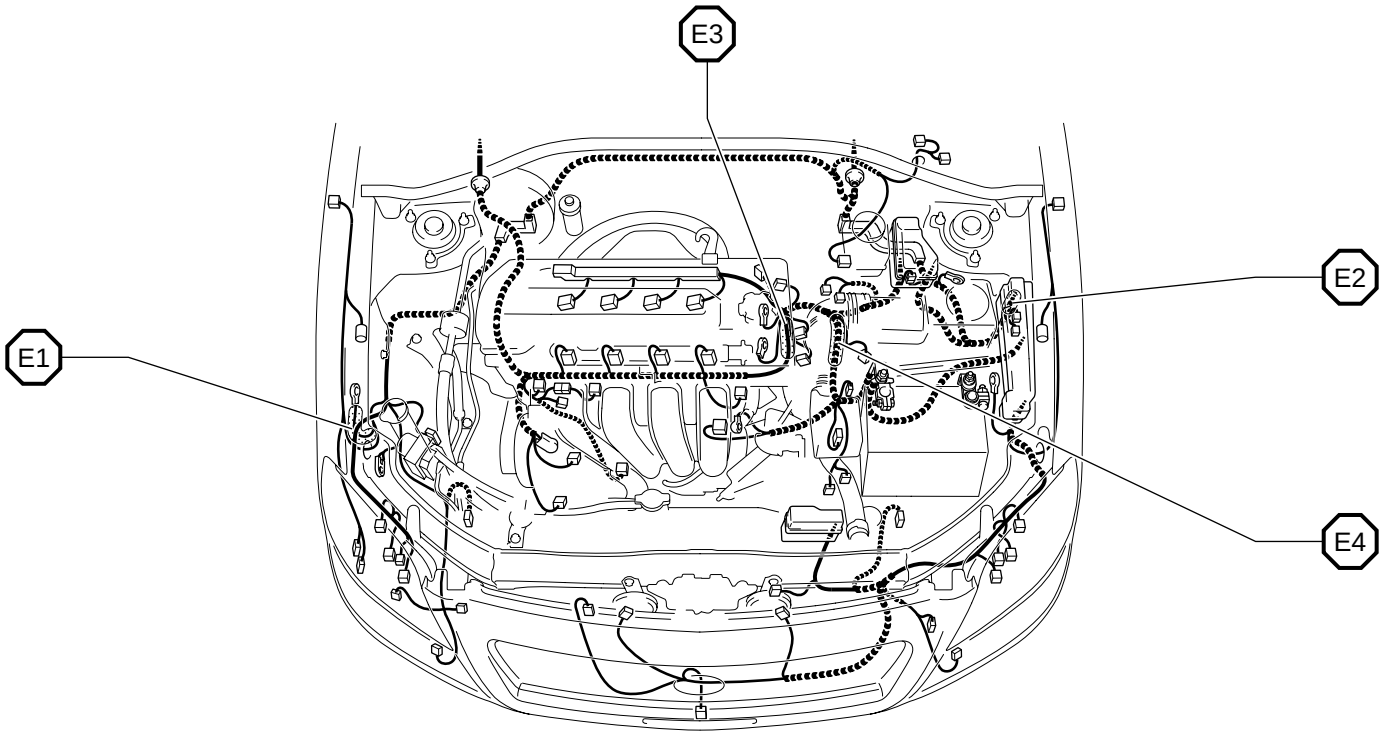
: Location of Connector Joining Wire Harness and Wire Harness
: Location of Ground Points

[LHD : 1ZZ–FE, 3ZZ–FE]



: Location of Splice Points



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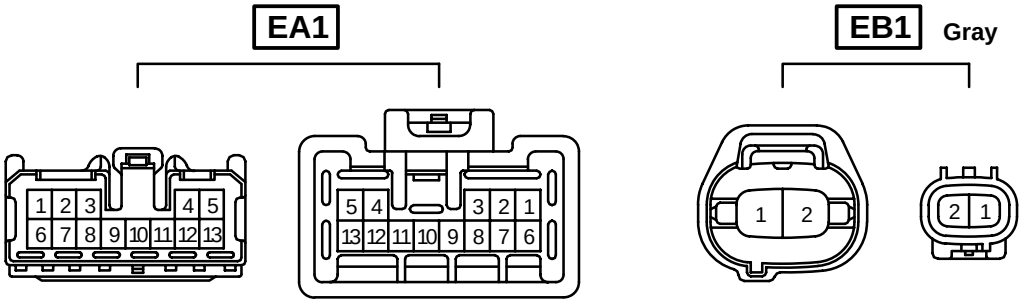
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EB1	Engine Wire and Engine No.4 Wire (Near the Alternator)

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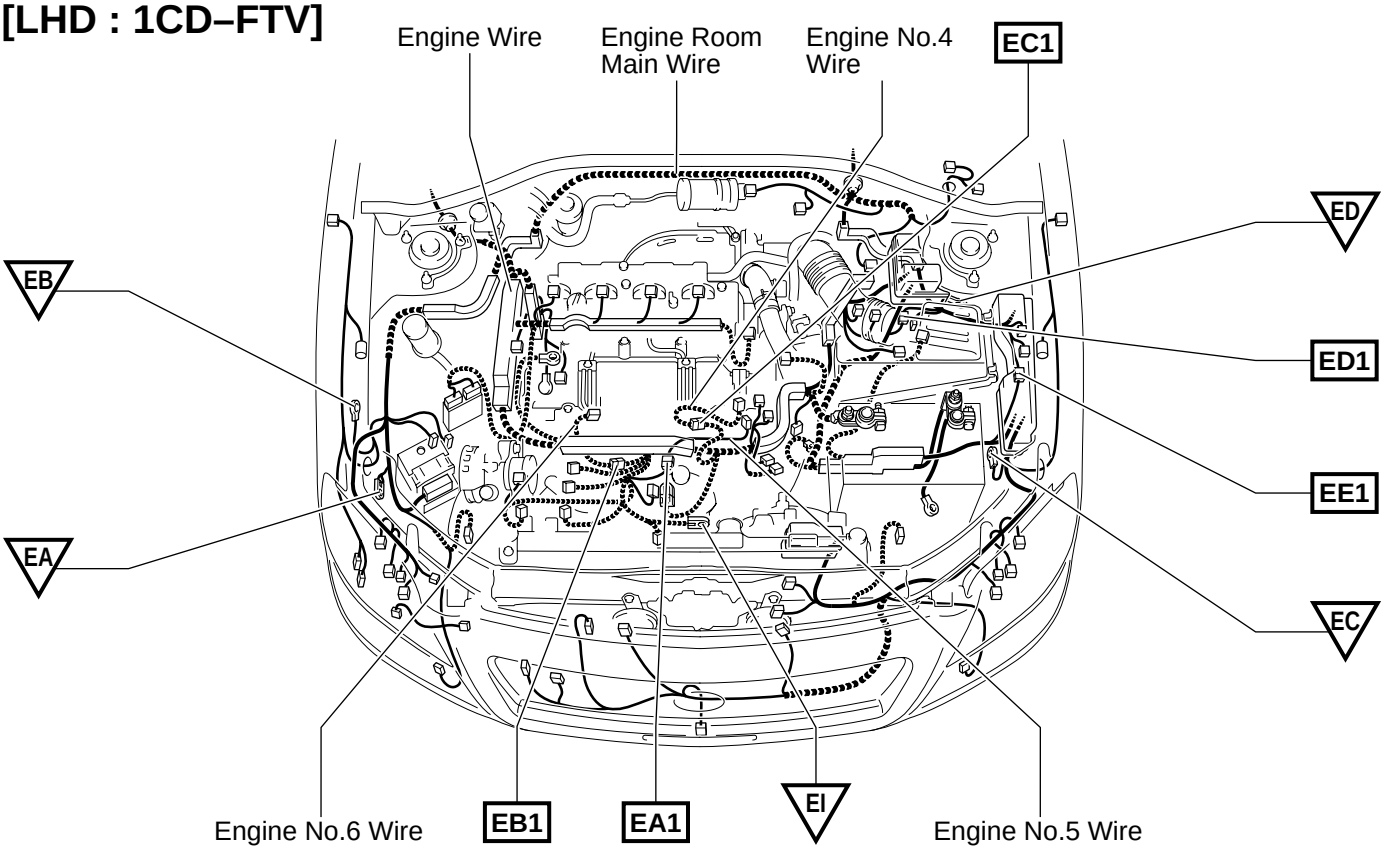
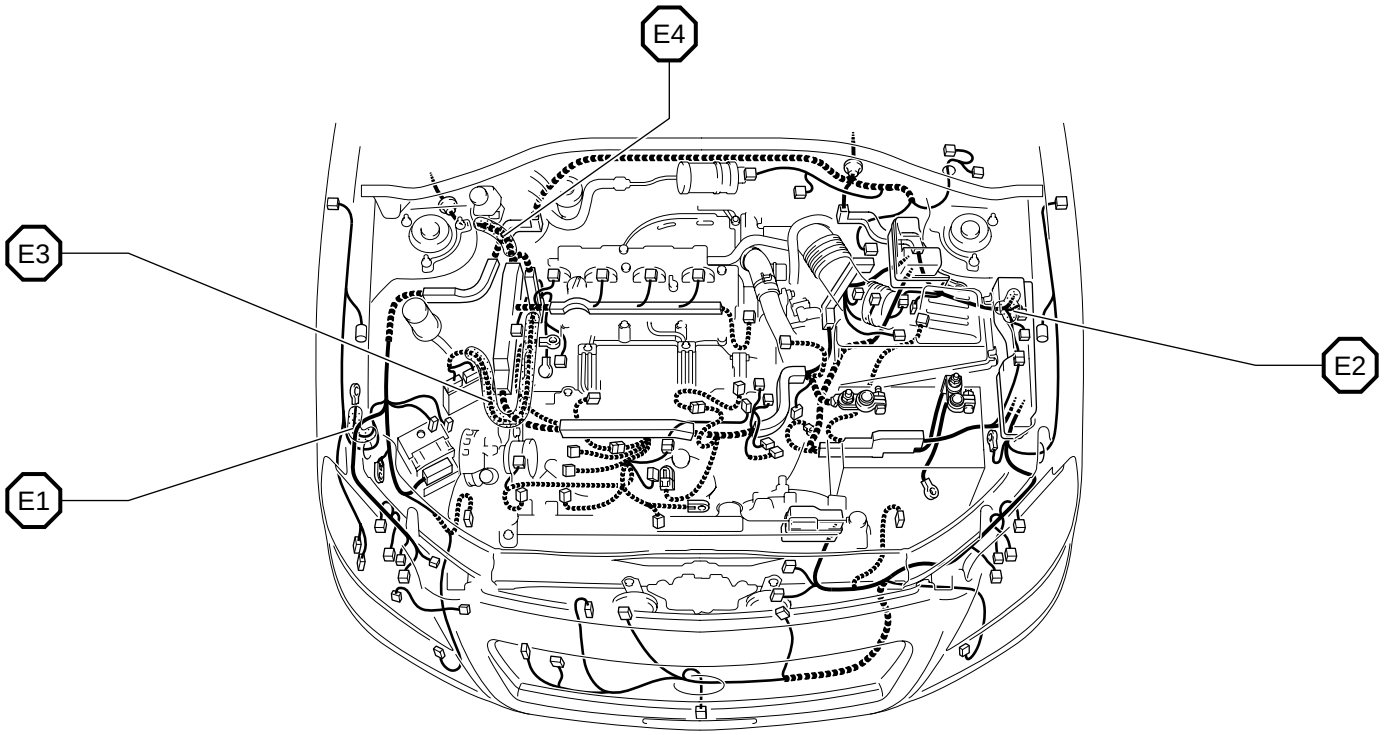
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : 1CD–FTV]



○ : Location of Splice Points



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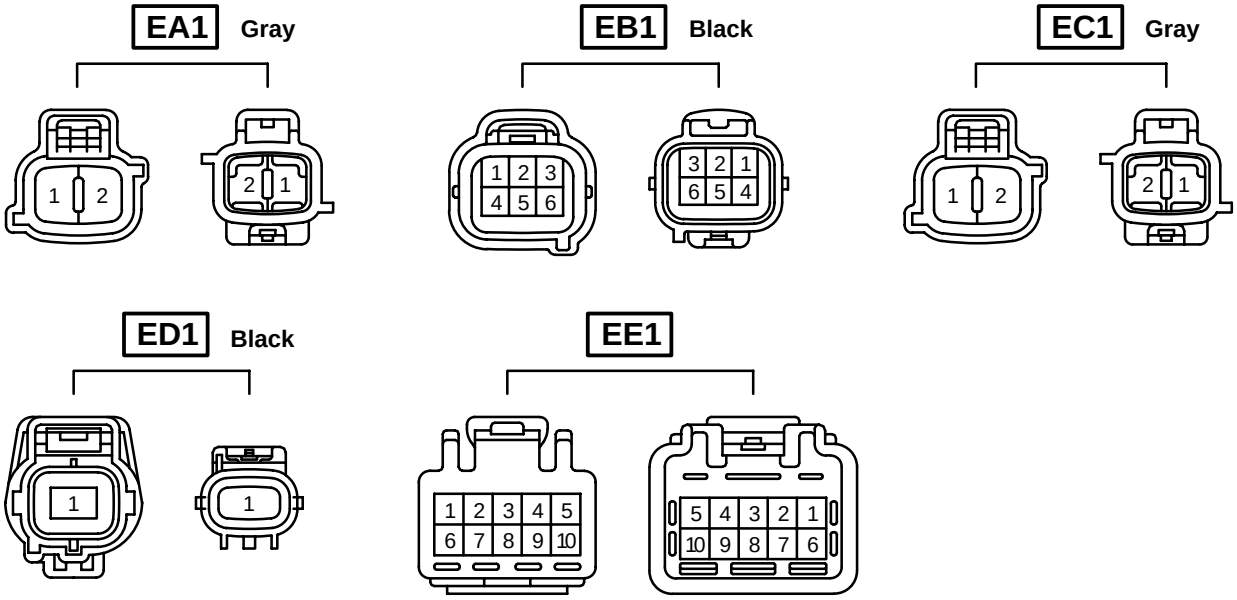
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine No.5 Wire (Near the Starter)
EB1	Engine Wire and Engine No.6 Wire (Near the Starter)
EC1	Engine Wire and Engine No.4 Wire (Near the Starter)
ED1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EE1	Engine Wire and Engine Room Main Wire (Engine Compartment Left)

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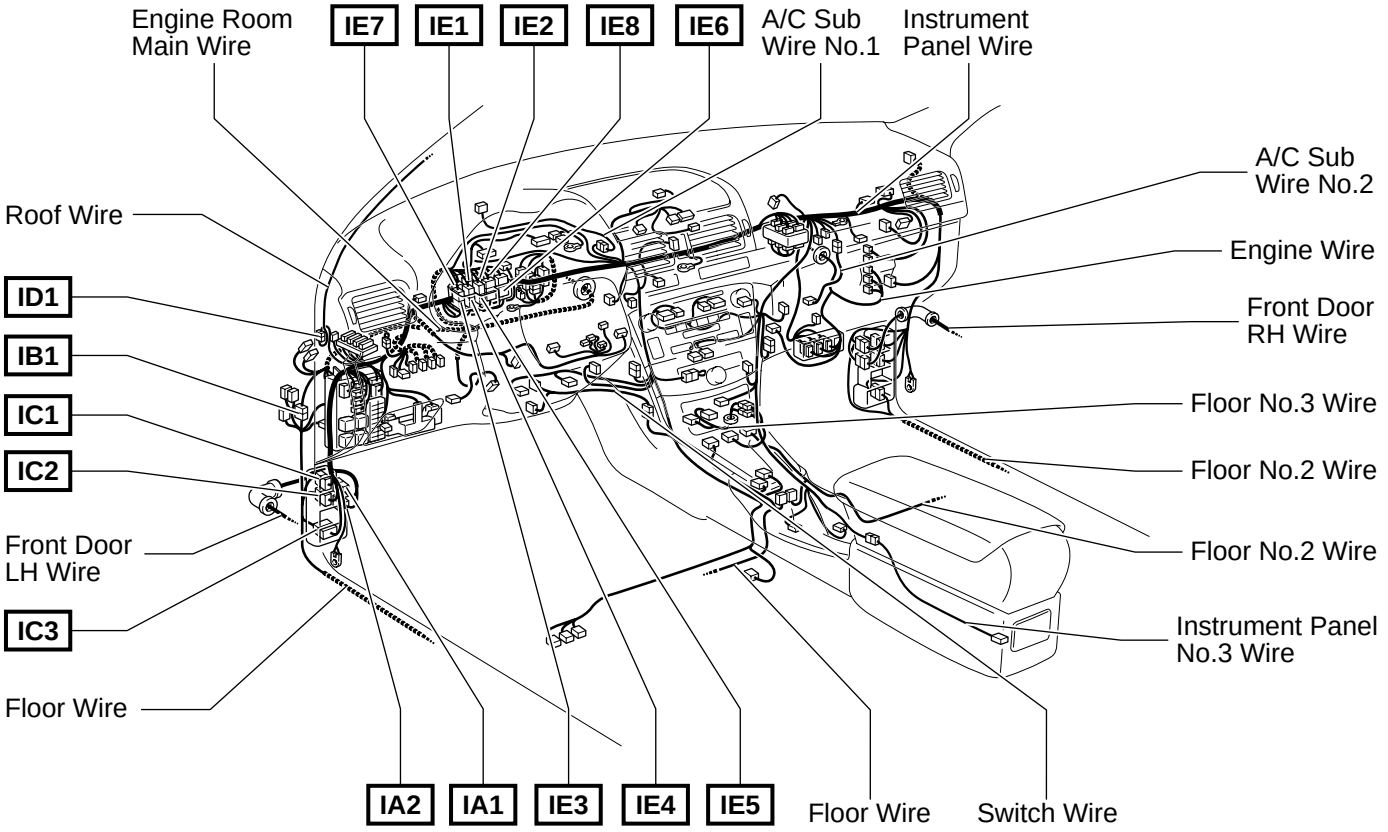
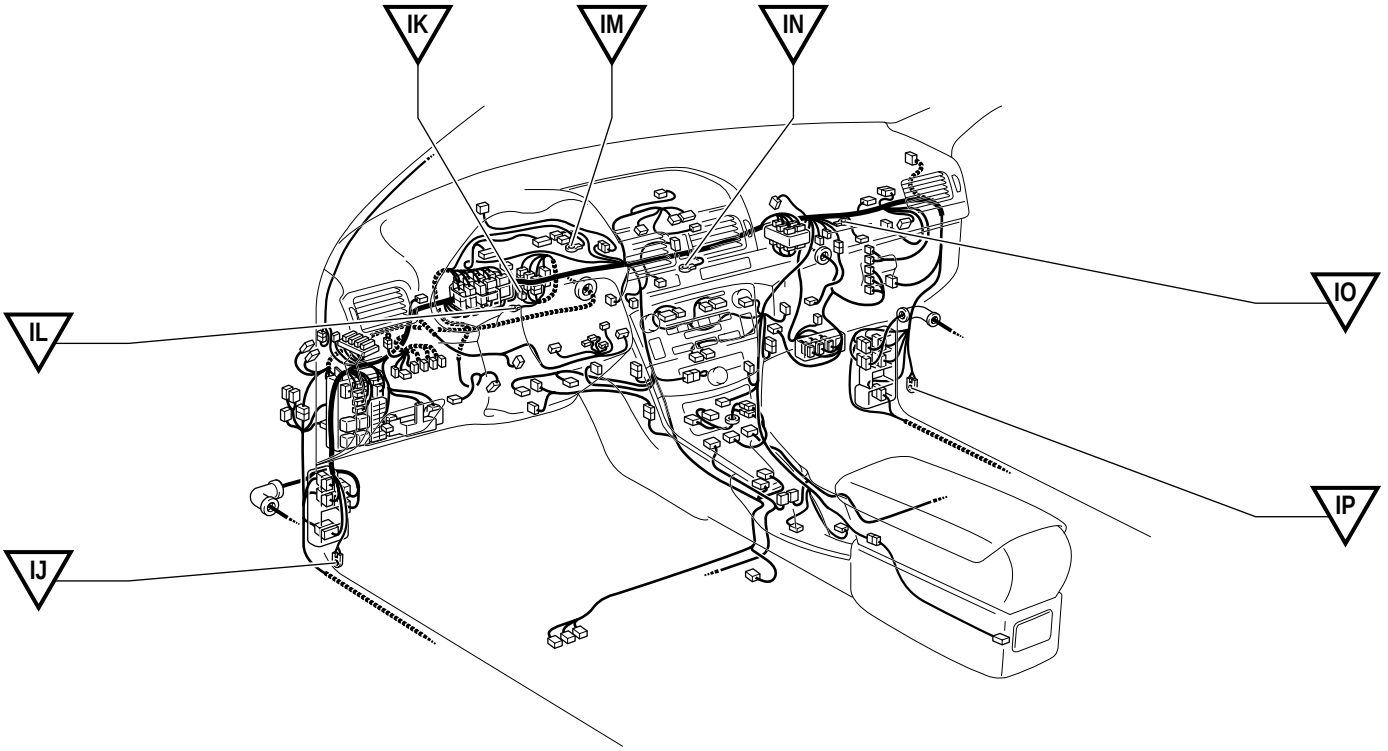
▭ : Location of Connector Joining Wire Harness and Wire Harness

[LHD]



▽ : Location of Ground Points



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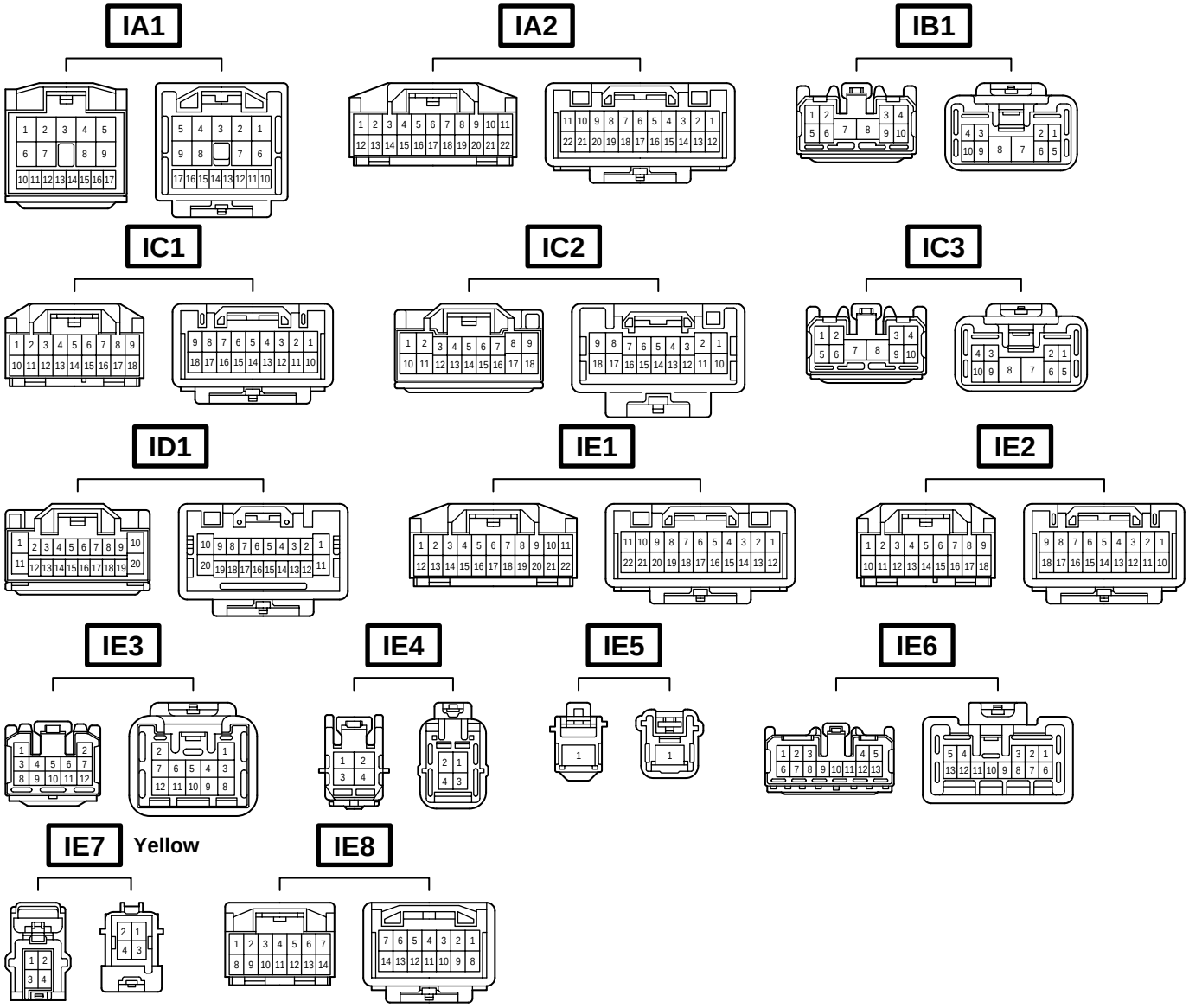
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2	
IB1	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
IC1	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2	
IC3	
ID1	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE2	
IE3	
IE4	
IE5	
IE6	
IE7	
IE8	

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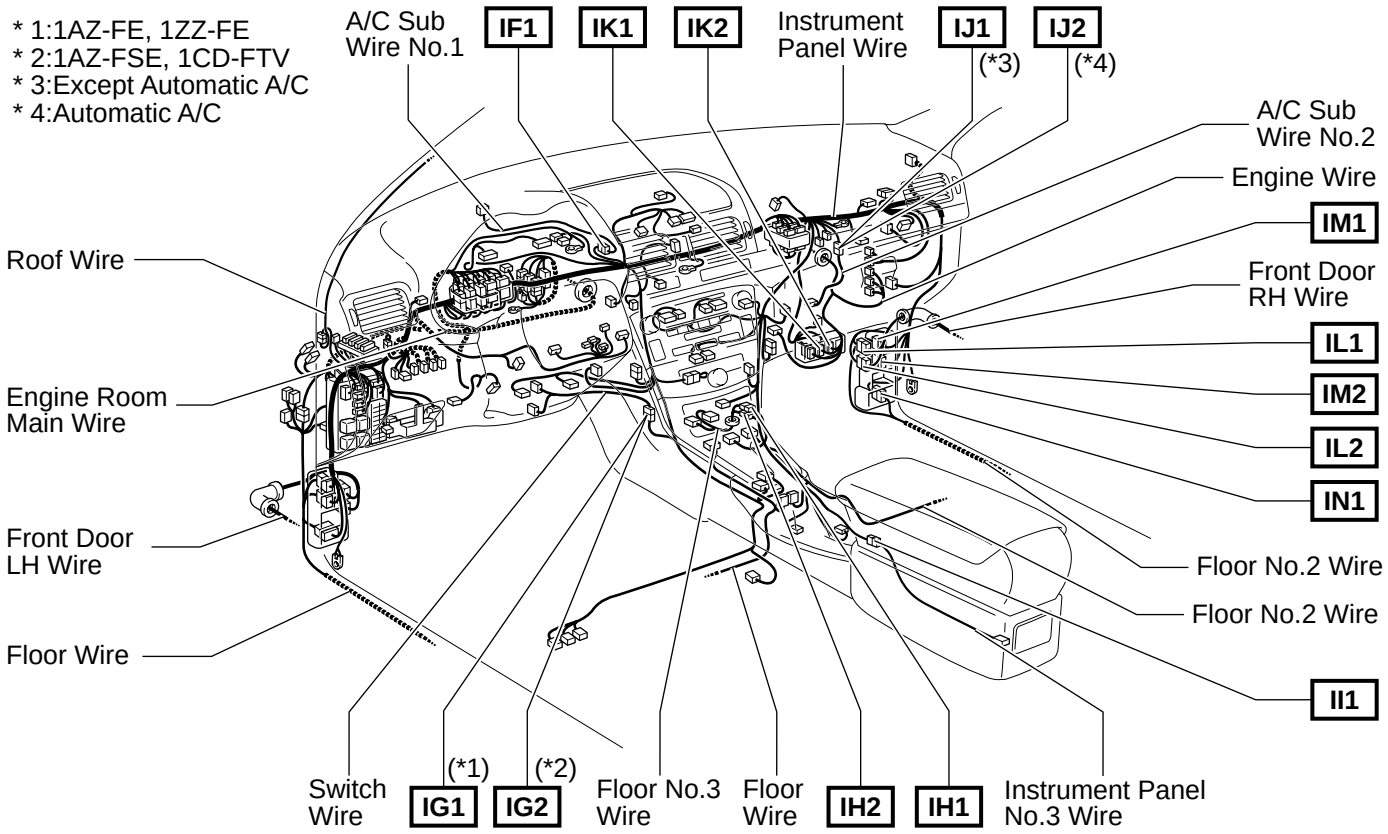
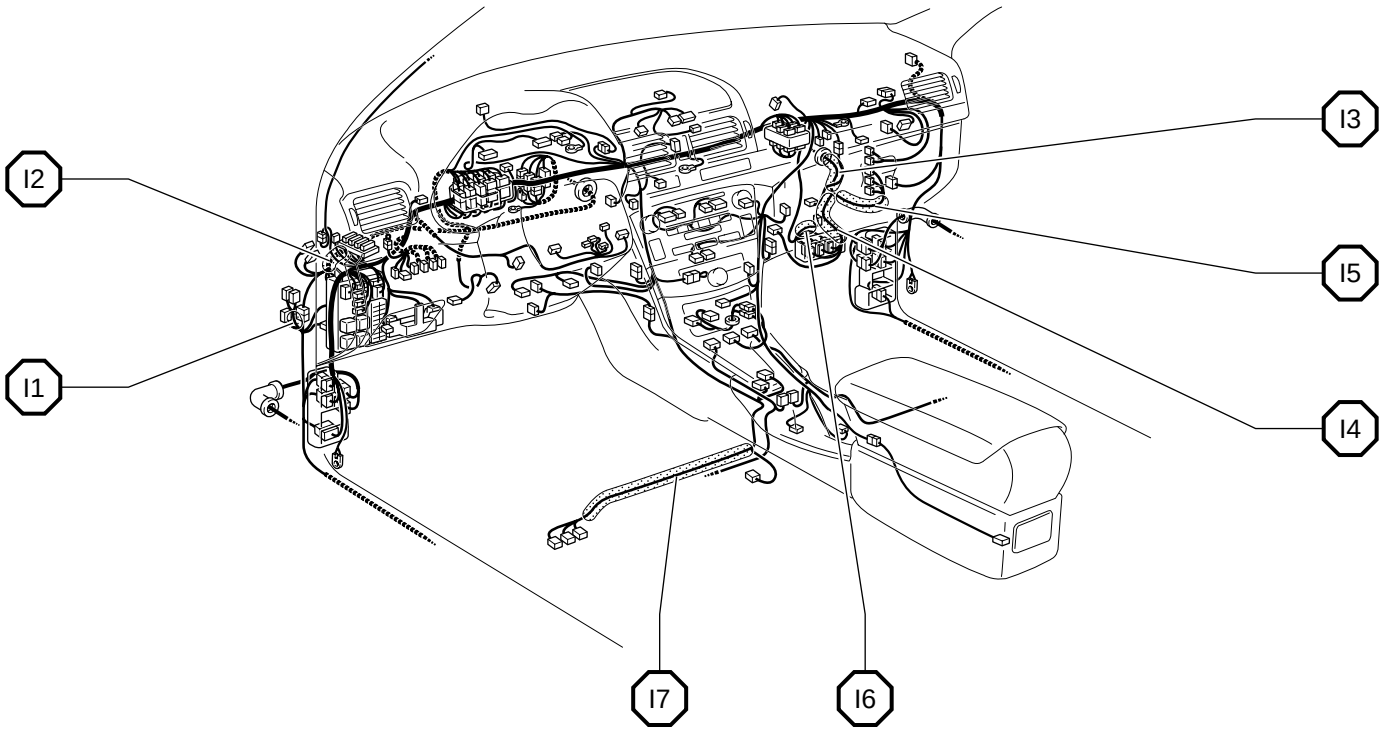
▭ : Location of Connector Joining Wire Harness and Wire Harness

[LHD]



⬡ : Location of Splice Points



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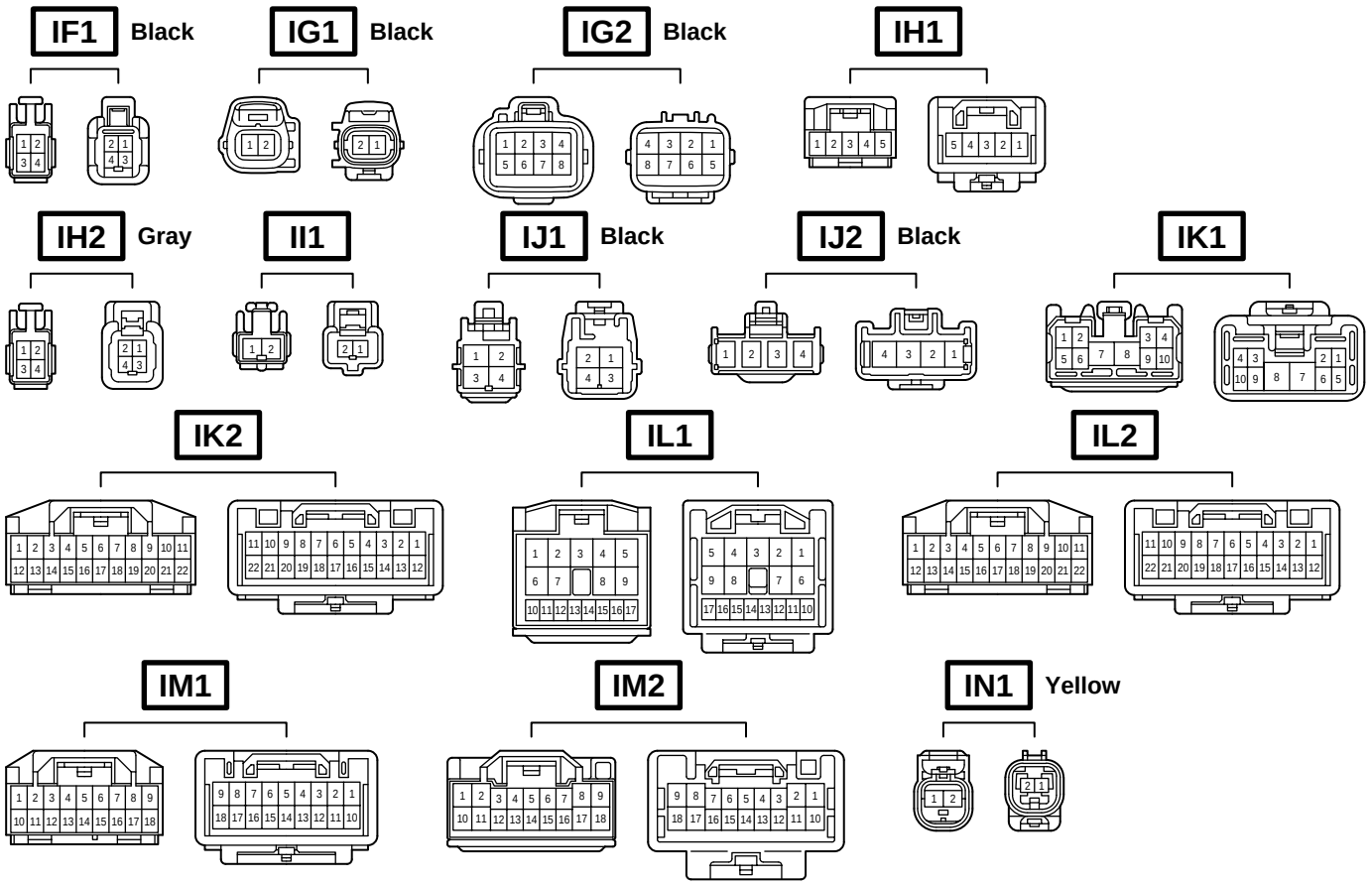
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
IF1	Instrument Panel Wire and A/C Sub Wire No.1 (Left Side of the Combination Meter)
IG1	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IG2	
IH1	Floor No.3 Wire and Instrument Panel Wire (Instrument Panel Brace RH)
IH2	
II1	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Console Box)
IJ1	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
IJ2	
IK1	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	
IL1	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2	
IM1	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2	
IN1	Floor No.2 Wire and Instrument Panel Wire (Right Kick Panel)

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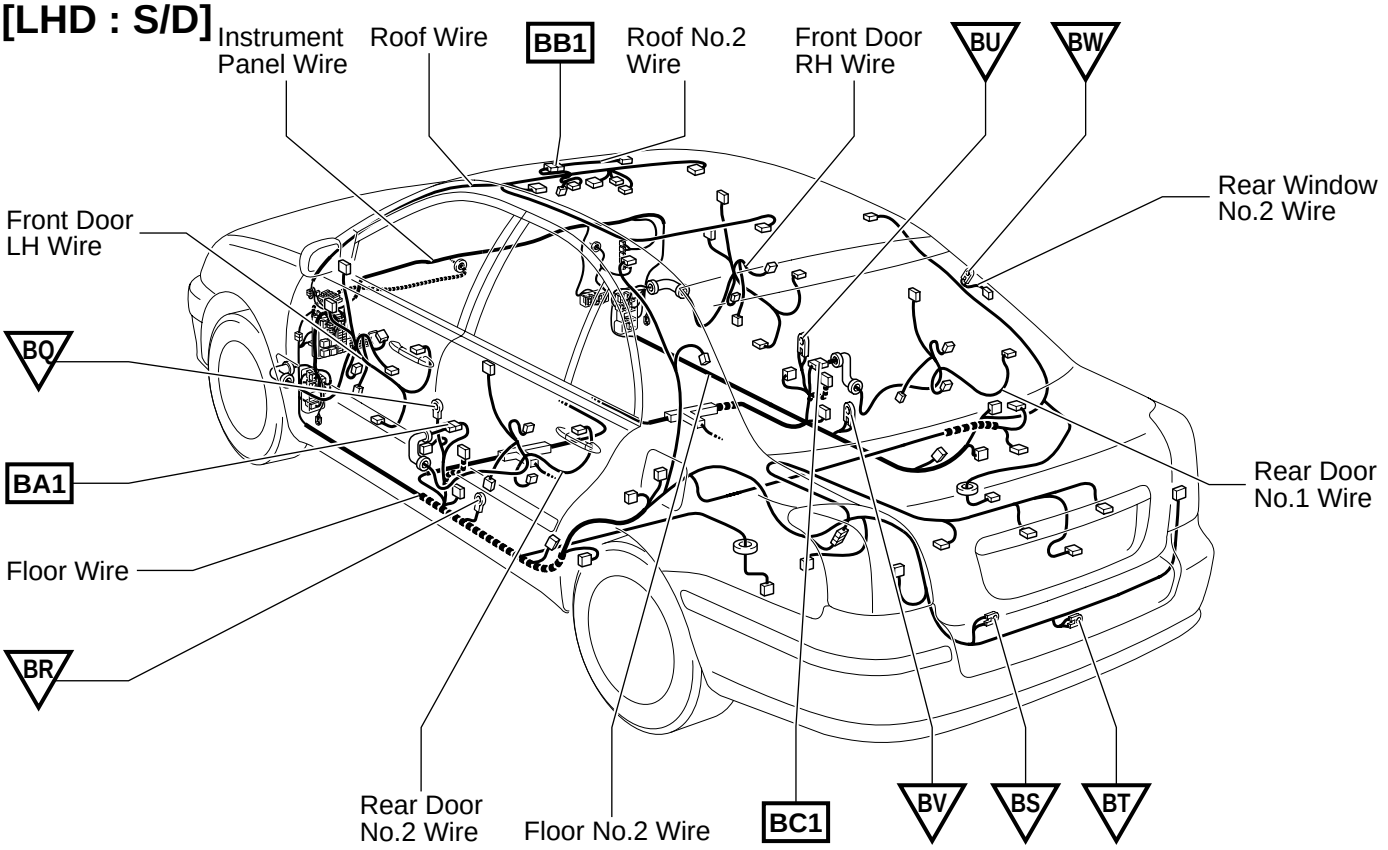
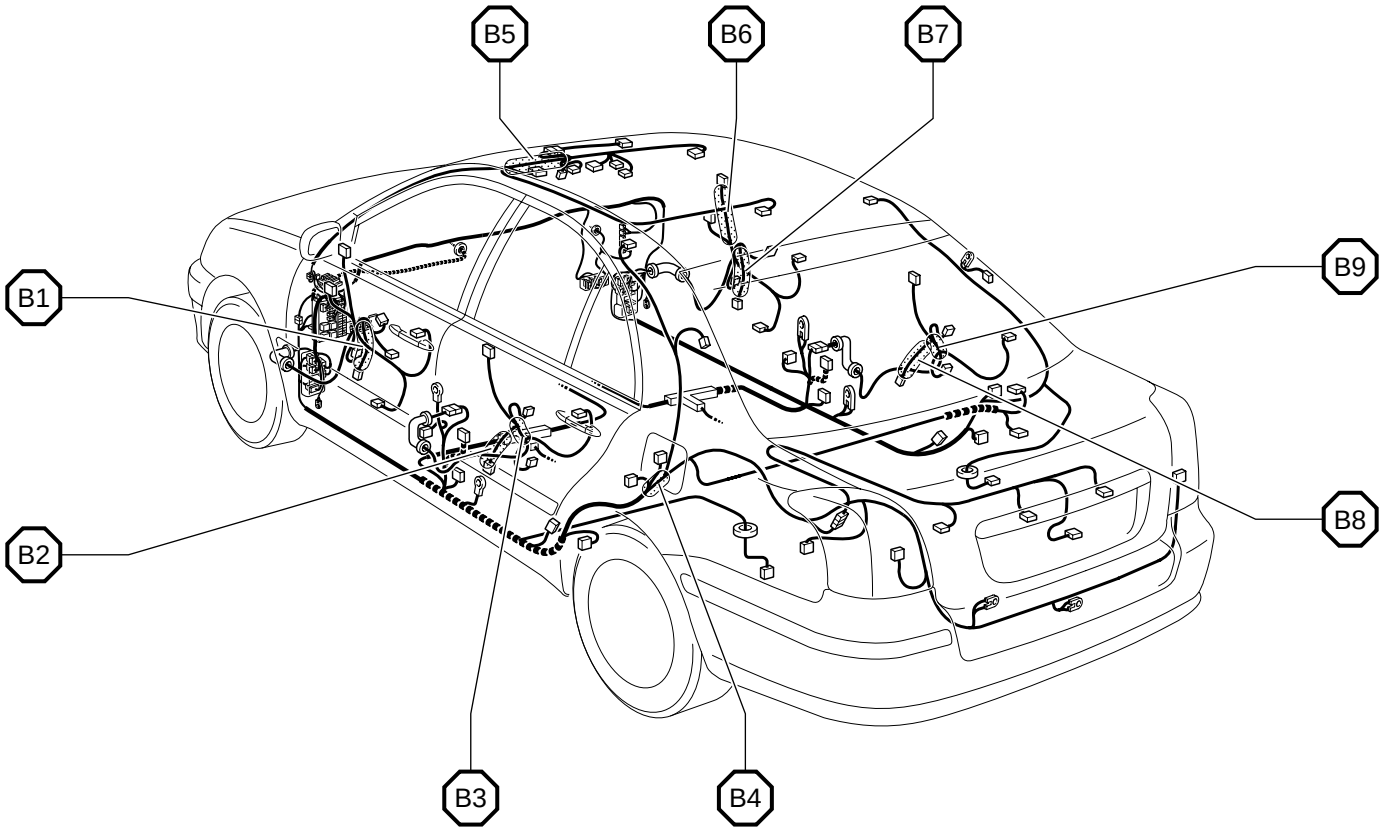
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : S/D]



⬡ : Location of Splice Points



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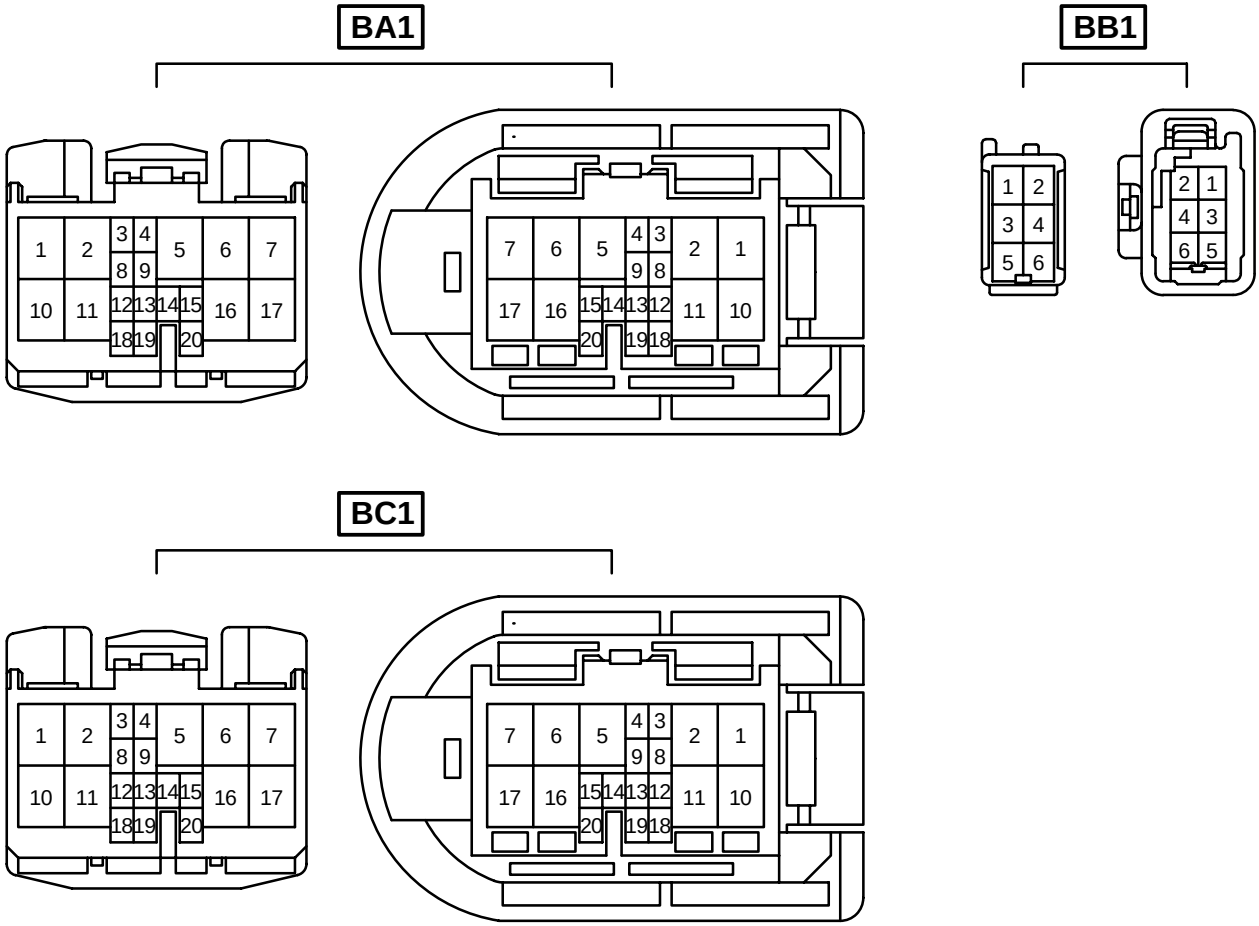
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)

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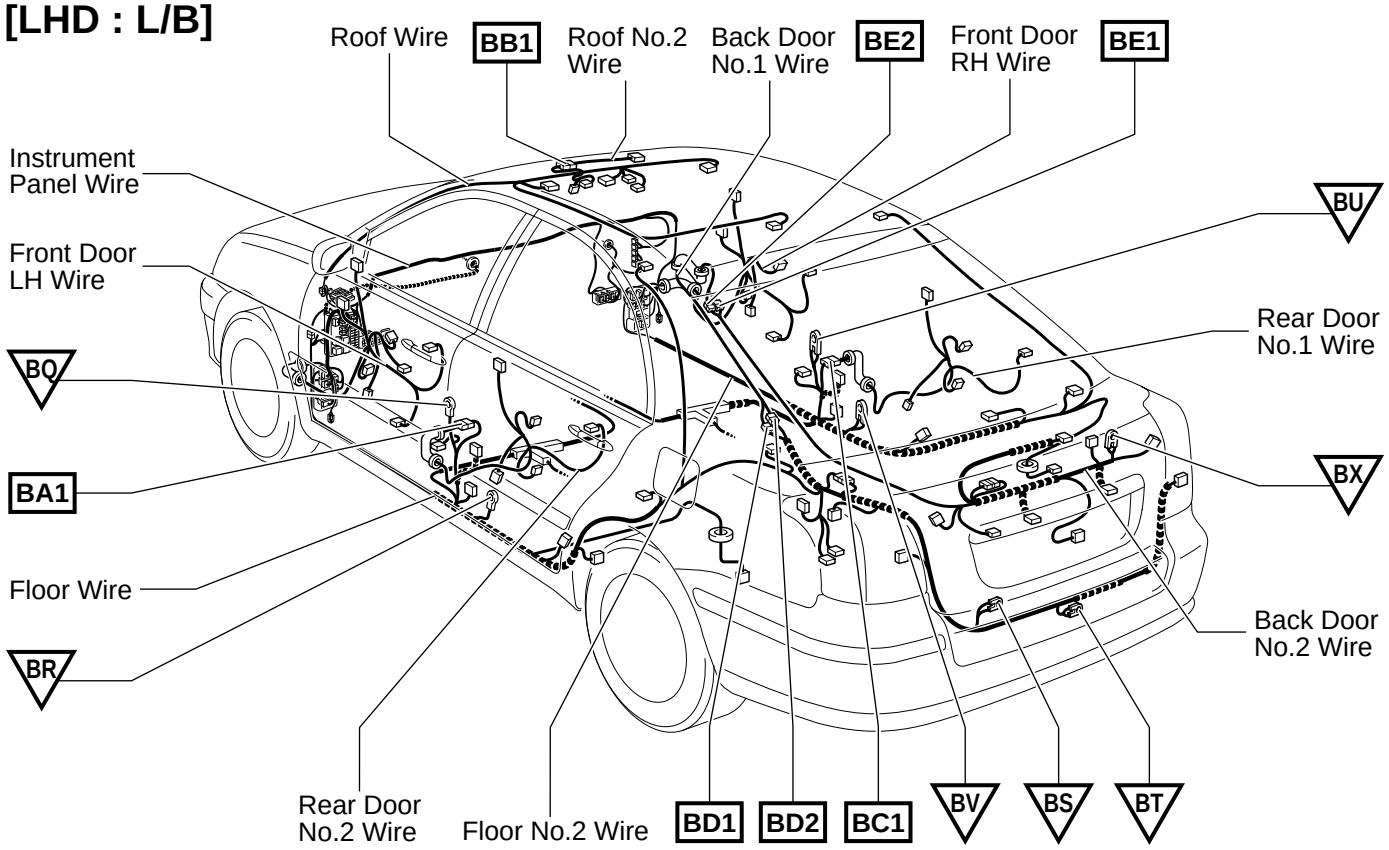
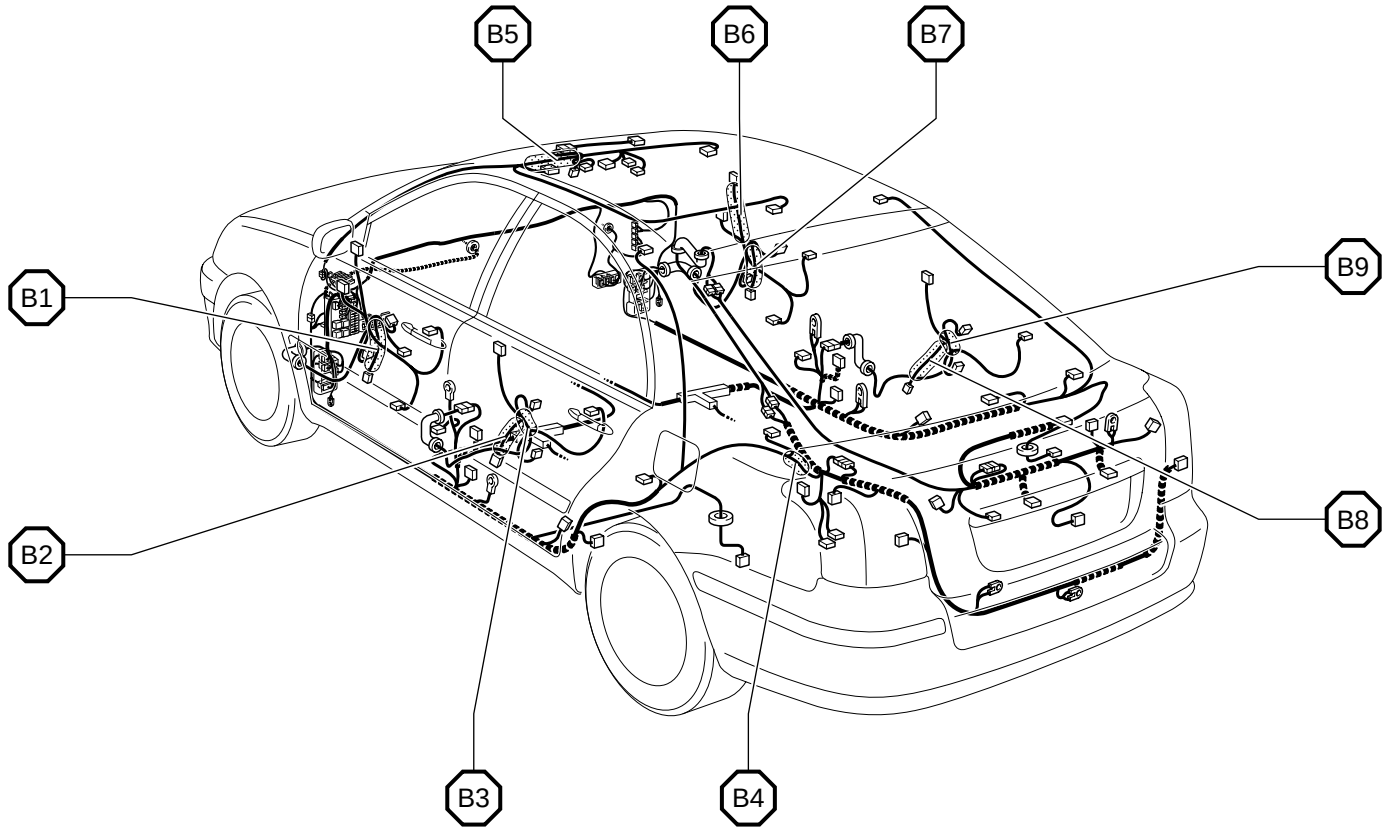
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : L/B]



○ : Location of Splice Points



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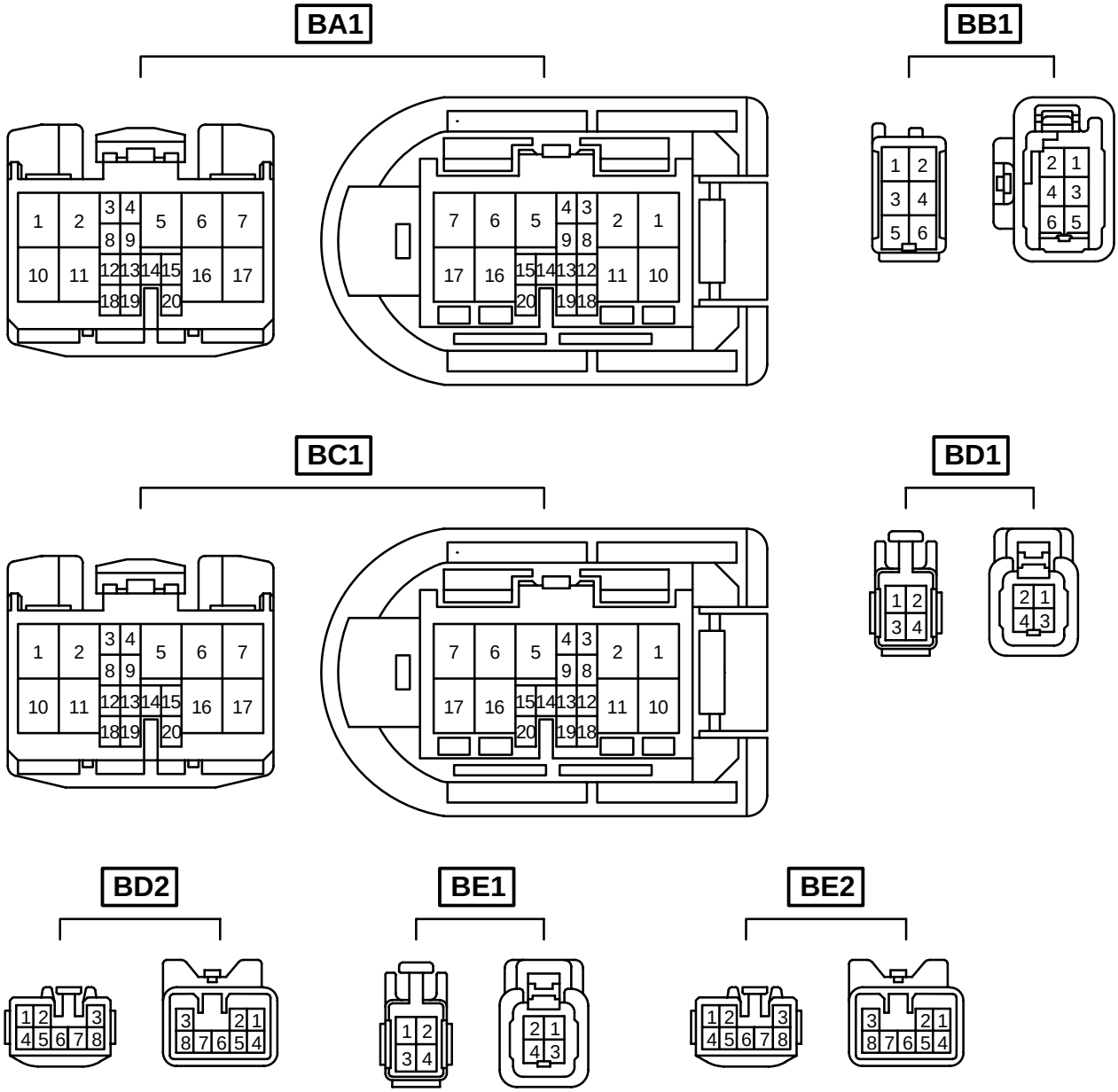
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BD1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BD2	
BE1	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BE2	

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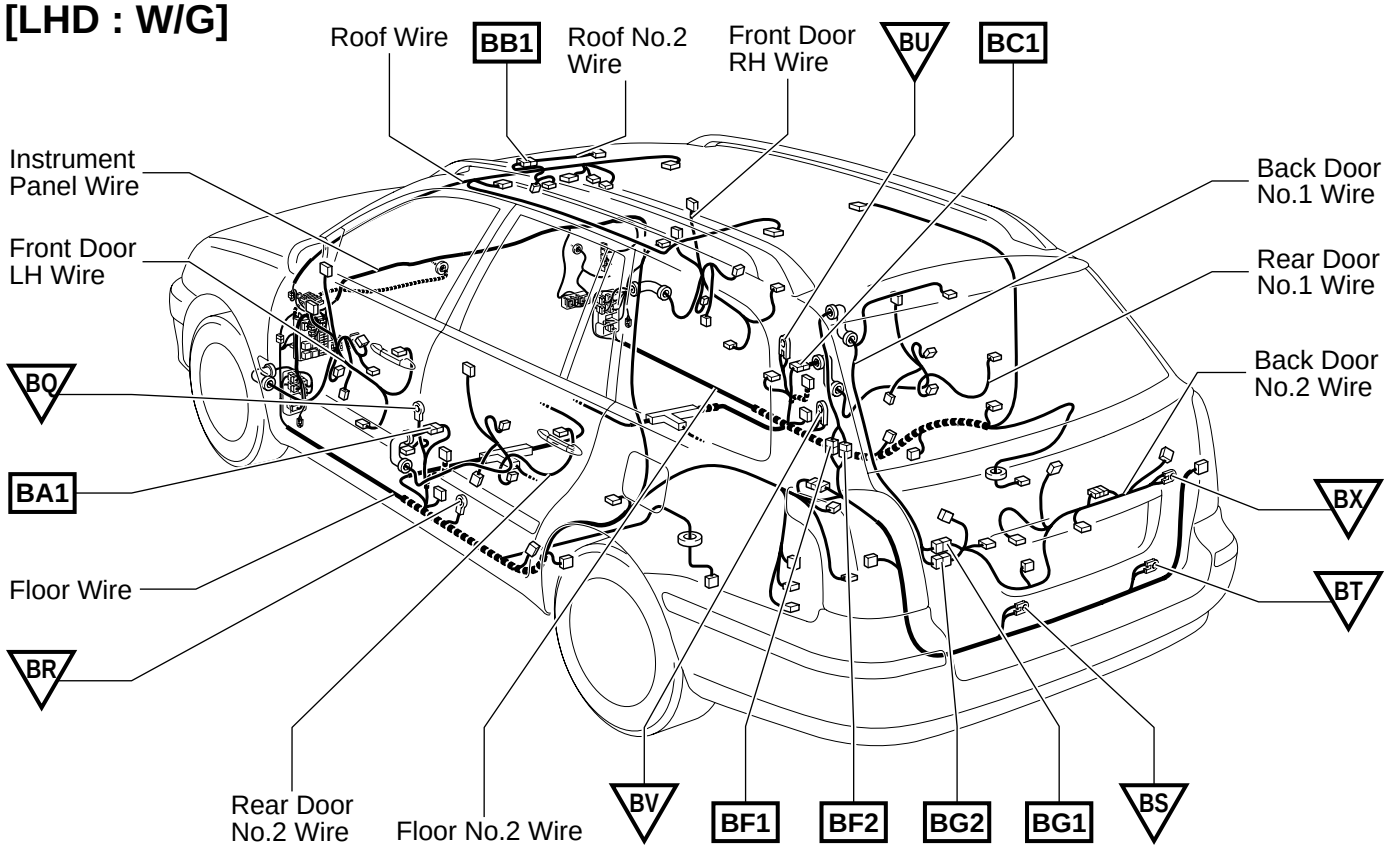
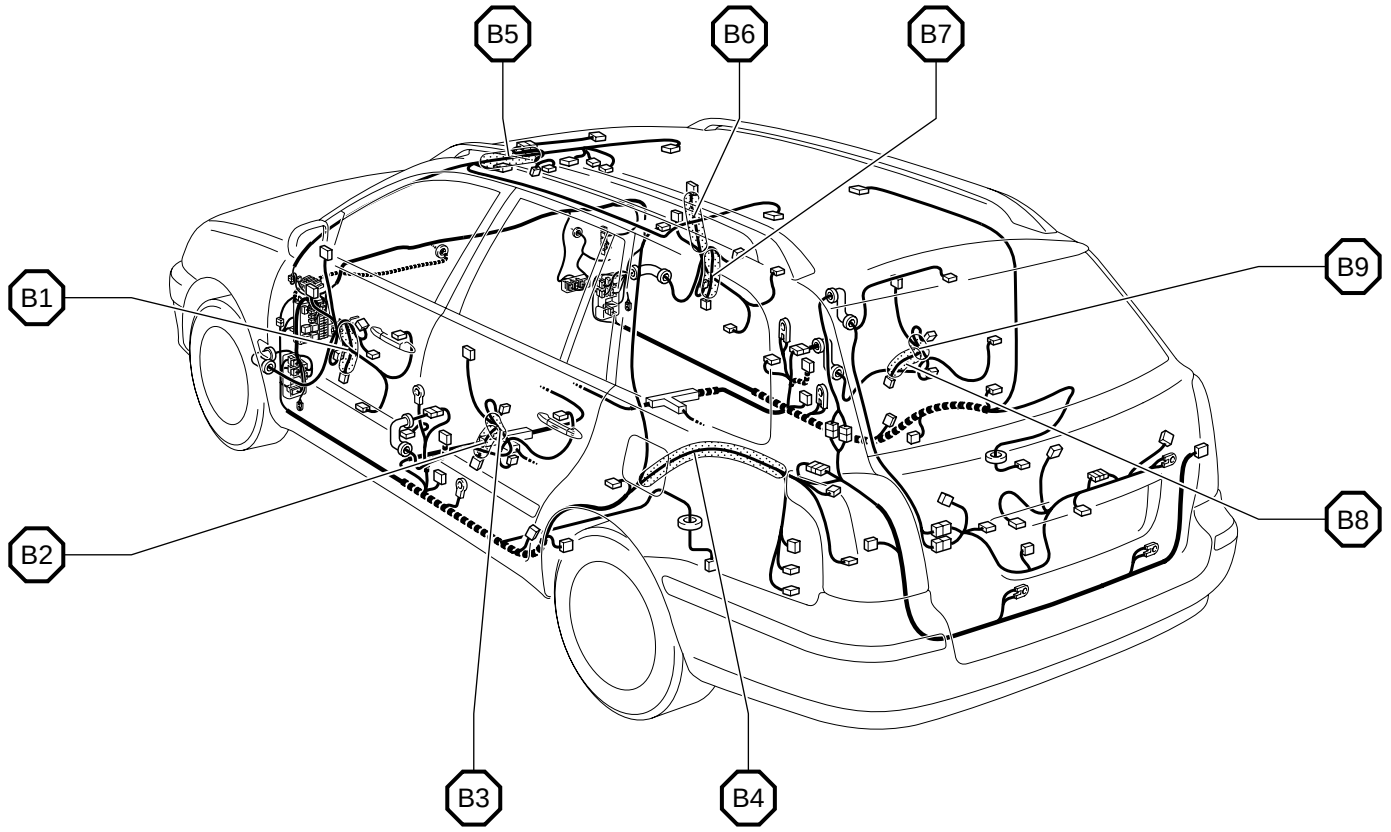
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : W/G]



○ : Location of Splice Points



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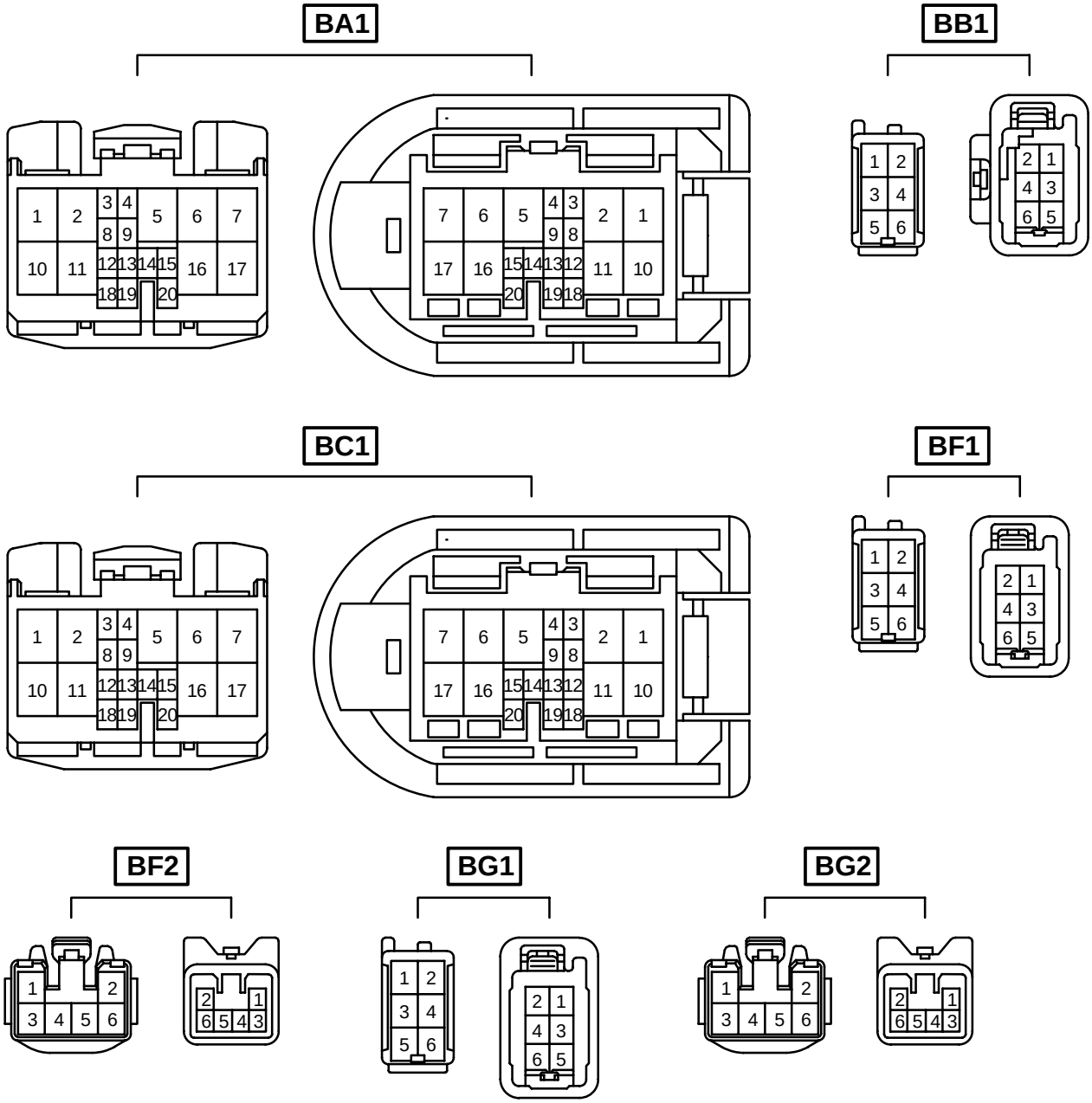
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BF1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BF2	
BG1	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BG2	

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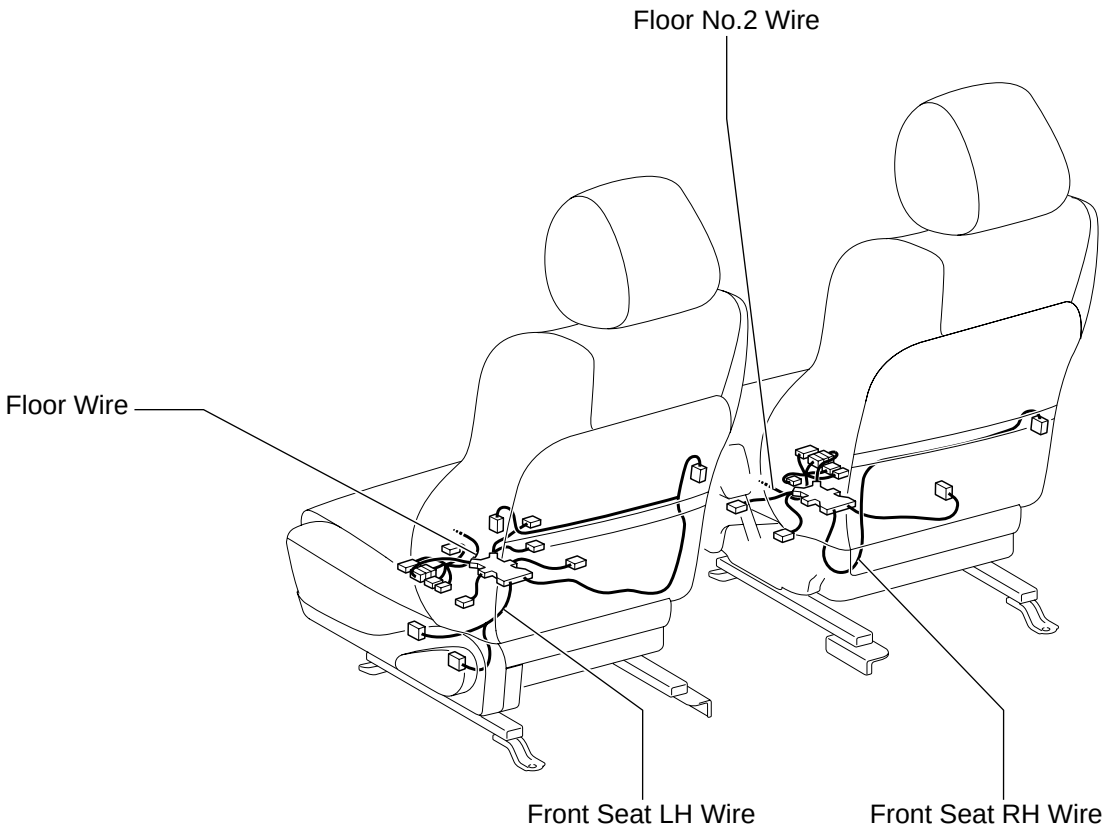
[LHD]



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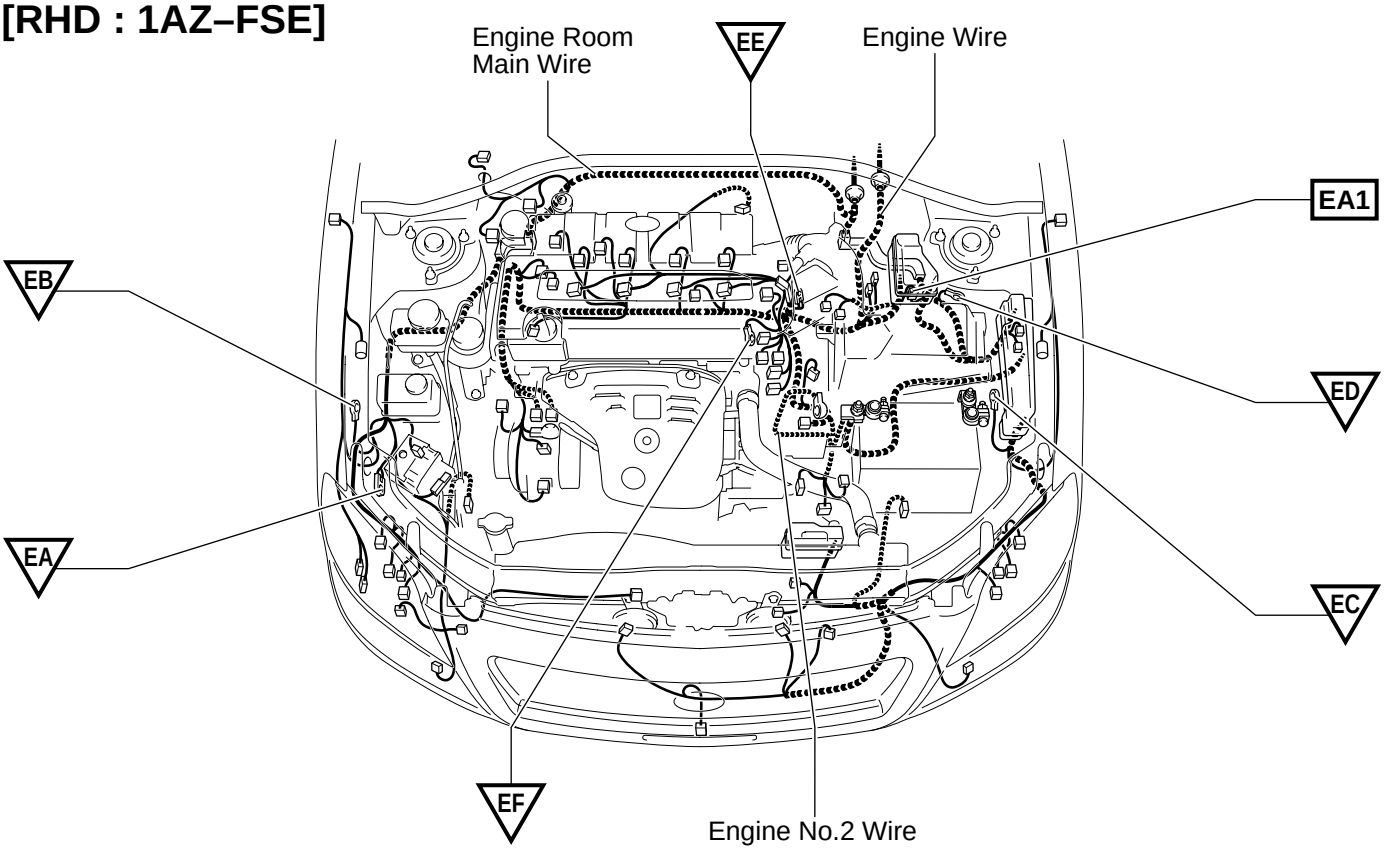
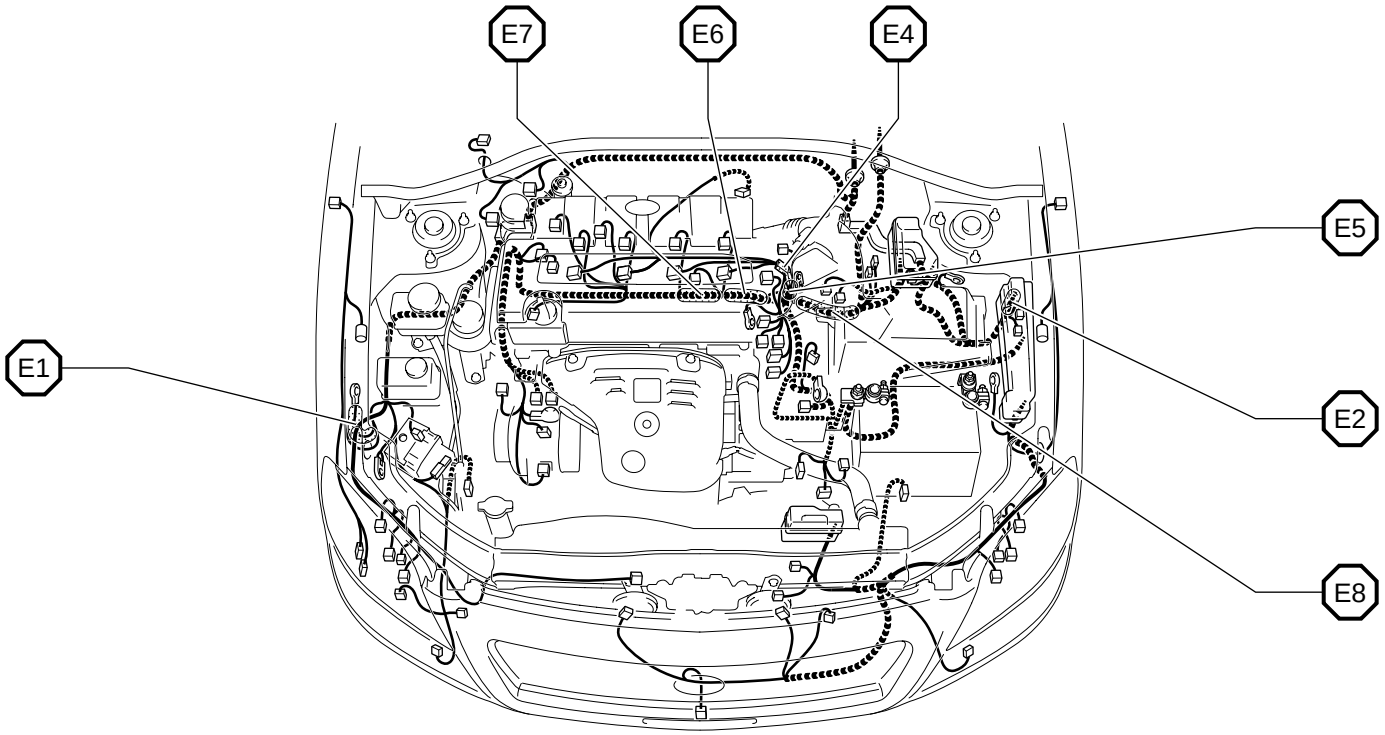
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : 1AZ–FSE]



○ : Location of Splice Points



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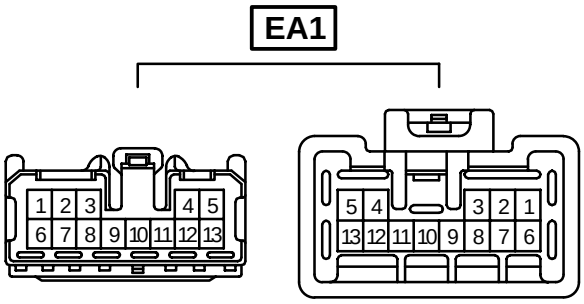
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

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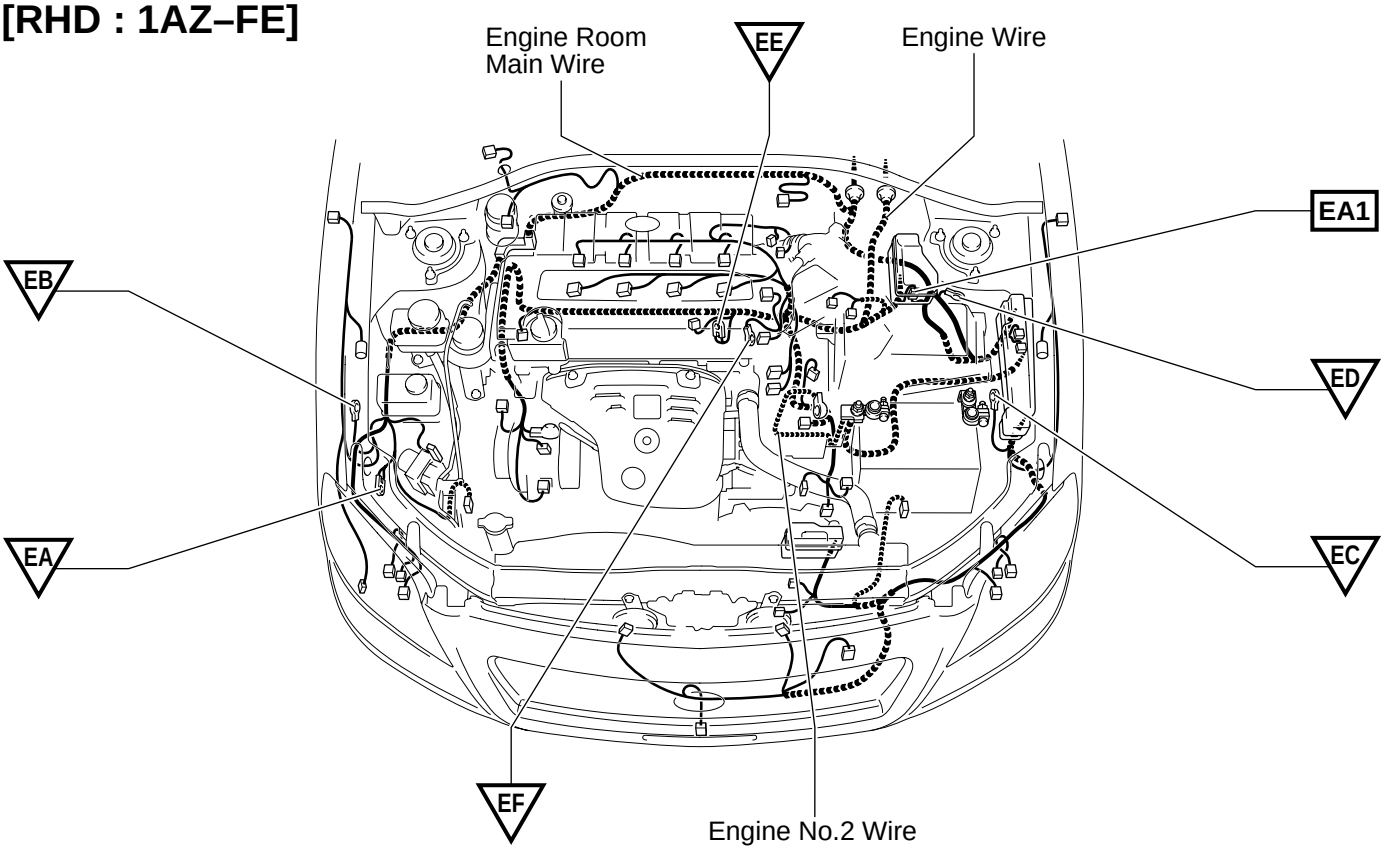
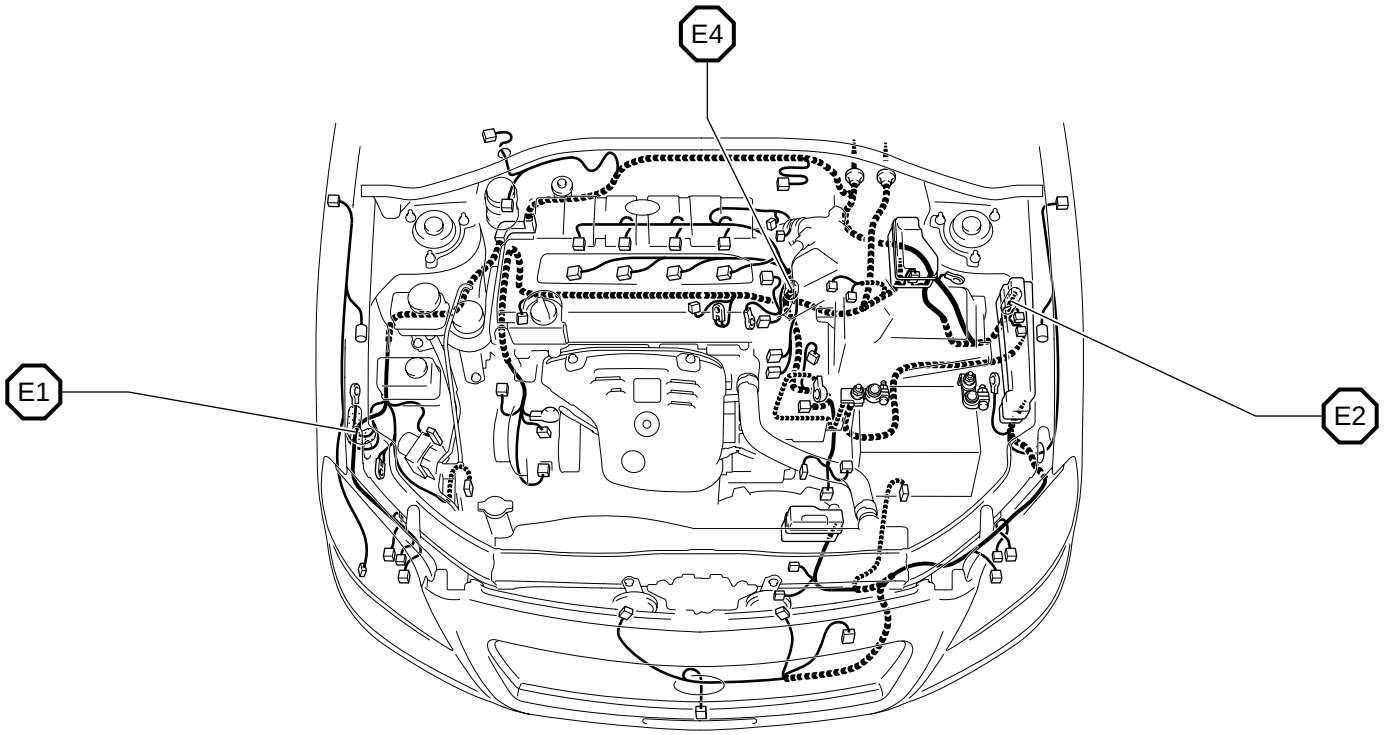
: Location of Connector Joining Wire Harness and Wire Harness
: Location of Ground Points

[RHD : 1AZ–FE]

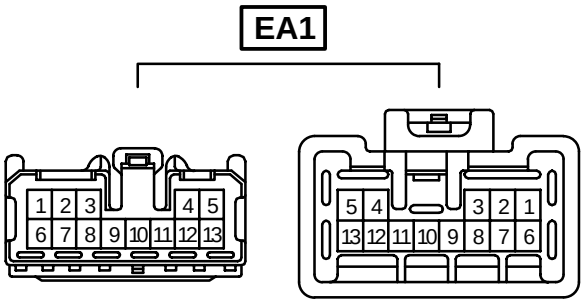


: Location of Splice Points



http://vnx.su

Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

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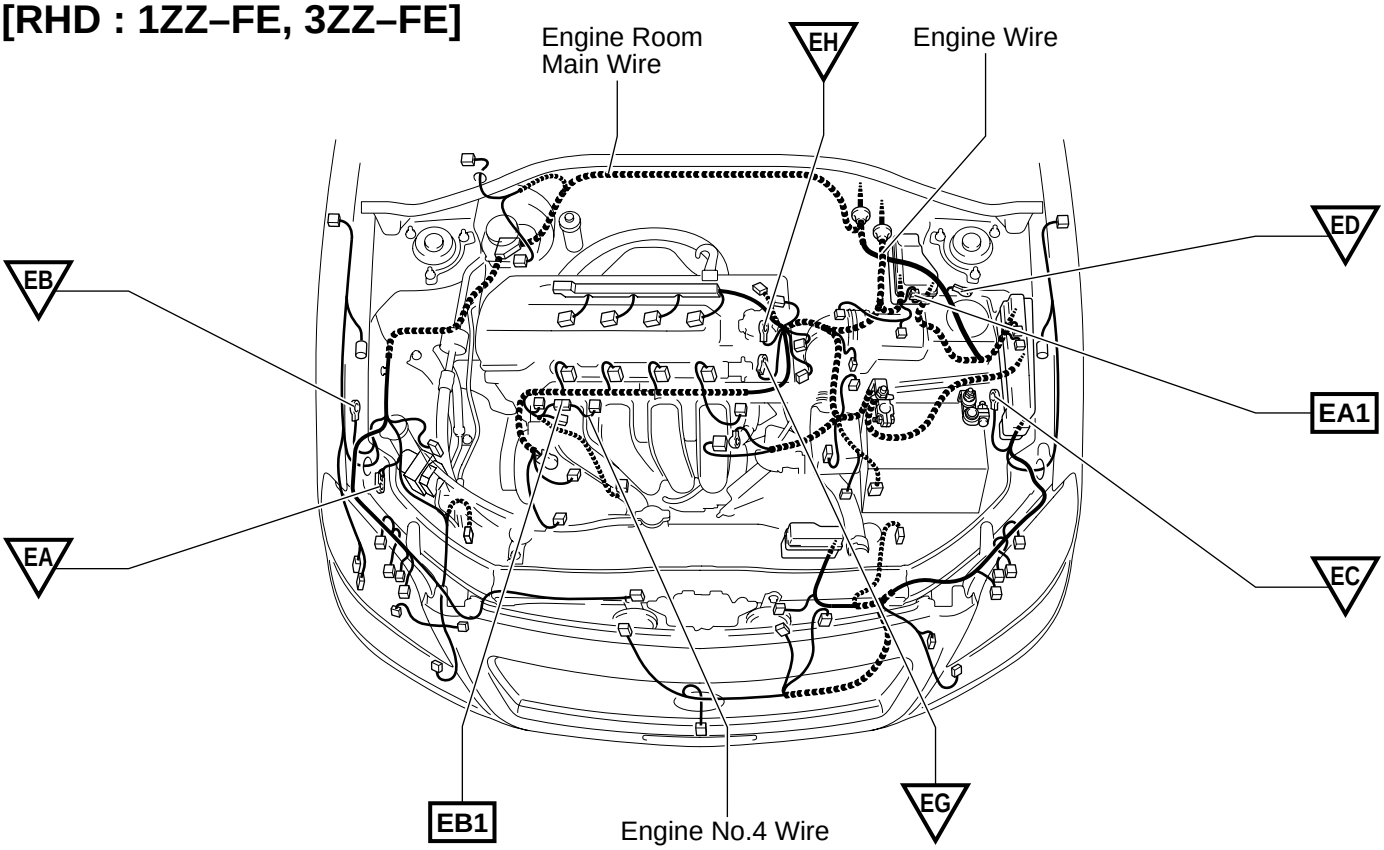
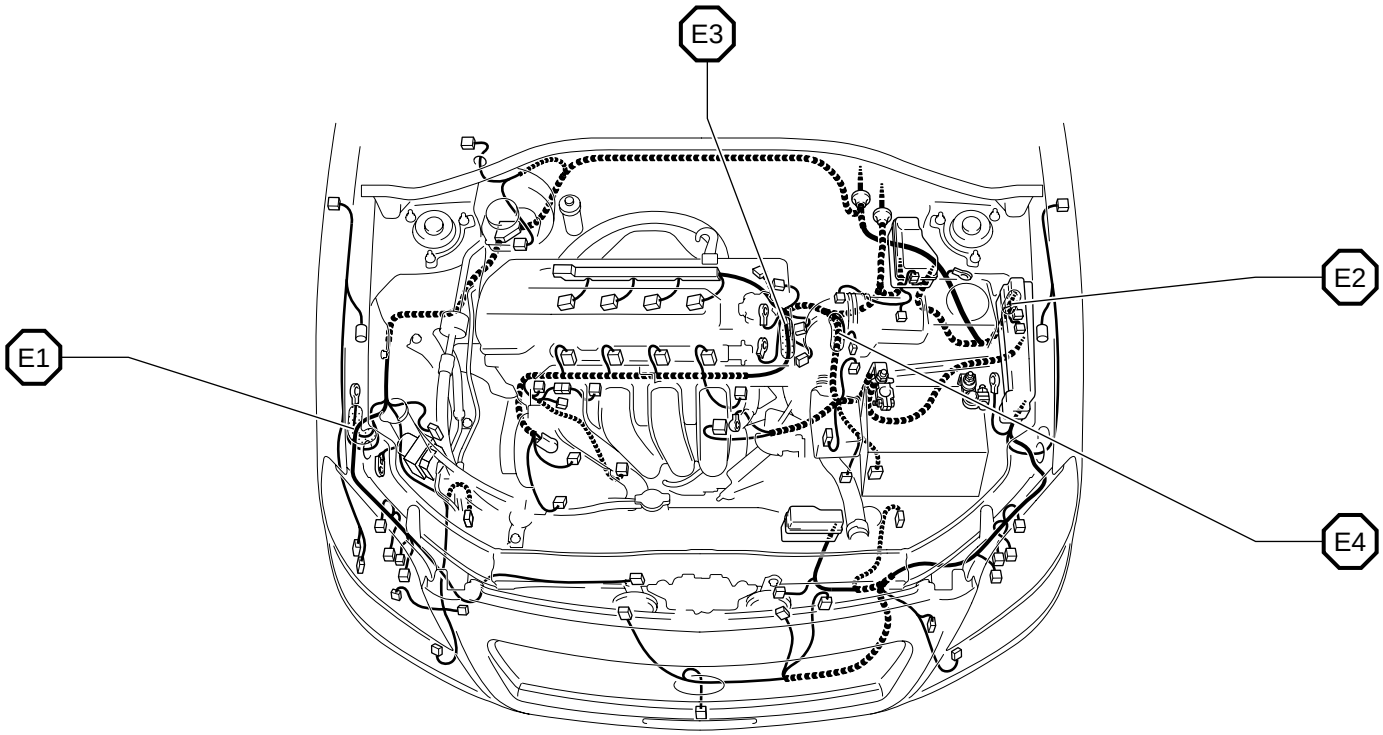
: Location of Connector Joining Wire Harness and Wire Harness
: Location of Ground Points

[RHD : 1ZZ–FE, 3ZZ–FE]



: Location of Splice Points



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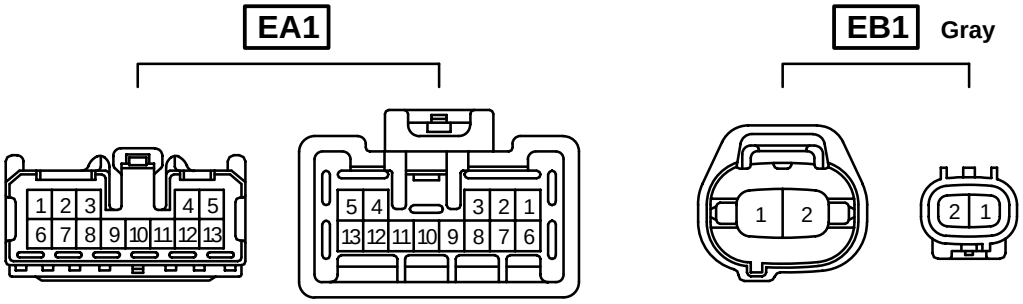
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EB1	Engine Wire and Engine No.4 Wire (Near the Alternator)

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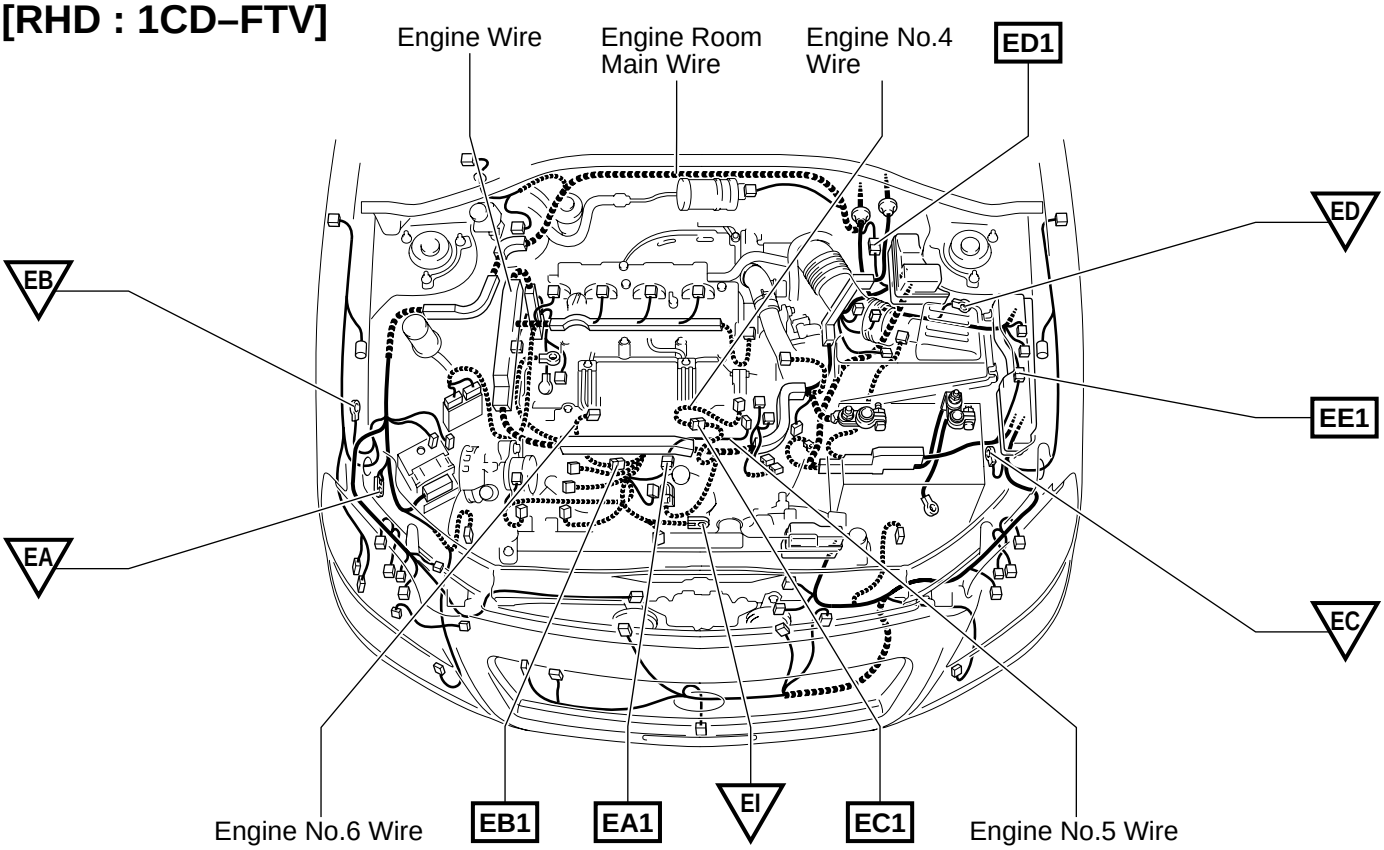
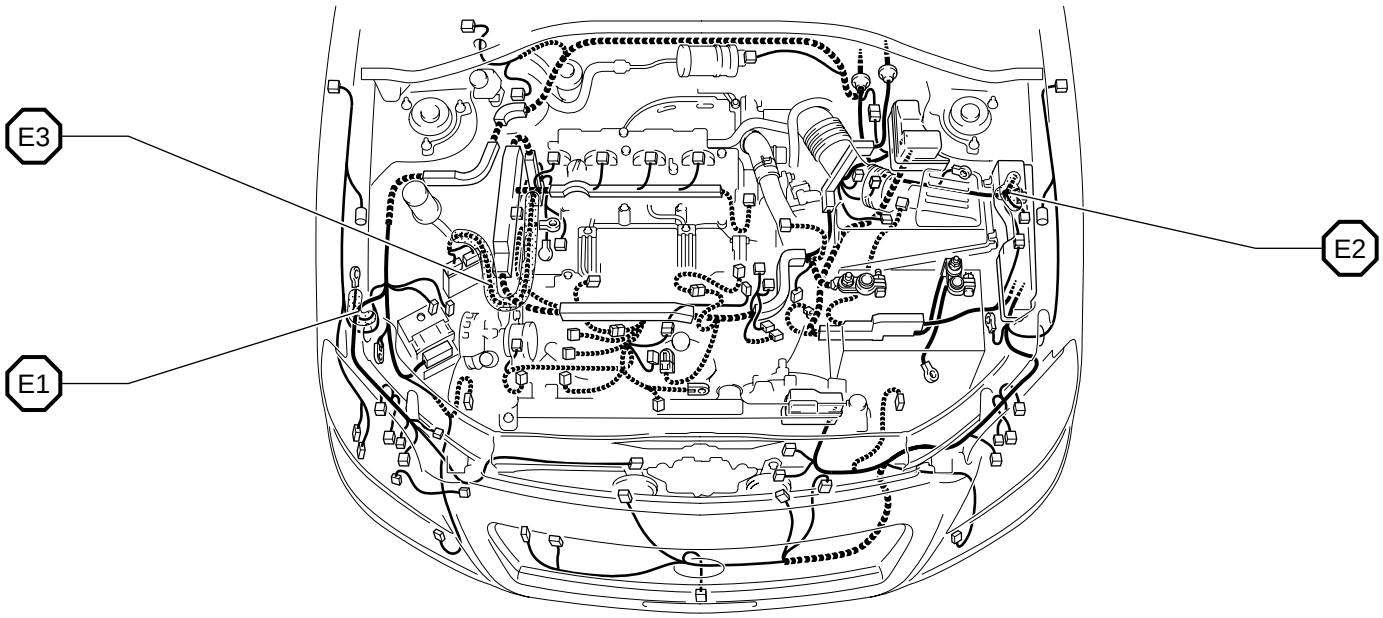
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : 1CD–FTV]



⬡ : Location of Splice Points



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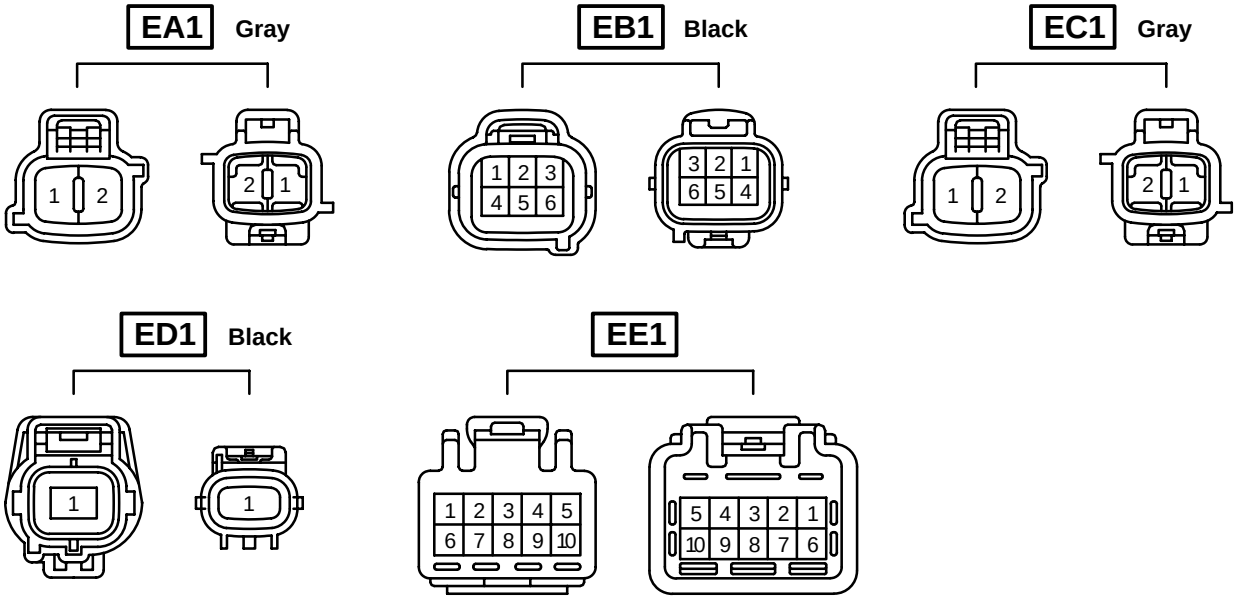
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine No.5 Wire (Near the Starter)
EB1	Engine Wire and Engine No.6 Wire (Near the Starter)
EC1	Engine Wire and Engine No.4 Wire (Near the Starter)
ED1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EE1	Engine Wire and Engine Room Main Wire (Engine Compartment Left)

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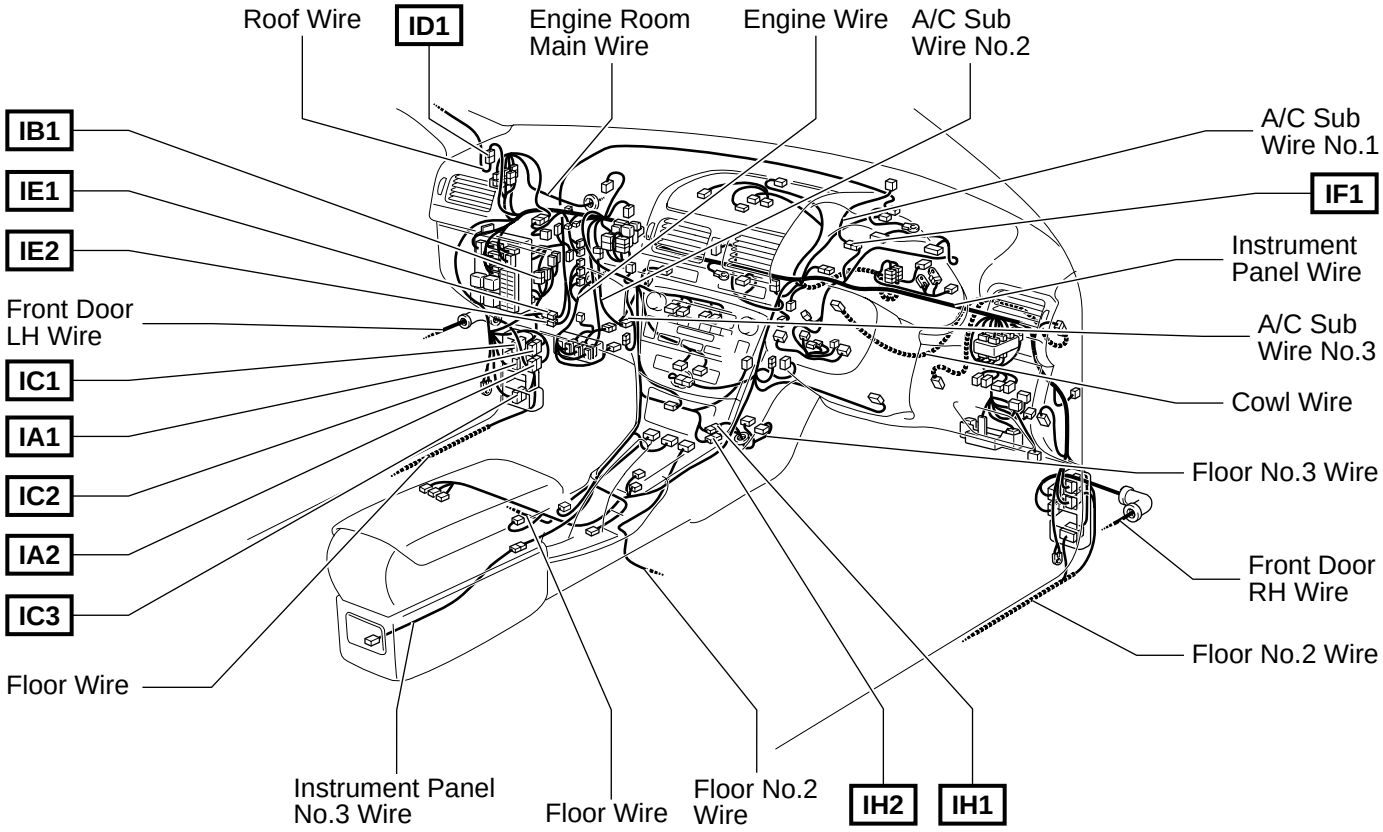
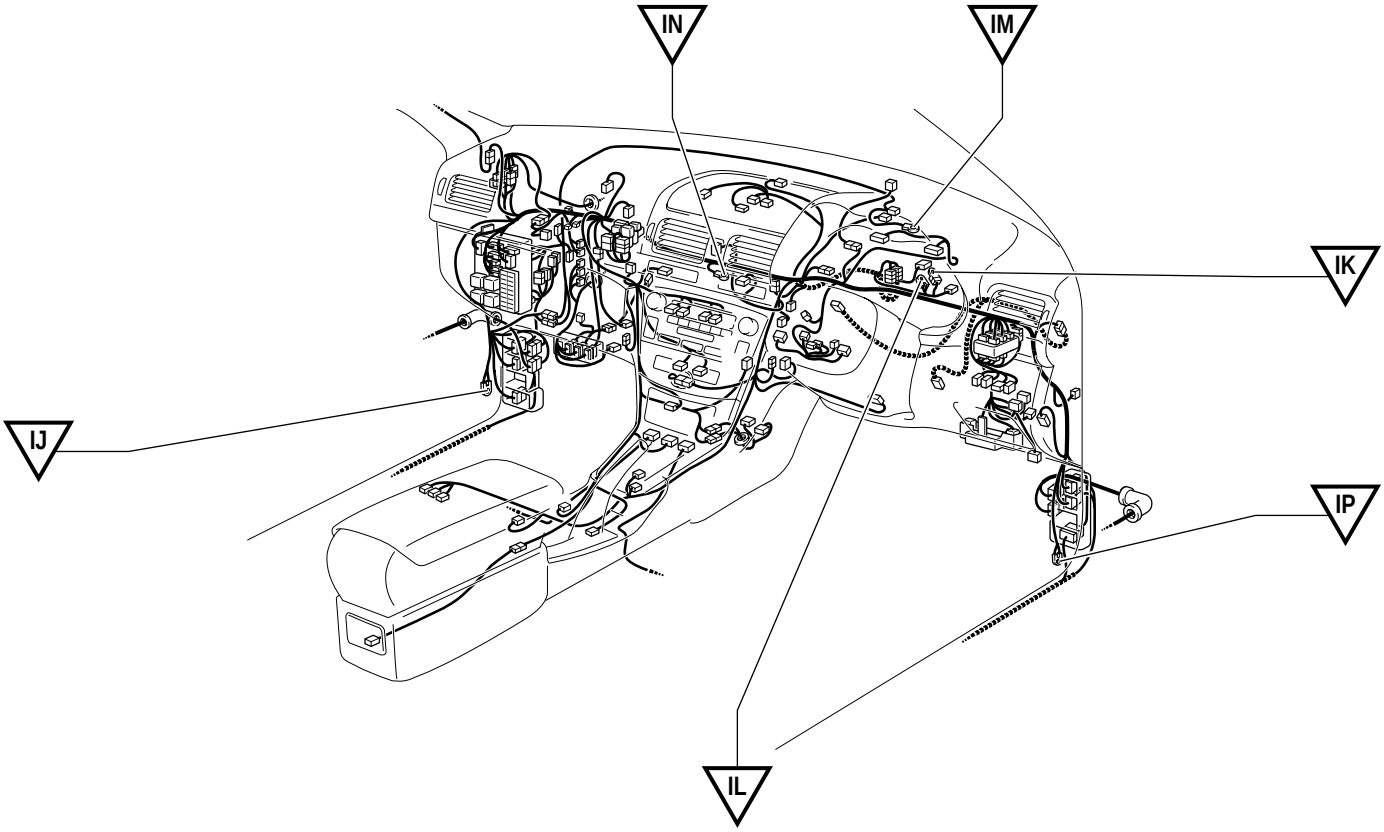
▭ : Location of Connector Joining Wire Harness and Wire Harness

[RHD]



▽ : Location of Ground Points



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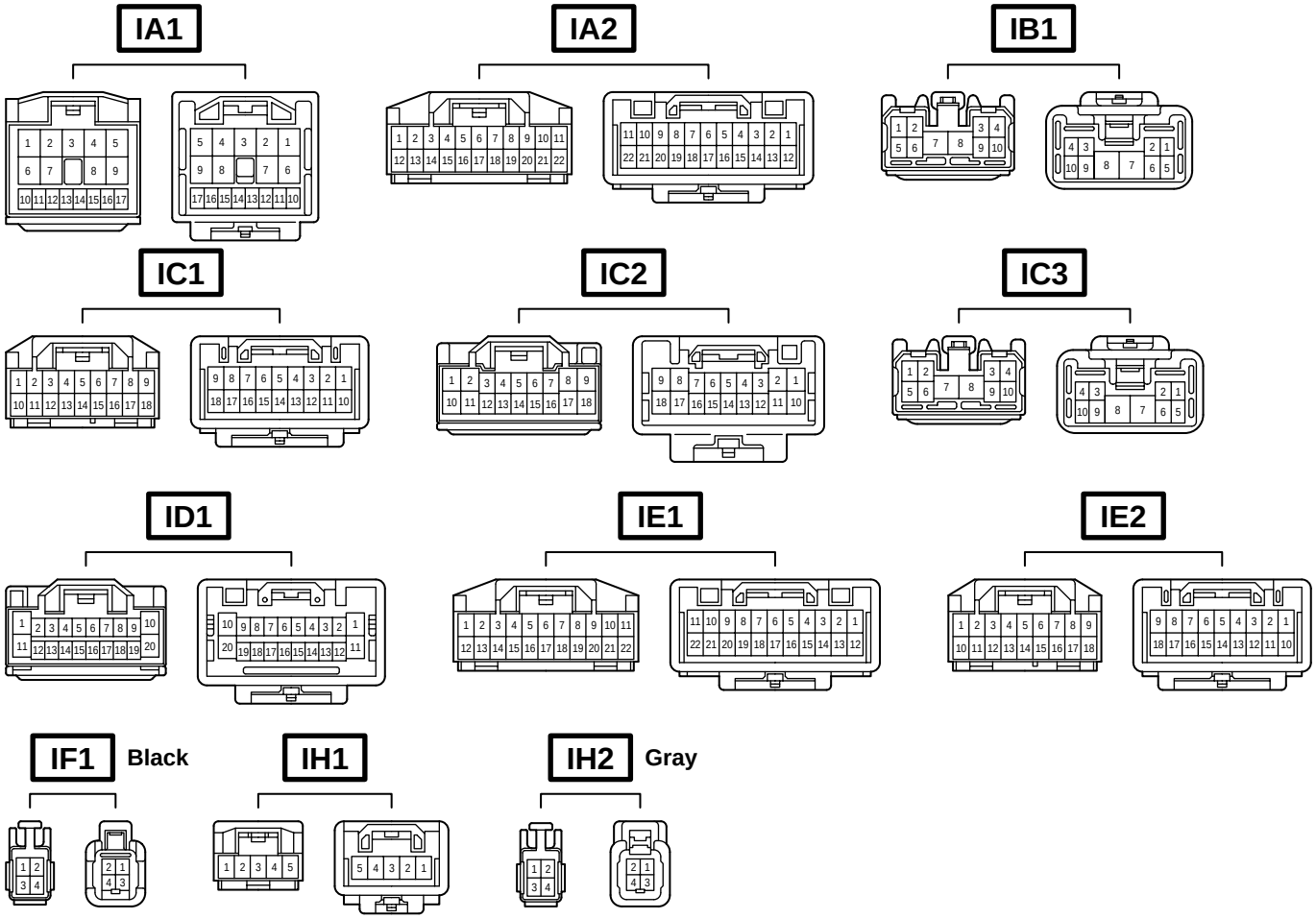
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2	
IB1	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
IC1	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2	
IC3	
ID1	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	
IF1	Instrument Panel Wire and A/C Sub Wire No.1 (Right Side of the Combination Meter)
IH1	Floor No.3 Wire and Instrument Panel Wire (Instrument Panel Brace RH)
IH2	

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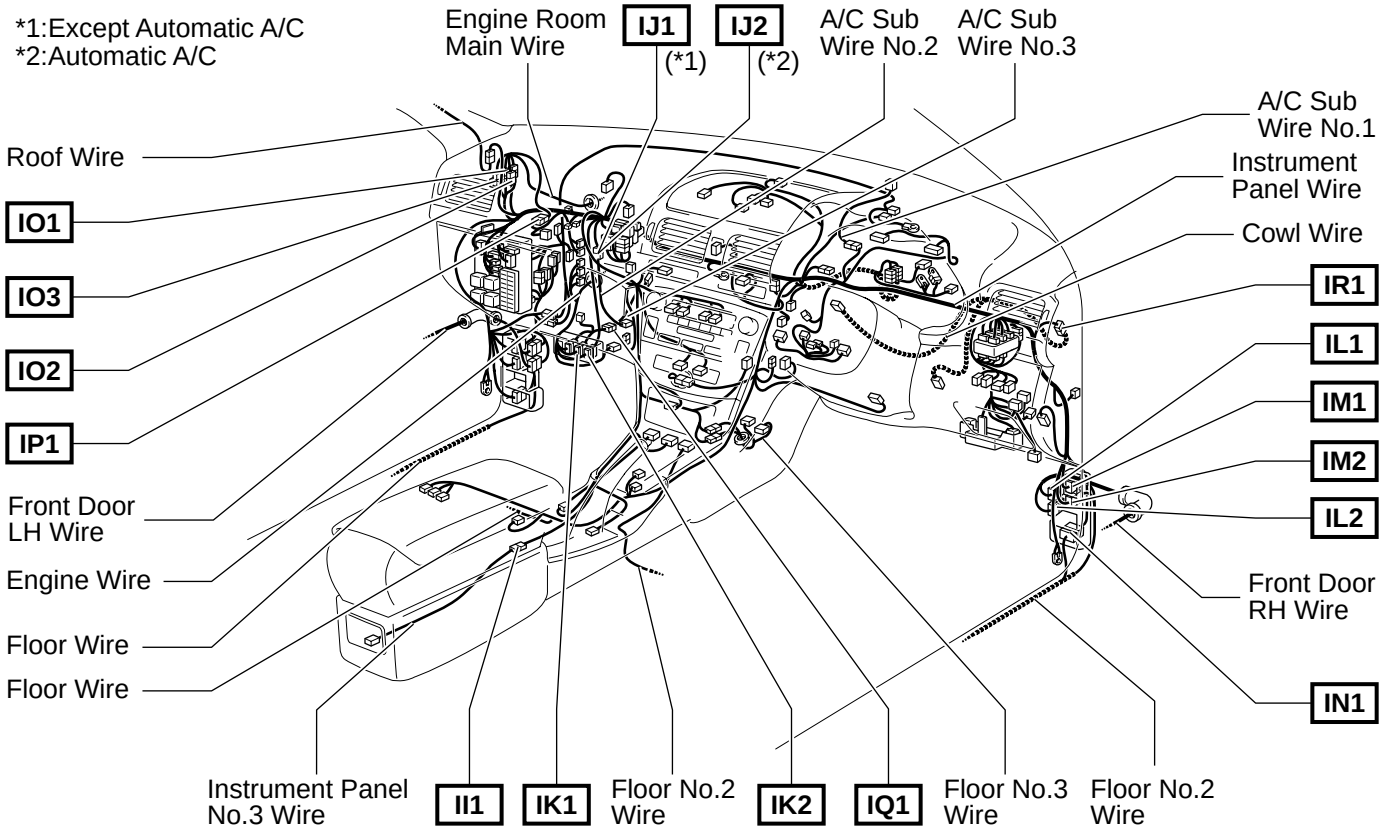
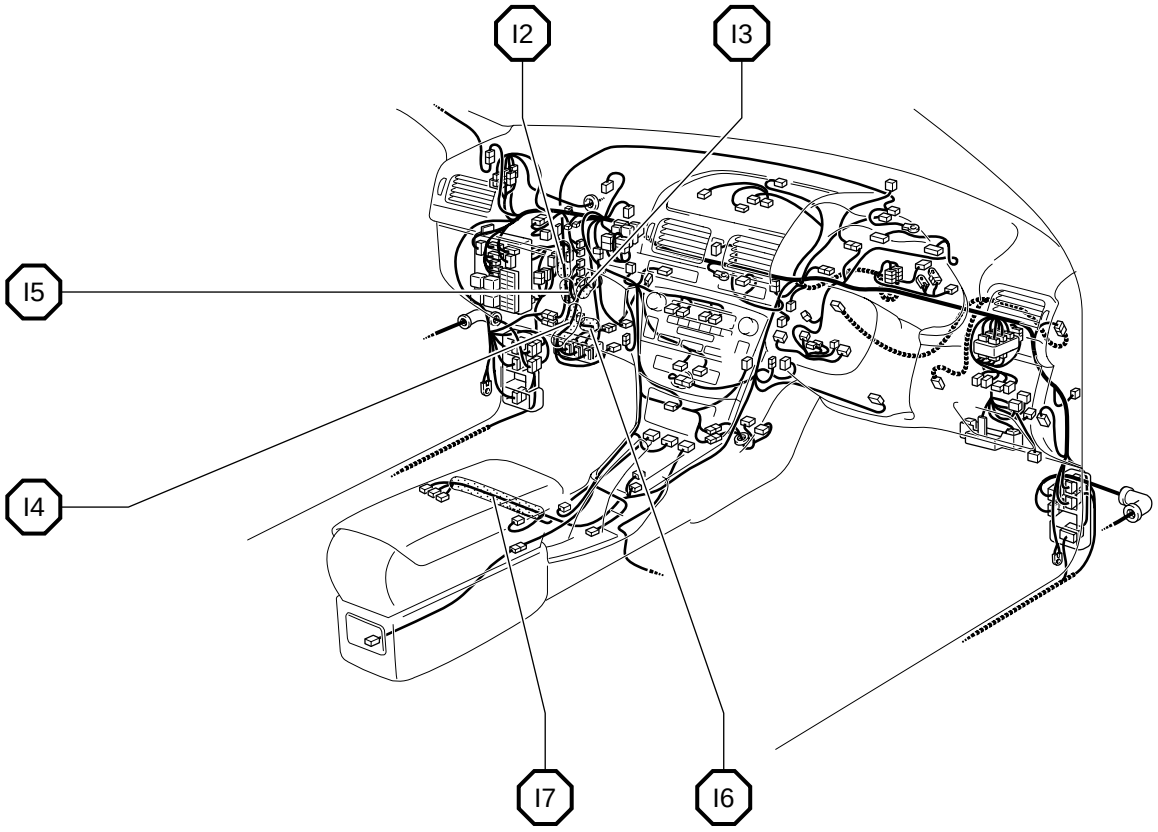
▭ : Location of Connector Joining Wire Harness and Wire Harness

[RHD]



⬡ : Location of Splice Points



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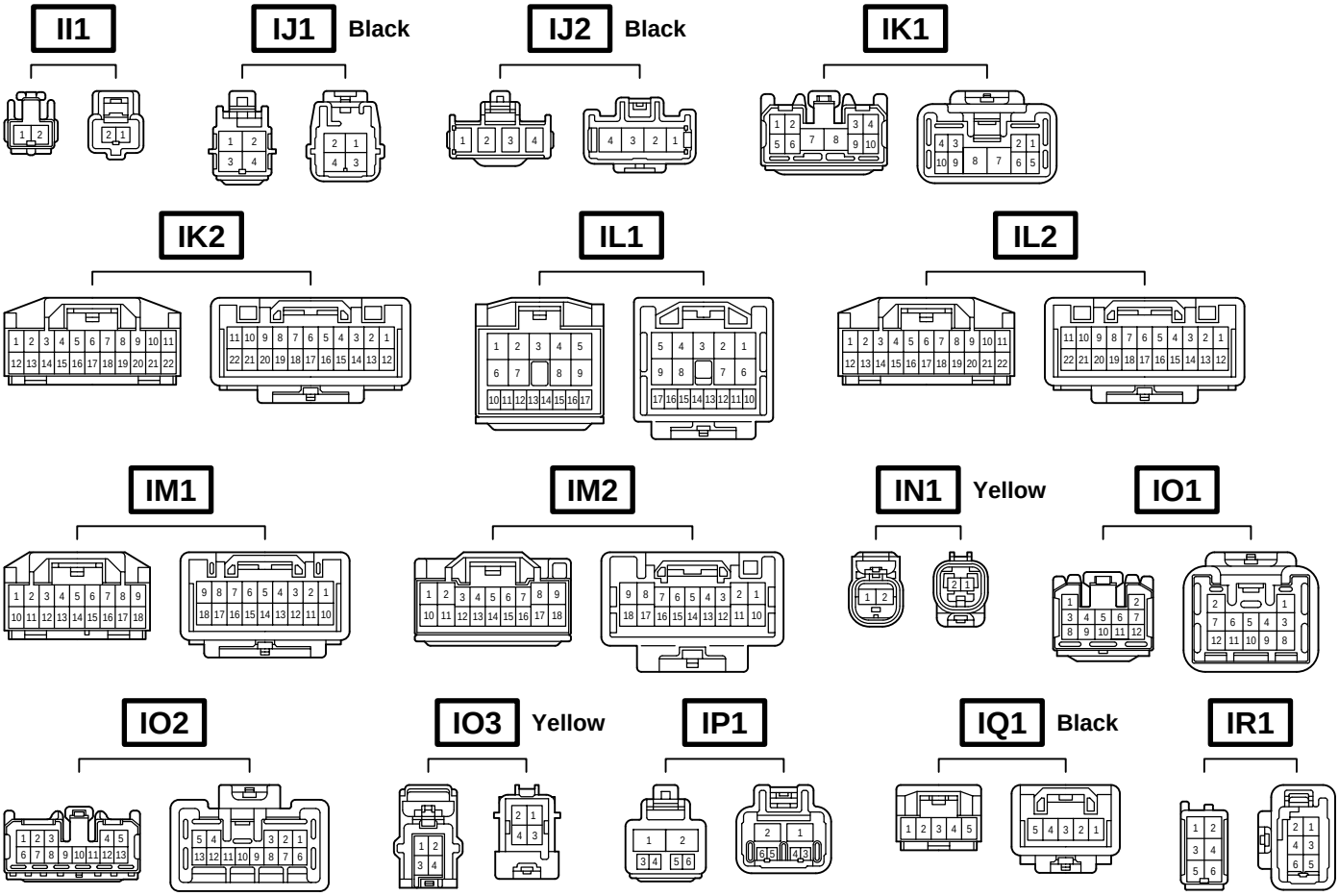
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
II1	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Console Box)
IJ1	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)
IJ2	
IK1	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	
IL1	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2	
IM1	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2	
IN1	Floor No.2 Wire and Instrument Panel Wire (Right Kick Panel)
IO1	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IO2	
IO3	
IP1	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IQ1	Instrument Panel Wire and A/C Sub Wire No.3 (Behind the Glove Box)
IR1	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

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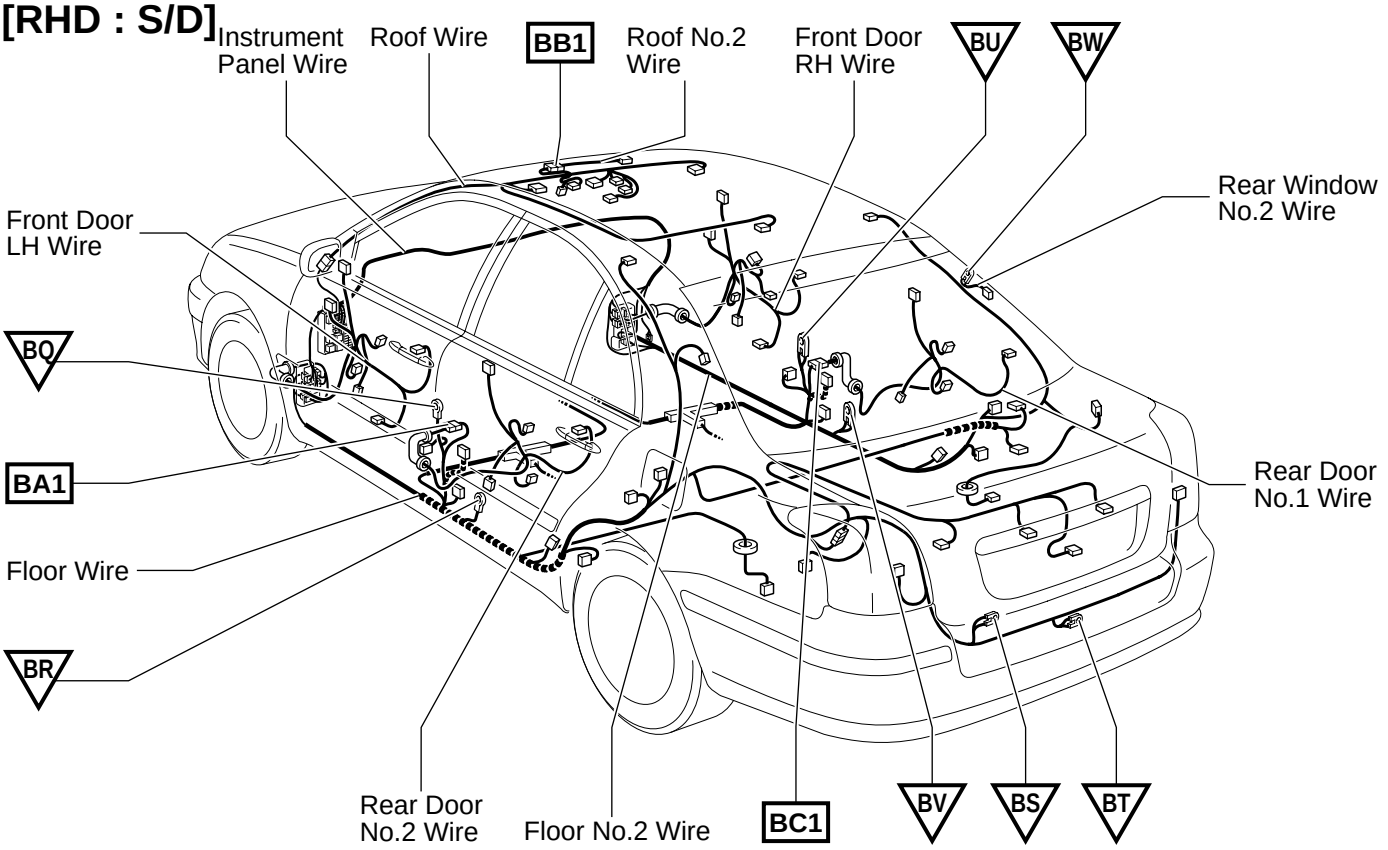
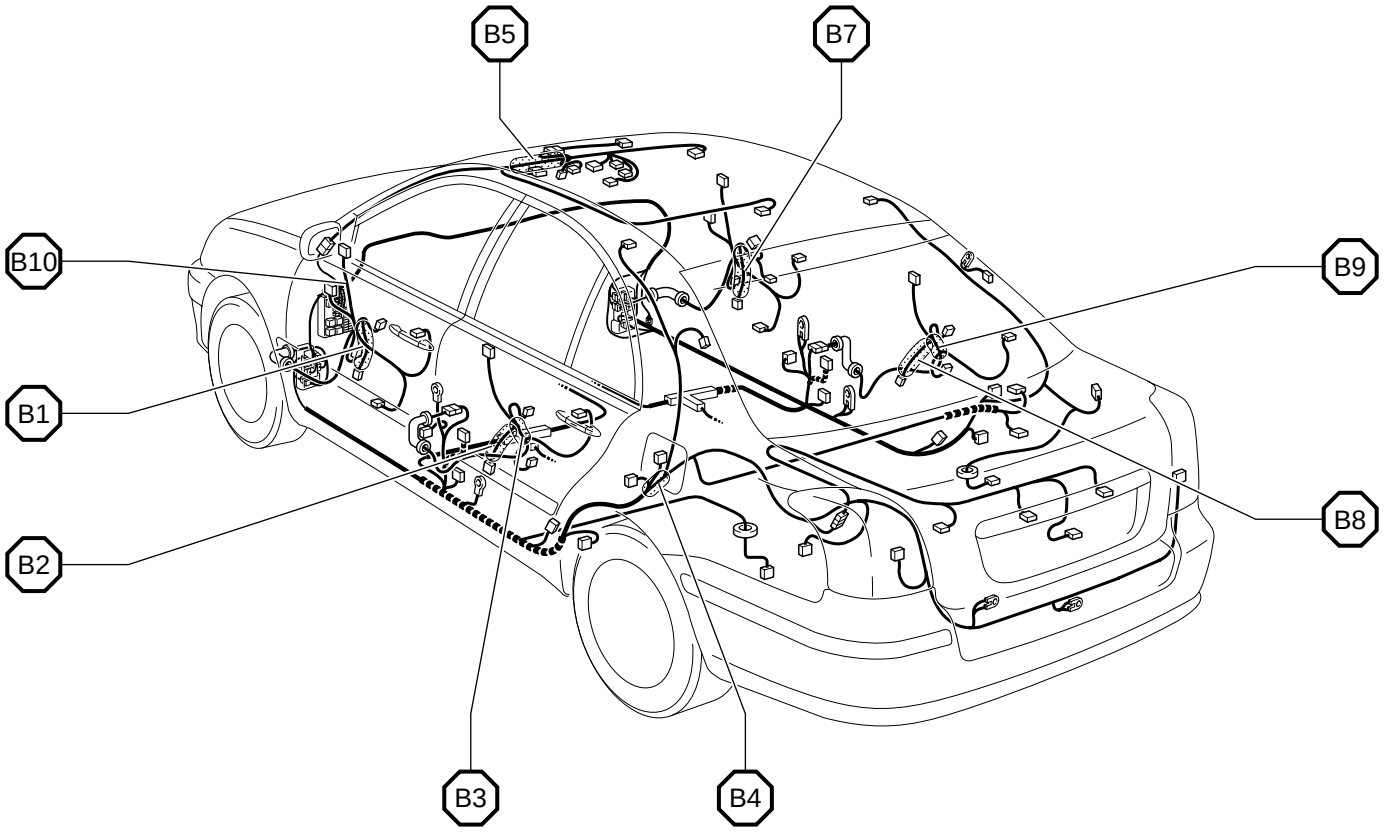
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : S/D]



⬡ : Location of Splice Points



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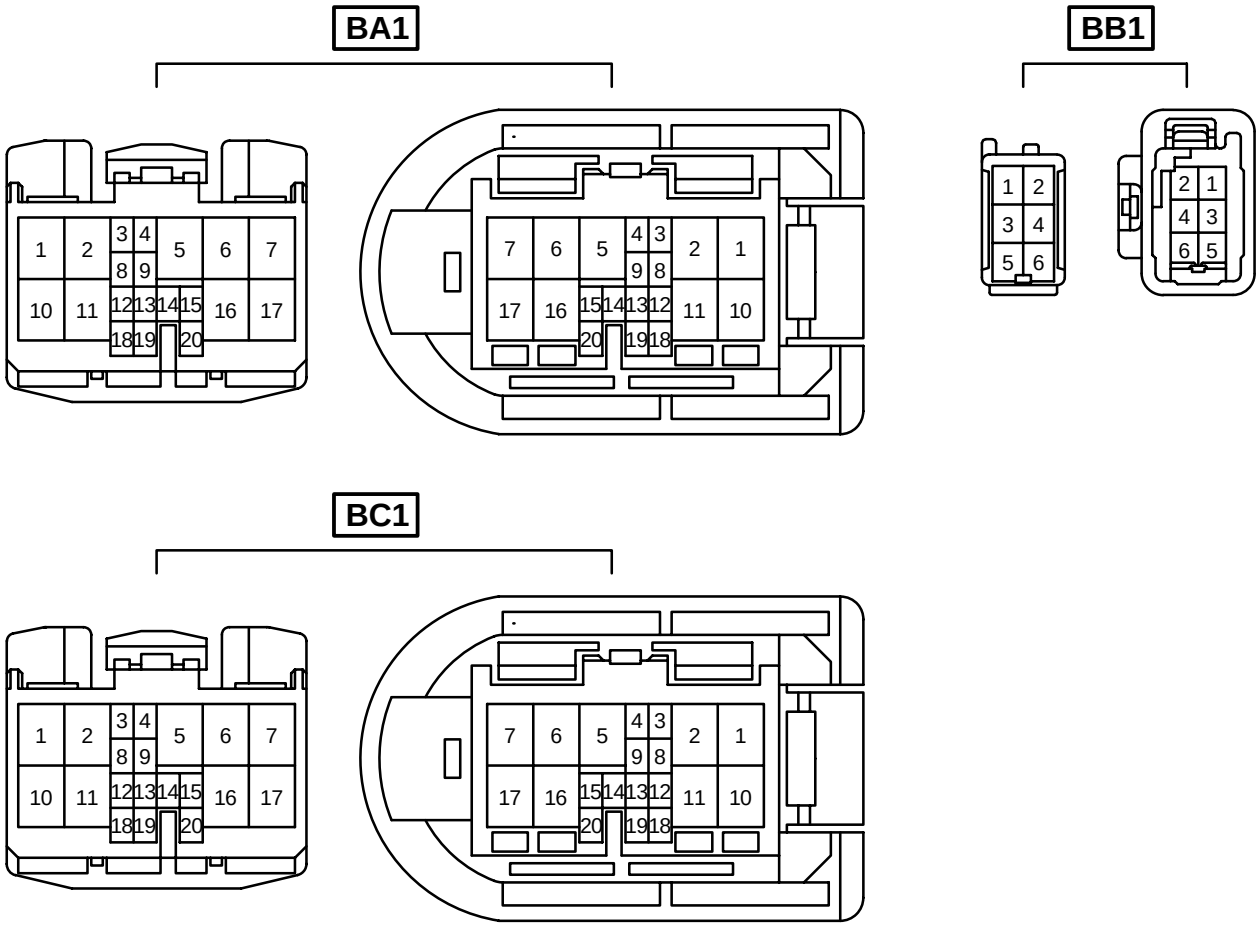
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)

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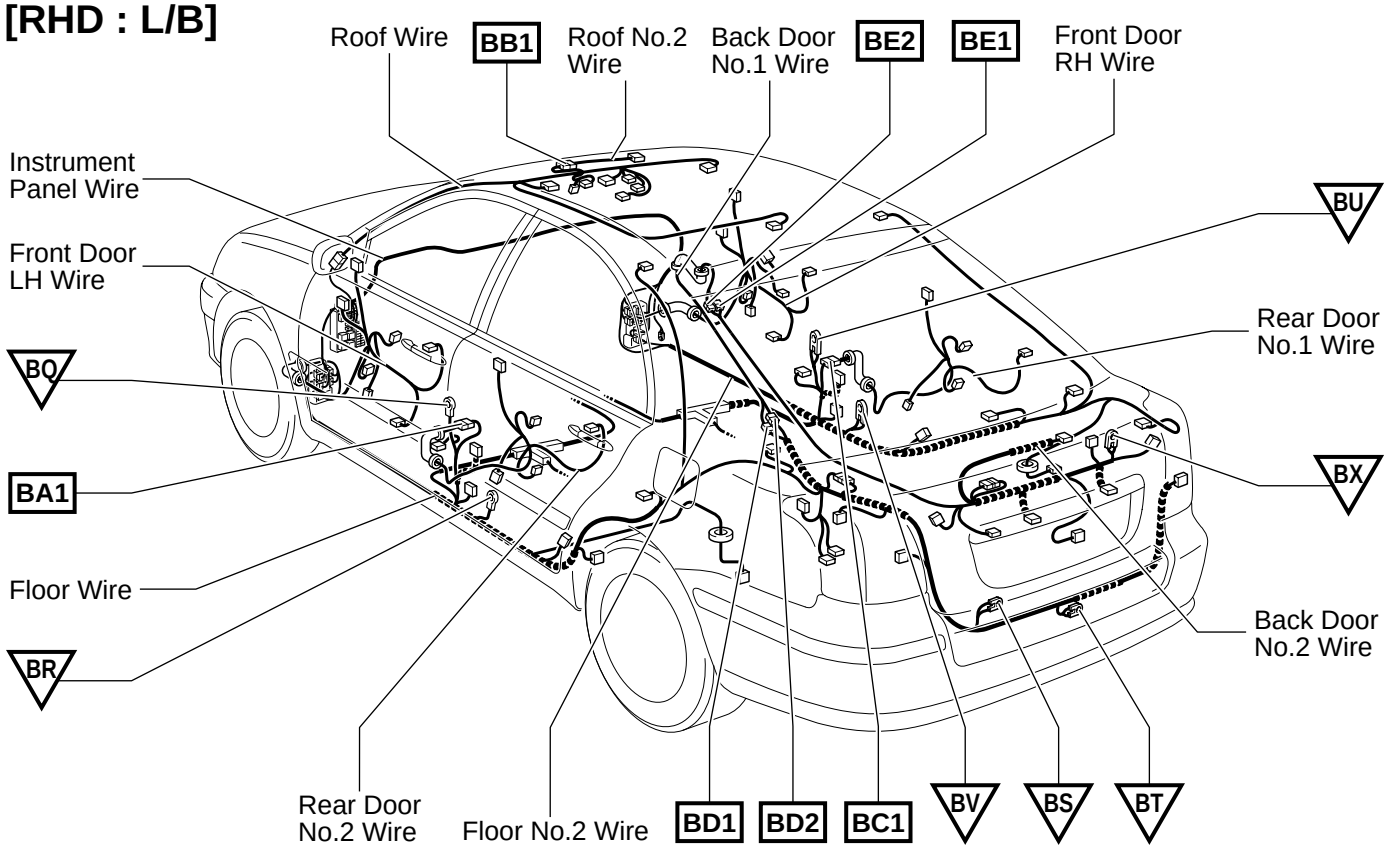
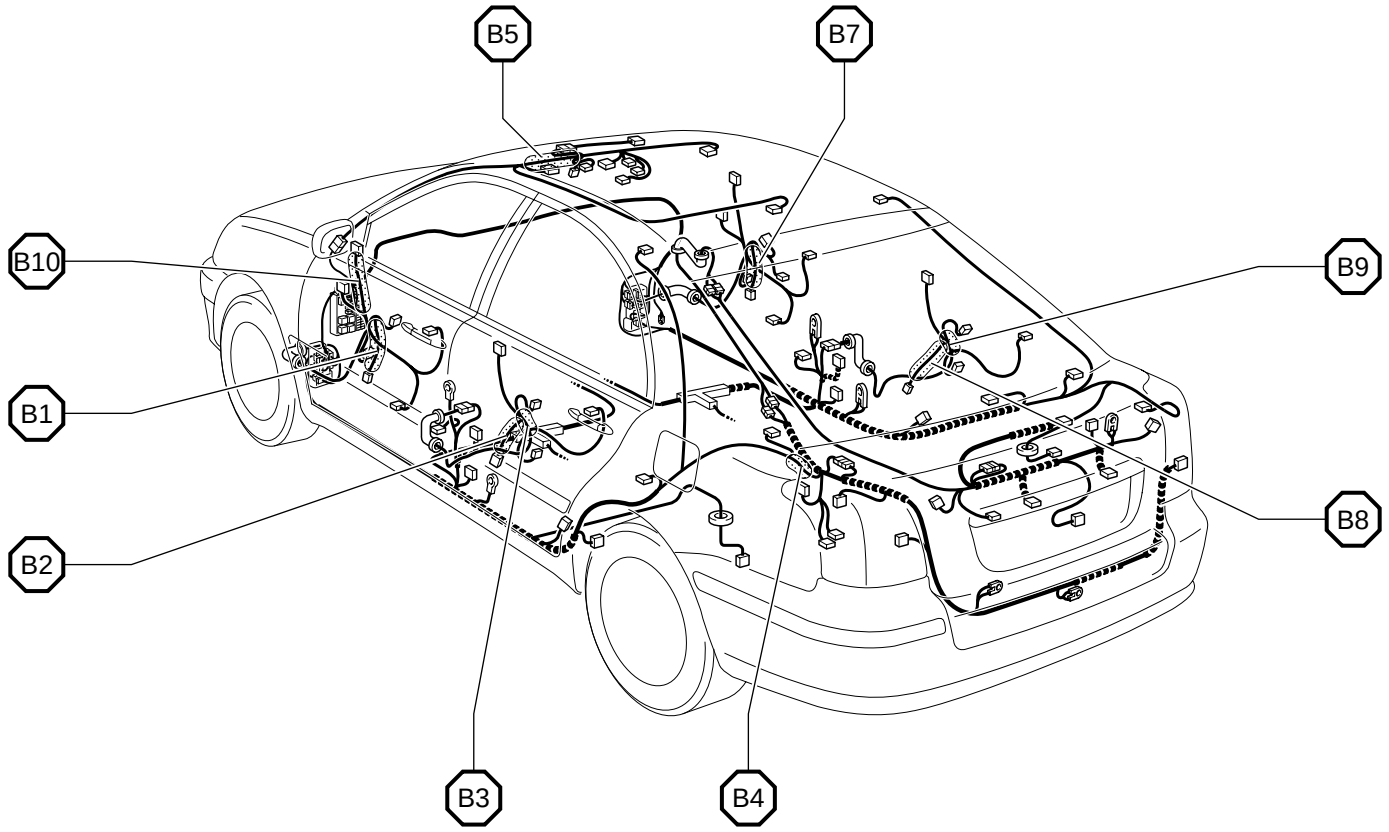
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : L/B]



○ : Location of Splice Points



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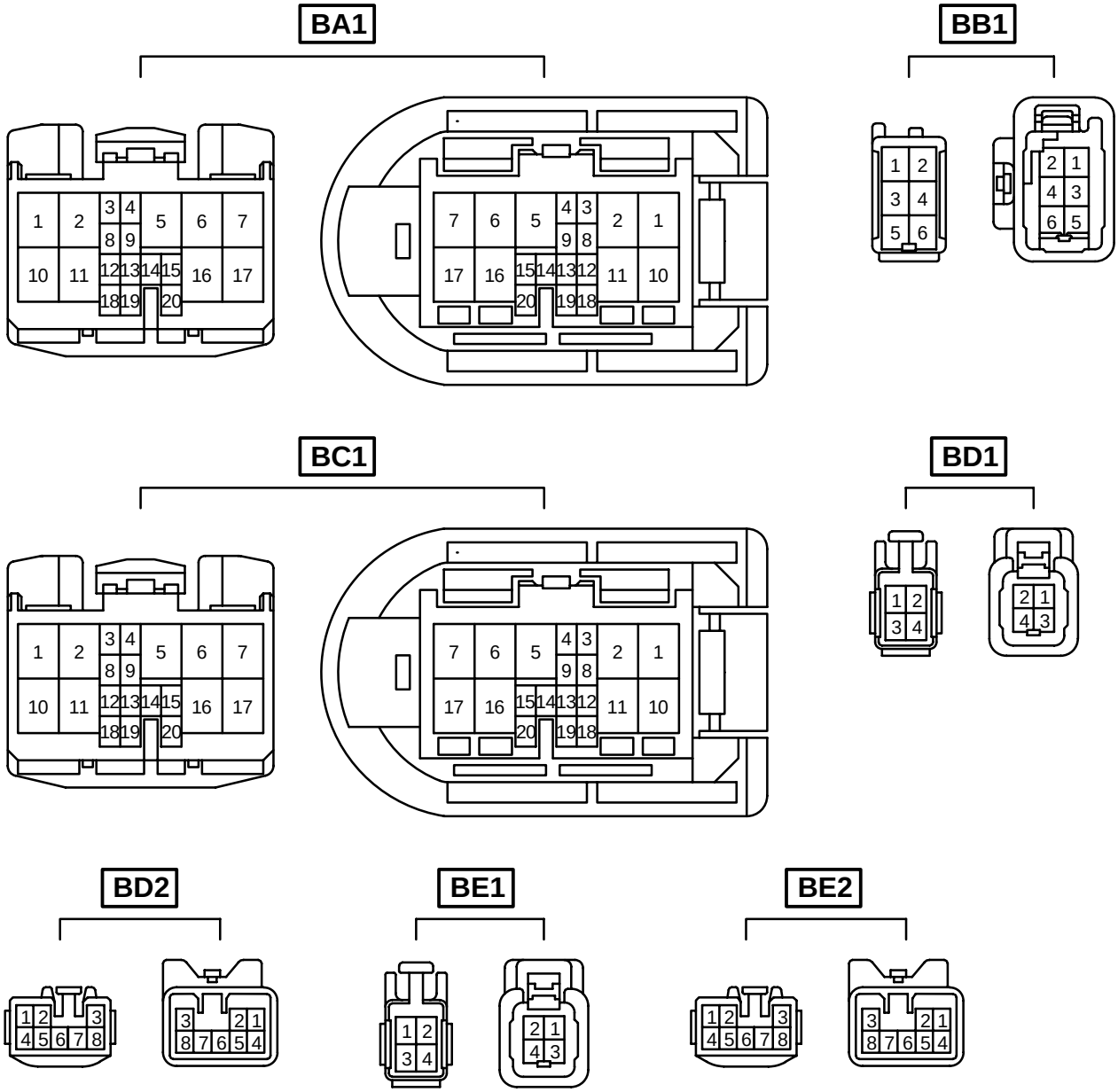
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BD1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BD2	
BE1	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BE2	

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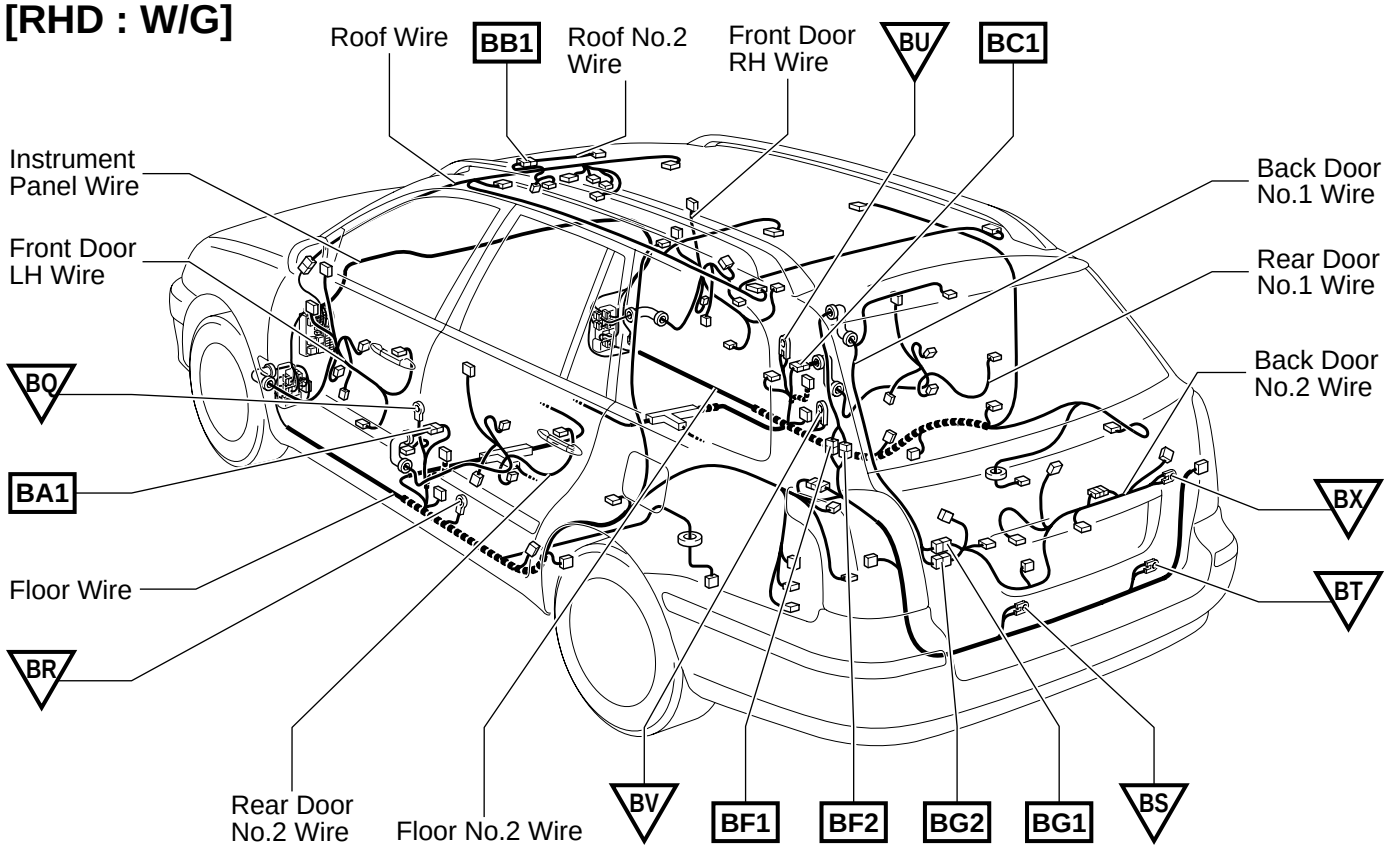
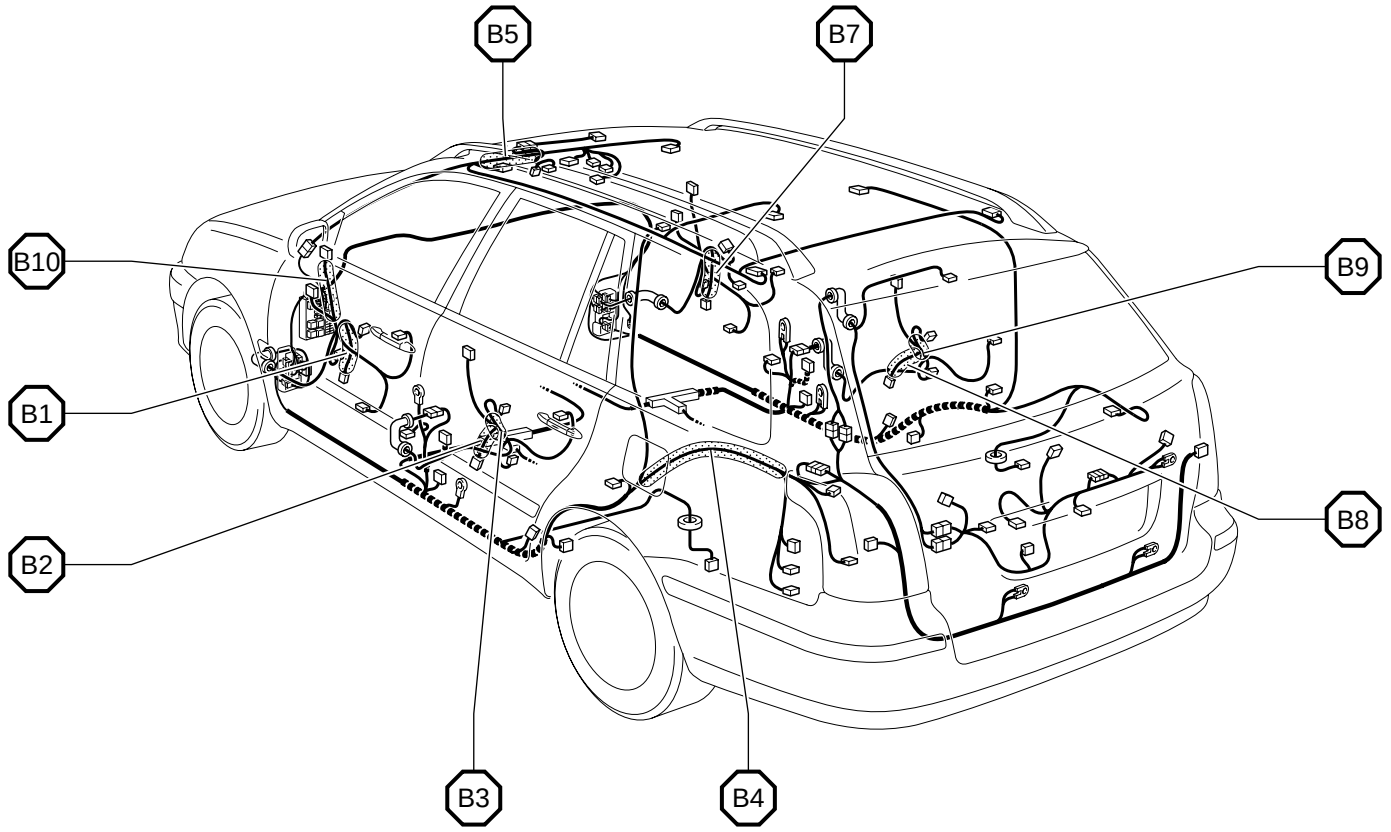
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : W/G]



○ : Location of Splice Points



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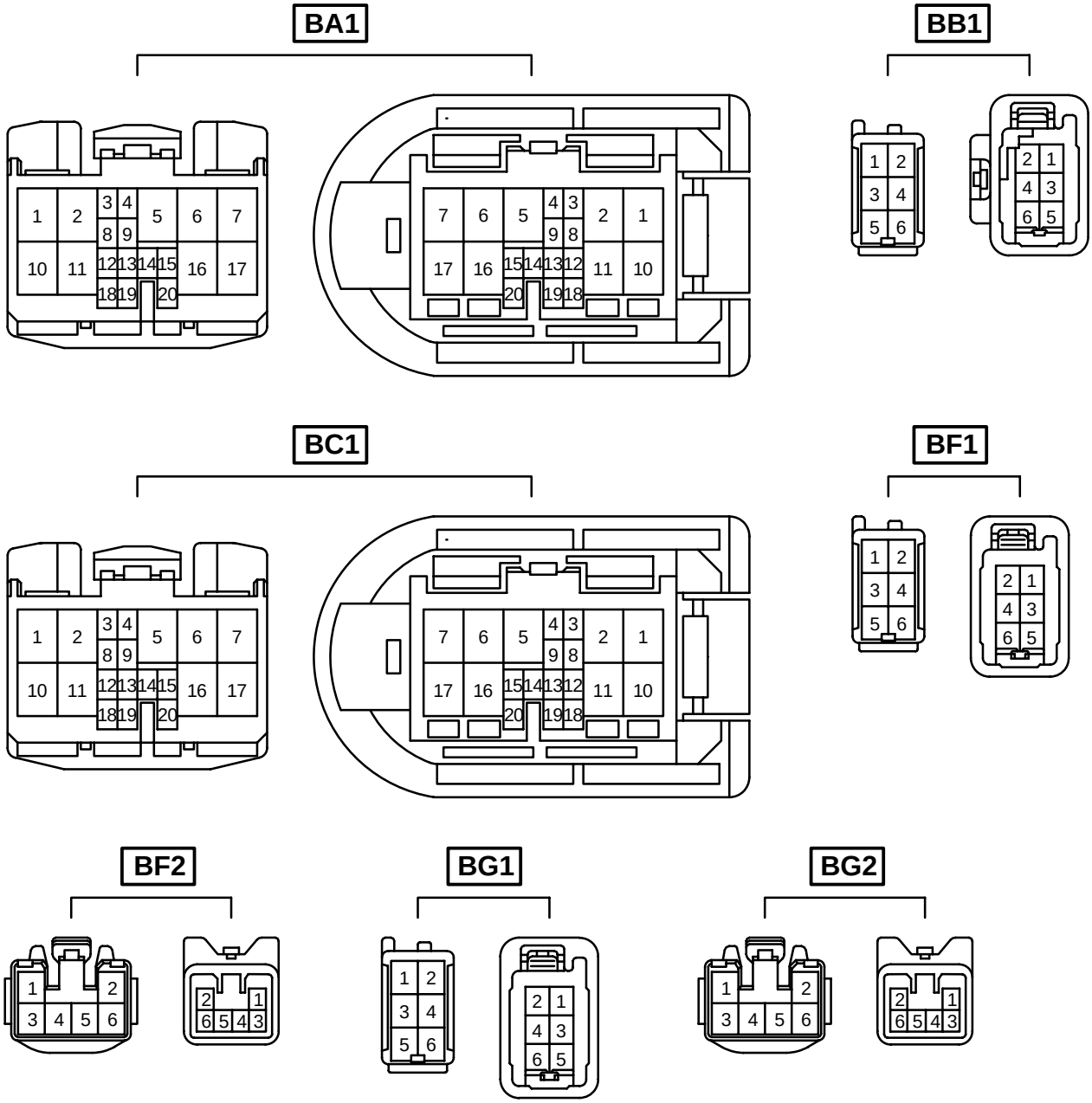
Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BF1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BF2	
BG1	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BG2	

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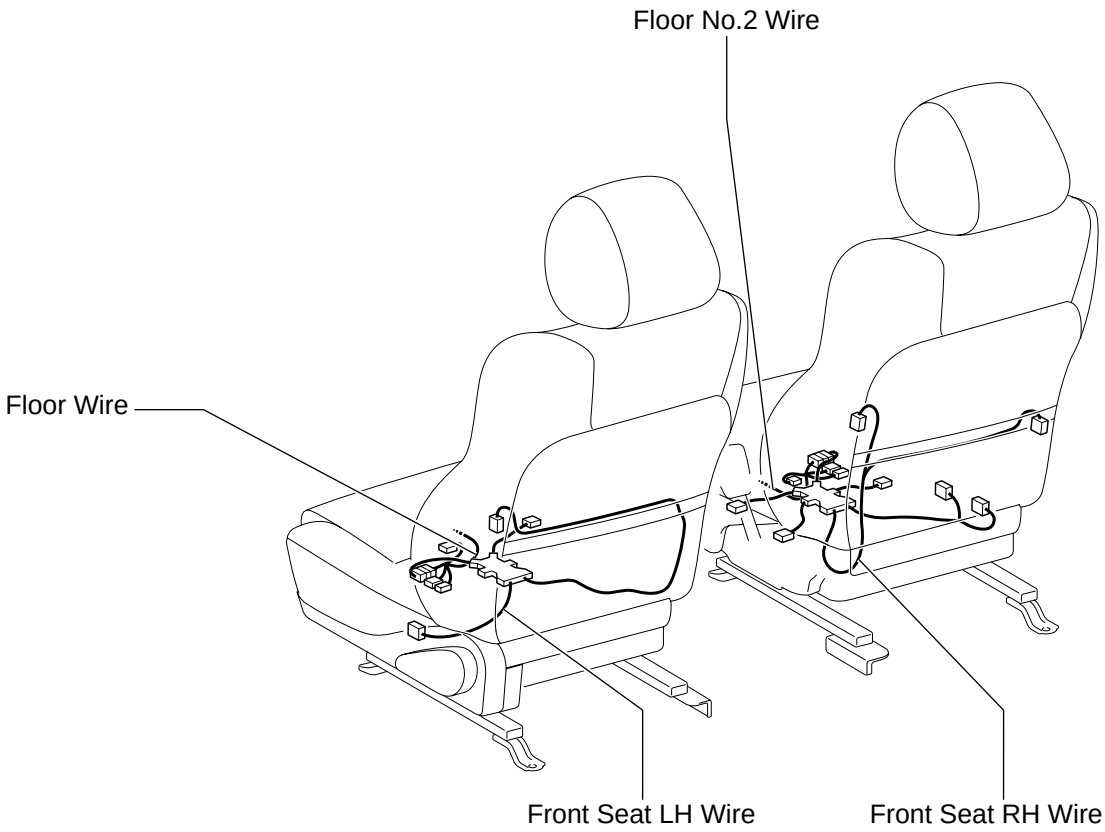
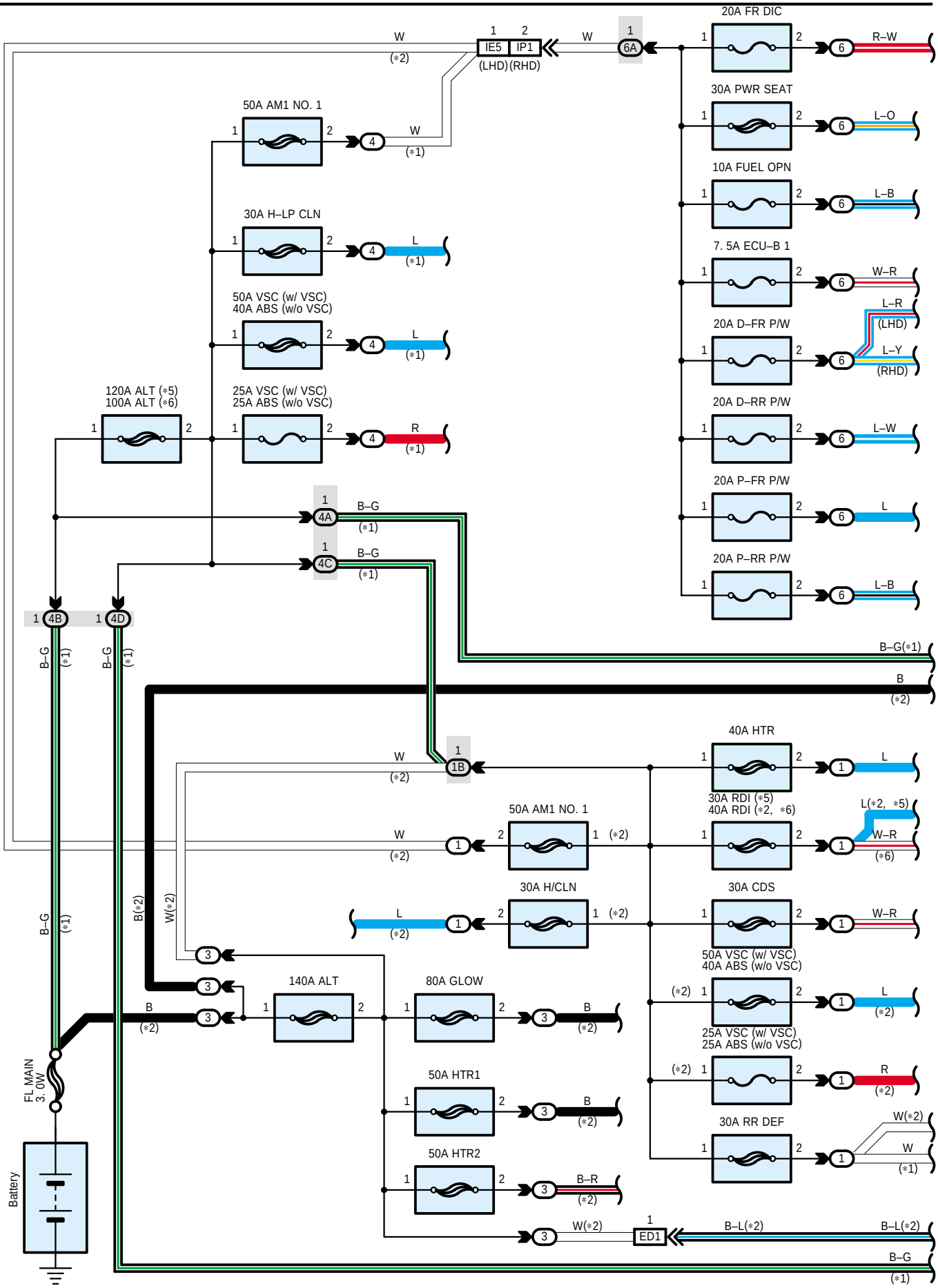
[RHD]



http://vnx.su


20A FR DIC
30A PWR SEAT
10A FUEL OPN
7. 5A ECU–B 1
20A D–FR P/W
20A D–RR P/W
20A P–FR P/W
20A P–RR P/W
50A AM1 NO. 1
30A H–LP CLN
50A VSC (w/ VSC)
40A ABS (w/o VSC)
120A ALT (∗5)
100A ALT (∗6)
25A VSC (w/ VSC)
25A ABS (w/o VSC)
IE5
IP1
(LHD)(RHD)
6A
4A
4C
4B
4D
1B
ED1
B–G(∗1)
B(∗2)
W(∗2)
40A HTR
30A RDI (∗5)
40A RDI (∗2, ∗6)
30A H/CLN
30A CDS
140A ALT
80A GLOW
50A HTR1
50A HTR2
30A RR DEF
FL MAIN
3. 0W
Battery

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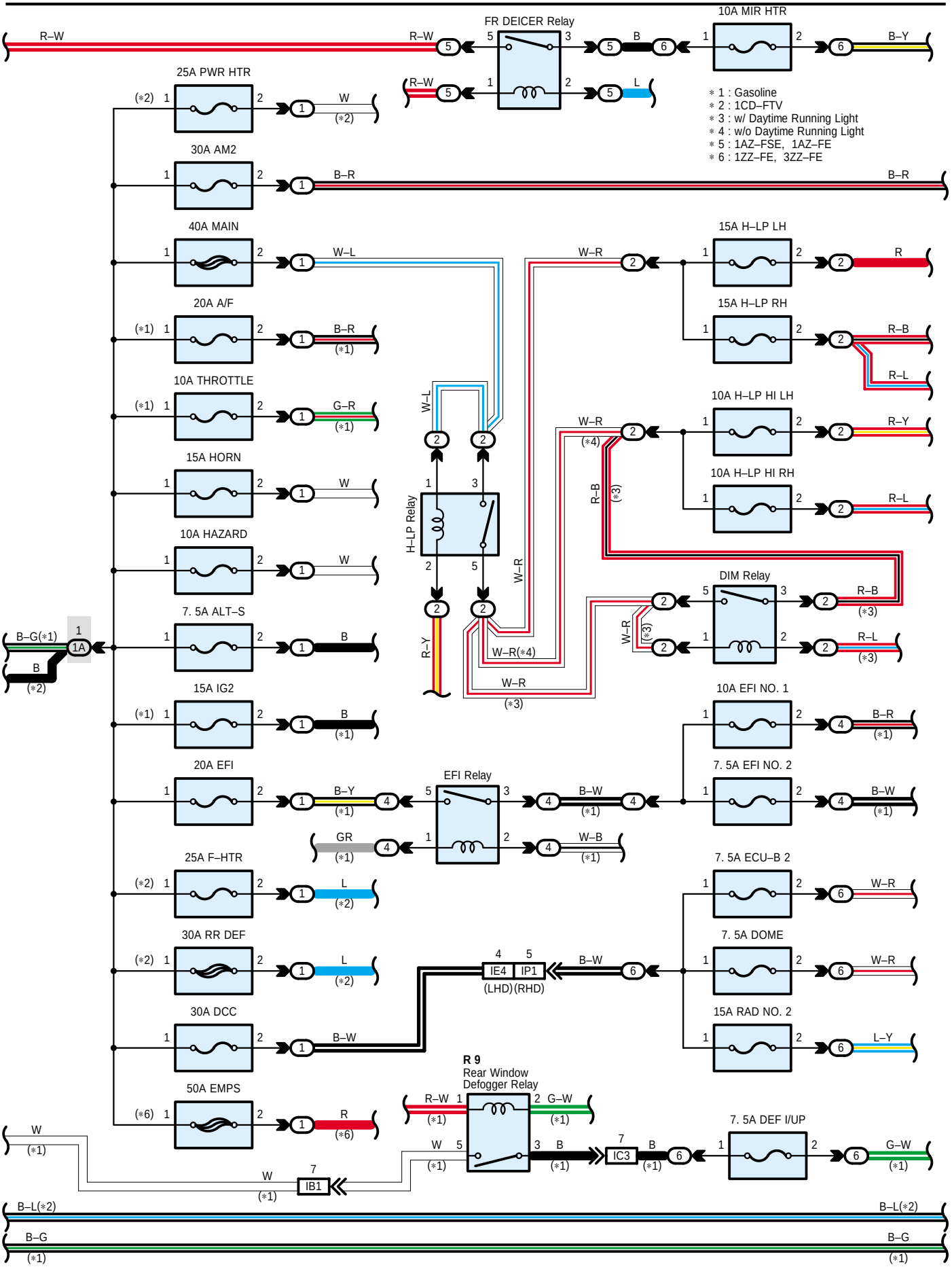
FR DEICER Relay
10A MIR HTR
25A PWR HTR
30A AM2
40A MAIN
20A A/F
10A THROTTLE
15A HORN
10A HAZARD
7. 5A ALT–S
15A IG2
20A EFI
25A F–HTR
30A RR DEF
30A DCC
50A EMPS
15A H–LP LH
15A H–LP RH
10A H–LP HI LH
10A H–LP HI RH
H–LP Relay
DIM Relay
EFI Relay
10A EFI NO. 1
7. 5A EFI NO. 2
7. 5A ECU–B 2
7. 5A DOME
15A RAD NO. 2
7. 5A DEF I/UP
R 9
Rear Window
Defogger Relay
IE4
IP1
(LHD)(RHD)
IB1
IC3
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/ Daytime Running Light
∗ 4 : w/o Daytime Running Light
∗ 5 : 1AZ–FSE, 1AZ–FE
∗ 6 : 1ZZ–FE, 3ZZ–FE

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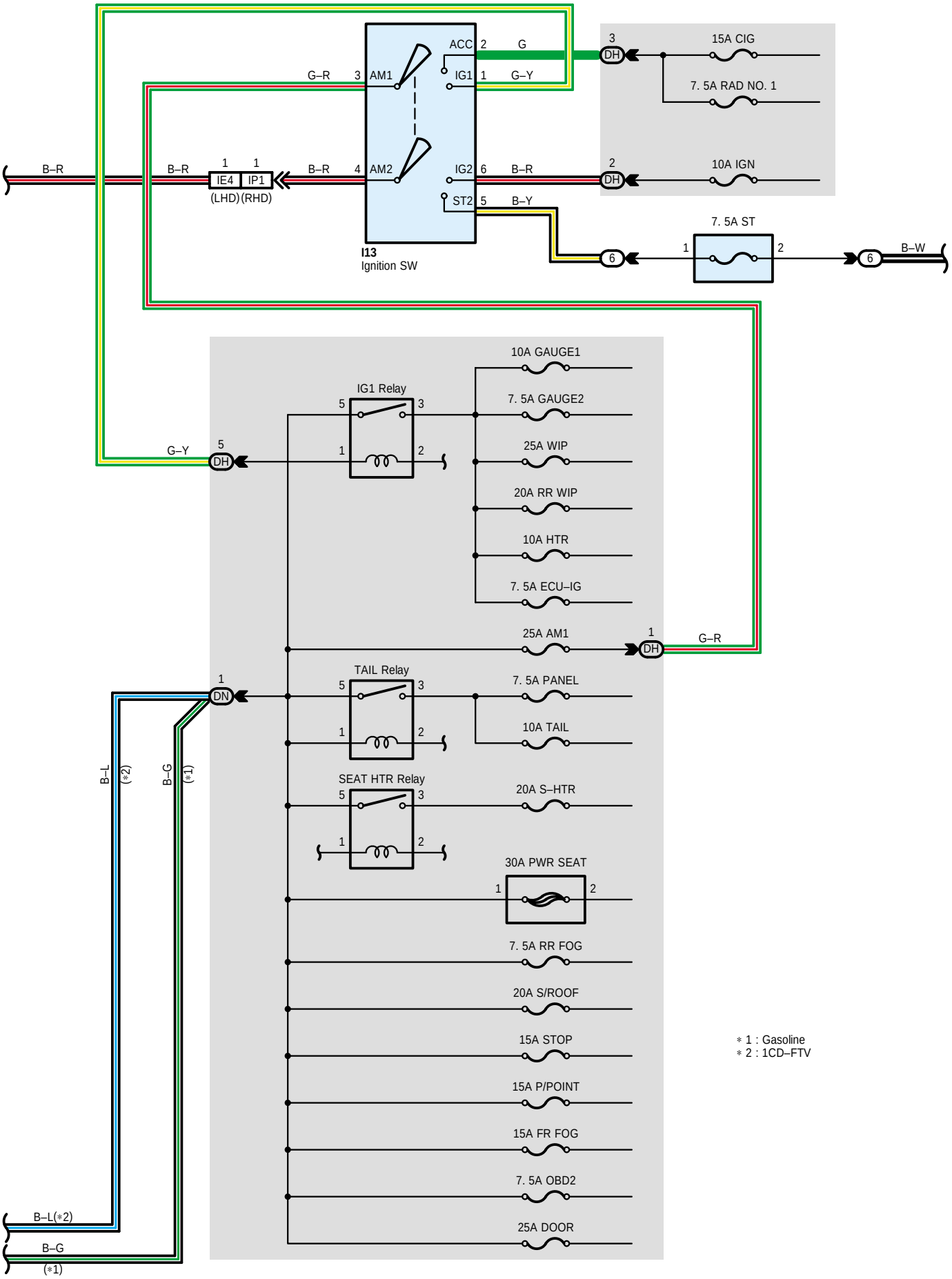
ACC
IG1
AM1
AM2
IG2
ST2
G–R
G–Y
B–R
B–Y
G
3
2
1
4
6
5
DH
15A CIG
7. 5A RAD NO. 1
10A IGN
7. 5A ST
B–W
IE4
IP1
(LHD)
(RHD)
I13
Ignition SW
10A GAUGE1
IG1 Relay
7. 5A GAUGE2
25A WIP
20A RR WIP
10A HTR
7. 5A ECU–IG
25A AM1
G–R
TAIL Relay
7. 5A PANEL
10A TAIL
SEAT HTR Relay
20A S–HTR
30A PWR SEAT
7. 5A RR FOG
20A S/ROOF
15A STOP
15A P/POINT
15A FR FOG
7. 5A OBD2
25A DOOR
DN
B–L
B–G
(*1)
(*2)
B–L(*2)
B–G
(*1)
* 1 : Gasoline
* 2 : 1CD–FTV

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Service Hints

I13 Ignition SW

3–2 : Closed with the ignition key at ACC or ON position
3–1 : Closed with the ignition key at ON or ST position
4–6 : Closed with the ignition key at ON or ST position
4–5 : Closed with the ignition key at ST position

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
I13	47 (LHD)	R9	49 (LHD)		
	67 (RHD)		69 (RHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
	28 (RHD)	Driver Side R/B (Instrument Panel Reinforcement LH)
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
	25 (*2)	Engine Wire and Engine Room J/B No.1 (Engine Compartment Left)
1B	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
	25 (*2)	Engine Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
4C		
4D		
6A	29	Instrument Panel Wire and J/B No.6 (Lower Finish Panel)
DH	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IC3	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE4	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE5		
IP1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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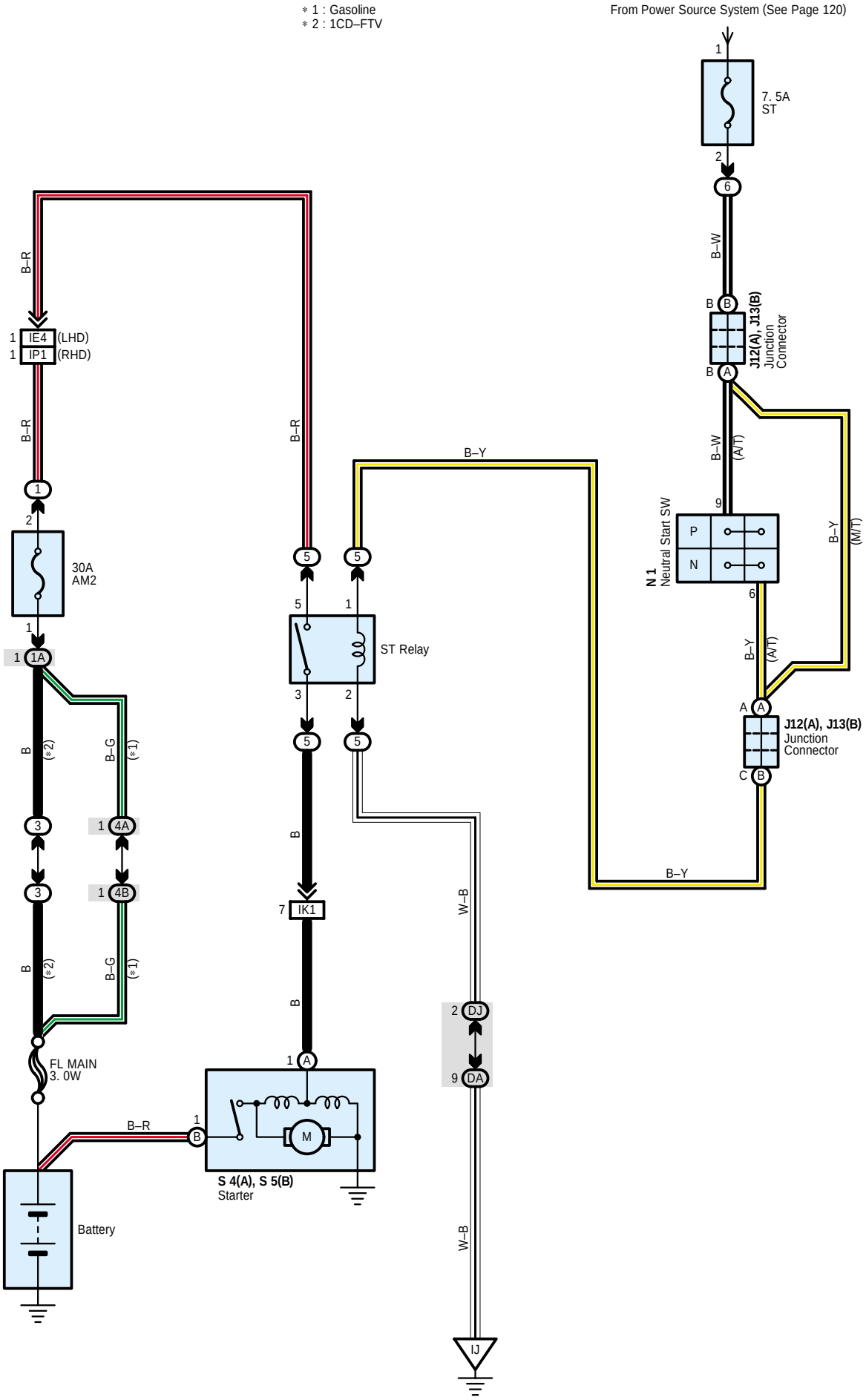
* 1 : Gasoline
* 2 : 1CD–FTV
From Power Source System (See Page 120)
7. 5A
ST
B–W
J12(A), J13(B)
Junction
Connector
B–W
(A/T)
B–Y
(M/T)
N 1
Neutral Start SW
P
N
B–Y
(A/T)
J12(A), J13(B)
Junction
Connector
B–Y
B–R
IE4 (LHD)
IP1 (RHD)
30A
AM2
1A
B
(*2)
B–G
(*1)
4A
4B
FL MAIN
3. 0W
B–R
Battery
ST Relay
IK1
W–B
DJ
DA
W–B
IJ
S 4(A), S 5(B)
Starter
M

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Service Hints

S4 (A), S5 (B) Starter

Point closed with the neutral start SW at P or N position and the ignition SW at ST position (A/T)
Point closed with the ignition SW at ST position (M/T)

N1 Neutral Start SW

9–6 : Closed with the shift lever in P or N position

ST Relay

5–3 : Closed with the neutral start SW at P or N position and the ignition SW at ST position (A/T)
Closed with the ignition SW at ST position (M/T)

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
J12	A	48 (LHD)	N1		63 (*9)	S5	B	39 (*3)
		68 (RHD)	S4	A	39 (*3)			41 (*4)
J13	B	48 (LHD)			41 (*4)			43 (*5)
		68 (RHD)			43 (*5)			45 (*6)
N1		39 (*3)			45 (*6)			59 (*7)
		41 (*4)			59 (*7)			61 (*8)
		43 (*5)			61 (*8)			63 (*9)
		59 (*7)			63 (*9)			65 (*10)
		61 (*8)			65 (*10)			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
	28 (RHD)	Driver Side R/B (Instrument Panel Reinforcement LH)
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
	25 (*2)	Engine Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DJ		

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE4	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IP1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)

▽ : Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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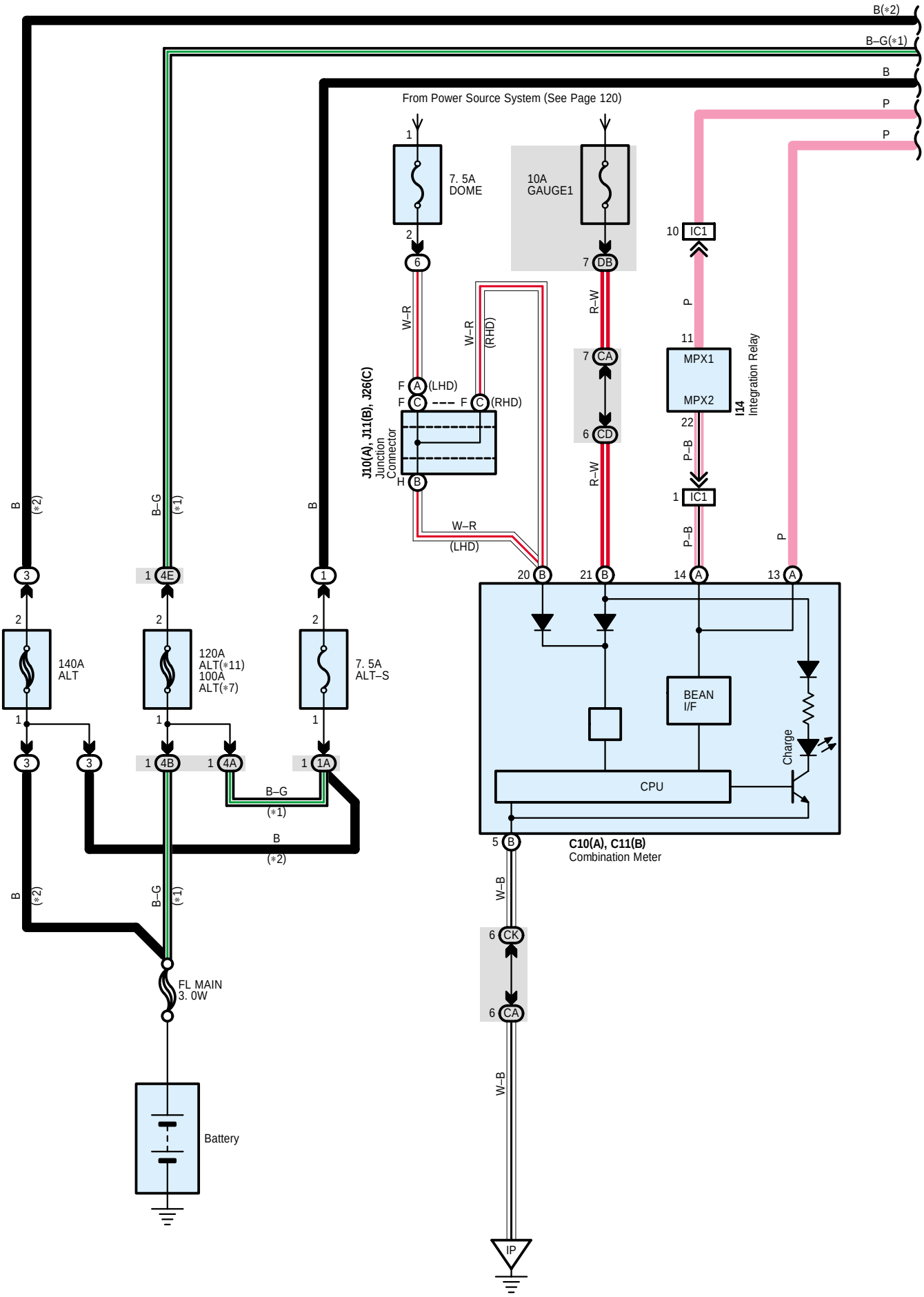
B(*2)
B–G(*1)
B
P
P
From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
IC1
MPX1
MPX2
I14
Integration Relay
W–R
W–R
(RHD)
R–W
P
P–B
J10(A), J11(B), J26(C)
Junction
Connector
(LHD)
(RHD)
W–R
(LHD)
R–W
P–B
P
140A
ALT
120A
ALT(*11)
100A
ALT(*7)
7. 5A
ALT–S
B–G
(*1)
B
(*2)
B–G
(*1)
B
(*2)
BEAN
I/F
Charge
CPU
C10(A), C11(B)
Combination Meter
W–B
W–B
FL MAIN
3. 0W
Battery
IP

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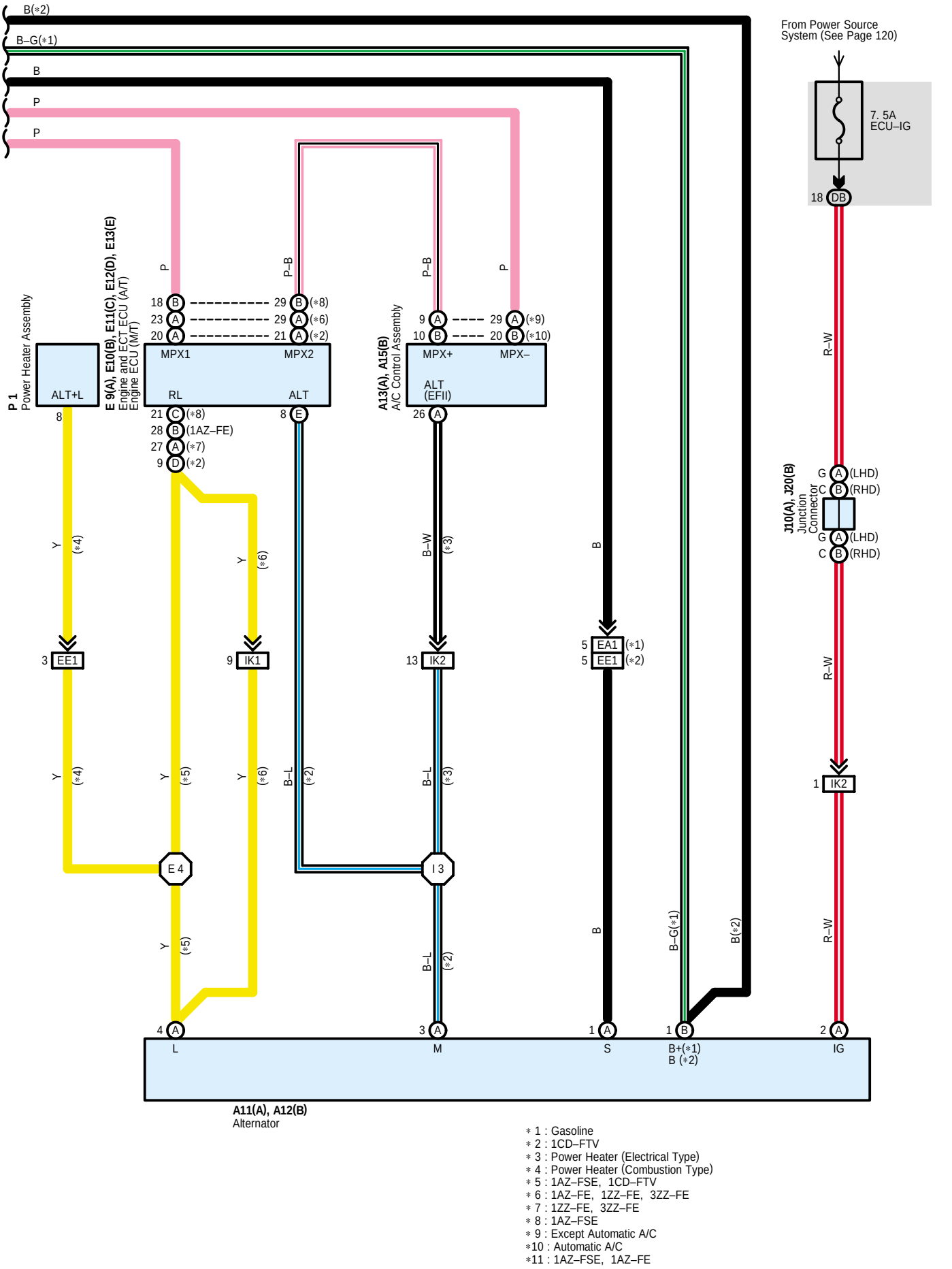

* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 1AZ–FSE, 1CD–FTV
* 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : 1AZ–FSE
* 9 : Except Automatic A/C
*10 : Automatic A/C
*11 : 1AZ–FSE, 1AZ–FE

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Service Hints

A11 (A) Alternator

(A) 1–Ground : 13.2–14.0 volts with the engine running at 6000 rpm and 135˚C (275˚F) (Gasoline)
13.2–14.0 volts with the engine running at 5000 rpm and 115˚C (239˚F) (1CD–FTV, taxi package w/ A/C)
13.2–13.7 volts with the engine running at 5000 rpm and 115˚C (239˚F) (Taxi package w/o A/C)

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A11	A	38 (*3)	A12	B	62 (*9)	E11	C	47 (LHD)
		40 (*4)			64 (*10)			67 (RHD)
		42 (*5)	A13	A	46 (LHD)	E12	D	47 (LHD)
		44 (*6)			66 (RHD)			67 (RHD)
		58 (*7)	A15	B	46 (LHD)	E13	E	47 (LHD)
		60 (*8)			66 (RHD)			67 (RHD)
		62 (*9)	C10	A	46 (LHD)	I14		47 (LHD)
		64 (*10)			66 (RHD)			67 (RHD)
A12	B	38 (*3)	C11	B	46 (LHD)	J10	A	48 (LHD)
		40 (*4)			66 (RHD)	J11	B	48 (LHD)
		42 (*5)	E9	A	47 (LHD)	J20	B	68 (RHD)
		44 (*6)			67 (RHD)	J26	C	68 (RHD)
		58 (*7)	E10	B	47 (LHD)	P1		45 (*6)
		60 (*8)			67 (RHD)			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
	25 (*2)	Engine Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
4E	27	Engine Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CK	35	
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	78 (*3)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	80 (*4)	
	82 (*5)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
EE1	84 (*6)	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
	104 (*10)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	84 (*6)	Engine Wire	I3	108 (RHD)	Engine Wire
I3	88 (LHD)				

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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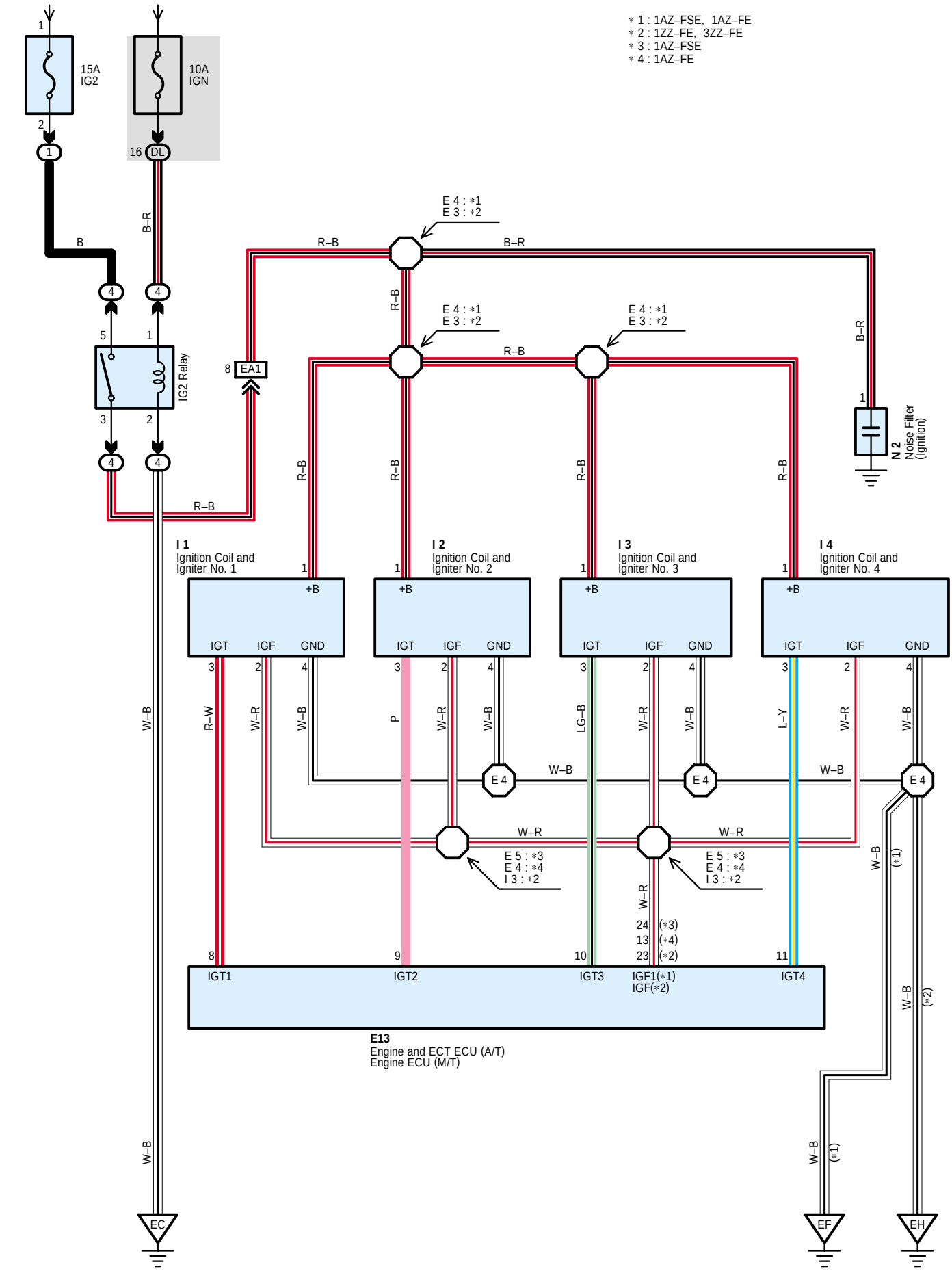
Ignition

From Power Source System (See Page 120)



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Service Hints

I1, I2, I3, I4 Ignition Coil and Igniter No.1, No.2, No.3, No.4

1–Ground : Approx. 12 volts with the ignition SW at ON position

4–Ground : Always continuity

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
E13	47 (LHD)	I2	59 (*7)	I4	43 (*5)
	67 (RHD)		61 (*8)		59 (*7)
I1	39 (*3)		63 (*9)		61 (*8)
	41 (*4)	I3	39 (*3)		63 (*9)
	43 (*5)		41 (*4)	N2	39 (*3)
	59 (*7)		43 (*5)		41 (*4)
	61 (*8)		59 (*7)		43 (*5)
	63 (*9)		61 (*8)		59 (*7)
I2	39 (*3)		63 (*9)		61 (*8)
	41 (*4)	I4	39 (*3)		63 (*9)
	43 (*5)		41 (*4)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	78 (*3)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	80 (*4)	
	82 (*5)	
	98 (*7)	
	100 (*8)	
	102 (*9)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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▽ : **Ground Points**

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EF	78 (*3)	Left Side of the Cylinder Head
	80 (*4)	
	98 (*7)	
	100 (*8)	
EH	82 (*5)	
	102 (*9)	

○ : **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E3	82 (*5)	Engine Wire	E4	100 (*8)	Engine Wire
	102 (*9)			102 (*9)	
E4	78 (*3)		E5	78 (*3)	
	80 (*4)			98 (*7)	
	82 (*5)		I3	88 (LHD)	
	98 (*7)			108 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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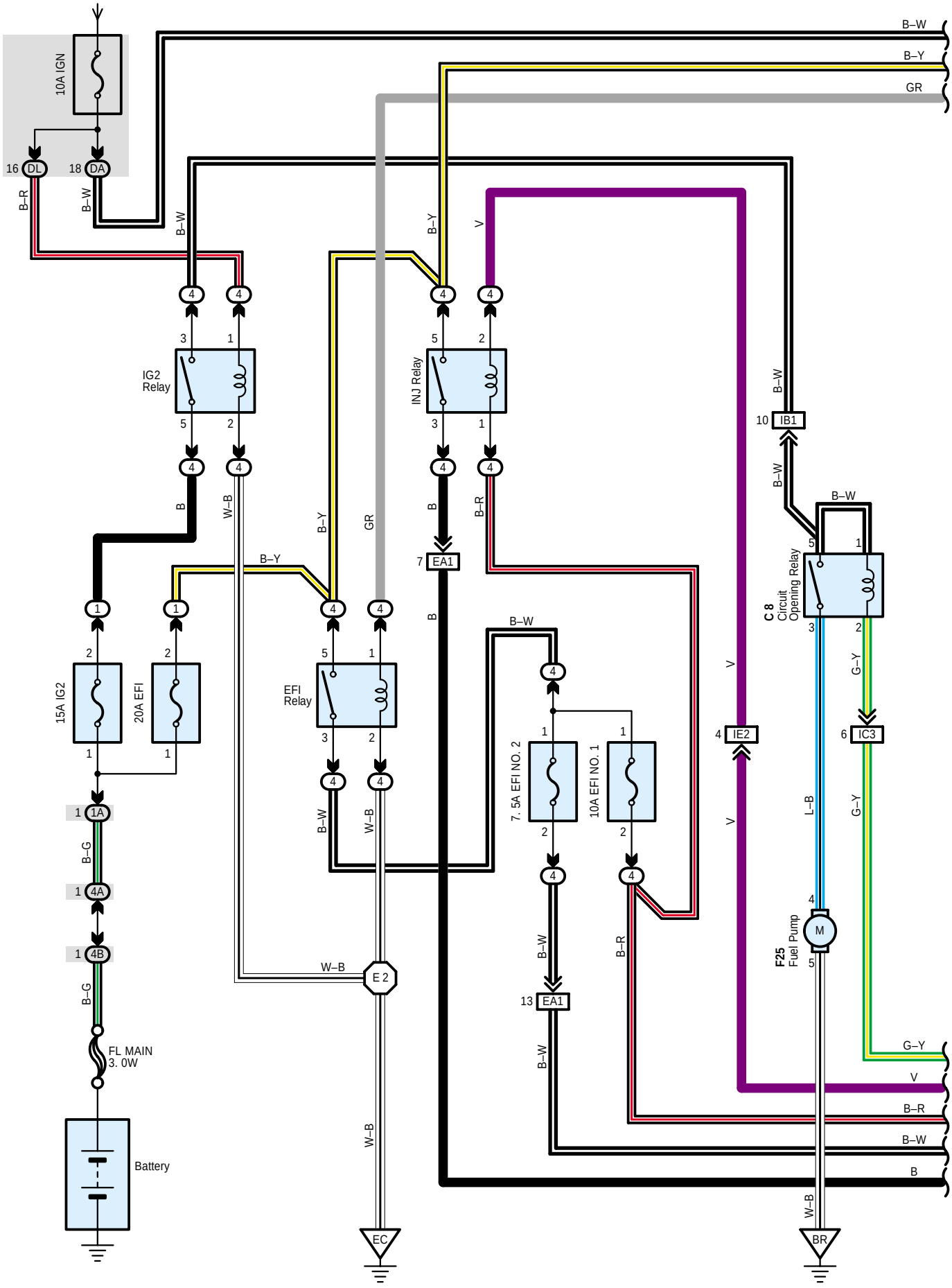
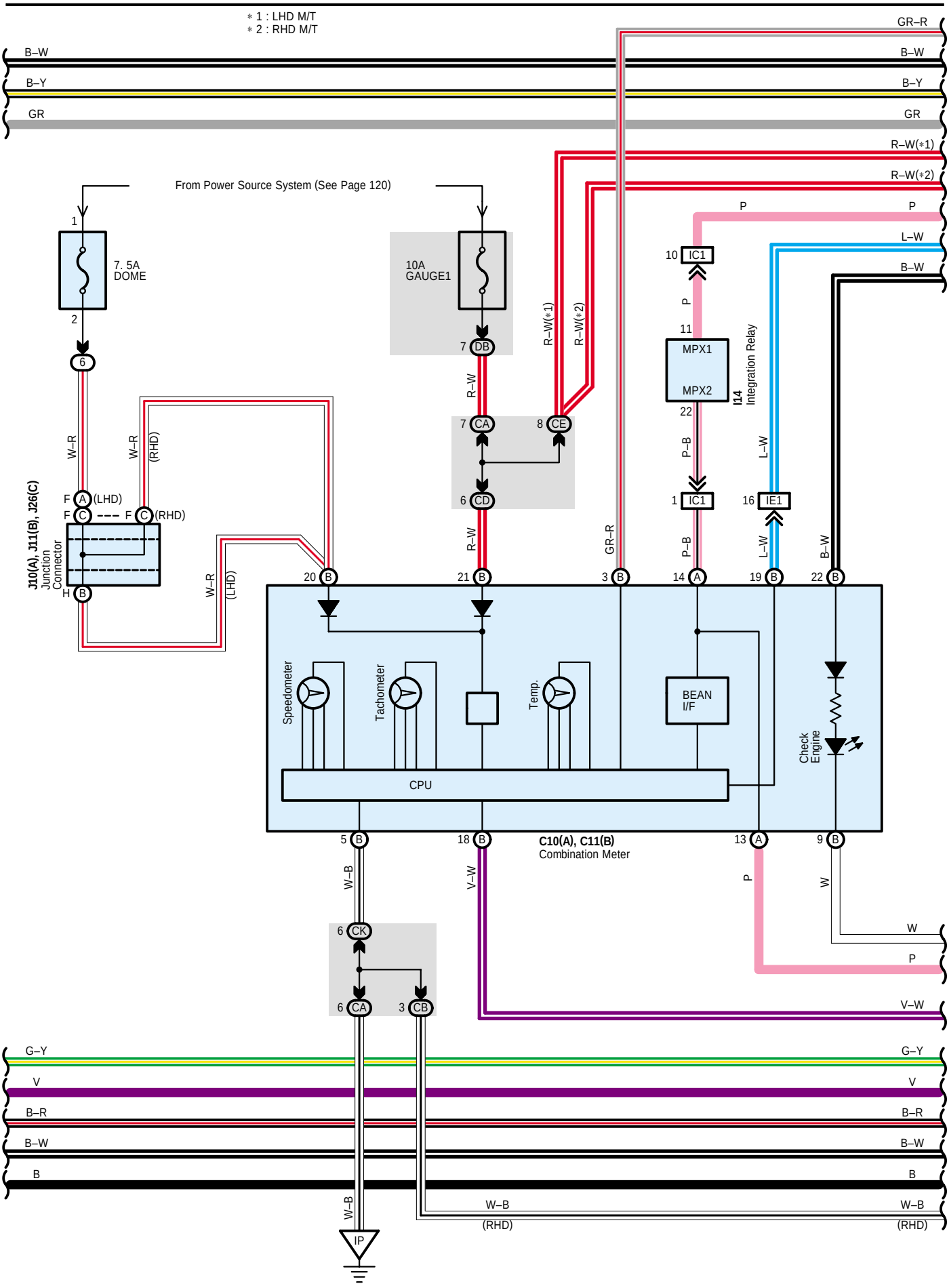
From Power Source System (See Page 120)



http://vnx.su


*1 : LHD M/T
*2 : RHD M/T
From Power Source System (See Page 120)
7. 5A DOME
10A GAUGE1
J10(A), J11(B), J26(C) Junction Connector
I14 Integration Relay
MPX1
MPX2
IC1
IE1
C10(A), C11(B) Combination Meter
CPU
Speedometer
Tachometer
Temp.
BEAN I/F
Check Engine
IP
GR–R
B–W
B–Y
GR
R–W(*1)
R–W(*2)
P
L–W
W–R
W–R (RHD)
W–R (LHD)
R–W
GR–R
P–B
L–W
B–W
W–B
V–W
W
G–Y
V
B–R
B
W–B (RHD)

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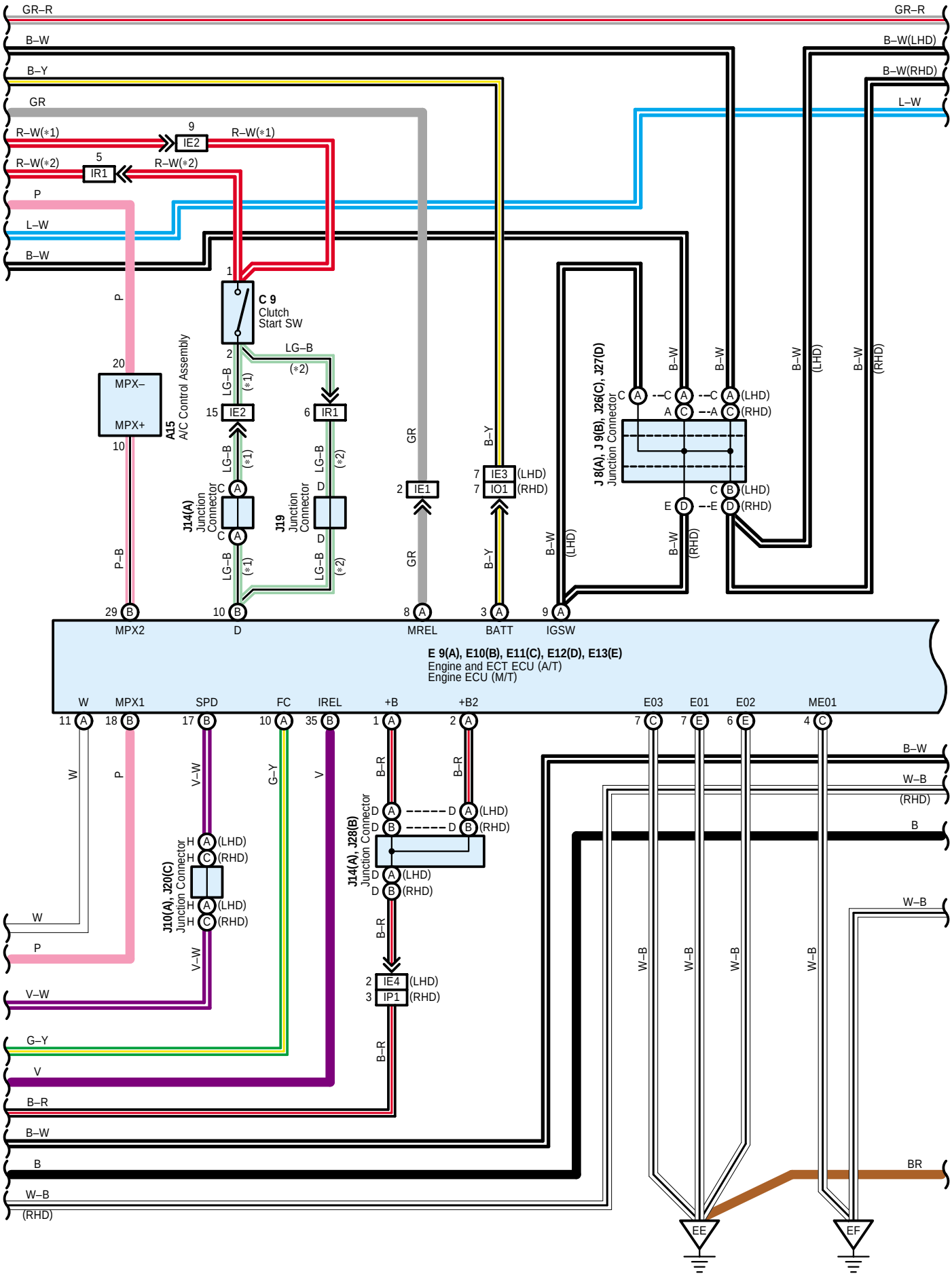
GR–R
B–W
B–Y
GR
R–W(*1)
R–W(*2)
P
L–W
B–W
GR–R
B–W(LHD)
B–W(RHD)
L–W
9
IE2
5
IR1
C 9
Clutch
Start SW
A15
A/C Control Assembly
MPX–
MPX+
20
10
P
P–B
LG–B
(*1)
(*2)
15
6
J14(A)
Junction
Connector
J19
Junction
Connector
GR
B–Y
2
IE1
7
IE3 (LHD)
7
IO1 (RHD)
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
B–W
(LHD)
(RHD)
29
10
8
3
9
MPX2
D
MREL
BATT
IGSW
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
W
MPX1
SPD
FC
IREL
+B
+B2
E03
E01
E02
ME01
11
18
17
10
35
1
2
7
7
6
4
V–W
G–Y
V
B–R
J10(A), J20(C)
Junction Connector
J14(A), J28(B)
Junction Connector
H
D
(LHD)
(RHD)
2
IE4 (LHD)
3
IP1 (RHD)
W–B
B
BR
EE
EF

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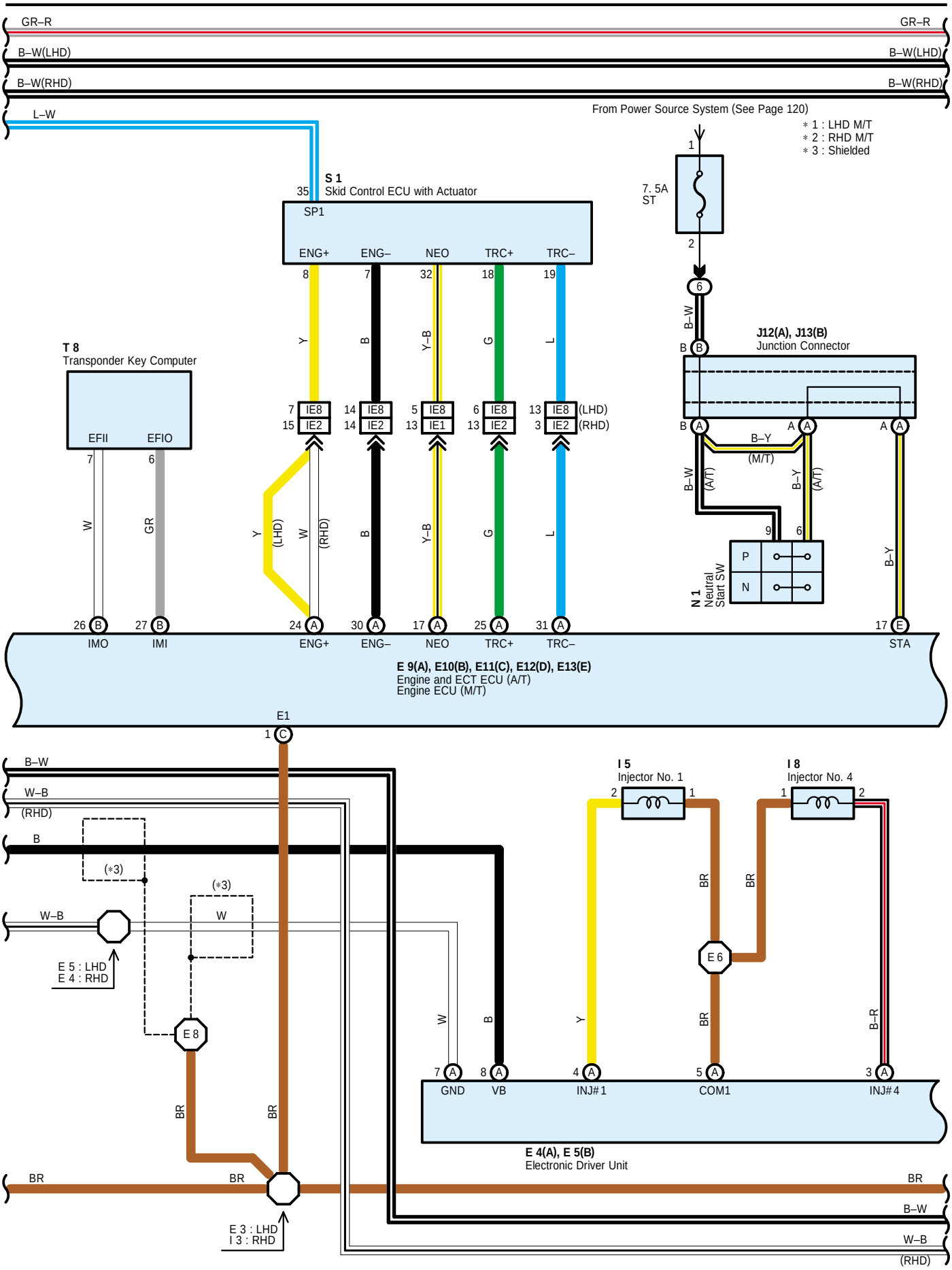
GR–R
B–W(LHD)
B–W(RHD)
L–W
From Power Source System (See Page 120)
∗ 1 : LHD M/T
∗ 2 : RHD M/T
∗ 3 : Shielded
S 1
Skid Control ECU with Actuator
SP1
ENG+
ENG–
NEO
TRC+
TRC–
7. 5A
ST
T 8
Transponder Key Computer
EFII
EFIO
J12(A), J13(B)
Junction Connector
IE8
IE2
IE1
(LHD)
(RHD)
B–Y
(M/T)
B–W
(A/T)
B–Y
(A/T)
N 1
Neutral
Start SW
P
N
IMO
IMI
STA
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
E1
B–W
W–B
(RHD)
B
(∗3)
W–B
W
E 5 : LHD
E 4 : RHD
E 8
BR
I 5
Injector No. 1
I 8
Injector No. 4
E 6
B–R
GND
VB
INJ#1
COM1
INJ#4
E 4(A), E 5(B)
Electronic Driver Unit
E 3 : LHD
I 3 : RHD

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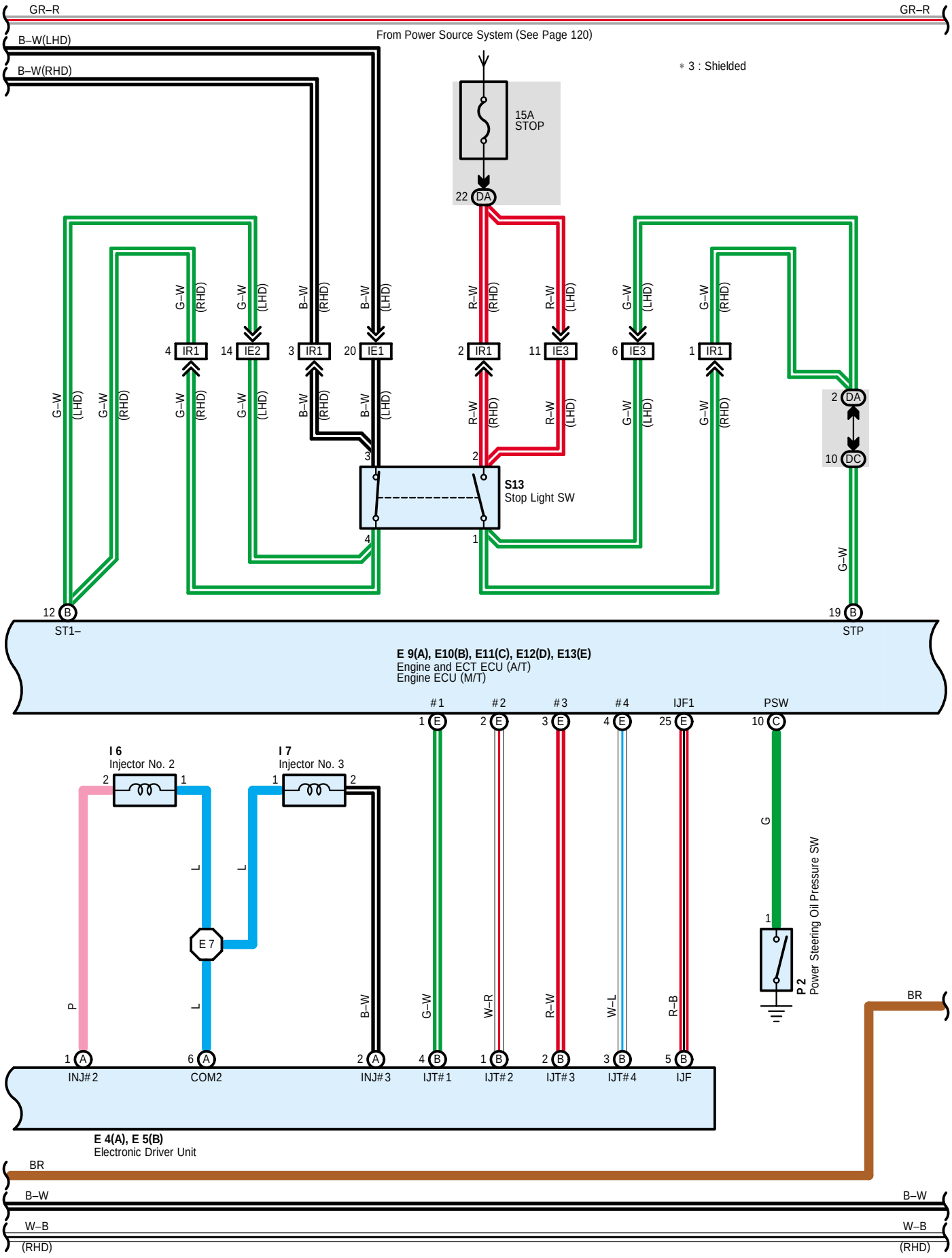
GR–R
GR–R
From Power Source System (See Page 120)
B–W(LHD)
B–W(RHD)
∗ 3 : Shielded
15A
STOP
22 DA
G–W (LHD)
G–W (RHD)
G–W (RHD)
G–W (LHD)
B–W (RHD)
B–W (LHD)
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
4 IR1
14 IE2
3 IR1
20 IE1
2 IR1
11 IE3
6 IE3
1 IR1
2 DA
10 DC
S13
Stop Light SW
12 B
ST1–
19 B
STP
G–W
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
#1
#2
#3
#4
IJF1
PSW
I 6
Injector No. 2
I 7
Injector No. 3
E 7
P
L
L
L
B–W
G–W
W–R
R–W
W–L
R–B
G
P 2
Power Steering Oil Pressure SW
INJ#2
COM2
INJ#3
IJT#1
IJT#2
IJT#3
IJT#4
IJF
E 4(A), E 5(B)
Electronic Driver Unit
BR
BR
B–W
B–W
W–B
W–B
(RHD)
(RHD)

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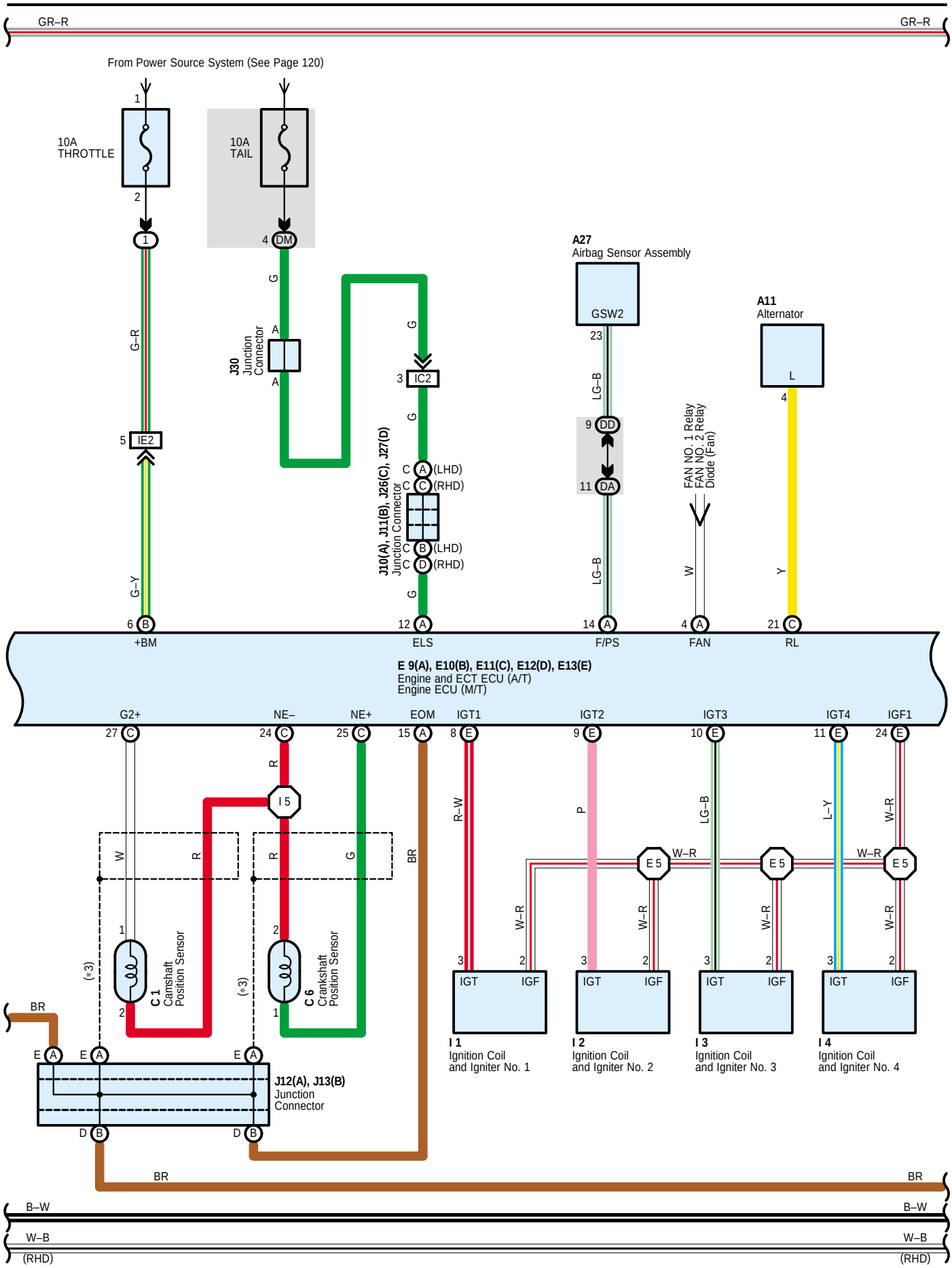
GR–R
GR–R
From Power Source System (See Page 120)
10A
THROTTLE
10A
TAIL
G–R
G–Y
G
J30
Junction
Connector
IC2
J10(A), J11(B), J26(C), J27(D)
Junction Connector
(LHD)
(RHD)
A27
Airbag Sensor Assembly
GSW2
LG–B
DD
DA
FAN NO. 1 Relay
FAN NO. 2 Relay
Diode (Fan)
W
A11
Alternator
L
Y
+BM
ELS
F/PS
FAN
RL
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
G2+
NE–
NE+
EOM
IGT1
IGT2
IGT3
IGT4
IGF1
I 5
R
BR
R–W
P
LG–B
L–Y
W–R
E 5
C 1
Camshaft
Position Sensor
C 6
Crankshaft
Position Sensor
(*3)
J12(A), J13(B)
Junction
Connector
IGT
IGF
I 1
Ignition Coil
and Igniter No. 1
I 2
Ignition Coil
and Igniter No. 2
I 3
Ignition Coil
and Igniter No. 3
I 4
Ignition Coil
and Igniter No. 4
B–W
W–B
(RHD)

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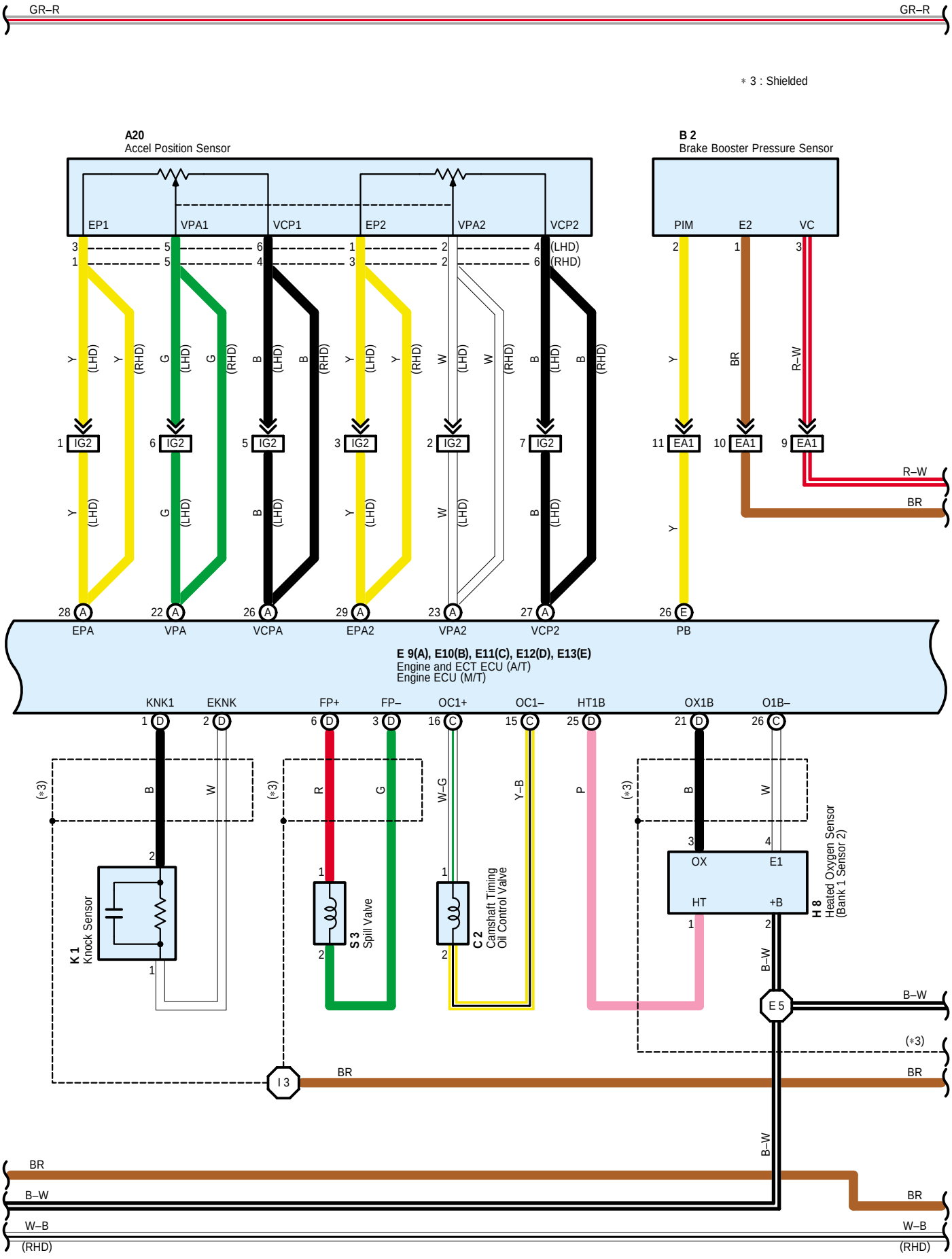
GR–R
GR–R
∗ 3 : Shielded
A20
Accel Position Sensor
EP1
VPA1
VCP1
EP2
VPA2
VCP2
B 2
Brake Booster Pressure Sensor
PIM
E2
VC
(LHD)
(RHD)
IG2
EA1
R–W
BR
28 A EPA
22 A VPA
26 A VCPA
29 A EPA2
23 A VPA2
27 A VCP2
26 E PB
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
KNK1
EKNK
FP+
FP–
OC1+
OC1–
HT1B
OX1B
O1B–
(∗3)
K 1
Knock Sensor
S 3
Spill Valve
C 2
Camshaft Timing
Oil Control Valve
H 8
Heated Oxygen Sensor
(Bank 1 Sensor 2)
OX
E1
HT
+B
E 5
I 3
B–W
W–B
(RHD)

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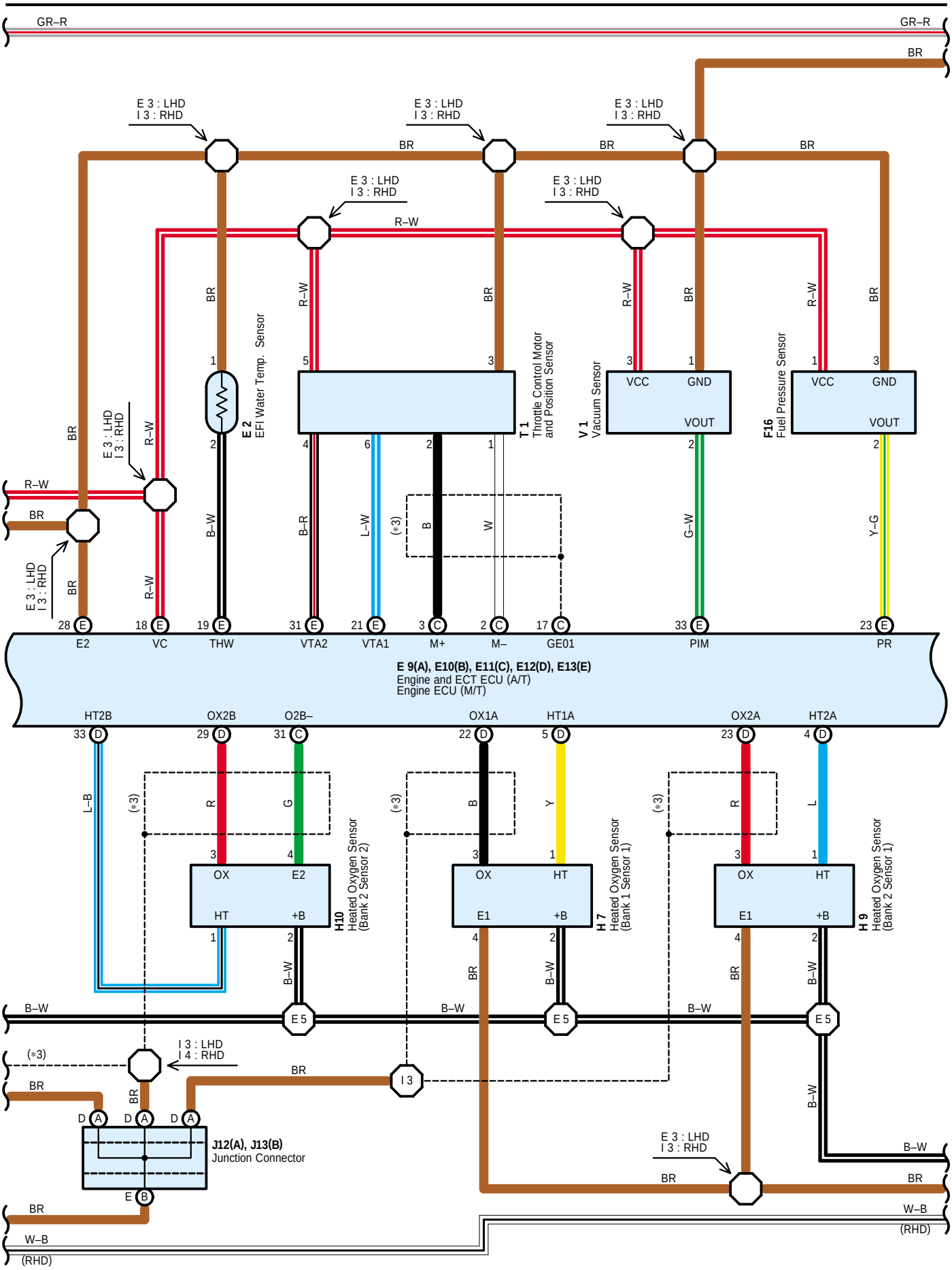
GR–R
GR–R
BR
E 3 : LHD
I 3 : RHD
R–W
E 2
EFI Water Temp. Sensor
T 1
Throttle Control Motor and Position Sensor
V 1
Vacuum Sensor
F16
Fuel Pressure Sensor
VCC
GND
VOUT
B–W
B–R
L–W
G–W
Y–G
(*3)
E2
VC
THW
VTA2
VTA1
M+
M–
GE01
PIM
PR
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
HT2B
OX2B
O2B–
OX1A
HT1A
OX2A
HT2A
L–B
R
G
B
Y
L
OX
HT
E1
+B
H10
Heated Oxygen Sensor (Bank 2 Sensor 2)
H 7
Heated Oxygen Sensor (Bank 1 Sensor 1)
H 9
Heated Oxygen Sensor (Bank 2 Sensor 1)
E 5
I 3 : LHD
I 4 : RHD
I 3
J12(A), J13(B)
Junction Connector
W–B
(RHD)

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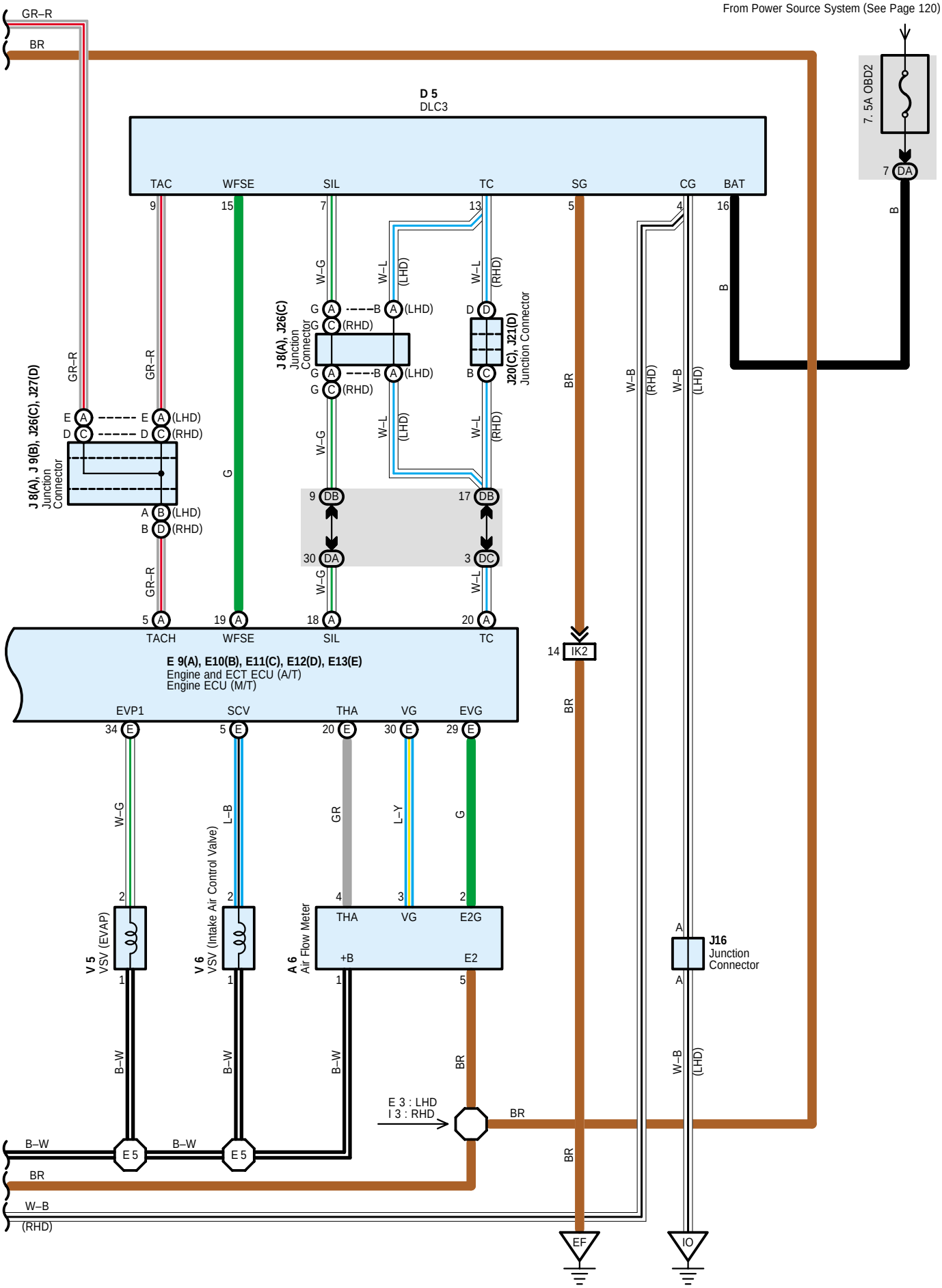
From Power Source System (See Page 120)



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System Outline

The engine control system utilizes a microcomputer and maintains overall control of the engine, transaxle etc. An outline of the engine control is given here.

1. Input Signals

(1) Engine coolant temp. signal circuit

The EFI water temp. sensor detects the engine coolant temp. and has a built–in thermistor with a resistance, which varies according to the engine coolant temp.. The engine coolant temp. which is input into TERMINAL THW of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(2) Intake air temp. signal circuit

The intake air temp. sensor is installed in the air flow meter and detects the intake air temp. which is input as a control signal to TERMINAL THA of the engine and ECT ECU (A/T) or engine ECU (M/T).

(3) Oxygen density signal circuit

The oxygen density in the exhaust emission is detected by the heated oxygen sensor and input as a control signal to TERMINALS OX1A, OX2A, OX1B and OX2B of the engine and ECT ECU (A/T) or engine ECU (M/T).

(4) RPM signal circuit

Camshaft position and crankshaft position are detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G2+ of the engine and ECT ECU (A/T) or engine ECU (M/T), and engine RPM is input into TERMINAL NE+.

(5) Throttle position signal circuit

The accelerator pedal position sensor detects the accelerator pedal opening angle, which is input as a control signal to TERMINALS VPA and VPA2 of the engine and ECT ECU (A/T) or engine ECU (M/T).

(6) Vehicle speed circuit

The speed sensor detects the vehicle speed and inputs a control signal to TERMINAL SPD of the engine and ECT ECU (A/T) or engine ECU (M/T).

(7) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the engine and ECT ECU (A/T) or engine ECU (M/T). With the ignition SW turned on, the voltage for engine and ECT ECU (A/T) or engine ECU (M/T) start–up power supply is applied to TERMINALS +B and +B2 of the engine and ECT ECU (A/T) or engine ECU (M/T) via the EFI relay.

(8) Stop light SW signal circuit

The stop light SW is used to detect whether the vehicle is braking or not and the signal is input into TERMINAL STP of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(9) Starter signal circuit

To confirm whether the engine is cranking, the voltage is applied to the starter motor during cranking is detected and the signal is input into TERMINAL STA of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(10) Engine knock signal circuit

Engine knocking is detected by knock sensor and the signal is input into TERMINAL KNK1 as a control signal.

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2. Control System

∗ ESA system
The ESA system monitors the engine condition through the signals input to the engine and ECT ECU (A/T) or engine ECU (M/T) from each sensor. The best ignition timing is decided according to this data and the memorized data in the engine and ECT ECU (A/T) or engine ECU (M/T) and the control signal is output to TERMINALS IGT1, IGT2, IGT3, IGT4. This signal controls the igniter to provide the best ignition timing for the driving conditions.

∗ Heated oxygen sensor heater control system
The heated oxygen sensor heater control system turns the heater on when the intake air volume is low (Temp. of exhaust emissions is low), and warms up the heated oxygen sensor to improve detection performance of the sensor. The engine and ECT ECU (A/T) or engine ECU (M/T) evaluates the signals from each sensor, and outputs current to TERMINALS HT1A, HT2A, HT1B and HT2B to control the heater.

∗ Fuel pump control system
The engine and ECT ECU (A/T) or engine ECU (M/T) operation outputs to TERMINAL FC and controls the circuit opening relay. Thus controls the fuel pump drive speed in response to conditions.

∗ VVT–i system
The system controls the position of the spool valve of the oil control valve according to the signals from the engine and ECT ECU (A/T) or engine ECU (M/T). In this manner, the hydraulic pressure to the advance side vane chamber and the retard side vane chamber of the VVT is controlled to vary the intake camshaft phase continuously.

3. Diagnosis System

With the diagnosis system, when there is a malfunction in the engine and ECT ECU (A/T) or engine ECU (M/T) signal system, the malfunctioning system is recorded in the memory. The malfunctioning system can be found by reading the code displayed by the malfunction indicator lamp.

4. Fail–Safe System

When a malfunction has occurred in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail–safe system either controls the system by using data (Standard values) recorded in the engine and ECT ECU (A/T) or engine ECU (M/T) memory or else stops the engine.

Service Hints

E9 (A), E10 (B), E11 (C), E12 (D), E13 (E) Engine and ECT ECU (A/T) or Engine ECU (M/T)

BATT–E1 : Always 9.0–14.0 volts
VC–E2 : 4.5–5.5 volts (Ignition SW at ON position)
VTA1–E2 : 0.3–1.0 volts (Ignition SW on and throttle valve fully closed)
3.2–4.9 volts (Ignition SW on and throttle valve fully open)
VG–EVG : 1.1–1.5 volts (Engine idling and A/C SW off)
THA–E2 : 0.5–3.4 volts (Engine idling and intake air temp. 20˚C, 68˚F)
THW–E2 : 0.2–1.0 volts (Engine idling and coolant temp. 80˚C, 176˚F)
IGF1–E1 : 4.5–5.5 volts (Ignition SW at ON position)
Pulse generation (Engine idling)
SIL–E1 : Pulse generation (During transmission)
TACH–E1 : Pulse generation (Engine idling)
STA–E1 : 6.0 volts or more (Engine cranking)
FC–E01 : 9.0–14.0 volts (Ignition SW at ON position)
SPD–E1 : Pulse generation (Ignition SW on and rotate driving wheel slowly)
W–E01 : Below 3.0 volts (Ignition SW at ON position)
EVP1–E01 : 9.0–14.0 volts (Ignition SW at ON position)
STP–E1 : 7.5–14.0 volts (Ignition SW on and brake pedal depressed)
Below 1.5 volts (Ignition SW on and brake pedal released)
KNK1–E1 : Pulse generation (Engine idling)
PSW–E1 : 9.0–14.0 volts (Ignition SW at ON position)
IGSW–E1 : 9.0–14.0 volts (Ignition SW at ON position)
MREL–E1 : 9.0–14.0 volts (Ignition SW at ON position)
G2+, NE+ –NE– : Pulse generation (Engine idling)
OC1+ –OC1– : Pulse generation (Ignition SW at ON position)
IGT1, IGT2, IGT3, IGT4–E1 : Pulse generation (Engine idling)
#1, #2, #3, #4–E01 : 9.0–14.0 volts (Ignition SW at ON position)
Pulse generation (Engine idling)
VPA–EPA : 0.6–1.0 volts (Ignition SW on accelerator pedal fully closed)
VPA2–EPA2 : 1.4–1.8 volts (Ignition SW on accelerator pedal fully closed)

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: Parts Location

Code	See Page	Code	See Page	Code	See Page
A6	38 (*3)	E12 D	67 (RHD)	J12 A	48 (LHD)
	58 (*7)	E13 E	47 (LHD)		68 (RHD)
A11	38 (*3)		67 (RHD)	J13 B	48 (LHD)
	58 (*7)	F16	38 (*3)		68 (RHD)
A15	46 (LHD)		58 (*7)	J14 A	48 (LHD)
	66 (RHD)	F25	50 (LHD S/D)	J16	48 (LHD)
A20	46 (LHD)		52 (LHD L/B)		68 (RHD)
	66 (RHD)		54 (LHD W/G)	J19	68 (RHD)
A27	46 (LHD)		70 (RHD S/D)	J20 C	68 (RHD)
	66 (RHD)		72 (RHD L/B)	J21 D	68 (RHD)
B2	38 (*3)		74 (RHD W/G)	J26 C	68 (RHD)
	58 (*7)	H7	38 (*3)	J27 D	68 (RHD)
C1	38 (*3)		58 (*7)	J28 B	68 (RHD)
	58 (*7)	H8	38 (*3)	J30	51 (LHD S/D)
C2	38 (*3)		58 (*7)		53 (LHD L/B)
	58 (*7)	H9	38 (*3)		55 (LHD W/G)
C6	38 (*3)		58 (*7)		71 (RHD S/D)
	58 (*7)	H10	38 (*3)		73 (RHD L/B)
C8	46 (LHD)		58 (*7)		75 (RHD W/G)
	66 (RHD)	I1	39 (*3)	K1	39 (*3)
C9	46 (LHD)		59 (*7)		59 (*7)
	66 (RHD)	I2	39 (*3)	N1	39 (*3)
C10 A	46 (LHD)		59 (*7)		59 (*7)
	66 (RHD)	I3	39 (*3)	P2	39 (*3)
C11 B	46 (LHD)		59 (*7)		59 (*7)
	66 (RHD)	I4	39 (*3)	S1	39 (*3)
D5	47 (LHD)		59 (*7)		59 (*7)
	67 (RHD)	I5	39 (*3)	S3	39 (*3)
E2	38 (*3)		59 (*7)		59 (*7)
	58 (*7)	I6	39 (*3)	S13	49 (LHD)
E4 A	38 (*3)		59 (*7)		69 (RHD)
	58 (*7)	I7	39 (*3)	T1	39 (*3)
E5 B	38 (*3)		59 (*7)		59 (*7)
	58 (*7)	I8	39 (*3)	T8	49 (LHD)
E9 A	47 (LHD)		59 (*7)		69 (RHD)
	67 (RHD)	I14	47 (LHD)	V1	39 (*3)
E10 B	47 (LHD)		67 (RHD)		59 (*7)
	67 (RHD)	J8 A	48 (LHD)	V5	39 (*3)
E11 C	47 (LHD)	J9 B	48 (LHD)		59 (*7)
	67 (RHD)	J10 A	48 (LHD)	V6	39 (*3)
E12 D	47 (LHD)	J11 B	48 (LHD)		59 (*7)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CE		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DD		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	78 (*3)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	98 (*7)	
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IC3	86 (LHD)	
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE4		
IE8		
IG2	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IK2	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IP1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Ground Points

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	98 (*7)	
EE	78 (*3)	Intake Side of Cylinder Block
	98 (*7)	
EF	78 (*3)	Left Side of the Cylinder Head
	98 (*7)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BR	90 (LHD S/D)	Under the Left Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	78 (*3)	Engine Room Main Wire	E7	78 (*3)	Engine Wire
	98 (*7)			98 (*7)	
E3	78 (*3)	Engine Wire	E8	78 (*3)	
E4	98 (*7)			98 (*7)	
E5	78 (*3)		I3	108 (RHD)	
	98 (*7)		I4		
E6	78 (*3)		I5	88 (LHD)	
	98 (*7)			108 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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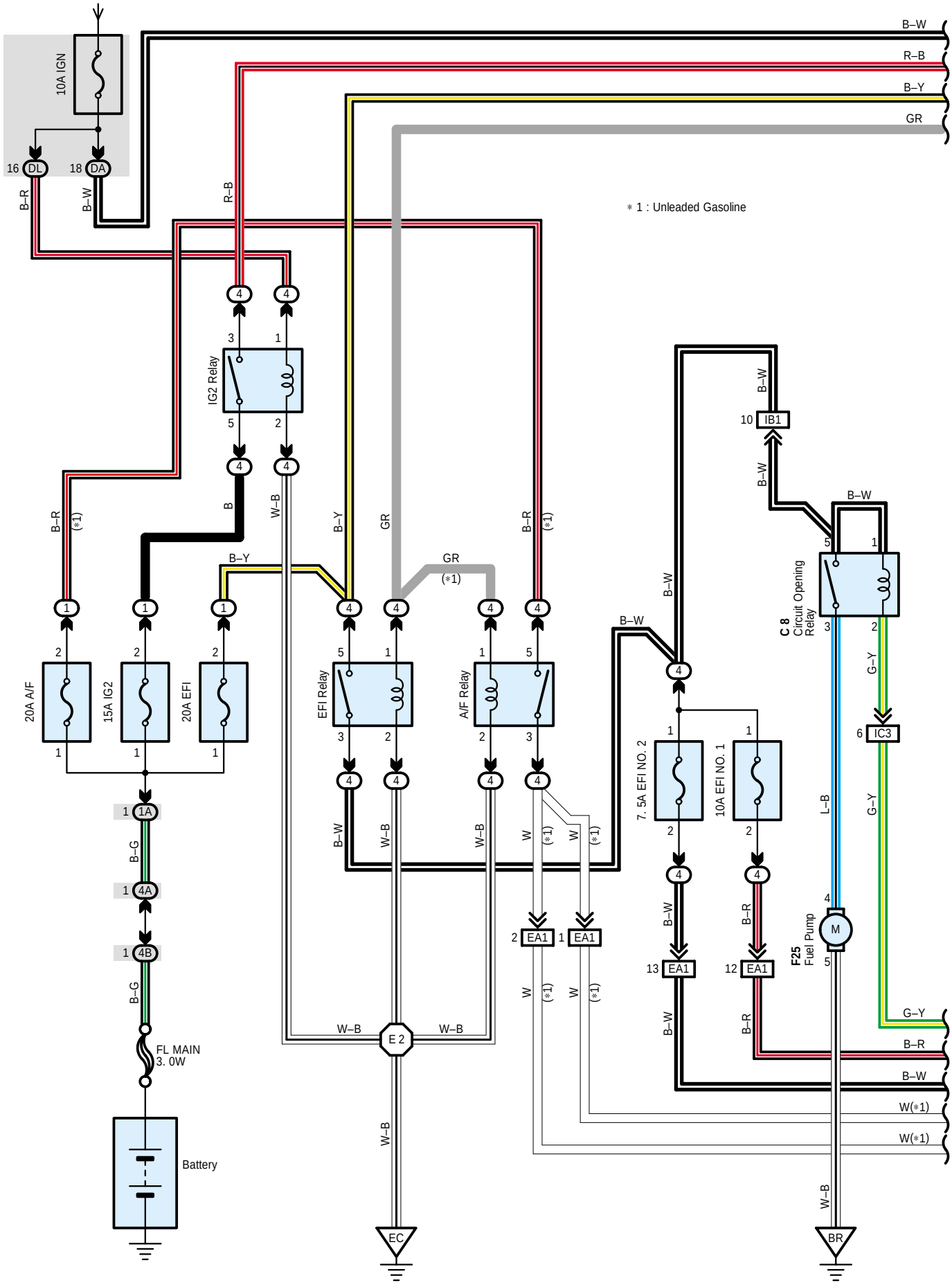
From Power Source System (See Page 120)



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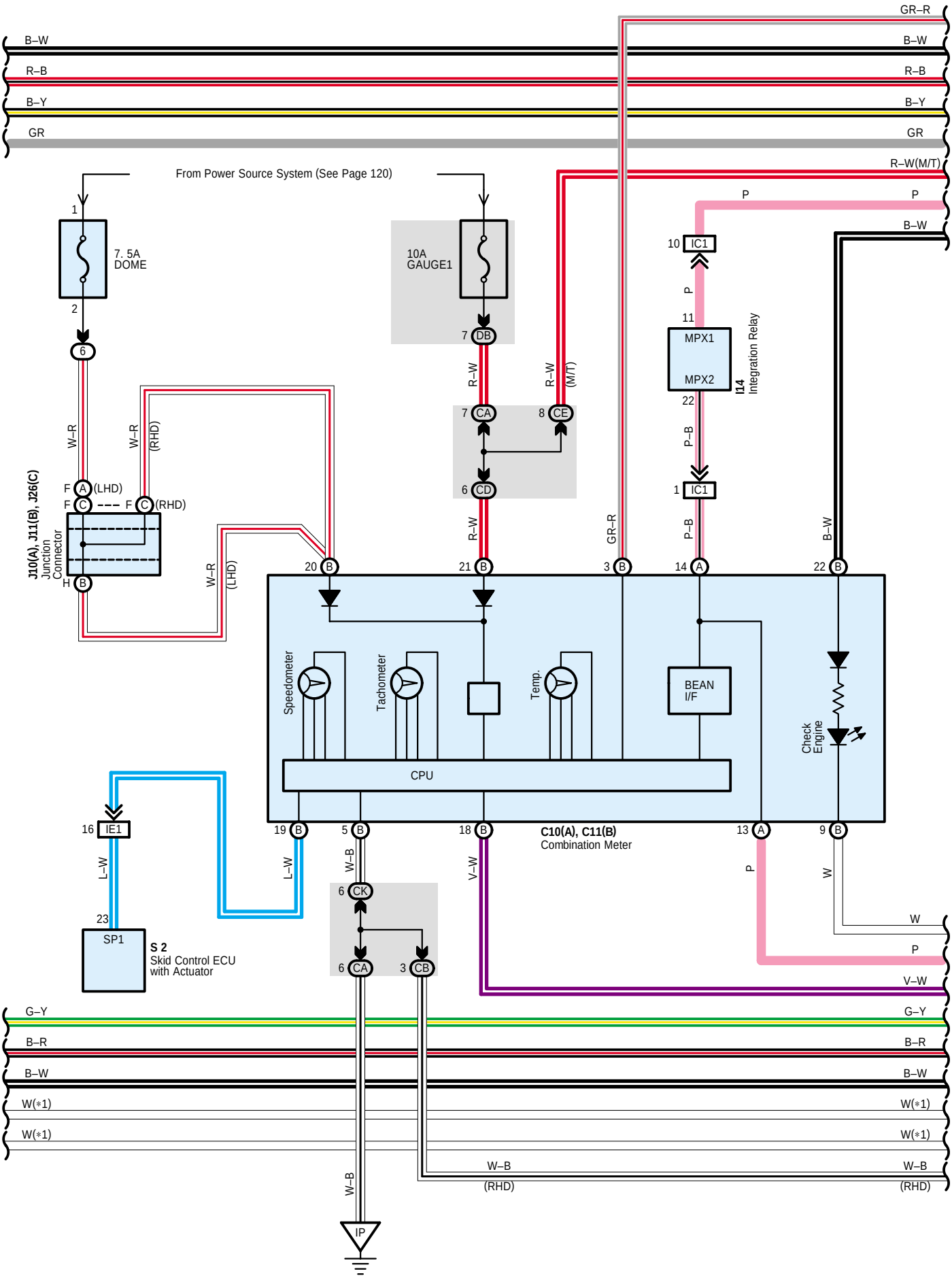
From Power Source System (See Page 120)
7. 5A DOME
10A GAUGE1
J10(A), J11(B), J26(C) Junction Connector
(LHD)
(RHD)
MPX1
MPX2
I14 Integration Relay
IC1
Speedometer
Tachometer
Temp.
BEAN I/F
Check Engine
CPU
C10(A), C11(B) Combination Meter
IE1
SP1
S 2 Skid Control ECU with Actuator
IP
GR–R
B–W
R–B
B–Y
GR
R–W(M/T)
P
W–R
R–W
L–W
V–W
W–B
G–Y
B–R
W(*1)
W
(RHD)

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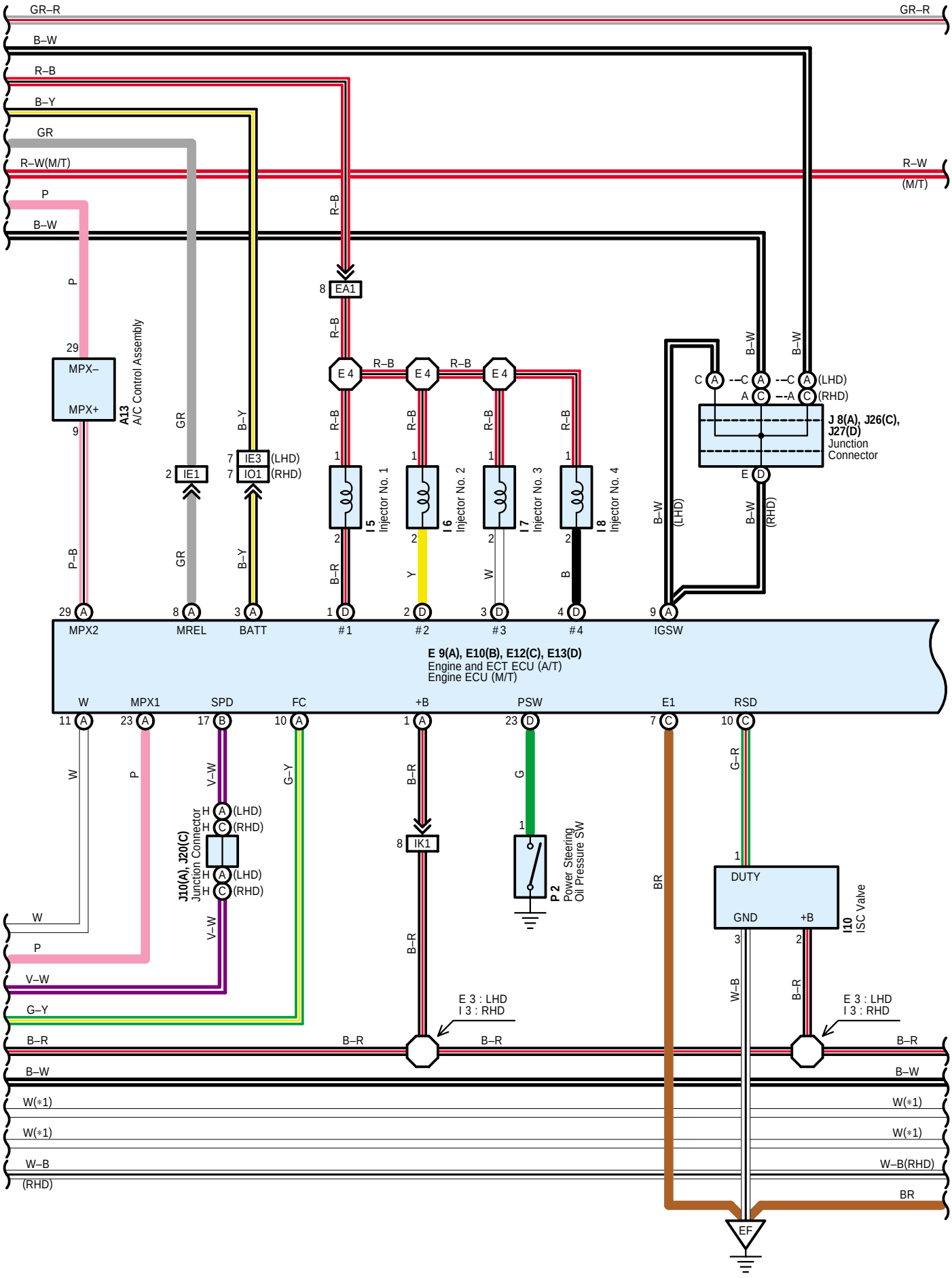
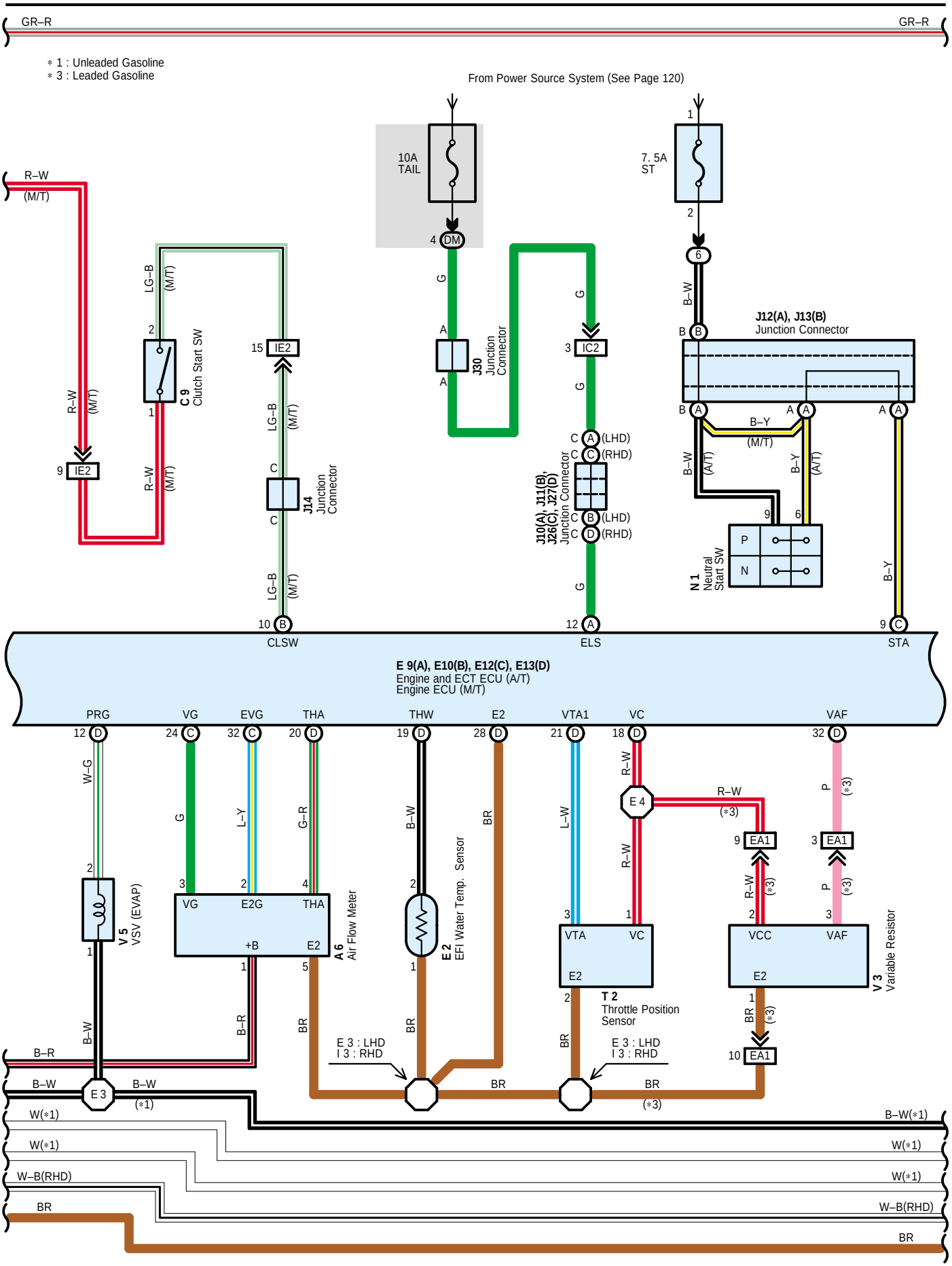

GR–R
B–W
R–B
B–Y
GR
R–W(M/T)
P
B–W
R–W (M/T)
A13 A/C Control Assembly
MPX–
MPX+
29
9
P–B
GR
B–Y
IE1
IE3 (LHD)
IO1 (RHD)
EA1
E 4
I 5 Injector No. 1
I 6 Injector No. 2
I 7 Injector No. 3
I 8 Injector No. 4
B–R
Y
W
B
J 8(A), J26(C), J27(D) Junction Connector
B–W (LHD)
B–W (RHD)
MPX2
MREL
BATT
#1
#2
#3
#4
IGSW
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
W
MPX1
SPD
FC
+B
PSW
E1
RSD
V–W
G–Y
J10(A), J20(C) Junction Connector (LHD)
J10(A), J20(C) Junction Connector (RHD)
IK1
G
P 2 Power Steering Oil Pressure SW
BR
G–R
DUTY
GND
+B
I 10 ISC Valve
W–B
E 3 : LHD
I 3 : RHD
B–R
B–W
W(∗1)
W–B
(RHD)
W–B(RHD)
BR
EF

http://vnx.su


GR–R
GR–R
* 1 : Unleaded Gasoline
* 3 : Leaded Gasoline
From Power Source System (See Page 120)
10A TAIL
7. 5A ST
R–W (M/T)
LG–B (M/T)
C 9 Clutch Start SW
IE2
J14 Junction Connector
J30 Junction Connector
IC2
J10(A), J11(B), J26(C), J27(D) Junction Connector
J12(A), J13(B) Junction Connector
B–W
B–Y (M/T)
B–W (A/T)
B–Y (A/T)
N 1 Neutral Start SW
CLSW
ELS
STA
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
PRG
VG
EVG
THA
THW
E2
VTA1
VC
VAF
V 5 VSV (EVAP)
A 6 Air Flow Meter
E 2 EFI Water Temp. Sensor
T 2 Throttle Position Sensor
V 3 Variable Resistor
E 4
E 3
E 3 : LHD
I 3 : RHD
W–G
G
L–Y
G–R
B–W
BR
L–W
R–W
P
B–R
W(*1)
W–B(RHD)
(*1)
(*3)

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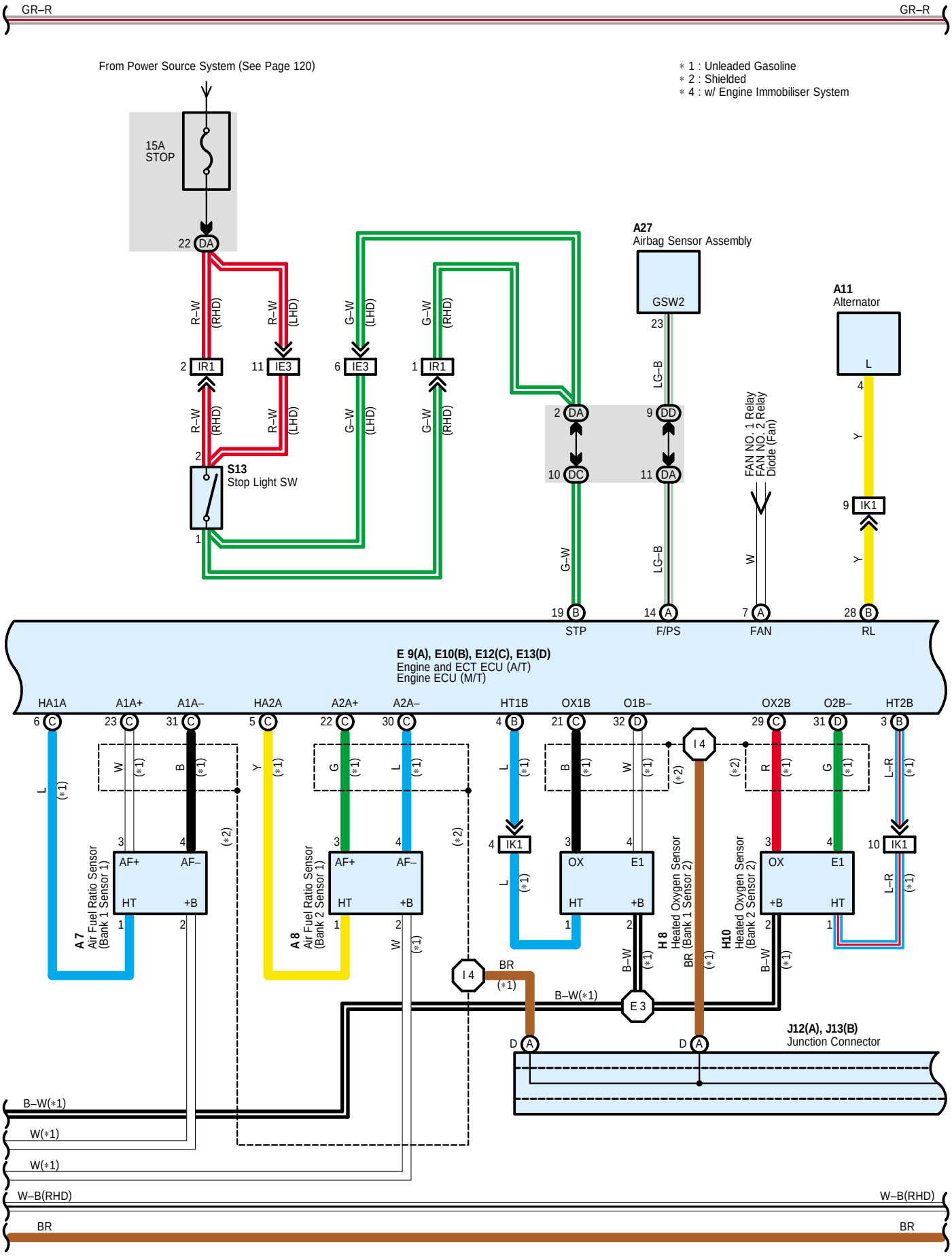
GR–R
GR–R
From Power Source System (See Page 120)
∗ 1 : Unleaded Gasoline
∗ 2 : Shielded
∗ 4 : w/ Engine Immobiliser System
15A
STOP
22 DA
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
2 IR1
11 IE3
6 IE3
1 IR1
S13
Stop Light SW
A27
Airbag Sensor Assembly
GSW2
23
LG–B
2 DA
9 DD
10 DC
11 DA
FAN NO. 1 Relay
FAN NO. 2 Relay
Diode (Fan)
A11
Alternator
L
4
Y
9 IK1
Y
19 B
STP
14 A
F/PS
7 A
FAN
28 B
RL
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
HA1A
A1A+
A1A–
HA2A
A2A+
A2A–
HT1B
OX1B
O1B–
OX2B
O2B–
HT2B
A 7
Air Fuel Ratio Sensor (Bank 1 Sensor 1)
A 8
Air Fuel Ratio Sensor (Bank 2 Sensor 1)
H 8
Heated Oxygen Sensor (Bank 1 Sensor 2)
H10
Heated Oxygen Sensor (Bank 2 Sensor 2)
I 4
E 3
BR (∗1)
B–W(∗1)
J12(A), J13(B)
Junction Connector
B–W(∗1)
W(∗1)
W(∗1)
W–B(RHD)
W–B(RHD)
BR
BR

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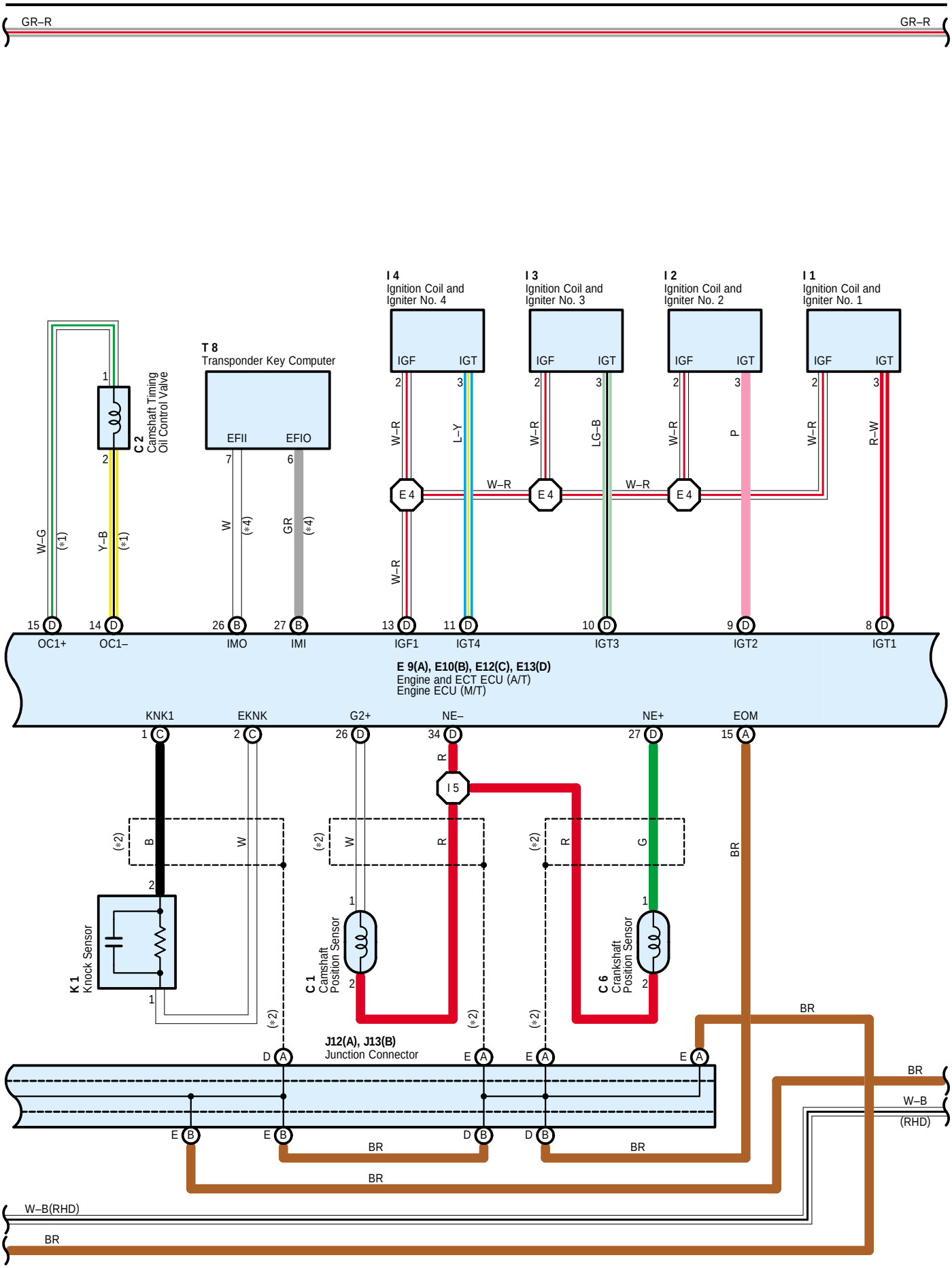
GR–R
GR–R
I 4
Ignition Coil and
Igniter No. 4
I 3
Ignition Coil and
Igniter No. 3
I 2
Ignition Coil and
Igniter No. 2
I 1
Ignition Coil and
Igniter No. 1
IGF
IGT
T 8
Transponder Key Computer
EFII
EFIO
C 2
Camshaft Timing
Oil Control Valve
W–G
Y–B
W
GR
W–R
L–Y
LG–B
P
R–W
(*1)
(*4)
E 4
OC1+
OC1–
IMO
IMI
IGF1
IGT4
IGT3
IGT2
IGT1
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
KNK1
EKNK
G2+
NE–
NE+
EOM
I 5
R
B
G
BR
(*2)
K 1
Knock Sensor
C 1
Camshaft
Position Sensor
C 6
Crankshaft
Position Sensor
J12(A), J13(B)
Junction Connector
W–B
(RHD)
W–B(RHD)

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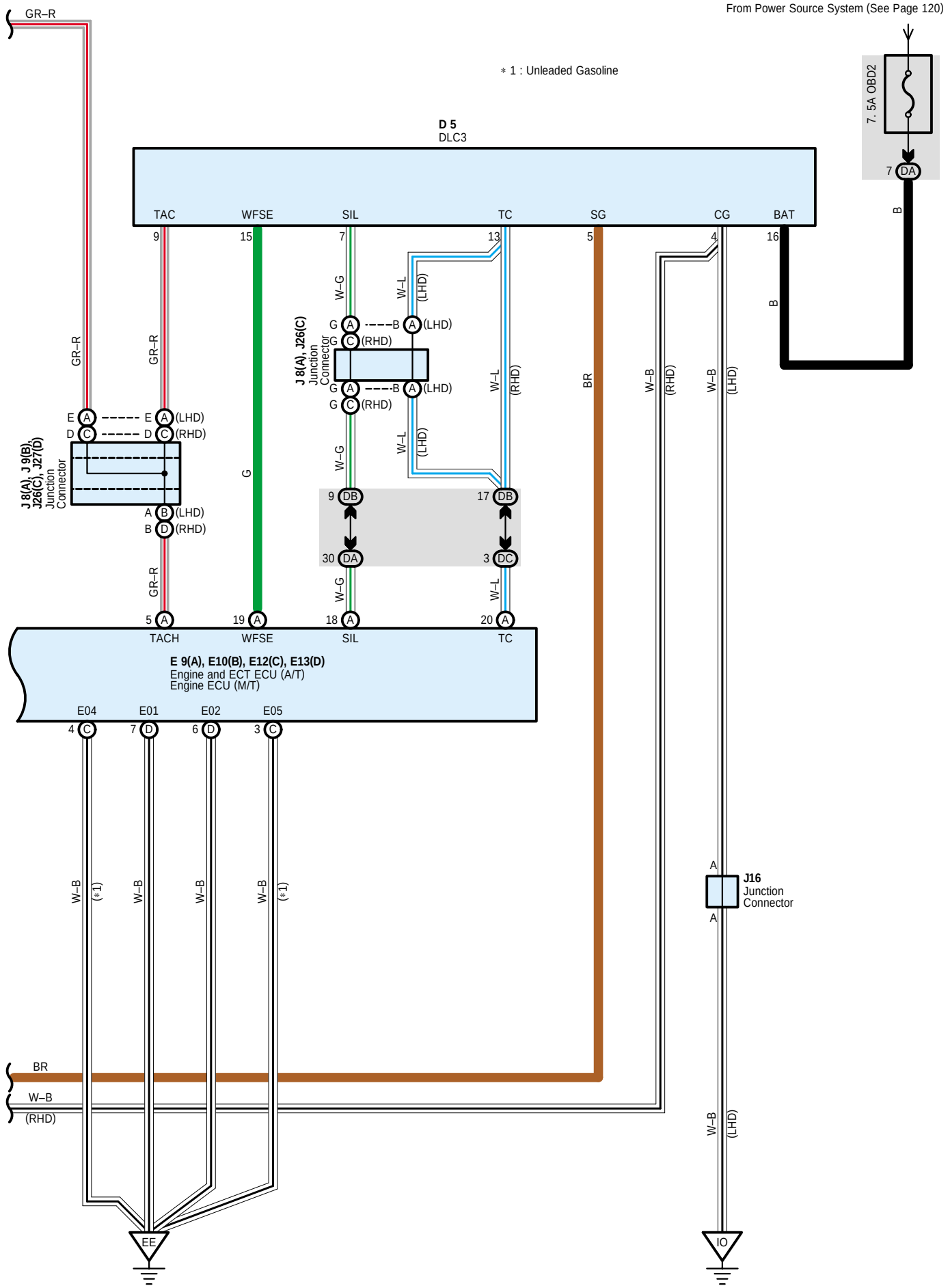
From Power Source System (See Page 120)
GR–R
* 1 : Unleaded Gasoline
7. 5A OBD2
7 DA
B
D 5
DLC3
TAC
WFSE
SIL
TC
SG
CG
BAT
9
15
7
13
5
4
16
W–G
W–L
(LHD)
G A B A (LHD)
G C (RHD)
J 8(A), J26(C)
Junction Connector
W–L
(RHD)
BR
W–B
(RHD)
W–B
(LHD)
B
GR–R
E A E A (LHD)
D C D C (RHD)
J 8(A), J 9(B),
J26(C), J27(D)
Junction Connector
A B (LHD)
B D (RHD)
G
9 DB
17 DB
30 DA
3 DC
5 A
19 A
18 A
20 A
TACH
WFSE
SIL
TC
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
E04
E01
E02
E05
4 C
7 D
6 D
3 C
W–B
(*1)
A
J16
Junction
Connector
A
BR
W–B
(RHD)
EE
IO

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System Outline

The engine control system utilizes a microcomputer and maintains overall control of the engine, transaxle etc. An outline of the engine control is given here.

1. Input Signals

(1) Engine coolant temp. signal circuit

The EFI water temp. sensor detects the engine coolant temp. and has a built–in thermistor with a resistance, which varies according to the engine coolant temp.. The engine coolant temp. which is input into TERMINAL THW of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(2) Intake air temp. signal circuit

The intake air temp. sensor is installed in the air flow meter and detects the intake air temp. which is input as a control signal to TERMINAL THA of the engine and ECT ECU (A/T) or engine ECU (M/T).

(3) Oxygen density signal circuit (Unleaded gasoline)

The oxygen density in the exhaust emission is detected by the heated oxygen sensor and input as a control signal to TERMINALS OX1B and OX2B of the engine and ECT ECU (A/T) or engine ECU (M/T).

(4) RPM signal circuit

Camshaft position and crankshaft position are detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G2+ of the engine and ECT ECU (A/T) or engine ECU (M/T), and engine RPM is input into TERMINAL NE+.

(5) Throttle position signal circuit

The throttle position sensor detects the throttle valve opening angle as a control signal, which is input into TERMINAL VTA1 of the engine and ECT ECU (A/T) or engine ECU (M/T).

(6) Vehicle speed circuit

The speed sensor detects the vehicle speed and inputs a control signal to TERMINAL SPD of the engine and ECT ECU (A/T) or engine ECU (M/T).

(7) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the engine and ECT ECU (A/T) or engine ECU (M/T). With the ignition SW turned on, the voltage for engine and ECT ECU (A/T) or engine ECU (M/T) start–up power supply is applied to TERMINAL +B of the engine and ECT ECU (A/T) or engine ECU (M/T) via the EFI relay.

(8) Stop light SW signal circuit

The stop light SW is used to detect whether the vehicle is braking or not and the signal is input into TERMINAL STP of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(9) Starter signal circuit

To confirm whether the engine is cranking, the voltage is applied to the starter motor during cranking is detected and the signal is input into TERMINAL STA of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(10) Engine knock signal circuit

Engine knocking is detected by knock sensor and the signal is input into TERMINAL KNK1 as a control signal.

(11) Air fuel ratio signal system (Unleaded gasoline)

The air fuel ratio is detected and input as a control signal into TERMINALS A1A+ and A2A+ of the engine and ECT ECU (A/T) or engine ECU (M/T).

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2. Control System

∗ EFI system
The EFI system monitors the engine condition through the signals input from each sensor to the engine and ECT ECU (A/T) or engine ECU (M/T). And the control signal is output to TERMINALS #1, #2, #3, #4 of the engine and ECT ECU (A/T) or engine ECU (M/T) to operate the injector (Inject the fuel). The EFI system controls the fuel injection operation by the engine and ECT ECU (A/T) or engine ECU (M/T) in response to the driving conditions.

∗ ESA system
The ESA system monitors the engine condition through the signals input to the engine and ECT ECU (A/T) or engine ECU (M/T) from each sensor. The best ignition timing is decided according to this data and the memorized data in the engine and ECT ECU (A/T) or engine ECU (M/T) and the control signal is output to TERMINALS IGT1, IGT2, IGT3, IGT4. This signal controls the igniter to provide the best ignition timing for the driving conditions.

∗ Heated oxygen sensor heater control system (Unleaded gasoline)
The heated oxygen sensor heater control system turns the heater on when the intake air volume is low (Temp. of exhaust emissions is low), and warms up the heated oxygen sensor to improve detection performance of the sensor. The engine and ECT ECU (A/T) or engine ECU (M/T) evaluates the signals from each sensor, and outputs current to TERMINALS HT1B and HT2B to control the heater.

∗ ISC system
The ISC system (Rotary solenoid type) increases the RPM and provides idling stability for fast idle–up when the engine is cold and when the idle speed has dropped due to electrical load, etc. The engine and ECT ECU (A/T) or engine ECU (M/T) evaluates the signals from each sensor, outputs current to TERMINAL RSD, and controls the ISC valve.

∗ Fuel pump control system
The engine and ECT ECU (A/T) or engine ECU (M/T) operation outputs to TERMINAL FC and controls the circuit opening relay. Thus controls the fuel pump drive speed in response to conditions.

∗ VVT–i system
The system controls the position of the spool valve of the oil control valve according to the signals from the engine and ECT ECU (A/T) or engine ECU (M/T). In this manner, the hydraulic pressure to the advance side vane chamber and the retard side vane chamber of the VVT is controlled to vary the intake camshaft phase continuously.

3. Diagnosis System

With the diagnosis system, when there is a malfunction in the engine and ECT ECU (A/T) or engine ECU (M/T) signal system, the malfunctioning system is recorded in the memory. The malfunctioning system can be found by reading the code displayed by the malfunction indicator lamp.

4. Fail–Safe System

When a malfunction has occurred in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail–safe system either controls the system by using data (Standard values) recorded in the engine and ECT ECU (A/T) or engine ECU (M/T) memory or else stops the engine.

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Service Hints

E9 (A), E10 (B), E12 (C), E13 (D) Engine and ECT ECU (A/T) or Engine ECU (M/T)

BATT–E1 : Always 9.0–14.0 volts
VC–E2 : 4.5–5.5 volts (Ignition SW at ON position)
VTA1–E2 : 0.3–1.0 volts (Ignition SW on and throttle valve fully closed)
3.2–4.9 volts (Ignition SW on and throttle valve fully open)
VG–EVG : 1.1–1.5 volts (Engine idling and A/C SW off)
THA–E2 : 0.5–3.4 volts (Engine idling and intake air temp. 20˚C, 68˚F)
THW–E2 : 0.2–1.0 volts (Engine idling and coolant temp. 80˚C, 176˚F)
IGF1–E1 : 4.5–5.5 volts (Ignition SW at ON position)
Pulse generation (Engine idling)
SIL–E1 : Pulse generation (During transmission)
TACH–E1 : Pulse generation (Engine idling)
STA–E1 : 6.0 volts or more (Engine cranking)
FC–E01 : 9.0–14.0 volts (Ignition SW at ON position)
SPD–E1 : Pulse generation (Ignition SW on and rotate driving wheel slowly)
W–E01 : Below 3.0 volts (Ignition SW at ON position)
PRG–E01 : 9.0–14.0 volts (Ignition SW at ON position)
STP–E1 : 7.5–14.0 volts (Ignition SW on and brake pedal depressed)
Below 1.5 volts (Ignition SW on and brake pedal released)
KNK1–E1 : Pulse generation (Engine idling)
PSW–E1 : 9.0–14.0 volts (Ignition SW at ON position)
HA1A–E04 : Below **3.0** volts (Engine idling)
IGSW–E1 : 9.0–14.0 volts (Ignition SW at ON position)
MREL–E1 : 9.0–14.0 volts (Ignition SW at ON position)
G2+, NE+ –NE– : Pulse generation (Engine idling)
OC1+ –OC1– : Pulse generation (Ignition SW at ON position)
HT1B–E1 : 9.0–14.0 volts (Engine idling)
Below 3.0 volts (Ignition SW at ON position)
A1A+ –E1 : 3.3 volts (Ignition SW at ON position)
A1A– –E1 : 3.0 volts (Ignition SW at ON position)
OX1B–E1 : Pulse generation (Maintain engine speed at 2500 rpm for 90 sec. after warming up)
IGT1, IGT2, IGT3, IGT4–E1 : Pulse generation (Engine idling)
#1, #2, #3, #4–E01 : 9.0–14.0 volts (Ignition SW at ON position)
Pulse generation (Engine idling)

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○ : **Parts Location**

Code	See Page	Code	See Page	Code	See Page
A6	40 (*4)	E12 C	67 (RHD)	J12 A	48 (LHD)
	60 (*8)	E13 D	47 (LHD)		68 (RHD)
A7	40 (*4)		67 (RHD)	J13 B	48 (LHD)
A8	40 (*4)	F25	50 (LHD S/D)		68 (RHD)
A11	40 (*4)		54 (LHD W/G)	J14	48 (LHD)
	60 (*8)		70 (RHD S/D)	J16	48 (LHD)
A13	46 (LHD)	H8	40 (*4)		68 (RHD)
	66 (RHD)	H10	40 (*4)	J20 C	68 (RHD)
A27	46 (LHD)	I1	41 (*4)	J26 C	68 (RHD)
	66 (RHD)		61 (*8)	J27 D	68 (RHD)
C1	40 (*4)	I2	41 (*4)	J30	51 (LHD S/D)
	60 (*8)		61 (*8)		55 (LHD W/G)
C2	40 (*4)	I3	41 (*4)		71 (RHD S/D)
C6	40 (*4)		61 (*8)	K1	41 (*4)
	60 (*8)	I4	41 (*4)		61 (*8)
C8	46 (LHD)		61 (*8)	N1	41 (*4)
	66 (RHD)	I5	41 (*4)		61 (*8)
C9	46 (LHD)		61 (*8)	P2	41 (*4)
	66 (RHD)	I6	41 (*4)		61 (*8)
C10 A	46 (LHD)		61 (*8)	S2	41 (*4)
	66 (RHD)	I7	41 (*4)		61 (*8)
C11 B	46 (LHD)		61 (*8)	S13	49 (LHD)
	66 (RHD)	I8	41 (*4)		69 (RHD)
D5	47 (LHD)		61 (*8)	T2	41 (*4)
	67 (RHD)	I10	41 (*4)		61 (*8)
E2	40 (*4)		61 (*8)	T8	49 (LHD)
	60 (*8)	I14	47 (LHD)		69 (RHD)
E9 A	47 (LHD)		67 (RHD)	V3	41 (*4)
	67 (RHD)	J8 A	48 (LHD)		61 (*8)
E10 B	47 (LHD)	J9 B	48 (LHD)	V5	41 (*4)
	67 (RHD)	J10 A	48 (LHD)		61 (*8)
E12 C	47 (LHD)	J11 B	48 (LHD)		

▭ : **Relay Blocks**

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CE		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DD		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	80 (*4)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	100 (*8)	
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IC3	86 (LHD)	
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: **Ground Points**

Code	See Page	Ground Points Location
EC	80 (*4)	Engine Compartment Left
	100 (*8)	
EE	80 (*4)	Intake Side of Cylinder Block
	100 (*8)	
EF	80 (*4)	Left Side of the Cylinder Head
	100 (*8)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BR	90 (LHD S/D)	Under the Left Center Pillar
	94 (LHD W/G)	
	110 (RHD S/D)	

: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	80 (*4)	Engine Room Main Wire	E4	100 (*8)	Engine Wire
	100 (*8)		I3	108 (RHD)	
E3	80 (*4)	Engine Wire	I4	88 (LHD)	
	100 (*8)		I5	88 (LHD)	
E4	80 (*4)			108 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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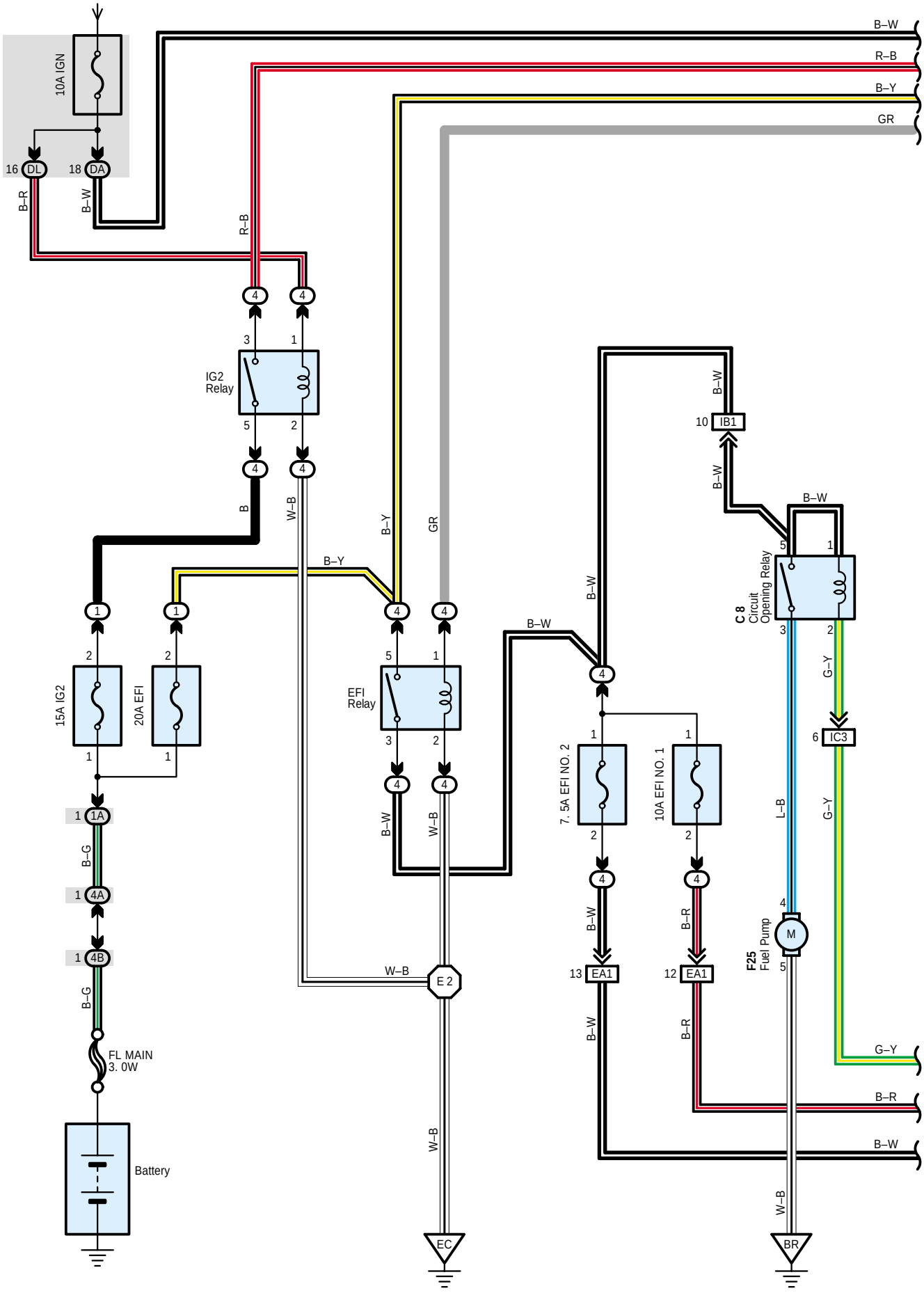
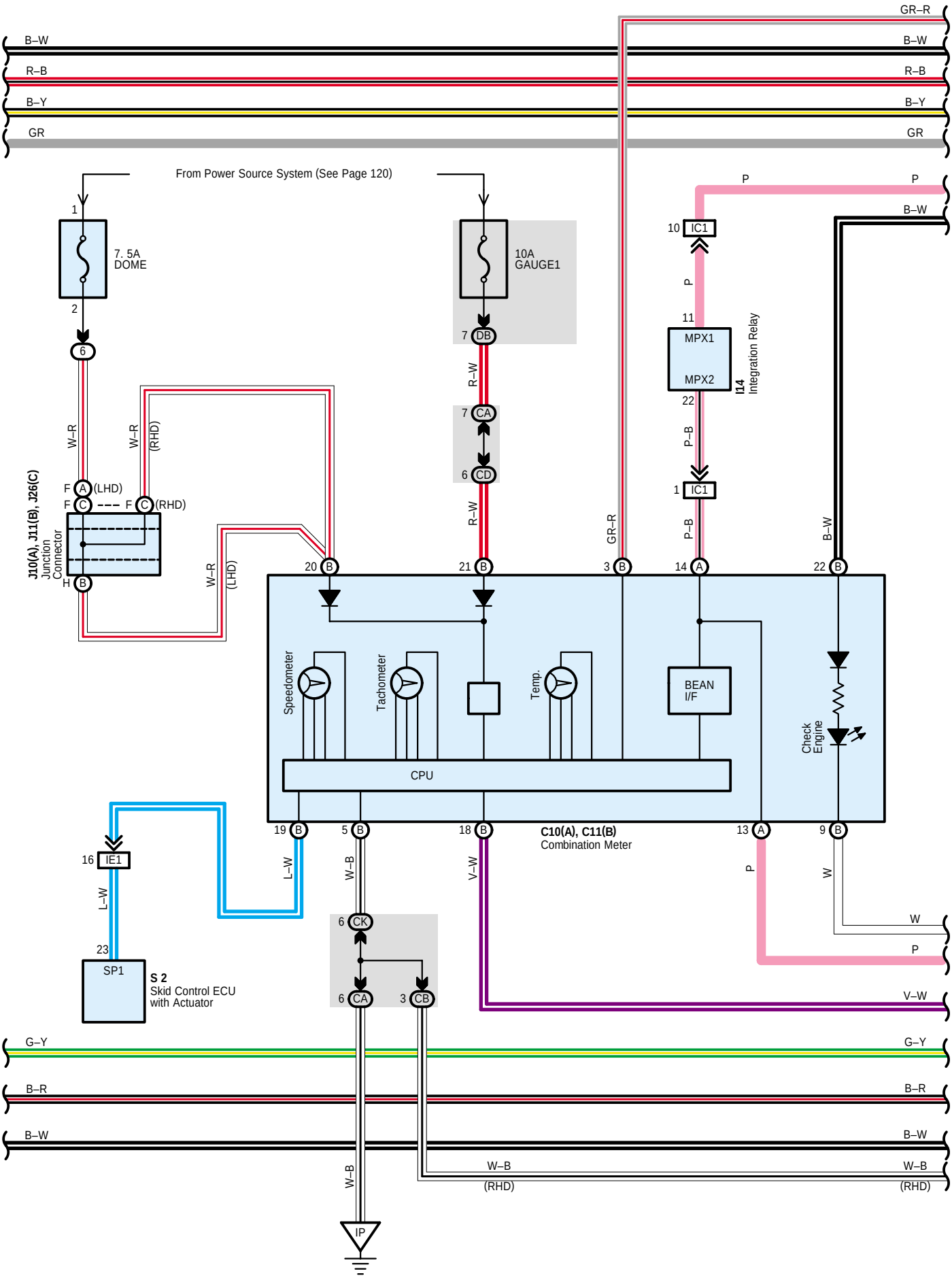
From Power Source System (See Page 120)



http://vnx.su


From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
J10(A), J11(B), J26(C)
Junction
Connector
(LHD)
(RHD)
W–R
R–W
P–B
P
B–W
GR–R
L–W
W–B
V–W
G–Y
B–R
B–W
MPX1
MPX2
I14
Integration Relay
IC1
IE1
SP1
S 2
Skid Control ECU
with Actuator
CPU
Speedometer
Tachometer
Temp.
BEAN
I/F
Check
Engine
C10(A), C11(B)
Combination Meter
IP

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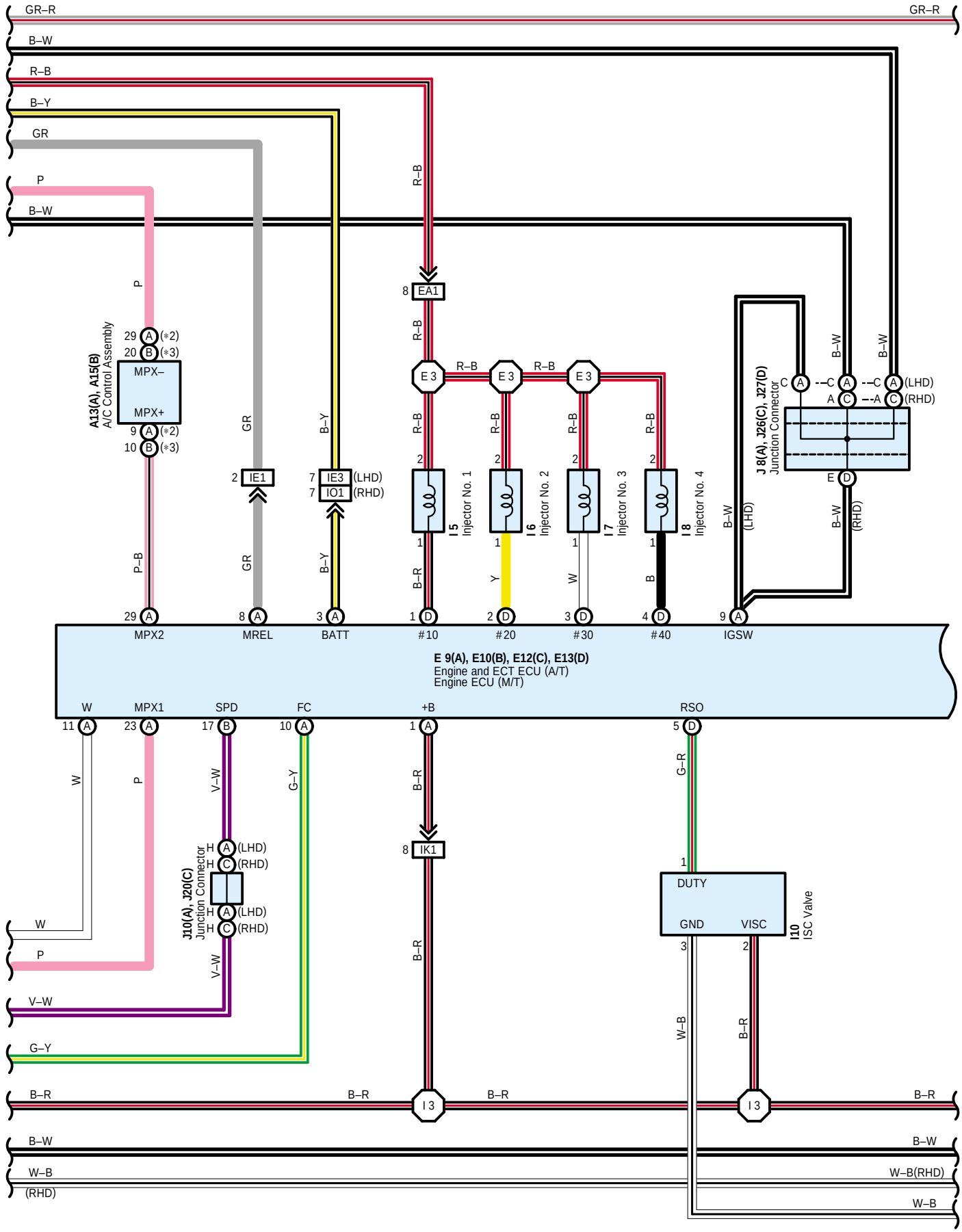
GR–R
GR–R
B–W
R–B
B–Y
GR
P
B–W
R–B
8 EA1
R–B
E 3
R–B
E 3
R–B
E 3
R–B
R–B
R–B
R–B
R–B
2
2
2
2
I 5 Injector No. 1
I 6 Injector No. 2
I 7 Injector No. 3
I 8 Injector No. 4
1
1
1
1
B–R
Y
W
B
P
P–B
GR
B–Y
A13(A), A15(B) A/C Control Assembly
29 A (*2)
20 B (*3)
MPX–
MPX+
9 A (*2)
10 B (*3)
2 IE1
7 IE3 (LHD)
7 IO1 (RHD)
B–W
B–W
J 8(A), J26(C), J27(D) Junction Connector
C A –C A –C A (LHD)
A C –A C (RHD)
E D
B–W (LHD)
B–W (RHD)
29 A MPX2
8 A MREL
3 A BATT
1 D #10
2 D #20
3 D #30
4 D #40
9 A IGSW
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
W
MPX1
SPD
FC
+B
RSO
11 A
23 A
17 B
10 A
1 A
5 D
W
P
V–W
G–Y
B–R
G–R
J10(A), J20(C) Junction Connector
H A (LHD)
H C (RHD)
H A (LHD)
H C (RHD)
8 IK1
1
DUTY
GND
VISC
I10 ISC Valve
3
2
W–B
B–R
W
P
V–W
G–Y
B–R
B–R
I 3
B–R
B–R
I 3
B–R
B–W
B–W
W–B
(RHD)
W–B(RHD)
W–B

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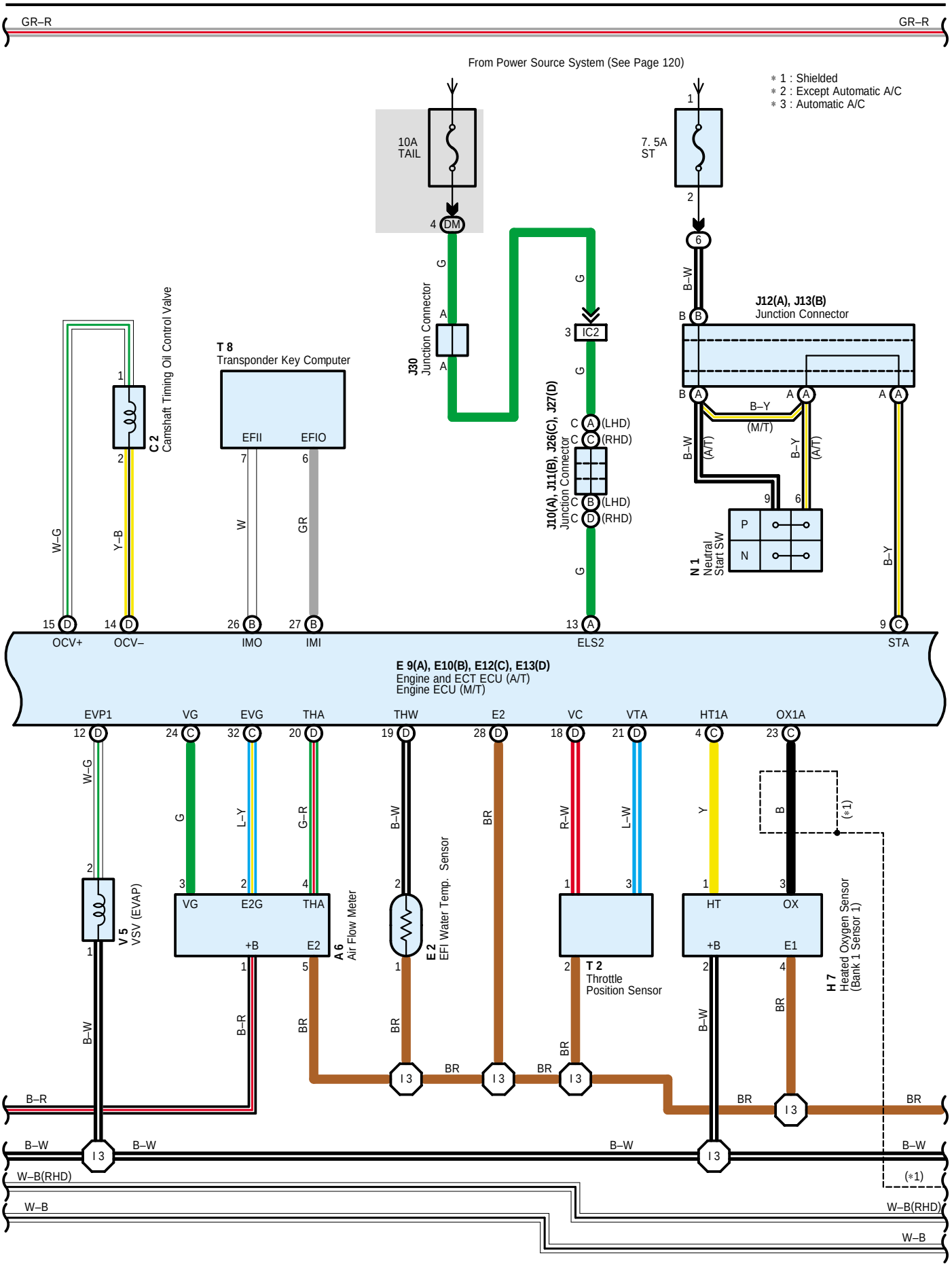
GR–R
GR–R
From Power Source System (See Page 120)
∗ 1 : Shielded
∗ 2 : Except Automatic A/C
∗ 3 : Automatic A/C
10A TAIL
7. 5A ST
J30 Junction Connector
J12(A), J13(B) Junction Connector
J10(A), J11(B), J26(C), J27(D) Junction Connector
C 2 Camshaft Timing Oil Control Valve
T 8 Transponder Key Computer
EFII
EFIO
N 1 Neutral Start SW
OCV+
OCV–
IMO
IMI
ELS2
STA
E 9(A), E10(B), E12(C), E13(D) Engine and ECT ECU (A/T) Engine ECU (M/T)
EVP1
VG
EVG
THA
THW
E2
VC
VTA
HT1A
OX1A
V 5 VSV (EVAP)
A 6 Air Flow Meter
E 2 EFI Water Temp. Sensor
T 2 Throttle Position Sensor
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
E2G
+B
HT
OX
E1
(LHD)
(RHD)
(M/T)
(A/T)
(∗1)
W–B(RHD)
W–B

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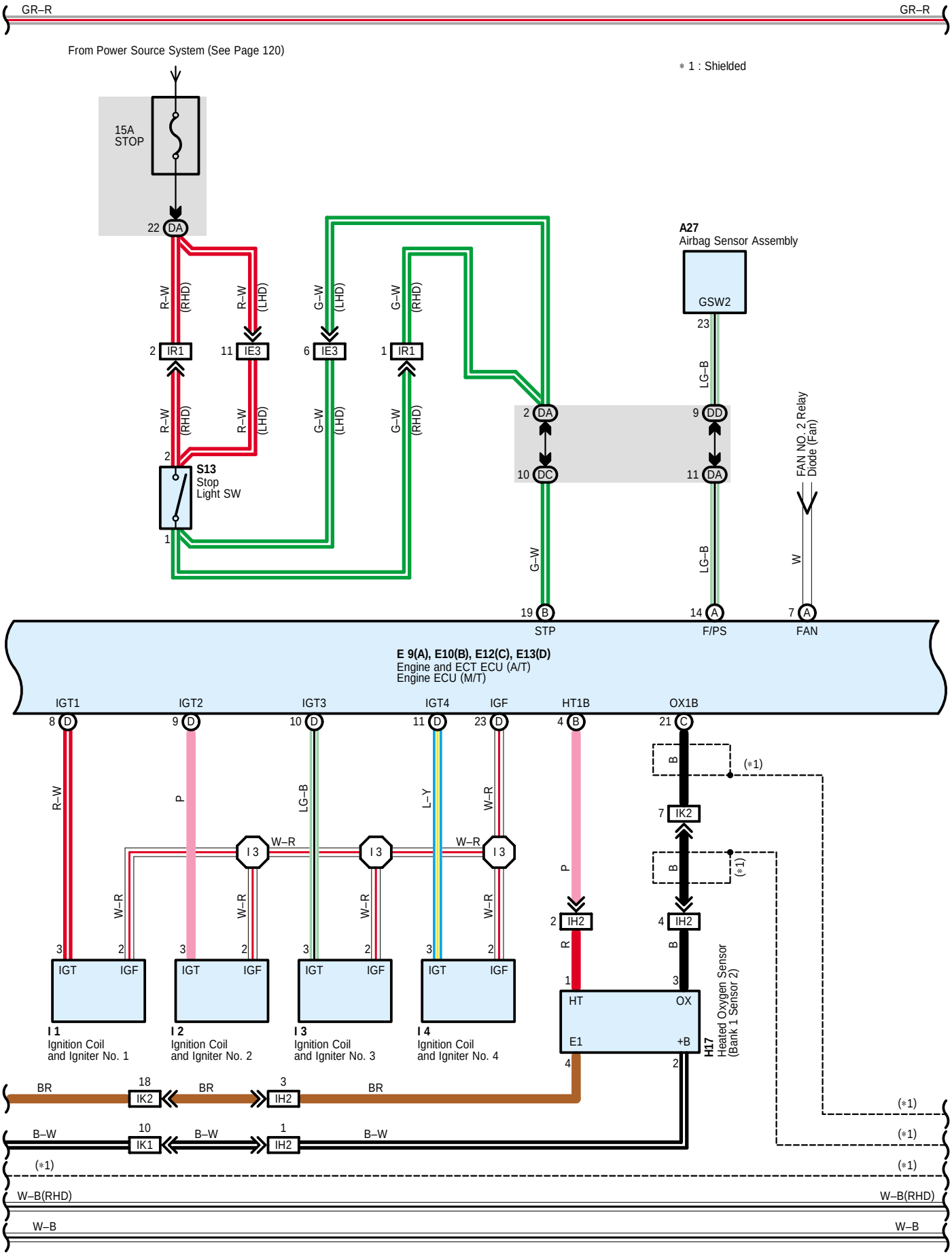
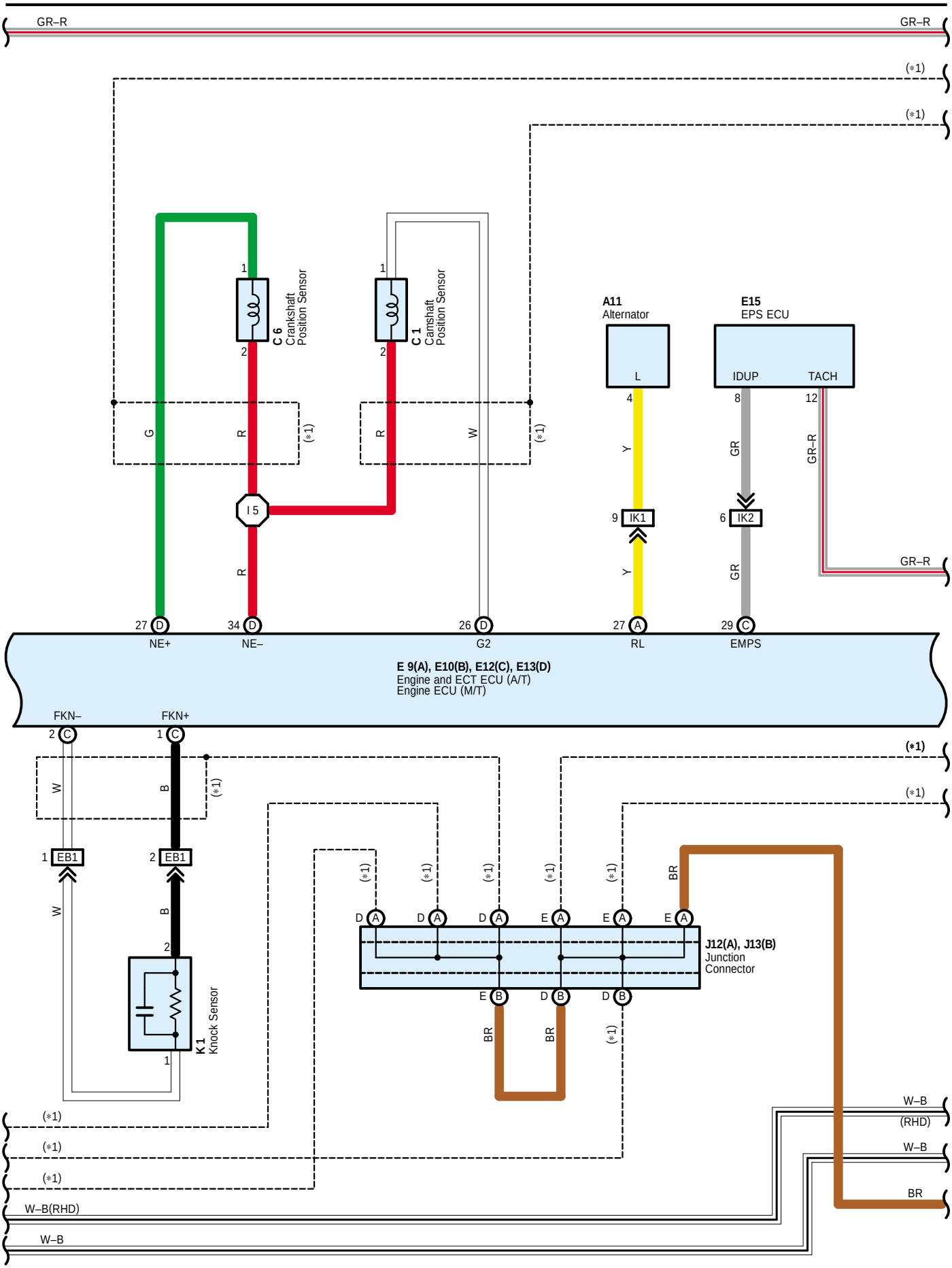

GR–R
GR–R
From Power Source System (See Page 120)
∗ 1 : Shielded
15A
STOP
22 DA
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
2 IR1
11 IE3
6 IE3
1 IR1
S13
Stop
Light SW
2
1
A27
Airbag Sensor Assembly
GSW2
23
LG–B
2 DA
10 DC
9 DD
11 DA
FAN NO. 2 Relay
Diode (Fan)
W
G–W
LG–B
19 B
14 A
7 A
STP
F/PS
FAN
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
IGT1
IGT2
IGT3
IGT4
IGF
HT1B
OX1B
8 D
9 D
10 D
11 D
23 D
4 B
21 C
R–W
P
LG–B
L–Y
W–R
I 3
B
(∗1)
7 IK2
2 IH2
4 IH2
R
P
B
1
3
HT
OX
E1
+B
4
2
H17
Heated Oxygen Sensor
(Bank 1 Sensor 2)
3 IGT
2 IGF
I 1
Ignition Coil
and Igniter No. 1
I 2
Ignition Coil
and Igniter No. 2
I 3
Ignition Coil
and Igniter No. 3
I 4
Ignition Coil
and Igniter No. 4
BR
18 IK2
3 IH2
B–W
10 IK1
1 IH2
W–B(RHD)
W–B

http://vnx.su


GR–R
GR–R
(*1)
(*1)
C 6
Crankshaft
Position Sensor
C 1
Camshaft
Position Sensor
A11
Alternator
L
E15
EPS ECU
IDUP
TACH
G
R
R
W
Y
GR
GR–R
I 5
IK1
IK2
27 D
NE+
34 D
NE–
26 D
G2
27 A
RL
29 C
EMPS
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
FKN–
FKN+
W
B
EB1
K1
Knock Sensor
BR
J12(A), J13(B)
Junction
Connector
W–B
(RHD)
W–B
BR
W–B(RHD)
W–B

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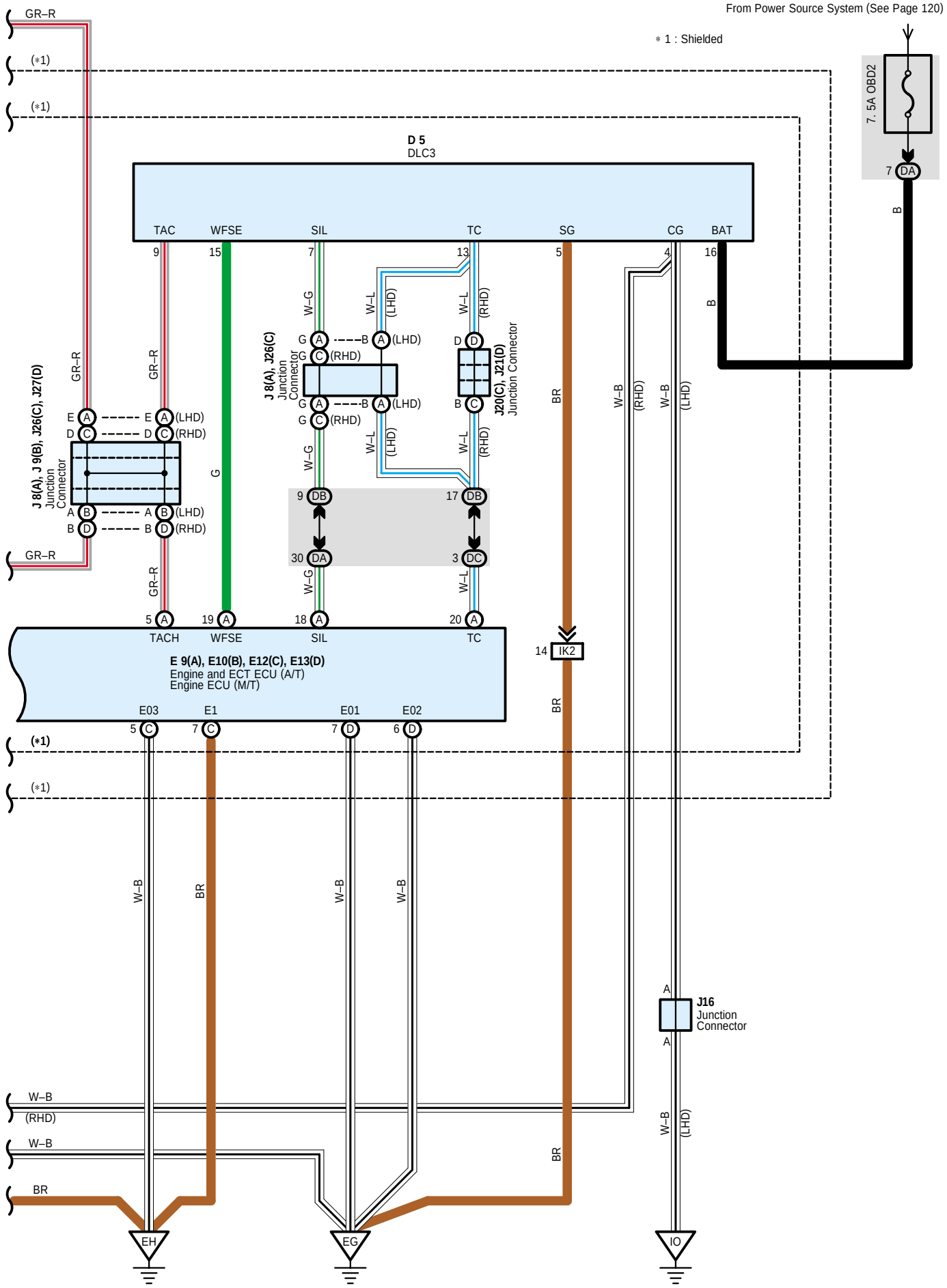
From Power Source System (See Page 120)
* 1 : Shielded
7. 5A OBD2
7 DA
B
D 5
DLC3
TAC
WFSE
SIL
TC
SG
CG
BAT
9
15
7
13
5
4
16
GR–R
G
W–G
W–L
(LHD)
(RHD)
J 8(A), J26(C)
Junction Connector
J20(C), J21(D)
Junction Connector
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
9 DB
17 DB
30 DA
3 DC
5 TACH
19 WFSE
18 SIL
20 TC
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
E03
E1
E01
E02
14 IK2
BR
W–B
(*1)
J16
Junction Connector
EH
EG
IO

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System Outline

This system utilizes an engine and ECT ECU (A/T) or engine ECU (M/T) and maintains overall control of the engine, transaxle and so on. An outline of the engine control is explained here.

1. Input Signals

(1) Water temp. signal circuit

The EFI water temp. sensor detects the engine coolant temp. and has a built–in thermistor with a resistance which varies according to the engine coolant temp. Thus the engine coolant temp. is input in the form of a control signal into TERMINAL THW of the engine and ECT ECU (A/T) or engine ECU (M/T).

(2) Intake air temp. signal circuit

The intake air temp. sensor is installed in the air flow meter and detects the intake air temp., which is input as a control signal into TERMINAL THA of the engine and ECT ECU (A/T) or engine ECU (M/T).

(3) Oxygen sensor signal circuit

The oxygen density in the exhaust emission is detected by the heated oxygen sensors and input as a control signal to TERMINALS OX1A and OX1B of the engine and ECT ECU (A/T) or engine ECU (M/T).

(4) RPM signal circuit

Camshaft position and crankshaft position air detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G2 of the engine and ECT ECU (A/T) or engine ECU (M/T), and engine RPM is input into TERMINAL NE+.

(5) Throttle signal circuit

The throttle position sensor detects the throttle valve opening angle, which is input as a control signal into TERMINAL VTA of the engine and ECT ECU (A/T) or engine ECU (M/T).

(6) Vehicle speed signal circuit

The speed sensor, detects the vehicle speed and inputs a control signal to TERMINAL SPD of the engine and ECT ECU (A/T) or engine ECU (M/T).

(7) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the engine and ECT ECU (A/T) or engine ECU (M/T). When the ignition SW is turned on, the voltage for engine and ECT ECU (A/T) or engine ECU (M/T) start–up power supply is applied to TERMINAL +B of engine and ECT ECU (A/T) or engine ECU (M/T) via EFI relay.

(8) Started signal circuit

To confirm whether the engine is cranking, the voltage applied to the starter motor during cranking is detected and the signal is input into TERMINAL STA of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(9) Engine knock signal circuit

Engine knocking is detected by knock sensor and the signal is input into TERMINAL FKN+ as a control signal.

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2. Control System

∗ EFI system
The EFI system monitors the engine condition through the signals, which are input from each sensor to the engine and ECT ECU (A/T) or engine ECU (M/T). The best fuel injection volume is decided based on this data and the program memorized by the engine and ECT ECU (A/T) or engine ECU (M/T), and the control signal is output to TERMINALS #10, #20, #30 and #40 of the engine and ECT ECU (A/T) or engine ECU (M/T) to operate the injector. (Inject the fuel). The EFI system produces control of fuel injection operation by the engine and ECT ECU (A/T) or engine ECU (M/T) in response to the driving conditions.

∗ ESA system
The ESA system monitors the engine condition through the signals, which are input to the engine and ECT ECU (A/T) or engine ECU (M/T) from each sensor the best ignition timing is detected according to this data and the memorized data in the engine and ECT ECU (A/T) or engine ECU (M/T), and the control signal is output to TERMINALS IGT1, IGT2, IGT3 and IGT4. This signal controls the igniter to provide the best ignition timing for the driving conditions.

∗ ISC system
The ISC system (Rotary solenoid type) increases the RPM and provides idling stability for fast idle–up when the engine is cold and when the idle speed has dropped due to electrical load, etc. The engine and ECT ECU (A/T) or engine ECU (M/T) evaluates the signals from each sensor, outputs current to TERMINAL RSO, and controls the ISC valve.

∗ Fuel pump control system
The engine and ECT ECU (A/T) or engine ECU (M/T) operation outputs to TERMINAL FC and controls the circuit opening relay. Thus controls the fuel pump drive speed in response to conditions.

∗ Heated oxygen sensor heater control system
The heated oxygen sensor heater control system turns the heater on when the intake air volume is low (Temp. of exhaust emissions is low), and warms up the heated oxygen sensors to improve detection performance of the sensors. The engine and ECT ECU (A/T) or engine ECU (M/T) evaluates the signals from each sensor, and outputs current to TERMINALS HT1A and HT1B to control the heater

∗ VVT–i system
The system controls the position of the spool valve of the oil control valve according to the signals from the engine and ECT ECU (A/T) or engine ECU (M/T). In this manner, the hydraulic pressure to the advance side vane chamber and the retard side vane chamber of the VVT is controlled to vary the intake camshaft phase continuously.

3. Diagnosis System

With the diagnosis system, when there is a malfunctioning in the engine and ECT ECU (A/T) or engine ECU (M/T) signal system, the malfunction system is recorded in the memory. The malfunctioning system can then be found by reading the display (Code) of the malfunction indicator lamp.

4. Fail–Safe System

When a malfunction occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail–safe system either controls the system by using data (Standard values) recorded in the engine and ECT ECU (A/T) or engine ECU (M/T) memory or else stops the engine.

Service Hints

E9 (A), E12 (C), E13 (D) Engine and ECT ECU (A/T) or Engine ECU (M/T)

BATT–E1 : Always approx. 8.0–14.0 volts
+B–E1 : 8.0–14.0 volts (Ignition SW at ON position)
VC–E2 : Always 4.85–5.15 volts (Ignition SW at ON position)
VTA–E2 : 0.3–1.0 volts (Ignition SW on and accelerator pedal fully closed)
3.0–4.9 volts (Ignition SW on and accelerator pedal fully open)
THW–E2 : 0.2–1.0 volts (Engine idling and EFI water temp. 80˚C)
THA–E2 : 0.5–3.4 volts (Engine idling and intake air temp. 20˚C)
G2–NE– : Pulse generation (Engine idling)
NE+ –NE– : Pulse generation (Engine idling)
W–E1 : Below 3.0 volts (Ignition SW at ON position)
#10, #20, #30, #40–E01 : 9–14 volts (Ignition SW at ON position)
IGT1, IGT2, IGT3, IGT4–E1 : Pulse generation (Engine cranking or idling)

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○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A6		42 (*5)	E15		47 (LHD)	J10	A	48 (LHD)
		62 (*9)			67 (RHD)	J11	B	48 (LHD)
A11		42 (*5)	F25		50 (LHD S/D)	J12	A	48 (LHD)
		62 (*9)			52 (LHD L/B)			68 (RHD)
A13	A	46 (LHD)			54 (LHD W/G)	J13	B	48 (LHD)
		66 (RHD)			70 (RHD S/D)			68 (RHD)
A15	B	46 (LHD)			72 (RHD L/B)	J16		48 (LHD)
		66 (RHD)			74 (RHD W/G)			68 (RHD)
A27		46 (LHD)	H7		42 (*5)	J20	C	68 (RHD)
		66 (RHD)			62 (*9)	J21	D	68 (RHD)
C1		42 (*5)	H17		47 (LHD)	J26	C	68 (RHD)
		62 (*9)			67 (RHD)	J27	D	68 (RHD)
C2		42 (*5)	I1		43 (*5)	J30		51 (LHD S/D)
		62 (*9)			63 (*9)			53 (LHD L/B)
C6		42 (*5)	I2		43 (*5)			55 (LHD W/G)
		62 (*9)			63 (*9)			71 (RHD S/D)
C8		46 (LHD)	I3		43 (*5)			73 (RHD L/B)
		66 (RHD)			63 (*9)			75 (RHD W/G)
C10	A	46 (LHD)	I4		43 (*5)	K1		43 (*5)
		66 (RHD)			63 (*9)			63 (*9)
C11	B	46 (LHD)	I5		43 (*5)	N1		43 (*5)
		66 (RHD)			63 (*9)			63 (*9)
D5		47 (LHD)	I6		43 (*5)	S2		43 (*5)
		67 (RHD)			63 (*9)			63 (*9)
E2		42 (*5)	I7		43 (*5)	S13		49 (LHD)
		62 (*9)			63 (*9)			69 (RHD)
E9	A	47 (LHD)	I8		43 (*5)	T2		43 (*5)
		67 (RHD)			63 (*9)			63 (*9)
E10	B	47 (LHD)	I10		43 (*5)	T8		49 (LHD)
		67 (RHD)			63 (*9)			69 (RHD)
E12	C	47 (LHD)	I14		47 (LHD)	V5		43 (*5)
		67 (RHD)			67 (RHD)			63 (*9)
E13	D	47 (LHD)	J8	A	48 (LHD)			
		67 (RHD)	J9	B	48 (LHD)			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DD		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	82 (*5)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	102 (*9)	
EB1	82 (*5)	Engine Wire and Engine No.4 Wire (Near the Alternator)
	102 (*9)	
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IC3	86 (LHD)	
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IH2	88 (LHD)	Floor No.3 Wire and Instrument Panel Wire (Instrument Panel Brace RH)
	106 (RHD)	
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Ground Points

Code	See Page	Ground Points Location
EC	82 (*5)	Engine Compartment Left
	102 (*9)	
EG	82 (*5)	Left Side of the Cylinder Head
	102 (*9)	
EH	82 (*5)	
	102 (*9)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BR	90 (LHD S/D)	Under the Left Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	82 (*5)	Engine Room Main Wire	I3	88 (LHD)	Engine Wire
	102 (*9)			108 (RHD)	
E3	82 (*5)	Engine Wire	I5	88 (LHD)	
	102 (*9)			108 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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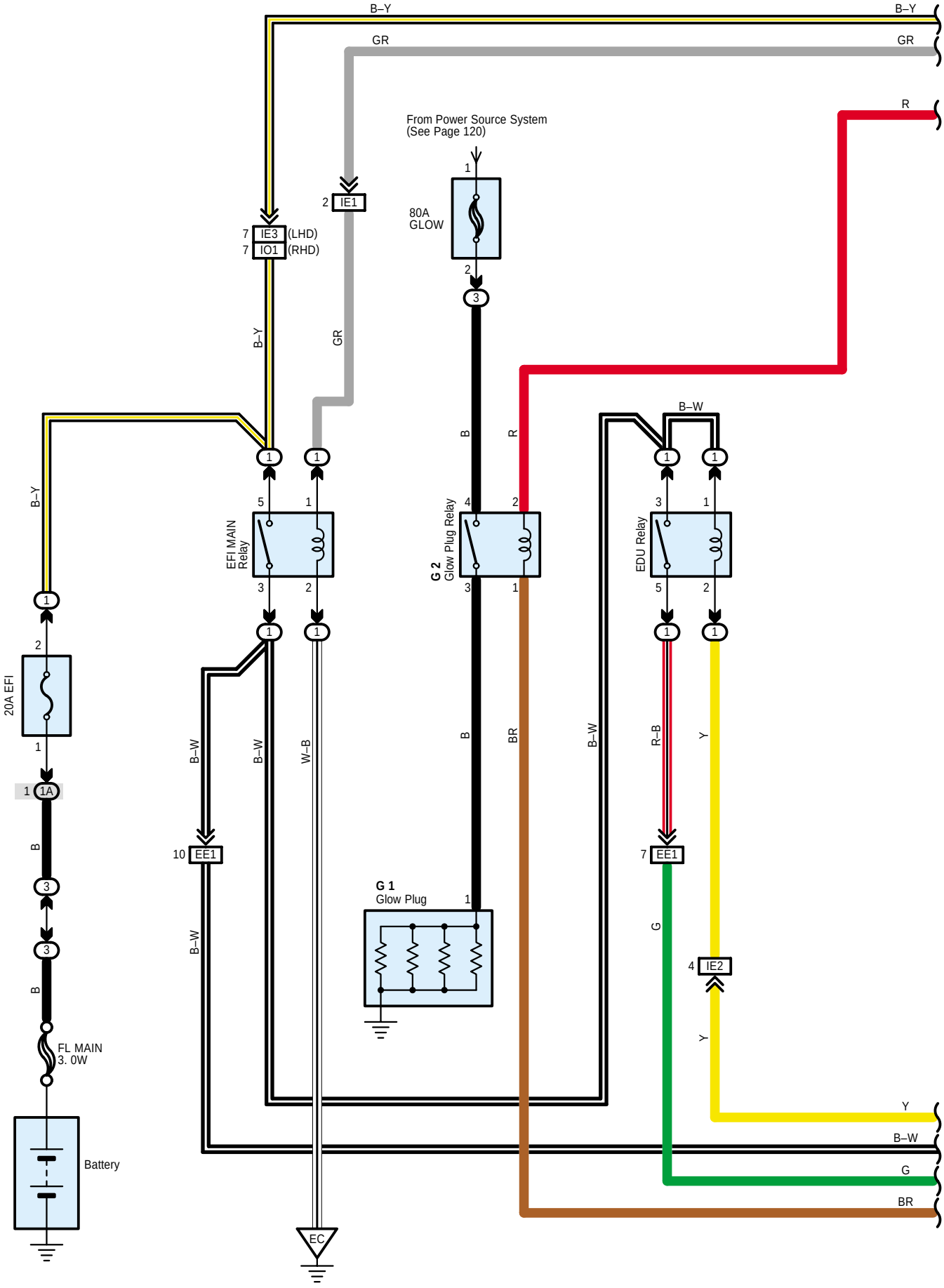
B–Y
B–Y
GR
GR
R
From Power Source System
(See Page 120)
2 IE1
7 IE3 (LHD)
7 IO1 (RHD)
80A
GLOW
B–Y
GR
B
R
B–W
EFI MAIN
Relay
G 2
Glow Plug Relay
EDU Relay
20A EFI
1A
B–W
W–B
B
BR
R–B
Y
10 EE1
7 EE1
G 1
Glow Plug
G
4 IE2
Y
FL MAIN
3. 0W
Battery
EC
Y
B–W
G
BR

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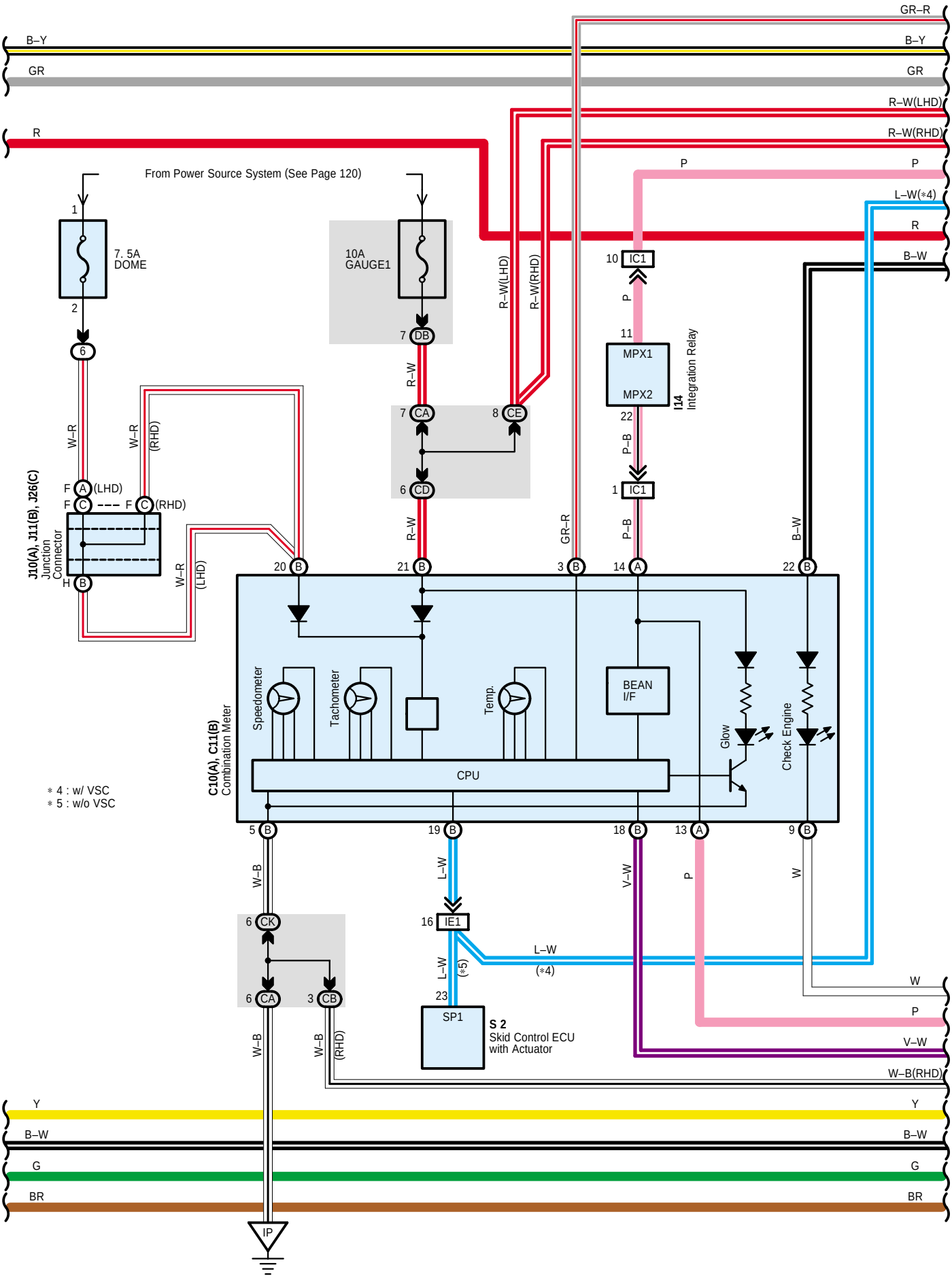
From Power Source System (See Page 120)
7. 5A DOME
10A GAUGE1
J10(A), J11(B), J26(C) Junction Connector
C10(A), C11(B) Combination Meter
Speedometer
Tachometer
Temp.
CPU
BEAN I/F
Glow
Check Engine
MPX1
MPX2
I14 Integration Relay
IC1
IE1
SP1
S 2 Skid Control ECU with Actuator
IP
R–W(LHD)
R–W(RHD)
GR–R
B–W
L–W(∗4)
L–W
(∗4)
L–W (∗5)
W–R
W–R (RHD)
W–R (LHD)
R–W
P–B
P
V–W
W
W–B
W–B (RHD)
W–B(RHD)
B–Y
GR
R
Y
G
BR
∗ 4 : w/ VSC
∗ 5 : w/o VSC

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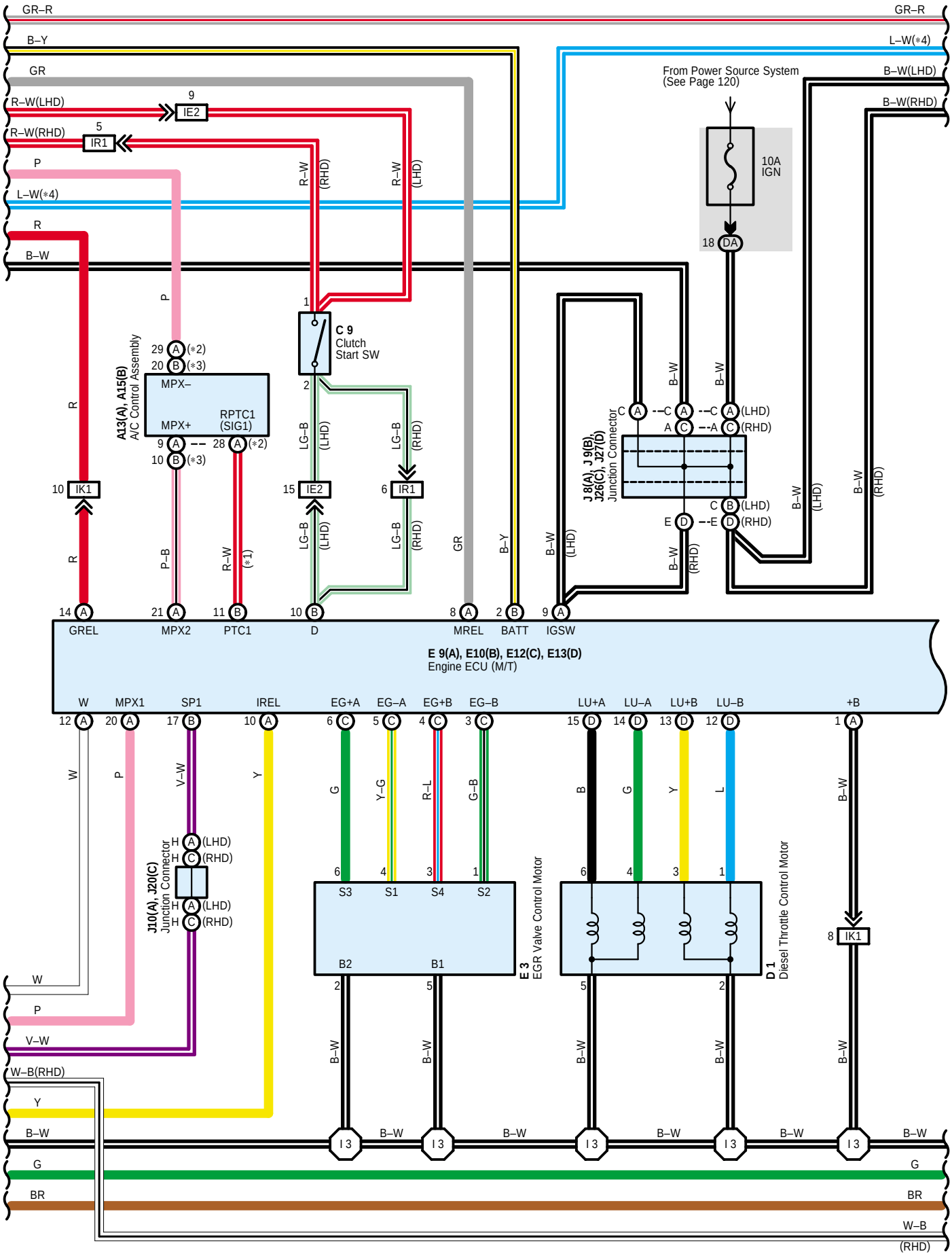
Engine Control (1CD–FTV)



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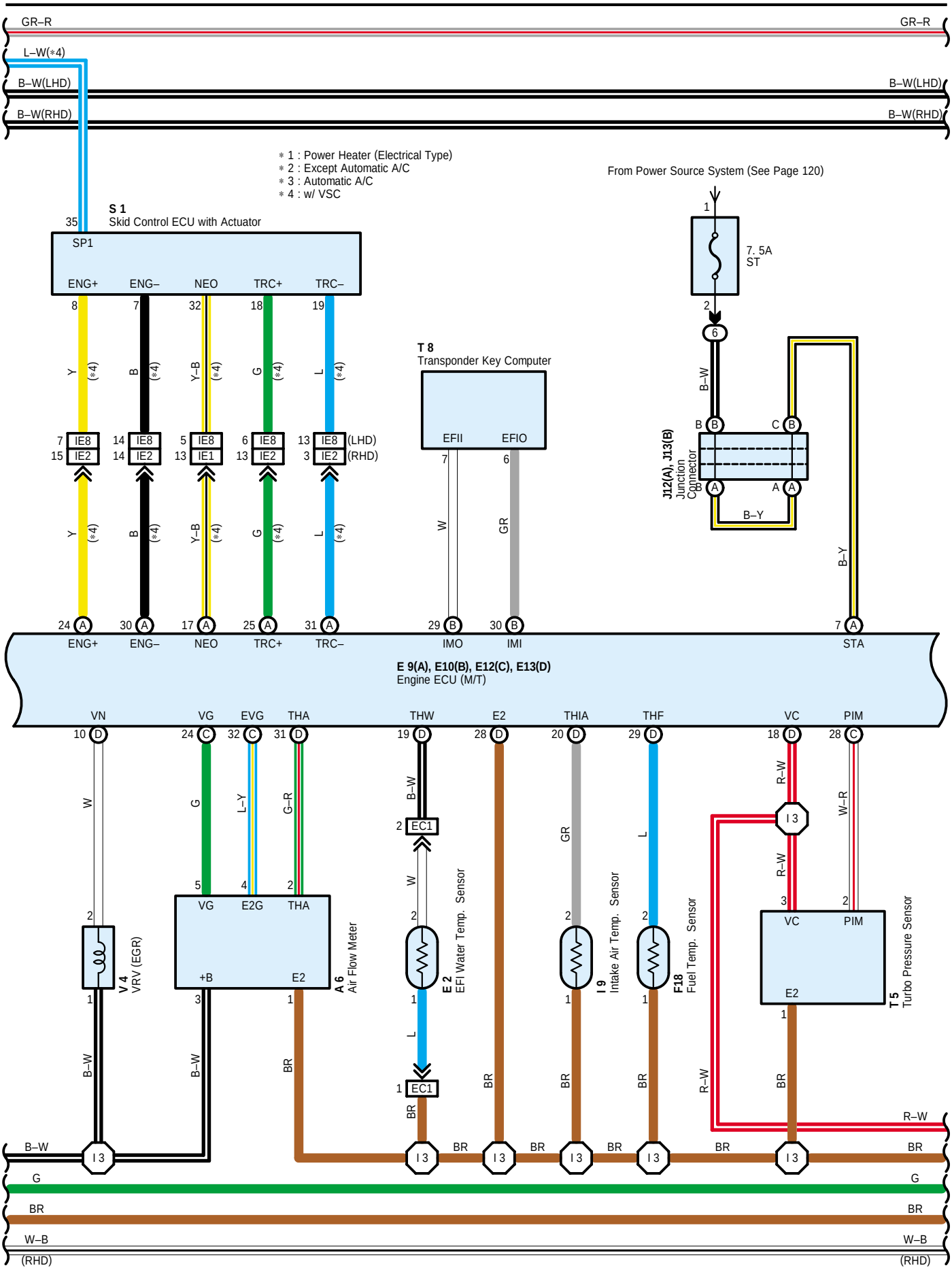
GR–R
GR–R
L–W(∗4)
B–W(LHD)
B–W(LHD)
B–W(RHD)
B–W(RHD)
∗ 1 : Power Heater (Electrical Type)
∗ 2 : Except Automatic A/C
∗ 3 : Automatic A/C
∗ 4 : w/ VSC
From Power Source System (See Page 120)
S 1
Skid Control ECU with Actuator
SP1
ENG+
ENG–
NEO
TRC+
TRC–
7.5A
ST
T 8
Transponder Key Computer
EFII
EFIO
J12(A), J13(B)
Junction Connector
(LHD)
(RHD)
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
IMO
IMI
STA
VN
VG
EVG
THA
THW
E2
THIA
THF
VC
PIM
V 4
VRV (EGR)
A 6
Air Flow Meter
E 2
EFI Water Temp. Sensor
I 9
Intake Air Temp. Sensor
F18
Fuel Temp. Sensor
T 5
Turbo Pressure Sensor
EC1
I 3
B–W
B–Y
R–W
W–B
(RHD)

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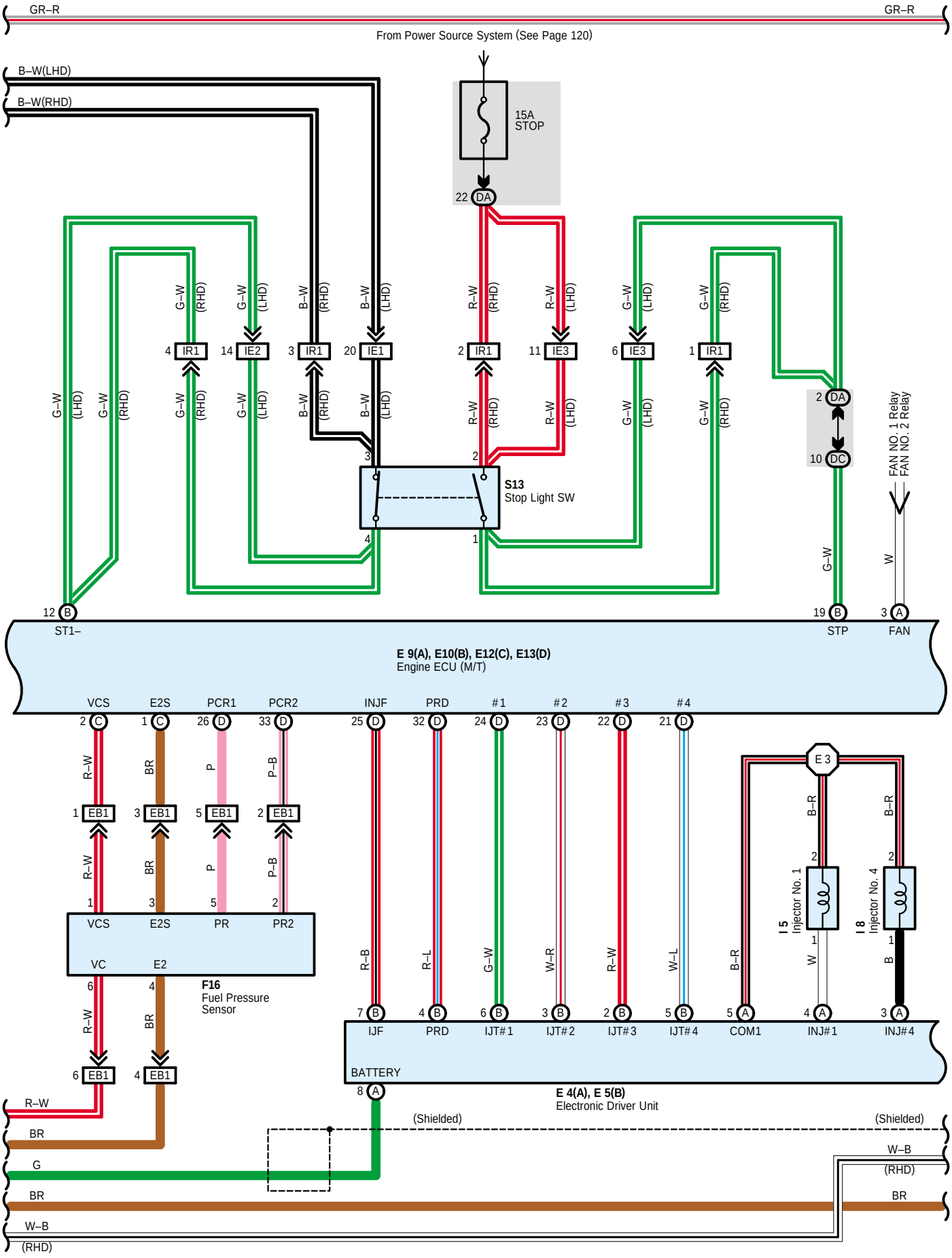
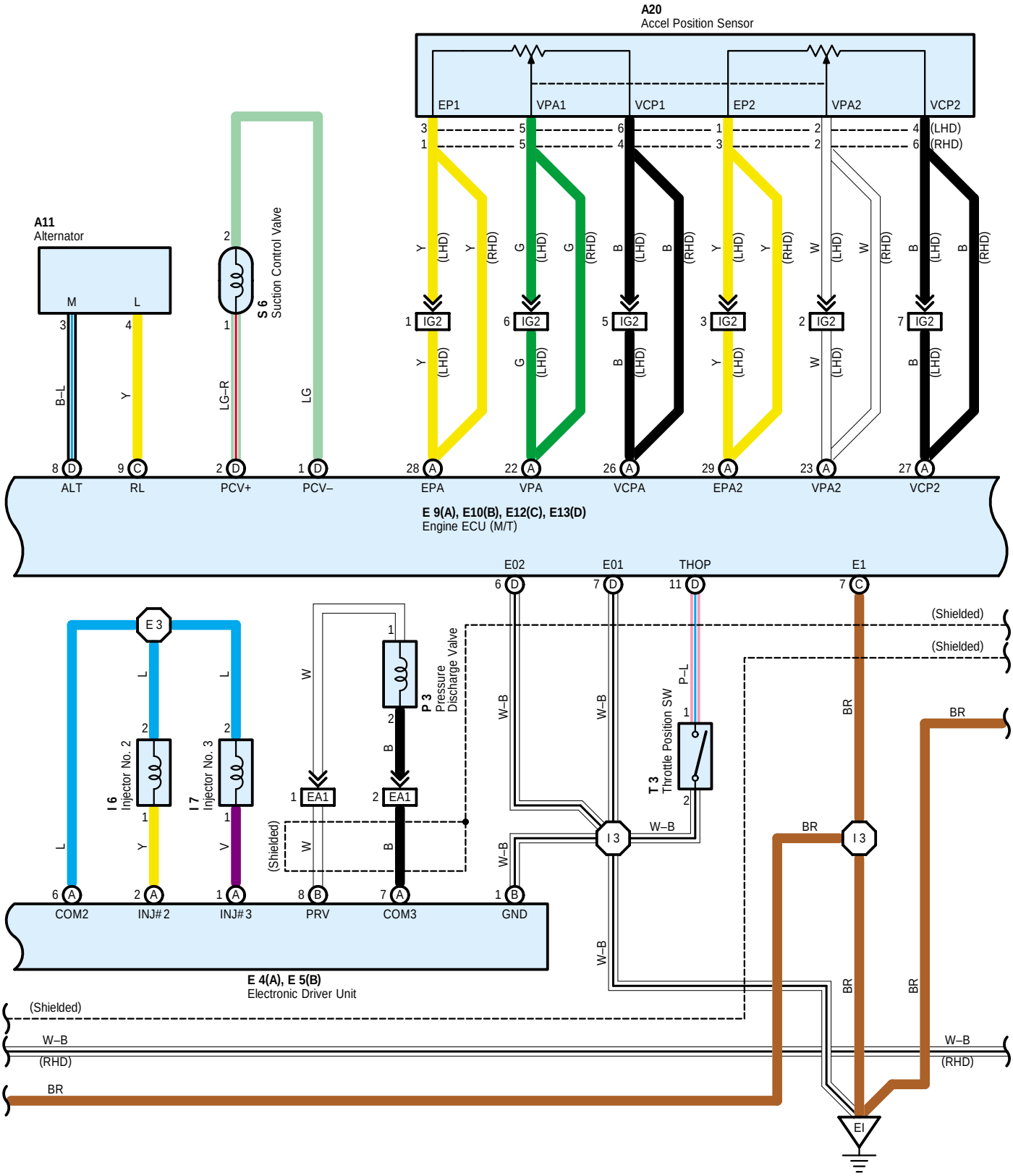

GR–R
GR–R
From Power Source System (See Page 120)
B–W(LHD)
B–W(RHD)
15A
STOP
22 DA
G–W (LHD)
G–W (RHD)
G–W (RHD)
G–W (LHD)
B–W (RHD)
B–W (LHD)
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
4 IR1
14 IE2
3 IR1
20 IE1
2 IR1
11 IE3
6 IE3
1 IR1
2 DA
10 DC
FAN NO. 1 Relay
FAN NO. 2 Relay
S13
Stop Light SW
12 B
ST1–
19 B
STP
3 A
FAN
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
VCS
E2S
PCR1
PCR2
INJF
PRD
#1
#2
#3
#4
R–W
BR
P
P–B
1 EB1
3 EB1
5 EB1
2 EB1
VCS
E2S
PR
PR2
VC
E2
F16
Fuel Pressure
Sensor
6 EB1
4 EB1
R–B
R–L
G–W
W–R
R–W
W–L
B–R
E 3
I 5
Injector No. 1
I 8
Injector No. 4
W
B
7 B
4 B
6 B
3 B
2 B
5 B
5 A
4 A
3 A
IJF
PRD
IJT#1
IJT#2
IJT#3
IJT#4
COM1
INJ#1
INJ#4
BATTERY
8 A
E 4(A), E 5(B)
Electronic Driver Unit
R–W
BR
G
BR
W–B
(RHD)
(Shielded)
(Shielded)
W–B
(RHD)
BR

http://vnx.su


GR–R
GR–R
A20
Accel Position Sensor
EP1
VPA1
VCP1
EP2
VPA2
VCP2
(LHD)
(RHD)
A11
Alternator
M
L
S 6
Suction Control Valve
IG2
B–L
Y
LG–R
LG
G
B
W
ALT
RL
PCV+
PCV–
EPA
VPA
VCPA
EPA2
VPA2
VCP2
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
E02
E01
THOP
E1
E 3
I 6
Injector No. 2
I 7
Injector No. 3
P 3
Pressure Discharge Valve
EA1
T 3
Throttle Position SW
P–L
I 3
(Shielded)
BR
W–B
COM2
INJ#2
INJ#3
PRV
COM3
GND
E 4(A), E 5(B)
Electronic Driver Unit
EI

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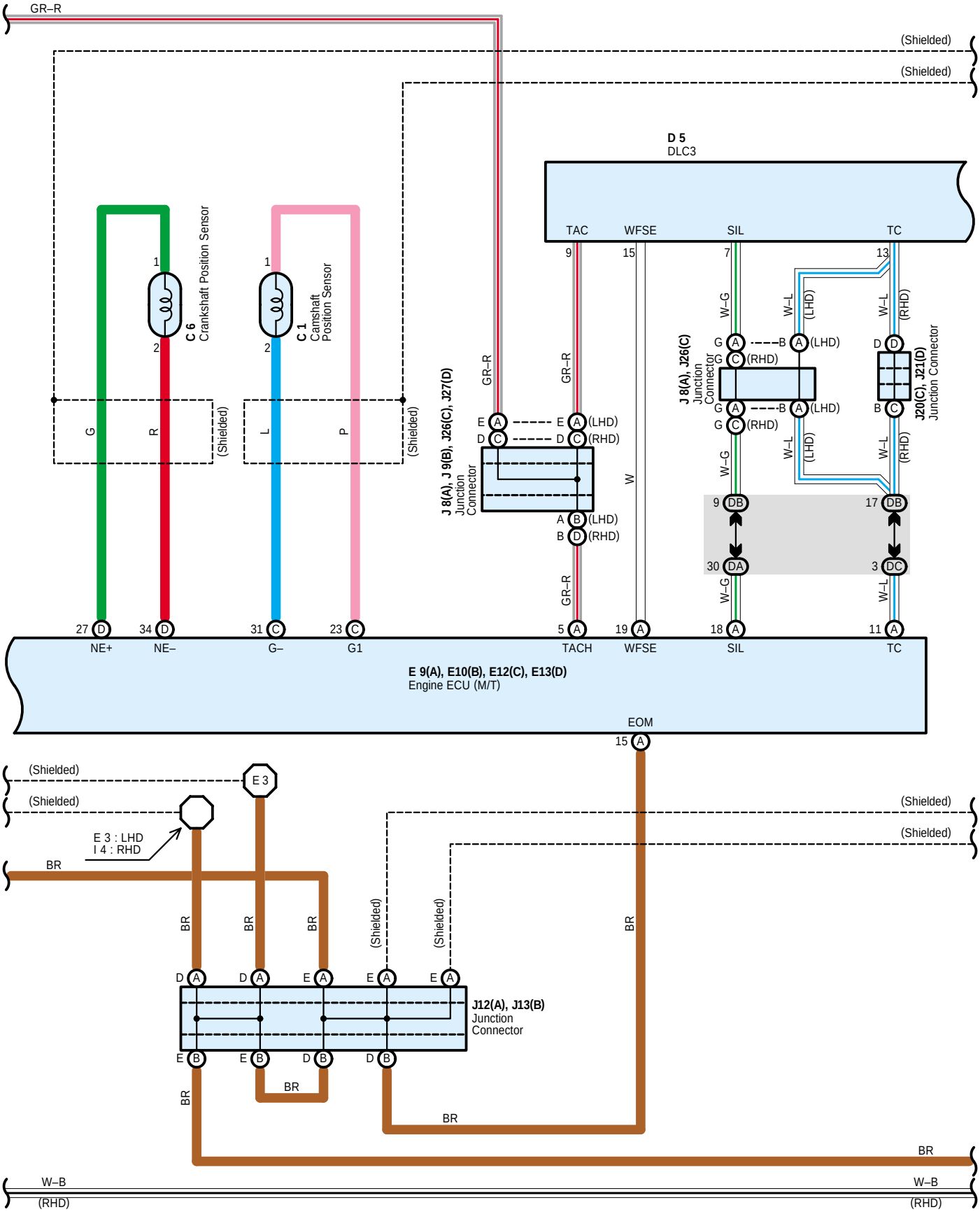
GR–R
(Shielded)
(Shielded)
D 5
DLC3
TAC
WFSE
SIL
TC
C 6
Crankshaft Position Sensor
C 1
Camshaft
Position Sensor
J 8(A), J 9(B), J26(C), J27(D)
Junction
Connector
J 8(A), J26(C)
Junction
Connector
J20(C), J21(D)
Junction Connector
(LHD)
(RHD)
W–G
W–L
W
G
R
L
P
(Shielded)
NE+
NE–
G–
G1
TACH
WFSE
SIL
TC
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
EOM
E 3
E 3 : LHD
I 4 : RHD
BR
J12(A), J13(B)
Junction
Connector
W–B
(RHD)

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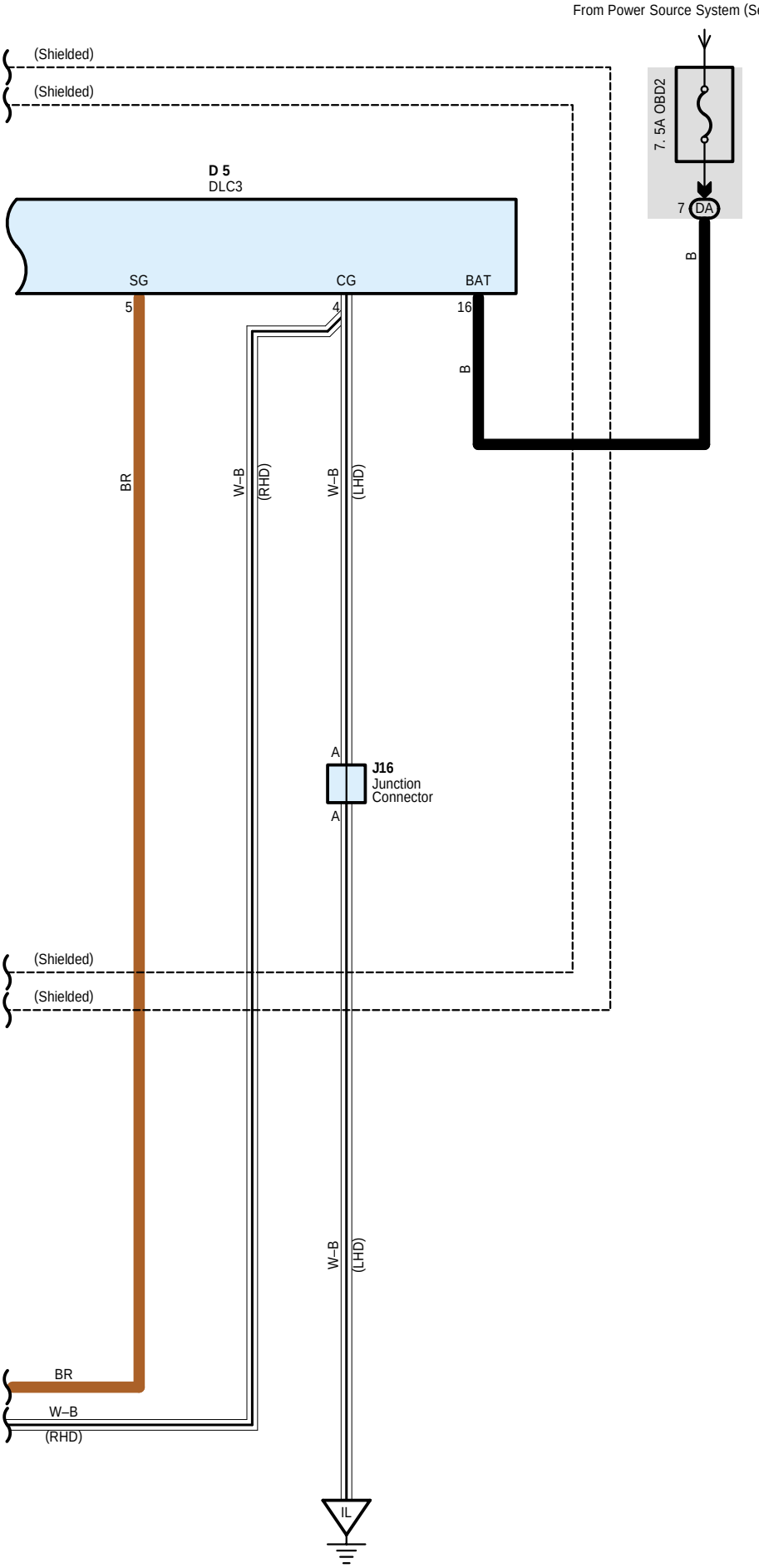
From Power Source System (See Page 120)
(Shielded)
(Shielded)
7. 5A OBD2
7
DA
B
D 5
DLC3
SG
CG
BAT
5
4
16
B
BR
W–B
(RHD)
W–B
(LHD)
A
J16
Junction
Connector
A
(Shielded)
(Shielded)
W–B
(LHD)
BR
W–B
(RHD)
IL

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System Outline

This system utilizes an engine ECU and maintains overall control of the engine, transaxle and so on. An outline of the engine control is explained here.

1. Input Signals

(1) Water temp. signal circuit

The EFI water temp. sensor detects the engine coolant temp. and has a built–in thermistor with a resistance varies according to the engine coolant temp. Thus the engine coolant temp. is input in the form of a control signal to TERMINAL THW of the engine ECU.

(2) Intake air temp. signal circuit

The intake air temp. sensor is installed in the air flow meter and detects the intake air temp., which is input as a control signal to TERMINAL THIA of the engine ECU.

(3) RPM signal circuit

Camshaft position and crankshaft position are detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G1 of the engine ECU, and engine RPM is input into TERMINAL NE+.

(4) Throttle signal circuit

The accelerator pedal position sensor detects the accelerator pedal opening angle, which is input as a control signal to TERMINALS VPA, VPA2 of the engine ECU.

(5) Vehicle speed signal circuit

The speed sensor detects the vehicle speed and inputs a control signal to TERMINAL SP1 of the engine ECU.

(6) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the engine ECU. When the ignition SW is turned to on, voltage for engine ECU operation is applied via the EFI MAIN relay to TERMINAL +B of the engine ECU.

(7) Started signal circuit

To confirm that the engine is cranking, the voltage applied to the starter motor during cranking is detected and is input as a control signal to TERMINAL STA of the engine ECU.

(8) Fuel temp. signal circuit

The fuel temp. sensor is detects the fuel temp., which is input as a control signal to TERMINAL THF of the engine ECU.

(9) Intake air vacuum pressure signal system

Intake air vacuum pressure is detected by the turbo pressure sensor and is input as a control signal to TERMINAL PIM of the engine ECU.

(10) Stop light SW signal circuit

The stop light SW is used to detect whether the vehicle is braking or not and the signal is input into TERMINAL STP of the engine ECU as a control signal.

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2. Control System

* EGR control system
  The EGR control system detects the signals from each sensors, then the current is output to the TERMINAL VN to control the VRV (EGR).
* Common rail pressure control
  The rail pressure is controlled by calculating the target rail pressure based on the engine status (Engine opening, engine speed), as well as the amount of fuel to be pressure–fed from the supply pump and the relief rate of the pressure reducing valve so that the detection value of the rail pressure sensor will meet the target value, and sending a signal to the suction volume regulating and pressure reducing valves.
* Fuel injection timing control
  The fuel injection timing is controlled by calculating the basic fuel injection timing based on the engine status (Engine opening, engine speed), making corrections according to the water temperature, suction air temperature, suction air pressure, etc., then sending a signal to the solenoid control valve of the ejector via the electronic driver unit.
* Fuel injection rate control
  The fuel injection rate is controlled by calculating the basic fuel injection rate based on the engine status (Engine opening, engine speed), making corrections according to the water temperature, suction air temperature, suction air pressure, etc., then sending a signal to the solenoid control valve of the ejector via the electronic driver unit.
* Pilot injection control
  The fuel injection timing and rate are controlled by calculating the pilot injection rate and timing based on the engine status (Engine opening, engine speed), making corrections according to the water temperature, suction air temperature, suction air pressure, etc., then sending a signal to the solenoid control valve of the ejector via the electronic driver unit.

3. Diagnosis System

With the diagnosis system, when there is a malfunctioning in the ECU signal system, the malfunction system is recorded in the memory. The malfunctioning system cab be found by reading the display (Code) of the check engine warning light.

4. Fail–safe System

When a malfunction occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail–safe system either controls the system by using data (Standard values) recorded in the ECU memory or else stops the engine.

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Service Hints

EDU Relay

5–3 : Closed with the ignition SW at ON or ST position

E9 (A), E10 (B), E12 (C), E13 (D) Engine ECU (M/T)

BATT–E1 : Always 9.0–14.0 volts
+B–E1 : 9.0–14.0 volts (Ignition SW at ON position)
VC, VCPA, VCP2, VCS–E1 : 4.5–5.5 volts (Ignition SW at ON position)
STA–E1 : 6.0 volts or more (Engine cranking)
MREL–E1 : 9.0–14.0 volts (Ignition SW at ON position)
0–1.5 volts (More than two seconds passed away after the ignition SW was turned to OFF)
IREL–E1 : 0–1.5 volts (Engine idling)
9.0–14.0 volts (Ignition SW at OFF position)
GREL–E1 : 9.0–14.0 volts (Engine cranking)
0–1.5 volts (Engine idling (More than 600 seconds passed away after the engine started to run))
NE+ –NE– : Pulse generation (Engine idling)
G1–G– : Pulse generation (Engine idling)
VPA–EPA : 0.5–1.1 volts (Ignition SW on and accelerator pedal fully closed)
3.0–4.6 volts (Ignition SW on and accelerator pedal fully opened)
VPA2–EPA2 : 0.9–2.3 volts (Ignition SW on and accelerator pedal fully closed)
3.4–5.0 volts (Ignition SW on and accelerator pedal fully opened)
STP–E1 : 7.5–14.0 volts (Ignition SW on and brake pedal depressed)
0–1.5 volts (Ignition SW on and brake pedal released)
ST1– –E1 : 0–1.5 volts (Ignition SW on and brake pedal depressed)
7.5–14.0 volts (Ignition SW on and brake pedal released)
PIM–E2 : 0.2–0.8 volts (When a negative pressure of 40 kPA (300 mmhg) is applied)
1.3–1.9 volts (During air release)
3.2–3.8 volts (When a pressure of 69 kPA (0.7 kg/cm^3) is applied)
THW–E2 : 0.2–1.0 volts (During warm–up and coolant temp. 60˚C, 140˚F–120˚C, 248˚F)
THA–E2 : 0.5–3.4 volts (During warm–up and intake temp. 0˚C, 32˚F–80˚C, 176˚F)
THIA–E2 : 0.5–3.4 volts (During warm–up and intake air temp. 0˚C, 32˚F–80˚C, 176˚F)
THF–E2 : 0.5–3.4 volts (During cooling with the ignition SW kept at the ON position)
VG–E2 : 0.5–3.4 volts (Engine idling)
PCR1–E2 : 1.8–2.1 volts (Engine idling)
PCR2–E2 : 1.2–1.5 volts (Engine idling)
ALT–E1 : Pulse generation (Engine idling)
RL–E1 : 9.0–14.0 volts (Engine idling)
PCV+ –PCV– : Pulse generation (Engine idling)
#1, #2, #3, #4–E1 : Pulse generation (Engine idling)
PRD–E1 : 4.0–6.5 volts (Ignition SW off)
INJF–E1 : Pulse generation (Engine idling)
EG+A–E1 : Pulse generation (During idling after warm–up)
EG–A–E1 : Pulse generation (During idling after warm–up)
EG+B–E1 : Pulse generation (During idling after warm–up)
EG–B–E1 : Pulse generation (During idling after warm–up)
LU+A–E1 : Pulse generation (During racing after warm–up)
LU–A–E1 : Pulse generation (During racing after warm–up)
LU+B–E1 : Pulse generation (During racing after warm–up)
LU–B–E1 : Pulse generation (During racing after warm–up)
THOP–E1 : 9.0–14.0 volts (During idling after warm–up)
0–3.0 volts (Only once within five seconds after the ignition SW was turned to ON)
VN–E1 : Pulse generation (Ignition SW at ON position)
MPX1–E1 : Pulse generation (During idling after warm–up)
MPX2–E1 : Pulse generation (During idling after warm–up)
W–E1 : 0–3.0 volts (Check engine warning light lights up and ignition SW at ON position)
9.0–14.0 volts (Engine idling and except check engine warning light lights up)
TACH–E1 : Pulse generation (Engine idling)
TC–E1 : 9.0–14.0 volts (Ignition SW at ON position)
0–3.0 volts (The DLC3 is shorted between the TERMINALS TC and CG)
D–E1 : 7.5–14.0 volts (Ignition SW on and clutch pedal depressed)
0–1.5 volts (Ignition SW on and clutch pedal released)

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: Parts Location

Code		See Page
A6		44 (*6)
		64 (*10)
A11		44 (*6)
		64 (*10)
A13	A	46 (LHD)
		66 (RHD)
A15	B	46 (LHD)
		66 (RHD)
A20		46 (LHD)
		66 (RHD)
C1		44 (*6)
		64 (*10)
C6		44 (*6)
		64 (*10)
C9		46 (LHD)
		66 (RHD)
C10	A	46 (LHD)
		66 (RHD)
C11	B	46 (LHD)
		66 (RHD)
D1		44 (*6)
		64 (*10)
D5		47 (LHD)
		67 (RHD)
E2		44 (*6)
		64 (*10)
E3		44 (*6)
		64 (*10)
E4	A	44 (*6)
		64 (*10)
E5	B	44 (*6)

Code		See Page
E5	B	64 (*10)
E9	A	47 (LHD)
		67 (RHD)
E10	B	47 (LHD)
		67 (RHD)
E12	C	47 (LHD)
		67 (RHD)
E13	D	47 (LHD)
		67 (RHD)
F16		44 (*6)
		64 (*10)
F18		44 (*6)
		64 (*10)
G1		44 (*6)
		64 (*10)
G2		44 (*6)
		64 (*10)
I5		45 (*6)
		65 (*10)
I6		45 (*6)
		65 (*10)
I7		45 (*6)
		65 (*10)
I8		45 (*6)
		65 (*10)
I9		45 (*6)
		65 (*10)
I14		47 (LHD)
		67 (RHD)
J8	A	48 (LHD)
J9	B	48 (LHD)

Code		See Page
J10	A	48 (LHD)
J11	B	48 (LHD)
J12	A	48 (LHD)
		68 (RHD)
J13	B	48 (LHD)
		68 (RHD)
J16		48 (LHD)
		68 (RHD)
J20	C	68 (RHD)
J21	D	68 (RHD)
J26	C	68 (RHD)
J27	D	68 (RHD)
P3		45 (*6)
		65 (*10)
S1		45 (*6)
		65 (*10)
S2		45 (*6)
		65 (*10)
S6		45 (*6)
		65 (*10)
S13		49 (LHD)
		69 (RHD)
T3		45 (*6)
		65 (*10)
T5		45 (*6)
		65 (*10)
T8		49 (LHD)
		69 (RHD)
V4		45 (*6)
		65 (*10)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	25 (*2)	Engine Room R/B No.1 (Engine Compartment Left)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25 (*2)	Engine Wire and Engine Room J/B No.1 (Engine Compartment Left)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CE		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	84 (*6) 104 (*10)	Engine Wire and Engine No.5 Wire (Near the Starter)
EB1	84 (*6) 104 (*10)	Engine Wire and Engine No.6 Wire (Near the Starter)
EC1	84 (*6) 104 (*10)	Engine Wire and Engine No.4 Wire (Near the Starter)
EE1	84 (*6) 104 (*10)	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
IC1	86 (LHD) 106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3 IE8	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IG2	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IK1	88 (LHD) 108 (RHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EC	84 (*6) 104 (*10)	Engine Compartment Left
EI	84 (*6) 104 (*10)	Near the Starter
IL	86 (LHD) 106 (RHD)	Behind the Combination Meter
IP	86 (LHD) 106 (RHD)	Right Kick Panel

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E3	84 (*6) 104 (*10)	Engine Wire	I3 I4	108 (RHD)	Engine Wire
I3	88 (LHD)				

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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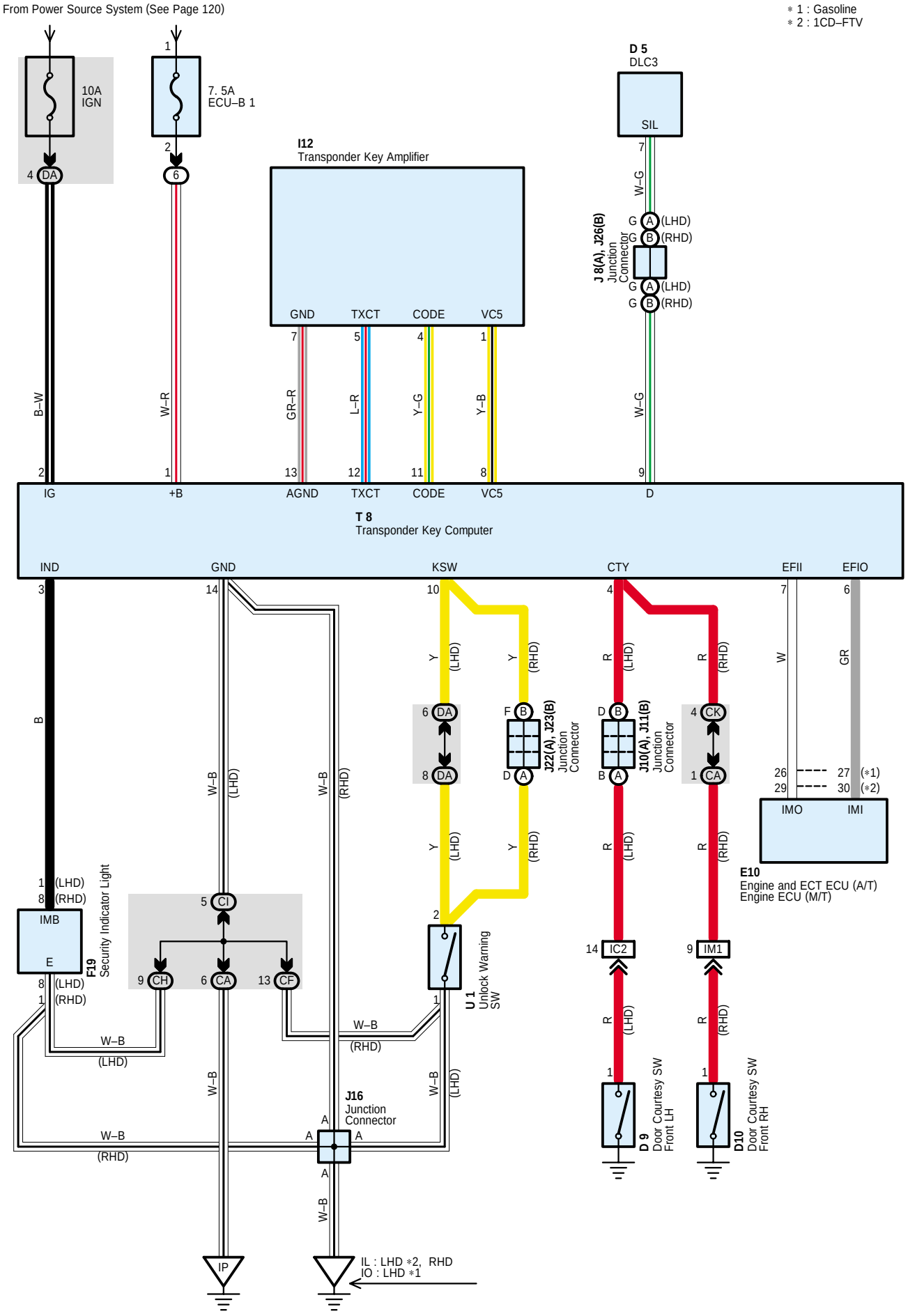
Engine Immobiliser System



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Service Hints

T8 Transponder Key Computer

1–Ground : Always approx. 12 volts
2–Ground : Approx. 12 volts with the ignition SW at ON position
14–Ground : Always continuity

U1 Unlock Warning SW

2–1 : Closed with the ignition key in cylinder

: Parts Location

Code	See Page	Code	See Page	Code	See Page
D5	47 (LHD)	E10	67 (RHD)	J16	68 (RHD)
	67 (RHD)	F19	47 (LHD)	J22 A	68 (RHD)
D9	50 (LHD S/D)		67 (RHD)	J23 B	68 (RHD)
	52 (LHD L/B)	I12	47 (LHD)	J26 B	68 (RHD)
	54 (LHD W/G)		67 (RHD)	T8	49 (LHD)
D10	70 (RHD S/D)	J8 A	48 (LHD)		69 (RHD)
	72 (RHD L/B)	J10 A	48 (LHD)	U1	49 (LHD)
	74 (RHD W/G)	J11 B	48 (LHD)		69 (RHD)
E10	47 (LHD)	J16	48 (LHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CF		
CH	35	
CI		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

: Ground Points

Code	See Page	Ground Points Location
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

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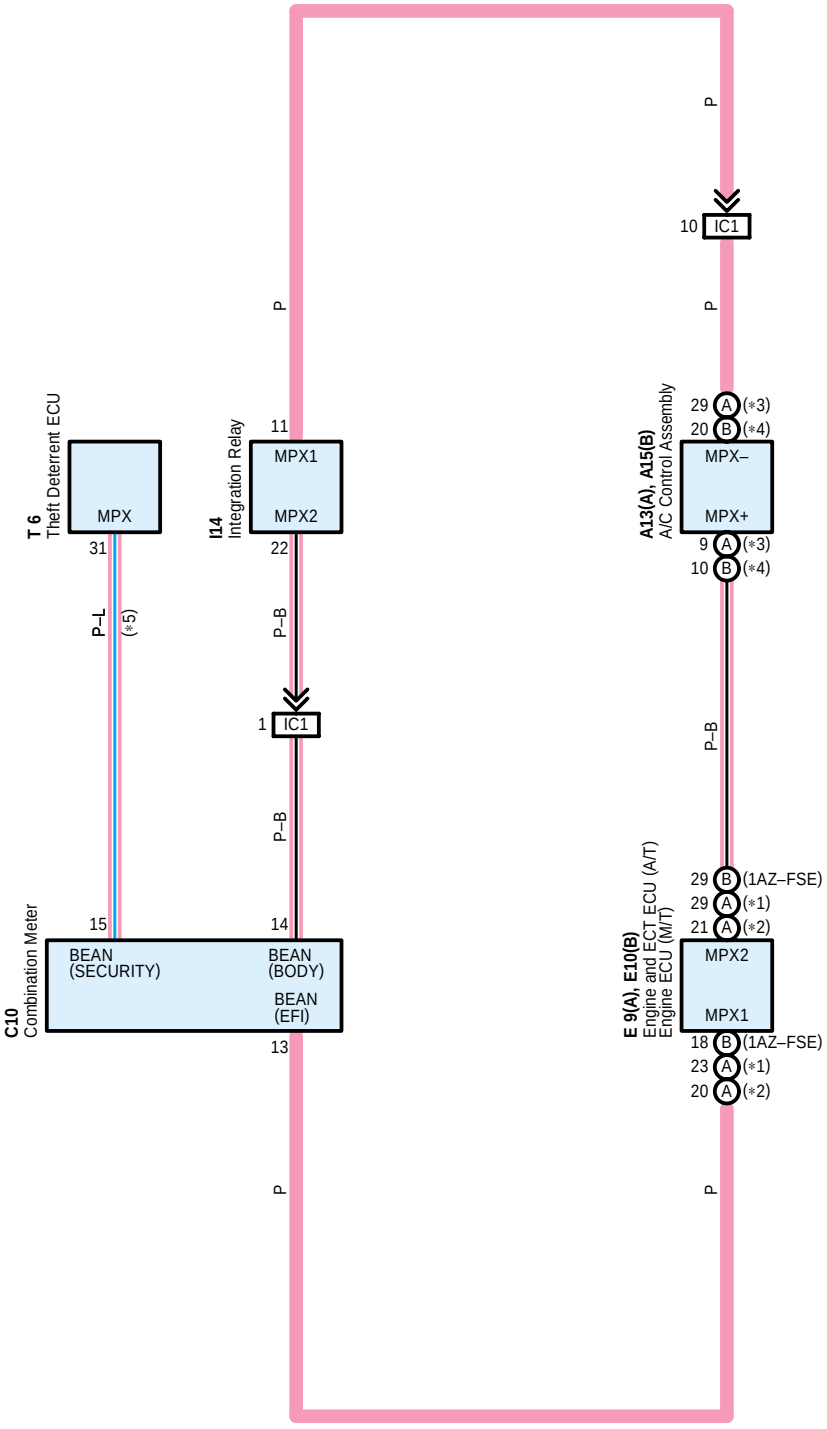
∗ 1 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗ 2 : 1CD–FTV
∗ 3 : Except Automatic A/C
∗ 4 : Automatic A/C
∗ 5 : w/ Theft Deterrent



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System Outline

The multiplex communication system communicates among the integration relay, A/C control assembly, engine and ECT ECU (A/T), engine ECU (M/T), combination meter, theft deterrent ECU and controls the following systems according to the signals from respective sensors or switches.

Multiplex Communication System Includes Following Systems

- **Door Lock Control**
- **Double Locking**
- **Headlight (w/ Daytime Running Light)**
- **Interior Light**
- **Key Reminder**
- **Light Reminder**
- **Seat Belt Warning**
- **Theft Deterrent**
- **Wireless Door Lock Control**

○ : Parts Location

Code		See Page	Code		See Page	Code	See Page
A13	A	46 (LHD)	C10		66 (RHD)	I14	47 (LHD)
		66 (RHD)	E9	A	47 (LHD)		67 (RHD)
A15	B	46 (LHD)			67 (RHD)	T6	69 (RHD)
		66 (RHD)	E10	B	47 (LHD)		
C10		46 (LHD)			67 (RHD)		

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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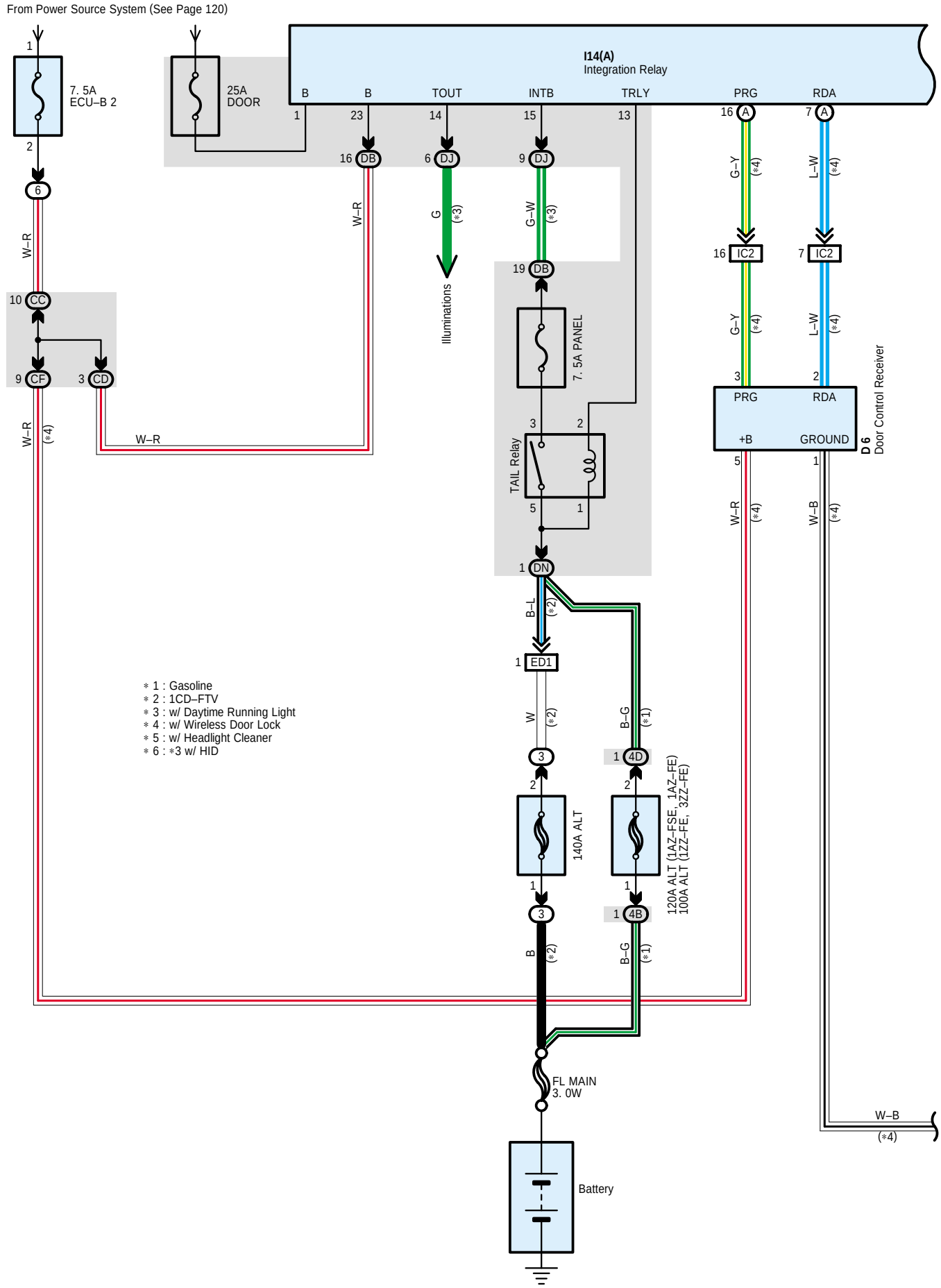
Multiplex Communication System (LHD)



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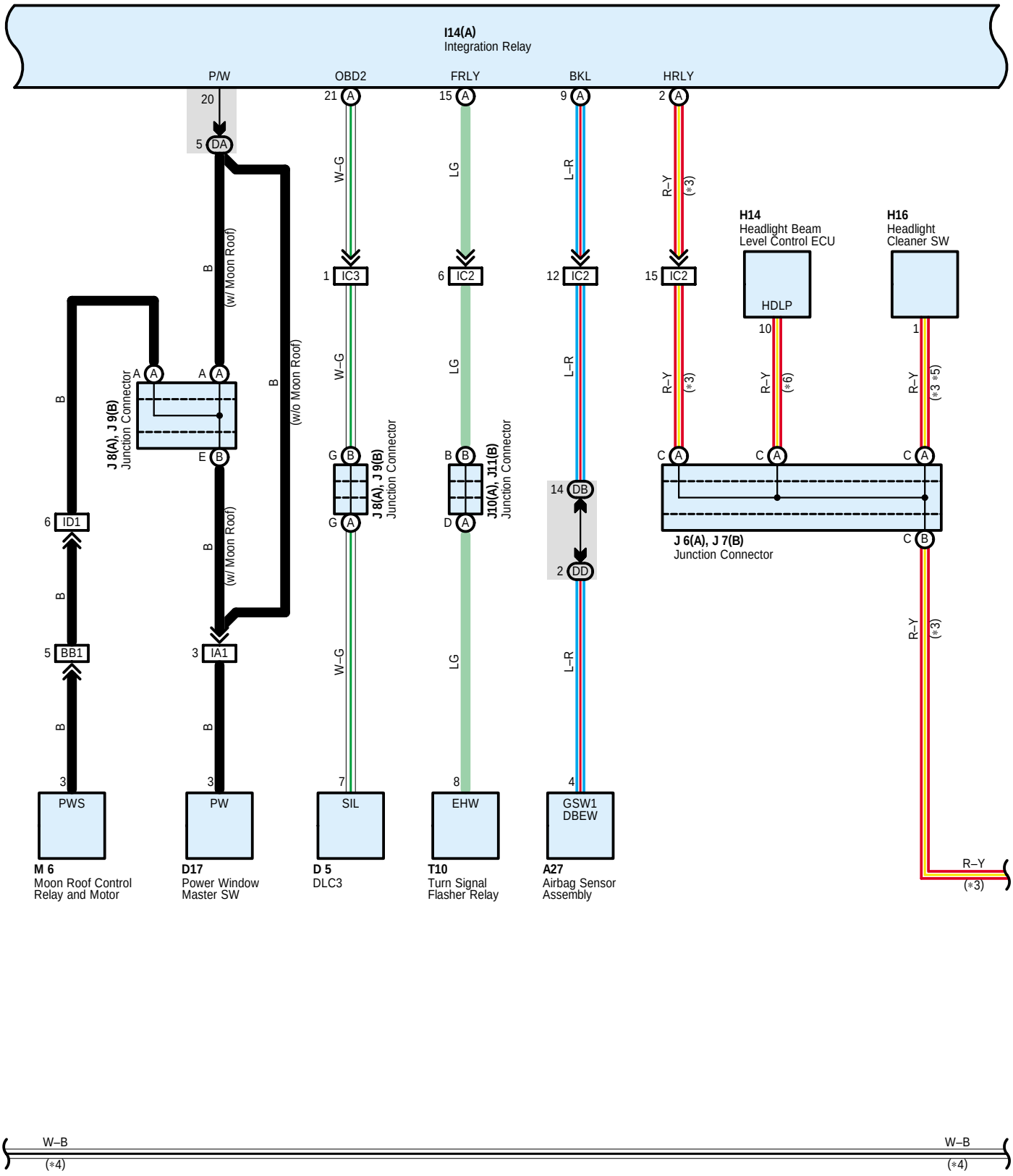
I14(A)
Integration Relay
P/W
OBD2
FRLY
BKL
HRLY
20
5 DA
21 A
15 A
9 A
2 A
W–G
LG
L–R
R–Y
(*3)
B
(w/ Moon Roof)
(w/o Moon Roof)
H14
Headlight Beam
Level Control ECU
HDLP
10
H16
Headlight
Cleaner SW
1
1 IC3
6 IC2
12 IC2
15 IC2
J 8(A), J 9(B)
Junction Connector
J10(A), J11(B)
Junction Connector
J 6(A), J 7(B)
Junction Connector
(*6)
(*3 *5)
6 ID1
5 BB1
3 IA1
14 DB
2 DD
3
7
8
4
PWS
PW
SIL
EHW
GSW1
DBEW
M 6
Moon Roof Control
Relay and Motor
D17
Power Window
Master SW
D 5
DLC3
T10
Turn Signal
Flasher Relay
A27
Airbag Sensor
Assembly
W–B
(*4)

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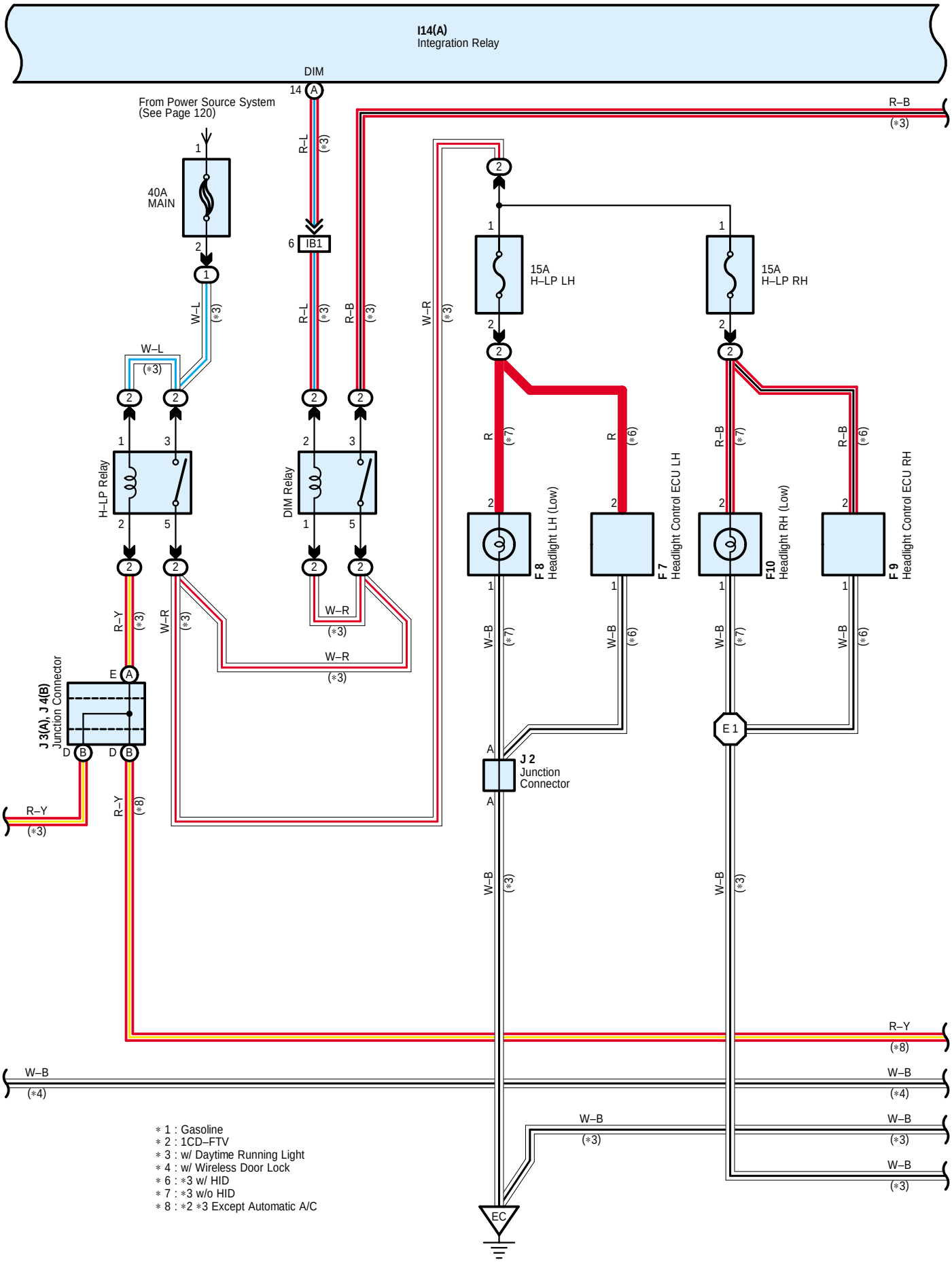
Multiplex Communication System (LHD)



* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
* 6 : *3 w/ HID
* 7 : *3 w/o HID
* 8 : *2 *3 Except Automatic A/C

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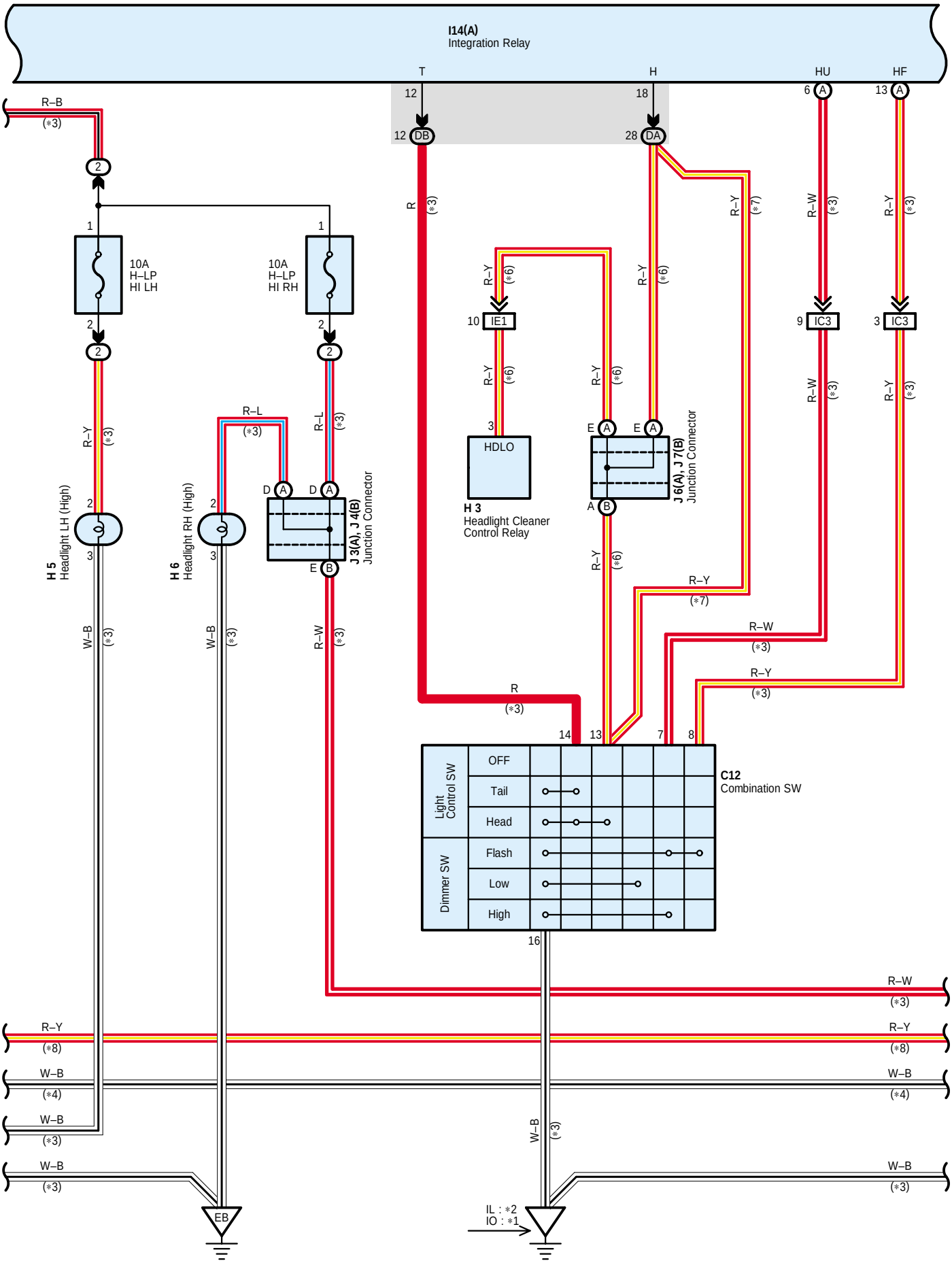
I14(A)
Integration Relay
T
H
HU
HF
12
18
6
13
12 DB
28 DA
R–B
(*3)
10A
H–LP
HI LH
10A
H–LP
HI RH
R–Y
R–L
R–W
W–B
H 5
Headlight LH (High)
H 6
Headlight RH (High)
J 3(A), J 4(B)
Junction Connector
H 3
Headlight Cleaner
Control Relay
IE1
HDLO
IC3
J 6(A), J 7(B)
Junction Connector
R
R–Y
(*7)
R–W
(*3)
R–Y
(*3)
C12
Combination SW
Light Control SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
R–W
(*3)
R–Y
(*8)
W–B
(*4)
W–B
(*3)
W–B
(*3)
EB
IL : *2
IO : *1

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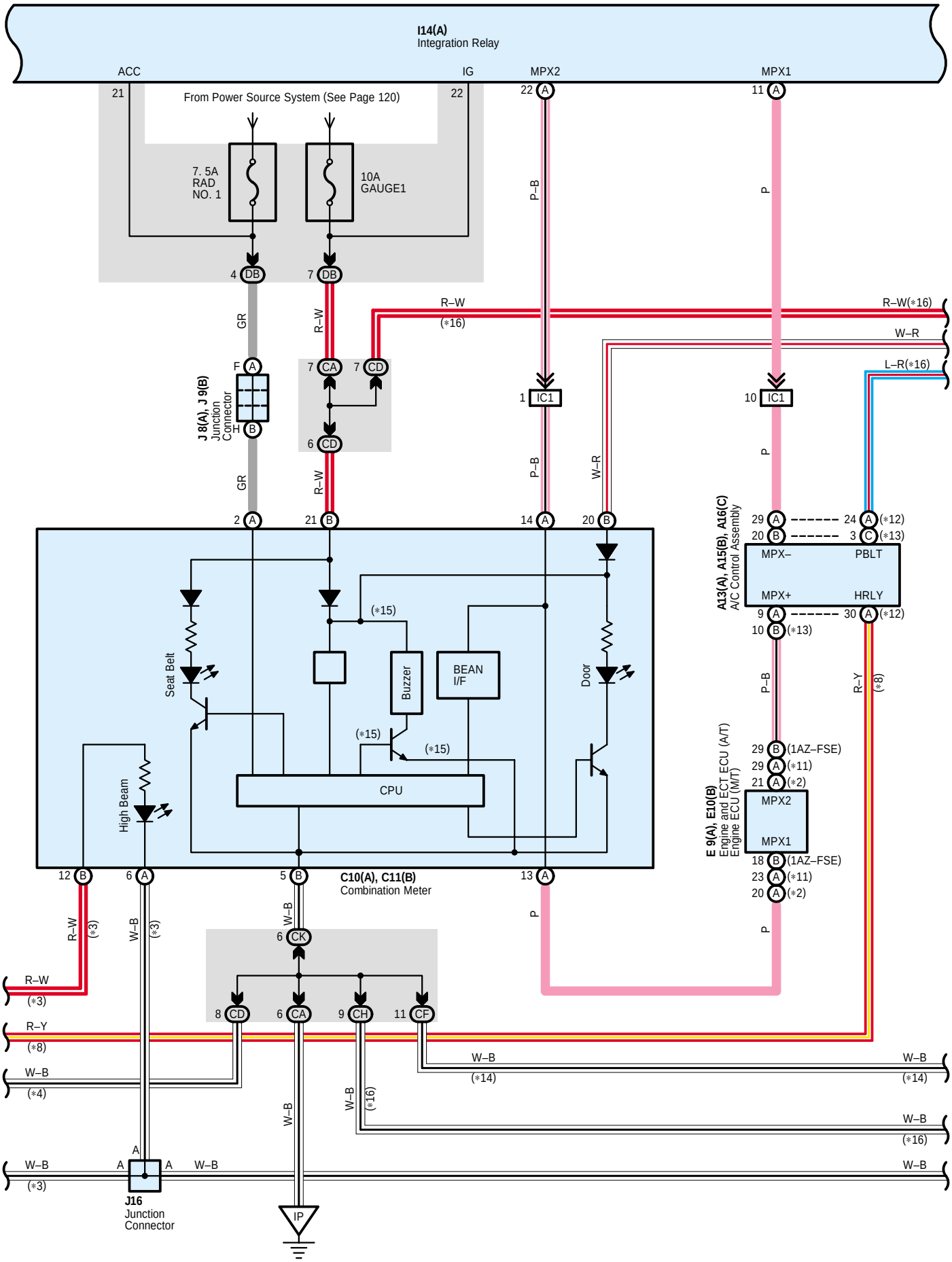
I14(A)
Integration Relay
ACC
IG
MPX2
MPX1
From Power Source System (See Page 120)
7. 5A
RAD
NO. 1
10A
GAUGE1
J 8(A), J 9(B)
Junction
Connector
A13(A), A15(B), A16(C)
A/C Control Assembly
MPX–
PBLT
MPX+
HRLY
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
MPX2
MPX1
(1AZ–FSE)
Seat Belt
High Beam
Buzzer
BEAN
I/F
Door
CPU
C10(A), C11(B)
Combination Meter
J16
Junction
Connector
IP
R–W
R–W(*16)
W–R
L–R(*16)
P–B
P
GR
R–Y
W–B
L–R
(*3)
(*4)
(*8)
(*11)
(*12)
(*13)
(*14)
(*15)
(*16)
(*2)

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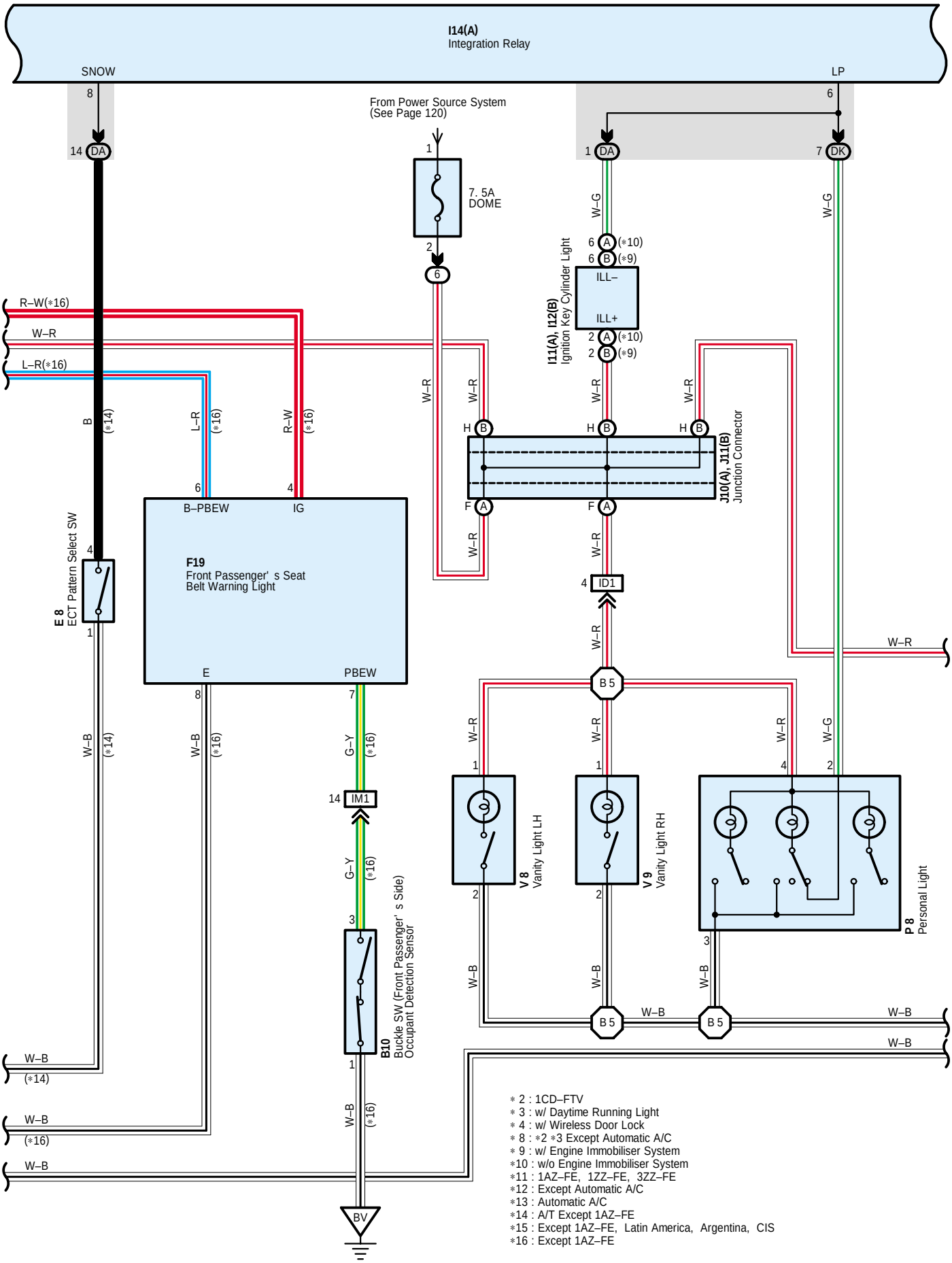
I14(A)
Integration Relay
SNOW
LP
From Power Source System
(See Page 120)
7. 5A
DOME
I11(A), I12(B)
Ignition Key Cylinder Light
ILL–
ILL+
J10(A), J11(B)
Junction Connector
E 8
ECT Pattern Select SW
F19
Front Passenger' s Seat
Belt Warning Light
B–PBEW
IG
E
PBEW
ID1
IM1
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
V 8
Vanity Light LH
V 9
Vanity Light RH
P 8
Personal Light
BV
R–W(∗16)
W–R
L–R(∗16)
B
L–R
R–W
W–B
G–Y
W–G
∗ 2 : 1CD–FTV
∗ 3 : w/ Daytime Running Light
∗ 4 : w/ Wireless Door Lock
∗ 8 : ∗2 ∗3 Except Automatic A/C
∗ 9 : w/ Engine Immobiliser System
∗10 : w/o Engine Immobiliser System
∗11 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗12 : Except Automatic A/C
∗13 : Automatic A/C
∗14 : A/T Except 1AZ–FE
∗15 : Except 1AZ–FE, Latin America, Argentina, CIS
∗16 : Except 1AZ–FE

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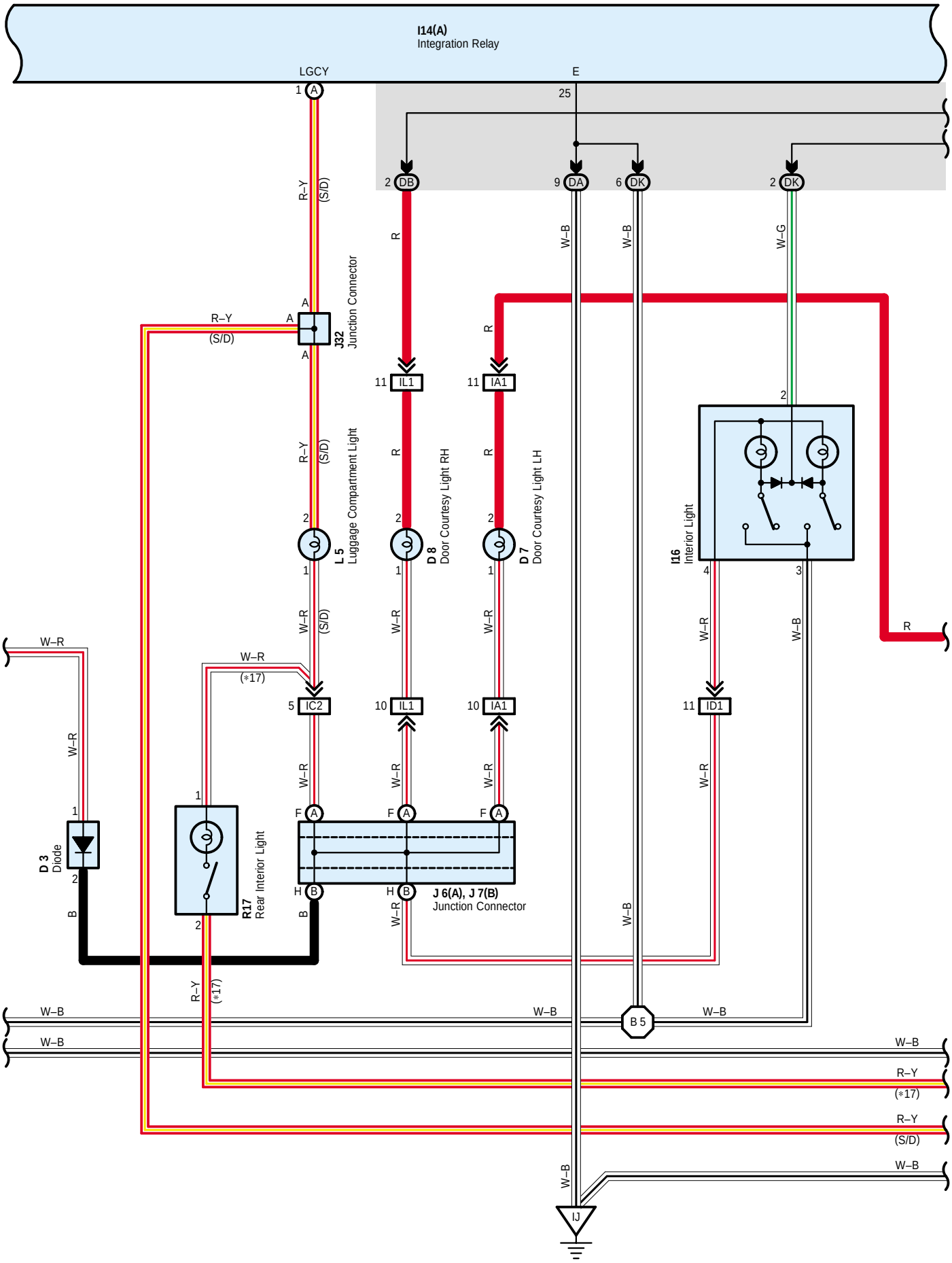
I14(A)
Integration Relay
LGCY
E
25
2 DB
9 DA
6 DK
2 DK
R–Y (S/D)
R
W–B
W–G
J32 Junction Connector
L 5 Luggage Compartment Light
D 8 Door Courtesy Light RH
D 7 Door Courtesy Light LH
I16 Interior Light
11 IL1
11 IA1
2
W–R
(*17)
5 IC2
10 IL1
10 IA1
11 ID1
D 3 Diode
R17 Rear Interior Light
J 6(A), J 7(B) Junction Connector
B 5
IJ

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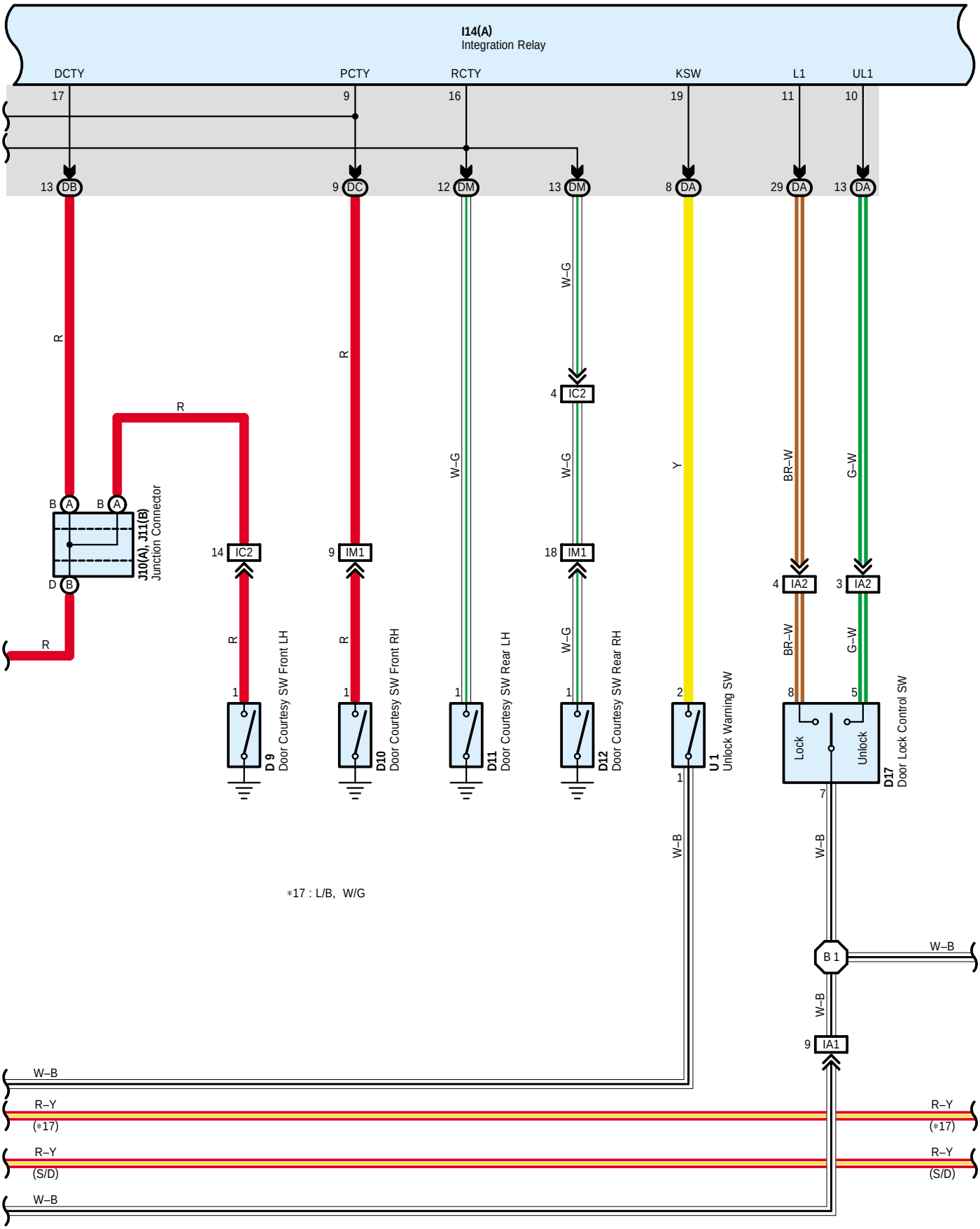
I14(A)
Integration Relay
DCTY
PCTY
RCTY
KSW
L1
UL1
17
9
16
19
11
10
13 DB
9 DC
12 DM
13 DM
8 DA
29 DA
13 DA
R
W–G
Y
BR–W
G–W
4 IC2
18 IM1
14 IC2
9 IM1
4 IA2
3 IA2
B A
B A
D B
J10(A), J11(B)
Junction Connector
D 9
Door Courtesy SW Front LH
D10
Door Courtesy SW Front RH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
U 1
Unlock Warning SW
D17
Door Lock Control SW
Lock
Unlock
W–B
B 1
9 IA1
∗17 : L/B, W/G
R–Y
(∗17)
(S/D)

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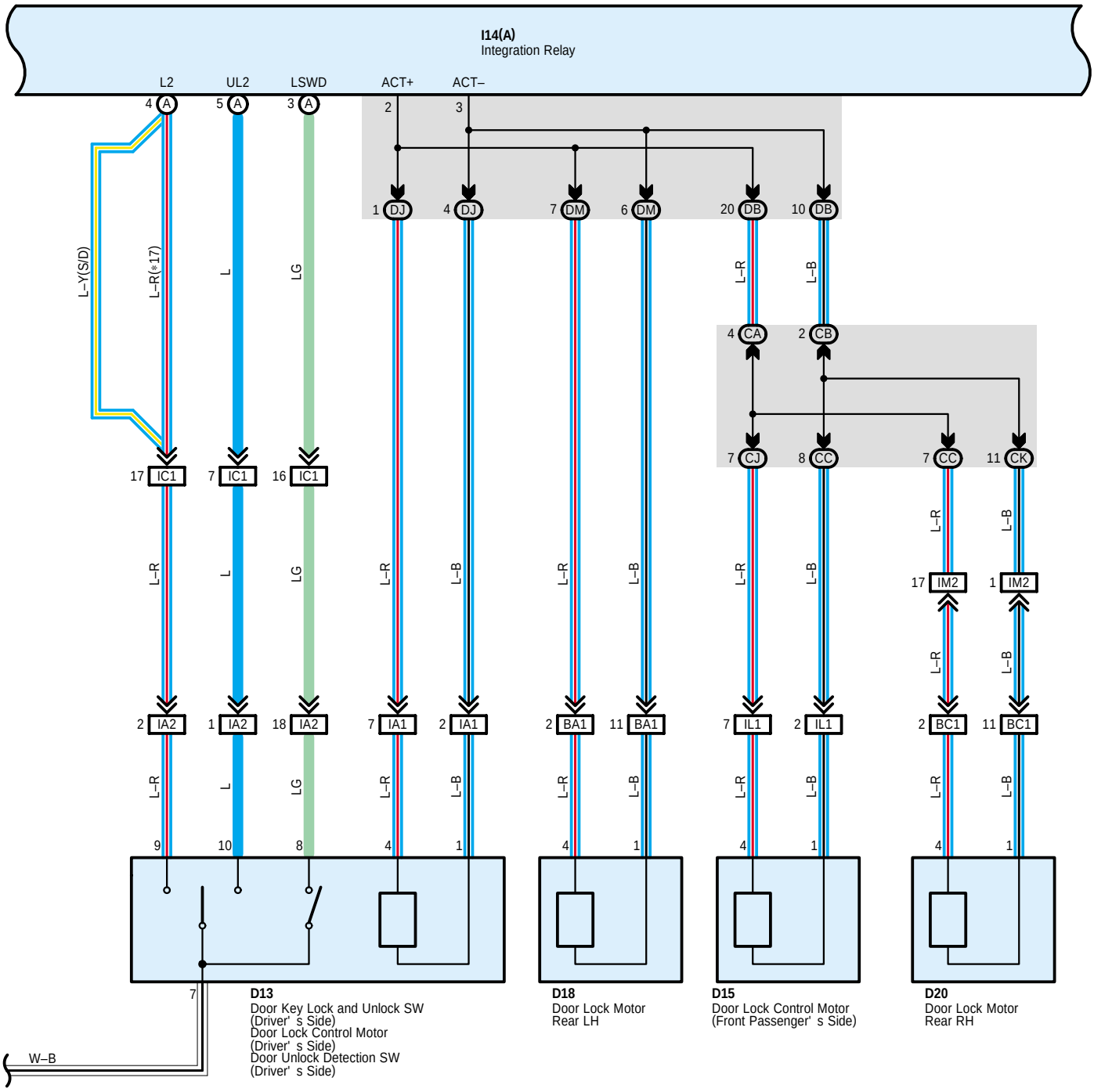
Multiplex Communication System (LHD)



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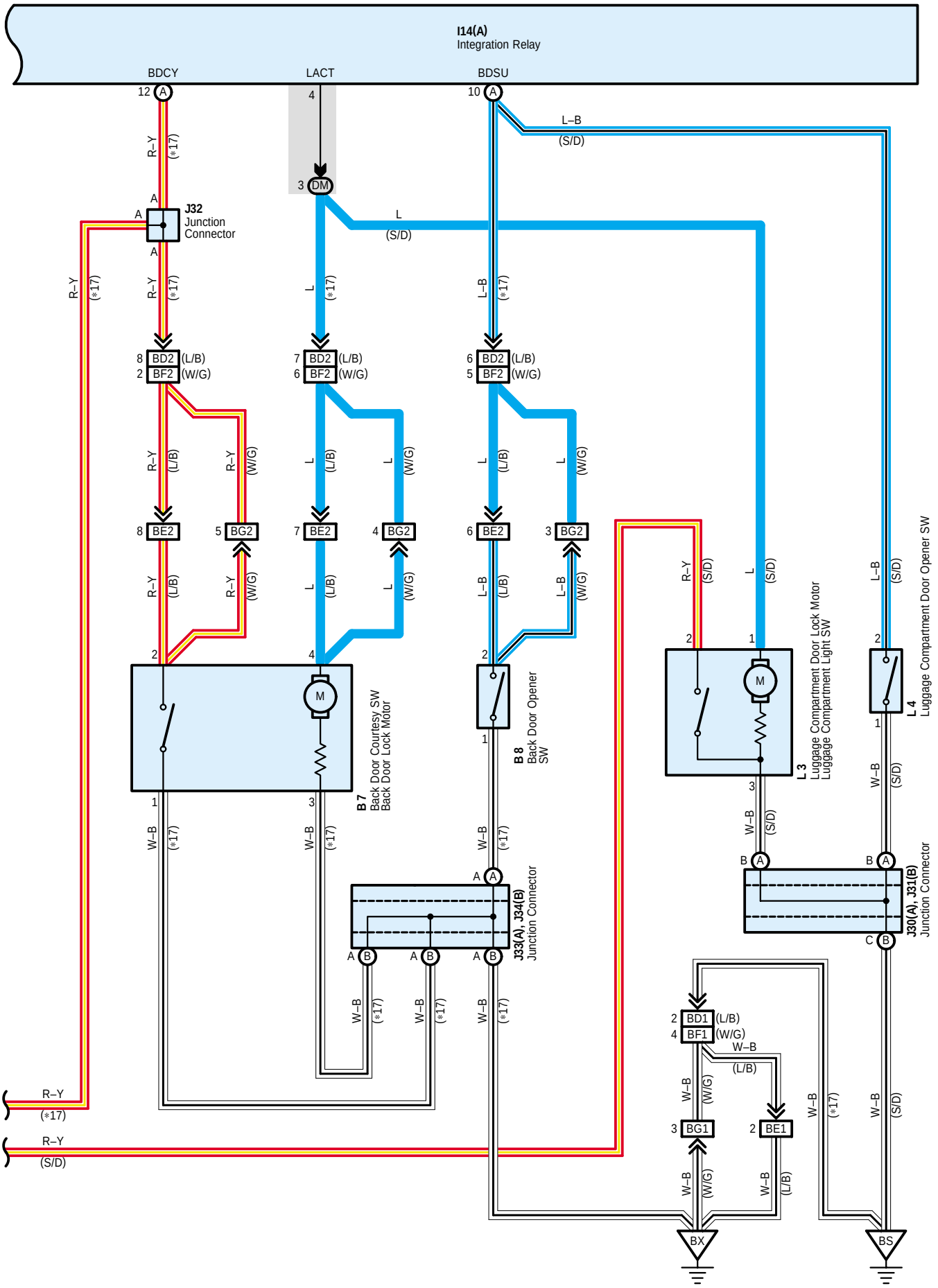
I14(A)
Integration Relay
BDCY
LACT
BDSU
J32
Junction Connector
B 7
Back Door Courtesy SW
Back Door Lock Motor
B 8
Back Door Opener SW
L 3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4
Luggage Compartment Door Opener SW
J33(A), J34(B)
Junction Connector
J30(A), J31(B)
Junction Connector
BX
BS

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Service Hints

Integration Relay

22–Ground : Approx. 12 volts with ignition SW at ON position
25–Ground : Always continuity
1, 23–Ground : Always approx. 12 volts

○ : **Parts Location**

Code	See Page	Code	See Page	Code	See Page
A13 A	46 (LHD)	D17	54 (LHD W/G)	J2	43 (*5)
A15 B	46 (LHD)	D18	50 (LHD S/D)		45 (*6)
A16 C	46 (LHD)		52 (LHD L/B)	J3 A	48 (LHD)
A27	46 (LHD)		54 (LHD W/G)	J4 B	48 (LHD)
B7	52 (LHD L/B)	D20	50 (LHD S/D)	J6 A	48 (LHD)
	54 (LHD W/G)		52 (LHD L/B)	J7 B	48 (LHD)
B8	52 (LHD L/B)		54 (LHD W/G)	J8 A	48 (LHD)
	54 (LHD W/G)	E8	47 (LHD)	J9 B	48 (LHD)
B10	56 (LHD)	E9 A	47 (LHD)	J10 A	48 (LHD)
C10 A	46 (LHD)	E10 B	47 (LHD)	J11 B	48 (LHD)
C11 B	46 (LHD)	F7	38 (*3)	J16	48 (LHD)
C12	46 (LHD)		42 (*5)	J30 A	51 (LHD S/D)
D3	47 (LHD)		44 (*6)	J31 B	51 (LHD S/D)
D5	47 (LHD)	F8	38 (*3)	J32	51 (LHD S/D)
D6	47 (LHD)		42 (*5)		53 (LHD L/B)
D7	50 (LHD S/D)		44 (*6)		55 (LHD W/G)
	52 (LHD L/B)	F9	38 (*3)	J33 A	53 (LHD L/B)
	54 (LHD W/G)		42 (*5)		55 (LHD W/G)
D8	50 (LHD S/D)		44 (*6)	J34 B	53 (LHD L/B)
	52 (LHD L/B)	F10	38 (*3)		55 (LHD W/G)
	54 (LHD W/G)		42 (*5)	L3	51 (LHD S/D)
D9	50 (LHD S/D)		44 (*6)	L4	51 (LHD S/D)
	52 (LHD L/B)	F19	47 (LHD)	L5	51 (LHD S/D)
	54 (LHD W/G)	H3	38 (*3)	M6	51 (LHD S/D)
D10	50 (LHD S/D)		42 (*5)		53 (LHD L/B)
	52 (LHD L/B)		44 (*6)		55 (LHD W/G)
	54 (LHD W/G)	H5	38 (*3)	P8	51 (LHD S/D)
D11	50 (LHD S/D)		42 (*5)		53 (LHD L/B)
	52 (LHD L/B)		44 (*6)		55 (LHD W/G)
	54 (LHD W/G)	H6	38 (*3)	R17	53 (LHD L/B)
D12	50 (LHD S/D)		42 (*5)		55 (LHD W/G)
	52 (LHD L/B)		44 (*6)	T10	49 (LHD)
	54 (LHD W/G)	H14	47 (LHD)	U1	49 (LHD)
D13	50 (LHD S/D)	H16	47 (LHD)	V8	51 (LHD S/D)
	52 (LHD L/B)	I11 A	47 (LHD)		53 (LHD L/B)
	54 (LHD W/G)	I12 B	47 (LHD)		55 (LHD W/G)
D15	50 (LHD S/D)	I14 A	47 (LHD)	V9	51 (LHD S/D)
	52 (LHD L/B)	I16	50 (LHD S/D)		53 (LHD L/B)
	54 (LHD W/G)		52 (LHD L/B)		55 (LHD W/G)
D17	50 (LHD S/D)		54 (LHD W/G)		
	52 (LHD L/B)	J2	39 (*3)		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CF		
CH	35	
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DD		
DJ		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	90 (LHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BB1	90 (LHD S/D)	Roof Wire and Roof No.2 Wire (Near the Personal Light)
	92 (LHD L/B)	
	94 (LHD W/G)	
BC1	90 (LHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BD1	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BD2		
BE1	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BE2		
BF1	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BF2		
BG1	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BG2		

: Ground Points

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	82 (*5)	
	84 (*6)	
EC	78 (*3)	Engine Compartment Left
	82 (*5)	
	84 (*6)	
IJ	86 (LHD)	Left Kick Panel
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
BV	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	B1	94 (LHD W/G)	Front Door LH Wire
	82 (*5)		B5	90 (LHD S/D)	Roof Wire
	84 (*6)			92 (LHD L/B)	
B1	90 (LHD S/D)	Front Door LH Wire		94 (LHD W/G)	
	92 (LHD L/B)				

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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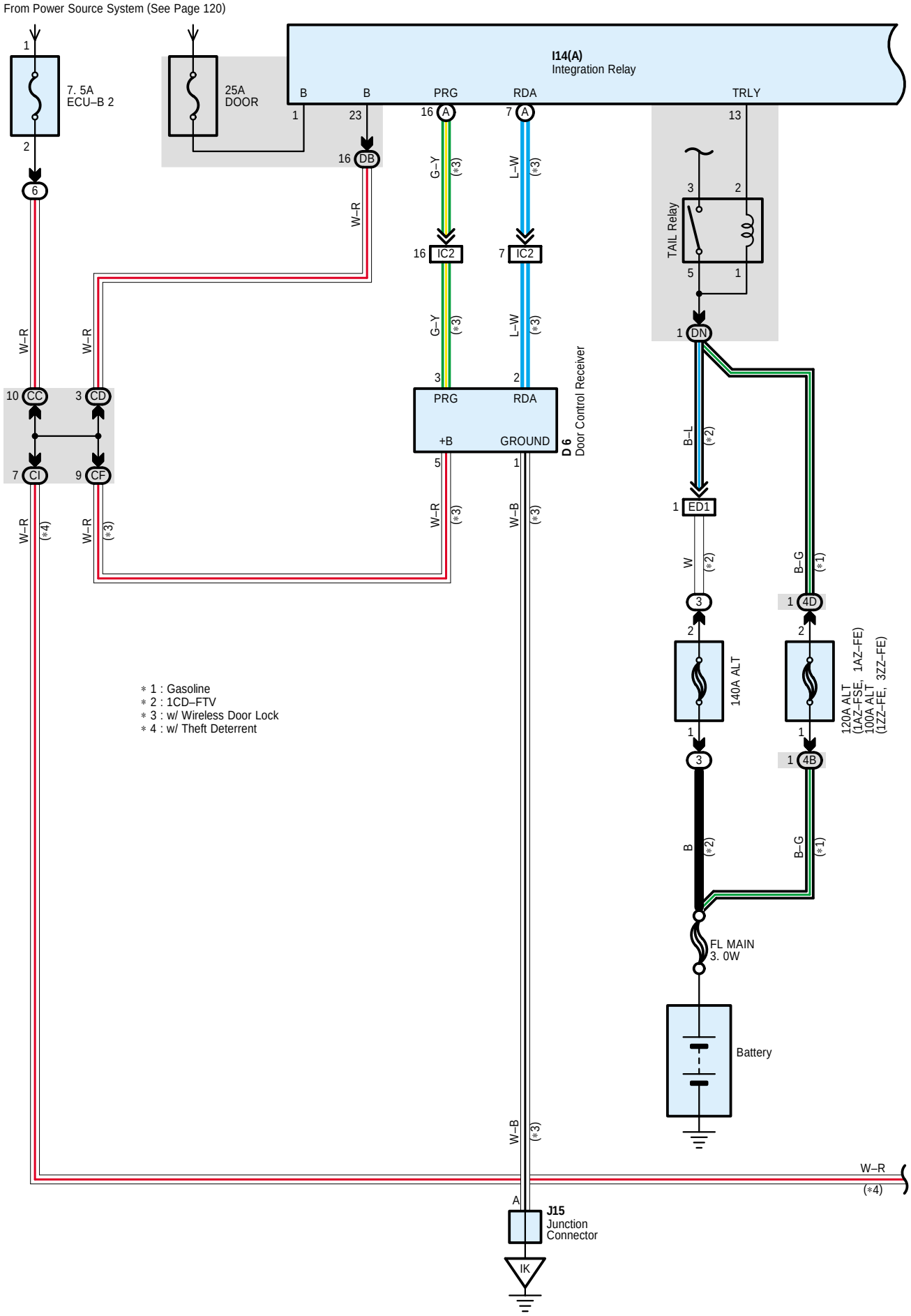
Multiplex Communication System (RHD)



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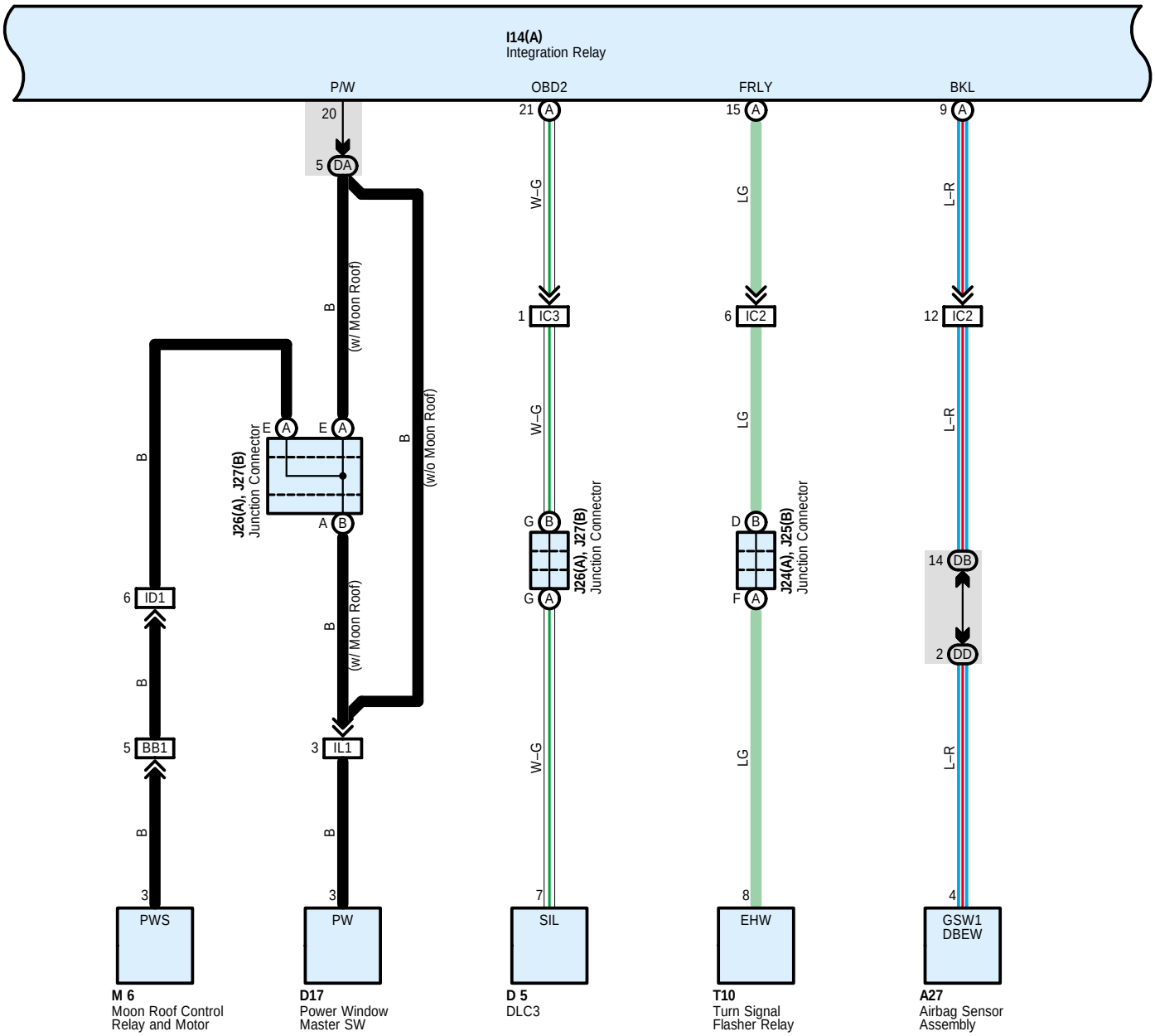

W–R (*4)

W–R (*4)

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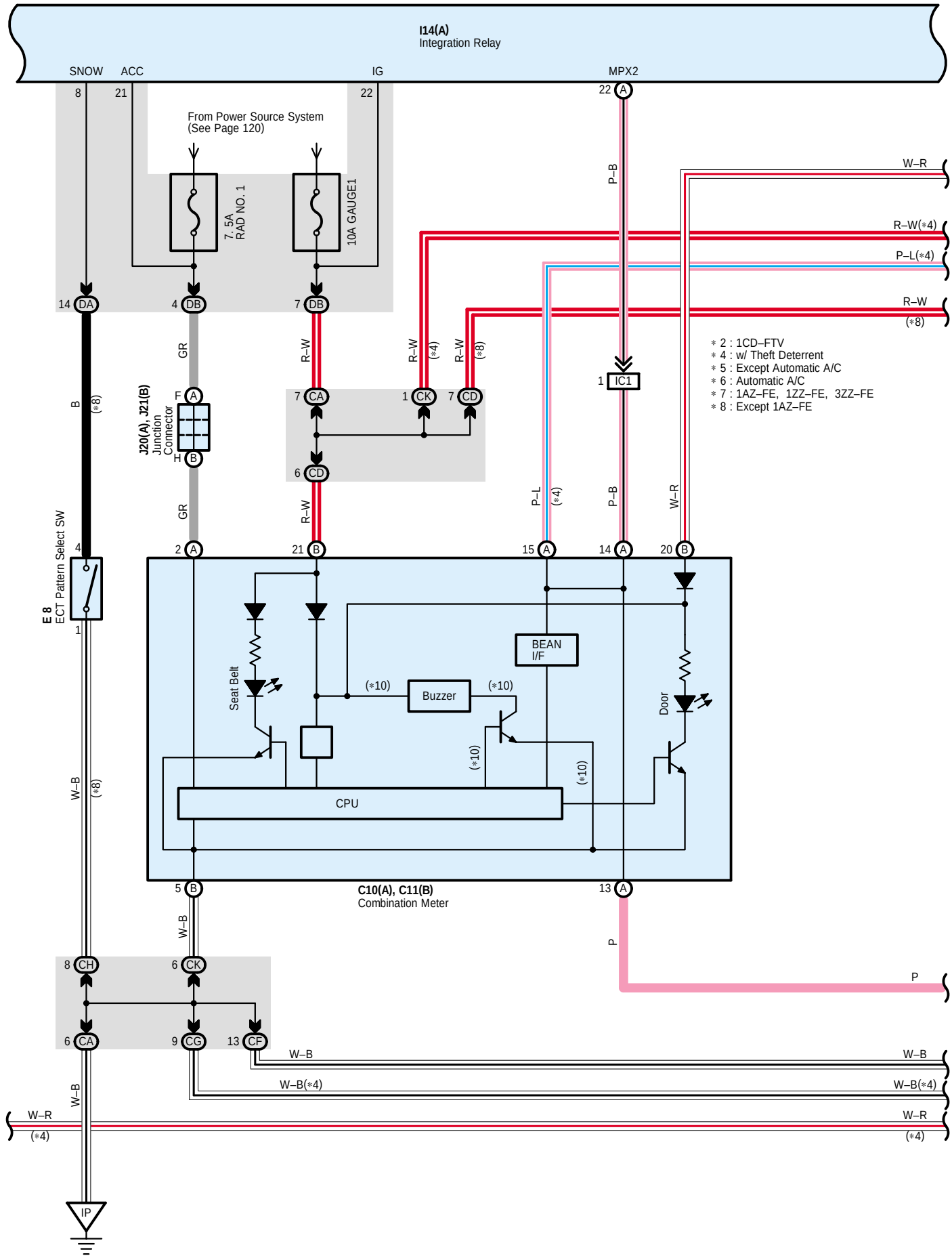
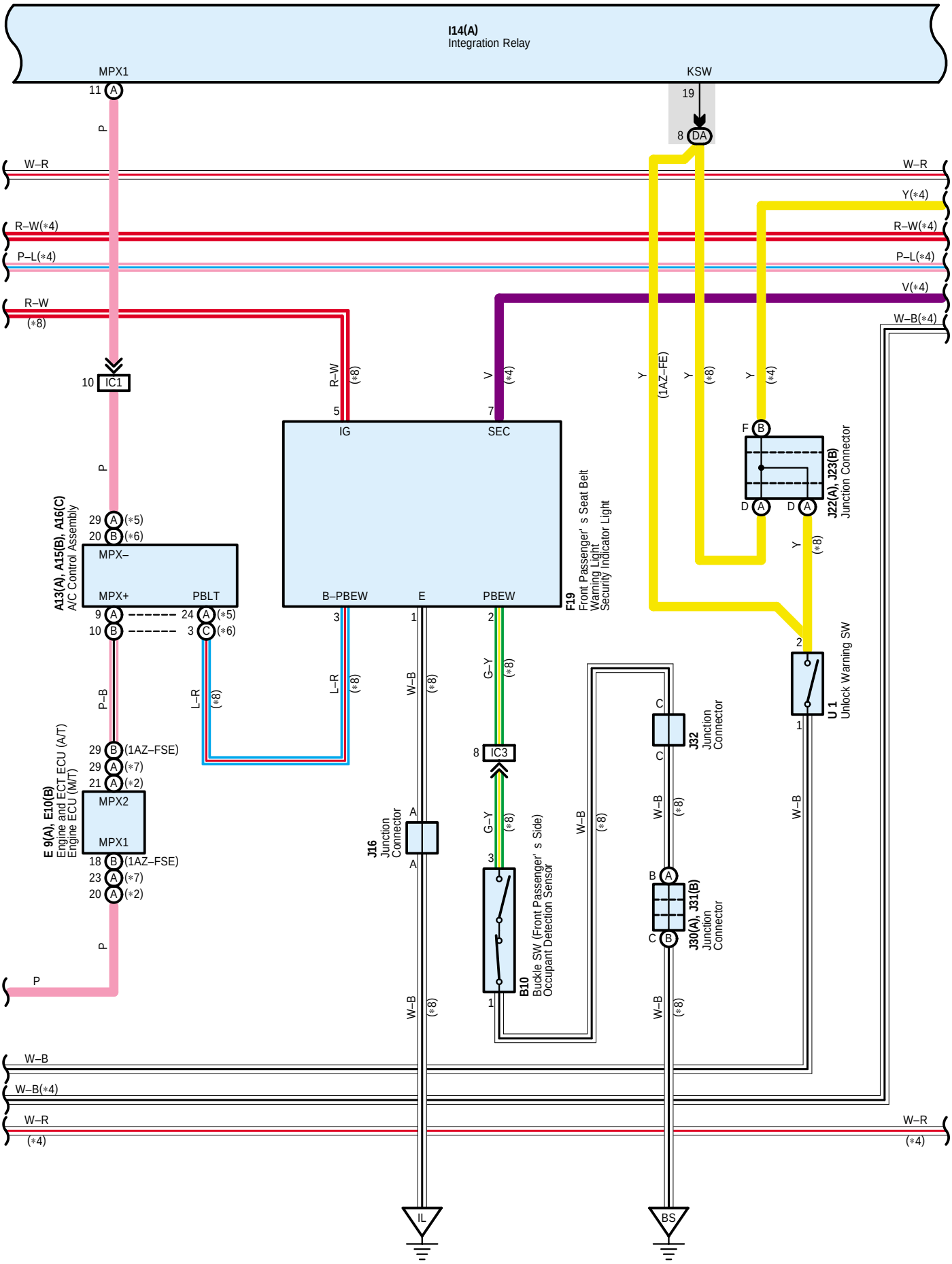
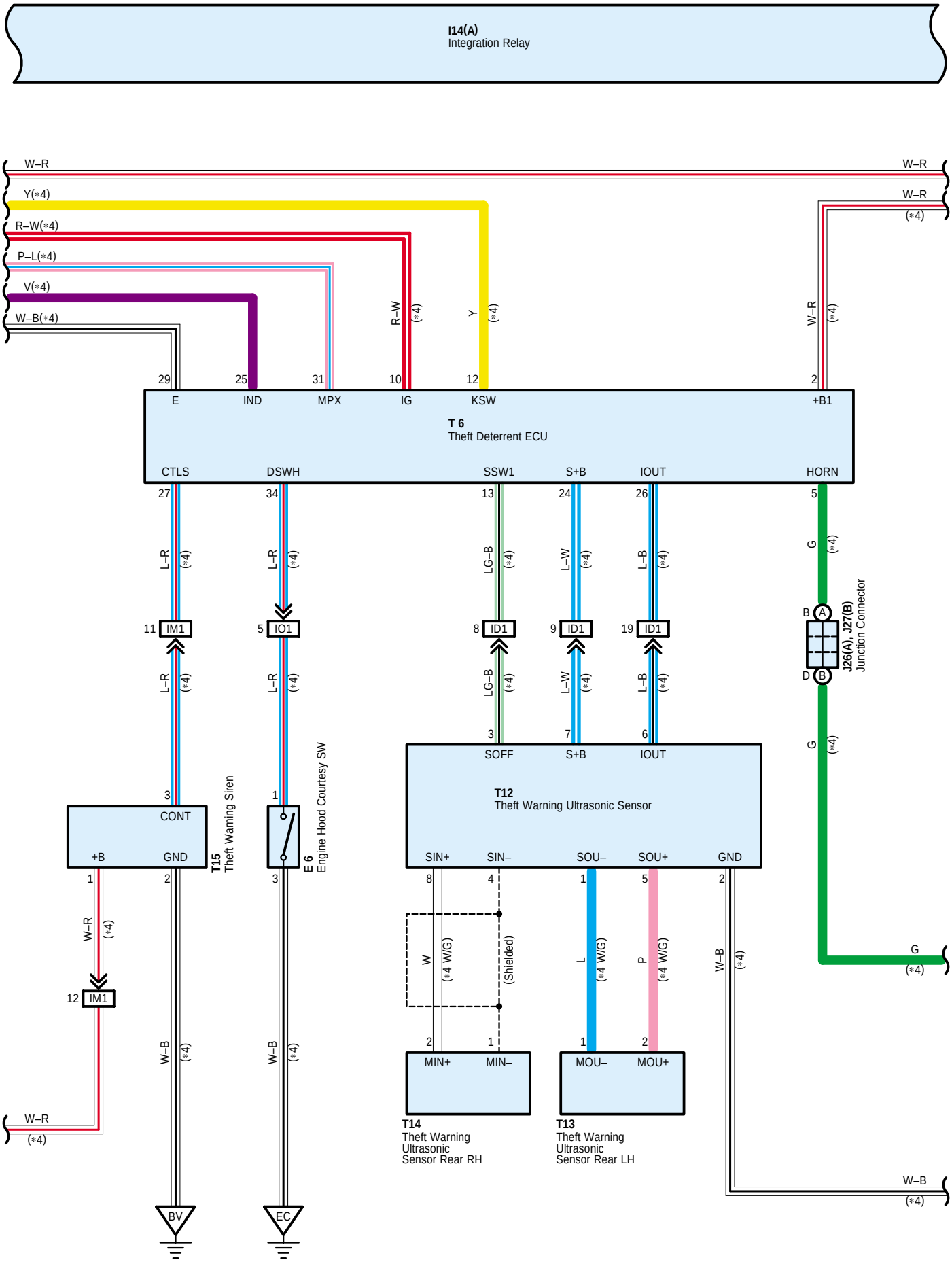
Multiplex Communication System (RHD)



http://vnx.su


I14(A)
Integration Relay
MPX1
11 A
P
KSW
19
8 DA
W–R
W–R
Y(*4)
R–W(*4)
R–W(*4)
P–L(*4)
P–L(*4)
V(*4)
R–W
(*8)
W–B(*4)
10 IC1
R–W
(*8)
5
IG
V
(*4)
7
SEC
Y
(1AZ–FE)
Y
(*8)
Y
(*4)
F B
D A
D A
J22(A), J23(B)
Junction Connector
A13(A), A15(B), A16(C)
A/C Control Assembly
29 A (*5)
20 B (*6)
MPX–
MPX+
PBLT
9 A
10 B
24 A (*5)
3 C (*6)
B–PBEW
E
PBEW
F19
Front Passenger' s Seat Belt
Warning Light
Security Indicator Light
Y
(*8)
2
U 1
Unlock Warning SW
1
3
1
2
P–B
L–R
(*8)
L–R
(*8)
W–B
(*8)
G–Y
(*8)
C
J32
Junction
Connector
C
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
29 B (1AZ–FSE)
29 A (*7)
21 A (*2)
MPX2
MPX1
18 B (1AZ–FSE)
23 A (*7)
20 A (*2)
8 IC3
J16
Junction
Connector
A
A
G–Y
(*8)
W–B
(*8)
W–B
(*8)
W–B
(*8)
3
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
B A
C B
J30(A), J31(B)
Junction
Connector
P
P
1
W–B
W–B(*4)
W–R
(*4)
W–R
(*4)
IL
BS

http://vnx.su


I14(A)
Integration Relay
W–R
Y(∗4)
R–W(∗4)
P–L(∗4)
V(∗4)
W–B(∗4)
R–W (∗4)
Y (∗4)
W–R (∗4)
W–R
W–R (∗4)
29 E
25 IND
31 MPX
10 IG
12 KSW
2 +B1
T 6
Theft Deterrent ECU
CTLS
DSWH
SSW1
S+B
IOUT
HORN
27
34
13
24
26
5
L–R (∗4)
LG–B (∗4)
L–W (∗4)
L–B (∗4)
G (∗4)
11 IM1
5 IO1
8 ID1
9 ID1
19 ID1
B A
D B
J26(A), J27(B)
Junction Connector
3
1
3
7
6
SOFF
S+B
IOUT
T12
Theft Warning Ultrasonic Sensor
T15
Theft Warning Siren
CONT
+B
GND
E 6
Engine Hood Courtesy SW
SIN+
SIN–
SOU–
SOU+
GND
8
4
1
5
2
W (∗4 W/G) (Shielded)
L (∗4 W/G)
P (∗4 W/G)
W–B (∗4)
G (∗4)
12 IM1
W–R (∗4)
W–B (∗4)
W–B (∗4)
W–R (∗4)
BV
EC
MIN+
MIN–
MOU–
MOU+
T14
Theft Warning Ultrasonic Sensor Rear RH
T13
Theft Warning Ultrasonic Sensor Rear LH
W–B (∗4)

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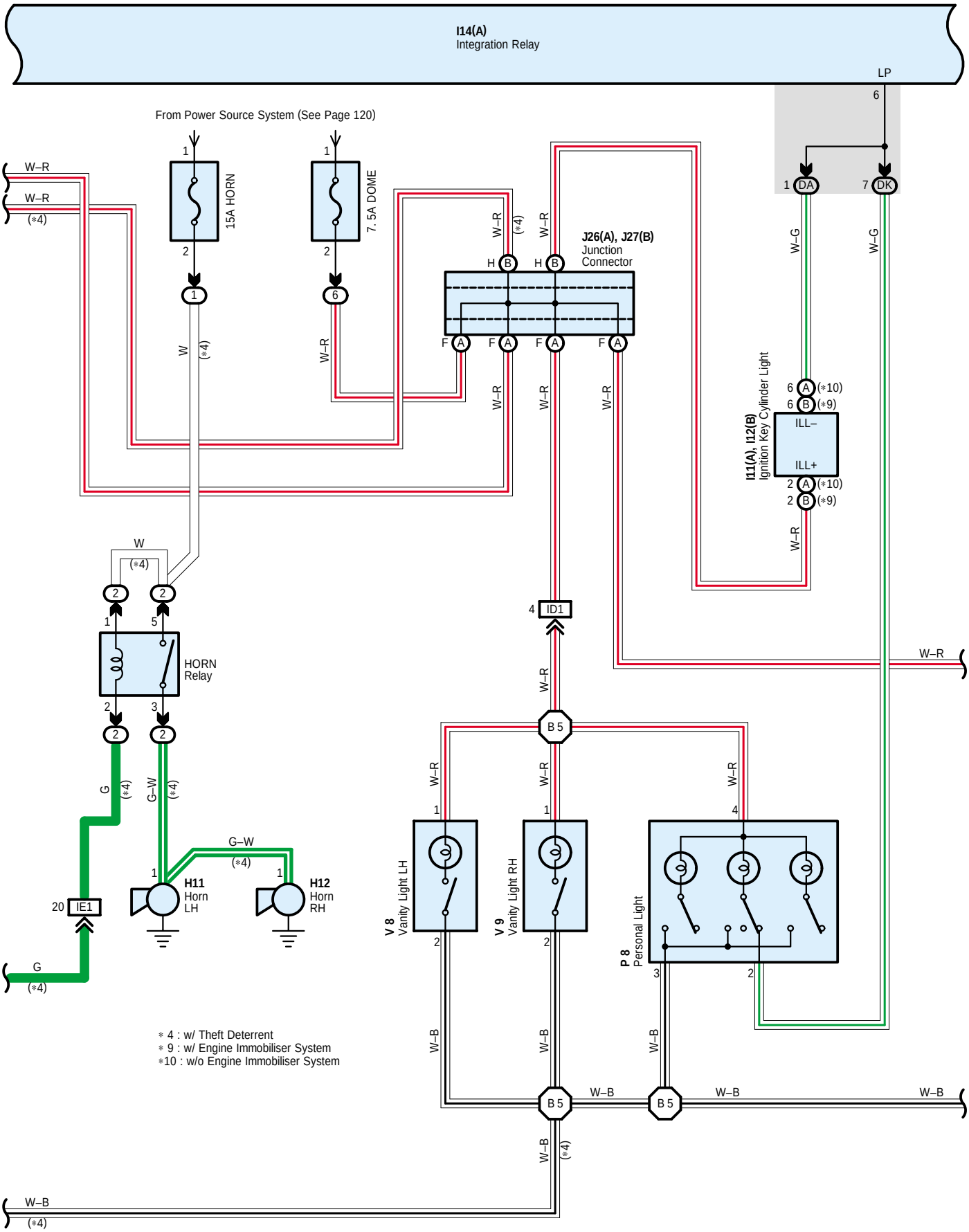
I14(A)
Integration Relay
LP
From Power Source System (See Page 120)
15A HORN
7. 5A DOME
J26(A), J27(B)
Junction
Connector
I11(A), I12(B)
Ignition Key Cylinder Light
ILL–
ILL+
HORN
Relay
H11
Horn
LH
H12
Horn
RH
V 8
Vanity Light LH
V 9
Vanity Light RH
P 8
Personal Light
IE1
ID1
B 5
W–R
W–B
W–G
G
G–W
W
(*4)
(*9)
(*10)
* 4 : w/ Theft Deterrent
* 9 : w/ Engine Immobiliser System
*10 : w/o Engine Immobiliser System

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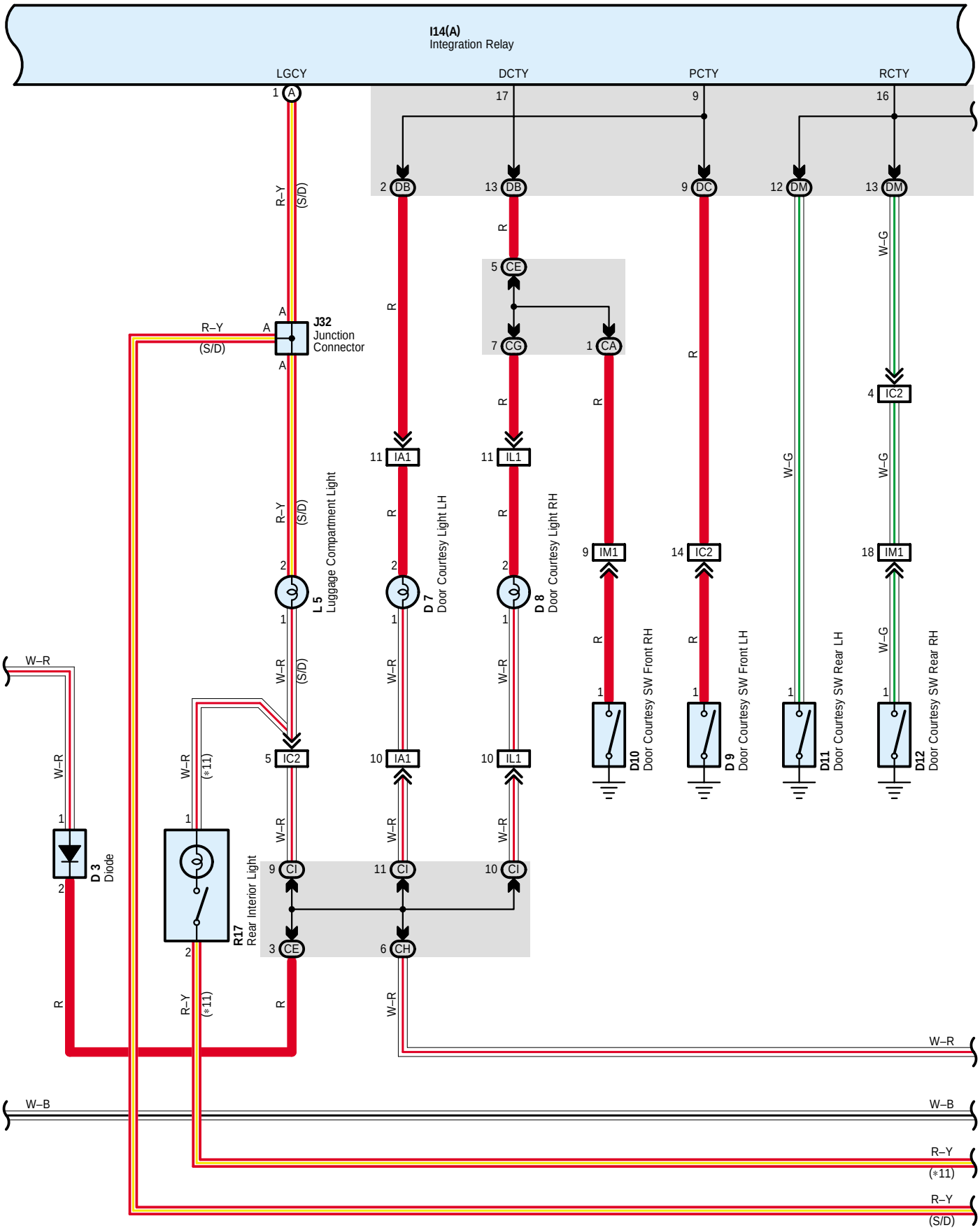
I14(A)
Integration Relay
LGCY
DCTY
PCTY
RCTY
J32
Junction Connector
L5
Luggage Compartment Light
D3
Diode
R17
Rear Interior Light
D7
Door Courtesy Light LH
D8
Door Courtesy Light RH
D10
Door Courtesy SW Front RH
D9
Door Courtesy SW Front LH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
W–R
W–B
R–Y
(S/D)
(*11)

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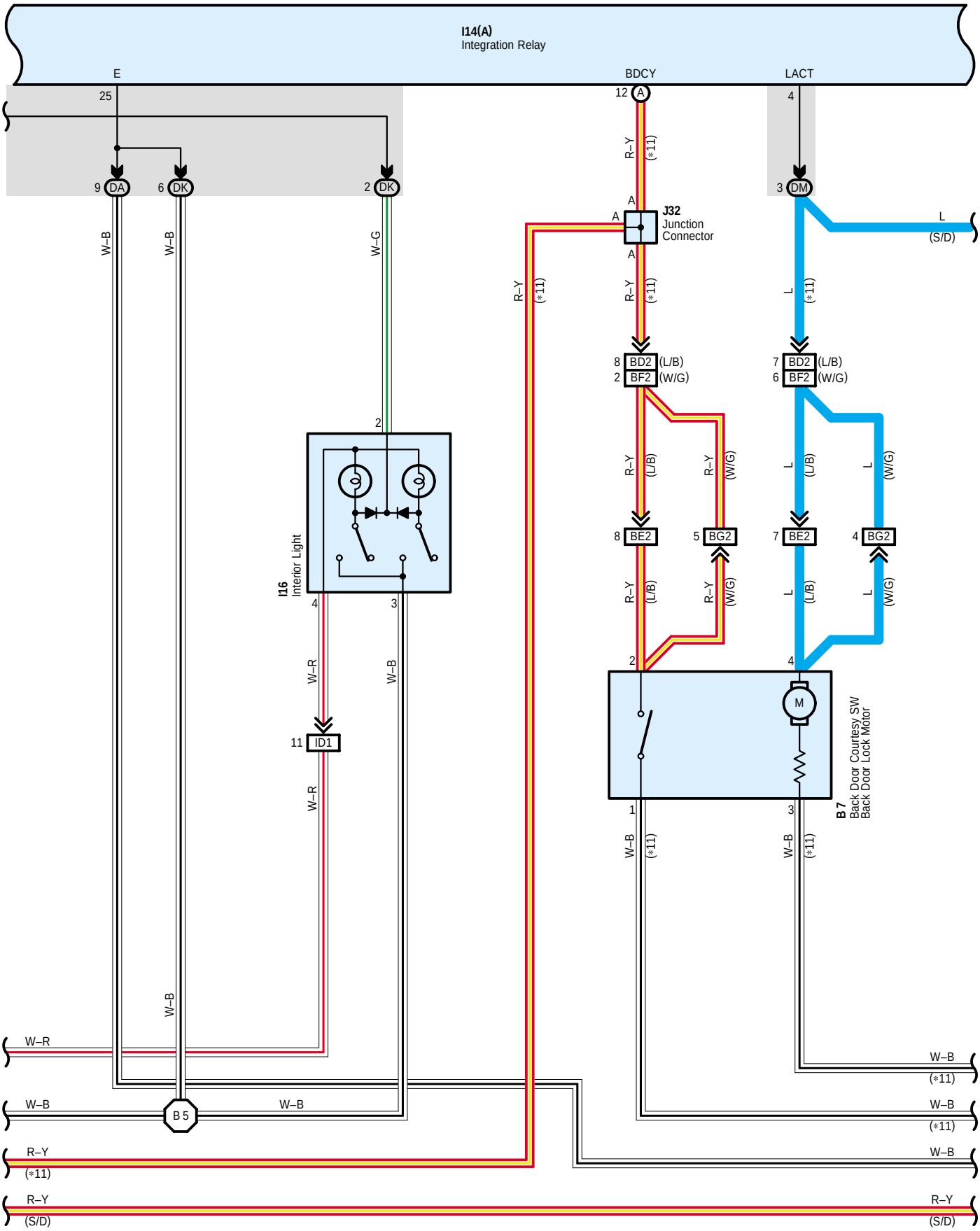

*11 : L/B, W/G

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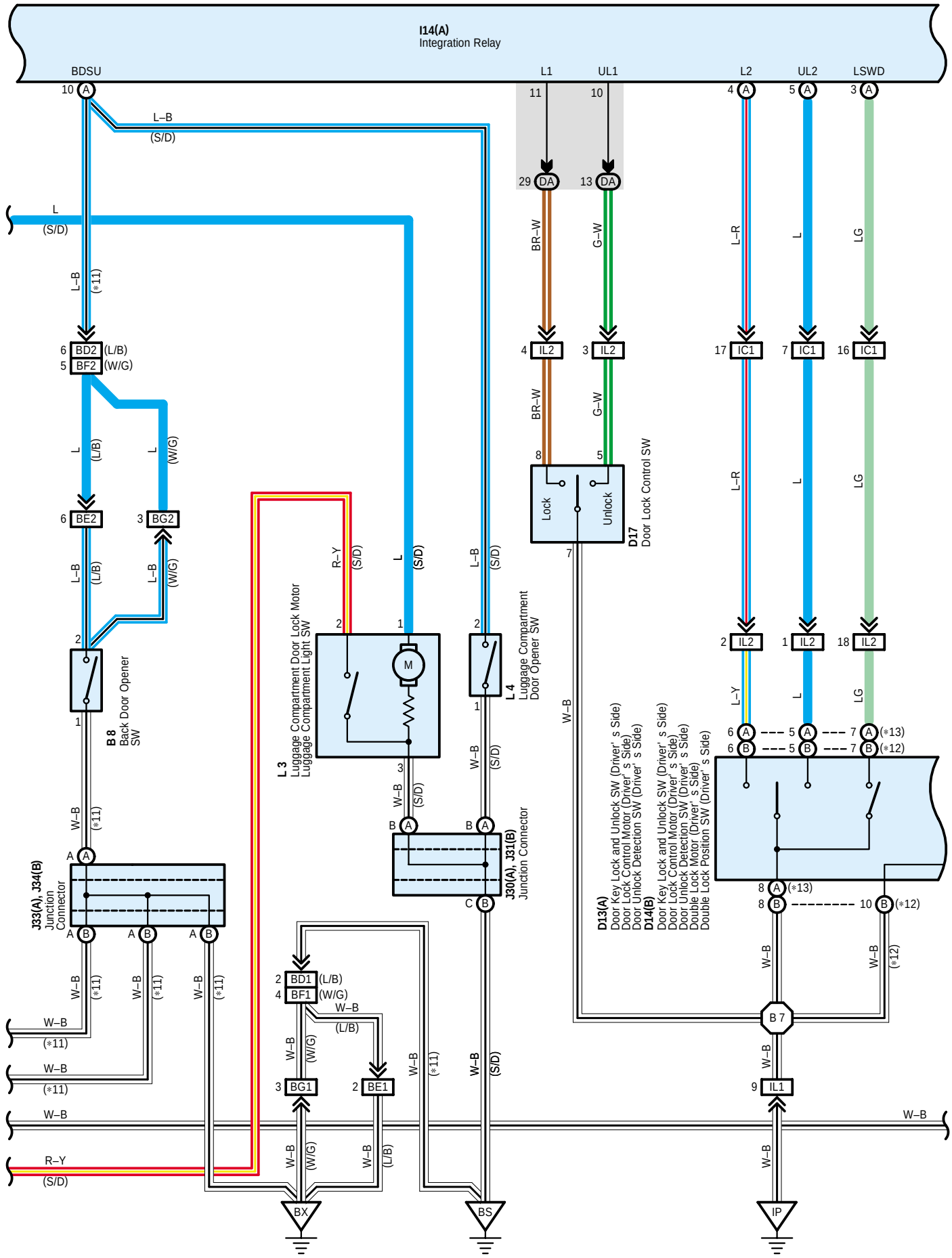
I14(A)
Integration Relay
BDSU
L1
UL1
L2
UL2
LSWD
L–B
(S/D)
L
(S/D)
BD2 (L/B)
BF2 (W/G)
BE2
BG2
B 8
Back Door Opener SW
L 3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4
Luggage Compartment Door Opener SW
D17
Door Lock Control SW
Lock
Unlock
J33(A), J34(B)
Junction Connector
J30(A), J31(B)
Junction Connector
D13(A)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D14(B)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
Double Lock Motor (Driver' s Side)
Double Lock Position SW (Driver' s Side)
BD1 (L/B)
BF1 (W/G)
BG1
BE1
IL1
IL2
IC1
B 7
BX
BS
IP
W–B
R–Y
BR–W
G–W
L–R
L–Y
LG

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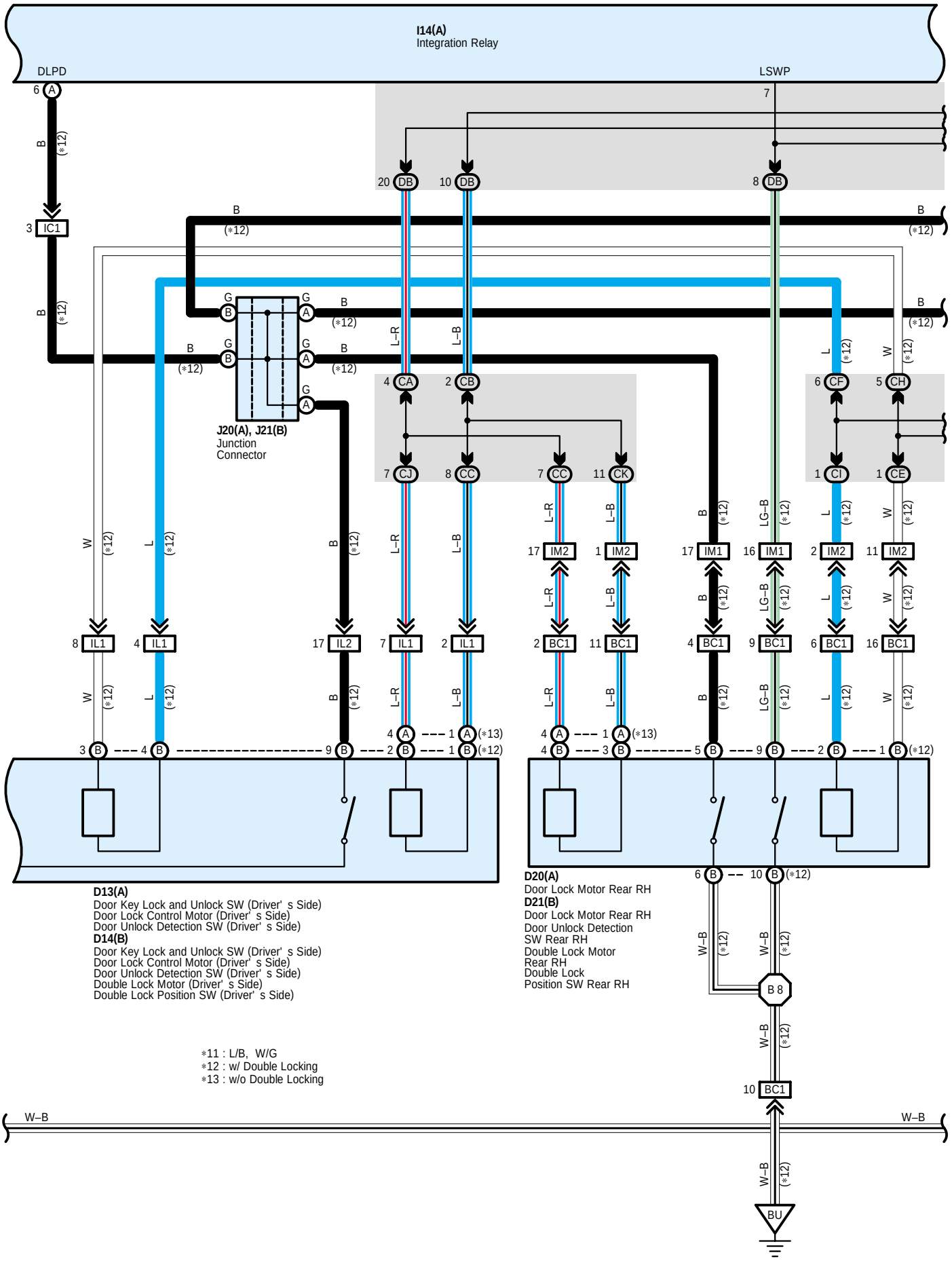
I14(A)
Integration Relay
DLPD
LSWP
IC1
DB
J20(A), J21(B)
Junction
Connector
CA
CB
CJ
CC
CK
CF
CH
CI
CE
IL1
IL2
IM1
IM2
BC1
B 8
BU
W–B
D13(A)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D14(B)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
Double Lock Motor (Driver' s Side)
Double Lock Position SW (Driver' s Side)
D20(A)
Door Lock Motor Rear RH
D21(B)
Door Lock Motor Rear RH
Door Unlock Detection
SW Rear RH
Double Lock Motor
Rear RH
Double Lock
Position SW Rear RH
∗11 : L/B, W/G
∗12 : w/ Double Locking
∗13 : w/o Double Locking

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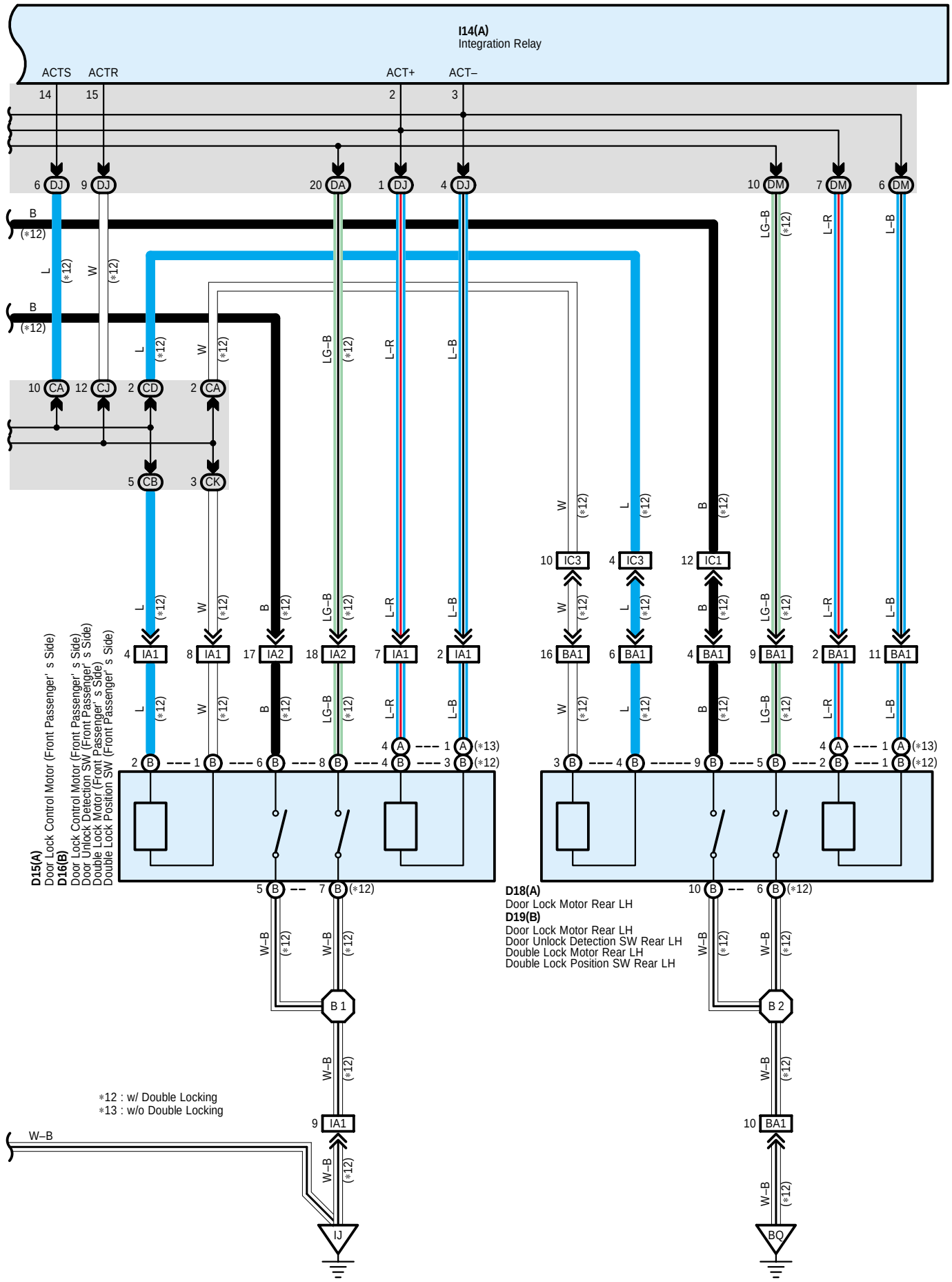
Multiplex Communication System (RHD)



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Service Hints

Integration Relay

22–Ground : Approx. 12 volts with ignition SW at ON position
25–Ground : Always continuity
1, 23–Ground : Always approx. 12 volts

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A13 A	66 (RHD)	D17	72 (RHD L/B)	J30 A	75 (RHD W/G)
A15 B	66 (RHD)		74 (RHD W/G)	J31 B	71 (RHD S/D)
A16 C	66 (RHD)	D18 A	70 (RHD S/D)		73 (RHD L/B)
A27	66 (RHD)	D19 B	70 (RHD S/D)		75 (RHD W/G)
B7	72 (RHD L/B)		72 (RHD L/B)	J32	71 (RHD S/D)
	74 (RHD W/G)		74 (RHD W/G)		73 (RHD L/B)
B8	72 (RHD L/B)	D20 A	70 (RHD S/D)		75 (RHD W/G)
	74 (RHD W/G)	D21 B	70 (RHD S/D)	J33 A	73 (RHD L/B)
B10	76 (RHD)		72 (RHD L/B)		75 (RHD W/G)
C10 A	66 (RHD)		74 (RHD W/G)	J34 B	73 (RHD L/B)
C11 B	66 (RHD)	E6	58 (*7)		75 (RHD W/G)
D3	67 (RHD)		62 (*9)	L3	71 (RHD S/D)
D5	67 (RHD)		64 (*10)	L4	71 (RHD S/D)
D6	67 (RHD)	E8	67 (RHD)	L5	71 (RHD S/D)
D7	70 (RHD S/D)	E9 A	67 (RHD)	M6	71 (RHD S/D)
	72 (RHD L/B)	E10 B	67 (RHD)		73 (RHD L/B)
	74 (RHD W/G)	F19	67 (RHD)		75 (RHD W/G)
D8	70 (RHD S/D)	H11	58 (*7)	P8	71 (RHD S/D)
	72 (RHD L/B)		62 (*9)		73 (RHD L/B)
	74 (RHD W/G)		64 (*10)		75 (RHD W/G)
D9	70 (RHD S/D)	H12	58 (*7)	R17	73 (RHD L/B)
	72 (RHD L/B)		62 (*9)		75 (RHD W/G)
	74 (RHD W/G)		64 (*10)	T6	69 (RHD)
D10	70 (RHD S/D)	I11 A	67 (RHD)	T10	69 (RHD)
	72 (RHD L/B)	I12 B	67 (RHD)	T12	71 (RHD S/D)
	74 (RHD W/G)	I14 A	67 (RHD)		73 (RHD L/B)
D11	70 (RHD S/D)	I16	70 (RHD S/D)		75 (RHD W/G)
	72 (RHD L/B)		72 (RHD L/B)	T13	75 (RHD W/G)
	74 (RHD W/G)		74 (RHD W/G)	T14	75 (RHD W/G)
D12	70 (RHD S/D)	J15	68 (RHD)	T15	71 (RHD S/D)
	72 (RHD L/B)	J16	68 (RHD)		73 (RHD L/B)
	74 (RHD W/G)	J20 A	68 (RHD)		75 (RHD W/G)
D13 A	70 (RHD S/D)	J21 B	68 (RHD)	U1	69 (RHD)
D14 B	70 (RHD S/D)	J22 A	68 (RHD)	V8	71 (RHD S/D)
	72 (RHD L/B)	J23 B	68 (RHD)		73 (RHD L/B)
	74 (RHD W/G)	J24 A	68 (RHD)		75 (RHD W/G)
D15 A	70 (RHD S/D)	J25 B	68 (RHD)	V9	71 (RHD S/D)
D16 B	70 (RHD S/D)	J26 A	68 (RHD)		73 (RHD L/B)
	72 (RHD L/B)	J27 B	68 (RHD)		75 (RHD W/G)
	74 (RHD W/G)	J30 A	71 (RHD S/D)		
D17	70 (RHD S/D)		73 (RHD L/B)		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
CG	35	
CH		
CI		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DD		
DJ		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	104 (*10)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
IA1	106 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
ID1	106 (RHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2		
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
BA1	110 (RHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BB1	110 (RHD S/D)	Roof Wire and Roof No.2 Wire (Near the Personal Light)
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	110 (RHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BD1	112 (RHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BD2		
BE1	112 (RHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BE2		
BF1	114 (RHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BF2		
BG1	114 (RHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BG2		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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▽ : **Ground Points**

Code	See Page	Ground Points Location
EC	98 (*7)	Engine Compartment Left
	102 (*9)	
	104 (*10)	
IJ	106 (RHD)	Left Kick Panel
IK	106 (RHD)	Behind the Combination Meter
IL		
IP	106 (RHD)	Right Kick Panel
BQ	110 (RHD S/D)	Under the Left Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BS	110 (RHD S/D)	Lower Back Panel Left
	112 (RHD L/B)	
	114 (RHD W/G)	
BU	110 (RHD S/D)	Under the Right Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BV	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BX	112 (RHD L/B)	Right Side of the Back Door
	114 (RHD W/G)	

○ : **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	110 (RHD S/D)	Front Door LH Wire	B5	114 (RHD W/G)	Roof Wire
	112 (RHD L/B)		B7	110 (RHD S/D)	Front Door RH Wire
	114 (RHD W/G)			112 (RHD L/B)	
B2	110 (RHD S/D)	Rear Door No.2 Wire		114 (RHD W/G)	
	112 (RHD L/B)		B8	110 (RHD S/D)	Rear Door No.1 Wire
	114 (RHD W/G)			112 (RHD L/B)	
B5	110 (RHD S/D)	Roof Wire		114 (RHD W/G)	
	112 (RHD L/B)				

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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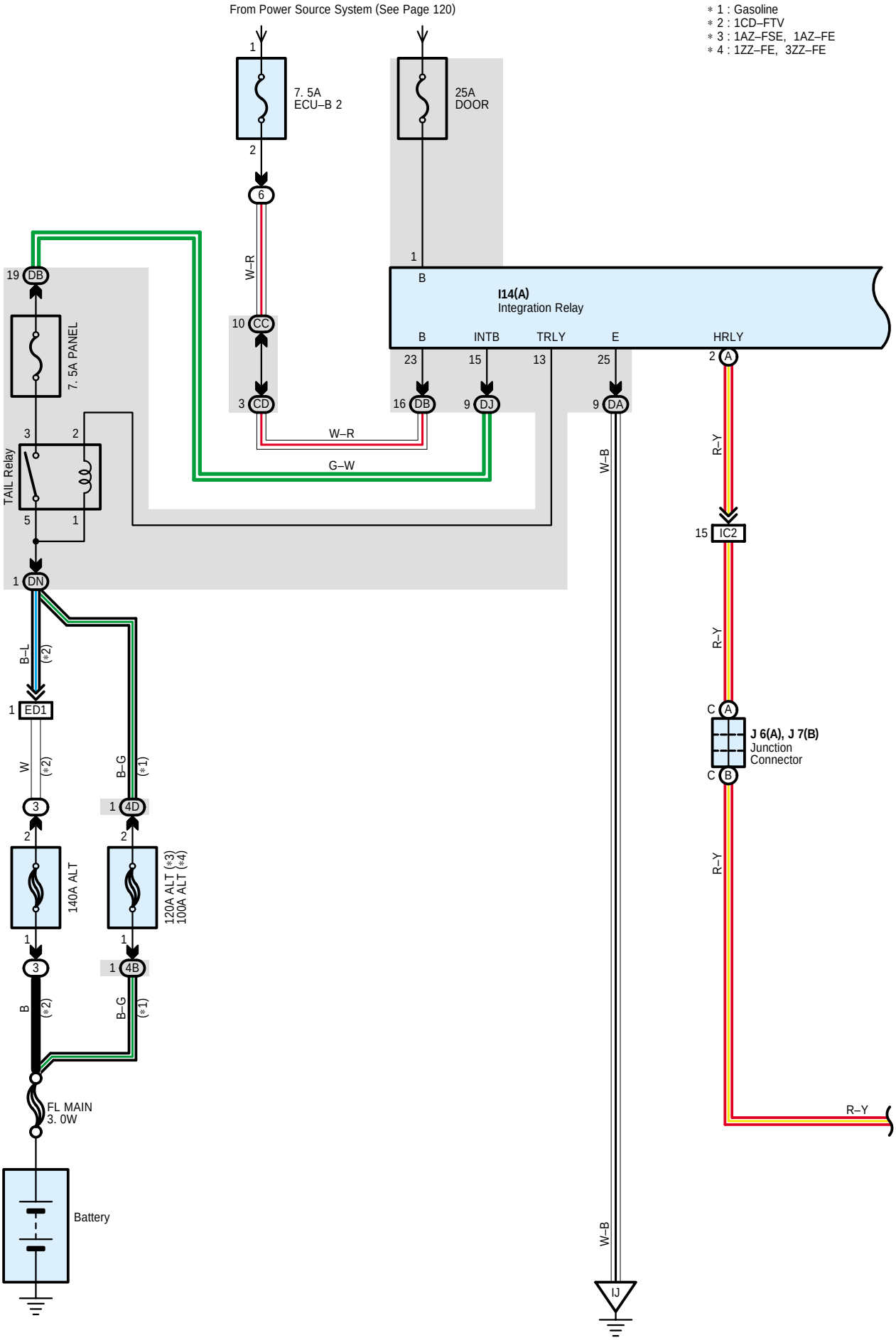
Headlight (w/ Daytime Running Light)



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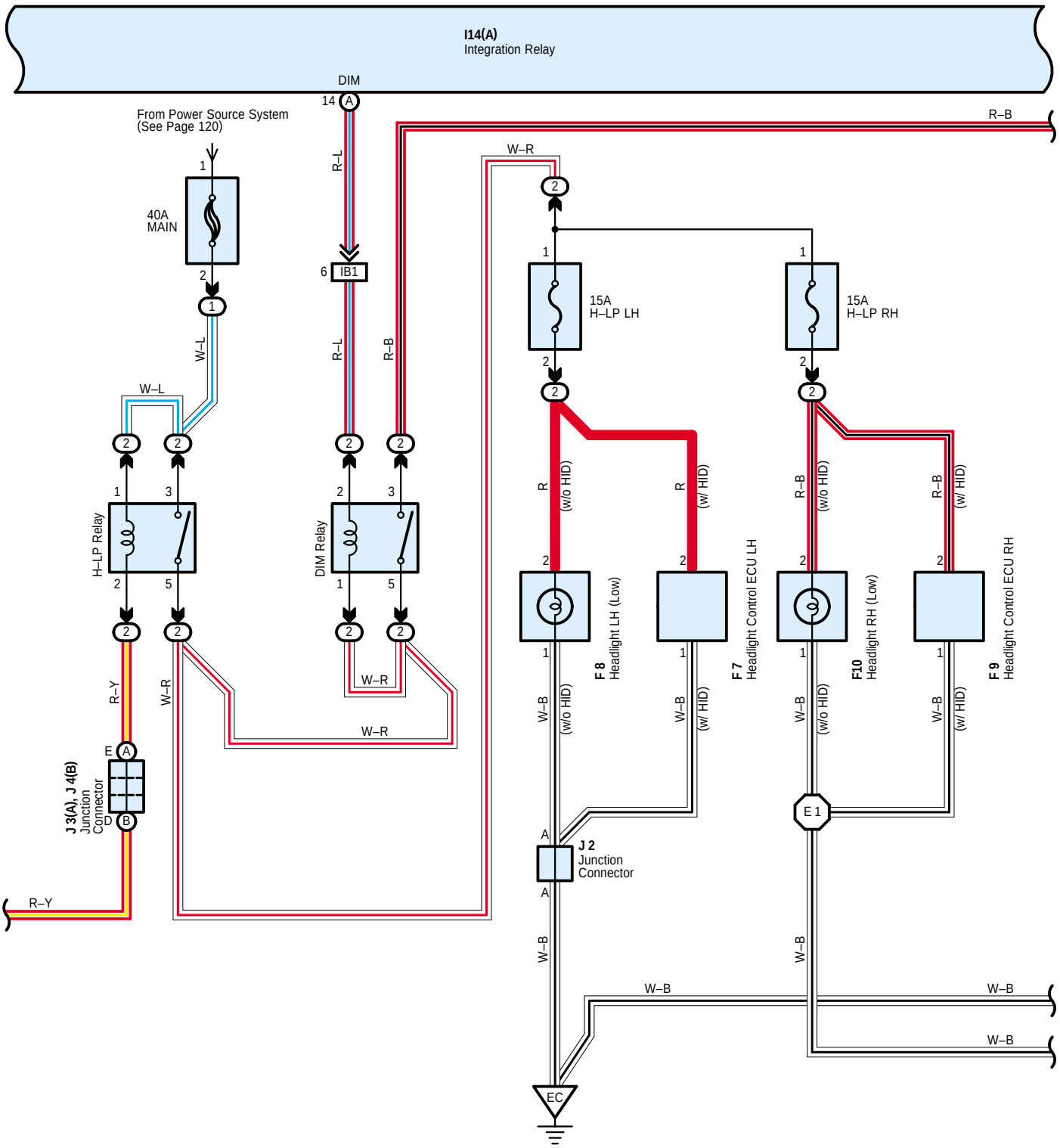
I14(A)
Integration Relay
DIM
14 A
From Power Source System
(See Page 120)
R–B
W–R
40A
MAIN
1
2
6 IB1
R–L
W–L
R–B
15A
H–LP LH
15A
H–LP RH
H–LP Relay
DIM Relay
R
(w/o HID)
R
(w/ HID)
R–B
(w/o HID)
R–B
(w/ HID)
F 8
Headlight LH (Low)
F 7
Headlight Control ECU LH
F10
Headlight RH (Low)
F 9
Headlight Control ECU RH
W–B
(w/o HID)
W–B
(w/ HID)
R–Y
W–R
E A
D B
J 3(A), J 4(B)
Junction
Connector
J 2
Junction
Connector
E 1
EC
W–B

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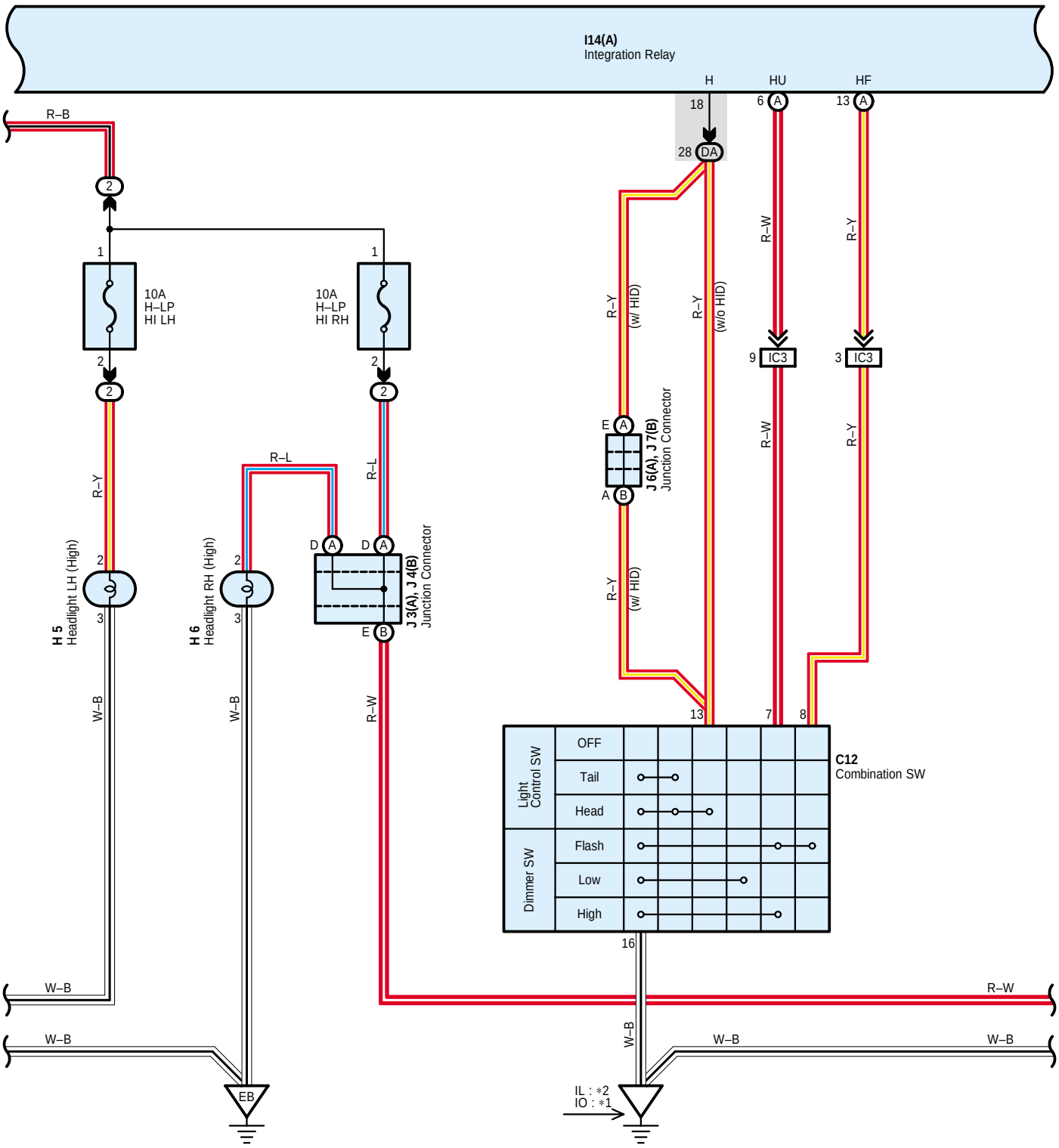
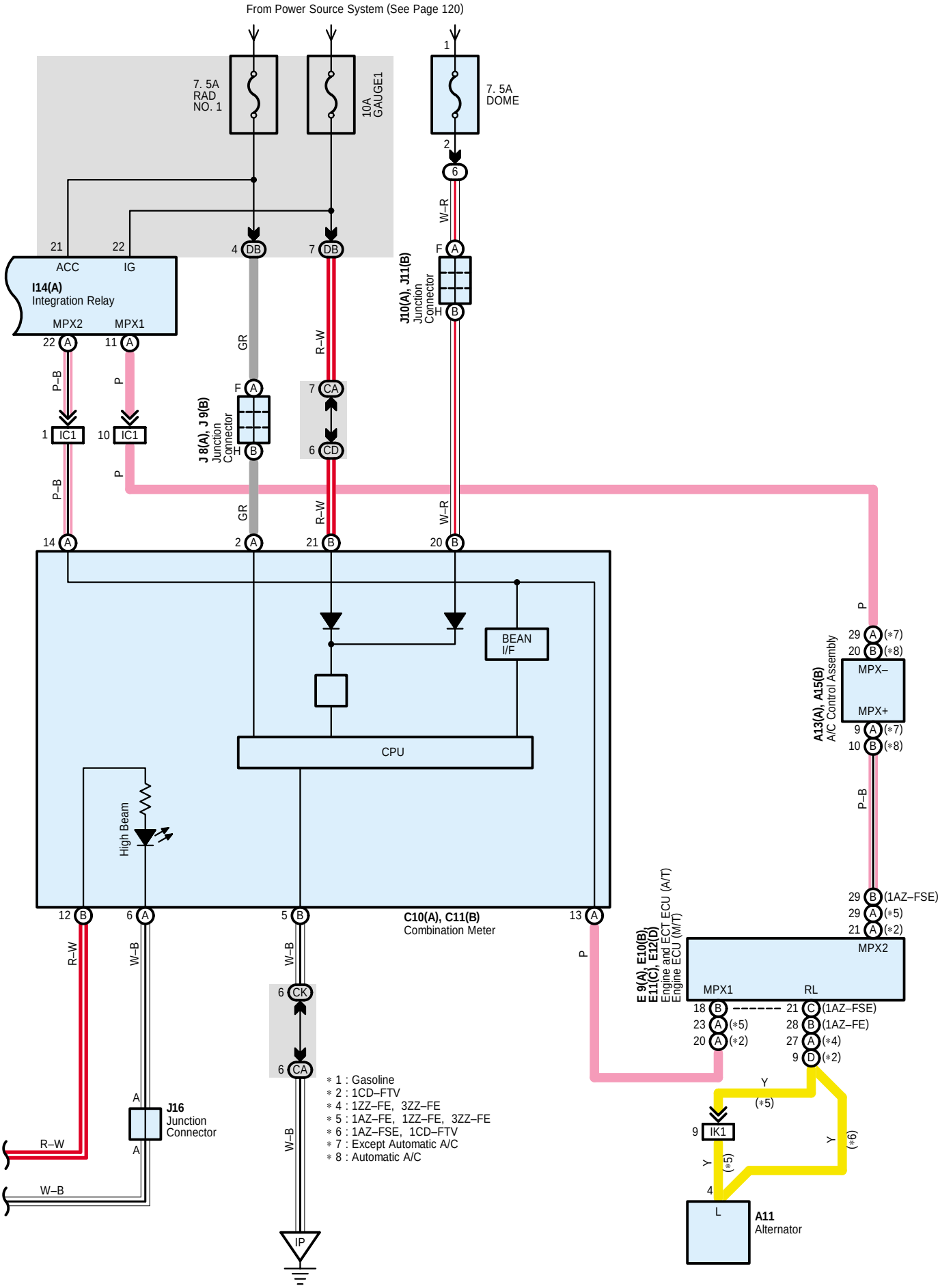
Headlight (w/ Daytime Running Light)



http://vnx.su


From Power Source System (See Page 120)
7. 5A
RAD
NO. 1
10A
GAUGE1
7. 5A
DOME
I14(A)
Integration Relay
ACC
IG
MPX2
MPX1
J10(A), J11(B)
Junction
Connector
J 8(A), J 9(B)
Junction
Connector
IC1
BEAN
I/F
CPU
High Beam
C10(A), C11(B)
Combination Meter
A13(A), A15(B)
A/C Control Assembly
MPX–
MPX+
E 9(A), E10(B),
E11(C), E12(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
MPX1
MPX2
RL
IK1
J16
Junction
Connector
A11
Alternator
IP
R–W
W–B
GR
P–B
P
W–R
Y
(*5)
(*6)
(1AZ–FSE)
(1AZ–FE)
(*2)
(*4)
(*5)
(*7)
(*8)
* 1 : Gasoline
* 2 : 1CD–FTV
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 6 : 1AZ–FSE, 1CD–FTV
* 7 : Except Automatic A/C
* 8 : Automatic A/C

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Headlight (w/ Daytime Running Light)

System Outline

When the ignition SW is ON and a signal is input from the alternator, if the light control SW is OFF, the daytime running light system operates.
When any of the following conditions are met, the daytime running light is canceled.
* Ignition SW is turned OFF from ON.
* Light control SW is turned to TAIL or HEAD position

Service Hints

I14 (A) Integration Relay

18–Ground : Continuity with the light control SW at HEAD position
(A) 2–Ground : Always approx. 12 volts

C12 Combination SW

13–16 : Closed with the light control SW at HEAD position
7–16 : Closed with the dimmer SW at HIGH or FLASH position
8–16 : Closed with the dimmer SW at FLASH position

○ : Parts Location

Code		See Page	Code	See Page	Code		See Page
A11		38 (*3)	F8	38 (*3)	I14	A	47 (LHD)
		42 (*5)		42 (*5)	J2		39 (*3)
		44 (*6)		44 (*6)			43 (*5)
A13	A	46 (LHD)	F9	38 (*3)			45 (*6)
A15	B	46 (LHD)		42 (*5)	J3	A	48 (LHD)
C10	A	46 (LHD)		44 (*6)	J4	B	48 (LHD)
C11	B	46 (LHD)	F10	38 (*3)	J6	A	48 (LHD)
C12		46 (LHD)		42 (*5)	J7	B	48 (LHD)
E9	A	47 (LHD)		44 (*6)	J8	A	48 (LHD)
E10	B	47 (LHD)	H5	38 (*3)	J9	B	48 (LHD)
E11	C	47 (LHD)		42 (*5)	J10	A	48 (LHD)
E12	D	47 (LHD)		44 (*6)	J11	B	48 (LHD)
F7		38 (*3)	H6	38 (*3)	J16		48 (LHD)
		42 (*5)		42 (*5)			
		44 (*6)		44 (*6)			

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DJ		
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)

: Ground Points

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	82 (*5)	
	84 (*6)	
EC	78 (*3)	Engine Compartment Left
	82 (*5)	
	84 (*6)	
IJ	86 (LHD)	Left Kick Panel
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	E1	84 (*6)	Engine Room Main Wire
	82 (*5)				

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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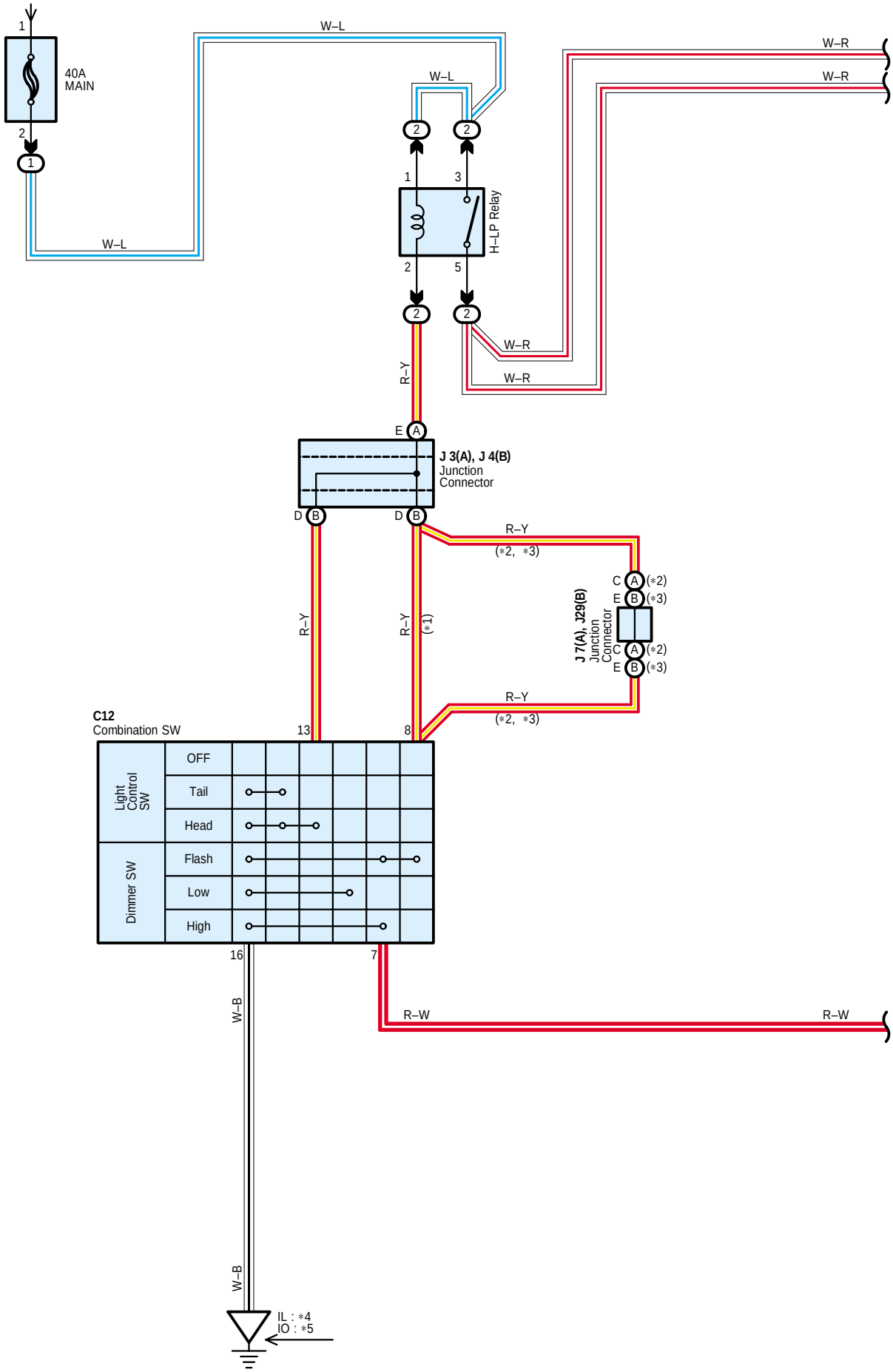
Headlight (w/o Daytime Running Light)

From Power Source System (See Page 120)



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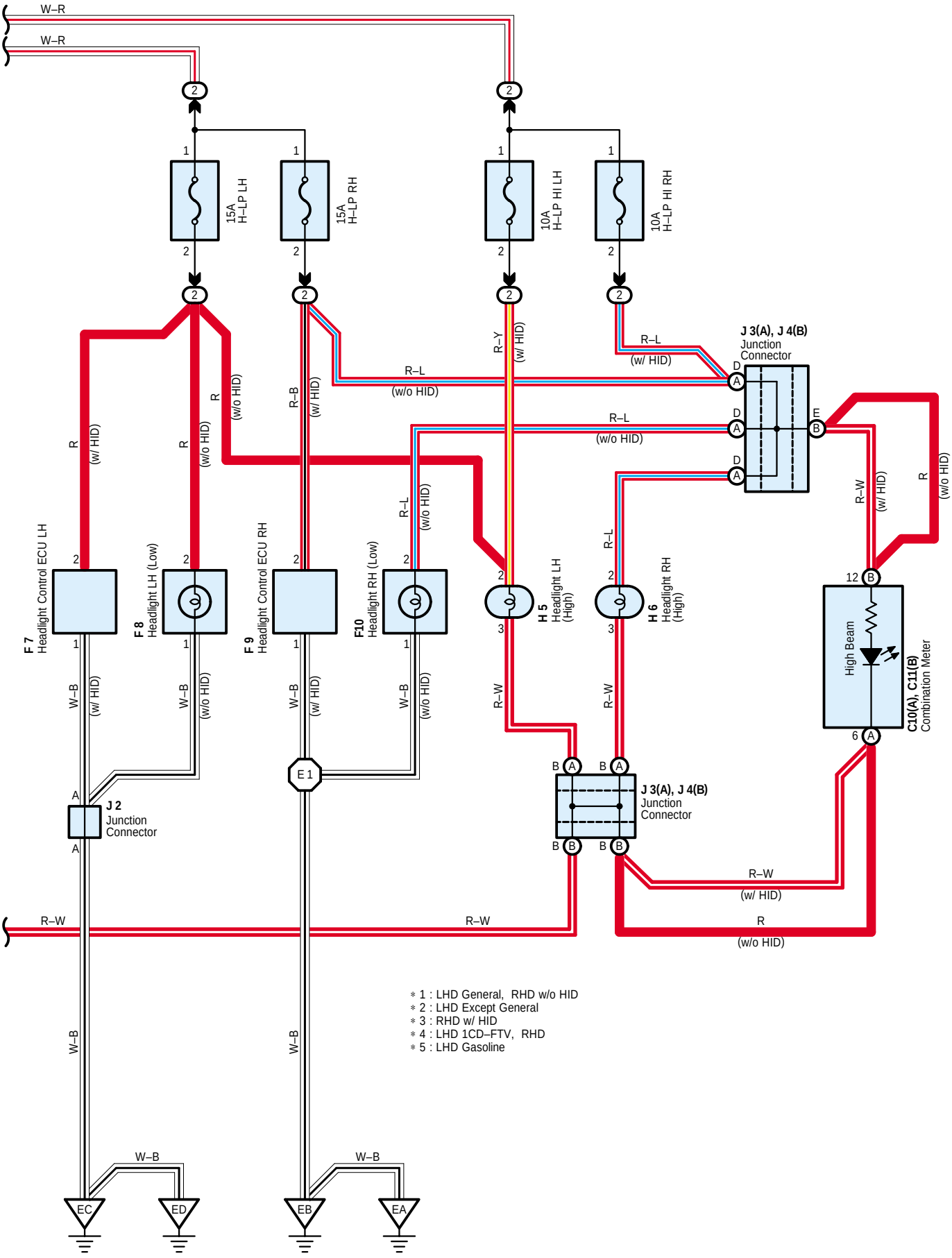
W–R
W–R
15A H–LP LH
15A H–LP RH
10A H–LP HI LH
10A H–LP HI RH
R–L (w/ HID)
R–L (w/o HID)
R–Y (w/ HID)
R (w/ HID)
R (w/o HID)
R–B (w/ HID)
R–L (w/o HID)
J 3(A), J 4(B) Junction Connector
F 7 Headlight Control ECU LH
F 8 Headlight LH (Low)
F 9 Headlight Control ECU RH
F10 Headlight RH (Low)
H 5 Headlight LH (High)
H 6 Headlight RH (High)
R–W (w/ HID)
R (w/o HID)
C10(A), C11(B) Combination Meter
High Beam
W–B (w/ HID)
W–B (w/o HID)
J 2 Junction Connector
E 1
J 3(A), J 4(B) Junction Connector
R–W (w/ HID)
R (w/o HID)
R–W
R–W
W–B
W–B
EC
ED
EB
EA
* 1 : LHD General, RHD w/o HID
* 2 : LHD Except General
* 3 : RHD w/ HID
* 4 : LHD 1CD–FTV, RHD
* 5 : LHD Gasoline

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Headlight (w/o Daytime Running Light)

Service Hints

C12 Combination SW

13–16 : Closed with the light control SW at HEAD position
8–16 : Closed with the dimmer SW at FLASH position
7–16 : Closed with the dimmer SW at HIGH or FLASH position

○ : Parts Location

Code		See Page
C10	A	46 (LHD)
		66 (RHD)
C11	B	46 (LHD)
		66 (RHD)
C12		46 (LHD)
		66 (RHD)
F7		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		62 (*9)
		64 (*10)
F8		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
F9		38 (*3)
F9		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		62 (*9)
		64 (*10)
F10		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
H5		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
H6		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
J2		39 (*3)
		41 (*4)
		43 (*5)
		45 (*6)
		59 (*7)
		61 (*8)
		63 (*9)
		65 (*10)
J3	A	48 (LHD)
		68 (RHD)
J4	B	48 (LHD)
		68 (RHD)
J7	A	48 (LHD)
J29	B	68 (RHD)

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Ground Points

Code	See Page	Ground Points Location
EA	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EB	78 (*3)	
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
ED	78 (*3)	Left Side of the Suspension Tower
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	E1	98 (*7)	Engine Room Main Wire
	80 (*4)			100 (*8)	
	82 (*5)			102 (*9)	
	84 (*6)			104 (*10)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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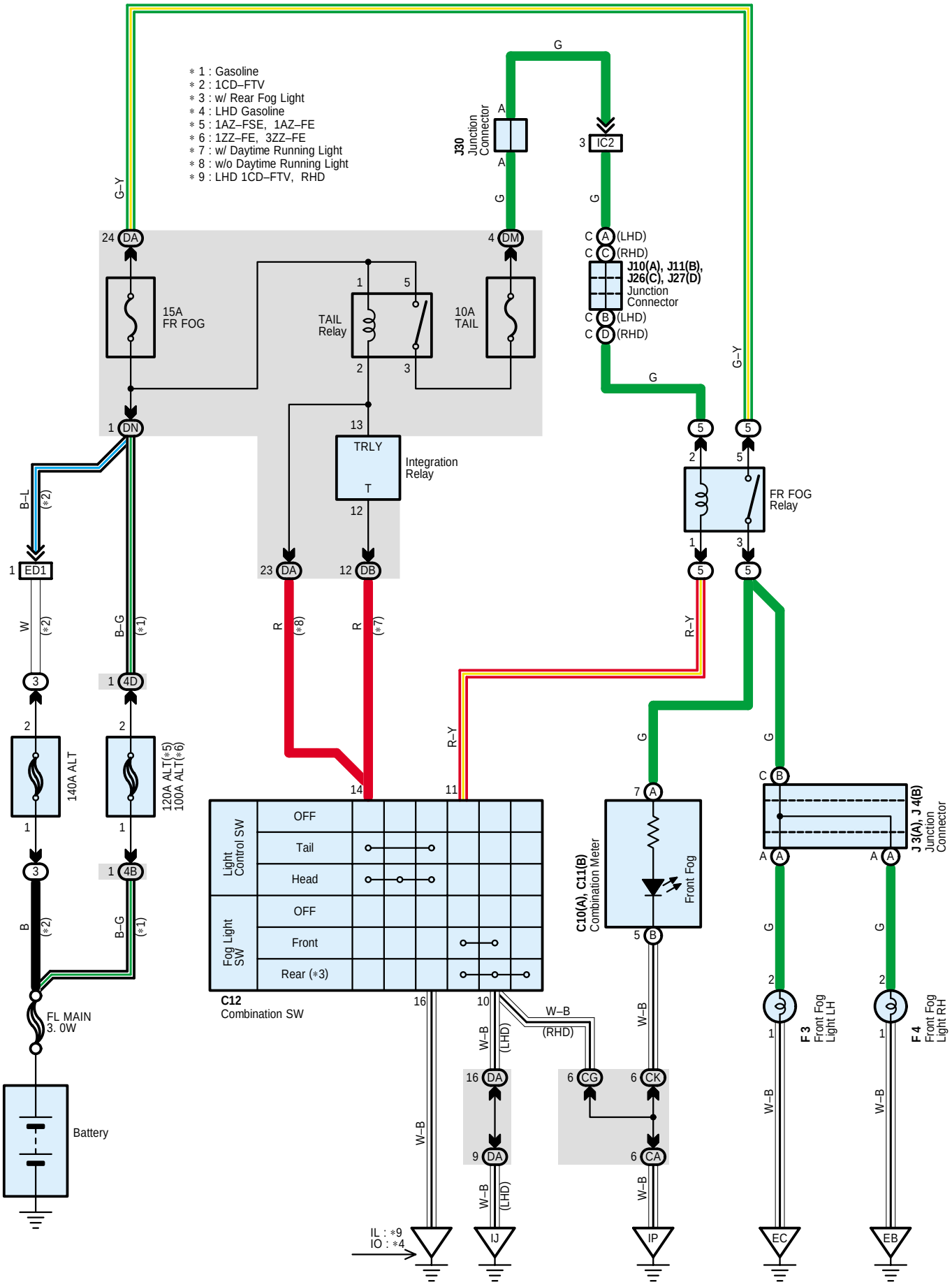
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Rear Fog Light
* 4 : LHD Gasoline
* 5 : 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
* 7 : w/ Daytime Running Light
* 8 : w/o Daytime Running Light
* 9 : LHD 1CD–FTV, RHD
J30 Junction Connector
IC2
15A FR FOG
TAIL Relay
10A TAIL
J10(A), J11(B), J26(C), J27(D) Junction Connector
TRLY
Integration Relay
FR FOG Relay
ED1
4D
4B
140A ALT
120A ALT(*5) 100A ALT(*6)
FL MAIN 3. 0W
Battery
C12 Combination SW
Light Control SW
OFF
Tail
Head
Fog Light SW
OFF
Front
Rear (*3)
C10(A), C11(B) Combination Meter
Front Fog
J3(A), J4(B) Junction Connector
F3 Front Fog Light LH
F4 Front Fog Light RH
IL : *9
IO : *4
IJ
IP
EC
EB
(LHD)
(RHD)

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Service Hints

FR FOG Relay

5–3 : Closed with the light control SW at TAIL or HEAD position and the fog light SW at FRONT or REAR (w/ rear fog light) position

: Parts Location

Code		See Page	Code		See Page	Code		See Page
C10	A	46 (LHD)	F3		64 (*10)	J10	A	48 (LHD)
		66 (RHD)	F4		38 (*3)	J11	B	48 (LHD)
C11	B	46 (LHD)			40 (*4)	J26	C	68 (RHD)
		66 (RHD)			42 (*5)	J27	D	68 (RHD)
C12		46 (LHD)			44 (*6)	J30		51 (LHD S/D)
		66 (RHD)			58 (*7)			53 (LHD L/B)
F3		38 (*3)			62 (*9)			55 (LHD W/G)
		40 (*4)			64 (*10)			71 (RHD S/D)
		42 (*5)	J3	A	48 (LHD)			73 (RHD L/B)
		44 (*6)			68 (RHD)			75 (RHD W/G)
		58 (*7)	J4	B	48 (LHD)			
		62 (*9)			68 (RHD)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
	28 (RHD)	Driver Side R/B (Instrument Panel Reinforcement LH)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CG	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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Front Fog Light

▽ : **Ground Points**

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	102 (*9)	
	104 (*10)	
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	102 (*9)	
	104 (*10)	
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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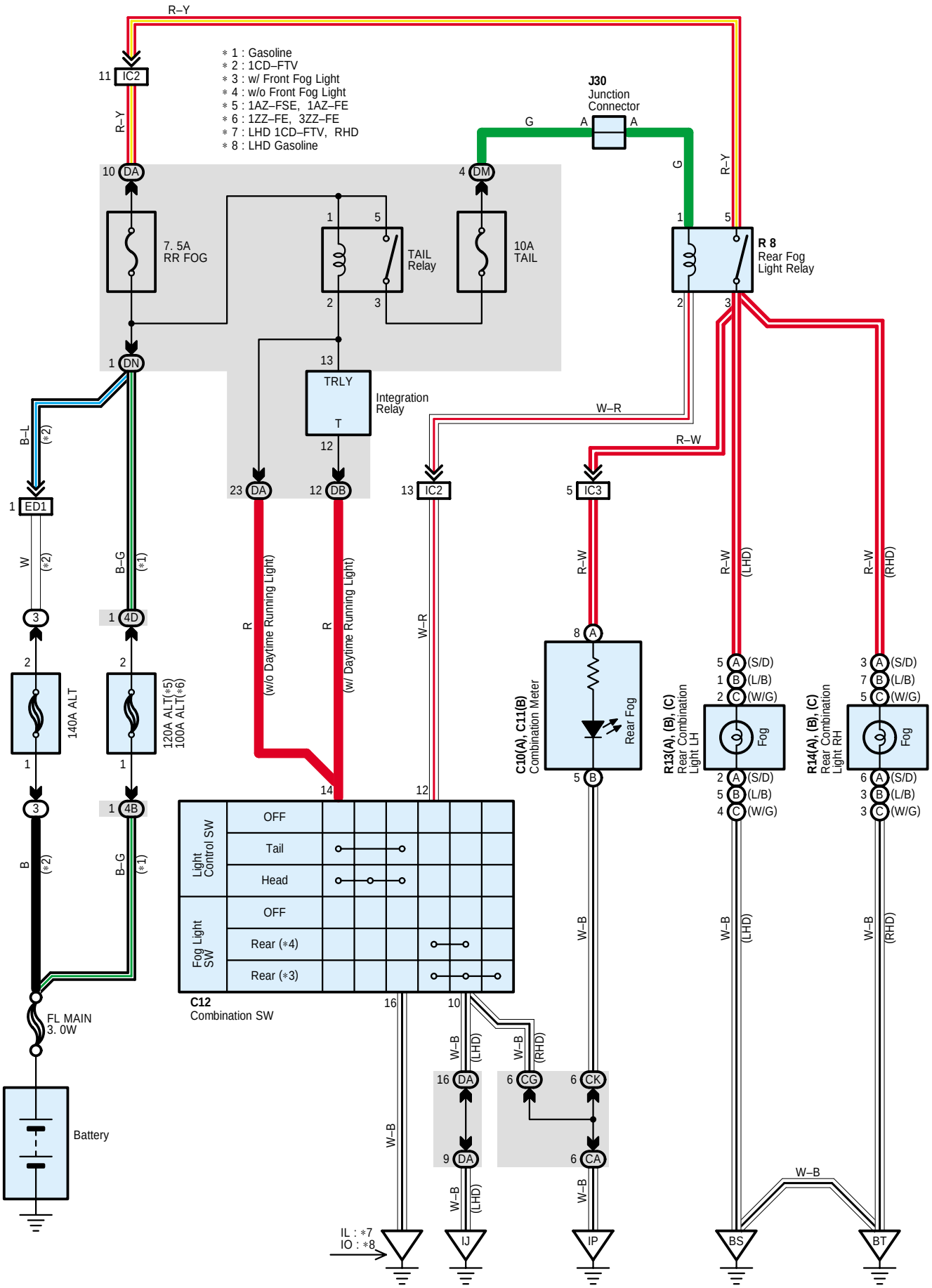
R–Y
＊1 : Gasoline
＊2 : 1CD–FTV
＊3 : w/ Front Fog Light
＊4 : w/o Front Fog Light
＊5 : 1AZ–FSE, 1AZ–FE
＊6 : 1ZZ–FE, 3ZZ–FE
＊7 : LHD 1CD–FTV, RHD
＊8 : LHD Gasoline
J30
Junction Connector
G
R–Y
7. 5A
RR FOG
TAIL
Relay
10A
TAIL
R 8
Rear Fog
Light Relay
TRLY
Integration
Relay
W–R
R–W
B–L
(＊2)
W
B–G
(＊1)
140A ALT
120A ALT(＊5)
100A ALT(＊6)
R
(w/o Daytime Running Light)
(w/ Daytime Running Light)
C10(A), C11(B)
Combination Meter
Rear Fog
R13(A), (B), (C)
Rear Combination
Light LH
R14(A), (B), (C)
Rear Combination
Light RH
(LHD)
(RHD)
(S/D)
(L/B)
(W/G)
Fog
Light
Control SW
OFF
Tail
Head
Fog Light
SW
OFF
Rear (＊4)
Rear (＊3)
C12
Combination SW
FL MAIN
3. 0W
Battery
IL : ＊7
IO : ＊8
W–B
IC2
IC3
ED1
DA
DB
DM
DN
4D
4B
CG
CK
CA
IJ
IP
BS
BT

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Service Hints

R8 Rear Fog Light Relay

5–3 : Closed with the light control SW at TAIL or HEAD position and the fog light SW at REAR position

○ : Parts Location

Code		See Page	Code	See Page	Code		See Page
C10	A	46 (LHD)	J30	53 (LHD L/B)	R13	A	51 (LHD S/D)
		66 (RHD)		55 (LHD W/G)		B	53 (LHD L/B)
C11	B	46 (LHD)		71 (RHD S/D)		C	55 (LHD W/G)
		66 (RHD)		73 (RHD L/B)	R14	A	71 (RHD S/D)
C12		46 (LHD)		75 (RHD W/G)		B	73 (RHD L/B)
		66 (RHD)	R8	49 (LHD)		C	75 (RHD W/G)
J30		51 (LHD S/D)		69 (RHD)			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CG	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC3	86 (LHD)	
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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Rear Fog Light

▽ : **Ground Points**

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BT	90 (LHD S/D)	Lower Back Panel Center
	92 (LHD L/B)	
	94 (LHD W/G)	Lower Back Panel Right
	110 (RHD S/D)	Lower Back Panel Center
	112 (RHD L/B)	
	114 (RHD W/G)	Lower Back Panel Right

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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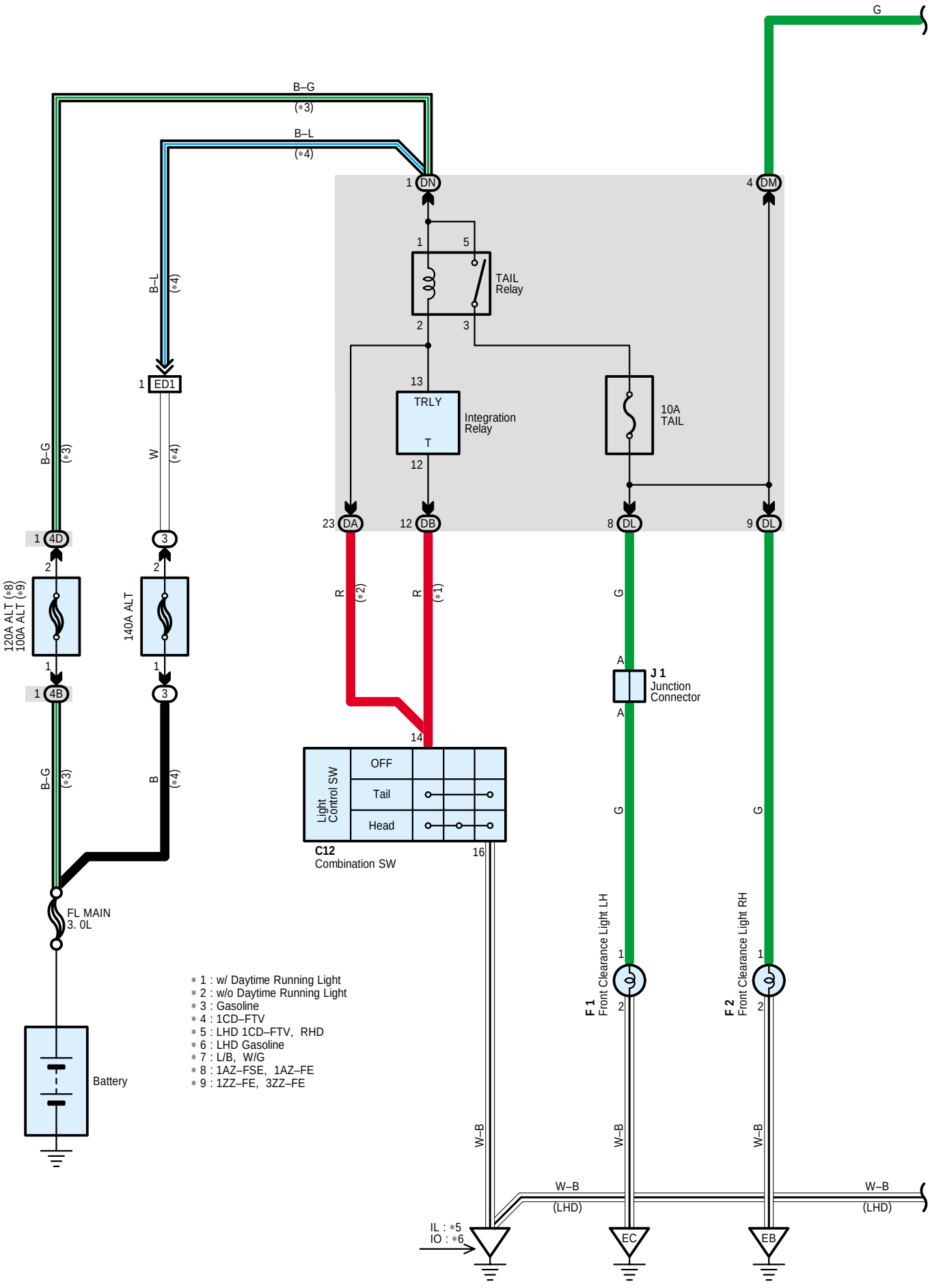
G
B–G
(*3)
B–L
(*4)
1 DN
4 DM
1
5
TAIL
Relay
2
3
13
TRLY
T
Integration
Relay
12
10A
TAIL
23 DA
12 DB
8 DL
9 DL
1 ED1
B–G (*3)
W (*4)
1 4D
3
2
2
120A ALT (*8)
100A ALT (*9)
140A ALT
1
1
1 4B
3
B–G (*3)
B (*4)
R (*2)
R (*1)
G
A
J 1
Junction
Connector
A
14
Light
Control SW
OFF
Tail
Head
C12
Combination SW
16
G
G
FL MAIN
3. 0L
Battery
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : LHD 1CD–FTV, RHD
* 6 : LHD Gasoline
* 7 : L/B, W/G
* 8 : 1AZ–FSE, 1AZ–FE
* 9 : 1ZZ–FE, 3ZZ–FE
F 1
Front Clearance Light LH
1
2
F 2
Front Clearance Light RH
1
2
W–B
W–B
W–B
W–B
(LHD)
W–B
(LHD)
IL : *5
IO : *6
EC
EB

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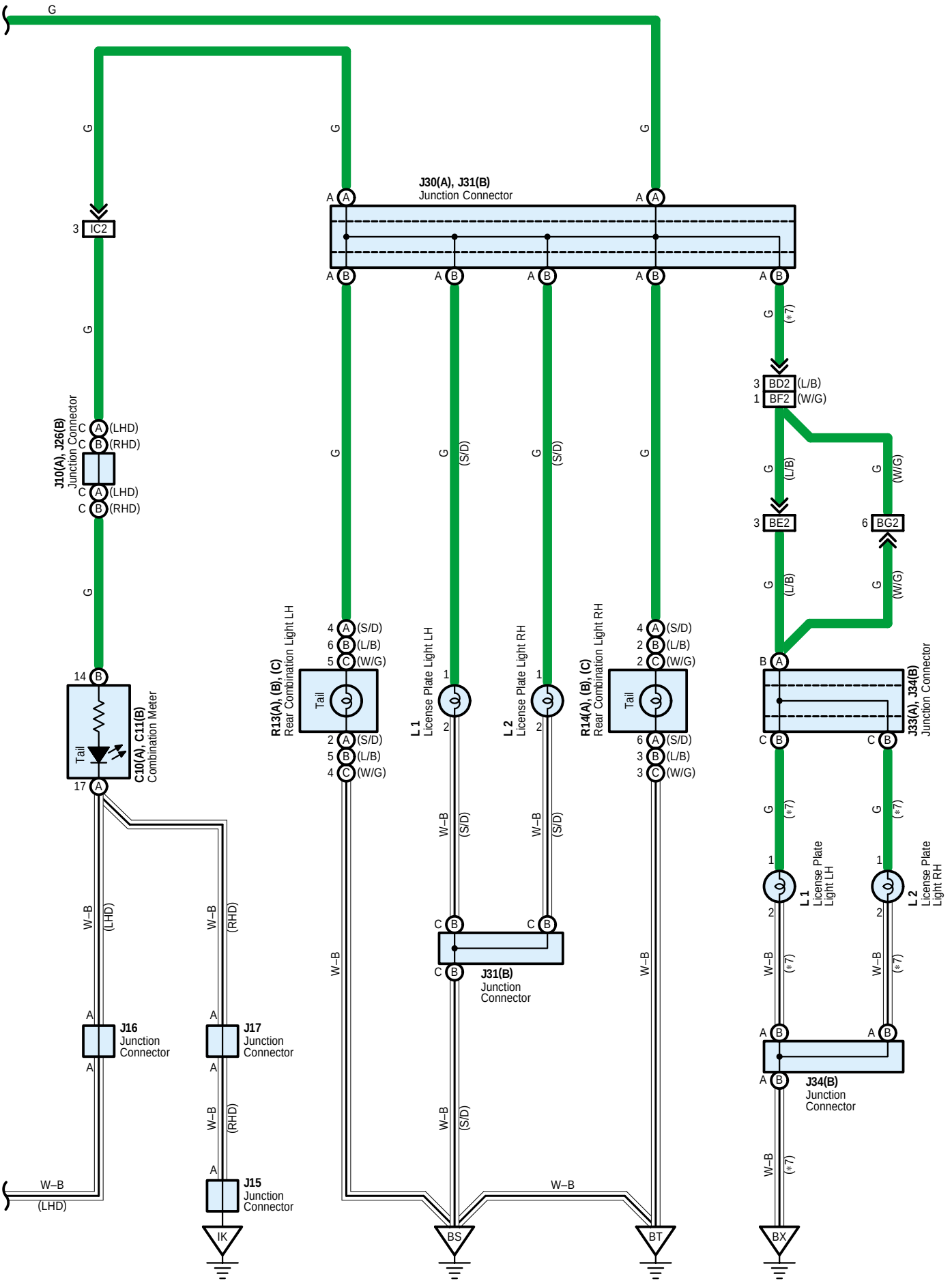
G
3 IC2
J30(A), J31(B)
Junction Connector
J10(A), J26(B)
Junction Connector
C A (LHD)
C B (RHD)
C A (LHD)
C B (RHD)
14 B
17 A
Tail
C10(A), C11(B)
Combination Meter
R13(A), (B), (C)
Rear Combination Light LH
4 A (S/D)
6 B (L/B)
5 C (W/G)
2 A (S/D)
5 B (L/B)
4 C (W/G)
L1
License Plate Light LH
L2
License Plate Light RH
R14(A), (B), (C)
Rear Combination Light RH
4 A (S/D)
2 B (L/B)
2 C (W/G)
6 A (S/D)
3 B (L/B)
3 C (W/G)
3 BD2 (L/B)
1 BF2 (W/G)
3 BE2
6 BG2
J33(A), J34(B)
Junction Connector
J16
Junction Connector
J17
Junction Connector
J15
Junction Connector
J31(B)
Junction Connector
J34(B)
Junction Connector
W–B (LHD)
W–B (RHD)
(S/D)
(L/B)
(W/G)
(*7)
IK
BS
BT
BX

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Taillight

Service Hints

C12 Combination SW

14–16 : Closed with the light control SW at TAIL or HEAD position

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
C10	A	46 (LHD)	J1		61 (*8)	J34	B	75 (RHD W/G)
		66 (RHD)			63 (*9)	L1		51 (LHD S/D)
C11	B	46 (LHD)			65 (*10)			53 (LHD L/B)
		66 (RHD)	J10	A	48 (LHD)			55 (LHD W/G)
C12		46 (LHD)	J15		68 (RHD)			71 (RHD S/D)
		66 (RHD)	J16		48 (LHD)			73 (RHD L/B)
F1		38 (*3)	J17		68 (RHD)			75 (RHD W/G)
		40 (*4)	J26	B	68 (RHD)	L2		51 (LHD S/D)
		42 (*5)	J30	A	51 (LHD S/D)			53 (LHD L/B)
		44 (*6)			53 (LHD L/B)			55 (LHD W/G)
		58 (*7)			55 (LHD W/G)			71 (RHD S/D)
		60 (*8)			71 (RHD S/D)			73 (RHD L/B)
		62 (*9)			73 (RHD L/B)			75 (RHD W/G)
		64 (*10)			75 (RHD W/G)	R13	A	51 (LHD S/D)
F2		38 (*3)	J31	B	51 (LHD S/D)			71 (RHD S/D)
		40 (*4)			53 (LHD L/B)		B	53 (LHD L/B)
		42 (*5)			55 (LHD W/G)			73 (RHD L/B)
		44 (*6)			71 (RHD S/D)		C	55 (LHD W/G)
		58 (*7)			73 (RHD L/B)			75 (RHD W/G)
		60 (*8)			75 (RHD W/G)	R14	A	51 (LHD S/D)
		62 (*9)	J33	A	53 (LHD L/B)			71 (RHD S/D)
		64 (*10)			55 (LHD W/G)		B	53 (LHD L/B)
J1		39 (*3)			73 (RHD L/B)			73 (RHD L/B)
		41 (*4)			75 (RHD W/G)		C	55 (LHD W/G)
		43 (*5)	J34	B	53 (LHD L/B)			75 (RHD W/G)
		45 (*6)			55 (LHD W/G)			
		59 (*7)			73 (RHD L/B)			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
BD2	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	112 (RHD L/B)	
BE2	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
	112 (RHD L/B)	
BF2	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	114 (RHD W/G)	
BG2	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	114 (RHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
IK	106 (RHD)	Behind the Combination Meter
IL	86 (LHD)	
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BT	90 (LHD S/D)	Lower Back Panel Center
	92 (LHD L/B)	
	94 (LHD W/G)	Lower Back Panel Right
	110 (RHD S/D)	Lower Back Panel Center
	112 (RHD L/B)	
	114 (RHD W/G)	Lower Back Panel Right
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	
	112 (RHD L/B)	
	114 (RHD W/G)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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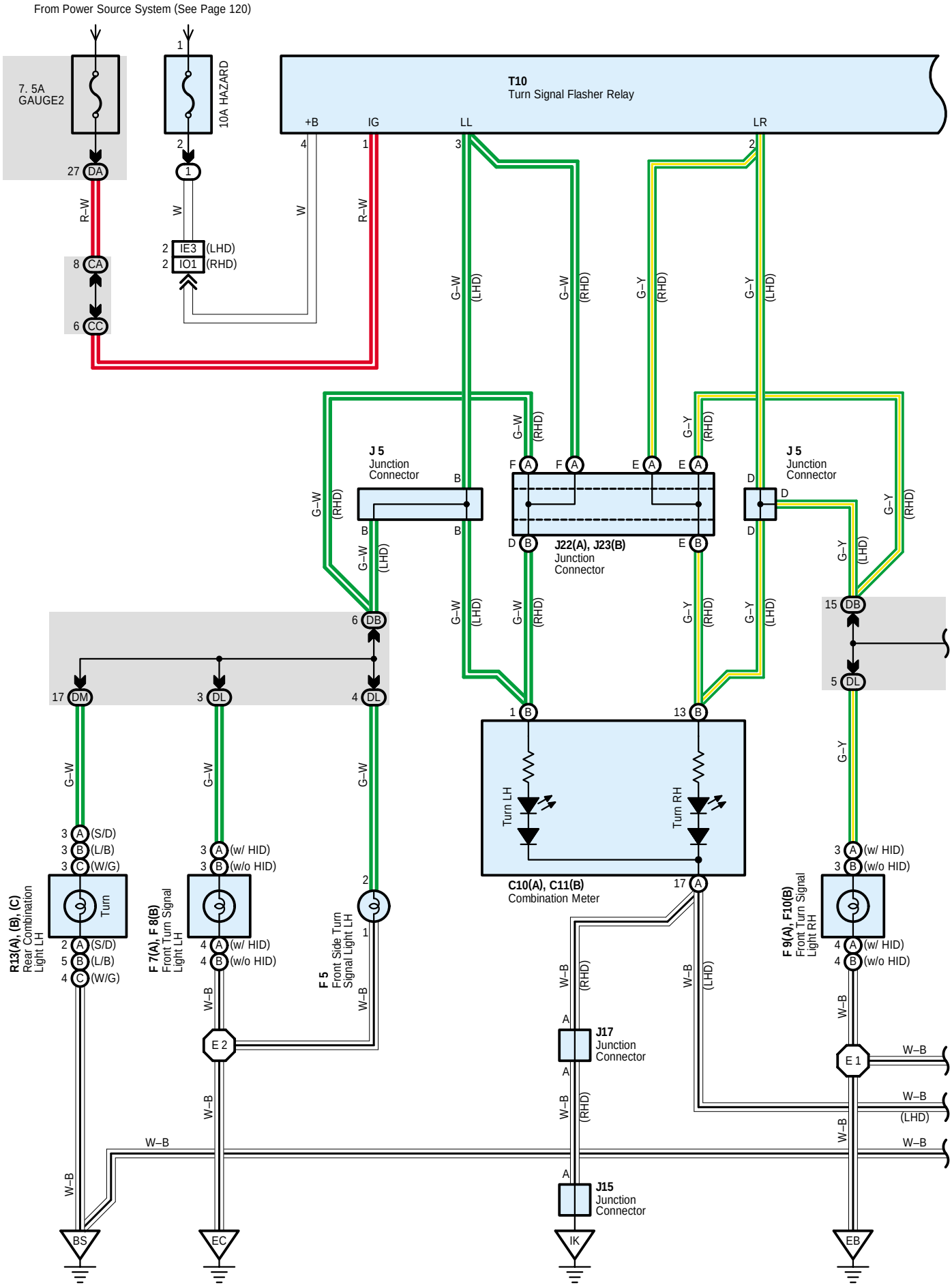
Turn Signal and Hazard Warning Light



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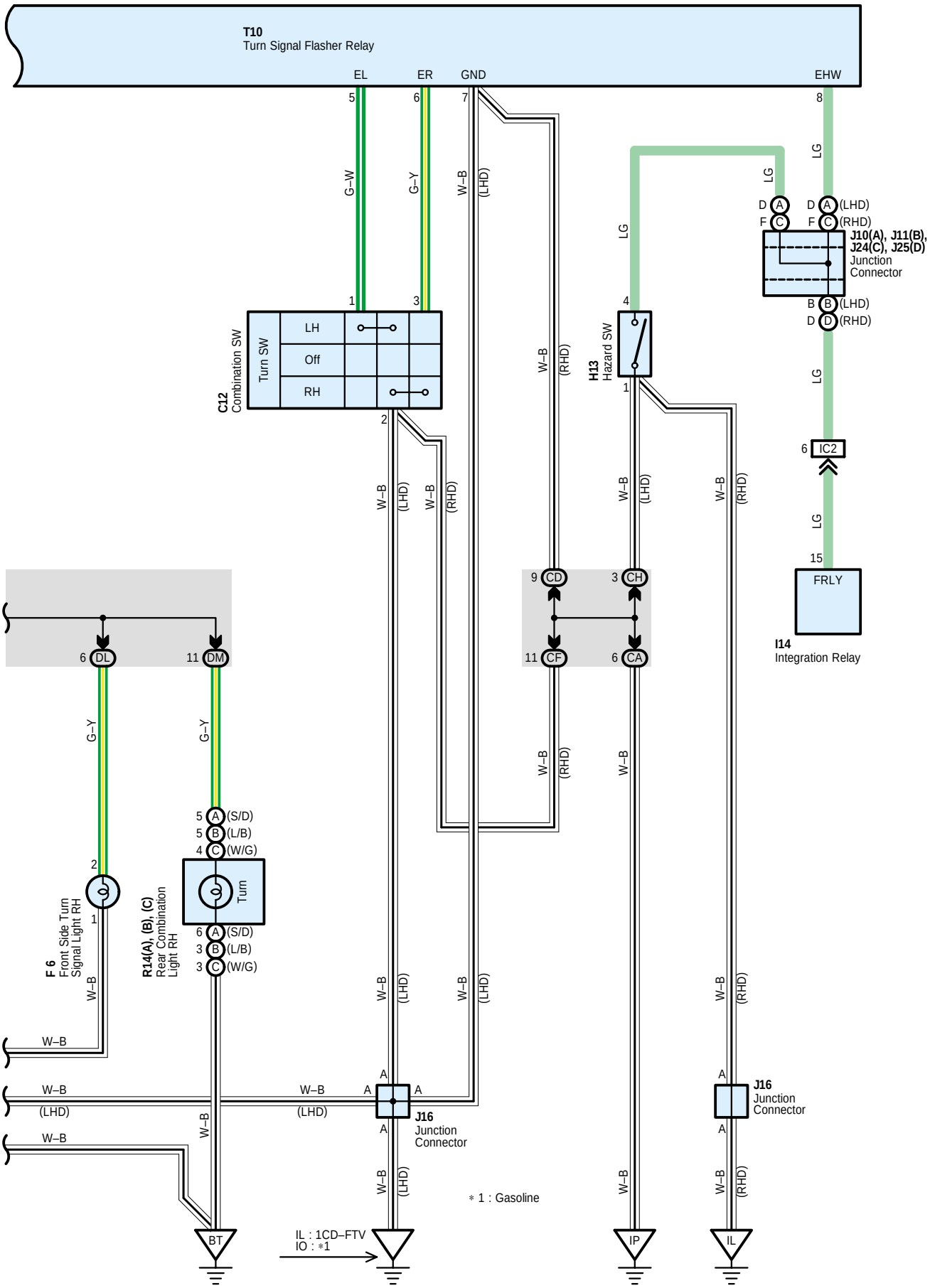
T10
Turn Signal Flasher Relay
EL
ER
GND
EHW
G–W
G–Y
W–B
(LHD)
LG
(RHD)
J10(A), J11(B), J24(C), J25(D)
Junction Connector
C12
Combination SW
Turn SW
LH
Off
RH
H13
Hazard SW
IC2
FRLY
I14
Integration Relay
F 6
Front Side Turn Signal Light RH
R14(A), (B), (C)
Rear Combination Light RH
Turn
(S/D)
(L/B)
(W/G)
J16
Junction Connector
BT
IP
IL
IL : 1CD–FTV
IO : *1
* 1 : Gasoline

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Turn Signal and Hazard Warning Light

Service Hints

T10 Turn Signal Flasher Relay

1–Ground : Approx. 12 volts with the ignition SW at ON position
4–Ground : Always approx. 12 volts
7–Ground : Always continuity

○ : Parts Location

Code		See Page
C10	A	46 (LHD)
		66 (RHD)
C11	B	46 (LHD)
		66 (RHD)
C12		46 (LHD)
		66 (RHD)
F5		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
F6		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
F7	A	38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)

Code		See Page
F7	A	62 (*9)
		64 (*10)
F8	B	38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
F9	A	38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		62 (*9)
		64 (*10)
F10	B	38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
H13		47 (LHD)
		67 (RHD)

Code		See Page
I14		47 (LHD)
		67 (RHD)
J5		48 (LHD)
J10	A	48 (LHD)
J11	B	48 (LHD)
J15		68 (RHD)
J16		48 (LHD)
		68 (RHD)
J17		68 (RHD)
J22	A	68 (RHD)
J23	B	68 (RHD)
J24	C	68 (RHD)
J25	D	68 (RHD)
R13	A	51 (LHD S/D)
		71 (RHD S/D)
	B	53 (LHD L/B)
		73 (RHD L/B)
	C	55 (LHD W/G)
		75 (RHD W/G)
R14	A	51 (LHD S/D)
		71 (RHD S/D)
	B	53 (LHD L/B)
		73 (RHD L/B)
	C	55 (LHD W/G)
		75 (RHD W/G)
T10		49 (LHD)
		69 (RHD)

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	

▭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CF		
CH	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BT	90 (LHD S/D)	Lower Back Panel Center
	92 (LHD L/B)	
	94 (LHD W/G)	Lower Back Panel Right
	110 (RHD S/D)	Lower Back Panel Center
	112 (RHD L/B)	
	114 (RHD W/G)	Lower Back Panel Right

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	E2	78 (*3)	Engine Room Main Wire
	80 (*4)			80 (*4)	
	82 (*5)			82 (*5)	
	84 (*6)			84 (*6)	
	98 (*7)			98 (*7)	
	100 (*8)			100 (*8)	
	102 (*9)			102 (*9)	
	104 (*10)			104 (*10)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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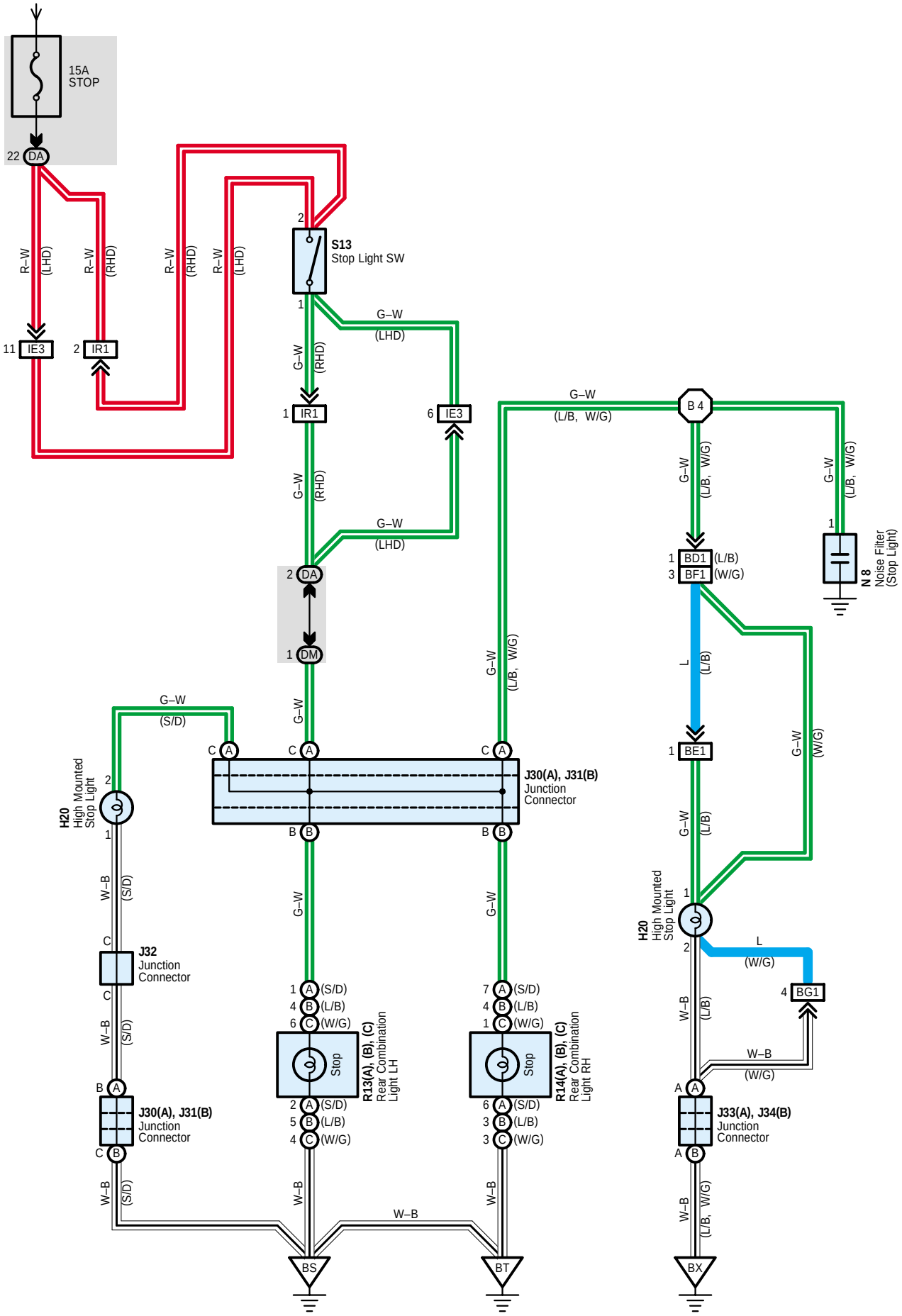
Stop Light

From Power Source System (See Page 120)



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Service Hints

S13 Stop Light SW

2–1 : Closed with the brake pedal depressed

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
H20		50 (LHD S/D)	J31	B	75 (RHD W/G)	N8		73 (RHD L/B)
		52 (LHD L/B)	J32		51 (LHD S/D)			75 (RHD W/G)
		54 (LHD W/G)			53 (LHD L/B)	R13	A	51 (LHD S/D)
		70 (RHD S/D)			55 (LHD W/G)			71 (RHD S/D)
		72 (RHD L/B)			71 (RHD S/D)		B	53 (LHD L/B)
		74 (RHD W/G)			73 (RHD L/B)			73 (RHD L/B)
J30	A	51 (LHD S/D)			75 (RHD W/G)		C	55 (LHD W/G)
		53 (LHD L/B)	J33	A	53 (LHD L/B)			75 (RHD W/G)
		55 (LHD W/G)			55 (LHD W/G)	R14	A	51 (LHD S/D)
		71 (RHD S/D)			73 (RHD L/B)			71 (RHD S/D)
		73 (RHD L/B)			75 (RHD W/G)		B	53 (LHD L/B)
		75 (RHD W/G)	J34	B	53 (LHD L/B)			73 (RHD L/B)
J31	B	51 (LHD S/D)			55 (LHD W/G)		C	55 (LHD W/G)
		53 (LHD L/B)			73 (RHD L/B)			75 (RHD W/G)
		55 (LHD W/G)			75 (RHD W/G)	S13		49 (LHD)
		71 (RHD S/D)	N8		53 (LHD L/B)			69 (RHD)
		73 (RHD L/B)			55 (LHD W/G)			

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)
BD1	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	112 (RHD L/B)	
BE1	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
	112 (RHD L/B)	
BF1	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	114 (RHD W/G)	
BG1	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	114 (RHD W/G)	

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Stop Light

: **Ground Points**

Code	See Page	Ground Points Location
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BT	90 (LHD S/D)	Lower Back Panel Center
	92 (LHD L/B)	
	94 (LHD W/G)	Lower Back Panel Right
	110 (RHD S/D)	Lower Back Panel Center
	112 (RHD L/B)	
	114 (RHD W/G)	Lower Back Panel Right
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B4	92 (LHD L/B)	Floor Wire	B4	112 (RHD L/B)	Floor Wire
	94 (LHD W/G)			114 (RHD W/G)	

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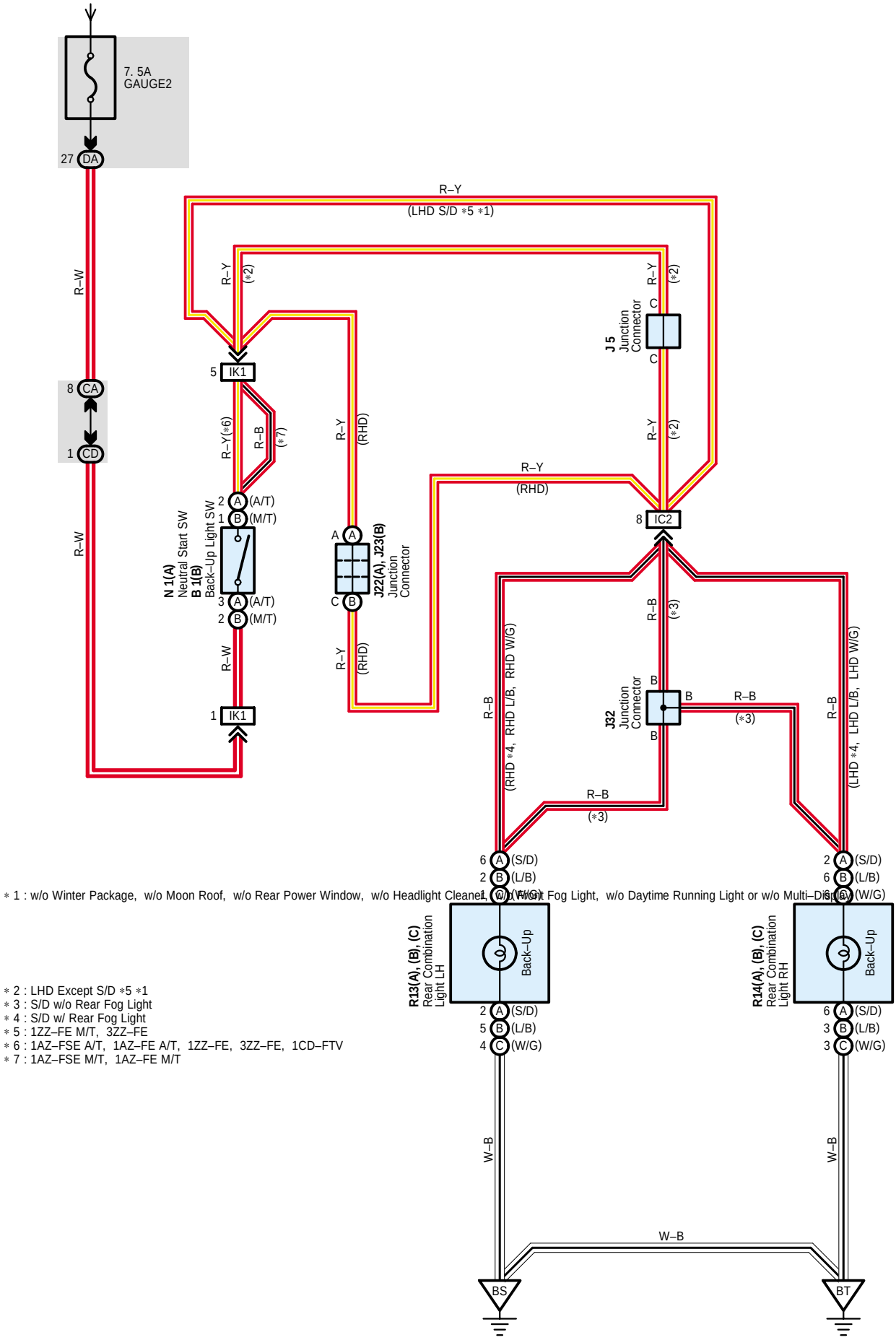
Back–Up Light

From Power Source System (See Page 120)



∗ 1 : w/o Winter Package, w/o Moon Roof, w/o Rear Power Window, w/o Headlight Cleaner, w/o Front Fog Light, w/o Daytime Running Light or w/o Multi–Display

∗ 2 : LHD Except S/D ∗5 ∗1
∗ 3 : S/D w/o Rear Fog Light
∗ 4 : S/D w/ Rear Fog Light
∗ 5 : 1ZZ–FE M/T, 3ZZ–FE
∗ 6 : 1AZ–FSE A/T, 1AZ–FE A/T, 1ZZ–FE, 3ZZ–FE, 1CD–FTV
∗ 7 : 1AZ–FSE M/T, 1AZ–FE M/T

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Service Hints

B1 (B) Back–Up Light SW (M/T)

(B) 2–(B) 1 : Closed with the shift lever in R position

N1 (A) Neutral Start SW (A/T)

(A) 3–(A) 2 : Closed with the shift lever in R position

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
B1	B	38 (*3)	J23	B	68 (RHD)	R13	A	51 (LHD S/D)
		40 (*4)	J32		51 (LHD S/D)			71 (RHD S/D)
		42 (*5)			71 (RHD S/D)		B	73 (RHD L/B)
		44 (*6)	N1	A	39 (*3)		C	75 (RHD W/G)
		58 (*7)			41 (*4)	R14	A	51 (LHD S/D)
		62 (*9)			43 (*5)			71 (RHD S/D)
		64 (*10)			59 (*7)		B	53 (LHD L/B)
J5		48 (LHD)			61 (*8)		C	55 (LHD W/G)
J22	A	68 (RHD)			63 (*9)			

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	

▽ : Ground Points

Code	See Page	Ground Points Location
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BT	90 (LHD S/D)	Lower Back Panel Center
	92 (LHD L/B)	
	94 (LHD W/G)	Lower Back Panel Right
	110 (RHD S/D)	Lower Back Panel Center
	112 (RHD L/B)	
	114 (RHD W/G)	Lower Back Panel Right

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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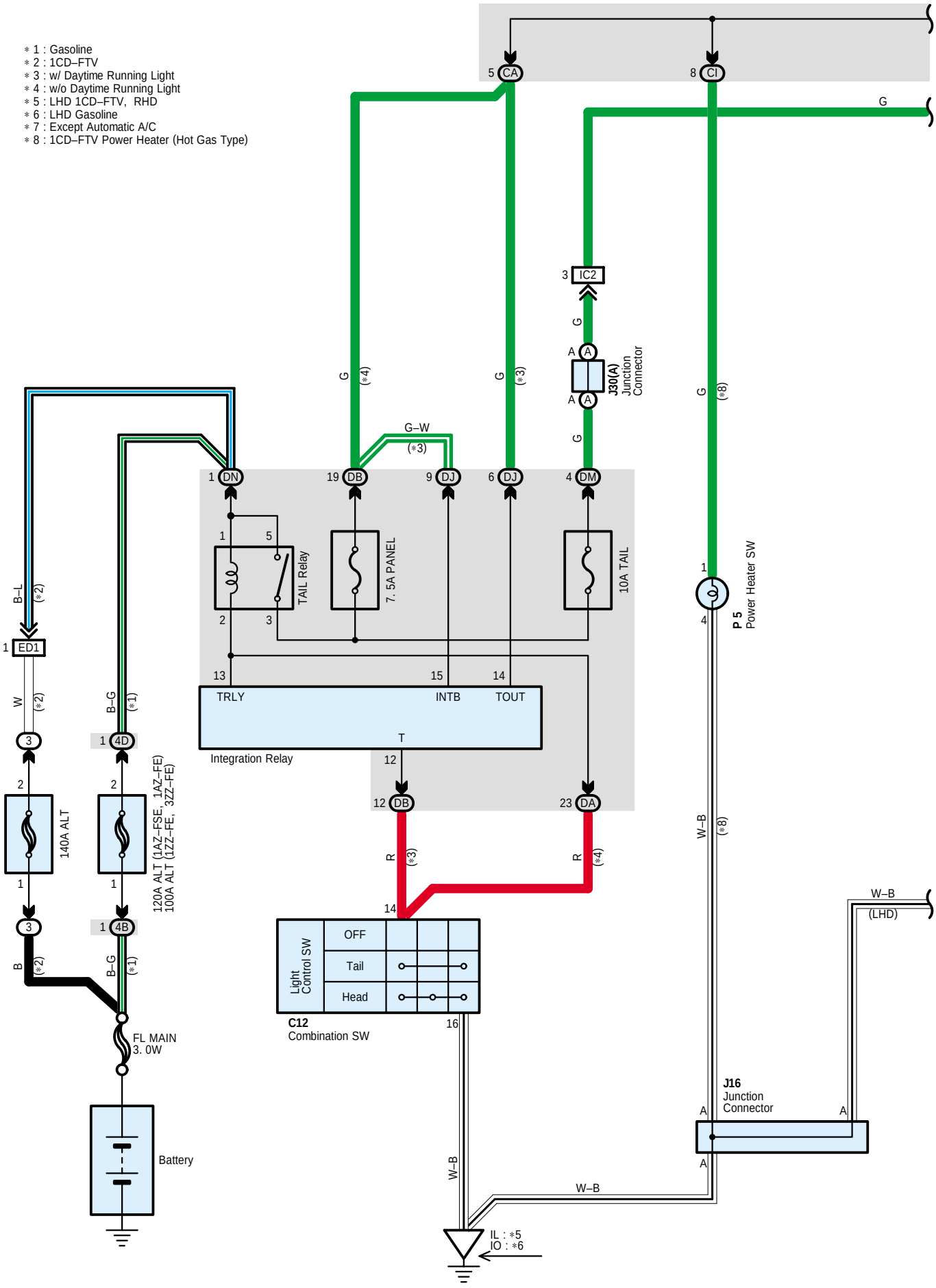
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/ Daytime Running Light
∗ 4 : w/o Daytime Running Light
∗ 5 : LHD 1CD–FTV, RHD
∗ 6 : LHD Gasoline
∗ 7 : Except Automatic A/C
∗ 8 : 1CD–FTV Power Heater (Hot Gas Type)
5 CA
8 CI
G
3 IC2
A A
J30(A) Junction Connector
A A
G (∗4)
G (∗3)
G (∗8)
G–W (∗3)
1 DN
19 DB
9 DJ
6 DJ
4 DM
TAIL Relay
7. 5A PANEL
10A TAIL
P 5 Power Heater SW
B–L (∗2)
1 ED1
W (∗2)
B–G (∗1)
1 4D
3
2
140A ALT
120A ALT (1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
1
3
1 4B
B (∗2)
B–G (∗1)
FL MAIN
3. 0W
Battery
13
15
14
TRLY
INTB
TOUT
T
Integration Relay
12
12 DB
23 DA
R (∗3)
R (∗4)
14
Light Control SW
OFF
Tail
Head
C12
Combination SW
16
W–B
W–B (∗8)
W–B (LHD)
J16
Junction Connector
A
A
A
W–B
IL : ∗5
IO : ∗6

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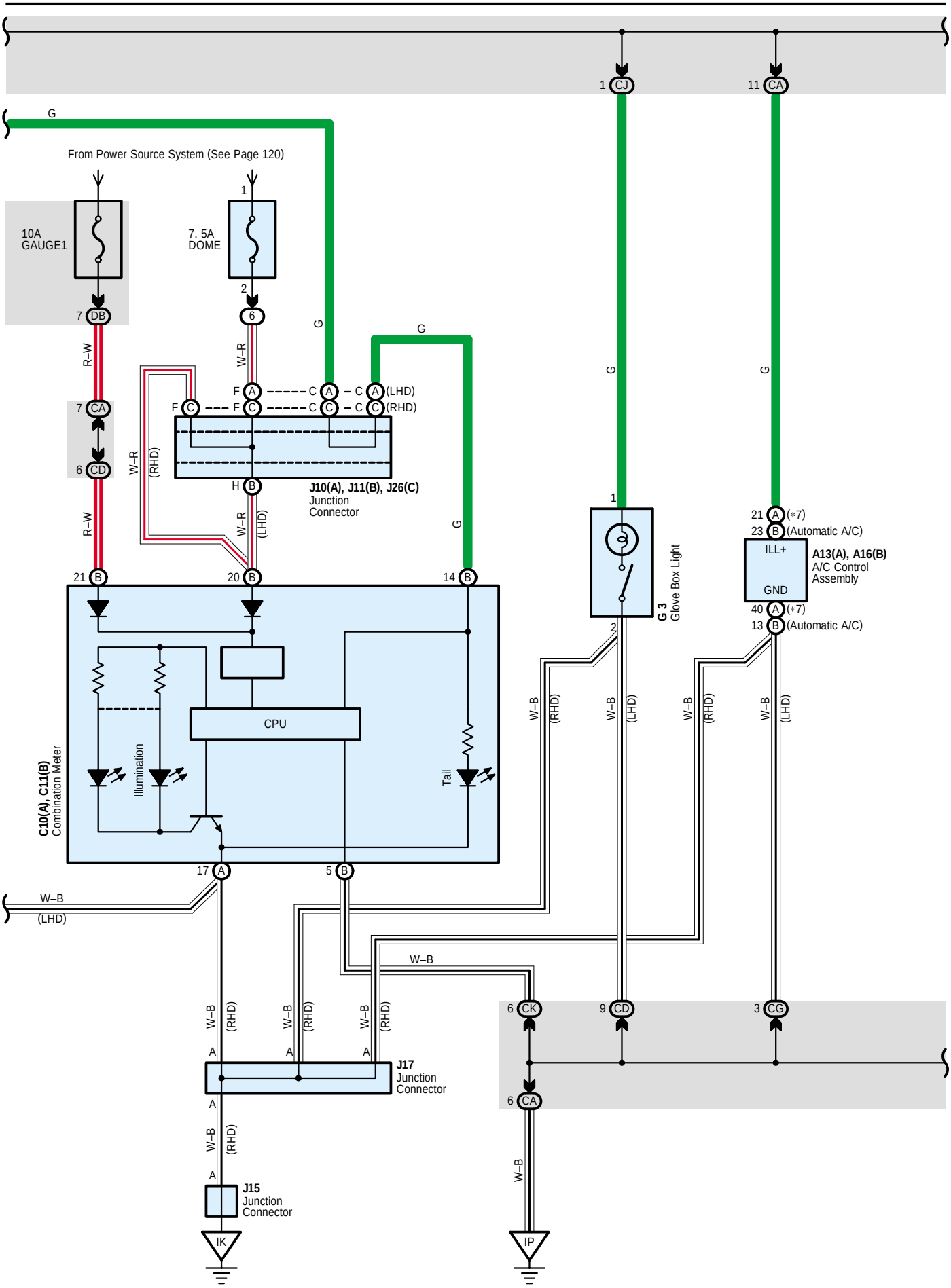
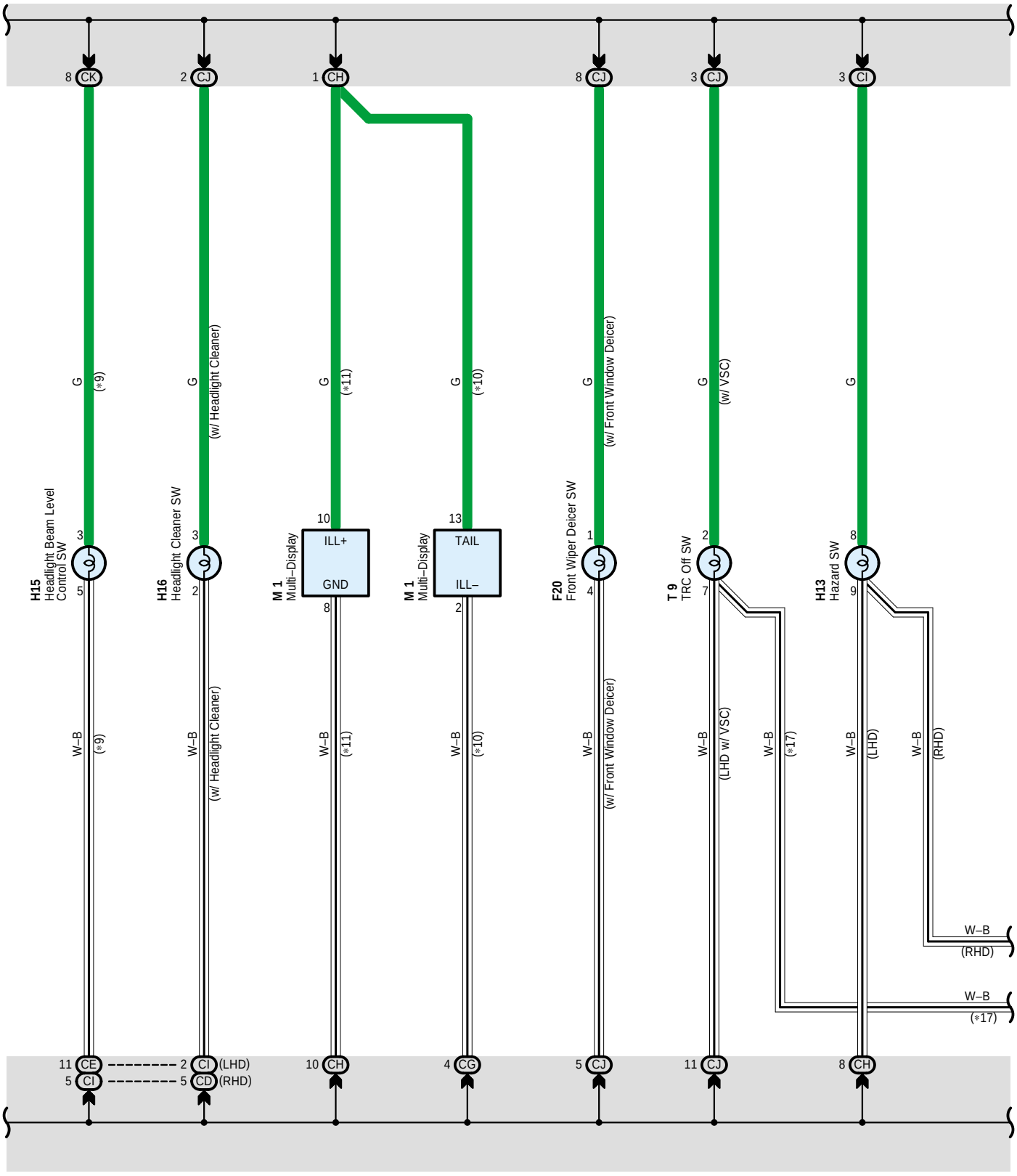

From Power Source System (See Page 120)
10A GAUGE1
7. 5A DOME
J10(A), J11(B), J26(C) Junction Connector
C10(A), C11(B) Combination Meter
CPU
Illumination
Tail
G 3 Glove Box Light
A13(A), A16(B) A/C Control Assembly
ILL+
GND
(Automatic A/C)
J17 Junction Connector
J15 Junction Connector
IK
IP
(LHD)
(RHD)

http://vnx.su



∗ 9 : w/ Headlight Beam Level Control w/o HID
∗10 : w/ Navigation System (Map Type)
∗11 : w/ Multi–Display w/o Navigation System (Map Type)
∗12 : Power Heater (Combustion Type)
∗13 : w/ Steering SW
∗14 : A/T Except 1AZ–FE
∗15 : w/ Seat Heater
∗16 : w/ Multi–Display
∗17 : RHD w/ VSC

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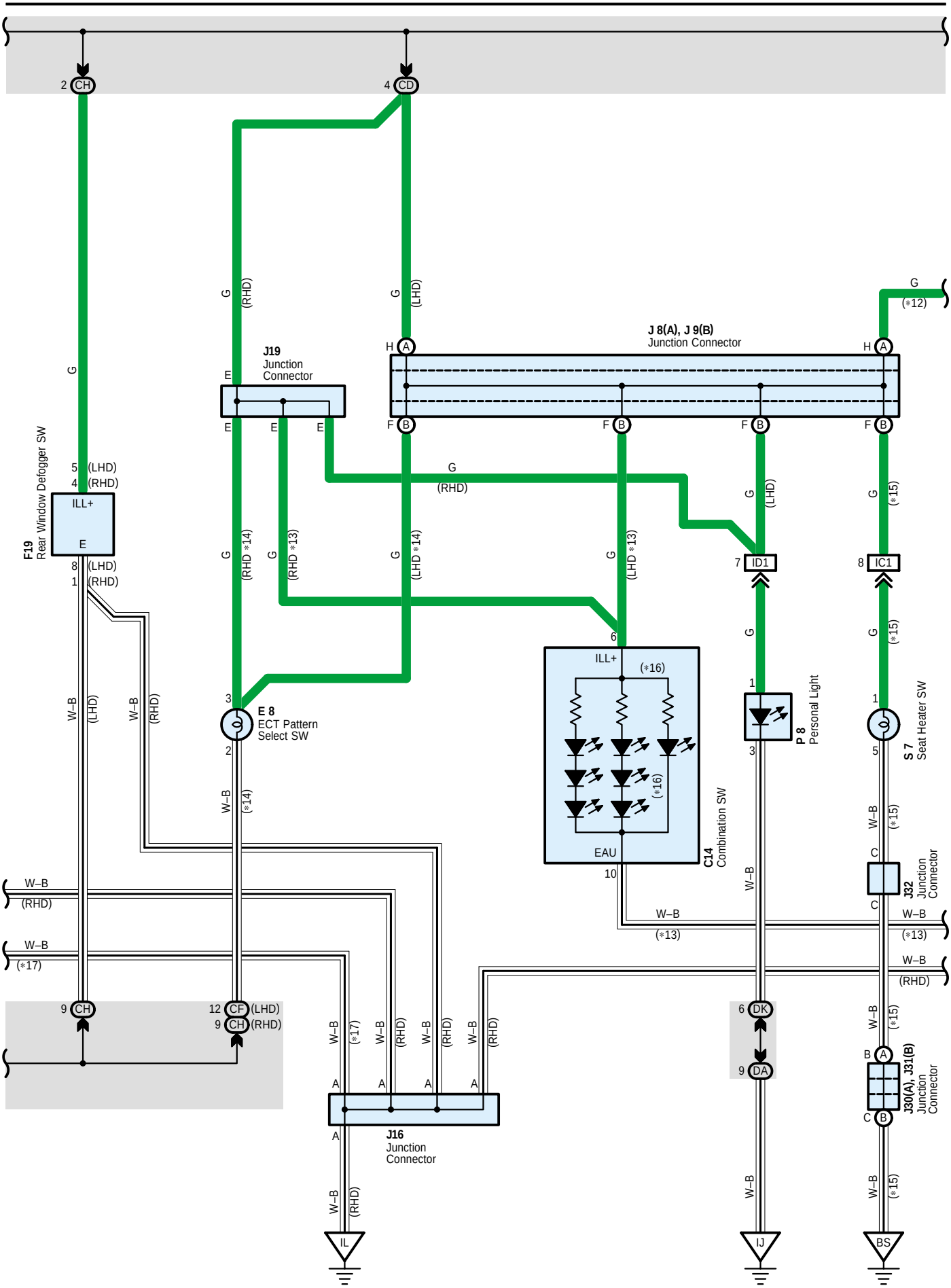
2 CH
4 CD
G (RHD)
G (LHD)
J19
Junction
Connector
J 8(A), J 9(B)
Junction Connector
G (*12)
F19
Rear Window Defogger SW
5 (LHD)
4 (RHD)
ILL+
E
8 (LHD)
1 (RHD)
G (RHD)
G (RHD *14)
G (RHD *13)
G (LHD *14)
G (LHD *13)
G (LHD)
G (*15)
7 ID1
8 IC1
E 8
ECT Pattern
Select SW
W–B (LHD)
W–B (RHD)
W–B (*14)
ILL+
(*16)
EAU
10
C14
Combination SW
P 8
Personal Light
S 7
Seat Heater SW
J32
Junction
Connector
W–B (RHD)
W–B (*17)
W–B (*13)
9 CH
12 CF (LHD)
9 CH (RHD)
W–B (*17)
W–B (RHD)
J16
Junction
Connector
6 DK
9 DA
J30(A), J31(B)
Junction
Connector
W–B (*15)
IL
IJ
BS

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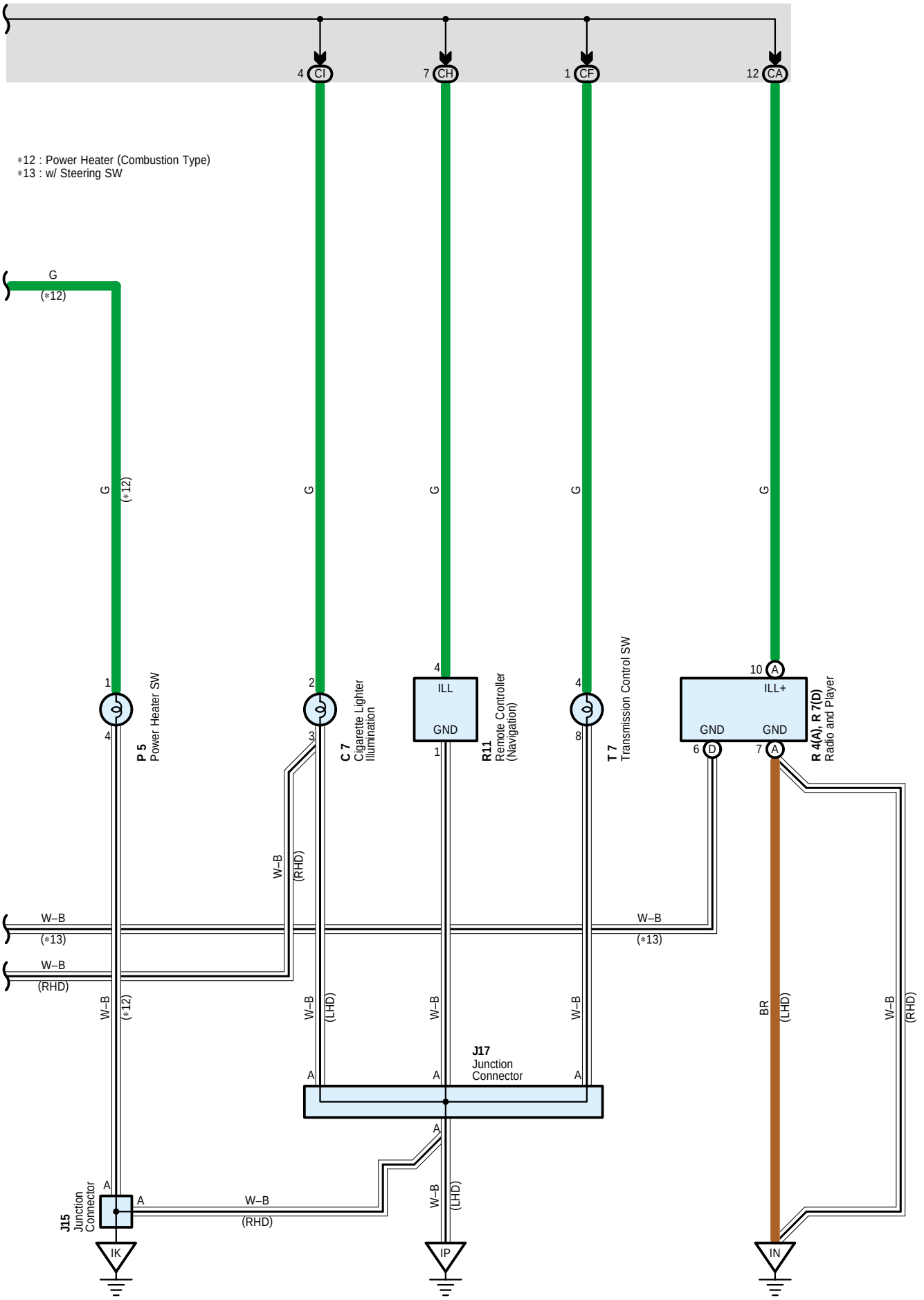
4 CI
7 CH
1 CF
12 CA
*12 : Power Heater (Combustion Type)
*13 : w/ Steering SW
G
(*12)
P 5
Power Heater SW
C 7
Cigarette Lighter Illumination
R11
Remote Controller (Navigation)
T 7
Transmission Control SW
R 4(A), R 7(D)
Radio and Player
ILL
GND
ILL+
W–B
(RHD)
(LHD)
(*13)
BR
J17
Junction Connector
J15
Junction Connector
IK
IP
IN

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Service Hints

C12 Combination SW

14–16 : Closed with the light control SW at TAIL or HEAD position

○ : Parts Location

Code		See Page
A13	A	46 (LHD)
		66 (RHD)
A16	B	46 (LHD)
		66 (RHD)
C7		46 (LHD)
		66 (RHD)
C10	A	46 (LHD)
		66 (RHD)
C11	B	46 (LHD)
		66 (RHD)
C12		46 (LHD)
		66 (RHD)
C14		46 (LHD)
		66 (RHD)
E8		47 (LHD)
		67 (RHD)
F19		47 (LHD)
		67 (RHD)
F20		47 (LHD)
G3		47 (LHD)
		67 (RHD)
H13		47 (LHD)
		67 (RHD)
H15		47 (LHD)

Code		See Page
H15		67 (RHD)
H16		47 (LHD)
		67 (RHD)
J8	A	48 (LHD)
J9	B	48 (LHD)
J10	A	48 (LHD)
J11	B	48 (LHD)
J15		48 (LHD)
		68 (RHD)
J16		48 (LHD)
		68 (RHD)
J17		48 (LHD)
		68 (RHD)
J19		68 (RHD)
J26	C	68 (RHD)
J30	A	51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)
J31	B	51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)

Code		See Page
J32		51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
M1		48 (LHD)
		68 (RHD)
P5		49 (LHD)
		69 (RHD)
P8		51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)
R4	A	49 (LHD)
		69 (RHD)
R7	D	49 (LHD)
		69 (RHD)
R11		49 (LHD)
		69 (RHD)
S7		49 (LHD)
T7		49 (LHD)
		69 (RHD)
T9		49 (LHD)
		69 (RHD)

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CE		
CF		
CG	35	
CH		
CI		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DJ		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2	86 (LHD)	
	106 (RHD)	
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
	106 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
	106 (RHD)	
IN	86 (LHD)	Instrument Panel Reinforcement Center
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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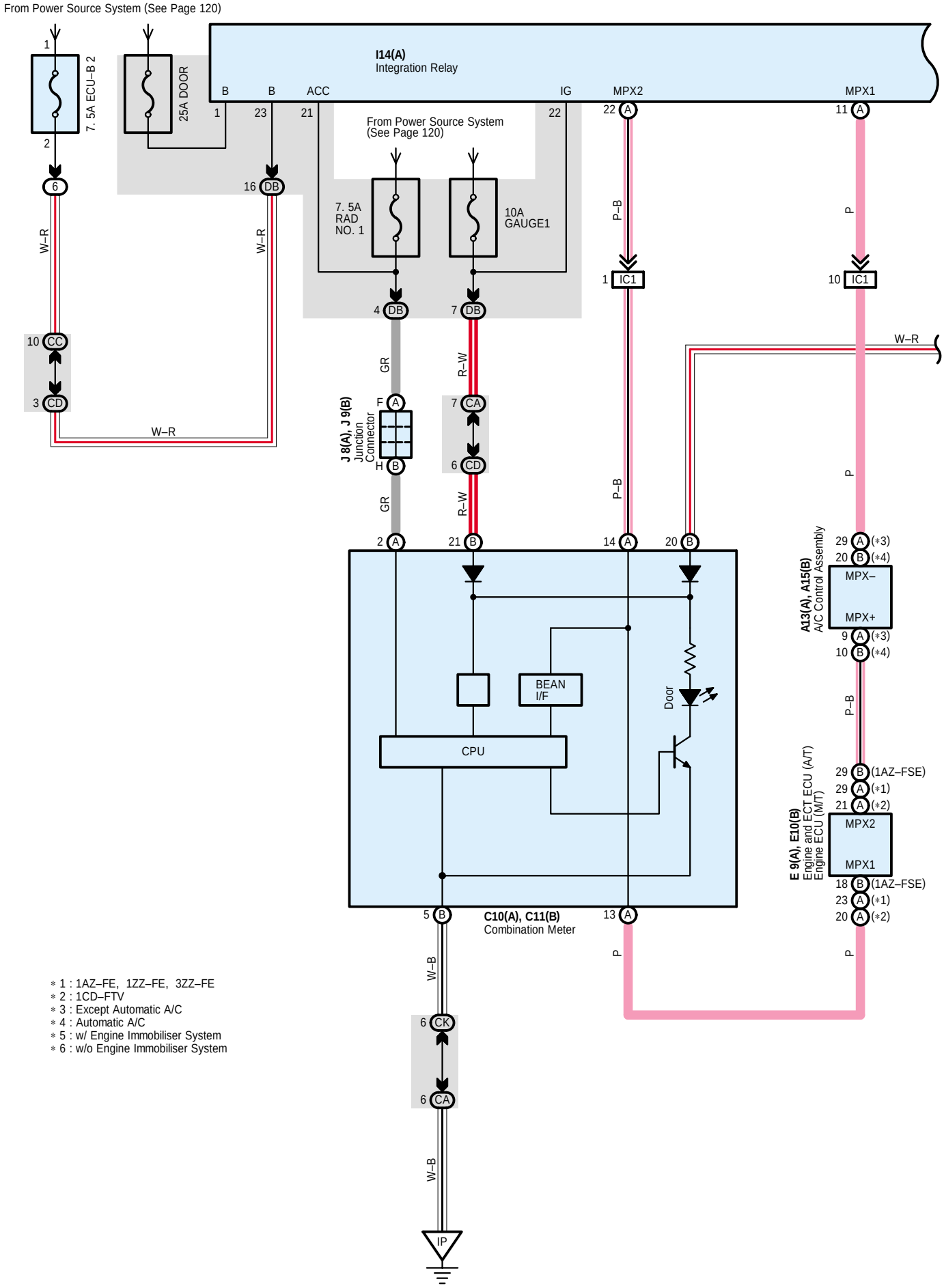
Interior Light (LHD)



* 1 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 2 : 1CD–FTV
* 3 : Except Automatic A/C
* 4 : Automatic A/C
* 5 : w/ Engine Immobiliser System
* 6 : w/o Engine Immobiliser System

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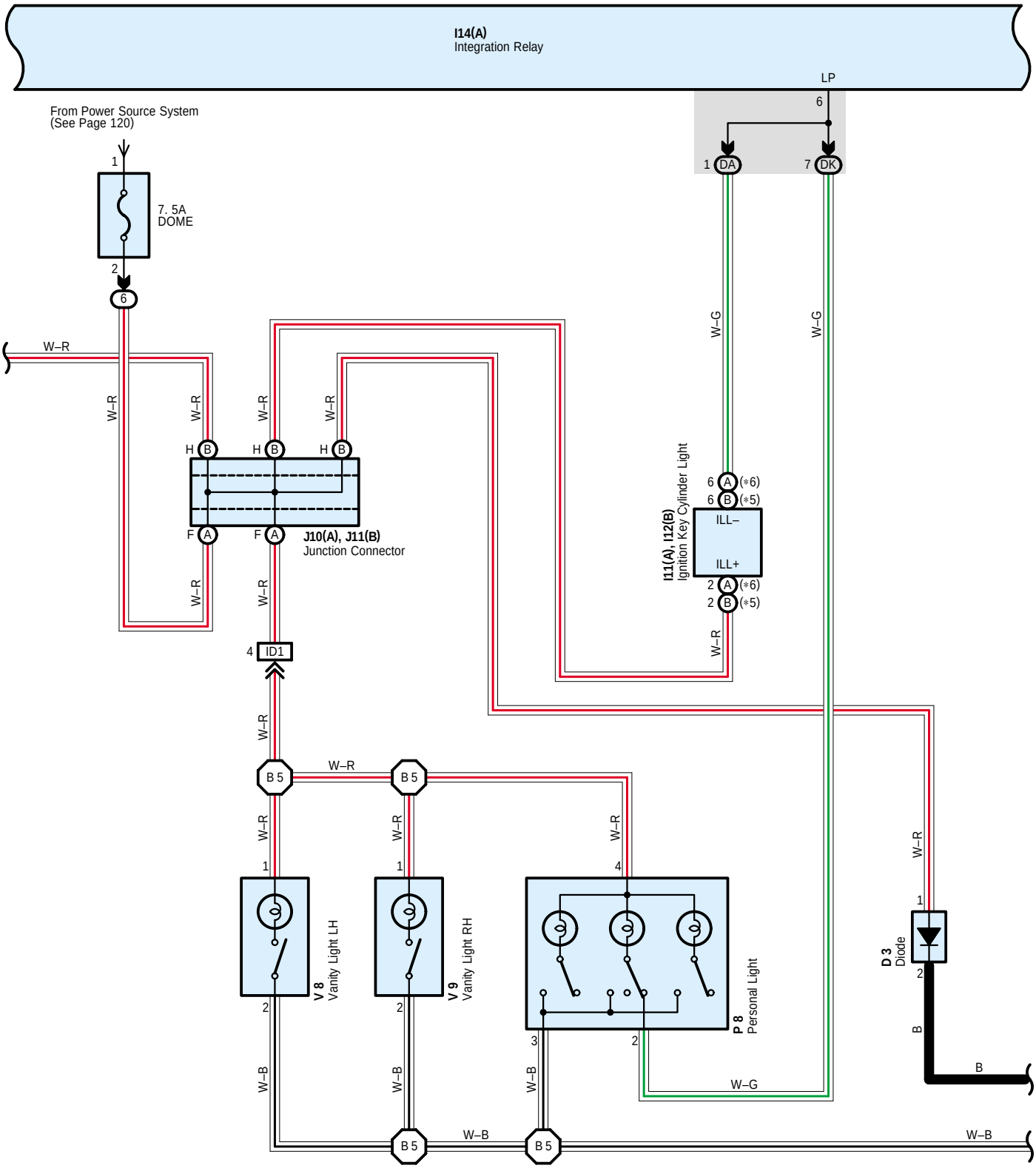
I14(A)
Integration Relay
LP
6
1 DA
7 DK
From Power Source System
(See Page 120)
1
7. 5A
DOME
2
6
W–R
W–G
H B
F A
J10(A), J11(B)
Junction Connector
I11(A), I12(B)
Ignition Key Cylinder Light
6 A (*6)
6 B (*5)
ILL–
ILL+
2 A (*6)
2 B (*5)
4 ID1
B 5
V 8
Vanity Light LH
V 9
Vanity Light RH
P 8
Personal Light
D 3
Diode
W–B
B

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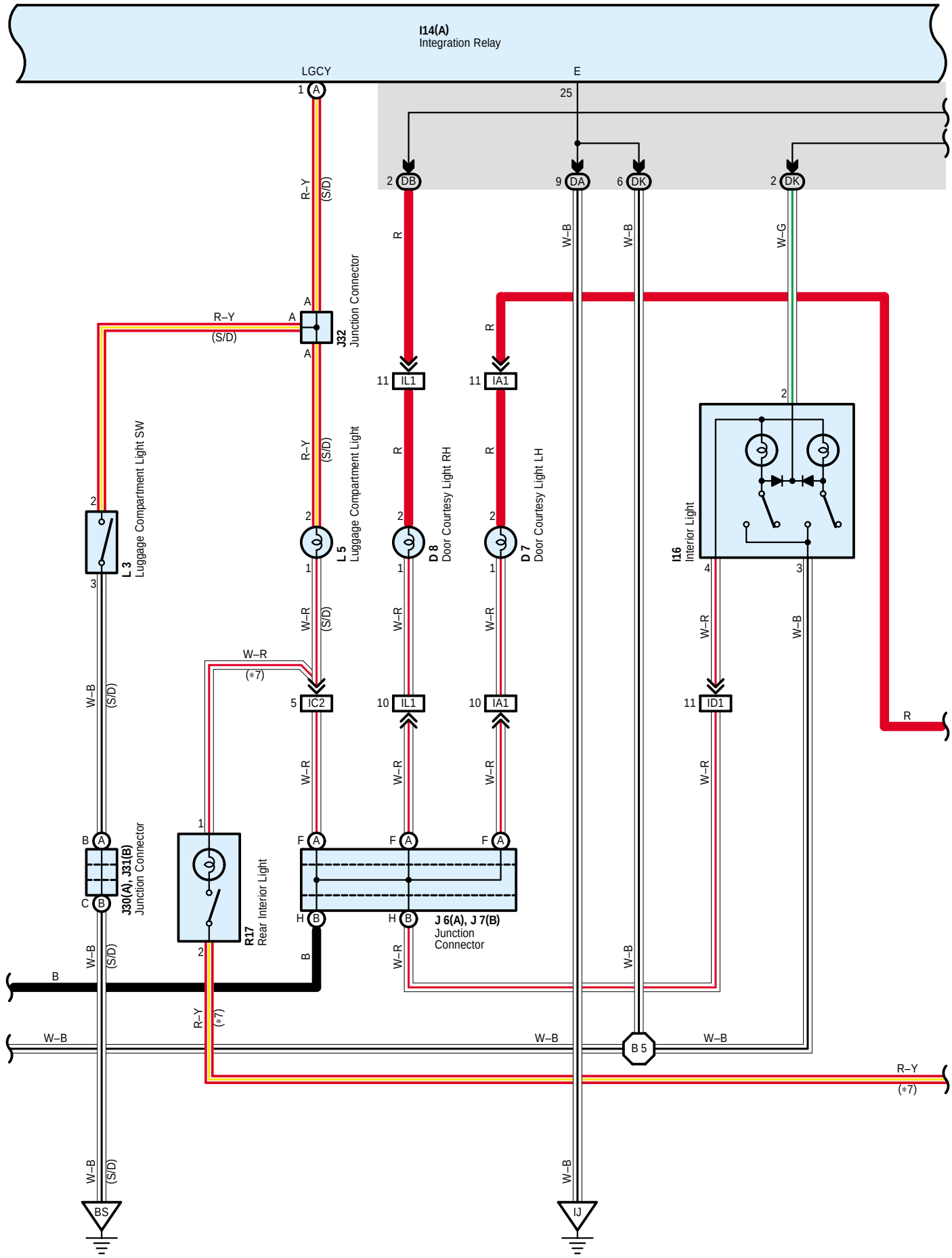
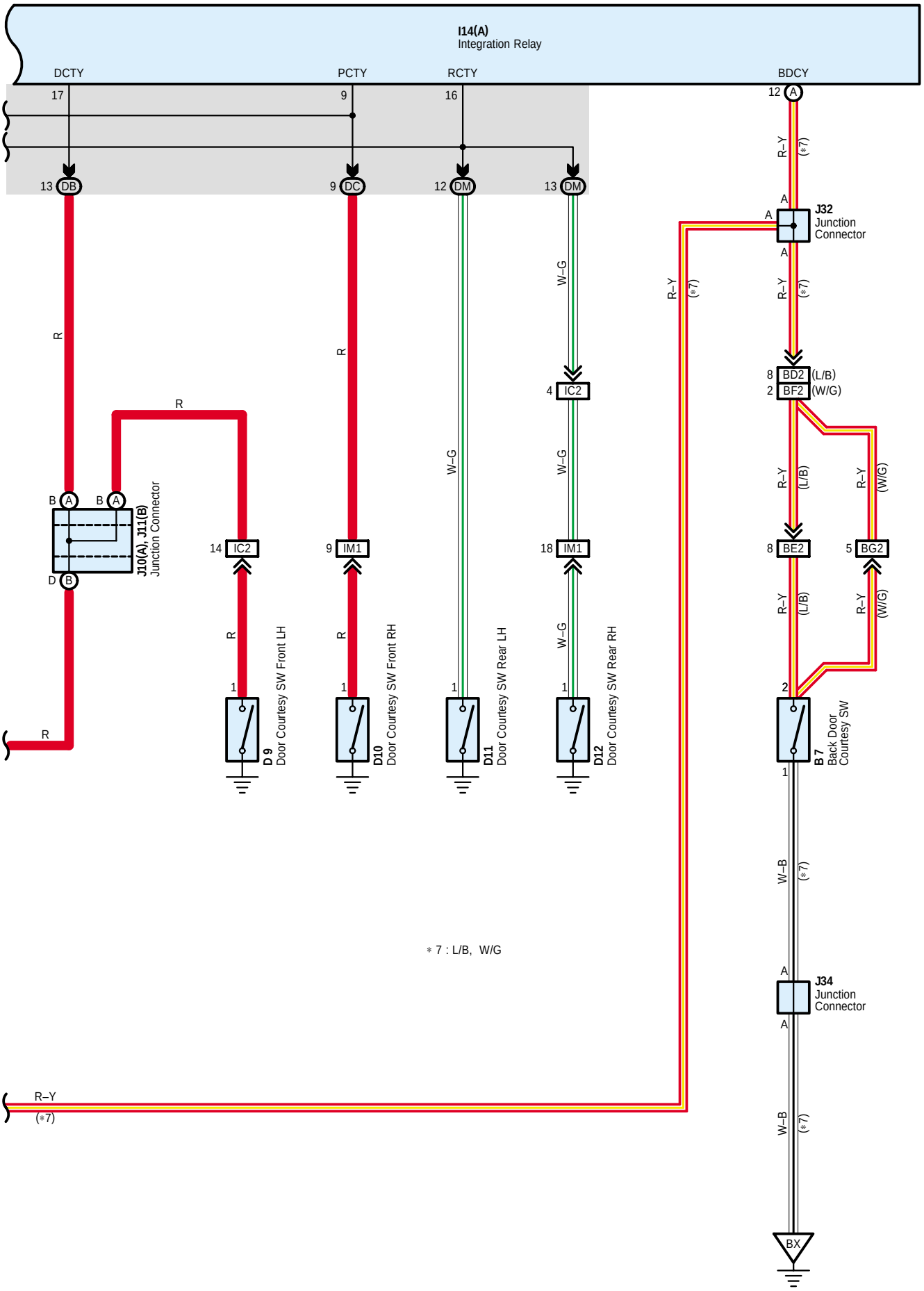
Interior Light (LHD)



http://vnx.su


I14(A)
Integration Relay
DCTY
PCTY
RCTY
BDCY
17
9
16
12
13 DB
9 DC
12 DM
13 DM
R–Y (*7)
J32
Junction Connector
W–G
R
R–Y (*7)
4 IC2
8 BD2 (L/B)
2 BF2 (W/G)
R–Y (L/B)
R–Y (W/G)
B A B A
J10(A), J11(B)
Junction Connector
D B
14 IC2
9 IM1
18 IM1
8 BE2
5 BG2
D 9
Door Courtesy SW Front LH
D10
Door Courtesy SW Front RH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
B 7
Back Door Courtesy SW
W–B (*7)
J34
Junction Connector
BX
* 7 : L/B, W/G
R–Y
(*7)

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Interior Light (LHD)

System Outline

Illuminated Entry System

1. Light on Condition

The light comes on when either of the following conditions is met:

- When any of the doors is open (Except the luggage compartment door (S/D) or back door (L/B, W/G)).
- When all doors are closed and the ignition SW is set to OFF.

2. Light off Condition

The light gradually goes off when any of the following conditions is met (The dome light must be turned on):

- When the ignition SW is kept in the ON position for more than approximately 12 to 18 seconds after all doors are closed.
- When all doors are closed and the driver's and front passenger's side doors are locked.
- When all doors are closed and the ignition SW is set to ACC or ON.

Service Hints

D9, D10, D11, D12 Door Courtesy SW Front LH, RH, Rear LH, RH

1–Ground : Continuity with the door open

Integration Relay

1–Ground : Always approx. 12 volts
23–Ground : Always approx. 12 volts
22–Ground : Approx. 12 volts with the ignition SW at ON position
25–Ground : Always continuity

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	46 (LHD)	D11		52 (LHD L/B)	J31	B	51 (LHD S/D)
A15	B	46 (LHD)			54 (LHD W/G)	J32		51 (LHD S/D)
B7		52 (LHD L/B)	D12		50 (LHD S/D)			53 (LHD L/B)
		54 (LHD W/G)			52 (LHD L/B)			55 (LHD W/G)
C10	A	46 (LHD)			54 (LHD W/G)	J34		53 (LHD L/B)
C11	B	46 (LHD)	E9	A	47 (LHD)			55 (LHD W/G)
D3		47 (LHD)	E10	B	47 (LHD)	L3		51 (LHD S/D)
D7		50 (LHD S/D)	I11	A	47 (LHD)	L5		51 (LHD S/D)
		52 (LHD L/B)	I12	B	47 (LHD)	P8		51 (LHD S/D)
		54 (LHD W/G)	I14	A	47 (LHD)			53 (LHD L/B)
D8		50 (LHD S/D)	I16		50 (LHD S/D)			55 (LHD W/G)
		52 (LHD L/B)			52 (LHD L/B)	R17		53 (LHD L/B)
		54 (LHD W/G)			54 (LHD W/G)			55 (LHD W/G)
D9		50 (LHD S/D)	J6	A	48 (LHD)	V8		51 (LHD S/D)
		52 (LHD L/B)	J7	B	48 (LHD)			53 (LHD L/B)
		54 (LHD W/G)	J8	A	48 (LHD)			55 (LHD W/G)
D10		50 (LHD S/D)	J9	B	48 (LHD)	V9		51 (LHD S/D)
		52 (LHD L/B)	J10	A	48 (LHD)			53 (LHD L/B)
		54 (LHD W/G)	J11	B	48 (LHD)			55 (LHD W/G)
D11		50 (LHD S/D)	J30	A	51 (LHD S/D)			

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

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: **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
BD2	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

: **Ground Points**

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
IP	86 (LHD)	Right Kick Panel
BS	90 (LHD S/D)	Lower Back Panel Left
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	

: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B5	90 (LHD S/D)	Roof Wire	B5	94 (LHD W/G)	Roof Wire
	92 (LHD L/B)				

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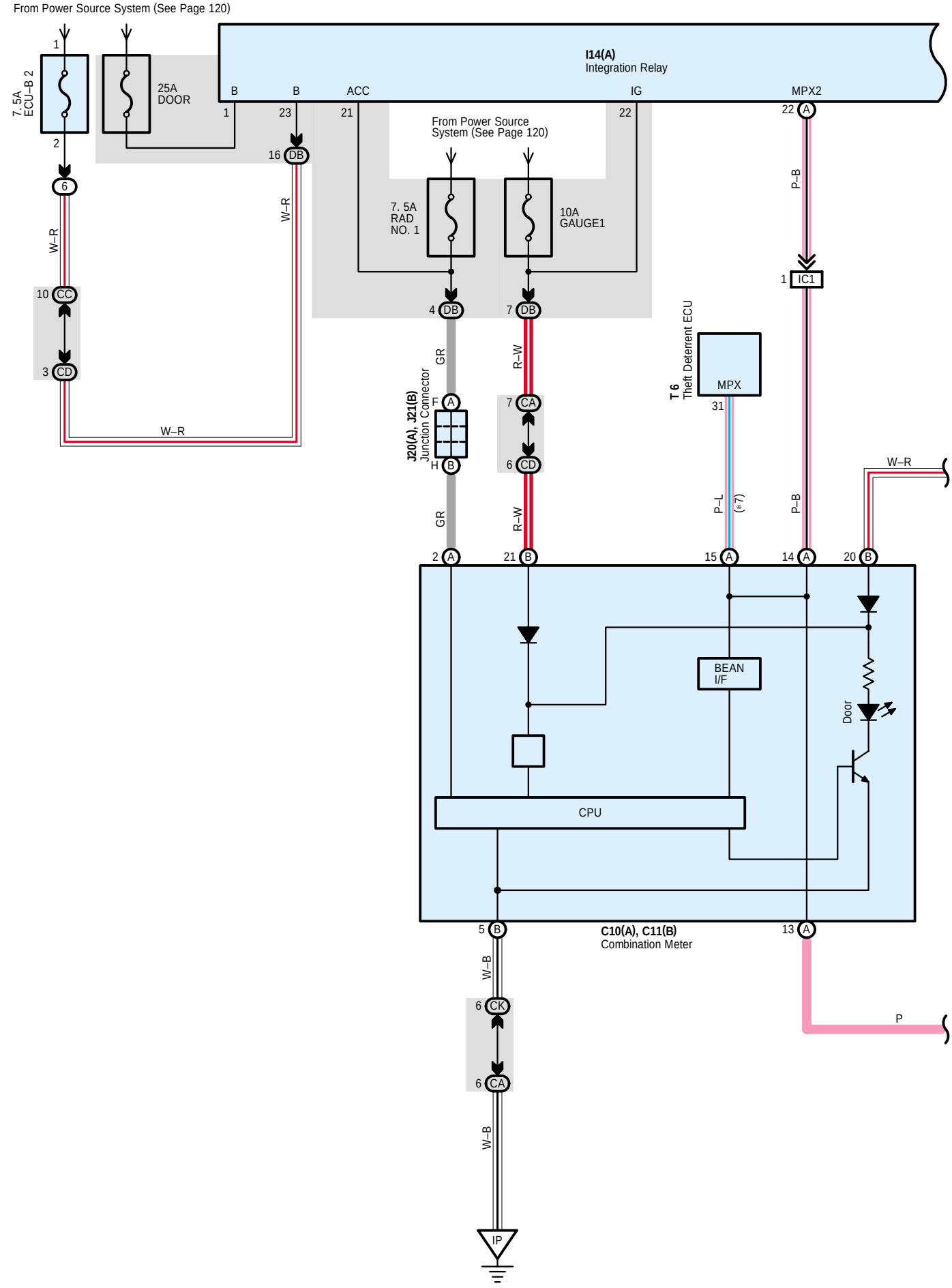
Interior Light (RHD)



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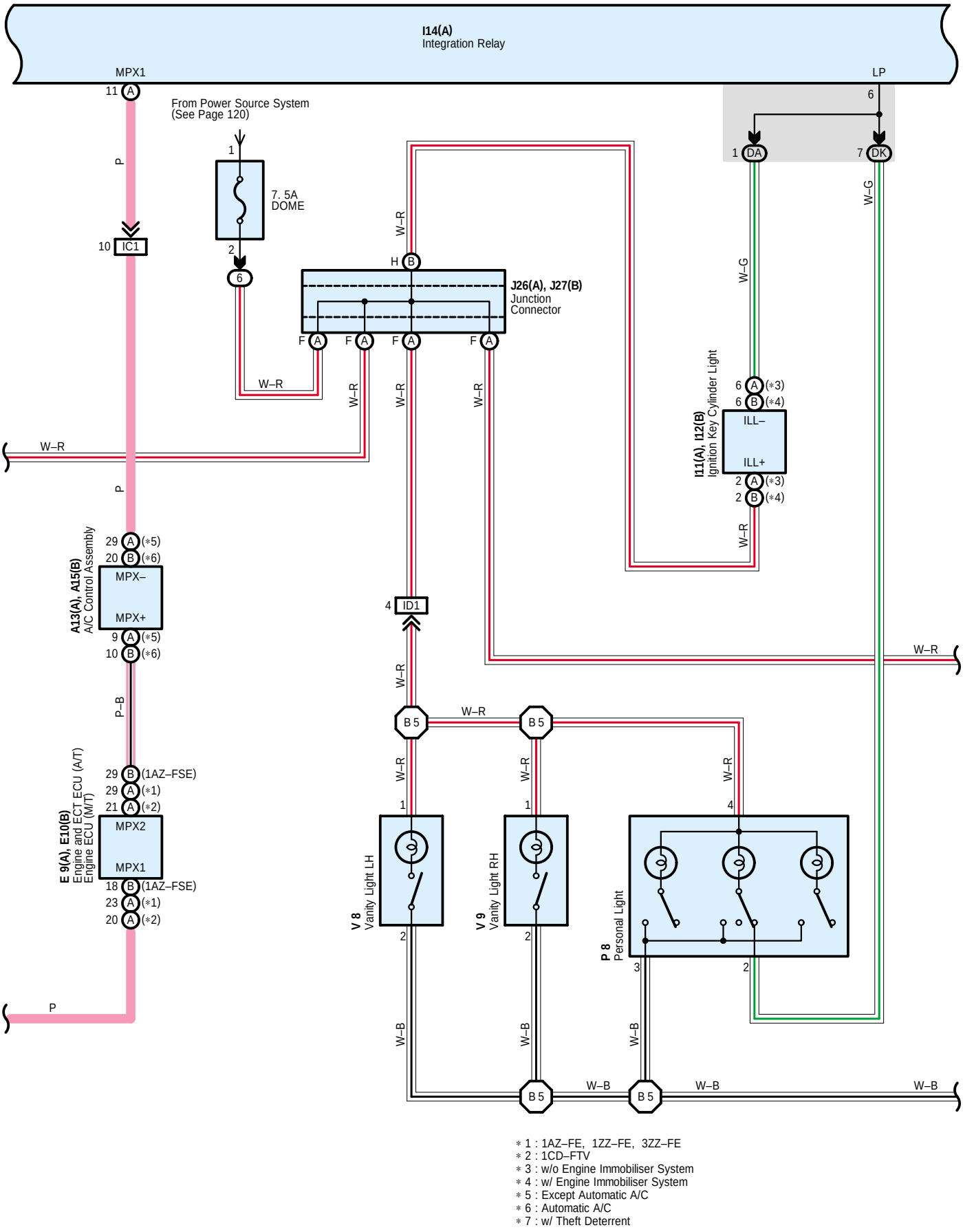

* 1 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 2 : 1CD–FTV
* 3 : w/o Engine Immobiliser System
* 4 : w/ Engine Immobiliser System
* 5 : Except Automatic A/C
* 6 : Automatic A/C
* 7 : w/ Theft Deterrent

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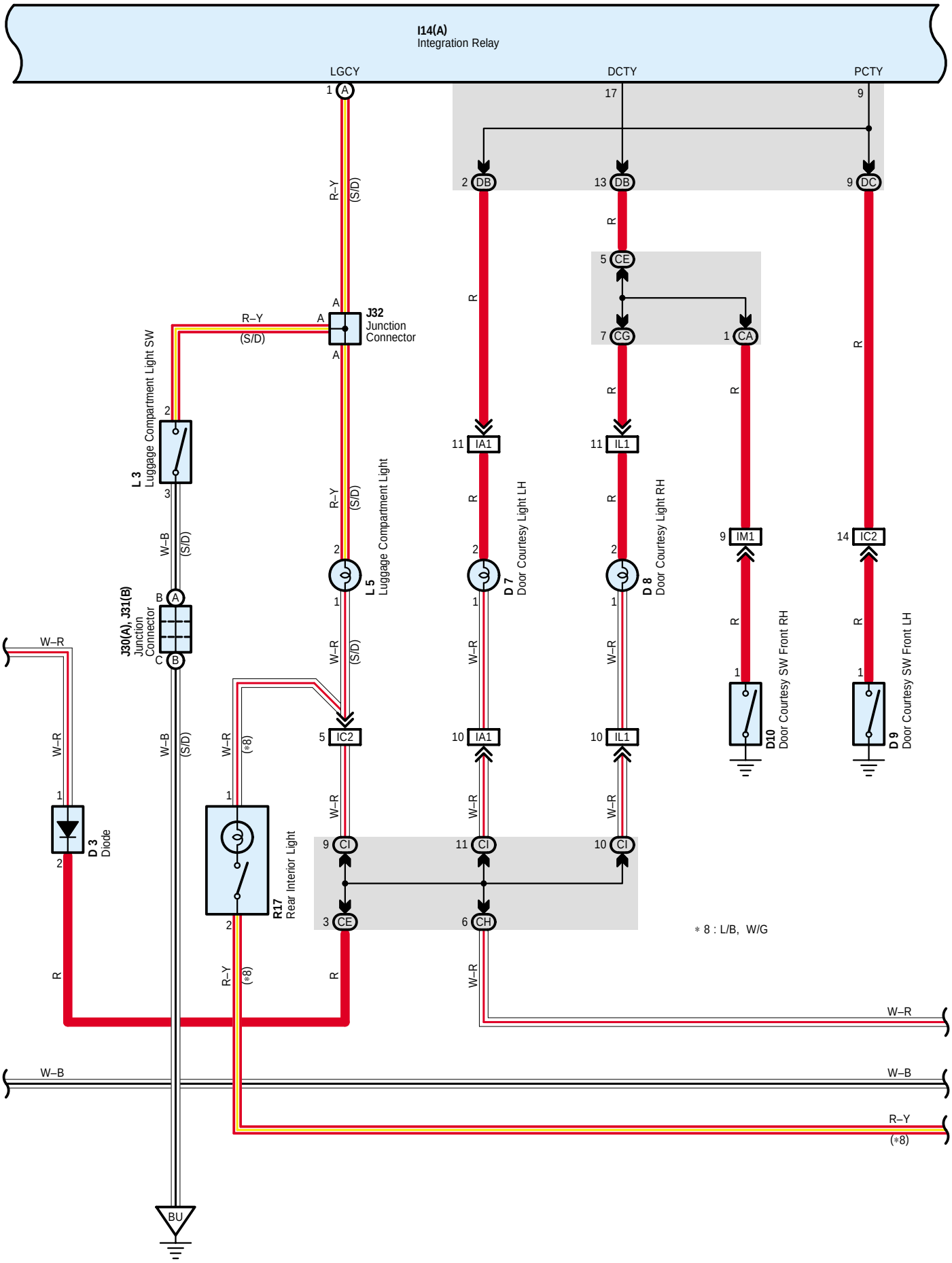
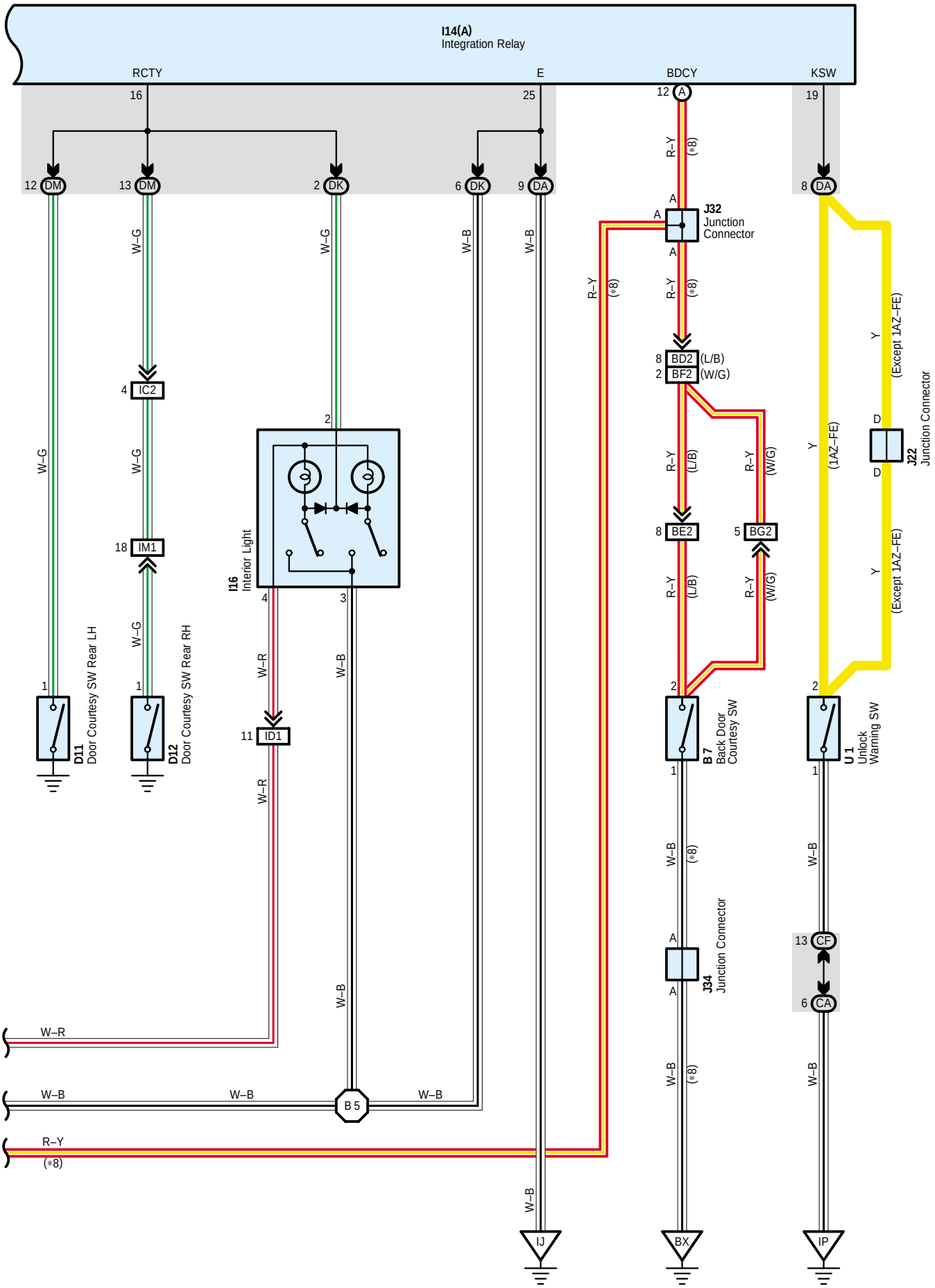
Interior Light (RHD)



http://vnx.su


I14(A)
Integration Relay
RCTY
E
BDCY
KSW
16
25
12 A
19
12 DM
13 DM
2 DK
6 DK
9 DA
8 DA
R–Y
(*8)
A
J32
Junction
Connector
A
A
R–Y
(*8)
R–Y
(*8)
W–G
W–G
W–G
W–B
W–B
Y
(Except 1AZ–FE)
D
J22
Junction Connector
D
Y
(1AZ–FE)
8 BD2 (L/B)
2 BF2 (W/G)
4 IC2
2
18 IM1
I16
Interior Light
4
3
R–Y
(L/B)
R–Y
(W/G)
8 BE2
5 BG2
R–Y
(L/B)
R–Y
(W/G)
Y
(Except 1AZ–FE)
W–G
W–G
W–G
W–R
W–B
2
2
1
1
1
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
B7
Back Door
Courtesy SW
U1
Unlock
Warning SW
11 ID1
W–R
W–B
W–B
1
1
W–B
(*8)
13 CF
A
A
J34
Junction Connector
6 CA
W–R
W–B
W–B
B 5
W–B
W–B
(*8)
W–B
R–Y
(*8)
W–B
IJ
BX
IP

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Interior Light (RHD)

System Outline

Illuminated Entry System

1. Light on Condition

The light comes on when either of the following conditions is met:

- When any of the doors is open (Except the luggage compartment door (S/D) or back door (L/B, W/G)).
- When all doors are closed and the ignition SW is set to OFF.

2. Light off Condition

The light gradually goes off when any of the following conditions is met (The dome light must be turned on):

- When the ignition SW is kept in the ON position for more than approximately 12 to 18 seconds after all doors are closed.
- When all doors are closed and the driver's and front passenger's side doors are locked.
- When all doors are closed and the ignition SW is set to ACC or ON.

Service Hints

D9, D10, D11, D12 Door Courtesy SW Front LH, RH, Rear LH, RH

1–Ground : Continuity with the door open

Integration Relay

1–Ground : Always approx. 12 volts
23–Ground : Always approx. 12 volts
22–Ground : Approx. 12 volts with the ignition SW at ON position
25–Ground : Always continuity

○ : Parts Location

Code		See Page	Code		See Page	Code	See Page
A13	A	66 (RHD)	D11		72 (RHD L/B)	J32	71 (RHD S/D)
A15	B	66 (RHD)			74 (RHD W/G)		73 (RHD L/B)
B7		72 (RHD L/B)	D12		70 (RHD S/D)		75 (RHD W/G)
		74 (RHD W/G)			72 (RHD L/B)	J34	73 (RHD L/B)
C10	A	66 (RHD)			74 (RHD W/G)		75 (RHD W/G)
C11	B	66 (RHD)	E9	A	67 (RHD)	L3	71 (RHD S/D)
D3		67 (RHD)	E10	B	67 (RHD)	L5	71 (RHD S/D)
D7		70 (RHD S/D)	I11	A	67 (RHD)	P8	71 (RHD S/D)
		72 (RHD L/B)	I12	B	67 (RHD)		73 (RHD L/B)
		74 (RHD W/G)	I14	A	67 (RHD)		75 (RHD W/G)
D8		70 (RHD S/D)	I16		70 (RHD S/D)	R17	73 (RHD L/B)
		72 (RHD L/B)			72 (RHD L/B)		75 (RHD W/G)
		74 (RHD W/G)			74 (RHD W/G)	T6	69 (RHD)
D9		70 (RHD S/D)	J20	A	68 (RHD)	U1	69 (RHD)
		72 (RHD L/B)	J21	B	68 (RHD)	V8	71 (RHD S/D)
		74 (RHD W/G)	J22		68 (RHD)		73 (RHD L/B)
D10		70 (RHD S/D)	J26	A	68 (RHD)		75 (RHD W/G)
		72 (RHD L/B)	J27	B	68 (RHD)	V9	71 (RHD S/D)
		74 (RHD W/G)	J30	A	71 (RHD S/D)		73 (RHD L/B)
D11		70 (RHD S/D)	J31	B	71 (RHD S/D)		75 (RHD W/G)

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CE		
CF		
CG	35	
CH		
CI		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	106 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IC1	106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
ID1	106 (RHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IL1	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
BD2	112 (RHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	112 (RHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	114 (RHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	114 (RHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

: Ground Points

Code	See Page	Ground Points Location
IJ	106 (RHD)	Left Kick Panel
IP	106 (RHD)	Right Kick Panel
BU	110 (RHD S/D)	Under the Right Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BX	112 (RHD L/B)	Right Side of the Back Door
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B5	110 (RHD S/D)	Roof Wire	B5	114 (RHD W/G)	Roof Wire
	112 (RHD L/B)				

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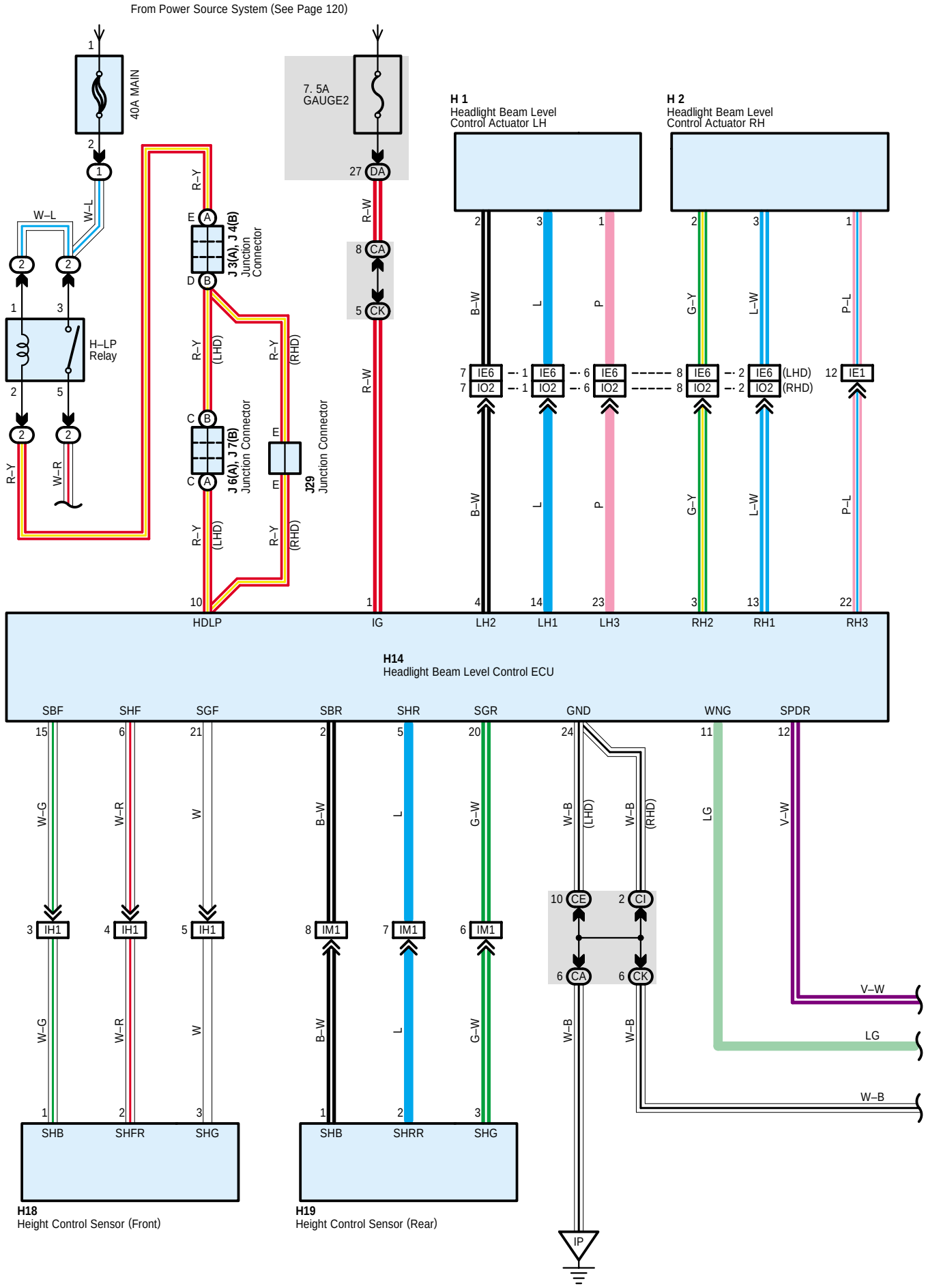
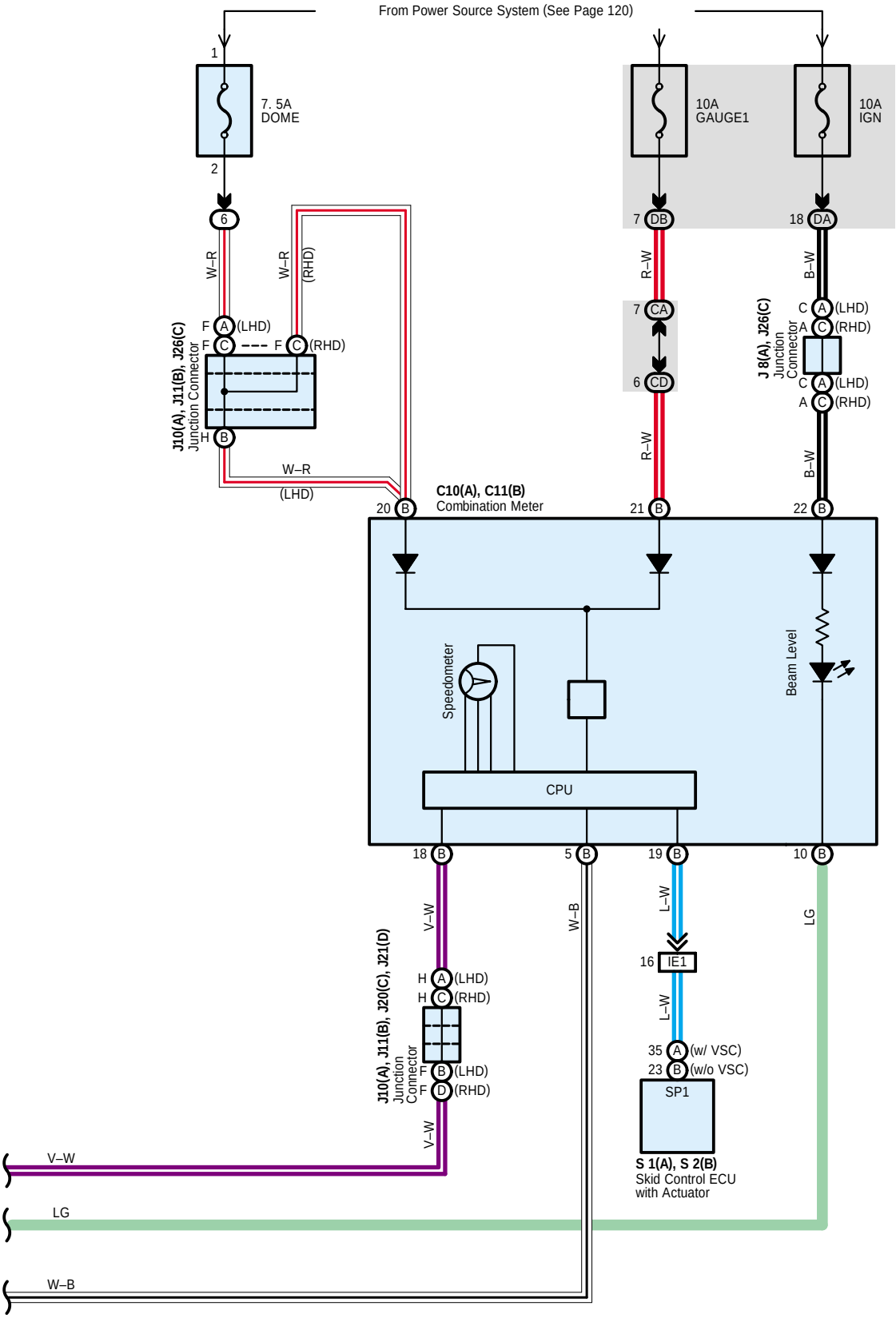
Headlight Beam Level Control (w/ HID)



http://vnx.su


From Power Source System (See Page 120)
1
7. 5A
DOME
2
10A
GAUGE1
10A
IGN
6
7 DB
18 DA
W–R
W–R
(RHD)
R–W
B–W
7 CA
6 CD
J10(A), J11(B), J26(C)
Junction Connector
F A (LHD)
F C (RHD)
H B
W–R
(LHD)
J 8(A), J26(C)
Junction Connector
C A (LHD)
A C (RHD)
C10(A), C11(B)
Combination Meter
20 B
21 B
22 B
Speedometer
Beam Level
CPU
18 B
5 B
19 B
10 B
V–W
W–B
L–W
LG
J10(A), J11(B), J20(C), J21(D)
Junction Connector
H A (LHD)
H C (RHD)
F B (LHD)
F D (RHD)
16 IE1
35 A (w/ VSC)
23 B (w/o VSC)
SP1
S 1(A), S 2(B)
Skid Control ECU
with Actuator
V–W
LG
W–B

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Headlight Beam Level Control (w/ HID)

System Outline

This system automatically adjusts the optic axis of the headlights according to the posture of the car at rest to prevent glare to oncoming cars, and ensures the maximum irradiation range of the headlights.

Service Hints

H14 Headlight Beam Level Control ECU

IG–Ground : Approx. 12 volts with the ignition SW at ON position
GND–Ground : Always continuity

: Parts Location

Code		See Page	Code		See Page	Code		See Page
C10	A	46 (LHD)	H2		64 (*10)	J8	A	48 (LHD)
		66 (RHD)	H14		47 (LHD)	J10	A	48 (LHD)
C11	B	46 (LHD)			67 (RHD)	J11	B	48 (LHD)
		66 (RHD)	H18		47 (LHD)	J20	C	68 (RHD)
H1		38 (*3)			67 (RHD)	J21	D	68 (RHD)
		40 (*4)	H19		50 (LHD S/D)	J26	C	68 (RHD)
		42 (*5)			52 (LHD L/B)	J29		68 (RHD)
		44 (*6)			54 (LHD W/G)	S1	A	39 (*3)
		58 (*7)			70 (RHD S/D)			45 (*6)
		62 (*9)			72 (RHD L/B)			59 (*7)
		64 (*10)			74 (RHD W/G)			65 (*10)
H2		38 (*3)	J3	A	48 (LHD)	S2	B	41 (*4)
		40 (*4)			68 (RHD)			43 (*5)
		42 (*5)	J4	B	48 (LHD)			45 (*6)
		44 (*6)			68 (RHD)			63 (*9)
		58 (*7)	J6	A	48 (LHD)			65 (*10)
		62 (*9)	J7	B	48 (LHD)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CE		
CI	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE6	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IH1	88 (LHD)	Floor No.3 Wire and Instrument Panel Wire (Instrument Panel Brace RH)
	106 (RHD)	
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	108 (RHD)	
IO2	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

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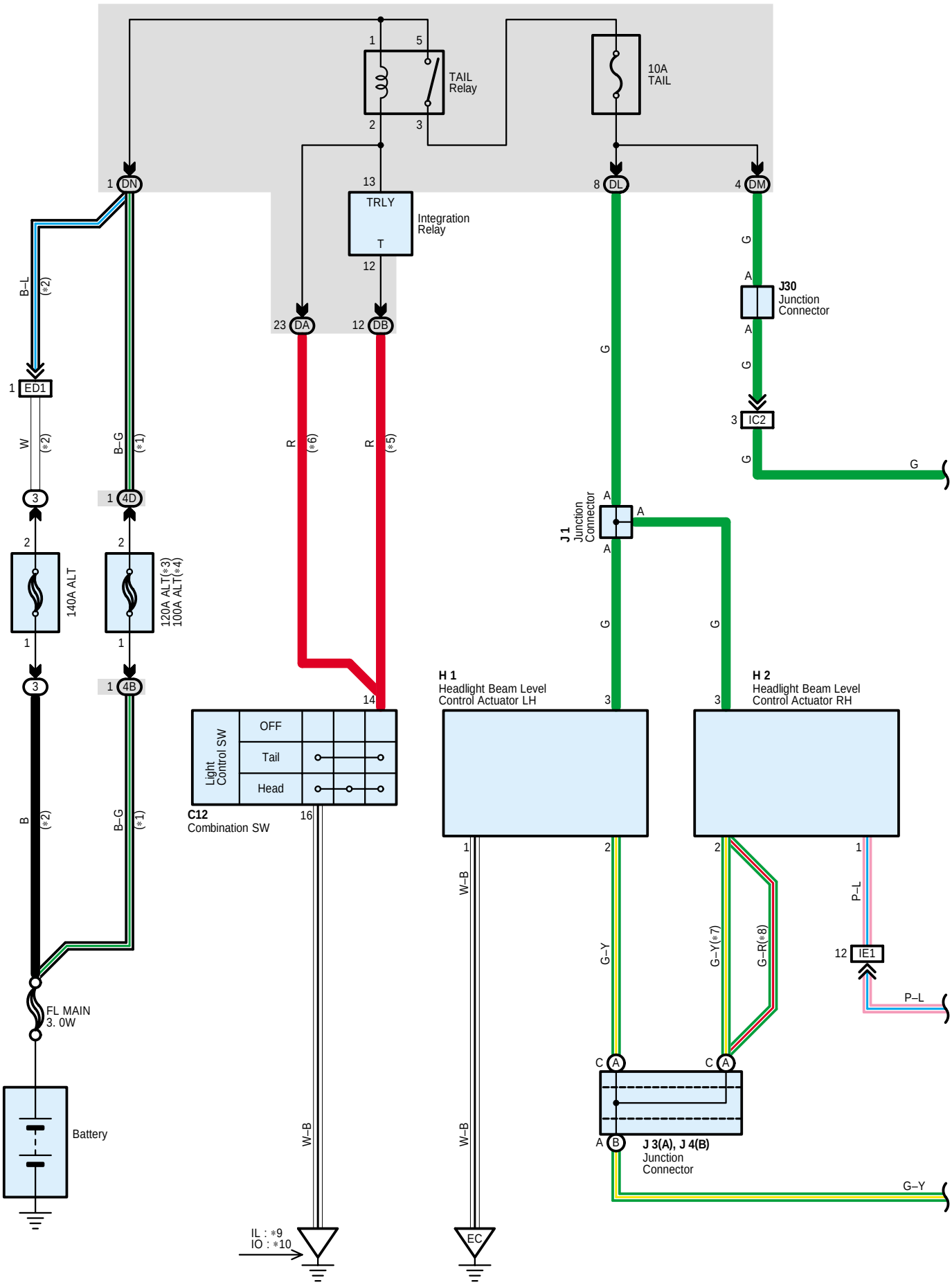
Headlight Beam Level Control (w/o HID)



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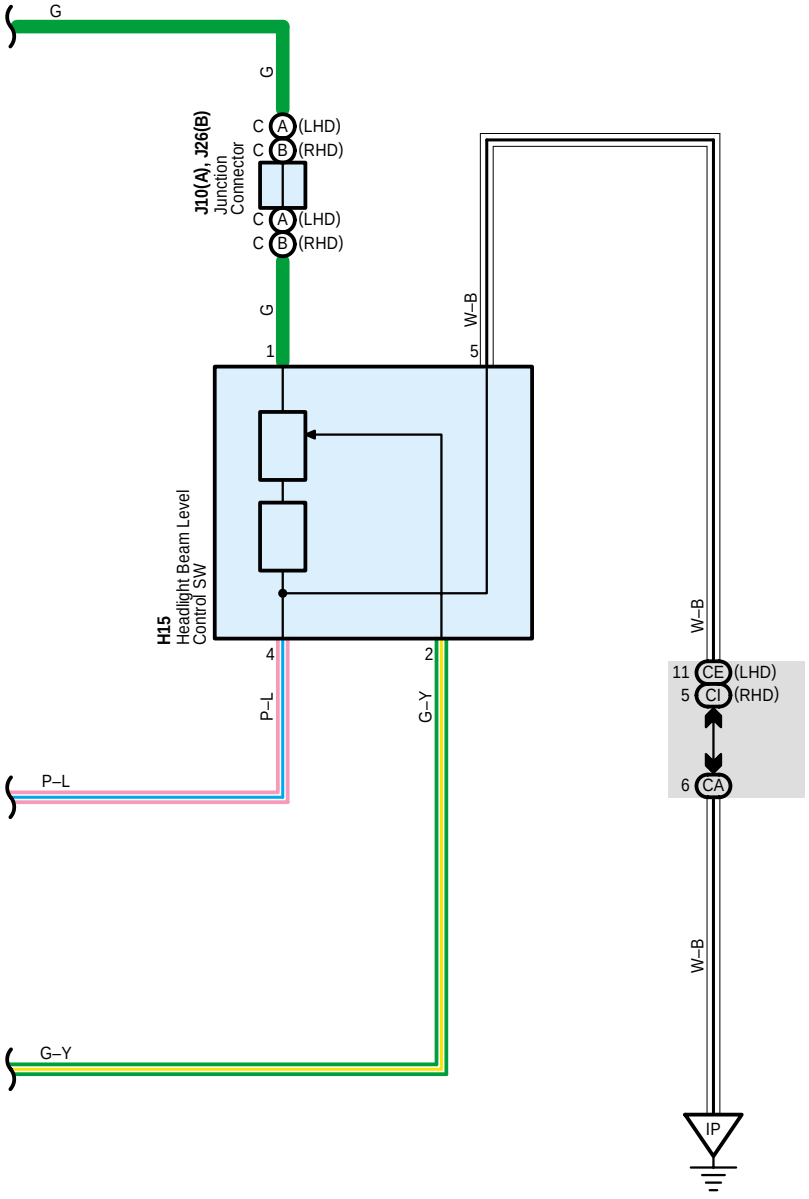
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : 1AZ–FSE, 1AZ–FE
∗ 4 : 1ZZ–FE, 3ZZ–FE
∗ 5 : w/ Daytime Running Light
∗ 6 : w/o Daytime Running Light
∗ 7 : Except RHD 1CD–FTV
∗ 8 : RHD 1CD–FTV
∗ 9 : LHD 1CD–FTV, RHD
∗10 : LHD Gasoline



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Headlight Beam Level Control (w/o HID)

Service Hints

H1, H2 Headlight Beam Level Control Actuator LH, RH

3–Ground : Approx. 12 volts with the light control SW at TAIL or HEAD position
1–Ground : Always continuity

H15 Headlight Beam Level Control SW

1–Ground : Approx. 12 volts with the light control SW at TAIL or HEAD position
5–Ground : Always continuity

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
C12	46 (LHD)	H2	58 (*7)	J3 A	68 (RHD)
	66 (RHD)		62 (*9)	J4 B	48 (LHD)
H1	38 (*3)		64 (*10)		68 (RHD)
	40 (*4)	H15	47 (LHD)	J10 A	48 (LHD)
	42 (*5)		67 (RHD)	J26 B	68 (RHD)
	44 (*6)	J1	39 (*3)	J30	51 (LHD S/D)
	58 (*7)		41 (*4)		53 (LHD L/B)
	62 (*9)		43 (*5)		55 (LHD W/G)
	64 (*10)		45 (*6)		71 (RHD S/D)
H2	38 (*3)		59 (*7)		73 (RHD L/B)
	40 (*4)		63 (*9)		75 (RHD W/G)
	42 (*5)		65 (*10)		
	44 (*6)	J3 A	48 (LHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CE		
CI	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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▽ : **Ground Points**

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	102 (*9)	
	104 (*10)	
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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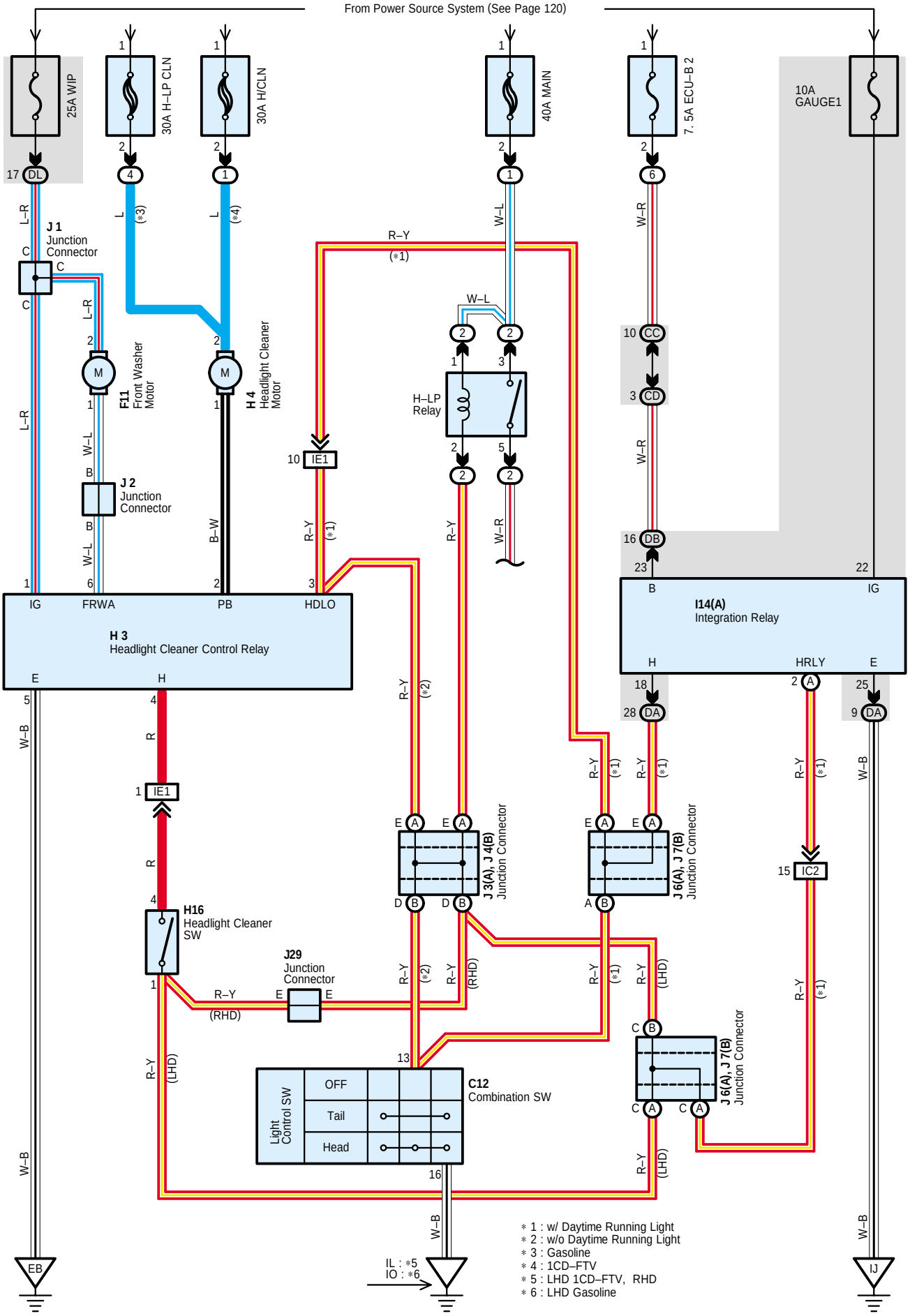
Headlight Cleaner (w/ HID)



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Service Hints

H3 Headlight Cleaner Control Relay

1–Ground : Approx. 12 volts with the ignition SW at ON position

5–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
C12	46 (LHD)	H4	38 (*3)	J1	63 (*9)
	66 (RHD)		40 (*4)		65 (*10)
F11	38 (*3)		42 (*5)	J2	39 (*3)
	40 (*4)		44 (*6)		41 (*4)
	42 (*5)		58 (*7)		43 (*5)
	44 (*6)		62 (*9)		45 (*6)
	58 (*7)		64 (*10)		59 (*7)
	62 (*9)	H16	47 (LHD)		63 (*9)
	64 (*10)		67 (RHD)		65 (*10)
H3	38 (*3)	I14 A	47 (LHD)	J3 A	48 (LHD)
	40 (*4)		67 (RHD)		68 (RHD)
	42 (*5)	J1	39 (*3)	J4 B	48 (LHD)
	44 (*6)		41 (*4)		68 (RHD)
	58 (*7)		43 (*5)	J6 A	48 (LHD)
	62 (*9)		45 (*6)	J7 B	48 (LHD)
	64 (*10)		59 (*7)	J29	68 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CC	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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Headlight Cleaner (w/ HID)

▽ : **Ground Points**

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	102 (*9)	
	104 (*10)	
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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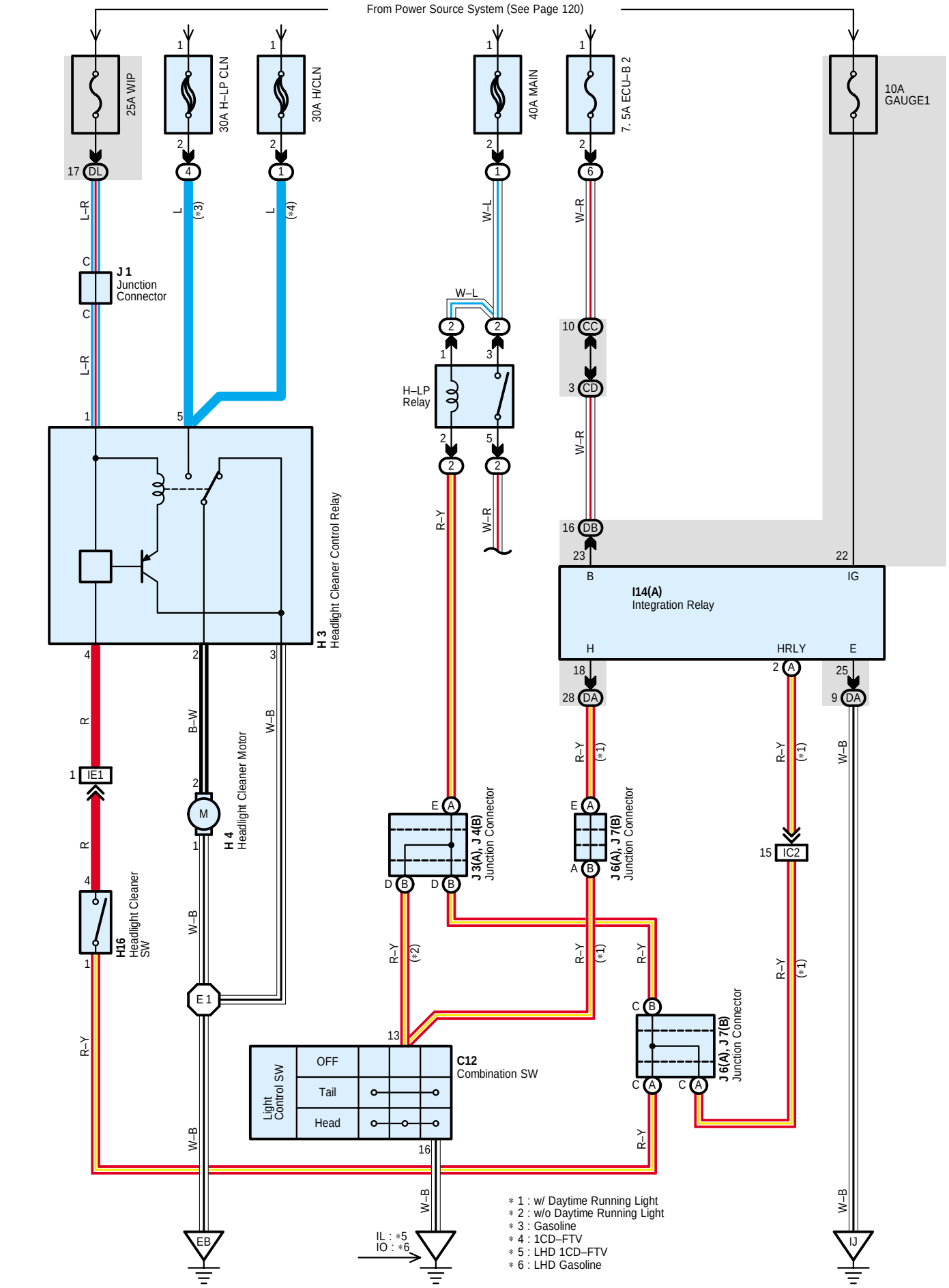
Headlight Cleaner (w/o HID)



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Service Hints

H3 Headlight Cleaner Control Relay

5–Ground : Always approx. 12 volts
1–Ground : Approx. 12 volts with the ignition SW at ON position
3–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
C12	46 (LHD)	H4	42 (*5)	J1	45 (*6)
H3	38 (*3)		44 (*6)	J3 A	48 (LHD
	40 (*4)	H16	47 (LHD)	J4 B	48 (LHD)
	42 (*5)	I14 A	47 (LHD)	J6 A	48 (LHD)
	44 (*6)	J1	39 (*3)	J7 B	48 (LHD)
H4	38 (*3)		41 (*4)		
	40 (*4)		43 (*5)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CC	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)

: Ground Points

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
IJ	86 (LHD)	Left Kick Panel
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	E1	82 (*5)	Engine Room Main Wire
	80 (*4)			84 (*6)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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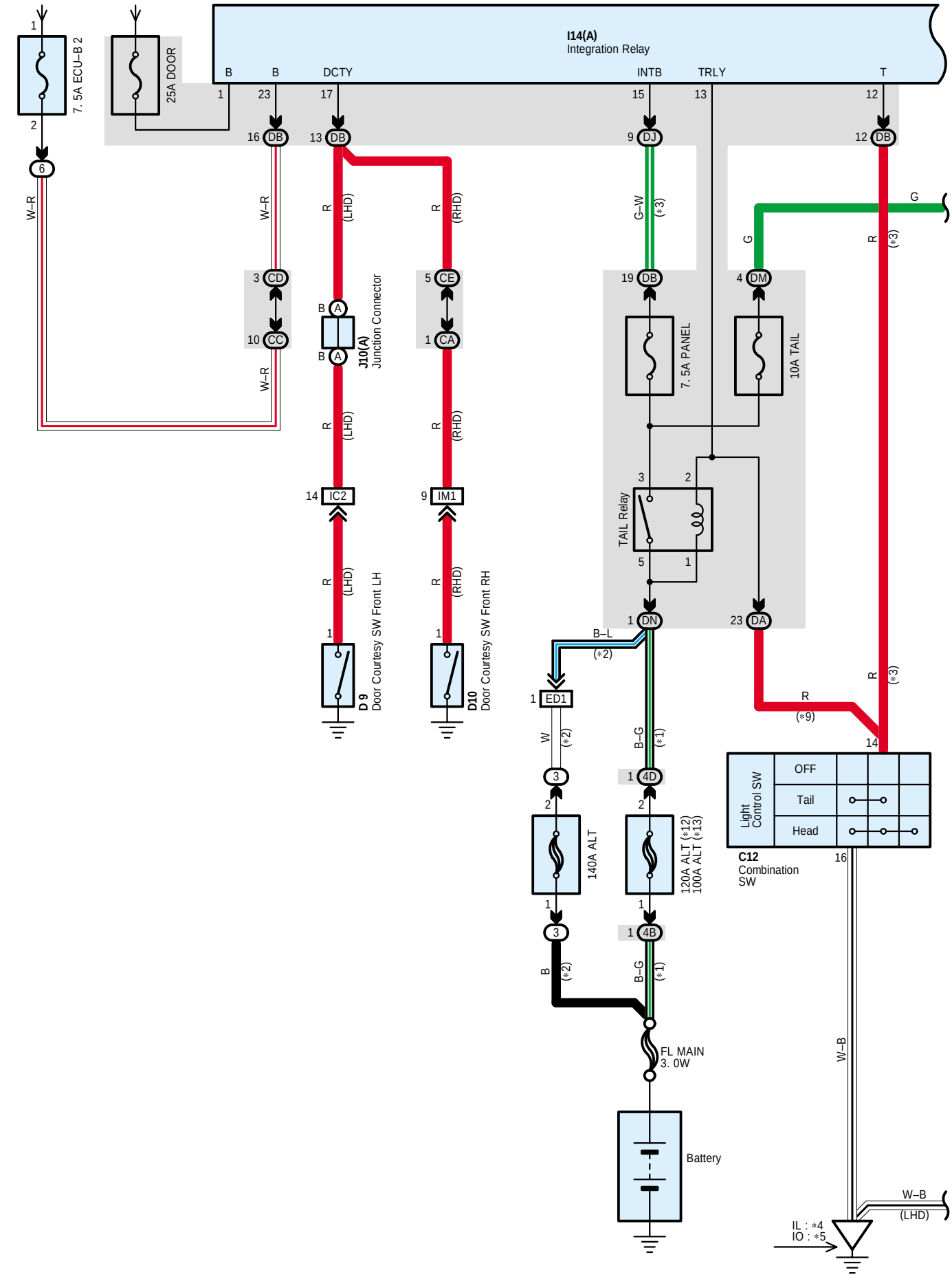
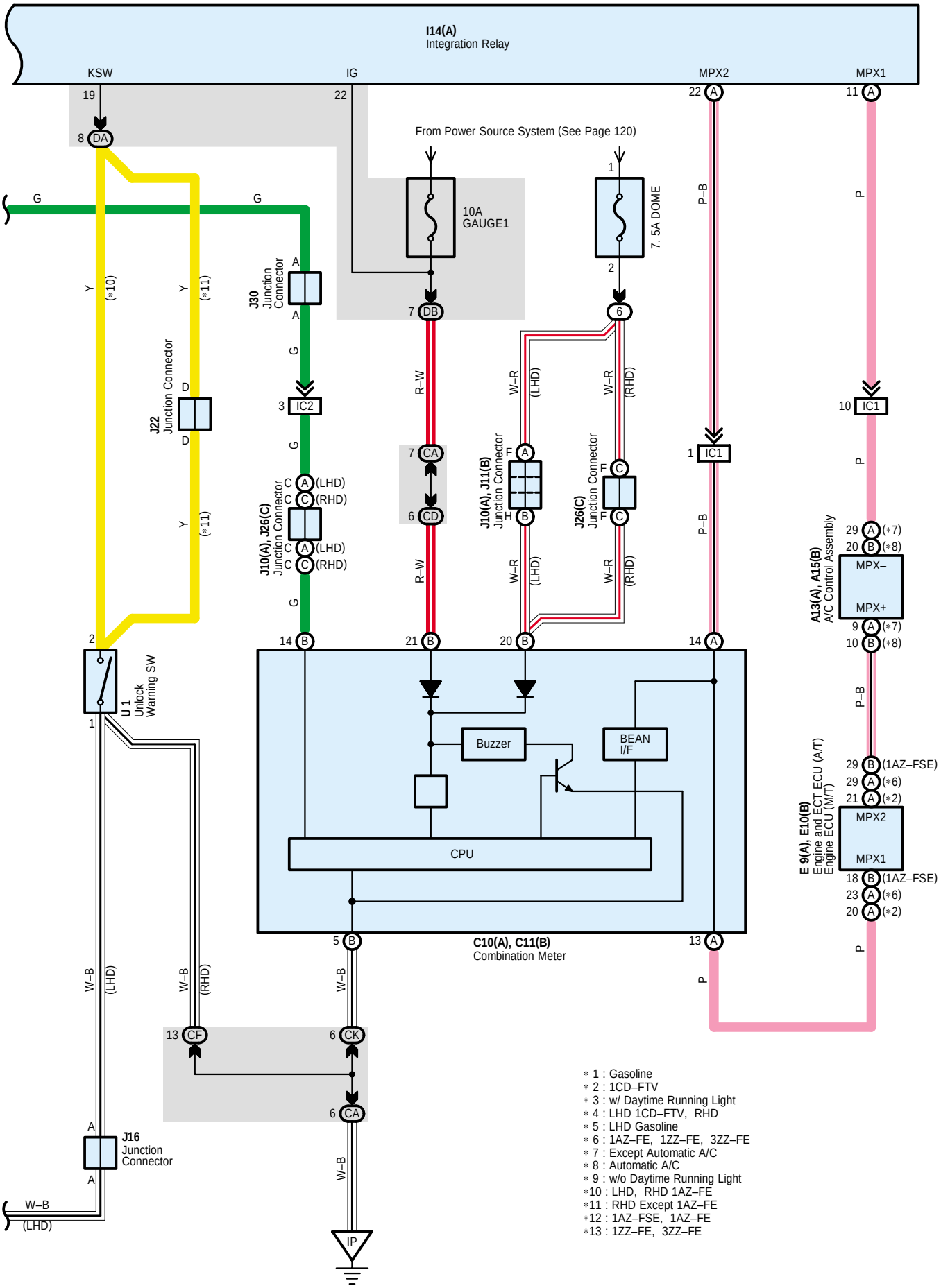
Key Reminder and Light Reminder

From Power Source System (See Page 120)



http://vnx.su



∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/ Daytime Running Light
∗ 4 : LHD 1CD–FTV, RHD
∗ 5 : LHD Gasoline
∗ 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗ 7 : Except Automatic A/C
∗ 8 : Automatic A/C
∗ 9 : w/o Daytime Running Light
∗10 : LHD, RHD 1AZ–FE
∗11 : RHD Except 1AZ–FE
∗12 : 1AZ–FSE, 1AZ–FE
∗13 : 1ZZ–FE, 3ZZ–FE

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Key Reminder and Light Reminder

System Outline

1. Key Reminder Buzzer System

If you open the door of the driver's side when the ignition key is inserted in ignition SW being off, the buzzer comes on.

2. Light Reminder Buzzer System

If you open the door of the driver's side when either headlight or taillight is on with ignition SW being off, the buzzer comes on.

Service Hints

Integration Relay

23–Ground : Always approx. 12 volts
17–Ground : Continuity with the driver's door open
22–Ground : Approx. 12 volts with the ignition SW at ON position

C11 Combination Meter

5–Ground : Always continuity
21–Ground : Approx. 12 volts with the ignition SW at ON position
20–Ground : Always approx. 12 volts

U1 Unlock Warning SW

2–1 : Closed with the ignition key in cylinder

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	46 (LHD)	D9		54 (LHD W/G)	J16		48 (LHD)
		66 (RHD)	D10		70 (RHD S/D)			68 (RHD)
A15	B	46 (LHD)			72 (RHD L/B)	J22		68 (RHD)
		66 (RHD)			74 (RHD W/G)	J26	C	68 (RHD)
C10	A	46 (LHD)	E9	A	47 (LHD)	J30		51 (LHD S/D)
		66 (RHD)			67 (RHD)			53 (LHD L/B)
C11	B	46 (LHD)	E10	B	47 (LHD)			55 (LHD W/G)
		66 (RHD)			67 (RHD)			71 (RHD S/D)
C12		46 (LHD)	I14	A	47 (LHD)			73 (RHD L/B)
		66 (RHD)			67 (RHD)			75 (RHD W/G)
D9		50 (LHD S/D)	J10	A	48 (LHD)	U1		49 (LHD)
		52 (LHD L/B)	J11	B	48 (LHD)			69 (RHD)

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

▭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CE		
CF		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DJ		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

: Ground Points

Code	See Page	Ground Points Location
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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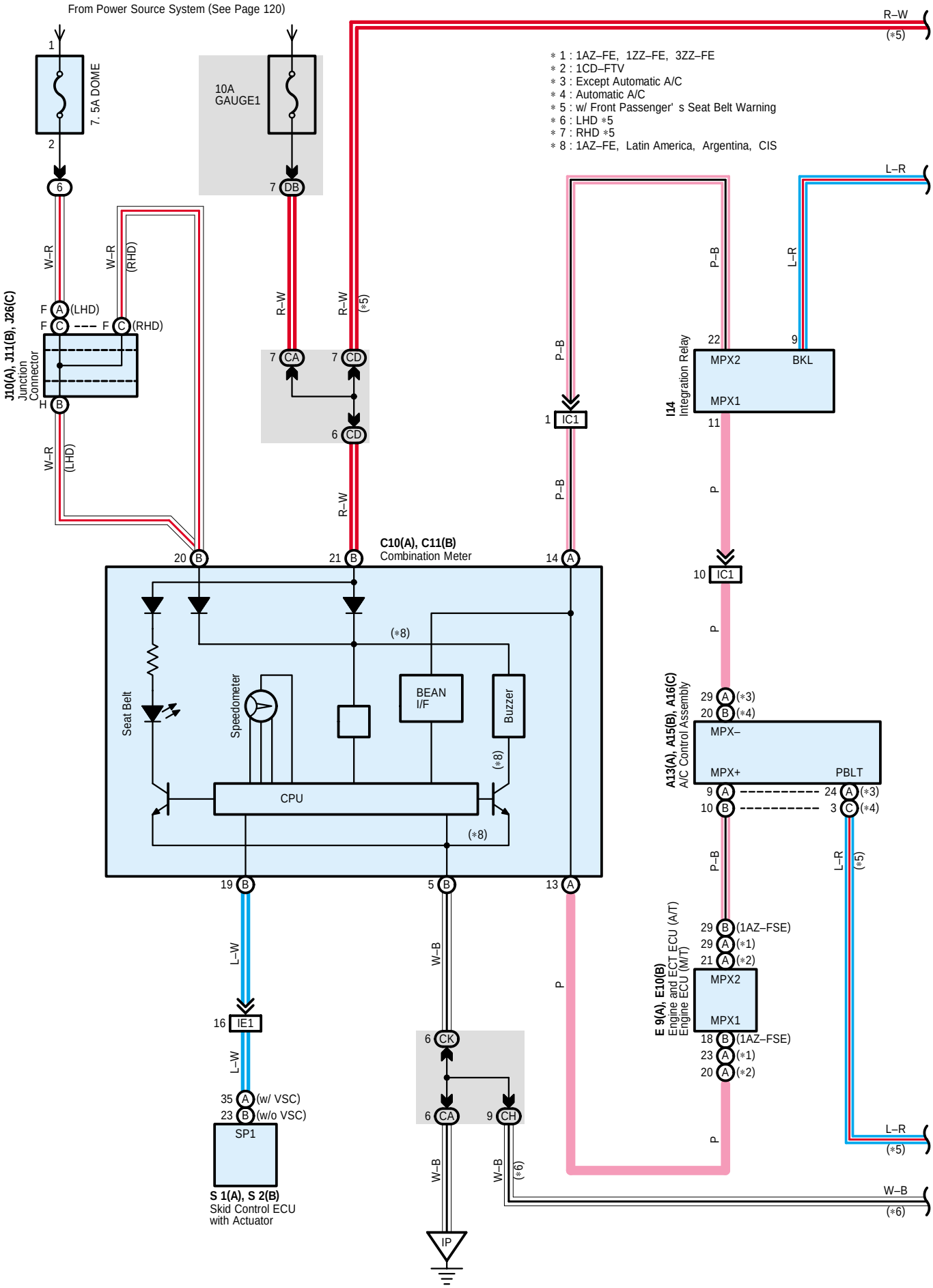
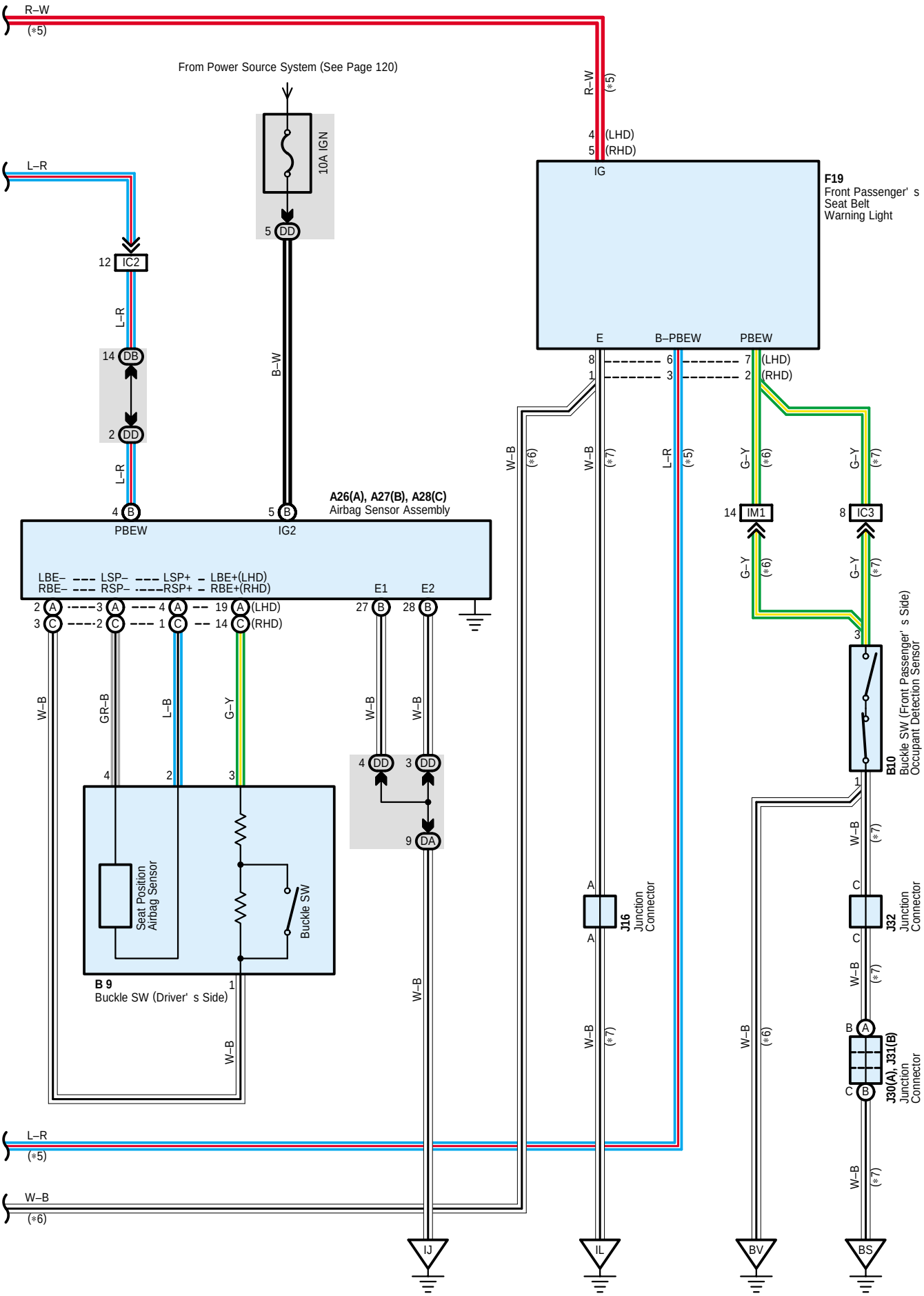
Seat Belt Warning



http://vnx.su


R–W
(*5)
From Power Source System (See Page 120)
10A IGN
5 DD
L–R
12 IC2
14 DB
2 DD
L–R
4 B
PBEW
B–W
5 B
IG2
A26(A), A27(B), A28(C)
Airbag Sensor Assembly
LBE– RSP– LSP– RSP+ LSP+ RBE+ LBE+(LHD) RBE+(RHD)
2 A 3 C
3 A 2 C
4 A 1 C
19 A 14 C (LHD) (RHD)
E1 27 B
E2 28 B
W–B
GR–B
L–B
G–Y
4 DD 3 DD
9 DA
Seat Position Airbag Sensor
Buckle SW
B 9
Buckle SW (Driver' s Side)
W–B
R–W (*5)
4 (LHD)
5 (RHD)
IG
F19
Front Passenger' s Seat Belt Warning Light
E B–PBEW PBEW
8 6 7 (LHD)
1 3 2 (RHD)
W–B (*6)
W–B (*7)
L–R (*5)
G–Y (*6)
G–Y (*7)
14 IM1
8 IC3
G–Y (*6)
G–Y (*7)
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
A J16 A
Junction Connector
C J32 C
Junction Connector
B A
C B
J30(A), J31(B)
Junction Connector
W–B (*7)
W–B (*6)
L–R (*5)
W–B (*6)
IJ
IL
BV
BS

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Seat Belt Warning

System Outline

1. Seat Belt Warning for the Driver's Seat

If the driver does not wear the seat belt when the ignition SW is set to on, the seat belt warning light for the driver's seat comes on, and the buzzer sounds (But 1AZ–FE, Latin America, Argentina and CIS specification vehicles do not sound the buzzer, indicate the warning with the light only). When the driving speed exceeds 15 km/h with the buzzer activated, the interval of buzzer sounding becomes shorter.

2. Seat Belt Warning for the Front Passenger's Seat (Except 1AZ–FE)

A sensor (Occupant detection sensor) detects whether there is an occupant in the front passenger's seat when the ignition SW is set to on. If an occupant is detected and he/she does not wear the front passenger's seat belt, the front passenger's seat belt warning light flickers, and the buzzer sounds (But Latin America, Argentina and CIS specification vehicles do not the buzzer, indicate the warning with the light only). When the driving speed exceeds 15 km/h with the buzzer activated, the interval of buzzer sounding becomes shorter.

Service Hints

B9 Buckle SW (Driver Side)

3–1 : Closed with driver's seat belt in use

B10 Buckle SW (Front Passenger's Side) and Occupant Detection Sensor

3–1 : Closed with passenger sit on the front passenger's seat and front passenger's seat belt not use

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	46 (LHD)	C11	B	46 (LHD)	J31	B	71 (RHD S/D)
		66 (RHD)			66 (RHD)			73 (RHD L/B)
A15	B	46 (LHD)	E9	A	47 (LHD)			75 (RHD W/G)
		66 (RHD)			67 (RHD)	J32		71 (RHD S/D)
A16	C	46 (LHD)	E10	B	47 (LHD)			73 (RHD L/B)
		66 (RHD)			67 (RHD)			75 (RHD W/G)
A26	A	46 (LHD)	F19		47 (LHD)	S1	A	39 (*3)
		66 (RHD)			67 (RHD)			45 (*6)
A27	B	46 (LHD)	I14		47 (LHD)			59 (*7)
		66 (RHD)			67 (RHD)			65 (*10)
A28	C	46 (LHD)	J10	A	48 (LHD)	S2	B	41 (*4)
		66 (RHD)	J11	B	48 (LHD)			43 (*5)
B9		56 (LHD)	J16		48 (LHD)			45 (*6)
		76 (RHD)			68 (RHD)			61 (*8)
B10		56 (LHD)	J26	C	68 (RHD)			63 (*9)
		76 (RHD)	J30	A	71 (RHD S/D)			65 (*10)
C10	A	46 (LHD)			73 (RHD L/B)			
		66 (RHD)			75 (RHD W/G)			

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CH	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DD		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IC3	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IL	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BS	110 (RHD S/D)	Lower Back Panel Left
	112 (RHD L/B)	
	114 (RHD W/G)	
BV	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	

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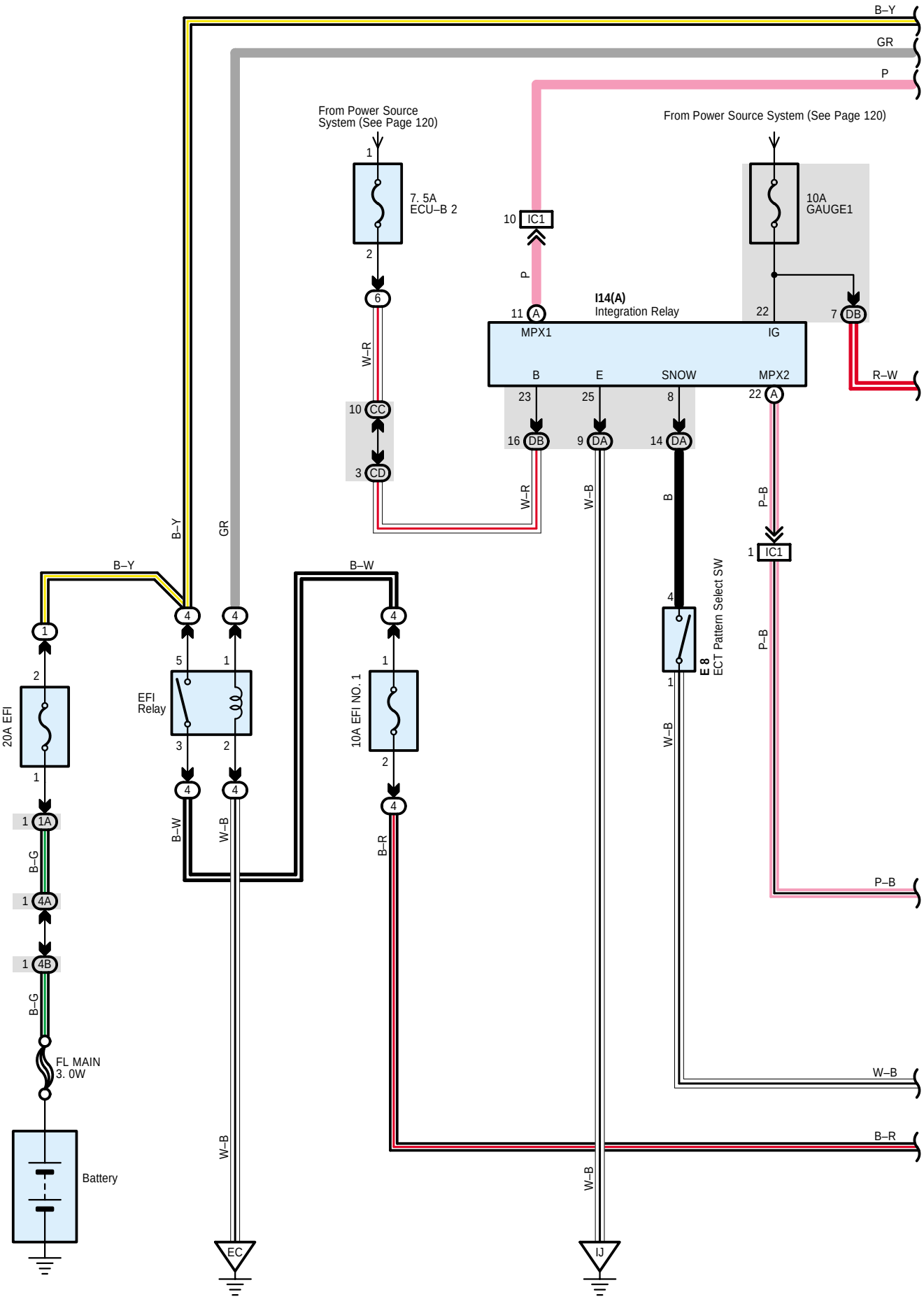
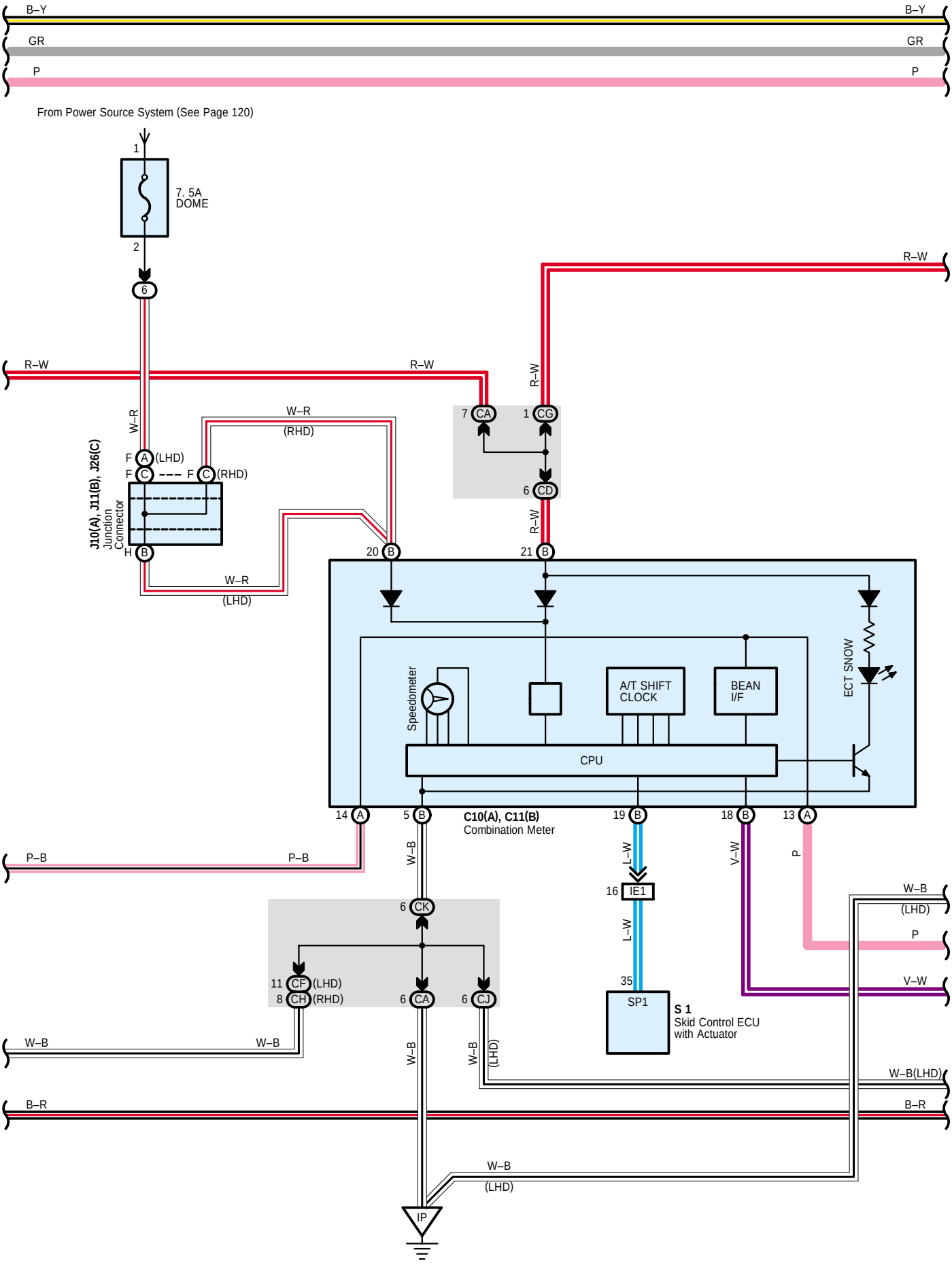
ECT and A/T Indicator (1AZ–FSE)



http://vnx.su


B–Y
B–Y
GR
GR
P
P
From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
R–W
R–W
R–W
R–W
W–R
W–R
(RHD)
7 CA
1 CG
6 CD
R–W
F A (LHD)
F C --- F C (RHD)
J10(A), J11(B), J26(C)
Junction
Connector
H B
20 B
21 B
W–R
(LHD)
Speedometer
A/T SHIFT
CLOCK
BEAN
I/F
ECT SNOW
CPU
14 A
5 B
C10(A), C11(B)
Combination Meter
19 B
18 B
13 A
P–B
P–B
W–B
L–W
V–W
P
16 IE1
W–B
(LHD)
L–W
P
6 CK
11 CF (LHD)
8 CH (RHD)
6 CA
6 CJ
35
V–W
SP1
S 1
Skid Control ECU
with Actuator
W–B
W–B
W–B
W–B
(LHD)
W–B(LHD)
B–R
B–R
W–B
(LHD)
IP

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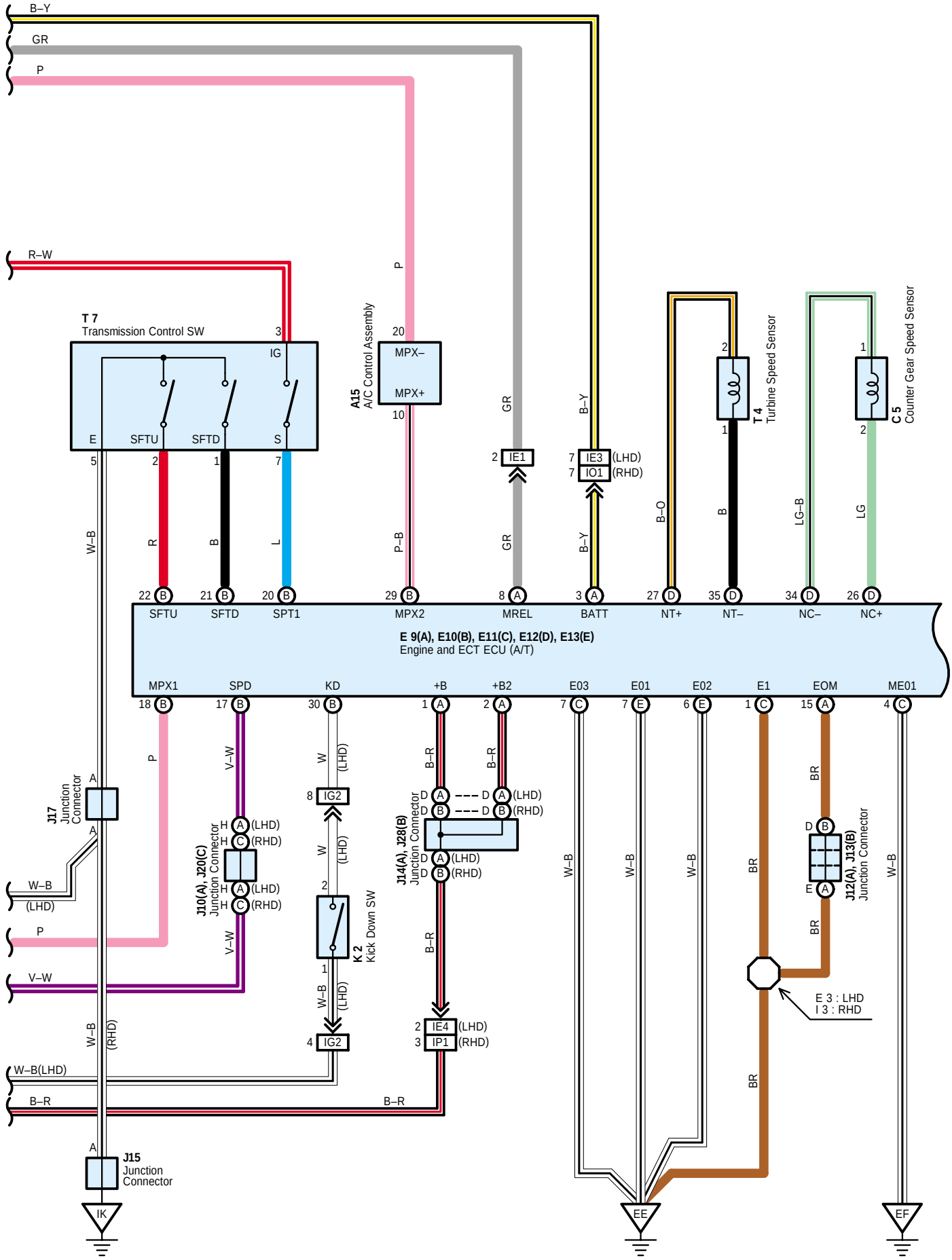
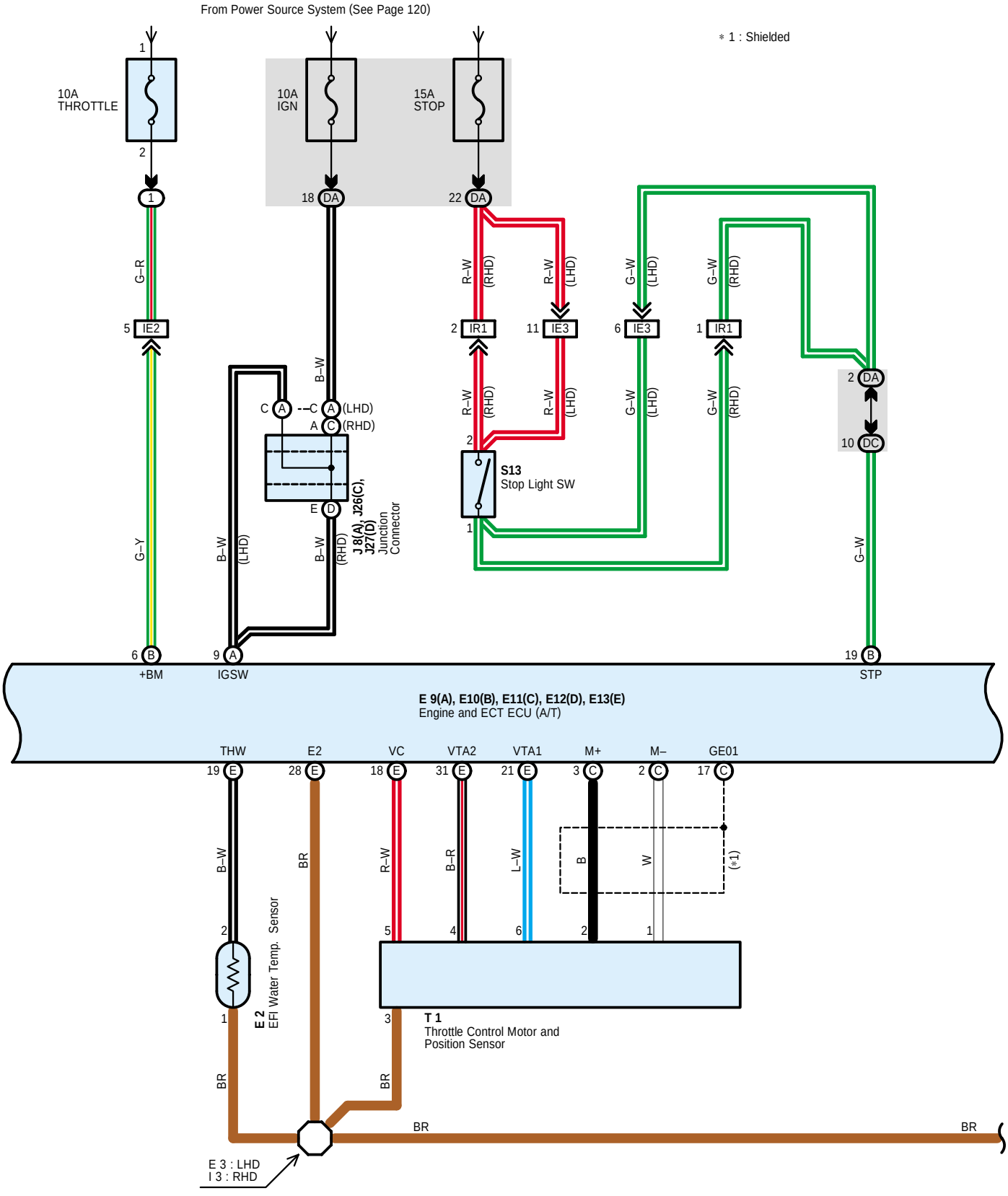
ECT and A/T Indicator (1AZ–FSE)



http://vnx.su


From Power Source System (See Page 120)
* 1 : Shielded
10A THROTTLE
10A IGN
15A STOP
G–R
G–Y
B–W
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
IE2
IE3
IR1
S13
Stop Light SW
J 8(A), J26(C), J27(D) Junction Connector
+BM
IGSW
STP
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
THW
E2
VC
VTA2
VTA1
M+
M–
GE01
B–W
BR
R–W
B–R
L–W
B
W
(*1)
E 2
EFI Water Temp. Sensor
T 1
Throttle Control Motor and Position Sensor
E 3 : LHD
I 3 : RHD

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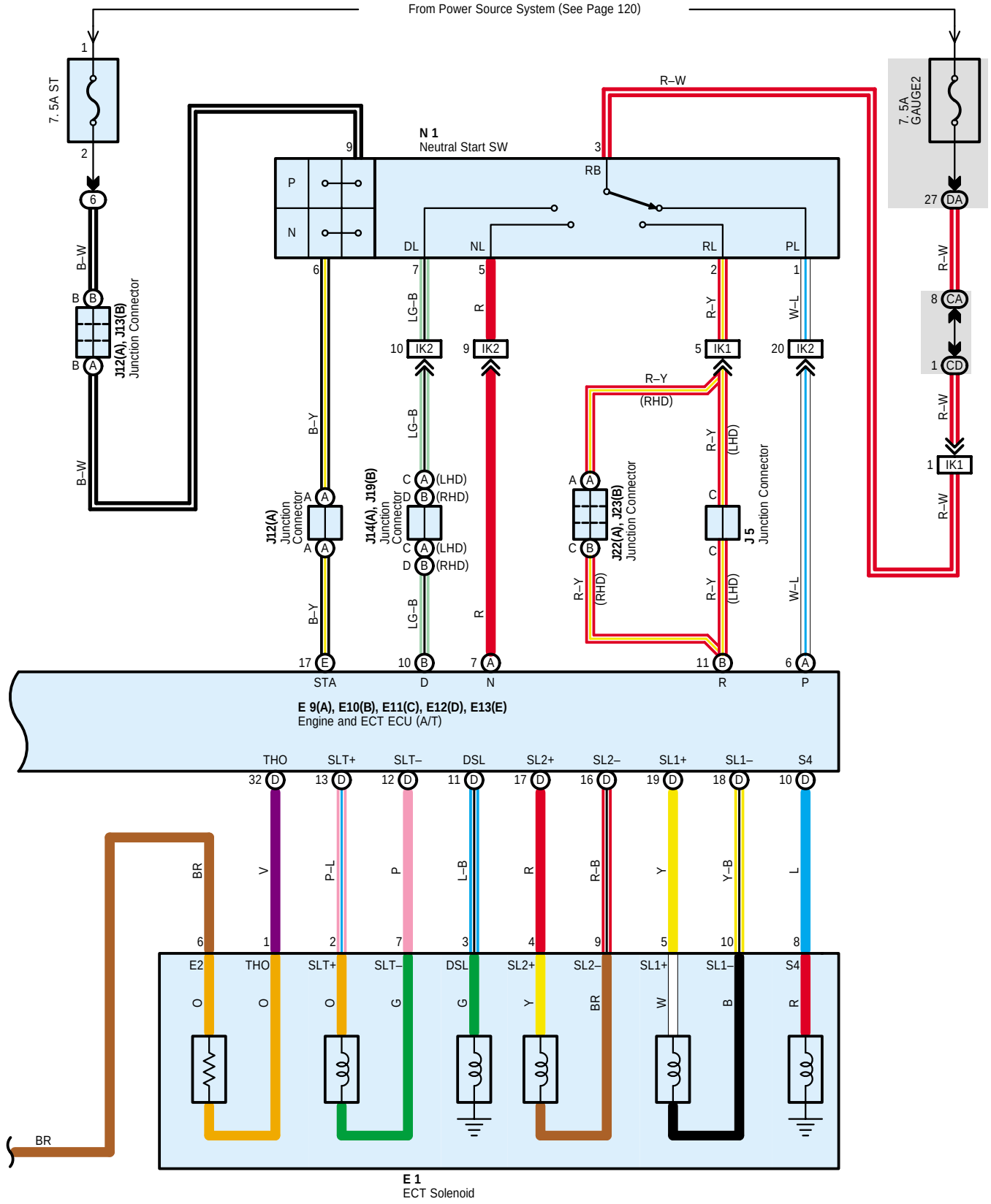
ECT and A/T Indicator (1AZ–FSE)



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System Outline

Previous automatic transaxle have selected each gear shift using mechanically controlled throttle hydraulic pressure, governor hydraulic pressure and lock–up hydraulic pressure. The ECT, however, electrically controls the line pressure, throttle pressure, lock–up pressure and accumulator pressure etc. through the solenoid valve. The ECT is a system which precisely controls gear shift timing and lock–up timing in response to the vehicle's driving conditions and the engine condition detected by various sensors. It makes smooth driving possible by shift selection for each gear which is the most appropriate to the driving conditions at that time, and by preventing downing, squat and gear shift shock when starting off.

1. Gear Shift Operation

When driving, the engine warm up condition is input as a signal to TERMINAL THW of the engine and ECT ECU from the EFI water temp. sensor and the vehicle speed signal is input to TERMINAL SPD of the engine and ECT ECU. At the same time, the throttle valve opening signal from the throttle position sensor is input to TERMINAL VTA1 of the engine and ECT ECU as throttle angle signal.
Based on these signals, the engine and ECT ECU selects the best shift position for the driving conditions and sends current to the ECT solenoid.

2. Lock–Up Operation

When each signal makes engine and ECT ECU recognize that LOCK–UP condition is satisfied, the current flows from engine and ECT ECU TERMINAL DSL to ECT solenoid TERMINAL DSL. At the same time, the current flows engine and ECT ECU TERMINAL SL1+ to ECT solenoid TERMINAL SL1+ and from TERMINAL SL1– to engine and ECT ECU TERMINAL SL1–. This works LOCK–UP solenoid to perform LOCK–UP operation.

3. Stop Light SW Circuit

If the brake pedal is depressed (Stop light SW on) when driving in lock–up condition, a signal is input to TERMINAL STP of the engine and ECT ECU. The engine and ECT ECU operates and cuts the current to the solenoid to release lock–up.

4. Sequential Shift Operation

With the sequential shift function, the manual shift lever becomes available by setting the shift lever to the S position, and the S and range display indicators appear in the combination meter. Any desired range can be selected by shifting up or down the shift lever.

Service Hints

E10 (B), E11 (C), E12 (D), E13 (E) Engine and ECT ECU (A/T)

R–E1 : 10.0–14.0 volts (Ignition SW on and shift lever at R position)
D–E1 : 10.0–14.0 volts (Ignition SW on and shift lever at D position)
THO–E2 : Below 1.0 volts (Ignition SW on and AFT temperature 110 ˚C (230 ˚F)
SLT+ –SLT–: 10.0–14.0 volts (Ignition SW on)

N1 Neutral Start SW

3–1 : Closed with shift lever in P position
3–2 : Closed with shift lever in R position
3–5 : Closed with shift lever in N position
3–7 : Closed with shift lever in D position

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ECT and A/T Indicator (1AZ–FSE)

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A15		46 (LHD)	E12	D	47 (LHD)	J22	A	68 (RHD)
		66 (RHD)			67 (RHD)	J23	B	68 (RHD)
C5		38 (*3)	E13	E	47 (LHD)	J26	C	68 (RHD)
		58 (*7)			67 (RHD)	J27	D	68 (RHD)
C10	A	46 (LHD)	I14	A	47 (LHD)	J28	B	68 (RHD)
		66 (RHD)			67 (RHD)	K2		48 (LHD)
C11	B	46 (LHD)	J5		48 (LHD)	N1		39 (*3)
		66 (RHD)	J8	A	48 (LHD)			59 (*7)
E1		38 (*3)	J10	A	48 (LHD)	S1		39 (*3)
		58 (*7)	J11	B	48 (LHD)			59 (*7)
E2		38 (*3)	J12	A	48 (LHD)	S13		49 (LHD)
		58 (*7)			68 (RHD)			69 (RHD)
E8		47 (LHD)	J13	B	48 (LHD)	T1		39 (*3)
		67 (RHD)			68 (RHD)			59 (*7)
E9	A	47 (LHD)	J14	A	48 (LHD)	T4		39 (*3)
		67 (RHD)	J15		68 (RHD)			59 (*7)
E10	B	47 (LHD)	J17		48 (LHD)	T7		49 (LHD)
		67 (RHD)			68 (RHD)			69 (RHD)
E11	C	47 (LHD)	J19	B	68 (RHD)			
		67 (RHD)	J20	C	68 (RHD)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CF		
CG	35	
CH		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE4		
IG2	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IP1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	98 (*7)	
EE	78 (*3)	Intake Side of Cylinder Block
	98 (*7)	
EF	78 (*3)	Left Side of the Cylinder Head
	98 (*7)	
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E3	78 (*3)	Engine Wire	I3	108 (RHD)	Engine Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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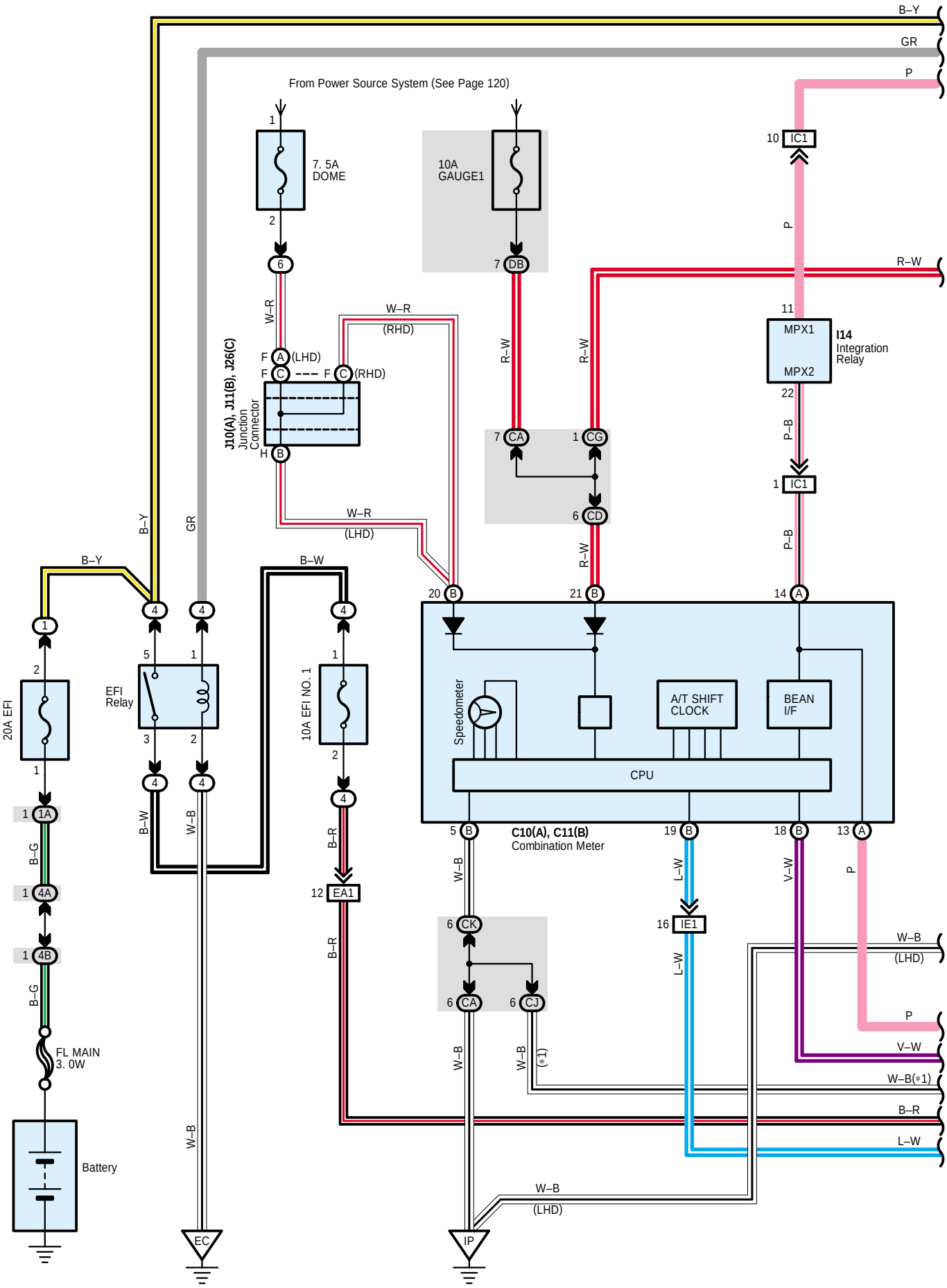
From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
10 IC1
P
R–W
11
MPX1
MPX2
I14
Integration
Relay
22
P–B
1 IC1
P–B
W–R
(RHD)
W–R
(LHD)
J10(A), J11(B), J26(C)
Junction
Connector
F A (LHD)
F C (RHD)
H B
7 DB
7 CA
1 CG
6 CD
R–W
B–Y
GR
B–W
20 B
21 B
14 A
Speedometer
A/T SHIFT
CLOCK
BEAN
I/F
CPU
C10(A), C11(B)
Combination Meter
5 B
19 B
18 B
13 A
W–B
L–W
V–W
P
6 CK
16 IE1
6 CA
6 CJ
(*1)
W–B(*1)
B–R
L–W
W–B
(LHD)
20A EFI
EFI
Relay
10A EFI NO. 1
12 EA1
1A
4A
4B
B–G
FL MAIN
3. 0W
Battery
EC
IP

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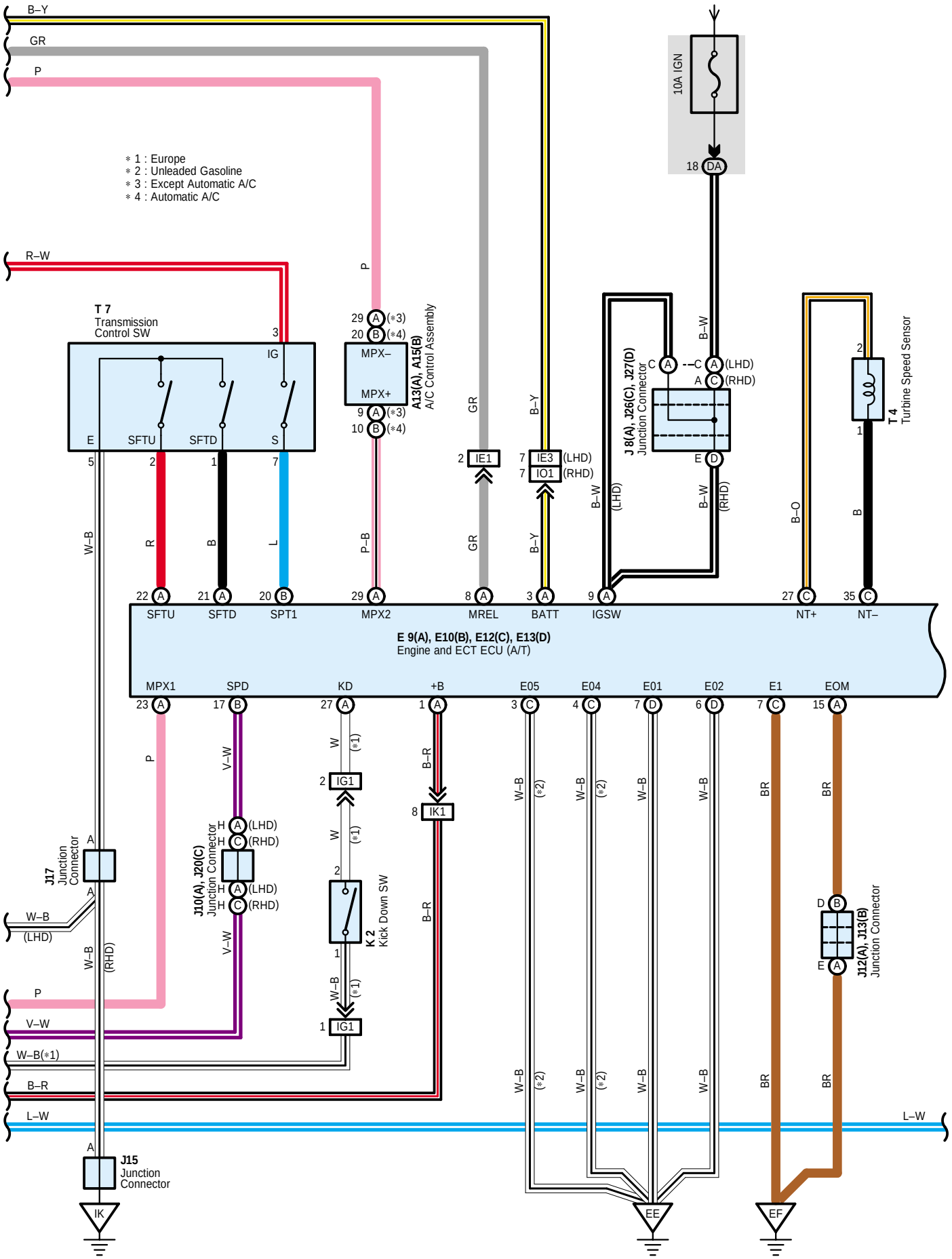
From Power Source System (See Page 120)



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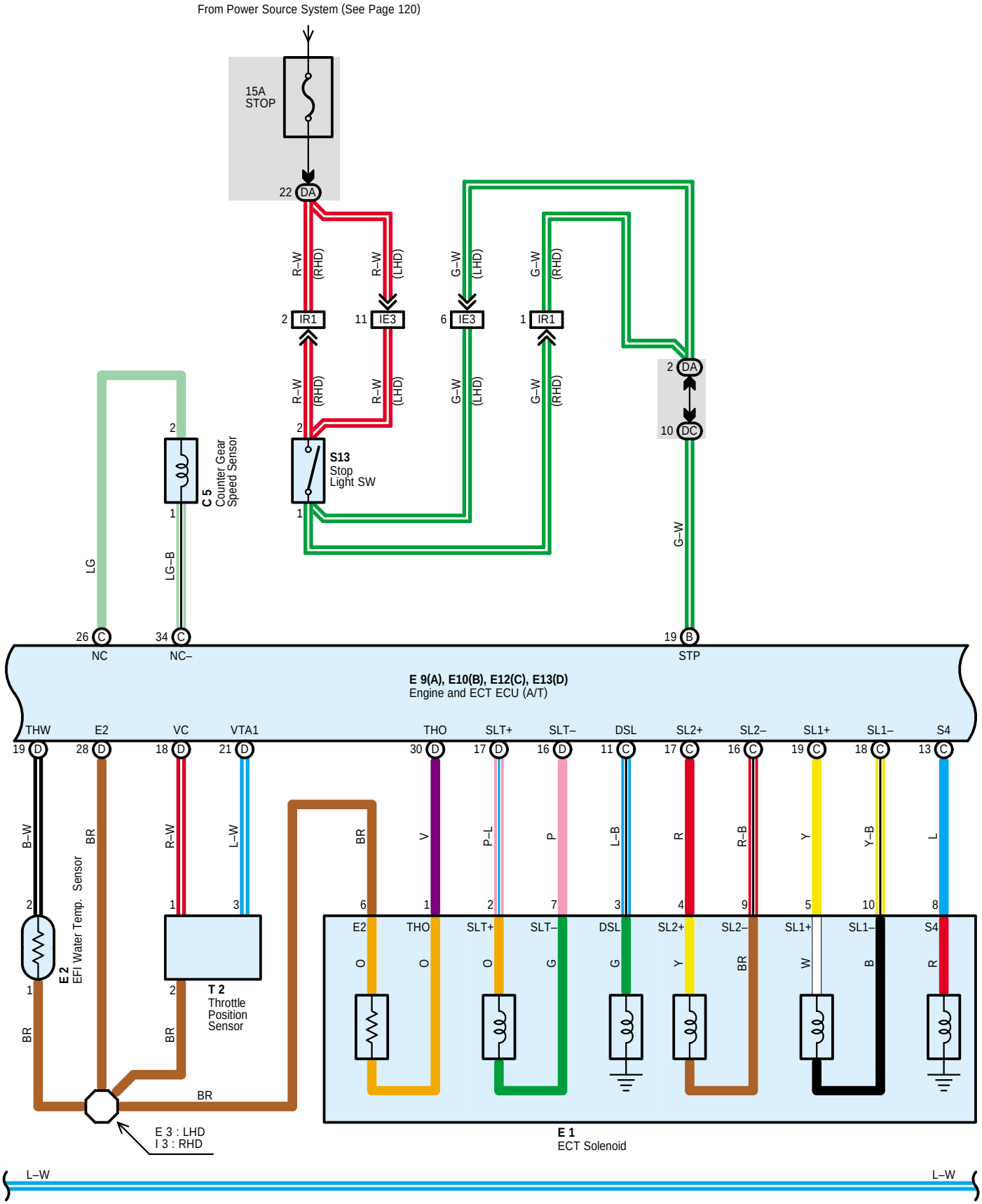
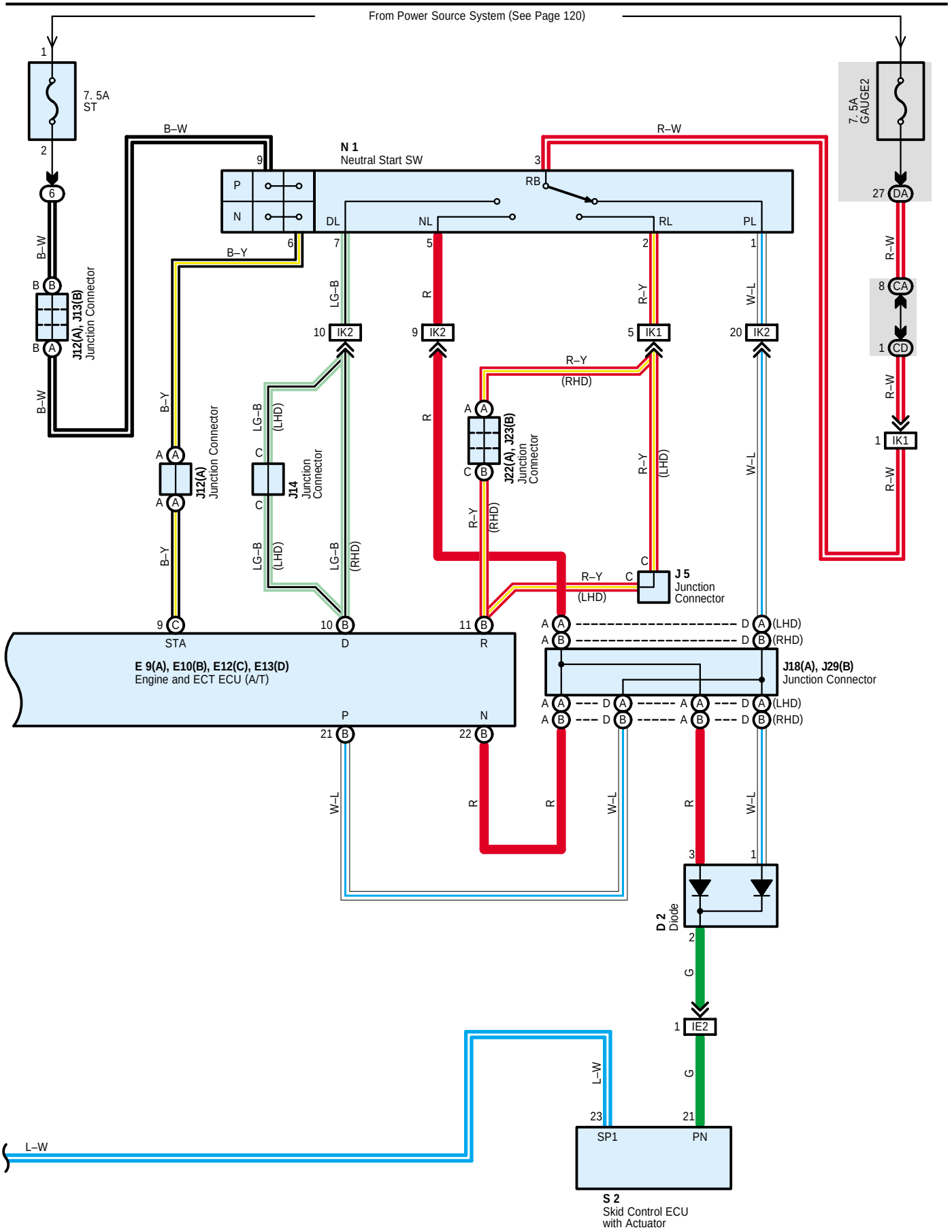
ECT and A/T Indicator (1AZ–FE)



http://vnx.su


From Power Source System (See Page 120)
7. 5A
ST
7. 5A
GAUGE2
B–W
R–W
N 1
Neutral Start SW
P
N
RB
DL
NL
RL
PL
B–Y
LG–B
R
R–Y
W–L
IK2
IK1
CA
CD
DA
J12(A), J13(B)
Junction Connector
J12(A)
Junction Connector
J14
Junction Connector
J22(A), J23(B)
Junction Connector
J5
Junction
Connector
(LHD)
(RHD)
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
STA
D
R
P
N
J18(A), J29(B)
Junction Connector
D 2
Diode
G
IE2
L–W
SP1
PN
S 2
Skid Control ECU
with Actuator

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ECT and A/T Indicator (1AZ–FE)

System Outline

Previous automatic transaxle have selected each gear shift using mechanically controlled throttle hydraulic pressure, governor hydraulic pressure and lock–up hydraulic pressure. The ECT, however, electrically controls the line pressure, throttle pressure, lock–up pressure and accumulator pressure etc. through the solenoid valve. The ECT is a system which precisely controls gear shift timing and lock–up timing in response to the vehicle's driving conditions and the engine condition detected by various sensors. It makes smooth driving possible by shift selection for each gear which is the most appropriate to the driving conditions at that time, and by preventing downing, squat and gear shift shock when starting off.

1. Gear Shift Operation

When driving, the engine warm up condition is input as a signal to TERMINAL THW of the engine and ECT ECU from the EFI water temp. sensor and the vehicle speed signal is input to TERMINAL SPD of the engine and ECT ECU. At the same time, the throttle valve opening signal from the throttle position sensor is input to TERMINAL VTA1 of the engine and ECT ECU as throttle angle signal.
Based on these signals, the engine and ECT ECU selects the best shift position for the driving conditions and sends current to the ECT solenoid.

2. Lock–Up Operation

When each signal makes engine and ECT ECU recognize that LOCK–UP condition is satisfied, the current flows from engine and ECT ECU TERMINAL DSL to ECT solenoid TERMINAL DSL. At the same time, the current flows engine and ECT ECU TERMINAL SL1+ to ECT solenoid TERMINAL SL1+ and from TERMINAL SL1– to engine and ECT ECU TERMINAL SL1–. This works LOCK–UP solenoid to perform LOCK–UP operation.

3. Stop Light SW Circuit

If the brake pedal is depressed (Stop light SW on) when driving in lock–up condition, a signal is input to TERMINAL STP of the engine and ECT ECU. The engine and ECT ECU operates and cuts the current to the solenoid to release lock–up.

4. Sequential Shift Operation

With the sequential shift function, the manual shift lever becomes available by setting the shift lever to the S position, and the S and range display indicators appear in the combination meter. Any desired range can be selected by shifting up or down the shift lever.

Service Hints

E10 (B), E12 (C), E13 (D) Engine and ECT ECU (A/T)

R–E1 : 10.0–14.0 volts (Ignition SW on and shift lever at R position)
D–E1 : 10.0–14.0 volts (Ignition SW on and shift lever at D position)
THO–E2 : Below 1.0 volts (Ignition SW on and AFT temperature 110 ˚C (230 ˚F)
SLT+ –SLT–: 10.0–14.0 volts (Ignition SW on)

N1 Neutral Start SW

3–1 : Closed with shift lever in P position
3–2 : Closed with shift lever in R position
3–5 : Closed with shift lever in N position
3–7 : Closed with shift lever in D position

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: Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	46 (LHD)	E12	C	47 (LHD)	J22	A	68 (RHD)
		66 (RHD)			67 (RHD)	J23	B	68 (RHD)
A15	B	46 (LHD)	E13	D	47 (LHD)	J26	C	68 (RHD)
		66 (RHD)			67 (RHD)	J27	D	68 (RHD)
C5		40 (*4)	I14		47 (LHD)	J29	B	68 (RHD)
		60 (*8)			67 (RHD)	K2		48 (LHD)
C10	A	46 (LHD)	J5		48 (LHD)	N1		41 (*4)
		66 (RHD)	J8	A	48 (LHD)			61 (*8)
C11	B	46 (LHD)	J10	A	48 (LHD)	S2		41 (*4)
		66 (RHD)	J11	B	48 (LHD)			61 (*8)
D2		47 (LHD)	J12	A	48 (LHD)	S13		49 (LHD)
		67 (RHD)			68 (RHD)			69 (RHD)
E1		40 (*4)	J13	B	48 (LHD)	T2		41 (*4)
		60 (*8)			68 (RHD)			61 (*8)
E2		40 (*4)	J14		48 (LHD)	T4		41 (*4)
		60 (*8)	J15		68 (RHD)			61 (*8)
E9	A	47 (LHD)	J17		48 (LHD)	T7		49 (LHD)
		67 (RHD)			68 (RHD)			69 (RHD)
E10	B	47 (LHD)	J18	A	48 (LHD)			
		67 (RHD)	J20	C	68 (RHD)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CG	35	
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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ECT and A/T Indicator (1AZ–FE)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	80 (*4)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	100 (*8)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IG1	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EC	80 (*4)	Engine Compartment Left
	100 (*8)	
EE	80 (*4)	Intake Side of Cylinder Block
	100 (*8)	
EF	80 (*4)	Left Side of the Cylinder Head
	100 (*8)	
IK	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E3	80 (*4)	Engine Wire	I3	108 (RHD)	Engine Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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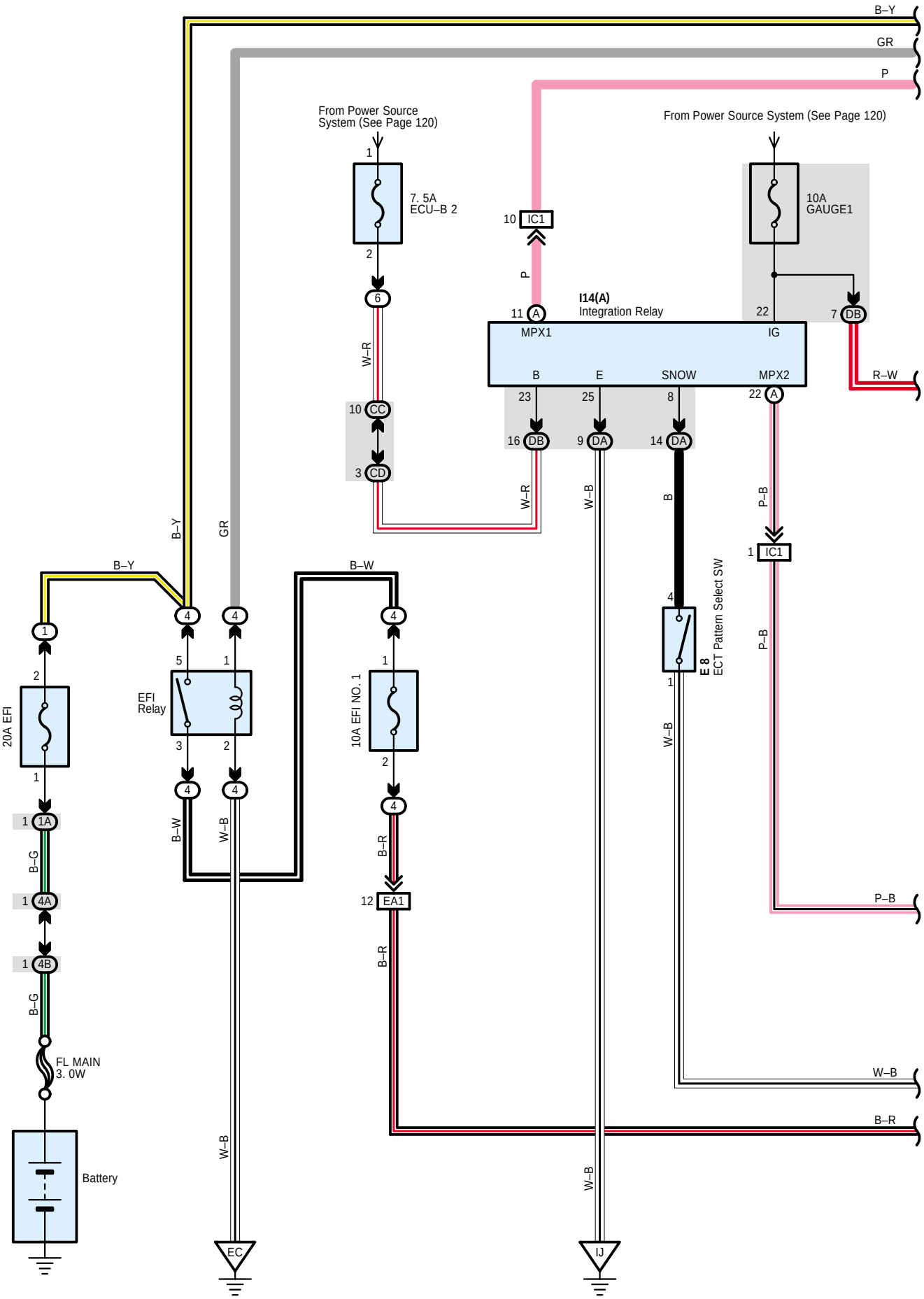
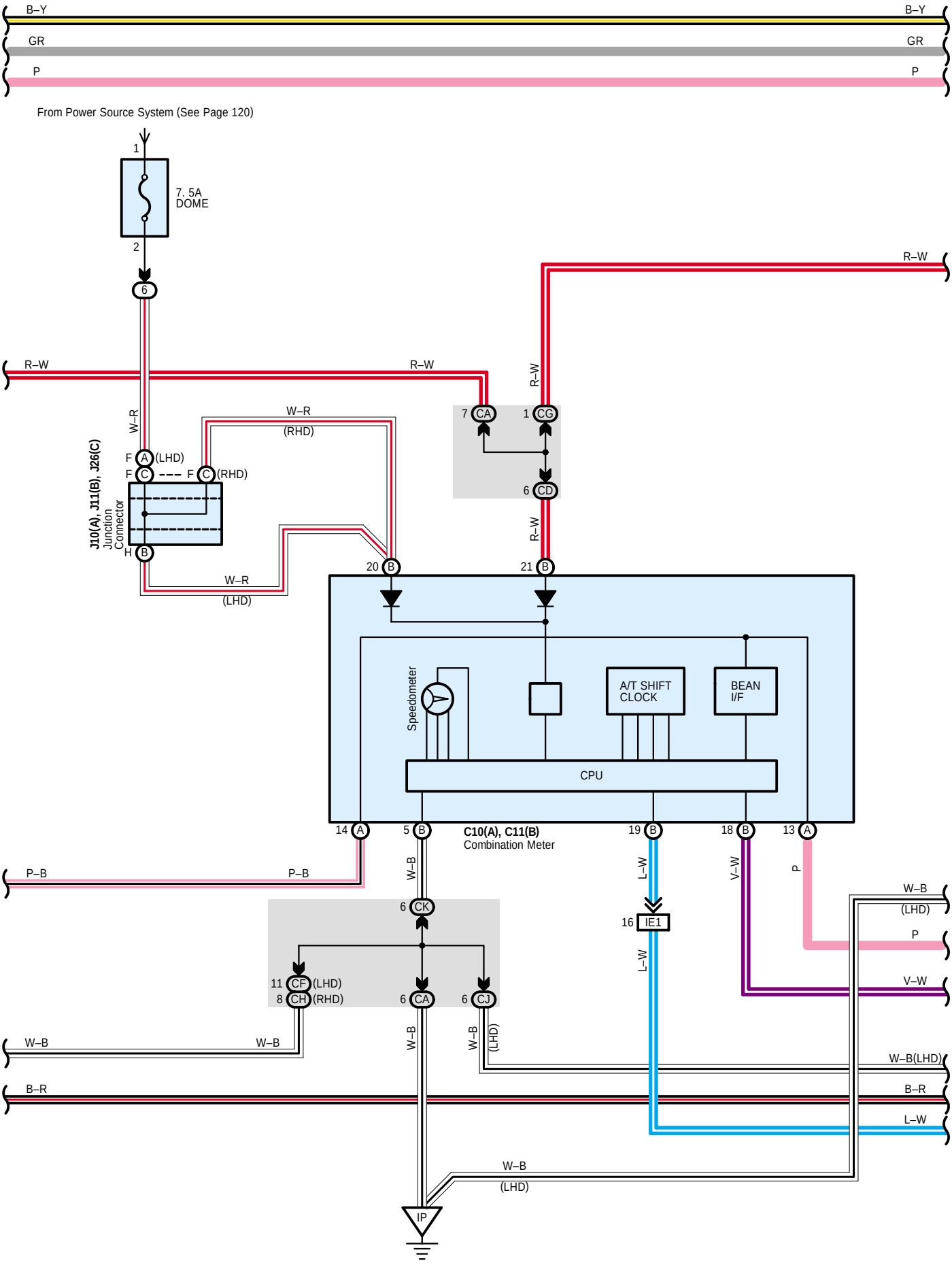
ECT and A/T Indicator (1ZZ–FE)



http://vnx.su


B–Y
B–Y
GR
GR
P
P
From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
R–W
R–W
R–W
R–W
W–R
W–R
(RHD)
7 CA
1 CG
6 CD
F A (LHD)
F C --- F C (RHD)
J10(A), J11(B), J26(C)
Junction
Connector
H B
W–R
(LHD)
20 B
21 B
Speedometer
A/T SHIFT
CLOCK
BEAN
I/F
CPU
14 A
5 B
C10(A), C11(B)
Combination Meter
19 B
18 B
13 A
P–B
P–B
W–B
L–W
V–W
P
6 CK
16 IE1
W–B
(LHD)
P
V–W
11 CF (LHD)
8 CH (RHD)
6 CA
6 CJ
W–B
W–B
W–B
W–B
(LHD)
W–B(LHD)
B–R
B–R
L–W
W–B
(LHD)
IP

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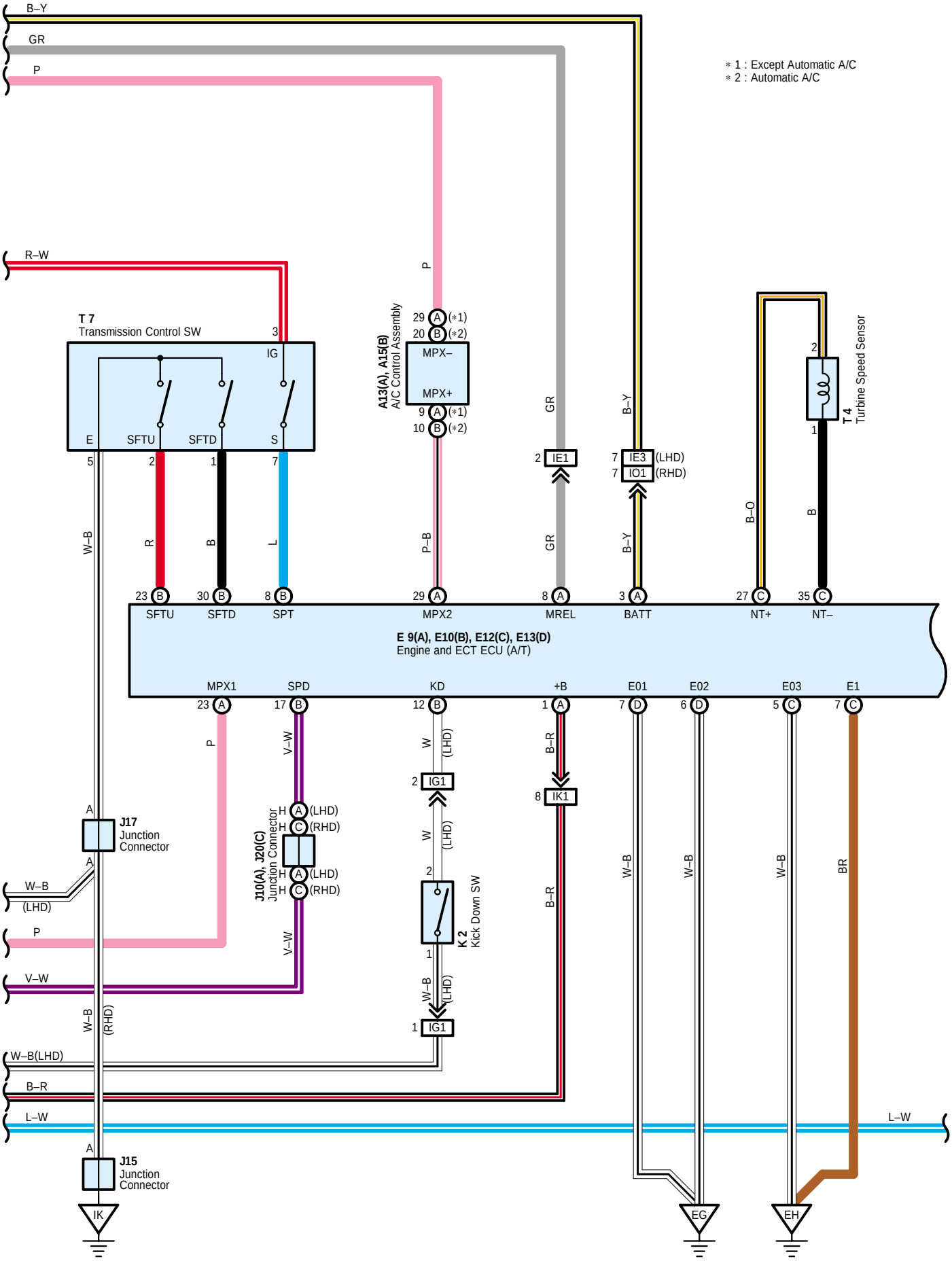
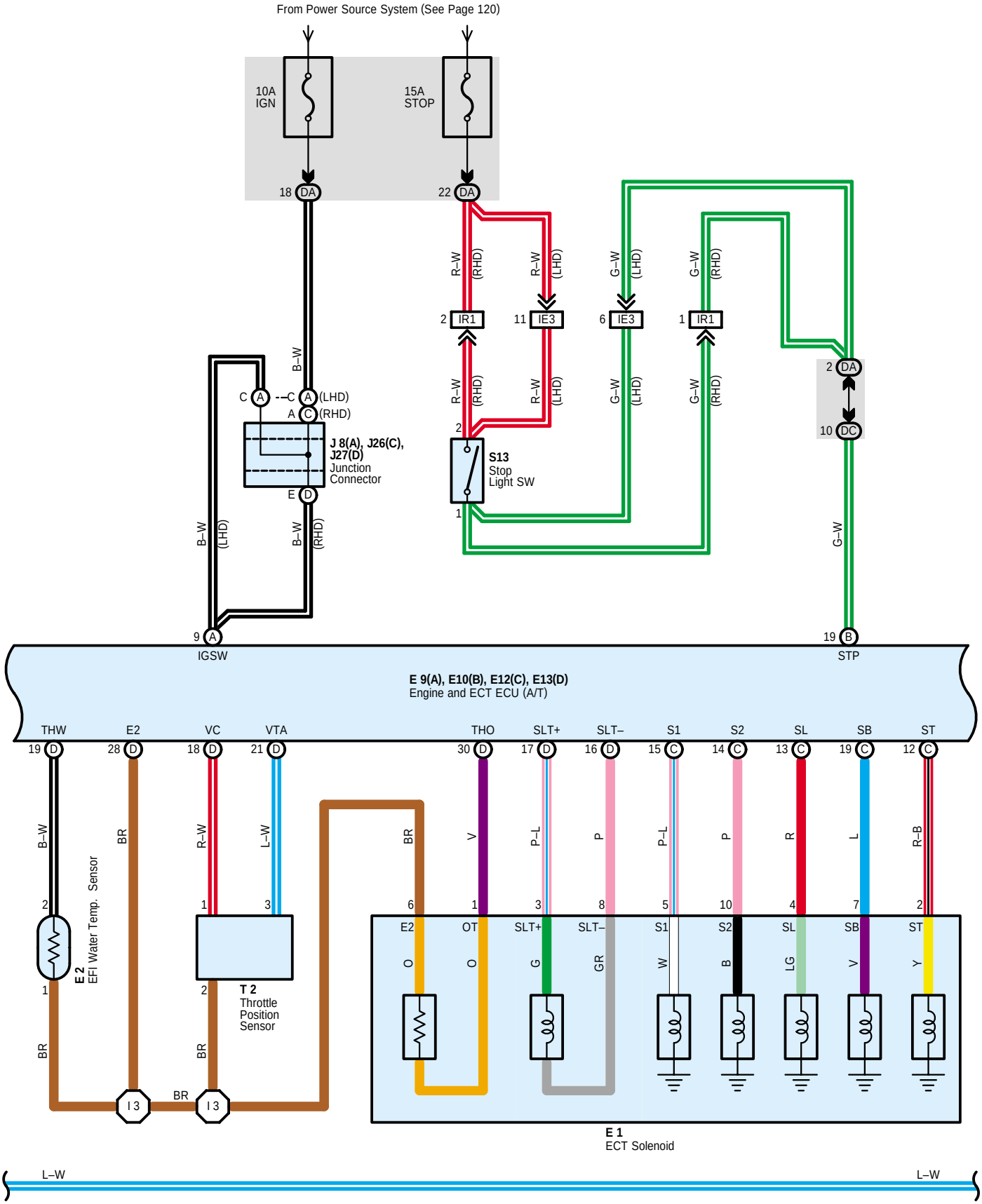
ECT and A/T Indicator (1ZZ–FE)



http://vnx.su


From Power Source System (See Page 120)
10A
IGN
15A
STOP
18 DA
22 DA
B–W
C A (LHD)
A C (RHD)
J 8(A), J26(C),
J27(D)
Junction
Connector
E D
B–W (LHD)
B–W (RHD)
9 A
IGSW
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
2 IR1
11 IE3
6 IE3
1 IR1
2
S13
Stop
Light SW
1
2 DA
10 DC
G–W
19 B
STP
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
THW
E2
VC
VTA
THO
SLT+
SLT–
S1
S2
SL
SB
ST
19 D
28 D
18 D
21 D
30 D
17 D
16 D
15 C
14 C
13 C
19 C
12 C
B–W
BR
R–W
L–W
BR
V
P–L
P
P–L
P
R
L
R–B
2
1
3
6
1
3
8
5
10
4
7
2
E 2
EFI Water Temp. Sensor
T 2
Throttle
Position
Sensor
BR
BR
BR
I 3
I 3
E2
OT
SLT+
SLT–
S1
S2
SL
SB
ST
O
O
G
GR
W
B
LG
V
Y
E 1
ECT Solenoid
L–W
L–W

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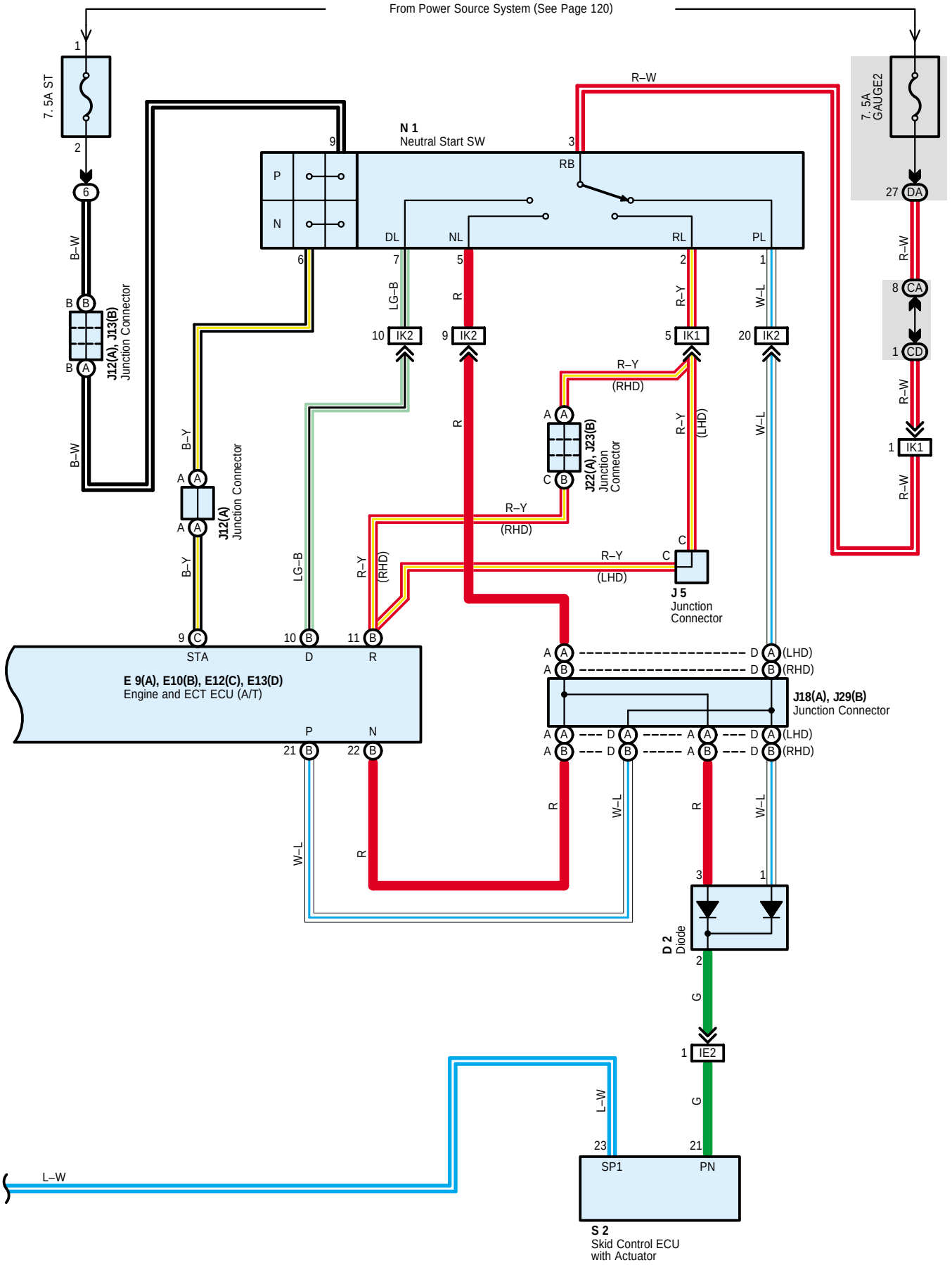
ECT and A/T Indicator (1ZZ–FE)



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System Outline

Engine and ECT ECU controls of the solenoid valve based on the input signals from each sensor which makes smooth driving possible by shift selection for each gear which is most appropriate to the driving conditions at that time.

1. Gear Shift Operation

When driving, the engine warm up condition is input as a signal to TERMINAL THW of the engine and ECT ECU from the EFI water temp. sensor and the vehicle speed signal is input to TERMINAL SPD of the engine and ECT ECU. At the same time, the throttle valve opening signal from the throttle position sensor is input to TERMINAL VTA of the engine and ECT ECU as throttle angle signal.
Based on these signals, the engine and ECT ECU selects the best shift position for the driving conditions and sends current to the ECT solenoid.

2. Stop Light SW Circuit

If the brake pedal is depressed (Stop light SW on) when driving in lock–up condition, a signal is input to TERMINAL STP of the engine and ECT ECU. The engine and ECT ECU operates and cuts the current to the solenoid to release lock–up.

3. Sequential Shift Operation

With the sequential shift function, the manual shift lever becomes available by setting the shift lever to the S position, and the S and range display indicators appear in the combination meter. Any desired range can be selected by shifting up or down the shift lever.

Service Hints

E10 (B), E12 (C) Engine and ECT ECU (A/T)

D–E1 : 8.0–14.0 volts (Ignition SW on and shift lever at D position)
R–E1 : 8.0–14.0 volts (Ignition SW on and shift lever at R position)

N1 Neutral Start SW

3–1 : Closed with shift lever in P position
3–2 : Closed with shift lever in R position
3–7 : Closed with shift lever in D position
3–5 : Closed with shift lever in N position

○ : Parts Location

Code		See Page
A13	A	46 (LHD)
		66 (RHD)
A15	B	46 (LHD)
		66 (RHD)
C10	A	46 (LHD)
		66 (RHD)
C11	B	46 (LHD)
		66 (RHD)
D2		47 (LHD)
		67 (RHD)
E1		42 (*5)
		62 (*9)
E2		42 (*5)
		62 (*9)
E8		47 (LHD)
		67 (RHD)
E9	A	47 (LHD)
		67 (RHD)
E10	B	47 (LHD)

Code		See Page
E10	B	67 (RHD)
E12	C	47 (LHD)
		67 (RHD)
E13	D	47 (LHD)
		67 (RHD)
I14	A	47 (LHD)
		67 (RHD)
J5		48 (LHD)
J8	A	48 (LHD)
J10	A	48 (LHD)
J11	B	48 (LHD)
J12	A	48 (LHD)
		68 (RHD)
J13	B	48 (LHD)
		68 (RHD)
J15		68 (RHD)
J17		48 (LHD)
		68 (RHD)
J18	A	48 (LHD)

Code		See Page
J20	C	68 (RHD)
J22	A	68 (RHD)
J23	B	68 (RHD)
J26	C	68 (RHD)
J27	D	68 (RHD)
J29	B	68 (RHD)
K2		48 (LHD)
N1		43 (*5)
		63 (*9)
S2		43 (*5)
		63 (*9)
S13		49 (LHD)
		69 (RHD)
T2		43 (*5)
		63 (*9)
T4		43 (*5)
		63 (*9)
T7		49 (LHD)
		69 (RHD)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CF		
CG	35	
CH		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	82 (*5)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	102 (*9)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IG1	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Ground Points

Code	See Page	Ground Points Location
EC	82 (*5)	Engine Compartment Left
	102 (*9)	
EG	82 (*5)	Left Side of the Cylinder Head
	102 (*9)	
EH	82 (*5)	
	102 (*9)	
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	88 (LHD)	Engine Wire	I3	108 (RHD)	Engine Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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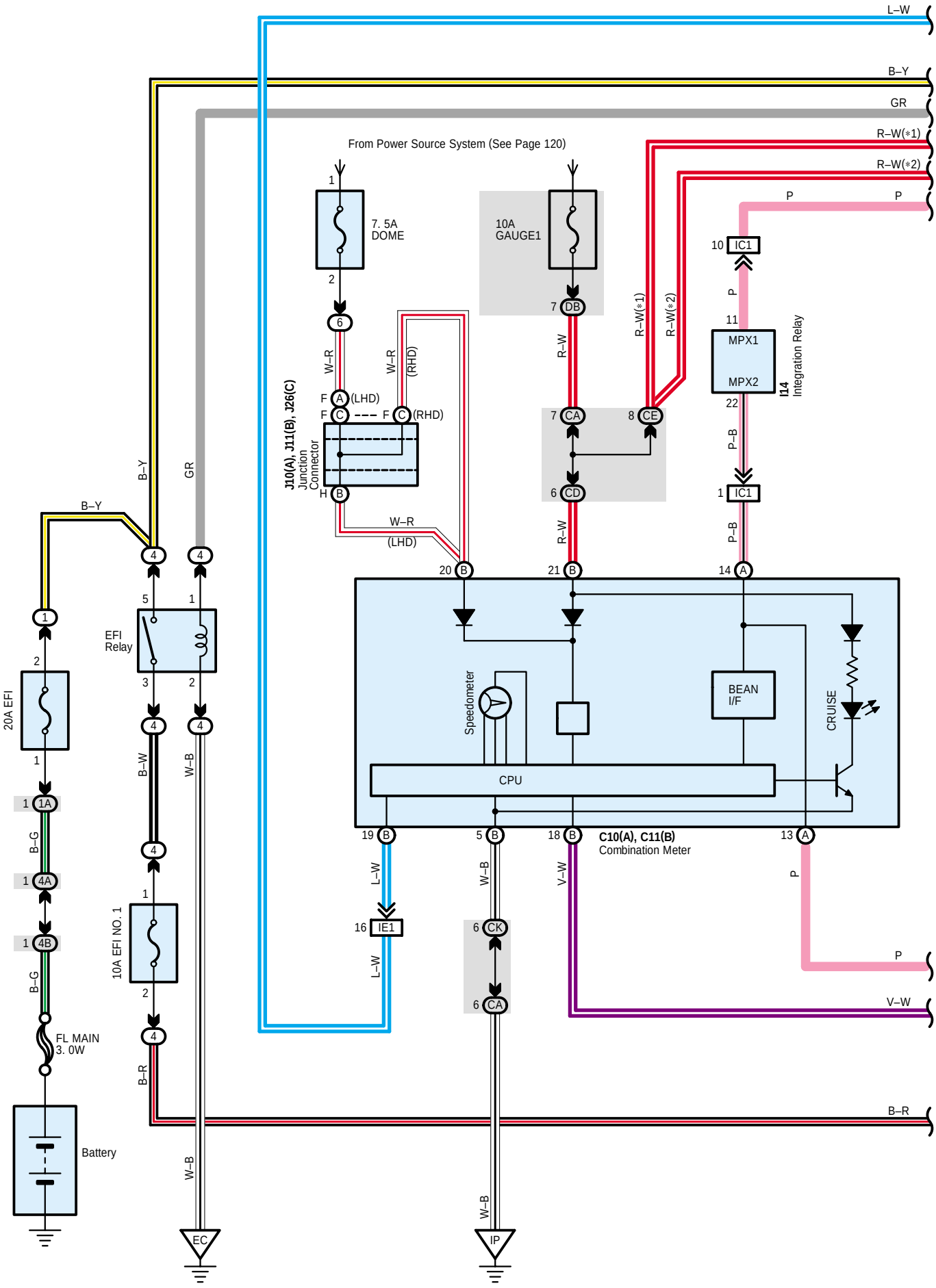
L–W
B–Y
GR
R–W(*1)
R–W(*2)
From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
P
IC1
MPX1
MPX2
I14
Integration Relay
J10(A), J11(B), J26(C)
Junction
Connector
(LHD)
(RHD)
W–R
R–W
P–B
EFI
Relay
20A EFI
10A EFI NO. 1
FL MAIN
3. 0W
Battery
EC
IP
Speedometer
CPU
BEAN
I/F
CRUISE
C10(A), C11(B)
Combination Meter
L–W
W–B
V–W
B–G
B–W
B–R

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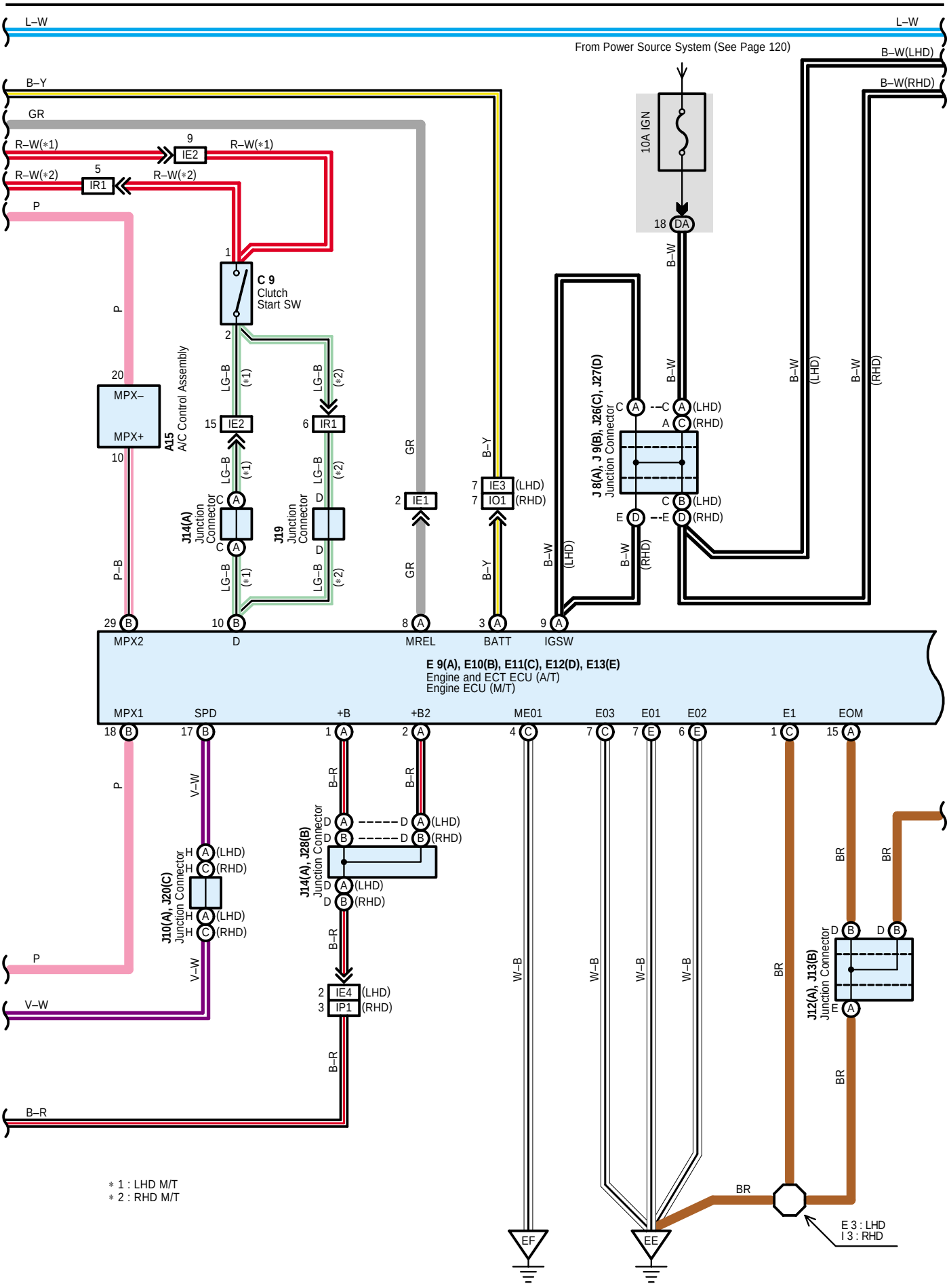
L–W
L–W
From Power Source System (See Page 120)
B–W(LHD)
B–W(RHD)
B–Y
GR
R–W(*1)
R–W(*2)
P
9
IE2
5
IR1
10A IGN
18 DA
B–W
C 9
Clutch
Start SW
1
2
20
MPX–
MPX+
10
A15
A/C Control Assembly
LG–B
(*1)
(*2)
15 IE2
6 IR1
J14(A)
Junction
Connector
J19
Junction
Connector
P–B
GR
B–Y
2 IE1
7 IE3 (LHD)
7 IO1 (RHD)
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
B–W
(LHD)
(RHD)
C A (LHD)
A C (RHD)
C B (LHD)
E D (RHD)
29 B
MPX2
10 B
D
8 A
MREL
3 A
BATT
9 A
IGSW
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
MPX1
SPD
+B
+B2
ME01
E03
E01
E02
E1
EOM
18 B
17 B
1 A
2 A
4 C
7 C
7 E
6 E
1 C
15 A
V–W
B–R
W–B
BR
J10(A), J20(C)
Junction Connector
H A (LHD)
H C (RHD)
J14(A), J28(B)
Junction Connector
D A (LHD)
D B (RHD)
2 IE4 (LHD)
3 IP1 (RHD)
J12(A), J13(B)
Junction Connector
D B
A
EF
EE
E 3 : LHD
I 3 : RHD
* 1 : LHD M/T
* 2 : RHD M/T

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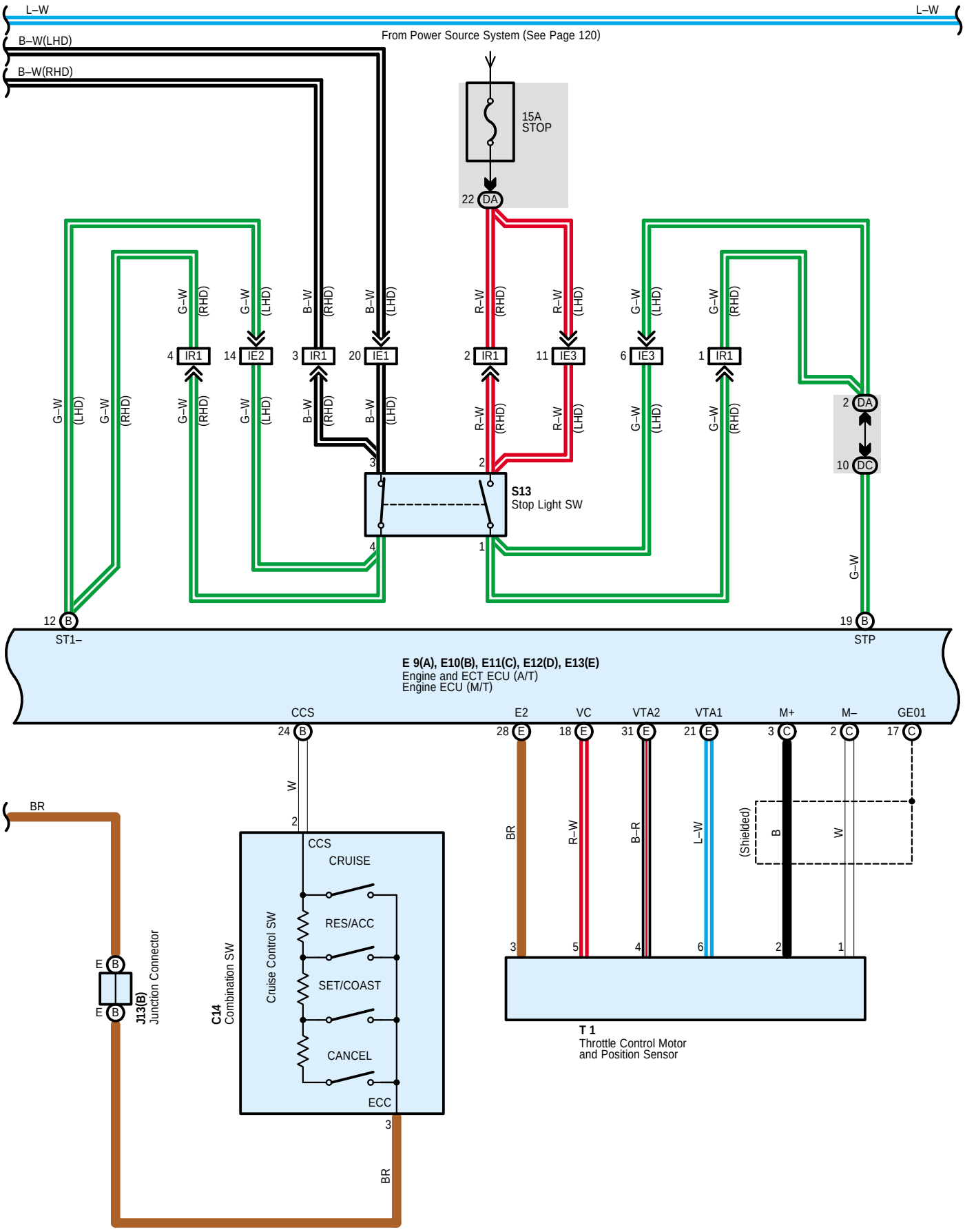
Cruise Control (1AZ–FSE)



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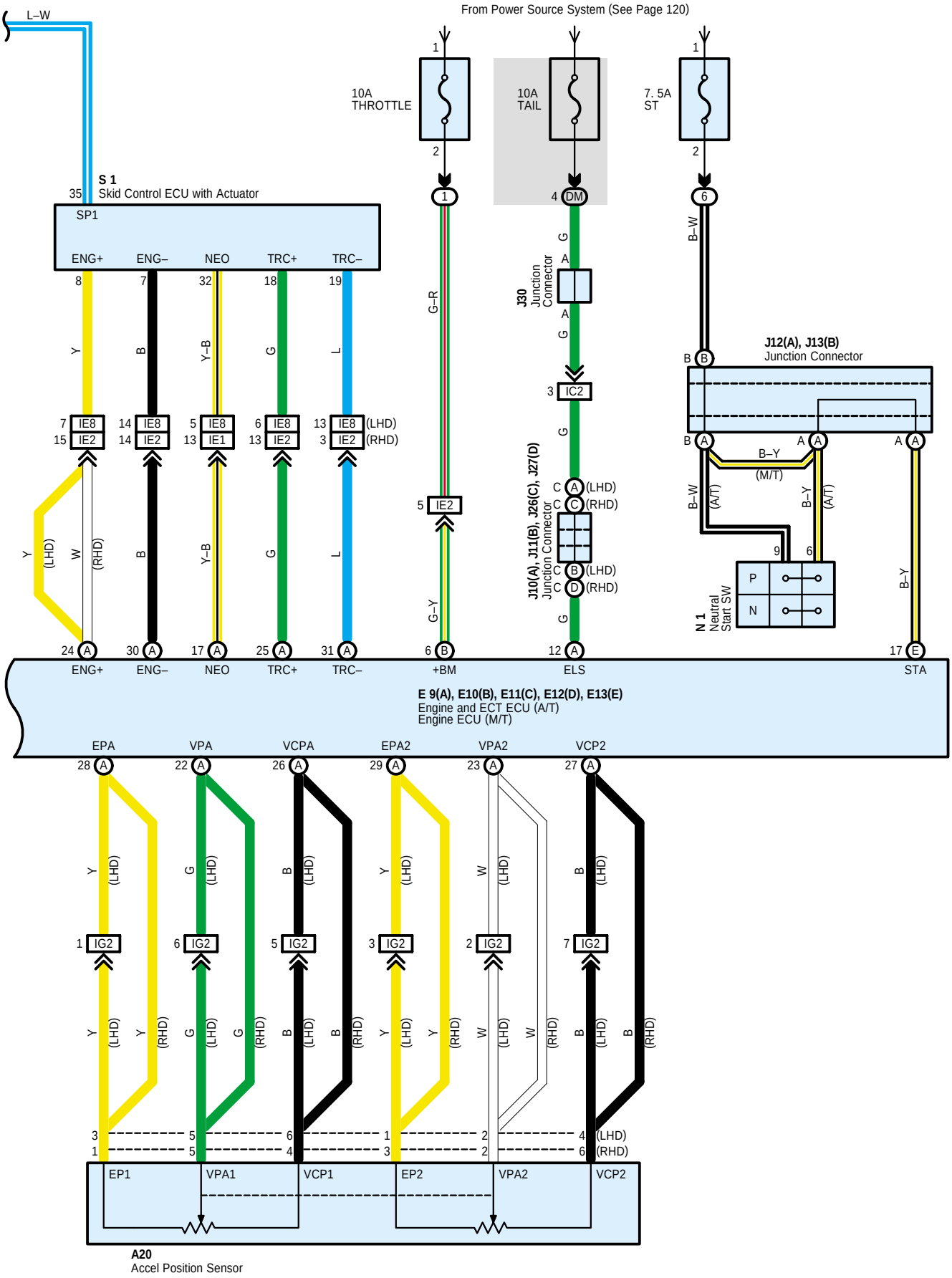
From Power Source System (See Page 120)
L–W
10A THROTTLE
10A TAIL
7. 5A ST
S 1
Skid Control ECU with Actuator
SP1
ENG+
ENG–
NEO
TRC+
TRC–
J30 Junction Connector
J12(A), J13(B) Junction Connector
J10(A), J11(B), J26(C), J27(D) Junction Connector
N 1 Neutral Start SW
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
EPA
VPA
VCPA
EPA2
VPA2
VCP2
A20
Accel Position Sensor
EP1
VPA1
VCP1
EP2
VPA2
VCP2

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System Outline

The cruise control system is a fixed speed driving control function that, when you want to drive your car on a highway at a fixed speed, automatically adjusts the opening of the throttle valve simply by manually operating the cruise control SW without stamping on the accelerator pedal.

1. Set Operation

When the cruise control main SW is turned on, the system starts preparations necessary for the cruiser control and turns on the CRUISE indicator light in the combination meter.

2. Set Speed Control

When the SET/COAST SW is operated with the cruise control main SW turned on during travelling, the constant vehicle speed is controlled.

3. Coast Control

When the SET/COAST SW is kept on during cruise control driving, this system reduces the requested cruise control opening to 0 to decelerate the car (However, the throttle valve is not fully closed by the ISC, etc.), and stores the car speed at the time the SW is turned off, and provides fixed speed control.

4. Accel Control

When the RESUME/ACCEL SW is kept on during cruise control driving, this system performs fixed acceleration control by running the electronic throttle motor in the opening direction of the throttle valve, and stores the car speed at the time the SW is turned off, and provides fixed speed control.

5. Resume Control

If the driving speed is still above the lower speed limit after cruise control by signals is canceled with the stop light SW on, the clutch SW off, the CANCEL SW of the cruise control SW on, and the VSC activated, fixed acceleration control is performed by setting the RESUME/ACCEL SW from off to on to reset the car speed to the speed stored at the time of cancellation.

6. Tap–Up Control Function

This function increases the stored car speed by approximately 1.5 km/h each time the RESUME/ACCEL SW is instantaneously (For approximately 0.5 seconds) turned on.
However, if the difference between the stored and actual car speeds is 5 km/h or more, the stored car speed cannot be changed by this operation.

7. Tap–Down Control Function

This function reduces the stored car speed by approximately 1.5 km/h each time the SET/COAST SW is instantaneously (For approximately 0.5 seconds) turned on.
However, if the difference between the stored and actual car speeds is 5 km/h or more, the car speed at the time the switch is turned off is stored for fixed speed control by tap–down operation.

8. Manual Cancel Mechanism

If any of the following signals is input during cruise control travelling, the cruise control is cancelled.
* The stop light SW is turned on.
* The clutch SW is turned off.
* The CANCEL SW is turned on.
* The cruise control main SW is turned off.
* The VSC is activated.

9. Auto Cancel Function

A) If either of the following problems occurs, the stored speed will be cleared, and control will be canceled.
In this case, the CRUISE indicator will remain flickering until the main SW is turned off, and control will stay disabled until the main SW is turned on.
* The stop light SW is disconnected or shorted.
* The vehicle speed signal is faulty.
* The electronically controlled throttle malfunctions.

B) If any of the following problems occurs, the stored speed will be cleared, and control will be canceled.
In this case, the CRUISE indicator will remain flickering until the main SW is turned off, and control will stay disabled until the ignition SW is turned off.
* The stop light SW input circuit is malfunctioning.
* The cancel circuit is malfunctioning.

C) If any of the following conditions occurs during cruise control operation, the set speed is erased and the cruise control is released.
* When the vehicle speed falls below the minimum speed limit (Approx. 40 km/h 25 mph).
* The driving speed is more than 16 km/h below the stored car speed.

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Service Hints

E9 (A), E10 (B), E11 (C), E13 (E) Engine and ECT ECU (A/T) or Engine ECU (M/T)

(A) 9–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 1, (A) 2, (A) 3, (B) 6–Ground : Always approx. 12 volts
(A) 15, (C) 1, (C) 4, (C) 7, (E) 6, (E) 7–Ground : Always continuity
(B) 19–Ground : Approx. 12 volts with the stop light SW at on
(B) 24–Ground : Continuity with the cruise control main SW at on
Approx. 1540 Ω with the CANCEL SW on in cruise control SW
Approx. 240 Ω with the RES/ACC SW on in cruise control SW
Approx. 630 Ω with the SET/COAST SW on in cruise control SW

C14 Combination SW

2–3 : Approx. 1540 Ω with the CANCEL SW on
Approx. 240 Ω with the RES/ACC SW on
Approx. 630 Ω with the SET/COAST SW on

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A15	46 (LHD)	E12 D	47 (LHD)	J27 D	68 (RHD)
	66 (RHD)		67 (RHD)	J28 B	68 (RHD)
A20	46 (LHD)	E13 E	47 (LHD)	J30	51 (LHD S/D)
	66 (RHD)		67 (RHD)		53 (LHD L/B)
C9	46 (LHD)	I14	47 (LHD)		55 (LHD W/G)
	66 (RHD)		67 (RHD)		71 (RHD S/D)
C10 A	46 (LHD)	J8 A	48 (LHD)		73 (RHD L/B)
	66 (RHD)	J9 B	48 (LHD)		75 (RHD W/G)
C11 B	46 (LHD)	J10 A	48 (LHD)	N1	39 (*3)
	66 (RHD)	J11 B	48 (LHD)		59 (*7)
C14	46 (LHD)	J12 A	48 (LHD)	S1	39 (*3)
	66 (RHD)		68 (RHD)		59 (*7)
E9 A	47 (LHD)	J13 B	48 (LHD)	S13	49 (LHD)
	67 (RHD)		68 (RHD)		69 (RHD)
E10 B	47 (LHD)	J14 A	48 (LHD)	T1	39 (*3)
	67 (RHD)	J19	68 (RHD)		59 (*7)
E11 C	47 (LHD)	J20 C	68 (RHD)		
	67 (RHD)	J26 C	68 (RHD)		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CE		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE4		
IE8		
IG2	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IP1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	98 (*7)	
	104 (*10)	
EE	78 (*3)	Intake Side of Cylinder Block
	98 (*7)	
EF	78 (*3)	Left Side of the Cylinder Head
	98 (*7)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E3	78 (*3)	Engine Wire	I3	108 (RHD)	Engine Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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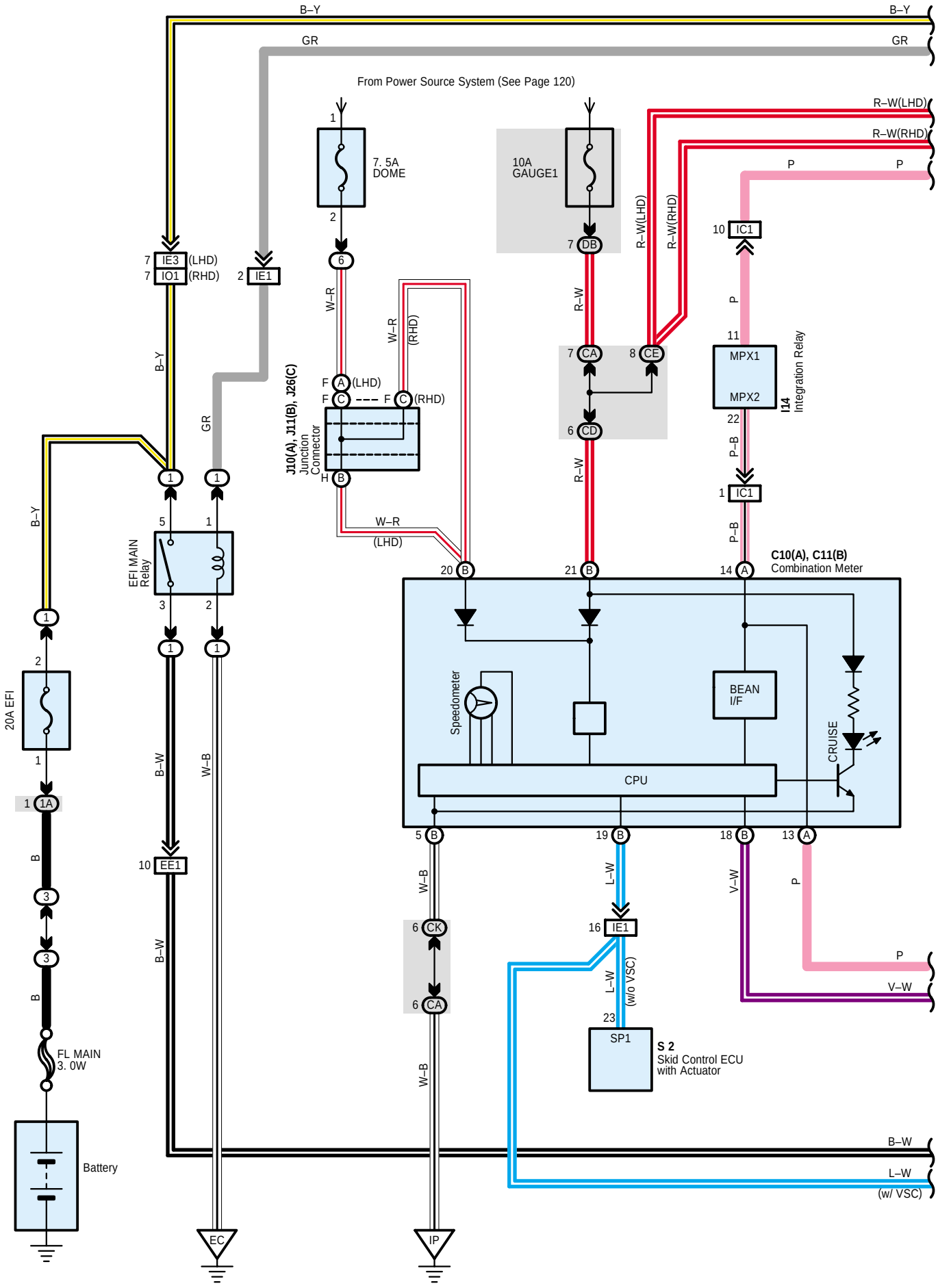
B–Y
GR
From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
R–W(LHD)
R–W(RHD)
7 IE3 (LHD)
7 IO1 (RHD)
2 IE1
W–R
R–W
P
10 IC1
11 MPX1
MPX2
I14
Integration Relay
22
P–B
1 IC1
J10(A), J11(B), J26(C)
Junction
Connector
F A (LHD)
F C --- F C (RHD)
H B
7 DB
7 CA
8 CE
6 CD
EFI MAIN
Relay
20A EFI
FL MAIN
3. 0W
Battery
10 EE1
B–W
W–B
C10(A), C11(B)
Combination Meter
20 B
21 B
14 A
Speedometer
BEAN
I/F
CRUISE
CPU
5 B
19 B
18 B
13 A
6 CK
6 CA
16 IE1
L–W
V–W
(w/o VSC)
23
SP1
S 2
Skid Control ECU
with Actuator
(w/ VSC)
EC
IP

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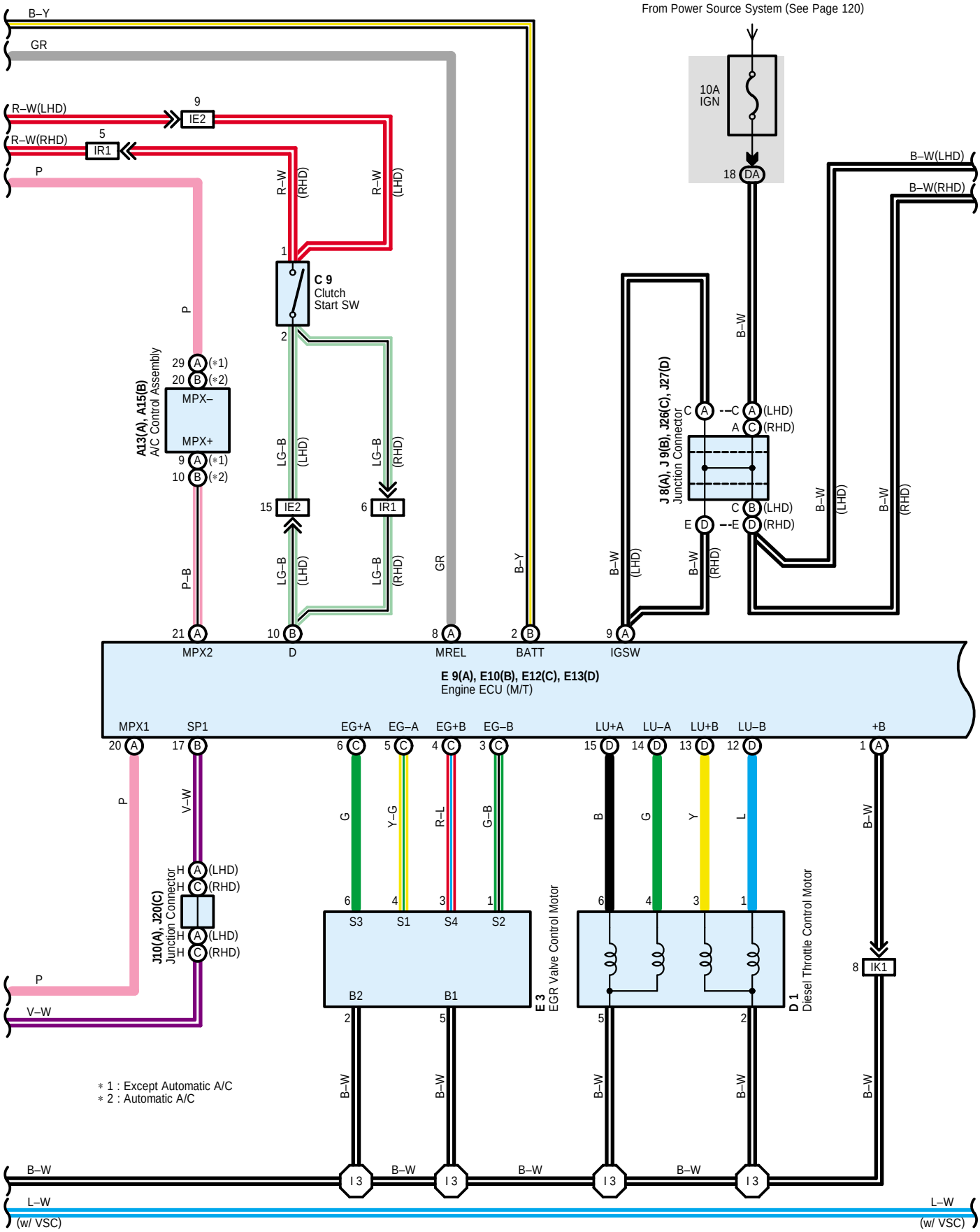
From Power Source System (See Page 120)
B–Y
GR
R–W(LHD)
R–W(RHD)
P
9
IE2
5
IR1
10A
IGN
18
DA
B–W(LHD)
B–W(RHD)
R–W (RHD)
R–W (LHD)
1
C 9
Clutch
Start SW
2
P
A13(A), A15(B)
A/C Control Assembly
29 A (*1)
20 B (*2)
MPX–
MPX+
9 A (*1)
10 B (*2)
LG–B (LHD)
LG–B (RHD)
15 IE2
6 IR1
P–B
LG–B (LHD)
LG–B (RHD)
GR
B–Y
B–W
B–W
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
C A --C A (LHD)
A C (RHD)
C B (LHD)
E D --E D (RHD)
B–W (LHD)
B–W (RHD)
B–W (LHD)
B–W (RHD)
21 A
MPX2
10 B
D
8 A
MREL
2 B
BATT
9 A
IGSW
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
MPX1
SP1
EG+A
EG–A
EG+B
EG–B
LU+A
LU–A
LU+B
LU–B
+B
20 A
17 B
6 C
5 C
4 C
3 C
15 D
14 D
13 D
12 D
1 A
P
V–W
G
Y–G
R–L
G–B
B
G
Y
L
B–W
H A (LHD)
H C (RHD)
J10(A), J20(C)
Junction Connector
H A (LHD)
H C (RHD)
6
4
3
1
6
4
3
1
S3
S1
S4
S2
B2
B1
E 3
EGR Valve Control Motor
D 1
Diesel Throttle Control Motor
8 IK1
2
5
5
2
B–W
B–W
B–W
B–W
B–W
I 3
I 3
I 3
I 3
B–W
B–W
B–W
L–W
(w/ VSC)
L–W
(w/ VSC)
* 1 : Except Automatic A/C
* 2 : Automatic A/C

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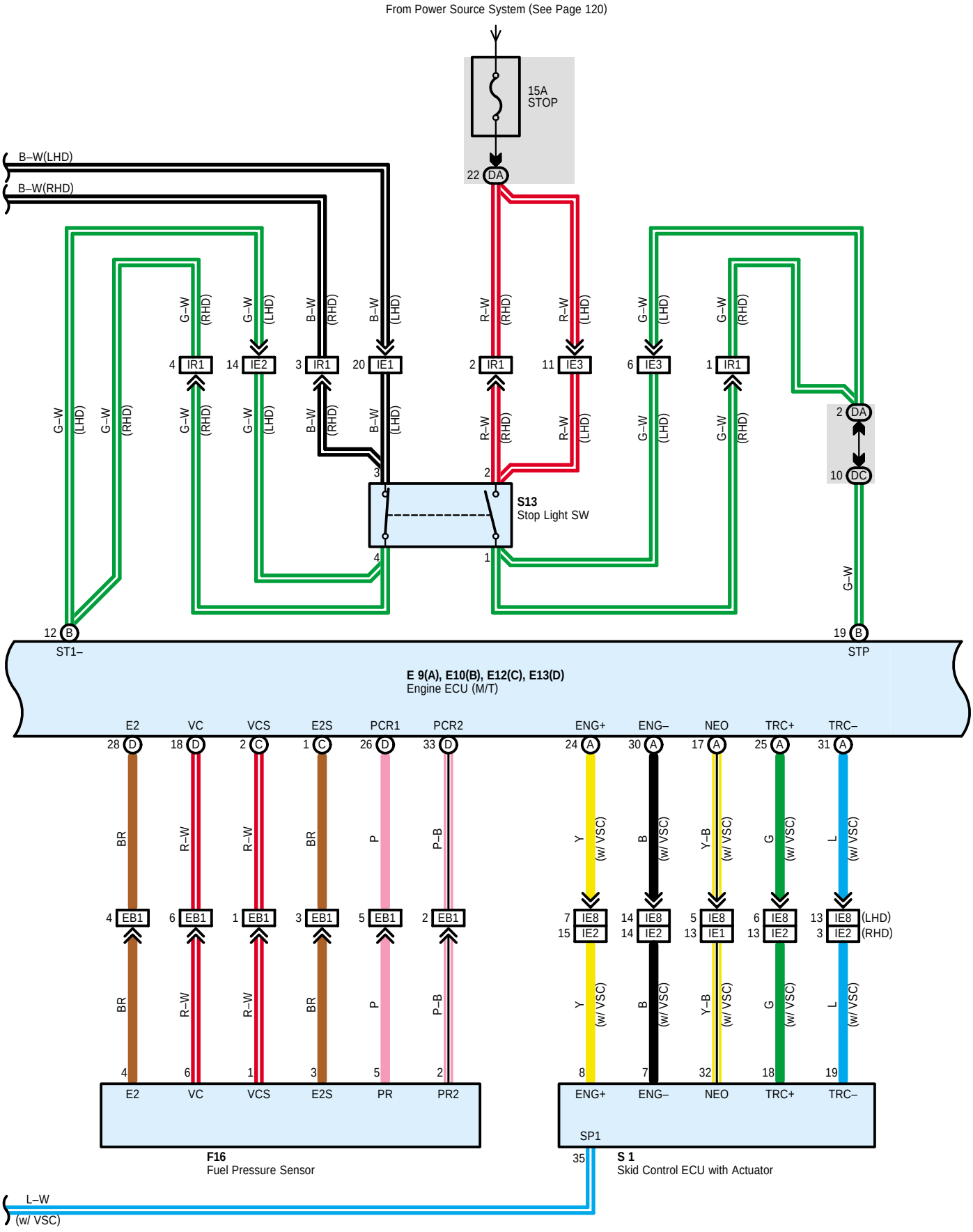
From Power Source System (See Page 120)
15A
STOP
22 DA
B–W(LHD)
B–W(RHD)
G–W (LHD)
G–W (RHD)
B–W (RHD)
B–W (LHD)
R–W (RHD)
R–W (LHD)
4 IR1
14 IE2
3 IR1
20 IE1
2 IR1
11 IE3
6 IE3
1 IR1
2 DA
10 DC
S13
Stop Light SW
12 B
ST1–
19 B
STP
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
E2
VC
VCS
E2S
PCR1
PCR2
ENG+
ENG–
NEO
TRC+
TRC–
BR
R–W
P
P–B
Y
B
Y–B
G
L
(w/ VSC)
4 EB1
6 EB1
1 EB1
3 EB1
5 EB1
2 EB1
7 IE8 15 IE2
14 IE8 14 IE2
5 IE8 13 IE1
6 IE8 13 IE2
13 IE8 (LHD) 3 IE2 (RHD)
F16
Fuel Pressure Sensor
SP1
35
S 1
Skid Control ECU with Actuator
L–W
(w/ VSC)

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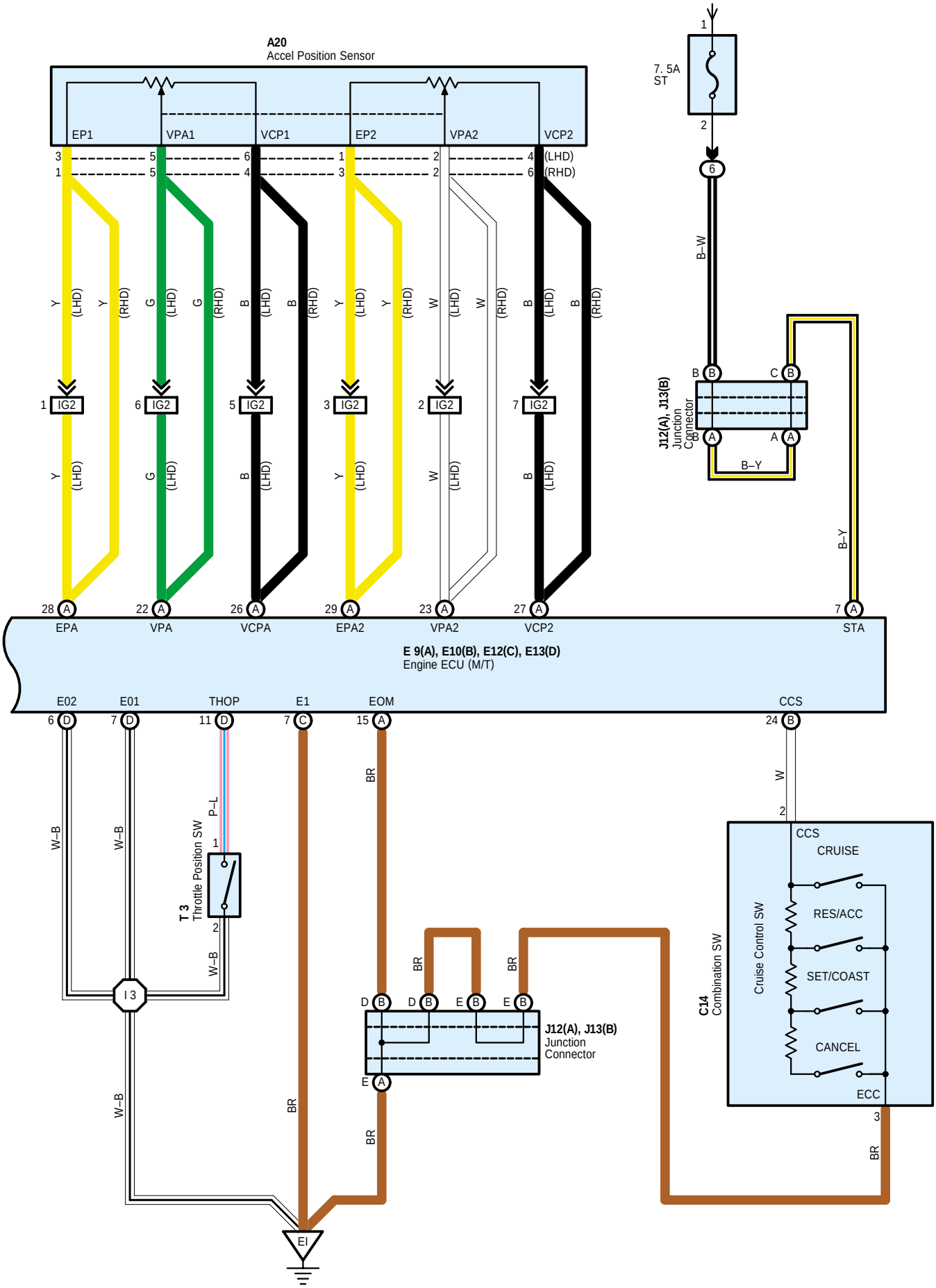
From Power Source System (See Page 120)



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System Outline

The cruise control system is a fixed speed driving control function that, when you want to drive your car on a highway at a fixed speed, controls the fuel injection simply by manually operating the cruise control SW without stamping on the accelerator pedal.

1. Set Operation

When the cruise control main SW is turned on, the system starts preparations necessary for the cruiser control and turns on the CRUISE indicator light in the combination meter.

2. Set Speed Control

When the SET/COAST SW is operated with the cruise control main SW turned on during travelling, the constant vehicle speed is controlled.

3. Coast Control

When the SET/COAST SW is kept on during cruise control driving, this system reduces the requested cruise control opening to 0 to decelerate the car (However, the throttle valve is not fully closed by the ISC, etc.), and stores the car speed at the time the SW is turned off, and provides fixed speed control.

4. Accel Control

When the RESUME/ACCEL SW is kept on during cruise control driving, this system performs fixed acceleration control in the direction the fuel injection increases, and stores the car speed at the time the SW is turned off, and provides fixed speed control.

5. Resume Control

If the driving speed is still above the lower speed limit after cruise control by signals is canceled with the stop light SW on, the clutch SW off, the CANCEL SW of the cruise control SW on, and the VSC activated (w/ VSC), fixed acceleration control is performed by setting the RESUME/ACCEL SW from off to on to reset the car speed to the speed stored at the time of cancellation.

6. Tap–Up Control Function

This function increases the stored car speed by approximately 1.5 km/h each time the RESUME/ACCEL SW is instantaneously (For approximately 0.5 seconds) turned on.
However, if the difference between the stored and actual car speeds is 5 km/h or more, the stored car speed cannot be changed by this operation.

7. Tap–Down Control Function

This function reduces the stored car speed by approximately 1.5 km/h each time the SET/COAST SW is instantaneously (For approximately 0.5 seconds) turned on.
However, if the difference between the stored and actual car speeds is 5 km/h or more, the car speed at the time the SW is turned off is stored for fixed speed control by tap–down operation.

8. Manual Cancel Mechanism

If any of the following signals is input during cruise control travelling, the cruise control is cancelled.

- The stop light SW is turned on.
- The clutch SW is turned off.
- The CANCEL SW is turned on.
- The cruise control main SW is turned off.
- The VSC is activated (w/ VSC).

9. Auto Cancel Function

A) If either of the following problems occurs, the stored speed will be cleared, and control will be canceled.
In this case, the CRUISE indicator will remain flickering until the main SW is turned off, and control will stay disabled until the main SW is turned on.
- The stop light SW is disconnected or shorted.
- The vehicle speed signal is faulty.
- The fuel injection unit is malfunctioning.

B) If any of the following problems occurs, the stored speed will be cleared, and control will be canceled.
In this case, the CRUISE indicator will remain flickering until the main SW is turned off, and control will stay disabled until the ignition SW is turned off.
- The stop light SW input circuit is malfunctioning.
- The cancel circuit is malfunctioning.

C) If any of the following conditions occurs during cruise control operation, the set speed is erased and the cruise control is released.
- When the vehicle speed falls below the minimum speed limit (Approx. 40 km/h 25 mph).
- The driving speed is more than 16 km/h below the stored car speed.

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Service Hints

E9 (A), E10 (B), E12 (C), E13 (D) Engine ECU (M/T)

(A) 9–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 1, (B) 2–Ground : Always approx. 12 volts
(A) 15, (C) 7, (D) 6, (D) 7–Ground : Always continuity
(B) 19–Ground : Approx. 12 volts with the stop light SW at on
(B) 24–Ground : Continuity with the cruise control main SW at on
Approx. 1540 Ω with the CANCEL SW on in cruise control SW
Approx. 240 Ω with the RES/ACC SW on in cruise control SW
Approx. 630 Ω with the SET/COAST SW on in cruise control SW

C14 Combination SW

2–3 : Approx. 1540 Ω with the CANCEL SW on
Approx. 240 Ω with the RES/ACC SW on
Approx. 630 Ω with the SET/COAST SW on

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	46 (LHD)	E3		64 (*10)	J12	A	48 (LHD)
		66 (RHD)	E9	A	47 (LHD)			68 (RHD)
A15	B	46 (LHD)			67 (RHD)	J13	B	48 (LHD)
		66 (RHD)	E10	B	47 (LHD)			68 (RHD)
A20		46 (LHD)			67 (RHD)	J20	C	68 (RHD)
		66 (RHD)	E12	C	47 (LHD)	J26	C	68 (RHD)
C9		46 (LHD)			67 (RHD)	J27	D	68 (RHD)
		66 (RHD)	E13	D	47 (LHD)	S1		45 (*6)
C10	A	46 (LHD)			67 (RHD)			65 (*10)
		66 (RHD)	F16		44 (*6)	S2		45 (*6)
C11	B	46 (LHD)			64 (*10)			65 (*10)
		66 (RHD)	I14		47 (LHD)	S13		49 (LHD)
C14		46 (LHD)			67 (RHD)			69 (RHD)
		66 (RHD)	J8	A	48 (LHD)	T3		45 (*6)
D1		44 (*6)	J9	B	48 (LHD)			65 (*10)
		64 (*10)	J10	A	48 (LHD)			
E3		44 (*6)	J11	B	48 (LHD)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	25 (*2)	Engine Room R/B No.1 (Engine Compartment Left)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25 (*2)	Engine Wire and Engine Room J/B No.1 (Engine Compartment Left)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CE		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EB1	84 (*6)	Engine Wire and Engine No.6 Wire (Near the Starter)
	104 (*10)	
EE1	84 (*6)	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
	104 (*10)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE8		
IG2	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EC	84 (*6)	Engine Compartment Left
	104 (*10)	
EI	84 (*6)	Near the Starter
	104 (*10)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	88 (LHD)	Engine Wire	I3	108 (RHD)	Engine Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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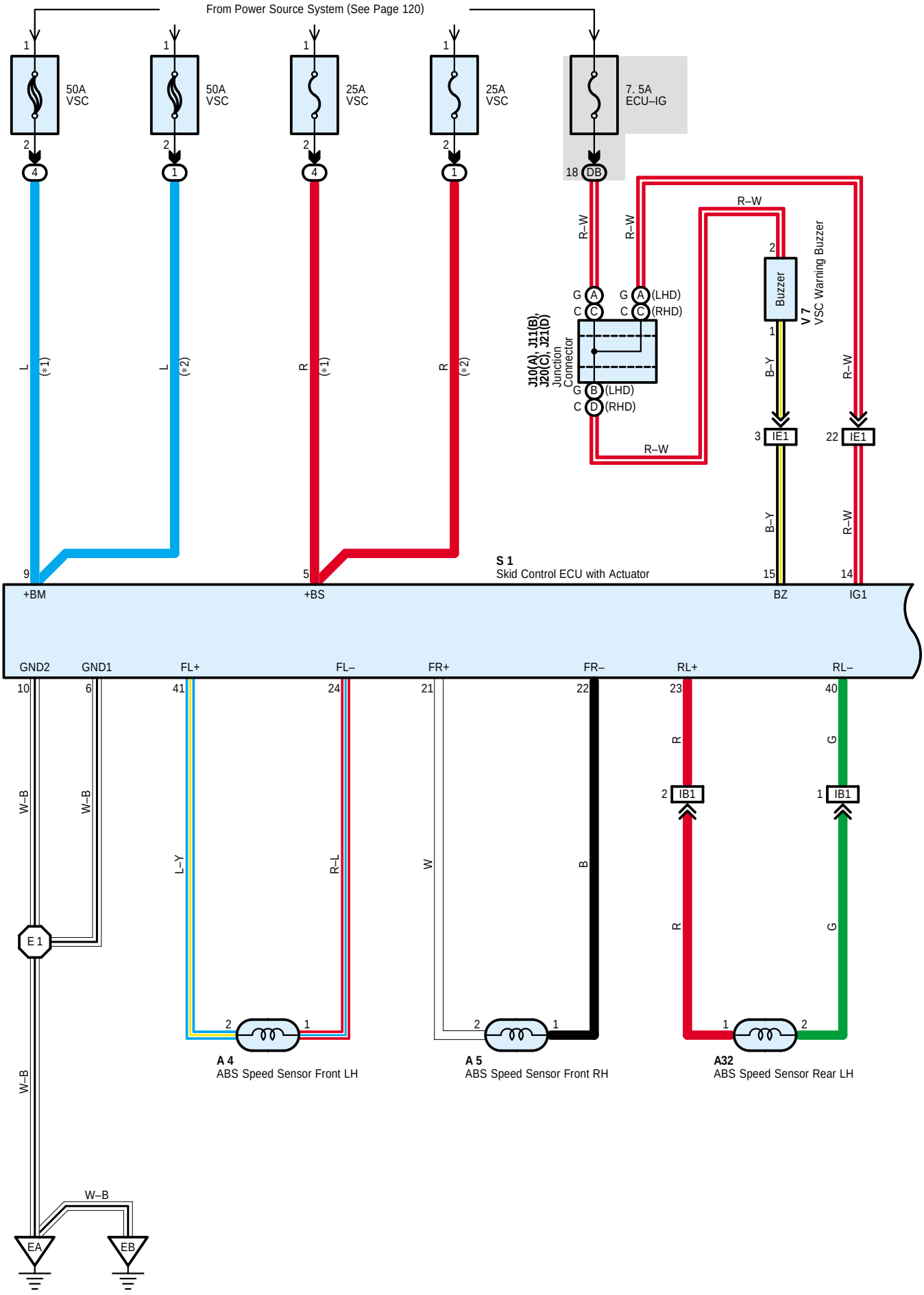
From Power Source System (See Page 120)
50A VSC
50A VSC
25A VSC
25A VSC
7. 5A ECU–IG
L (*1)
L (*2)
R (*1)
R (*2)
R–W
J10(A), J11(B), J20(C), J21(D) Junction Connector
(LHD)
(RHD)
Buzzer
V7 VSC Warning Buzzer
B–Y
S 1 Skid Control ECU with Actuator
+BM
+BS
BZ
IG1
GND2
GND1
FL+
FL–
FR+
FR–
RL+
RL–
W–B
L–Y
R–L
W
B
R
G
E 1
EA
EB
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A32 ABS Speed Sensor Rear LH

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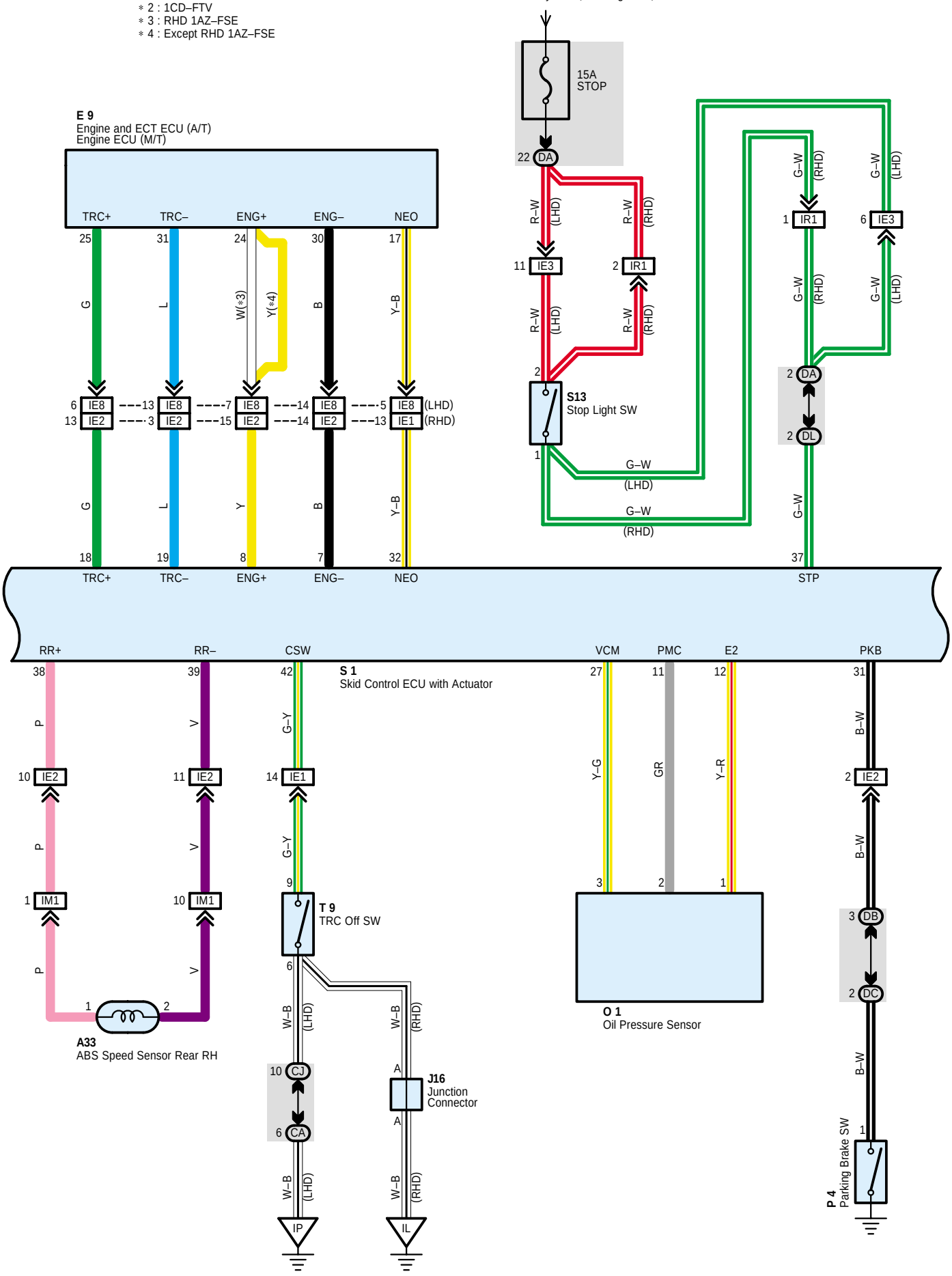
* 1 : 1AZ–FSE
* 2 : 1CD–FTV
* 3 : RHD 1AZ–FSE
* 4 : Except RHD 1AZ–FSE

From Power Source System (See Page 120)



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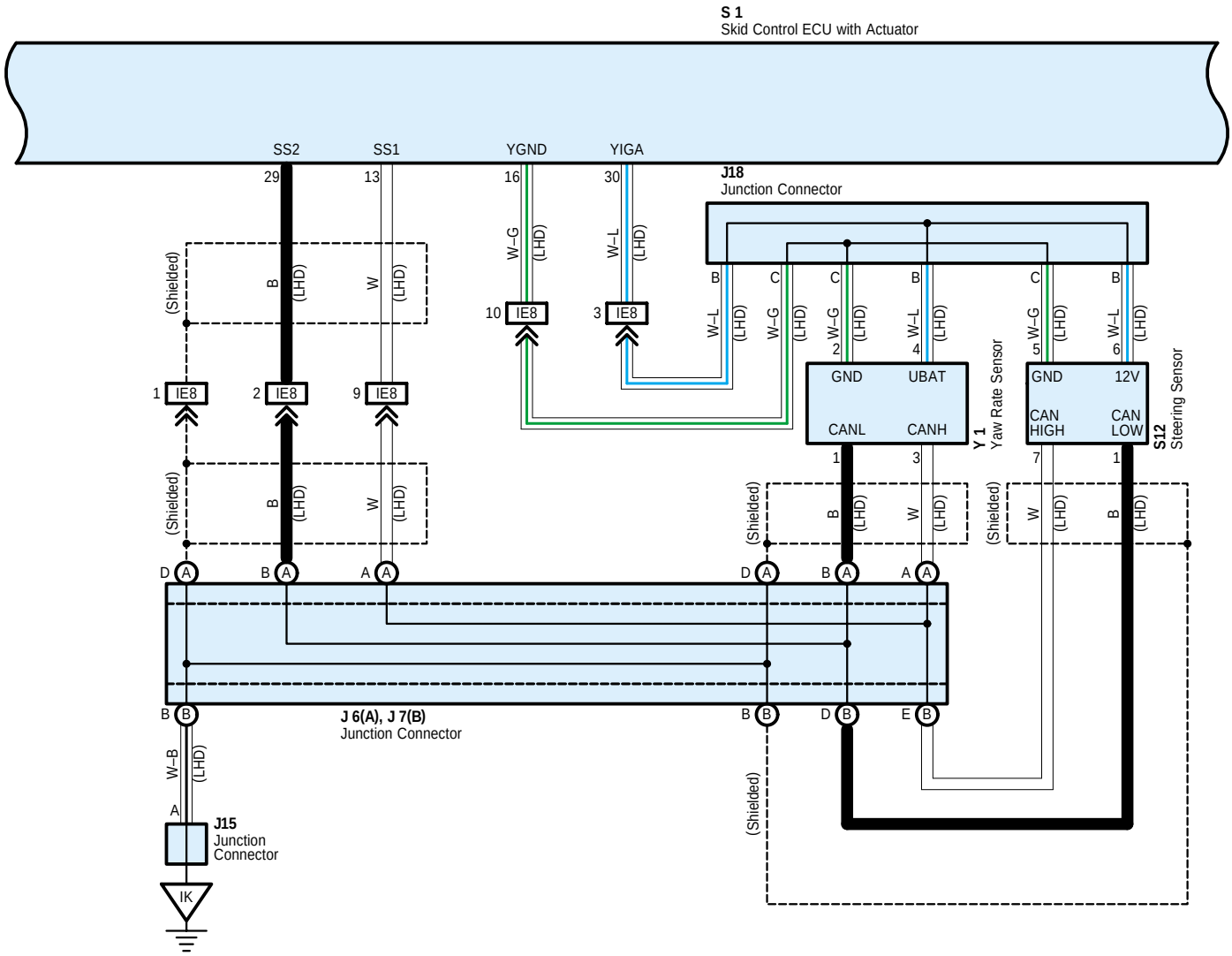
S 1
Skid Control ECU with Actuator
SS2
SS1
YGND
YIGA
29
13
16
30
J18
Junction Connector
W–G
W–L
(LHD)
B
C
10
3
IE8
2
4
5
6
GND
UBAT
CANL
CANH
Y 1
Yaw Rate Sensor
12V
CAN HIGH
CAN LOW
S12
Steering Sensor
(Shielded)
1
2
9
7
D
A
J 6(A), J 7(B)
Junction Connector
W–B
J15
Junction Connector
IK

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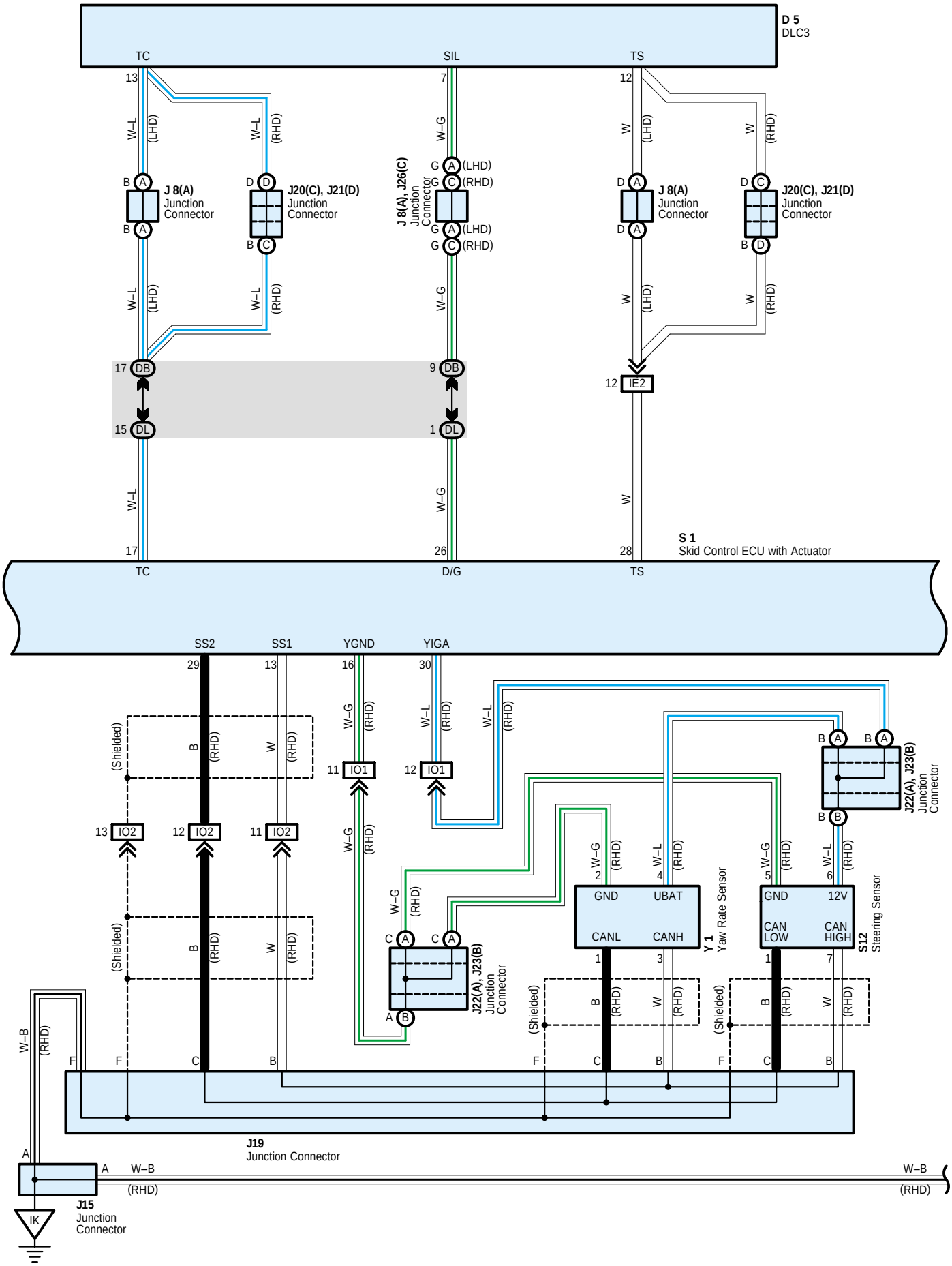
D 5
DLC3
TC
SIL
TS
J 8(A)
Junction Connector
J20(C), J21(D)
Junction Connector
J 8(A), J26(C)
Junction Connector
IE2
S 1
Skid Control ECU with Actuator
SS2
SS1
YGND
YIGA
IO1
IO2
(Shielded)
J22(A), J23(B)
Junction Connector
Y 1
Yaw Rate Sensor
S12
Steering Sensor
GND
UBAT
CANL
CANH
12V
CAN LOW
CAN HIGH
J19
Junction Connector
J15
Junction Connector
IK
W–B
W–L
W–G
(RHD)
(LHD)

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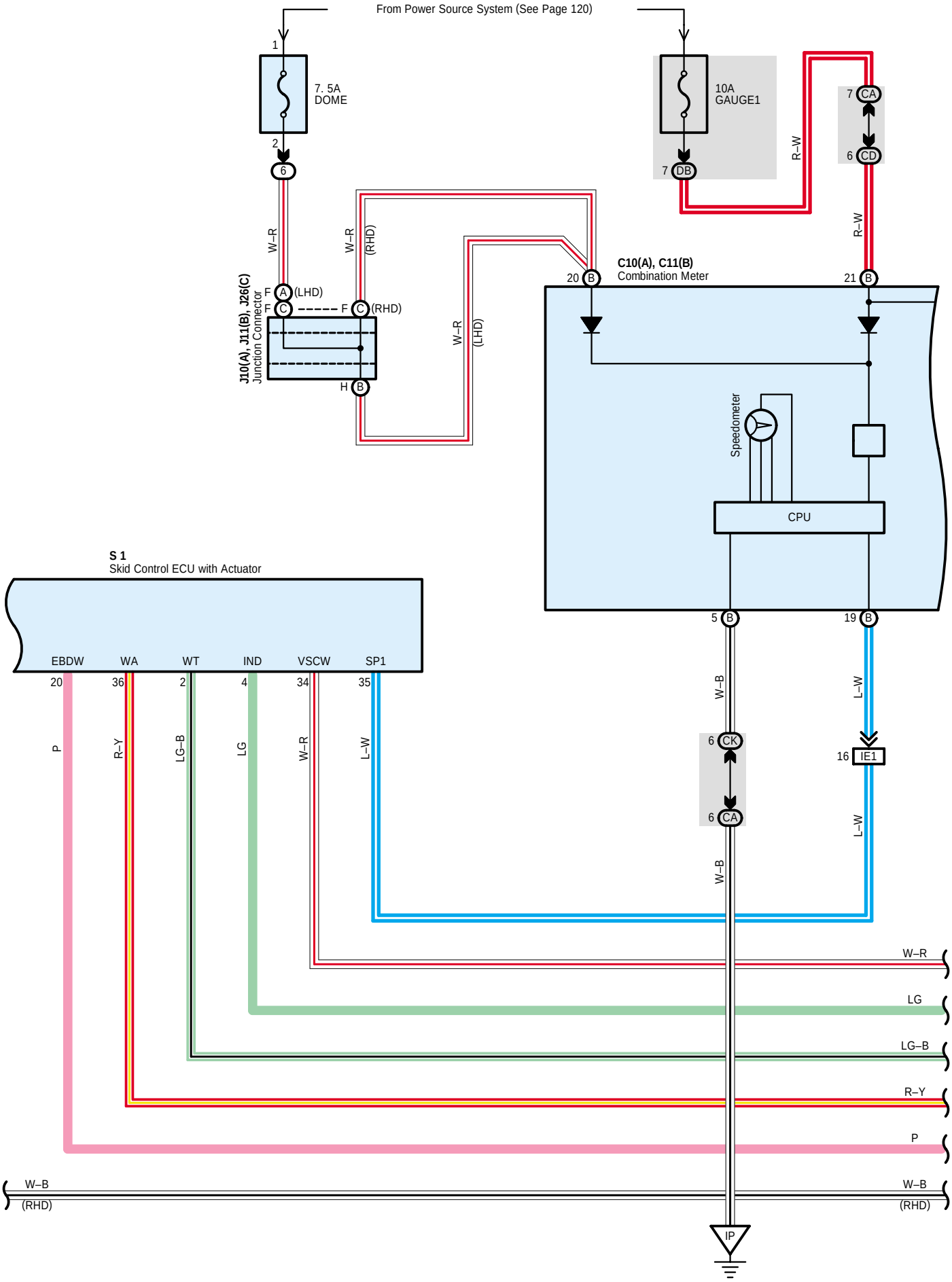
From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
W–R
W–R
(RHD)
J10(A), J11(B), J26(C)
Junction Connector
F A (LHD)
F C
F C (RHD)
H B
W–R
(LHD)
10A
GAUGE1
7 DB
R–W
7 CA
6 CD
R–W
C10(A), C11(B)
Combination Meter
20 B
21 B
Speedometer
CPU
S 1
Skid Control ECU with Actuator
EBDW
WA
WT
IND
VSCW
SP1
20
36
2
4
34
35
P
R–Y
LG–B
LG
W–R
L–W
5 B
19 B
W–B
L–W
6 CK
16 IE1
6 CA
L–W
W–B
W–R
LG
LG–B
R–Y
P
W–B
(RHD)
W–B
(RHD)
IP

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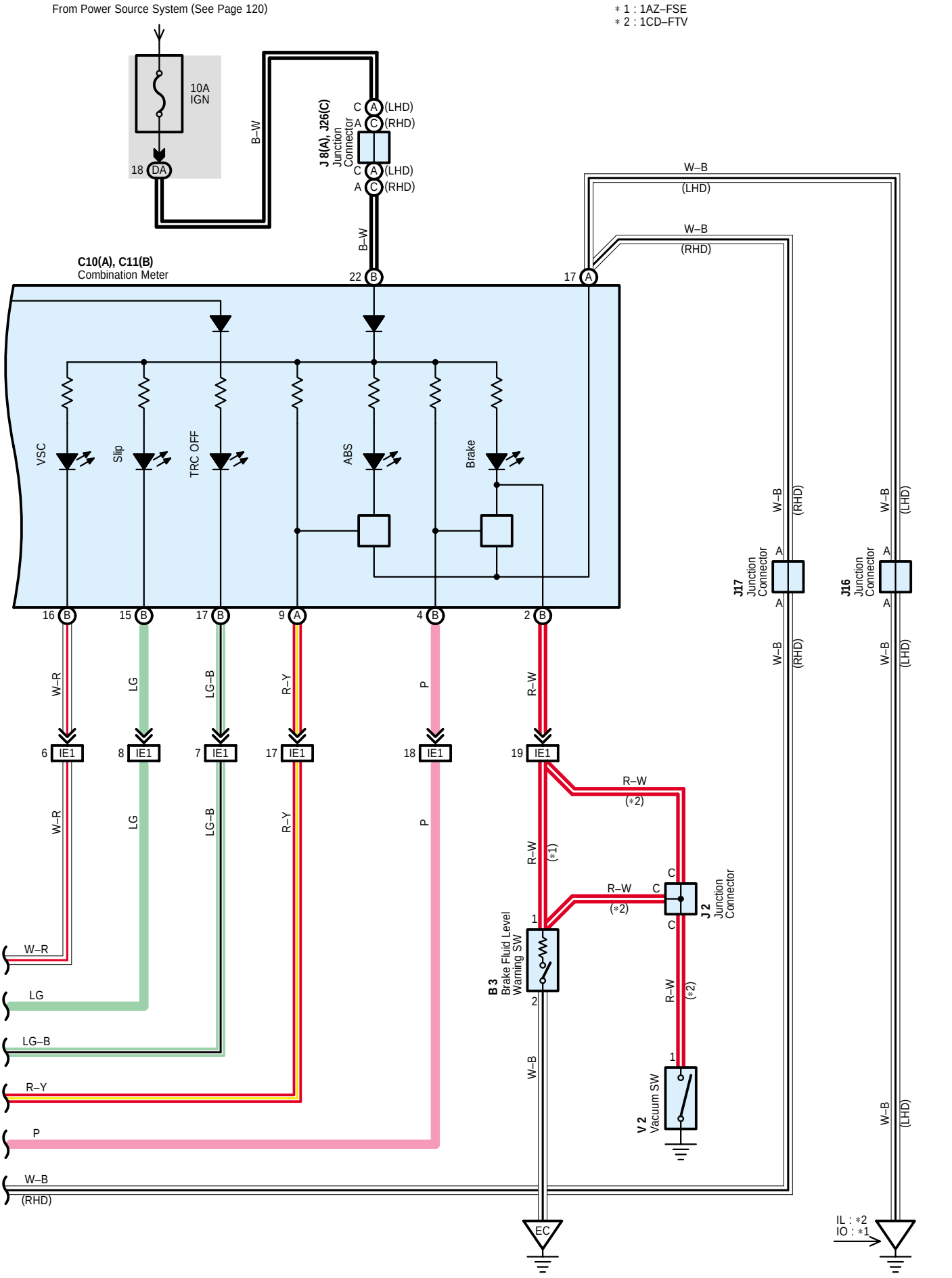
From Power Source System (See Page 120)
* 1 : 1AZ–FSE
* 2 : 1CD–FTV
10A
IGN
18 DA
B–W
J 8(A), J26(C)
Junction
Connector
C A (LHD)
A C (RHD)
C A (LHD)
A C (RHD)
B–W
22 B
C10(A), C11(B)
Combination Meter
17 A
W–B
(LHD)
W–B
(RHD)
VSC
Slip
TRC OFF
ABS
Brake
16 B
15 B
17 B
9 A
4 B
2 B
W–R
LG
LG–B
R–Y
P
R–W
6 IE1
8 IE1
7 IE1
17 IE1
18 IE1
19 IE1
R–W
(*2)
R–W
(*1)
R–W
C
(*2)
C
J 2
Junction
Connector
C
1
B 3
Brake Fluid Level
Warning SW
2
W–B
R–W
(*2)
1
V 2
Vacuum SW
J17
Junction
Connector
A
A
W–B
(RHD)
W–B
(RHD)
J16
Junction
Connector
A
A
W–B
(LHD)
W–B
(LHD)
W–R
LG
LG–B
R–Y
P
W–B
(RHD)
W–B
(LHD)
EC
IL : *2
IO : *1

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System Outline

1. ABS Operation

If the brake pedal is depressed suddenly, the ABS controls the hydraulic pressure of the wheel cylinders for all the four wheels to automatically avoid wheel locking and ensure the directional and steering stability of the vehicle. If the brake pedal is depressed suddenly, the skid control ECU with actuator controls the solenoids in the actuators using the signals from the sensors to move the brake fluid to the reservoir in order to release the braking pressure applied to the wheel cylinder. If the skid control ECU with actuator detects that the fluid pressure in the wheel cylinder is insufficient, the ECU controls the solenoids in the actuators to increase the braking pressure.

2. Traction Control Operation

The traction control system controls the engine torque, the hydraulic pressure of the driving wheel cylinders, slipping of the wheels which may occur at start or acceleration of the vehicle, to ensure an optimal driving power and vehicle stability corresponding to the road conditions.

3. VSC Operation

Unexpected road conditions, vehicle speed, emergency situation, and any other external factors may cause large under– or over–steering of the vehicle. If this occurs, the VSC system automatically controls the engine power and wheel brakes to reduce the under– or over–steering.

To reduce large over–steering :

If the VSC system determines that the over–steering is large, it activates the brakes for the outer turning wheels depending on the degree of the over–steering to produce the moment toward the outside of the vehicle and reduce the over–steering.

To reduce large under–steering :

If the VSC system determines that the under–steering is large, it controls the engine power and activates the rear wheel brakes to reduce the under–steering.

TRC off SW

The TRC off SW is used to stop the TRC function. After the engine is started, the TRC system is stopped (Turned off) and the TRC OFF indicator light lights up. When the TRC off SW is pressed again, the TRC system enters the stand–by mode. If the engine is stopped and restarted, the TRC system enters the stand–by mode regardless of the TRC off SW.

VSC indicator light

If an error occurs in the VSC system, the VSC indicator lights up to warn the driver.

4. Mutual System Control

To efficiently operate the VSC system at its optimal level, the VSC system and other control systems are mutually controlled while the VSC system is being operated.

Engine fuel injecting control

The engine power does not interfere with the VSC brake control by controlling the opening of the fuel injecting and reducing the engine output.

Engine control and electronically controlled transmission control

The strong engine braking force does not interfere with the braking force control of the VSC system by turning off the accel. and reducing changes in the driving torque at shift–down.

VSC system operation indication

The slip indicator light flashes and the buzzer sounds intermittently to warn the driver that the current road is slippery, while the VSC system is being operated.

5. Fail Safe Function

If an error occurs in the skid control ECU with actuator, sensor signals, and/or actuators, the skid control ECU with actuator inhibits the brake actuator control and inputs the error signal to the engine and ECT ECU (A/T) or engine ECU (M/T). According to the error signal, the brake actuator turns off the solenoid and the engine and ECT ECU (A/T) or engine ECU (M/T) rejects any electronically controlled fuel injection request from the VSC system. As a result, the vehicle functions without the ABS, TRC, and VSC systems.

Service Hints

S1 Skid Control ECU with Actuator

5, 9–Ground : Always approx. 12 volts
14–Ground : Approx. 12 volts with ignition SW at ON position
37–Ground : Approx. 12 volts with stop light SW on
6, 10–Ground : Always continuity

A4, A5 ABS Speed Sensor Front LH, RH

2–1 : Approx. 1.2–1.6 kΩ (20˚C, 68˚F)

A32, A33 ABS Speed Sensor Rear LH, RH

1–2 : Approx. 1.0–1.4 kΩ (20˚C, 68˚F)

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: Parts Location

Code	See Page	Code	See Page	Code	See Page
A4	38 (*3)	C10 A	66 (RHD)	J26 C	68 (RHD)
	44 (*6)	C11 B	46 (LHD)	O1	39 (*3)
	58 (*7)		66 (RHD)		45 (*6)
	64 (*10)	D5	47 (LHD)		59 (*7)
A5	38 (*3)		67 (RHD)		65 (*10)
	44 (*6)	E9	47 (LHD)	P4	49 (LHD)
	58 (*7)		67 (RHD)		69 (RHD)
	64 (*10)	J2	45 (*6)	S1	39 (*3)
A32	50 (LHD S/D)		65 (*10)		45 (*6)
	52 (LHD L/B)	J6 A	48 (LHD)		59 (*7)
	54 (LHD W/G)	J7 B	48 (LHD)		65 (*10)
	70 (RHD S/D)	J8 A	48 (LHD)	S12	49 (LHD)
	72 (RHD L/B)	J10 A	48 (LHD)		69 (RHD)
	74 (RHD W/G)	J11 B	48 (LHD)	S13	49 (LHD)
A33	50 (LHD S/D)	J15	48 (LHD)		69 (RHD)
	52 (LHD L/B)		68 (RHD)	T9	49 (LHD)
	54 (LHD W/G)	J16	48 (LHD)		69 (RHD)
	70 (RHD S/D)		68 (RHD)	V2	45 (*6)
	72 (RHD L/B)	J17	68 (RHD)		65 (*10)
	74 (RHD W/G)	J18	48 (LHD)	V7	49 (LHD)
B3	38 (*3)	J19	68 (RHD)		69 (RHD)
	44 (*6)	J20 C	68 (RHD)	Y1	49 (LHD)
	58 (*7)	J21 D	68 (RHD)		69 (RHD)
	64 (*10)	J22 A	68 (RHD)		
C10 A	46 (LHD)	J23 B	68 (RHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CJ	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE8		
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IO2		
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EA	78 (*3)	Engine Compartment Right
	84 (*6)	
	98 (*7)	
	104 (*10)	
EB	78 (*3)	
	84 (*6)	
	98 (*7)	
	104 (*10)	
EC	78 (*3)	Engine Compartment Left
	84 (*6)	
	98 (*7)	
	104 (*10)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	E1	98 (*7)	Engine Room Main Wire
	84 (*6)			104 (*10)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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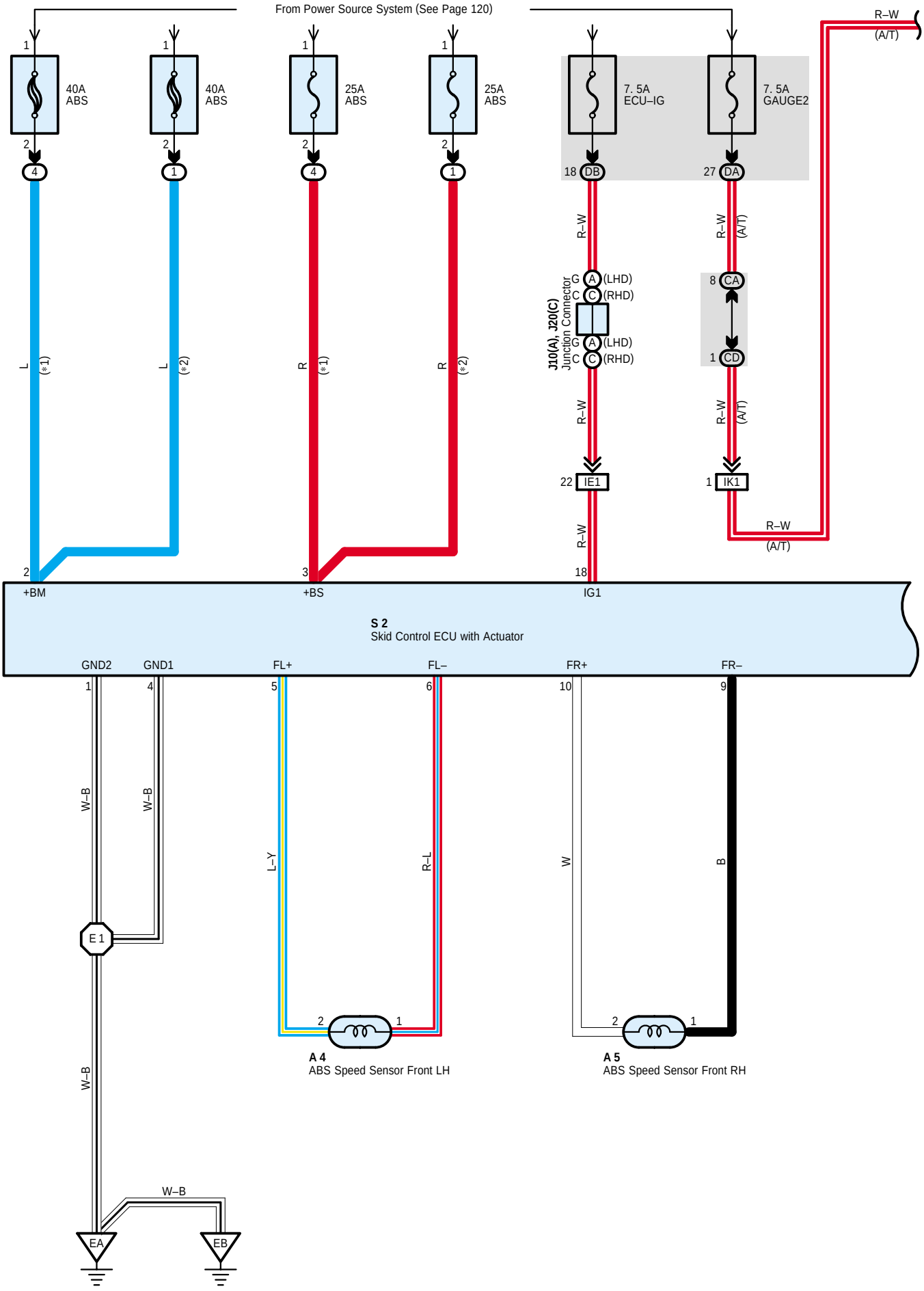
From Power Source System (See Page 120)
40A ABS
40A ABS
25A ABS
25A ABS
7. 5A ECU–IG
7. 5A GAUGE2
R–W (A/T)
J10(A), J20(C) Junction Connector
(LHD)
(RHD)
+BM
+BS
IG1
S 2
Skid Control ECU with Actuator
GND2
GND1
FL+
FL–
FR+
FR–
E 1
A 4
ABS Speed Sensor Front LH
A 5
ABS Speed Sensor Front RH
EA
EB

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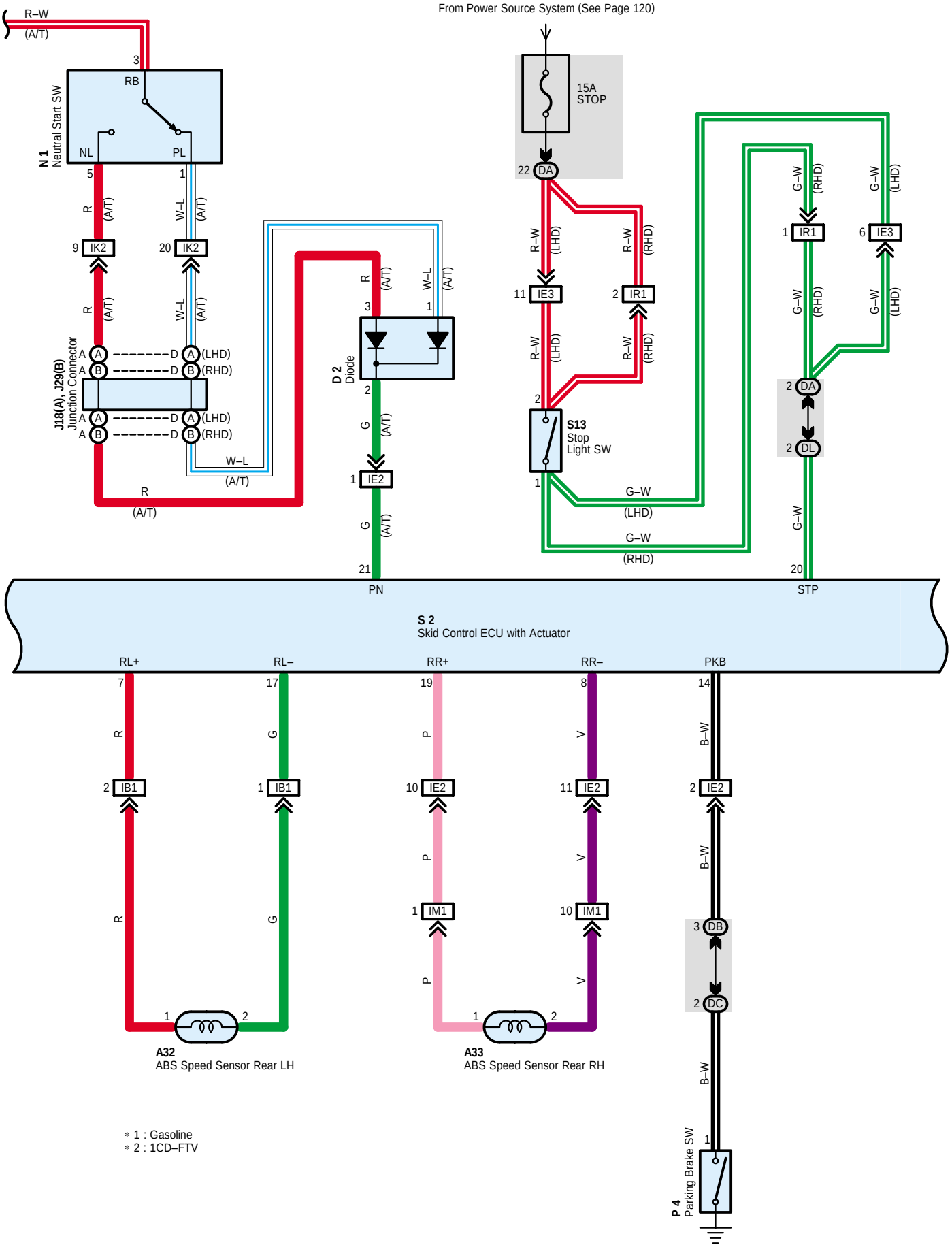
From Power Source System (See Page 120)
R–W
(A/T)
N 1
Neutral Start SW
RB
NL
PL
15A
STOP
22 DA
J18(A), J29(B)
Junction Connector
D 2
Diode
S13
Stop
Light SW
S 2
Skid Control ECU with Actuator
RL+
RL–
RR+
RR–
PKB
PN
STP
A32
ABS Speed Sensor Rear LH
A33
ABS Speed Sensor Rear RH
P 4
Parking Brake SW
* 1 : Gasoline
* 2 : 1CD–FTV

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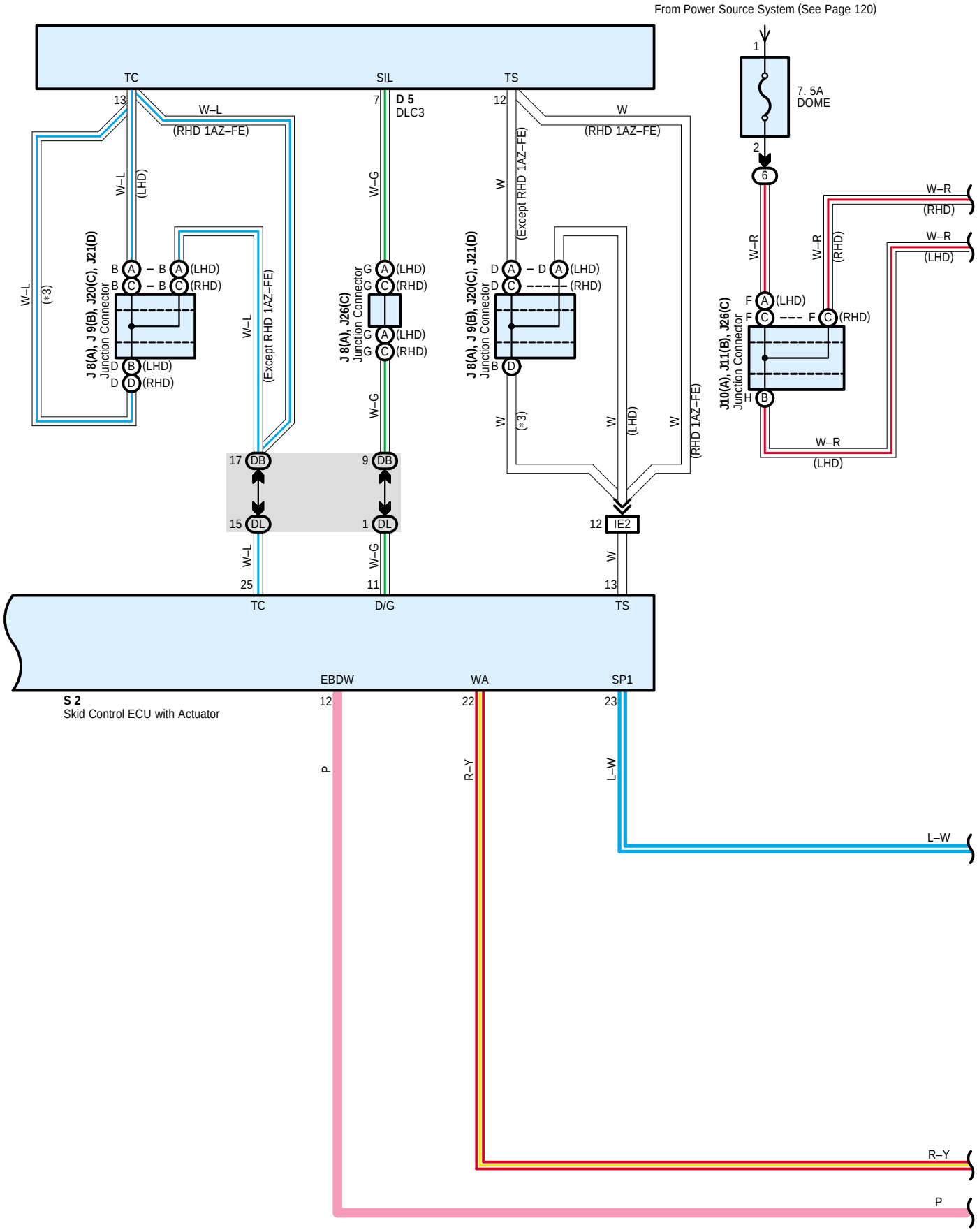
From Power Source System (See Page 120)
TC
SIL
TS
13
7
12
W–L
(RHD 1AZ–FE)
D 5
DLC3
W
(RHD 1AZ–FE)
1
7. 5A
DOME
2
6
W–L
(LHD)
W–G
W
(Except RHD 1AZ–FE)
W–R
(RHD)
W–R
(LHD)
W–L
(*3)
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
B A – B A (LHD)
B C – B C (RHD)
D B (LHD)
D D (RHD)
J 8(A), J26(C)
Junction Connector
G A (LHD)
G C (RHD)
G A (LHD)
G C (RHD)
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
D A – D A (LHD)
D C ----- (RHD)
B D
W
(*3)
W
(LHD)
W
(RHD 1AZ–FE)
J10(A), J11(B), J26(C)
Junction Connector
F A (LHD)
F C --- F C (RHD)
H B
W–R
(LHD)
(Except RHD 1AZ–FE)
17 DB
9 DB
15 DL
1 DL
12 IE2
W–L
W–G
W
25
11
13
TC
D/G
TS
EBDW
WA
SP1
S 2
Skid Control ECU with Actuator
12
22
23
P
R–Y
L–W
L–W
R–Y
P

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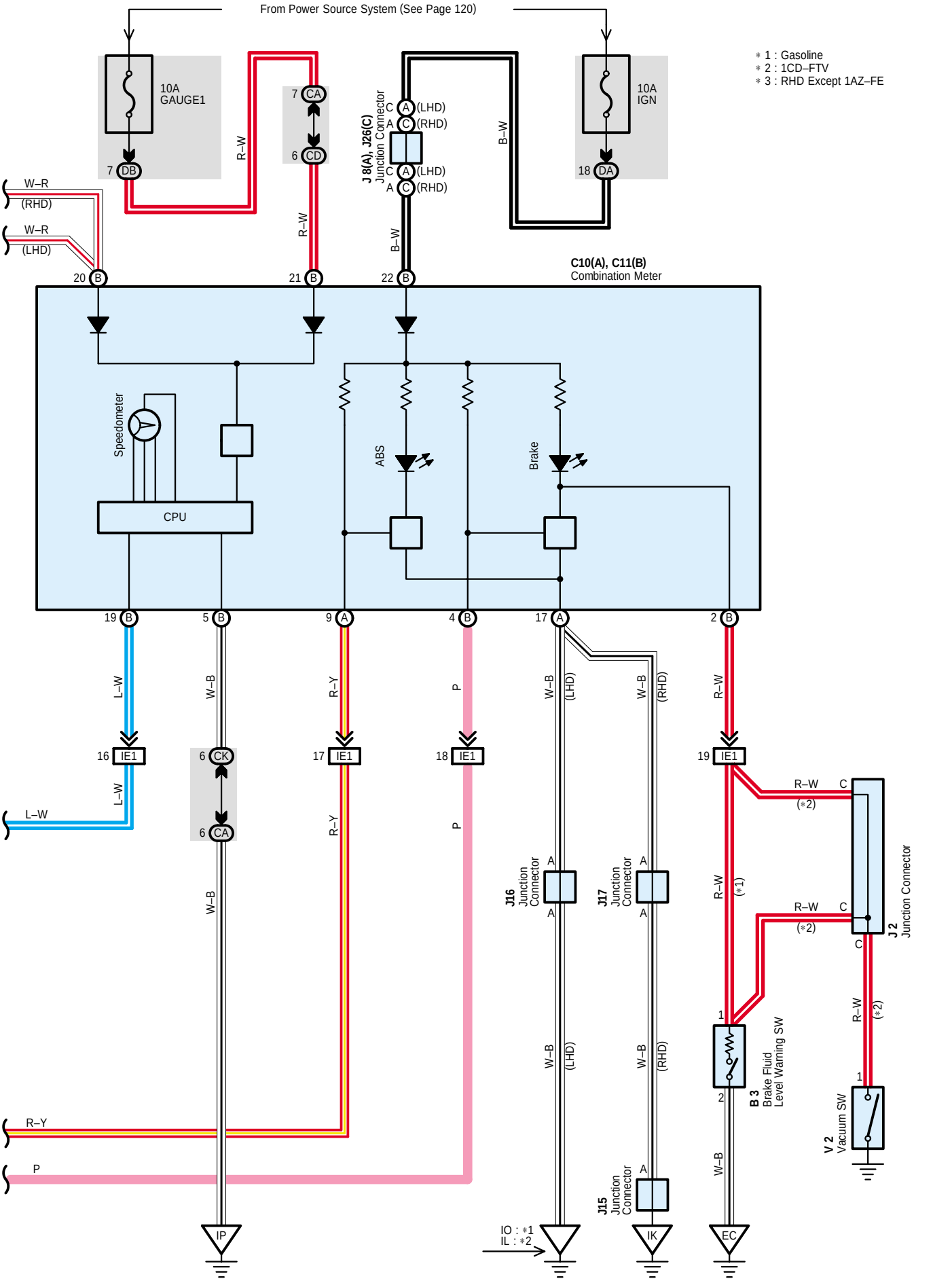
From Power Source System (See Page 120)
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : RHD Except 1AZ–FE
10A GAUGE1
10A IGN
J 8(A), J26(C) Junction Connector
C10(A), C11(B) Combination Meter
Speedometer
CPU
ABS
Brake
W–R (RHD)
W–R (LHD)
R–W
B–W
L–W
W–B
R–Y
P
IE1
IP
IO : ∗1
IL : ∗2
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
IK
EC
J2 Junction Connector
B 3 Brake Fluid Level Warning SW
V 2 Vacuum SW

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System Outline

∗ ABS system

This system controls the respective brake fluid pressures acting on the disc brake cylinders of the right front wheel, left front wheel and rear wheels when the brakes are applied in a panic stop so that the wheels do not lock. This results in improved directional stability and steerability during panic braking.

∗ Front and rear braking force distribution system

Using the hydraulic controlling device, this system distributes the braking force to the front and rear wheel in appropriately according to the running condition of the vehicle.

1. Input Signals

(1) Speed sensor signal

The speed of the wheels is detected and input to TERMINALS FL+, FR+, RL+ and RR+ of the skid control ECU with actuator.

(2) Stop light SW signal

A signal is input to TERMINAL STP of the skid control ECU with actuator when the brake pedal is depressed.

2. System Operation

During sudden braking the skid control ECU with actuator has signals input from each sensor, which controls the current to the solenoid inside the actuator and lets the hydraulic pressure acting on each wheel cylinder escape to the reservoir. The pump inside the actuator is also operating at this time and it returns the brake fluid from the reservoir to the master cylinder, thus preventing locking of the vehicle wheels.

If the skid control ECU with actuator judges that the hydraulic pressure acting on the wheel cylinder is insufficient, the current on the solenoid is controlled and the hydraulic pressure is increased. Holding of the hydraulic pressure is also controlled by the skid control ECU with actuator, by the same method as above. Pressure reduction, holding and increase are repeated to maintain vehicle stability and to improve steerability during sudden braking.

Service Hints

A4, A5 ABS Speed Sensor Front LH, RH

2–1 : 1.4 –1.8 kΩ (20˚C, 68˚F)

A32, A33 ABS Speed Sensor Rear LH, RH

1–2 : 1.0 –1.4 kΩ (20˚C, 68˚F)

S2 Skid Control ECU with Actuator

2, 3–Ground : Always approx. 12 volts
18–Ground : Approx. 12 volts with the ignition SW at ON position
20–Ground : Approx. 12 volts with the brake pedal depressed
1, 4–Ground : Always continuity

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: Parts Location

Code	See Page	Code	See Page	Code	See Page
A4	40 (*4)	A33	74 (RHD W/G)	J17	68 (RHD)
	42 (*5)	B3	40 (*4)	J18 A	48 (LHD)
	44 (*6)		42 (*5)	J20 C	68 (RHD)
	60 (*8)		44 (*6)	J21 D	68 (RHD)
	62 (*9)		60 (*8)	J26 C	68 (RHD)
	64 (*10)		62 (*9)	J29 B	68 (RHD)
A5	40 (*4)		64 (*10)	N1	41 (*4)
	42 (*5)	C10 A	46 (LHD)		43 (*5)
	44 (*6)		66 (RHD)		61 (*8)
	60 (*8)	C11 B	46 (LHD)		63 (*9)
	62 (*9)		66 (RHD)	P4	49 (LHD)
	64 (*10)	D2	47 (LHD)		69 (RHD)
A32	50 (LHD S/D)		67 (RHD)	S2	41 (*4)
	52 (LHD L/B)	D5	47 (LHD)		43 (*5)
	54 (LHD W/G)		67 (RHD)		45 (*6)
	70 (RHD S/D)	J2	45 (*6)		61 (*8)
	72 (RHD L/B)		65 (*10)		63 (*9)
	74 (RHD W/G)	J8 A	48 (LHD)		65 (*10)
A33	50 (LHD S/D)	J9 B	48 (LHD)	S13	49 (LHD)
	52 (LHD L/B)	J10 A	48 (LHD)		69 (RHD)
	54 (LHD W/G)	J11 B	48 (LHD)	V2	45 (*6)
	70 (RHD S/D)	J15	68 (RHD)		65 (*10)
	72 (RHD L/B)	J16	48 (LHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	108 (RHD)	
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EA	80 (*4)	Engine Compartment Right
	82 (*5)	
	84 (*6)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EB	80 (*4)	
	82 (*5)	
	84 (*6)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EC	80 (*4)	Engine Compartment Left
	82 (*5)	
	84 (*6)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
IK	106 (RHD)	Behind the Combination Meter
IL	86 (LHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	80 (*4)	Engine Room Main Wire	E1	100 (*8)	Engine Room Main Wire
	82 (*5)			102 (*9)	
	84 (*6)			104 (*10)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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NOTICE: When inspecting or repairing the SRS, perform the operation in accordance with the following precautionary instructions and the procedure and precautions in the Repair Manual for the applicable model year.

- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started after 90 seconds from when the ignition switch is turned to the "LOCK" position and the negative (–) terminal cable is disconnected from the battery.**
  (The SRS is equipped with a back–up power source so that if work is started within 90 seconds from disconnecting the negative (–) terminal cable of the battery, the SRS may be deployed.)
- When the negative (–) terminal cable is disconnected from the battery, the memory of the clock and audio system will be canceled. So before starting work, make a record of the contents memorized in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. To avoid erasing the memory in each memory system, never use a back–up power supply from outside the vehicle.
- Before repairs, remove the airbag sensor if shocks are likely to be applied to the sensor during repairs.
- Do not expose the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, airbag sensor assembly, front airbag sensor assembly, knee airbag assembly, curtain shield airbag assembly, curtain shield airbag sensor assembly, side airbag assembly or side airbag sensor assembly directly to hot air or flames.
- Even in cases of a minor collision where the SRS does not deploy, the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, airbag sensor assembly, front airbag sensor assembly, knee airbag assembly, curtain shield airbag assembly, curtain shield airbag sensor assembly, side airbag assembly and side airbag sensor assembly should be inspected.
- Never use SRS parts from another vehicle. When replacing parts, replace them with new parts.
- Never disassemble and repair the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, airbag sensor assembly, front airbag sensor assembly, knee airbag assembly, curtain shield airbag assembly, curtain shield airbag sensor assembly, side airbag assembly or side airbag sensor assembly in order to reuse it.
- If the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, airbag sensor assembly, front airbag sensor assembly, knee airbag assembly, curtain shield airbag assembly, curtain shield airbag sensor assembly, side airbag assembly or side airbag sensor assembly has been dropped, or if there are cracks, dents or other defects in the case, bracket or connector, replace them with new ones.
- Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting the system's electrical circuits.
- Information labels are attached to the periphery of the SRS components. Follow the instructions on the notices.
- After work on the SRS is completed, perform the SRS warning light check.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.

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System Outline

The SRS is a driver and passenger protection device which has a supplemental role to the seat belts.
When the ignition SW is turned to ON, the current from the IGN fuse flows to TERMINAL (B) 5 of the airbag sensor assembly.
If an accident occurs while driving, when the frontal impact exceeds a set level, the current from the IGN fuse flows to TERMINALS (B) 14, (B) 16, (B) 10, (B) 8, (C) 12, (A) 8 and (C) 9 of the airbag sensor assembly to the airbag squibs and the pretensioners to TERMINALS (B) 13, (B) 17, (B) 11, (B) 7, (C) 11, (A) 7 and (C) 10 of the airbag sensor assembly to TERMINAL (B) 27, (B) 28 or BODY GROUND to GROUND, so that current flows to the airbag squibs and the pretensioners and causes them to operate.
When the side impact also exceeds a set level, the current from the IGN fuse flows to TERMINALS (A) 12, (C) 5, (A) 9 and (C) 8 of the airbag sensor assembly to the side airbag squibs and the curtain shield airbag squibs TERMINALS (A) 10, (C) 7, (A) 11 and (C) 6 of the airbag sensor assembly to TERMINAL (B) 27, (B) 28 or BODY GROUND to GROUND, causing side airbag squibs and curtain shield airbag squibs to operate.
The airbag stored inside the steering wheel pad is instantaneously expanded to soften the shock to the driver.
The airbag stored inside the passenger's instrument panel is instantaneously expanded to soften the shock to the front passenger.
Side airbags are instantaneously expanded to soften the shock of side to the driver and front passenger.
The curtain shield airbag can ease an impact on the head of the front and rear passengers and reduce risks of injury.
In a head–on crash, the driver moves forward and may strike his/her lower limbs against the instrument panel, the key cylinder, etc. The knee airbag is equipped to protect the lower limbs of the driver in head–on crashes.
The pretensioners make sure of the seat belt restrainability.

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○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A9	38 (*3)	C15	72 (RHD L/B)	P16	53 (LHD L/B)
	40 (*4)		74 (RHD W/G)		55 (LHD W/G)
	42 (*5)	C16	50 (LHD S/D)		71 (RHD S/D)
	44 (*6)		52 (LHD L/B)		73 (RHD L/B)
	58 (*7)		54 (LHD W/G)		75 (RHD W/G)
	60 (*8)		70 (RHD S/D)	P17	51 (LHD S/D)
	62 (*9)		72 (RHD L/B)		53 (LHD L/B)
	64 (*10)		74 (RHD W/G)		55 (LHD W/G)
A10	38 (*3)	C17	50 (LHD S/D)		71 (RHD S/D)
	40 (*4)		52 (LHD L/B)		73 (RHD L/B)
	42 (*5)		54 (LHD W/G)		75 (RHD W/G)
	44 (*6)		70 (RHD S/D)	S14 A	51 (LHD S/D)
	58 (*7)		72 (RHD L/B)		53 (LHD L/B)
	60 (*8)		74 (RHD W/G)		55 (LHD W/G)
	62 (*9)	C18	50 (LHD S/D)		71 (RHD S/D)
	64 (*10)		52 (LHD L/B)		73 (RHD L/B)
A13 A	46 (LHD)		54 (LHD W/G)		75 (RHD W/G)
	66 (RHD)		70 (RHD S/D)	S14 B	51 (LHD S/D)
A15 B	46 (LHD)		72 (RHD L/B)		53 (LHD L/B)
	66 (RHD)		74 (RHD W/G)		55 (LHD W/G)
A26 A	46 (LHD)	D5	47 (LHD)		71 (RHD S/D)
	66 (RHD)		67 (RHD)		73 (RHD L/B)
A27 B	46 (LHD)	E9 A	47 (LHD)		75 (RHD W/G)
	66 (RHD)		67 (RHD)	S15 A	51 (LHD S/D)
A28 C	46 (LHD)	E10 B	47 (LHD)		53 (LHD L/B)
	66 (RHD)		67 (RHD)		55 (LHD W/G)
A29	46 (LHD)	I14	47 (LHD)		71 (RHD S/D)
	66 (RHD)		67 (RHD)		73 (RHD L/B)
A30	46 (LHD)	J8 A	48 (LHD)		75 (RHD W/G)
	66 (RHD)	J10 A	48 (LHD)	S15 B	51 (LHD S/D)
B9	56 (LHD)	J11 B	48 (LHD)		53 (LHD L/B)
	76 (RHD)	J15	68 (RHD)		55 (LHD W/G)
C10 A	46 (LHD)	J16	48 (LHD)		71 (RHD S/D)
	66 (RHD)	J17	68 (RHD)		73 (RHD L/B)
C11 B	46 (LHD)	J20 A	68 (RHD)		75 (RHD W/G)
	66 (RHD)	J21 B	68 (RHD)	S18	56 (LHD)
C15	50 (LHD S/D)	J26 C	68 (RHD)		76 (RHD)
	52 (LHD L/B)	K3	48 (LHD)	S19	56 (LHD)
	54 (LHD W/G)		68 (RHD)		76 (RHD)
	70 (RHD S/D)	P16	51 (LHD S/D)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DD		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IE7	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IN1	88 (LHD)	Floor No.2 Wire and Instrument Panel Wire (Right Kick Panel)
	108 (RHD)	
IO3	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	106 (RHD)	Behind the Combination Meter
IL	86 (LHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

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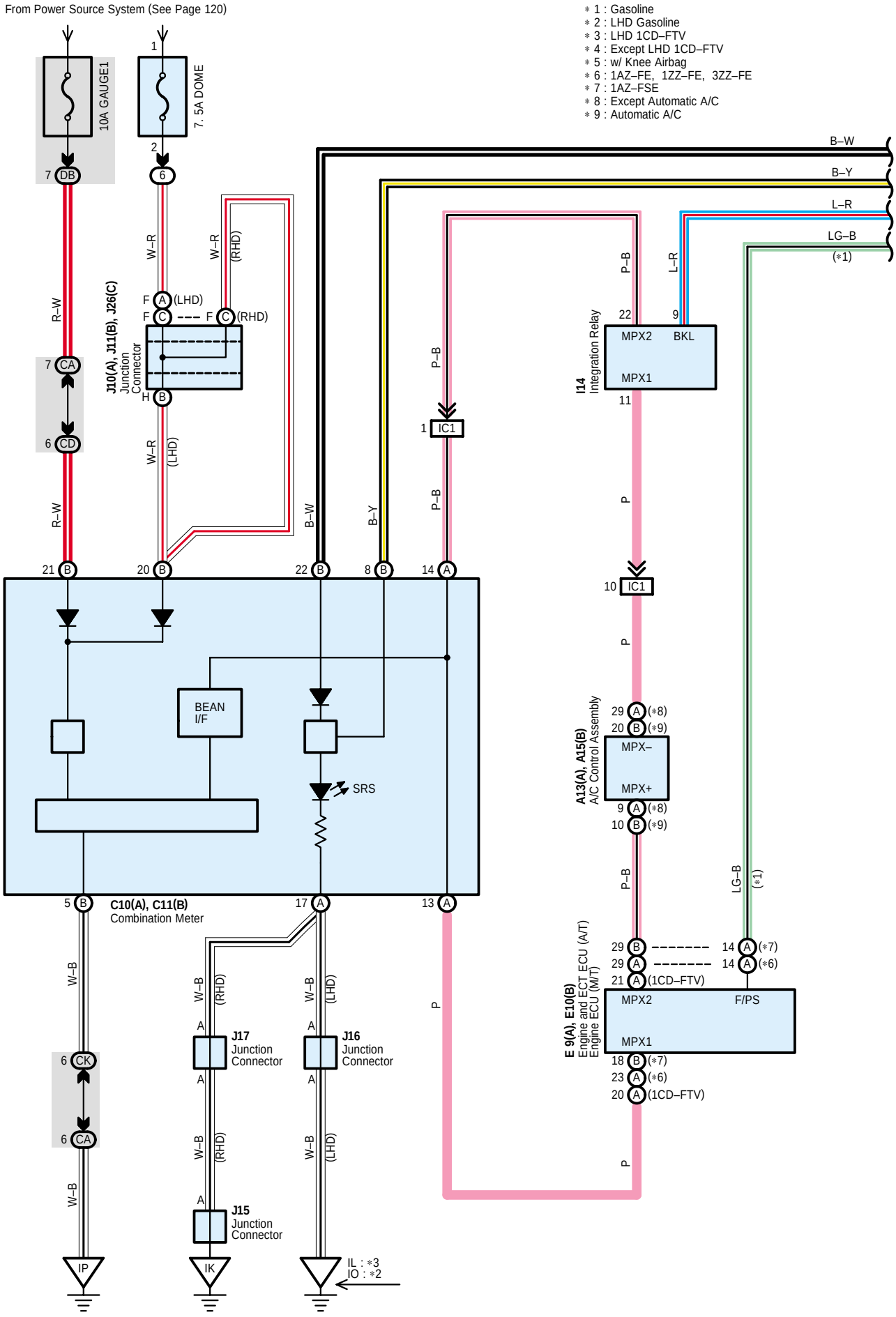
From Power Source System (See Page 120)
∗ 1 : Gasoline
∗ 2 : LHD Gasoline
∗ 3 : LHD 1CD–FTV
∗ 4 : Except LHD 1CD–FTV
∗ 5 : w/ Knee Airbag
∗ 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗ 7 : 1AZ–FSE
∗ 8 : Except Automatic A/C
∗ 9 : Automatic A/C
10A GAUGE1
7. 5A DOME
B–W
B–Y
L–R
LG–B
(∗1)
R–W
W–R
(RHD)
(LHD)
J10(A), J11(B), J26(C)
Junction Connector
I14
Integration Relay
MPX2
BKL
MPX1
P–B
IC1
BEAN I/F
SRS
A13(A), A15(B)
A/C Control Assembly
MPX–
MPX+
C10(A), C11(B)
Combination Meter
W–B
J17
Junction Connector
J16
Junction Connector
J15
Junction Connector
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
F/PS
(1CD–FTV)
IP
IK
IL : ∗3
IO : ∗2

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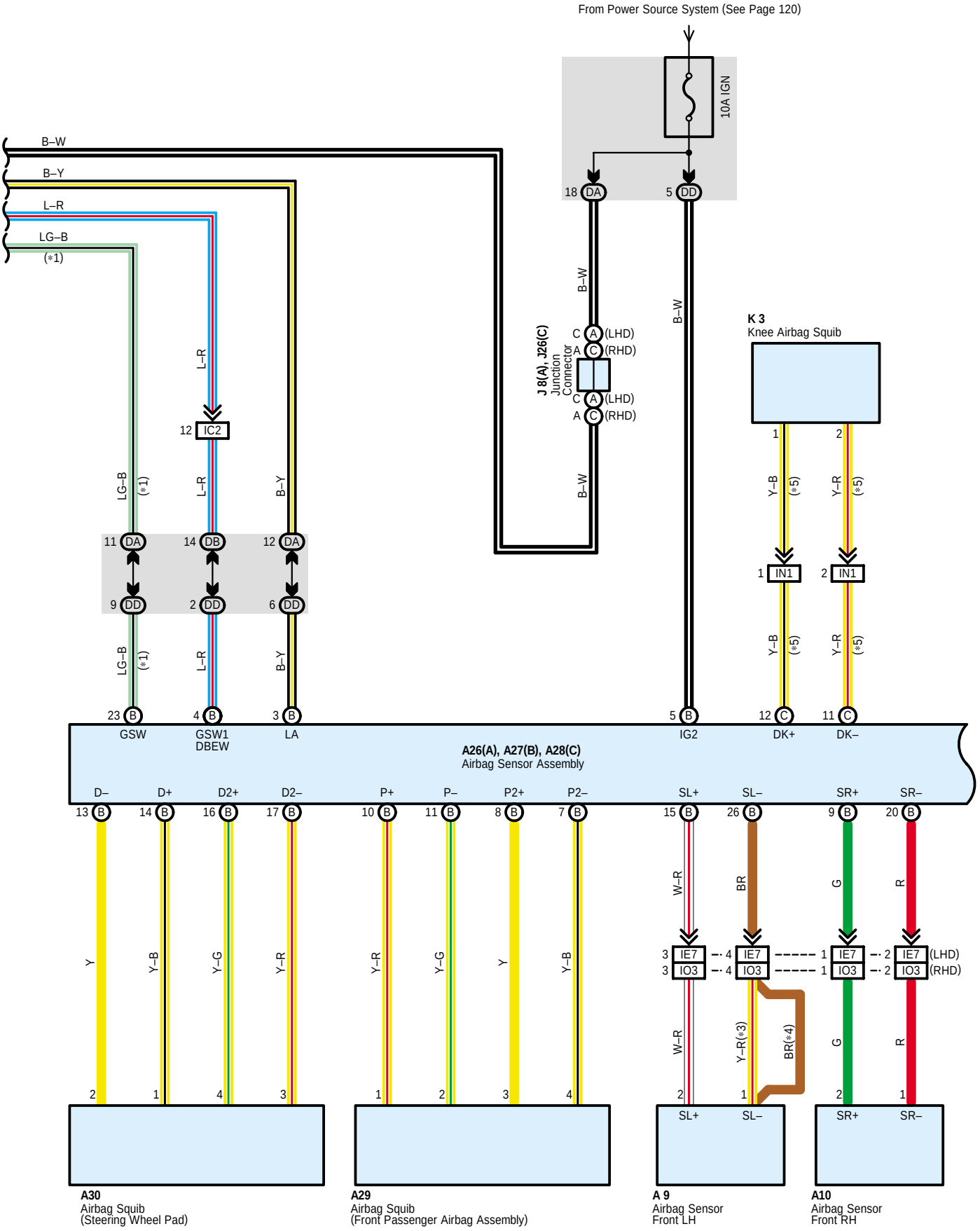
From Power Source System (See Page 120)
10A IGN
18 DA
5 DD
B–W
B–Y
L–R
LG–B
(*1)
J 8(A), J26(C)
Junction Connector
C A (LHD)
A C (RHD)
K 3
Knee Airbag Squib
12 IC2
11 DA
14 DB
12 DA
9 DD
2 DD
6 DD
23 B GSW
4 B GSW1 DBEW
3 B LA
5 B IG2
12 C DK+
11 C DK–
Y–B
Y–R
(*5)
1 IN1
2 IN1
A26(A), A27(B), A28(C)
Airbag Sensor Assembly
D– D+ D2+ D2– P+ P– P2+ P2– SL+ SL– SR+ SR–
13 14 16 17 10 11 8 7 15 26 9 20
Y Y–B Y–G Y–R Y–R Y–G Y Y–B W–R BR G R
3 IE7 3 IO3
4 IE7 4 IO3
1 IE7 1 IO3
2 IE7 2 IO3 (LHD) (RHD)
Y–R(*3)
BR(*4)
2 1 4 3 1 2 3 4 2 1 2 1
SL+ SL– SR+ SR–
A30
Airbag Squib
(Steering Wheel Pad)
A29
Airbag Squib
(Front Passenger Airbag Assembly)
A 9
Airbag Sensor
Front LH
A10
Airbag Sensor
Front RH

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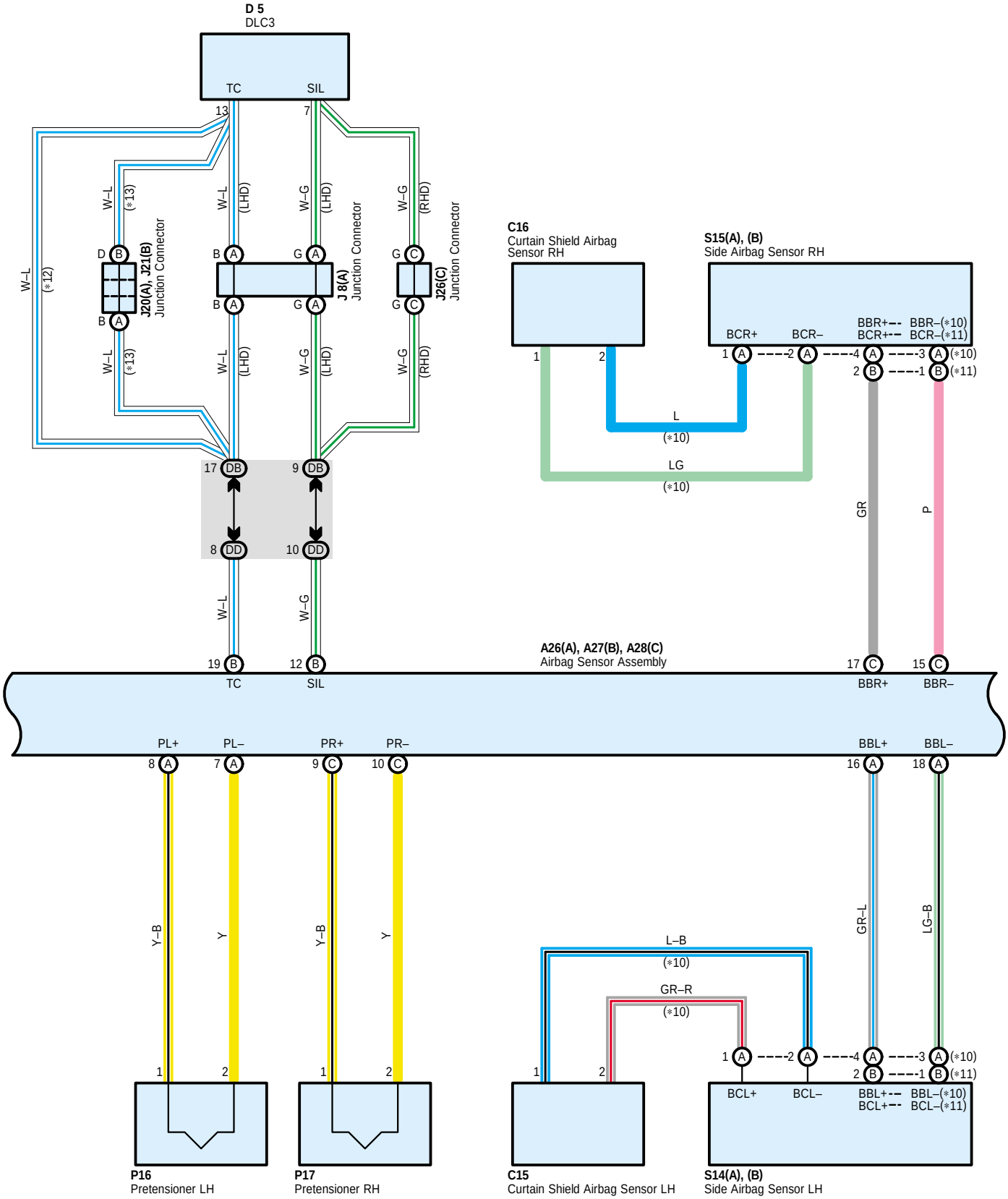
D 5
DLC3
TC
SIL
13
7
W–L
(*13)
W–L
(LHD)
W–G
(LHD)
W–G
(RHD)
W–L
(*12)
J20(A), J21(B)
Junction Connector
J 8(A)
Junction Connector
J26(C)
Junction Connector
17 DB
9 DB
8 DD
10 DD
19 B
12 B
TC
SIL
C16
Curtain Shield Airbag
Sensor RH
S15(A), (B)
Side Airbag Sensor RH
BCR+
BCR–
BBR+
BBR–
(*10)
BCR+
BCR–
(*11)
L
(*10)
LG
(*10)
GR
P
A26(A), A27(B), A28(C)
Airbag Sensor Assembly
17 C
15 C
BBR+
BBR–
PL+
PL–
PR+
PR–
8 A
7 A
9 C
10 C
Y–B
Y
Y–B
Y
BBL+
BBL–
16 A
18 A
GR–L
LG–B
L–B
(*10)
GR–R
(*10)
BCL+
BCL–
BBL+
BBL–
(*10)
BCL+
BCL–
(*11)
P16
Pretensioner LH
P17
Pretensioner RH
C15
Curtain Shield Airbag Sensor LH
S14(A), (B)
Side Airbag Sensor LH

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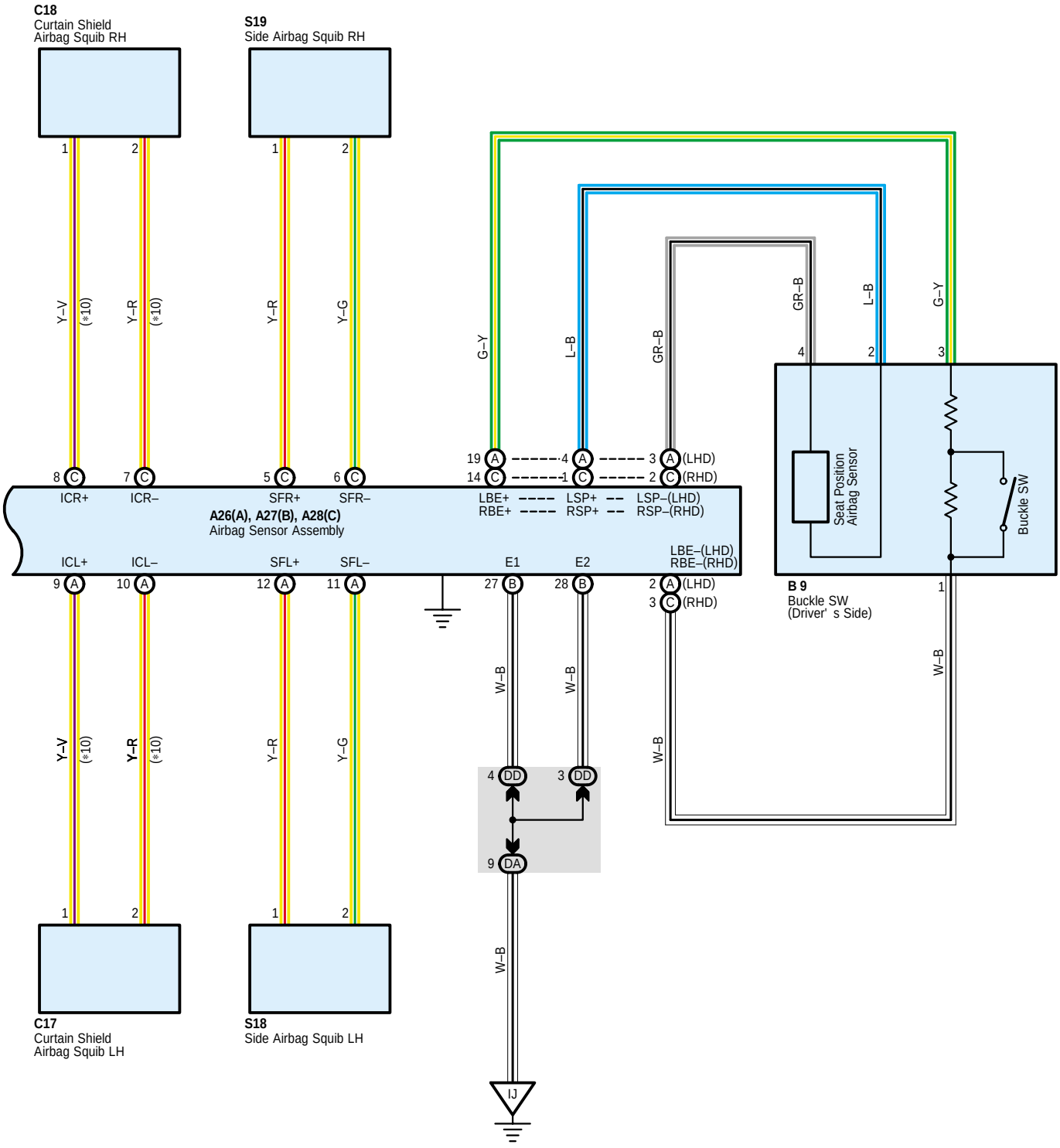
∗10 : w/ Curtain Shield Airbag
∗11 : w/o Curtain Shield Airbag
∗12 : RHD 1AZ–FE
∗13 : RHD Except 1AZ–FE



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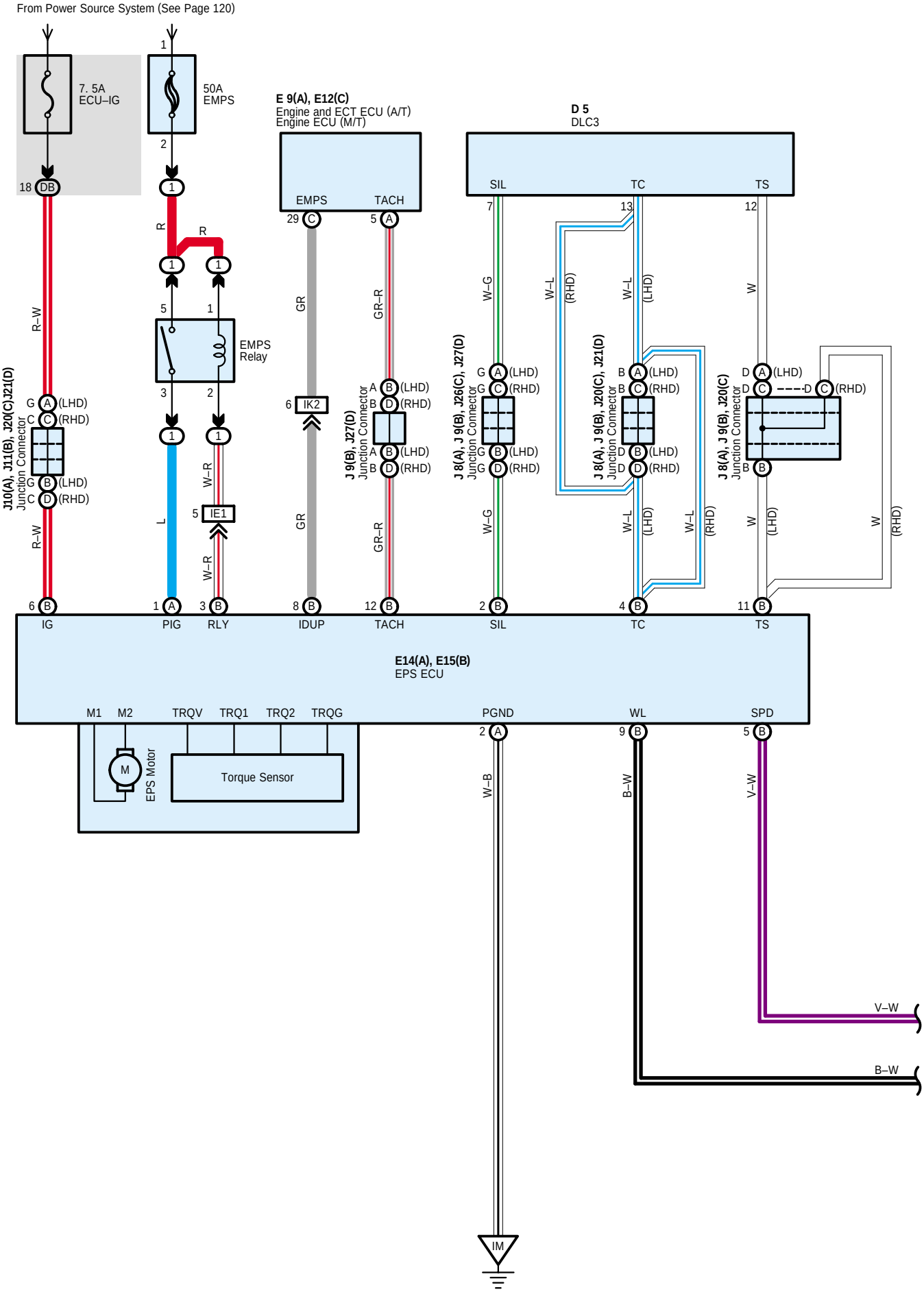
From Power Source System (See Page 120)
7. 5A
ECU–IG
50A
EMPS
18 DB
E 9(A), E12(C)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
D 5
DLC3
EMPS
TACH
SIL
TC
TS
29 C
5 A
7
13
12
R–W
R
GR
GR–R
W–G
W–L (RHD)
W–L (LHD)
W
EMPS Relay
IK2
IE1
L
W–R
J10(A), J11(B), J20(C),J21(D) Junction Connector
J 9(B), J27(D) Junction Connector
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J20(C) Junction Connector
(LHD)
(RHD)
6 B
1 A
3 B
8 B
12 B
2 B
4 B
11 B
IG
PIG
RLY
IDUP
TACH
SIL
TC
TS
E14(A), E15(B)
EPS ECU
M1
M2
TRQV
TRQ1
TRQ2
TRQG
PGND
WL
SPD
M
EPS Motor
Torque Sensor
2 A
9 B
5 B
W–B
B–W
V–W
IM

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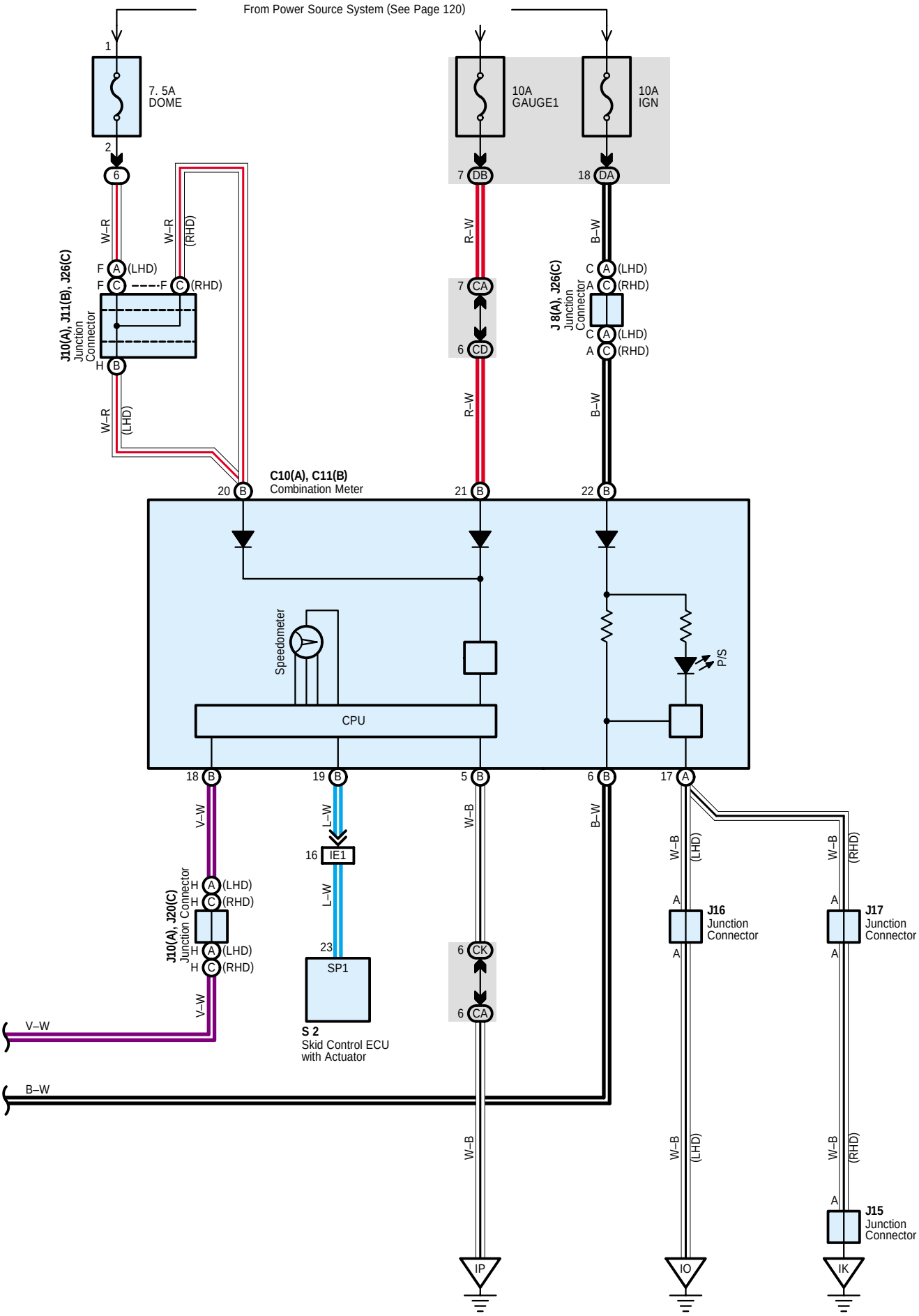
From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
W–R
W–R
(RHD)
F A (LHD)
F C F C (RHD)
J10(A), J11(B), J26(C)
Junction Connector
H B
W–R
(LHD)
10A
GAUGE1
10A
IGN
7 DB
18 DA
R–W
B–W
7 CA
6 CD
R–W
B–W
C A (LHD)
A C (RHD)
J 8(A), J26(C)
Junction Connector
C A (LHD)
A C (RHD)
C10(A), C11(B)
Combination Meter
20 B
21 B
22 B
Speedometer
CPU
P/S
18 B
19 B
5 B
6 B
17 A
V–W
L–W
W–B
B–W
W–B
(LHD)
W–B
(RHD)
16 IE1
L–W
23
SP1
S 2
Skid Control ECU
with Actuator
J10(A), J20(C)
Junction Connector
H A (LHD)
H C (RHD)
H A (LHD)
H C (RHD)
V–W
6 CK
6 CA
A
J16
Junction
Connector
A
A
J17
Junction
Connector
A
V–W
B–W
W–B
(LHD)
W–B
(RHD)
A
J15
Junction
Connector
IP
IO
IK

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EPS

System Outline

To reduce the driver's steering effort, assist current computed according to the torque sensor signal and vehicle speed signal is output to the motor. In case the system fails, to prohibit further assistance, the current to the EMPS relay and motor relay (Built in the EPS ECU) is shut off, and the warning light in the combination meter comes on.

Service Hints

E14 (A), E15 (B) EPS ECU

(B) 6–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 2–Ground : Always continuity

: Parts Location

Code		See Page	Code		See Page	Code		See Page
C10	A	46 (LHD)	E12	C	67 (RHD)	J15		68 (RHD)
		66 (RHD)	E14	A	47 (LHD)	J16		48 (LHD)
C11	B	46 (LHD)			67 (RHD)	J17		68 (RHD)
		66 (RHD)	E15	B	47 (LHD)	J20	C	68 (RHD)
D5		47 (LHD)			67 (RHD)	J21	D	68 (RHD)
		67 (RHD)	J8	A	48 (LHD)	J26	C	68 (RHD)
E9	A	47 (LHD)	J9	B	48 (LHD)	J27	D	68 (RHD)
		67 (RHD)	J10	A	48 (LHD)	S2		43 (*5)
E12	C	47 (LHD)	J11	B	48 (LHD)			63 (*9)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IK	106 (RHD)	Behind the Combination Meter
IM	86 (LHD)	
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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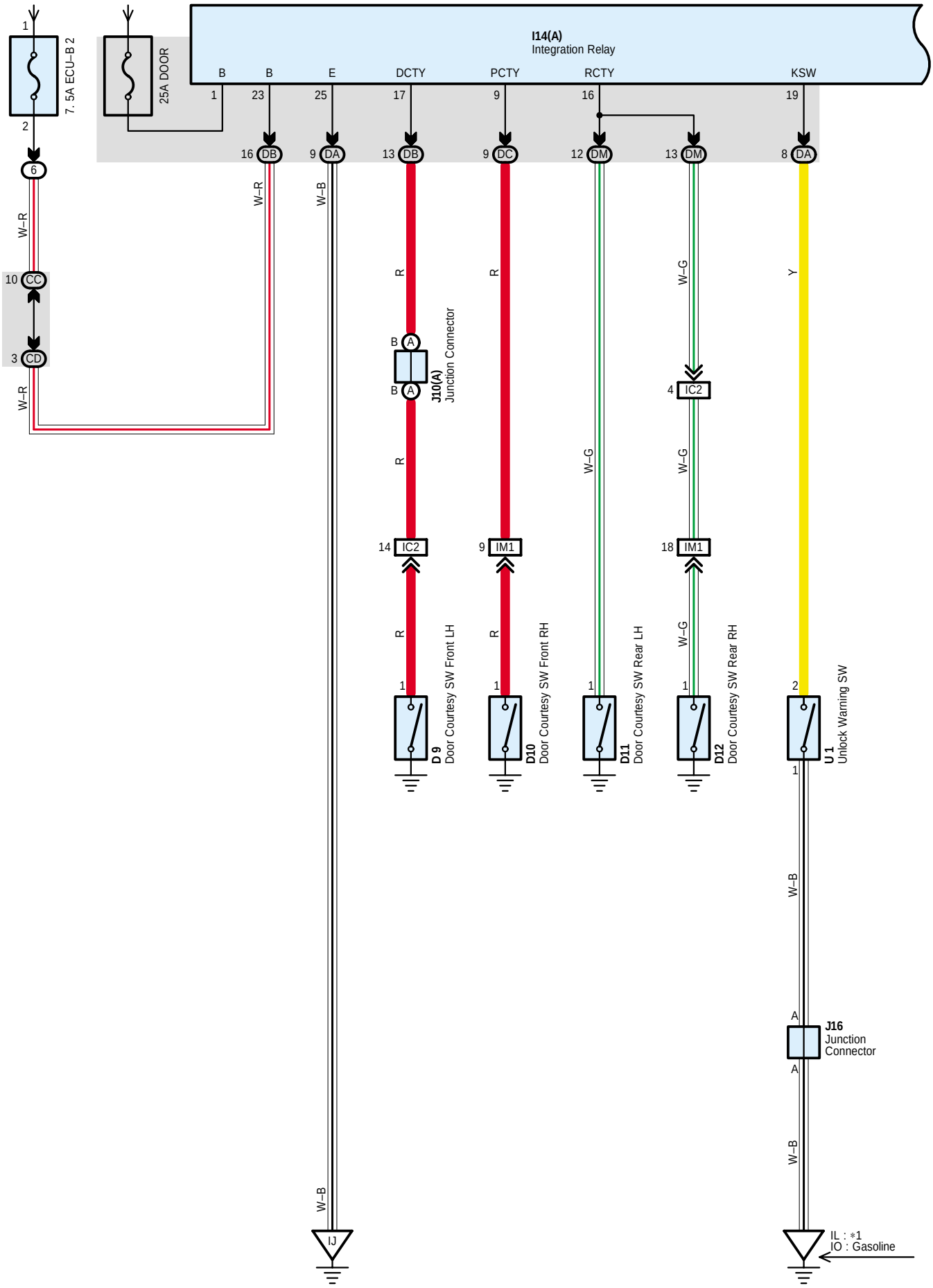
Door Lock Control (LHD)

From Power Source System (See Page 120)



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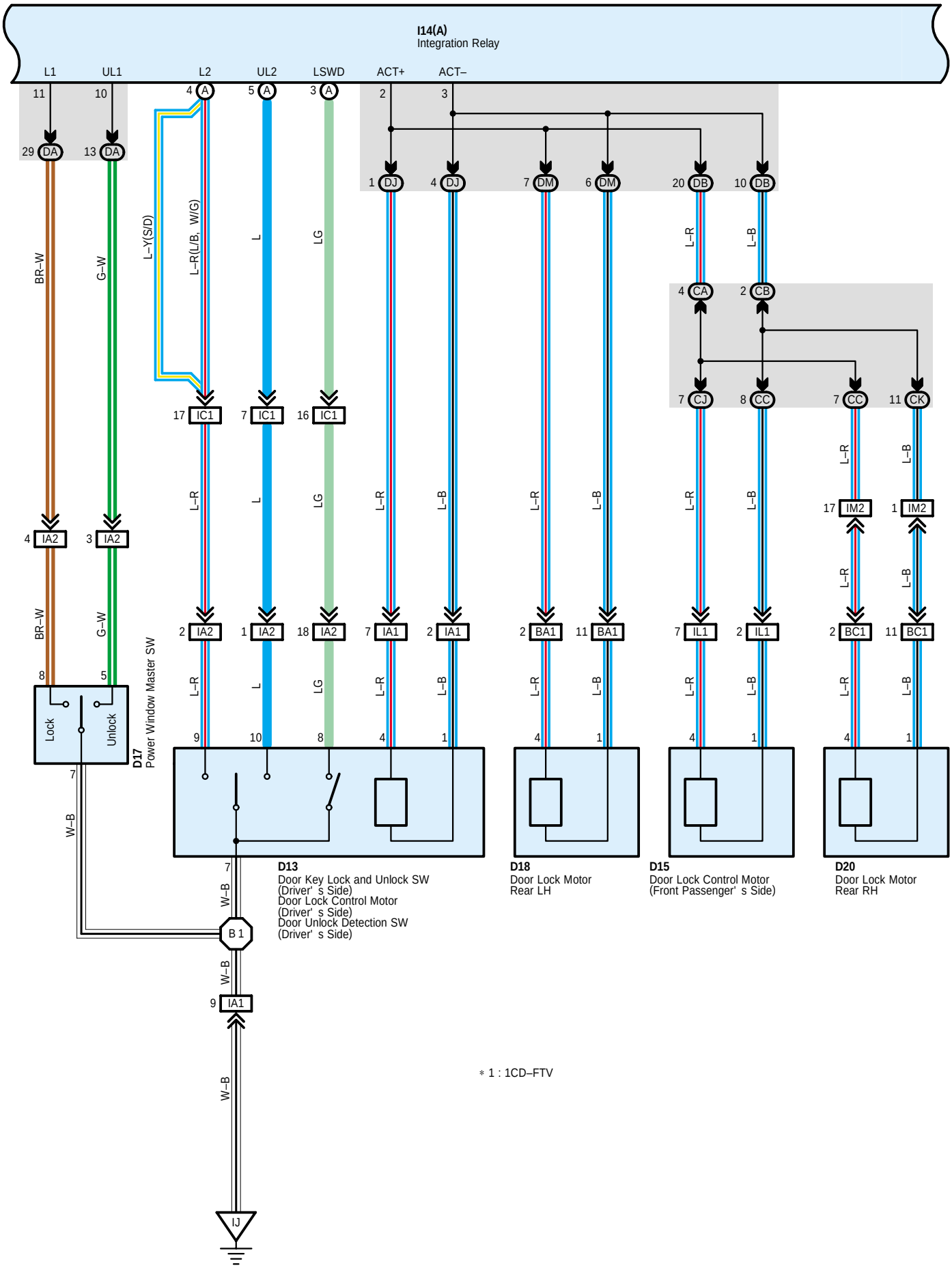
I14(A)
Integration Relay
L1
UL1
L2
UL2
LSWD
ACT+
ACT–
11
10
4 A
5 A
3 A
2
3
29 DA
13 DA
1 DJ
4 DJ
7 DM
6 DM
20 DB
10 DB
BR–W
G–W
L–Y(S/D)
L–R(L/B, W/G)
L
LG
L–R
L–B
4 CA
2 CB
17 IC1
7 IC1
16 IC1
7 CJ
8 CC
7 CC
11 CK
4 IA2
3 IA2
17 IM2
1 IM2
2 IA2
1 IA2
18 IA2
7 IA1
2 IA1
2 BA1
11 BA1
7 IL1
2 IL1
2 BC1
11 BC1
8
5
9
10
8
4
1
Lock
Unlock
D17
Power Window Master SW
7
W–B
B 1
9 IA1
IJ
D13
Door Key Lock and Unlock SW
(Driver' s Side)
Door Lock Control Motor
(Driver' s Side)
Door Unlock Detection SW
(Driver' s Side)
D18
Door Lock Motor
Rear LH
D15
Door Lock Control Motor
(Front Passenger' s Side)
D20
Door Lock Motor
Rear RH
* 1 : 1CD–FTV

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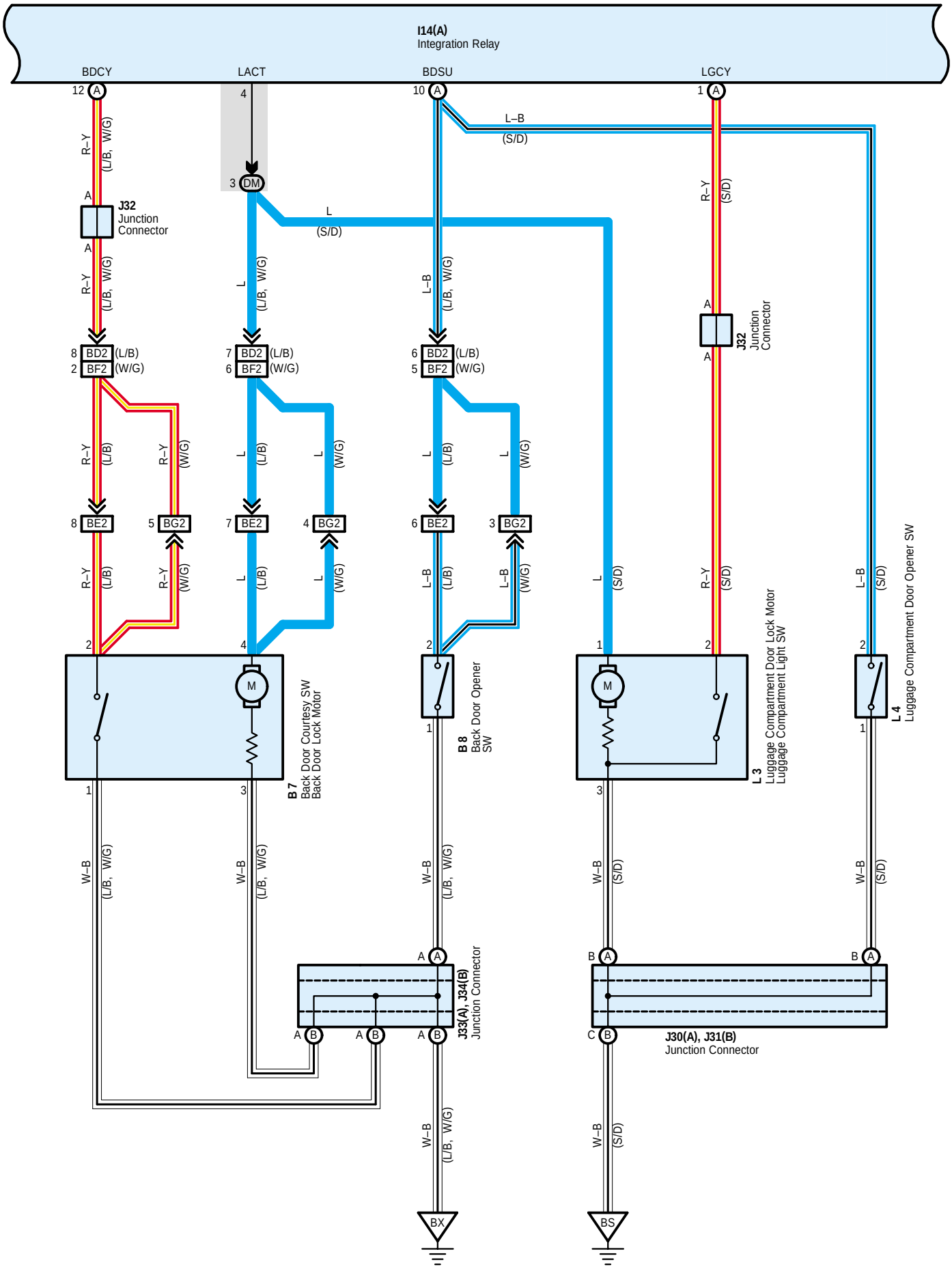
I14(A)
Integration Relay
BDCY
LACT
BDSU
LGCY
J32
Junction Connector
J33(A), J34(B)
Junction Connector
J30(A), J31(B)
Junction Connector
B7
Back Door Courtesy SW
Back Door Lock Motor
B8
Back Door Opener SW
L3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L4
Luggage Compartment Door Opener SW
BD2
BF2
BE2
BG2
DM
BX
BS

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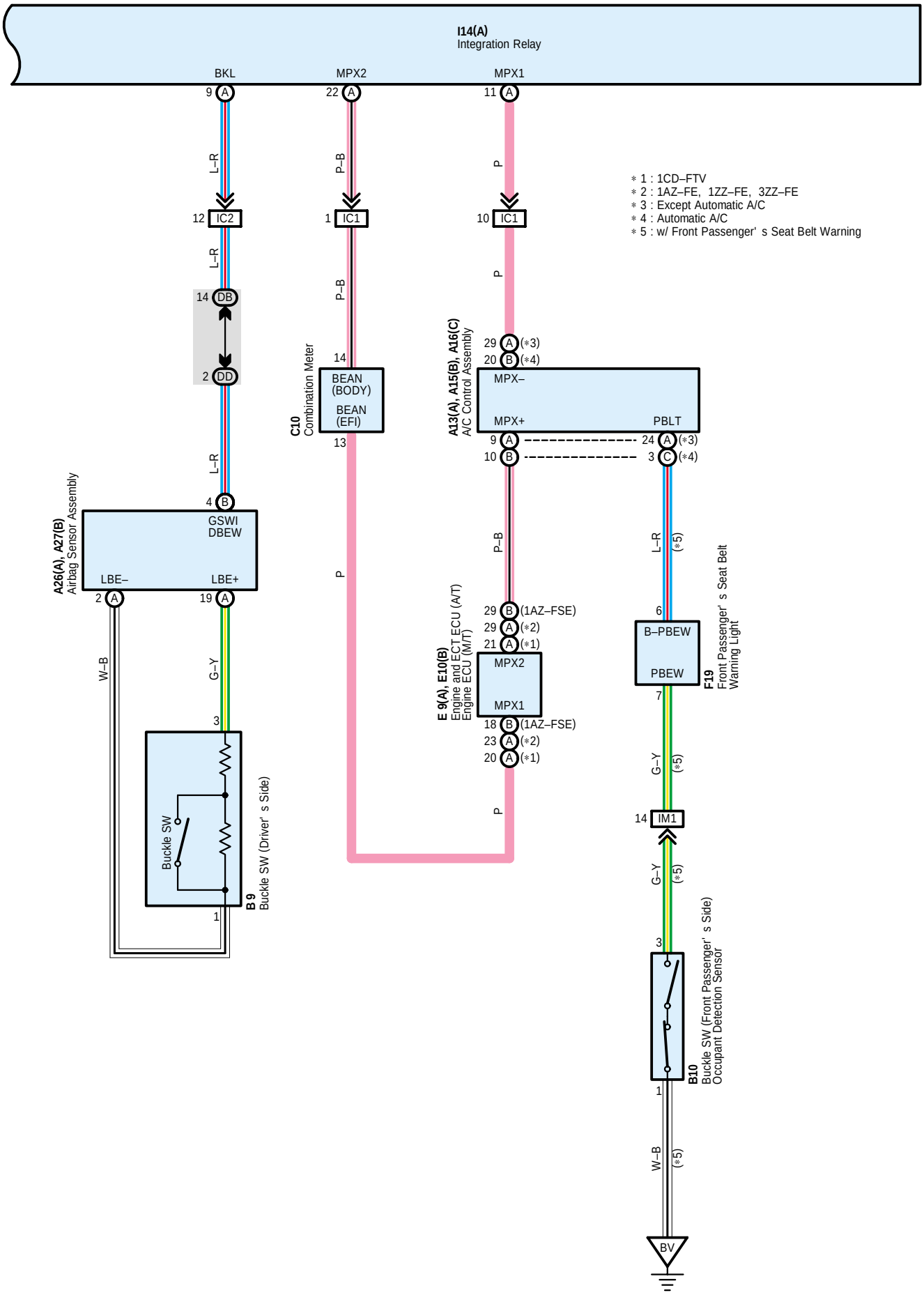
I14(A)
Integration Relay
BKL
MPX2
MPX1
9 A
22 A
11 A
L–R
P–B
P
12 IC2
1 IC1
10 IC1
L–R
P–B
P
14 DB
2 DD
L–R
P
14
BEAN (BODY)
BEAN (EFI)
13
C10
Combination Meter
29 A (*3)
20 B (*4)
MPX–
MPX+
PBLT
A13(A), A15(B), A16(C)
A/C Control Assembly
9 A
10 B
24 A (*3)
3 C (*4)
4 B
GSWI
DBEW
A26(A), A27(B)
Airbag Sensor Assembly
LBE–
LBE+
2 A
19 A
W–B
G–Y
3
Buckle SW
1
B9
Buckle SW (Driver's Side)
P–B
P
29 B (1AZ–FSE)
29 A (*2)
21 A (*1)
MPX2
MPX1
18 B (1AZ–FSE)
23 A (*2)
20 A (*1)
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
L–R
(*5)
6
B–PBEW
PBEW
7
F19
Front Passenger's Seat Belt Warning Light
G–Y
(*5)
14 IM1
G–Y
(*5)
3
1
B10
Buckle SW (Front Passenger's Side)
Occupant Detection Sensor
W–B
(*5)
BV
* 1 : 1CD–FTV
* 2 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 3 : Except Automatic A/C
* 4 : Automatic A/C
* 5 : w/ Front Passenger' s Seat Belt Warning

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Door Lock Control (LHD)

System Outline

Manual Lock Operation

All the doors are locked when the door lock control SW or the driver's side door key linked SW is operated to lock.

Manual Unlock Operation

All the doors are unlocked when the door lock control SW or the driver's side door key linked SW is operated to unlock.

Ignition Key Reminder Operation

The doors can not be locked unless the key is removed from the ignition key cylinder.

Service Hints

Integration Relay

23, 1–Ground : Always approx. 12 volts
25–Ground : Always continuity

U1 Unlock Warning SW

2–1 : Closed with the ignition key in cylinder

○ : Parts Location

Code		See Page	Code	See Page	Code		See Page
A13	A	46 (LHD)	D11	52 (LHD L/B)	D20		54 (LHD W/G)
A15	B	46 (LHD)		54 (LHD W/G)	E9	A	47 (LHD)
A16	C	46 (LHD)	D12	50 (LHD S/D)	E10	B	47 (LHD)
A26	A	46 (LHD)		52 (LHD L/B)	F19		47 (LHD)
A27	B	46 (LHD)		54 (LHD W/G)	I14	A	47 (LHD)
B7		52 (LHD L/B)	D13	50 (LHD S/D)	J10	A	48 (LHD)
		54 (LHD W/G)		52 (LHD L/B)	J16		48 (LHD)
B8		52 (LHD L/B)		54 (LHD W/G)	J30	A	51 (LHD S/D)
		54 (LHD W/G)	D15	50 (LHD S/D)	J31	B	51 (LHD S/D)
B9		56 (LHD)		52 (LHD L/B)	J32		51 (LHD S/D)
B10		56 (LHD)		54 (LHD W/G)			53 (LHD L/B)
C10		46 (LHD)	D17	50 (LHD S/D)			55 (LHD W/G)
D9		50 (LHD S/D)		52 (LHD L/B)	J33	A	53 (LHD L/B)
		52 (LHD L/B)		54 (LHD W/G)			55 (LHD W/G)
		54 (LHD W/G)	D18	50 (LHD S/D)	J34	B	53 (LHD L/B)
D10		50 (LHD S/D)		52 (LHD L/B)			55 (LHD W/G)
		52 (LHD L/B)		54 (LHD W/G)	L3		51 (LHD S/D)
		54 (LHD W/G)	D20	50 (LHD S/D)	L4		51 (LHD S/D)
D11		50 (LHD S/D)		52 (LHD L/B)	U1		49 (LHD)

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

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: **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CJ	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DD		
DJ		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	90 (LHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BC1	90 (LHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BD2	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

: **Ground Points**

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH
BS	90 (LHD S/D)	Lower Back Panel Left
BV	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	

: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	90 (LHD S/D)	Front Door LH Wire	B1	94 (LHD W/G)	Front Door LH Wire
	92 (LHD L/B)				

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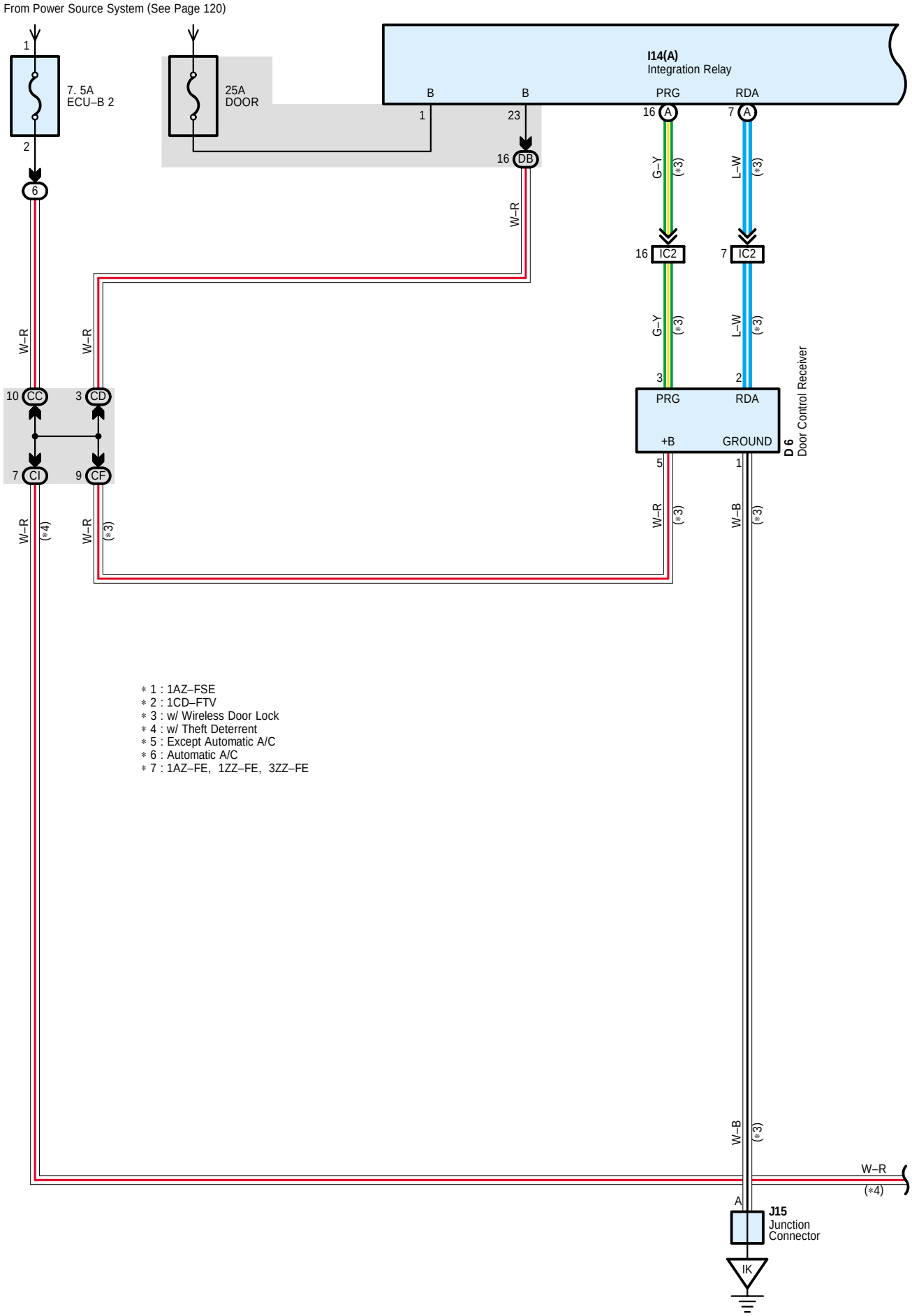
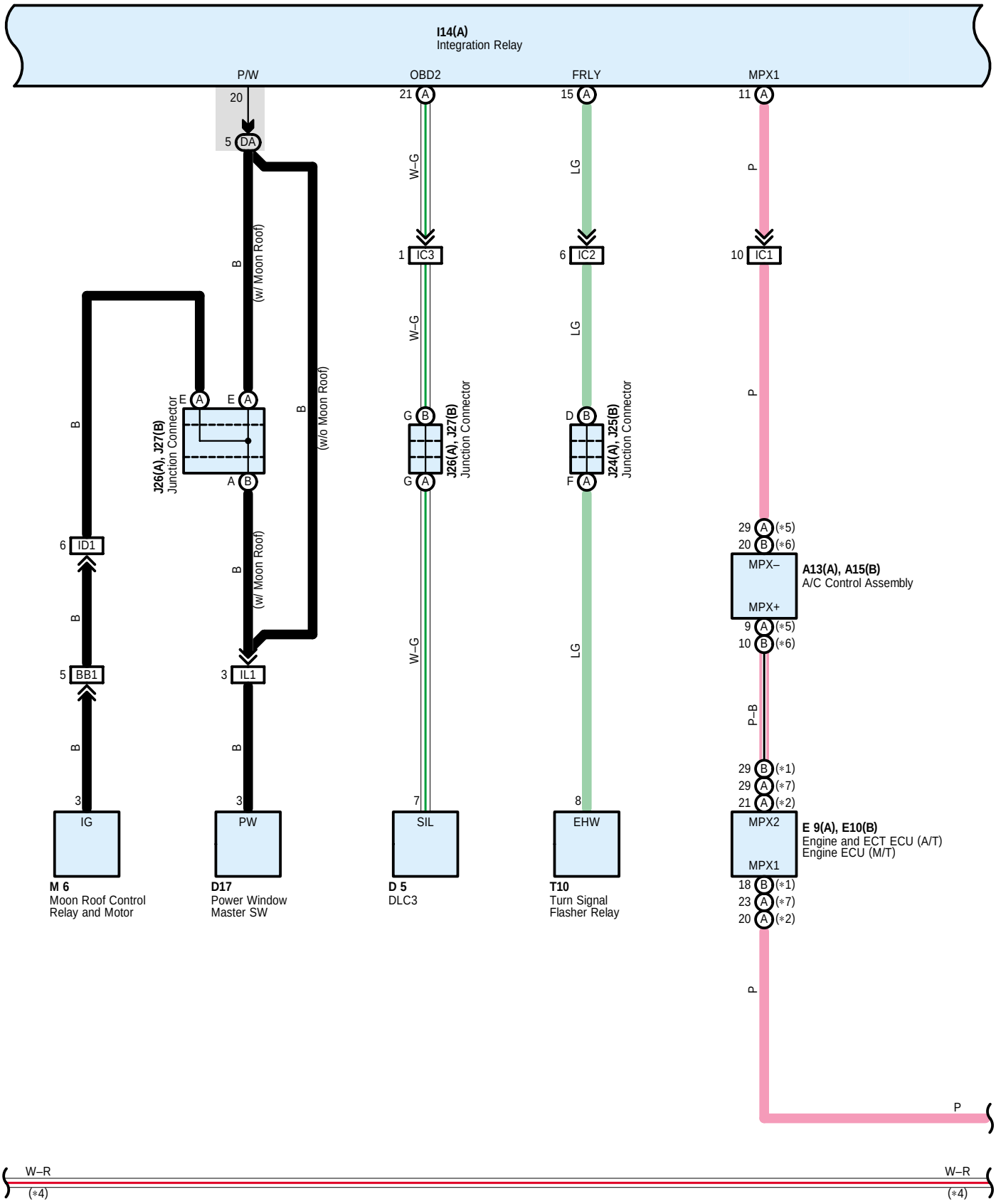
Door Lock Control (RHD) and Theft Deterrent



http://vnx.su


I14(A)
Integration Relay
P/W
OBD2
FRLY
MPX1
20
5 DA
B
(w/ Moon Roof)
B
(w/o Moon Roof)
21 A
W–G
1 IC3
W–G
G B
G A
J26(A), J27(B)
Junction Connector
15 A
LG
6 IC2
LG
D B
F A
J24(A), J25(B)
Junction Connector
LG
11 A
P
10 IC1
P
E A
E A
A B
J26(A), J27(B)
Junction Connector
6 ID1
B
B
5 BB1
B
3
IG
M 6
Moon Roof Control
Relay and Motor
B
3 IL1
B
3
PW
D17
Power Window
Master SW
7
SIL
D 5
DLC3
8
EHW
T10
Turn Signal
Flasher Relay
29 A (*5)
20 B (*6)
MPX–
MPX+
A13(A), A15(B)
A/C Control Assembly
9 A (*5)
10 B (*6)
P–B
29 B (*1)
29 A (*7)
21 A (*2)
MPX2
MPX1
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
18 B (*1)
23 A (*7)
20 A (*2)
P
P
W–R
(*4)
W–R
(*4)

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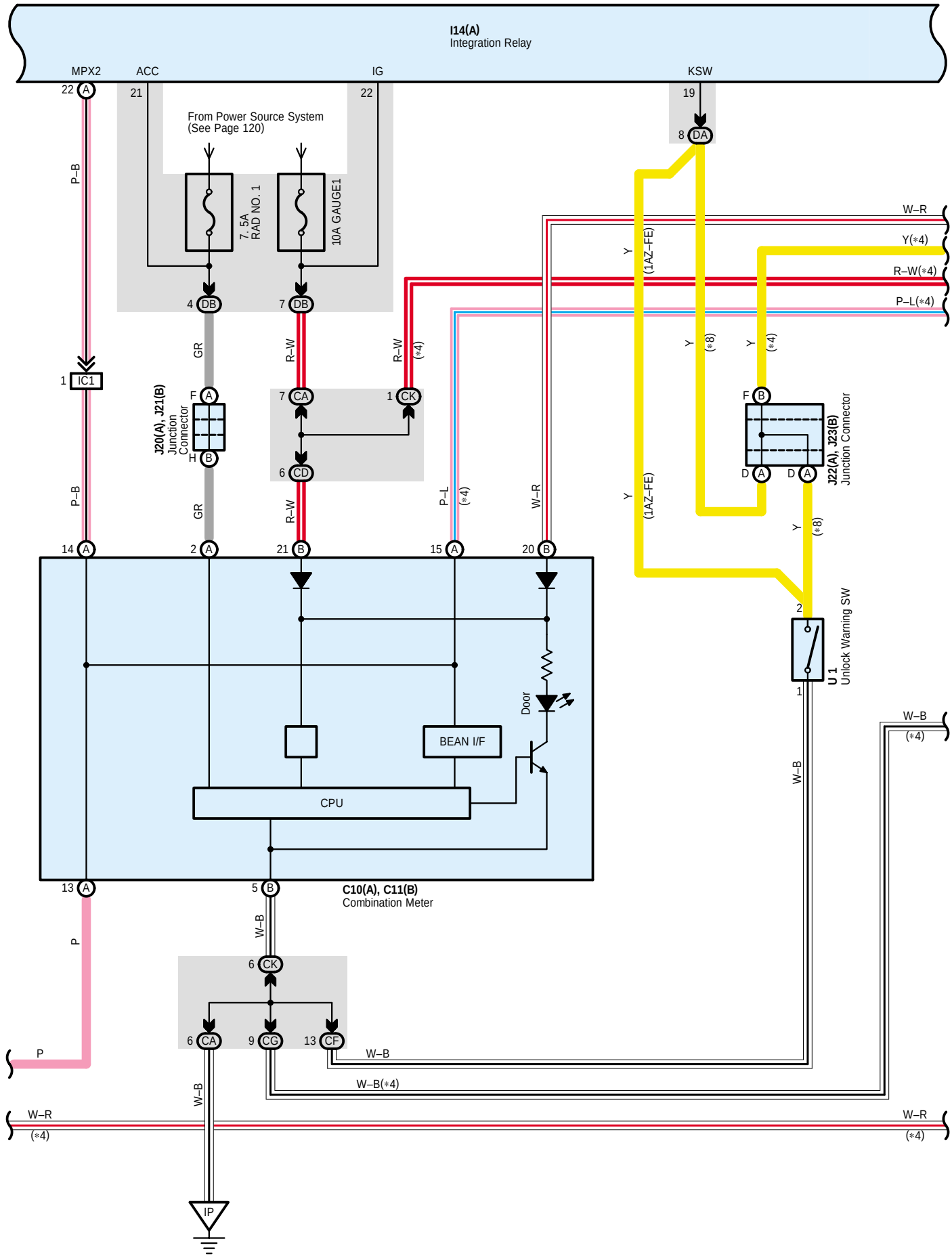
Door Lock Control (RHD) and Theft Deterrent



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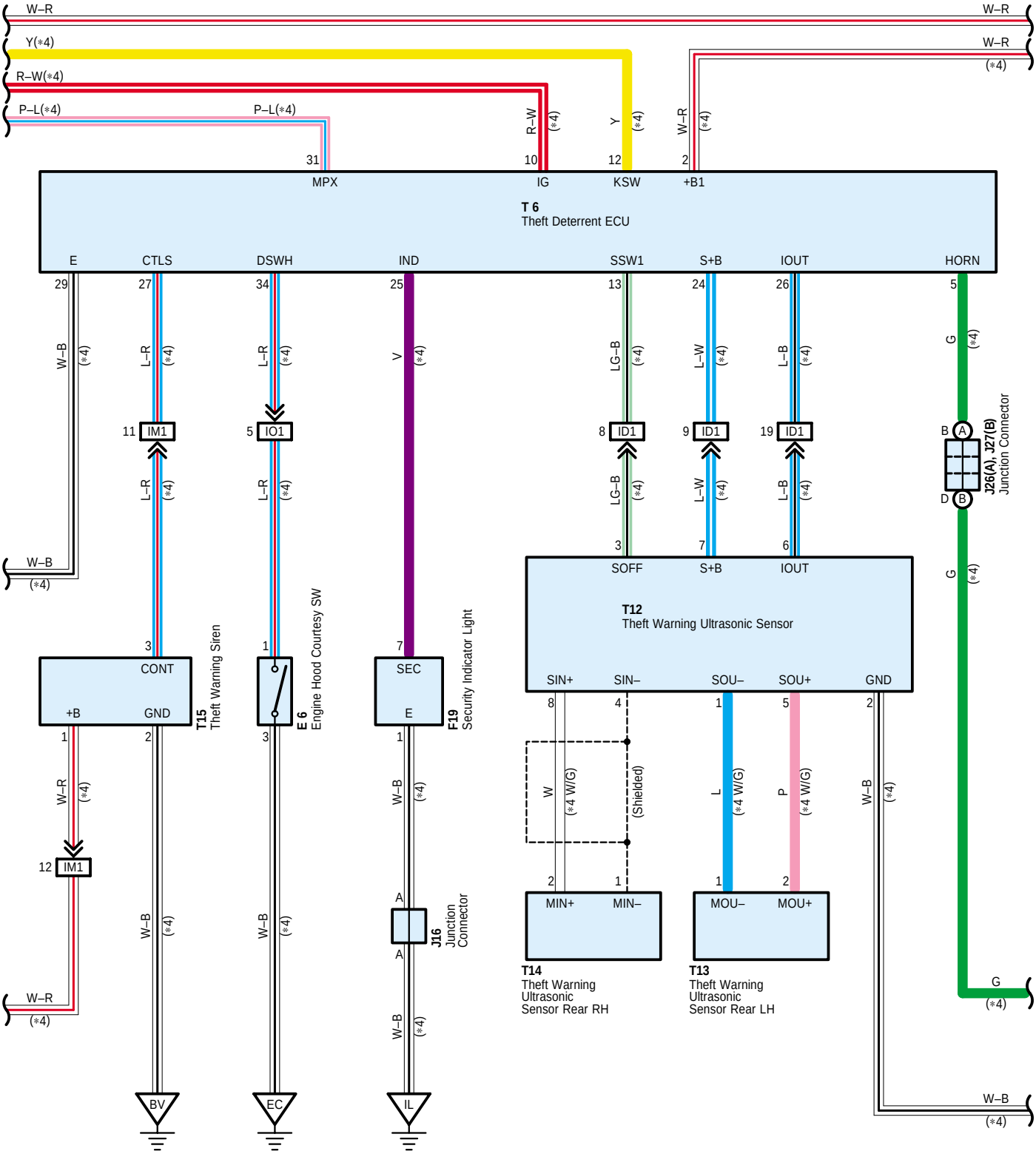
I14(A)
Integration Relay

∗ 4 : w/ Theft Deterrent
∗ 8 : Except 1AZ–FE



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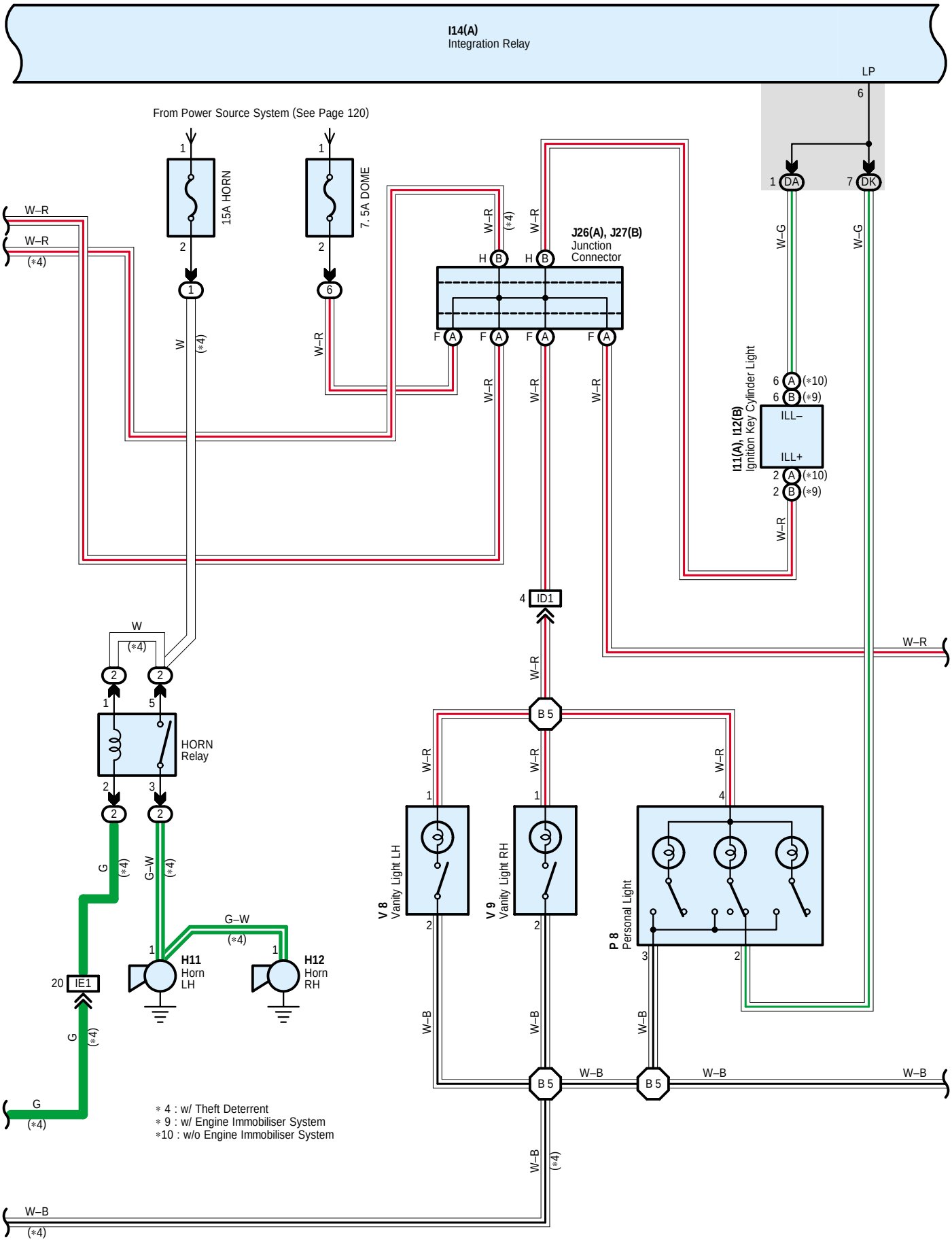
Door Lock Control (RHD) and Theft Deterrent



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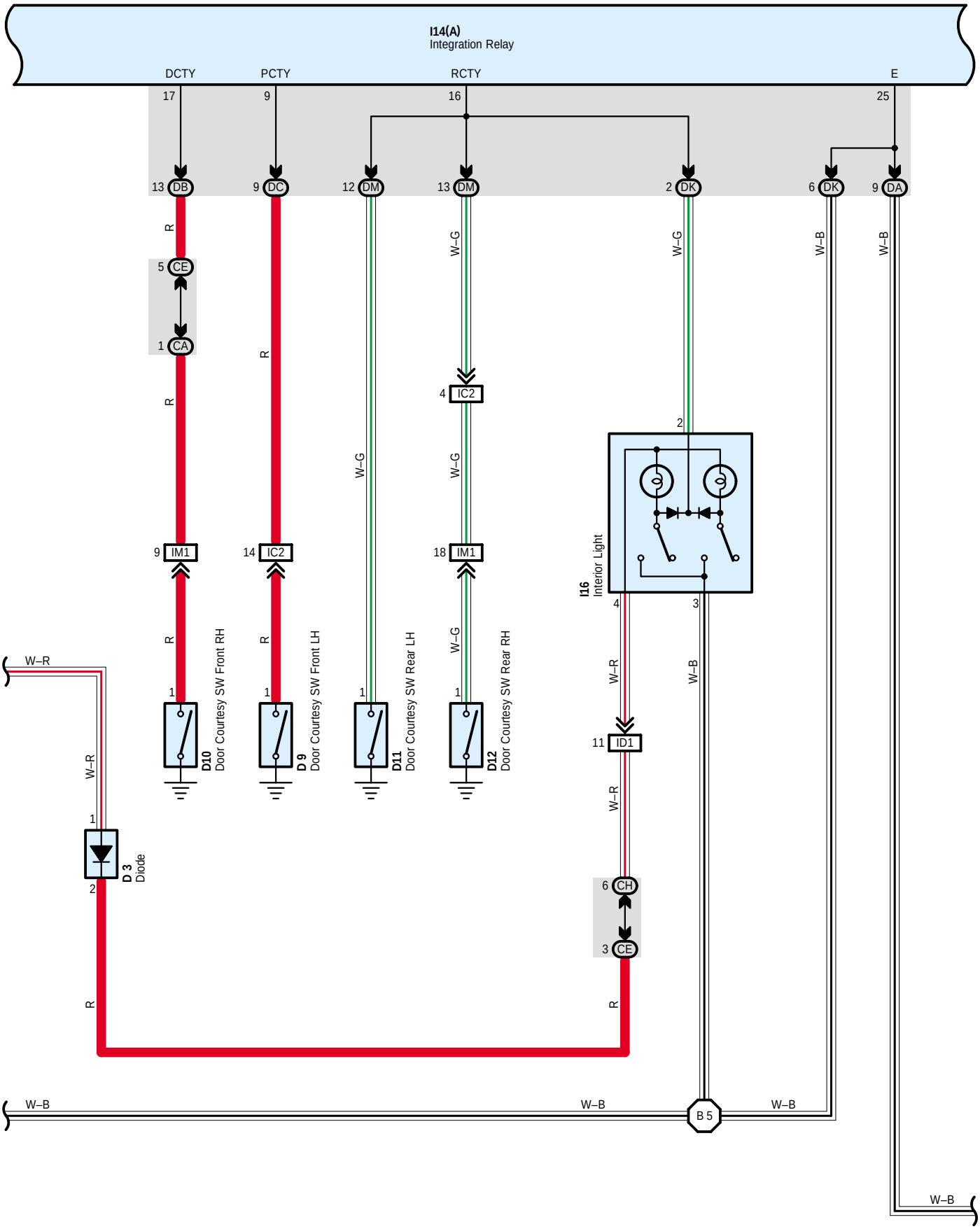
I14(A)
Integration Relay
DCTY
PCTY
RCTY
E
17
9
16
25
13 DB
9 DC
12 DM
13 DM
2 DK
6 DK
9 DA
R
W–G
W–B
5 CE
1 CA
4 IC2
2
9 IM1
14 IC2
18 IM1
I16
Interior Light
4
3
W–R
W–B
D10
Door Courtesy SW Front RH
D 9
Door Courtesy SW Front LH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
11 ID1
6 CH
3 CE
D 3
Diode
B 5

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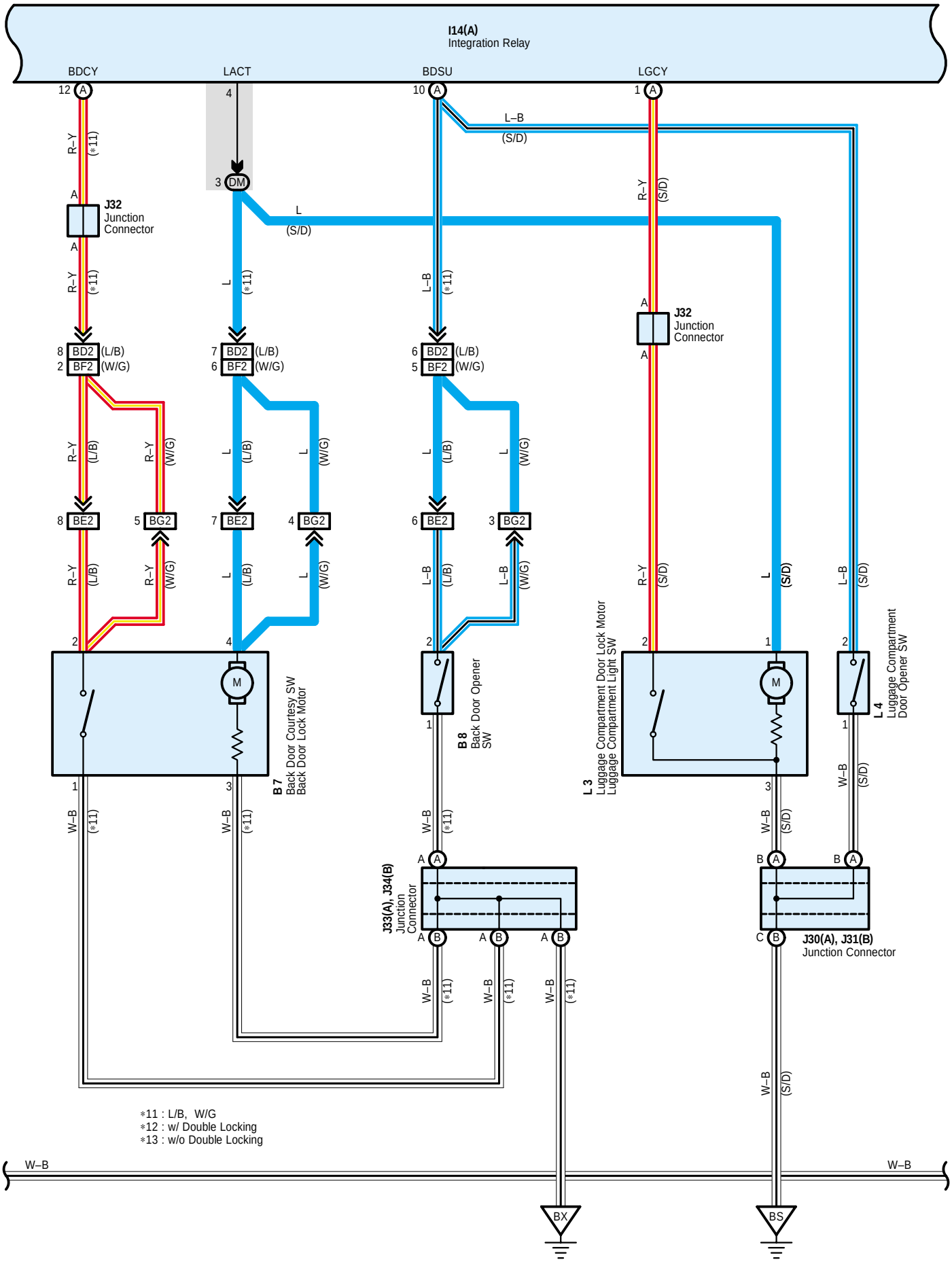
Door Lock Control (RHD) and Theft Deterrent



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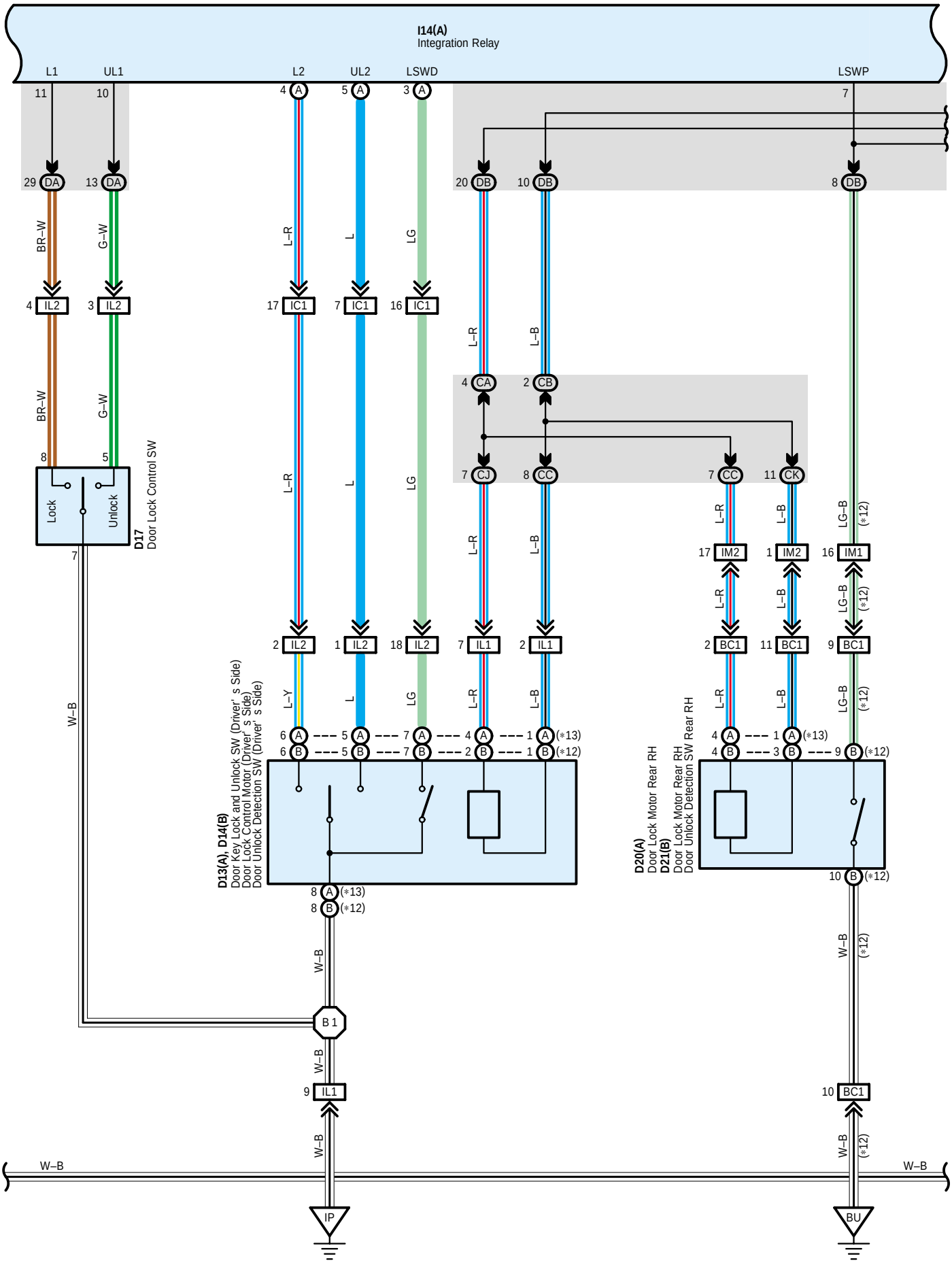
I14(A)
Integration Relay
L1
UL1
L2
UL2
LSWD
LSWP
D17
Door Lock Control SW
Lock
Unlock
D13(A), D14(B)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D20(A)
D21(B)
Door Lock Motor Rear RH
Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
B 1
IP
BU
W–B
BR–W
G–W
L–R
L
LG
L–Y
L–B
LG–B

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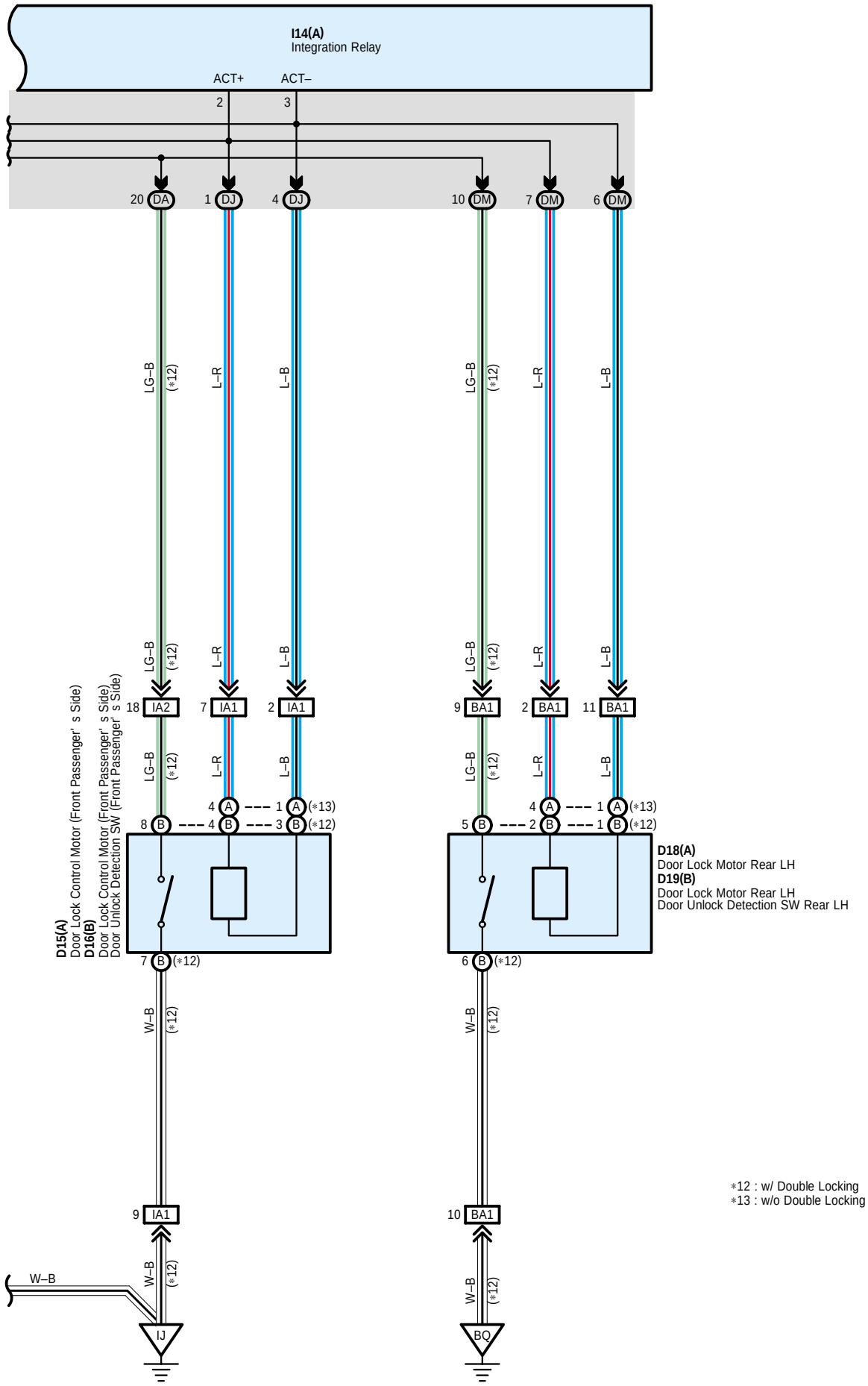
Door Lock Control (RHD) and Theft Deterrent



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System Outline

Manual Lock Operation

All the doors are locked when the door lock control SW or the driver's side door key linked SW is operated to lock.

Manual Unlock Operation

All the doors are unlocked when the door lock control SW or the driver's side door key linked SW is operated to unlock.

Ignition Key Reminder Operation

The doors can not be locked unless the key is removed from the ignition key cylinder.

Service Hints

Integration Relay

23, 1–Ground : Always approx. 12 volts
25–Ground : Always continuity
22–Ground : Approx. 12 volts with the ignition SW at ON position

U1 Unlock Warning SW

2–1 : Closed with the ignition key in cylinder

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○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A13 A	66 (RHD)	D19 B	70 (RHD S/D)	J30 A	71 (RHD S/D)
A15 B	66 (RHD)		72 (RHD L/B)	J31 B	71 (RHD S/D)
B7	72 (RHD L/B)		74 (RHD W/G)	J32	71 (RHD S/D)
	74 (RHD W/G)	D20 A	70 (RHD S/D)		73 (RHD L/B)
B8	72 (RHD L/B)	D21 B	70 (RHD S/D)		75 (RHD W/G)
	74 (RHD W/G)		72 (RHD L/B)	J33 A	73 (RHD L/B)
C10 A	66 (RHD)		74 (RHD W/G)		75 (RHD W/G)
C11 B	66 (RHD)	E6	58 (*7)	J34 B	73 (RHD L/B)
D3	67 (RHD)		62 (*9)		75 (RHD W/G)
D5	67 (RHD)		64 (*10)	L3	71 (RHD S/D)
D6	67 (RHD)	E9 A	67 (RHD)	L4	71 (RHD S/D)
D9	70 (RHD S/D)	E10 B	67 (RHD)	M6	71 (RHD S/D)
	72 (RHD L/B)	F19	67 (RHD)		73 (RHD L/B)
	74 (RHD W/G)	H11	58 (*7)		75 (RHD W/G)
D10	70 (RHD S/D)		62 (*9)	P8	71 (RHD S/D)
	72 (RHD L/B)		64 (*10)		73 (RHD L/B)
	74 (RHD W/G)	H12	58 (*7)		75 (RHD W/G)
D11	70 (RHD S/D)		62 (*9)	T6	69 (RHD)
	72 (RHD L/B)		64 (*10)	T10	69 (RHD)
	74 (RHD W/G)	I11 A	67 (RHD)	T12	71 (RHD S/D)
D12	70 (RHD S/D)	I12 B	67 (RHD)		73 (RHD L/B)
	72 (RHD L/B)	I14 A	67 (RHD)		75 (RHD W/G)
	74 (RHD W/G)	I16	70 (RHD S/D)	T13	75 (RHD W/G)
D13 A	70 (RHD S/D)		72 (RHD L/B)	T14	75 (RHD W/G)
D14 B	70 (RHD S/D)		74 (RHD W/G)	T15	71 (RHD S/D)
	72 (RHD L/B)	J15	68 (RHD)		73 (RHD L/B)
	74 (RHD W/G)	J16	68 (RHD)		75 (RHD W/G)
D15 A	70 (RHD S/D)	J20 A	68 (RHD)	U1	69 (RHD)
D16 B	70 (RHD S/D)	J21 B	68 (RHD)	V8	71 (RHD S/D)
	72 (RHD L/B)	J22 A	68 (RHD)		73 (RHD L/B)
	74 (RHD W/G)	J23 B	68 (RHD)		75 (RHD W/G)
D17	70 (RHD S/D)	J24 A	68 (RHD)	V9	71 (RHD S/D)
	72 (RHD L/B)	J25 B	68 (RHD)		73 (RHD L/B)
	74 (RHD W/G)	J26 A	68 (RHD)		75 (RHD W/G)
D18 A	70 (RHD S/D)	J27 B	68 (RHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
CG	35	
CH		
CI		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DJ		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	106 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
ID1	106 (RHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2		
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
BA1	110 (RHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BB1	110 (RHD S/D)	Roof Wire and Roof No.2 Wire (Near the Personal Light)
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	110 (RHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BD2	112 (RHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	112 (RHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	114 (RHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	114 (RHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

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▽ : **Ground Points**

Code	See Page	Ground Points Location
EC	98 (*7)	Engine Compartment Left
	102 (*9)	
	104 (*10)	
IJ	106 (RHD)	Left Kick Panel
IK	106 (RHD)	Behind the Combination Meter
IL		
IP	106 (RHD)	Right Kick Panel
BQ	110 (RHD S/D)	Under the Left Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BS	110 (RHD S/D)	Lower Back Panel Left
BU	110 (RHD S/D)	Under the Right Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BV	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BX	112 (RHD L/B)	Right Side of the Back Door
	114 (RHD W/G)	

○ : **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	110 (RHD S/D)	Front Door LH Wire	B5	110 (RHD S/D)	Roof Wire
	112 (RHD L/B)			112 (RHD L/B)	
	114 (RHD W/G)			114 (RHD W/G)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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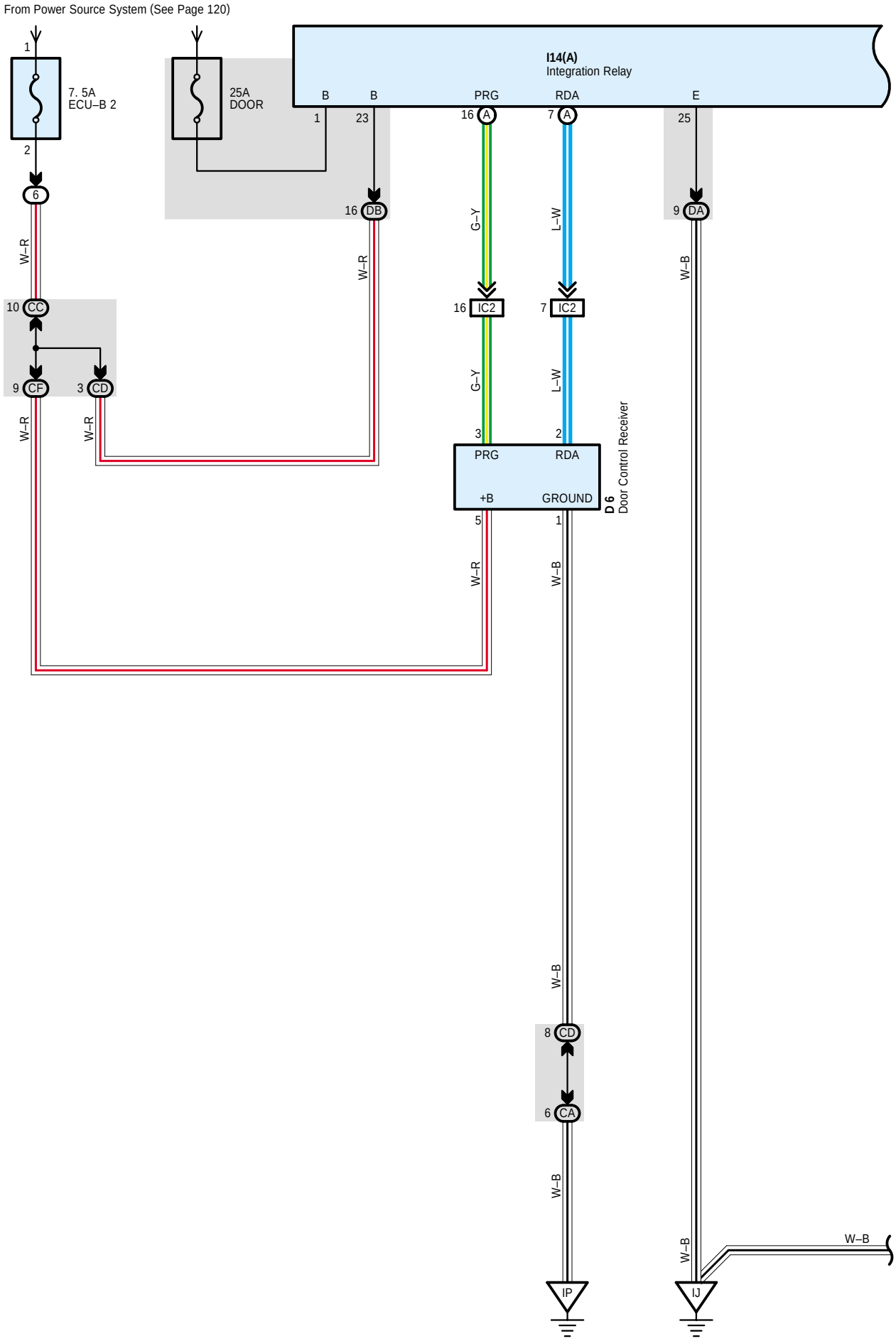
Wireless Door Lock Control (LHD)



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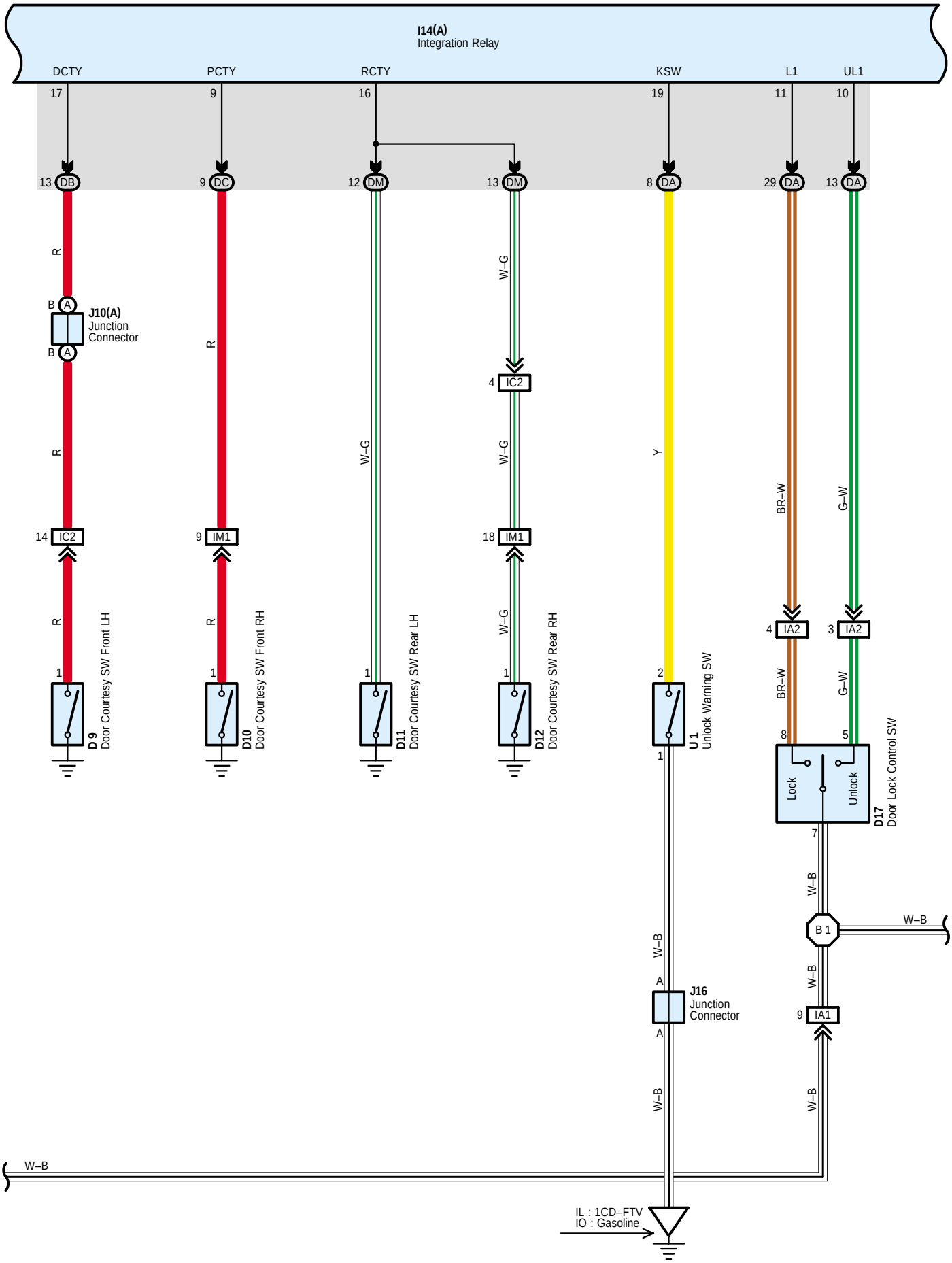
I14(A)
Integration Relay
DCTY
PCTY
RCTY
KSW
L1
UL1
17
9
16
19
11
10
13 DB
9 DC
12 DM
13 DM
8 DA
29 DA
13 DA
R
R
W–G
W–G
Y
BR–W
G–W
B A
J10(A)
Junction
Connector
B A
4 IC2
14 IC2
9 IM1
18 IM1
4 IA2
3 IA2
R
R
W–G
W–G
BR–W
G–W
1
1
1
1
2
8
5
D9
Door Courtesy SW Front LH
D10
Door Courtesy SW Front RH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
U1
Unlock Warning SW
Lock
Unlock
D17
Door Lock Control SW
1
7
W–B
W–B
B 1
W–B
W–B
A
J16
Junction
Connector
A
9 IA1
W–B
W–B
W–B
IL : 1CD–FTV
IO : Gasoline

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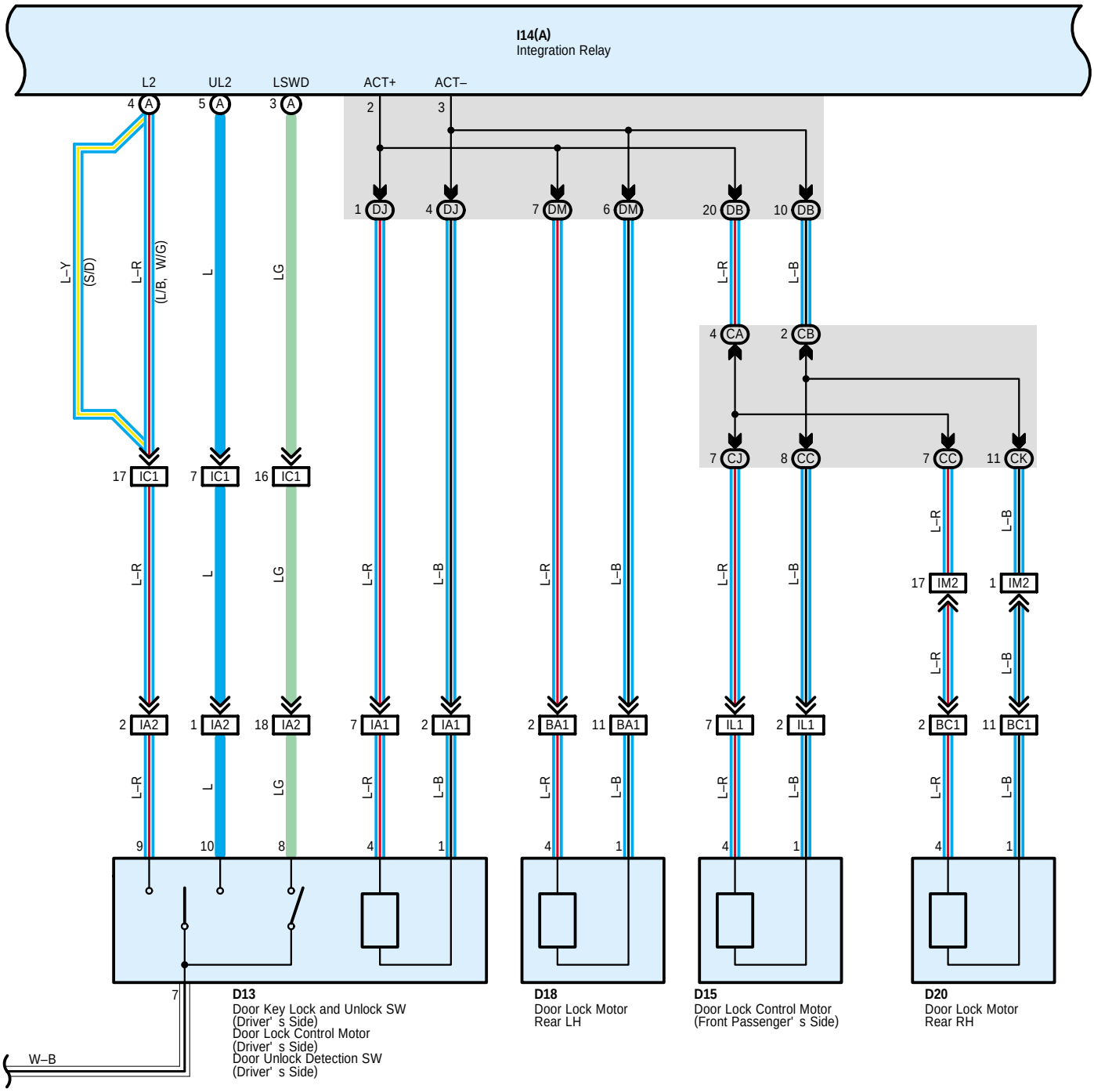
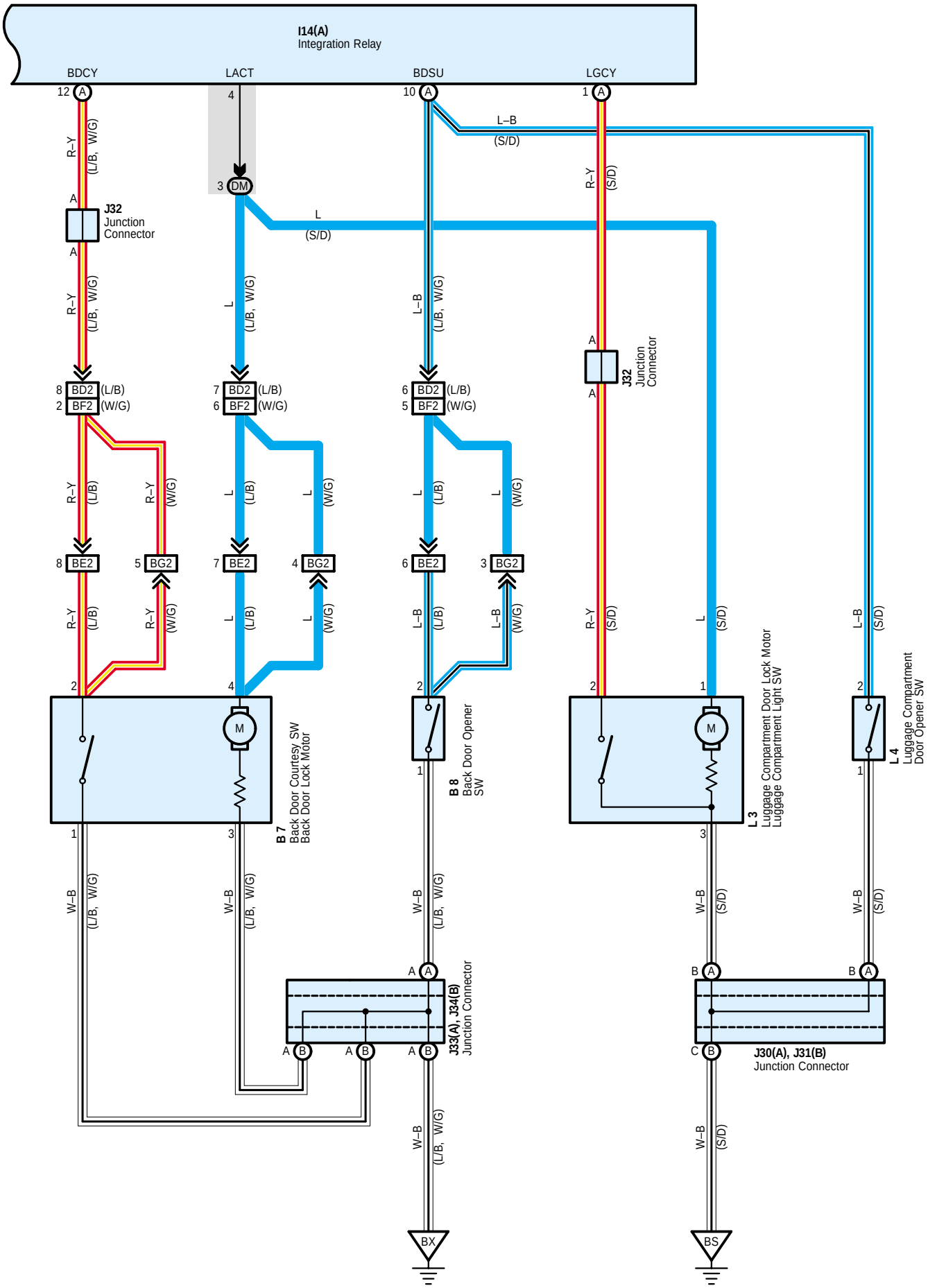
Wireless Door Lock Control (LHD)



http://vnx.su


I14(A)
Integration Relay
BDCY
LACT
BDSU
LGCY
J32
Junction
Connector
L–B
(S/D)
R–Y
(L/B, W/G)
L
(L/B, W/G)
L–B
(L/B, W/G)
R–Y
(S/D)
BD2 (L/B)
BF2 (W/G)
BE2
BG2
R–Y (L/B)
R–Y (W/G)
L (L/B)
L (W/G)
L–B (L/B)
L–B (W/G)
R–Y (S/D)
L (S/D)
L–B (S/D)
B 7
Back Door Courtesy SW
Back Door Lock Motor
B 8
Back Door Opener
SW
L 3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4
Luggage Compartment
Door Opener SW
J33(A), J34(B)
Junction Connector
J30(A), J31(B)
Junction Connector
W–B (L/B, W/G)
W–B (S/D)
BX
BS

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Wireless Door Lock Control (LHD)

System Outline

The current is always sent from DOOR fuse to TERMINAL 1 of the integration relay. At the same time, the current is always sent from ECU–B 2 fuse to TERMINAL 5 of the door control receiver.

1. Wireless Door Lock or Unlock Normal Operation

∗ Lock operation
When the LOCK SW of the transmitter is pushed, all the doors are locked.
∗ Unlock operation
When the UNLOCK SW of the transmitter is pushed, all the doors are unlocked.
∗ Luggage door unlock operation (S/D)
When the luggage door unlock SW is pushed, the luggage door is unlocked.
∗ Back door unlock operation (L/B, W/G)
When the back door unlock SW is pushed, the back door is unlocked.

2. Automatic Lock Operation

If the door is not actually opened within approx. 30 sec. after the door has been unlocked by pushing the UNLOCK SW of the transmitter, unless each of the doors is opened or the ignition key is inserted, all the doors are locked again.

3. Visual Confirmation of Lock or Unlock Function

When doors are locked by using the transmitter, the hazard warning lights blink once. When doors are unlocked by using the transmitter, the hazard warning lights blink twice.

4. Wireless Control Stop Function

If the following situations occur, wireless door lock function does not operate.
Lock operation
∗ When each of the doors opens. (Door courtesy SW is on)
∗ When ignition key is inserted to ignition SW. (Unlock warning SW is on)
∗ When ignition SW is on.
Unlock operation
∗ When ignition SW is on.
∗ When ignition key is inserted to ignition SW. (Unlock warning SW is on)

5. Repeat Function

If the doors are not locked after the lock signal is out put from transmitter by pushing LOCK SW, the lock signal is sent again to lock the doors.

Service Hints

Integration Relay

23, 1–Ground : Always approx. 12 volts
25–Ground : Always continuity

U1 Unlock Warning SW

2–1 : Closed with the ignition key in cylinder

D6 Door Control Receiver

5–Ground : Always approx. 12 volts
1–Ground : Always continuity

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○ : Parts Location

Code	See Page	Code	See Page	Code		See Page
B7	52 (LHD L/B)	D12	54 (LHD W/G)	I14	A	47 (LHD)
	54 (LHD W/G)	D13	50 (LHD S/D)	J10	A	48 (LHD)
B8	52 (LHD L/B)		52 (LHD L/B)	J16		48 (LHD)
	54 (LHD W/G)		54 (LHD W/G)	J30	A	51 (LHD S/D)
D6	47 (LHD)	D15	50 (LHD S/D)	J31	B	51 (LHD S/D)
D9	50 (LHD S/D)		52 (LHD L/B)	J32		51 (LHD S/D)
	52 (LHD L/B)		54 (LHD W/G)			53 (LHD L/B)
	54 (LHD W/G)	D17	50 (LHD S/D)			55 (LHD W/G)
D10	50 (LHD S/D)		52 (LHD L/B)	J33	A	53 (LHD L/B)
	52 (LHD L/B)		54 (LHD W/G)			55 (LHD W/G)
	54 (LHD W/G)	D18	50 (LHD S/D)	J34	B	53 (LHD L/B)
D11	50 (LHD S/D)		52 (LHD L/B)			55 (LHD W/G)
	52 (LHD L/B)		54 (LHD W/G)	L3		51 (LHD S/D)
	54 (LHD W/G)	D20	50 (LHD S/D)	L4		51 (LHD S/D)
D12	50 (LHD S/D)		52 (LHD L/B)	U1		49 (LHD)
	52 (LHD L/B)		54 (LHD W/G)			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CF		
CJ	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DJ		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

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Wireless Door Lock Control (LHD)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	90 (LHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BC1	90 (LHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BD2	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
BS	90 (LHD S/D)	Lower Back Panel Left
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	90 (LHD S/D)	Front Door LH Wire	B1	94 (LHD W/G)	Front Door LH Wire
	92 (LHD L/B)				

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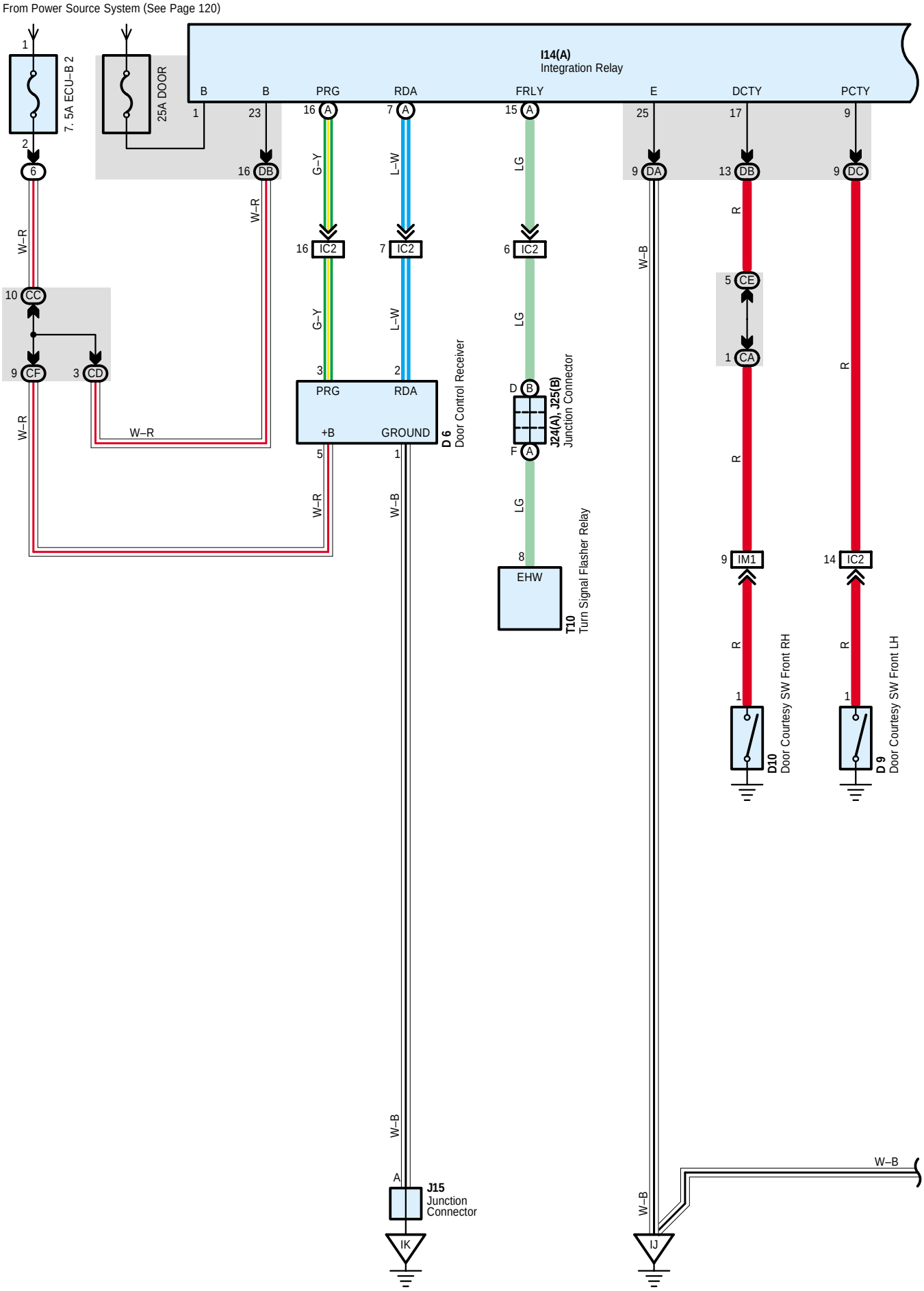
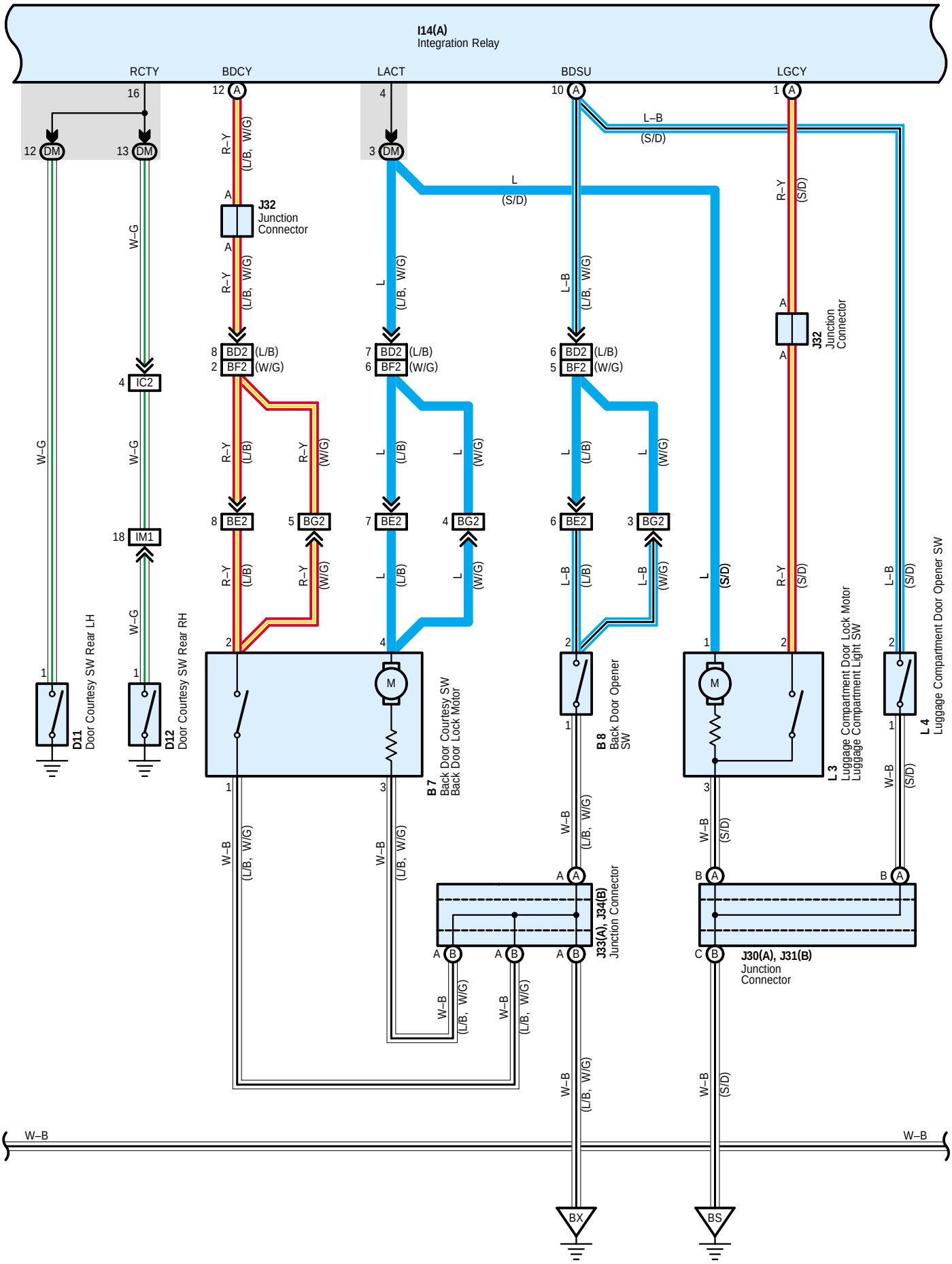
Wireless Door Lock Control (RHD)



http://vnx.su


I14(A)
Integration Relay
RCTY
BDCY
LACT
BDSU
LGCY
J32
Junction Connector
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
B 7
Back Door Courtesy SW
Back Door Lock Motor
B 8
Back Door Opener SW
L 3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4
Luggage Compartment Door Opener SW
J33(A), J34(B)
Junction Connector
J30(A), J31(B)
Junction Connector
BX
BS
W–B

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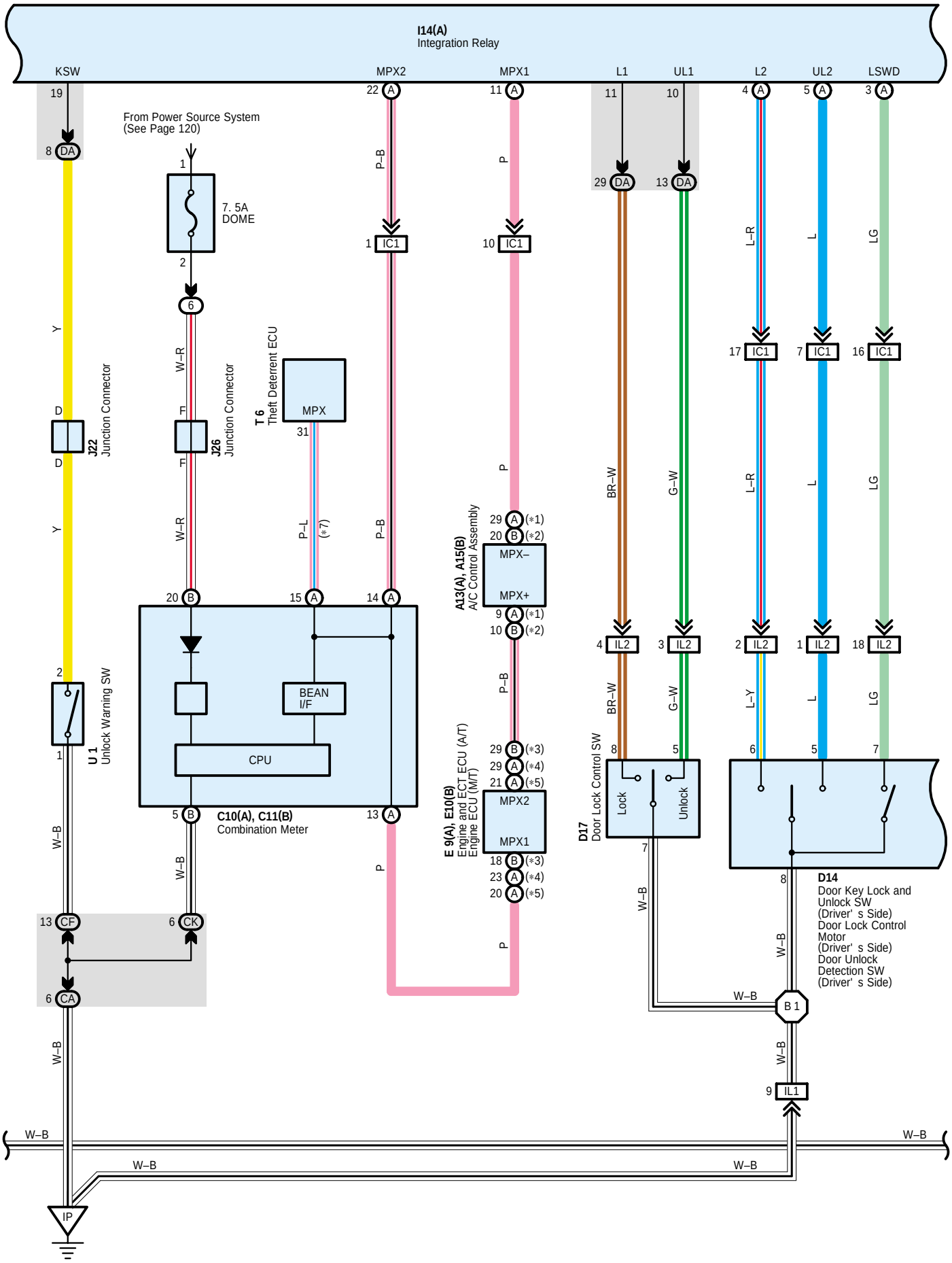
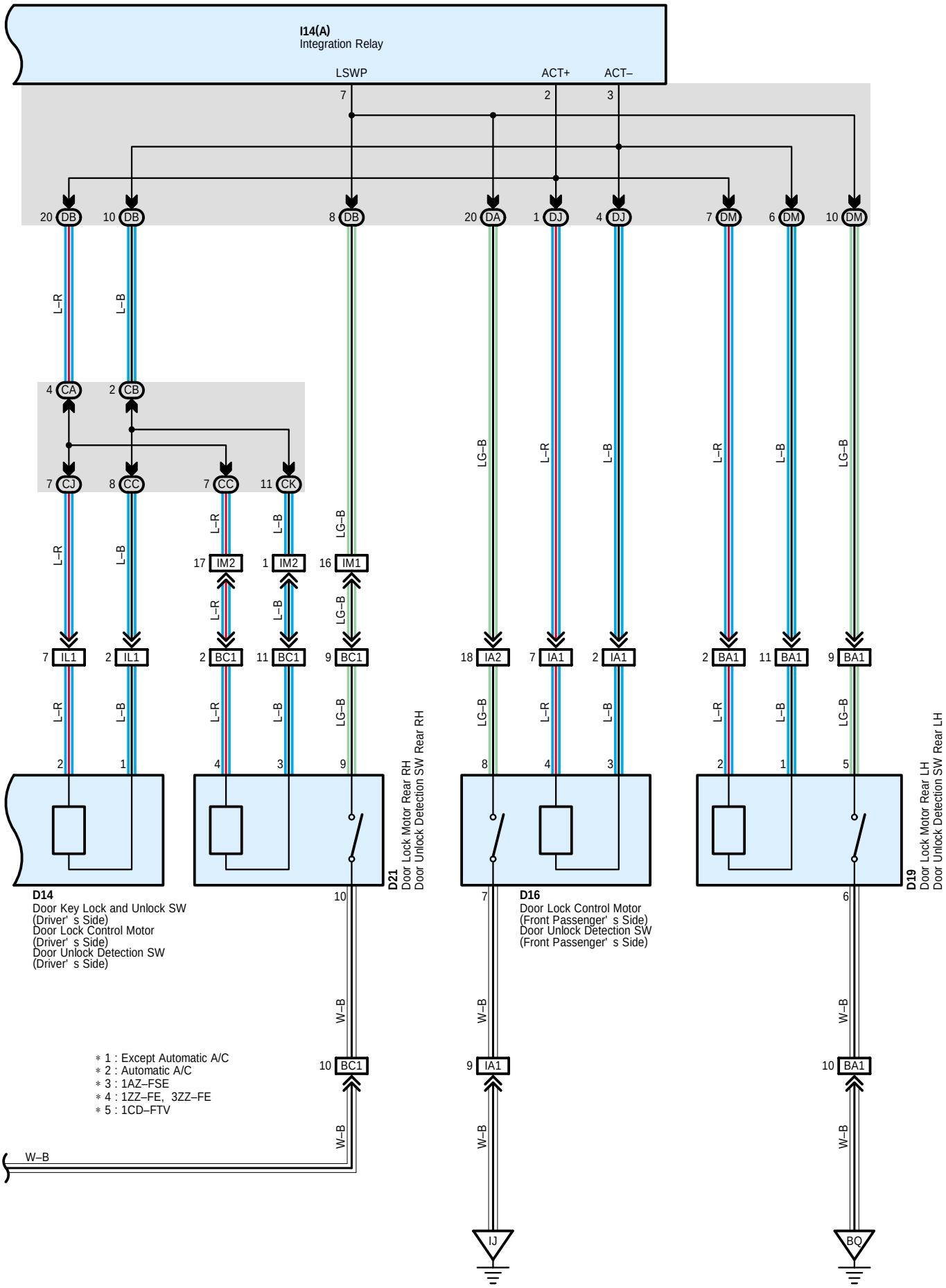
Wireless Door Lock Control (RHD)



http://vnx.su


I14(A)
Integration Relay
LSWP
ACT+
ACT–
7
2
3
20 DB
10 DB
8 DB
20 DA
1 DJ
4 DJ
7 DM
6 DM
10 DM
L–R
L–B
LG–B
4 CA
2 CB
7 CJ
8 CC
7 CC
11 CK
17 IM2
1 IM2
16 IM1
7 IL1
2 IL1
2 BC1
11 BC1
9 BC1
18 IA2
7 IA1
2 IA1
2 BA1
11 BA1
9 BA1
2
1
4
3
9
8
5
10
7
6
W–B
9 IA1
10 BC1
10 BA1
IJ
BQ
D14
Door Key Lock and Unlock SW
(Driver' s Side)
Door Lock Control Motor
(Driver' s Side)
Door Unlock Detection SW
(Driver' s Side)
D21
Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
D16
Door Lock Control Motor
(Front Passenger' s Side)
Door Unlock Detection SW
(Front Passenger' s Side)
D19
Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
* 1 : Except Automatic A/C
* 2 : Automatic A/C
* 3 : 1AZ–FSE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : 1CD–FTV

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Wireless Door Lock Control (RHD)

System Outline

The current is always sent from DOOR fuse to TERMINAL 1 of the integration relay. At the same time, the current is always sent from ECU–B 2 fuse to TERMINAL 5 of the door control receiver.

1. Wireless Door Lock or Unlock Normal Operation

∗ Lock operation
When the LOCK SW of the transmitter is pushed, all the doors are locked.
∗ Unlock operation
When the UNLOCK SW of the transmitter is pushed, all the doors are unlocked.
∗ Luggage door unlock operation (S/D)
When the luggage door unlock SW is pushed, the luggage door is unlocked.
∗ Back door unlock operation (L/B, W/G)
When the back door unlock SW is pushed, the back door is unlocked.

2. Automatic Lock Operation

If the door is not actually opened within approx. 30 sec. after the door has been unlocked by pushing the UNLOCK SW of the transmitter, unless each of the doors is opened or the ignition key is inserted, all the doors are locked again.

3. Visual Confirmation of Lock or Unlock Function

When doors are locked by using the transmitter, the hazard warning lights blink once. When doors are unlocked by using the transmitter, the hazard warning lights blink twice.

4. Wireless Control Stop Function

If the following situations occur, wireless door lock function does not operate.
Lock operation
∗ When each of the doors opens. (Door courtesy SW is on)
∗ When ignition key is inserted to ignition SW. (Unlock warning SW is on)
∗ When ignition SW is on.
Unlock operation
∗ When ignition SW is on.
∗ When ignition key is inserted to ignition SW. (Unlock warning SW is on)

5. Repeat Function

If the doors are not locked after the lock signal is out put from transmitter by pushing LOCK SW, the lock signal is sent again to lock the doors.

Service Hints

Integration Relay

23, 1–Ground : Always approx. 12 volts
25–Ground : Always continuity

U1 Unlock Warning SW

2–1 : Closed with the ignition key in cylinder

D6 Door Control Receiver

5–Ground : Always approx. 12 volts
1–Ground : Always continuity

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: Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	66 (RHD)	D12		74 (RHD W/G)	J22		68 (RHD)
A15	B	66 (RHD)	D14		70 (RHD S/D)	J24	A	68 (RHD)
B7		72 (RHD L/B)			72 (RHD L/B)	J25	B	68 (RHD)
		74 (RHD W/G)			74 (RHD W/G)	J26		68 (RHD)
B8		72 (RHD L/B)	D16		70 (RHD S/D)	J30	A	71 (RHD S/D)
		74 (RHD W/G)			72 (RHD L/B)	J31	B	71 (RHD S/D)
C10	A	66 (RHD)			74 (RHD W/G)	J32		71 (RHD S/D)
C11	B	66 (RHD)	D17		70 (RHD S/D)			73 (RHD L/B)
D6		67 (RHD)			72 (RHD L/B)			75 (RHD W/G)
D9		70 (RHD S/D)			74 (RHD W/G)	J33	A	73 (RHD L/B)
		72 (RHD L/B)	D19		70 (RHD S/D)			75 (RHD W/G)
		74 (RHD W/G)			72 (RHD L/B)	J34	B	73 (RHD L/B)
D10		70 (RHD S/D)			74 (RHD W/G)			75 (RHD W/G)
		72 (RHD L/B)	D21		70 (RHD S/D)	L3		71 (RHD S/D)
		74 (RHD W/G)			72 (RHD L/B)	L4		71 (RHD S/D)
D11		70 (RHD S/D)			74 (RHD W/G)	T6		69 (RHD)
		72 (RHD L/B)	E9	A	67 (RHD)	T10		69 (RHD)
		74 (RHD W/G)	E10	B	67 (RHD)	U1		69 (RHD)
D12		70 (RHD S/D)	I14	A	67 (RHD)			
		72 (RHD L/B)	J15		68 (RHD)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
CJ	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DJ		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

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Wireless Door Lock Control (RHD)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	106 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IL1	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2		
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	110 (RHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	110 (RHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BD2	112 (RHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	112 (RHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	114 (RHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	114 (RHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

: Ground Points

Code	See Page	Ground Points Location
IJ	106 (RHD)	Left Kick Panel
IK	106 (RHD)	Behind the Combination Meter
IP	106 (RHD)	Right Kick Panel
BQ	110 (RHD S/D)	Under the Left Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BS	110 (RHD S/D)	Lower Back Panel Left
BX	112 (RHD L/B)	Right Side of the Back Door
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	110 (RHD S/D)	Front Door LH Wire	B1	114 (RHD W/G)	Front Door LH Wire
	112 (RHD L/B)				

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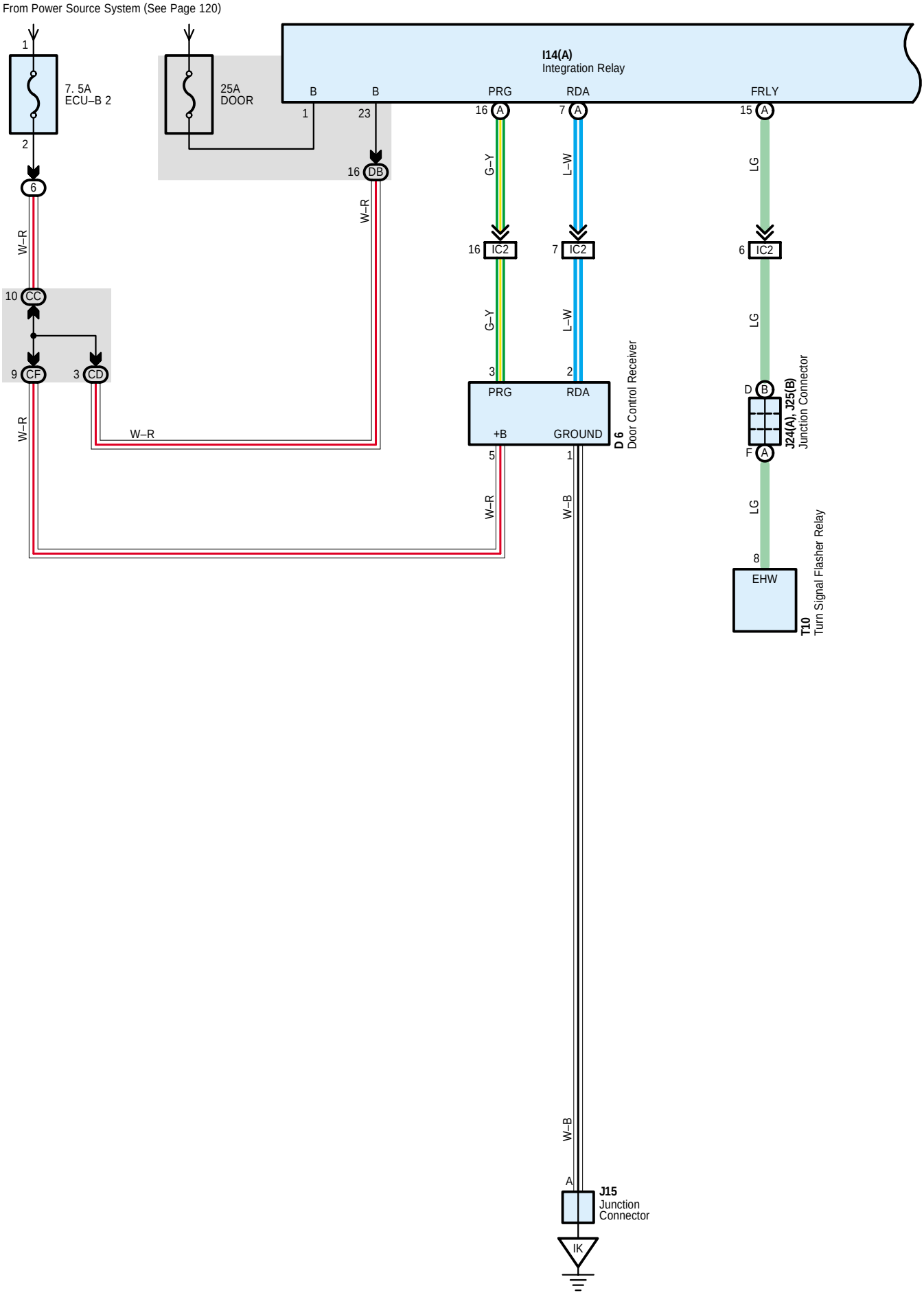
Double Locking



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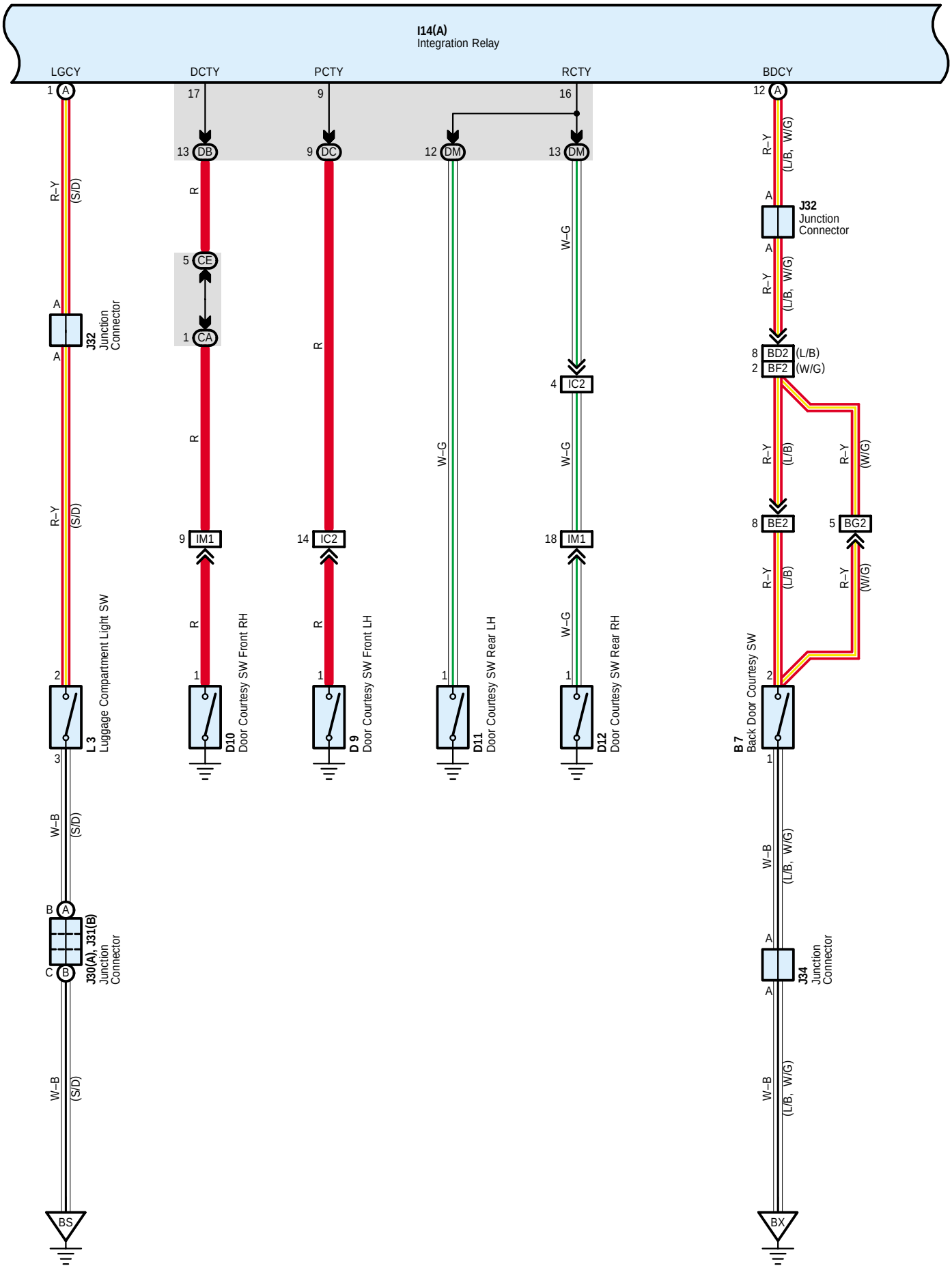
I14(A)
Integration Relay
LGCY
DCTY
PCTY
RCTY
BDCY
J32
Junction Connector
L 3
Luggage Compartment Light SW
D10
Door Courtesy SW Front RH
D 9
Door Courtesy SW Front LH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
B 7
Back Door Courtesy SW
J30(A), J31(B)
Junction Connector
J34
Junction Connector
BS
BX

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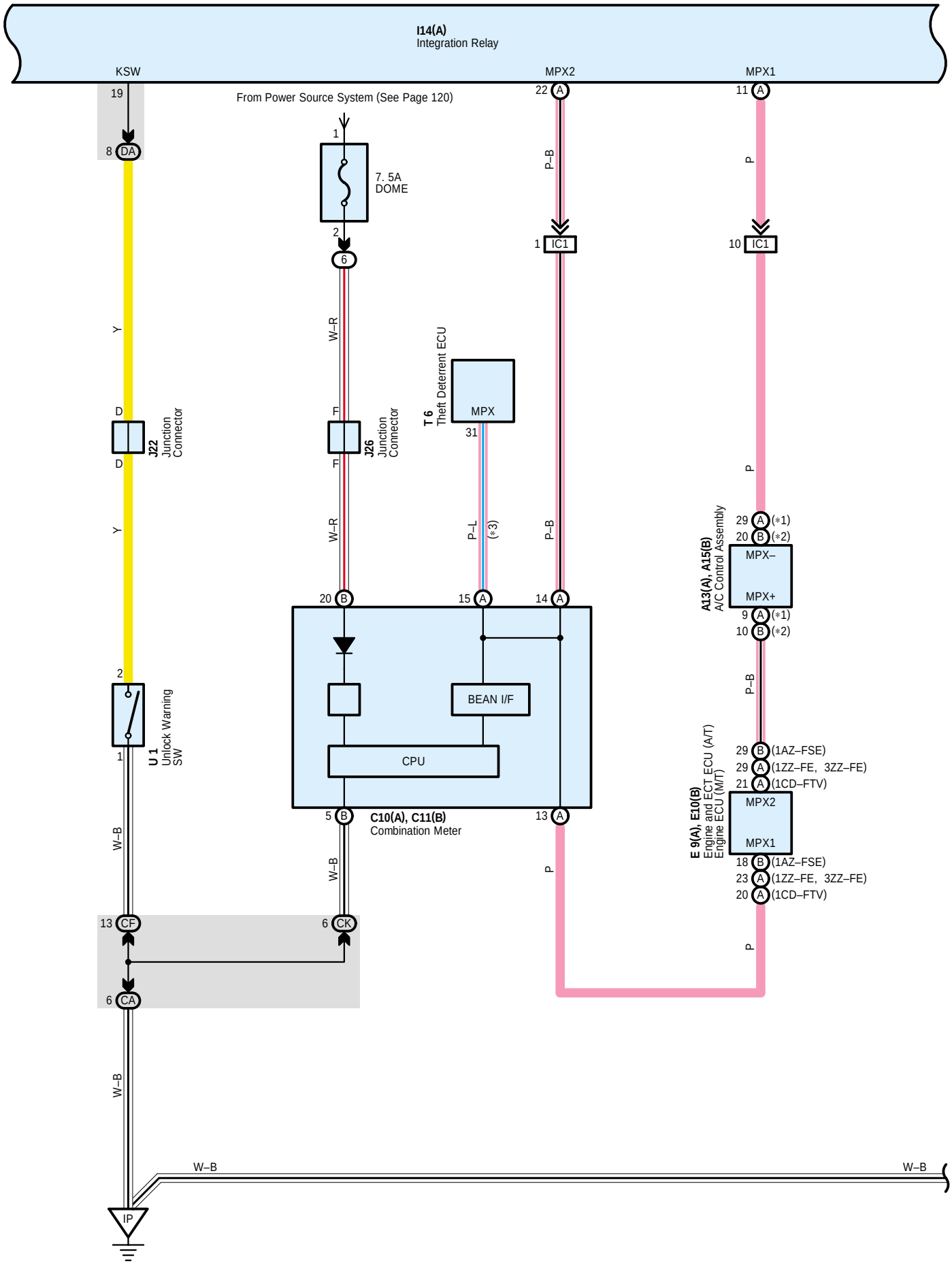
Double Locking



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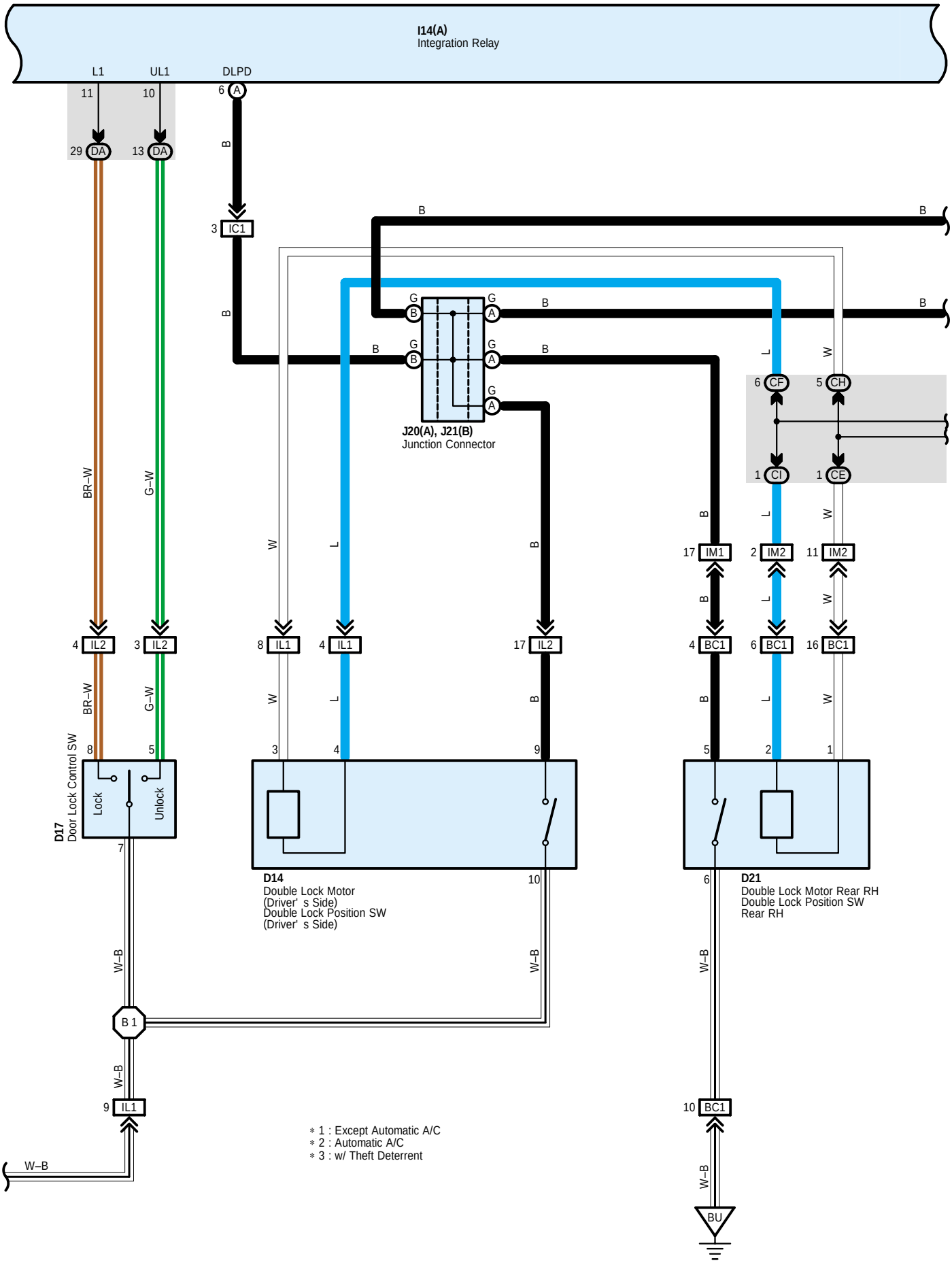
I14(A)
Integration Relay
L1
UL1
DLPD
11
10
6 A
29 DA
13 DA
B
3 IC1
B
B
B
G B
G A
B
G B
G A
B
G A
J20(A), J21(B)
Junction Connector
L
W
6 CF
5 CH
1 CI
1 CE
BR–W
G–W
W
L
B
17 IM1
2 IM2
11 IM2
B
L
W
4 IL2
3 IL2
8 IL1
4 IL1
17 IL2
4 BC1
6 BC1
16 BC1
BR–W
G–W
W
L
B
B
L
W
8
5
3
4
9
5
2
1
D17
Door Lock Control SW
Lock
Unlock
7
D14
Double Lock Motor
(Driver' s Side)
Double Lock Position SW
(Driver' s Side)
10
6
D21
Double Lock Motor Rear RH
Double Lock Position SW
Rear RH
W–B
W–B
W–B
B 1
W–B
9 IL1
10 BC1
W–B
W–B
BU
* 1 : Except Automatic A/C
* 2 : Automatic A/C
* 3 : w/ Theft Deterrent

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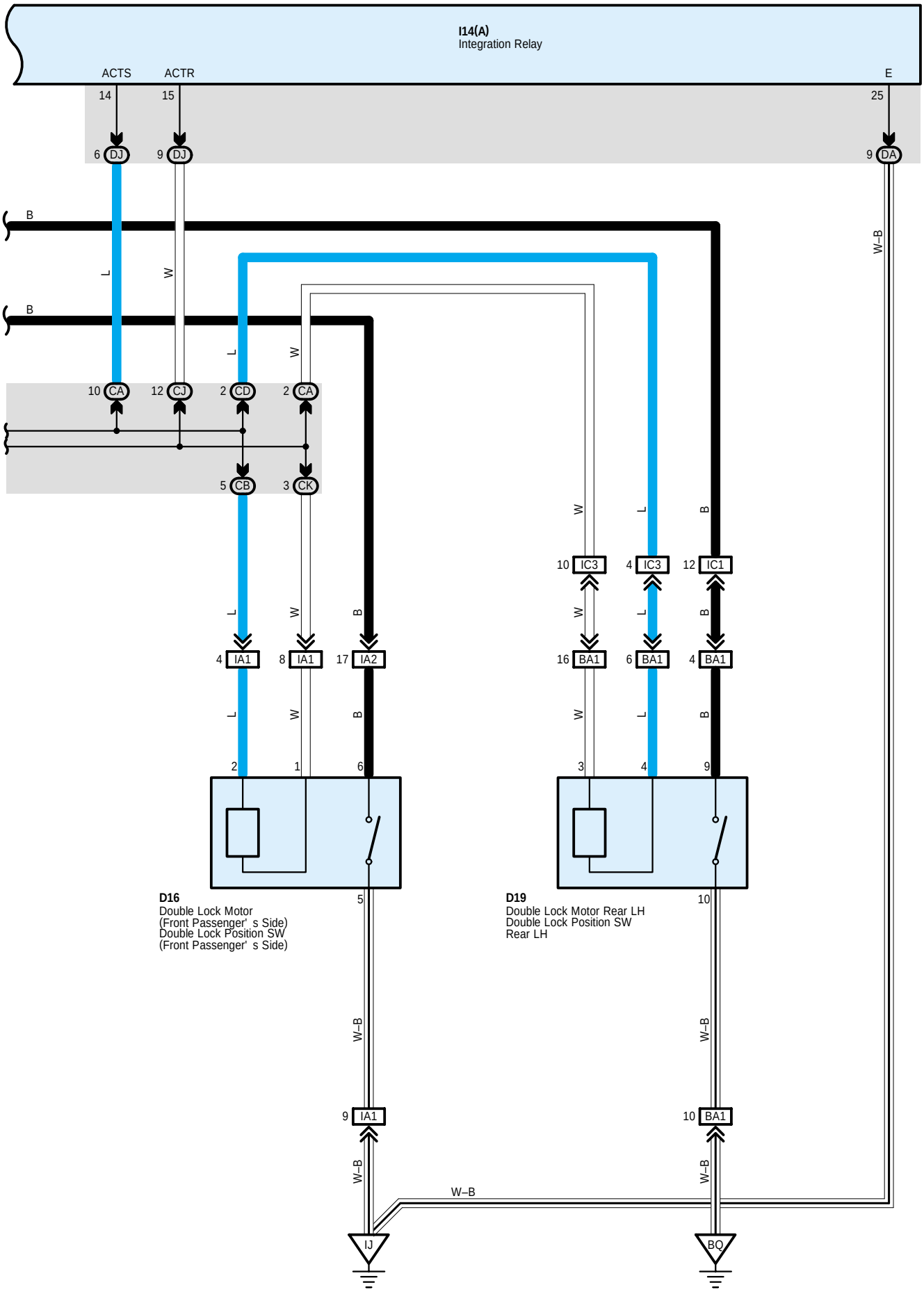
Double Locking



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Service Hints

Integration Relay

1, 23–Ground : Always approx. 12 volts
25–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A13 A	66 (RHD)	D14	70 (RHD S/D)	J20 A	68 (RHD)
A15 B	66 (RHD)		72 (RHD L/B)	J21 B	68 (RHD)
B7	72 (RHD L/B)		74 (RHD W/G)	J22	68 (RHD)
	74 (RHD W/G)	D16	70 (RHD S/D)	J24 A	68 (RHD)
C10 A	66 (RHD)		72 (RHD L/B)	J25 B	68 (RHD)
C11 B	66 (RHD)		74 (RHD W/G)	J26	68 (RHD)
D6	67 (RHD)	D17	70 (RHD S/D)	J30 A	71 (RHD S/D)
D9	70 (RHD S/D)		72 (RHD L/B)	J31 B	71 (RHD S/D)
	72 (RHD L/B)		74 (RHD W/G)	J32	71 (RHD S/D)
	74 (RHD W/G)	D19	70 (RHD S/D)		73 (RHD L/B)
D10	70 (RHD S/D)		72 (RHD L/B)		75 (RHD W/G)
	72 (RHD L/B)		74 (RHD W/G)	J34	73 (RHD L/B)
	74 (RHD W/G)	D21	70 (RHD S/D)		75 (RHD W/G)
D11	70 (RHD S/D)		72 (RHD L/B)	L3	71 (RHD S/D)
	72 (RHD L/B)		74 (RHD W/G)	T6	69 (RHD)
	74 (RHD W/G)	E9 A	67 (RHD)	T10	69 (RHD)
D12	70 (RHD S/D)	E10 B	67 (RHD)	U1	69 (RHD)
	72 (RHD L/B)	I14 A	67 (RHD)		
	74 (RHD W/G)	J15	68 (RHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
CH	35	
CI		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DJ		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

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Double Locking

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	106 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
IL1	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2		
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	110 (RHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	110 (RHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BD2	112 (RHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	112 (RHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	114 (RHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	114 (RHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

: Ground Points

Code	See Page	Ground Points Location
IJ	106 (RHD)	Left Kick Panel
IK	106 (RHD)	Behind the Combination Meter
IP	106 (RHD)	Right Kick Panel
BQ	110 (RHD S/D)	Under the Left Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BS	110 (RHD S/D)	Lower Back Panel Left
BU	110 (RHD S/D)	Under the Right Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BX	112 (RHD L/B)	Right Side of the Back Door
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	110 (RHD S/D)	Front Door LH Wire	B1	114 (RHD W/G)	Front Door LH Wire
	112 (RHD L/B)				

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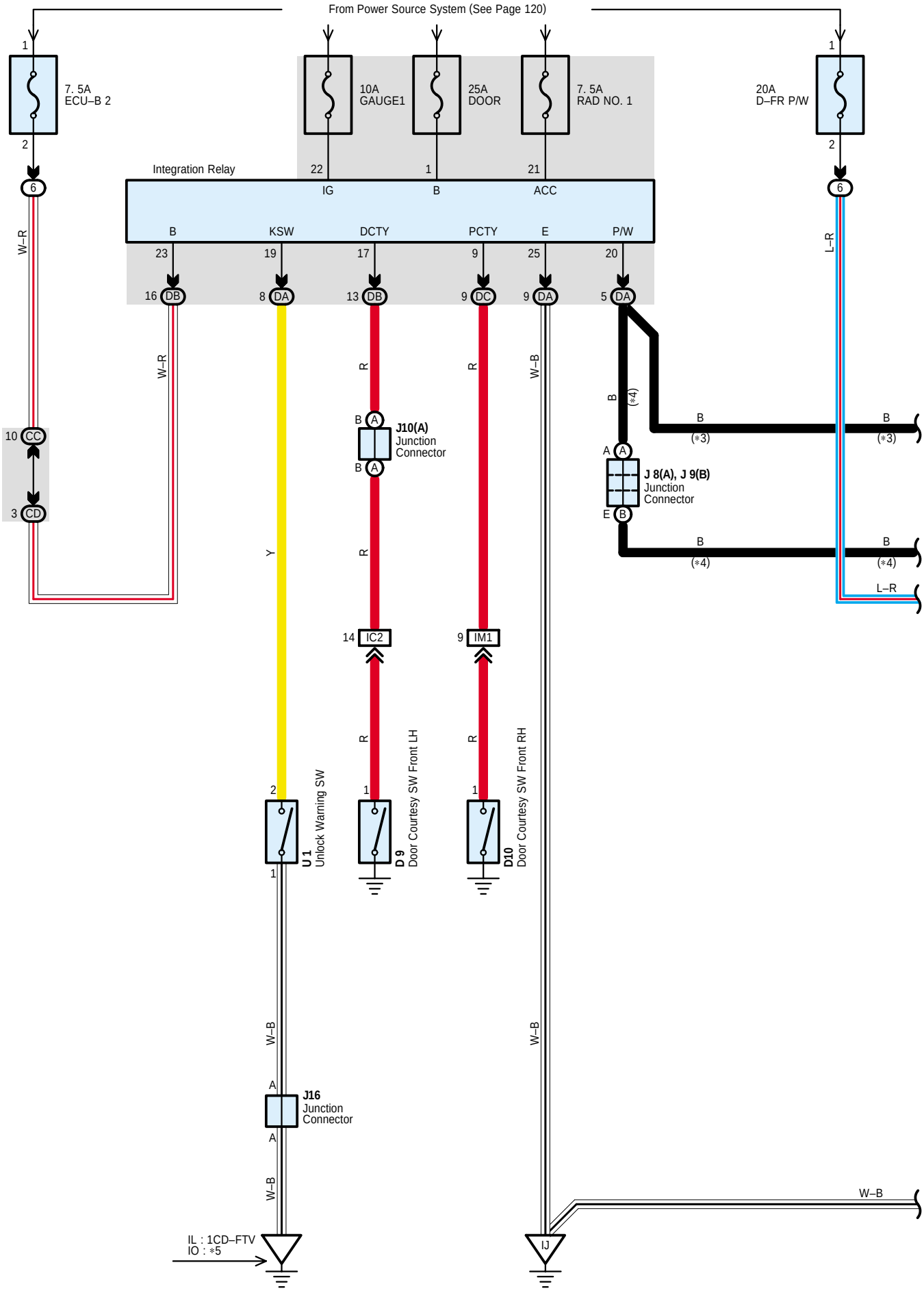
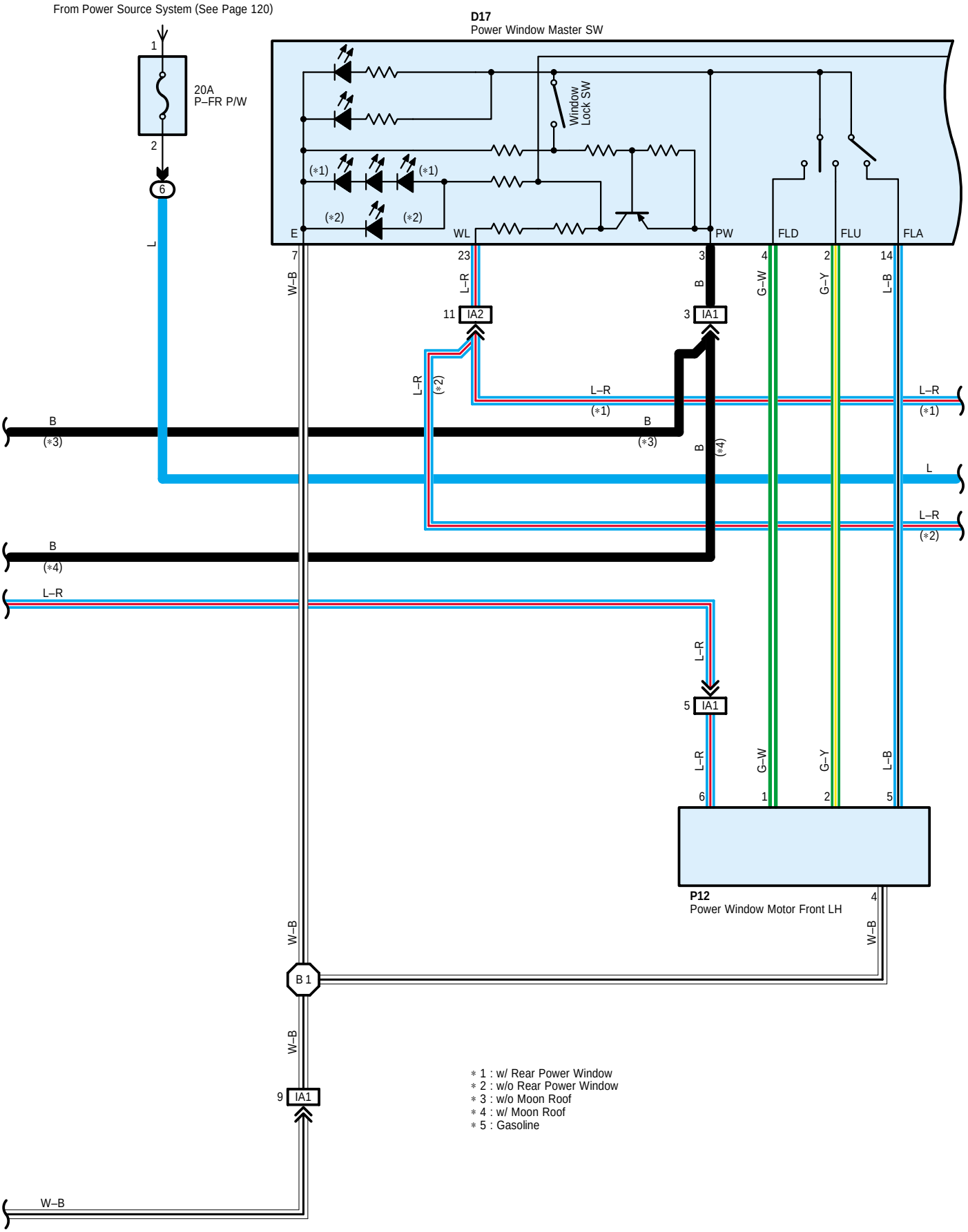
Power Window (LHD)



http://vnx.su


From Power Source System (See Page 120)
D17
Power Window Master SW
20A
P–FR P/W
Window
Lock SW
E
WL
PW
FLD
FLU
FLA
IA2
IA1
P12
Power Window Motor Front LH
B 1
W–B
L–R
G–W
G–Y
L–B
B
L
(∗1)
(∗2)
(∗3)
(∗4)
∗ 1 : w/ Rear Power Window
∗ 2 : w/o Rear Power Window
∗ 3 : w/o Moon Roof
∗ 4 : w/ Moon Roof
∗ 5 : Gasoline

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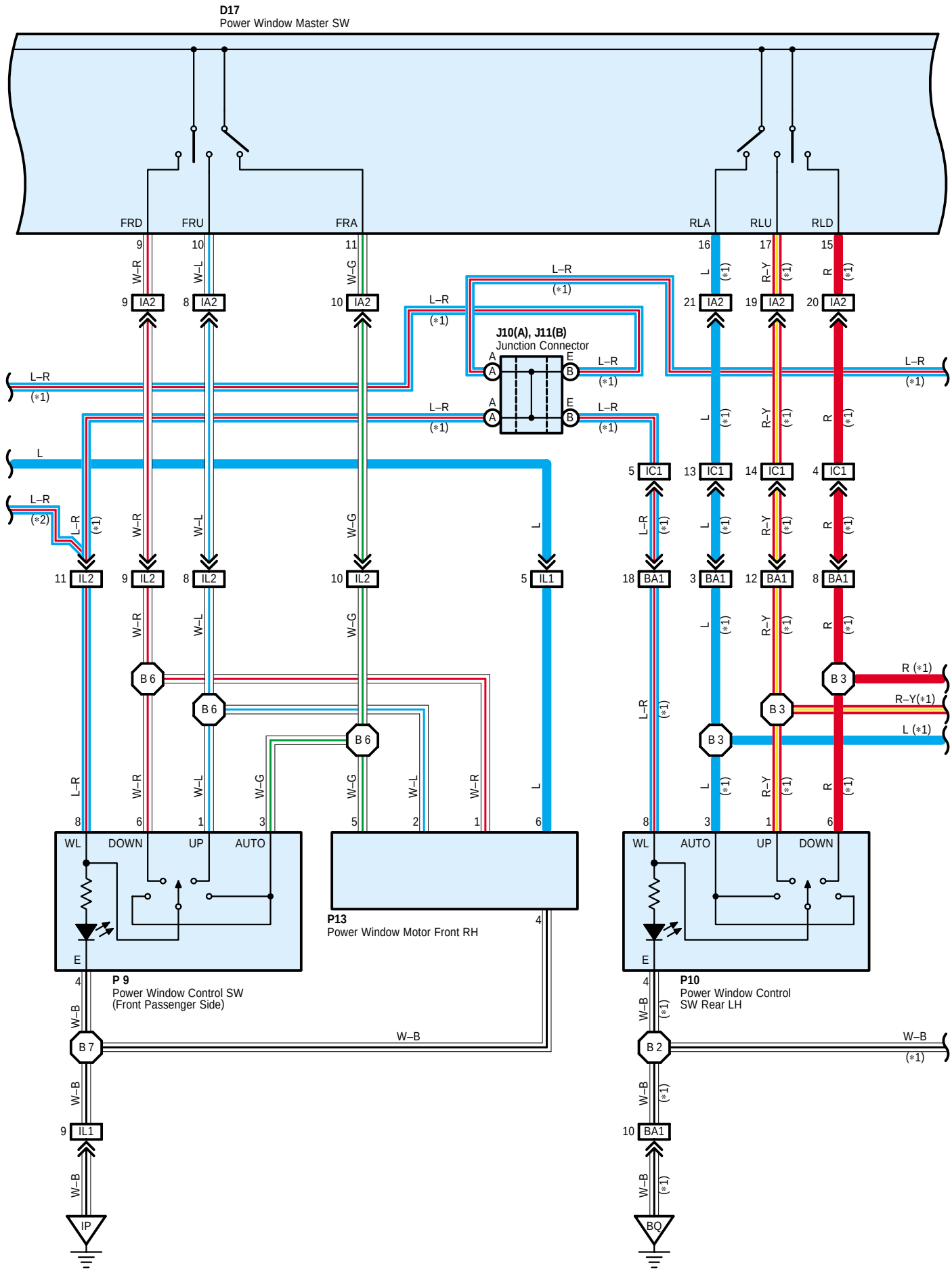
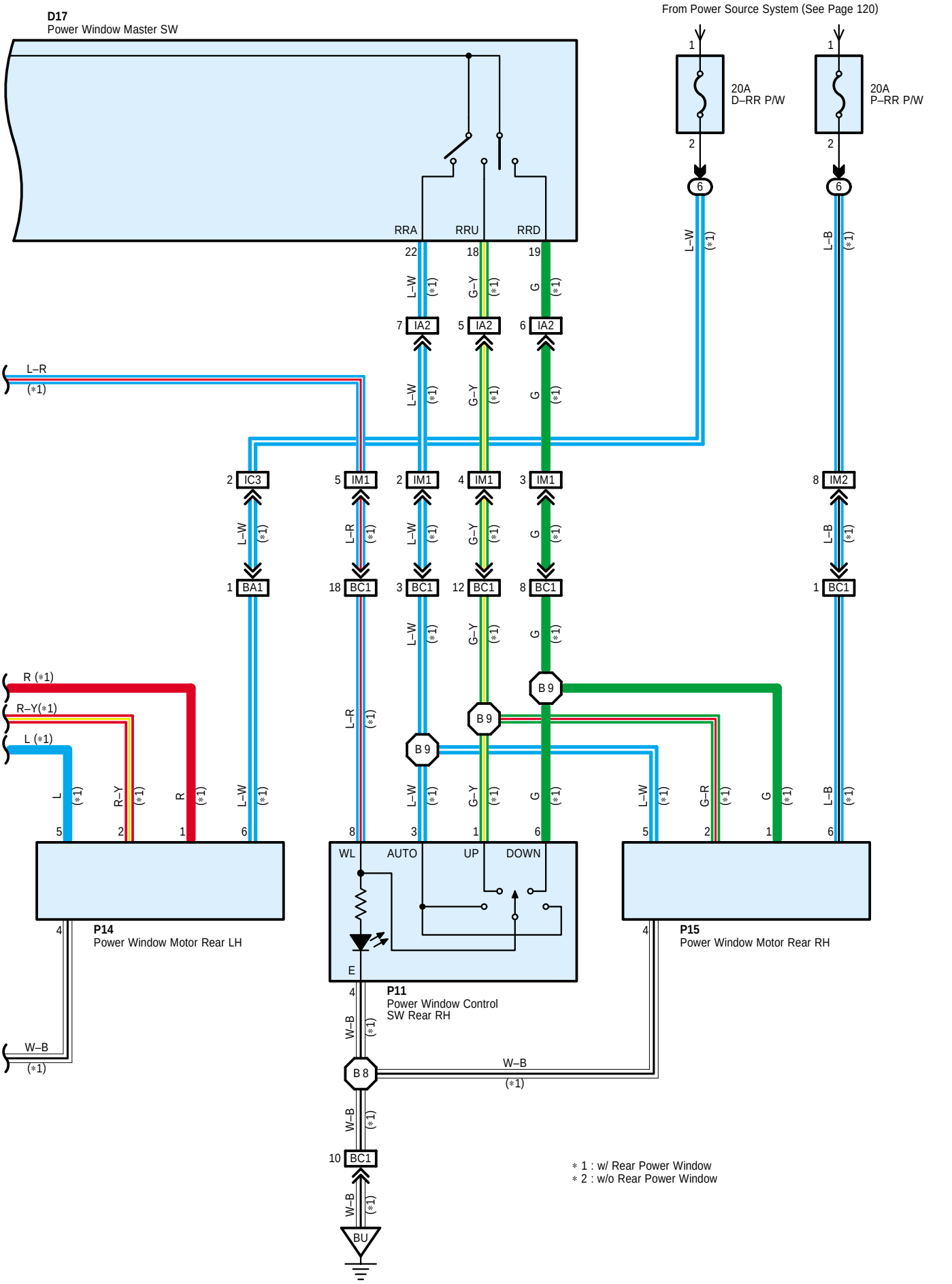
Power Window (LHD)



http://vnx.su


D17
Power Window Master SW
From Power Source System (See Page 120)
20A
D–RR P/W
20A
P–RR P/W
RRA
RRU
RRD
L–W
G–Y
G
L–B
L–R
R (*1)
R–Y(*1)
L (*1)
W–B
(*1)
WL
AUTO
UP
DOWN
P14
Power Window Motor Rear LH
P11
Power Window Control
SW Rear RH
P15
Power Window Motor Rear RH
IA2
IC3
IM1
IM2
BA1
BC1
B 9
B 8
BU
* 1 : w/ Rear Power Window
* 2 : w/o Rear Power Window

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Power Window (LHD)

System Outline

1. Manual Down or Up Operation

When the power window master SW is pushed one step, the motor rotates to open the window.
When the power window master SW is pulled up one step, the motor rotates in the opposite direction, to close the window.
All the other windows can be opened/closed as well, by the operation of the power window master SW or respective power window SW.
When the window lock SW is pushed to the lock side, the ground circuit to the passenger's window becomes open. As a result, even if Open/Close operation of the passenger's window is attempted, the current from TERMINAL E of the power window master SW is not grounded and the motor does not rotate, so the passenger's window can not be operated and window lock occurs.

2. Auto Down or Up Operation

When the power window master SW or respective power window SW is pushed two steps, the motor rotates to open the window automatically.
When the power window master SW or respective power window SW is pulled up two steps, the motor rotates to close the window automatically.

3. Jam Protection Function

When any foreign object gets caught during power window AUTO UP operation, the motor rotates in the opposite direction to open the window.

4. Key Off Power Window Operation

Within approximately 43 sec. after the ignition SW is turned from on to off, the power window can be operated. However, if the driver or front passenger door is opened during this period of time, the power window operation is stopped even through 43 sec. have not elapsed.

Service Hints

D17 Power Window Master SW

7–Ground : Always continuity
3–Ground : Approx. 12 volts with the ignition SW at ON position

Integration Relay

1–Ground : Always approx. 12 volts
22–Ground : Approx. 12 volts with the ignition SW at ON position
25–Ground : Always continuity

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
D9	50 (LHD S/D)	J11 A	48 (LHD)	P12	53 (LHD L/B)
	52 (LHD L/B)	J16	48 (LHD)		55 (LHD W/G)
	54 (LHD W/G)	P9	51 (LHD S/D)	P13	51 (LHD S/D)
D10	50 (LHD S/D)		53 (LHD L/B)		53 (LHD L/B)
	52 (LHD L/B)		55 (LHD W/G)		55 (LHD W/G)
	54 (LHD W/G)	P10	51 (LHD S/D)	P14	51 (LHD S/D)
D17	50 (LHD S/D)		53 (LHD L/B)		53 (LHD L/B)
	52 (LHD L/B)		55 (LHD W/G)		55 (LHD W/G)
	54 (LHD W/G)	P11	51 (LHD S/D)	P15	51 (LHD S/D)
J8 A	48 (LHD)		53 (LHD L/B)		53 (LHD L/B)
J9 B	48 (LHD)		55 (LHD W/G)		55 (LHD W/G)
J10 A	48 (LHD)	P12	51 (LHD S/D)	U1	49 (LHD)

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CC	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2		
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	90 (LHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BC1	90 (LHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
BQ	90 (LHD S/D)	Under the Left Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
BU	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	90 (LHD S/D)	Front Door LH Wire	B6	94 (LHD W/G)	Front Door RH Wire
	92 (LHD L/B)		B7	90 (LHD S/D)	
	94 (LHD W/G)			92 (LHD L/B)	
B2	90 (LHD S/D)	Rear Door No.2 Wire		94 (LHD W/G)	
	92 (LHD L/B)		B8	90 (LHD S/D)	Rear Door No.1 Wire
	94 (LHD W/G)			92 (LHD L/B)	
B3	90 (LHD S/D)			94 (LHD W/G)	
	92 (LHD L/B)		B9	90 (LHD S/D)	
	94 (LHD W/G)			92 (LHD L/B)	
B6	90 (LHD S/D)	Front Door RH Wire		94 (LHD W/G)	
	92 (LHD L/B)				

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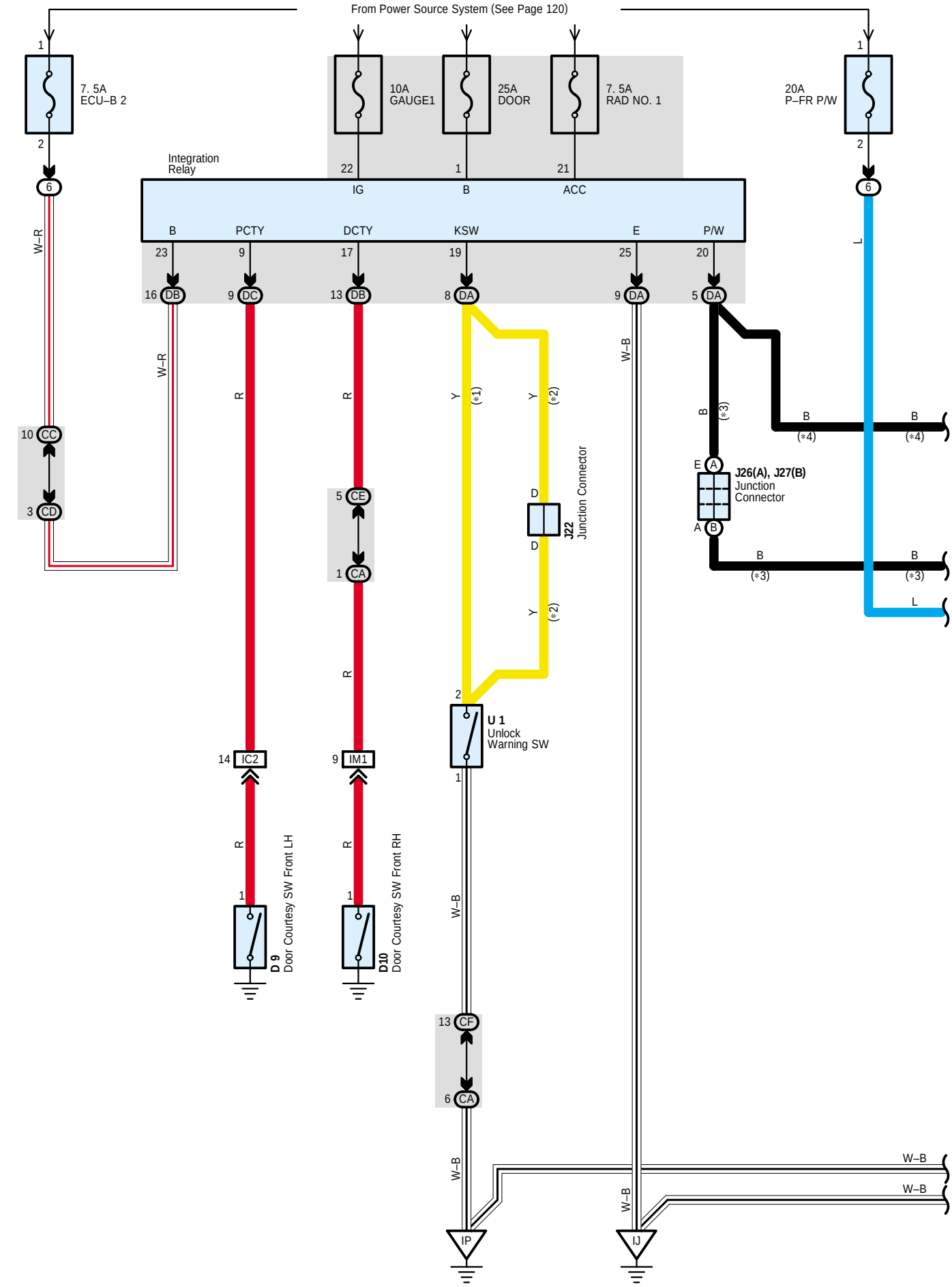
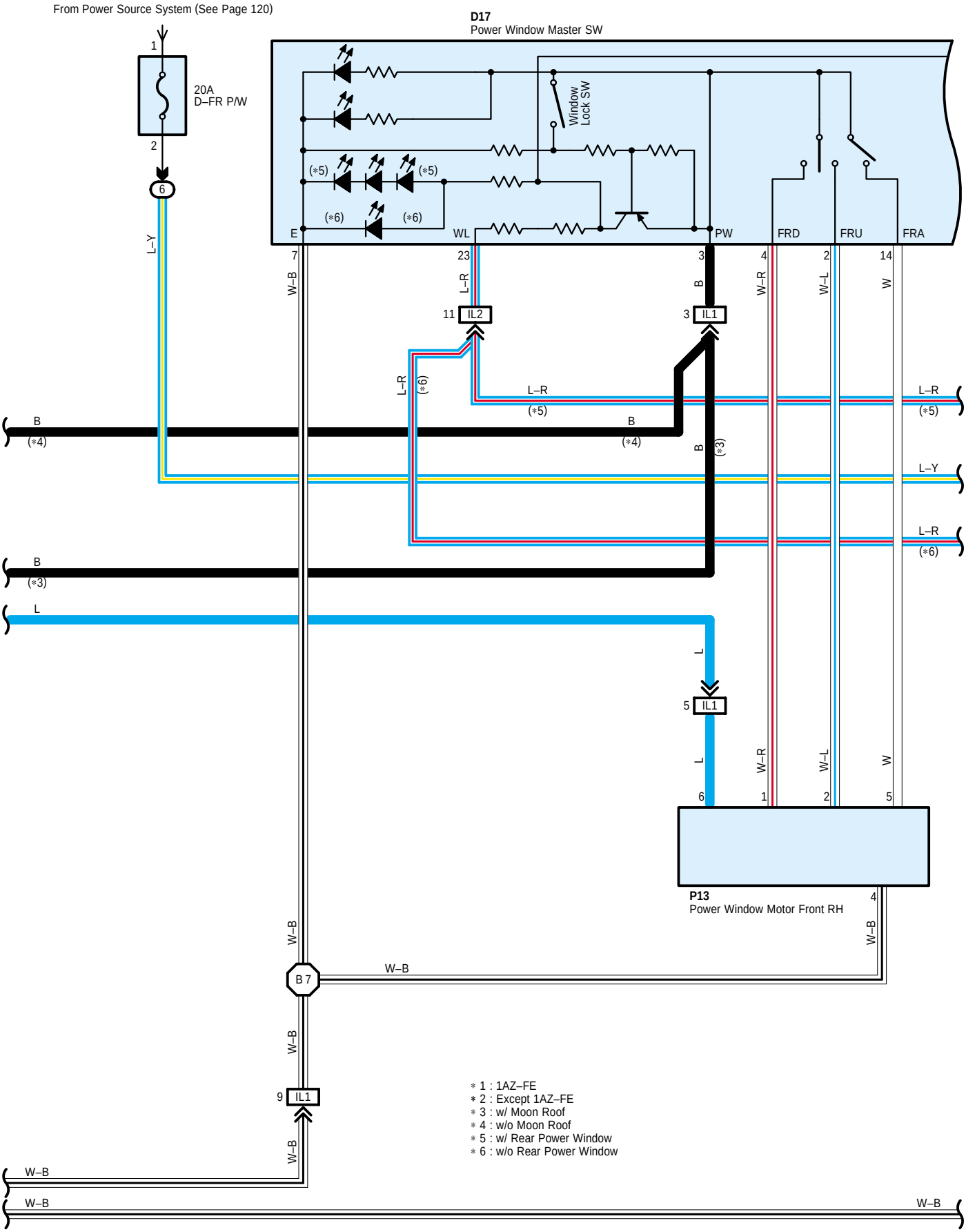
Power Window (RHD)



http://vnx.su


From Power Source System (See Page 120)
D17
Power Window Master SW
20A
D–FR P/W
Window
Lock SW
(*5)
(*6)
E
WL
PW
FRD
FRU
FRA
L–Y
W–B
L–R
B
W–R
W–L
W
IL2
IL1
(*4)
(*3)
L
P13
Power Window Motor Front RH
B 7
9
* 1 : 1AZ–FE
* 2 : Except 1AZ–FE
* 3 : w/ Moon Roof
* 4 : w/o Moon Roof
* 5 : w/ Rear Power Window
* 6 : w/o Rear Power Window

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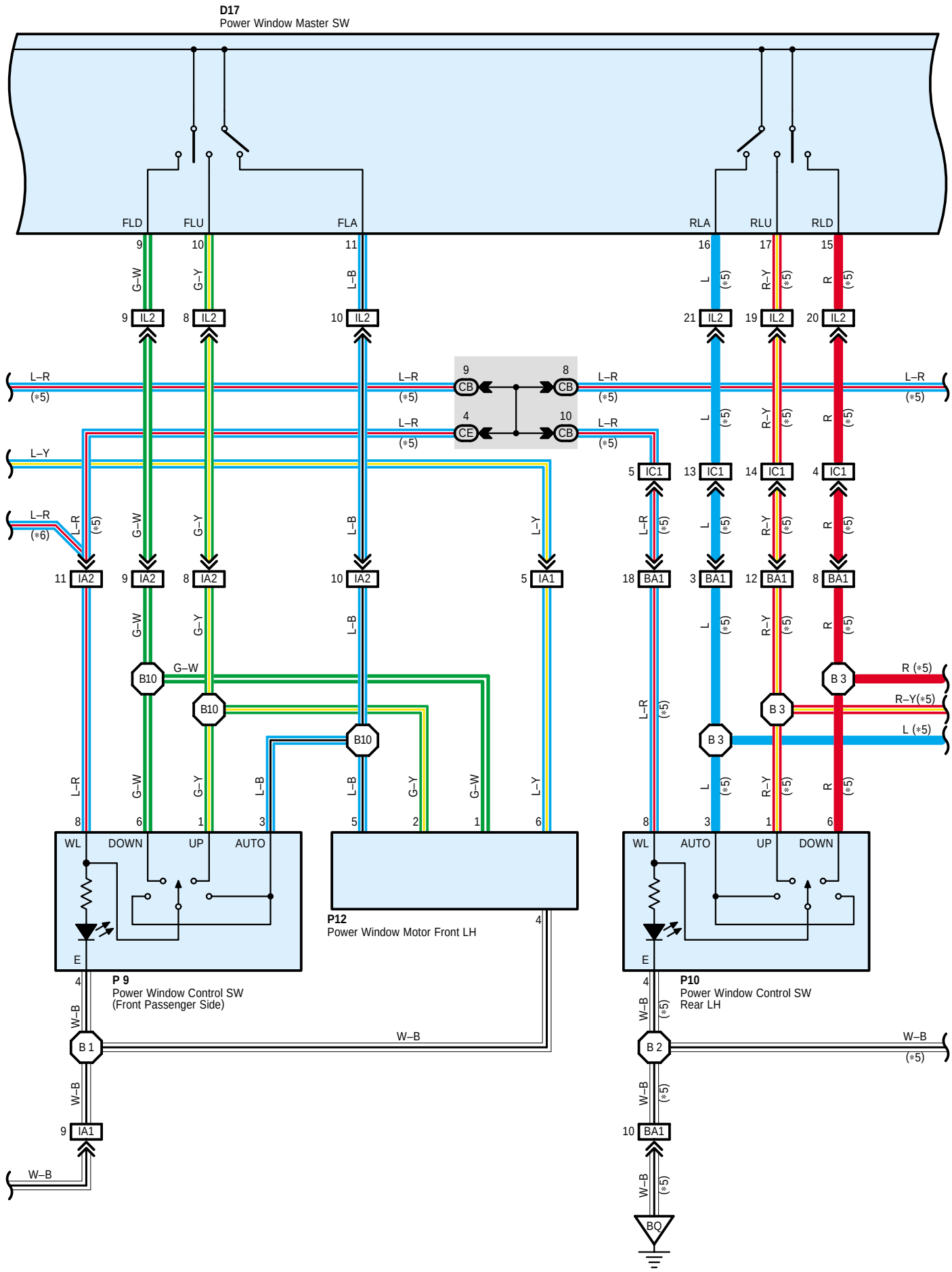
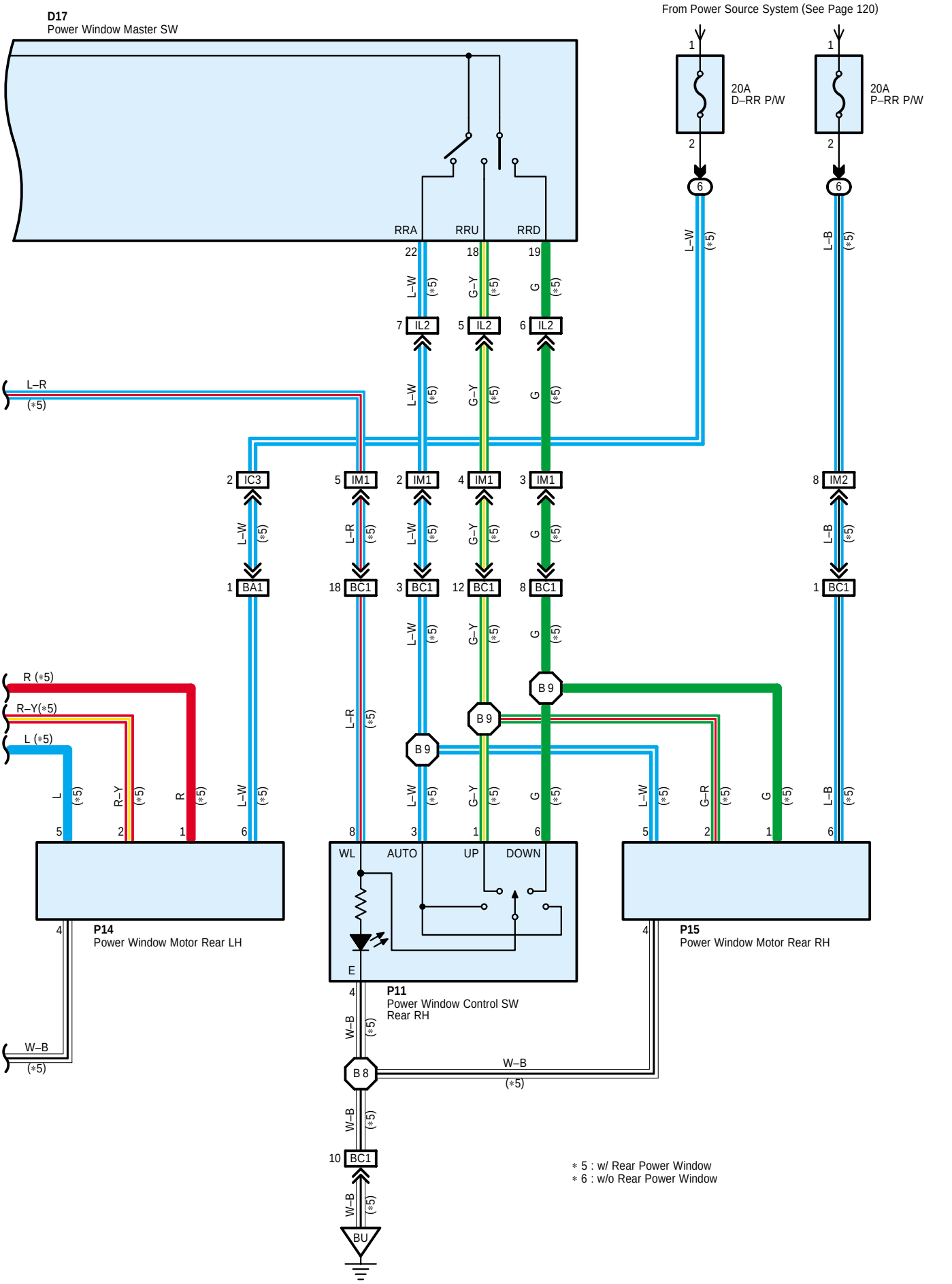
Power Window (RHD)



http://vnx.su


D17
Power Window Master SW
From Power Source System (See Page 120)
20A
D–RR P/W
20A
P–RR P/W
RRA
RRU
RRD
L–W
G–Y
G
L–B
L–R
R (*5)
R–Y(*5)
L (*5)
W–B
WL
AUTO
UP
DOWN
E
P14
Power Window Motor Rear LH
P15
Power Window Motor Rear RH
P11
Power Window Control SW
Rear RH
IL2
IC3
IM1
IM2
BA1
BC1
B 9
B 8
BU
* 5 : w/ Rear Power Window
* 6 : w/o Rear Power Window

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Power Window (RHD)

System Outline

1. Manual Down or Up Operation

When the power window master SW is pushed one step, the motor rotates to open the window.
When the power window master SW is pulled up one step, the motor rotates in the opposite direction, to close the window.
All the other windows can be opened/closed as well, by the operation of the power window master SW or respective power window SW.
When the window lock SW is pushed to the lock side, the ground circuit to the passenger's window becomes open. As a result, even if Open/Close operation of the passenger's window is attempted, the current from TERMINAL E of the power window master SW is not grounded and the motor does not rotate, so the passenger's window can not be operated and window lock occurs.

2. Auto Down or Up Operation

When the power window master SW or respective power window SW is pushed two steps, the motor rotates to open the window automatically.
When the power window master SW or respective power window SW is pulled up two steps, the motor rotates to close the window automatically.

3. Jam Protection Function

When any foreign object gets caught during power window AUTO UP operation, the motor rotates in the opposite direction to open the window.

4. Key Off Power Window Operation

Within approximately 43 sec. after the ignition SW is turned from on to off, the power window can be operated. However, if the driver or front passenger door is opened during this period of time, the power window operation is stopped even through 43 sec. have not elapsed.

Service Hints

D17 Power Window Master SW

7–Ground : Always continuity
3–Ground : Approx. 12 volts with the ignition SW at ON position

Integration Relay

1–Ground : Always approx. 12 volts
22–Ground : Approx. 12 volts with the ignition SW at ON position
25–Ground : Always continuity

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
D9	70 (RHD S/D)	P9	71 (RHD S/D)	P13	71 (RHD S/D)
	72 (RHD L/B)		73 (RHD L/B)		73 (RHD L/B)
	74 (RHD W/G)		75 (RHD W/G)		75 (RHD W/G)
D10	70 (RHD S/D)	P10	71 (RHD S/D)	P14	71 (RHD S/D)
	72 (RHD L/B)		73 (RHD L/B)		73 (RHD L/B)
	74 (RHD W/G)		75 (RHD W/G)		75 (RHD W/G)
D17	70 (RHD S/D)	P11	71 (RHD S/D)	P15	71 (RHD S/D)
	72 (RHD L/B)		73 (RHD L/B)		73 (RHD L/B)
	74 (RHD W/G)		75 (RHD W/G)		75 (RHD W/G)
J22	68 (RHD)	P12	71 (RHD S/D)	U1	69 (RHD)
J26 A	68 (RHD)		73 (RHD L/B)		
J27 B	68 (RHD)		75 (RHD W/G)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	106 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
IL1	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2		
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	110 (RHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	110 (RHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
IJ	106 (RHD)	Left Kick Panel
IP	106 (RHD)	Right Kick Panel
BQ	110 (RHD S/D)	Under the Left Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BU	110 (RHD S/D)	Under the Right Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	110 (RHD S/D)	Front Door LH Wire	B7	114 (RHD W/G)	Front Door RH Wire
	112 (RHD L/B)		B8	110 (RHD S/D)	Rear Door No.1 Wire
	114 (RHD W/G)			112 (RHD L/B)	
B2	110 (RHD S/D)	Rear Door No.2 Wire		114 (RHD W/G)	
	112 (RHD L/B)		B9	110 (RHD S/D)	
	114 (RHD W/G)			112 (RHD L/B)	
B3	110 (RHD S/D)			114 (RHD W/G)	
	112 (RHD L/B)		B10	110 (RHD S/D)	Front Door LH Wire
	114 (RHD W/G)			112 (RHD L/B)	
B7	110 (RHD S/D)	Front Door RH Wire		114 (RHD W/G)	
	112 (RHD L/B)				

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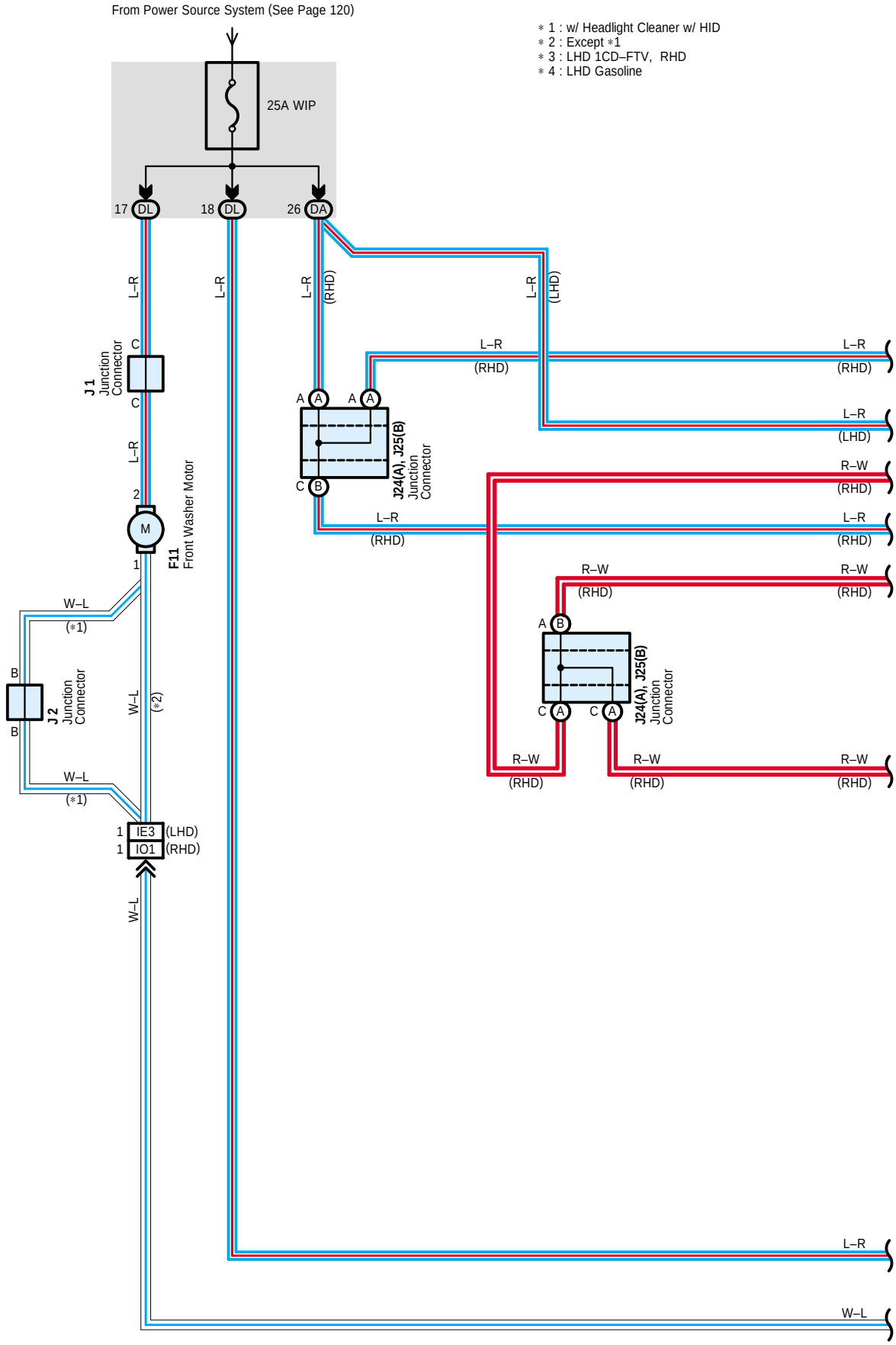
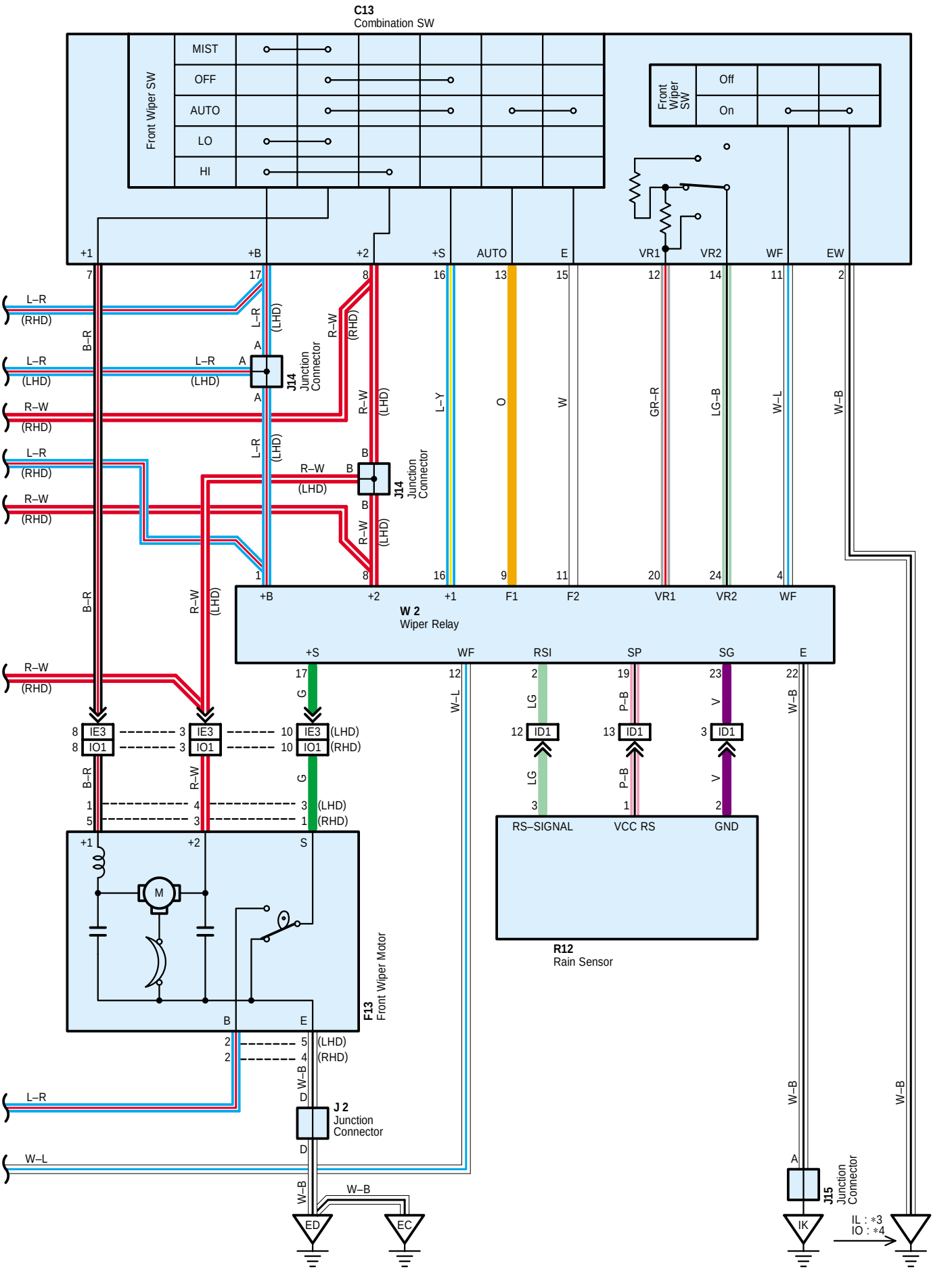
Front Wiper and Washer (w/ Auto Wiper System)



http://vnx.su


C13
Combination SW
Front Wiper SW
MIST
OFF
AUTO
LO
HI
Front Wiper SW
Off
On
+1
+B
+2
+S
AUTO
E
VR1
VR2
WF
EW
W 2
Wiper Relay
+S
WF
RSI
SP
SG
E
R12
Rain Sensor
RS–SIGNAL
VCC RS
GND
F13
Front Wiper Motor
J14
Junction Connector
J2
Junction Connector
J15
Junction Connector
IE3
IO1
ID1
ED
EC
IK
IL : *3
IO : *4
L–R
R–W
W–L
W–B
B–R
L–Y
O
W
GR–R
LG–B
LG
P–B
V
G
(LHD)
(RHD)

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Front Wiper and Washer (w/ Auto Wiper System)

System Outline

By turning the ignition SW to on, the wiper is controlled according to the position of the front wiper and washer SW.

Auto Wiper Operation

When the front wiper and washer SW is set to AUTO, the wiper relay is deactivated, operates at low speed, or operates at high speed based on the input signal from the rain sensor.
When the wiper signal is off and the washer SW is set to on, the wiper relay operates at low speed, irrespective of the signal output from the rain sensor.

Service Hints

C13 Combination SW

2–Ground : Always continuity
17–Ground : Approx. 12 volts with the ignition SW at ON position
7–Ground : Approx. 12 volts with the ignition SW on and the wiper and washer SW at LO position
16–Ground : Approx. 12 volts with the ignition SW on and unless the front wiper motor at STOP position
8–Ground : Approx. 12 volts with the ignition SW on and the front wiper and washer SW at HI position

F13 Front Wiper Motor

B–S : Closed unless the front wiper motor at STOP position

○ : Parts Location

Code	See Page	Code	See Page	Code		See Page
C13	46 (LHD)	F13	64 (*10)	J14		48 (LHD)
	66 (RHD)	J1	39 (*3)	J15		48 (LHD)
F11	38 (*3)		41 (*4)			68 (RHD)
	40 (*4)		43 (*5)	J24	A	68 (RHD)
	42 (*5)		45 (*6)	J25	B	68 (RHD)
	44 (*6)		59 (*7)	R12		51 (LHD S/D)
	58 (*7)		63 (*9)			53 (LHD L/B)
	62 (*9)		65 (*10)			55 (LHD W/G)
	64 (*10)	J2	39 (*3)			71 (RHD S/D)
F13	38 (*3)		41 (*4)			73 (RHD L/B)
	40 (*4)		43 (*5)			75 (RHD W/G)
	42 (*5)		45 (*6)	W2		49 (LHD)
	44 (*6)		59 (*7)			69 (RHD)
	58 (*7)		63 (*9)			
	62 (*9)		65 (*10)			

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
	106 (RHD)	
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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▽ : **Ground Points**

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	102 (*9)	
	104 (*10)	
ED	78 (*3)	Left Side of the Suspension Tower
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	102 (*9)	
	104 (*10)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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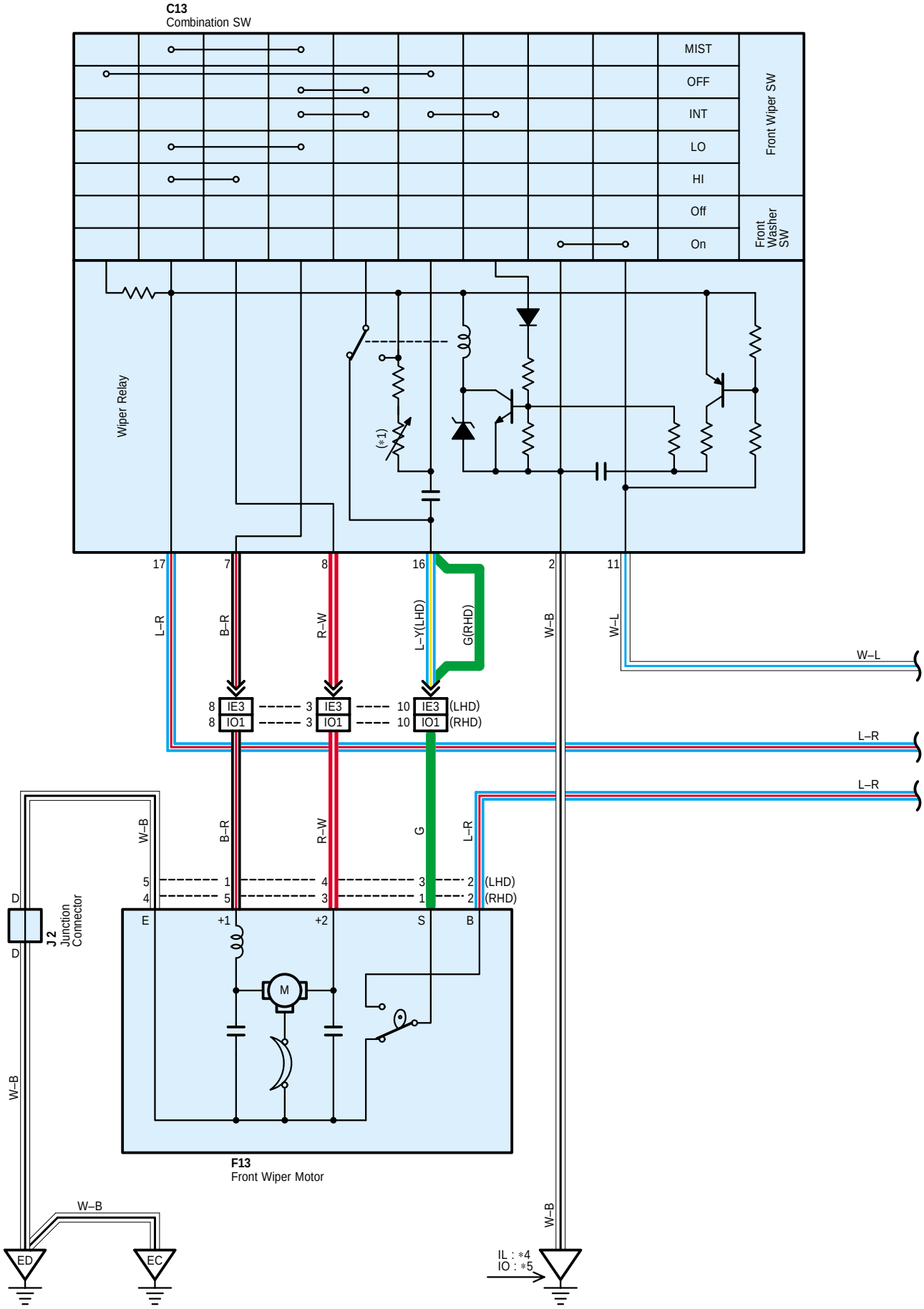
Front Wiper and Washer (w/o Auto Wiper System)



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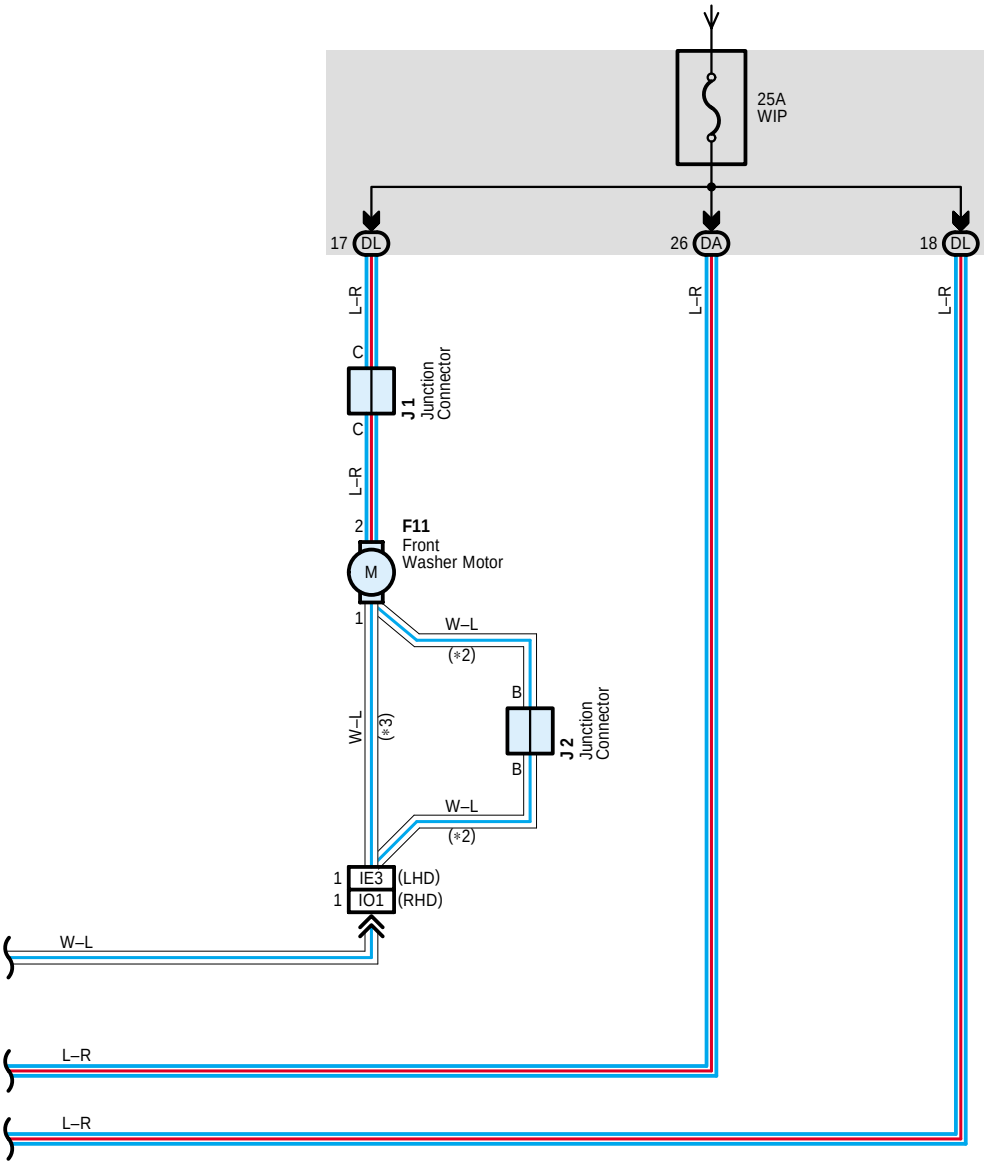
From Power Source System (See Page 120)



* 1 : Intermittent Volume SW
* 2 : w/ Headlight Cleaner w/ HID
* 3 : Except *2
* 4 : LHD 1CD–FTV, RHD
* 5 : LHD Except 1CD–FTV

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Front Wiper and Washer (w/o Auto Wiper System)

System Outline

With the ignition SW turned on, the current flows to TERMINAL 17 of the front wiper and washer SW, TERMINAL B of the front wiper motor and TERMINAL 2 of the front washer motor through the WIP fuse.

1. Low Speed Position

With the wiper SW turned to LO position, the current flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL +1 of the front wiper motor to TERMINAL E to GROUND and causes to the wiper motor to run at low speed.

2. High Speed Position

With the wiper SW turned to HI position, the current flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 8 to TERMINAL +2 of the front wiper motor to TERMINAL E to GROUND and causes to the wiper motor to run at high speed.

3. INT Position

With the wiper SW turned to INT position, the relay operates and the current which is connected by relay function flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 2 to GROUND. This flow of current operates the intermittent circuit and the current flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL +1 of the front wiper motor to TERMINAL E to GROUND and the functions.

The intermittent operation is controlled by the charge/discharge function of the condenser installed in the relay, and the intermittent time is controlled by a time control SW to change the charging time of the condenser.

4. Mist Position

With the wiper SW turned to MIST position, the current flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL +1 of the front wiper motor to TERMINAL E to GROUND and causes to the front wiper motor to run at low speed.

5. Washer Continuous Operation

With the washer SW pulled to on, the current flows from the WIP fuse to TERMINAL 2 of the front washer motor to TERMINAL 1 to TERMINAL 11 of the front wiper and washer SW to TERMINAL 2 to GROUND and causes to the washer motor to run, and the window washer jet operates. This causes the current to flow to washer continuous operation circuit in TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL +1 of the front wiper motor to TERMINAL E to GROUND and the washer operates continuously.

Service Hints

C13 Combination SW

2–Ground : Always continuity
17–Ground : Approx. 12 volts with ignition SW at ON position
7–Ground : Approx. 12 volts with front wiper and washer SW at LO position
: Approx. 12 volts with front wiper and washer SW at MIST position
16–Ground : Approx. 12 volts with ignition SW on unless front wiper motor at STOP position
8–Ground : Approx. 12 volts with ignition SW on and front wiper and washer SW at HI position

F13 Front Wiper Motor

B–S : Closed unless front wiper motor at STOP position

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
C13	46 (LHD)	F13	42 (*5)	J1	63 (*9)
	66 (RHD)		44 (*6)		65 (*10)
F11	40 (*4)		60 (*8)	J2	41 (*4)
	42 (*5)		62 (*9)		43 (*5)
	44 (*6)		64 (*10)		45 (*6)
	60 (*8)	J1	41 (*4)		61 (*8)
	62 (*9)		43 (*5)		63 (*9)
	64 (*10)		45 (*6)		65 (*10)
F13	40 (*4)		61 (*8)		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EC	80 (*4)	Engine Compartment Left
	82 (*5)	
	84 (*6)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
ED	80 (*4)	Left Side of the Suspension Tower
	82 (*5)	
	84 (*6)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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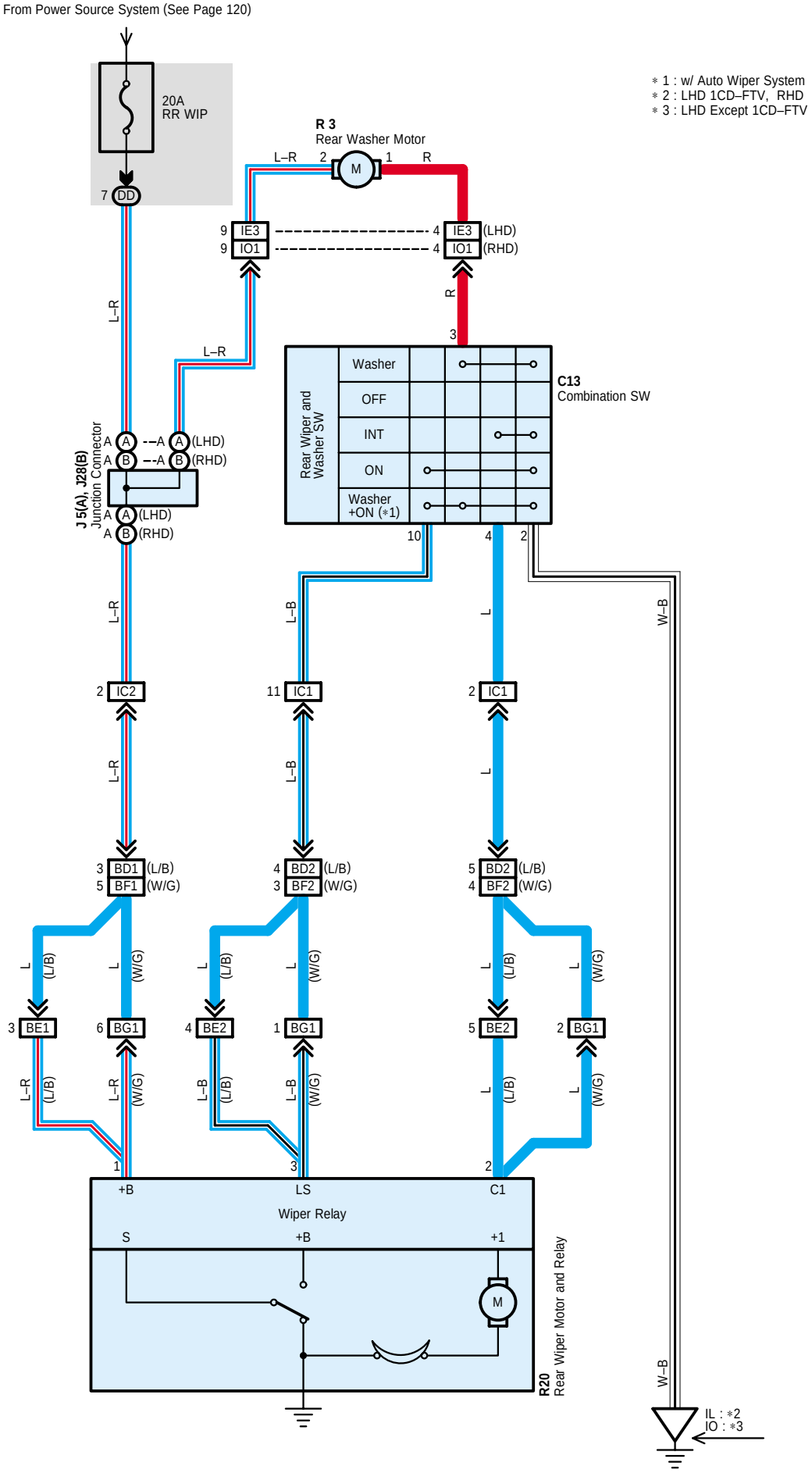
From Power Source System (See Page 120)
20A
RR WIP
7 DD
R 3
Rear Washer Motor
L–R 2 M 1 R
9 IE3 ---------- 4 IE3 (LHD)
9 IO1 ---------- 4 IO1 (RHD)
∗ 1 : w/ Auto Wiper System
∗ 2 : LHD 1CD–FTV, RHD
∗ 3 : LHD Except 1CD–FTV
L–R
R
3
L–R
Rear Wiper and Washer SW
Washer
OFF
INT
ON
Washer +ON (∗1)
C13
Combination SW
10
4
2
J 5(A), J28(B)
Junction Connector
A A --A A (LHD)
B B --A B (RHD)
A (LHD)
B (RHD)
L–R
L–B
L
W–B
2 IC2
11 IC1
2 IC1
L–R
L–B
L
3 BD1 (L/B)
5 BF1 (W/G)
4 BD2 (L/B)
3 BF2 (W/G)
5 BD2 (L/B)
4 BF2 (W/G)
L (L/B)
L (W/G)
3 BE1
6 BG1
4 BE2
1 BG1
5 BE2
2 BG1
L–R (L/B)
L–R (W/G)
L–B (L/B)
L–B (W/G)
L (L/B)
L (W/G)
1
3
2
+B
LS
C1
Wiper Relay
S
+B
+1
M
R20
Rear Wiper Motor and Relay
W–B
IL : ∗2
IO : ∗3

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System Outline

When the ignition SW is turned on, the current flows to TERMINAL 2 of the rear washer motor and TERMINAL 1 of the rear wiper motor and relay through the RR WIP fuse.

1. Rear Wiper Normal Operation

With the ignition SW turned on and rear wiper and washer SW turned on, current to TERMINAL 1 of the rear wiper motor and relay flows to TERMINAL 3 of the rear wiper motor and relay to TERMINAL 10 of the rear wiper and washer SW to TERMINAL 2 to GROUND. Thus, the relay coil is activated and current to the rear wiper motor to motor to GROUND, causing the motor to operate the wiper.

2. Rear Wiper Intermittent Operation

When the ignition SW is turned on and the rear wiper and washer SW is turned to INT position, current to TERMINAL 1 of the rear wiper motor and relay flows to TERMINAL 2 of the rear wiper motor and relay to TERMINAL 4 of the rear wiper and washer SW to TERMINAL 2 to GROUND.

This causes the motor to operate (The point changes) and the intermittent circuit of the relay operates. Intermittent operation of the circuit is controlled by the charging and discharging of the condenser installed inside the relay.

3. Washer Operation

With the ignition SW turned on and the rear wiper and washer SW turned to ON position, when the wiper SW is turned further, current to TERMINAL 2 of the rear washer motor flows to TERMINAL 1 to TERMINAL 3 of the rear wiper and washer SW to TERMINAL 2 to GROUND so that the rear washer motor rotates and the window washer emits a water, only while the SW is fully turned.

When the wiper SW is off and then turned washer on (Wiper off side), the wiper SW is on and then turned to washer on (Wiper on side), only the washer operates.

Service Hints

R20 Rear Wiper Motor and Relay

1–Ground : Approx. 12 volts with the ignition SW at ON position
2–Ground : Continuity with the rear wiper and washer SW at INT position
3–Ground : Continuity with the rear wiper and washer SW at ON position

○ : Parts Location

Code		See Page	Code	See Page	Code	See Page
C13		46 (LHD)	R3	41 (*4)	R3	65 (*10)
		66 (RHD)		43 (*5)	R20	53 (LHD L/B)
J5	A	48 (LHD)		45 (*6)		55 (LHD W/G)
J28	B	68 (RHD)		59 (*7)		73 (RHD L/B)
R3		39 (*3)		63 (*9)		75 (RHD W/G)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DD	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
BD1	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	112 (RHD L/B)	
BD2	92 (LHD L/B)	
	112 (RHD L/B)	
BE1	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
	112 (RHD L/B)	
BE2	92 (LHD L/B)	
	112 (RHD L/B)	
BF1	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	114 (RHD W/G)	
BF2	94 (LHD W/G)	
	114 (RHD W/G)	
BG1	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	114 (RHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH

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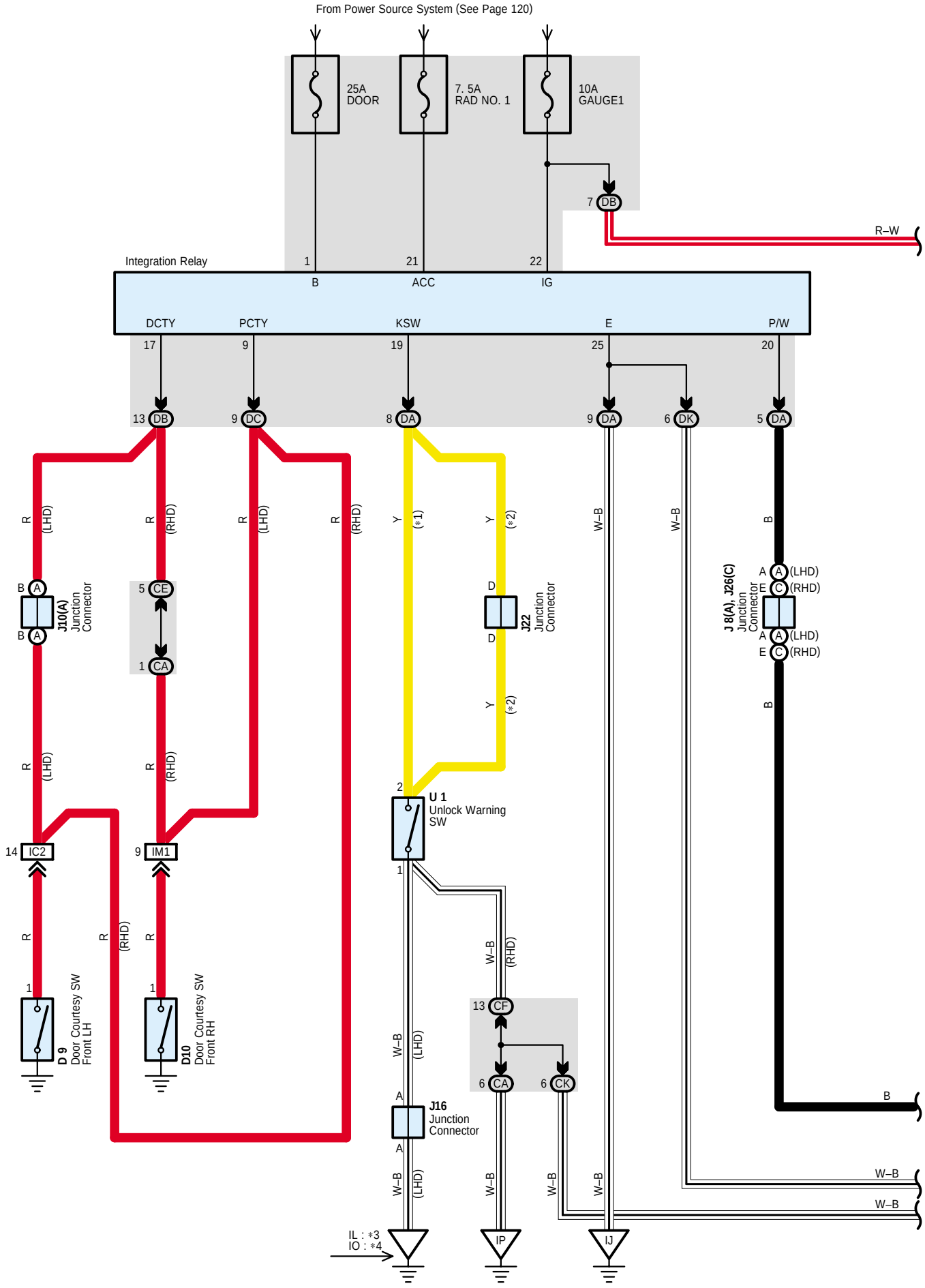
From Power Source System (See Page 120)
25A DOOR
7. 5A RAD NO. 1
10A GAUGE1
7 DB
R–W
Integration Relay
1 B
21 ACC
22 IG
DCTY 17
PCTY 9
KSW 19
E 25
P/W 20
13 DB
9 DC
8 DA
9 DA
6 DK
5 DA
R (LHD)
R (RHD)
R (LHD)
R (RHD)
Y (*1)
Y (*2)
W–B
W–B
B
B A J10(A) Junction Connector B A
5 CE
1 CA
D J22 Junction Connector D
Y (*2)
A (LHD) C (RHD) J 8(A), J26(C) Junction Connector A (LHD) C (RHD)
B
R (LHD)
R (RHD)
2 U 1 Unlock Warning SW
1
14 IC2
9 IM1
R
R (RHD)
R
1 D 9 Door Courtesy SW Front LH
1 D10 Door Courtesy SW Front RH
W–B (RHD)
13 CF
6 CA
6 CK
W–B (LHD)
A J16 Junction Connector A
W–B (LHD)
B
W–B
W–B
W–B
W–B
W–B
IL : *3
IO : *4
IP
IJ

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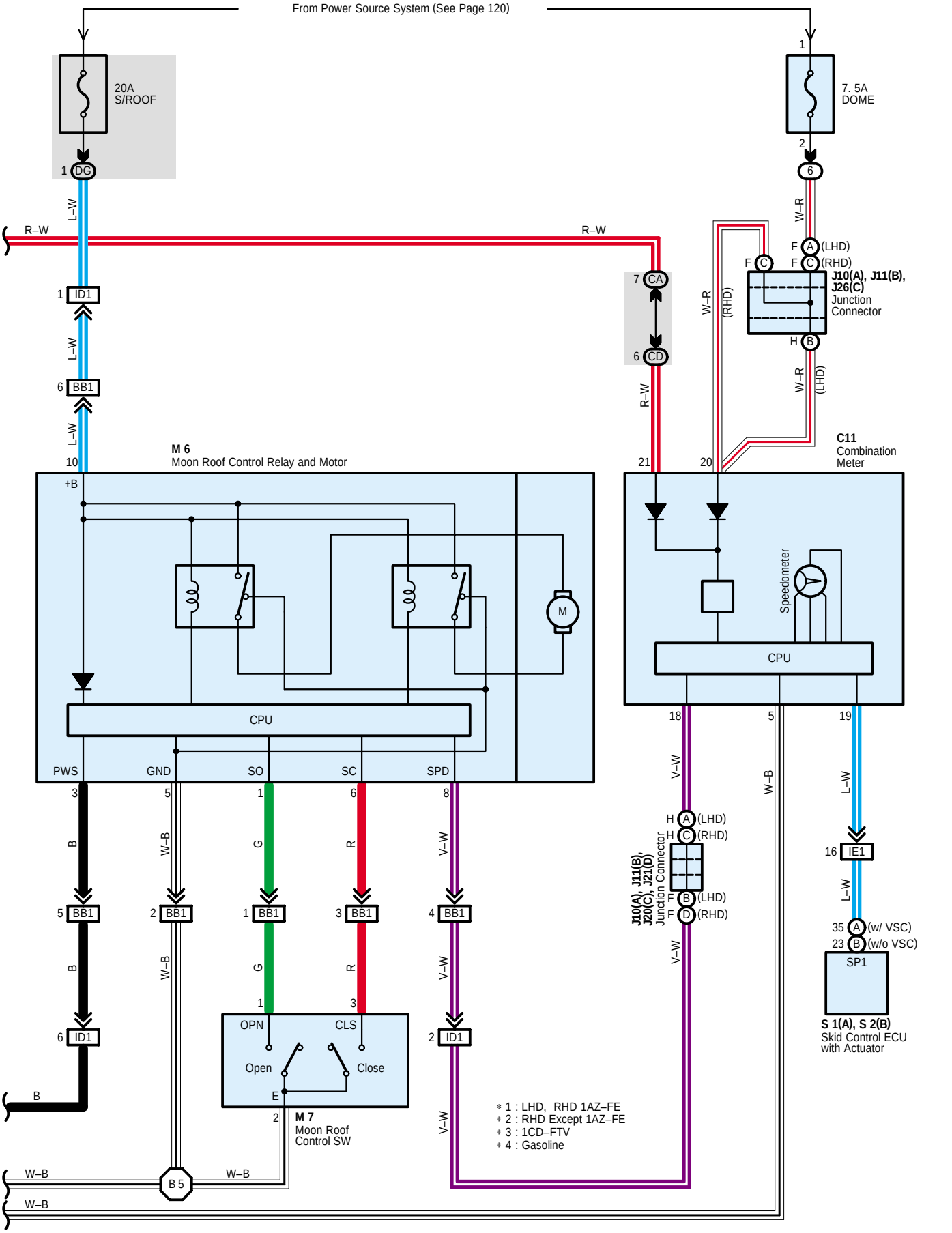
From Power Source System (See Page 120)
20A
S/ROOF
7. 5A
DOME
M 6
Moon Roof Control Relay and Motor
C11
Combination
Meter
J10(A), J11(B),
J26(C)
Junction
Connector
J10(A), J11(B),
J20(C), J21(D)
Junction Connector
Speedometer
CPU
PWS
GND
SO
SC
SPD
OPN
CLS
Open
Close
M 7
Moon Roof
Control SW
SP1
S 1(A), S 2(B)
Skid Control ECU
with Actuator
(LHD)
(RHD)
(w/ VSC)
(w/o VSC)
* 1 : LHD, RHD 1AZ–FE
* 2 : RHD Except 1AZ–FE
* 3 : 1CD–FTV
* 4 : Gasoline

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Moon Roof

System Outline

Key Off Moon Roof Operation

Within approximately 43 sec. after the ignition SW is turned from on to off, the moon roof can be operated. However, if the driver or front passenger door is opened during this period of time, the moon roof operation is stopped even through 43 sec. have not elapsed.

Service Hints

M6 Moon Roof Control Relay and Motor

10–Ground : Always approx. 12 volts
3–Ground : Approx. 12 volts with the ignition SW at ON position
5–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
C11	46 (LHD)	J10 A	48 (LHD)	M7	55 (LHD W/G)
	66 (RHD)	J11 B	48 (LHD)		71 (RHD S/D)
D9	50 (LHD S/D)	J16	48 (LHD)		73 (RHD L/B)
	52 (LHD L/B)	J20 C	68 (RHD)		75 (RHD W/G)
	54 (LHD W/G)	J21 D	68 (RHD)	S1 A	39 (*3)
	70 (RHD S/D)	J22	68 (RHD)		45 (*6)
	72 (RHD L/B)	J26 C	68 (RHD)		59 (*7)
	74 (RHD W/G)	M6	51 (LHD S/D)		65 (*10)
D10	50 (LHD S/D)		53 (LHD L/B)	S2 B	41 (*4)
	52 (LHD L/B)		55 (LHD W/G)		43 (*5)
	54 (LHD W/G)		71 (RHD S/D)		45 (*6)
	70 (RHD S/D)		73 (RHD L/B)		63 (*9)
	72 (RHD L/B)		75 (RHD W/G)		65 (*10)
	74 (RHD W/G)	M7	51 (LHD S/D)	U1	49 (LHD)
J8 A	48 (LHD)		53 (LHD L/B)		69 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CE		
CF		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DG		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	108 (RHD)	
BB1	90 (LHD S/D)	Roof Wire and Roof No.2 Wire (Near the Personal Light)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B5	90 (LHD S/D)	Roof Wire	B5	110 (RHD S/D)	Roof Wire
	92 (LHD L/B)			112 (RHD L/B)	
	94 (LHD W/G)			114 (RHD W/G)	

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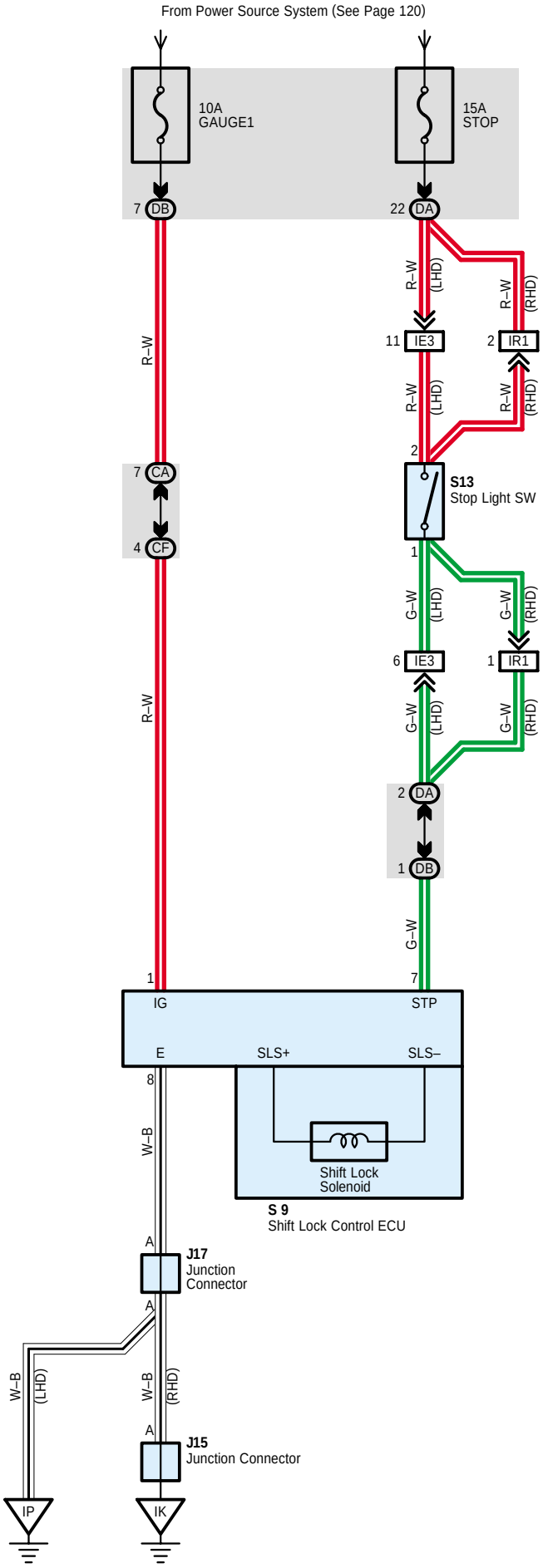
From Power Source System (See Page 120)
10A
GAUGE1
15A
STOP
7 DB
22 DA
R–W
R–W (LHD)
R–W (RHD)
11 IE3
2 IR1
R–W (LHD)
R–W (RHD)
2
7 CA
4 CF
S13
Stop Light SW
1
G–W
G–W (LHD)
G–W (RHD)
6 IE3
1 IR1
G–W (LHD)
G–W (RHD)
2 DA
1 DB
G–W
1
7
IG
STP
E
SLS+
SLS–
8
W–B
Shift Lock
Solenoid
S 9
Shift Lock Control ECU
A
J17
Junction
Connector
A
W–B
W–B (LHD)
W–B (RHD)
A
J15
Junction Connector
IP
IK

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System Outline

Shift Lock Mechanism

If the brake pedal is depressed with the ignition SW set at ON (The stop light SW is on), the shift lock control ECU is activated, allowing the driver to change the shift lever to a position other than the P position.

Service Hints

S9 Shift Lock Control ECU

1–Ground : Approx. 12 volts with the ignition SW at ON position
8–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
J15	68 (RHD)	S9	49 (LHD)	S13	69 (RHD)
J17	48 (LHD)		69 (RHD)		
	68 (RHD)	S13	49 (LHD)		

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CF		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
IK	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel

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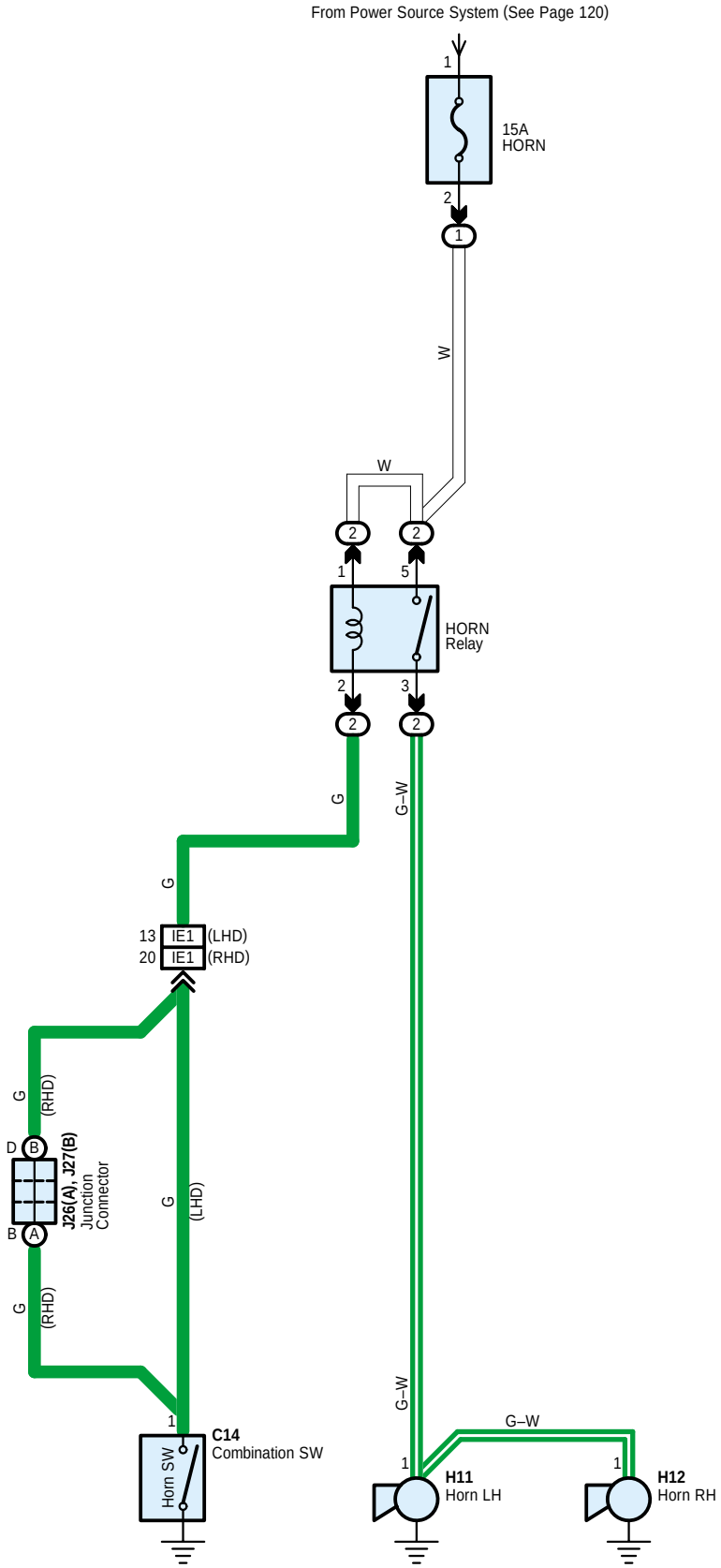
Horn



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Service Hints

HORN Relay

5–3 : Closed with the horn SW at on

: Parts Location

Code	See Page	Code	See Page	Code		See Page
C14	46 (LHD)	H11	60 (*8)	H12		58 (*7)
	66 (RHD)		62 (*9)			60 (*8)
H11	38 (*3)		64 (*10)			62 (*9)
	40 (*4)	H12	38 (*3)			64 (*10)
	42 (*5)		40 (*4)	J26	A	68 (RHD)
	44 (*6)		42 (*5)	J27	B	68 (RHD)
	58 (*7)		44 (*6)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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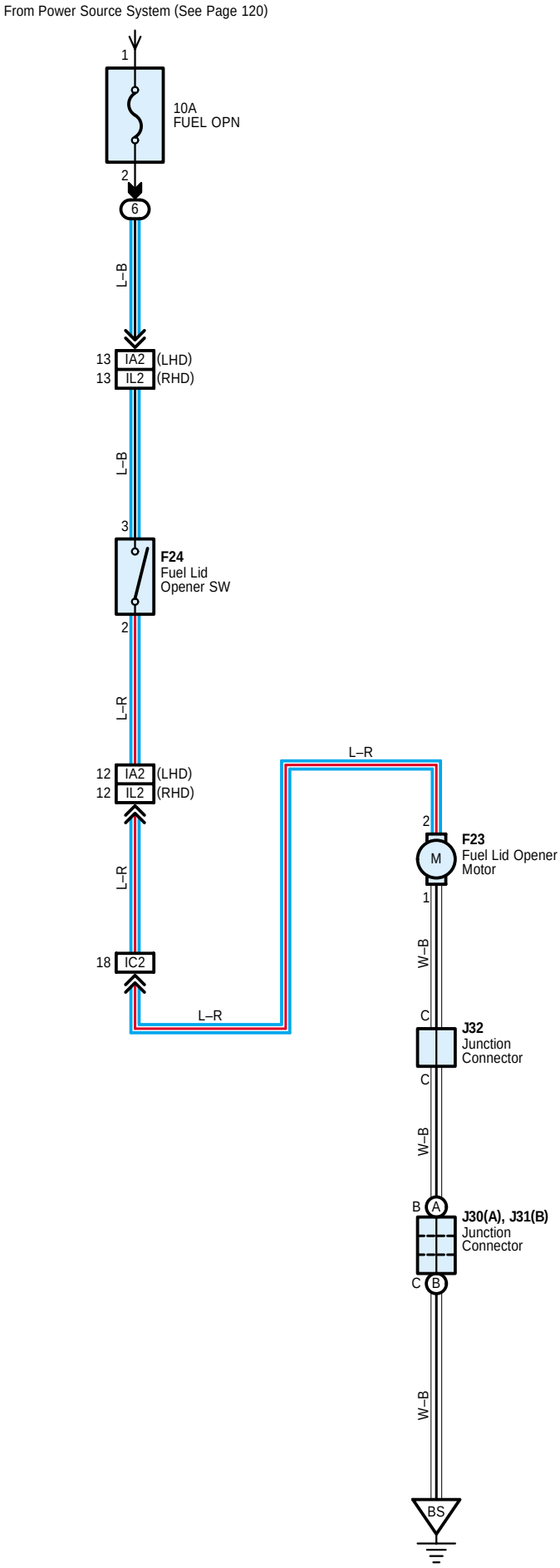
Fuel Lid Opener



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Service Hints

F24 Fuel Lid Opener SW

3–2 : Closed with fuel lid opener SW on

: Parts Location

Code	See Page	Code		See Page	Code		See Page
F23	50 (LHD S/D)	F24		72 (RHD L/B)	J31	B	55 (LHD W/G)
	52 (LHD L/B)			74 (RHD W/G)			71 (RHD S/D)
	54 (LHD W/G)	J30	A	51 (LHD S/D)			73 (RHD L/B)
	70 (RHD S/D)			53 (LHD L/B)			75 (RHD W/G)
	72 (RHD L/B)			55 (LHD W/G)	J32		51 (LHD S/D)
	74 (RHD W/G)			71 (RHD S/D)			53 (LHD L/B)
F24	50 (LHD S/D)			73 (RHD L/B)			55 (LHD W/G)
	52 (LHD L/B)			75 (RHD W/G)			71 (RHD S/D)
	54 (LHD W/G)	J31	B	51 (LHD S/D)			73 (RHD L/B)
	70 (RHD S/D)			53 (LHD L/B)			75 (RHD W/G)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IL2	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)

: Ground Points

Code	See Page	Ground Points Location
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

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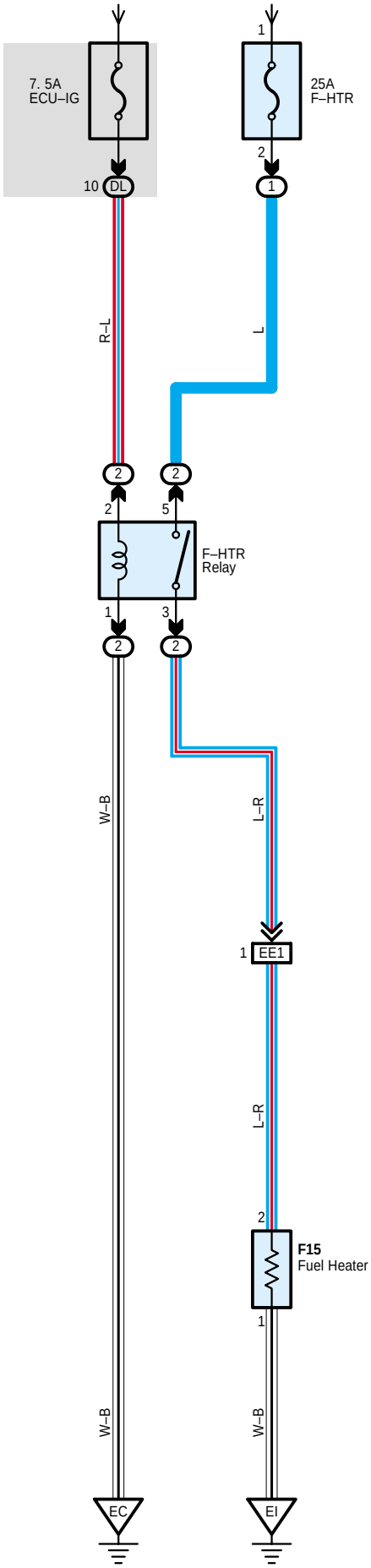
From Power Source System (See Page 120)



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Service Hints

F–HTR Relay

5–3 : Closed with the ignition SW at ON position

: Parts Location

Code	See Page	Code	See Page	Code	See Page
F15	44 (*6)	F15	64 (*10)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	25 (*2)	Engine Room R/B No.1 (Engine Compartment Left)
2	26	Engine Room R/B No.2 (Near the Radiator Fan)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EE1	84 (*6) 104 (*10)	Engine Wire and Engine Room Main Wire (Engine Compartment Left)

: Ground Points

Code	See Page	Ground Points Location
EC	84 (*6) 104 (*10)	Engine Compartment Left
EI	84 (*6) 104 (*10)	Near the Starter

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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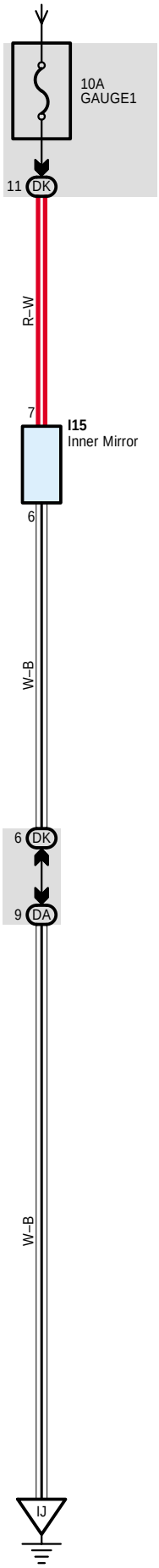
From Power Source System (See Page 120)



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Service Hints

I15 Inner Mirror

7–Ground : Approx. 12 volts with the ignition SW at ON position

6–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
I15	50 (LHD S/D)	I15	54 (LHD W/G)	I15	72 (RHD L/B)
	52 (LHD L/B)		70 (RHD S/D)		74 (RHD W/G)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	

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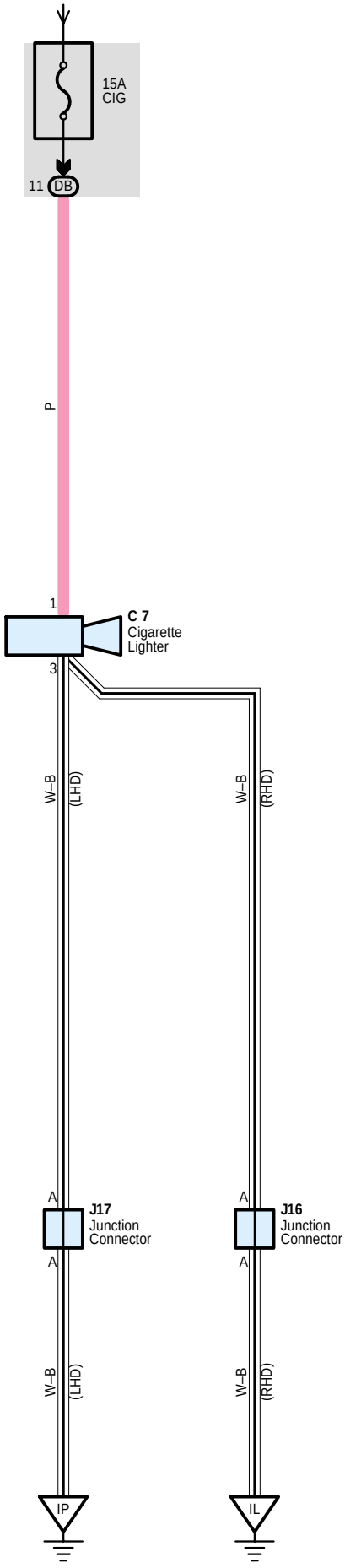
From Power Source System (See Page 120)



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Service Hints

C7 Cigarette Lighter

1–Ground : Approx. 12 volts with the ignition SW at ACC or ON position

3–Ground : Always continuity

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
C7	46 (LHD)	J16	68 (RHD)		
	66 (RHD)	J17	48 (LHD)		

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

▽ : Ground Points

Code	See Page	Ground Points Location
IL	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel

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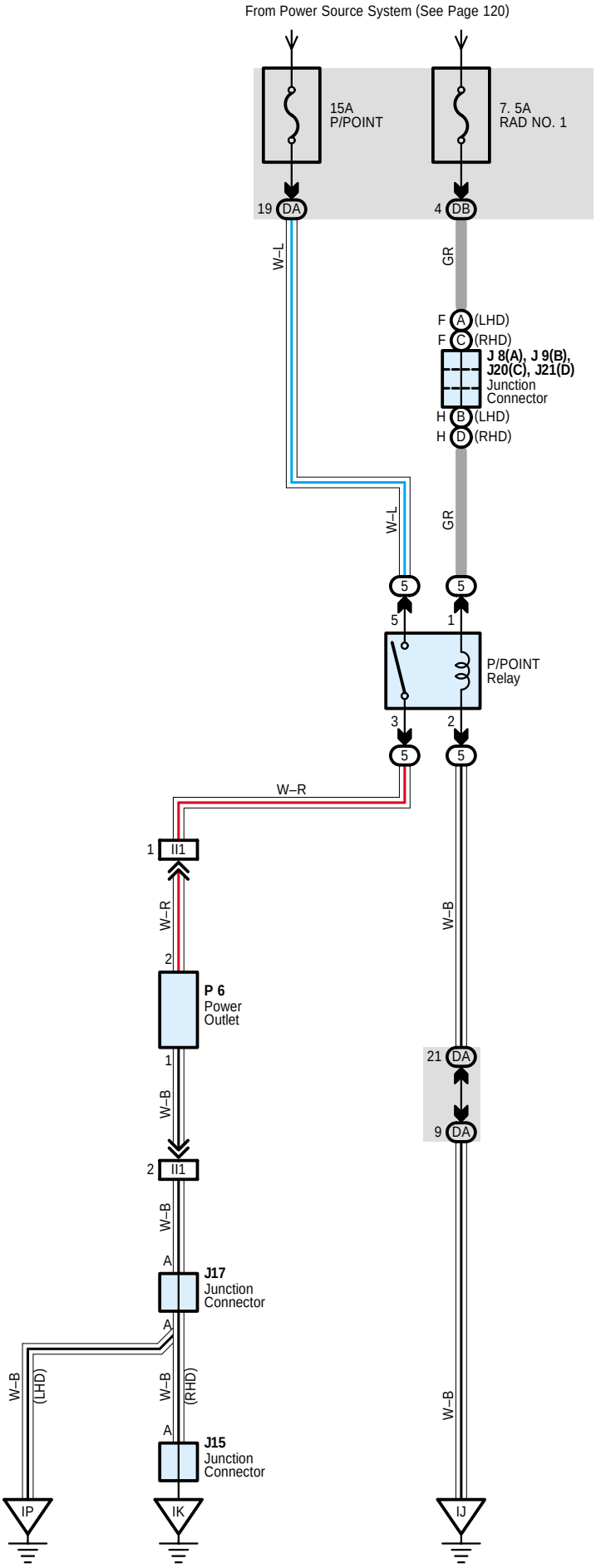
From Power Source System (See Page 120)
15A
P/POINT
7. 5A
RAD NO. 1
19 DA
4 DB
W–L
GR
F A (LHD)
F C (RHD)
J 8(A), J 9(B),
J20(C), J21(D)
Junction
Connector
H B (LHD)
H D (RHD)
W–L
GR
5
5
5
1
P/POINT
Relay
3
2
5
5
W–R
1 II1
W–R
2
P 6
Power
Outlet
1
W–B
2 II1
W–B
A
J17
Junction
Connector
A
W–B
(LHD)
W–B
(RHD)
A
J15
Junction
Connector
IP
IK
W–B
21 DA
9 DA
W–B
IJ

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Service Hints

P6 Power Outlet

2–Ground : Approx. 12 volts with the ignition SW at ACC or ON position

1–Ground : Always continuity

: Parts Location

Code		See Page	Code		See Page	Code		See Page
J8	A	48 (LHD)	J17		48 (LHD)	J21	D	68 (RHD)
J9	B	48 (LHD)			68 (RHD)	P6		49 (LHD)
J15		68 (RHD)	J20	C	68 (RHD)			69 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
	28 (RHD)	Driver Side R/B (Instrument Panel Reinforcement LH)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
II1	88 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Console Box)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel

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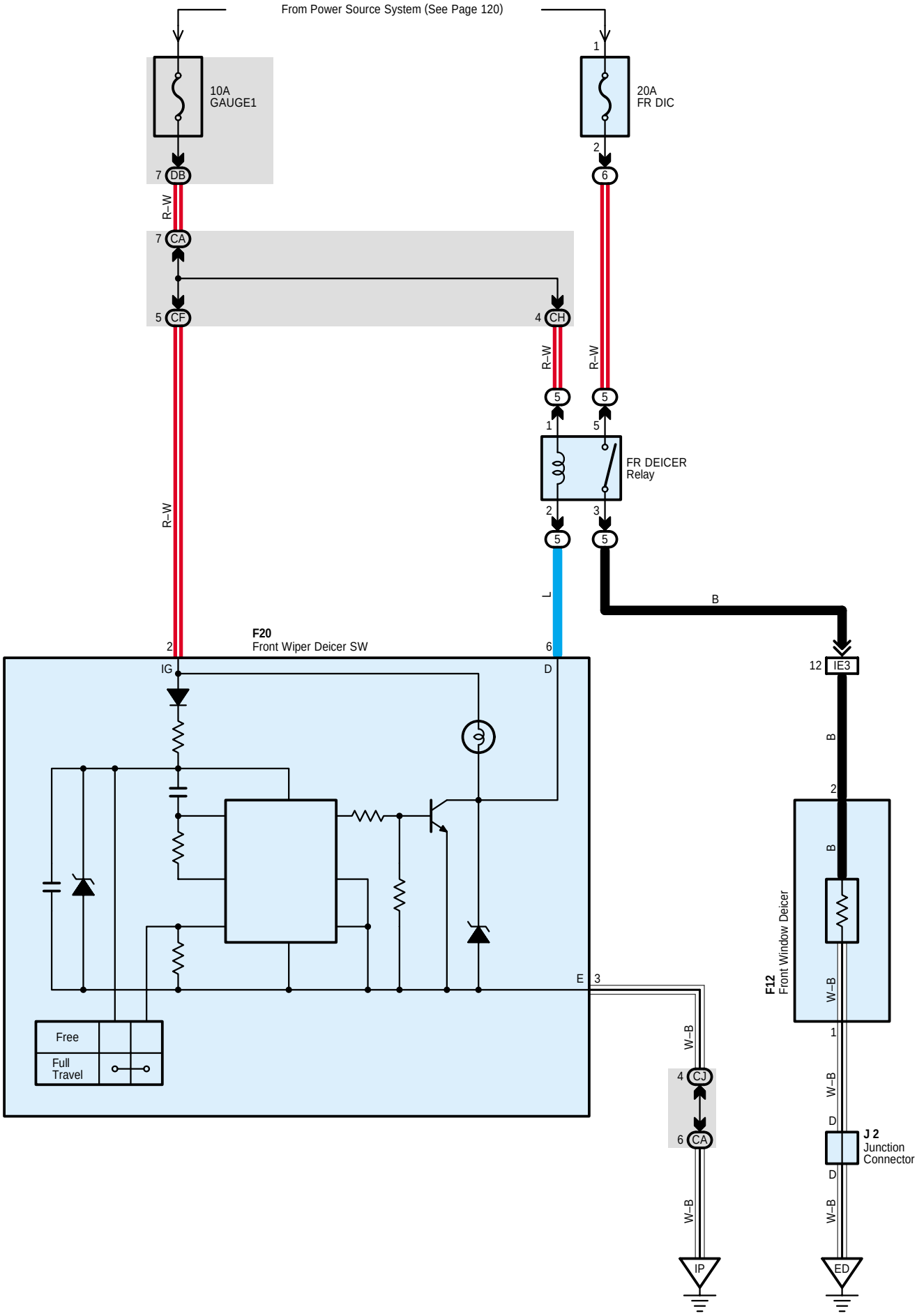
Front Window Deicer



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Service Hints

F20 Front Wiper Deicer SW

2, 6–Ground : Approx. 12 volts with the ignition SW at ON position
3–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
F12	38 (*3)	F12	44 (*6)	J2	41 (*4)
	40 (*4)	F20	47 (LHD)		43 (*5)
	42 (*5)	J2	39 (*3)		45 (*6)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CF		
CH	35	
CJ		
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)

: Ground Points

Code	See Page	Ground Points Location
ED	78 (*3)	Left Side of the Suspension Tower
	80 (*4)	
	82 (*5)	
	84 (*6)	
IP	86 (LHD)	Right Kick Panel

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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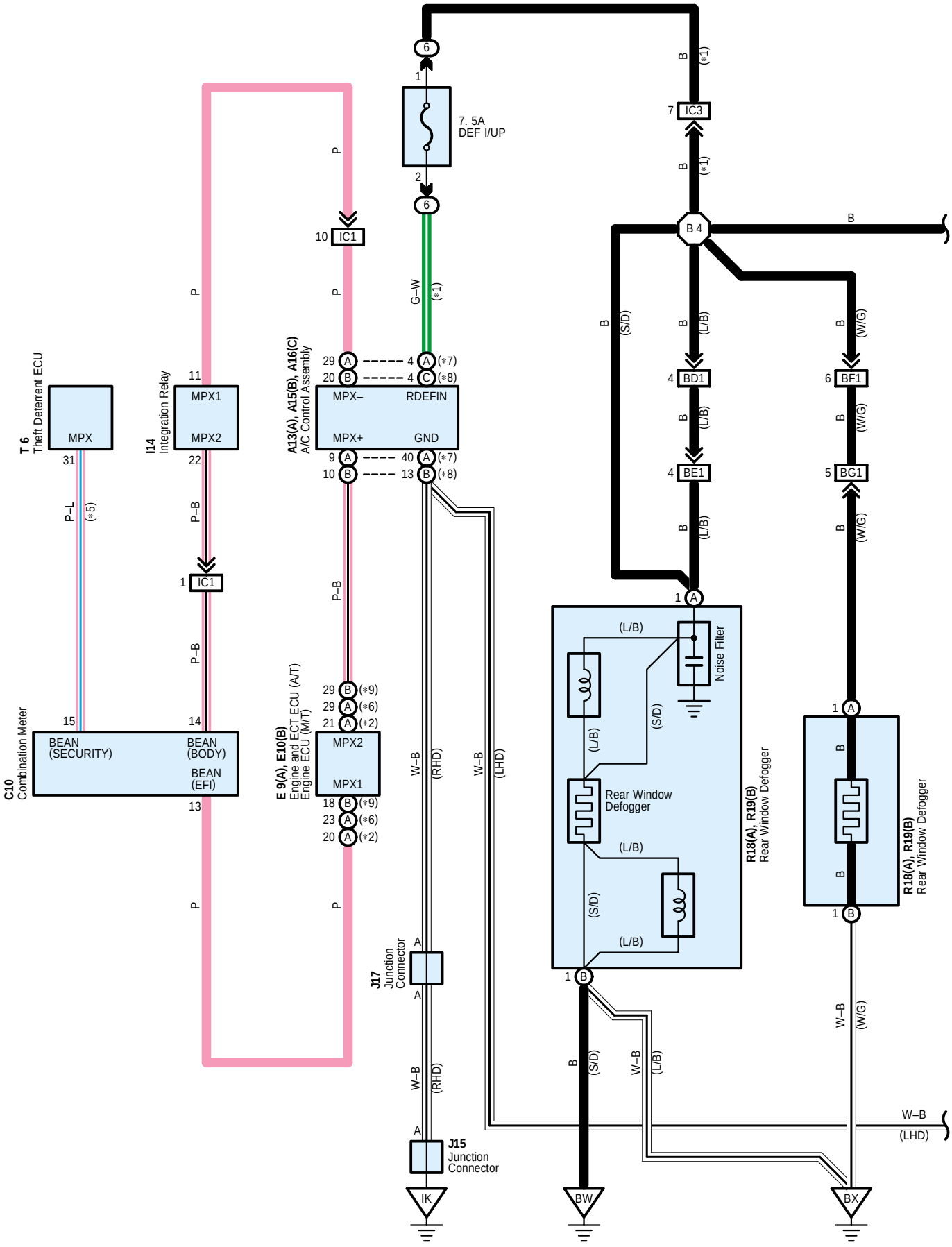
7. 5A
DEF I/UP
IC3
IC1
B 4
BD1
BE1
BF1
BG1
T 6
Theft Deterrent ECU
MPX
I14
Integration Relay
MPX1
MPX2
A13(A), A15(B), A16(C)
A/C Control Assembly
MPX–
RDEFIN
MPX+
GND
C10
Combination Meter
BEAN (SECURITY)
BEAN (BODY)
BEAN (EFI)
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
Noise Filter
Rear Window Defogger
R18(A), R19(B)
Rear Window Defogger
J17
Junction Connector
J15
Junction Connector
IK
BW
BX
W–B (RHD)
W–B (LHD)
P–L (*5)

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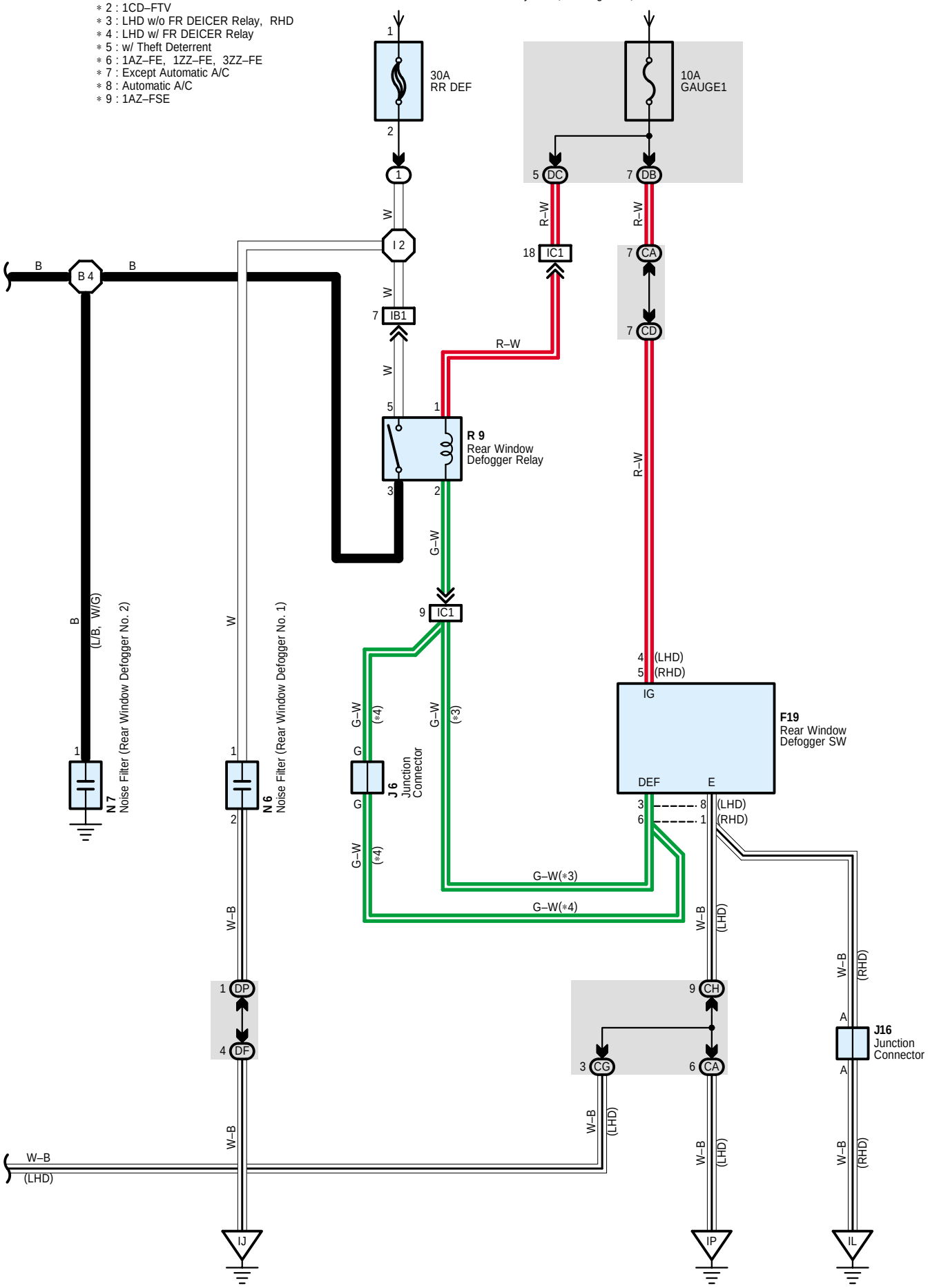
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : LHD w/o FR DEICER Relay, RHD
∗ 4 : LHD w/ FR DEICER Relay
∗ 5 : w/ Theft Deterrent
∗ 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗ 7 : Except Automatic A/C
∗ 8 : Automatic A/C
∗ 9 : 1AZ–FSE

From Power Source System (See Page 120)



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Rear Window Defogger

Service Hints

R9 Rear Window Defogger Relay

5–3 : Closed with the ignition SW at ON position and rear window defogger SW at ON position

○ : Parts Location

Code		See Page	Code	See Page	Code		See Page
A13	A	46 (LHD)	I14	47 (LHD)	R9		69 (RHD)
		66 (RHD)		67 (RHD)	R18	A	51 (LHD S/D)
A15	B	46 (LHD)	J6	48 (LHD)			53 (LHD L/B)
		66 (RHD)	J15	68 (RHD)			55 (LHD W/G)
A16	C	46 (LHD)	J16	48 (LHD)			71 (RHD S/D)
		66 (RHD)		68 (RHD)			73 (RHD L/B)
C10		46 (LHD)	J17	68 (RHD)			75 (RHD W/G)
		66 (RHD)	N6	49 (LHD)	R19	B	51 (LHD S/D)
E9	A	47 (LHD)		69 (RHD)			53 (LHD L/B)
		67 (RHD)	N7	53 (LHD L/B)			55 (LHD W/G)
E10	B	47 (LHD)		55 (LHD W/G)			71 (RHD S/D)
		67 (RHD)		73 (RHD L/B)			73 (RHD L/B)
F19		47 (LHD)		75 (RHD W/G)			75 (RHD W/G)
		67 (RHD)	R9	49 (LHD)	T6		69 (RHD)

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CG	35	
CH		
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DC		
DF		
DP	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC3	86 (LHD)	
	106 (RHD)	
BD1	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	112 (RHD L/B)	
BE1	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
	112 (RHD L/B)	
BF1	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	114 (RHD W/G)	
BG1	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	114 (RHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	106 (RHD)	Behind the Combination Meter
IL	86 (LHD)	
IP	106 (RHD)	Right Kick Panel
BW	90 (LHD S/D)	Right Quarter Panel
	110 (RHD S/D)	
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	88 (LHD)	Engine Room Main Wire	B4	94 (LHD W/G)	Floor Wire
	108 (RHD)			110 (RHD S/D)	
B4	90 (LHD S/D)	Floor Wire		112 (RHD L/B)	
	92 (LHD L/B)			114 (RHD W/G)	

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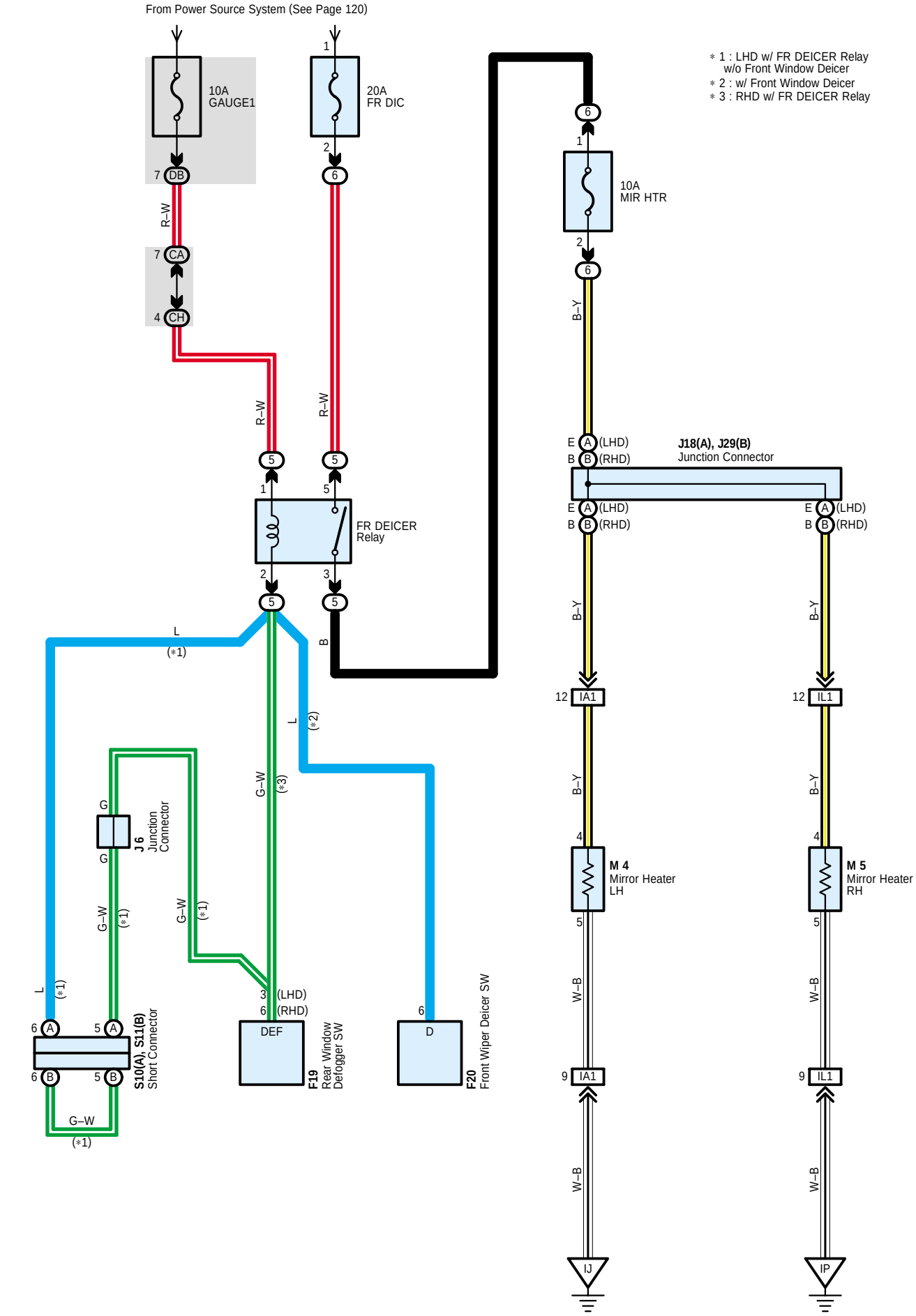
Mirror Heater



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Service Hints

M4, M5 Mirror Heater LH, RH

4–Ground : Approx. 12 volts with the front deicer SW (w/ front deicer) or rear window defogger SW (w/o front deicer) on

5–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
F19	47 (LHD)	M4	53 (LHD L/B)	M5	55 (LHD W/G)
	67 (RHD)		55 (LHD W/G)		71 (RHD S/D)
F20	47 (LHD)		71 (RHD S/D)		73 (RHD L/B)
J6	48 (LHD)		73 (RHD L/B)		75 (RHD W/G)
J18 A	48 (LHD)		75 (RHD W/G)	S10 A	49 (LHD)
J29 B	68 (RHD)	M5	51 (LHD S/D)	S11 B	49 (LHD)
M4	51 (LHD S/D)		53 (LHD L/B)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
	28 (RHD)	Driver Side R/B (Instrument Panel Reinforcement LH)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CH	35	
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	106 (RHD)	
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

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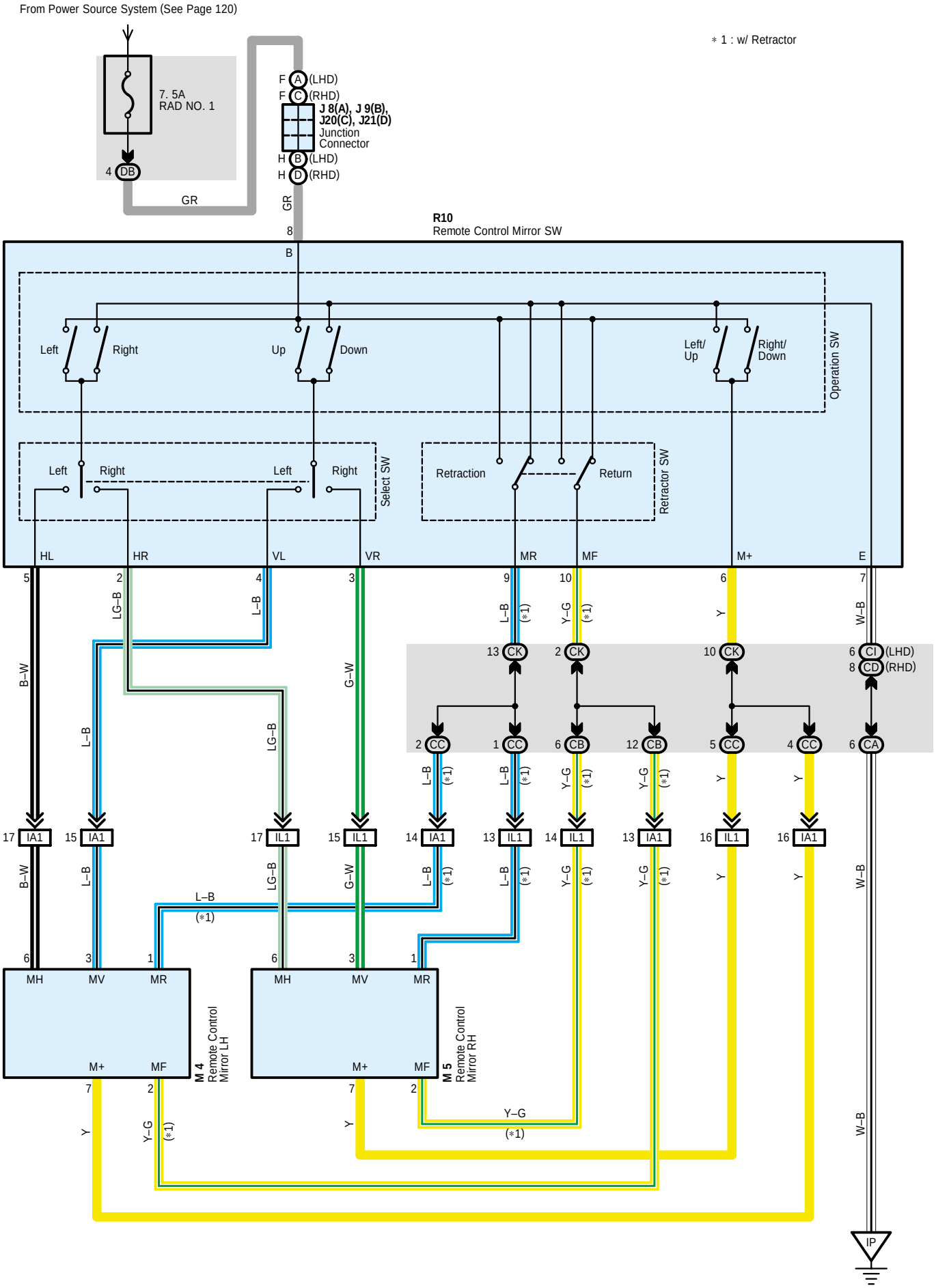
Remote Control Mirror



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Service Hints

R10 Remote Control Mirror SW

8–Ground : Approx. 12 volts with ignition SW at ACC or ON position
7–Ground : Always continuity
8–6 : Continuity with the operation SW at RIGHT or DOWN position
6–7 : Continuity with the operation SW at LEFT or UP position
8–9, 10–7 : Continuity with the retractor SW at RETRACTION position
8–10, 9–7 : Continuity with the retractor SW at RETURN position

○ : Parts Location

Code		See Page	Code	See Page	Code	See Page
J8	A	48 (LHD)	M4	55 (LHD W/G)	M5	55 (LHD W/G)
J9	B	48 (LHD)		71 (RHD S/D)		71 (RHD S/D)
J20	C	68 (RHD)		73 (RHD L/B)		73 (RHD L/B)
J21	D	68 (RHD)		75 (RHD W/G)		75 (RHD W/G)
M4		51 (LHD S/D)	M5	51 (LHD S/D)	R10	49 (LHD)
		53 (LHD L/B)		53 (LHD L/B)		69 (RHD)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CI	35	
CK		
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	106 (RHD)	
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
	108 (RHD)	

▽ : Ground Points

Code	See Page	Ground Points Location
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

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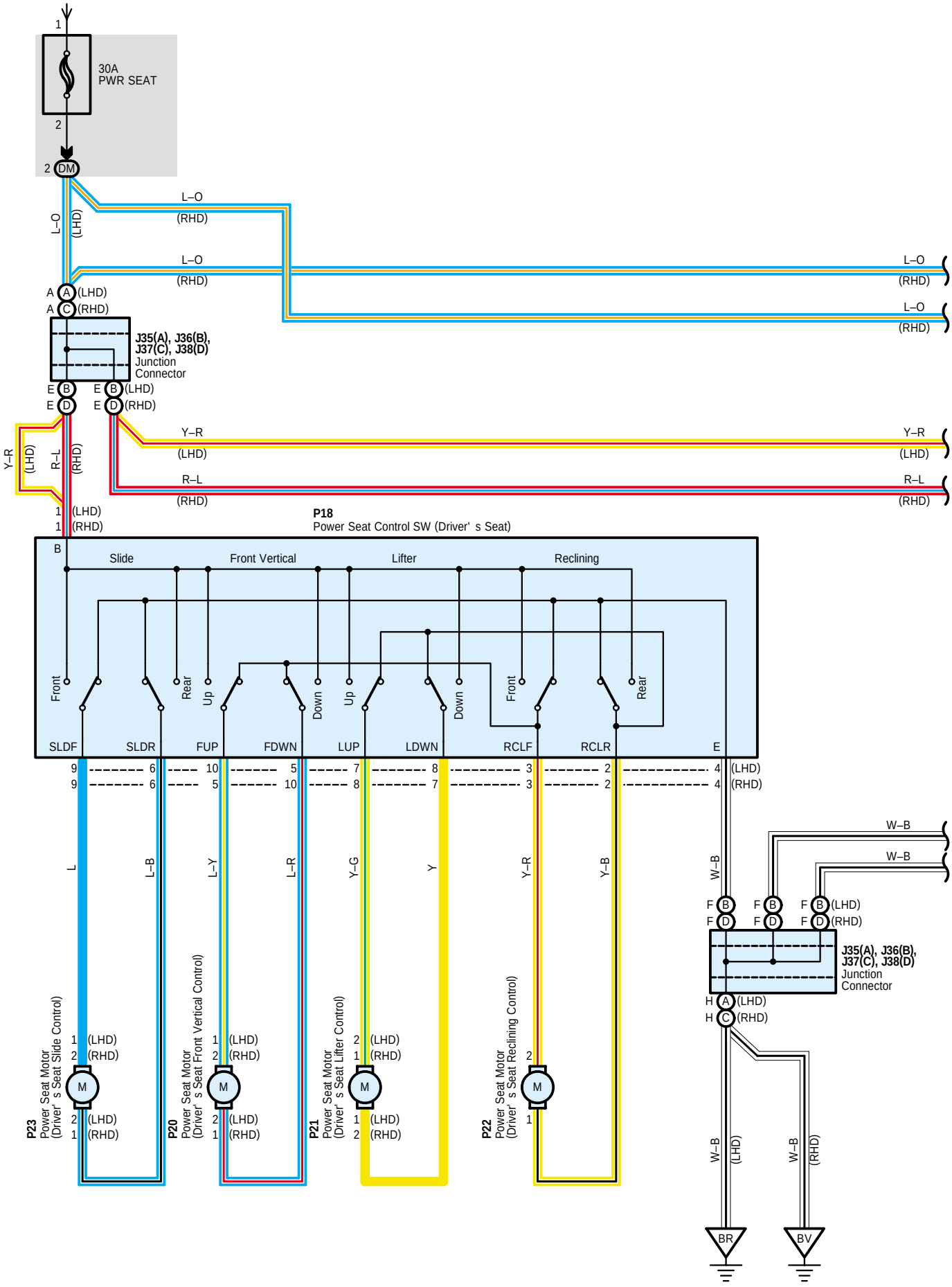
Power Seat

From Power Source System (See Page 120)



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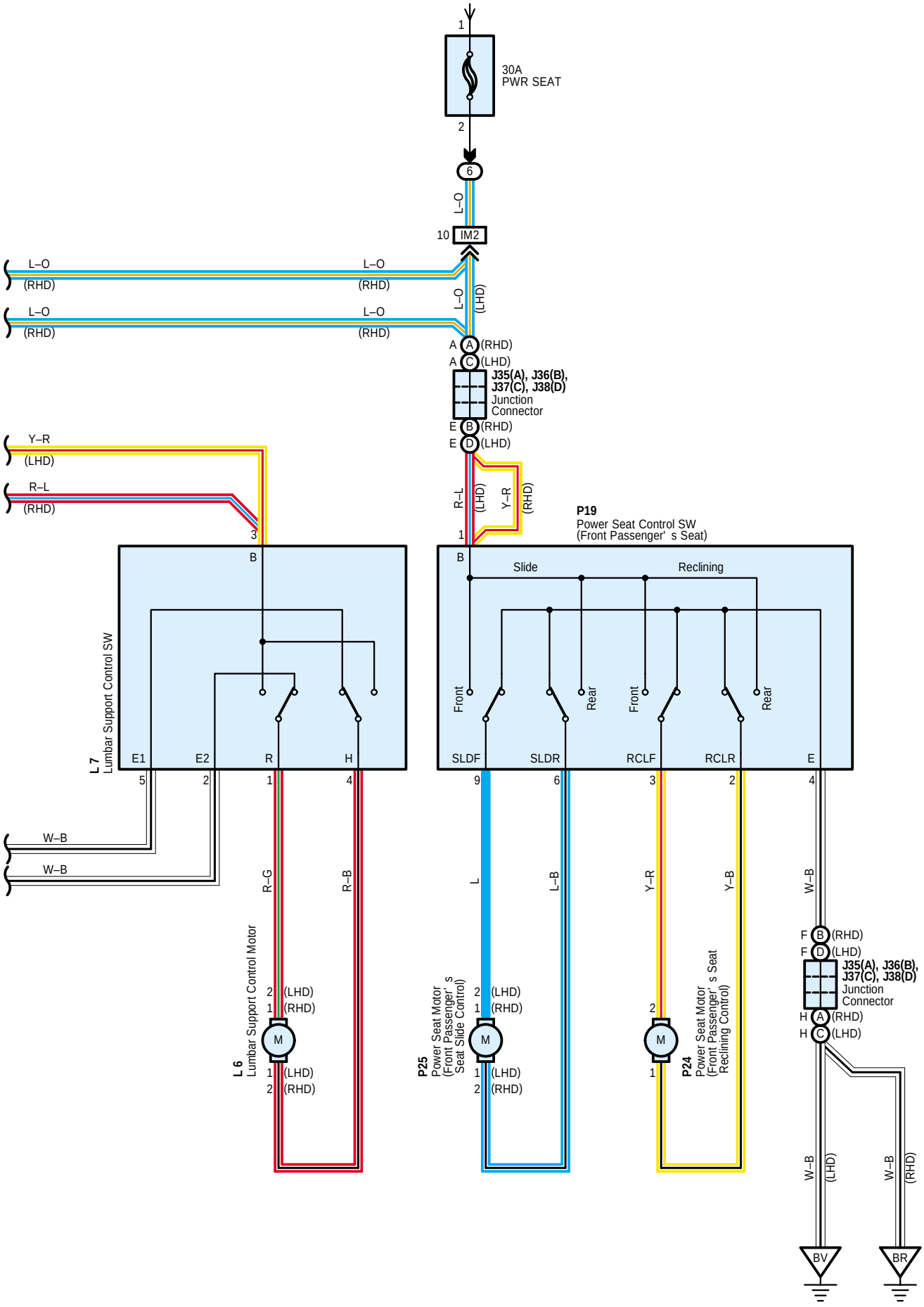
From Power Source System (See Page 120)



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Power Seat

Service Hints

P18 Power Seat Control SW (Driver's Seat)

1–Ground : Always approx. 12 volts
4–Ground : Always continuity

P19 Power Seat Control SW (Front Passenger's Seat)

1–Ground : Always approx. 12 volts
4–Ground : Always continuity

○ : Parts Location

Code		See Page	Code	See Page	Code	See Page
J35	A	56 (LHD)	L7	56 (LHD)	P22	56 (LHD)
		76 (RHD)		76 (RHD)		76 (RHD)
J36	B	56 (LHD)	P18	56 (LHD)	P23	56 (LHD)
		76 (RHD)		76 (RHD)		76 (RHD)
J37	C	56 (LHD)	P19	56 (LHD)	P24	56 (LHD)
		76 (RHD)		76 (RHD)		76 (RHD)
J38	D	56 (LHD)	P20	56 (LHD)	P25	56 (LHD)
		76 (RHD)		76 (RHD)		76 (RHD)
L6		56 (LHD)	P21	56 (LHD)		
		76 (RHD)		76 (RHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IM2	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	108 (RHD)	

▽ : Ground Points

Code	See Page	Ground Points Location
BR	90 (LHD S/D)	Under the Left Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BV	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

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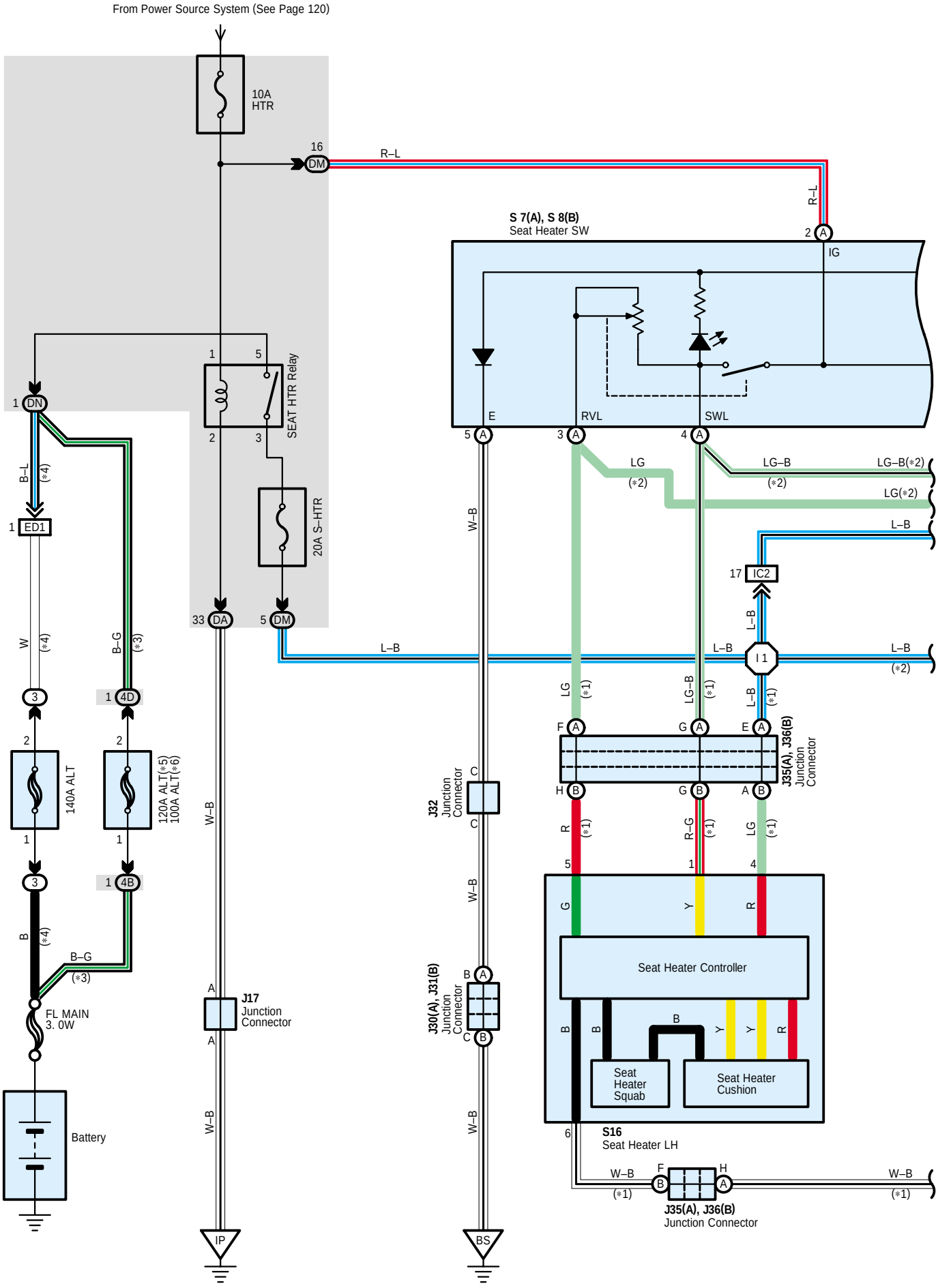
Seat Heater



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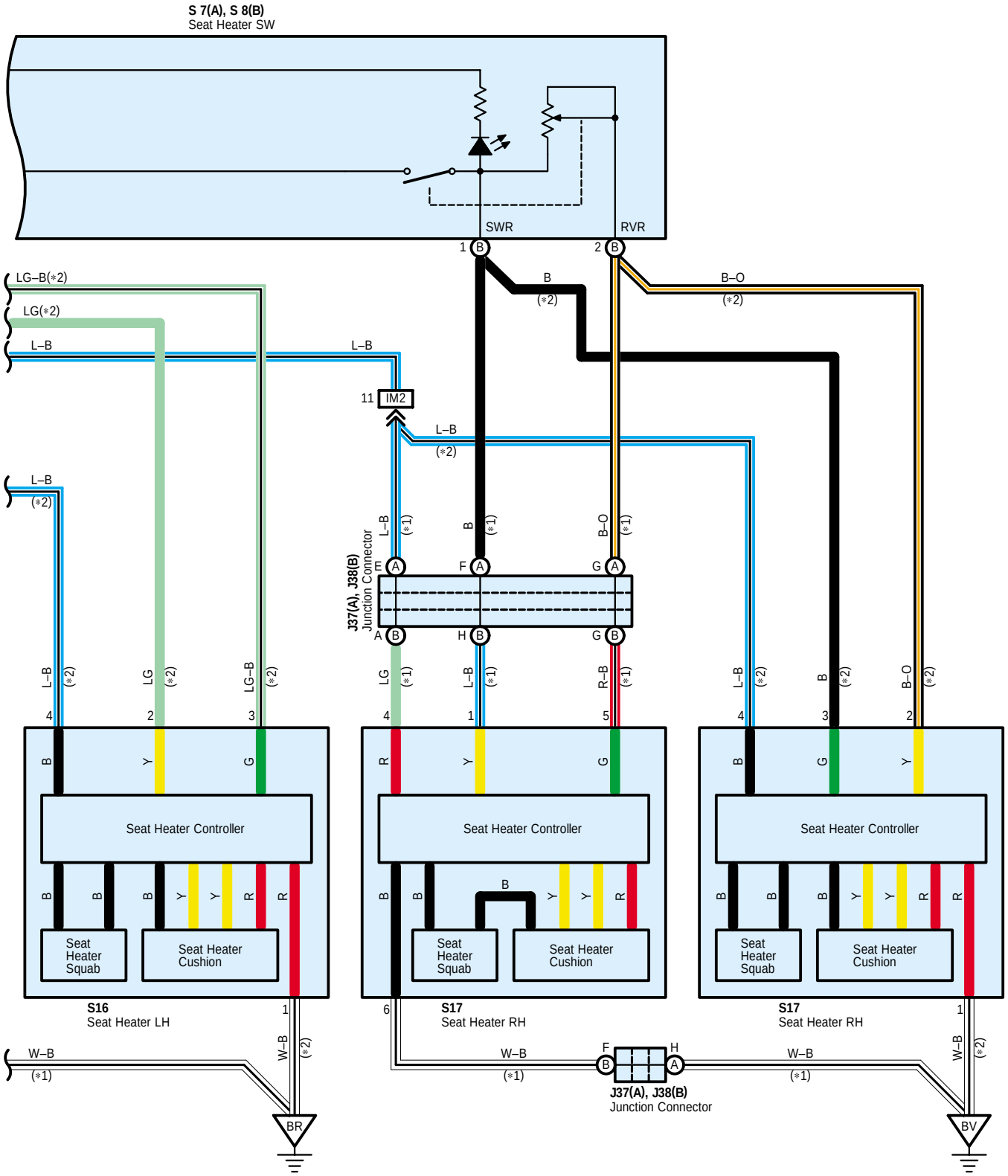
∗ 1 : w/ Power Seat
∗ 2 : w/o Power Seat
∗ 3 : Gasoline
∗ 4 : 1CD–FTV
∗ 5 : 1AZ–FSE, 1AZ–FE
∗ 6 : 1ZZ–FE, 3ZZ–FE



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Seat Heater

Service Hints

S7 Seat Heater SW

2–Ground : Approx. 12 volts with the ignition SW at ON position
5–Ground : Always continuity

: Parts Location

Code		See Page	Code		See Page	Code		See Page
J17		48 (LHD)	J31	B	55 (LHD W/G)	J37	A	56 (LHD)
J30	A	51 (LHD S/D)	J32		51 (LHD S/D)	J38	B	56 (LHD)
		53 (LHD L/B)			53 (LHD L/B)	S7	A	49 (LHD)
		55 (LHD W/G)			55 (LHD W/G)	S8	B	49 (LHD)
J31	B	51 (LHD S/D)	J35	A	56 (LHD)	S16		56 (LHD)
		53 (LHD L/B)	J36	B	56 (LHD)	S17		56 (LHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IM2	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

: Ground Points

Code	See Page	Ground Points Location
IP	86 (LHD)	Right Kick Panel
BR	90 (LHD S/D)	Under the Left Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
BV	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I1	88 (LHD)	Floor Wire			

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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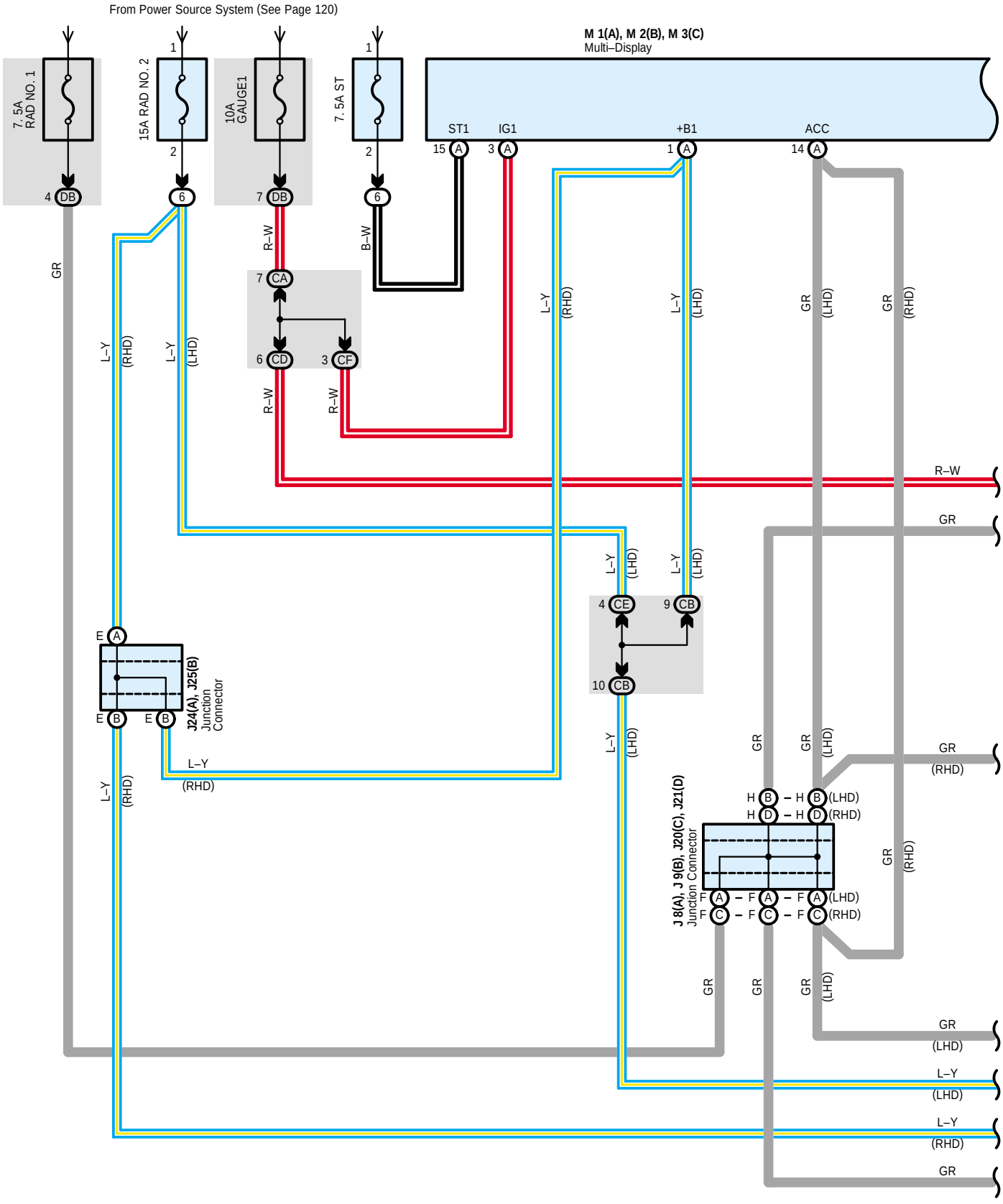
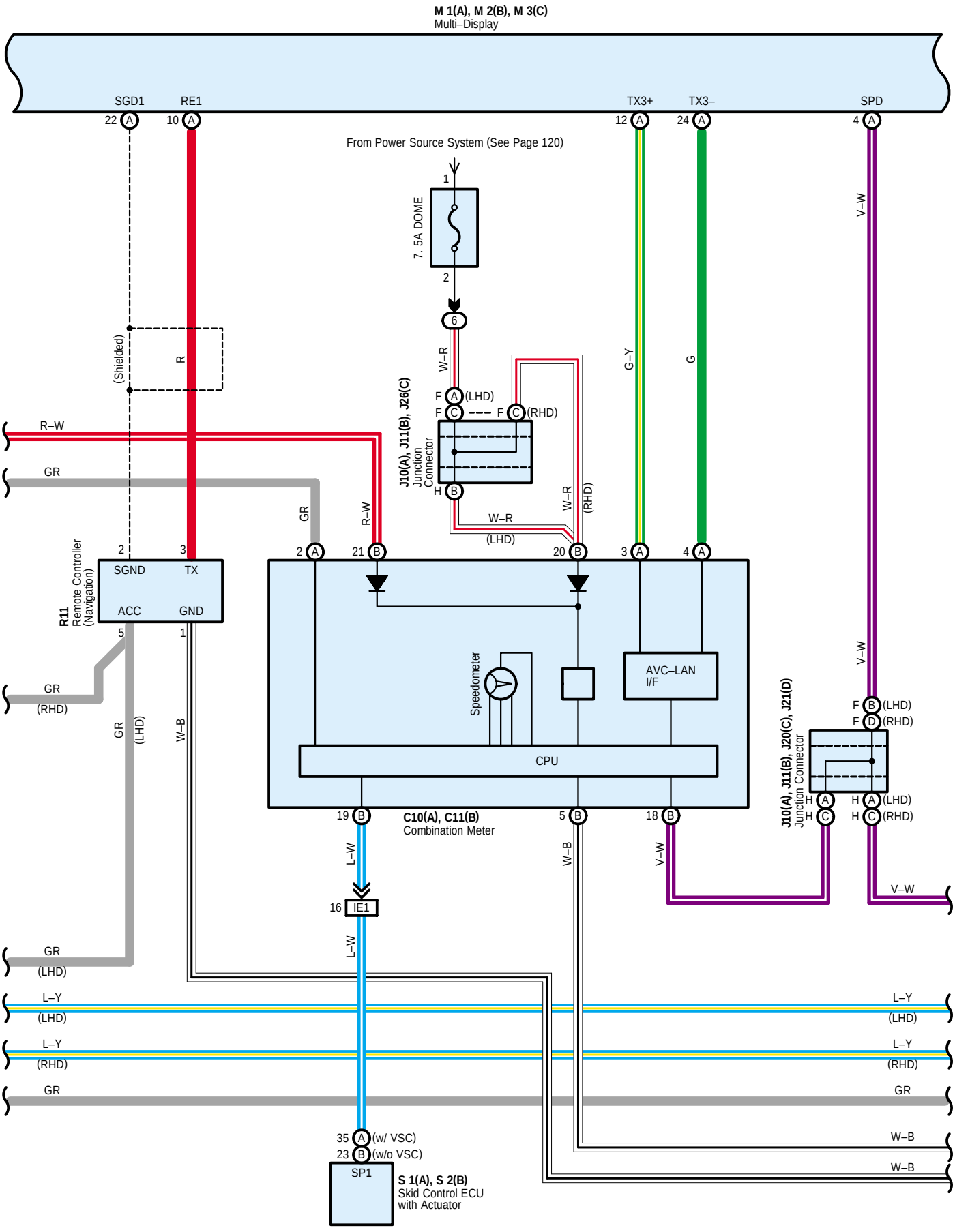
Navigation System (Map Type)



http://vnx.su


M 1(A), M 2(B), M 3(C)
Multi–Display
SGD1
RE1
TX3+
TX3–
SPD
From Power Source System (See Page 120)
7. 5A DOME
J10(A), J11(B), J26(C)
Junction Connector
(LHD)
(RHD)
R11
Remote Controller
(Navigation)
SGND
TX
ACC
GND
Speedometer
AVC–LAN
I/F
CPU
C10(A), C11(B)
Combination Meter
J10(A), J11(B), J20(C), J21(D)
Junction Connector
IE1
SP1
(w/ VSC)
(w/o VSC)
S 1(A), S 2(B)
Skid Control ECU
with Actuator
R–W
GR
W–R
G–Y
G
V–W
L–W
W–B
L–Y

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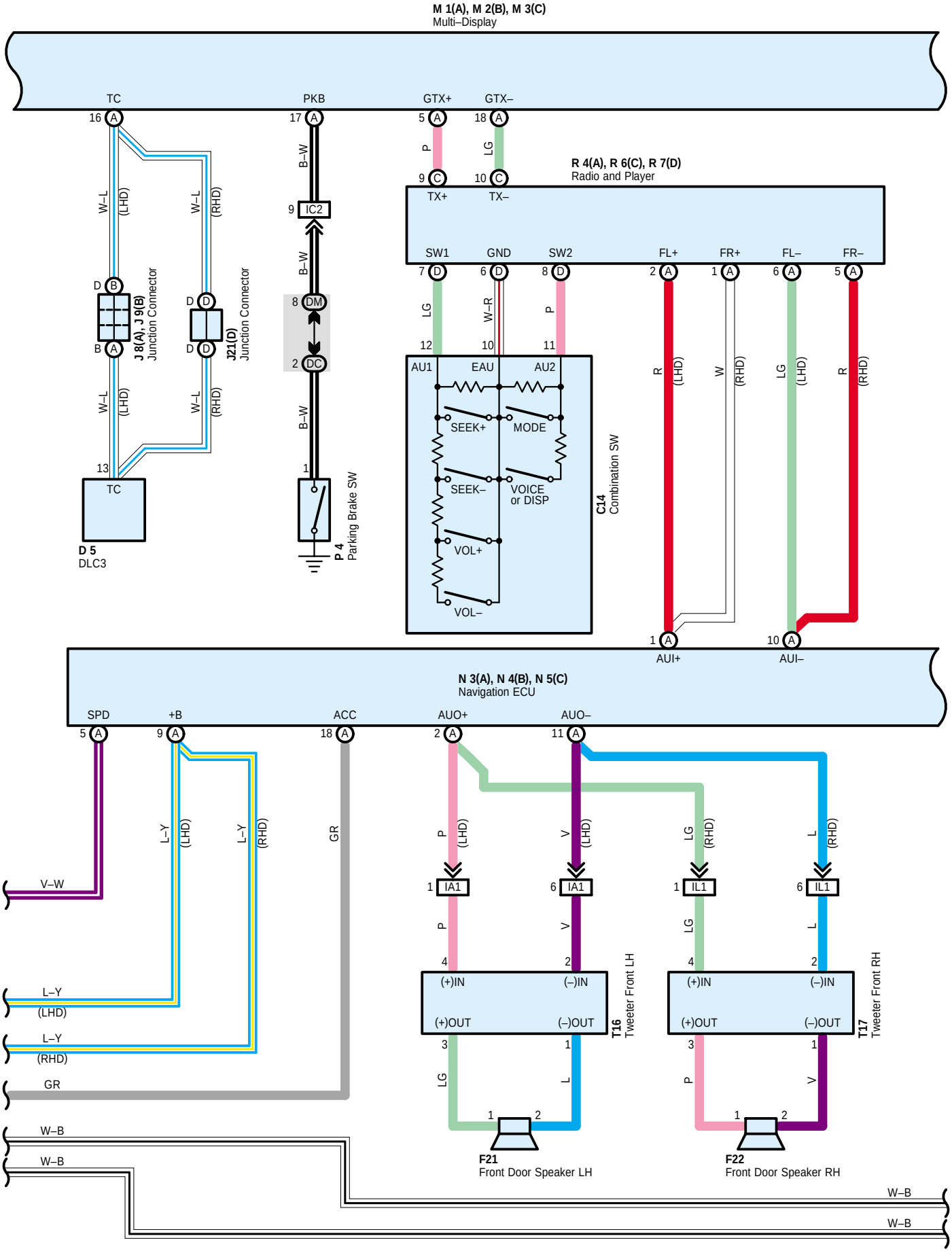
M 1(A), M 2(B), M 3(C)
Multi–Display
TC
PKB
GTX+
GTX–
16
17
5
18
W–L (LHD)
W–L (RHD)
B–W
P
LG
9
10
IC2
TX+
TX–
R 4(A), R 6(C), R 7(D)
Radio and Player
SW1
GND
SW2
FL+
FR+
FL–
FR–
7
6
8
2
1
6
5
LG
W–R
P
R (LHD)
W (RHD)
LG (LHD)
R (RHD)
12
10
11
J 8(A), J 9(B)
Junction Connector
J21(D)
Junction Connector
8 DM
2 DC
AU1
EAU
AU2
SEEK+
MODE
SEEK–
VOICE
or DISP
VOL+
VOL–
C14
Combination SW
B–W
13
1
TC
D 5
DLC3
P 4
Parking Brake SW
AUI+
AUI–
N 3(A), N 4(B), N 5(C)
Navigation ECU
SPD
+B
ACC
AUO+
AUO–
5
9
18
2
11
L–Y (LHD)
L–Y (RHD)
GR
P (LHD)
V (LHD)
LG (RHD)
L (RHD)
V–W
L–Y
(LHD)
L–Y
(RHD)
GR
W–B
W–B
1 IA1
6 IA1
1 IL1
6 IL1
P
V
LG
L
4
2
(+)IN
(–)IN
(+)OUT
(–)OUT
T16
Tweeter Front LH
T17
Tweeter Front RH
3
1
LG
L
P
V
F21
Front Door Speaker LH
F22
Front Door Speaker RH
W–B
W–B

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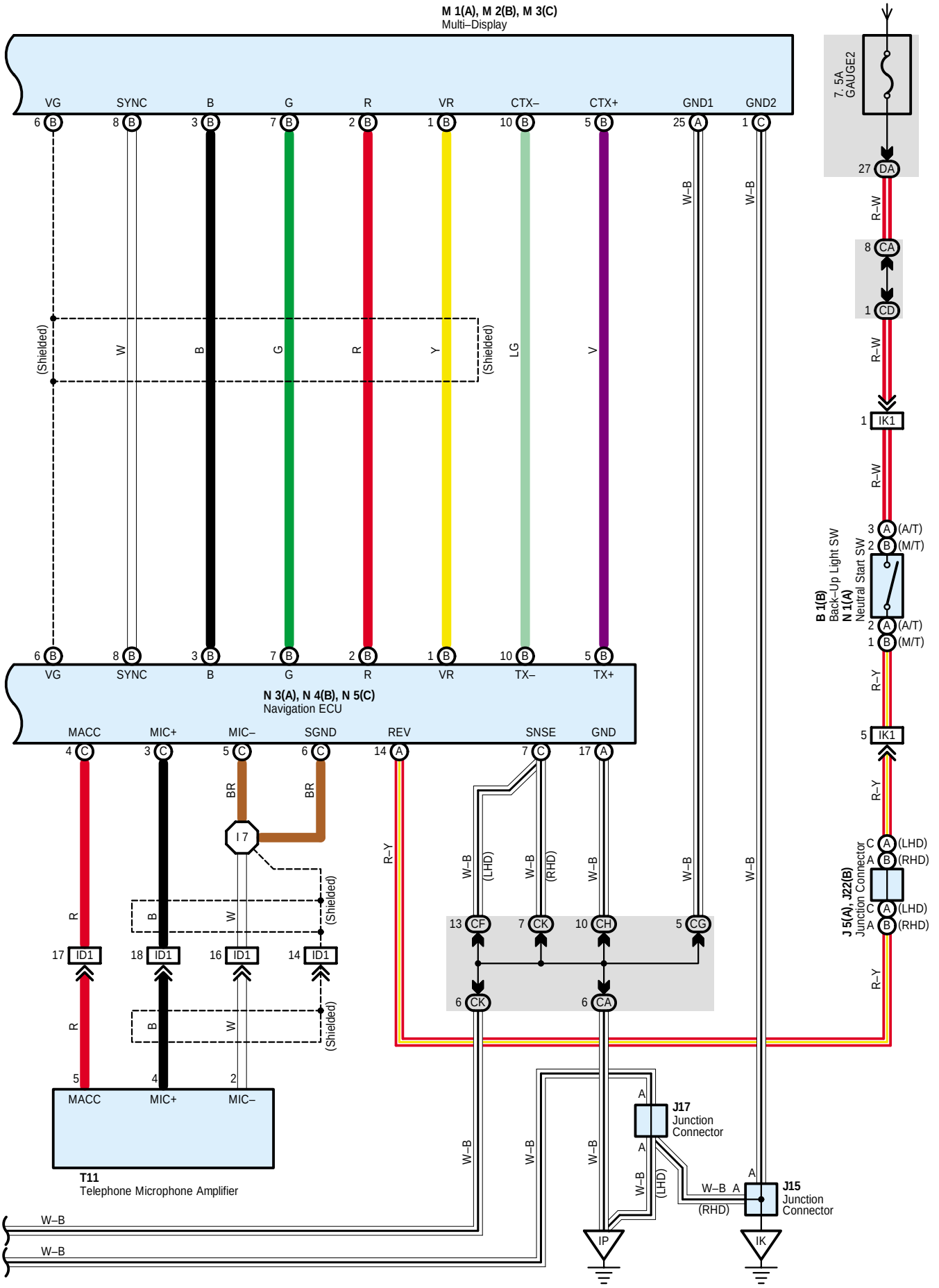
From Power Source System (See Page 120)



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Navigation System (Map Type)

System Outline

The navigation system precisely measures the current vehicle position, displays the map obtained from the map database on the screen, and informs the route to the destination shown on the map using voice guidance.
The navigation system is also capable of recognizing voice and enables you to operate itself or the audio system by briefly pressing the voice operation switch and giving a voice command.

Service Hints

N3 (A) Navigation ECU

(A) 9–Ground : Always approx. 12 volts
(A) 18–Ground : Approx. 12 volts with the ignition SW at ACC or ON position
(A) 17–Ground : Always continuity

R11 Remote Controller (Navigation)

5–Ground : Approx. 12 volts with the ignition SW at ACC or ON position
1–Ground : Always continuity

M1 (A), M3 (C) Multi–Display

(A) 1–Ground : Always approx. 12 volts
(A) 14–Ground : Approx. 12 volts with the ignition SW at ACC or ON position
(A) 3–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 25, (C) 1–Ground : Always continuity

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○ : Parts Location

Code		See Page
B1	B	38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		62 (*9)
		64 (*10)
C10	A	46 (LHD)
		66 (RHD)
C11	B	46 (LHD)
		66 (RHD)
C14		46 (LHD)
		66 (RHD)
D5		47 (LHD)
		67 (RHD)
F21		50 (LHD S/D)
		52 (LHD L/B)
		54 (LHD W/G)
		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
F22		50 (LHD S/D)
		52 (LHD L/B)
		54 (LHD W/G)
		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
J5	A	48 (LHD)
J8	A	48 (LHD)
J9	B	48 (LHD)
J10	A	48 (LHD)
J11	B	48 (LHD)

Code		See Page
J15		48 (LHD)
		68 (RHD)
J17		48 (LHD)
		68 (RHD)
J20	C	68 (RHD)
J21	D	68 (RHD)
J22	B	68 (RHD)
J24	A	68 (RHD)
J25	B	68 (RHD)
J26	C	68 (RHD)
M1	A	48 (LHD)
		68 (RHD)
M2	B	48 (LHD)
		68 (RHD)
M3	C	48 (LHD)
		68 (RHD)
N1	A	39 (*3)
		41 (*4)
		43 (*5)
		59 (*7)
		63 (*9)
N3	A	49 (LHD)
		69 (RHD)
N4	B	49 (LHD)
		69 (RHD)
N5	C	49 (LHD)
		69 (RHD)
P4		49 (LHD)
		69 (RHD)
R4	A	49 (LHD)
		69 (RHD)
R6	C	49 (LHD)

Code		See Page
R6	C	69 (RHD)
R7	D	49 (LHD)
		69 (RHD)
R11		49 (LHD)
		69 (RHD)
S1	A	39 (*3)
		45 (*6)
		59 (*7)
		65 (*10)
S2	B	41 (*4)
		43 (*5)
		45 (*6)
		63 (*9)
		65 (*10)
T11		51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)
T16		51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)
T17		51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CE		
CF		
CG	35	
CH		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I7	88 (LHD)	Instrument Panel Wire	I7	108 (RHD)	Instrument Panel Wire

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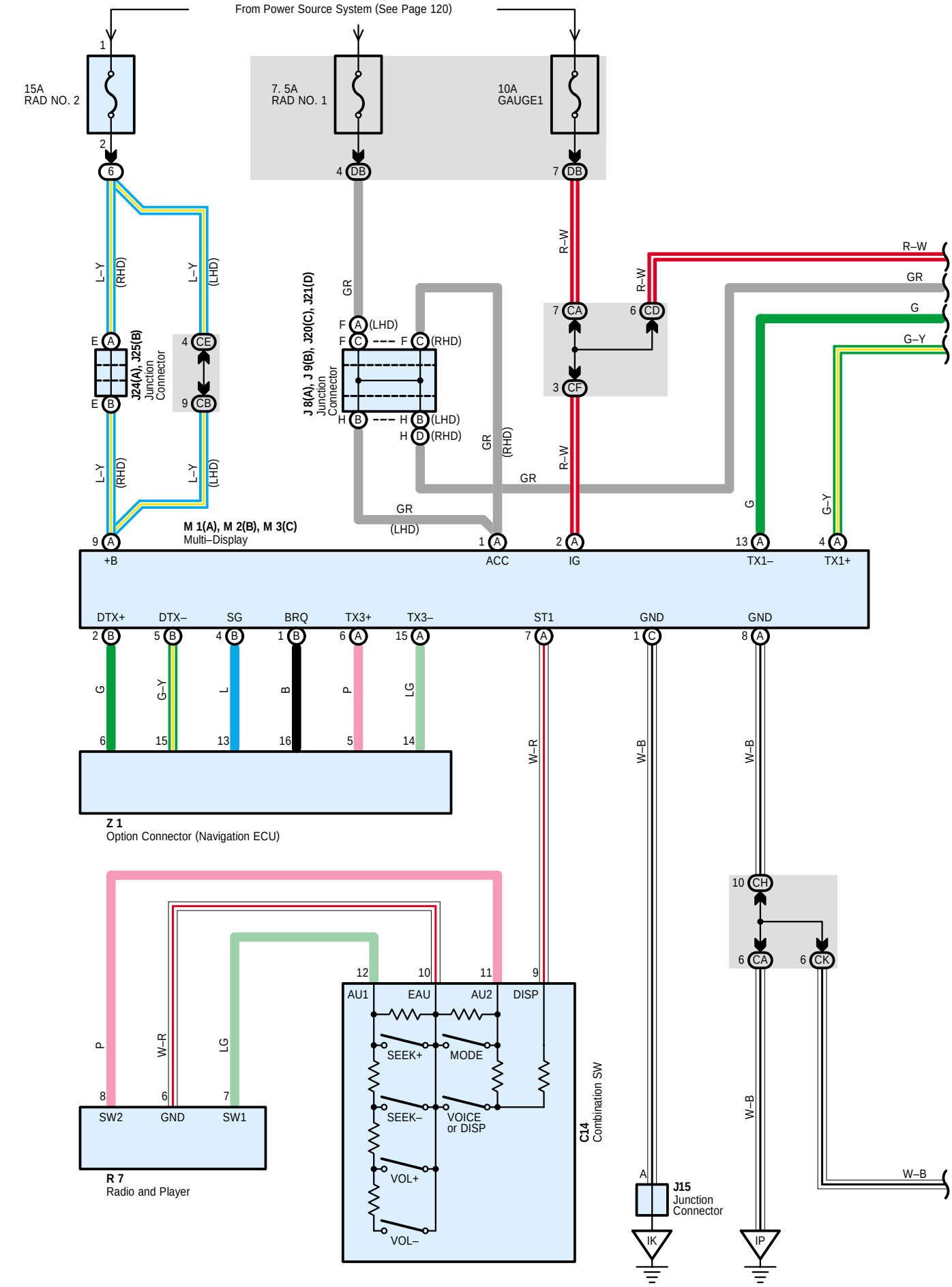
Multi–Display (w/o Navigation System Map Type)



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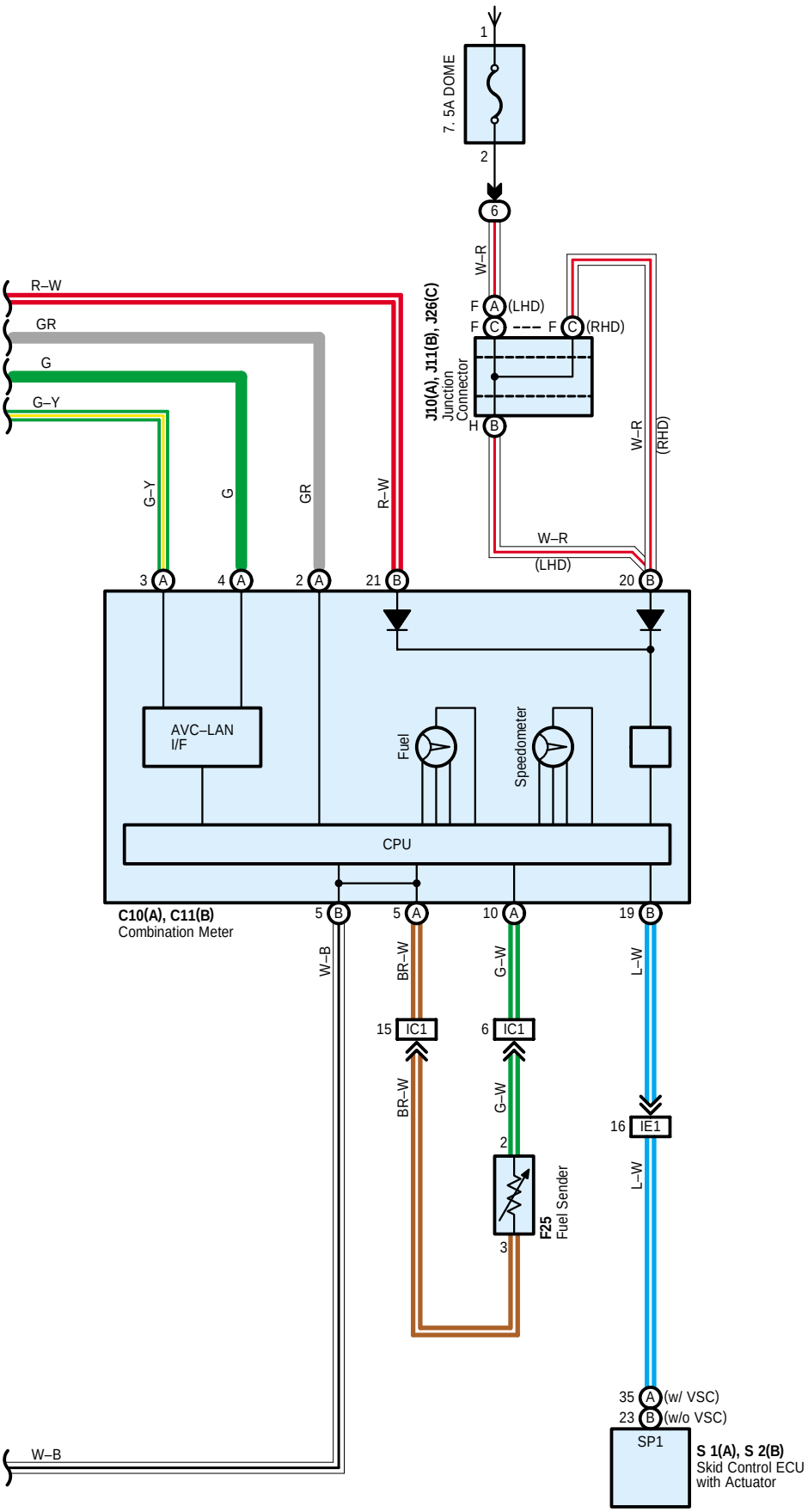
From Power Source System (See Page 120)



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Multi–Display (w/o Navigation System Map Type)

Service Hints

M1 (A), M3 (C) Multi–Display

(A) 2–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 1–Ground : Approx. 12 volts with the ignition SW at ACC or ON position
(A) 9–Ground : Always approx. 12 volts
(A) 8, (C) 1–Ground : Always continuity

: Parts Location

Code		See Page	Code		See Page	Code		See Page
C10	A	46 (LHD)	J10	A	48 (LHD)	M3	C	68 (RHD)
		66 (RHD)	J11	B	48 (LHD)	R7		49 (LHD)
C11	B	46 (LHD)	J15		48 (LHD)			69 (RHD)
		66 (RHD)			68 (RHD)	S1	A	39 (*3)
C14		46 (LHD)	J20	C	68 (RHD)			45 (*6)
		66 (RHD)	J21	D	68 (RHD)			59 (*7)
F25		50 (LHD S/D)	J24	A	68 (RHD)			65 (*10)
		52 (LHD L/B)	J25	B	68 (RHD)	S2	B	41 (*4)
		54 (LHD W/G)	J26	C	68 (RHD)			43 (*5)
		70 (RHD S/D)	M1	A	48 (LHD)			45 (*6)
		72 (RHD L/B)			68 (RHD)			63 (*9)
		74 (RHD W/G)	M2	B	48 (LHD)			65 (*10)
J8	A	48 (LHD)			68 (RHD)	Z1		49 (LHD)
J9	B	48 (LHD)	M3	C	48 (LHD)			69 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CE		
CF		
CH	35	
CK		
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

: Ground Points

Code	See Page	Ground Points Location
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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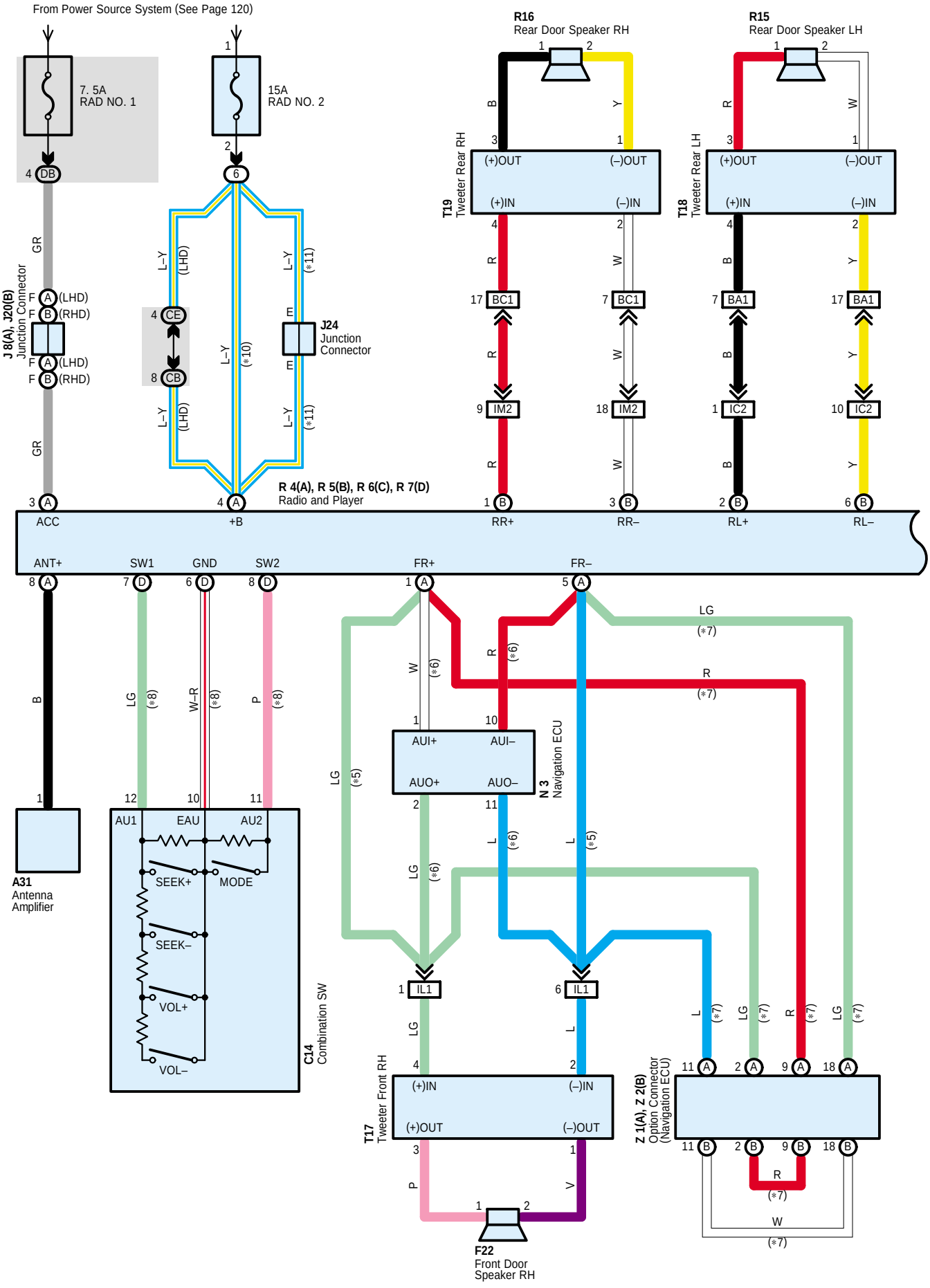
From Power Source System (See Page 120)
7. 5A
RAD NO. 1
15A
RAD NO. 2
J 8(A), J20(B)
Junction Connector
J24
Junction
Connector
R16
Rear Door Speaker RH
R15
Rear Door Speaker LH
T19
Tweeter Rear RH
T18
Tweeter Rear LH
(+)OUT
(–)OUT
(+)IN
(–)IN
BC1
IM2
BA1
IC2
R 4(A), R 5(B), R 6(C), R 7(D)
Radio and Player
ACC
+B
RR+
RR–
RL+
RL–
ANT+
SW1
GND
SW2
FR+
FR–
A31
Antenna
Amplifier
AU1
EAU
AU2
SEEK+
MODE
SEEK–
VOL+
VOL–
C14
Combination SW
AUI+
AUI–
AUO+
AUO–
N 3
Navigation ECU
IL1
T17
Tweeter Front RH
F22
Front Door
Speaker RH
Z 1(A), Z 2(B)
Option Connector
(Navigation ECU)

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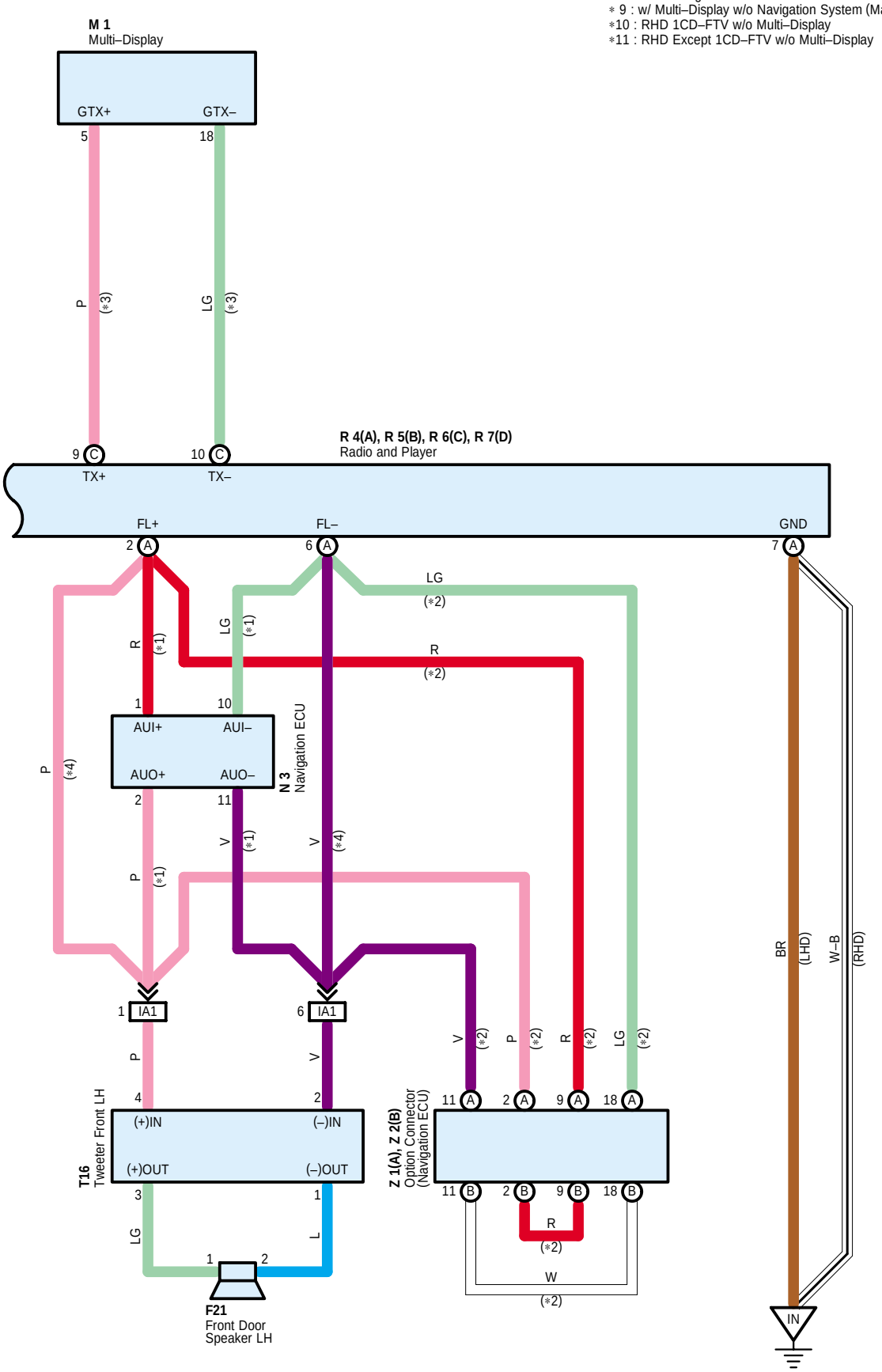
∗1 : LHD ∗3
∗2 : LHD ∗9
∗3 : w/ Navigation System (Map Type)
∗4 : RHD, LHD w/o Multi–Display
∗5 : LHD, RHD w/o Multi–Display
∗6 : RHD ∗3
∗7 : RHD ∗9
∗8 : w/ Steering SW
∗9 : w/ Multi–Display w/o Navigation System (Map Type)
∗10 : RHD 1CD–FTV w/o Multi–Display
∗11 : RHD Except 1CD–FTV w/o Multi–Display



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Service Hints

R4 (A) Radio and Player

(A) 4–Ground : Always approx. 12 volts
(A) 3–Ground : Approx. 12 volts with the ignition SW at ACC or ON position
(A) 7–Ground : Always continuity

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A31	46 (LHD)	R4 A	69 (RHD)	T16	75 (RHD W/G)
	66 (RHD)	R5 B	49 (LHD)	T17	51 (LHD S/D)
C14	46 (LHD)		69 (RHD)		53 (LHD L/B)
	66 (RHD)	R6 C	49 (LHD)		55 (LHD W/G)
F21	50 (LHD S/D)		69 (RHD)		71 (RHD S/D)
	52 (LHD L/B)	R7 D	49 (LHD)		73 (RHD L/B)
	54 (LHD W/G)		69 (RHD)		75 (RHD W/G)
	70 (RHD S/D)	R15	51 (LHD S/D)	T18	51 (LHD S/D)
	72 (RHD L/B)		53 (LHD L/B)		53 (LHD L/B)
	74 (RHD W/G)		55 (LHD W/G)		55 (LHD W/G)
F22	50 (LHD S/D)		71 (RHD S/D)		71 (RHD S/D)
	52 (LHD L/B)		73 (RHD L/B)		73 (RHD L/B)
	54 (LHD W/G)		75 (RHD W/G)		75 (RHD W/G)
	70 (RHD S/D)	R16	51 (LHD S/D)	T19	51 (LHD S/D)
	72 (RHD L/B)		53 (LHD L/B)		53 (LHD L/B)
	74 (RHD W/G)		55 (LHD W/G)		55 (LHD W/G)
J8 A	48 (LHD)		71 (RHD S/D)		71 (RHD S/D)
J20 B	68 (RHD)		73 (RHD L/B)		73 (RHD L/B)
J24	68 (RHD)		75 (RHD W/G)		75 (RHD W/G)
M1	48 (LHD)	T16	51 (LHD S/D)	Z1 A	49 (LHD)
	68 (RHD)		53 (LHD L/B)		69 (RHD)
N3	49 (LHD)		55 (LHD W/G)	Z2 B	49 (LHD)
	69 (RHD)		71 (RHD S/D)		69 (RHD)
R4 A	49 (LHD)		73 (RHD L/B)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CB	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CE		
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
	108 (RHD)	
IM2	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	108 (RHD)	
BA1	90 (LHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	90 (LHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
IN	86 (LHD)	Instrument Panel Reinforcement Center
	106 (RHD)	

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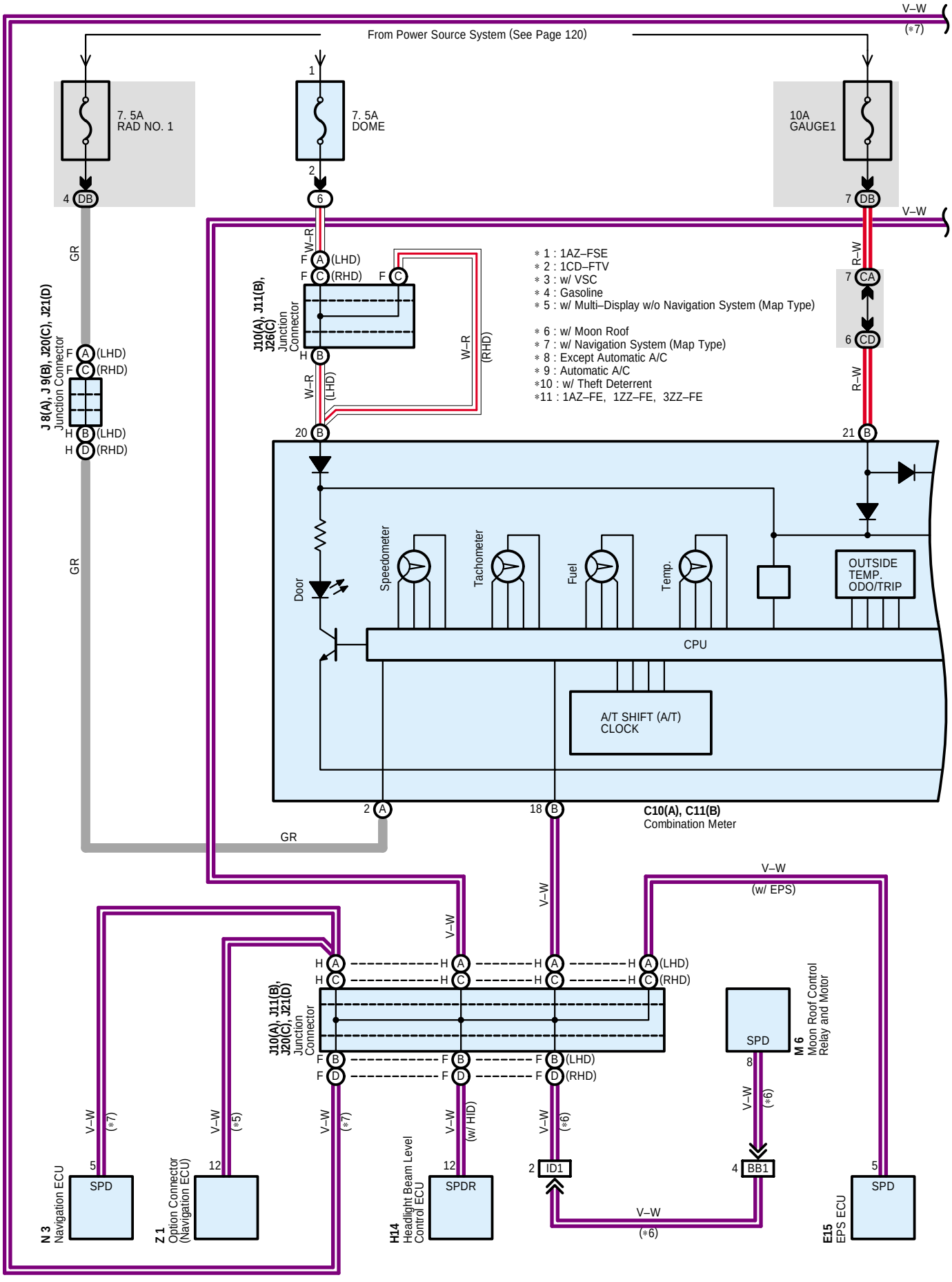
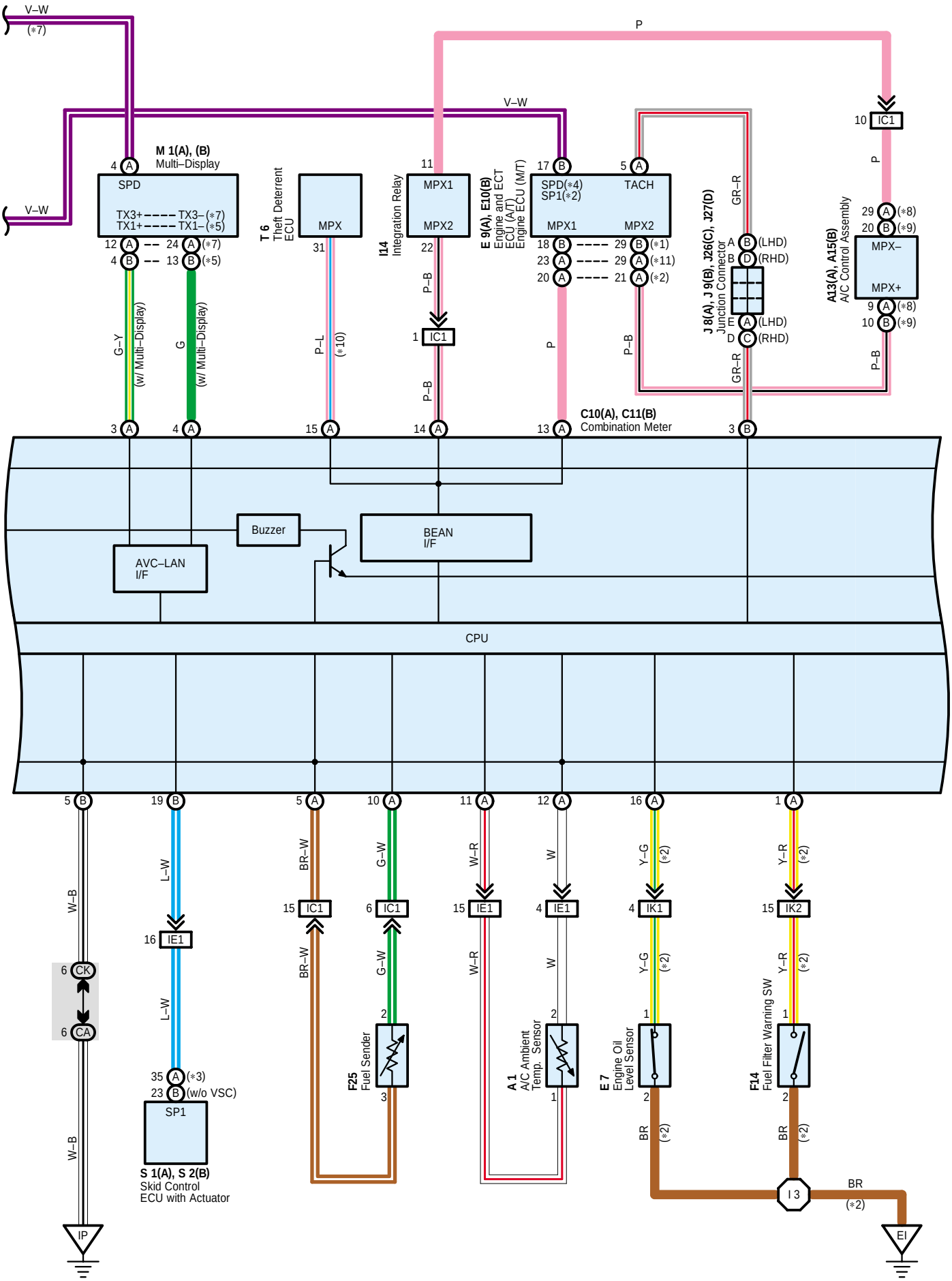

From Power Source System (See Page 120)
7. 5A
RAD NO. 1
7. 5A
DOME
10A
GAUGE1
V–W
(*7)
R–W
W–R
GR
(LHD)
(RHD)
* 1 : 1AZ–FSE
* 2 : 1CD–FTV
* 3 : w/ VSC
* 4 : Gasoline
* 5 : w/ Multi–Display w/o Navigation System (Map Type)
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : Except Automatic A/C
* 9 : Automatic A/C
*10 : w/ Theft Deterrent
*11 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
J10(A), J11(B),
J26(C)
Junction
Connector
Door
Speedometer
Tachometer
Fuel
Temp.
OUTSIDE
TEMP.
ODO/TRIP
CPU
A/T SHIFT (A/T)
CLOCK
C10(A), C11(B)
Combination Meter
J10(A), J11(B),
J20(C), J21(D)
Junction
Connector
SPD
SPDR
ID1
BB1
M 6
Moon Roof Control
Relay and Motor
(w/ EPS)
(w/ HID)
N 3
Navigation ECU
Z 1
Option Connector
(Navigation ECU)
H14
Headlight Beam Level
Control ECU
E15
EPS ECU

http://vnx.su


V–W
(*7)
P
V–W
V–W
M 1(A), (B)
Multi–Display
SPD
TX3+ TX3– (*7)
TX1+ TX1– (*5)
T 6
Theft Deterrent ECU
MPX
I14
Integration Relay
MPX1
MPX2
E 9(A), E10(B)
Engine and ECT ECU (A/T) Engine ECU (M/T)
SPD(*4)
SP1(*2)
TACH
MPX1
MPX2
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
(LHD)
(RHD)
A13(A), A15(B)
A/C Control Assembly
MPX–
MPX+
IC1
G–Y
(w/ Multi–Display)
G
(w/ Multi–Display)
P–L
(*10)
P–B
P
GR–R
C10(A), C11(B)
Combination Meter
Buzzer
BEAN
I/F
AVC–LAN
I/F
CPU
W–B
L–W
BR–W
G–W
W–R
W
Y–G
Y–R
(*2)
IE1
IK1
IK2
F25
Fuel Sender
A 1
A/C Ambient Temp. Sensor
E 7
Engine Oil Level Sensor
F14
Fuel Filter Warning SW
BR
I 3
CK
CA
IP
EI
(*3)
(w/o VSC)
SP1
S 1(A), S 2(B)
Skid Control ECU with Actuator

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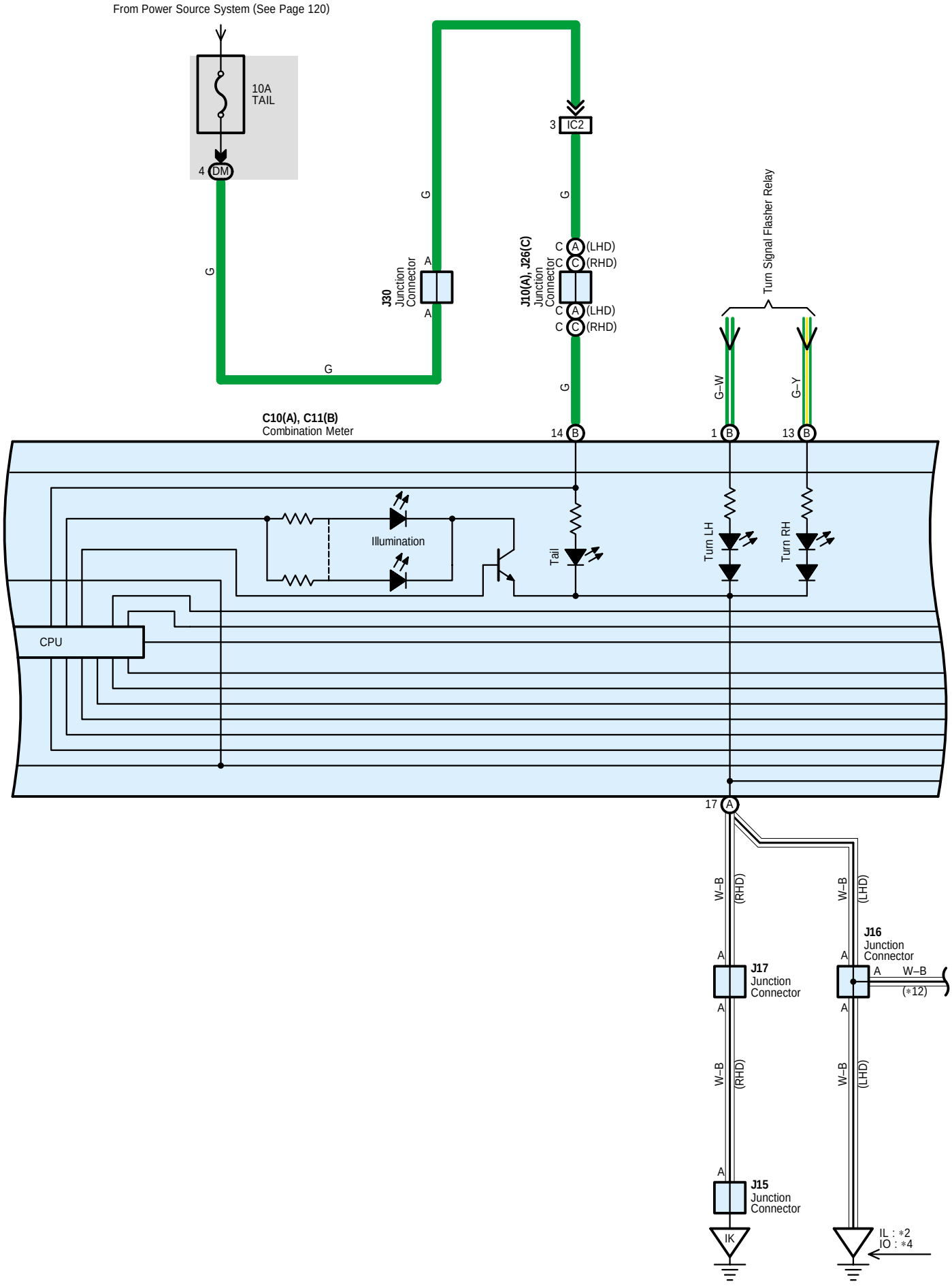
From Power Source System (See Page 120)
10A
TAIL
4 DM
G
G
3 IC2
G
J30
Junction
Connector
A
A
J10(A), J26(C)
Junction
Connector
C A (LHD)
C C (RHD)
C A (LHD)
C C (RHD)
G
Turn Signal Flasher Relay
G–W
G–Y
C10(A), C11(B)
Combination Meter
14 B
1 B
13 B
Illumination
Tail
Turn LH
Turn RH
CPU
17 A
W–B
(RHD)
W–B
(LHD)
J16
Junction
Connector
A
J17
Junction
Connector
A
A W–B
(*12)
A
W–B
(RHD)
W–B
(LHD)
A
J15
Junction
Connector
IK
IL : *2
IO : *4

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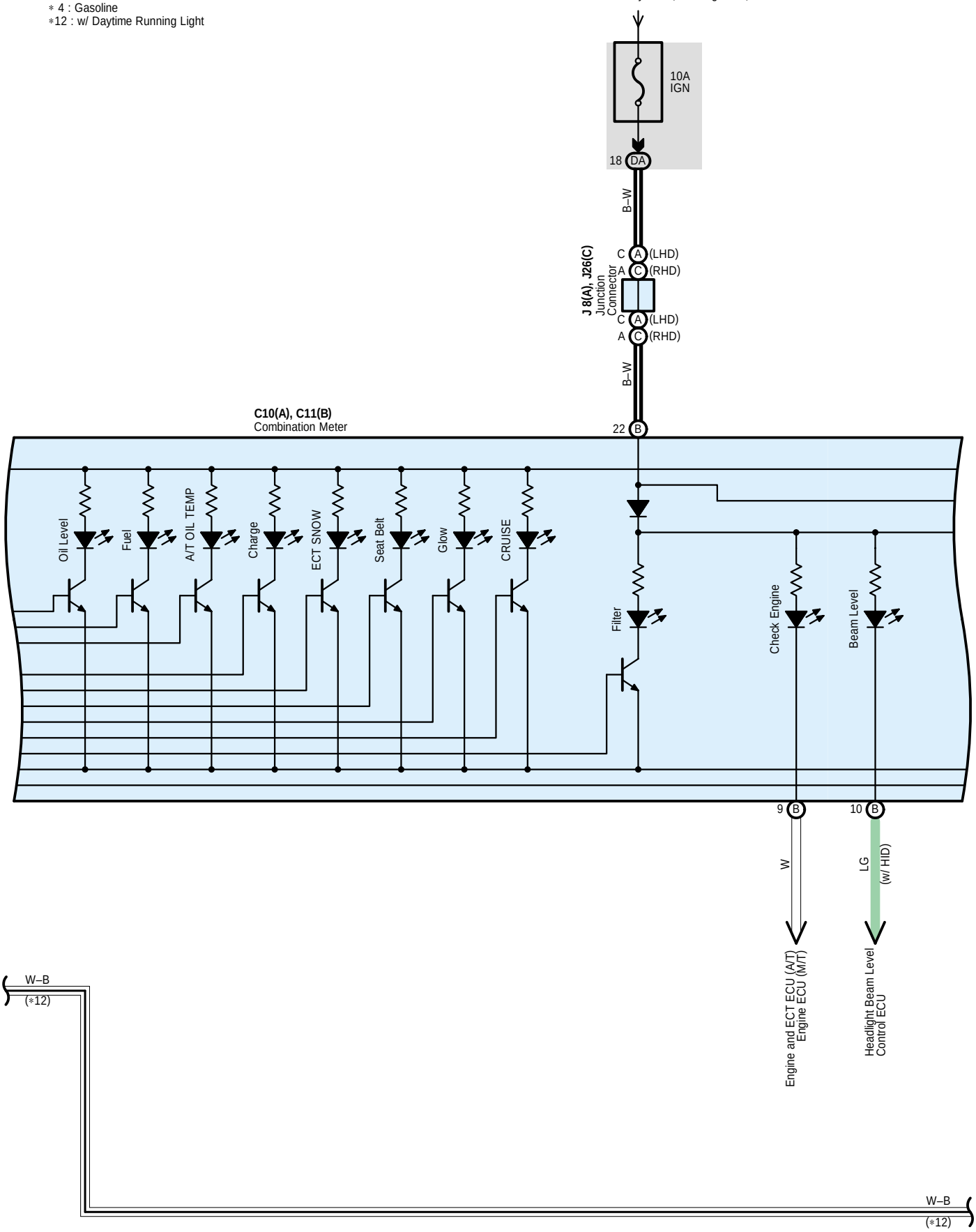
∗ 2 : 1CD–FTV
∗ 4 : Gasoline
∗12 : w/ Daytime Running Light

From Power Source System (See Page 120)



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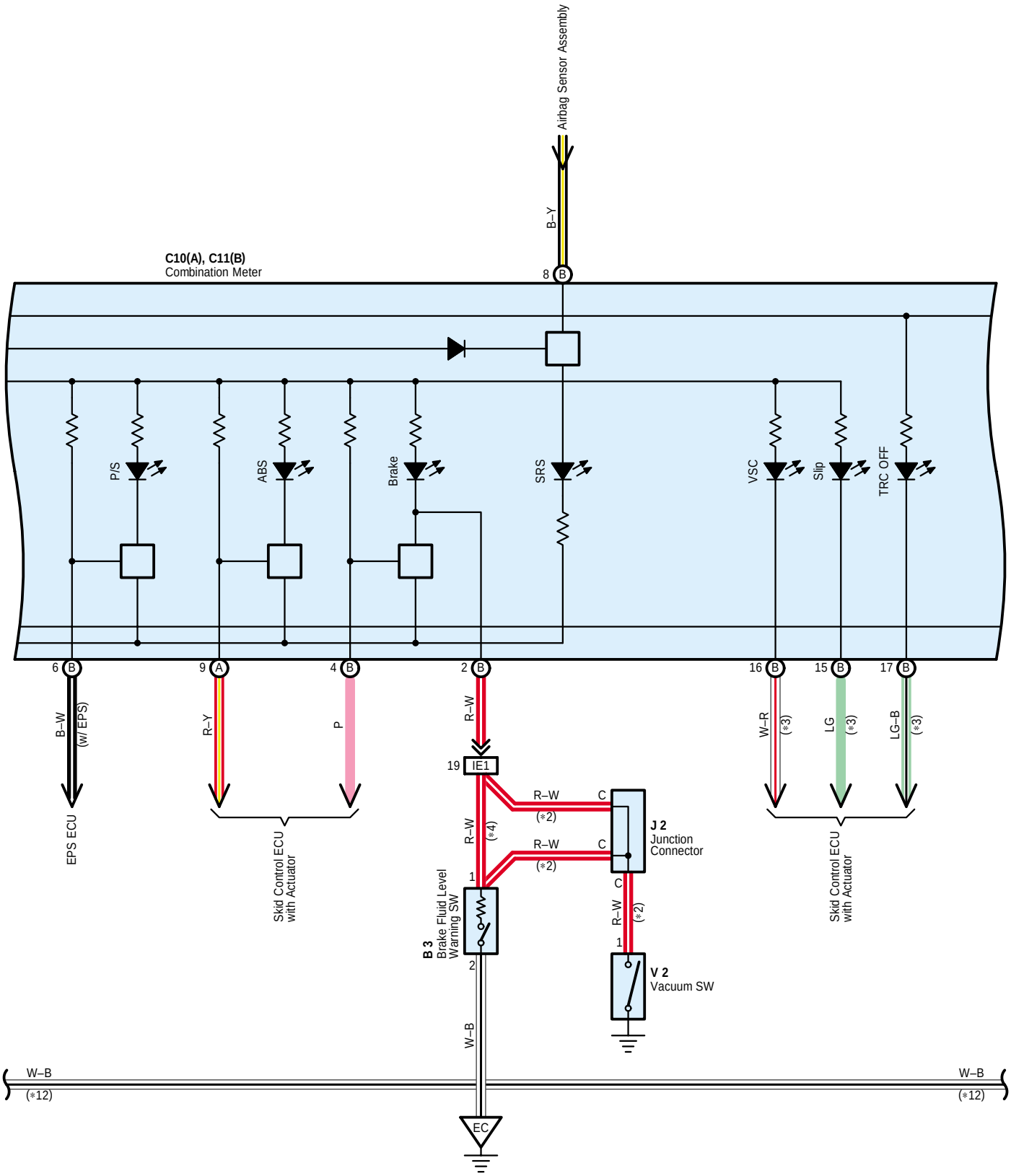
∗ 2 : 1CD–FTV
∗ 3 : w/ VSC
∗ 4 : Gasoline
∗12 : w/ Daytime Running Light
∗13 : w/o Daytime Running Light w/o HID
∗14 : w/o Daytime Running Light w/ HID
∗15 : w/ Daytime Running Light, w/ HID
∗16 : w/ Front Fog Light
∗17 : w/ Rear Fog Light



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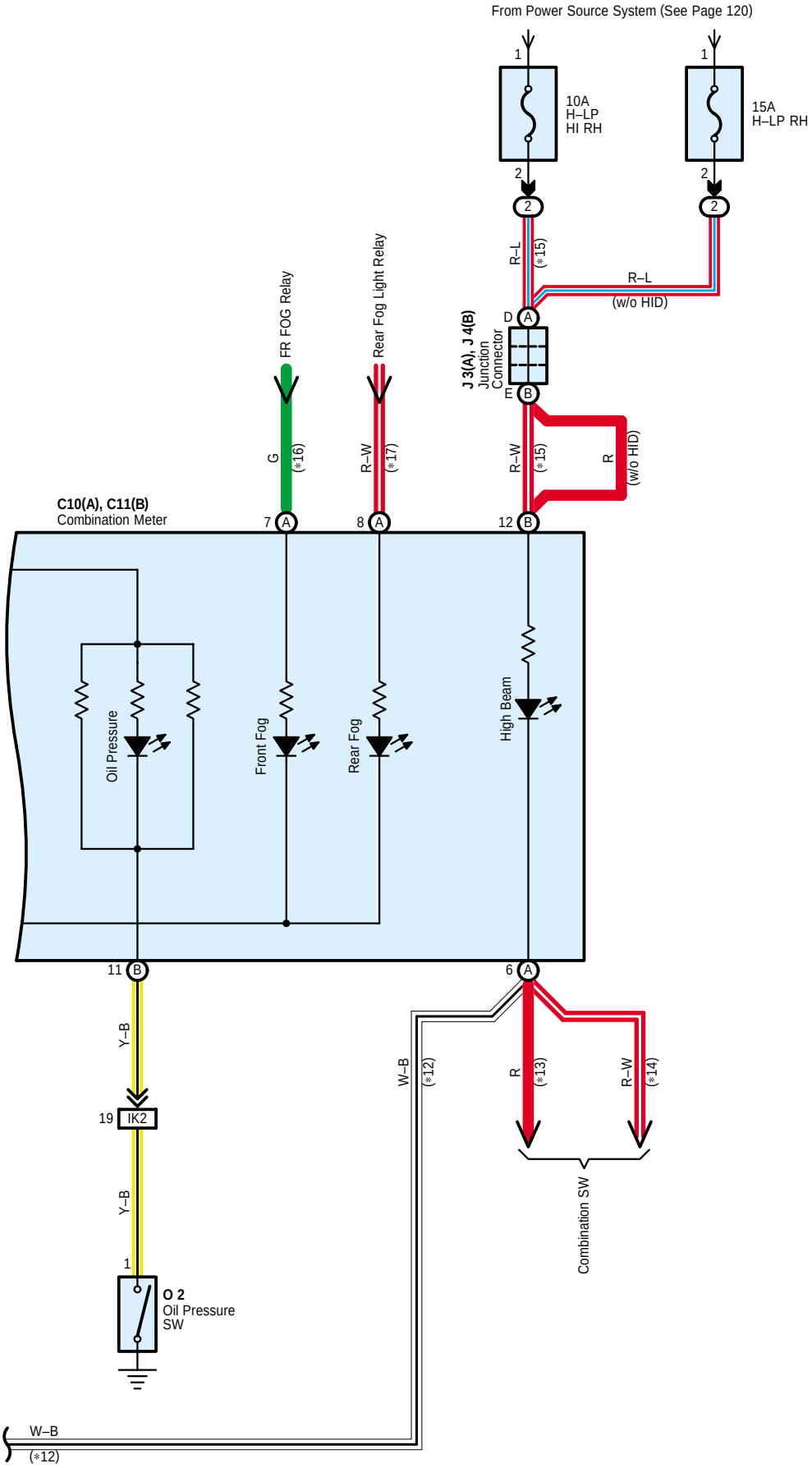
From Power Source System (See Page 120)
1
10A
H–LP
HI RH
2
1
15A
H–LP RH
2
2
2
R–L
(*15)
R–L
(w/o HID)
D
A
J 3(A), J 4(B)
Junction
Connector
E
B
FR FOG Relay
Rear Fog Light Relay
G
(*16)
R–W
(*17)
R–W
(*15)
R
(w/o HID)
C10(A), C11(B)
Combination Meter
7
A
8
A
12
B
Oil Pressure
Front Fog
Rear Fog
High Beam
11
B
6
A
Y–B
19
IK2
Y–B
1
O 2
Oil Pressure
SW
W–B
(*12)
R
(*13)
R–W
(*14)
Combination SW
W–B
(*12)

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Combination Meter

Service Hints

C10 (A), C11 (B) Combination Meter

(A) 2–Ground : Approx. 12 volts with the ignition SW at ACC or ON position
(B) 20–Ground : Always approx. 12 volts
(B) 21–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 6–Ground : Always continuity (w/ daytime running light)
(A) 17–Ground : Always continuity
(B) 5–Ground : Always continuity

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A1		38 (*3)	F25		50 (LHD S/D)	M1	A	68 (RHD)
		40 (*4)			52 (LHD L/B)		B	48 (LHD)
		42 (*5)			54 (LHD W/G)			68 (RHD)
		44 (*6)			70 (RHD S/D)	M6		51 (LHD S/D)
		58 (*7)			72 (RHD L/B)			53 (LHD L/B)
		60 (*8)			74 (RHD W/G)			55 (LHD W/G)
		62 (*9)	H14		47 (LHD)			71 (RHD S/D)
		64 (*10)			67 (RHD)			73 (RHD L/B)
A13	A	46 (LHD)	I14		47 (LHD)			75 (RHD W/G)
		66 (RHD)			67 (RHD)	N3		49 (LHD)
A15	B	46 (LHD)	J2		45 (*6)			69 (RHD)
		66 (RHD)			65 (*10)	O2		39 (*3)
B3		38 (*3)	J3	A	48 (LHD)			41 (*4)
		40 (*4)			68 (RHD)			43 (*5)
		42 (*5)	J4	B	48 (LHD)			45 (*6)
		44 (*6)			68 (RHD)			59 (*7)
		58 (*7)	J8	A	48 (LHD)			61 (*8)
		60 (*8)	J9	B	48 (LHD)			63 (*9)
		62 (*9)	J10	A	48 (LHD)			65 (*10)
		64 (*10)	J11	B	48 (LHD)	S1	A	39 (*3)
C10	A	46 (LHD)	J15		68 (RHD)			45 (*6)
		66 (RHD)	J16		48 (LHD)			59 (*7)
C11	B	46 (LHD)	J17		68 (RHD)			65 (*10)
		66 (RHD)	J20	C	68 (RHD)	S2	B	41 (*4)
E7		44 (*6)	J21	D	68 (RHD)			43 (*5)
		64 (*10)	J26	C	68 (RHD)			45 (*6)
E9	A	47 (LHD)	J27	D	68 (RHD)			61 (*8)
		67 (RHD)	J30		51 (LHD S/D)			63 (*9)
E10	B	47 (LHD)			53 (LHD L/B)			65 (*10)
		67 (RHD)			55 (LHD W/G)	T6		69 (RHD)
E15		47 (LHD)			71 (RHD S/D)	V2		45 (*6)
		67 (RHD)			73 (RHD L/B)			65 (*10)
F14		44 (*6)			75 (RHD W/G)	Z1		49 (LHD)
		64 (*10)	M1	A	48 (LHD)			69 (RHD)

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	
BB1	90 (LHD S/D)	Roof Wire and Roof No.2 Wire (Near the Personal Light)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: **Ground Points**

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EI	84 (*6)	Near the Starter
	104 (*10)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	88 (LHD)	Engine Wire	I3	108 (RHD)	Engine Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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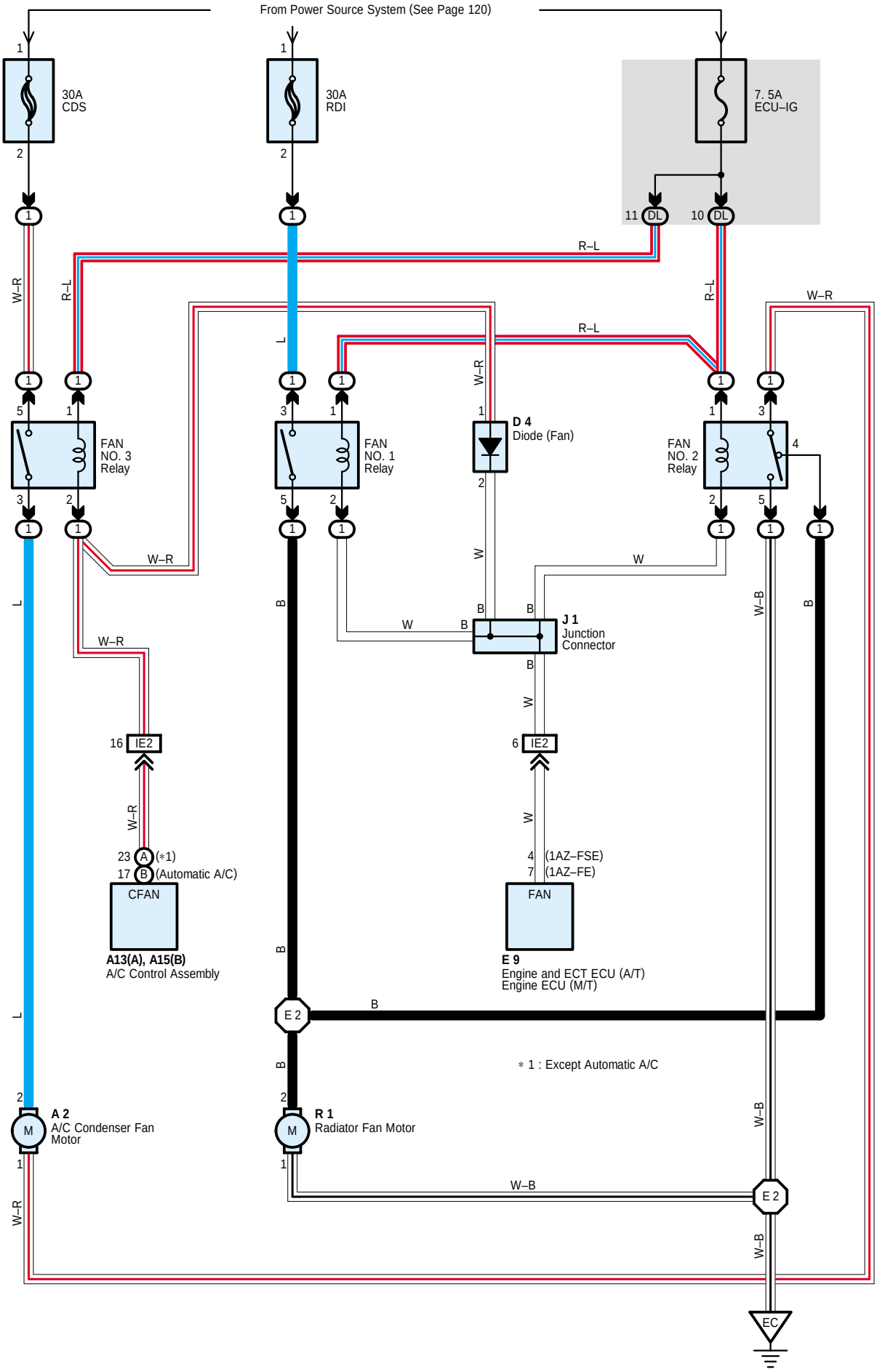
Radiator Fan and Condenser Fan (1AZ–FE, 1AZ–FSE)



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System Outline

The system controls the radiator fan motor in two steps HIGH or LOW, according to the engine coolant temperature and A/C operation condition.

: Parts Location

Code		See Page	Code		See Page	Code	See Page
A2		38 (*3)	A15	B	66 (RHD)	J1	59 (*7)
		40 (*4)	D4		47 (LHD)		61 (*8)
		58 (*7)			67 (RHD)	R1	39 (*3)
		60 (*8)	E9		47 (LHD)		41 (*4)
A13	A	46 (LHD)			67 (RHD)		59 (*7)
		66 (RHD)	J1		39 (*3)		61 (*8)
A15	B	46 (LHD)			41 (*4)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

: Ground Points

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	98 (*7)	
	100 (*8)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	78 (*3)	Engine Room Main Wire	E2	98 (*7)	Engine Room Main Wire
	80 (*4)			100 (*8)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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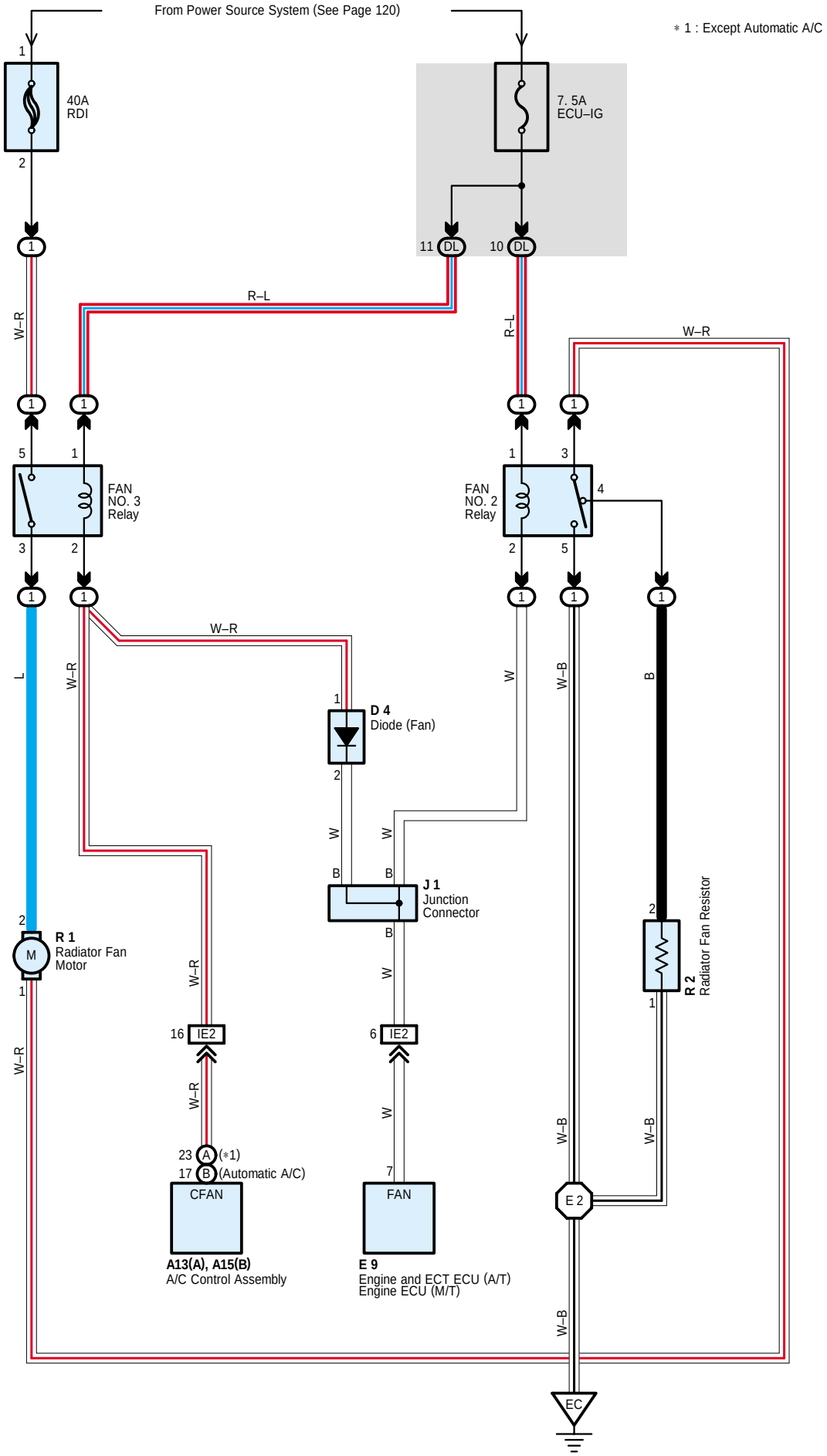
Radiator Fan (1ZZ–FE, 3ZZ–FE)



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System Outline

The system controls the radiator fan motor in two steps HIGH or LOW, according to the engine coolant temperature and A/C operation condition.
The FAN NO.2 relay is turned ON/OFF according to the engine coolant temperature and A/C refrigerant pressure operation condition. This allows the current to flow to the radiator fan resister when the fan speed is LOW, and to the radiator fan motor when HIGH.

: Parts Location

Code		See Page	Code	See Page	Code	See Page
A13	A	46 (LHD)	D4	67 (RHD)	R1	43 (*5)
		66 (RHD)	E9	47 (LHD)		63 (*9)
A15	B	46 (LHD)		67 (RHD)	R2	43 (*5)
		66 (RHD)	J1	43 (*5)		63 (*9)
D4		47 (LHD)		63 (*9)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

: Ground Points

Code	See Page	Ground Points Location
EC	82 (*5)	Engine Compartment Left
	102 (*9)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	82 (*5)	Engine Room Main Wire	E2	102 (*9)	Engine Room Main Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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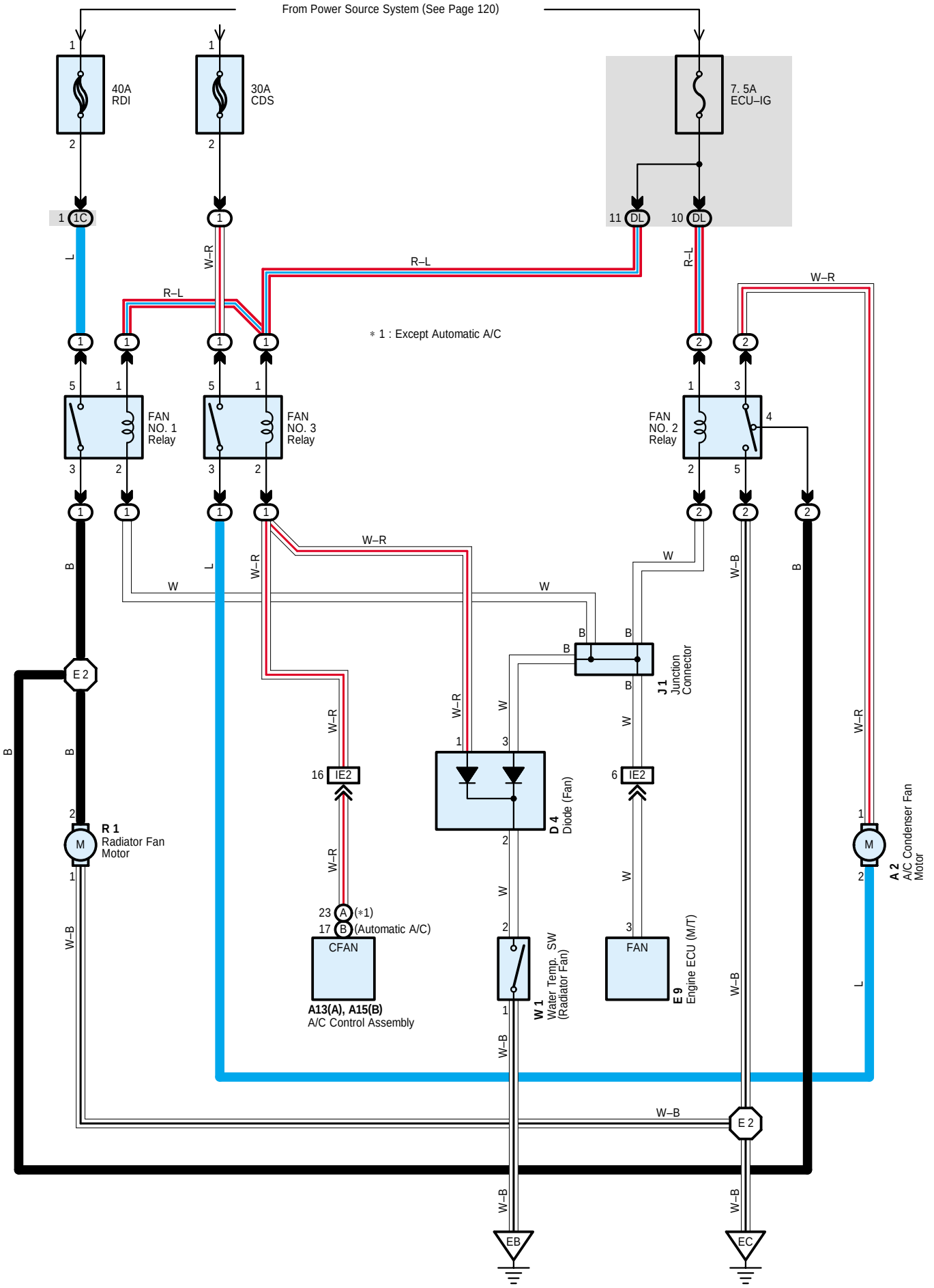
Radiator Fan and Condenser Fan (1CD–FTV)


From Power Source System (See Page 120)
40A
RDI
30A
CDS
7. 5A
ECU–IG
1C
DL
DL
L
W–R
R–L
R–L
R–L
W–R
∗ 1 : Except Automatic A/C
FAN
NO. 1
Relay
FAN
NO. 3
Relay
FAN
NO. 2
Relay
B
W
L
W–R
W
W
W–R
W
W–B
B
B
B
B
J 1
Junction
Connector
E 2
W–R
W–R
W
W
W–R
IE2
IE2
D 4
Diode (Fan)
R 1
Radiator Fan
Motor
W–B
W–B
W–B

System Outline

The system controls the radiator fan motor in two steps HIGH or LOW, according to the engine coolant temperature and A/C operation condition.

: Parts Location

Code		See Page	Code	See Page	Code	See Page
A2		44 (*6)	D4	47 (LHD)	R1	45 (*6)
		64 (*10)		67 (RHD)		65 (*10)
A13	A	46 (LHD)	E9	47 (LHD)	W1	45 (*6)
		66 (RHD)		67 (RHD)		65 (*10)
A15	B	46 (LHD)	J1	45 (*6)		
		66 (RHD)		65 (*10)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	25 (*2)	Engine Room R/B No.1 (Engine Compartment Left)
2	26	Engine Room R/B No.2 (Near the Radiator Fan)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	25 (*2)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

: Ground Points

Code	See Page	Ground Points Location
EB	84 (*6)	Engine Compartment Right
	104 (*10)	
EC	84 (*6)	Engine Compartment Left
	104 (*10)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	84 (*6)	Engine Room Main Wire	E2	104 (*10)	Engine Room Main Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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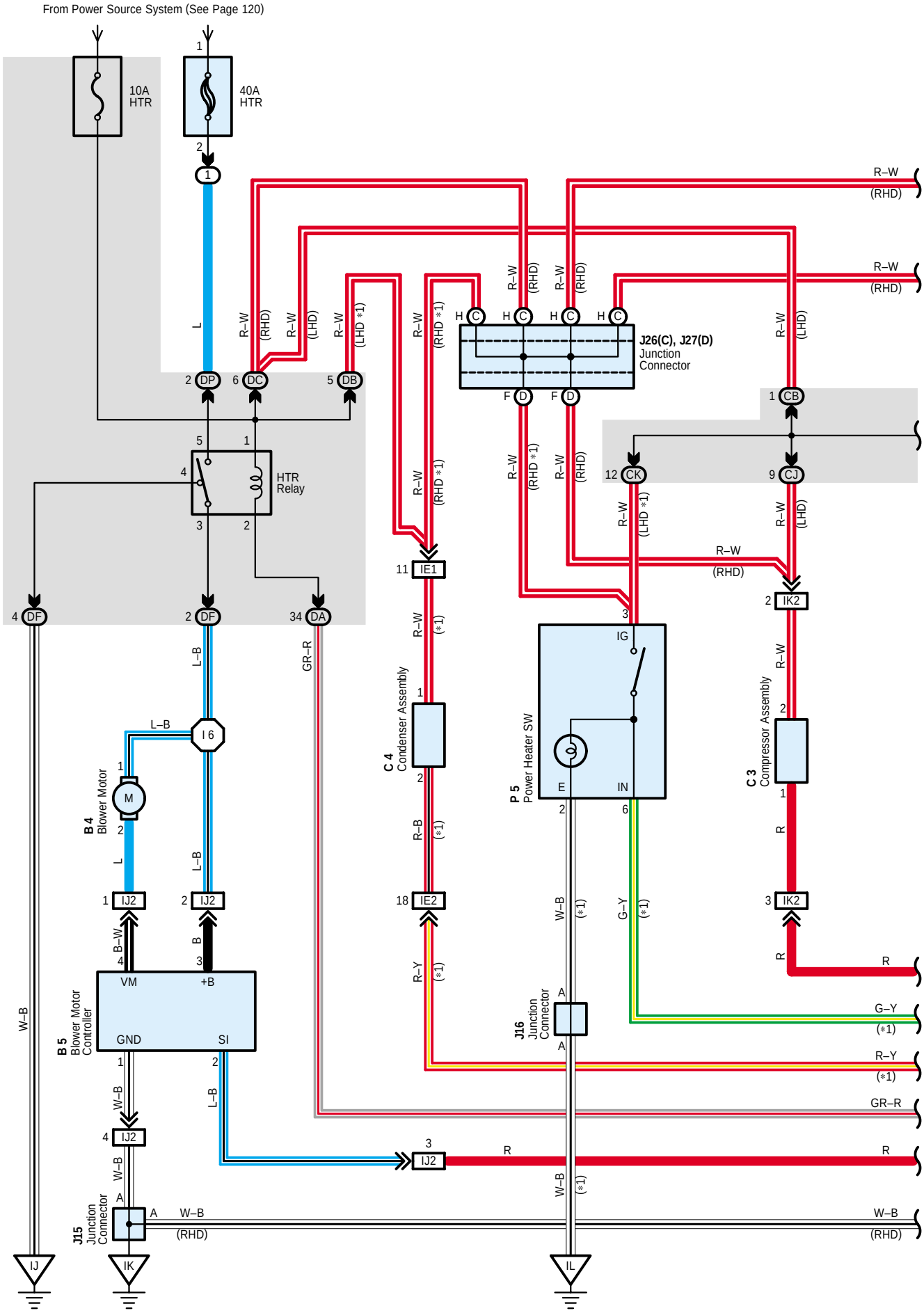
From Power Source System (See Page 120)
10A HTR
40A HTR
HTR Relay
J26(C), J27(D) Junction Connector
B 4 Blower Motor
B 5 Blower Motor Controller
C 4 Condenser Assembly
P 5 Power Heater SW
C 3 Compressor Assembly
J16 Junction Connector
J15 Junction Connector
R–W (RHD)
R–W (LHD)
R–W (RHD *1)
R–W (LHD *1)
L–B
GR–R
W–B
B–W
R–B
R–Y
G–Y
R
L
(*1)
(RHD)

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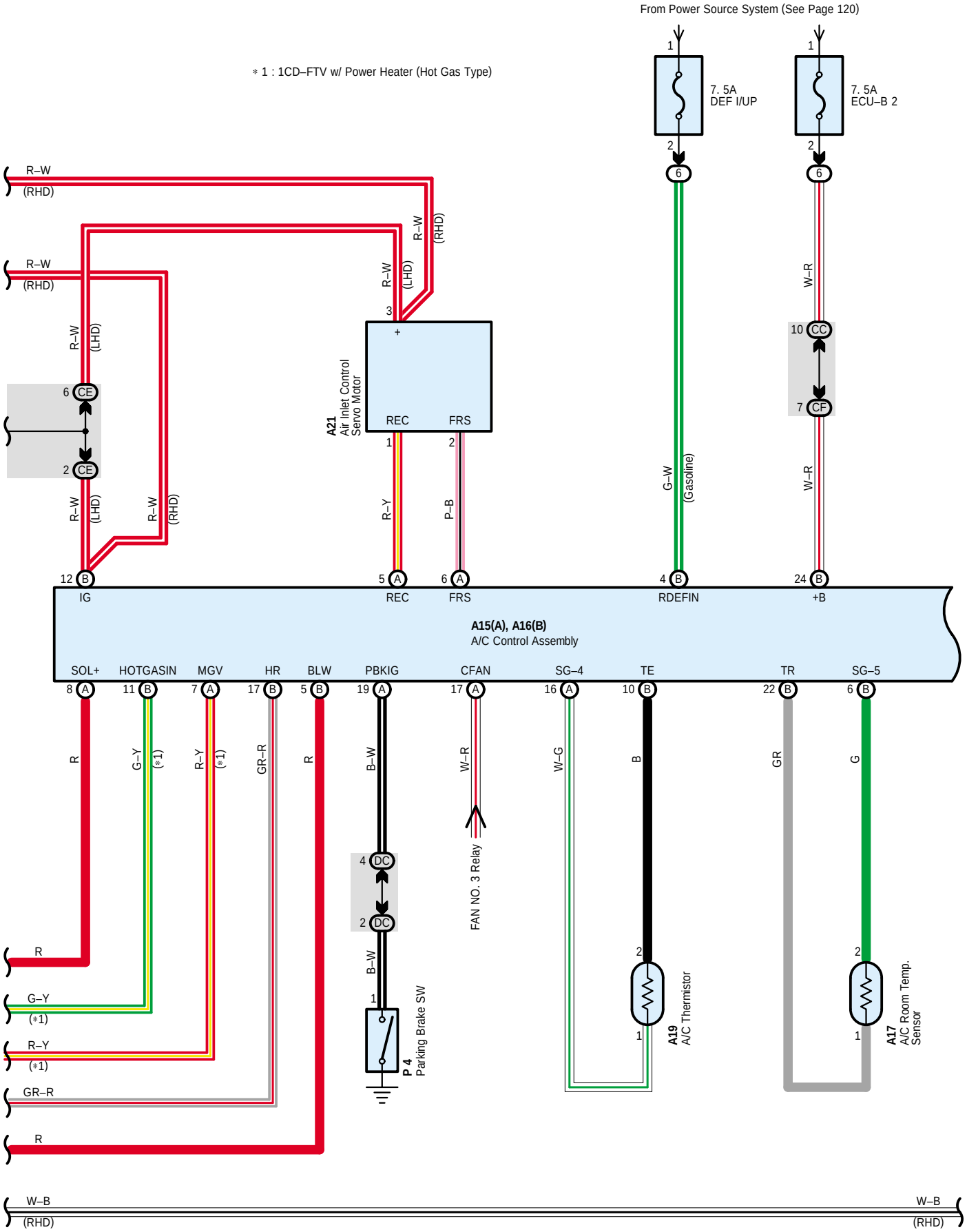
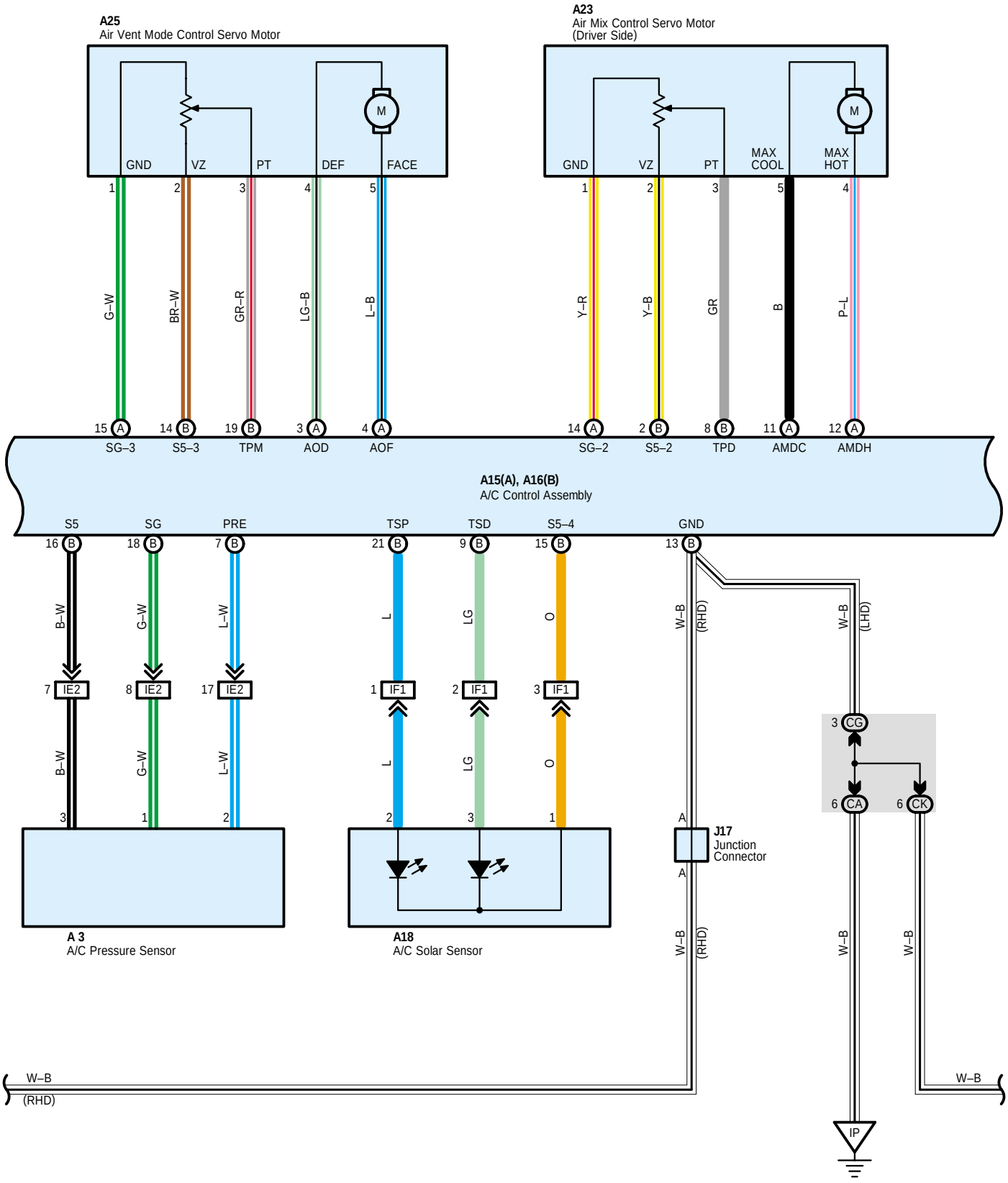
Power Heater (Hot Gas Type Automatic A/C)



http://vnx.su


A25
Air Vent Mode Control Servo Motor
GND
VZ
PT
DEF
FACE
M
1
2
3
4
5
G–W
BR–W
GR–R
LG–B
L–B
15 A
14 B
19 B
3 A
4 A
SG–3
S5–3
TPM
AOD
AOF
A23
Air Mix Control Servo Motor
(Driver Side)
GND
VZ
PT
MAX COOL
MAX HOT
M
1
2
3
5
4
Y–R
Y–B
GR
B
P–L
14 A
2 B
8 B
11 A
12 A
SG–2
S5–2
TPD
AMDC
AMDH
A15(A), A16(B)
A/C Control Assembly
S5
SG
PRE
TSP
TSD
S5–4
GND
16 B
18 B
7 B
21 B
9 B
15 B
13 B
B–W
G–W
L–W
L
LG
O
W–B
(RHD)
W–B
(LHD)
7 IE2
8 IE2
17 IE2
1 IF1
2 IF1
3 IF1
3 CG
6 CA
6 CK
3
1
2
2
3
1
A
A
J17
Junction Connector
A 3
A/C Pressure Sensor
A18
A/C Solar Sensor
W–B
(RHD)
W–B
W–B
IP

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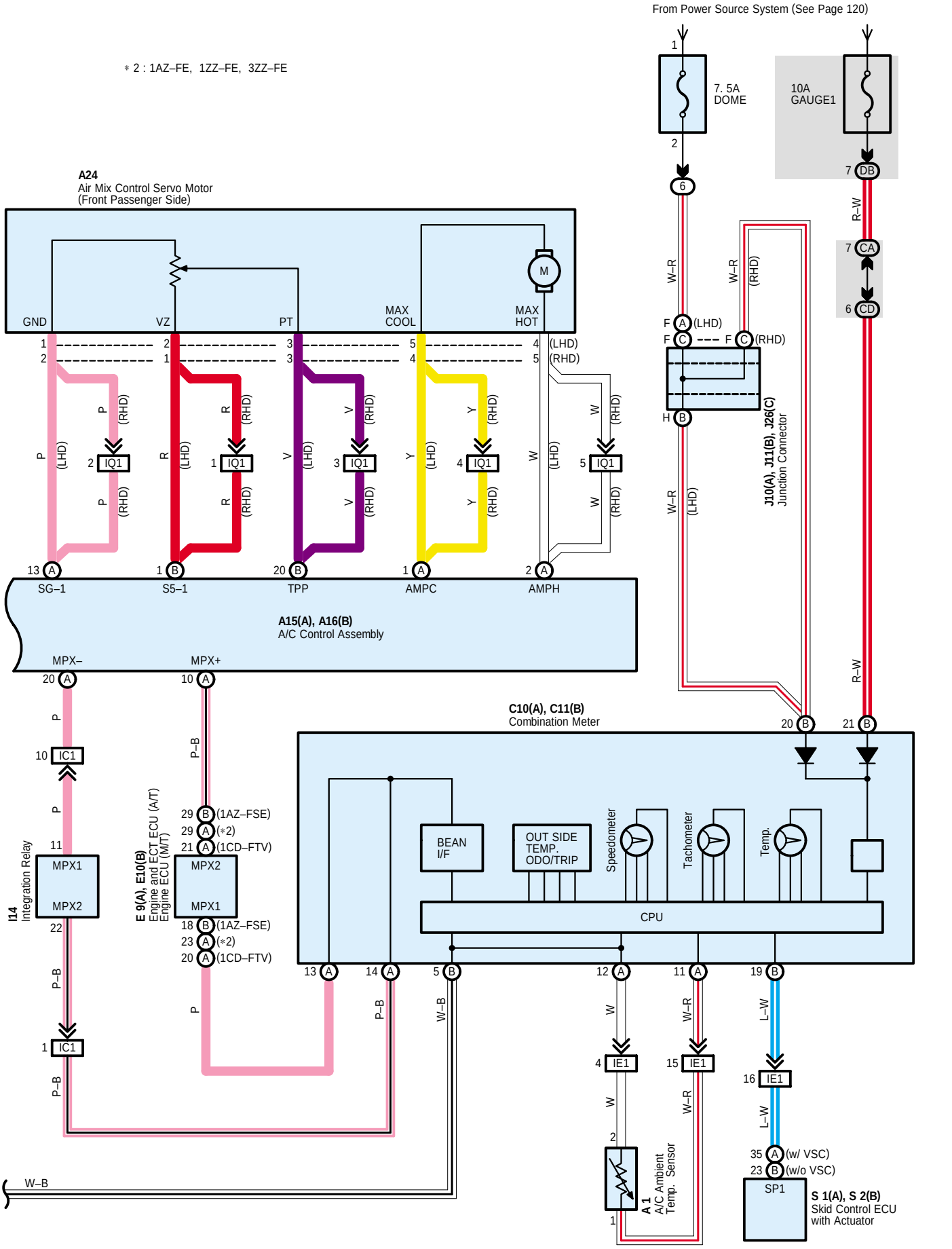
Power Heater (Hot Gas Type Automatic A/C)



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System Outline

1. Heater Blower Operation

(Manual operation)
When the blower speed is set to a certain level using the blower control SW, the A/C control assembly sends the signals to the blower control to control the blower motor speed.
(Auto operation)
When the auto SW is turned on, the A/C control assembly sends the signals from various sensors and temperature SW to the blower control to automatically control the blower motor speed.

2. Air inlet Control Servo Motor Control

When the FRESH/RECIRC select SW is set to RECIRC, the motor in the air inlet control servo motor starts rotating to move the damper toward the RECIRC side. The motor is continuously rotates until the damper reaches its stop position. When the FRESH/RECIRC select SW is set to FRESH, the motor in the air inlet control servo motor starts rotating to move the damper toward the FRESH side. The motor is continuously rotated until the damper reaches its stop position. However, when the mode SW is at DEF position, forcibly the air intake is set to FRESH mode.

3. Air Vent Mode Control Servo Motor Control

(Manual operation)
If the mode select SW is operated, the A/C control assembly is controlled to operate the air vent mode control servo motor and the positions of outlets change among FACE, BI–LEVEL, FOOT, FOOT/DEF and DEF.
(Auto operation)
When the AUTO SW is turned on, the A/C control assembly selects the best position of the outlet according to the signals from various sensors and operates the air vent mode control servo motor to change the outlet position among FACE, BI–LEVEL, FOOT and FOOT/DEF.

4. Air Mix Control Servo Motor Control

According to the signals from various sensors, the A/C control assembly operates the air mix control servo motor and sets the blowoff temperature to the most appropriate degree in order to adjust the temperature to the desired degree set by the temperature control SW.
(When the DUAL switch is turned ON)
The system can provide independent air temperature control on the right and left sides. The temperature control switch for each of the driver's and passenger's sides independently controls air at the set temperature.
(When the DUAL switch is turned OFF)
The system controls air at the temperature set by the temperature control switch for the driver's side.

5. Air Conditioning Operation

The A/C control assembly receives various signals, I.E., the engine RPM from the engine and ECT ECU (A/T) or engine ECU (M/T), out side air temperature signal from the A/C ambient temp. sensor and coolant temperature from the engine and ECT ECU (A/T) or engine ECU (M/T), etc.
When the engine is started and the A/C SW (A/C control assembly) is on, a signal is input to the A/C control assembly.

6. Hot Gas Operation (1CD–FTV)

This function uses air conditioner parts to radiate heat through an evaporator during air compression by the compressor.
Hot gas operation takes place when any of the following conditions is met:

* The power heater SW is turned on.
* The FRESH/RECIRC select SW is set to FRESH.
* The blower SW is turned on.
* The outside temperature is 0 °C or below.
* The water temperature is 70 °C or below
* MAX HOT

Service Hints

A16 (B) A/C Control Assembly

+B–Ground : Always approx. 12 volts
IG–Ground : Approx. 12 volts with ignition SW at ON position
GND–Ground : Always continuity

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Power Heater (Hot Gas Type Automatic A/C)

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A1	38 (*3)	A23	46 (LHD)	E10 B	67 (RHD)
	40 (*4)		66 (RHD)	I14	47 (LHD)
	42 (*5)	A24	46 (LHD)		67 (RHD)
	44 (*6)		66 (RHD)	J10 A	48 (LHD)
	58 (*7)	A25	46 (LHD)	J11 B	48 (LHD)
	62 (*9)		66 (RHD)	J15	48 (LHD)
	64 (*10)	B4	46 (LHD)		68 (RHD)
A3	38 (*3)		66 (RHD)	J16	48 (LHD)
	40 (*4)	B5	46 (LHD)		68 (RHD)
	42 (*5)		66 (RHD)	J17	48 (LHD)
	44 (*6)	C3	38 (*3)		68 (RHD)
	58 (*7)		40 (*4)	J26 C	68 (RHD)
	62 (*9)		42 (*5)	J27 D	68 (RHD)
	64 (*10)		44 (*6)	P4	49 (LHD)
A15 A	46 (LHD)		58 (*7)		69 (RHD)
	66 (RHD)		62 (*9)	P5	49 (LHD)
A16 B	46 (LHD)		64 (*10)		69 (RHD)
	66 (RHD)	C4	44 (*6)	S1 A	39 (*3)
A17	46 (LHD)		64 (*10)		45 (*6)
	66 (RHD)	C10 A	46 (LHD)		59 (*7)
A18	46 (LHD)		66 (RHD)		65 (*10)
	66 (RHD)	C11 B	46 (LHD)	S2 B	41 (*4)
A19	46 (LHD)		66 (RHD)		43 (*5)
	66 (RHD)	E9 A	47 (LHD)		45 (*6)
A21	46 (LHD)		67 (RHD)		63 (*9)
	66 (RHD)	E10 B	47 (LHD)		65 (*10)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
CG	35	
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DF		
DP	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IF1	88 (LHD)	Instrument Panel Wire and A/C Sub Wire No.1 (Left Side of the Combination Meter)
	106 (RHD)	Instrument Panel Wire and A/C Sub Wire No.1 (Right Side of the Combination Meter)
IJ2	88 (LHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
	108 (RHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)
IK2	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IQ1	108 (RHD)	Instrument Panel Wire and A/C Sub Wire No.3 (Behind the Glove Box)

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
	106 (RHD)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	88 (LHD)	Instrument Panel Wire	I6	108 (RHD)	Instrument Panel Wire

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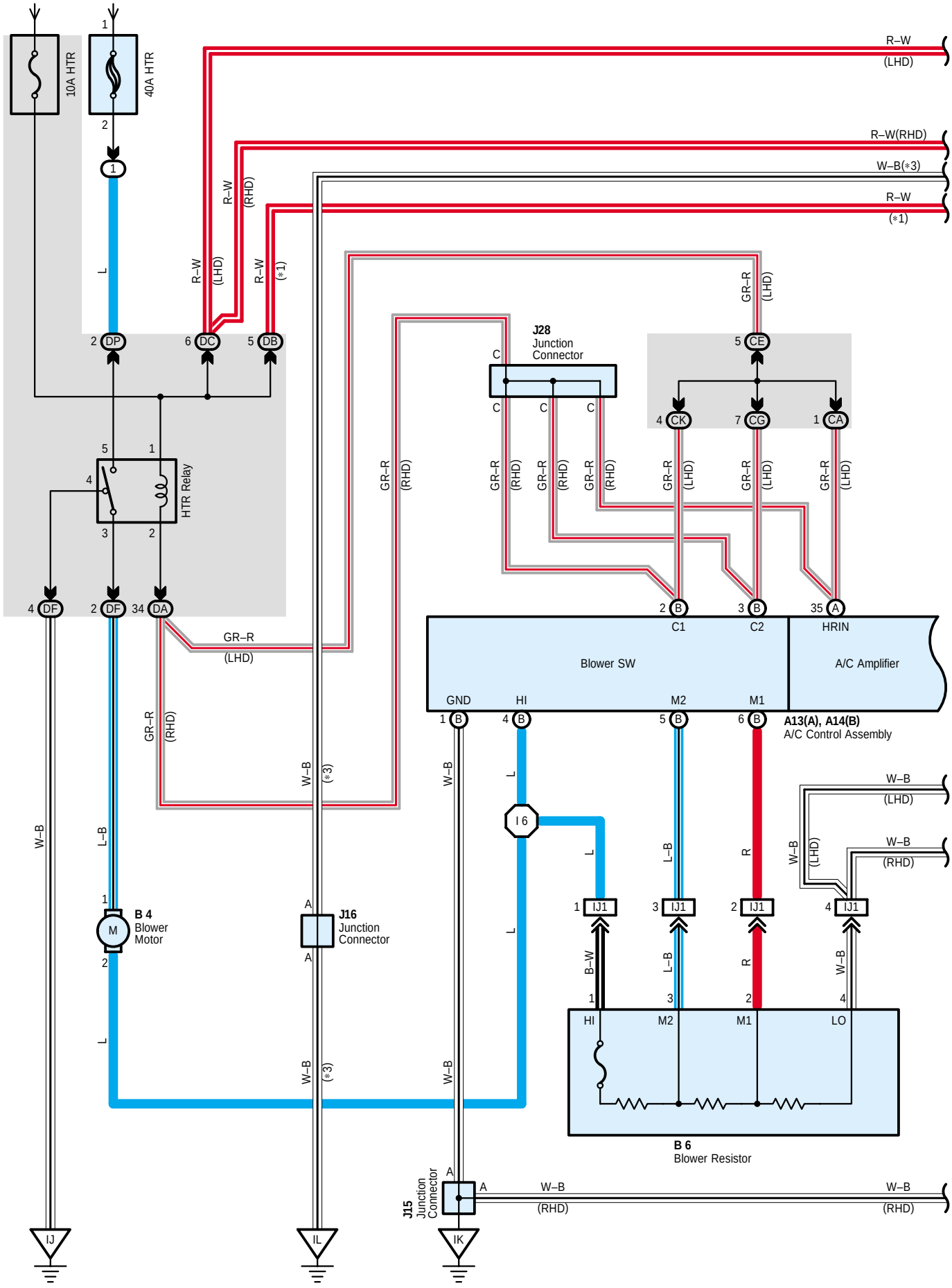
Air Conditioner (Manual A/C) and

From Power Source System (See Page 120)



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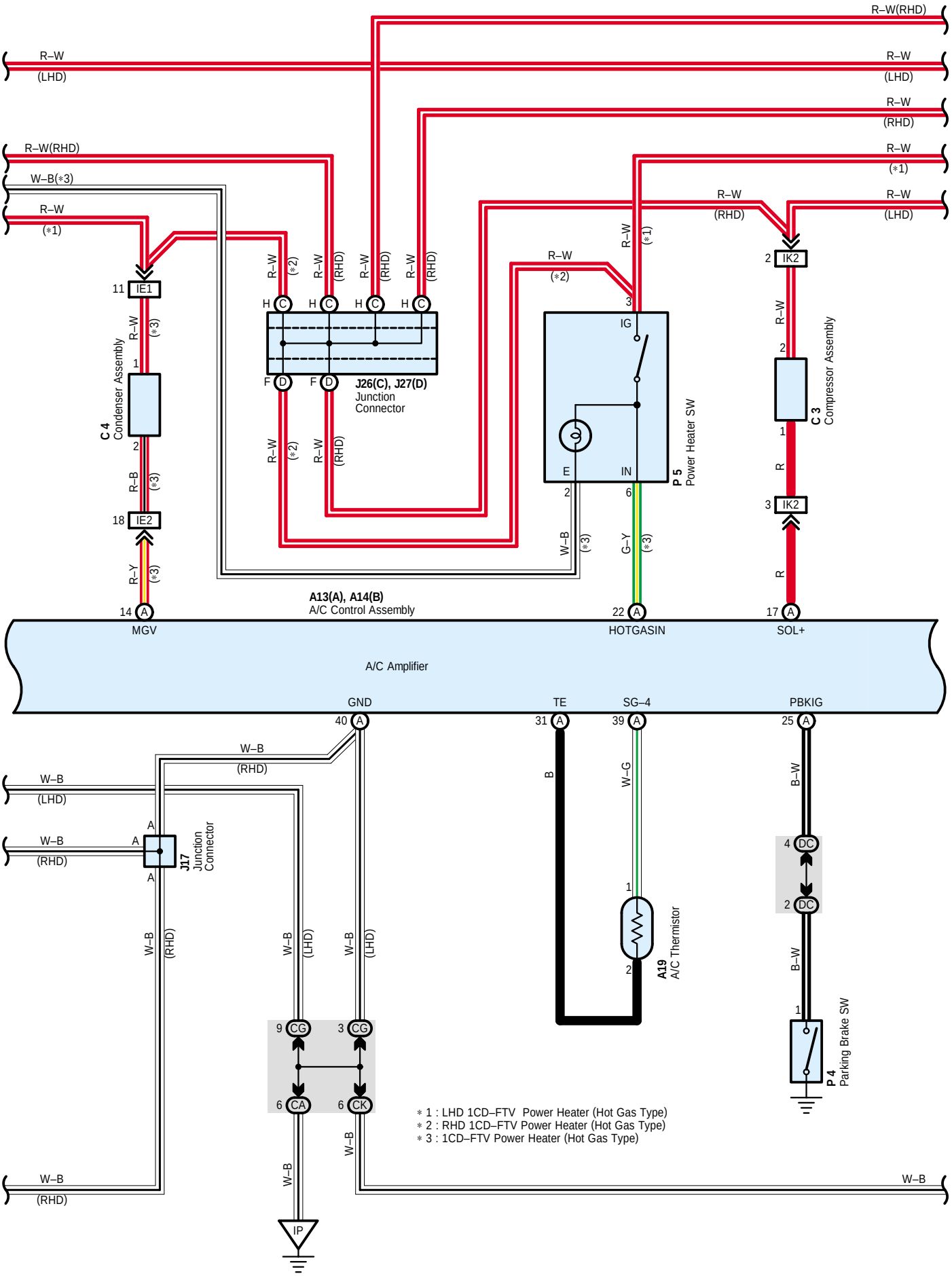
Power Heater (Hot Gas Type Manual A/C)



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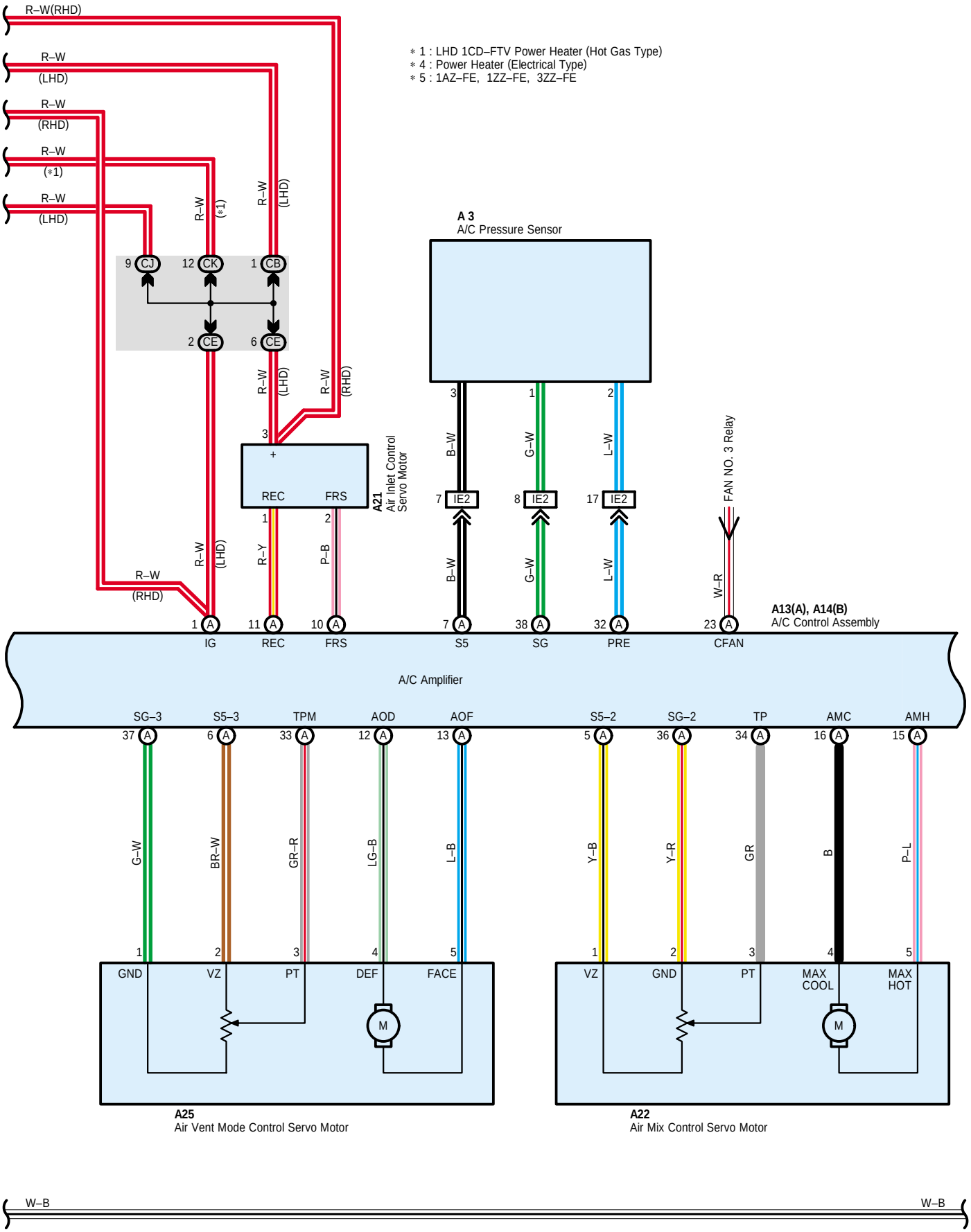
R–W(RHD)
R–W (LHD)
R–W (RHD)
R–W (*1)
R–W (LHD)
* 1 : LHD 1CD–FTV Power Heater (Hot Gas Type)
* 4 : Power Heater (Electrical Type)
* 5 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
A 3
A/C Pressure Sensor
A21
Air Inlet Control Servo Motor
REC
FRS
FAN NO. 3 Relay
A13(A), A14(B)
A/C Control Assembly
A/C Amplifier
IG
REC
FRS
S5
SG
PRE
CFAN
SG–3
S5–3
TPM
AOD
AOF
S5–2
SG–2
TP
AMC
AMH
GND
VZ
PT
DEF
FACE
MAX COOL
MAX HOT
A25
Air Vent Mode Control Servo Motor
A22
Air Mix Control Servo Motor
W–B
W–B

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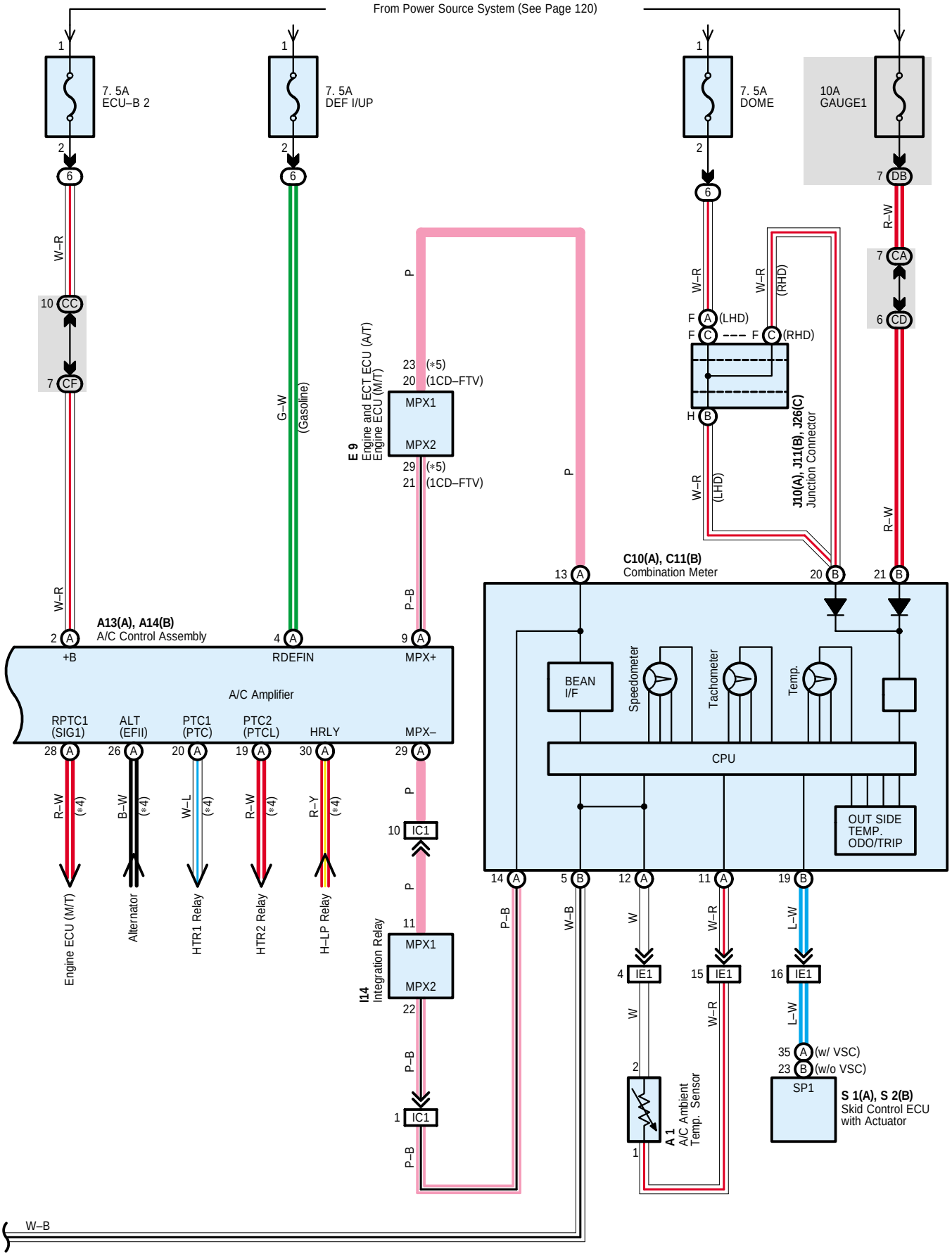
Power Heater (Hot Gas Type Manual A/C)



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System Outline

1. Heater Blower Motor Operation

Current is applied at all times through the HTR (40A) fuse to TERMINAL 5 of the HTR relay.
When the ignition SW is turned on, current flows through the HTR (10A) fuse to TERMINAL 1 of the HTR relay to TERMINAL 2 to TERMINAL (B) 2 or (B) 3 of the A/C control assembly.

* Low speed operation
  When the blower SW is moved to LO position, the current to TERMINAL (B) 2 of the A/C control assembly flows to TERMINAL (B) 1 to GROUND, causing the HTR relay is turned on. This causes the current to flow from the HTR (40A) fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 1 of the blower resistor to TERMINAL 4 to GROUND, causing the blower motor to rotate at low speed.

* Medium speed operation (Operation at M1, M2)
  When the blower SW is moved to M1 position, the current to TERMINAL (B) 2 of the A/C control assembly flows to TERMINAL (B) 1 to GROUND, turns the HTR relay on. This causes the current to flow from the HTR (40A) fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 1 of the blower resistor to TERMINAL 2 to TERMINAL (B) 6 of the A/C control assembly to TERMINAL (B) 1 to GROUND. At this time, the blower resistance of the blower resistor is less than at low speed, so the blower motor rotates at medium low speed.
  When the blower SW is moved to M2 position, the current to TERMINAL (B) 3 of the A/C control assembly flows to TERMINAL (B) 1 to GROUND, turns the HTR relay on. This causes the current to flow from the HTR (40A) fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 1 of the blower resistor to TERMINAL 3 to TERMINAL (B) 5 of the A/C control assembly to TERMINAL (B) 1 to GROUND. At this time, resistance of the blower resistor is less than at M1 position, so the blower motor rotates at medium high speed.

* High speed operation
  When the blower SW is moved to HI position, the current flows to TERMINAL (B) 3 of the A/C control assembly to TERMINAL (B) 1 to GROUND and turns the HTR relay on.
  This causes the current to flow from the HTR (40A) fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL (B) 4 of the A/C control assembly to TERMINAL (B) 1 to GROUND, causing the blower motor to rotate at high speed.

2. Air Inlet Control Servo Motor Control

When the FRESH/RECIRC select SW is set to RECIRC, the motor in the air inlet control servo motor starts rotating to move the damper toward the RECIRC side. The motor is continuously rotates until the damper reaches its stop position. When the FRESH/RECIRC select SW is set to FRESH, the motor in the air inlet control servo motor starts rotating to move the damper toward the FRESH side. The motor is continuously rotated until the damper reaches its stop position. However, when the mode SW is at DEF position, forcibly the air intake is set to FRESH mode.

3. Air Vent Mode Control Servo Motor Control

If the mode select SW is operated, the A/C control assembly is controlled to operate the air vent mode control servo motor and the positions of outlets change among FACE, BI–LEVEL, FOOT, FOOT/DEF and DEF.

4. Air Mix Control Servo Motor Control

According to the signals from various sensors, the A/C control assembly operates the air mix control servo motor and sets the blowoff temperature to the most appropriate degree in order to adjust the temperature to the desired degree set by the temperature control SW.

5. Air Conditioning Operation

If the A/C control SW is turned on when the blower SW is set to on, A/C operation starts.

6. Hot Gas Operation (1CD–FTV)

This function uses air conditioner parts to radiate heat through an evaporator during air compression by the compressor.
Hot gas operation takes place when any of the following conditions is met:

* The power heater SW is turned on.
* The FRESH/RECIRC select SW is set to FRESH.
* The blower SW is turned on.
* The outside temperature is 0 ˚C or below.
* The water temperature is 70 ˚C or below
* MAX HOT

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Power Heater (Hot Gas Type Manual A/C)

Service Hints

A13 (A), A14 (B) A/C Control Assembly

(A) 40–Ground : Always continuity
(A) 1, (A) 35, (B) 2, (B) 3–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 2–Ground : Always approx. 12 volts

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A1	40 (*4)	A25	66 (RHD)	J15	48 (LHD)
	42 (*5)	B4	46 (LHD)		68 (RHD)
	44 (*6)		66 (RHD)	J16	48 (LHD)
	60 (*8)	B6	46 (LHD)		68 (RHD)
	62 (*9)		66 (RHD)	J17	48 (LHD)
	64 (*10)	C3	40 (*4)		68 (RHD)
A3	40 (*4)		42 (*5)	J26 C	68 (RHD)
	42 (*5)		44 (*6)	J27 D	68 (RHD)
	44 (*6)		60 (*8)	J28	68 (RHD)
	60 (*8)		62 (*9)	P4	49 (LHD)
	62 (*9)		64 (*10)		69 (RHD)
	64 (*10)	C4	44 (*6)	P5	49 (LHD)
A13 A	46 (LHD)		64 (*10)		69 (RHD)
	66 (RHD)	C10 A	46 (LHD)	S1 A	45 (*6)
A14 B	46 (LHD)		66 (RHD)		65 (*10)
	66 (RHD)	C11 B	46 (LHD)	S2 B	41 (*4)
A19	46 (LHD)		66 (RHD)		43 (*5)
	66 (RHD)	E9	47 (LHD)		45 (*6)
A22	46 (LHD)		67 (RHD)		61 (*8)
	66 (RHD)	I14	47 (LHD)		63 (*9)
A23	46 (LHD)		67 (RHD)		65 (*10)
	66 (RHD)	J10 A	48 (LHD)		
A25	46 (LHD)	J11 B	48 (LHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
CG	35	
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DF		
DP	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IJ1	88 (LHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
	108 (RHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)
IK2	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
	106 (RHD)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	88 (LHD)	Instrument Panel Wire	I6	108 (RHD)	Instrument Panel Wire

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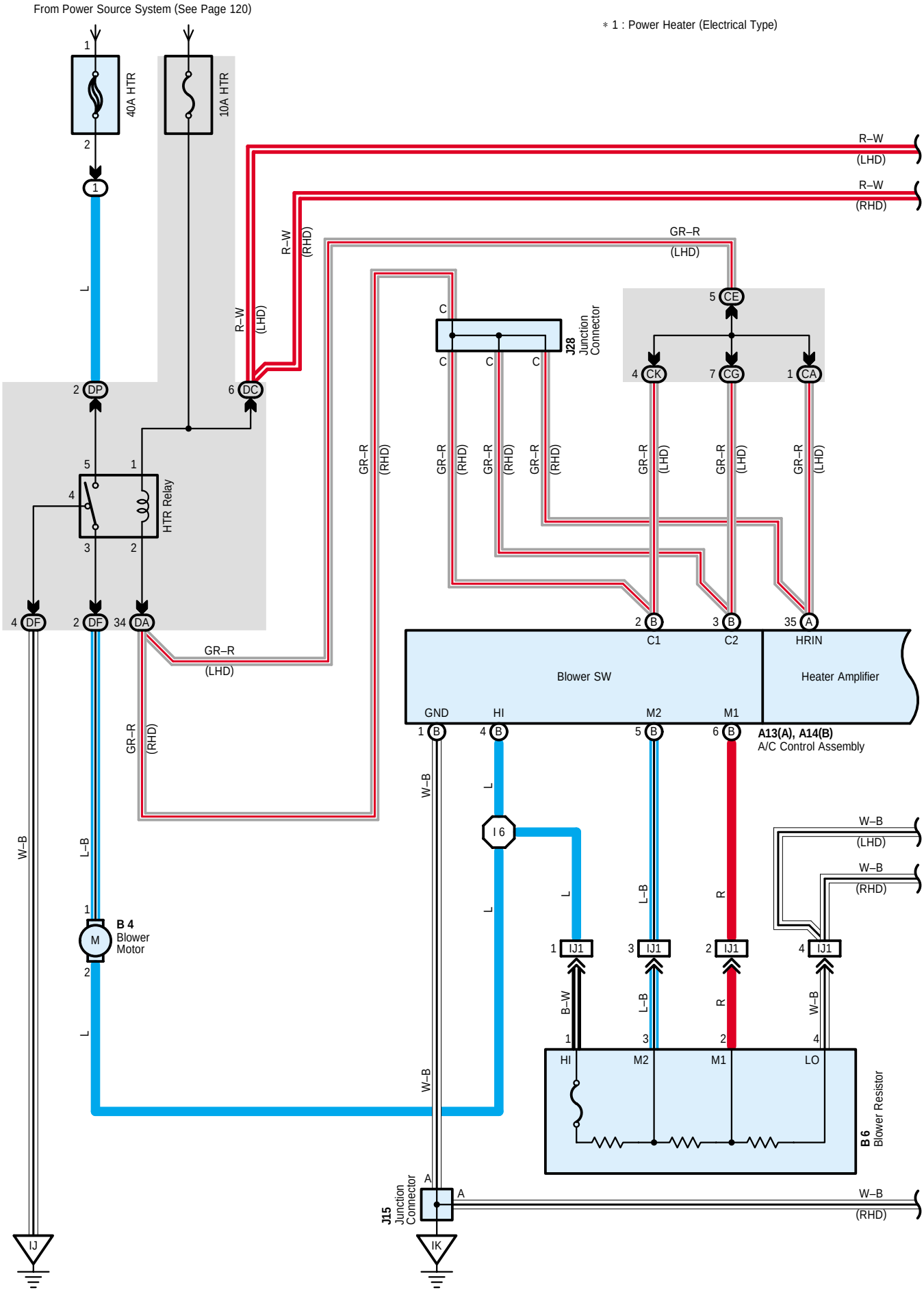
Heater



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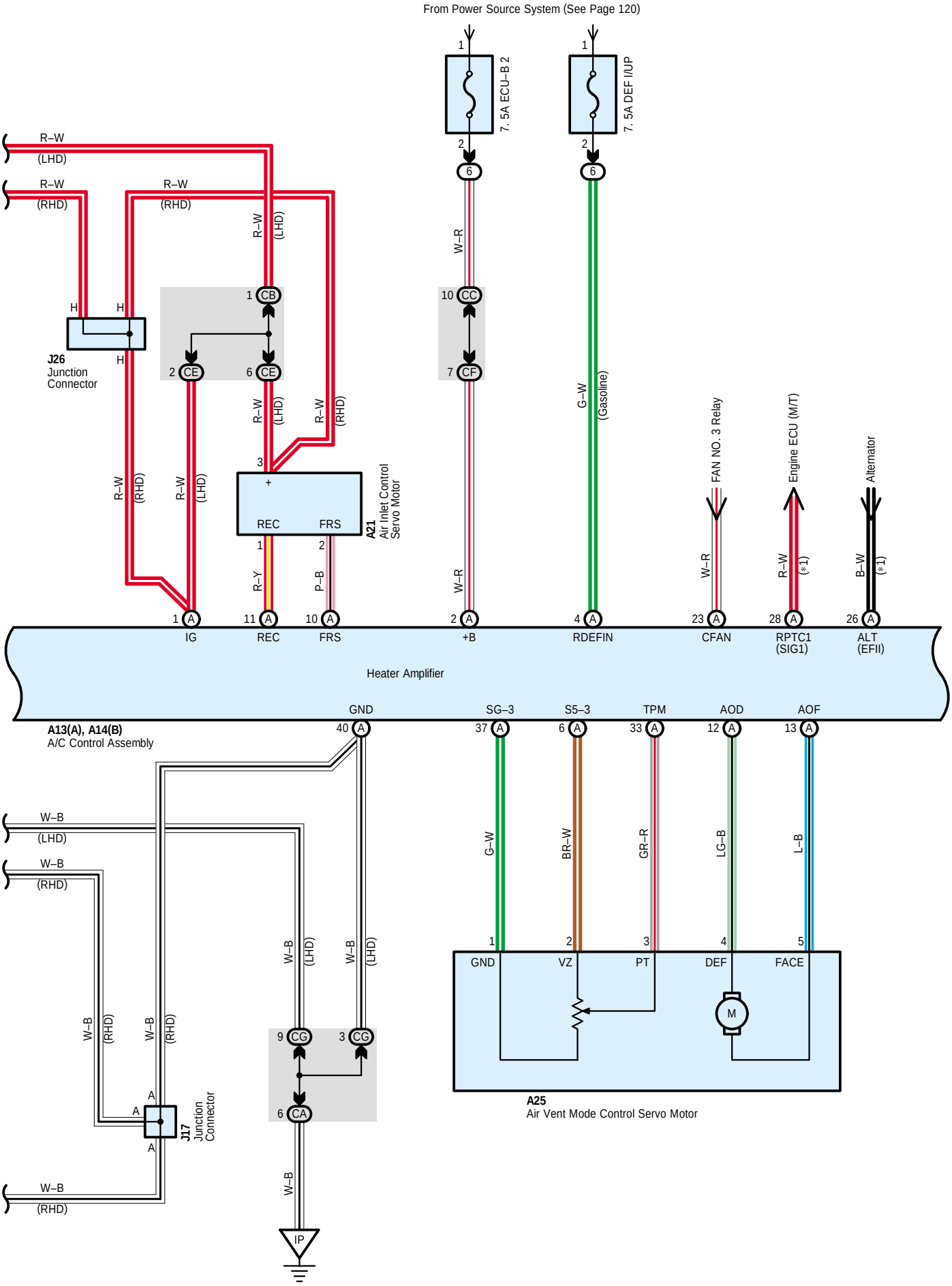
From Power Source System (See Page 120)
7. 5A ECU–B 2
7. 5A DEF I/UP
R–W (LHD)
R–W (RHD)
J26 Junction Connector
A21 Air Inlet Control Servo Motor
REC
FRS
W–R
G–W (Gasoline)
FAN NO. 3 Relay
Engine ECU (M/T)
Alternator
R–W (*1)
B–W (*1)
IG
REC
FRS
+B
RDEFIN
CFAN
RPTC1 (SIG1)
ALT (EFII)
Heater Amplifier
GND
SG–3
S5–3
TPM
AOD
AOF
A13(A), A14(B) A/C Control Assembly
W–B (LHD)
W–B (RHD)
J17 Junction Connector
IP
G–W
BR–W
GR–R
LG–B
L–B
VZ
PT
DEF
FACE
M
A25 Air Vent Mode Control Servo Motor

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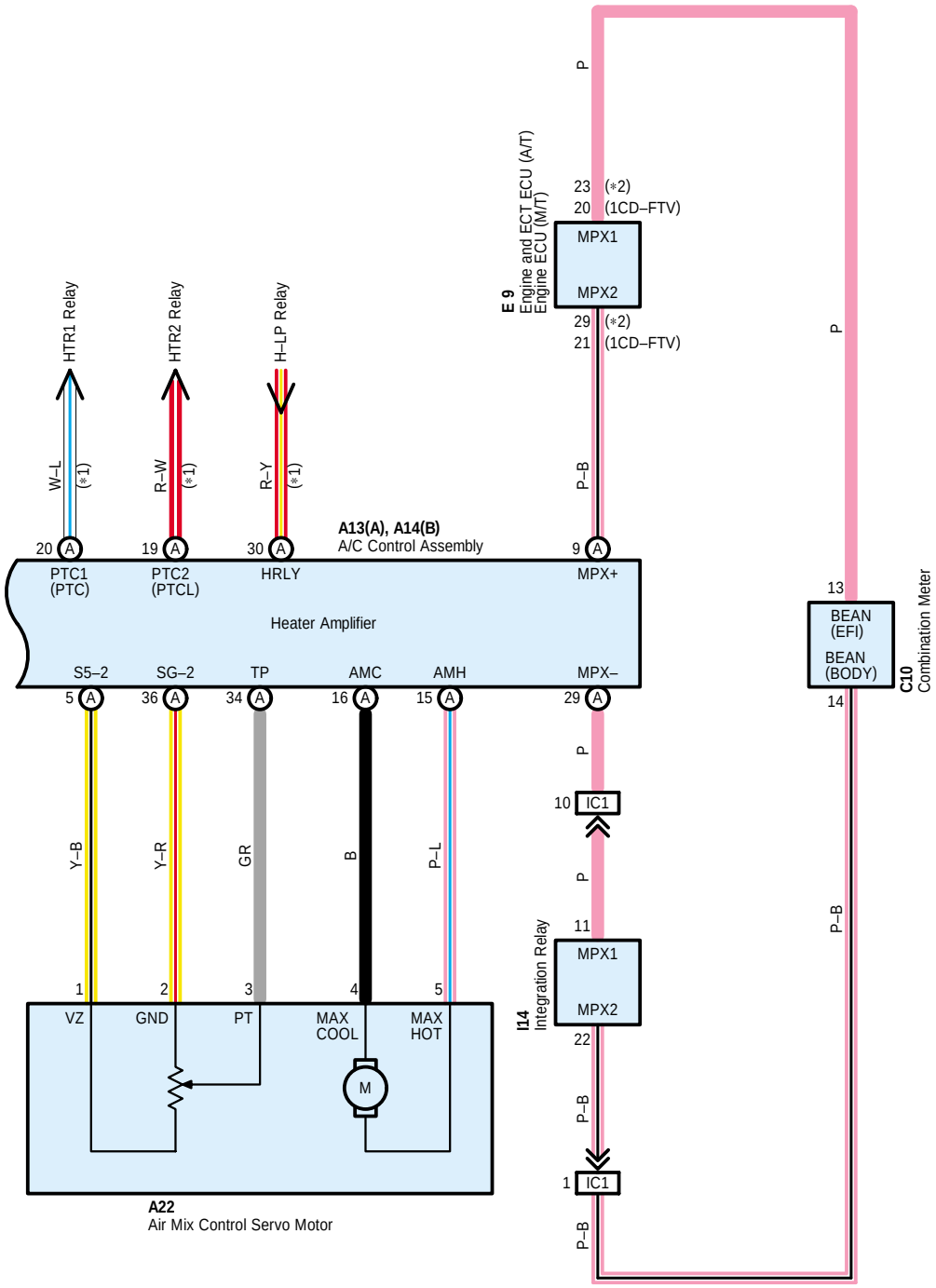
∗ 1 : Power Heater (Electrical Type)
∗ 2 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE



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Service Hints

A13 (A), A14 (B) A/C Control Assembly

(A)40, (B) 1–Ground : Always continuity
(A) 1, (A) 35, (B) 2, (B) 3–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 2–Ground : Always approx. 12 volts

: Parts Location

Code		See Page	Code	See Page	Code	See Page
A13	A	46 (LHD)	A25	66 (RHD)	I14	47 (LHD)
		66 (RHD)	B4	46 (LHD)		67 (RHD)
A14	B	46 (LHD)		66 (RHD)	J15	48 (LHD)
		66 (RHD)	B6	46 (LHD)		68 (RHD)
A21		46 (LHD)		66 (RHD)	J17	48 (LHD)
		66 (RHD)	C10	46 (LHD)		68 (RHD)
A22		46 (LHD)		66 (RHD)	J26	68 (RHD)
		66 (RHD)	E9	47 (LHD)	J28	68 (RHD)
A25		46 (LHD)		67 (RHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CE		
CF		
CG	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DC		
DF		
DP	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IJ1	88 (LHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
	108 (RHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: **Ground Points**

Code	See Page	Ground Points Location
IJ	86 (LHD) 106 (RHD)	Left Kick Panel
IK	86 (LHD) 106 (RHD)	Behind the Combination Meter
IP	86 (LHD) 106 (RHD)	Right Kick Panel

: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	88 (LHD)	Instrument Panel Wire	I6	108 (RHD)	Instrument Panel Wire

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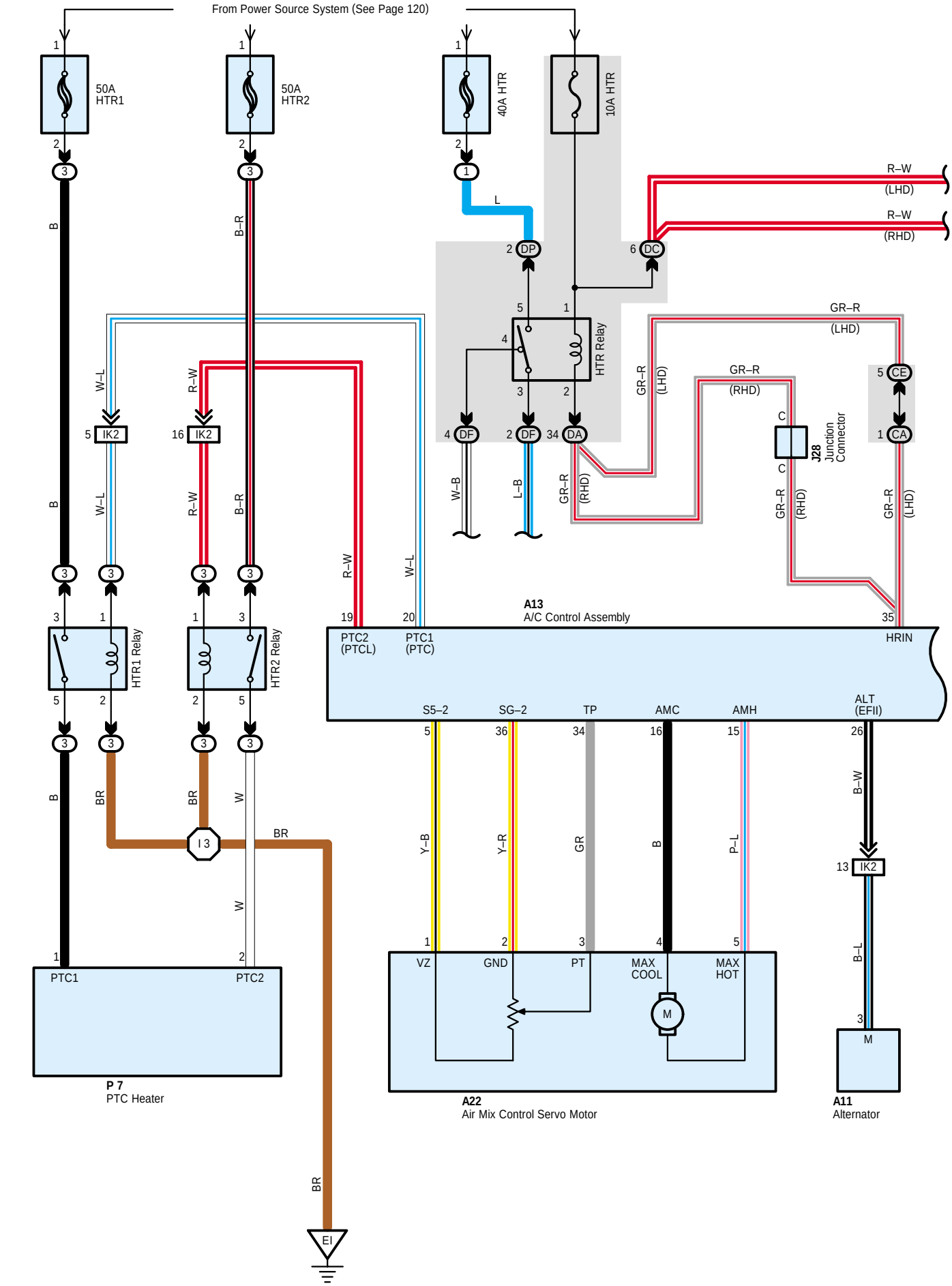
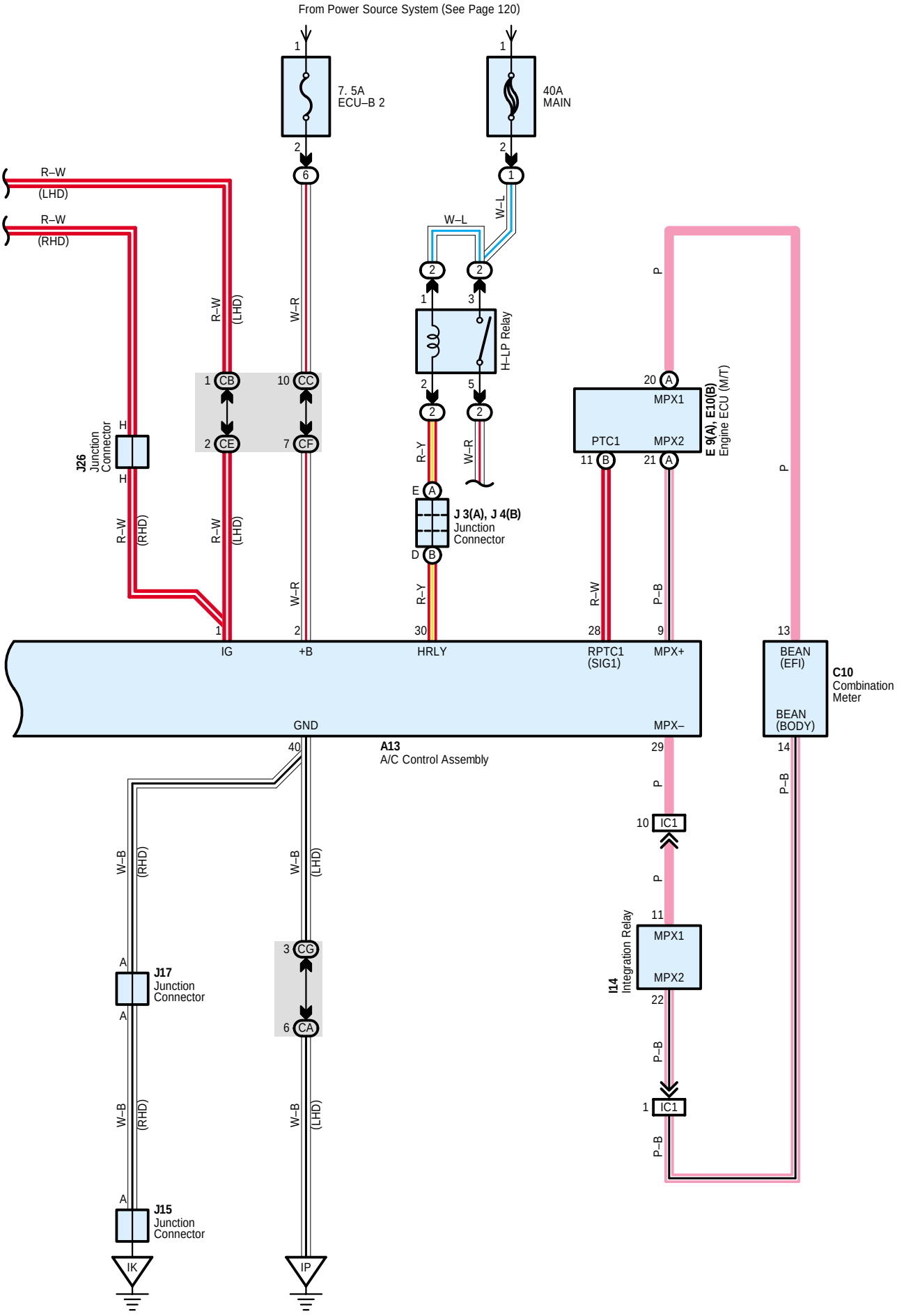
Power Heater (Electrical Type)



http://vnx.su


From Power Source System (See Page 120)
7. 5A
ECU–B 2
40A
MAIN
R–W
(LHD)
R–W
(RHD)
W–L
H–LP Relay
J26
Junction
Connector
J 3(A), J 4(B)
Junction
Connector
E 9(A), E10(B)
Engine ECU (M/T)
MPX1
MPX2
PTC1
IG
+B
HRLY
RPTC1
(SIG1)
MPX+
MPX–
GND
A13
A/C Control Assembly
C10
Combination
Meter
BEAN
(EFI)
BEAN
(BODY)
I14
Integration Relay
J17
Junction
Connector
J15
Junction
Connector
IK
IP
IC1

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Power Heater (Electrical Type)

Service Hints

HTR1 Relay

2–Ground : Always continuity
3–Ground : Always approx. 12 volts

HTR2 Relay

2–Ground : Always continuity
3–Ground : Always approx. 12 volts

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A11	44 (*6)	E9 A	47 (LHD)	J4 B	48 (LHD)
	64 (*10)		67 (RHD)		68 (RHD)
A13	46 (LHD)	E10 B	47 (LHD)	J15	68 (RHD)
	66 (RHD)		67 (RHD)	J17	68 (RHD)
A22	46 (LHD)	I14	47 (LHD)	J26	68 (RHD)
	66 (RHD)		67 (RHD)	J28	68 (RHD)
C10	46 (LHD)	J3 A	48 (LHD)	P7	49 (LHD)
	66 (RHD)		68 (RHD)		69 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	25 (*2)	Engine Room R/B No.1 (Engine Compartment Left)
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CE		
CF		
CG	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DC		
DF		
DP	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IK2	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
EI	84 (*6)	Near the Starter
	104 (*10)	
IK	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	88 (LHD)	Engine Wire	I3	108 (RHD)	Engine Wire

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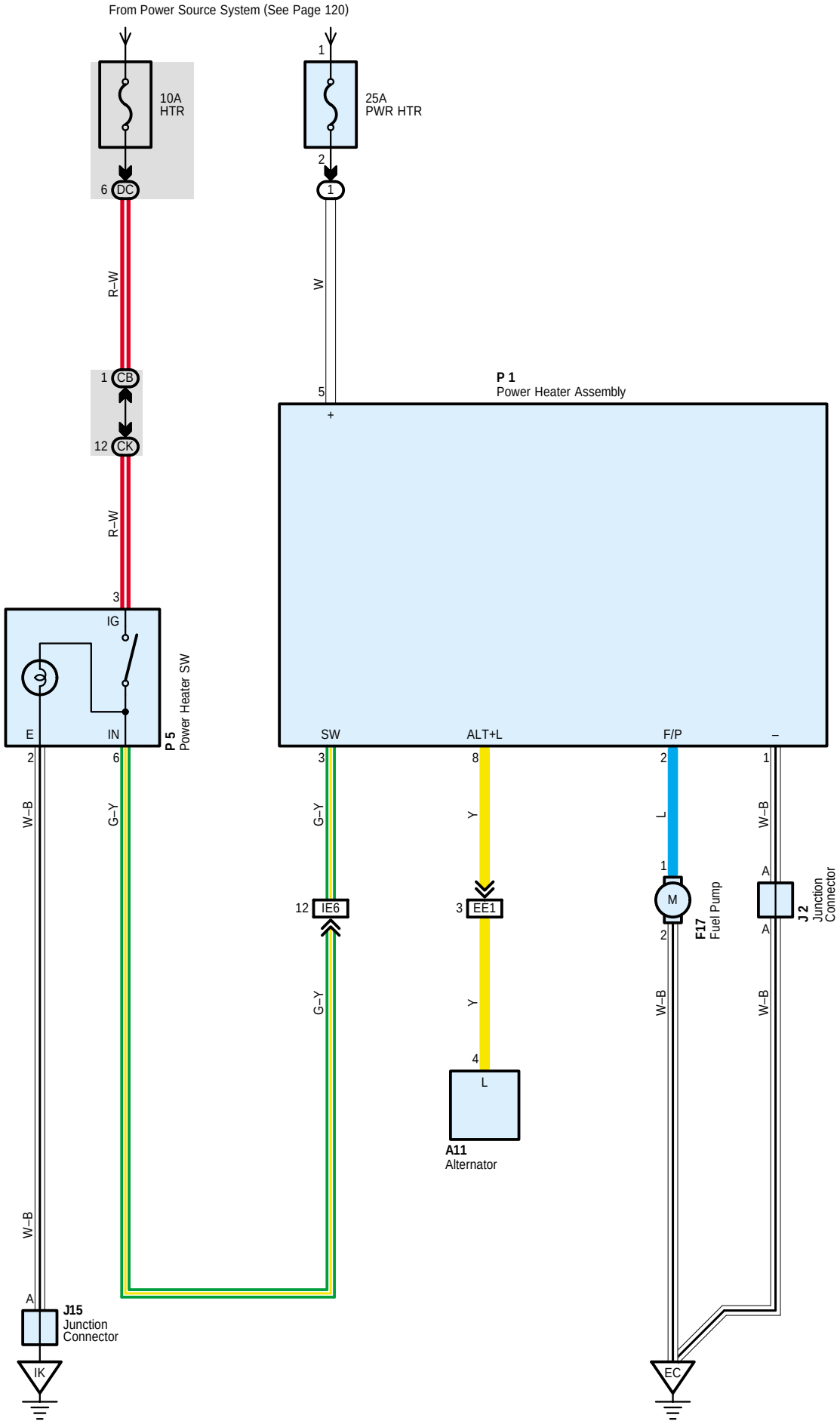
Power Heater (Combustion Type)



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Service Hints

P1 Power Heater Assembly

5–Ground : Always approx. 12 volts
3–Ground : Approx. 12 volts with the ignition SW at ON position and power heater SW on
1–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A11	44 (*6)	J2	45 (*6)	P1	45 (*6)
F17	44 (*6)	J15	48 (LHD)	P5	49 (LHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	25 (*2)	Engine Room R/B No.1 (Engine Compartment Left)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CB	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CK	35	
DC	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EE1	84 (*6)	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
IE6	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)

: Ground Points

Code	See Page	Ground Points Location
EC	84 (*6)	Engine Compartment Left
IK	86 (LHD)	Behind the Combination Meter

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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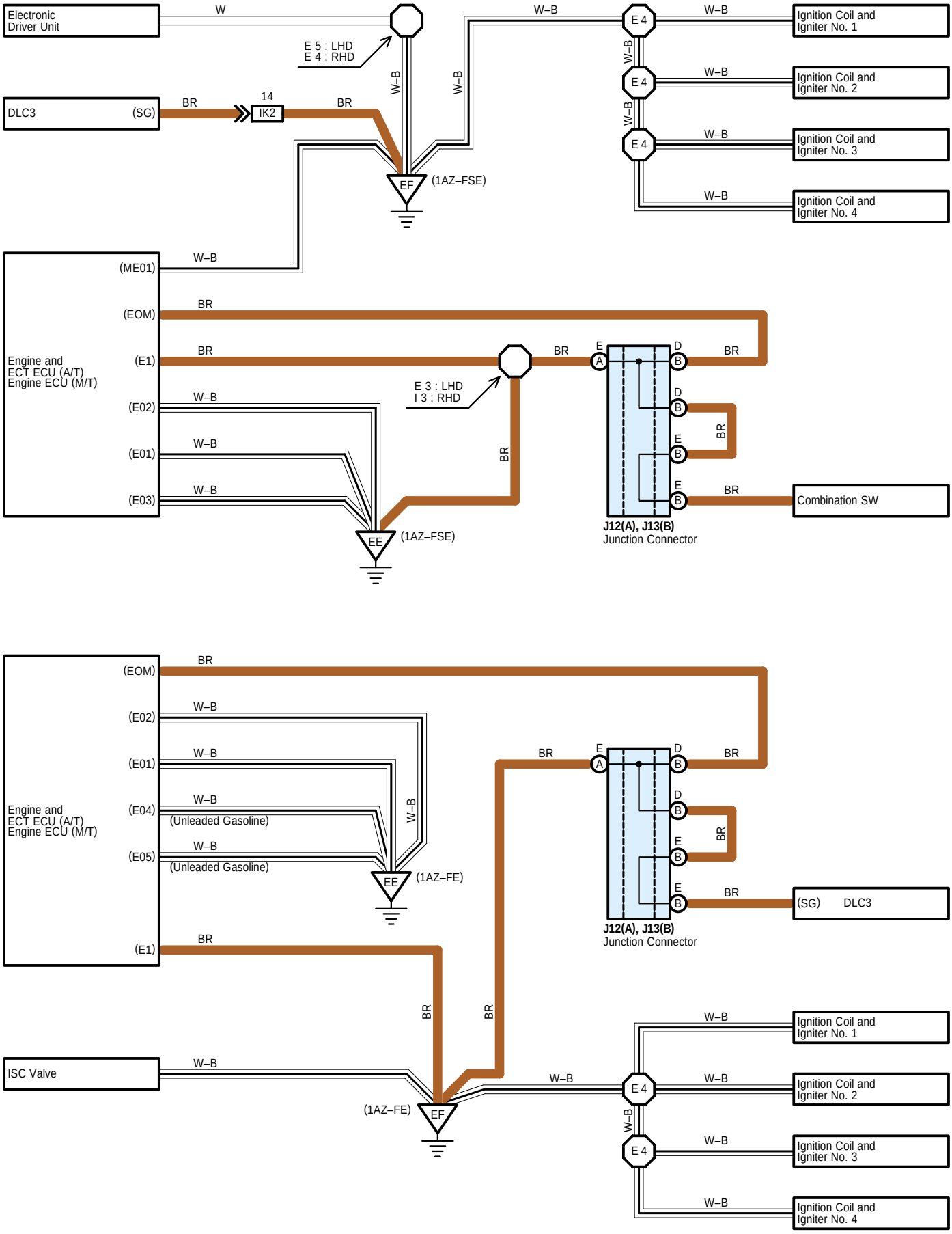
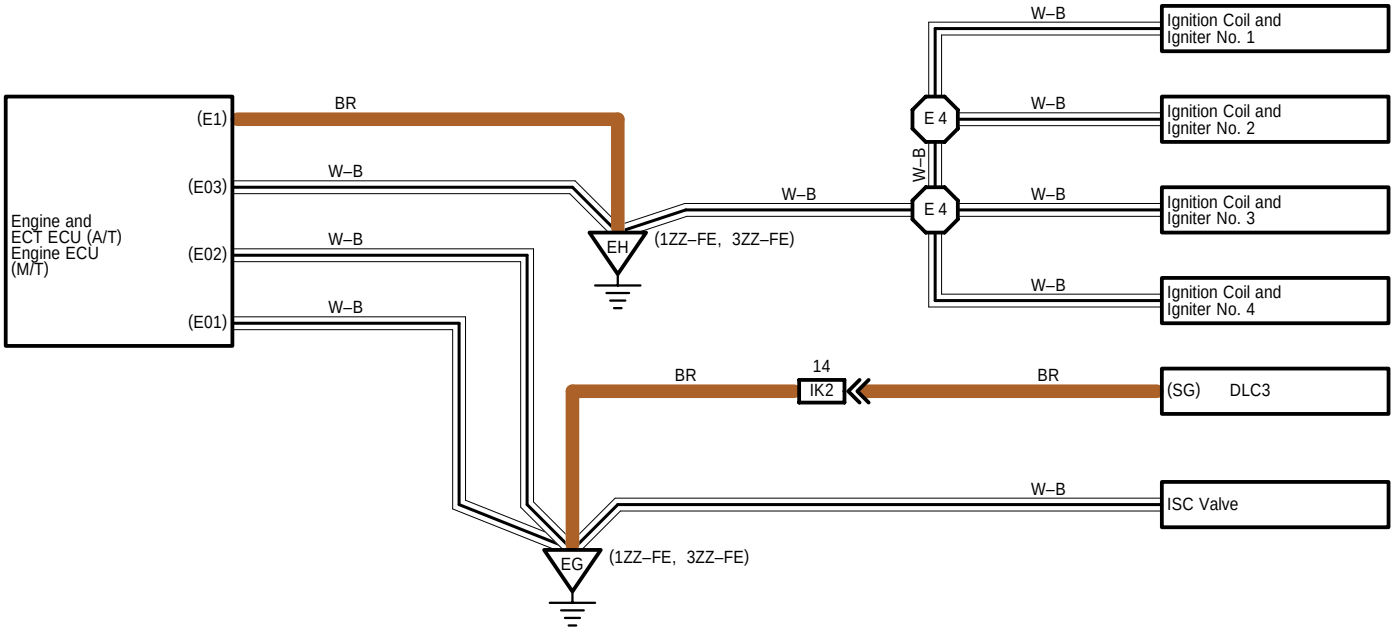
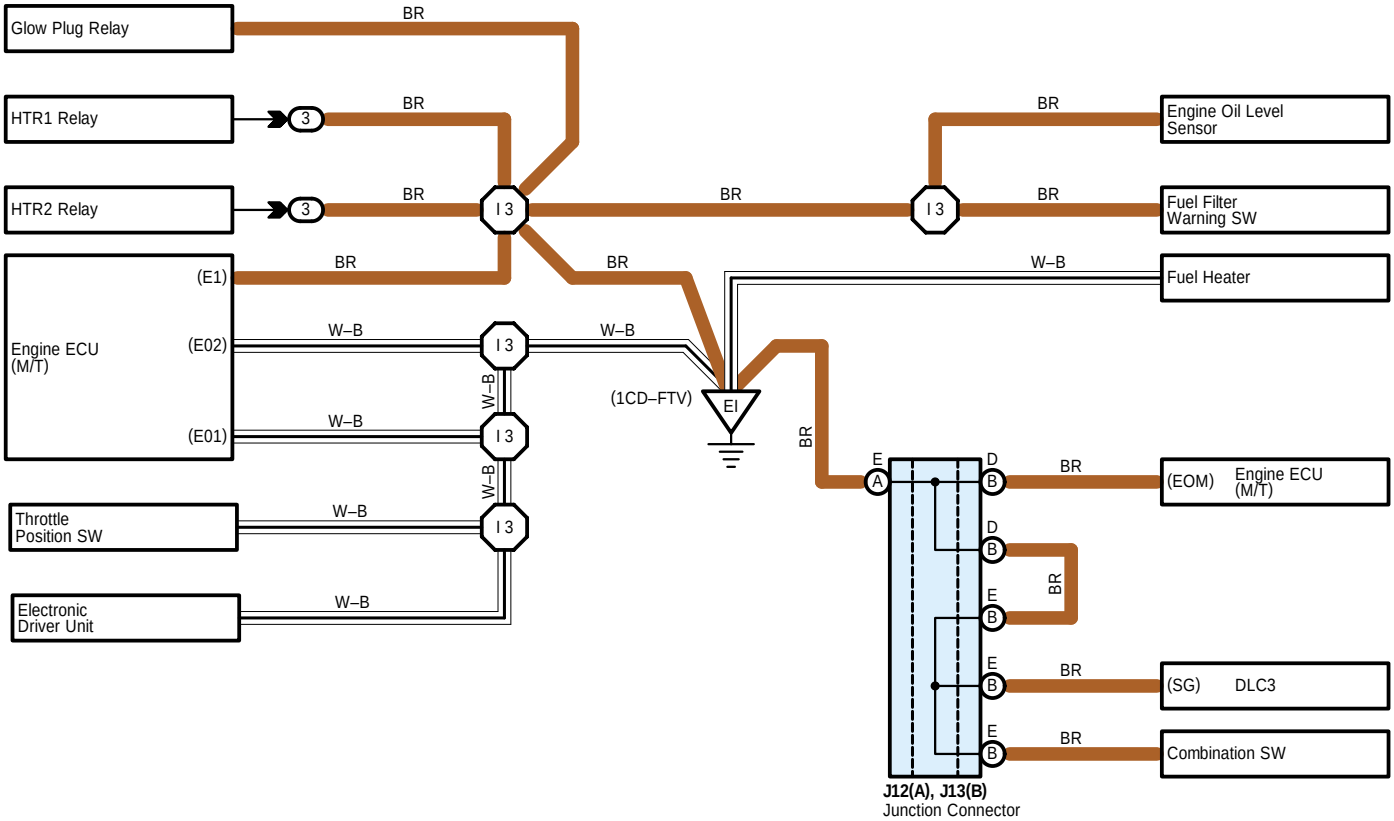
I GROUND POINT



http://vnx.su


Engine and
ECT ECU (A/T)
Engine ECU
(M/T)
(E1)
(E03)
(E02)
(E01)
BR
W–B
EH
(1ZZ–FE, 3ZZ–FE)
E 4
Ignition Coil and
Igniter No. 1
Ignition Coil and
Igniter No. 2
Ignition Coil and
Igniter No. 3
Ignition Coil and
Igniter No. 4
14
IK2
(SG) DLC3
ISC Valve
EG
(1ZZ–FE, 3ZZ–FE)


Glow Plug Relay
HTR1 Relay
HTR2 Relay
3
I 3
Engine ECU
(M/T)
(E1)
(E02)
(E01)
Throttle
Position SW
Electronic
Driver Unit
BR
W–B
(1CD–FTV)
EI
Engine Oil Level
Sensor
Fuel Filter
Warning SW
Fuel Heater
(EOM) Engine ECU
(M/T)
(SG) DLC3
Combination SW
J12(A), J13(B)
Junction Connector

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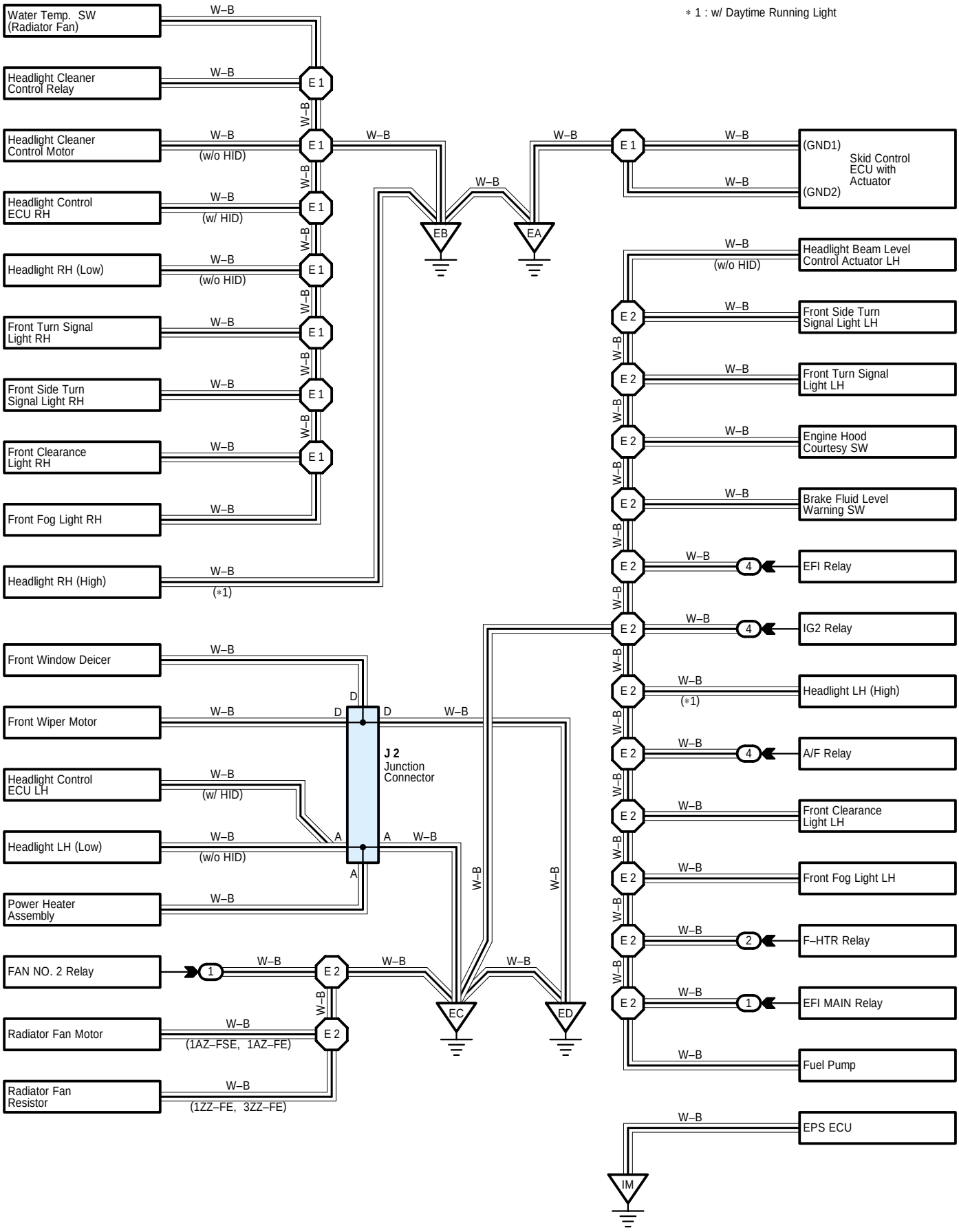
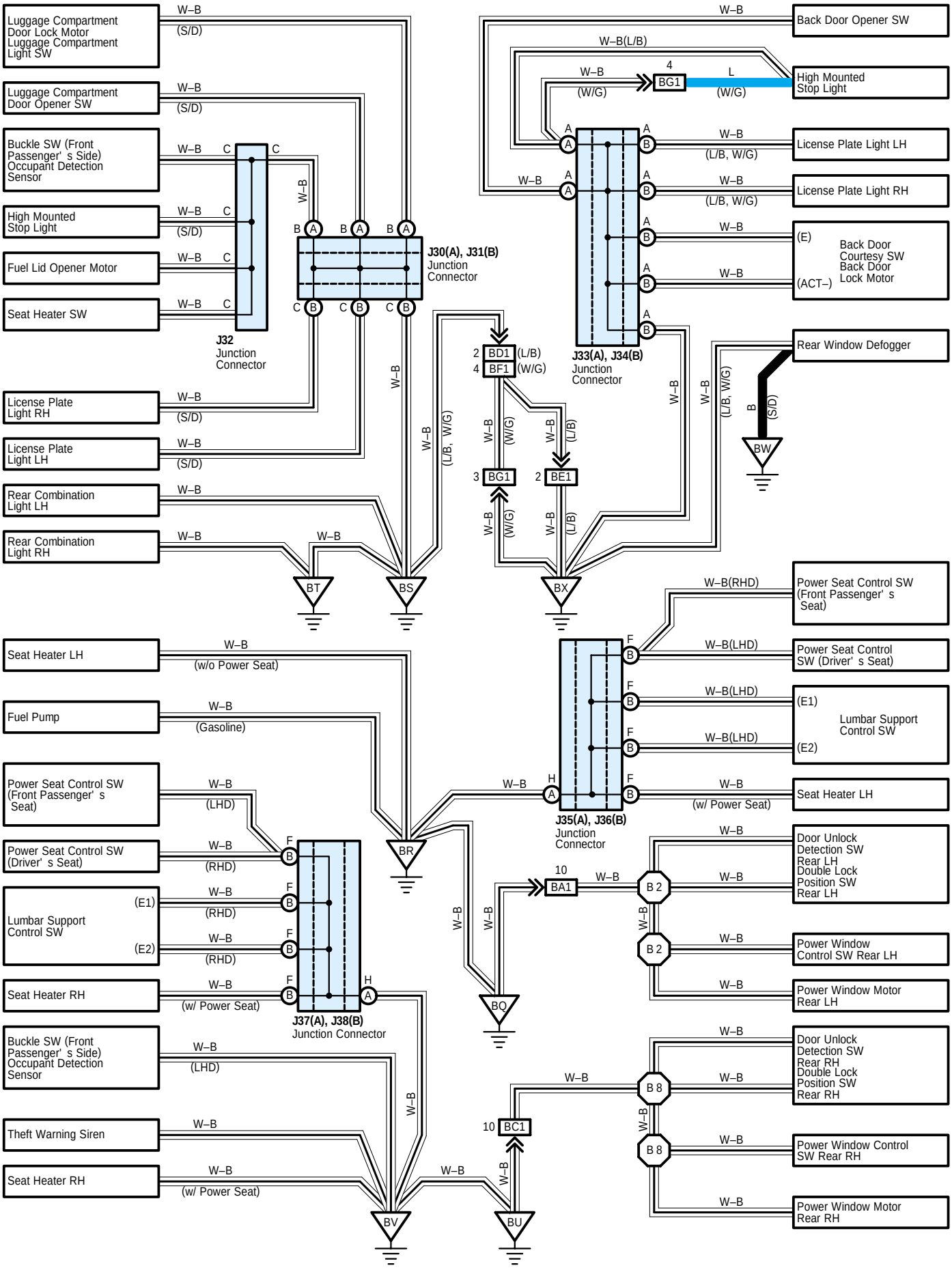
I GROUND POINT



http://vnx.su


Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
Luggage Compartment Door Opener SW
Buckle SW (Front Passenger' s Side) Occupant Detection Sensor
High Mounted Stop Light
Fuel Lid Opener Motor
Seat Heater SW
License Plate Light RH
License Plate Light LH
Rear Combination Light LH
Rear Combination Light RH
W–B
(S/D)
J32
Junction Connector
J30(A), J31(B)
Junction Connector
J33(A), J34(B)
Junction Connector
Back Door Opener SW
W–B(L/B)
W–B
(W/G)
BG1
L
High Mounted Stop Light
License Plate Light LH
License Plate Light RH
(L/B, W/G)
(E)
(ACT–)
Back Door Courtesy SW
Back Door Lock Motor
Rear Window Defogger
BD1
BF1
(L/B)
(W/G)
BE1
BG1
BT
BS
BX
BW
Seat Heater LH
(w/o Power Seat)
Fuel Pump
(Gasoline)
Power Seat Control SW (Front Passenger' s Seat)
Power Seat Control SW (Driver' s Seat)
Lumbar Support Control SW
(E1)
(E2)
Seat Heater RH
(w/ Power Seat)
(LHD)
(RHD)
J37(A), J38(B)
Junction Connector
Buckle SW (Front Passenger' s Side) Occupant Detection Sensor
Theft Warning Siren
BR
BQ
BV
BU
W–B(RHD)
W–B(LHD)
Power Seat Control SW (Front Passenger' s Seat)
Power Seat Control SW (Driver' s Seat)
Lumbar Support Control SW
Seat Heater LH
J35(A), J36(B)
Junction Connector
BA1
BC1
B 2
B 8
Door Unlock Detection SW Rear LH
Double Lock Position SW Rear LH
Power Window Control SW Rear LH
Power Window Motor Rear LH
Door Unlock Detection SW Rear RH
Double Lock Position SW Rear RH
Power Window Control SW Rear RH
Power Window Motor Rear RH

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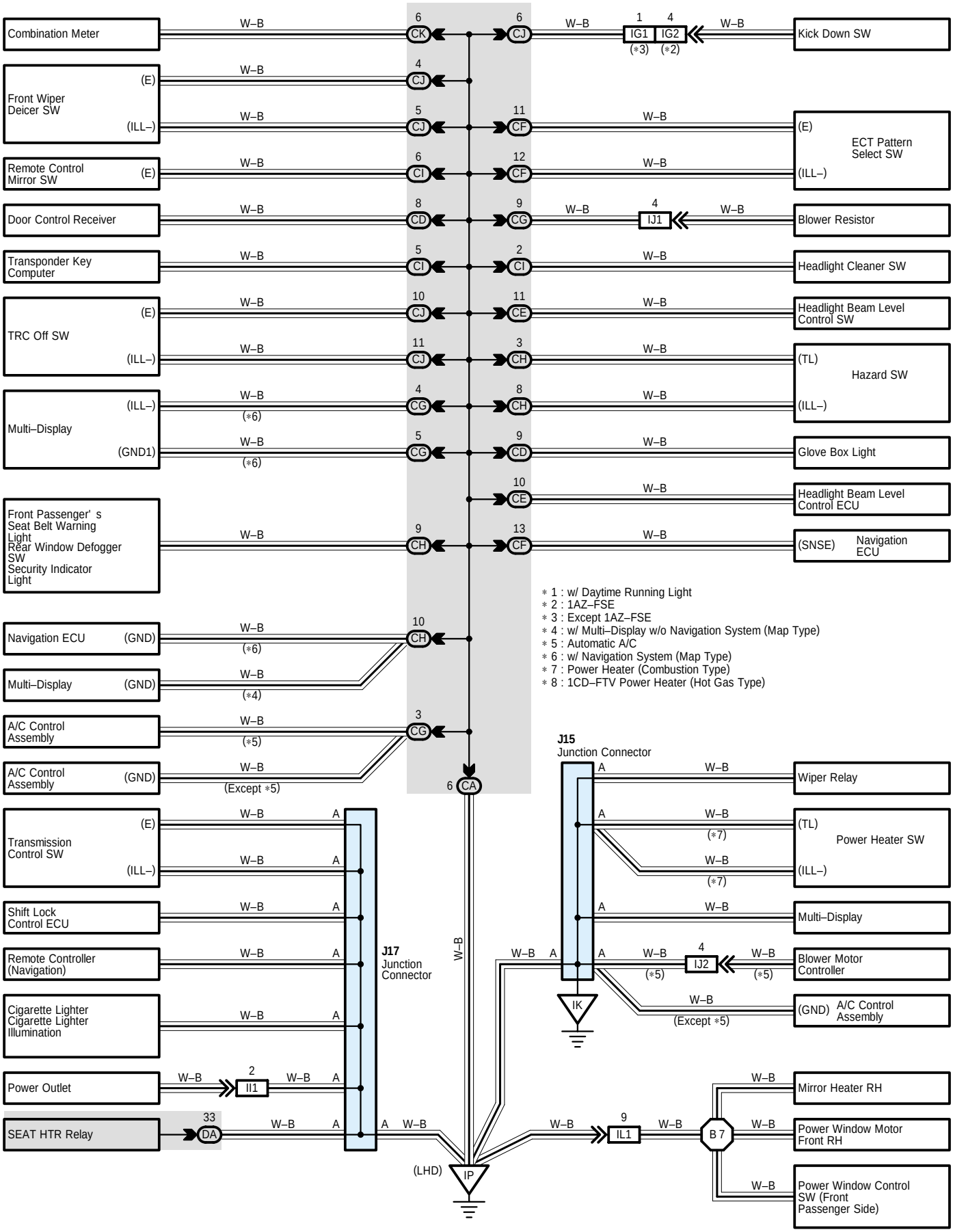
I GROUND POINT



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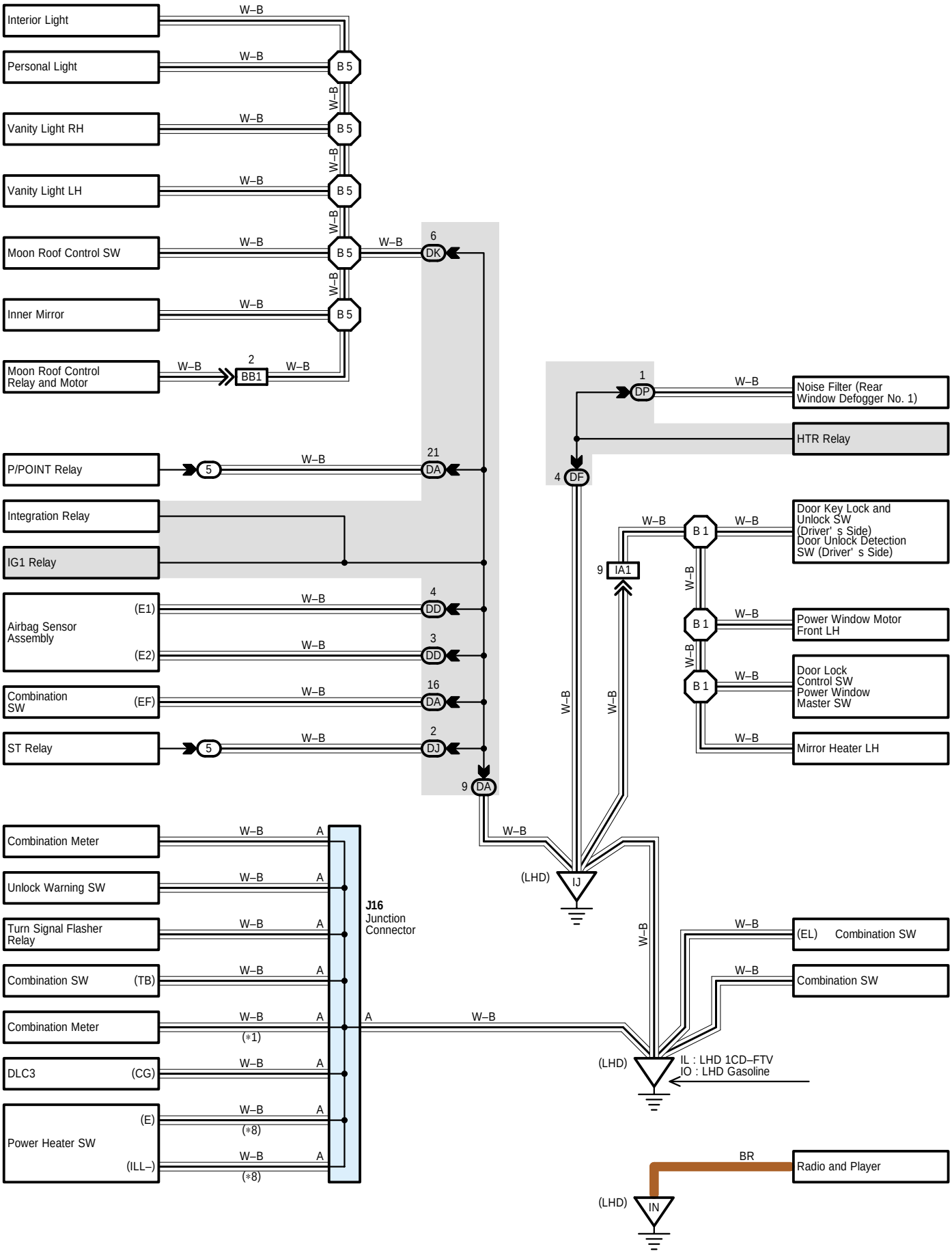
Interior Light
Personal Light
Vanity Light RH
Vanity Light LH
Moon Roof Control SW
Inner Mirror
Moon Roof Control Relay and Motor
P/POINT Relay
Integration Relay
IG1 Relay
Airbag Sensor Assembly
(E1)
(E2)
Combination SW
(EF)
ST Relay
W–B
B 5
BB1
DK
DA
DD
DJ
DF
DP
IA1
B 1
Noise Filter (Rear Window Defogger No. 1)
HTR Relay
Door Key Lock and Unlock SW (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
Power Window Motor Front LH
Door Lock Control SW Power Window Master SW
Mirror Heater LH
Combination Meter
Unlock Warning SW
Turn Signal Flasher Relay
Combination SW
(TB)
DLC3
(CG)
Power Heater SW
(E)
(ILL–)
(*1)
(*8)
J16
Junction Connector
(LHD)
IJ
IL : LHD 1CD–FTV
IO : LHD Gasoline
(EL) Combination SW
BR
Radio and Player
IN

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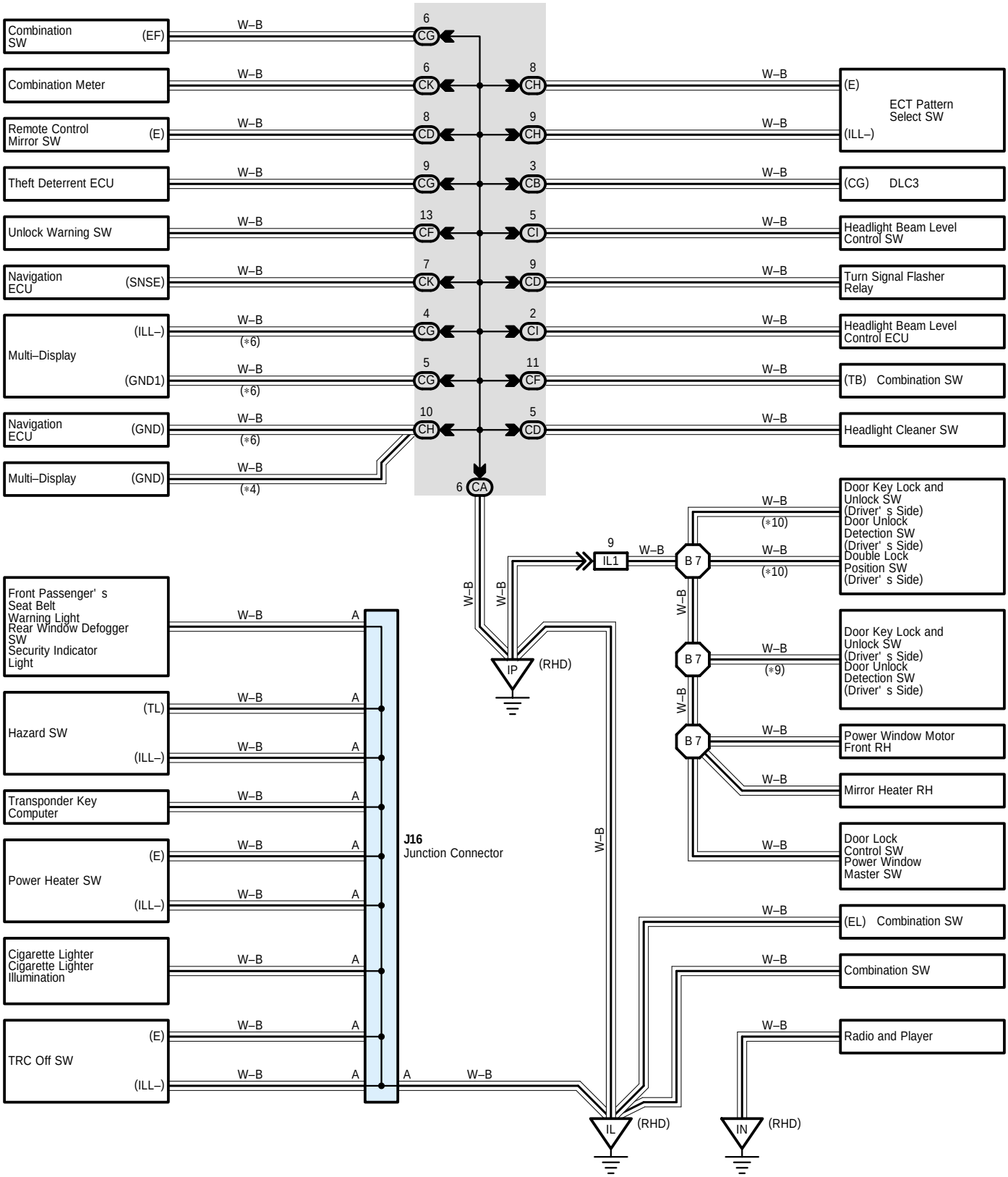
I GROUND POINT



∗ 4 : w/ Multi–Display w/o Navigation System (Map Type)
∗ 5 : Automatic A/C
∗ 6 : w/ Navigation System (Map Type)
∗ 9 : w/o Double Locking
∗10 : w/ Double Locking

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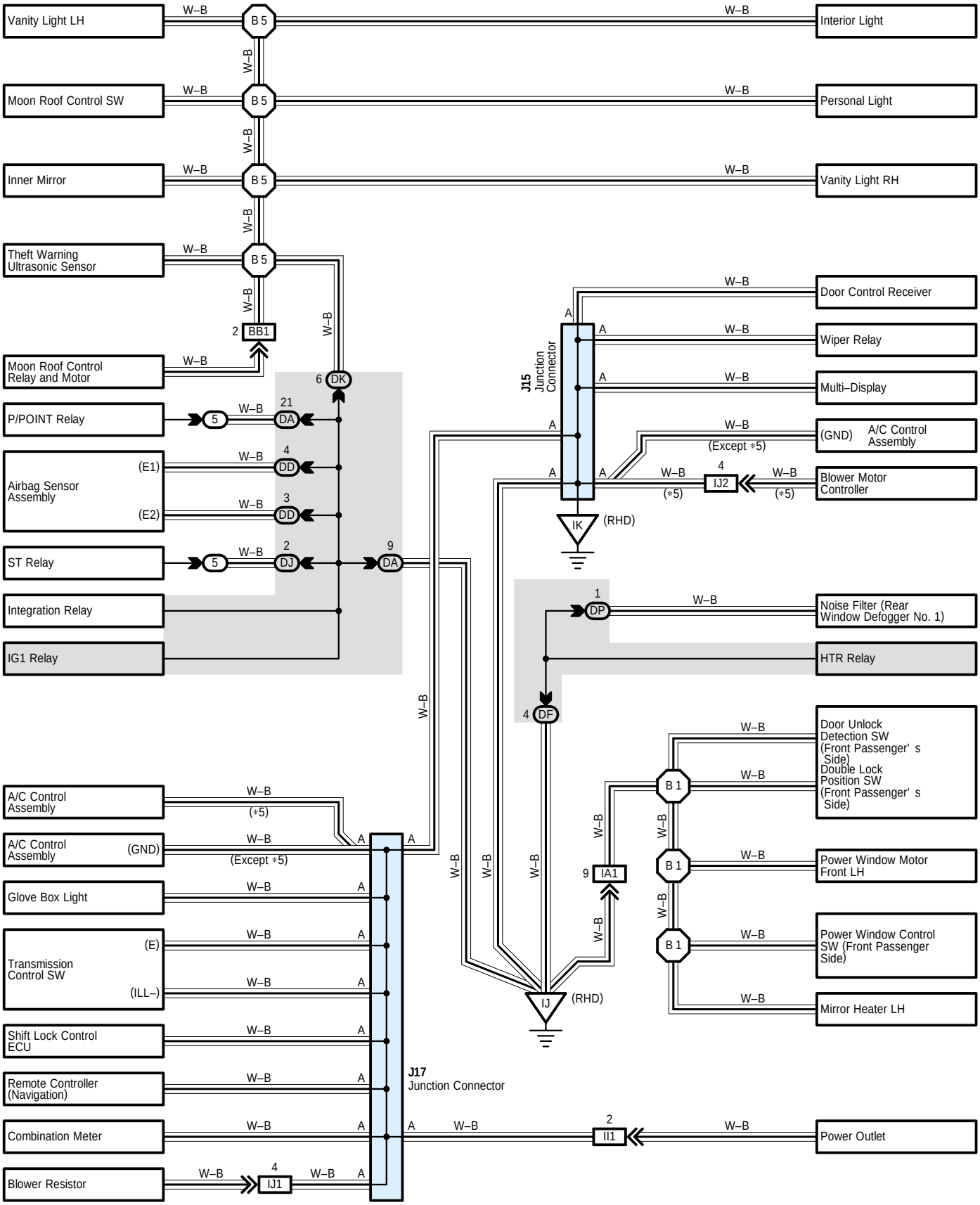
Vanity Light LH
Moon Roof Control SW
Inner Mirror
Theft Warning Ultrasonic Sensor
Interior Light
Personal Light
Vanity Light RH
B 5
W–B
Moon Roof Control Relay and Motor
P/POINT Relay
Airbag Sensor Assembly
(E1)
(E2)
ST Relay
Integration Relay
IG1 Relay
2 BB1
6 DK
21 DA
4 DD
3 DD
2 DJ
9 DA
5
Door Control Receiver
Wiper Relay
Multi–Display
(GND) A/C Control Assembly
Blower Motor Controller
(Except ∗5)
(∗5)
J15 Junction Connector
IK (RHD)
Noise Filter (Rear Window Defogger No. 1)
HTR Relay
1 DP
4 DF
Door Unlock Detection SW (Front Passenger' s Side)
Double Lock Position SW (Front Passenger' s Side)
Power Window Motor Front LH
Power Window Control SW (Front Passenger Side)
Mirror Heater LH
B 1
9 IA1
IJ (RHD)
A/C Control Assembly
(GND)
Glove Box Light
Transmission Control SW
(E)
(ILL–)
Shift Lock Control ECU
Remote Controller (Navigation)
Combination Meter
Blower Resistor
J17 Junction Connector
4 IJ1
IJ2
II1
Power Outlet

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I GROUND POINT

: Parts Location

Code		See Page	Code		See Page	Code		See Page
J2		39 (*3)	J30	A	51 (LHD S/D)	J33	A	53 (LHD L/B)
		41 (*4)			53 (LHD L/B)			55 (LHD W/G)
		43 (*5)			55 (LHD W/G)			73 (RHD L/B)
		45 (*6)			71 (RHD S/D)			75 (RHD W/G)
		59 (*7)			73 (RHD L/B)	J34	B	53 (LHD L/B)
		61 (*8)			75 (RHD W/G)			55 (LHD W/G)
		63 (*9)	J31	B	51 (LHD S/D)			73 (RHD L/B)
		65 (*10)			53 (LHD L/B)			75 (RHD W/G)
J12	A	48 (LHD)			55 (LHD W/G)	J35	A	56 (LHD)
		68 (RHD)			71 (RHD S/D)			76 (RHD)
J13	B	48 (LHD)			73 (RHD L/B)	J36	B	56 (LHD)
		68 (RHD)			75 (RHD W/G)			76 (RHD)
J15		48 (LHD)	J32		51 (LHD S/D)	J37	A	56 (LHD)
		68 (RHD)			53 (LHD L/B)			76 (RHD)
J16		48 (LHD)			55 (LHD W/G)	J38	B	56 (LHD)
		68 (RHD)			71 (RHD S/D)			76 (RHD)
J17		48 (LHD)			73 (RHD L/B)			
		68 (RHD)			75 (RHD W/G)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
	28 (RHD)	Driver Side R/B (Instrument Panel Reinforcement LH)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CE		
CF		
CG	35	
CH		
CI		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DD		
DF		
DJ		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DP	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	106 (RHD)	
IG1	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IG2		
II1	88 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Console Box)
	108 (RHD)	
IJ1	88 (LHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
	108 (RHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)
IJ2	88 (LHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
	108 (RHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)
IK2	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
	108 (RHD)	
BA1	90 (LHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BB1	90 (LHD S/D)	Roof Wire and Roof No.2 Wire (Near the Personal Light)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	90 (LHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BD1	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	112 (RHD L/B)	
BE1	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
	112 (RHD L/B)	
BF1	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	114 (RHD W/G)	
BG1	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	114 (RHD W/G)	

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I GROUND POINT

▽ : **Ground Points**

Code	See Page	Ground Points Location
EA	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EB	78 (*3)	
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
ED	78 (*3)	Left Side of the Suspension Tower
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EE	78 (*3)	Intake Side of Cylinder Block
	80 (*4)	
	98 (*7)	
	100 (*8)	
EF	78 (*3)	Left Side of the Cylinder Head
	80 (*4)	
	98 (*7)	
	100 (*8)	
EG	82 (*5)	
	102 (*9)	
EH	82 (*5)	
	102 (*9)	
EI	84 (*6)	Near the Starter
	104 (*10)	
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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▽ : **Ground Points**

Code	See Page	Ground Points Location
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IM	86 (LHD)	
	106 (RHD)	
IN	86 (LHD)	Instrument Panel Reinforcement Center
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BQ	90 (LHD S/D)	Under the Left Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BR	90 (LHD S/D)	
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BT	90 (LHD S/D)	Lower Back Panel Center
	92 (LHD L/B)	
	94 (LHD W/G)	Lower Back Panel Right
	110 (RHD S/D)	Lower Back Panel Center
	112 (RHD L/B)	
	114 (RHD W/G)	Lower Back Panel Right
BU	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BV	90 (LHD S/D)	
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BW	90 (LHD S/D)	Right Quarter Panel
	110 (RHD S/D)	
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	
	112 (RHD L/B)	
	114 (RHD W/G)	

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I GROUND POINT

: **Splice Points**

Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
E2	78 (*3)	
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
E3	78 (*3)	Engine Wire
E4	78 (*3)	
	80 (*4)	
	82 (*5)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
E5	78 (*3)	
I3	88 (LHD)	
	108 (RHD)	
B1	90 (LHD S/D)	Front Door LH Wire
	92 (LHD L/B)	

Code	See Page	Wire Harness with Splice Points
B1	94 (LHD W/G)	Front Door LH Wire
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
B2	90 (LHD S/D)	Rear Door No.2 Wire
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
B5	90 (LHD S/D)	Roof Wire
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
B7	90 (LHD S/D)	Front Door RH Wire
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
B8	90 (LHD S/D)	Rear Door No.1 Wire
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

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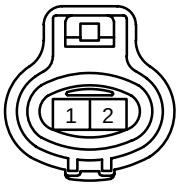
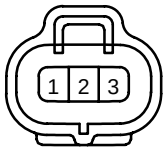
K CONNECTOR LIST

A 1
Gray

A 2
Black



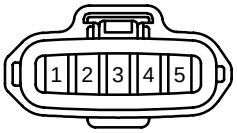
A 3
Black



A 4

A 5

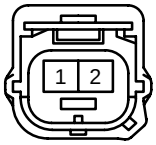
A 6
Black



A 7
Gray

A 8
Gray

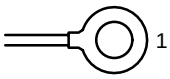
A 9
Yellow



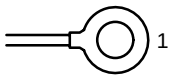
A10
Yellow

A11
Black

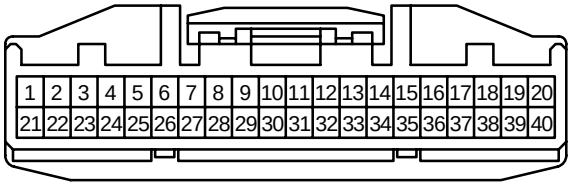
A12
(Except 1CD–FTV)



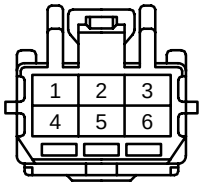
A12
(1CD–FTV)



A13



A14



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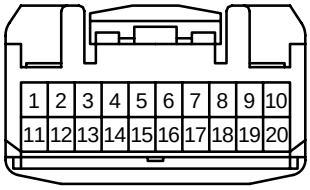
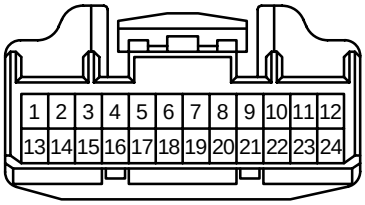
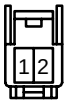


A16



A17
Black



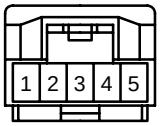
A18
Black

A19

A20
Black

A21
Black

A22
Black



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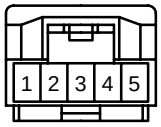
Black



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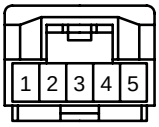
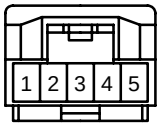
Black



A25
Black



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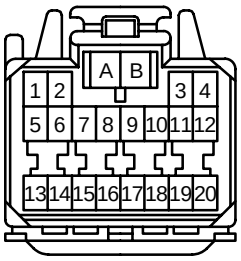
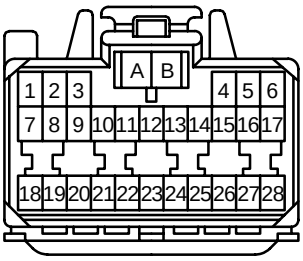
*1 : 1AZ–FSE, 1AZ–FE

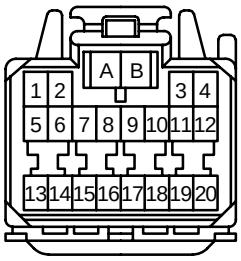
A26
Yellow



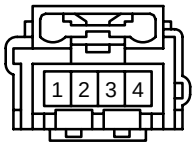
A27
Yellow



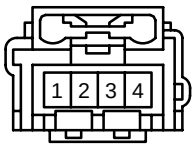
A28
Yellow



A29
Yellow



A30
Yellow



A31

A32

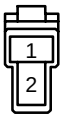
A33

B 1
Gray

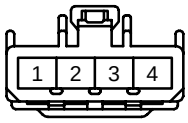
B 2
Black

B 3
Black

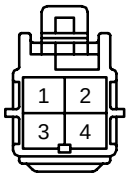
B 4



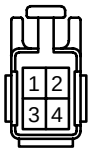
B 5
Black



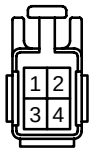
B 6
Black



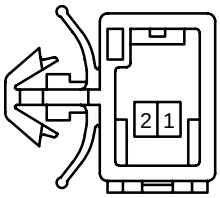
B 7
(L/B)



B 7
(W/G) Blue

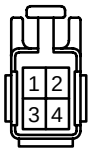


B 8



B 9
Gray

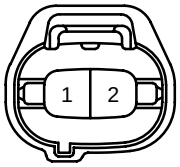
B10



C 1
Black

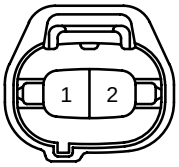
C 2
Black

C 3
Gray



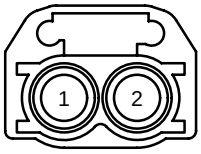
C 4

C 5
Black



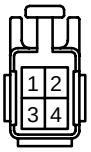
C 6
(*1) Gray

C 6
(1CD–FTV) Black

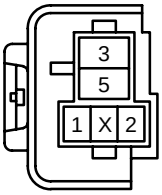


C 6
(1ZZ–FE, 3ZZ–FE) Black

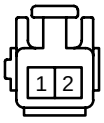
C 7
Black



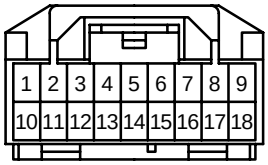
C 8



C 9



C10
Blue



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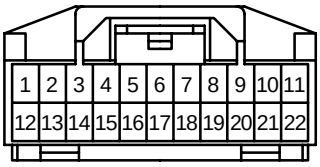
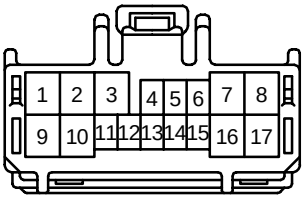
K CONNECTOR LIST

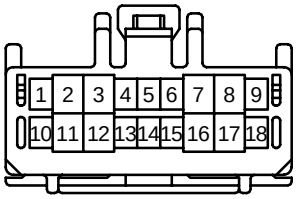
C11



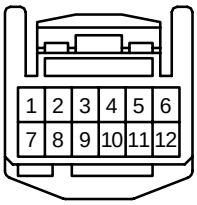
C12



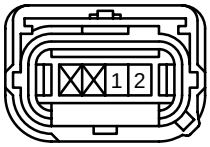
C13
Black



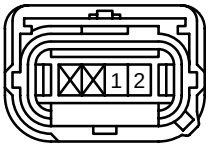
C14



C15
Yellow



C16
Yellow



C17
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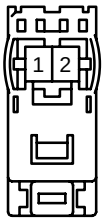

C18
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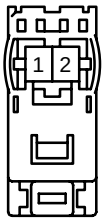
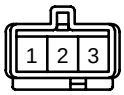


D 1
Black

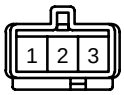
D 2



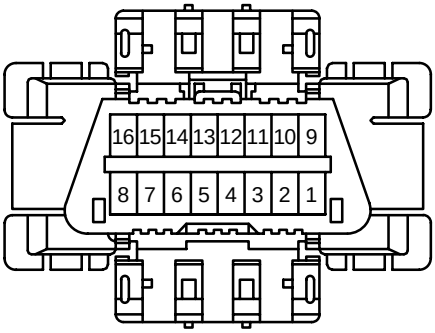
D 3
Black

D 4
(Except 1CD–FTV)

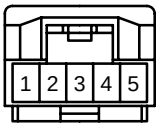
D 4
(1CD–FTV)



D 5



D 6



D 7

D 8

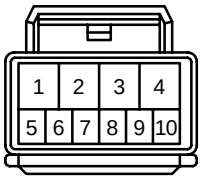
D 9

D10

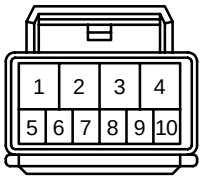
D11

D12

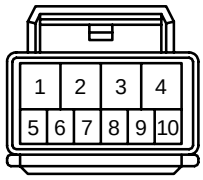
D13



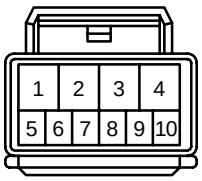
D14



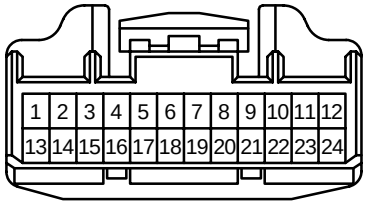
D15



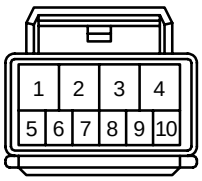
D16



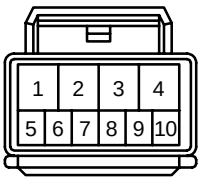
D17



D18



D19



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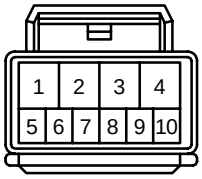
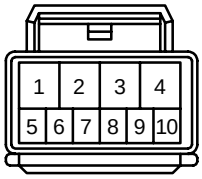
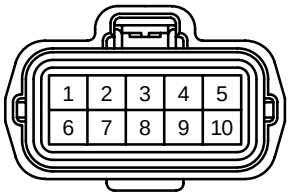
D20



D21



E 1
Gray

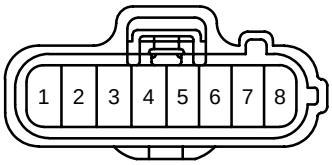


E 2
(Except 1AZ–FE) Gray

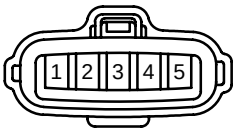
E 2
(1AZ–FE) Gray

E 3
Black

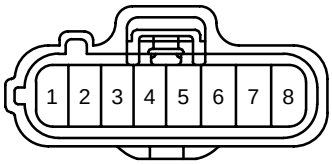
E 4
Black



E 5
(1AZ–FSE) Black



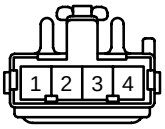
E 5
(1CD–FTV) Dark Gray



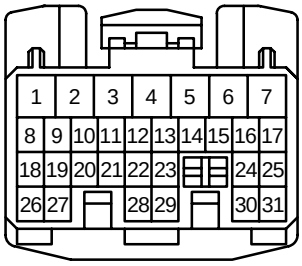
E 6
Black

E 7
Gray

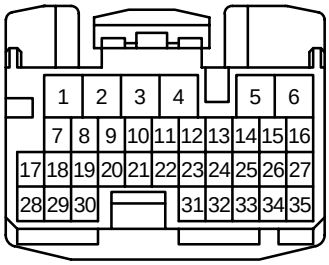
E 8
Black



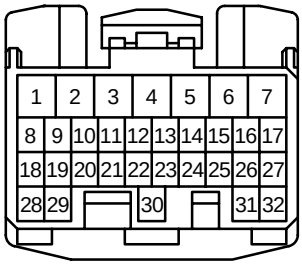
E 9



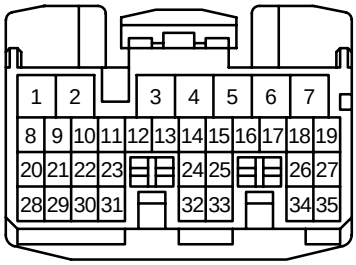
E10



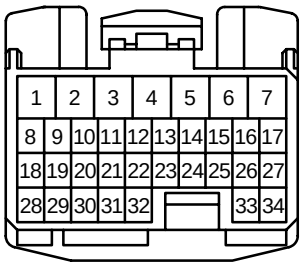
E11



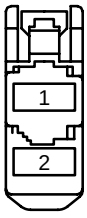
E12



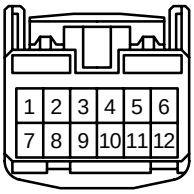
E13



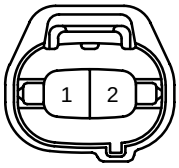
E14
Gray



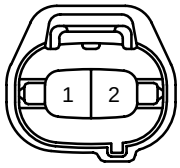
E15



F 1
Black



F 2
Black



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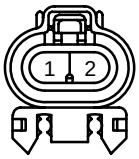
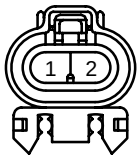
K CONNECTOR LIST

F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

F 7

F 8

F 9

F10

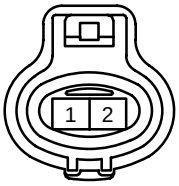
F11
Black

F12
Black

F13
Gray

F14
Gray

F15
Gray



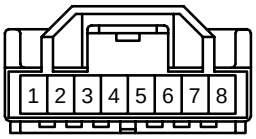
F16
(1AZ–FSE) Gray

F16
(1CD–FTV) Black

F17
Black

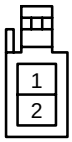
F18
Gray

F19

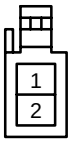


F20
Black

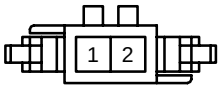
F21
Black



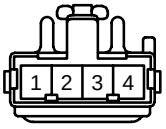
F22
Black



F23
Black

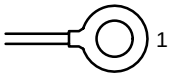


F24

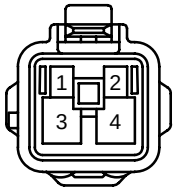


F25
Gray

G 1



G 2
Gray

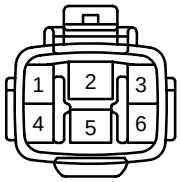


G 3
Black

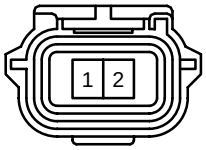
H 1
Gray

H 2
Gray

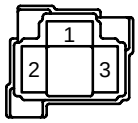
H 3
Black



H 4
Black



H 5



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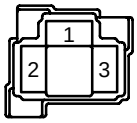
H 6



H 7
(1AZ–FSE) Gray

H 7
(1ZZ–FE, 3ZZ–FE) Gray

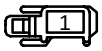
H 8
Black

H 9
Gray

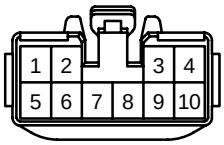
H10
Black

H11
Black

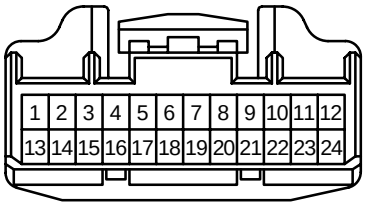
H12
Black



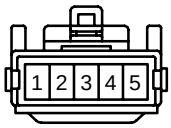
H13
Black



H14

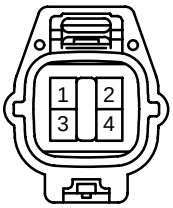


H15

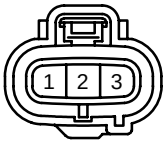


H16
Black

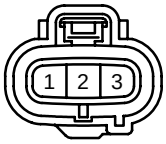
H17
Gray



H18
Black

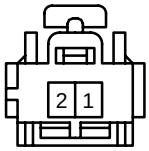


H19
Black



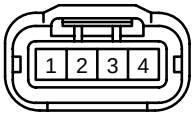
H20
(L/B)

H20
(S/D) Gray

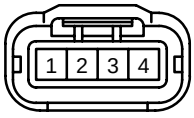


H20
(W/G) Black

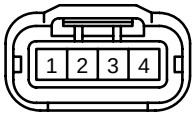
I 1
Black



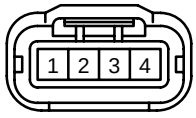
I 2
Gray



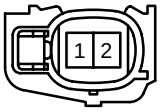
I 3
Black



I 4
Gray

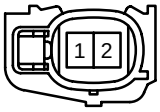


I 5
(Except 1AZ–FSE) Black



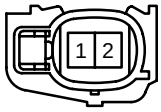
I 5
(1AZ–FSE) Black

I 6
(Except 1AZ–FSE) Gray



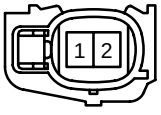
I 6
(1AZ–FSE) Gray

I 7
(Except 1AZ–FSE) Black



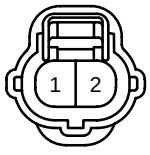
I 7
(1AZ–FSE) Black

I 8
(Except 1AZ–FSE) Gray



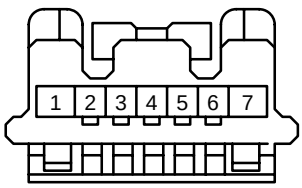
I 8
(1AZ–FSE) Gray

I 9
Gray

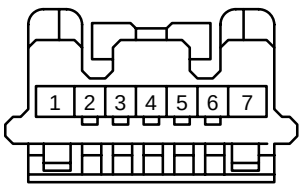


I10
Black

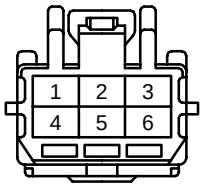
I11
Black



I12
Black



I13



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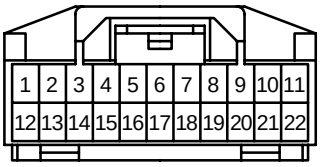
K CONNECTOR LIST

I14



I15
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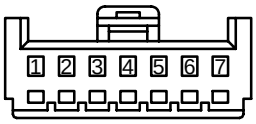
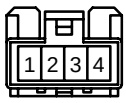


I16



J 1
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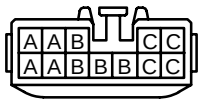
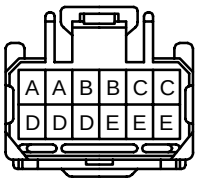


J 2
Black

J 3



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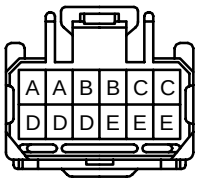
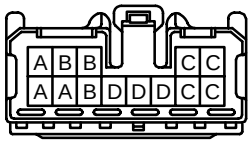


J 5



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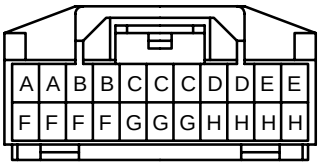
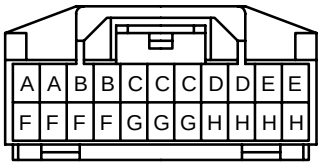


J 7



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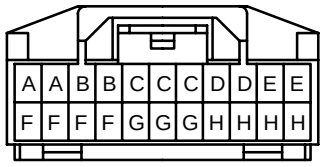
Black



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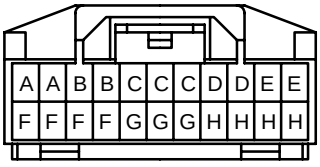

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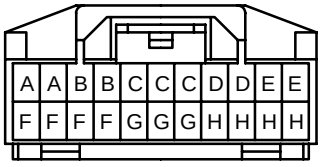
Gray



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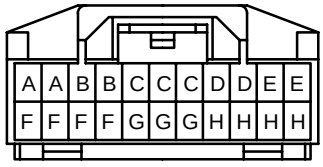

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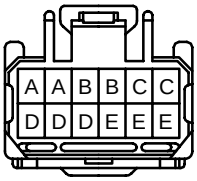

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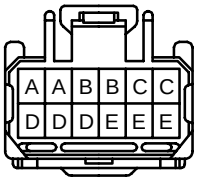

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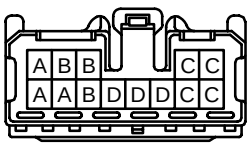
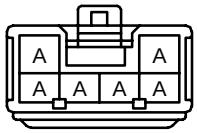


J15



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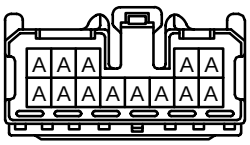
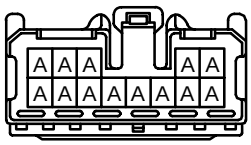


J17



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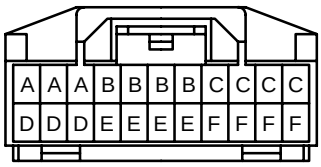

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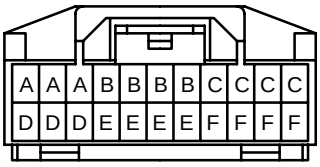

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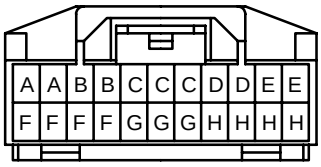
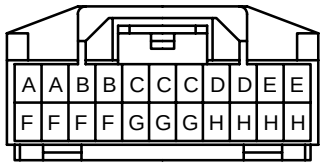


J21



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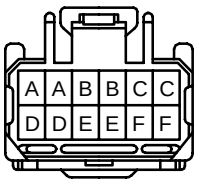
J22



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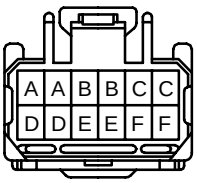

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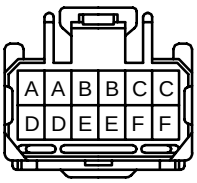

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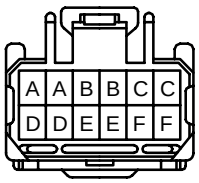

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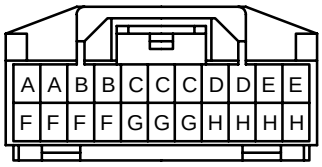

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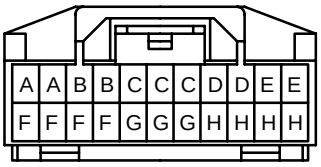

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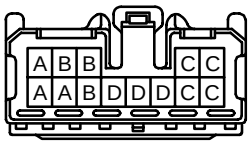

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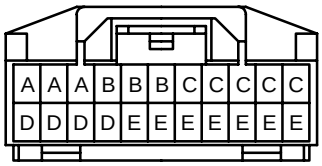

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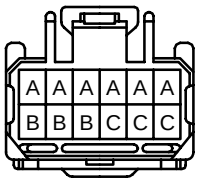

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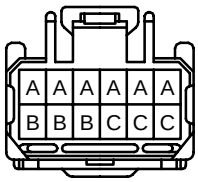

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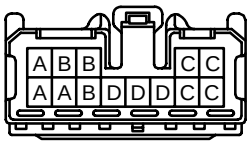

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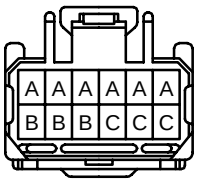

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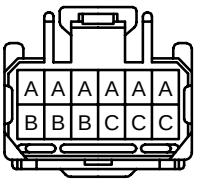

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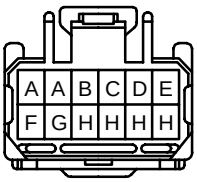

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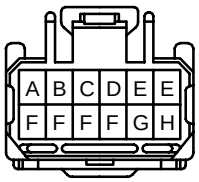

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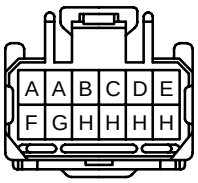

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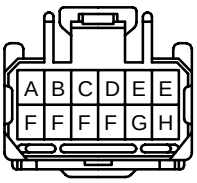
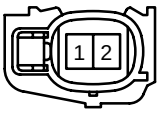
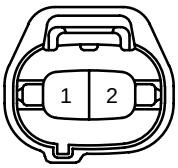


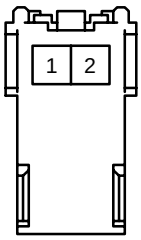
K 1
Black



K 2
Black



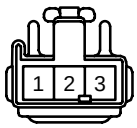
K 3
Yellow



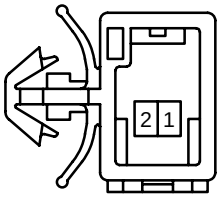
L 1
Black

L 2
Black

L 3
Black

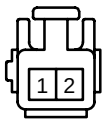


L 4



L 5

L 6



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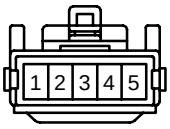
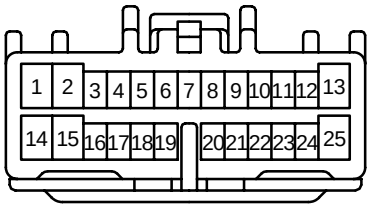
K CONNECTOR LIST

*2 : w/ Navigation System (Map Type)
*3 : w/o Navigation System (Map Type)
*4 : Power Heater (Combustion Type)
*5 : Power Heater (Hot Gas Type)

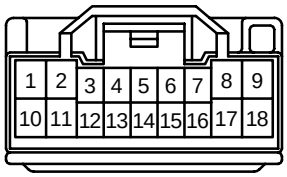
L 7



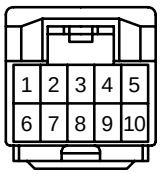
M 1 (*2)



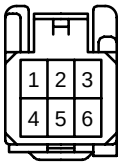
M 1 (*3)



M 2 (*2)

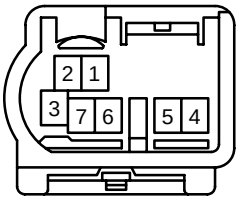


M 2 (*3)

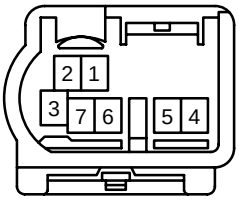


M 3

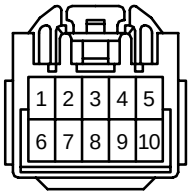
M 4



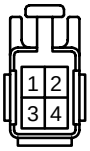
M 5



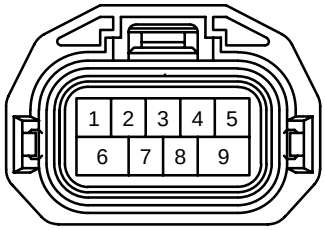
M 6 Gray



M 7

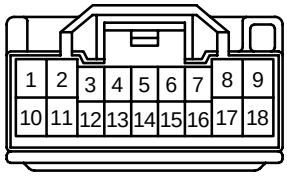


N 1 Gray

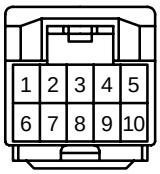


N 2 Gray

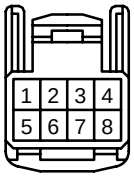
N 3



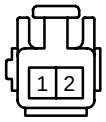
N 4



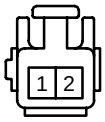
N 5



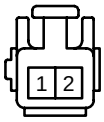
N 6



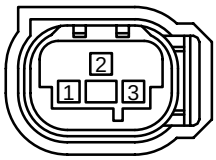
N 7



N 8



O 1 Black



O 2 Gray

P 1 Black

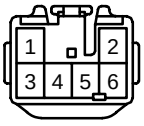
P 2 Black

P 3 Gray

P 4 Black

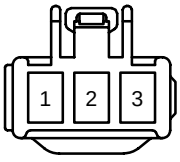
P 5 (*4) Gray

P 5 (*5)

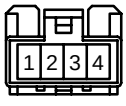


P 6 Black

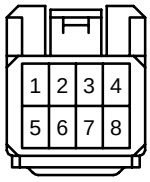
P 7



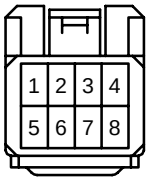
P 8



P 9



P10



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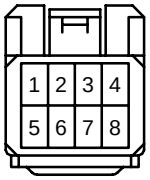
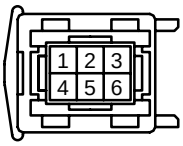
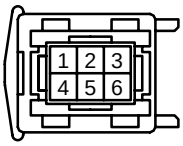
P11



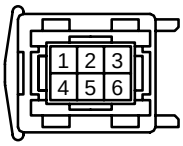
P12
Gray



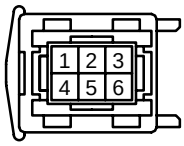
P13
Gray



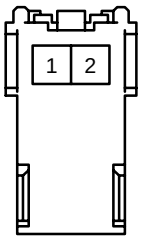
P14
Gray



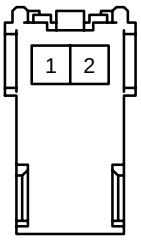
P15
Gray



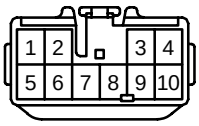
P16
Yellow



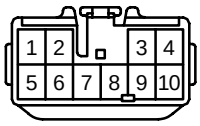
P17
Yellow



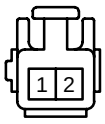
P18
Black



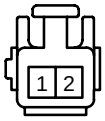
P19
Black



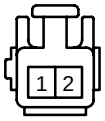
P20



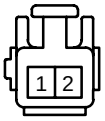
P21
Black



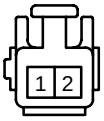
P22



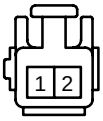
P23
Blue



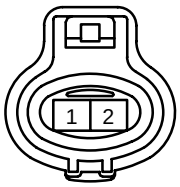
P24



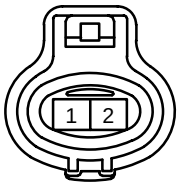
P25
Blue



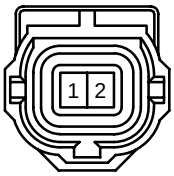
R 1
Gray



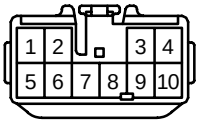
R 2
Black



R 3
Red

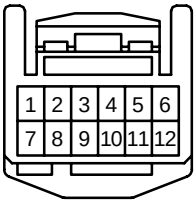


R 4

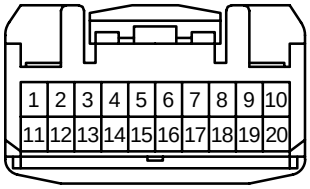


R 5

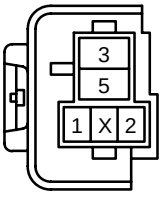
R 6



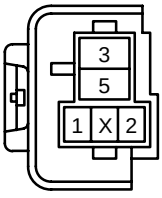
R 7



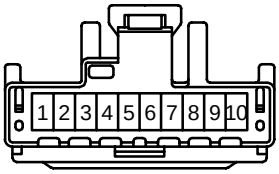
R 8



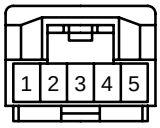
R 9



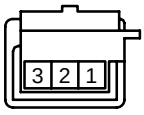
R10



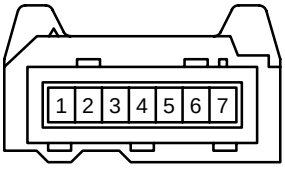
R11



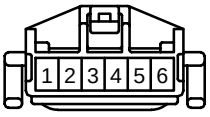
R12
Black



R13
(Except W/G) Black



R13
(W/G)



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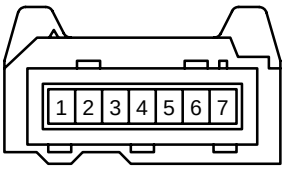
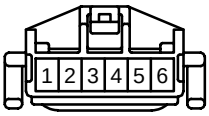
K CONNECTOR LIST

*1 : 1AZ–FSE, 1AZ–FE
*6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE

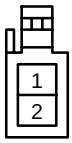
R14
(Except W/G) Black



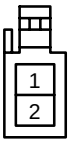
R14
(W/G)



R15
Black



R16
Black



R17

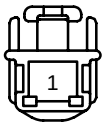
R18
(L/B)

R18
(S/D, W/G)

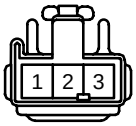
R19
(L/B)

R19
(S/D)

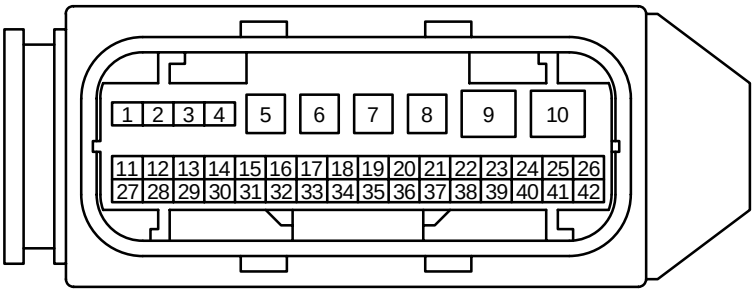
R19
(W/G)



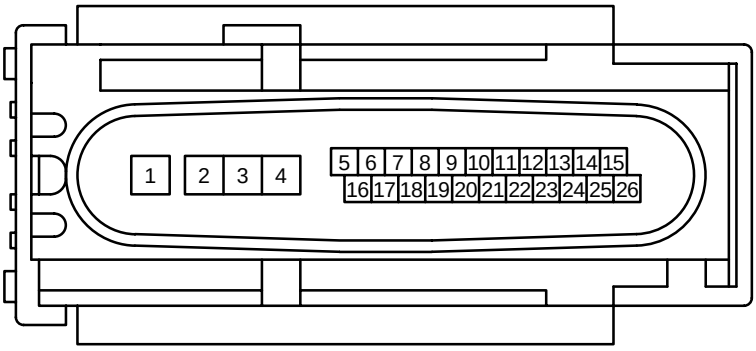
R20
Black



S 1
Black



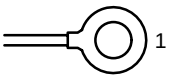
S 2
Black



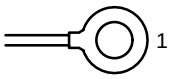
S 3
Gray

S 4
Black

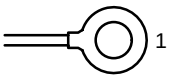
S 5
(*1)



S 5
(1CD–FTV)

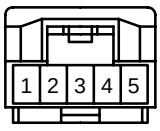


S 5
(1ZZ–FE, 3ZZ–FE)

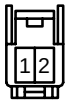


S 6
Gray

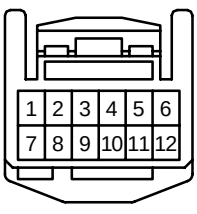
S 7
Black



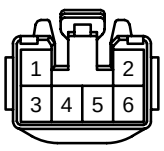
S 8
Black



S 9

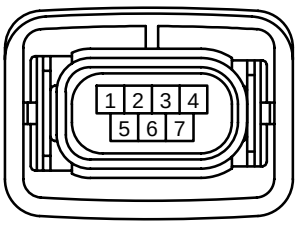


S10
Black

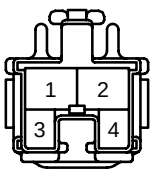


S11
Black

S12
Black



S13
(*6) Black



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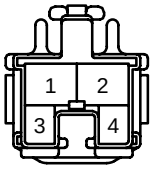
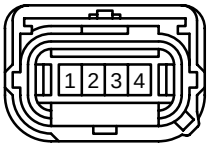
*7 : 1AZ–FSE, 1CD–FTV
*8 : w/ Curtain Shield Airbag
*9 : w/o Curtain Shield Airbag

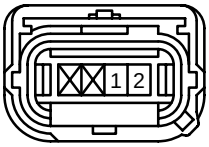
S13
(*7)



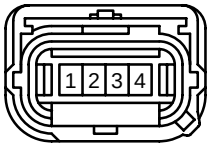
S14
(*8) Yellow



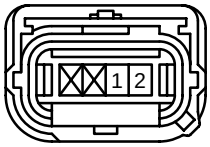
S14
(*9) Yellow



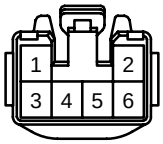
S15
(*8) Yellow



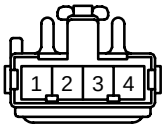
S15
(*9) Yellow



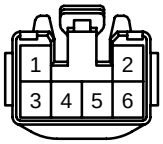
S16
(w/ Power Seat) Gray



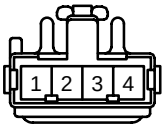
S16
(w/o Power Seat)



S17
(w/ Power Seat) Gray



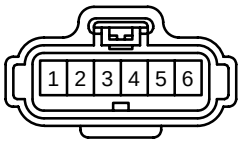
S17
(w/o Power Seat)



S18
Yellow

S19
Yellow

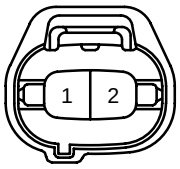
T 1
Black



T 2
Black

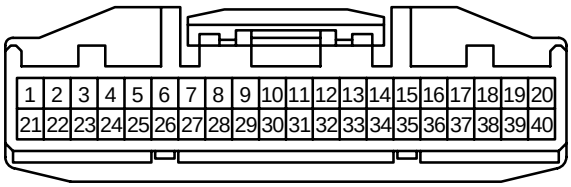
T 3
Gray

T 4
Black

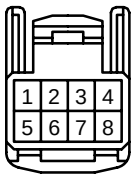


T 5
Black

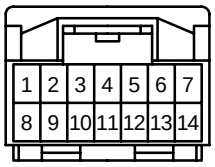
T 6



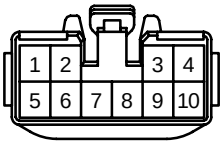
T 7



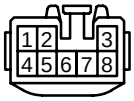
T 8



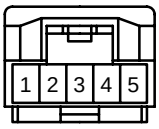
T 9
Black



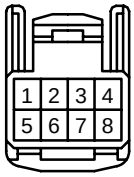
T10
Black



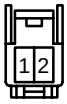
T11



T12

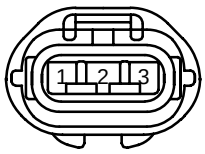


T13

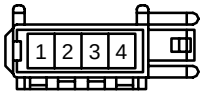


T14
Black

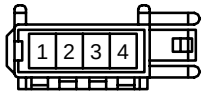
T15
Black



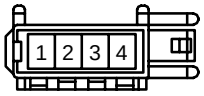
T16



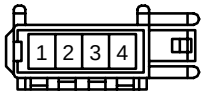
T17



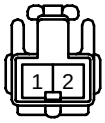
T18



T19



U 1
Black



V 1
Black

V 2
Black

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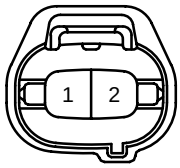
K CONNECTOR LIST

V 3
Black

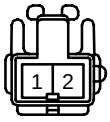
V 4
Black

V 5
Blue

V 6
Brown



V 7
Black

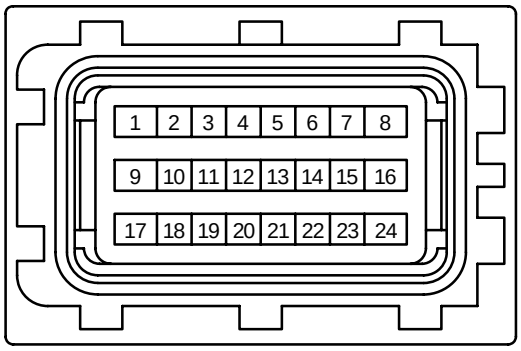


V 8

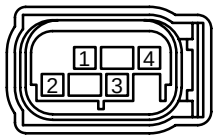
V 9

W 1

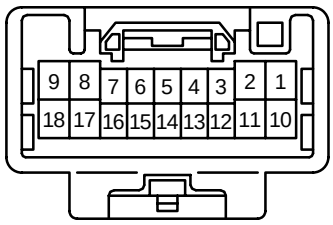
W 2
Black



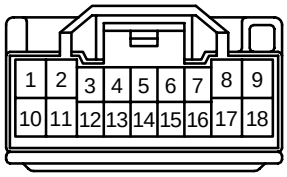
Y 1
Black



Z 1



Z 2



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L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
A 1	A/C Ambient Temp. Sensor	90980–11030
A 2	A/C Condenser Fan Motor	90980–10928
A 3	A/C Pressure Sensor	90980–10845
A 4	ABS Speed Sensor Front LH	90980–11003
A 5	ABS Speed Sensor Front RH	
A 6	Air Flow Meter	90980–11317
A 7	Air Fuel Ratio Sensor (Bank 1 Sensor 1)	90980–11178
A 8	Air Fuel Ratio Sensor (Bank 2 Sensor 1)	90980–10869
A 9	Airbag Sensor Front LH	90980–11856
A10	Airbag Sensor Front RH	
A11	Alternator	90980–11964
A12	Alternator (Except 1CD–FTV)	90980–09212
	Alternator (1CD–FTV)	90980–09213
A13	A/C Control Assembly	90980–12169
A14	A/C Control Assembly	90980–11778
A15	A/C Control Assembly	90980–12259
A16	A/C Control Assembly	90980–12200
A17	A/C Room Temp. Sensor	90980–11918
A18	A/C Solar Sensor	90980–11987
A19	A/C Thermistor	90980–11918
A20	Accel Position Sensor	90980–11144
A21	Air Inlet Control Servo Motor	90980–11987
A22	Air Mix Control Servo Motor	90980–11909
A23	Air Mix Control Servo Motor (Driver Side)	
A24	Air Mix Control Servo Motor (Front Passenger Side)	
A25	Air Vent Mode Control Servo Motor	
A26	Airbag Sensor Assembly	82824–50160
A27	Airbag Sensor Assembly	90980–11872
A28	Airbag Sensor Assembly	82824–50150
A29	Airbag Squib (Front Passenger Airbag Assembly)	90980–12160
A30	Airbag Squib (Steering Wheel Pad)	
A31	Antenna Amplifier	90980–10870
A32	ABS Speed Sensor Rear LH	90980–11060
A33	ABS Speed Sensor Rear RH	
B 1	Back–Up Light SW	90980–10576
B 2	Brake Booster Pressure Sensor	90980–10845
B 3	Brake Fluid Level Warning SW	90080–98001
B 4	Blower Motor	90980–10214
B 5	Blower Motor Controller	90980–11676
B 6	Blower Resistor	90980–11136
B 7	Back Door Courtesy SW	90980–10795
	Back Door Lock Motor	
B 8	Back Door Opener SW	90980–11967
B 9	Buckle SW (Driver's Side)	90980–10942
B10	Buckle SW (Front Passenger's Side)	90980–10795
	Occupant Detection Sensor	
C 1	Camshaft Position Sensor	90980–10947
C 2	Camshaft Timing Oil Control Valve	90980–11162
C 3	Compressor Assembly	90980–11156
C 4	Condenser Assembly	90980–11003
C 5	Counter Gear Speed Sensor	90980–11156
C 6	Crankshaft Position Sensor (1AZ–FSE, 1AZ–FE)	90980–10947
	Crankshaft Position Sensor (1CD–FTV)	90980–12028
	Crankshaft Position Sensor (1ZZ–FE, 3ZZ–FE)	90980–10947
C 7	Cigarette Lighter	90980–10795
	Cigarette Lighter Illumination	
C 8	Circuit Opening Relay	82660–05020
C 9	Clutch Start SW	90980–10825
C10	Combination Meter	90980–11913
C11	Combination Meter	90980–11915
C12	Combination SW	90980–11672
C13	Combination SW	90980–11594
C14	Combination SW	90980–12183
C15	Curtain Shield Airbag Sensor LH	90980–12352
C16	Curtain Shield Airbag Sensor RH	
C17	Curtain Shield Airbag Squib LH	90980–12219
C18	Curtain Shield Airbag Squib RH	
D 1	Diesel Throttle Control Motor	90980–11144
D 2	Diode	90980–11071
D 3	Diode	90980–10962
D 4	Diode (Fan) (Except 1CD–FTV)	90980–11608
	Diode (Fan) (1CD–FTV)	90980–11071
D 5	DLC3	90980–11665
D 6	Door Control Receiver	90980–11909
D 7	Door Courtesy Light LH	90980–11148
D 8	Door Courtesy Light RH	
D 9	Door Courtesy SW Front LH	90980–10871
D10	Door Courtesy SW Front RH	
D11	Door Courtesy SW Rear LH	
D12	Door Courtesy SW Rear RH	
D13	Door Key Lock and Unlock SW (Driver's Side)	90980–12226
	Door Lock Control Motor (Driver's Side)	
	Door Unlock Detection SW (Driver's Side)	

Note: Not all of the above part numbers of the connector are established for the supply.

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Code	Part Name	Part Number
D14	Door Key Lock and Unlock SW (Driver's Side)	90980–12226
	Door Lock Control Motor (Driver's Side)	
	Door Unlock Detection SW (Driver's Side)	
	Double Lock Motor (Driver's Side)	
	Double Lock Position SW (Driver's Side)	
D15	Door Lock Control Motor (Front Passenger's Side)	
D16	Door Lock Control Motor (Front Passenger's Side)	
	Door Unlock Detection SW (Front Passenger's Side)	
	Double Lock Motor (Front Passenger's Side)	
	Double Lock Position SW (Front Passenger's Side)	
D17	Door Lock Control SW	90980–12200
	Power Window Master SW	
D18	Door Lock Motor Rear LH	90980–12226
D19	Door Lock Motor Rear LH	
	Door Unlock Detection SW Rear LH	
	Double Lock Motor Rear LH	
	Double Lock Position SW Rear LH	
D20	Door Lock Motor Rear RH	
D21	Door Lock Motor Rear RH	
	Door Unlock Detection SW Rear RH	
	Double Lock Motor Rear RH	
	Double Lock Position SW Rear RH	
E 1	ECT Solenoid	90980–11658
E 2	EFI Water Temp. Sensor (Except 1AZ–FE)	90980–10737
	EFI Water Temp. Sensor (1AZ–FE)	90980–10735
E 3	EGR Valve Control Motor	90980–11144
E 4	Electronic Driver Unit	90980–11592
E 5	Electronic Driver Unit (1AZ–FSE)	90980–11024
	Electronic Driver Unit (1CD–FTV)	90980–11593
E 6	Engine Hood Courtesy SW	90980–10554
E 7	Engine Oil Level Sensor	90980–11235
E 8	ECT Pattern Select SW	90980–11013
E 9	Engine and ECT ECU (A/T)	90980–12142
	Engine ECU (M/T)	
E10	Engine and ECT ECU (A/T)	90980–12146
	Engine ECU (M/T)	
E11	Engine and ECT ECU (A/T)	90980–12143
	Engine ECU (M/T)	
E12	Engine and ECT ECU (A/T)	90980–12145
	Engine ECU (M/T)	
E13	Engine and ECT ECU (A/T)	90980–12144
	Engine ECU (M/T)	

Code	Part Name	Part Number
E14	EPS ECU	90980–12300
E15	EPS ECU	90980–12290
F 1	Front Clearance Light LH	90980–11149
F 2	Front Clearance Light RH	
F 3	Front Fog Light LH	90980–11660
F 4	Front Fog Light RH	
F 5	Front Side Turn Signal Light LH	90980–11162
F 6	Front Side Turn Signal Light RH	
F 7	Front Turn Signal Light LH	90980–10942
	Headlight Control ECU LH	
F 8	Front Turn Signal Light LH	
	Headlight LH (Low)	
F 9	Front Turn Signal Light RH	
	Headlight Control ECU RH	
F10	Front Turn Signal Light RH	
	Headlight RH (Low)	
F11	Front Washer Motor	90080–98117
F12	Front Window Deicer	90980–11155
F13	Front Wiper Motor	90980–11599
F14	Fuel Filter Warning SW	90980–11002
F15	Fuel Heater	90980–10928
F16	Fuel Pressure Sensor (1AZ–FSE)	90980–11451
	Fuel Pressure Sensor (1CD–FTV)	90980–11194
F17	Fuel Pump	90080–98001
F18	Fuel Temp. Sensor	90980–10737
F19	Front Passenger's Seat Belt Warning Light	90980–11989
	Rear Window Defogger SW	
	Security Indicator Light	
F20	Front Wiper Deicer SW	90980–10797
F21	Front Door Speaker LH	90080–98157
F22	Front Door Speaker RH	
F23	Fuel Lid Opener Motor	90080–98313
F24	Fuel Lid Opener SW	90980–11013
F25	Fuel Pump	90980–11077
	Fuel Sender	
G 1	Glow Plug	99141–13006
G 2	Glow Plug Relay	90980–11569
G 3	Glove Box Light	90980–11098
H 1	Headlight Beam Level Control Actuator LH	90980–11016
H 2	Headlight Beam Level Control Actuator RH	
H 3	Headlight Cleaner Control Relay	90980–10939
H 4	Headlight Cleaner Motor	90080–98116
H 5	Headlight LH (High)	90980–11314
H 6	Headlight RH (High)	

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L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
H 7	Heated Oxygen Sensor (Bank 1 Sensor 1) (1AZ–FSE)	90980–11028
	Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ–FE, 3ZZ–FE)	90980–10869
H 8	Heated Oxygen Sensor (Bank 1 Sensor 2)	90980–11028
H 9	Heated Oxygen Sensor (Bank 2 Sensor 1)	90980–10869
H10	Heated Oxygen Sensor (Bank 2 Sensor 2)	90980–11028
H11	Horn LH	90980–10619
H12	Horn RH	
H13	Hazard SW	90980–10801
H14	Headlight Beam Level Control ECU	90980–12200
H15	Headlight Beam Level Control SW	90980–10789
H16	Headlight Cleaner SW	90980–10601
H17	Heated Oxygen Sensor (Bank 1 Sensor 2)	90980–11930
H18	Height Control Sensor (Front)	90980–11860
H19	Height Control Sensor (Rear)	
H20	High Mounted Stop Light (L/B)	90980–10320
	High Mounted Stop Light (S/D)	90980–WB002
	High Mounted Stop Light (W/G)	90980–11148
I 1	Ignition Coil and Igniter No.1	90980–11885
I 2	Ignition Coil and Igniter No.2	
I 3	Ignition Coil and Igniter No.3	
I 4	Ignition Coil and Igniter No.4	
I 5	Injector No.1 (Except 1AZ–FSE)	90980–11875
	Injector No.1 (1AZ–FSE)	90980–12117
I 6	Injector No.2 (Except 1AZ–FSE)	90980–11875
	Injector No.2 (1AZ–FSE)	90980–12117
I 7	Injector No.3 (Except 1AZ–FSE)	90980–11875
	Injector No.3 (1AZ–FSE)	90980–12117
I 8	Injector No.4 (Except 1AZ–FSE)	90980–11875
	Injector No.4 (1AZ–FSE)	90980–12117
I 9	Intake Air Temp. Sensor	90980–11025
I10	ISC Valve	90980–11145
I11	Ignition Key Cylinder Light	90980–12092
I12	Ignition Key Cylinder Light	
	Transponder Key Amplifier	
I13	Ignition SW	90980–11778
I14	Integration Relay	90980–11915
I15	Inner Mirror	90980–11794
I16	Interior Light	90980–11950
J 1	Junction Connector	90980–10803
J 2	Junction Connector	
J 3	Junction Connector	90980–11661
J 4	Junction Connector	
J 5	Junction Connector	90980–11542
J 6	Junction Connector	90980–11915
J 7	Junction Connector	

Code	Part Name	Part Number
J 8	Junction Connector	90980–11915
J 9	Junction Connector	
J10	Junction Connector	
J11	Junction Connector	
J12	Junction Connector	90980–11661
J13	Junction Connector	
J14	Junction Connector	90980–11542
J15	Junction Connector	90980–10976
J16	Junction Connector	90980–11542
J17	Junction Connector	
J18	Junction Connector	90980–11915
J19	Junction Connector	
J20	Junction Connector	
J21	Junction Connector	
J22	Junction Connector	90980–11661
J23	Junction Connector	
J24	Junction Connector	
J25	Junction Connector	
J26	Junction Connector	90980–11915
J27	Junction Connector	
J28	Junction Connector	90980–11542
J29	Junction Connector	90980–11915
J30	Junction Connector	90980–11661
J31	Junction Connector	
J32	Junction Connector	90980–11542
J33	Junction Connector	90980–11661
J34	Junction Connector	
J35	Junction Connector	
J36	Junction Connector	
J37	Junction Connector	
J38	Junction Connector	
K 1	Knock Sensor	90980–11875
K 2	Kick Down SW	90980–11156
K 3	Knee Airbag Squib	90980–12253
L 1	License Plate Light LH	90080–98001
L 2	License Plate Light RH	
L 3	Luggage Compartment Door Lock Motor	90980–10908
	Luggage Compartment Light SW	
L 4	Luggage Compartment Door Opener SW	90980–11967
L 5	Luggage Compartment Light	90980–11148
L 6	Lumbar Support Control Motor	90980–10825
L 7	Lumbar Support Control SW	90980–10789
M 1	Multi–Display (w/ Navigation System (Map Type))	90980–11877
	Multi–Display (w/o Navigation System (Map Type))	90980–11973

Note: Not all of the above part numbers of the connector are established for the supply.

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Code	Part Name	Part Number
M 2	Multi–Display (w/ Navigation System (Map Type))	90980–11923
	Multi–Display (w/o Navigation System (Map Type))	90980–12209
M 3	Multi–Display	90980–10871
M 4	Mirror Heater LH	90980–12059
	Remote Control Mirror LH	
M 5	Mirror Heater RH	
	Remote Control Mirror RH	
M 6	Moon Roof Control Relay and Motor	82824–05030
M 7	Moon Roof Control SW	90980–10795
N 1	Neutral Start SW	90980–11784
N 2	Noise Filter (Ignition)	90980–10843
N 3	Navigation ECU	90980–11973
N 4	Navigation ECU	90980–11923
N 5	Navigation ECU	90980–12221
N 6	Noise Filter (Rear Window Defogger No.1)	90980–10825
N 7	Noise Filter (Rear Window Defogger No.2)	
N 8	Noise Filter (Stop Light)	
O 1	Oil Pressure Sensor	90080–98200
O 2	Oil Pressure SW	90980–11363
P 1	Power Heater Assembly	90980–10897
P 2	Power Steering Oil Pressure SW	90980–11428
P 3	Pressure Discharge Valve	90980–11285
P 4	Parking Brake SW	90980–10871
P 5	Power Heater SW	90980–10996
P 6	Power Outlet	90080–98182
P 7	PTC Heater	90980–11685
P 8	Personal Light	90980–11950
P 9	Power Window Control SW (Front Passenger Side)	90980–12113
P10	Power Window Control SW Rear LH	
P11	Power Window Control SW Rear RH	
P12	Power Window Motor Front LH	90080–98276
P13	Power Window Motor Front RH	
P14	Power Window Motor Rear LH	
P15	Power Window Motor Rear RH	
P16	Pretensioner LH	90980–12253
P17	Pretensioner RH	
P18	Power Seat Control SW (Driver's Seat)	90980–10997
P19	Power Seat Control SW (Front Passenger's Seat)	
P20	Power Seat Motor (Driver's Seat Front Vertical Control)	90980–10825
P21	Power Seat Motor (Driver's Seat Lifter Control)	
P22	Power Seat Motor (Driver's Seat Reclining Control)	

Code	Part Name	Part Number
P23	Power Seat Motor (Driver's Seat Slide Control)	90980–10825
P24	Power Seat Motor (Front Passenger's Seat Reclining Control)	
P25	Power Seat Motor (Front Passenger's Seat Slide Control)	
R 1	Radiator Fan Motor	90980–10928
R 2	Radiator Fan Resistor	
R 3	Rear Washer Motor	90080–98117
R 4	Radio and Player	90980–10997
R 5	Radio and Player	90980–10996
R 6	Radio and Player	90980–12183
R 7	Radio and Player	90980–12259
R 8	Rear Fog Light Relay	82660–05010
R 9	Rear Window Defogger Relay	82660–05020
R10	Remote Control Mirror SW	90980–11657
R11	Remote Controller (Navigation)	90980–11909
R12	Rain Sensor	90080–98309
R13	Rear Combination Light LH (Except W/G)	90080–98175
	Rear Combination Light LH (W/G)	90980–10964
R14	Rear Combination Light RH (Except W/G)	90080–98175
	Rear Combination Light RH (W/G)	90980–10964
R15	Rear Door Speaker LH	90080–98157
R16	Rear Door Speaker RH	
R17	Rear Interior Light	90980–11148
R18	Rear Window Defogger (L/B)	90980–11258
	Rear Window Defogger (S/D, W/G)	90980–11259
R19	Rear Window Defogger (L/B)	90980–11258
	Rear Window Defogger (S/D)	90980–10786
	Rear Window Defogger (W/G)	90980–11259
R20	Rear Wiper Motor and Relay	90980–10908
S 1	Skid Control ECU with Actuator	90080–98278
S 2	Skid Control ECU with Actuator	90980–WB001
S 3	Spill Valve	90980–12117
S 4	Starter	90980–11400
S 5	Starter (1AZ–FSE, 1AZ–FE)	90980–09506
	Starter (1CD–FTV)	90980–09507
	Starter (1ZZ–FE, 3ZZ–FE)	90980–09463
S 6	Suction Control Valve	90980–11285
S 7	Seat Heater SW	90980–11909
S 8	Seat Heater SW	90980–11918
S 9	Shift Lock Control ECU	90980–12183
S10	Short Connector	90980–10797
S11	Short Connector	90980–10796
S12	Steering Sensor	90080–98241
S13	Stop Light SW	90980–11118

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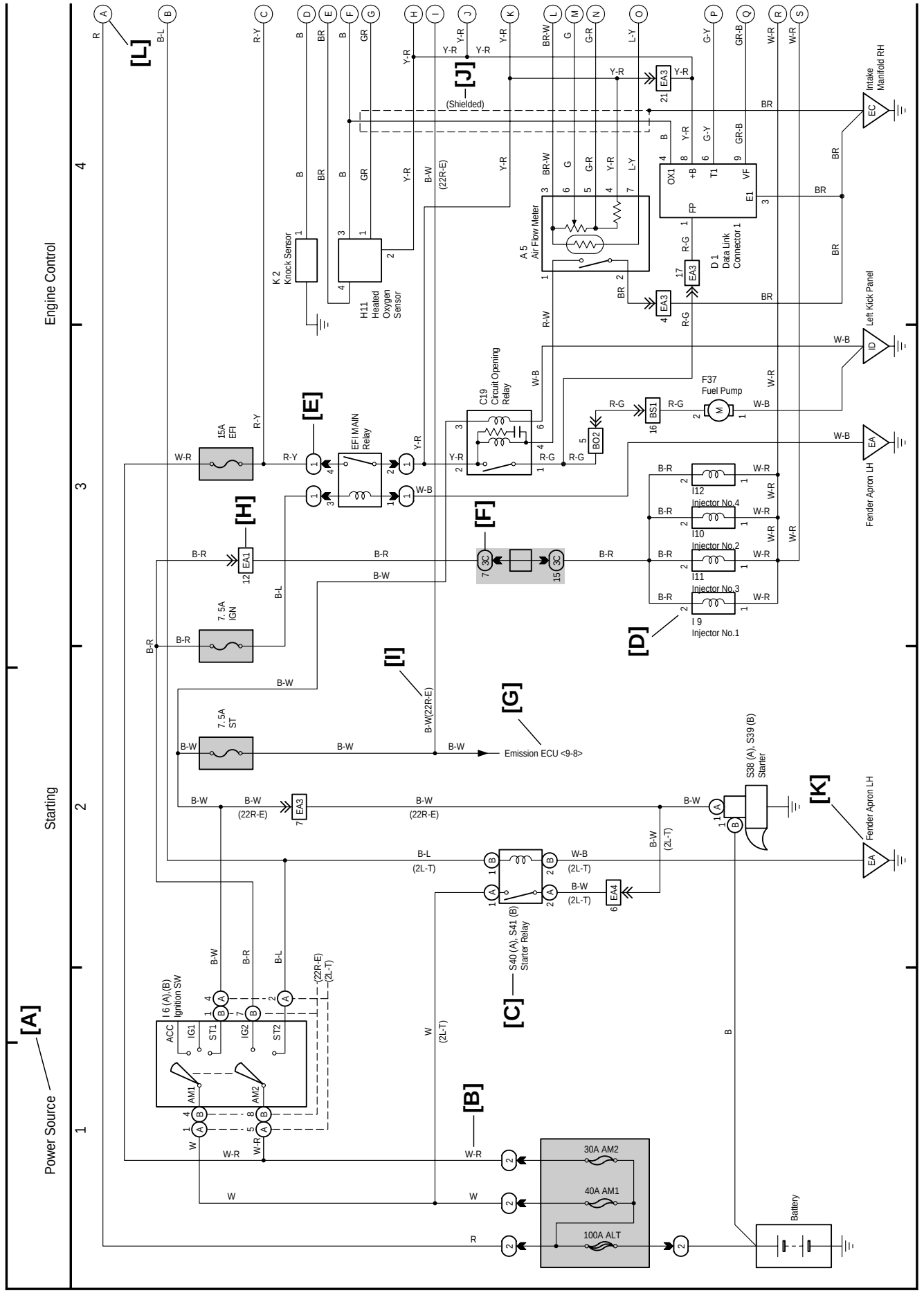
L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
S14	Side Airbag Sensor LH (w/ Curtain Shield Airbag)	90980–12225
	Side Airbag Sensor LH (w/o Curtain Shield Airbag)	90980–12352
S15	Side Airbag Sensor RH (w/ Curtain Shield Airbag)	90980–12225
	Side Airbag Sensor RH (w/o Curtain Shield Airbag)	90980–12352
S16	Seat Heater LH (w/ Power Seat)	90980–10797
	Seat Heater LH (w/o Power Seat)	90980–11090
S17	Seat Heater RH (w/ Power Seat)	90980–10797
	Seat Heater RH (w/o Power Seat)	90980–11090
S18	Side Airbag Squib LH	90980–11864
S19	Side Airbag Squib RH	
T 1	Throttle Control Motor and Position Sensor	90980–11858
T 2	Throttle Position Sensor	90980–11261
T 3	Throttle Position SW	90980–11038
T 4	Turbine Speed Sensor	90980–11156
T 5	Turbo Pressure Sensor	90980–10845
T 6	Theft Deterrent ECU	90980–12169
T 7	Transmission Control SW	90980–12221
T 8	Transponder Key Computer	90980–11911
T 9	TRC Off SW	90980–10801
T10	Turn Signal Flasher Relay	90980–10799
T11	Telephone Microphone Amplifier	90980–11909
T12	Theft Warning Ultrasonic Sensor	90980–12221
T13	Theft Warning Ultrasonic Sensor Rear LH	90980–11918
T14	Theft Warning Ultrasonic Sensor Rear RH	
T15	Theft Warning Siren	90980–11349
T16	Tweeter Front LH	90980–12304
T17	Tweeter Front RH	
T18	Tweeter Rear LH	
T19	Tweeter Rear RH	
U 1	Unlock Warning SW	90980–10860
V 1	Vacuum Sensor	90980–10845
V 2	Vacuum SW	90980–11252
V 3	Variable Resistor	90980–10902
V 4	VRV (EGR)	90980–11162
V 5	VSV (EVAP)	90980–10572
V 6	VSV (Intake Air Control Valve)	90980–11149
V 7	VSC Warning Buzzer	90980–10906
V 8	Vanity Light LH	90980–11918
V 9	Vanity Light RH	
W 1	Water Temp. SW (Radiator Fan)	90980–11235
W 2	Wiper Relay	90080–98318
Y 1	Yaw Rate Sensor	90080–98249
Z 1	Option Connector (Navigation ECU)	82824–30240
Z 2	Option Connector (Navigation ECU)	90980–11973

Code	Part Name	Part Number

Code	Part Name	Part Number	Code	Part Name	Part Number

* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the wiring diagram section.



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[A] : System Title

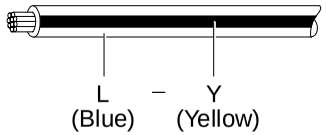
[B] : Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

B	= Black	W	= White	BR	= Brown
L	= Blue	V	= Violet	SB	= Sky Blue
R	= Red	G	= Green	LG	= Light Green
P	= Pink	Y	= Yellow	GR	= Gray
O	= Orange				

The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

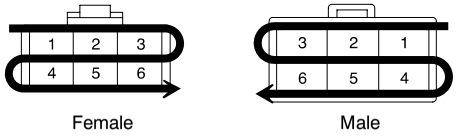
Example: L – Y



[C] : The position of the parts is the same as shown in the wiring diagram and wire routing.

[D] : Indicates the pin number of the connector. The numbering system is different for female and male connectors.

Example : Numbered in order from upper left to lower right / Numbered in order from upper right to lower left



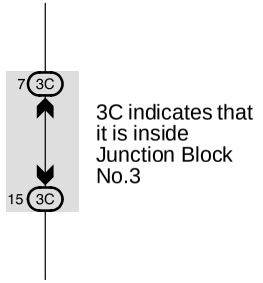
The numbering system for the overall wiring diagram is the same as above

[E] : Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B.

Example : (1) Indicates Relay Block No.1

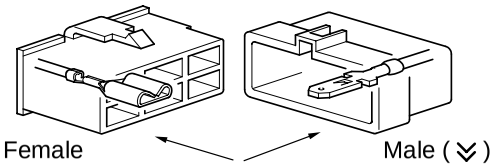
[F] : Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

Example:



[G] : Indicates related system.

[H] : Indicates the wiring harness and wiring harness connector. The wiring harness with male terminal is shown with arrows (⩔). Outside numerals are pin numbers.



[I] : ( ) is used to indicate different wiring and connector, etc. when the vehicle model, engine type, or specification is different.

[J] : Indicates a shielded cable.

[K] : Indicates and located on ground point.

[L] : The same code occuring on the next page indicates that the wire harness is continuous.

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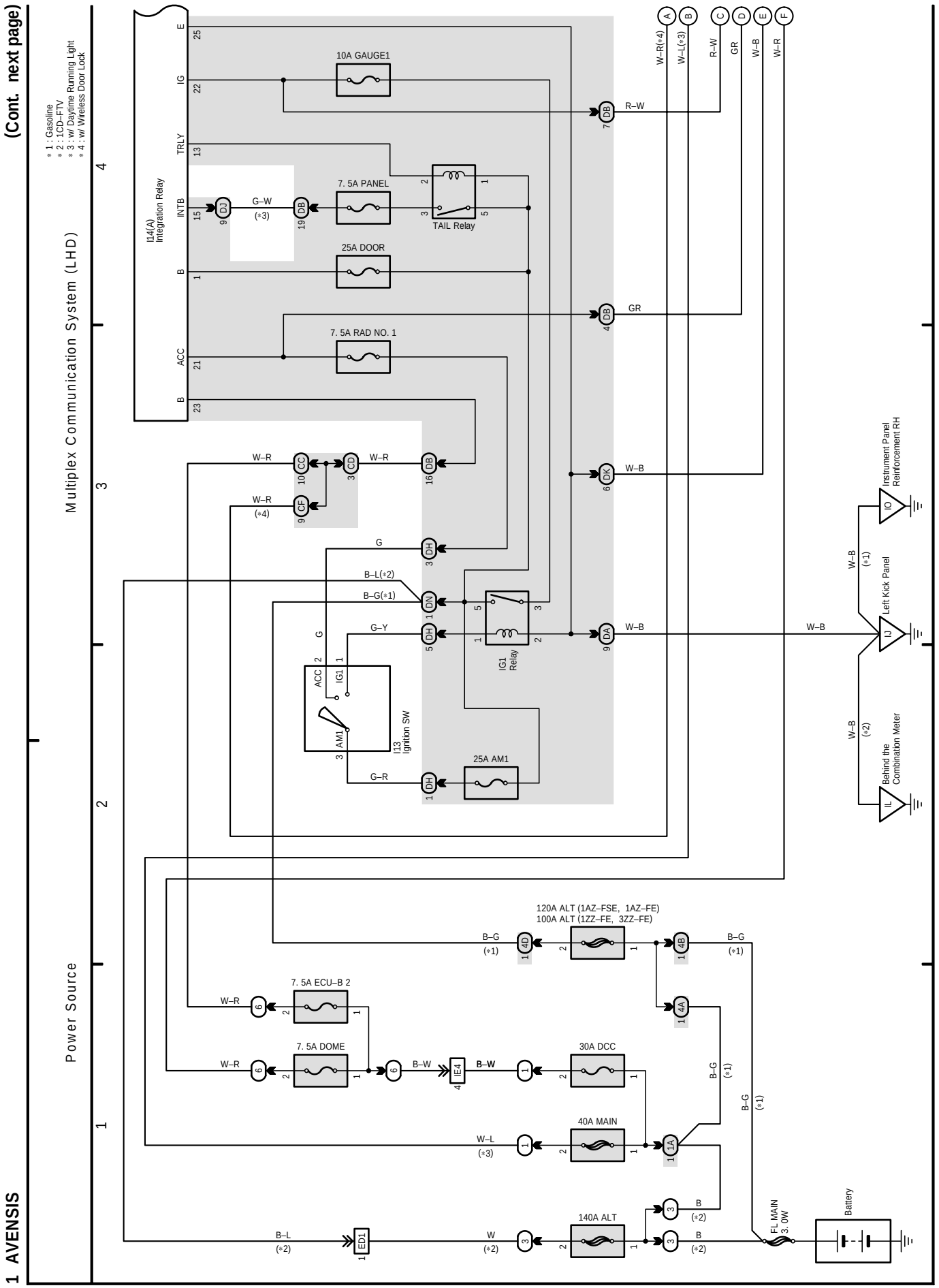
(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
Multiplex Communication System (LHD)
Power Source
1 AVENSIS
I14(A) Integration Relay
10A GAUGE1
7. 5A PANEL
TAIL Relay
25A DOOR
7. 5A RAD NO. 1
25A AM1
I13 Ignition SW
IG1 Relay
7. 5A ECU–B 2
7. 5A DOME
30A DCC
40A MAIN
120A ALT (1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN
Battery
Instrument Panel Reinforcement RH
Left Kick Panel
Behind the Combination Meter

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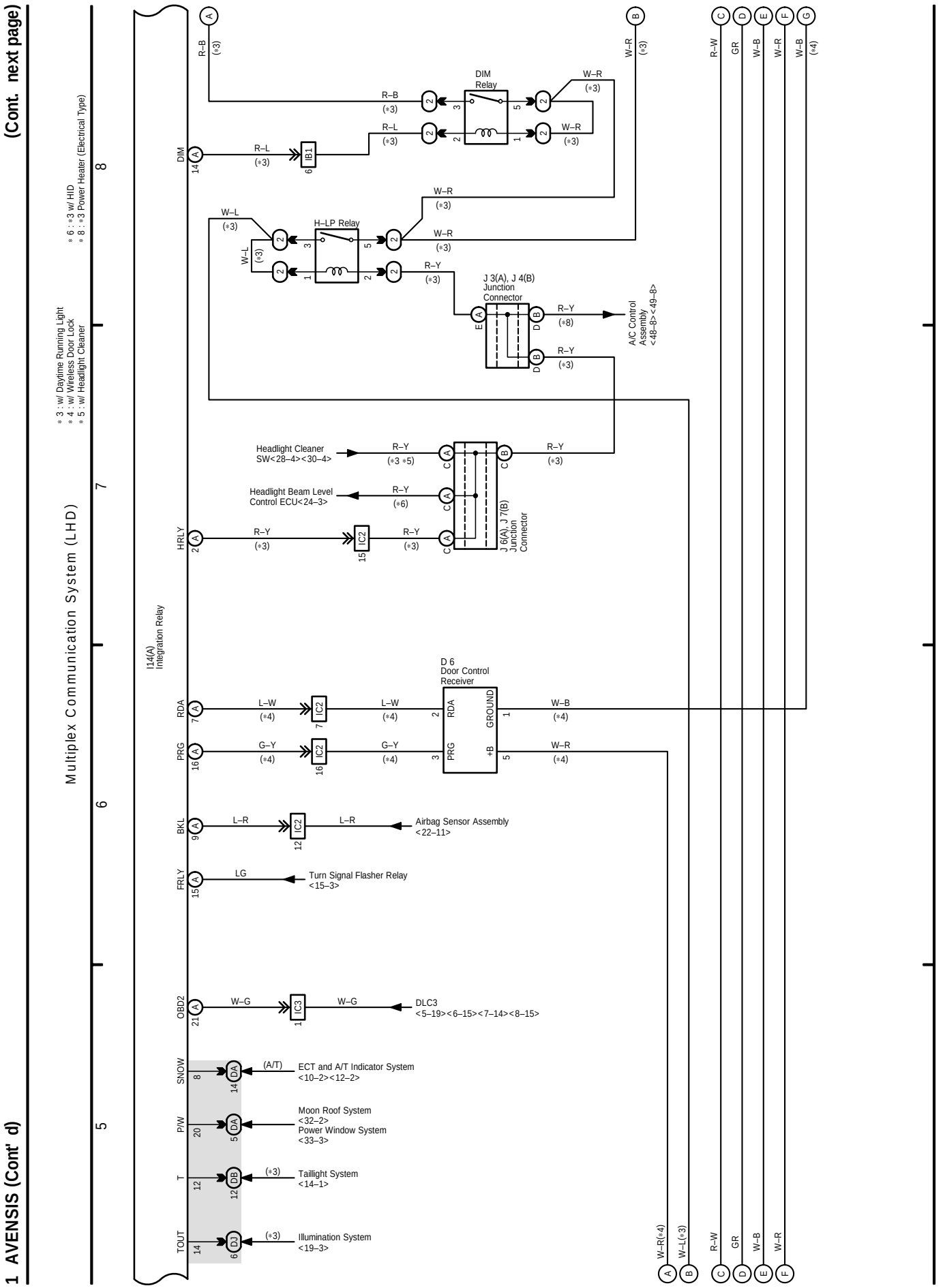
1 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (LHD)
5
6
7
8
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
* 5 : w/ Headlight Cleaner
* 6 : *3 w/ HID
* 8 : *3 Power Heater (Electrical Type)
I14(A) Integration Relay
DIM
HRLY
RDA
PRG
BKL
FRLY
OBD2
SNOW
P/W
T
TOUT
DIM Relay
H–LP Relay
J 3(A), J 4(B) Junction Connector
A/C Control Assembly <48–8><49–8>
Headlight Cleaner SW<28–4><30–4>
Headlight Beam Level Control ECU<24–3>
J 6(A), J 7(B) Junction Connector
D 6 Door Control Receiver
Airbag Sensor Assembly <22–11>
Turn Signal Flasher Relay <15–3>
DLC3 <5–19><6–15><7–14><8–15>
ECT and A/T Indicator System <10–2><12–2>
Moon Roof System <32–2>
Power Window System <33–3>
Taillight System <14–1>
Illumination System <19–3>
R–B (*3)
W–R (*3)
R–W
GR
W–B
W–R
W–B (*4)
R–L (*3)
W–L (*3)
R–Y (*3)
L–W (*4)
G–Y (*4)
L–R
LG
W–G
(A/T)
(*3)
R–Y (*8)
R–Y (*3 *5)
R–Y (*6)
W–B (*4)
W–R (*4)
W–R(*4)
W–L(*3)

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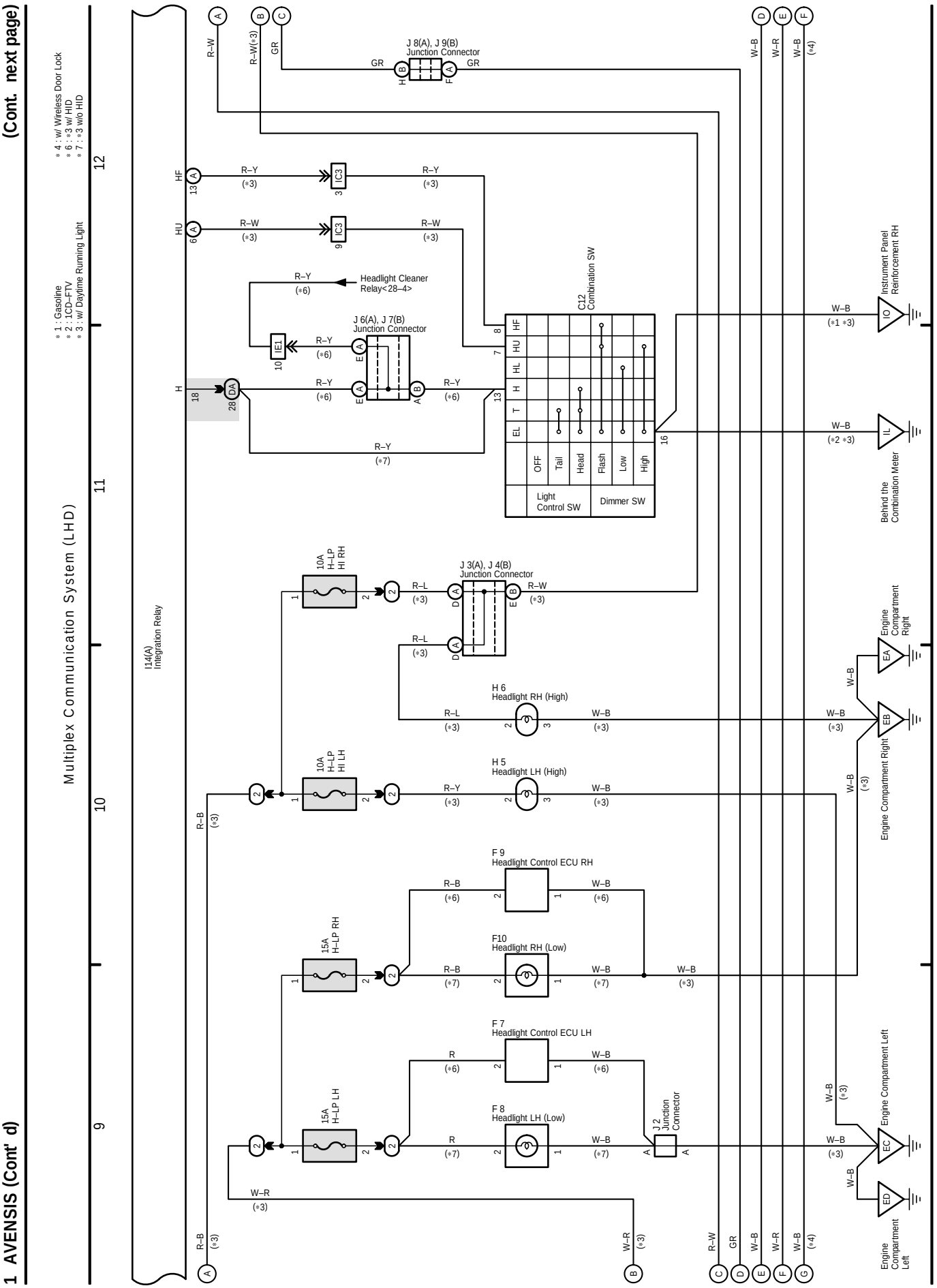
(Cont. next page)
1 AVENSIS (Cont' d)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
* 6 : *3 w/ HID
* 7 : *3 w/o HID
Multiplex Communication System (LHD)
I14(A) Integration Relay
J 8(A), J 9(B) Junction Connector
J 6(A), J 7(B) Junction Connector
J 3(A), J 4(B) Junction Connector
J 2 Junction Connector
C12 Combination SW
Light Control SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
Headlight Cleaner Relay<28–4>
IE1
IC3
10A H–LP HI RH
10A H–LP HI LH
15A H–LP RH
15A H–LP LH
H 6 Headlight RH (High)
H 5 Headlight LH (High)
F 9 Headlight Control ECU RH
F10 Headlight RH (Low)
F 7 Headlight Control ECU LH
F 8 Headlight LH (Low)
Instrument Panel Reinforcement RH
Behind the Combination Meter
Engine Compartment Right
Engine Compartment Left
R–W
R–W(*3)
GR
R–Y
R–L
R–B
W–B
W–R
R
H
HF
HU
HL
T
EL
IO
IL
EA
EB
EC
ED

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1 AVENSIS (Cont' d)

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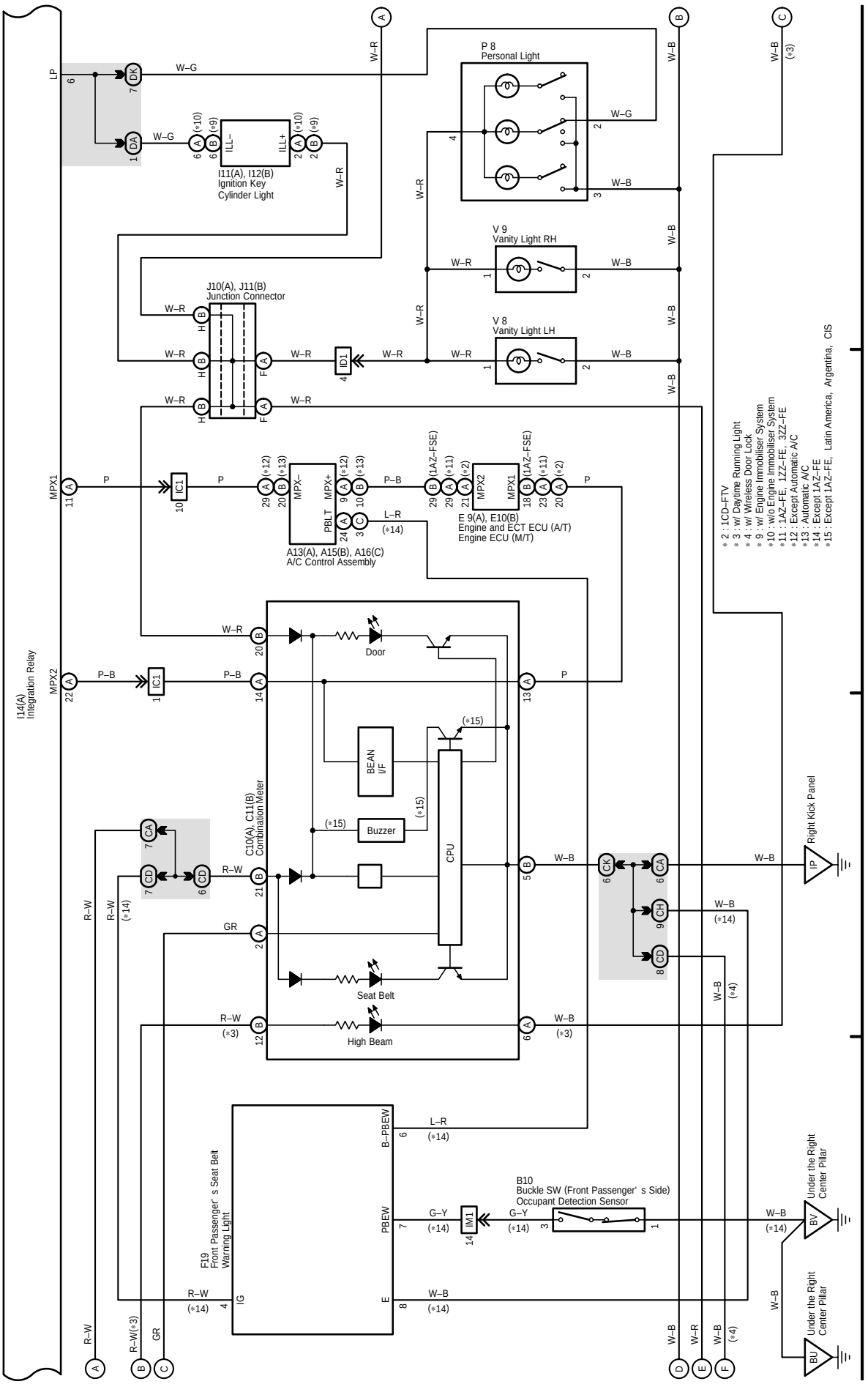

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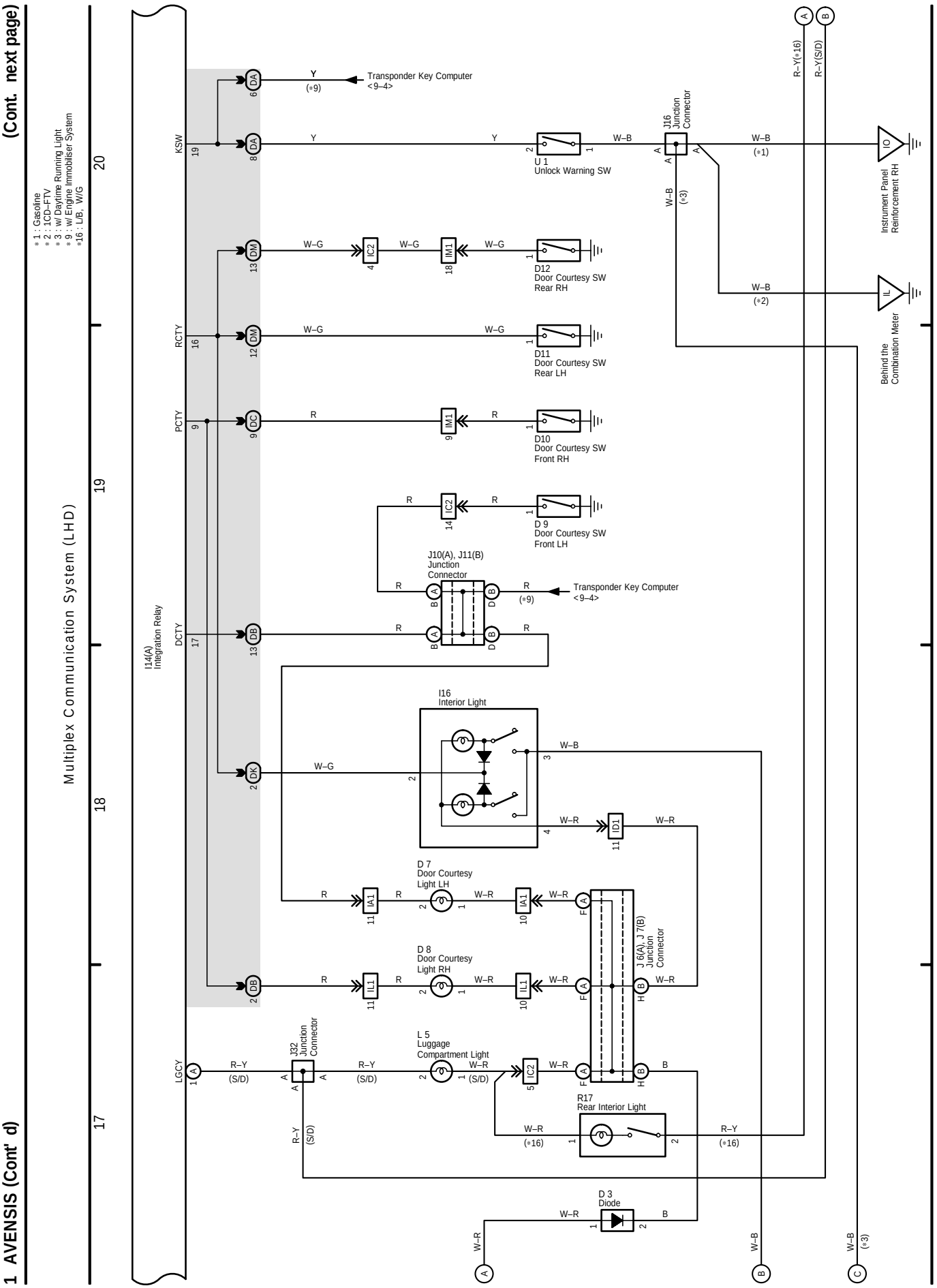
(Cont. next page)
1 AVENSIS (Cont' d)
Multiplex Communication System (LHD)
17
18
19
20
*1 : Gasoline
*2 : 1CD–FTV
*3 : w/ Daytime Running Light
*9 : w/ Engine Immobiliser System
*16 : LB, WG
Transponder Key Computer <9–4>
U 1 Unlock Warning SW
J16 Junction Connector
Instrument Panel Reinforcement RH
Behind the Combination Meter
D12 Door Courtesy SW Rear RH
D11 Door Courtesy SW Rear LH
D10 Door Courtesy SW Front RH
D 9 Door Courtesy SW Front LH
J10(A), J11(B) Junction Connector
I14(A) Integration Relay
I16 Interior Light
D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
J 6(A), J 7(B) Junction Connector
J32 Junction Connector
L 5 Luggage Compartment Light
R17 Rear Interior Light
D 3 Diode

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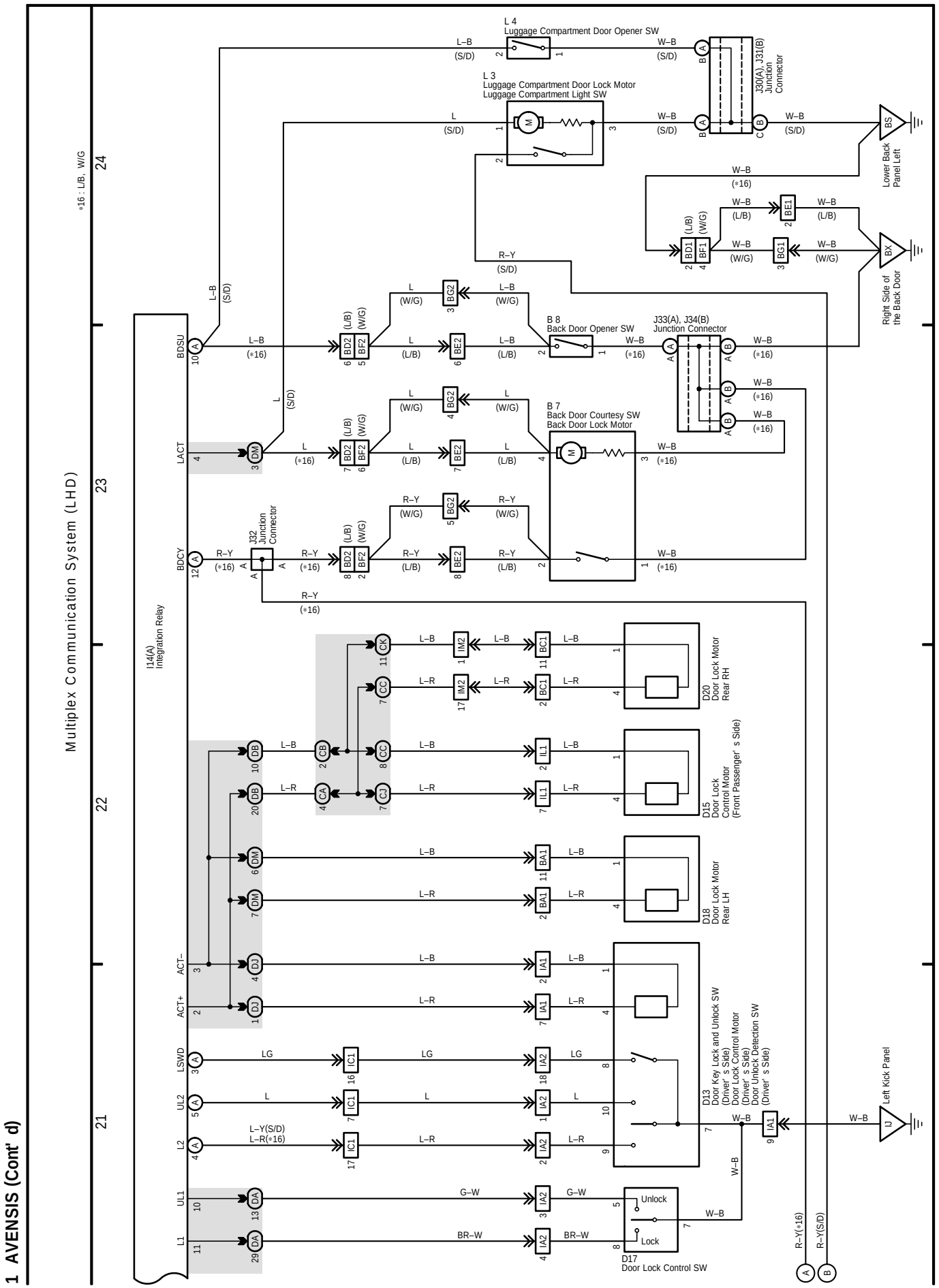
1 AVENSIS (Cont' d)
Multiplex Communication System (LHD)
*16 : L/B, W/G
L 4
Luggage Compartment Door Opener SW
L 3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
J30(A), J31(B)
Junction Connector
Lower Back Panel Left
Right Side of the Back Door
B 8
Back Door Opener SW
J33(A), J34(B)
Junction Connector
B 7
Back Door Courtesy SW
Back Door Lock Motor
J32
Junction Connector
I14(A)
Integration Relay
D20
Door Lock Motor
Rear RH
D15
Door Lock
Control Motor
(Front Passenger' s Side)
D18
Door Lock Motor
Rear LH
D13
Door Key Lock and Unlock SW
(Driver' s Side)
Door Lock Control Motor
(Driver' s Side)
Door Unlock Detection SW
(Driver' s Side)
D17
Door Lock Control SW
Unlock
Lock
Left Kick Panel
BDSU
LACT
BDCY
ACT–
ACT+
LSWD
UL2
L2
UL1
L1

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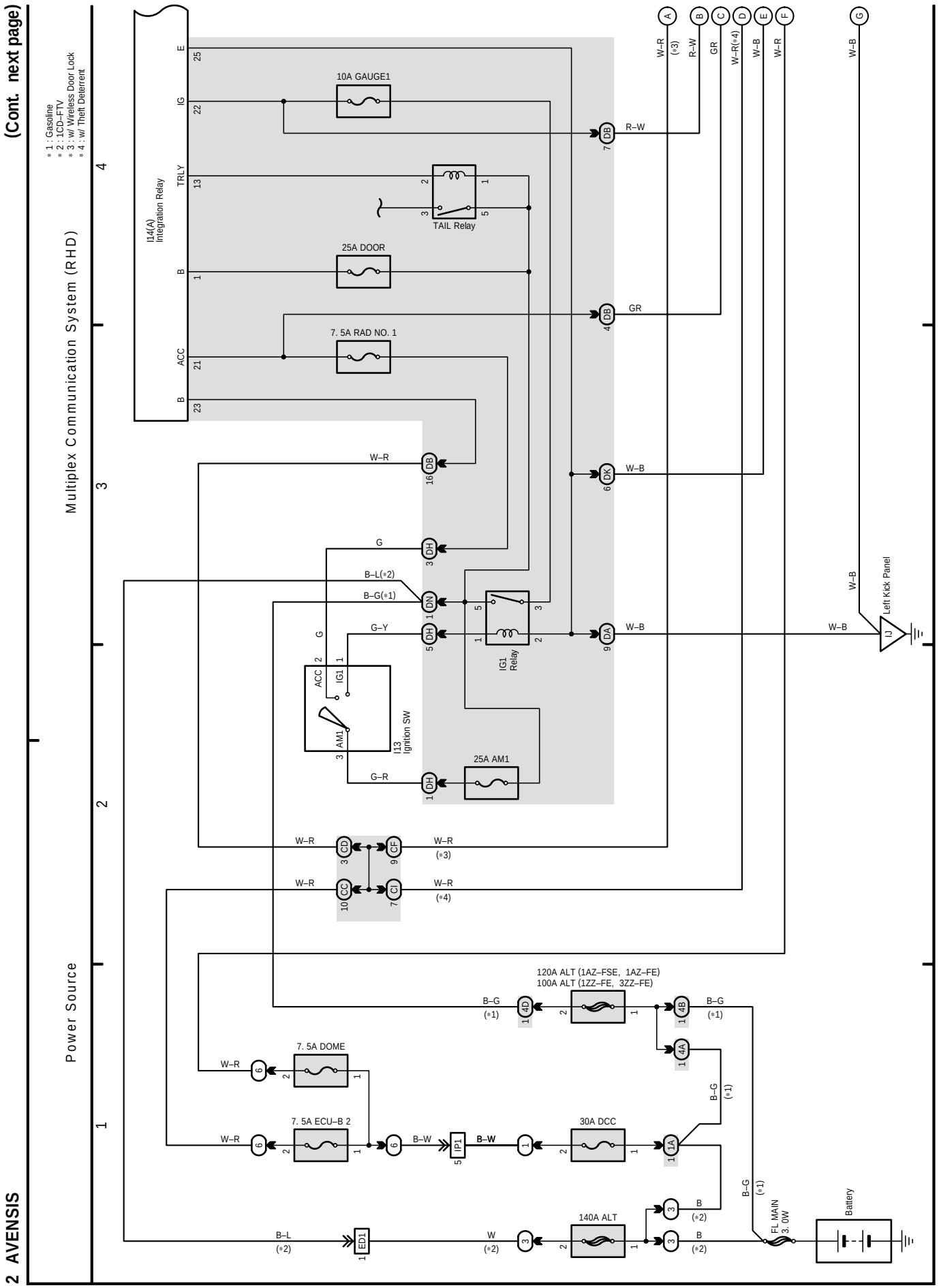
(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Wireless Door Lock
* 4 : w/ Theft Deterrent
Multiplex Communication System (RHD)
Power Source
2 AVENSIS
I14(A) Integration Relay
10A GAUGE1
TAIL Relay
25A DOOR
7. 5A RAD NO. 1
IG1 Relay
I13 Ignition SW
25A AM1
120A ALT (1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
7. 5A DOME
7. 5A ECU–B 2
30A DCC
140A ALT
FL MAIN 3. 0W
Battery
IJ Left Kick Panel

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2 AVENSIS (Cont' d)

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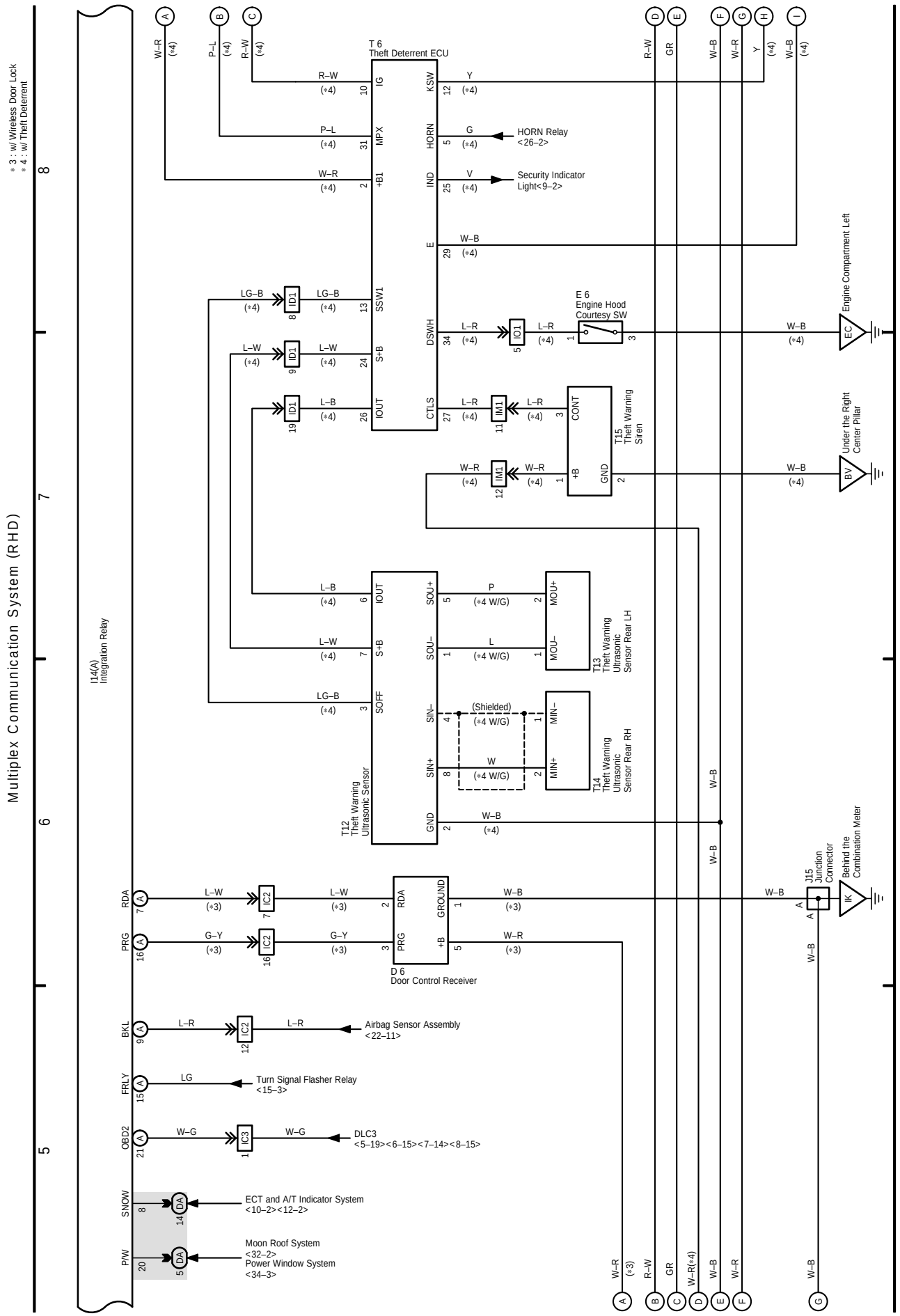

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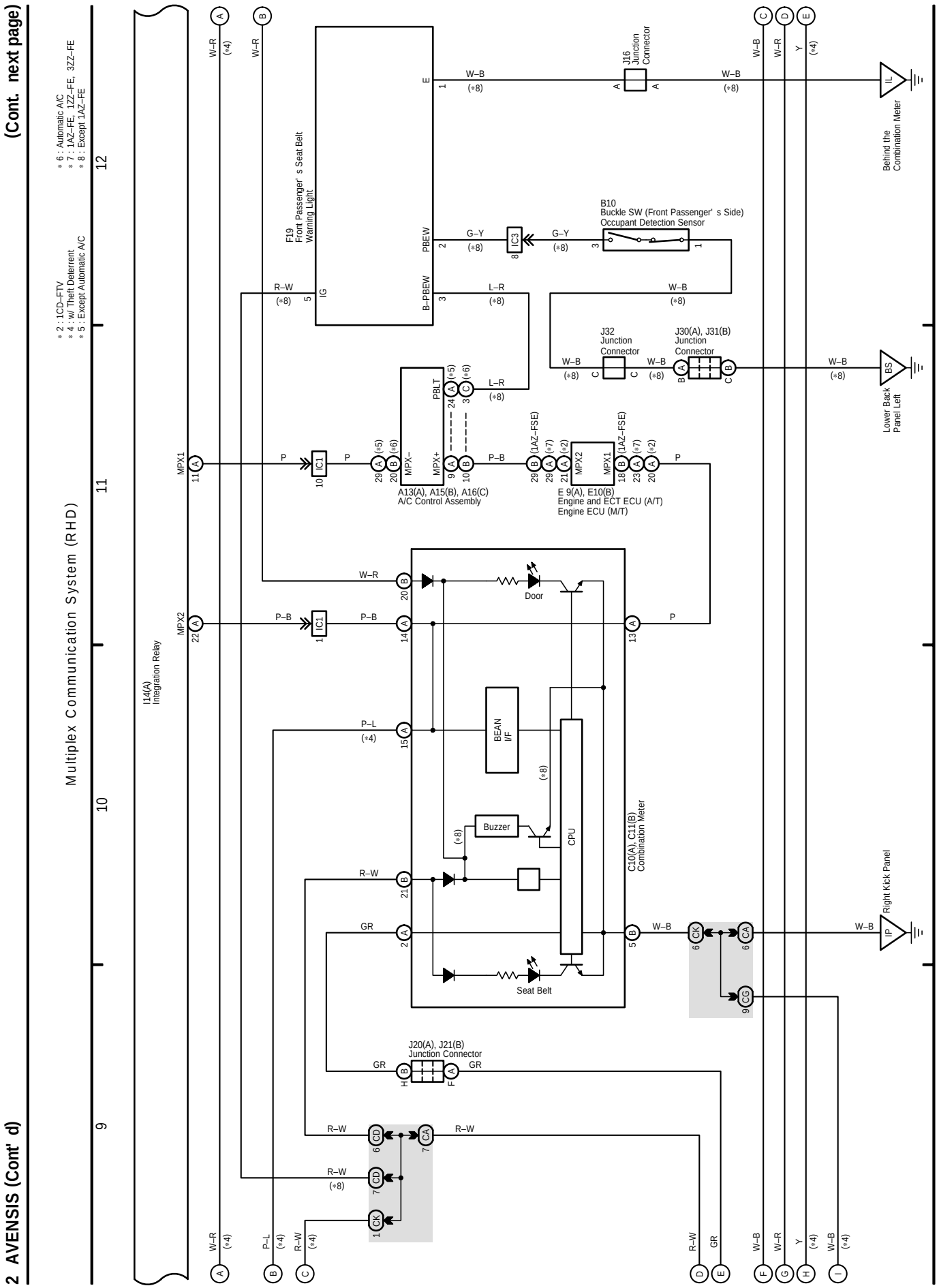
2 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (RHD)
9
10
11
12
* 2 : 1CD–FTV
* 4 : w/ Theft Deterrent
* 5 : Except Automatic A/C
* 6 : Automatic A/C
* 7 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 8 : Except 1AZ–FE
I14(A)
Integration Relay
F19
Front Passenger' s Seat Belt
Warning Light
J16
Junction
Connector
Behind the
Combination Meter
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
IC3
J32
Junction
Connector
J30(A), J31(B)
Junction
Connector
Lower Back
Panel Left
A13(A), A15(B), A16(C)
A/C Control Assembly
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
IC1
Door
Seat Belt
BEAN
I/F
Buzzer
CPU
C10(A), C11(B)
Combination Meter
Right Kick Panel
J20(A), J21(B)
Junction Connector
MPX1
MPX2
MPX–
MPX+
PBLT
PBEW
IG
B–PBEW

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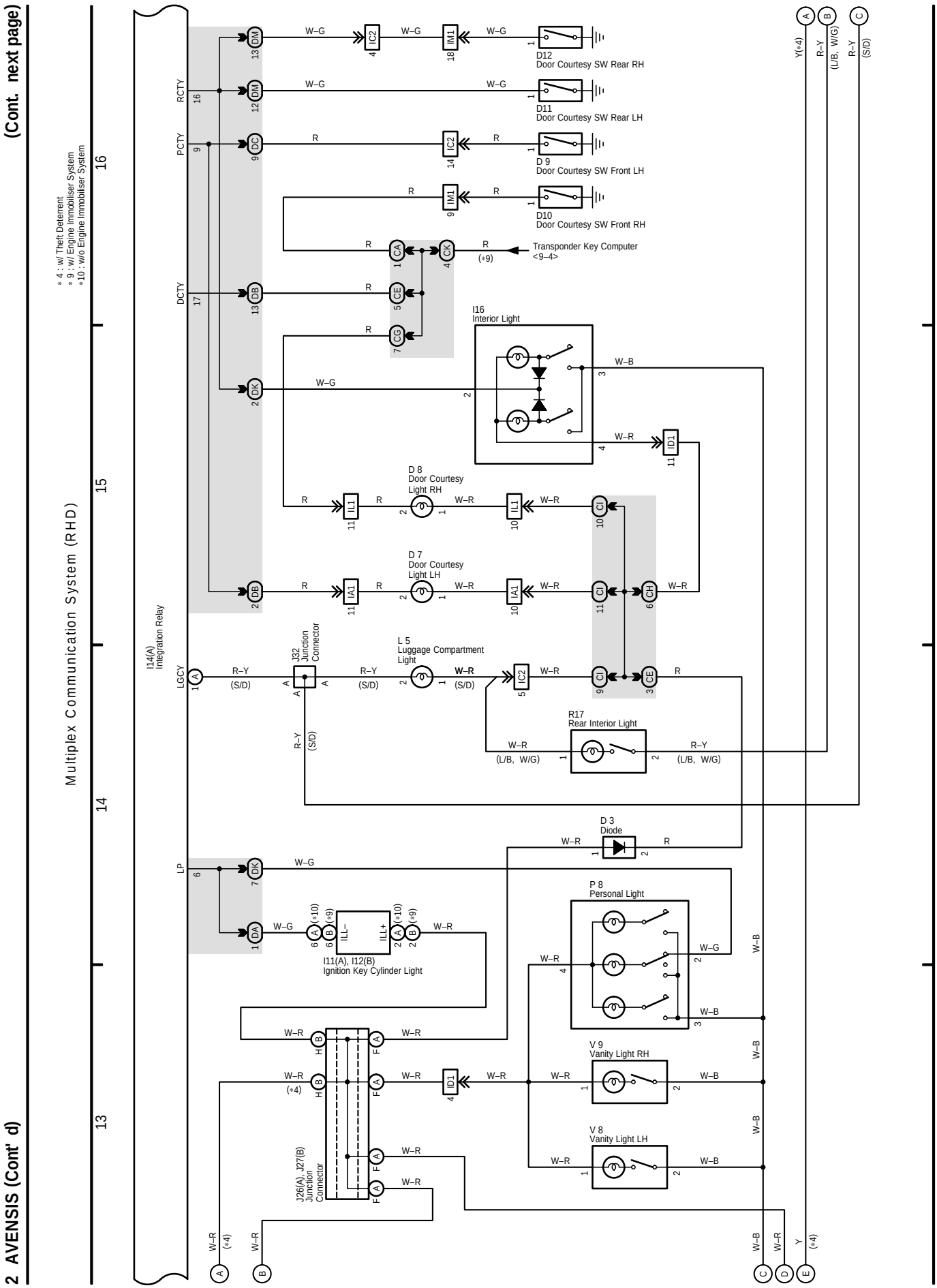
2 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (RHD)
16
15
14
13
*4 : w/ Theft Deterrent
*9 : w/ Engine Immobiliser System
*10 : w/o Engine Immobiliser System
I14(A)
Integration Relay
D12
Door Courtesy SW Rear RH
D11
Door Courtesy SW Rear LH
D 9
Door Courtesy SW Front LH
D10
Door Courtesy SW Front RH
Transponder Key Computer
I16
Interior Light
D 8
Door Courtesy
Light RH
D 7
Door Courtesy
Light LH
J32
Junction
Connector
L 5
Luggage Compartment
Light
R17
Rear Interior Light
D 3
Diode
P 8
Personal Light
I11(A), I12(B)
Ignition Key Cylinder Light
V 9
Vanity Light RH
V 8
Vanity Light LH
J26(A), J27(B)
Junction
Connector

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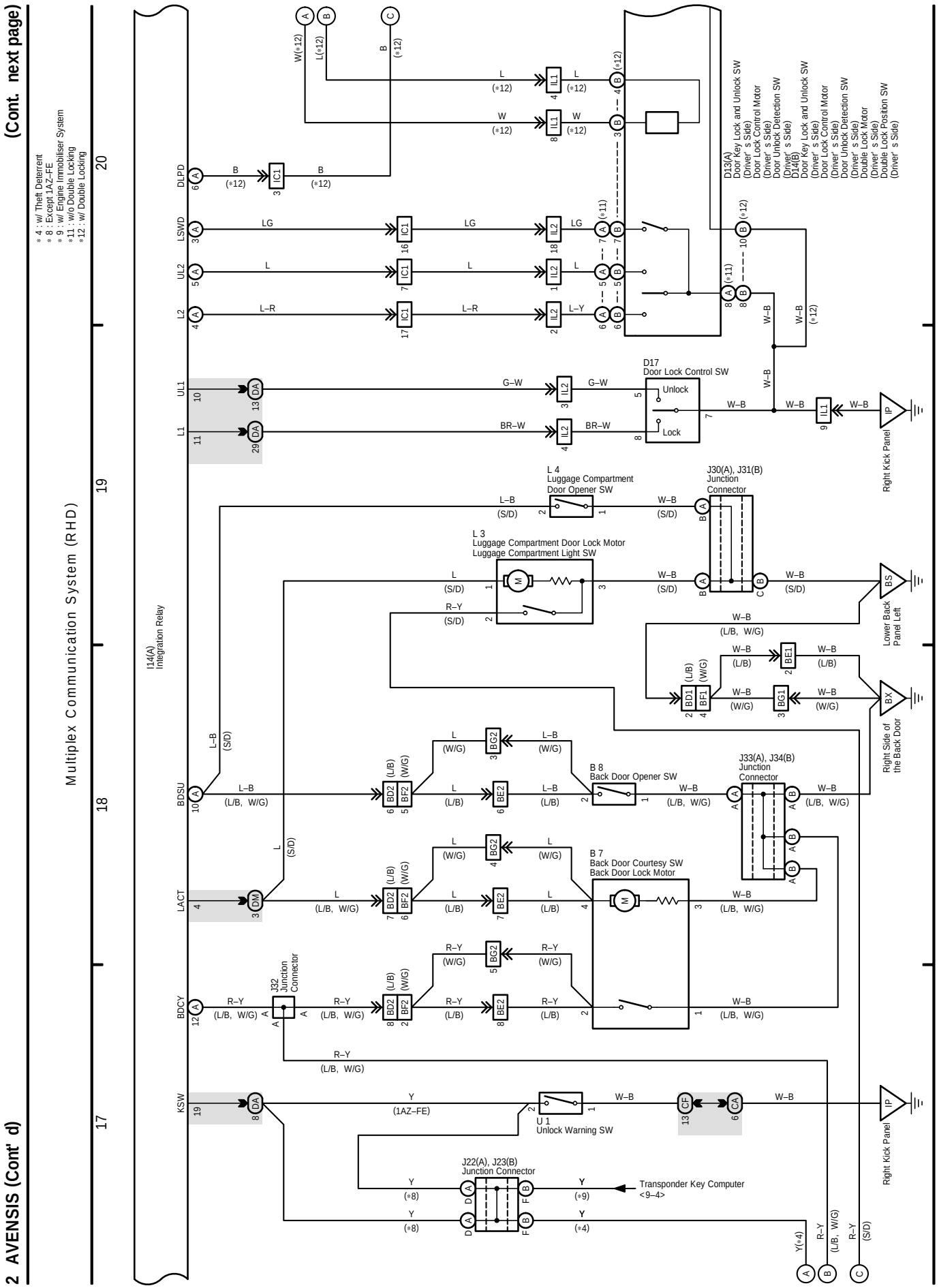
(Cont. next page)
2 AVENSIS (Cont' d)
Multiplex Communication System (RHD)
17
18
19
20
* 4 : w/ Theft Deterrent
* 8 : Except 1AZ–FE
* 9 : w/ Engine Immobiliser System
*11 : w/o Double Locking
*12 : w/ Double Locking
I14(A) Integration Relay
D13(A) Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D13(B) Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D17 Door Lock Control SW
Unlock
Lock
Right Kick Panel
L 4 Luggage Compartment Door Opener SW
J30(A), J31(B) Junction Connector
L 3 Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
Lower Back Panel Left
Right Side of the Back Door
B 8 Back Door Opener SW
J33(A), J34(B) Junction Connector
B 7 Back Door Courtesy SW
Back Door Lock Motor
J32 Junction Connector
U 1 Unlock Warning SW
J22(A), J23(B) Junction Connector
Transponder Key Computer
<9–4>

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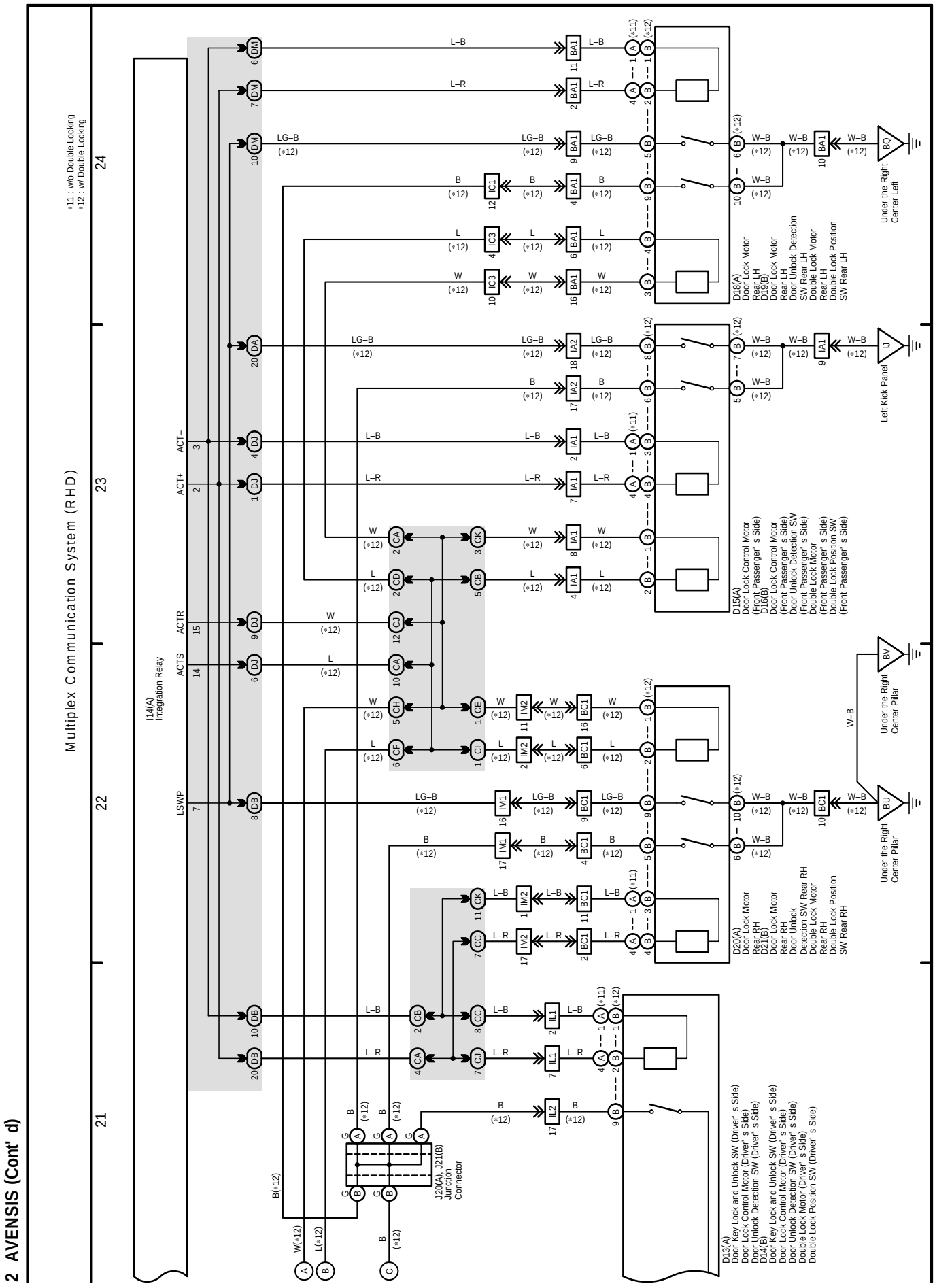
2 AVENSIS (Cont' d)
Multiplex Communication System (RHD)
*11 : w/o Double Locking
*12 : w/ Double Locking
I14(A)
Integration Relay
LSWP
ACTS
ACTR
ACT+
ACT–
J20(A), J21(B)
Junction
Connector
D13(A)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D14(B)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
Double Lock Motor (Driver' s Side)
Double Lock Position SW (Driver' s Side)
D20(A)
Door Lock Motor
Rear RH
D21(B)
Door Lock Motor
Rear RH
Door Unlock
Detection SW Rear RH
Double Lock Motor
Rear RH
Double Lock Position
SW Rear RH
D15(A)
Door Lock Control Motor
(Front Passenger' s Side)
D16(B)
Door Lock Control Motor
(Front Passenger' s Side)
Door Unlock Detection SW
(Front Passenger' s Side)
Double Lock Motor
(Front Passenger' s Side)
Double Lock Position SW
(Front Passenger' s Side)
D18(A)
Door Lock Motor
Rear LH
D19(B)
Door Lock Motor
Rear LH
Door Unlock Detection
SW Rear LH
Double Lock Motor
Rear LH
Double Lock Position
SW Rear LH
Under the Right
Center Left
Left Kick Panel
Under the Right
Center Pillar
Under the Right
Center Pillar

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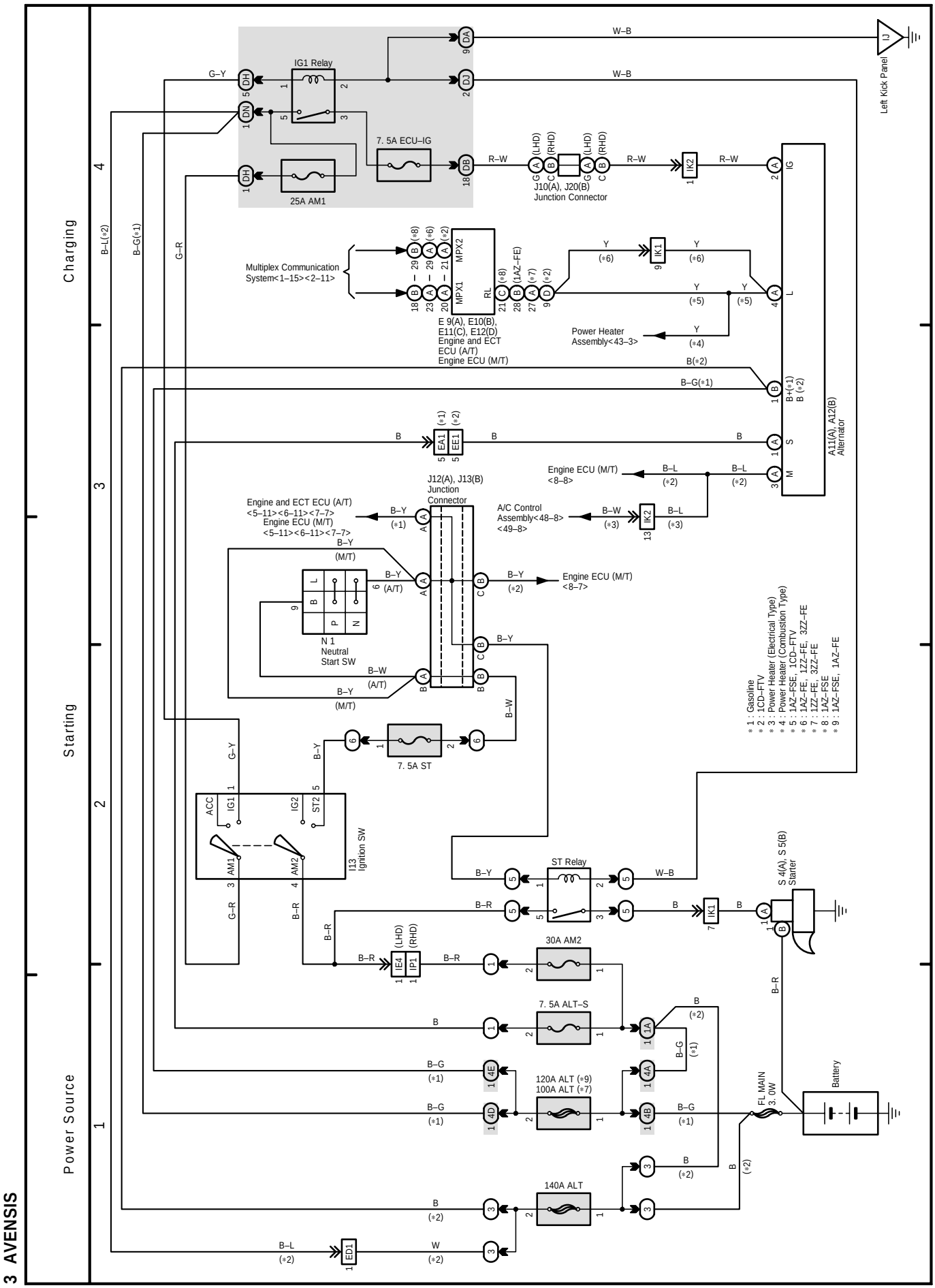
Charging
Starting
Power Source
IG1 Relay
7. 5A ECU–IG
25A AM1
J10(A), J20(B)
Junction Connector
Left Kick Panel
Multiplex Communication
System<1–15><2–11>
E 9(A), E10(B),
E11(C), E12(D)
Engine and ECT
ECU (A/T)
Engine ECU (M/T)
Power Heater
Assembly<43–3>
J12(A), J13(B)
Junction
Connector
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7>
A/C Control
Assembly<48–8>
<49–8>
Engine ECU (M/T)
<8–8>
Engine ECU (M/T)
<8–7>
N 1
Neutral
Start SW
7. 5A ST
I13
Ignition SW
ST Relay
S 4(A), S 5(B)
Starter
30A AM2
7. 5A ALT–S
120A ALT (*9)
100A ALT (*7)
140A ALT
A11(A), A12(B)
Alternator
Battery
FL MAIN
3. 0W
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 1AZ–FSE, 1CD–FTV
* 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : 1AZ–FSE
* 9 : 1AZ–FSE, 1AZ–FE

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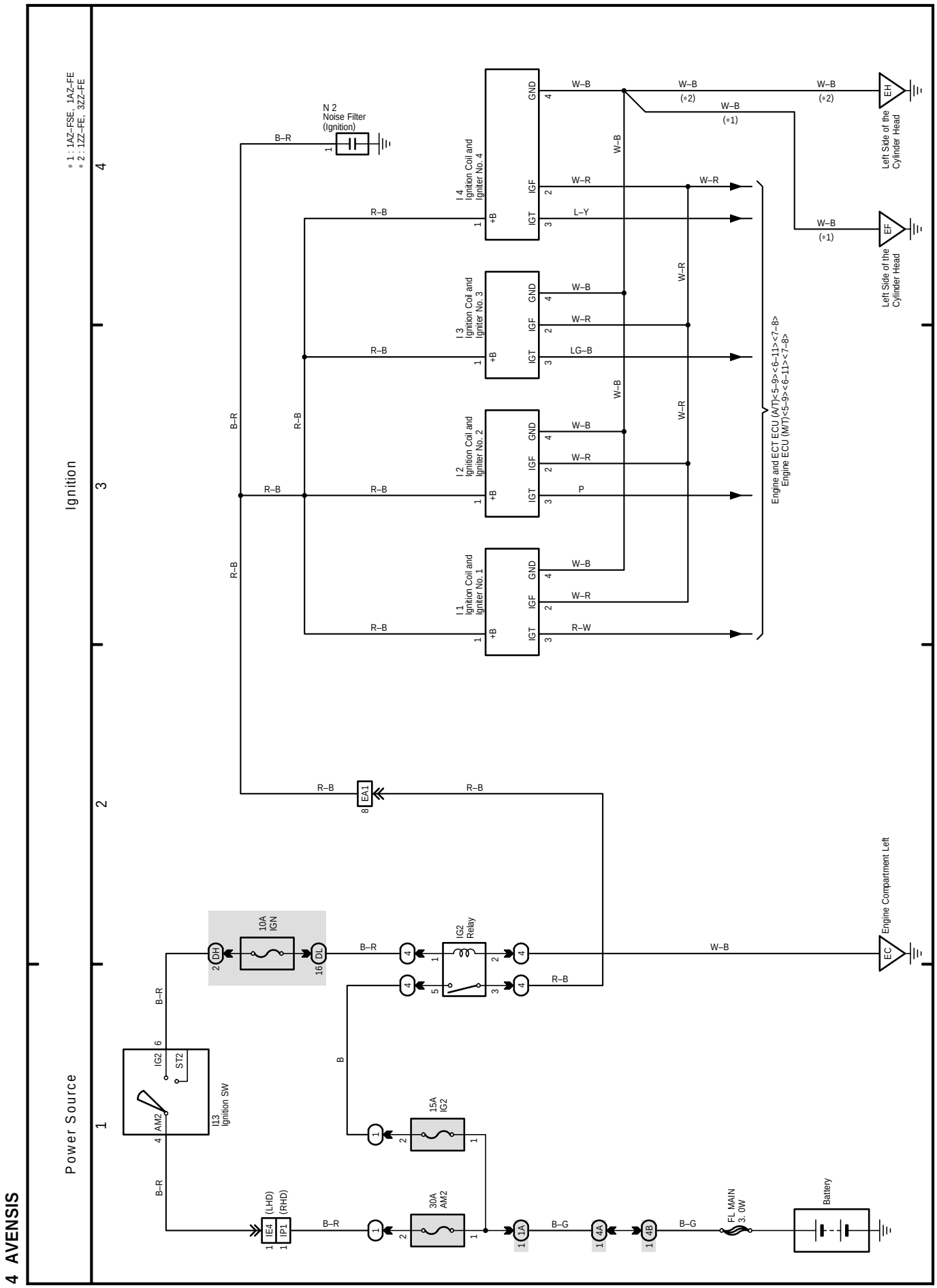
4 AVENSIS
Power Source
Ignition
1
2
3
4
* 1 : 1AZ–FSE, 1AZ–FE
* 2 : 1ZZ–FE, 3ZZ–FE
N 2
Noise Filter
(Ignition)
I 4
Ignition Coil and
Igniter No. 4
I 3
Ignition Coil and
Igniter No. 3
I 2
Ignition Coil and
Igniter No. 2
I 1
Ignition Coil and
Igniter No. 1
GND
IGF
IGT
+B
W–B
W–R
L–Y
LG–B
P
R–W
R–B
B–R
B
B–G
(*1)
(*2)
EH
EF
Left Side of the
Cylinder Head
Engine and ECT ECU (A/T)<5–9><6–11><7–8>
Engine ECU (M/T)<5–9><6–11><7–8>
EC
Engine Compartment Left
10A
IGN
IG2
Relay
15A
IG2
30A
AM2
FL MAIN
3. 0W
Battery
I13
Ignition SW
IG2
ST2
AM2
(LHD)
IE4
(RHD)
IP1
EA1
DH
DL
1A
4A
4B

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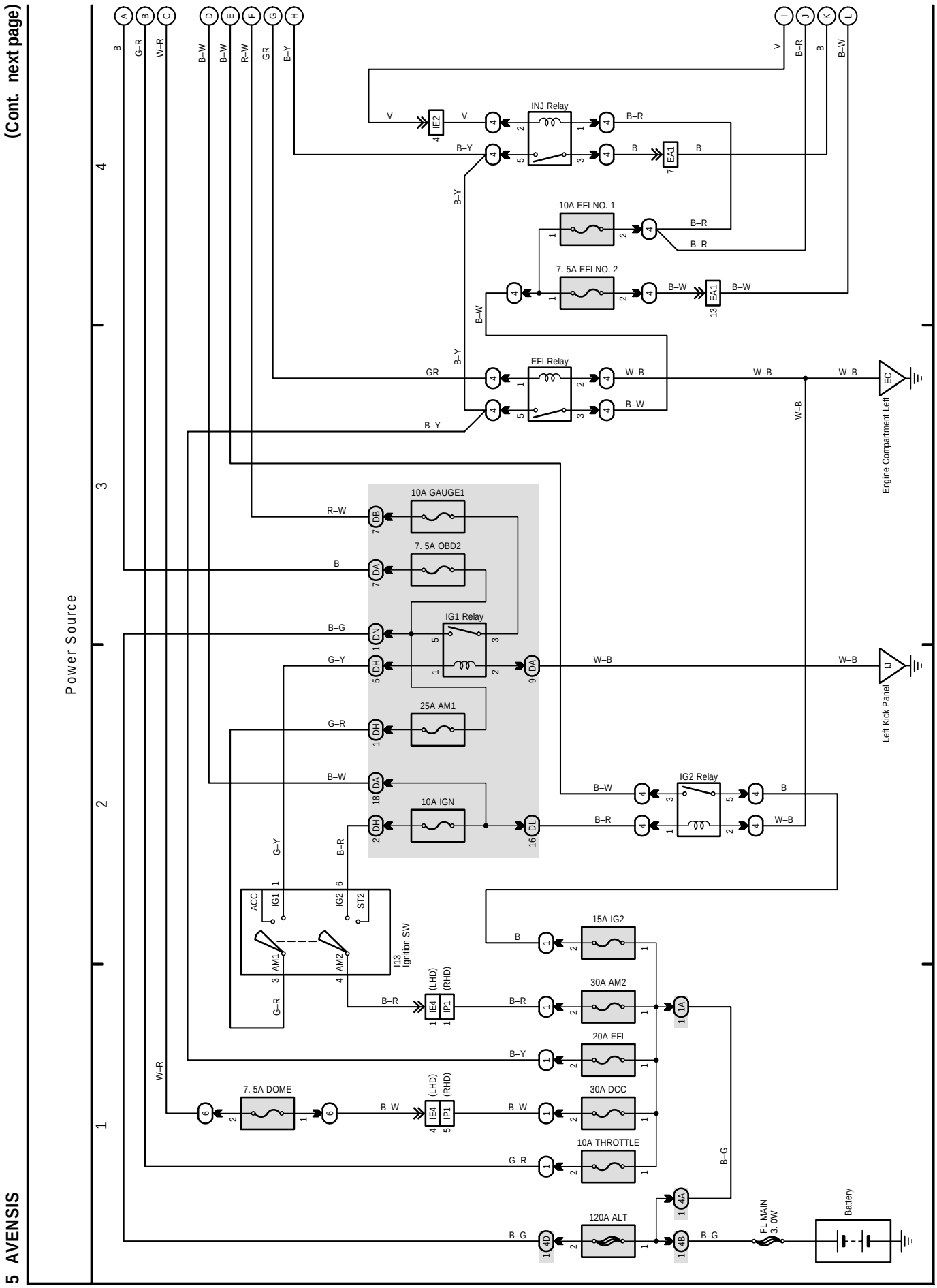
(Cont. next page)
5 AVENSIS
Power Source
INJ Relay
EFI Relay
IG1 Relay
IG2 Relay
10A EFI NO. 1
7. 5A EFI NO. 2
10A GAUGE1
7. 5A OBD2
25A AM1
10A IGN
15A IG2
30A AM2
20A EFI
7. 5A DOME
30A DCC
10A THROTTLE
120A ALT
I13 Ignition SW
Engine Compartment Left
Left Kick Panel
Battery

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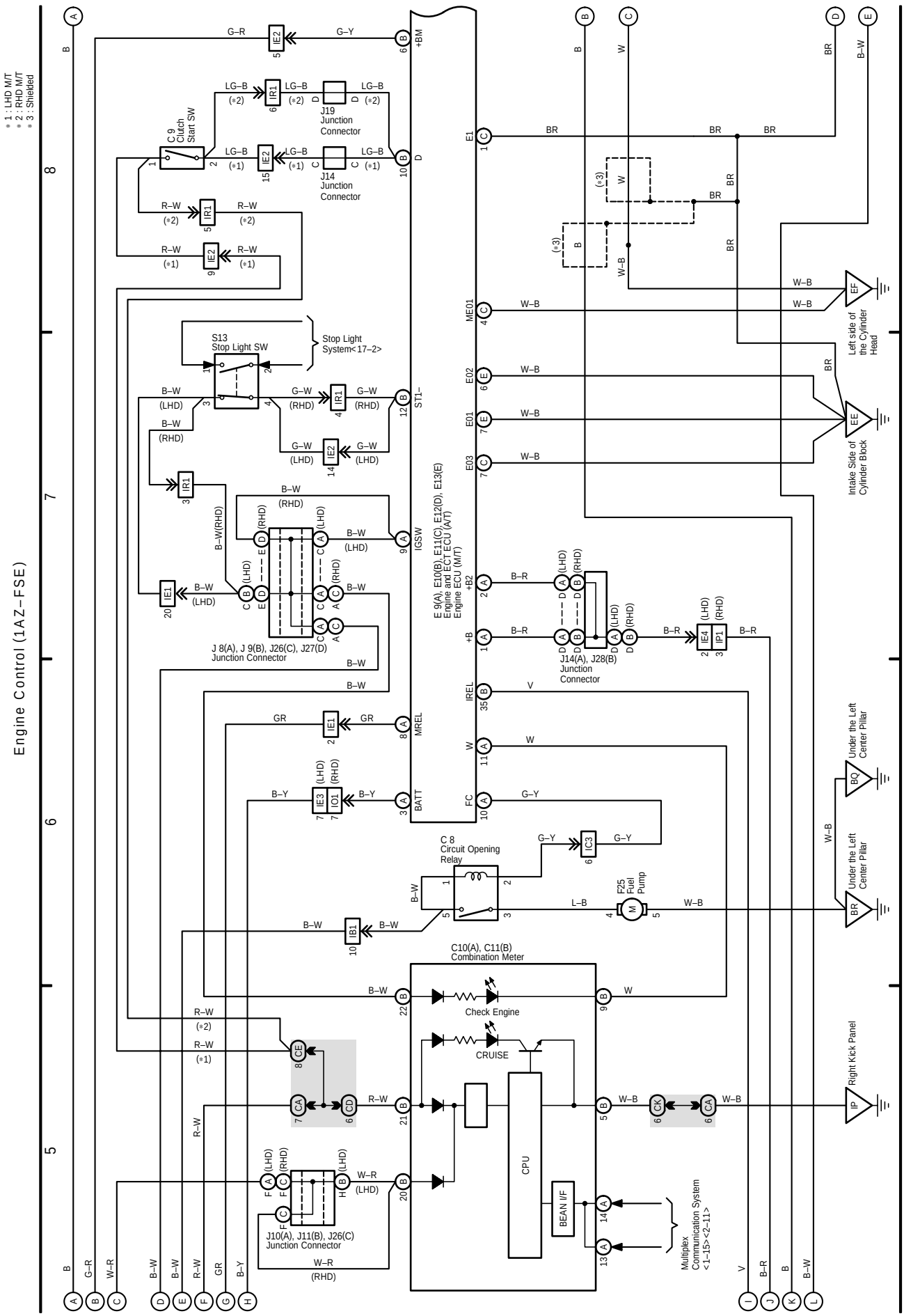
5 AVENSIS (Cont' d)

(Cont. next page)



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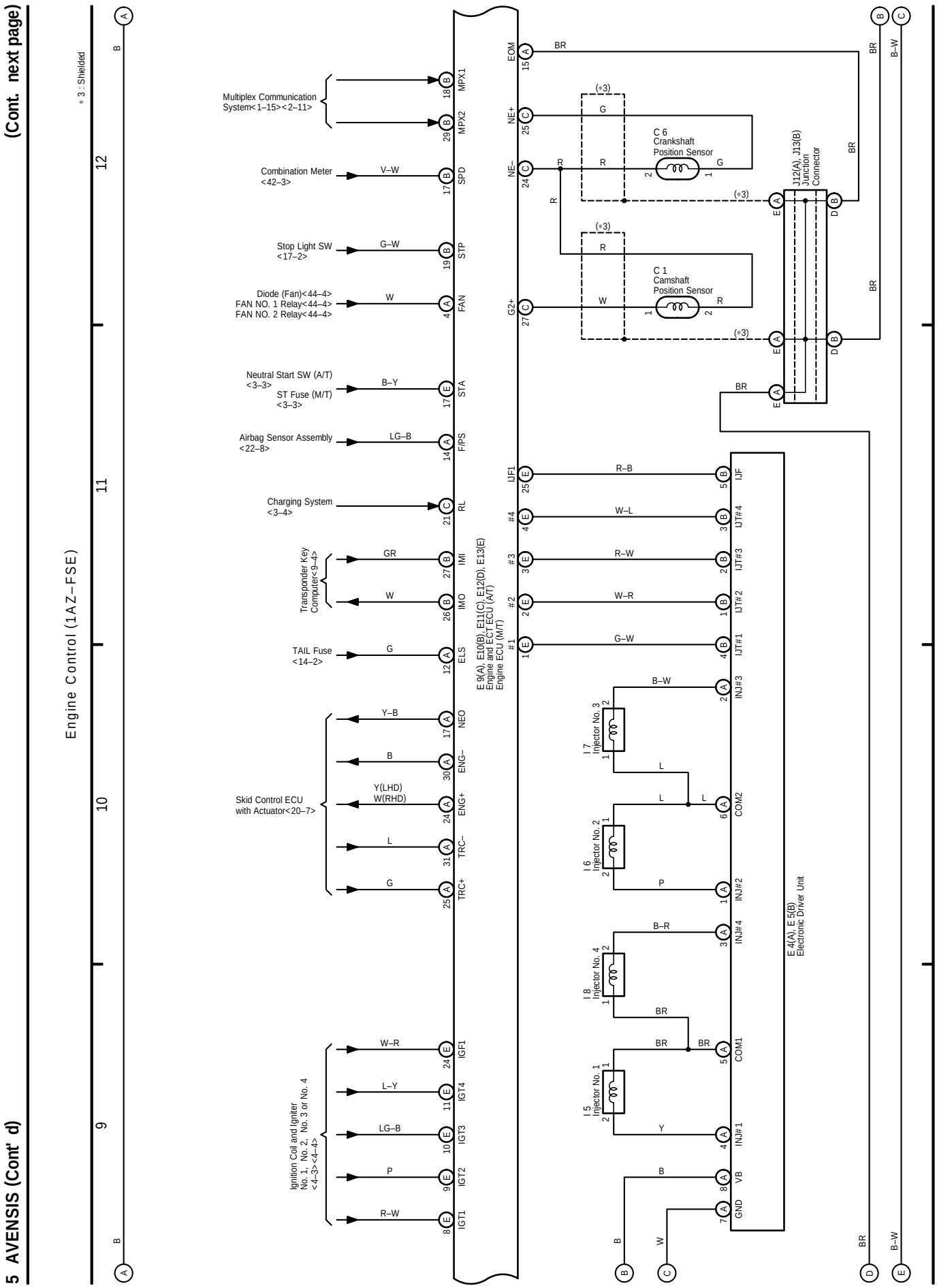
5 AVENSIS (Cont' d)
(Cont. next page)
Engine Control (1AZ–FSE)
9
10
11
12
* 3 : Shielded
Multiplex Communication System<1–15><2–11>
Combination Meter <42–3>
Stop Light SW <17–2>
Diode (Fan)<44–4> FAN NO. 1 Relay<44–4> FAN NO. 2 Relay<44–4>
Neutral Start SW (A/T) <3–3> ST Fuse (M/T) <3–3>
Airbag Sensor Assembly <22–8>
Charging System <3–4>
Transponder Key Computer<9–4>
TAIL Fuse <14–2>
Skid Control ECU with Actuator<20–7>
Ignition Coil and Igniter No. 1, No. 2, No. 3 or No. 4 <4–3><4–4>
MPX1
MPX2
SPD
STP
FAN
STA
F/PS
RL
IMI
IMO
ELS
NEO
ENG–
ENG+
TRC–
TRC+
IGF1
IGT4
IGT3
IGT2
IGT1
E 9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
EOM
NE+
NE–
G2+
IJF1
#4
#3
#2
#1
C 6 Crankshaft Position Sensor
C 1 Camshaft Position Sensor
(*3)
J12(A), J13(B) Junction Connector
I 7 Injector No. 3
I 6 Injector No. 2
I 8 Injector No. 4
I 5 Injector No. 1
IJF
IJT#4
IJT#3
IJT#2
IJT#1
INJ#3
COM2
INJ#2
INJ#4
COM1
INJ#1
VB
GND
E 4(A), E 5(B) Electronic Driver Unit

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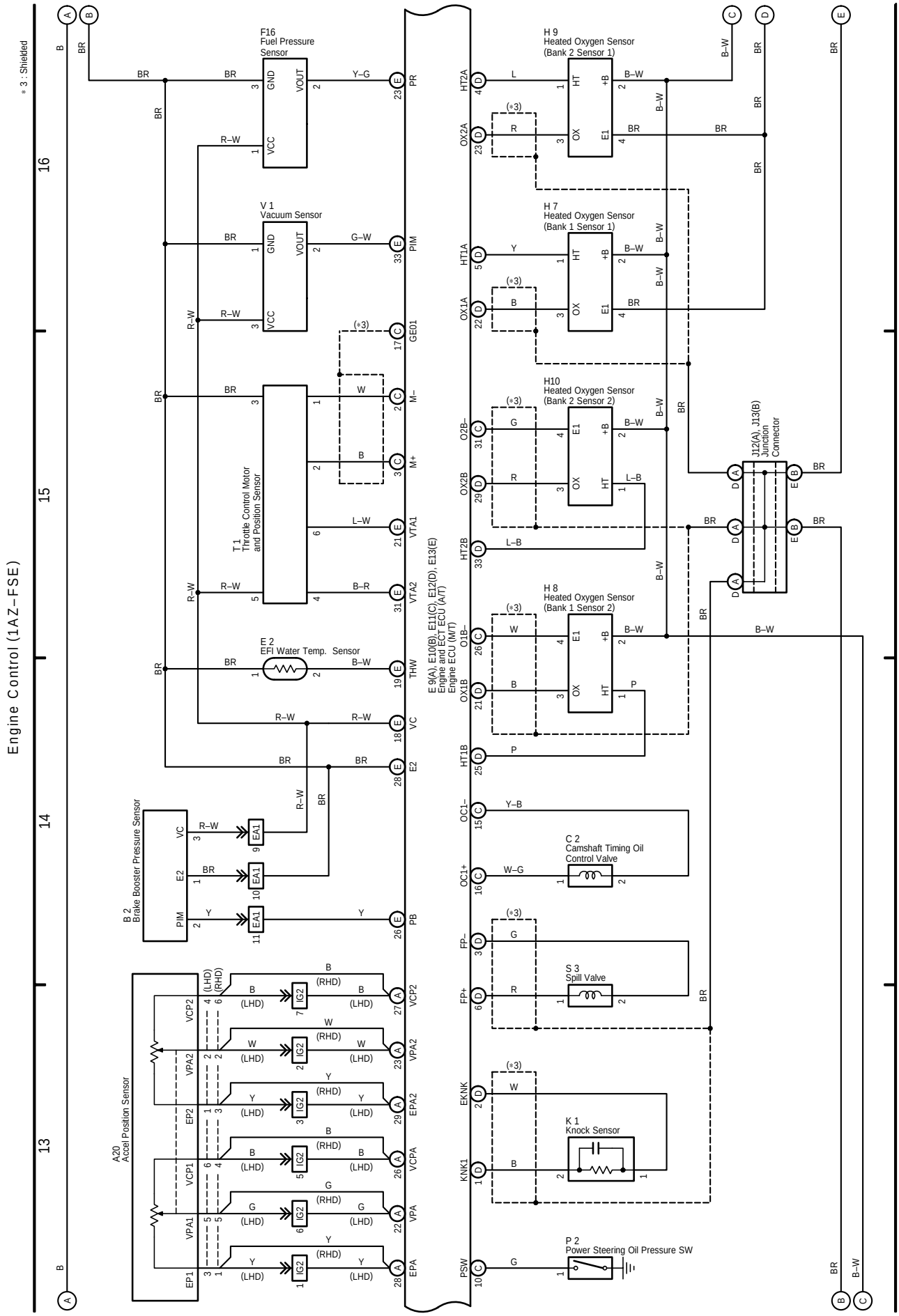
5 AVENSIS (Cont' d)

(Cont. next page)



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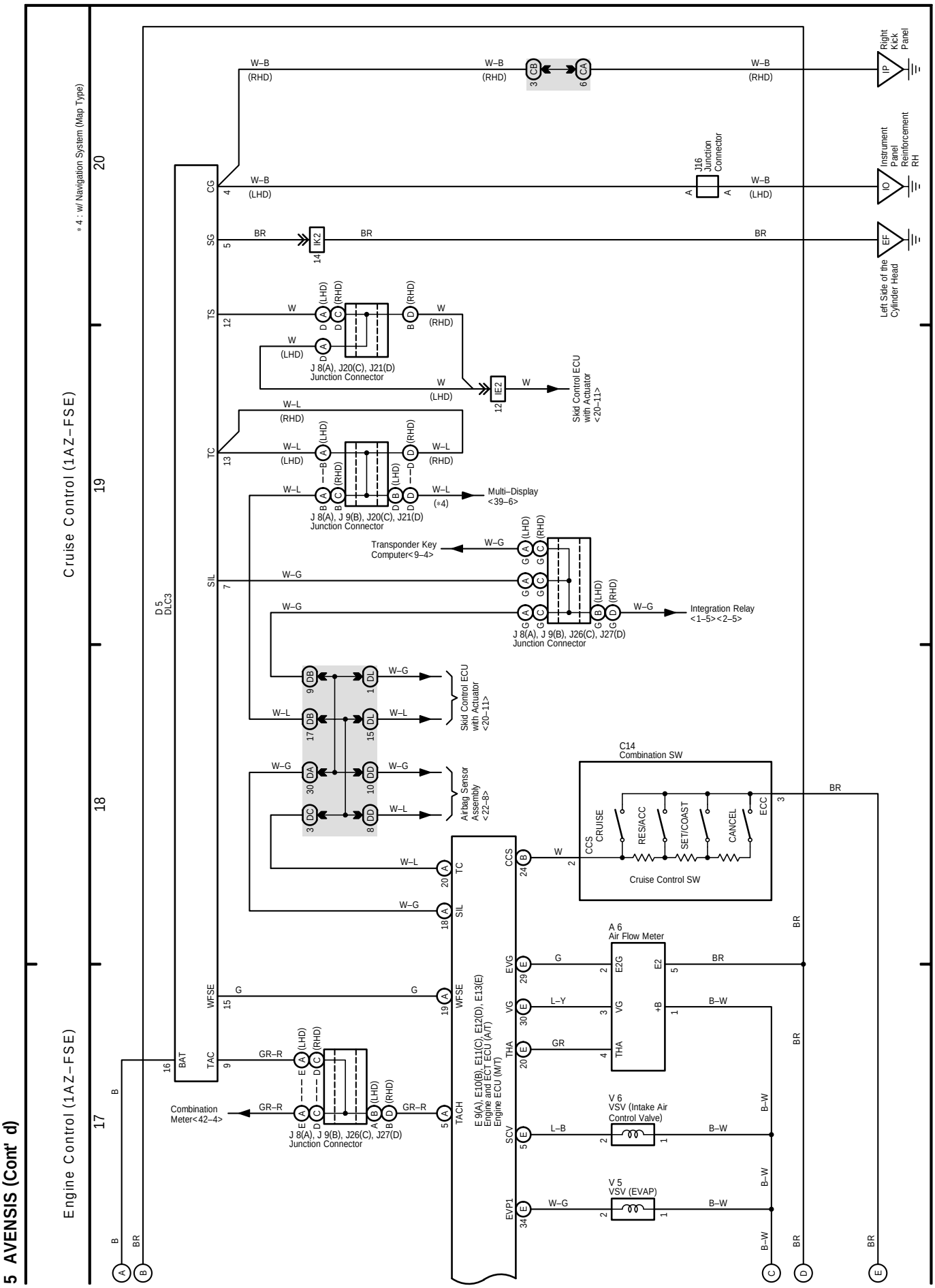
5 AVENSIS (Cont' d)
Engine Control (1AZ–FSE)
Cruise Control (1AZ–FSE)
17
18
19
20
* 4 : w/ Navigation System (Map Type)
D 5
DLC3
BAT
TAC
WFSE
SIL
TC
TS
SG
CG
TACH
CCS
EVG
VG
THA
SCV
EVP1
E9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
Combination Meter<42–4>
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
J 8(A), J20(C), J21(D)
Junction Connector
Transponder Key Computer<9–4>
Skid Control ECU with Actuator <20–11>
Airbag Sensor Assembly <22–8>
Integration Relay <1–5><2–5>
Multi–Display <39–6>
Skid Control ECU with Actuator <20–11>
C14
Combination SW
CRUISE
RES/ACC
SET/COAST
CANCEL
CCS
ECC
Cruise Control SW
A 6
Air Flow Meter
E2G
E2
VG
+B
THA
V 6
VSV (Intake Air Control Valve)
V 5
VSV (EVAP)
J16
Junction Connector
IK2
IE2
Right Kick Panel
Instrument Panel Reinforcement RH
Left Side of the Cylinder Head

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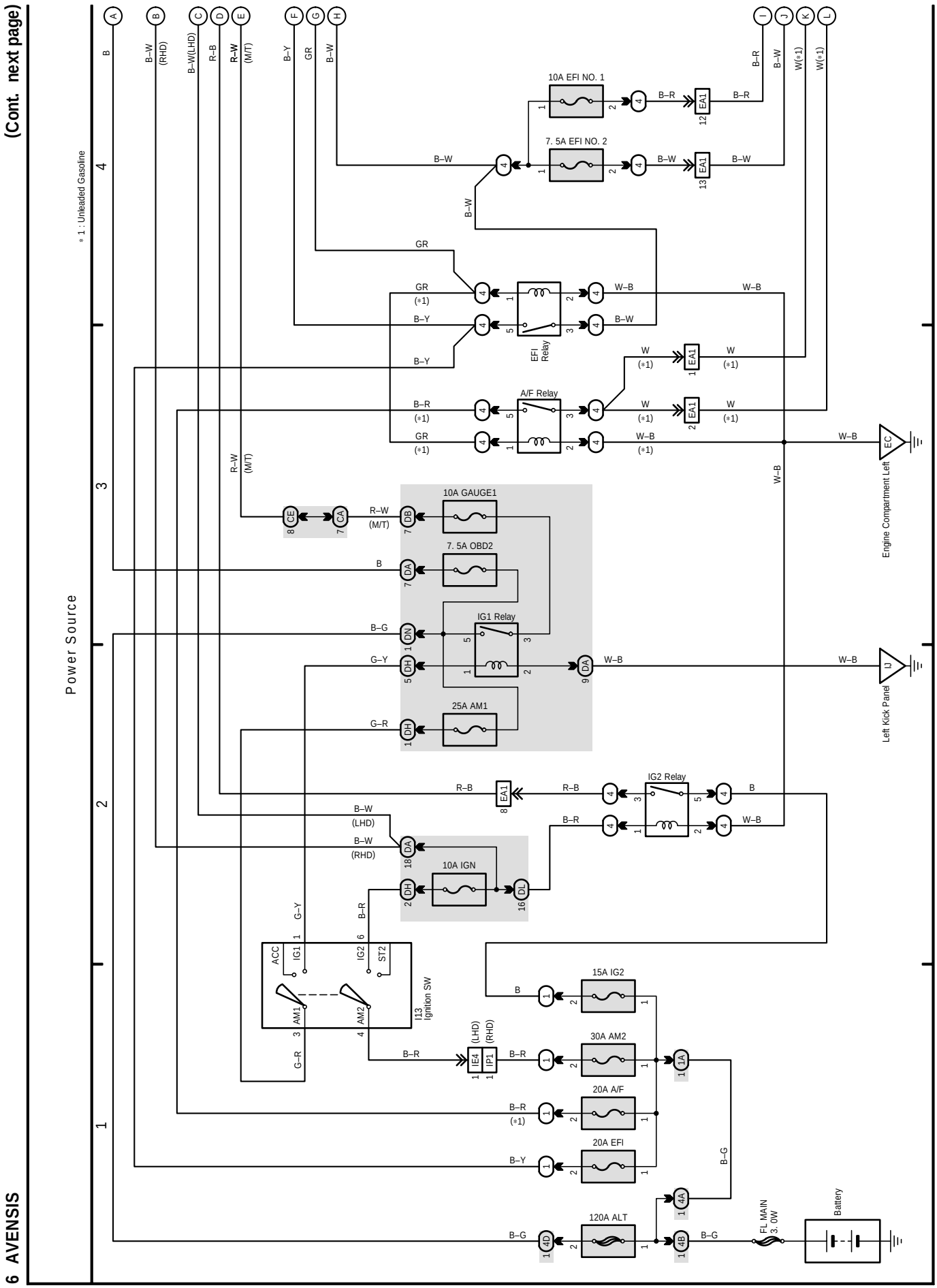
(Cont. next page)
6 AVENSIS
Power Source
* 1 : Unleaded Gasoline
10A EFI NO. 1
7. 5A EFI NO. 2
EFI Relay
A/F Relay
10A GAUGE1
7. 5A OBD2
IG1 Relay
25A AM1
IG2 Relay
10A IGN
15A IG2
30A AM2
20A A/F
20A EFI
120A ALT
ACC
IG1
IG2
ST2
AM1
AM2
113 Ignition SW
Engine Compartment Left
Left Kick Panel
Battery
FL MAIN 3. 0W

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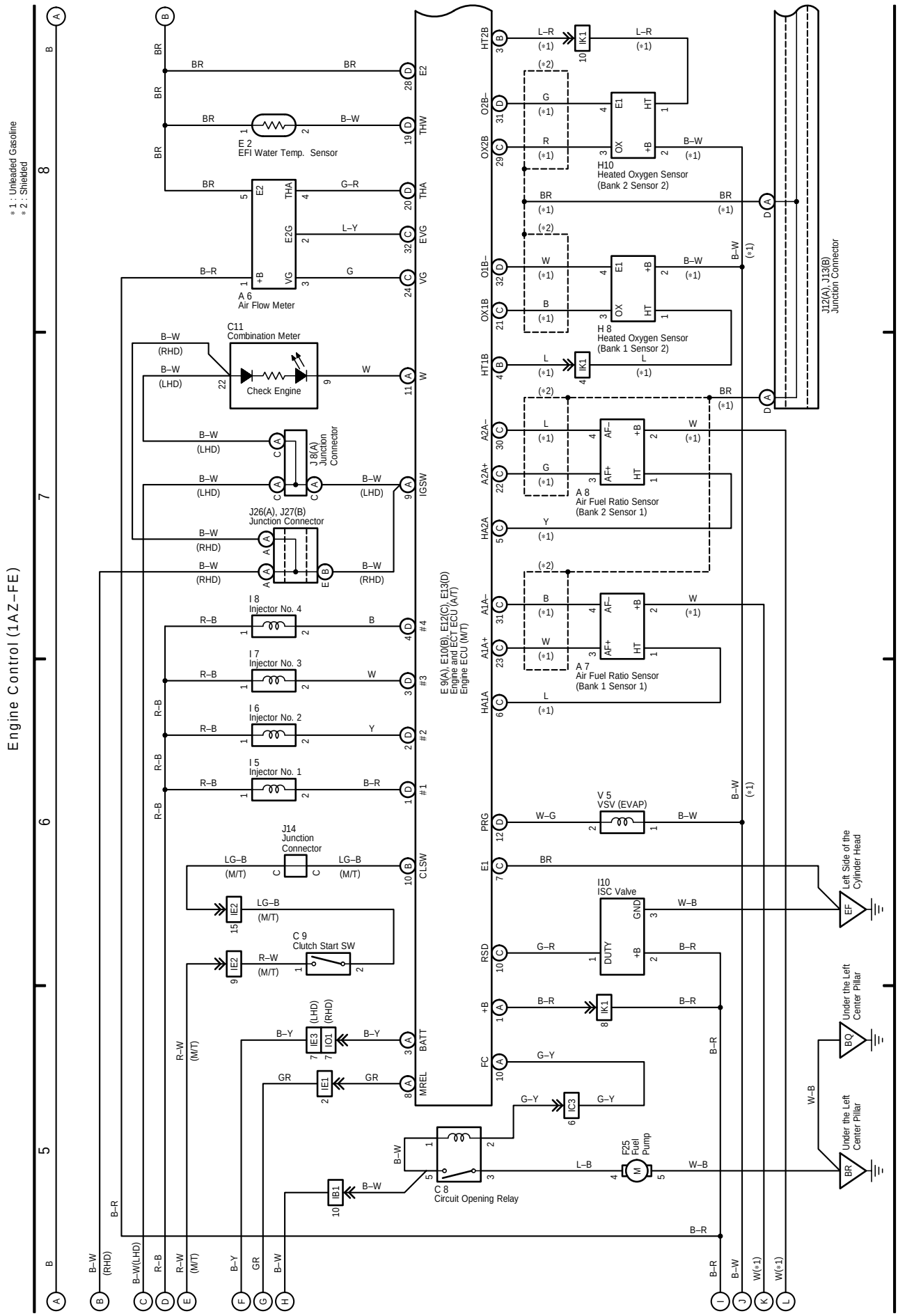
6 AVENSIS (Cont' d)

(Cont. next page)



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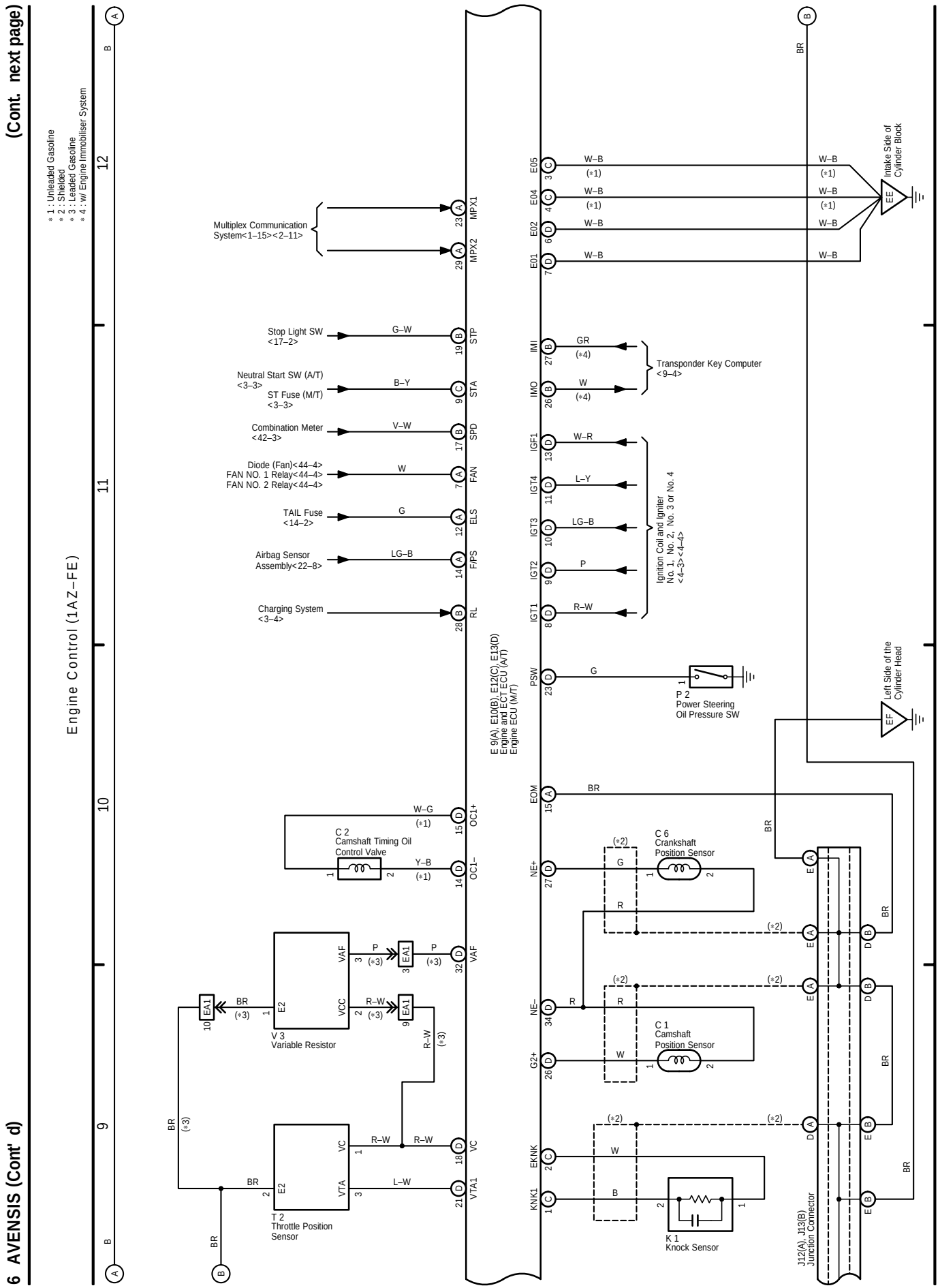
(Cont. next page)
6 AVENSIS (Cont' d)
Engine Control (1AZ–FE)
*1 : Unleaded Gasoline
*2 : Shielded
*3 : Leaded Gasoline
*4 : w/ Engine Immobiliser System
Multiplex Communication System<1–15><2–11>
Stop Light SW <17–2>
Neutral Start SW (A/T) <3–3>
ST Fuse (M/T) <3–3>
Combination Meter <42–3>
Diode (Fan)<44–4>
FAN NO. 1 Relay<44–4>
FAN NO. 2 Relay<44–4>
TAIL Fuse <14–2>
Airbag Sensor Assembly<22–8>
Charging System <3–4>
E 9(A), E10(B), E12(C), E13(D) Engine and ECT ECU (A/T) Engine ECU (M/T)
Transponder Key Computer <9–4>
Ignition Coil and Igniter No. 1, No. 2, No. 3 or No. 4 <4–3><4–4>
P 2 Power Steering Oil Pressure SW
C 2 Camshaft Timing Oil Control Valve
C 6 Crankshaft Position Sensor
C 1 Camshaft Position Sensor
V 3 Variable Resistor
T 2 Throttle Position Sensor
K 1 Knock Sensor
Intake Side of Cylinder Block
Left Side of the Cylinder Head
J12(A), J13(B) Junction Connector

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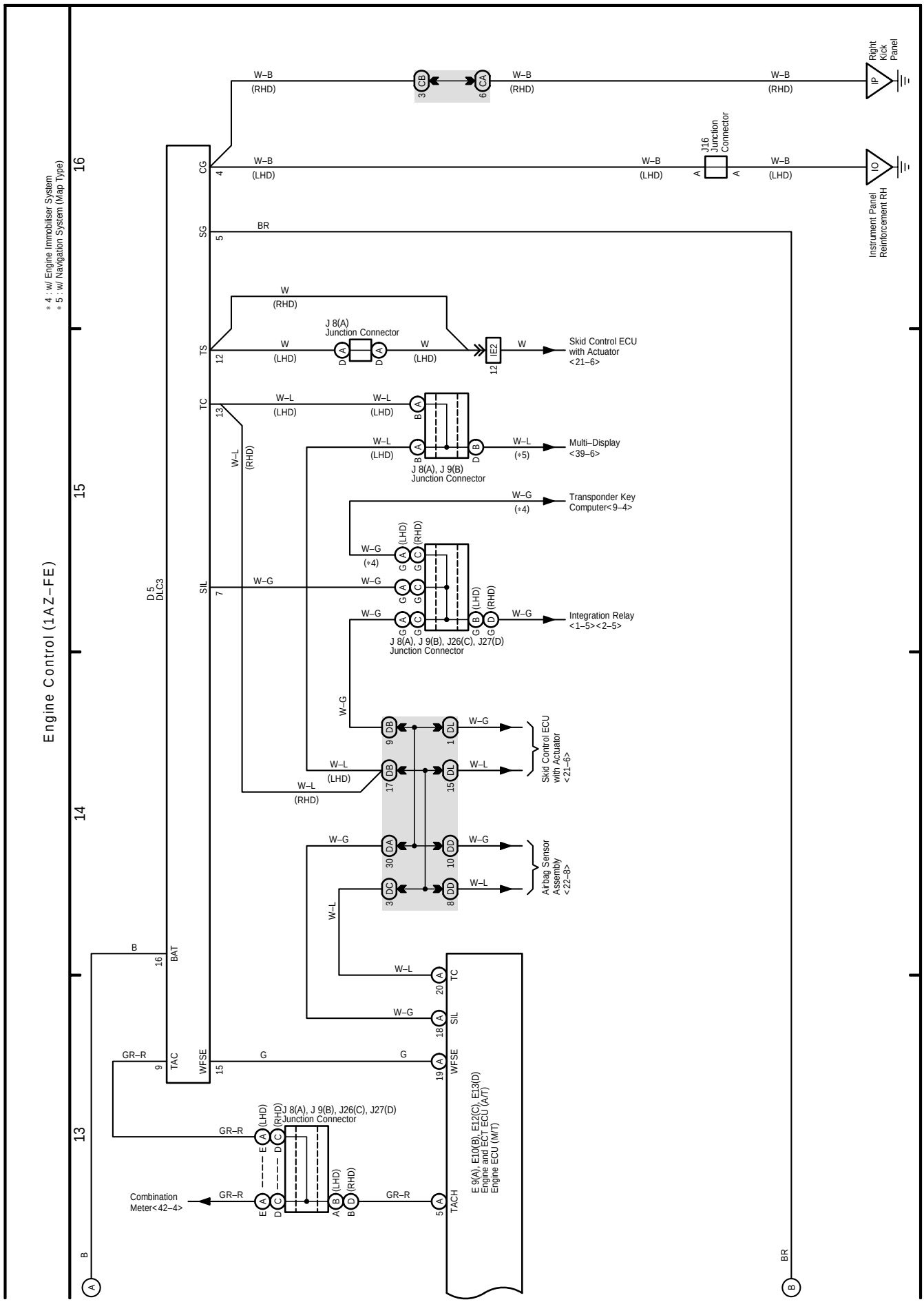
6 AVENSIS (Cont' d)
Engine Control (1AZ–FE)
* 4 : w/ Engine Immobiliser System
* 5 : w/ Navigation System (Map Type)
W–B (RHD)
W–B (LHD)
Right Kick Panel
Instrument Panel Reinforcement RH
J16 Junction Connector
Skid Control ECU with Actuator <21–6>
Multi–Display <39–6>
Transponder Key Computer< 9–4>
Integration Relay <1–5><2–5>
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
J 8(A), J 9(B) Junction Connector
J 8(A) Junction Connector
Airbag Sensor Assembly <22–8>
Combination Meter<42–4>
E 9(A), E10(B), E12(C), E13(D) Engine and ECT ECU (A/T) Engine ECU (M/T)
D 5 DLC3
CG
SG
TS
TC
SIL
BAT
TAC
WFSE
TACH
W–L (RHD)
W–G (*4)
W–L (*5)
GR–R
W
G
BR
B

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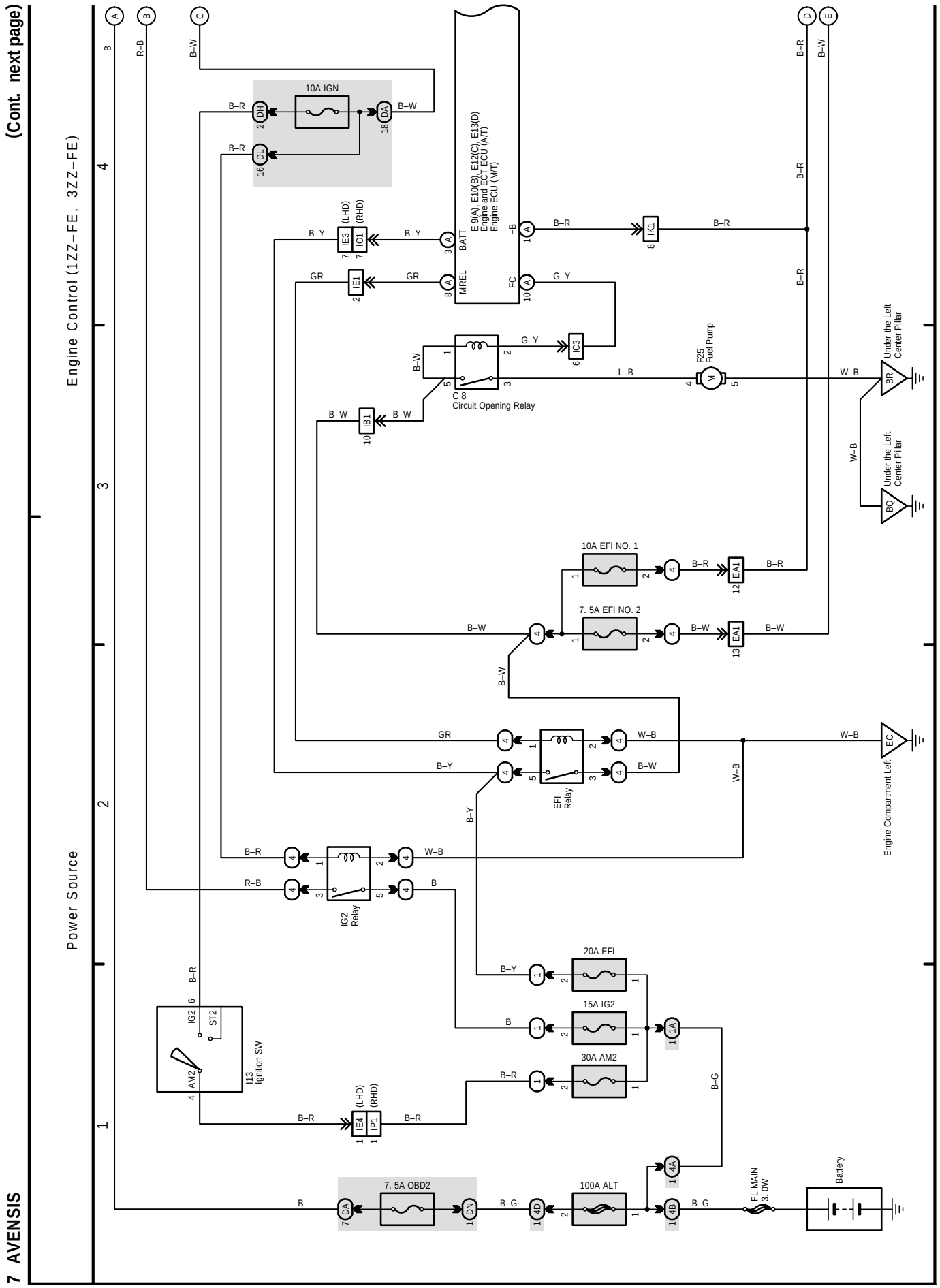
(Cont. next page)
Engine Control (1ZZ–FE, 3ZZ–FE)
Power Source
7 AVENSIS
10A IGN
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
BATT
+B
MREL
FC
C 8
Circuit Opening Relay
F25
Fuel Pump
Under the Left
Center Pillar
10A EFI NO. 1
7. 5A EFI NO. 2
EFI
Relay
Engine Compartment Left
IG2
Relay
20A EFI
15A IG2
30A AM2
I13
Ignition SW
7. 5A OBD2
100A ALT
FL MAIN
3. 0W
Battery

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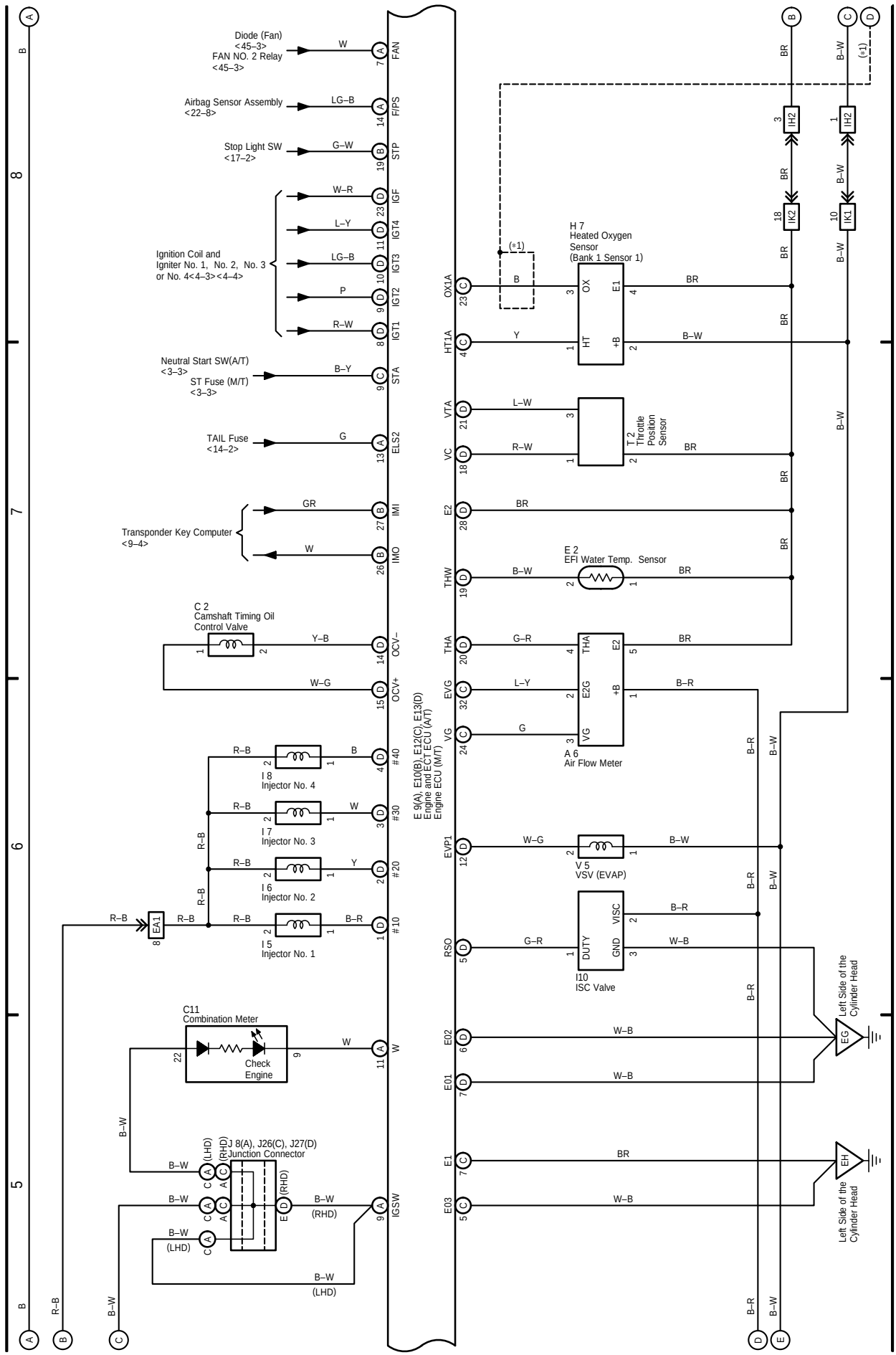
7 AVENSIS (Cont' d)

(Cont. next page)



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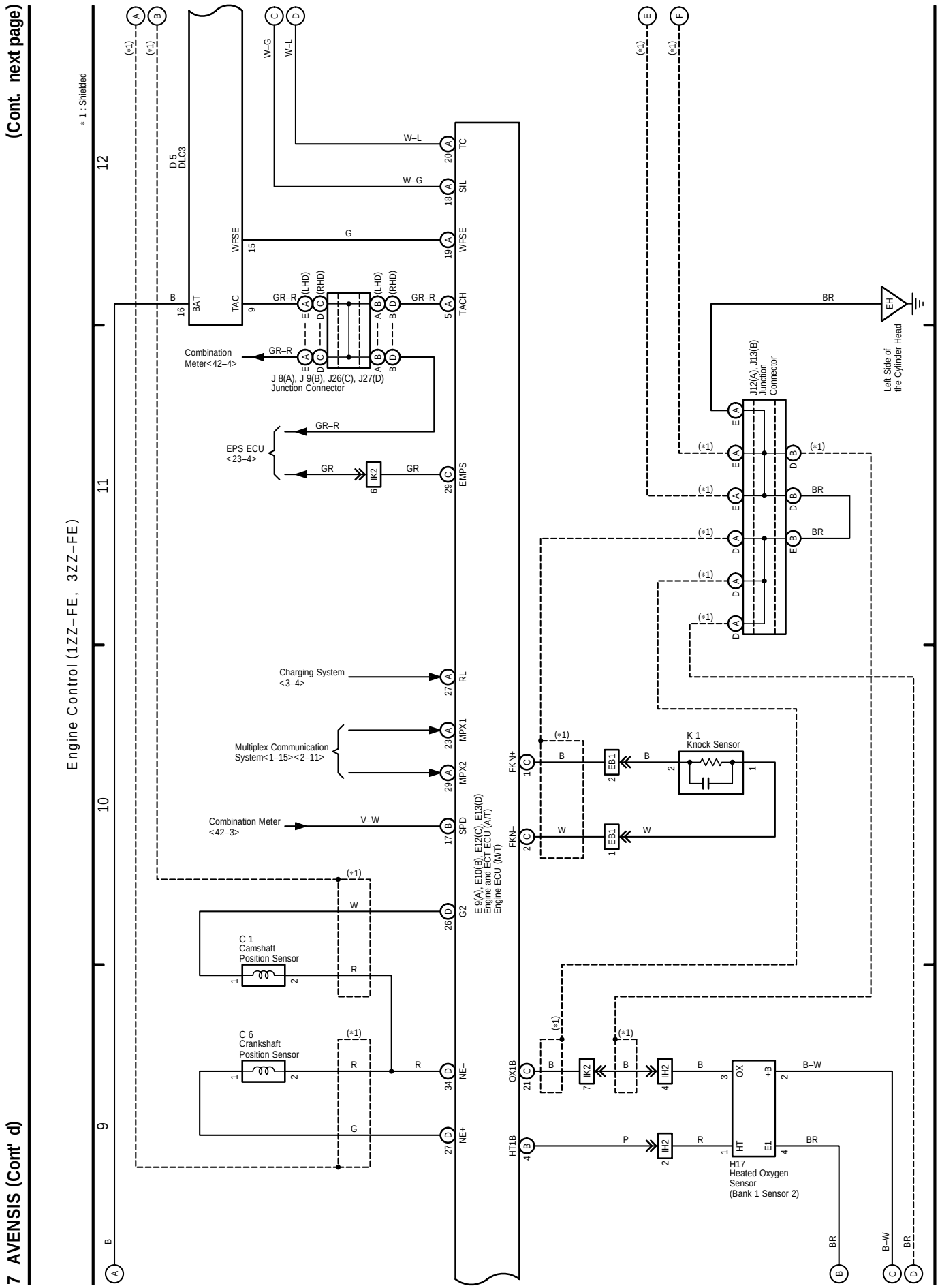
(Cont. next page)
7 AVENSIS (Cont' d)
Engine Control (1ZZ–FE, 3ZZ–FE)
* 1 : Shielded
12
11
10
9
D 5
DLC3
BAT
TAC
WFSE
W–L
W–G
G
GR–R
Combination Meter<42–4>
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
EPS ECU <23–4>
IK2
EMPS
TC
SIL
TACH
RL
MPX1
MPX2
SPD
G2
NE–
NE+
Charging System <3–4>
Multiplex Communication System<1–15><2–11>
Combination Meter <42–3>
V–W
E 9(A), E10(B), E12(C), E13(D) Engine and ECT ECU (A/T) Engine ECU (M/T)
FKN+
FKN–
K 1 Knock Sensor
EB1
C 1 Camshaft Position Sensor
C 6 Crankshaft Position Sensor
OX1B
HT1B
IH2
H17 Heated Oxygen Sensor (Bank 1 Sensor 2)
OX
HT
+B
E1
J12(A), J13(B) Junction Connector
EH
Left Side of the Cylinder Head
BR
B–W
R
P
G
W
B

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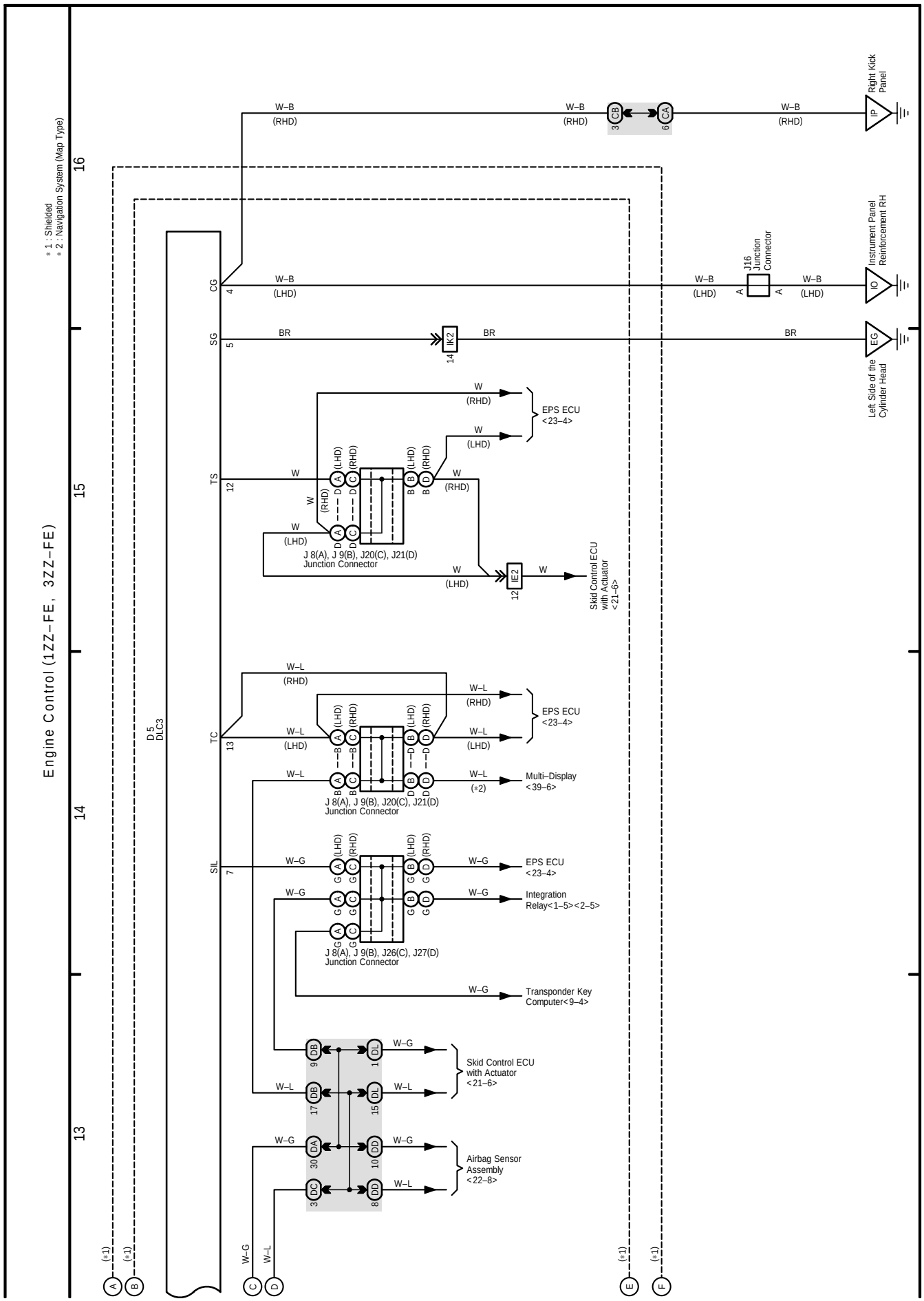

7 AVENSIS (Cont' d)

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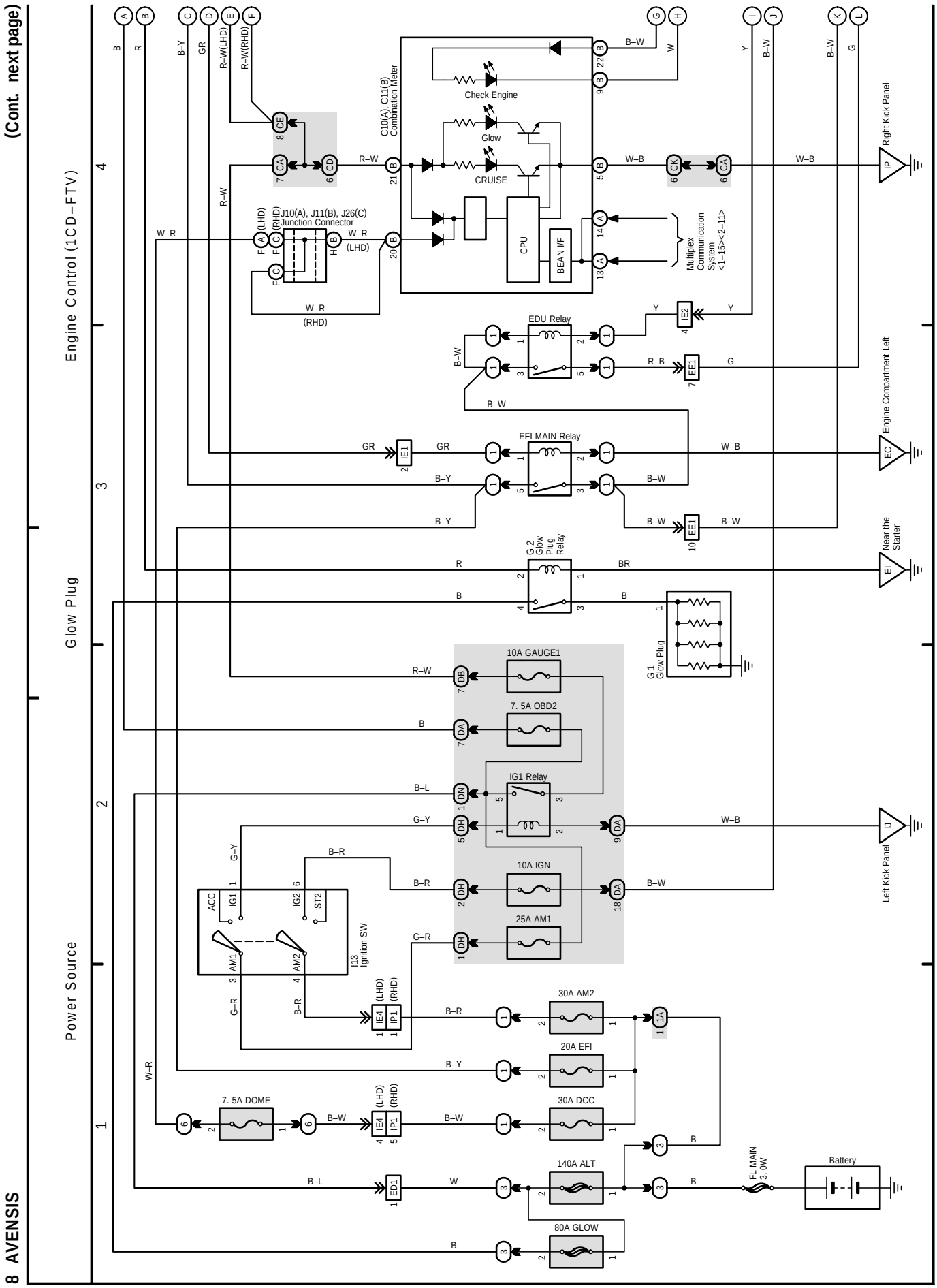
(Cont. next page)
Engine Control (1CD–FTV)
Glow Plug
Power Source
8 AVENSIS
C10(A), C11(B) Combination Meter
Check Engine
Glow
CRUISE
CPU
BEAN I/F
Multiplex Communication System <1–15><2–11>
J10(A), J11(B), J26(C) Junction Connector
(LHD)
(RHD)
(LHD)
W–R
(RHD)
EDU Relay
EFI MAIN Relay
G 2 Glow Plug Relay
G 1 Glow Plug
I13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
10A GAUGE1
7. 5A OBD2
IG1 Relay
10A IGN
25A AM1
30A AM2
20A EFI
7. 5A DOME
30A DCC
140A ALT
80A GLOW
FL MAIN 3. 0W
Battery
Right Kick Panel
Engine Compartment Left
Near the Starter
Left Kick Panel

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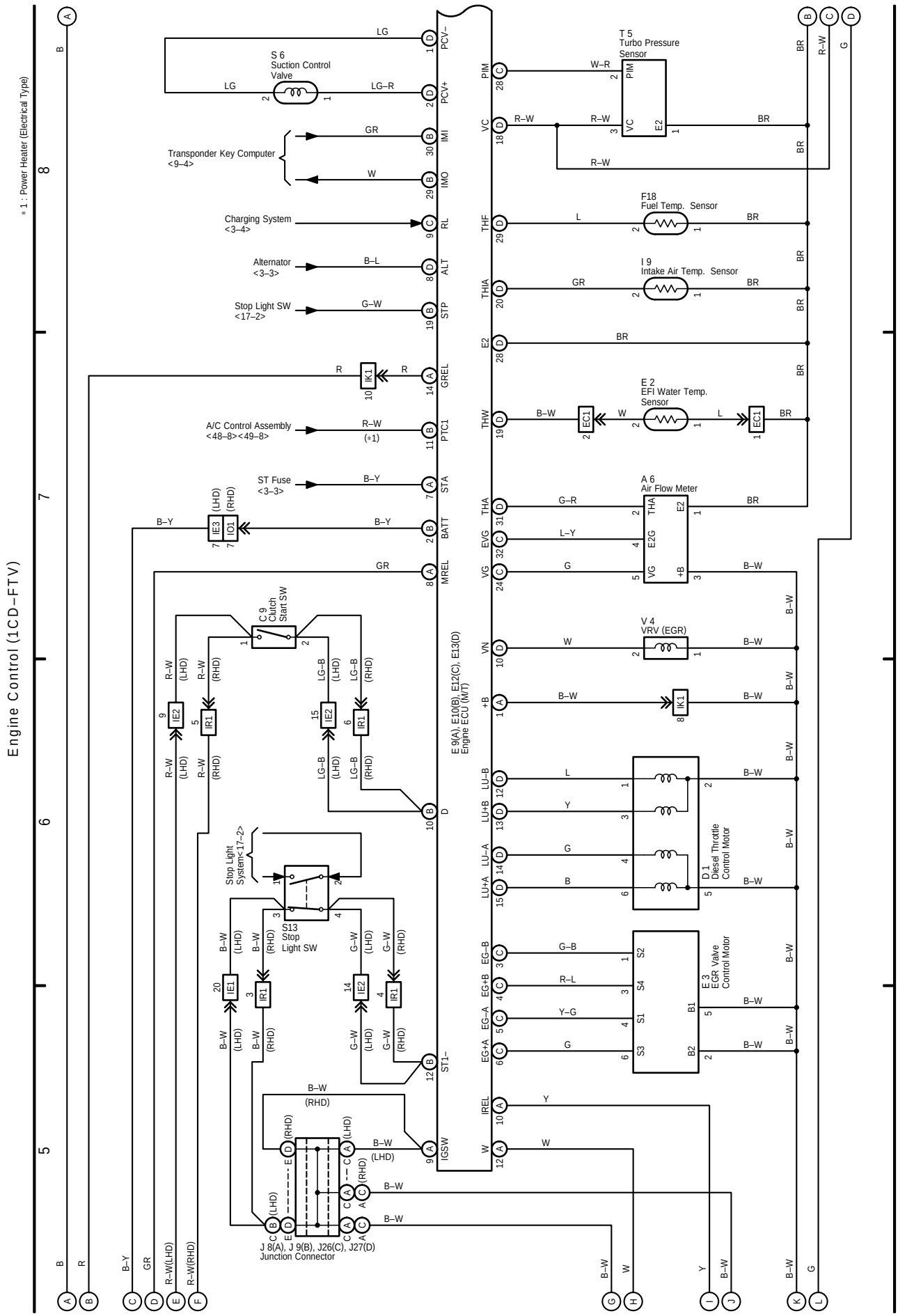
8 AVENSIS (Cont' d)

(Cont. next page)



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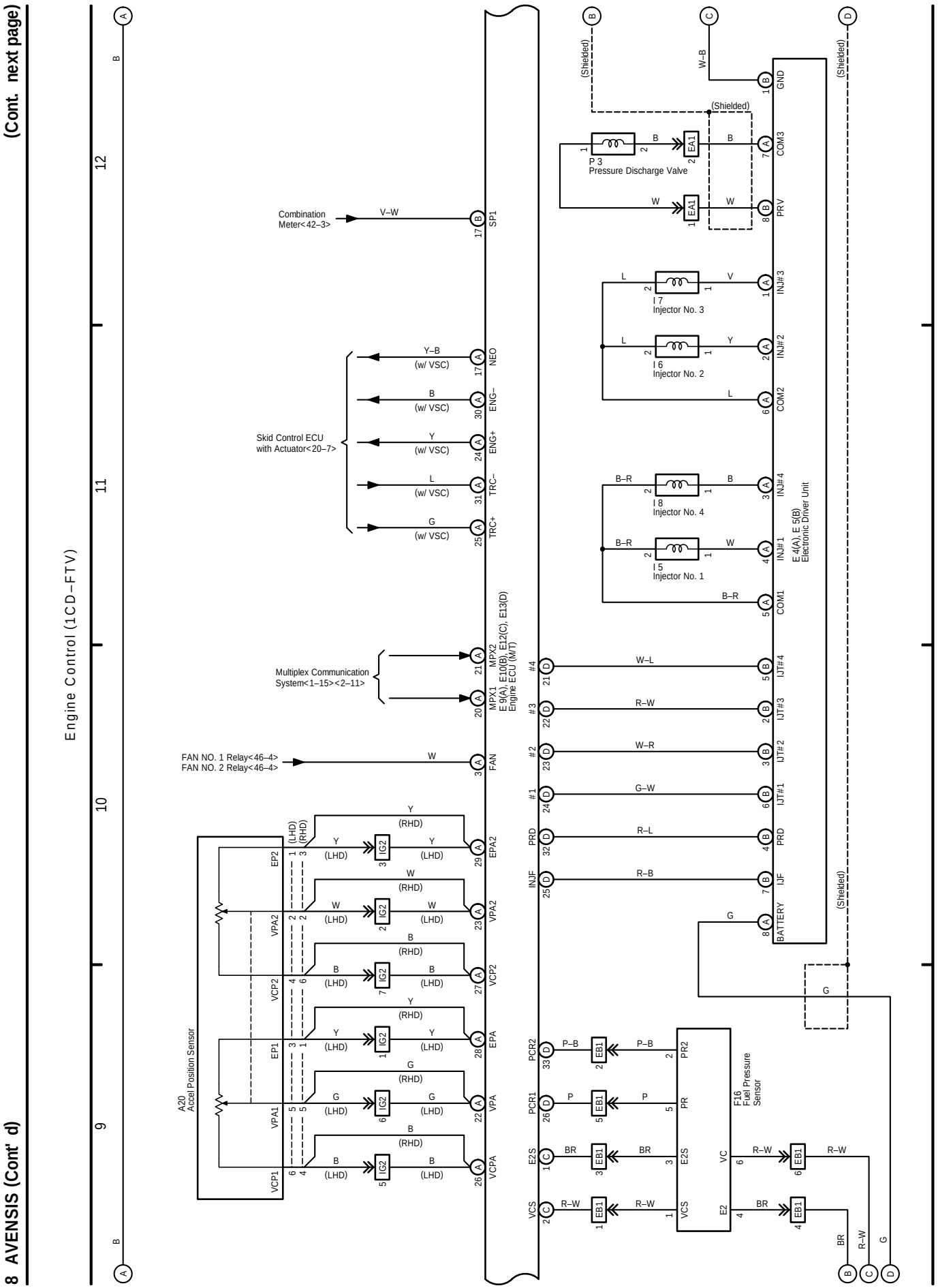
(Cont. next page)
8 AVENSIS (Cont' d)
Engine Control (1CD–FTV)
Combination Meter<42–3>
V–W
SP1
Skid Control ECU with Actuator<20–7>
Y–B (w/ VSC)
B (w/ VSC)
Y (w/ VSC)
L (w/ VSC)
G (w/ VSC)
NEO
ENG–
ENG+
TRC–
TRC+
Multiplex Communication System<1–15><2–11>
MPX2
MPX1
E 9(A), E10(B), E12(C), E13(D) Engine ECU (M/T)
FAN NO. 1 Relay<46–4>
FAN NO. 2 Relay<46–4>
W
FAN
A20 Accel Position Sensor
EP2
VPA2
VCP2
EP1
VPA1
VCP1
EPA2
VPA2
VCP2
EPA
VPA
VCPA
(LHD)
(RHD)
IG2
(Shielded)
W–B
GND
P 3 Pressure Discharge Valve
EA1
COM3
PRV
I 7 Injector No. 3
I 6 Injector No. 2
I 8 Injector No. 4
I 5 Injector No. 1
INJ#3
INJ#2
COM2
INJ#4
INJ#1
COM1
E 4(A), E 5(B) Electronic Driver Unit
#4
#3
#2
#1
PRD
INJF
IJT#4
IJT#3
IJT#2
IJT#1
PRD
IJF
W–L
R–W
W–R
G–W
R–L
R–B
BATTERY
G
PCR2
PCR1
E2S
VCS
P–B
P
BR
R–W
EB1
PR2
PR
E2S
VC
E2
F16 Fuel Pressure Sensor
10
11
12

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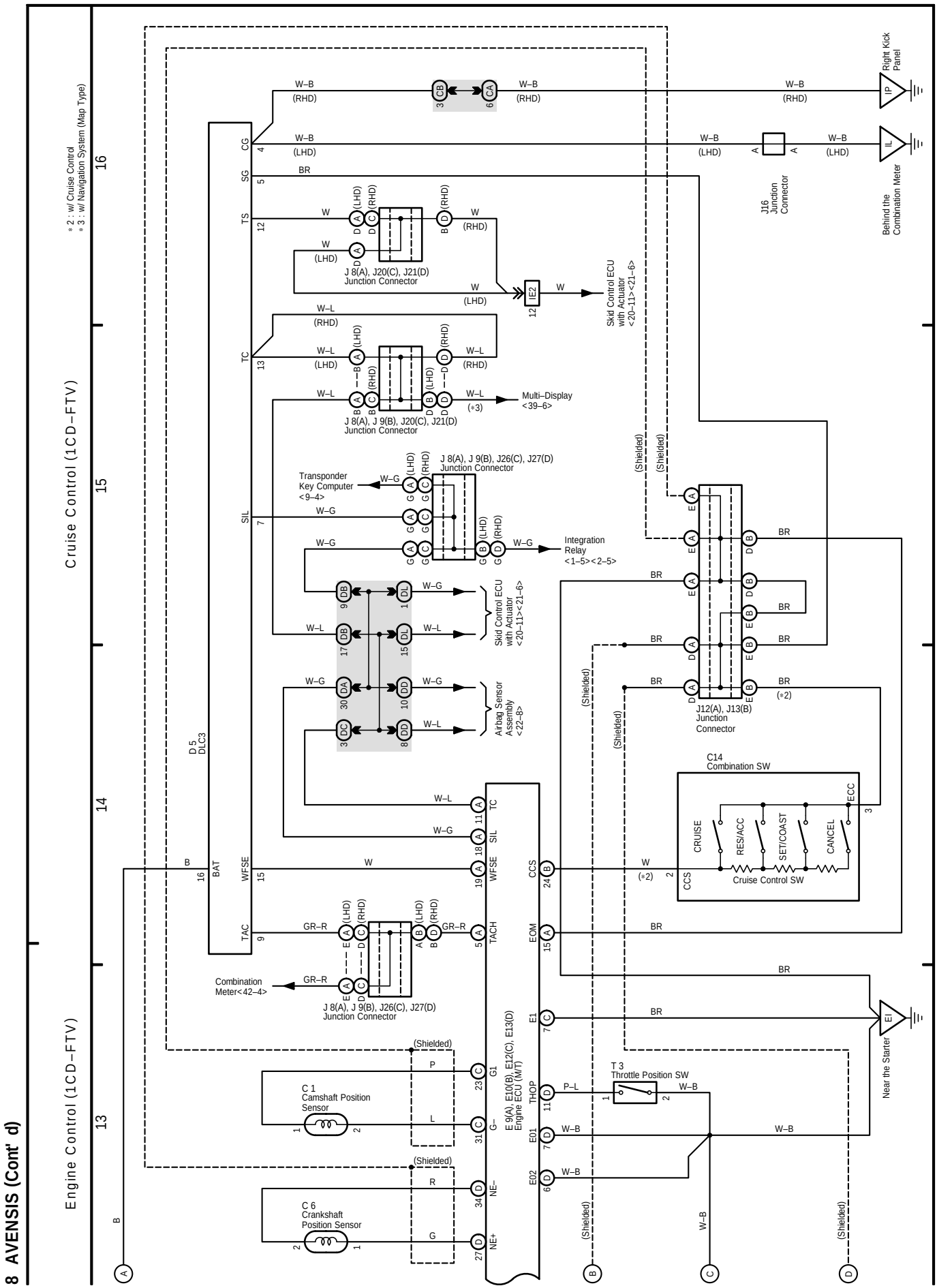
8 AVENSIS (Cont' d)
Engine Control (1CD–FTV)
Cruise Control (1CD–FTV)
* 2 : w/ Cruise Control
* 3 : w/ Navigation System (Map Type)
Right Kick Panel
Behind the Combination Meter
J16 Junction Connector
Skid Control ECU with Actuator <20–11><21–6>
Multi–Display <39–6>
Transponder Key Computer <9–4>
Integration Relay <1–5><2–5>
Airbag Sensor Assembly <22–8>
J12(A), J13(B) Junction Connector
C14 Combination SW
Cruise Control SW
CRUISE
RES/ACC
SET/COAST
CANCEL
Combination Meter<42–4>
C 1 Camshaft Position Sensor
C 6 Crankshaft Position Sensor
T 3 Throttle Position SW
Near the Starter
D 5 DLC3
E 9(A), E10(B), E12(C), E13(D) Engine ECU (M/T)
J 8(A), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
(Shielded)

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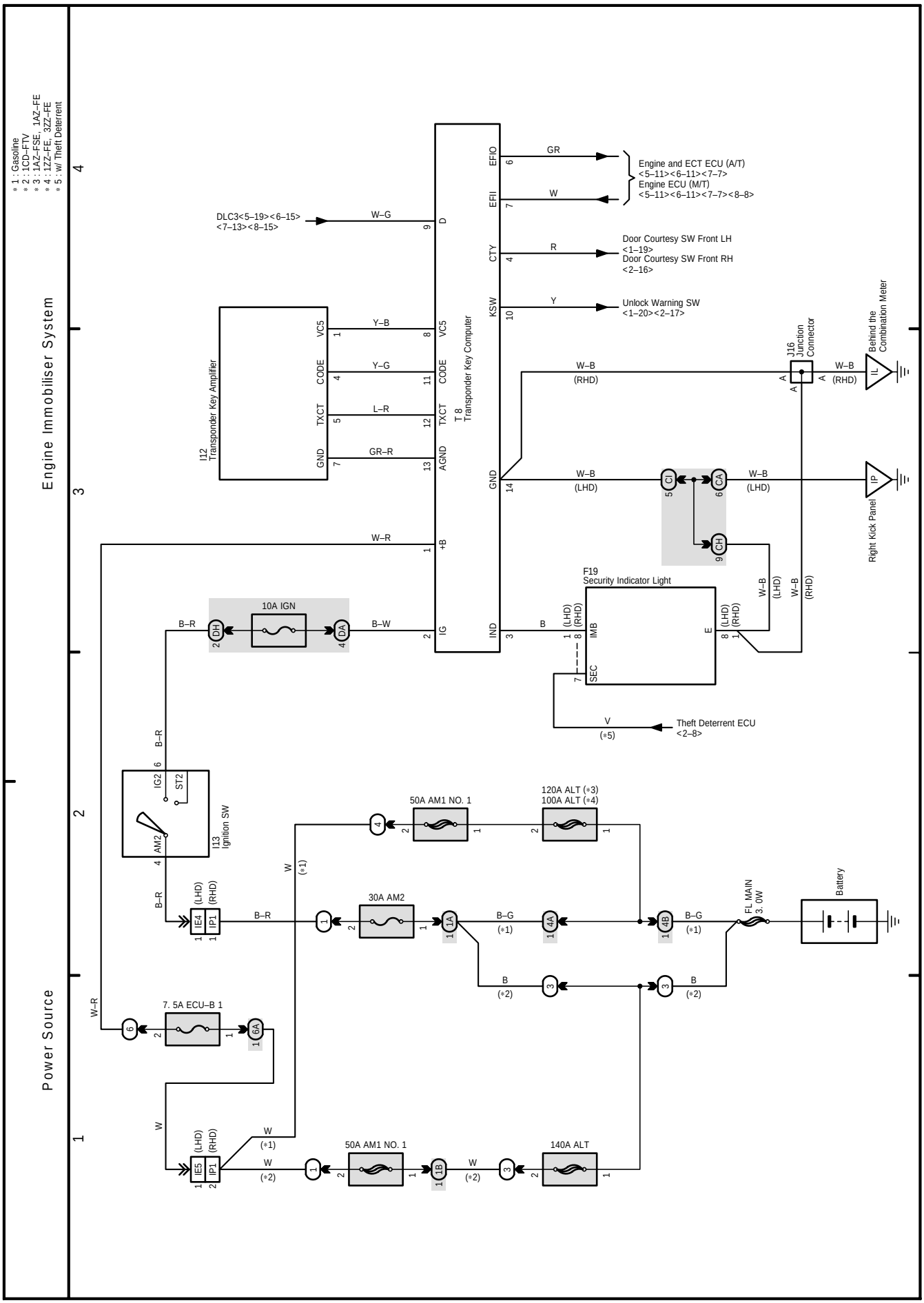
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
Engine Immobiliser System
Power Source
DLC3<5–19><6–15><7–13><8–15>
W–G
I12 Transponder Key Amplifier
VC5
CODE
TXCT
GND
Y–B
Y–G
L–R
GR–R
T 8 Transponder Key Computer
EFIO
EFII
CTY
KSW
GND
+B
IG
IND
AGND
GR
W
R
Y
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7><8–8>
Door Courtesy SW Front LH
<1–19>
Door Courtesy SW Front RH
<2–16>
Unlock Warning SW
<1–20><2–17>
J16 Junction Connector
Behind the Combination Meter
W–B
(RHD)
W–B
(LHD)
Right Kick Panel
W–R
10A IGN
B–R
B–W
F19 Security Indicator Light
IMB
SEC
E
V
(*5)
Theft Deterrent ECU
<2–8>
I13 Ignition SW
IG2
ST2
AM2
50A AM1 NO. 1
120A ALT (*3)
100A ALT (*4)
30A AM2
7. 5A ECU–B 1
140A ALT
FL MAIN
3. 0W
Battery
B–G
B
(*1)
(*2)

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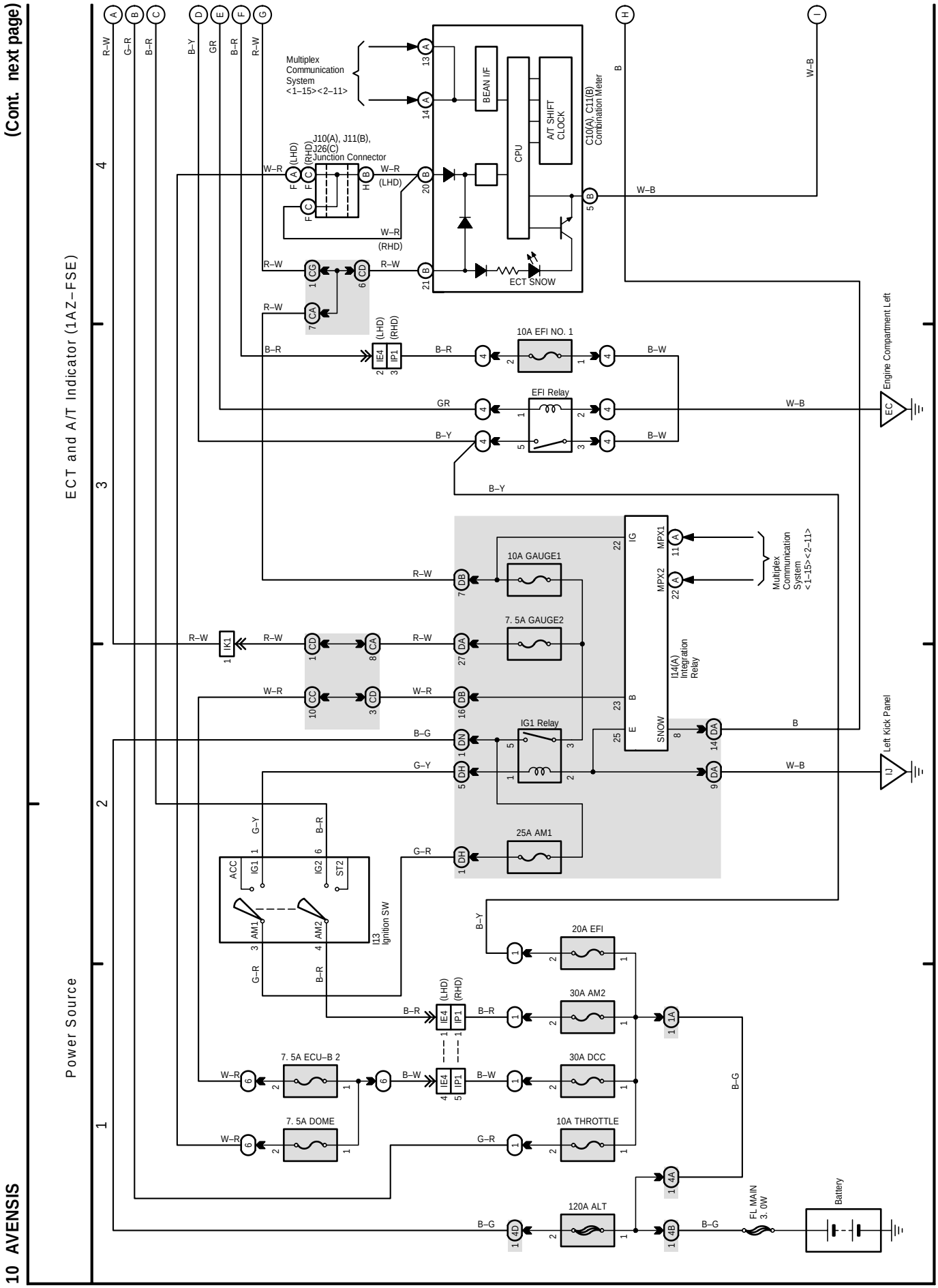
(Cont. next page)
ECT and A/T Indicator (1AZ–FSE)
Power Source
10 AVENSIS
Multiplex Communication System <1–15><2–11>
BEAN I/F
CPU
A/T SHIFT CLOCK
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
ECT SNOW
10A EFI NO. 1
EFI Relay
Engine Compartment Left
10A GAUGE1
7. 5A GAUGE2
I14(A) Integration Relay
IG1 Relay
Left Kick Panel
25A AM1
I13 Ignition SW
20A EFI
30A AM2
30A DCC
7. 5A ECU–B 2
7. 5A DOME
10A THROTTLE
120A ALT
FL MAIN 3. 0W
Battery

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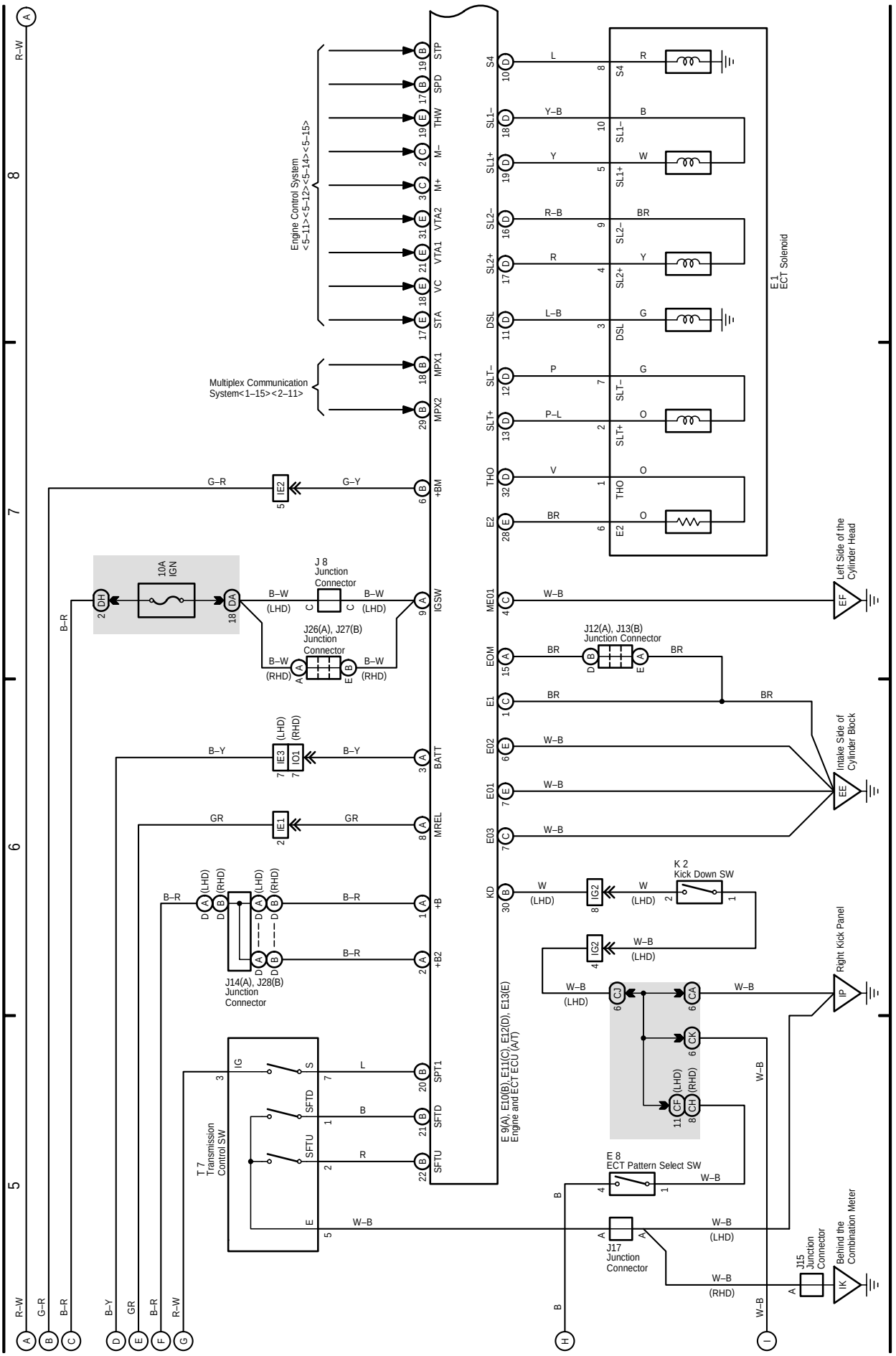
10 AVENSIS (Cont' d)

(Cont. next page)



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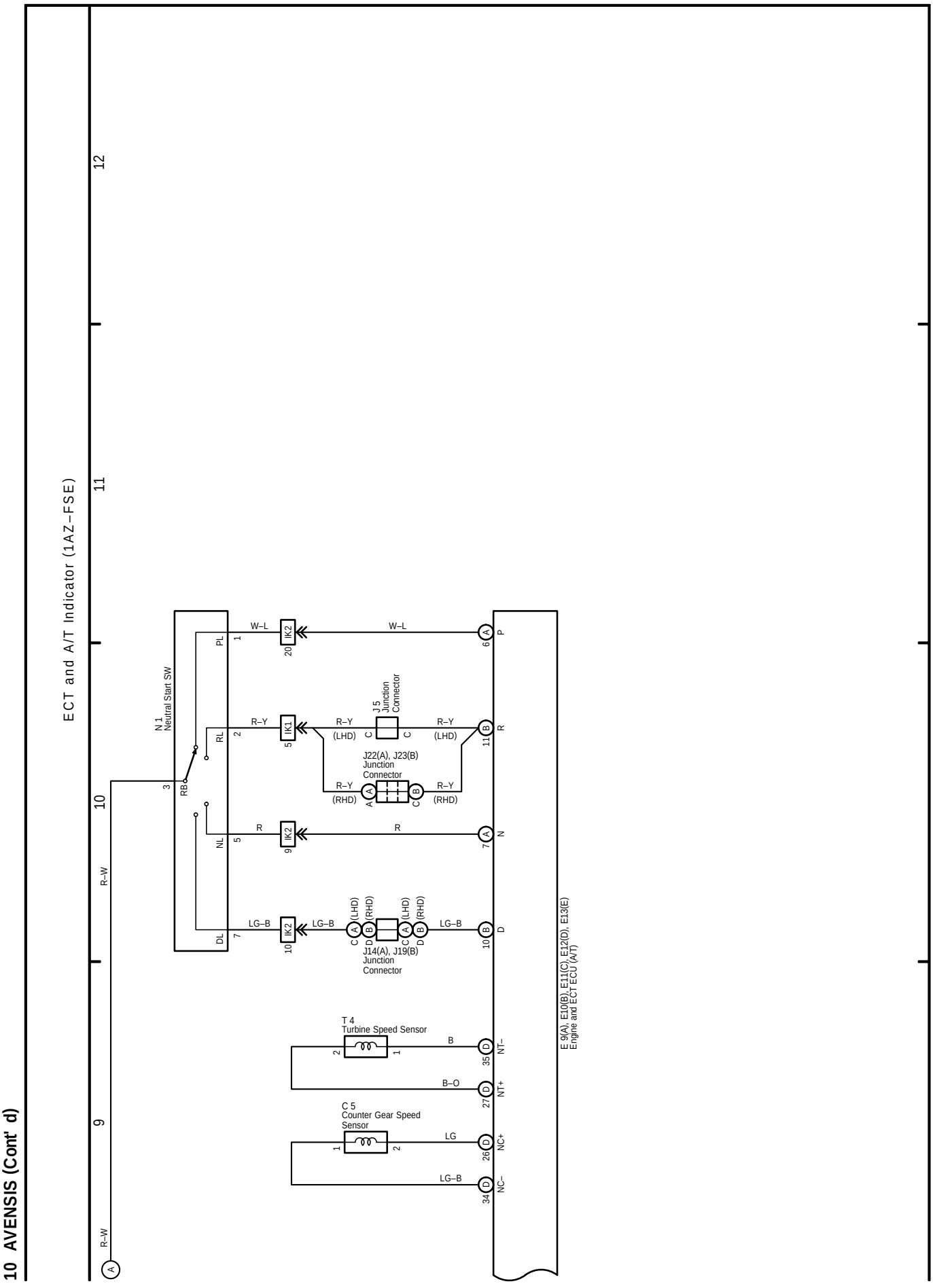
10 AVENSIS (Cont' d)
ECT and A/T Indicator (1AZ–FSE)
12
11
10
9
R–W
A
N 1
Neutral Start SW
RB
PL
RL
NL
DL
3
1
2
5
7
IK2
IK1
20
5
9
10
W–L
R–Y
R
LG–B
J 5
Junction
Connector
(LHD)
(RHD)
J22(A), J23(B)
Junction
Connector
J14(A), J19(B)
Junction
Connector
T 4
Turbine Speed Sensor
B
B–O
C 5
Counter Gear Speed
Sensor
LG
LG–B
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
P
R
N
D
NT–
NT+
NC+
NC–
6
11
7
10
35
27
26
34

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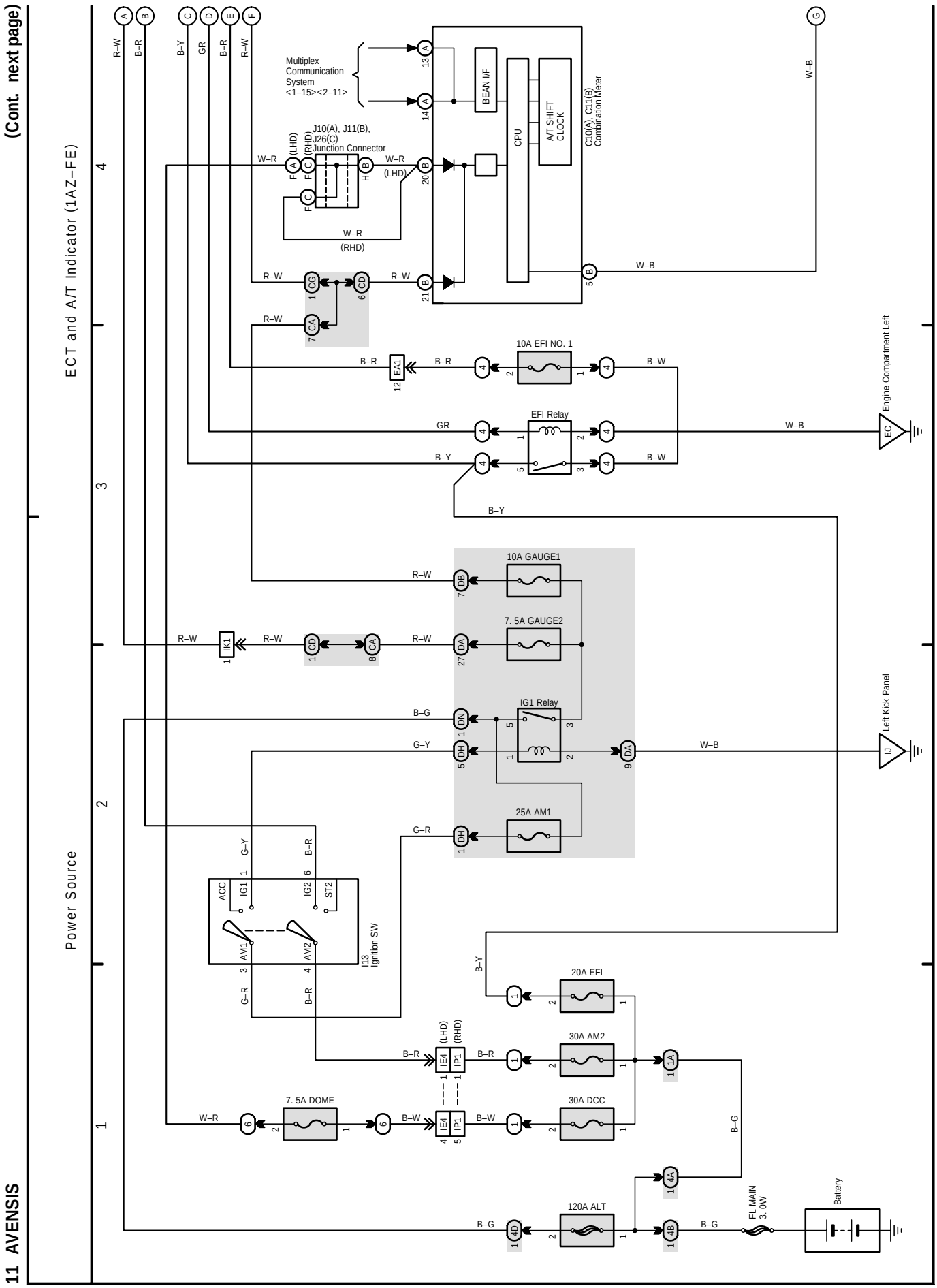
(Cont. next page)
ECT and A/T Indicator (1AZ–FE)
Power Source
11 AVENSIS
Multiplex Communication System <1–15><2–11>
BEAN I/F
CPU
A/T SHIFT CLOCK
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
(LHD)
(RHD)
W–R
(LHD)
W–R
(RHD)
W–B
R–W
B–R
B–Y
GR
G–Y
G–R
B–G
B–W
10A EFI NO. 1
EFI Relay
10A GAUGE1
7. 5A GAUGE2
IG1 Relay
25A AM1
20A EFI
30A AM2
30A DCC
7. 5A DOME
120A ALT
FL MAIN 3. 0W
Battery
Engine Compartment Left
Left Kick Panel
I13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2

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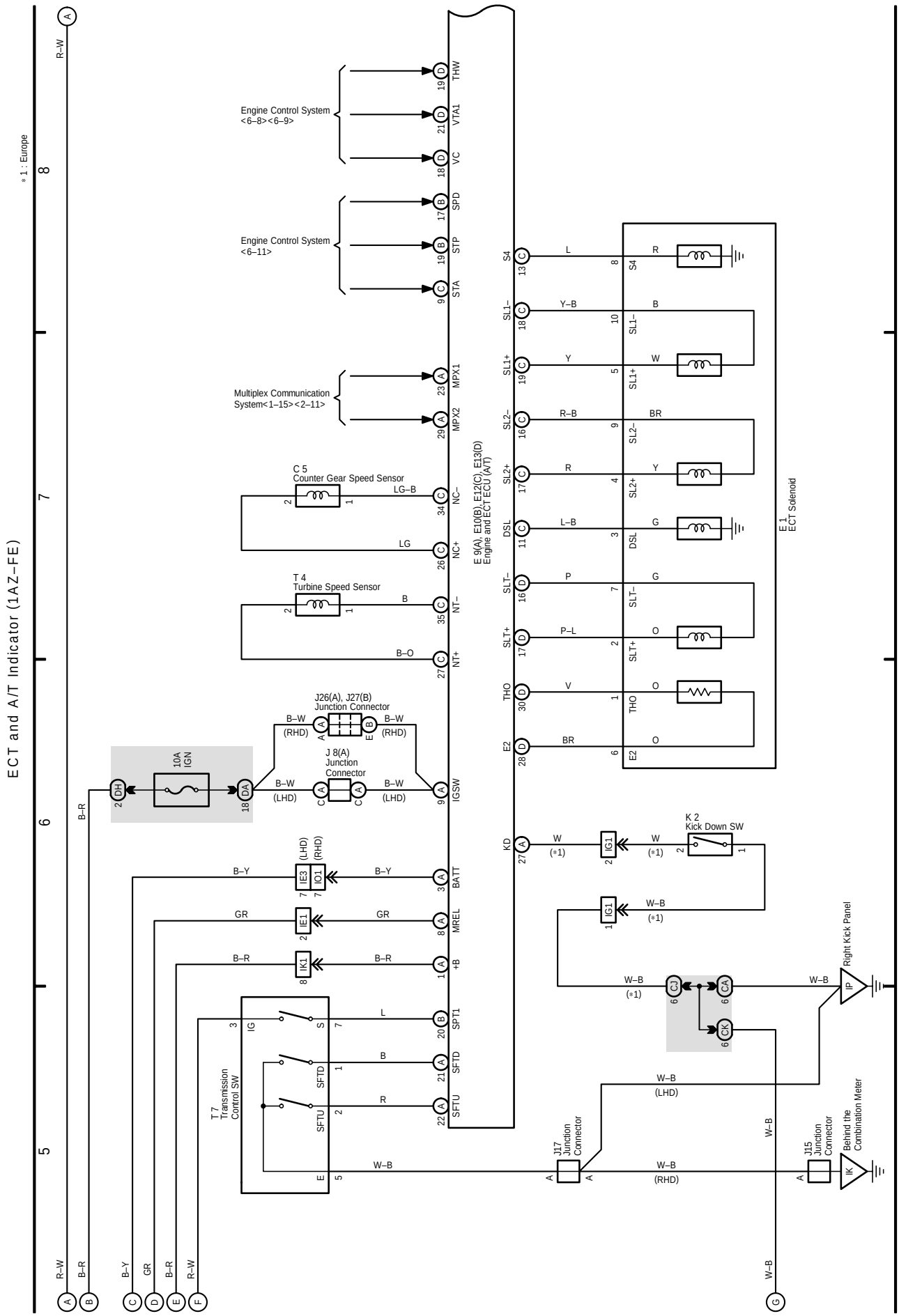
11 AVENSIS (Cont' d)

(Cont. next page)



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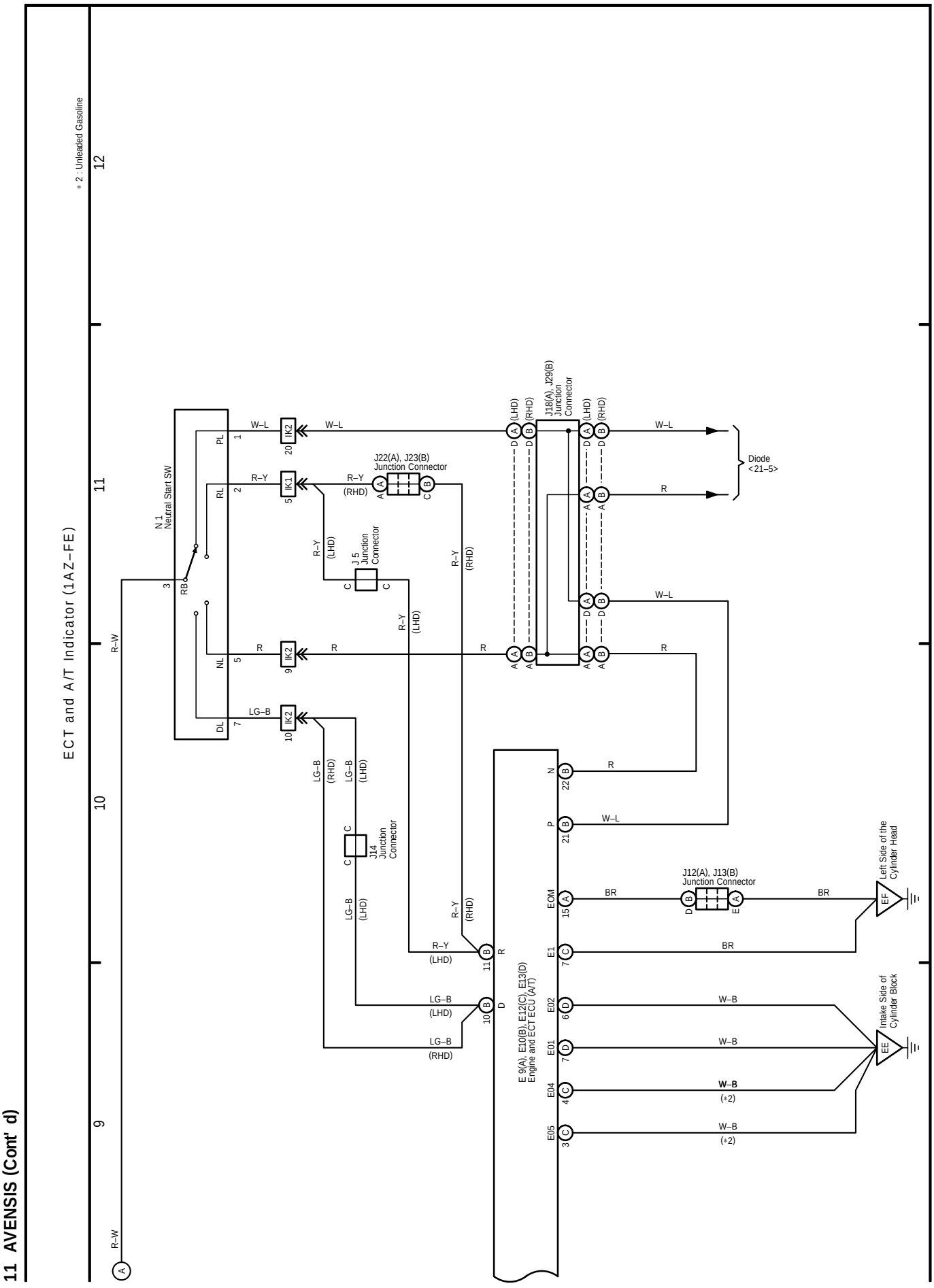
11 AVENSIS (Cont' d)
ECT and A/T Indicator (1AZ–FE)
* 2 : Unleaded Gasoline
12
11
10
9
N 1
Neutral Start SW
J22(A), J23(B)
Junction Connector
J 5
Junction Connector
J14
Junction Connector
J18(A), J29(B)
Junction Connector
J12(A), J13(B)
Junction Connector
Diode
<21–5>
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Left Side of the
Cylinder Head
Intake Side of
Cylinder Block
EF
EE
W–L
R–Y
R
LG–B
R–W
W–B
BR
(LHD)
(RHD)
(*2)

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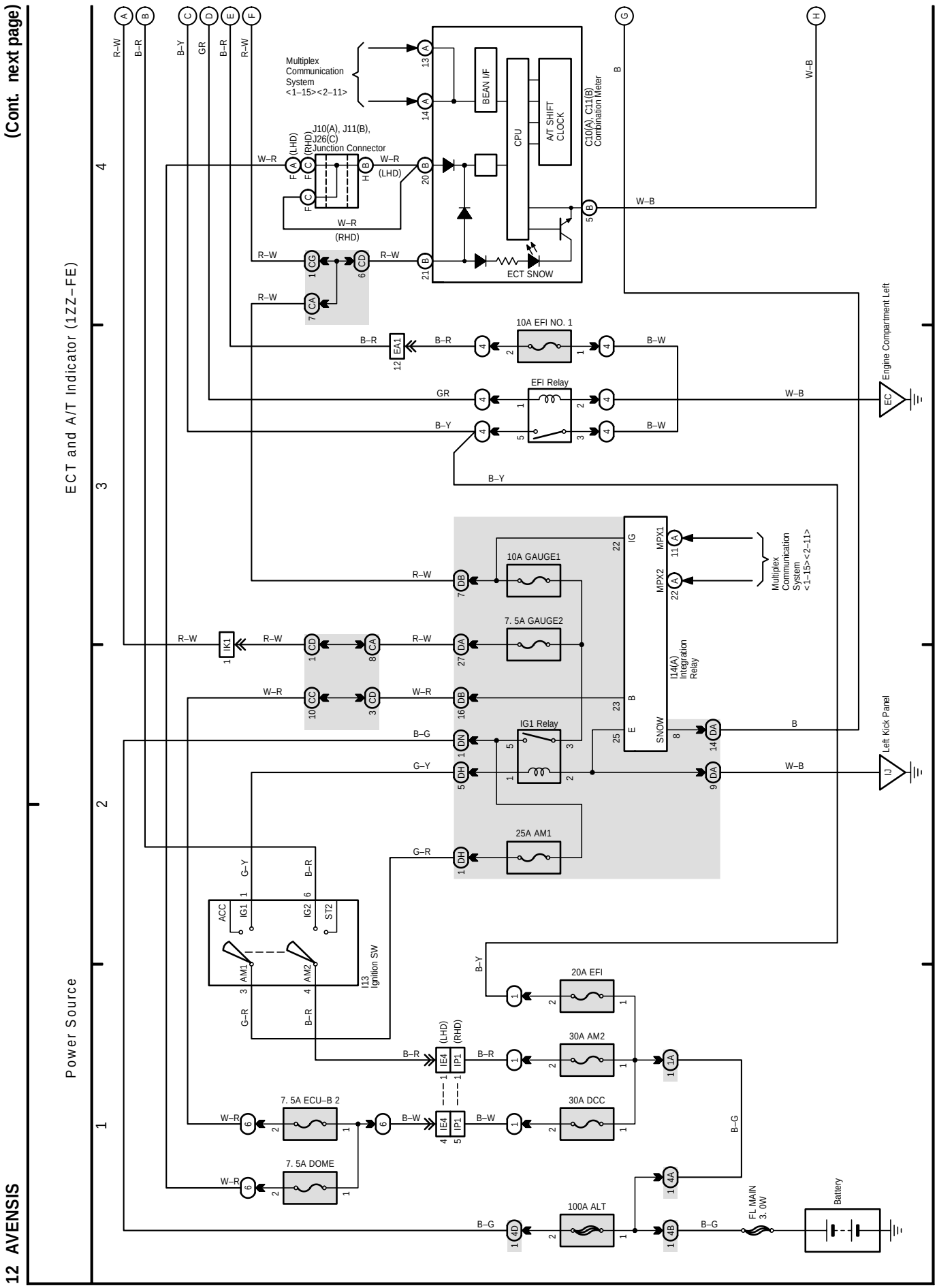
(Cont. next page)
ECT and A/T Indicator (1ZZ–FE)
Power Source
12 AVENSIS
Multiplex Communication System <1–15><2–11>
BEAN I/F
CPU
A/T SHIFT CLOCK
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
ECT SNOW
10A EFI NO. 1
EFI Relay
Engine Compartment Left
10A GAUGE1
7. 5A GAUGE2
I14(A) Integration Relay
IG1 Relay
25A AM1
Left Kick Panel
I13 Ignition SW
20A EFI
30A AM2
30A DCC
7. 5A ECU–B 2
7. 5A DOME
100A ALT
FL MAIN 3. 0W
Battery

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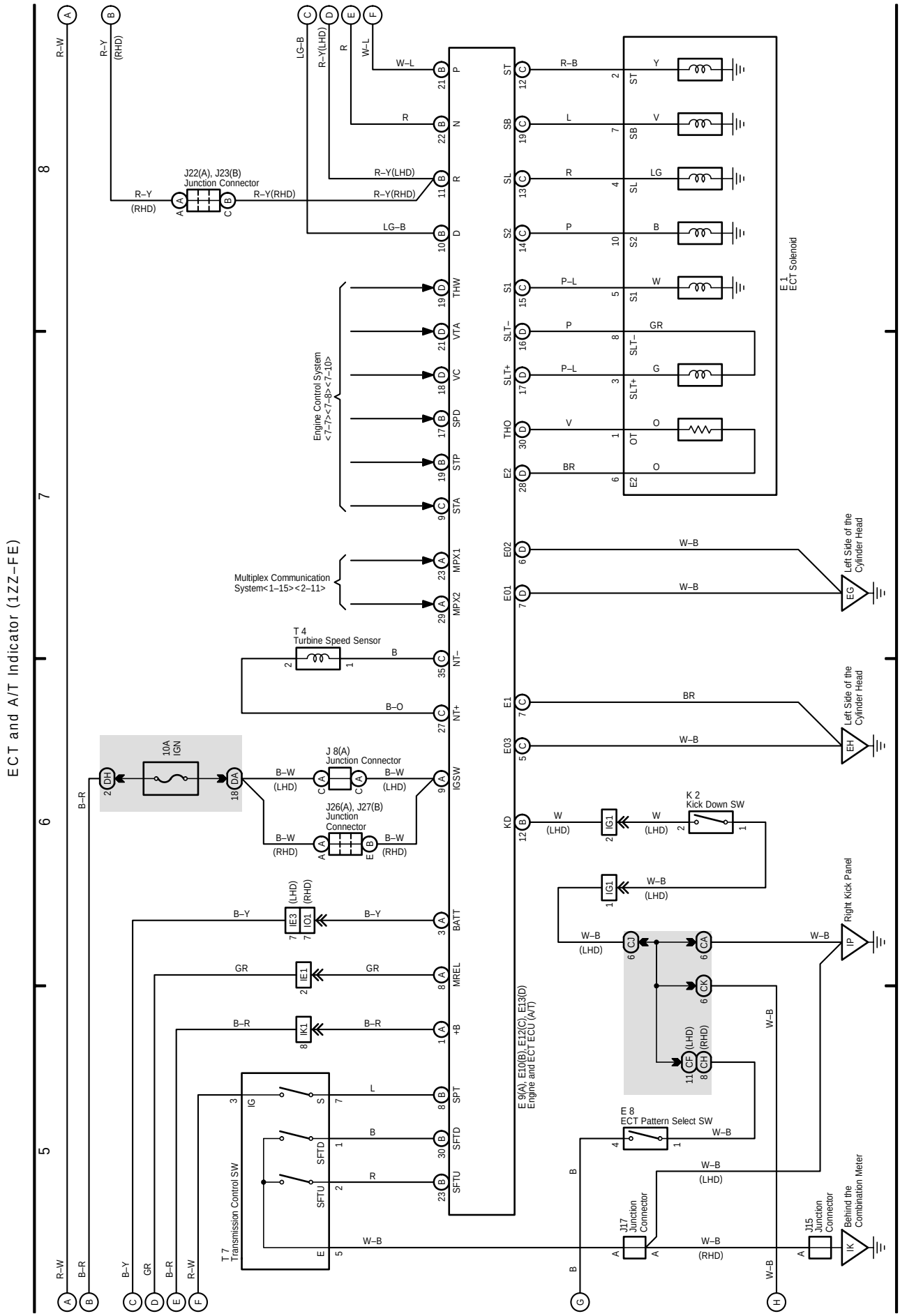
12 AVENSIS (Cont' d)

(Cont. next page)



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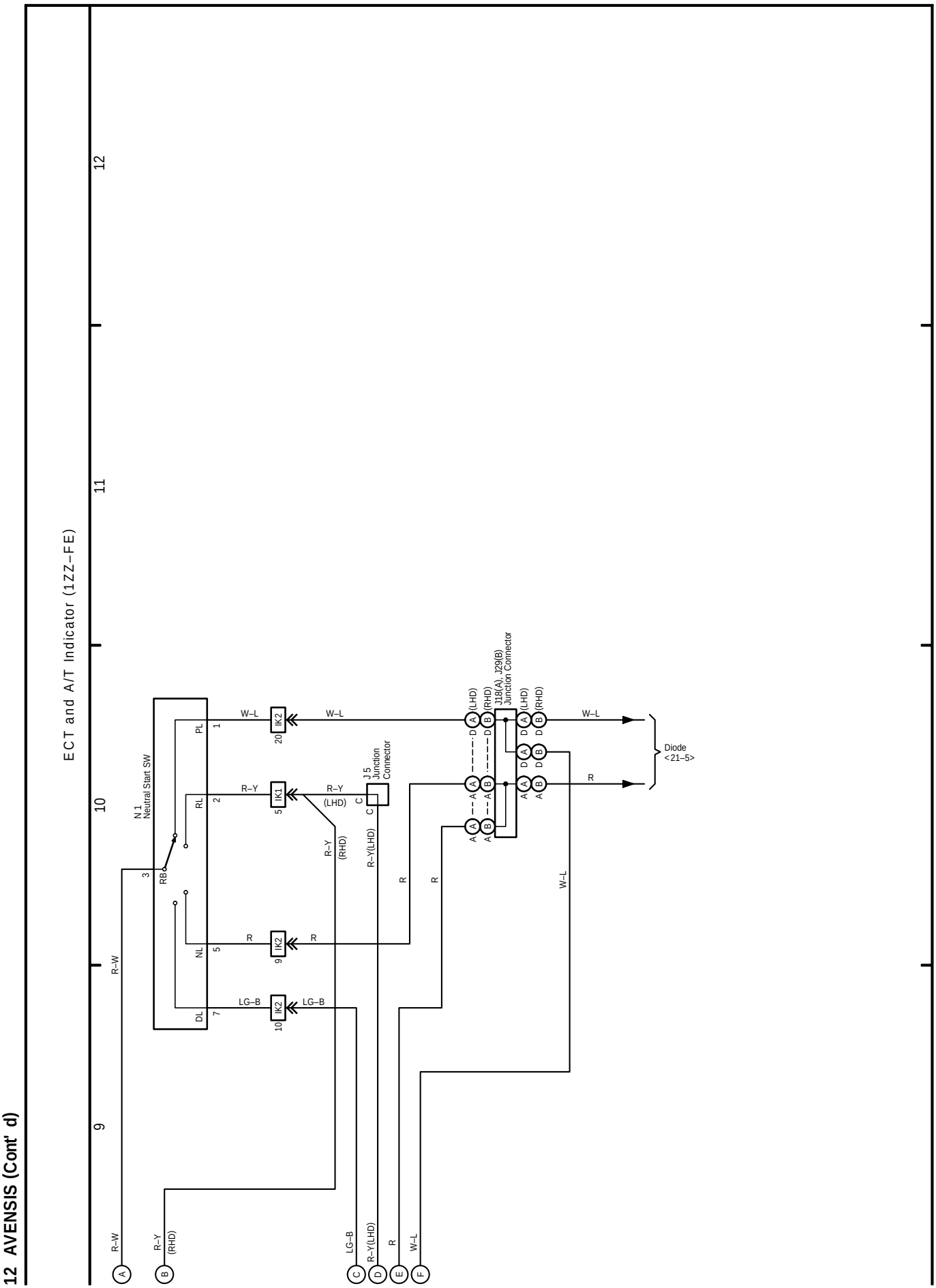
12 AVENSIS (Cont' d)
ECT and A/T Indicator (1ZZ–FE)
9
10
11
12
N 1
Neutral Start SW
RB
PL
RL
NL
DL
IK1
IK2
J5
Junction
Connector
J18(A), J29(B)
Junction Connector
(LHD)
(RHD)
Diode
<21–5>
W–L
R–Y
R–Y
(LHD)
R–Y
(RHD)
R–Y(LHD)
R
LG–B
R–W
A
B
C
D
E
F

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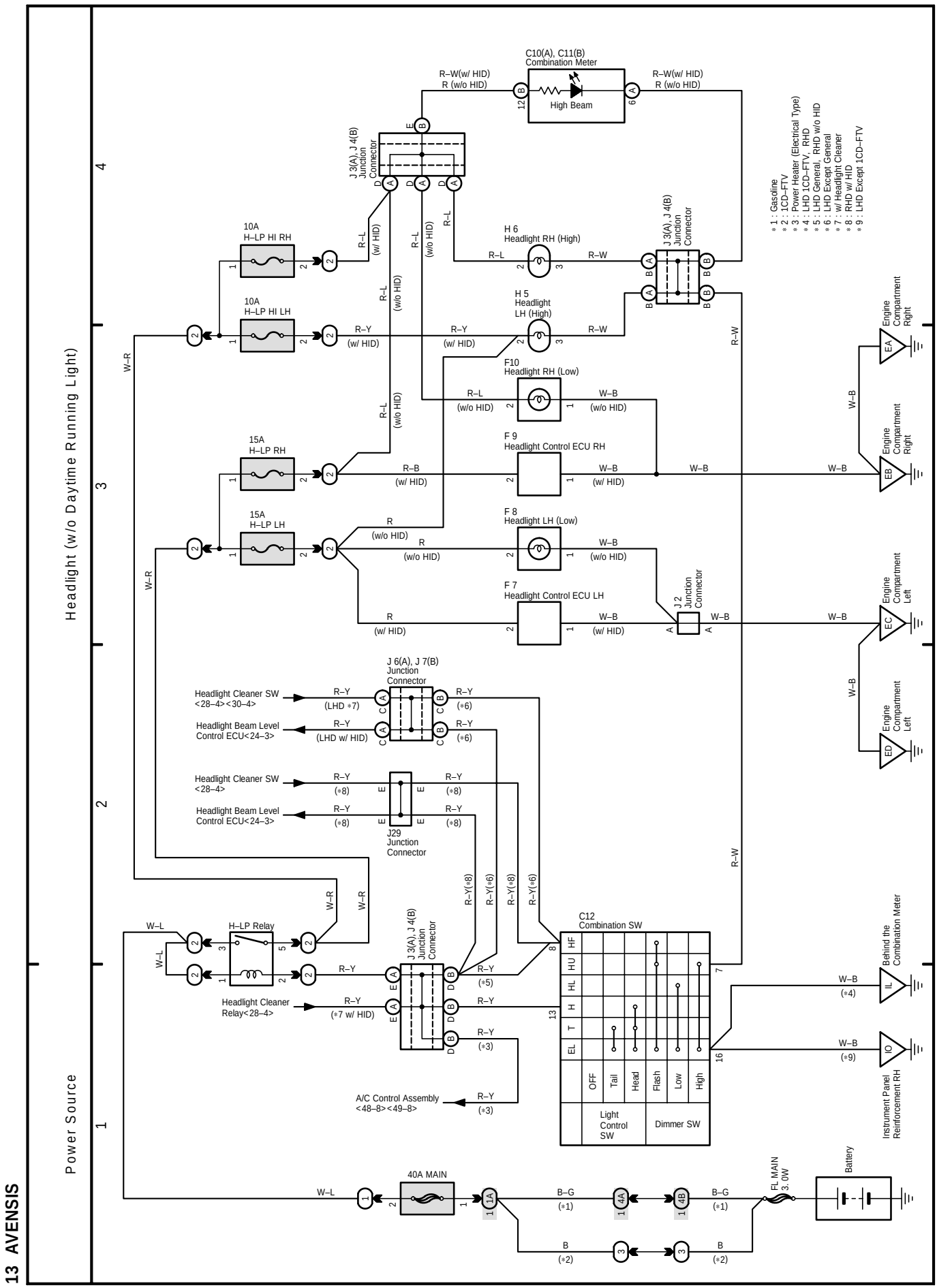
13 AVENSIS
Power Source
Headlight (w/o Daytime Running Light)
C10(A), C11(B)
Combination Meter
High Beam
R–W(w/ HID)
R (w/o HID)
J 3(A), J 4(B)
Junction Connector
10A
H–LP HI RH
10A
H–LP HI LH
15A
H–LP RH
15A
H–LP LH
H 6
Headlight RH (High)
H 5
Headlight
LH (High)
F10
Headlight RH (Low)
F 9
Headlight Control ECU RH
F 8
Headlight LH (Low)
F 7
Headlight Control ECU LH
J 2
Junction Connector
J 6(A), J 7(B)
Junction Connector
J29
Junction Connector
H–LP Relay
Headlight Cleaner
Relay<28–4>
Headlight Cleaner SW
<28–4><30–4>
Headlight Beam Level
Control ECU<24–3>
Headlight Cleaner SW
<28–4>
A/C Control Assembly
<48–8><49–8>
C12
Combination SW
Light
Control
SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
Engine
Compartment
Right
Engine
Compartment
Left
Behind the
Combination Meter
Instrument Panel
Reinforcement RH
40A MAIN
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : LHD 1CD–FTV, RHD
* 5 : LHD General, RHD w/o HID
* 6 : LHD Except General
* 7 : w/ Headlight Cleaner
* 8 : RHD w/ HID
* 9 : LHD Except 1CD–FTV

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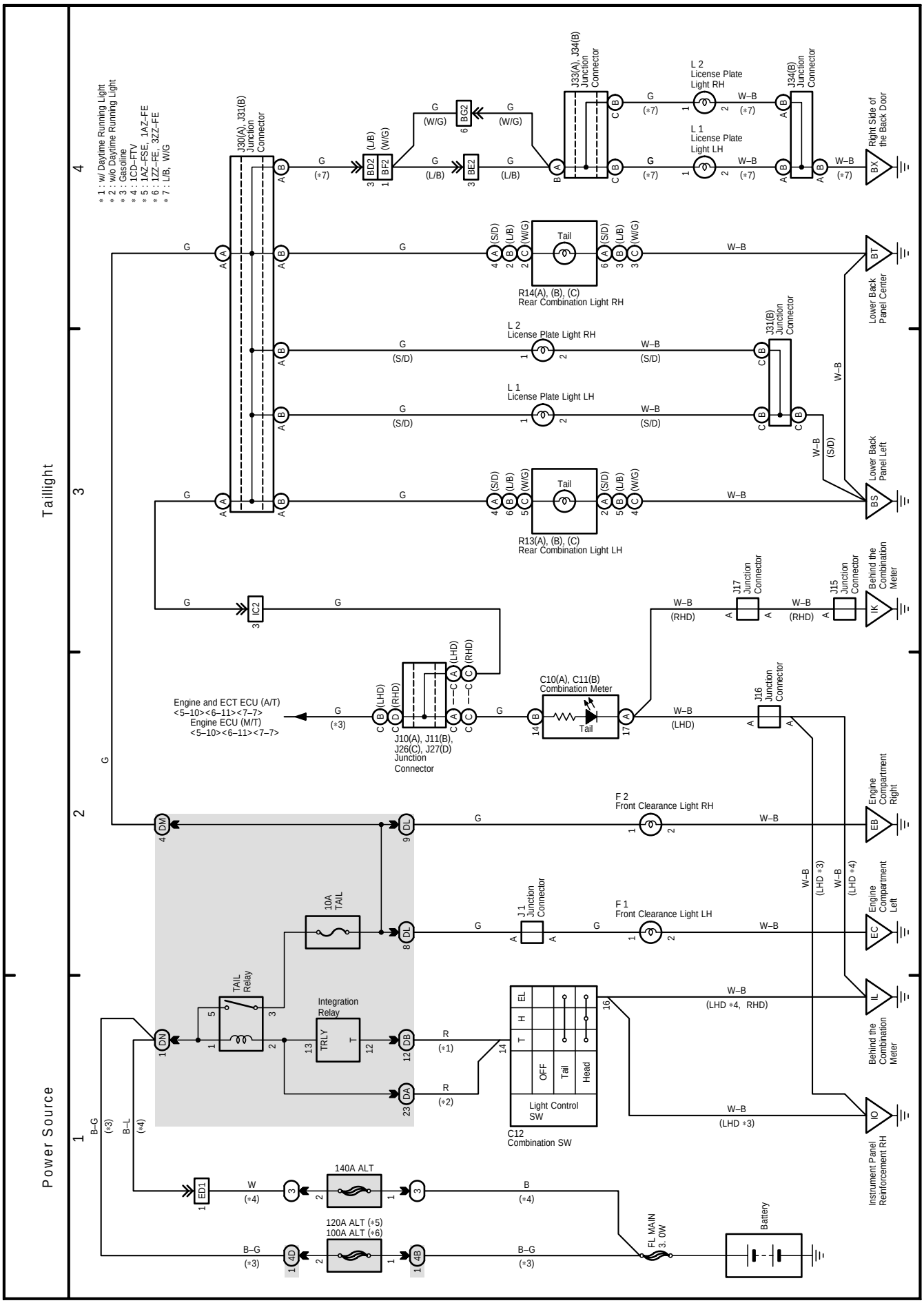
Taillight
Power Source
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
* 7 : L/B, W/G
J30(A), J31(B) Junction Connector
J33(A), J34(B) Junction Connector
J34(B) Junction Connector
L 2 License Plate Light RH
L 1 License Plate Light LH
Right Side of the Back Door
Tail
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Lower Back Panel Center
Lower Back Panel Left
J31(B) Junction Connector
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
Engine and ECT ECU (A/T) <5–10><6–11><7–7> Engine ECU (M/T) <5–10><6–11><7–7>
J10(A), J11(B), J26(C), J27(D) Junction Connector
C10(A), C11(B) Combination Meter
J16 Junction Connector
F 2 Front Clearance Light RH
F 1 Front Clearance Light LH
Engine Compartment Right
Engine Compartment Left
J1 Junction Connector
10A TAIL
TAIL Relay
Integration Relay
Light Control SW
C12 Combination SW
Instrument Panel Reinforcement RH
140A ALT
120A ALT (*5) 100A ALT (*6)
FL MAIN 3. 0W
Battery

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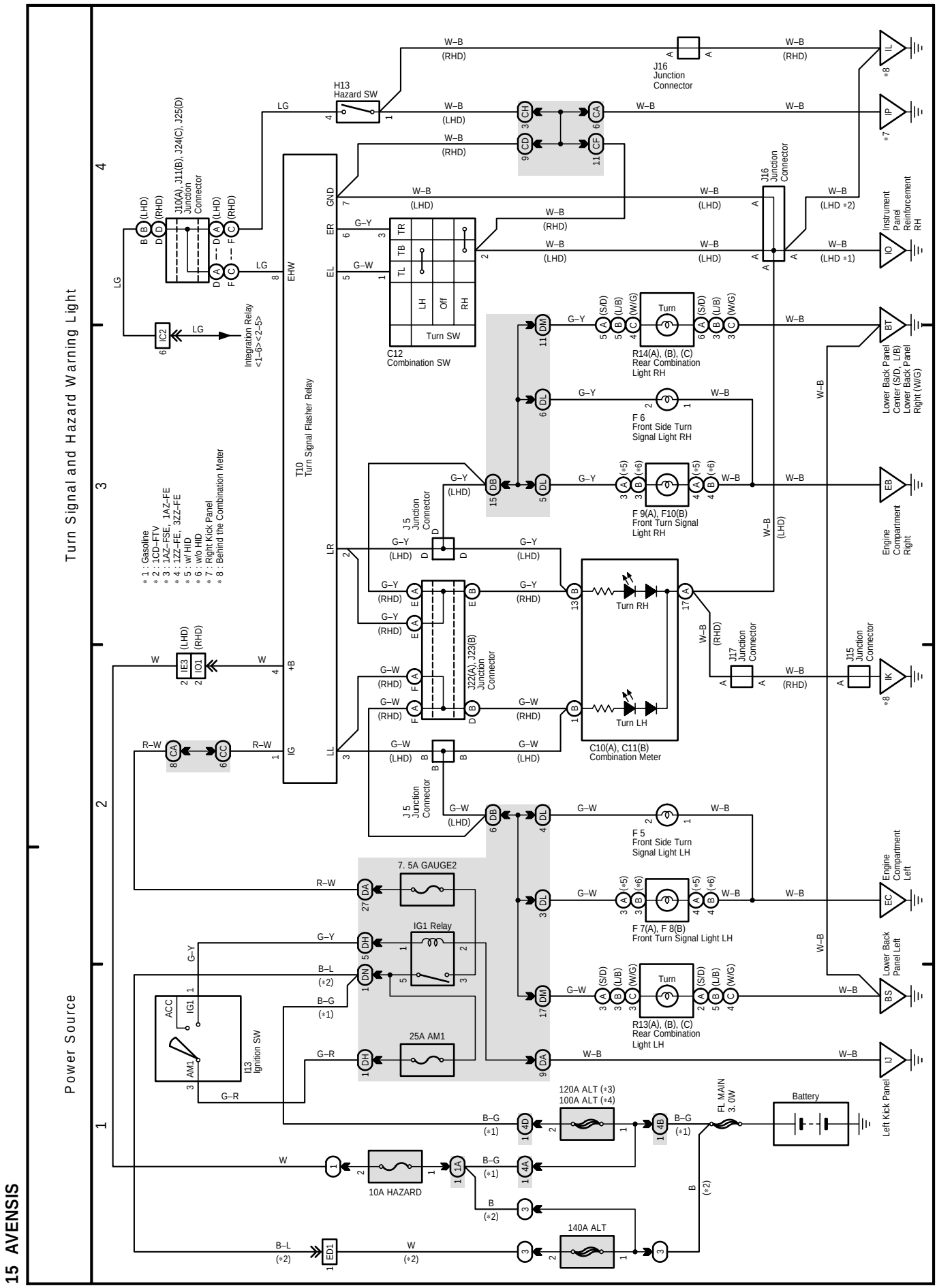
15 AVENSIS
Turn Signal and Hazard Warning Light
Power Source
H13 Hazard SW
J16 Junction Connector
J10(A), J11(B), J24(C), J25(D) Junction Connector
C12 Combination SW
Turn SW
Integration Relay <1–6><2–5>
T10 Turn Signal Flasher Relay
J5 Junction Connector
J22(A), J23(B) Junction Connector
C10(A), C11(B) Combination Meter
Turn RH
Turn LH
J17 Junction Connector
J15 Junction Connector
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
F 6 Front Side Turn Signal Light RH
F 9(A), F10(B) Front Turn Signal Light RH
F 5 Front Side Turn Signal Light LH
F 7(A), F 8(B) Front Turn Signal Light LH
Instrument Panel Reinforcement RH
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
Engine Compartment Right
Engine Compartment Left
Lower Back Panel Left
Left Kick Panel
7. 5A GAUGE2
IG1 Relay
25A AM1
I13 Ignition SW
10A HAZARD
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
*5 : w/ HID
*6 : w/o HID
*7 : Right Kick Panel
*8 : Behind the Combination Meter

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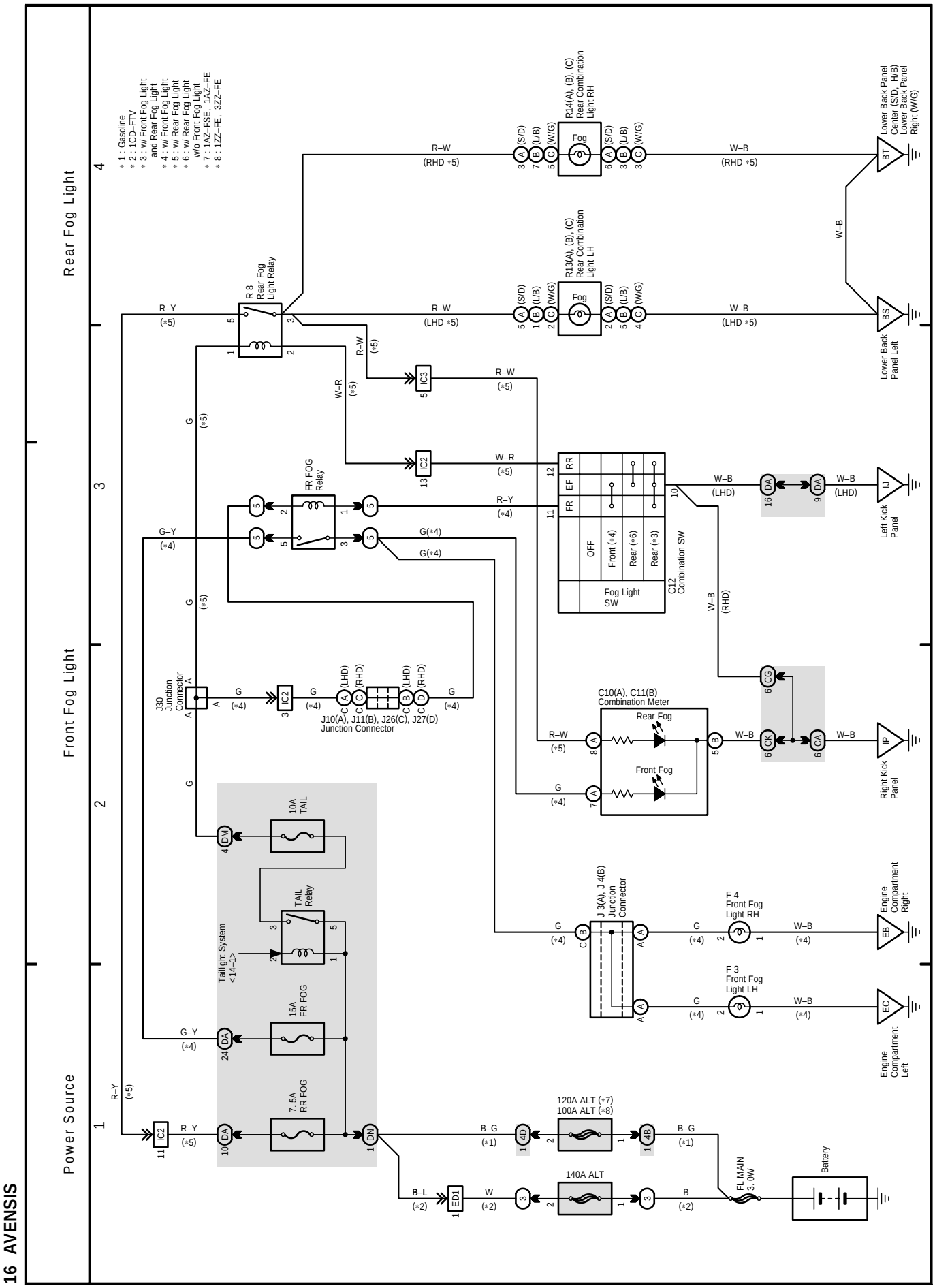
Rear Fog Light
Front Fog Light
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Front Fog Light and Rear Fog Light
* 4 : w/ Front Fog Light
* 5 : w/ Rear Fog Light
* 6 : w/ Rear Fog Light w/o Front Fog Light
* 7 : 1AZ–FSE, 1AZ–FE
* 8 : 1ZZ–FE, 3ZZ–FE
R 8 Rear Fog Light Relay
FR FOG Relay
TAIL Relay
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Fog
C12 Combination SW
Fog Light SW
OFF
Front (*4)
Rear (*6)
Rear (*3)
C10(A), C11(B) Combination Meter
Rear Fog
Front Fog
J30 Junction Connector
J10(A), J11(B), J26(C), J27(D) Junction Connector
J 3(A), J 4(B) Junction Connector
F 4 Front Fog Light RH
F 3 Front Fog Light LH
Lower Back Panel Center (S/D, H/B) Lower Back Panel Right (W/G)
Lower Back Panel Left
Left Kick Panel
Right Kick Panel
Engine Compartment Right
Engine Compartment Left
Taillight System <14–1>
10A TAIL
15A FR FOG
7.5A RR FOG
120A ALT (*7)
100A ALT (*8)
140A ALT
FL MAIN 3.0W
Battery
IC2
IC3
ED1
BT
BS
IJ
IP
EB
EC
DA
DM
DN
CG
CK
CA
4B
4D

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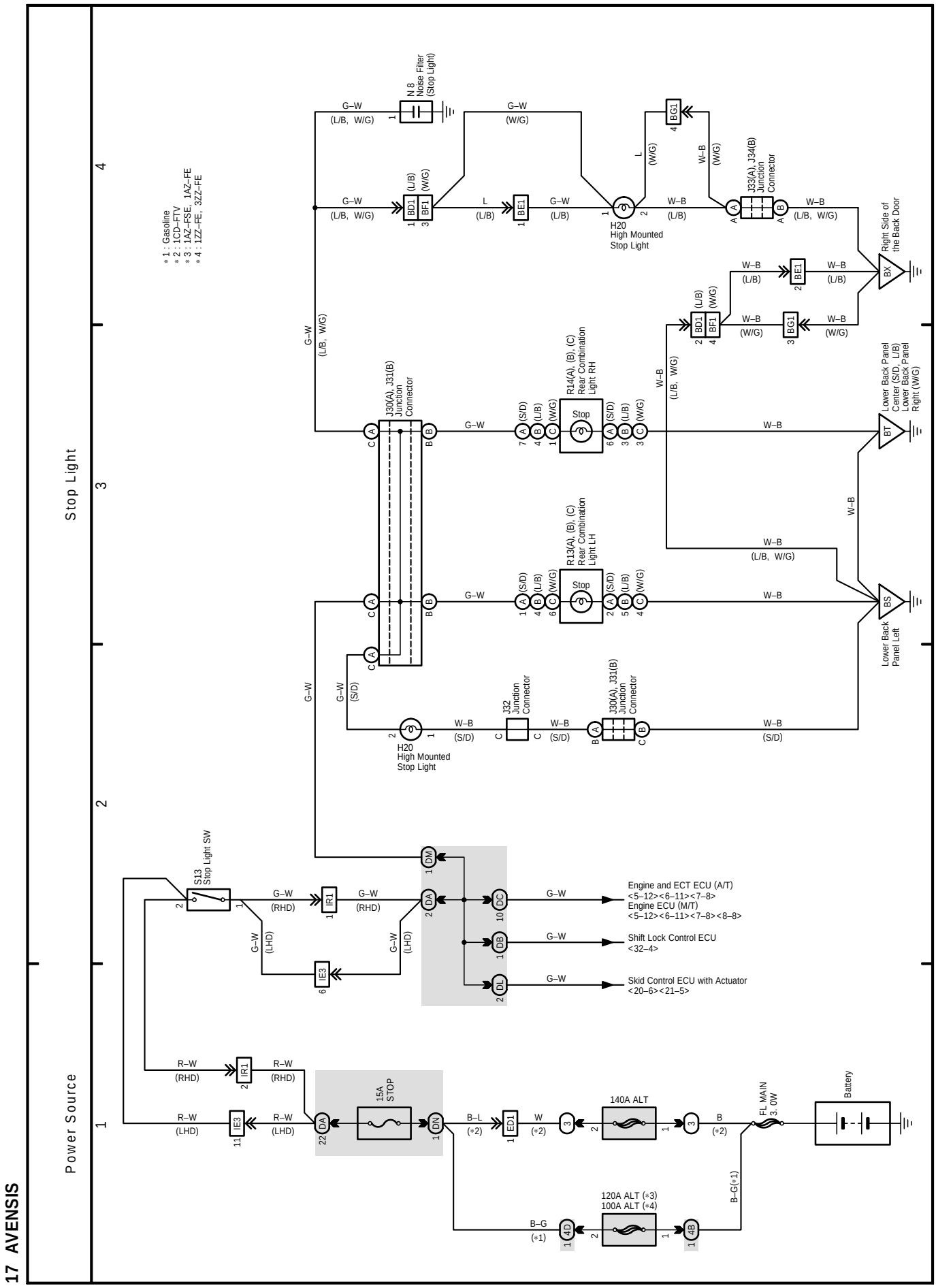
17 AVENSIS
Power Source
Stop Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
N 8 Noise Filter (Stop Light)
H20 High Mounted Stop Light
J33(A), J34(B) Junction Connector
Right Side of the Back Door
J30(A), J31(B) Junction Connector
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Stop
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
Lower Back Panel Left
J32 Junction Connector
S13 Stop Light SW
Engine and ECT ECU (A/T) <5–12><6–11><7–8> Engine ECU (M/T) <5–12><6–11><7–8><8–8>
Shift Lock Control ECU <32–4>
Skid Control ECU with Actuator <20–6><21–5>
15A STOP
140A ALT
120A ALT (*3) 100A ALT (*4)
FL MAIN 3. 0W
Battery

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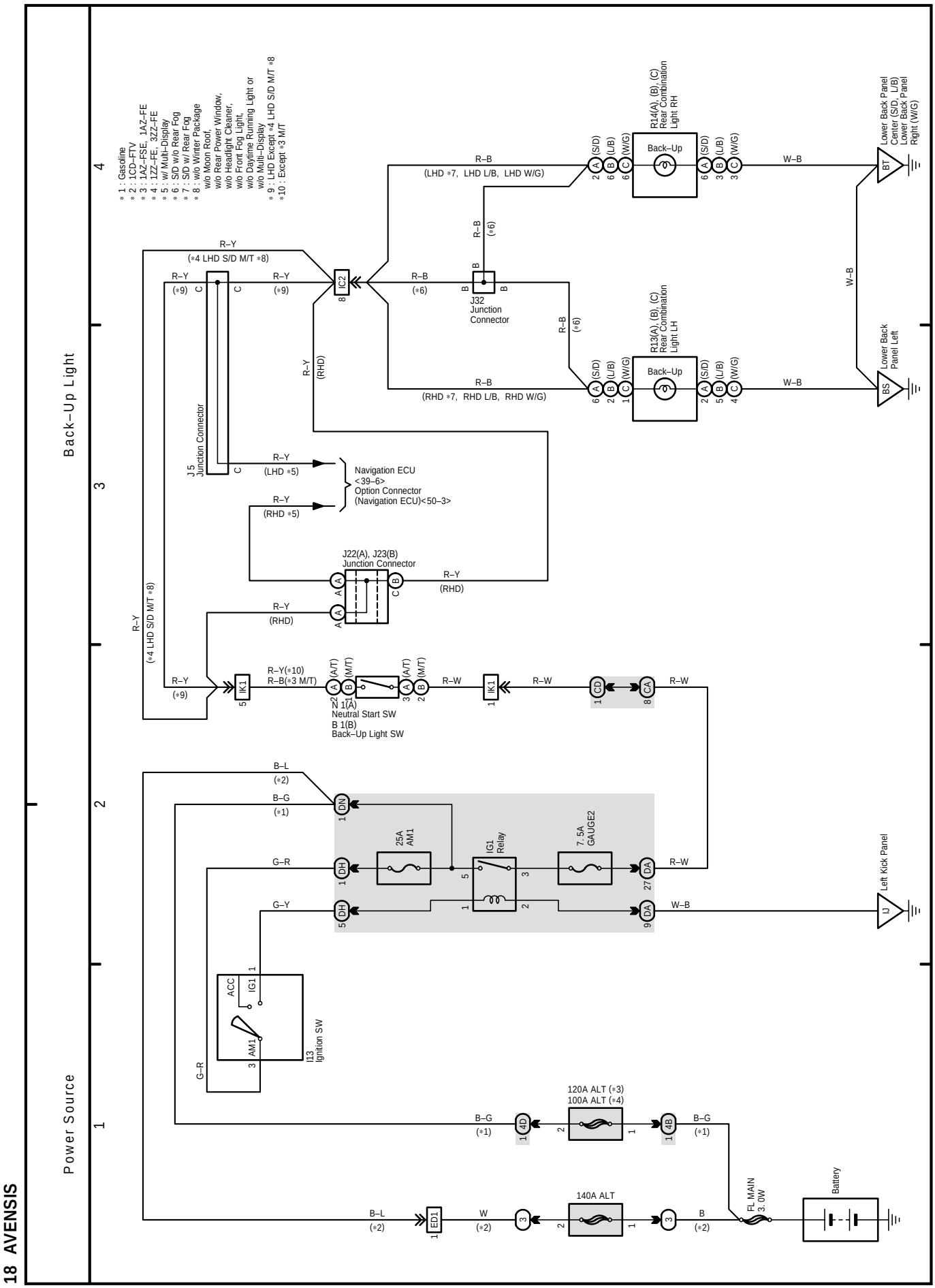
Back–Up Light
Power Source
18 AVENSIS
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : S/D w/o Rear Fog
* 7 : S/D w/ Rear Fog
* 8 : w/o Winter Package w/o Moon Roof, w/o Rear Power Window, w/o Headlight Cleaner, w/o Front Fog Light, w/o Daytime Running Light or w/o Multi–Display
* 9 : LHD Except *4 LHD S/D M/T *8
*10 : Except *3 M/T
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Back–Up
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
Lower Back Panel Left
Left Kick Panel
J32 Junction Connector
J5 Junction Connector
J22(A), J23(B) Junction Connector
Navigation ECU <39–6> Option Connector (Navigation ECU)<50–3>
Neutral Start SW
Back–Up Light SW
25A AM1
IG1 Relay
7. 5A GAUGE2
I13 Ignition SW
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
R–B (LHD *7, LHD L/B, LHD W/G)
R–B (RHD *7, RHD L/B, RHD W/G)
R–Y (*4 LHD S/D M/T *8)
R–Y (RHD)
R–Y (LHD *5)
R–Y (RHD *5)
R–Y(*10) R–B(*3 M/T)
R–W
W–B
B–L (*2)
B–G (*1)
G–R
G–Y
W (*2)
B (*2)

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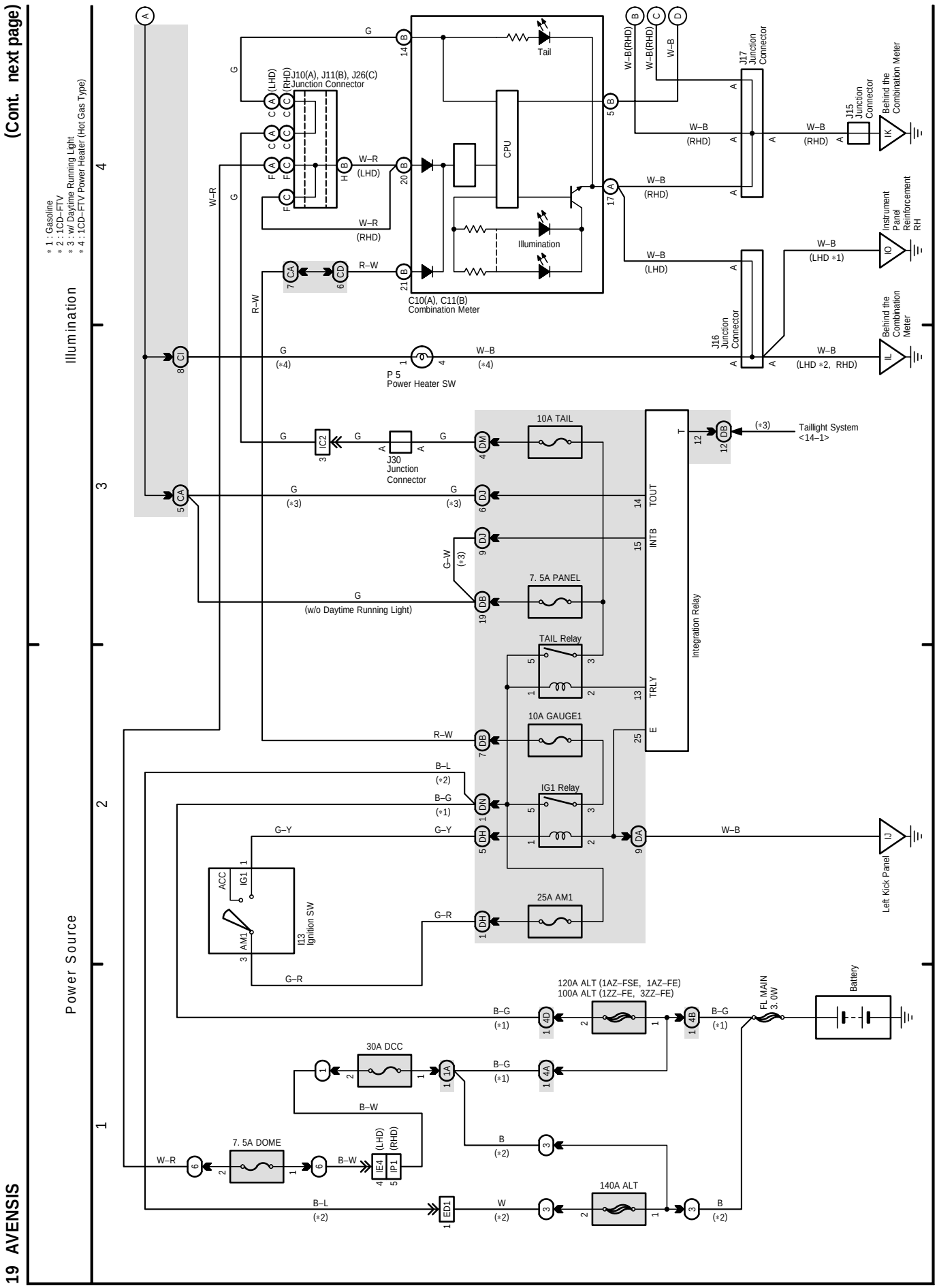
(Cont. next page)
Illumination
Power Source
19 AVENSIS
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : 1CD–FTV Power Heater (Hot Gas Type)
J10(A), J11(B), J26(C) Junction Connector
C10(A), C11(B) Combination Meter
CPU
Tail
Illumination
J17 Junction Connector
J15 Junction Connector
J16 Junction Connector
Behind the Combination Meter
Instrument Panel Reinforcement RH
P 5 Power Heater SW
J30 Junction Connector
10A TAIL
7. 5A PANEL
TAIL Relay
10A GAUGE1
IG1 Relay
25A AM1
Integration Relay
TOUT
INTB
TRLY
Taillight System <14–1>
I13 Ignition SW
Left Kick Panel
120A ALT (1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN 3. 0W
Battery
30A DCC
7. 5A DOME
(LHD)
(RHD)
(w/o Daytime Running Light)

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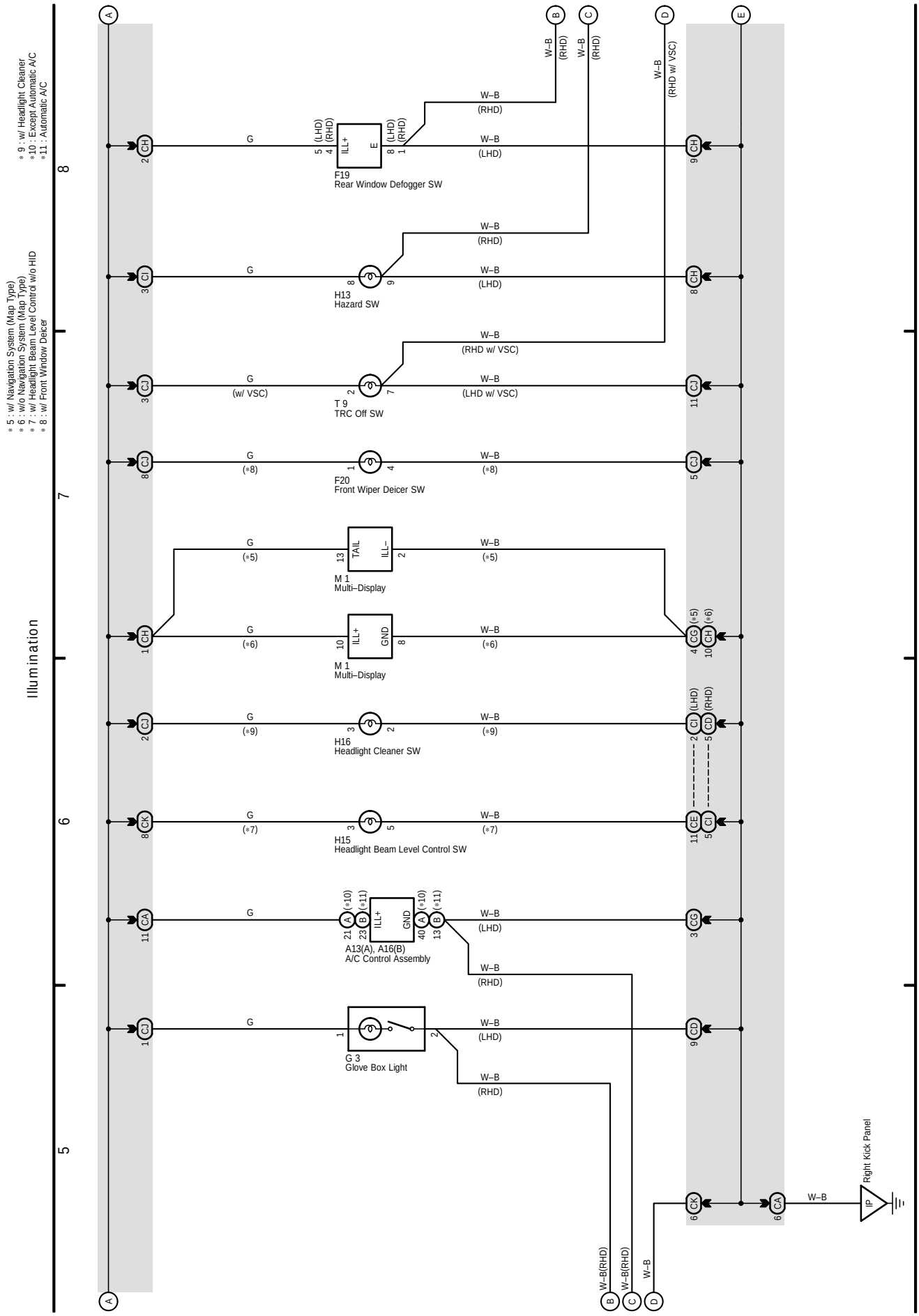

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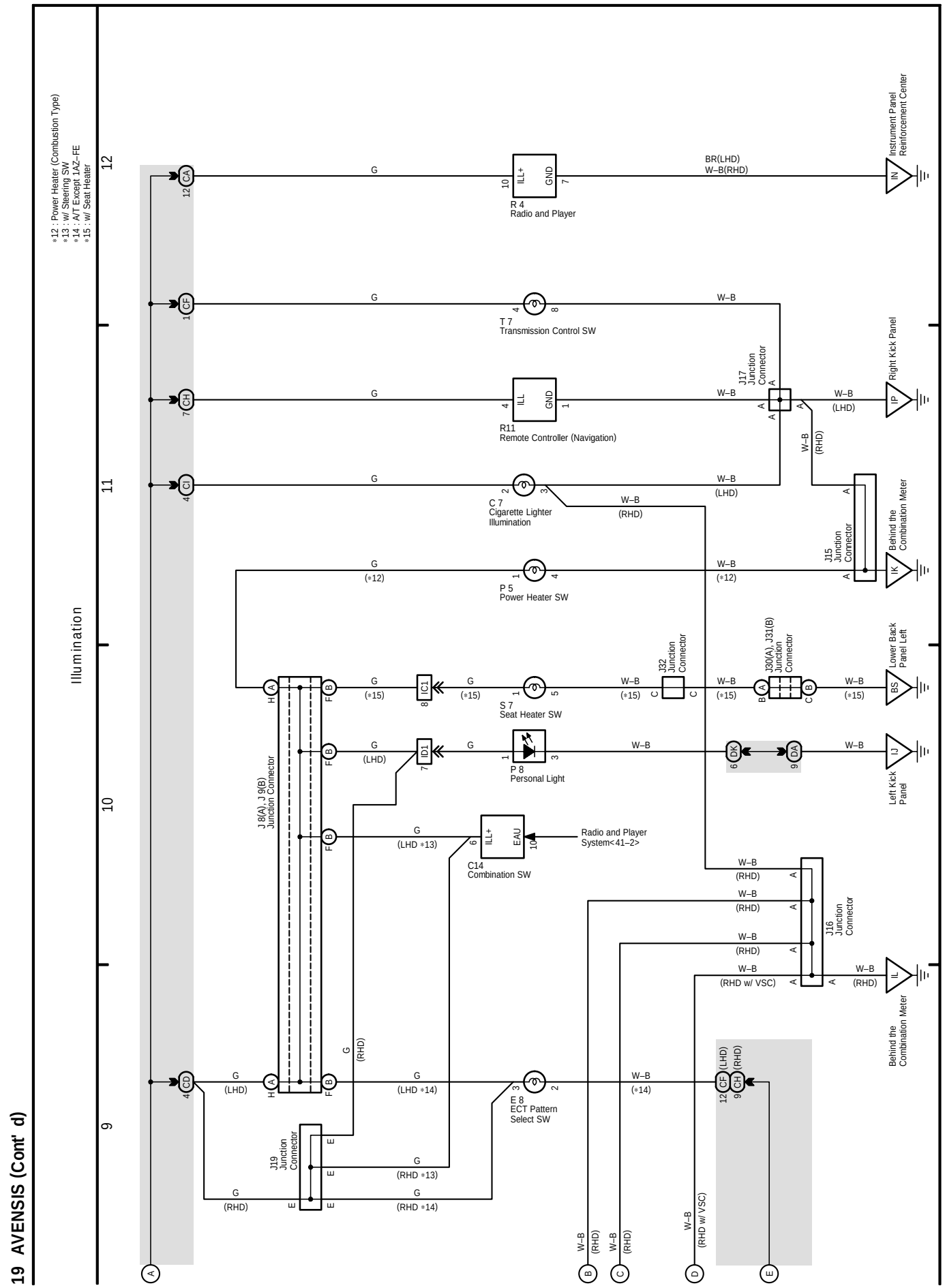
19 AVENSIS (Cont' d)
Illumination
*12 : Power Heater (Combustion Type)
*13 : w/ Steering SW
*14 : A/T Except 1AZ–FE
*15 : w/ Seat Heater
Instrument Panel Reinforcement Center
BR(LHD)
W–B(RHD)
R 4
Radio and Player
T 7
Transmission Control SW
R11
Remote Controller (Navigation)
J17 Junction Connector
Right Kick Panel
W–B (LHD)
W–B (RHD)
C 7
Cigarette Lighter Illumination
J15 Junction Connector
Behind the Combination Meter
P 5
Power Heater SW
J32 Junction Connector
J30(A), J31(B) Junction Connector
Lower Back Panel Left
S 7
Seat Heater SW
J 8(A), J 9(B) Junction Connector
P 8
Personal Light
Left Kick Panel
C14
Combination SW
Radio and Player System<41–2>
J16 Junction Connector
E 8
ECT Pattern Select SW
J19 Junction Connector
W–B (RHD w/ VSC)

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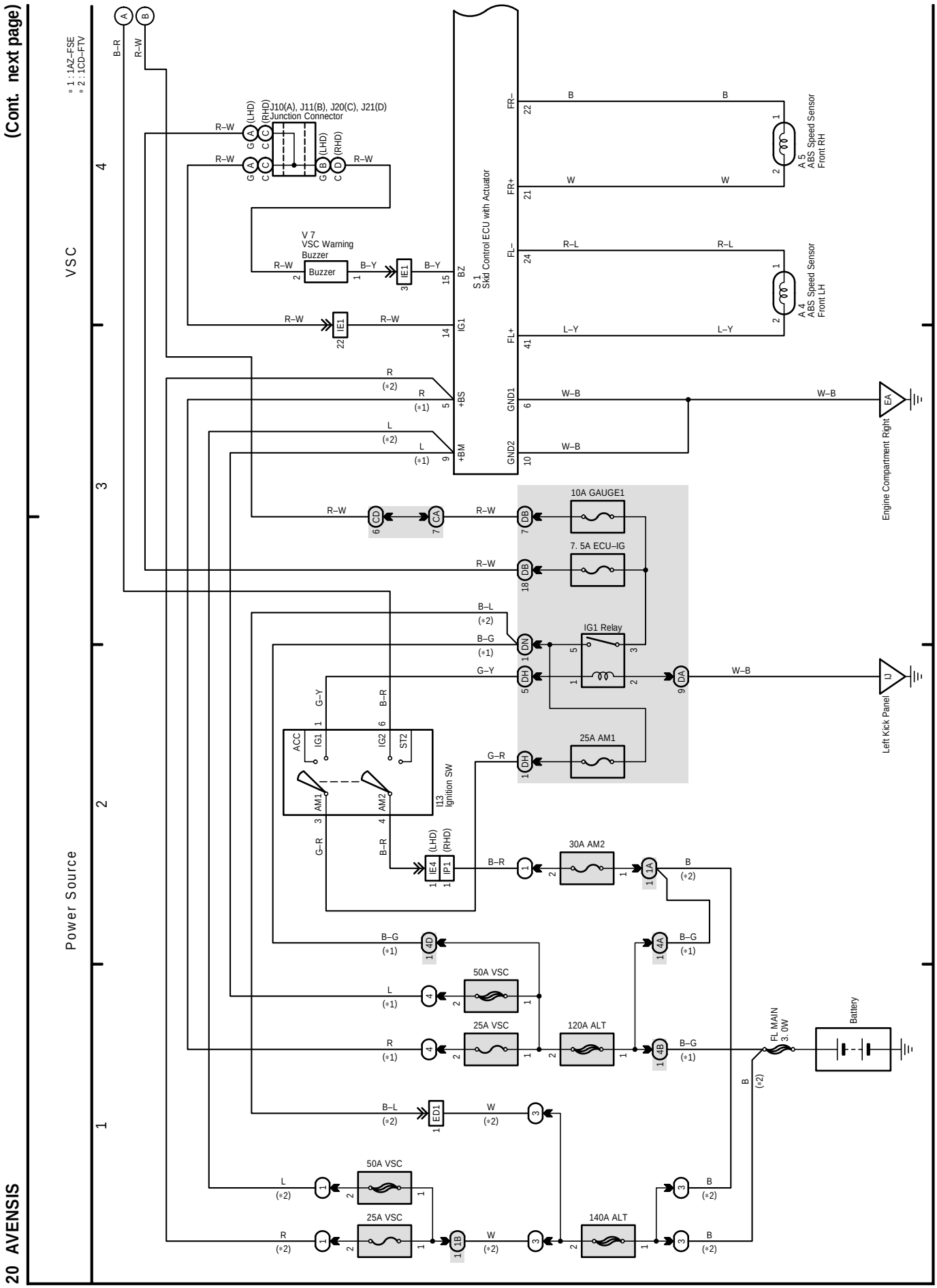
(Cont. next page)
* 1 : 1AZ–FSE
* 2 : 1CD–FTV
VSC
Power Source
J10(A), J11(B), J20(C), J21(D) Junction Connector
V 7 VSC Warning Buzzer
Buzzer
S 1 Skid Control ECU with Actuator
A 5 ABS Speed Sensor Front RH
A 4 ABS Speed Sensor Front LH
Engine Compartment Right
Left Kick Panel
10A GAUGE1
7. 5A ECU–IG
IG1 Relay
25A AM1
I13 Ignition SW
30A AM2
50A VSC
25A VSC
120A ALT
140A ALT
FL MAIN 3. 0W
Battery

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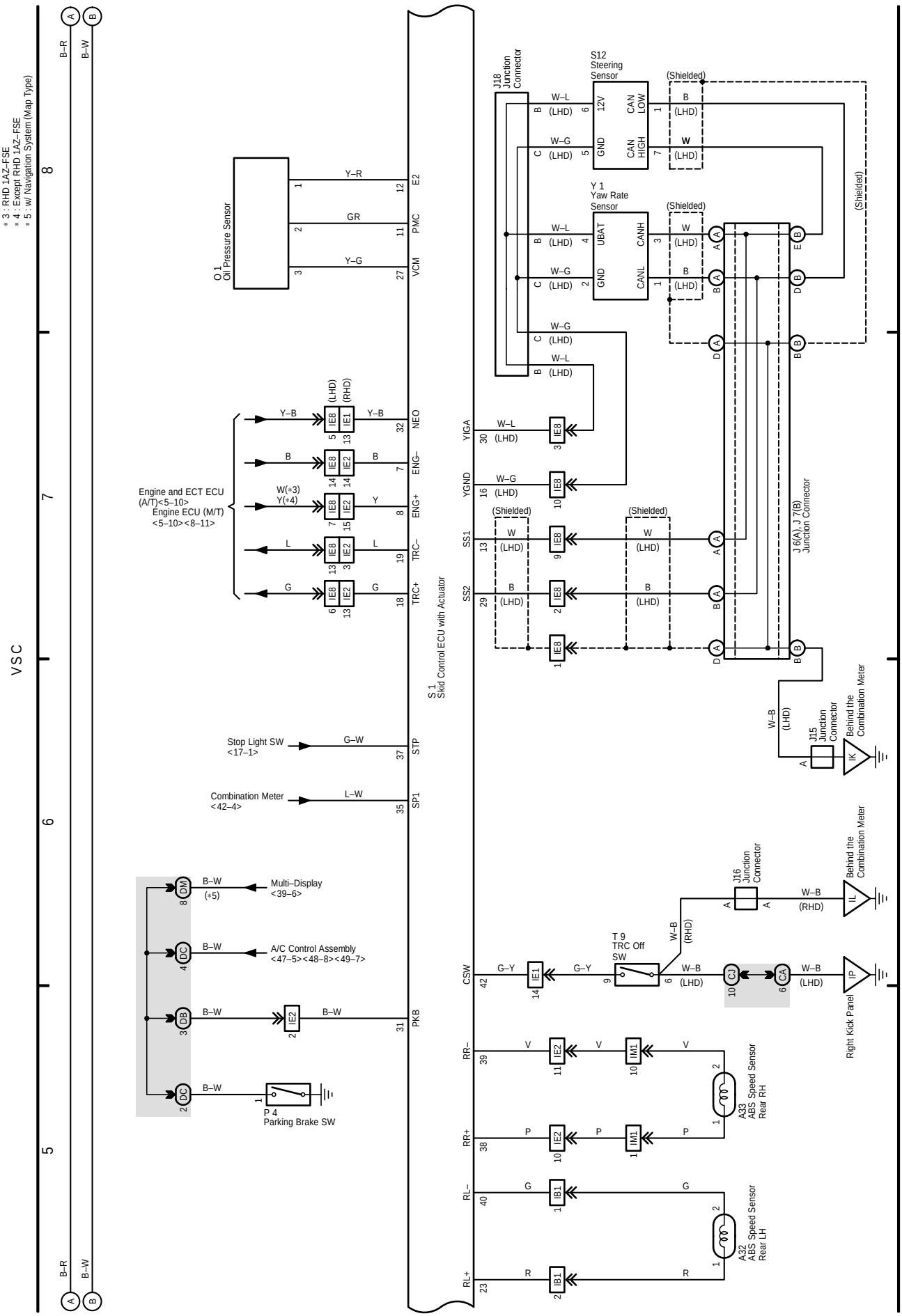

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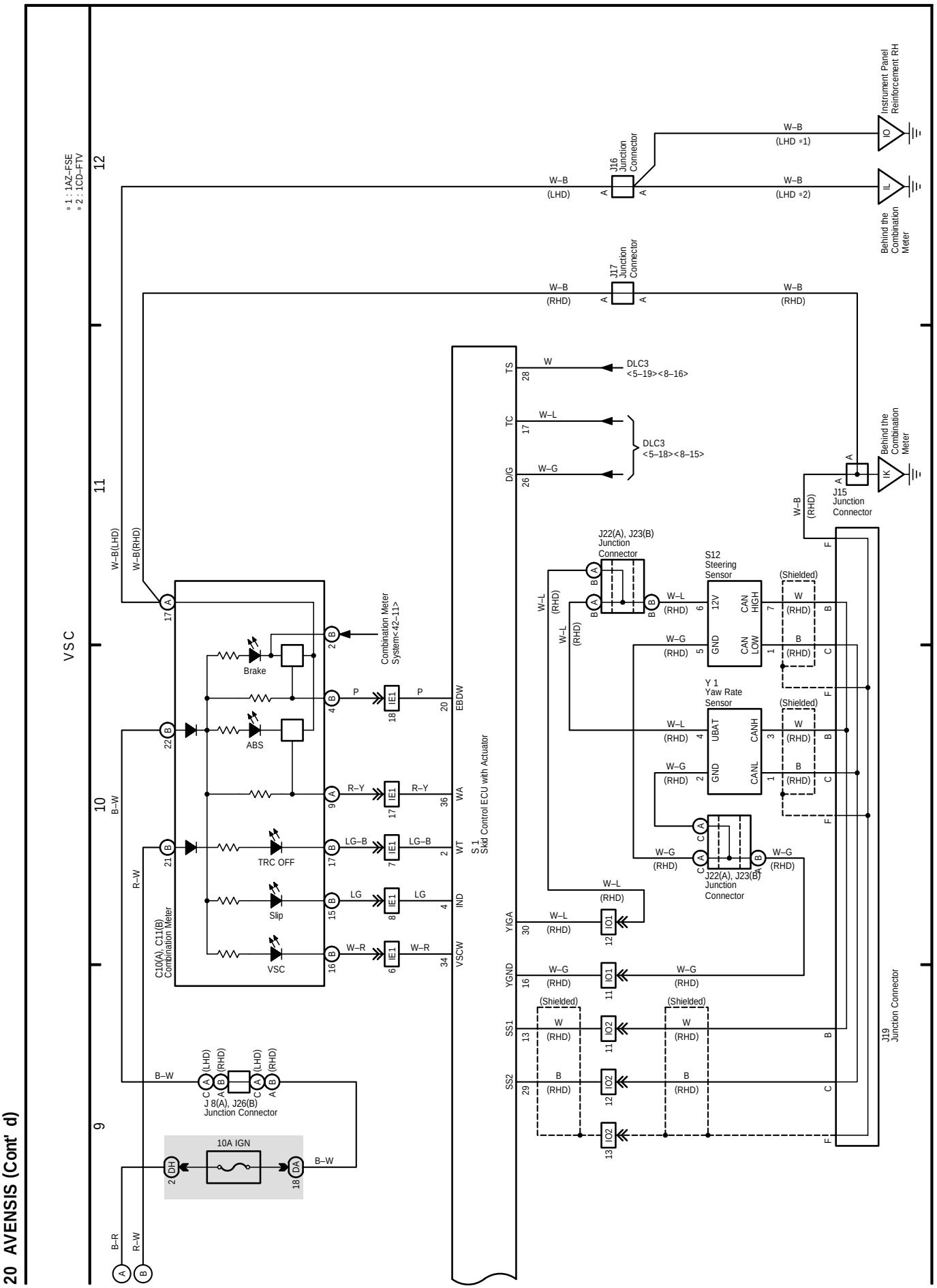
20 AVENSIS (Cont' d)
VSC
*1 : 1AZ–FSE
*2 : 1CD–FTV
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
J19 Junction Connector
J22(A), J23(B) Junction Connector
J 8(A), J26(B) Junction Connector
Instrument Panel Reinforcement RH
Behind the Combination Meter
DLC3 <5–19><8–16>
DLC3 <5–18><8–15>
Combination Meter System<42–11>
C10(A), C11(B) Combination Meter
S 1 Skid Control ECU with Actuator
S12 Steering Sensor
Y 1 Yaw Rate Sensor
Brake
ABS
TRC OFF
Slip
VSC
10A IGN
(Shielded)
W–B (LHD)
W–B (LHD *1)
W–B (LHD *2)
W–B (RHD)
W–B(LHD)
W–B(RHD)
B–W
R–W
B–R
W–L (RHD)
W–G (RHD)
P
R–Y
LG–B
LG
W–R
EBDW
WA
WT
IND
VSCW
YIGA
YGND
SS1
SS2
TS
TC
D/G
12V
GND
CAN HIGH
CAN LOW
UBAT
CANH
CANL

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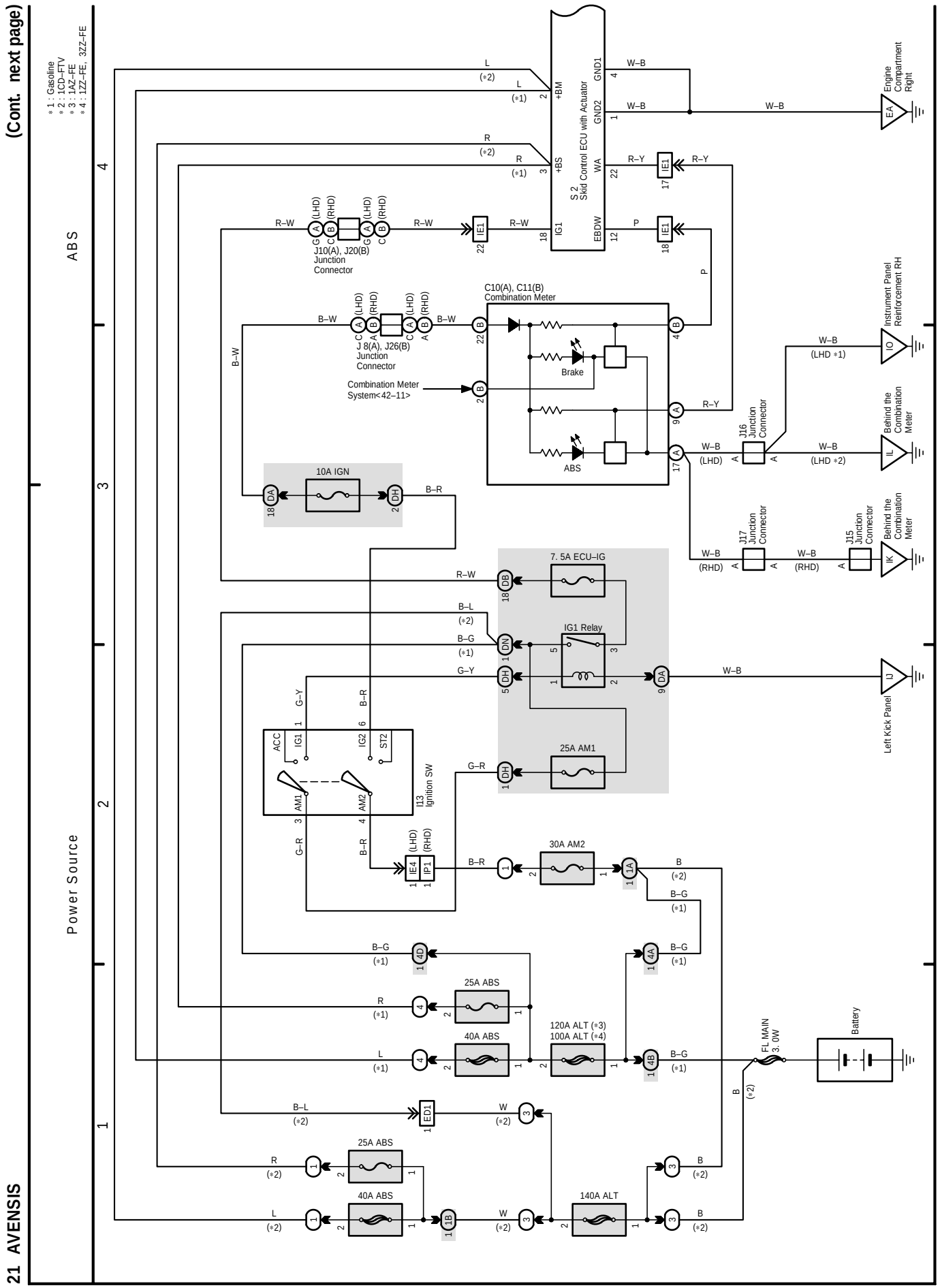
(Cont. next page)
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
ABS
Power Source
21 AVENSIS
S 2 Skid Control ECU with Actuator
+BM
+BS
IG1
GND1
GND2
WA
EBDW
Engine Compartment Right
J10(A), J20(B) Junction Connector
J 8(A), J26(B) Junction Connector
C10(A), C11(B) Combination Meter
Brake
ABS
Combination Meter System<42–11>
Instrument Panel Reinforcement RH
Behind the Combination Meter
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
10A IGN
7. 5A ECU–IG
IG1 Relay
25A AM1
30A AM2
I13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
Left Kick Panel
25A ABS
40A ABS
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

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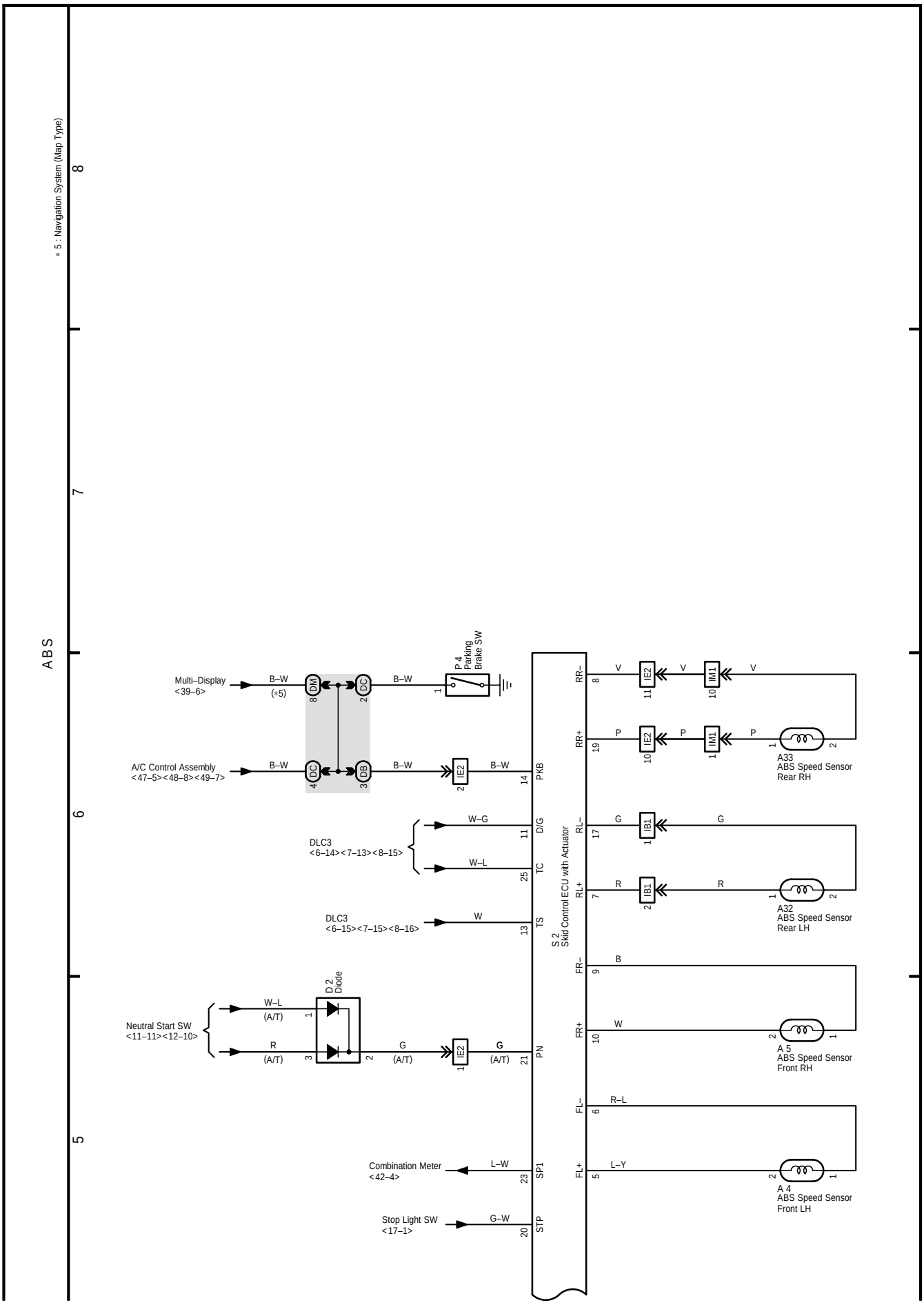
21 AVENSIS (Cont' d)



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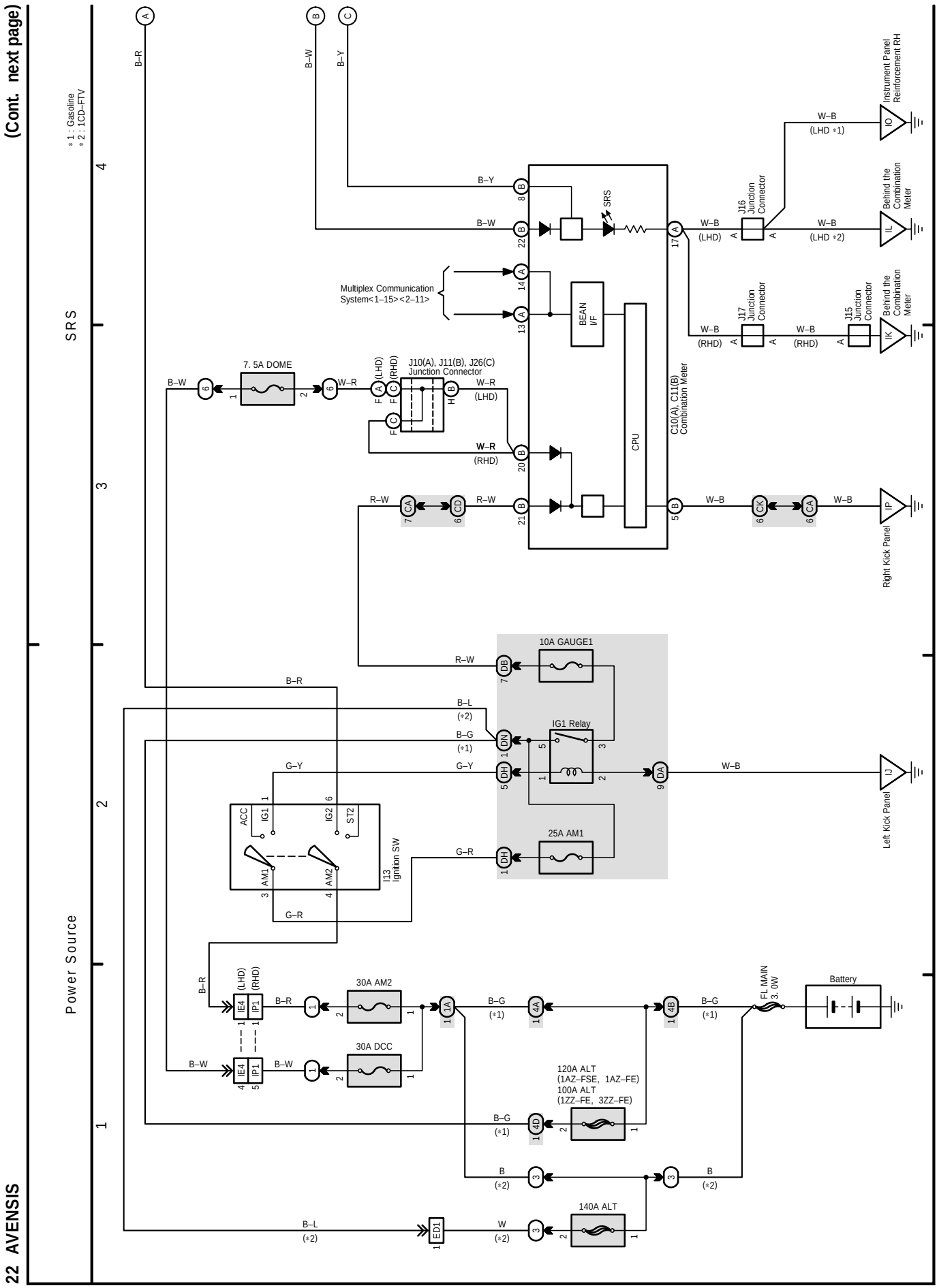
(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
SRS
Power Source
22 AVENSIS
Instrument Panel Reinforcement RH
Behind the Combination Meter
Right Kick Panel
Left Kick Panel
Multiplex Communication System<1–15><2–11>
BEAN I/F
CPU
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
7. 5A DOME
10A GAUGE1
IG1 Relay
25A AM1
30A AM2
30A DCC
I13 Ignition SW
120A ALT (1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN 3. 0W
Battery

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22 AVENSIS (Cont' d)

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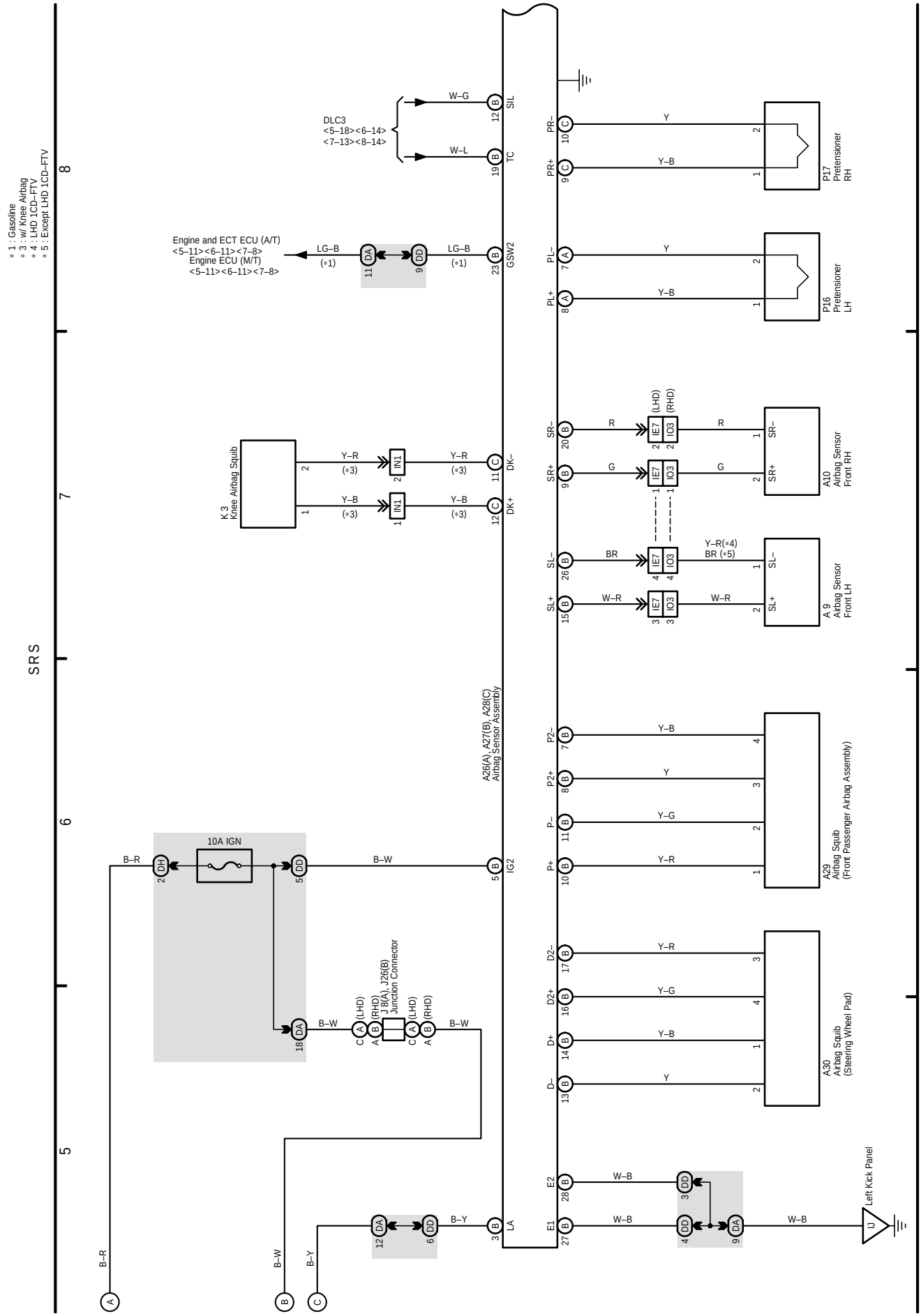

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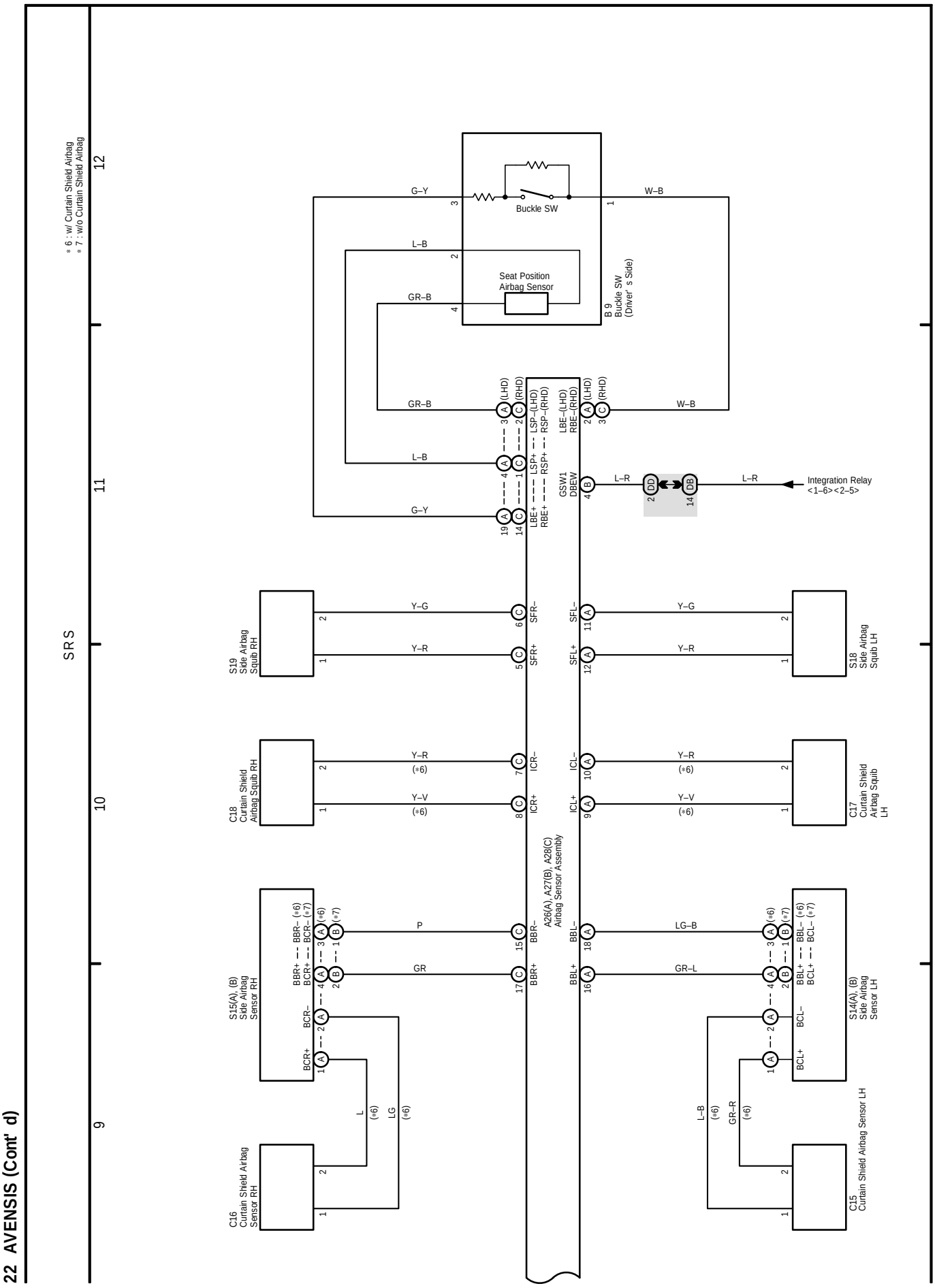
22 AVENSIS (Cont' d)
SRS
12
11
10
9
* 6 : w/ Curtain Shield Airbag
* 7 : w/o Curtain Shield Airbag
Buckle SW
Seat Position Airbag Sensor
B 9 Buckle SW (Driver' s Side)
G–Y
W–B
L–B
GR–B
GSW1
DBEW
L–R
Integration Relay <1–6><2–5>
LBE–(LHD) RBE–(RHD)
LSP–(LHD) RSP–(RHD)
LBE+ RBE+
LSP+ RSP+
(LHD)
(RHD)
S19 Side Airbag Squib RH
S18 Side Airbag Squib LH
C18 Curtain Shield Airbag Squib RH
C17 Curtain Shield Airbag Squib LH
Y–G
Y–R
Y–V
(*6)
SFR–
SFR+
SFL–
SFL+
ICR–
ICR+
ICL–
ICL+
A26(A), A27(B), A28(C) Airbag Sensor Assembly
S15(A), (B) Side Airbag Sensor RH
S14(A), (B) Side Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C15 Curtain Shield Airbag Sensor LH
BBR+
BBR–
BCR+
BCR–
BBL+
BBL–
BCL+
BCL–
(*7)
P
GR
LG–B
GR–L
L
LG
L–B
GR–R

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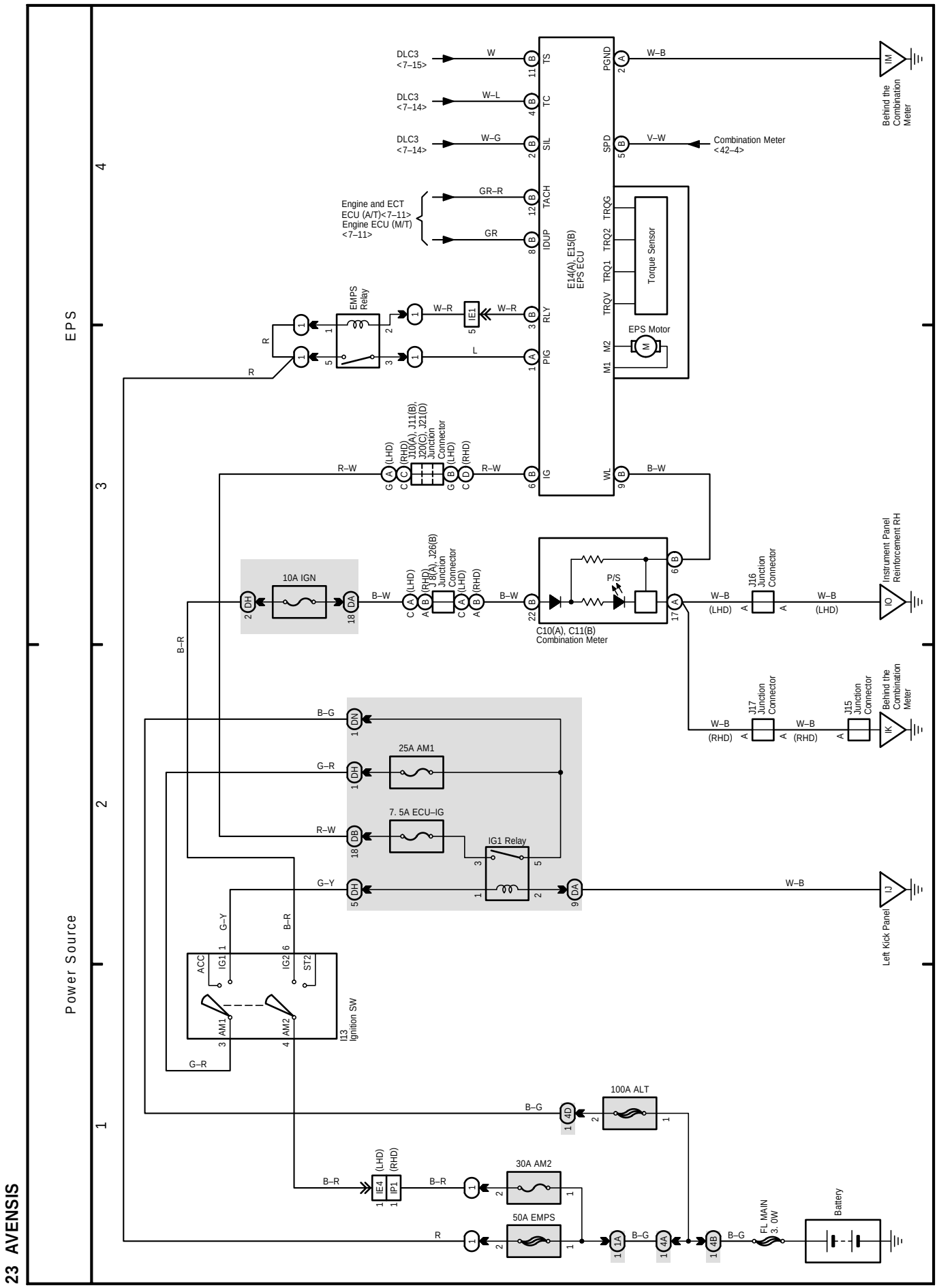
EPS
Power Source
DLC3 <7–15>
DLC3 <7–14>
DLC3 <7–14>
Engine and ECT ECU (A/T)<7–11> Engine ECU (M/T) <7–11>
E14(A), E15(B) EPS ECU
TS
TC
SIL
TACH
IDUP
RLY
PIG
IG
PGND
SPD
TRQG
TRQ2
TRQ1
TRQV
M2
M1
WL
Torque Sensor
EPS Motor
EMPS Relay
IE1
Behind the Combination Meter
Combination Meter <42–4>
J10(A), J11(B), J20(C), J21(D) Junction Connector
J8(A), J26(B) Junction Connector
10A IGN
P/S
C10(A), C11(B) Combination Meter
J16 Junction Connector
Instrument Panel Reinforcement RH
J17 Junction Connector
J15 Junction Connector
25A AM1
7. 5A ECU–IG
IG1 Relay
Left Kick Panel
I13 Ignition SW
100A ALT
30A AM2
50A EMPS
FL MAIN 3. 0W
Battery

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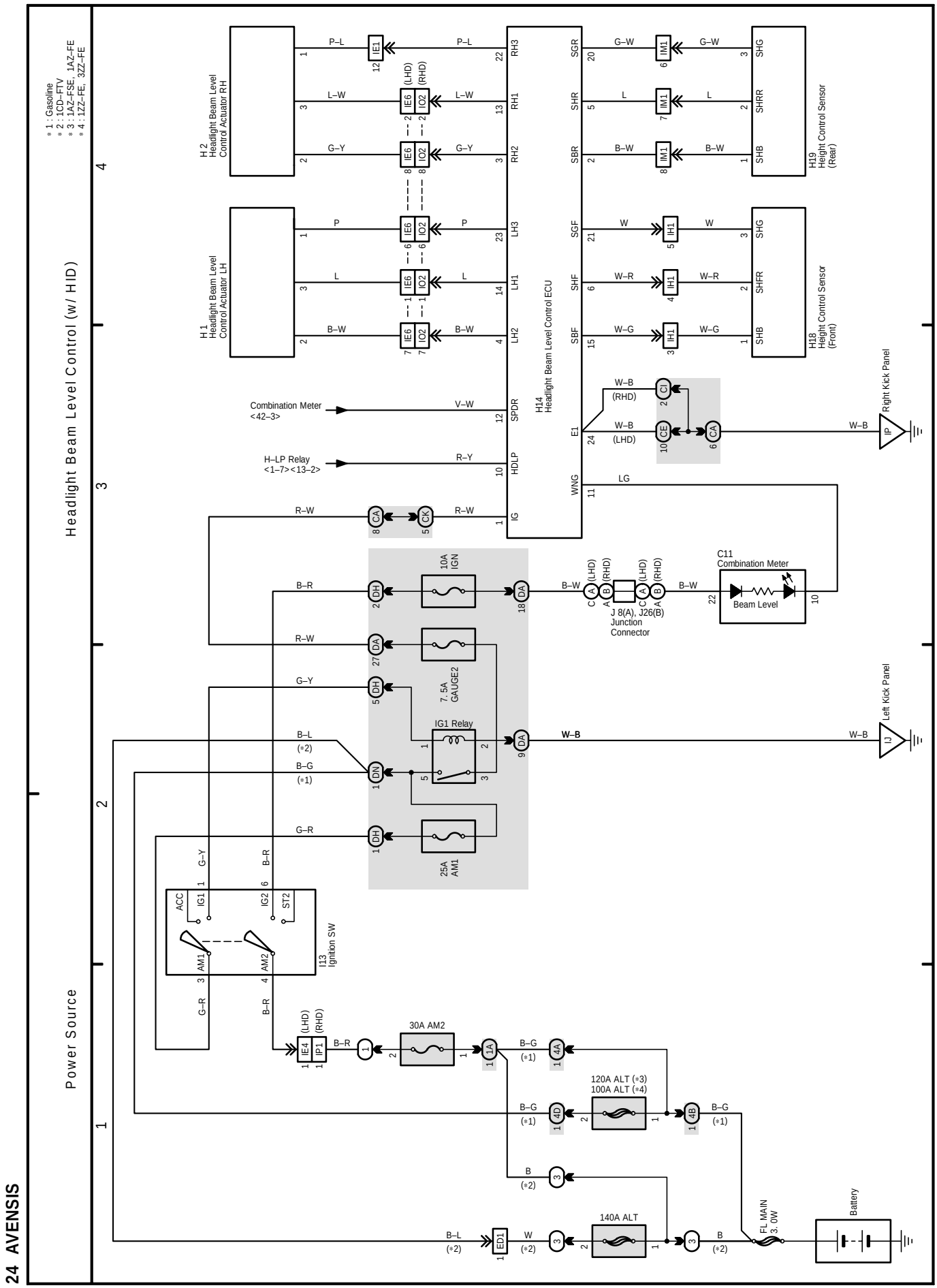
Headlight Beam Level Control (w/ HID)
Power Source
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
H2 Headlight Beam Level Control Actuator RH
H1 Headlight Beam Level Control Actuator LH
H14 Headlight Beam Level Control ECU
H19 Height Control Sensor (Rear)
H18 Height Control Sensor (Front)
Combination Meter <42–3>
H–LP Relay <1–7><13–2>
Right Kick Panel
Left Kick Panel
C11 Combination Meter
Beam Level
J 8(A), J26(B) Junction Connector
10A IGN
7. 5A GAUGE2
IG1 Relay
25A AM1
I13 Ignition SW
30A AM2
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

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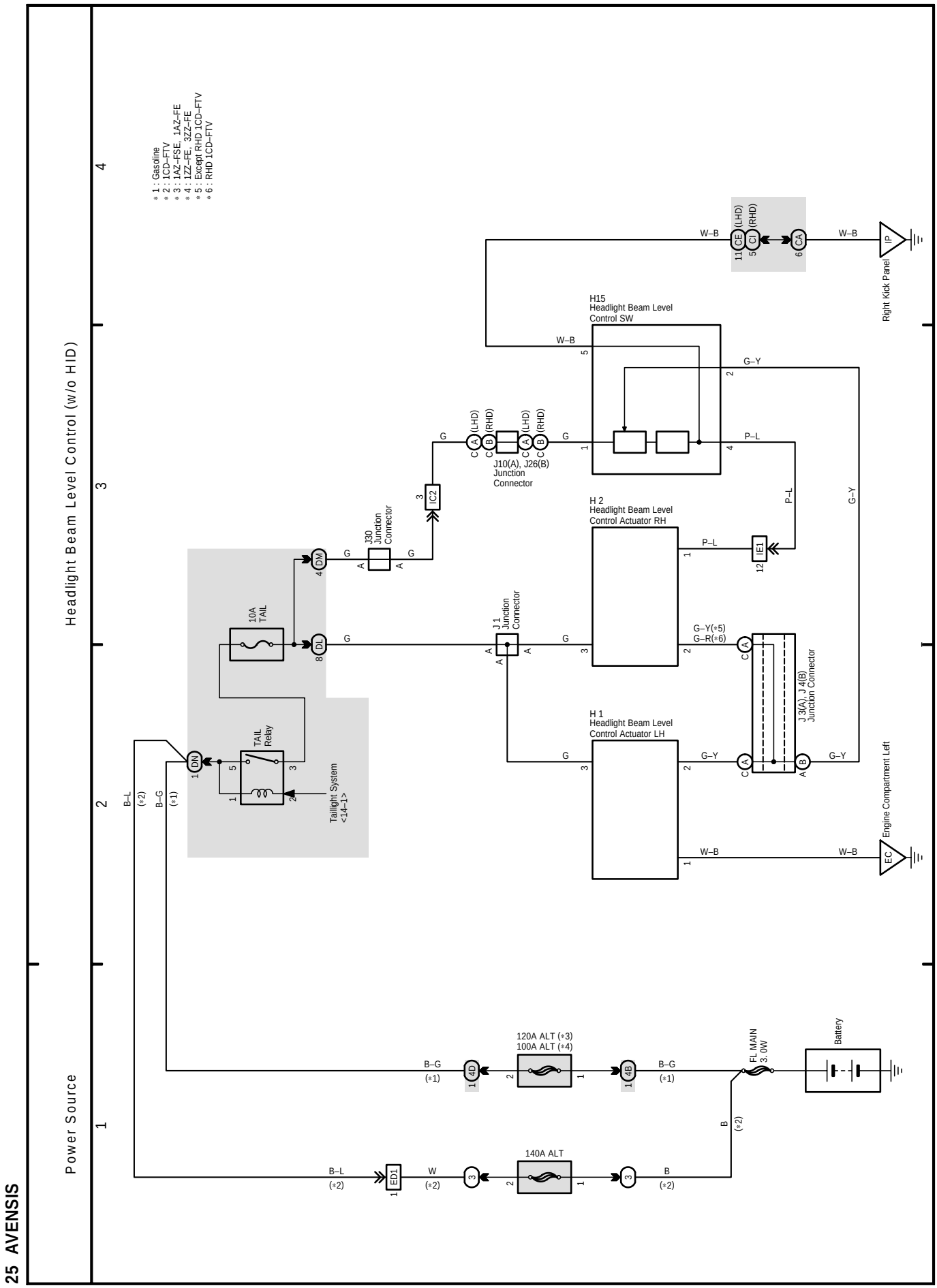
25 AVENSIS
Power Source
Headlight Beam Level Control (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : Except RHD 1CD–FTV
* 6 : RHD 1CD–FTV
Battery
FL MAIN
3. 0W
120A ALT (*3)
100A ALT (*4)
140A ALT
B–G
(*1)
B–L
(*2)
B
W
4D
4B
ED1
3
IC2
DN
DM
DL
IE1
CE (LHD)
CI (RHD)
CA
IP
Right Kick Panel
EC
Engine Compartment Left
W–B
G
G–Y
P–L
G–Y(*5)
G–R(*6)
H15
Headlight Beam Level
Control SW
H 2
Headlight Beam Level
Control Actuator RH
H 1
Headlight Beam Level
Control Actuator LH
J10(A), J26(B)
Junction
Connector
J30
Junction
Connector
J 1
Junction
Connector
J 3(A), J 4(B)
Junction Connector
10A
TAIL
TAIL
Relay
Taillight System
<14–1>

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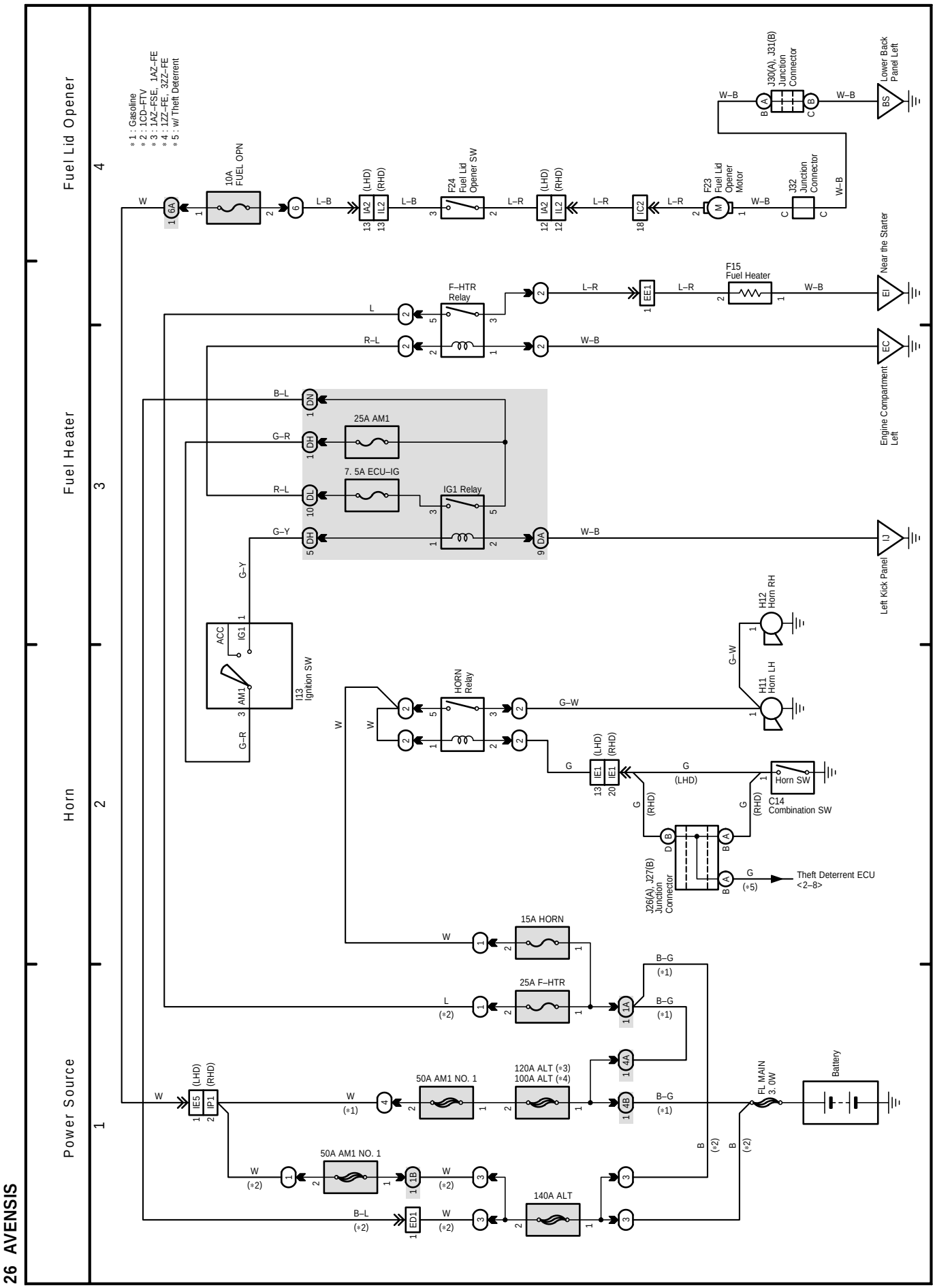
Fuel Lid Opener
Fuel Heater
Horn
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
10A FUEL OPN
F24 Fuel Lid Opener SW
F23 Fuel Lid Opener Motor
J32 Junction Connector
J30(A), J31(B) Junction Connector
Lower Back Panel Left
F15 Fuel Heater
Near the Starter
F–HTR Relay
Engine Compartment Left
25A AM1
7. 5A ECU–IG
IG1 Relay
Left Kick Panel
H12 Horn RH
H11 Horn LH
HORN Relay
I13 Ignition SW
Horn SW
C14 Combination SW
J26(A), J27(B) Junction Connector
Theft Deterrent ECU <2–8>
15A HORN
25A F–HTR
50A AM1 NO. 1
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

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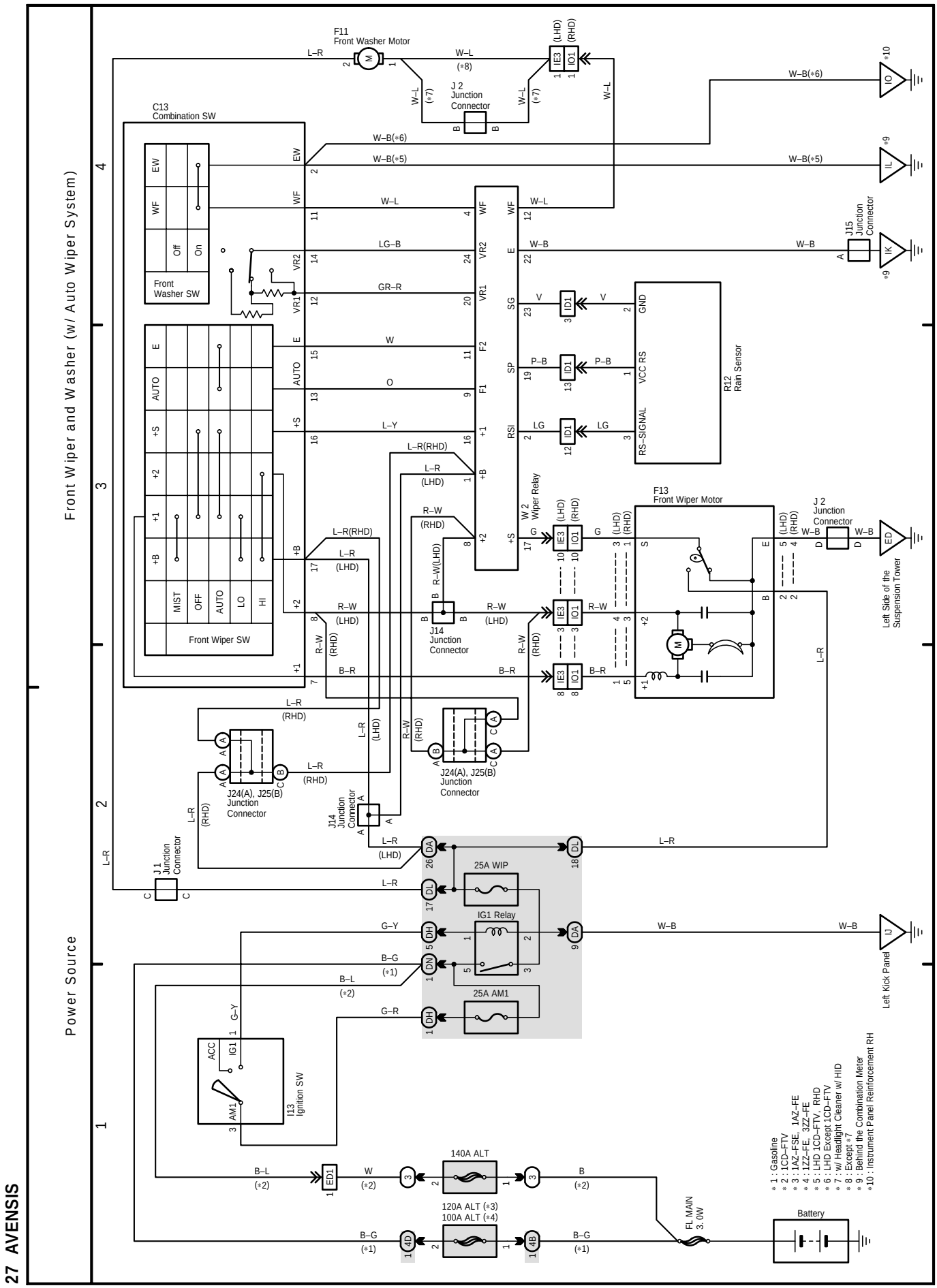
27 AVENSIS
Power Source
Front Wiper and Washer (w/ Auto Wiper System)
F11
Front Washer Motor
C13
Combination SW
Front
Washer SW
Front Wiper SW
MIST
OFF
AUTO
LO
HI
J 2
Junction
Connector
J15
Junction
Connector
R12
Rain Sensor
RS–SIGNAL
VCC RS
GND
W 2
Wiper Relay
F13
Front Wiper Motor
J14
Junction
Connector
J24(A), J25(B)
Junction
Connector
J 1
Junction
Connector
Left Side of the
Suspension Tower
Left Kick Panel
25A WIP
25A AM1
IG1 Relay
I13
Ignition SW
ACC
IG1
AM1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : LHD 1CD–FTV, RHD
* 6 : LHD Except 1CD–FTV
* 7 : w/ Headlight Cleaner w/ HID
* 8 : Except * 7
* 9 : Behind the Combination Meter
*10 : Instrument Panel Reinforcement RH

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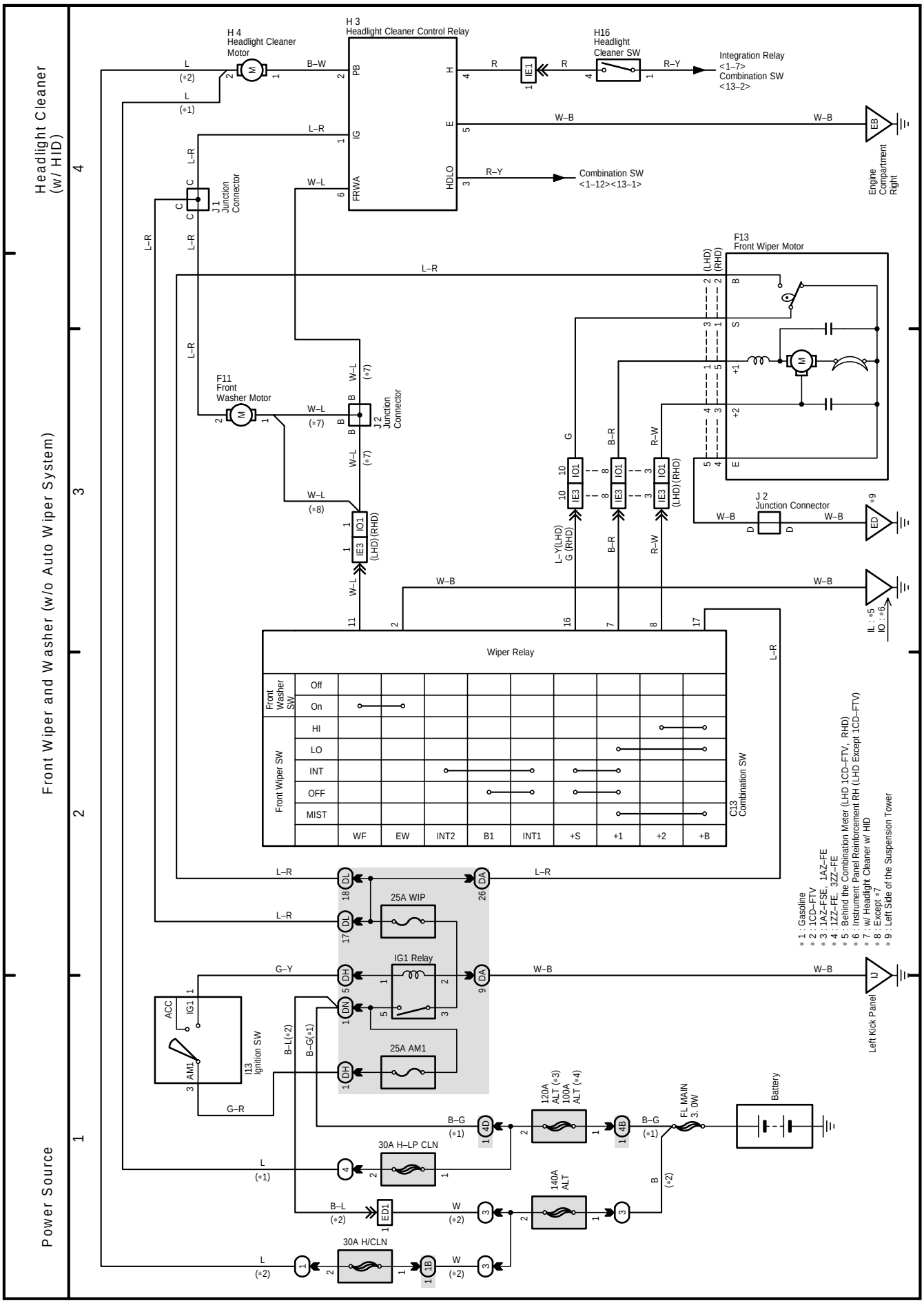
Headlight Cleaner (w/ HID)
Front Wiper and Washer (w/o Auto Wiper System)
Power Source
H 4 Headlight Cleaner Motor
H 3 Headlight Cleaner Control Relay
H16 Headlight Cleaner SW
Integration Relay <1–7> Combination SW <13–2>
Combination SW <1–12><13–1>
J 1 Junction Connector
F11 Front Washer Motor
J 2 Junction Connector
F13 Front Wiper Motor
Wiper Relay
Front Washer SW
Front Wiper SW
C13 Combination SW
I13 Ignition SW
IG1 Relay
25A WIP
25A AM1
30A H–LP CLN
30A H/CLN
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
Engine Compartment Right
Left Kick Panel
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : Behind the Combination Meter (LHD 1CD–FTV, RHD)
* 6 : Instrument Panel Reinforcement RH (LHD Except 1CD–FTV)
* 7 : w/ Headlight Cleaner w/ HID
* 8 : Except *7
* 9 : Left Side of the Suspension Tower

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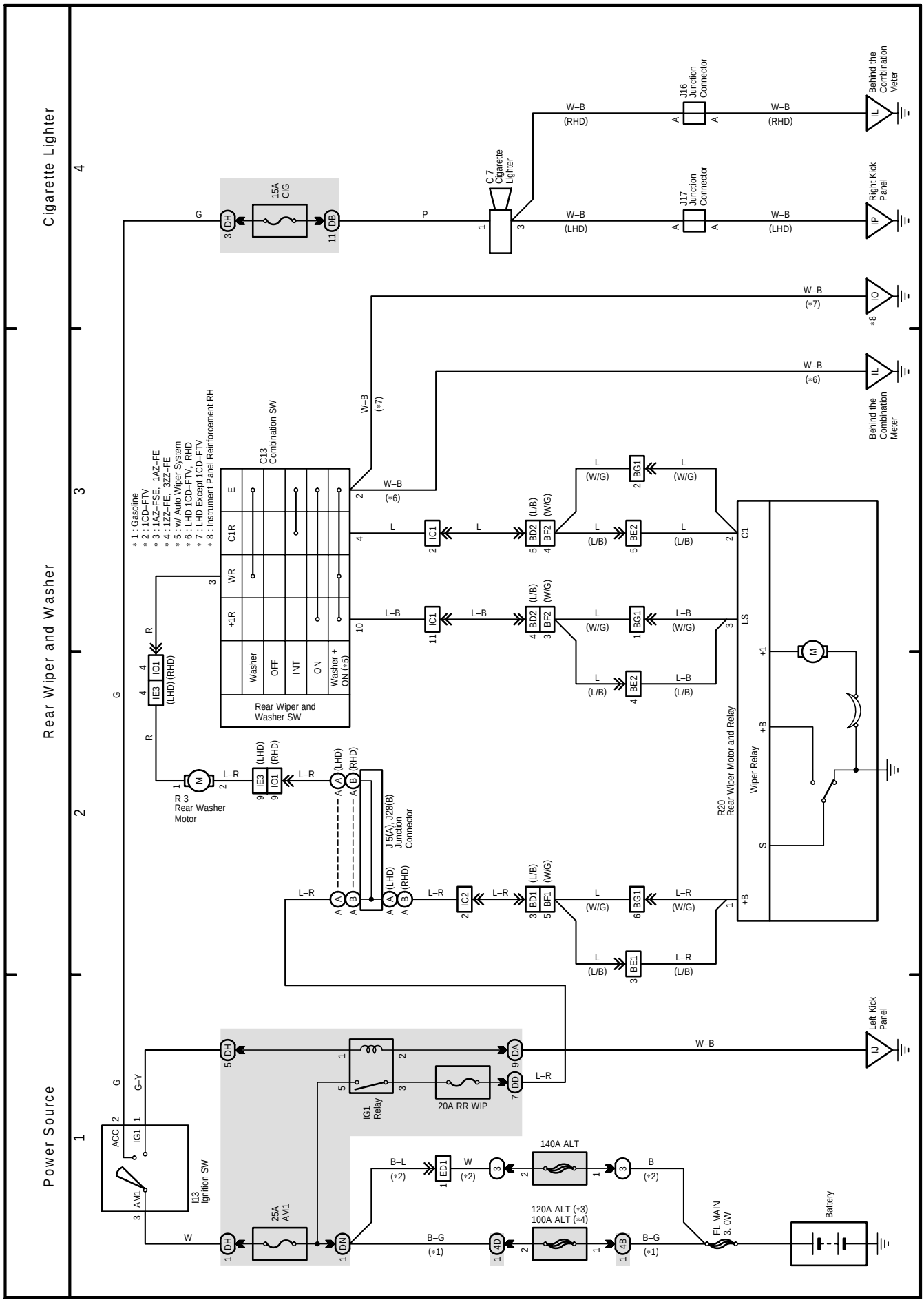
Power Source
Rear Wiper and Washer
Cigarette Lighter
1
2
3
4
29 AVENSIS
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Auto Wiper System
* 6 : LHD 1CD–FTV, RHD
* 7 : LHD Except 1CD–FTV
* 8 : Instrument Panel Reinforcement RH
C13 Combination SW
Rear Wiper and Washer SW
Washer
OFF
INT
ON
Washer + ON (*5)
E
C1R
WR
+1R
R 3 Rear Washer Motor
I13 Ignition SW
ACC
IG1
AM1
IG1 Relay
20A RR WIP
25A AM1
15A CIG
C 7 Cigarette Lighter
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
R20 Rear Wiper Motor and Relay
Wiper Relay
J5(A), J28(B) Junction Connector
J16 Junction Connector
J17 Junction Connector
Behind the Combination Meter
Right Kick Panel
Left Kick Panel
W–B (RHD)
W–B (LHD)
W–B (*6)
W–B (*7)
W–B (*8)
L–R
L–B
B–L
B–G
G–Y
(*1)
(*2)

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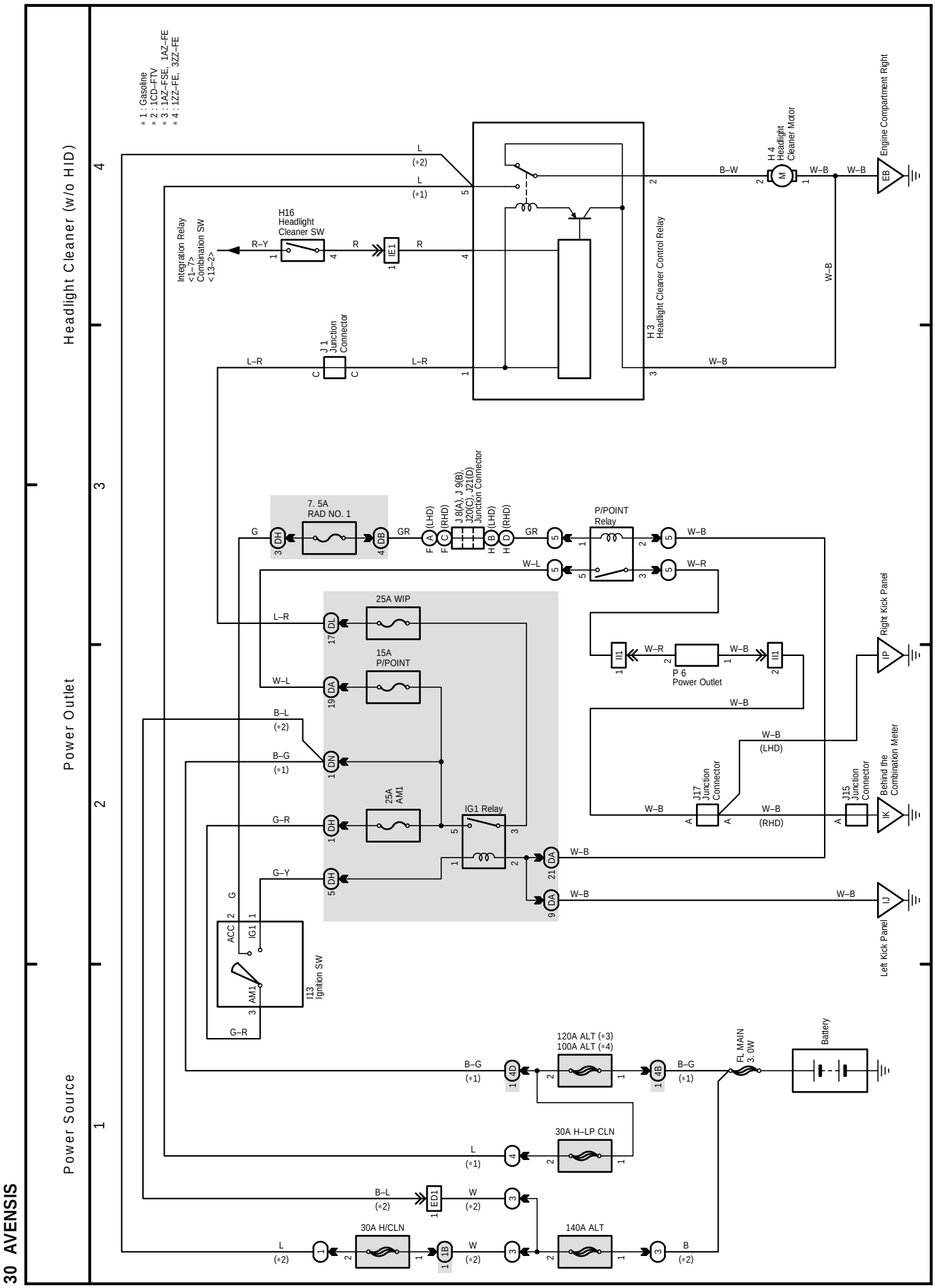
Headlight Cleaner (w/o HID)
Power Outlet
Power Source
1
2
3
4
30 AVENSIS
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
H16 Headlight Cleaner SW
Integration Relay <1–7> Combination SW <13–2>
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
Engine Compartment Right
J 1 Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
7. 5A RAD NO. 1
P/POINT Relay
25A WIP
15A P/POINT
25A AM1
IG1 Relay
I13 Ignition SW
P 6 Power Outlet
Right Kick Panel
Left Kick Panel
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
120A ALT (*3) 100A ALT (*4)
140A ALT
30A H/CLN
30A H–LP CLN
FL MAIN 3. 0W
Battery

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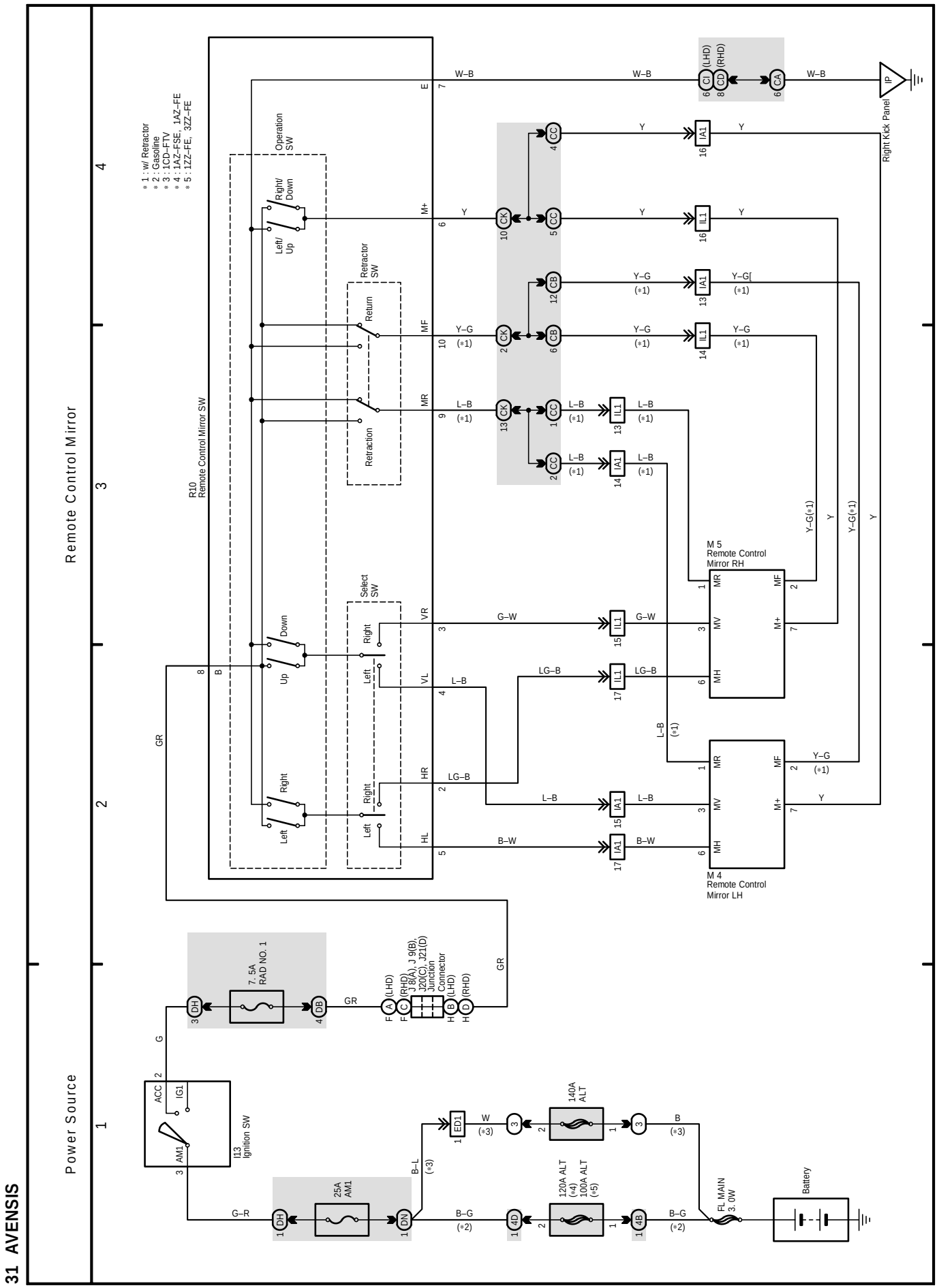
31 AVENSIS
Power Source
Remote Control Mirror
1
2
3
4
* 1 : w/ Retractor
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : 1AZ–FSE, 1AZ–FE
* 5 : 1ZZ–FE, 3ZZ–FE
R10
Remote Control Mirror SW
Operation SW
Right/ Down
Left/ Up
Retractor SW
Return
Retraction
Select SW
Down
Up
Right
Left
M 5
Remote Control Mirror RH
M 4
Remote Control Mirror LH
MR
MF
MV
M+
MH
I13
Ignition SW
ACC
IG1
AM1
7. 5A
RAD NO. 1
25A
AM1
140A
ALT
120A ALT
(*4)
100A ALT
(*5)
FL MAIN
3. 0W
Battery
Right Kick Panel
IP
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
(LHD)
(RHD)
W–B
Y
Y–G
L–B
G–W
LG–B
B–W
B–L
B–G
G–R
GR
W
B
(*1)
(*2)
(*3)

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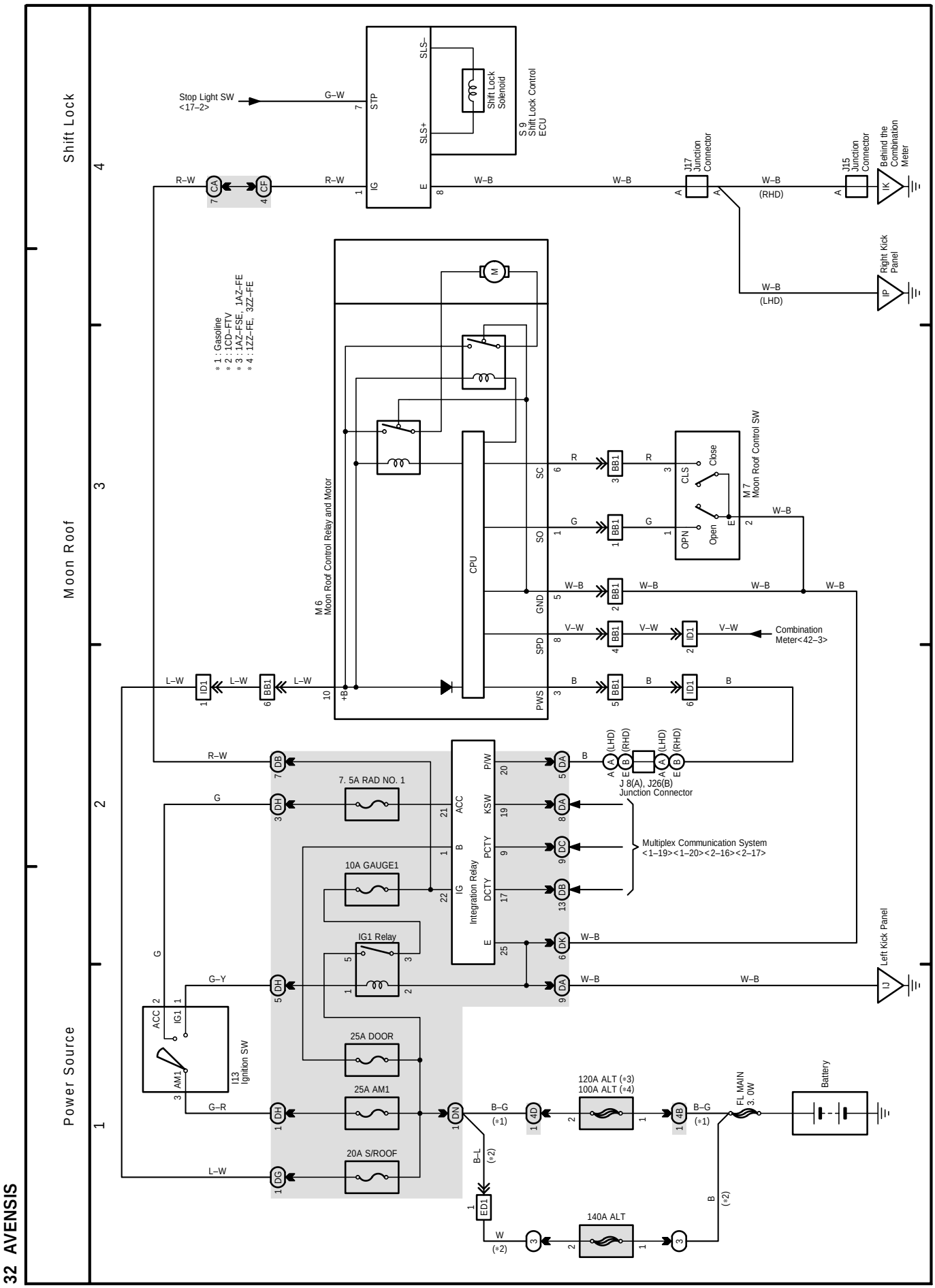
Shift Lock
Moon Roof
Power Source
Stop Light SW
<17–2>
G–W
STP
SLS–
SLS+
Shift Lock Solenoid
S 9
Shift Lock Control ECU
R–W
IG
E
W–B
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
(RHD)
(LHD)
Right Kick Panel
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
M 6
Moon Roof Control Relay and Motor
CPU
SC
SO
GND
SPD
PWS
M 7
Moon Roof Control SW
CLS
Close
OPN
Open
Combination Meter<42–3>
L–W
+B
B
V–W
Left Kick Panel
J 8(A), J26(B)
Junction Connector
Multiplex Communication System
<1–19><1–20><2–16><2–17>
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A DOOR
25A AM1
20A S/ROOF
Integration Relay
ACC
KSW
PCTY
DCTY
P/W
I13
Ignition SW
IG1
AM1
G–Y
G–R
B–G
B–L
(*1)
(*2)
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery

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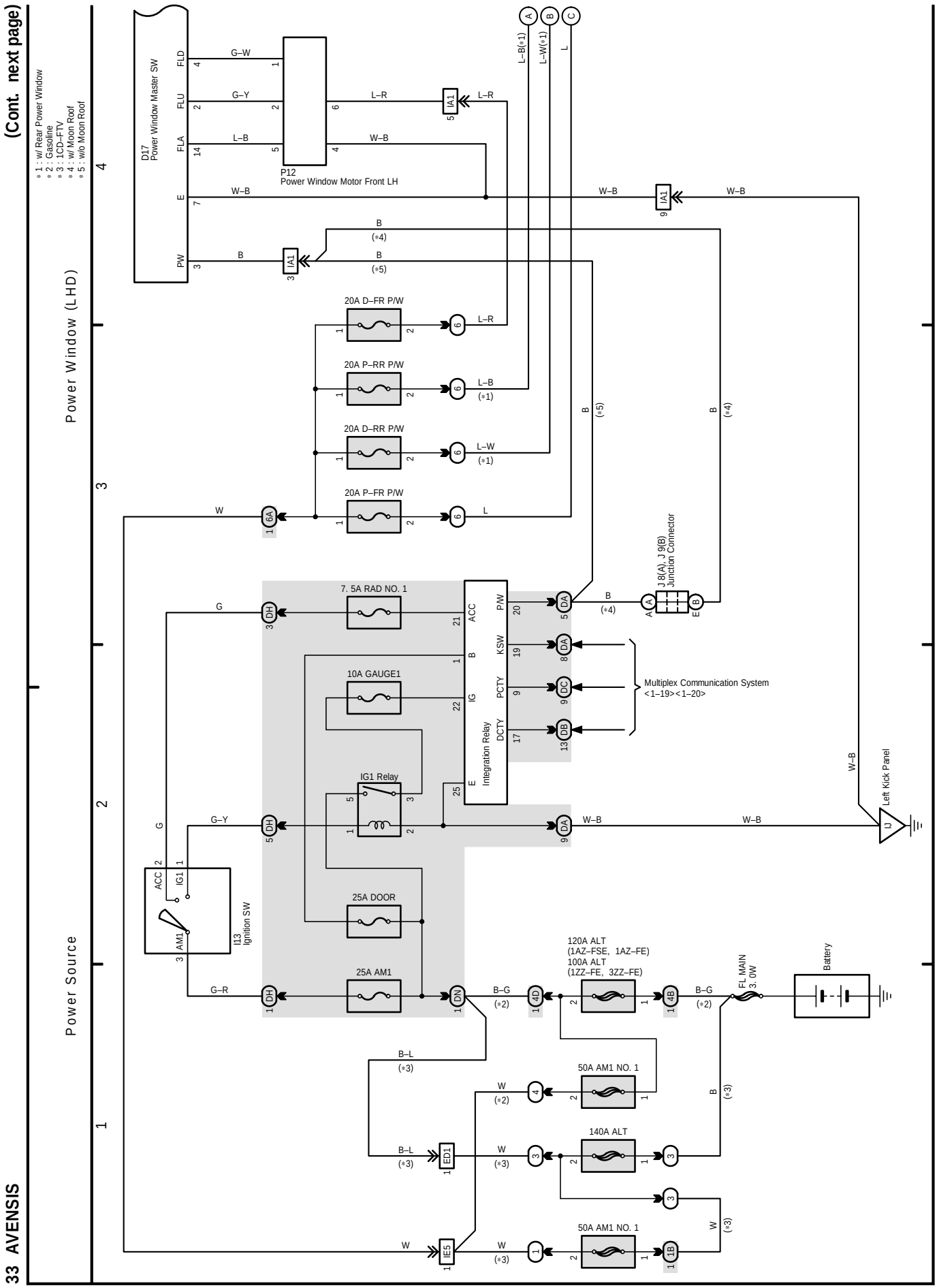
(Cont. next page)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
Power Window (LHD)
Power Source
33 AVENSIS
D17
Power Window Master SW
P12
Power Window Motor Front LH
20A D–FR P/W
20A P–RR P/W
20A D–RR P/W
20A P–FR P/W
7. 5A RAD NO. 1
10A GAUGE1
25A DOOR
25A AM1
IG1 Relay
Integration Relay
I13
Ignition SW
J8(A), J9(B)
Junction Connector
Multiplex Communication System
<1–19><1–20>
Left Kick Panel
120A ALT
(1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery
50A AM1 NO. 1
140A ALT
50A AM1 NO. 1

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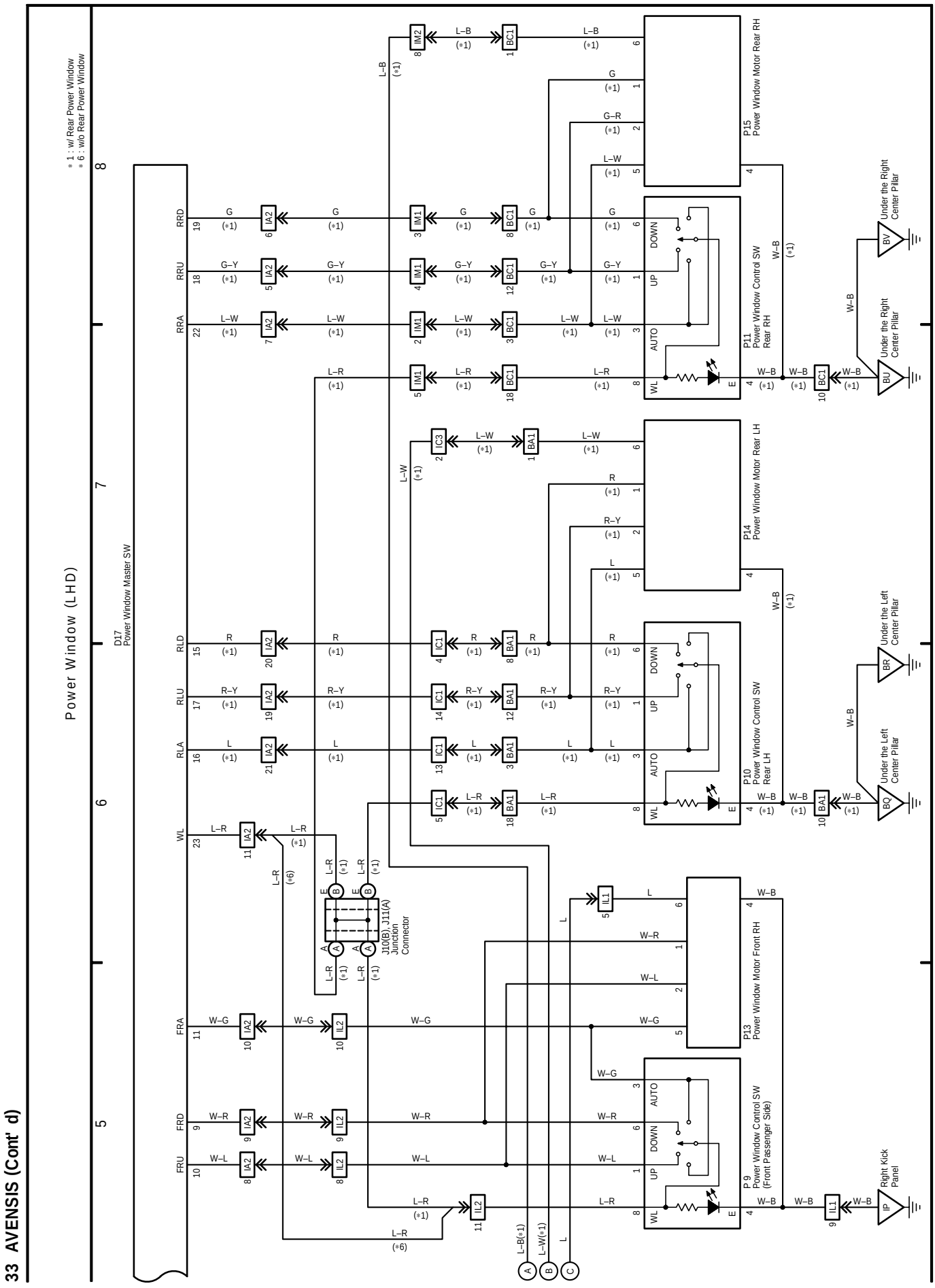
33 AVENSIS (Cont' d)
Power Window (LHD)
* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window
D17
Power Window Master SW
P15
Power Window Motor Rear RH
P14
Power Window Motor Rear LH
P13
Power Window Motor Front RH
P11
Power Window Control SW
Rear RH
P10
Power Window Control SW
Rear LH
P 9
Power Window Control SW
(Front Passenger Side)
J10(B), J11(A)
Junction
Connector
Under the Right
Center Pillar
Under the Left
Center Pillar
Right Kick
Panel
RRD
RRU
RRA
RLD
RLU
RLA
WL
FRA
FRD
FRU
DOWN
UP
AUTO
WL
E

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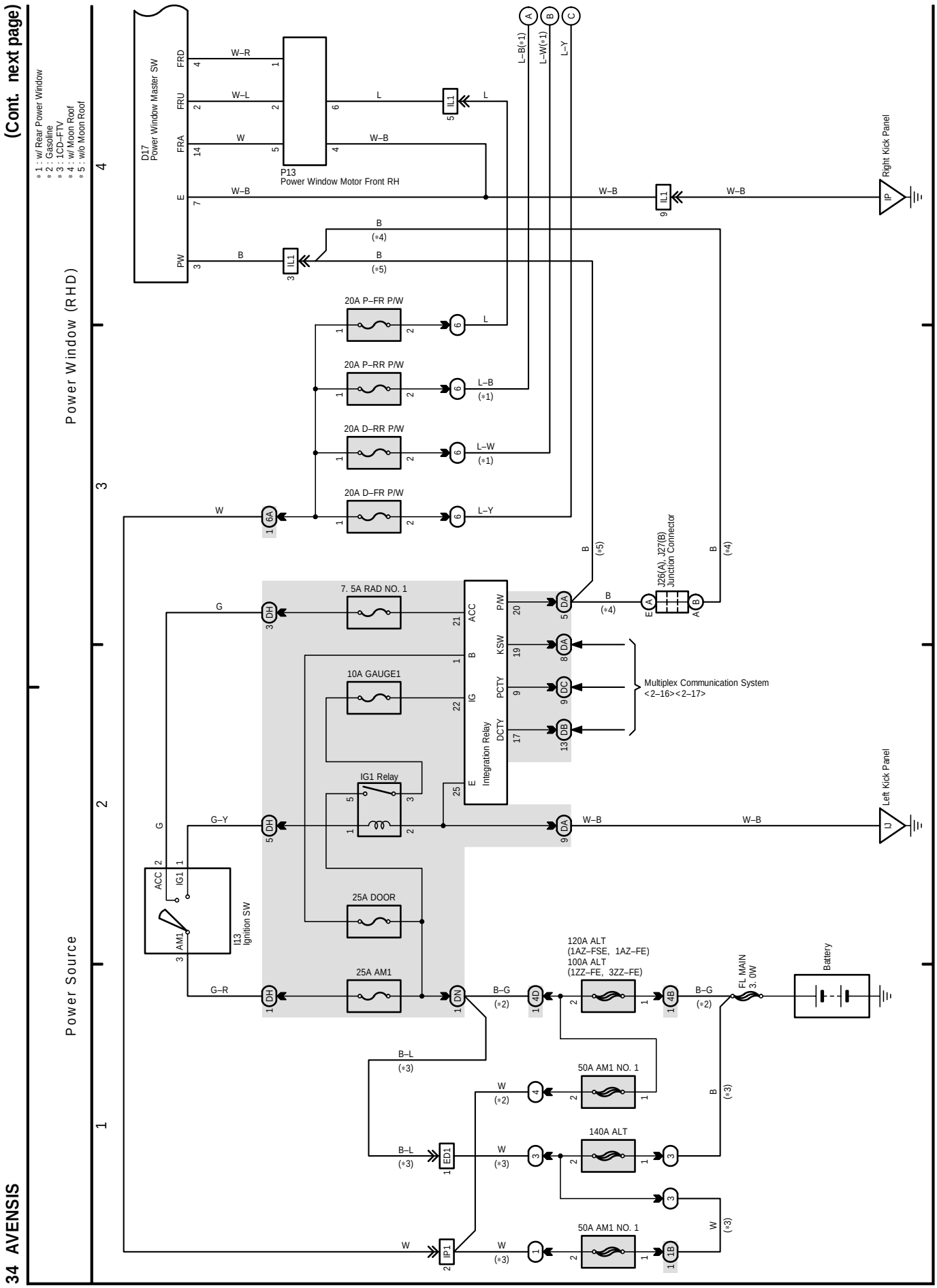
(Cont. next page)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
Power Window (RHD)
Power Source
34 AVENSIS
D17
Power Window Master SW
P13
Power Window Motor Front RH
Right Kick Panel
Left Kick Panel
20A P–FR P/W
20A P–RR P/W
20A D–RR P/W
20A D–FR P/W
7. 5A RAD NO. 1
10A GAUGE1
25A DOOR
25A AM1
IG1 Relay
Integration Relay
I13
Ignition SW
J26(A), J27(B)
Junction Connector
Multiplex Communication System
<2–16><2–17>
120A ALT
(1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
140A ALT
50A AM1 NO. 1
50A AM1 NO. 1
FL MAIN
3. 0W
Battery

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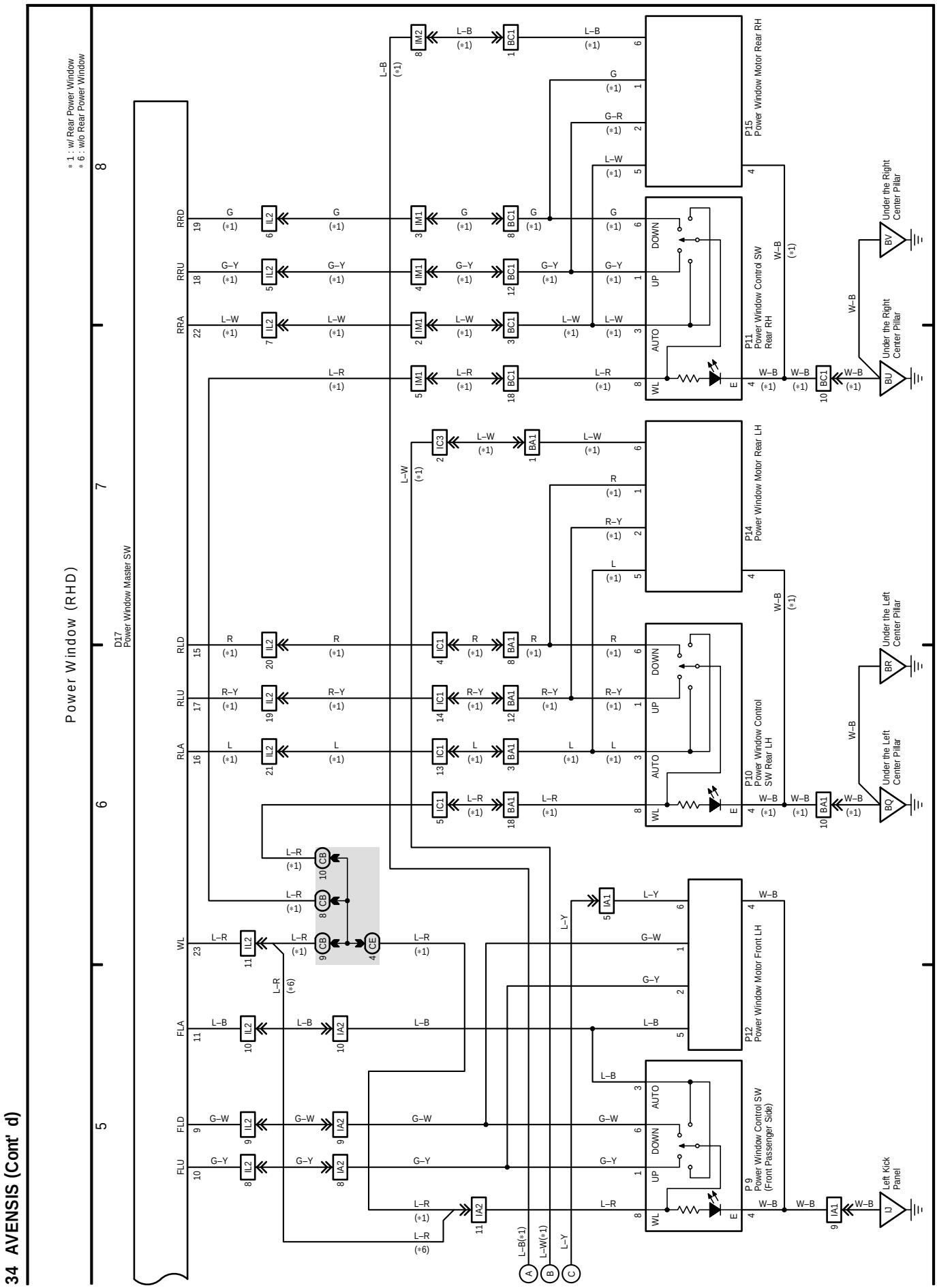
34 AVENSIS (Cont' d)
Power Window (RHD)
D17
Power Window Master SW
* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window
P15
Power Window Motor Rear RH
P14
Power Window Motor Rear LH
P12
Power Window Motor Front LH
P11
Power Window Control SW
Rear RH
P10
Power Window Control
SW Rear LH
P 9
Power Window Control SW
(Front Passenger Side)
Under the Right
Center Pillar
Under the Left
Center Pillar
Left Kick
Panel
DOWN
UP
AUTO
WL
E

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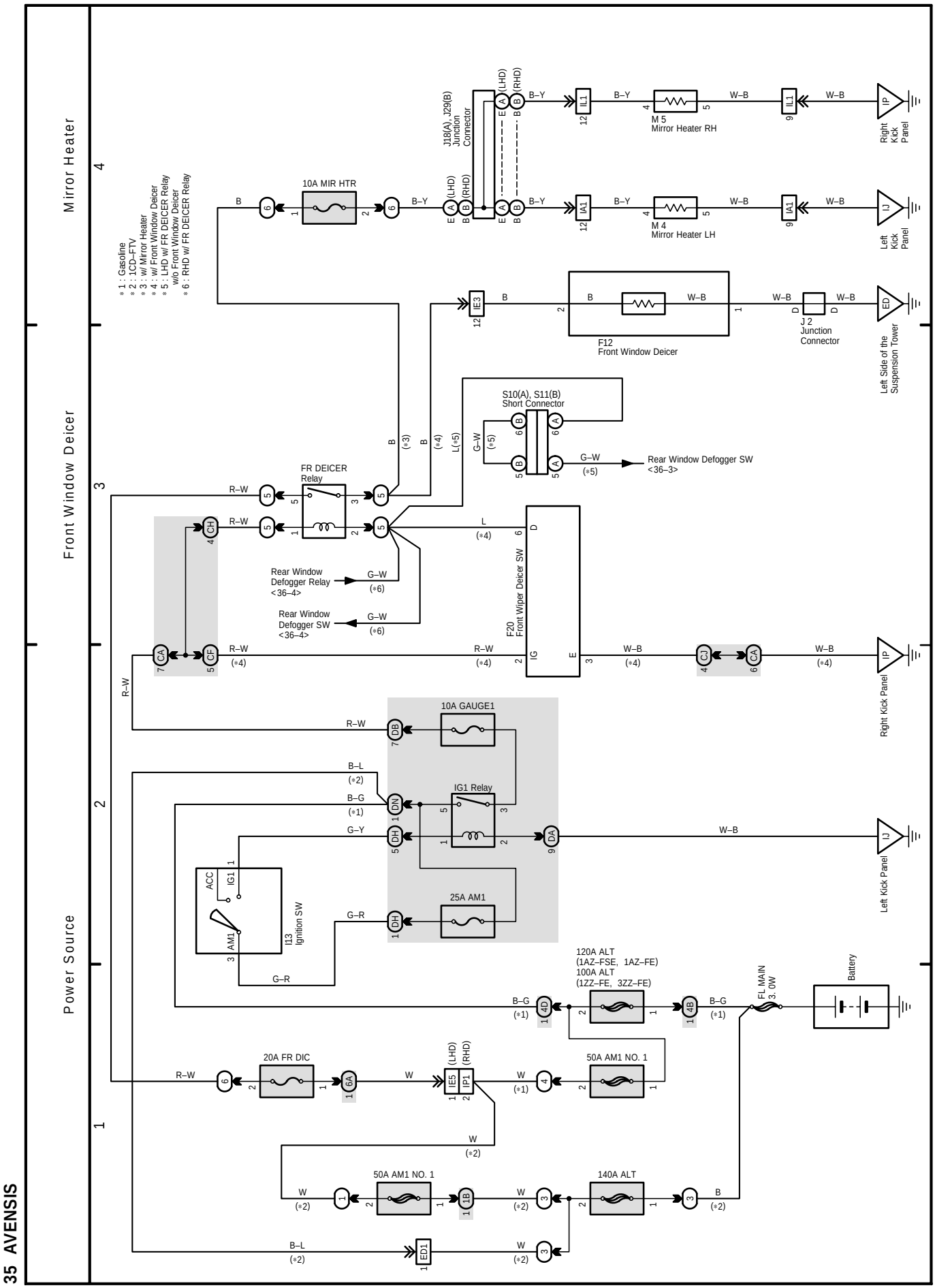
Mirror Heater
Front Window Deicer
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Mirror Heater
* 4 : w/ Front Window Deicer
* 5 : LHD w/ FR DEICER Relay w/o Front Window Deicer
* 6 : RHD w/ FR DEICER Relay
10A MIR HTR
J18(A), J29(B) Junction Connector
M 5 Mirror Heater RH
M 4 Mirror Heater LH
Right Kick Panel
Left Kick Panel
F12 Front Window Deicer
J 2 Junction Connector
Left Side of the Suspension Tower
S10(A), S11(B) Short Connector
Rear Window Defogger SW <36–3>
FR DEICER Relay
Rear Window Defogger Relay <36–4>
Rear Window Defogger SW <36–4>
F20 Front Wiper Deicer SW
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
20A FR DIC
50A AM1 NO. 1
50A AM1 NO. 1
140A ALT

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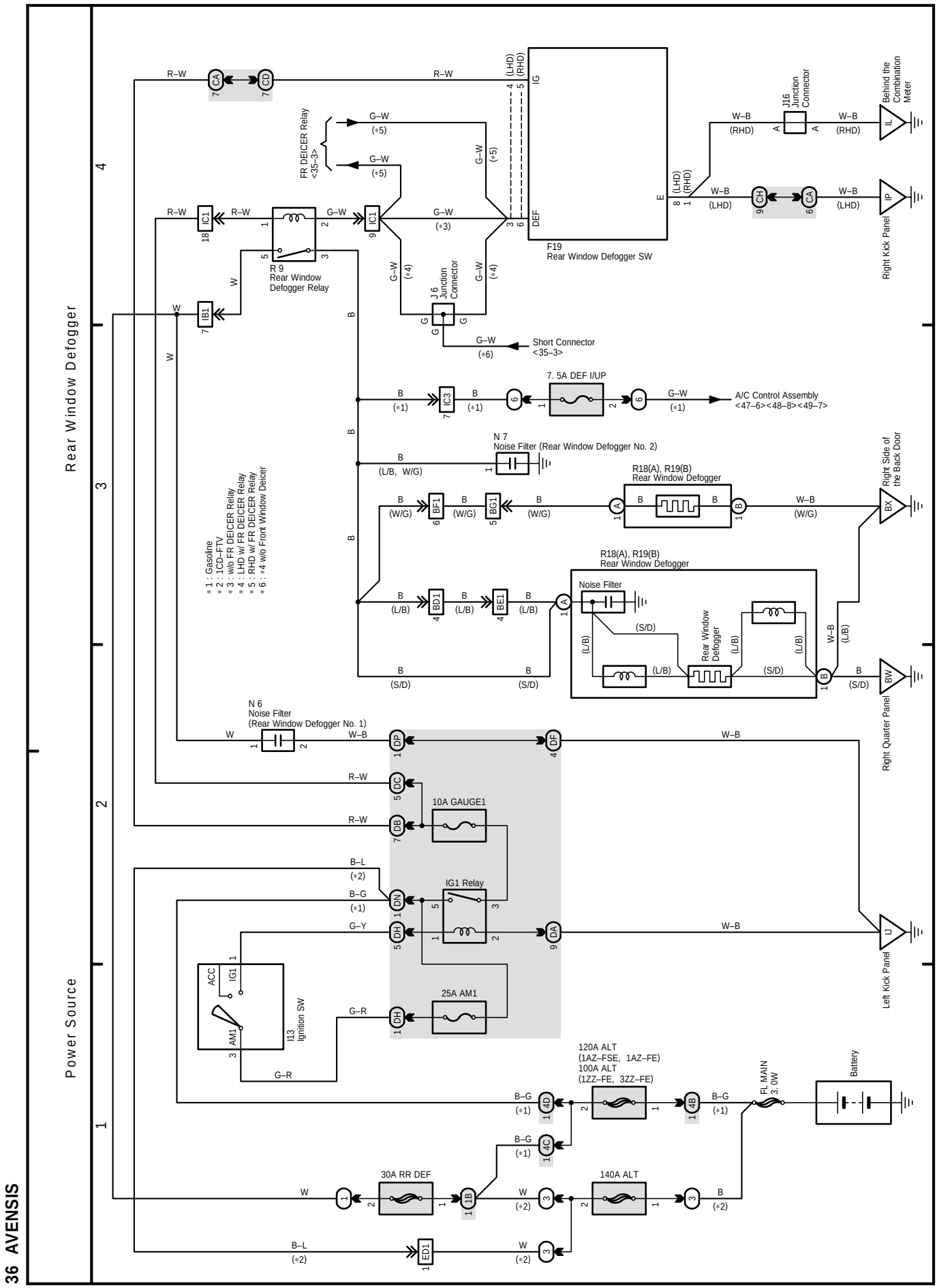
Rear Window Defogger
Power Source
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/o FR DEICER Relay
* 4 : LHD w/ FR DEICER Relay
* 5 : RHD w/ FR DEICER Relay
* 6 : *4 w/o Front Window Deicer
R–W
G–W
W
B
B–L
B–G
G–Y
G–R
W–B
B–G
B–L
(*1)
(*2)
(*3)
(*4)
(*5)
(*6)
(L/B, W/G)
(W/G)
(L/B)
(S/D)
(RHD)
(LHD)
FR DEICER Relay
<35–3>
R 9
Rear Window
Defogger Relay
J 6
Junction
Connector
Short Connector
<35–3>
F19
Rear Window Defogger SW
J16
Junction
Connector
Behind the
Combination
Meter
Right Kick Panel
7. 5A DEF I/UP
A/C Control Assembly
<47–6><48–8><49–7>
N 7
Noise Filter (Rear Window Defogger No. 2)
R18(A), R19(B)
Rear Window Defogger
Right Side of
the Back Door
Noise Filter
Rear Window
Defogger
Right Quarter Panel
N 6
Noise Filter
(Rear Window Defogger No. 1)
10A GAUGE1
IG1 Relay
25A AM1
I13
Ignition SW
ACC
IG1
AM1
Left Kick Panel
120A ALT
(1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery
30A RR DEF
140A ALT

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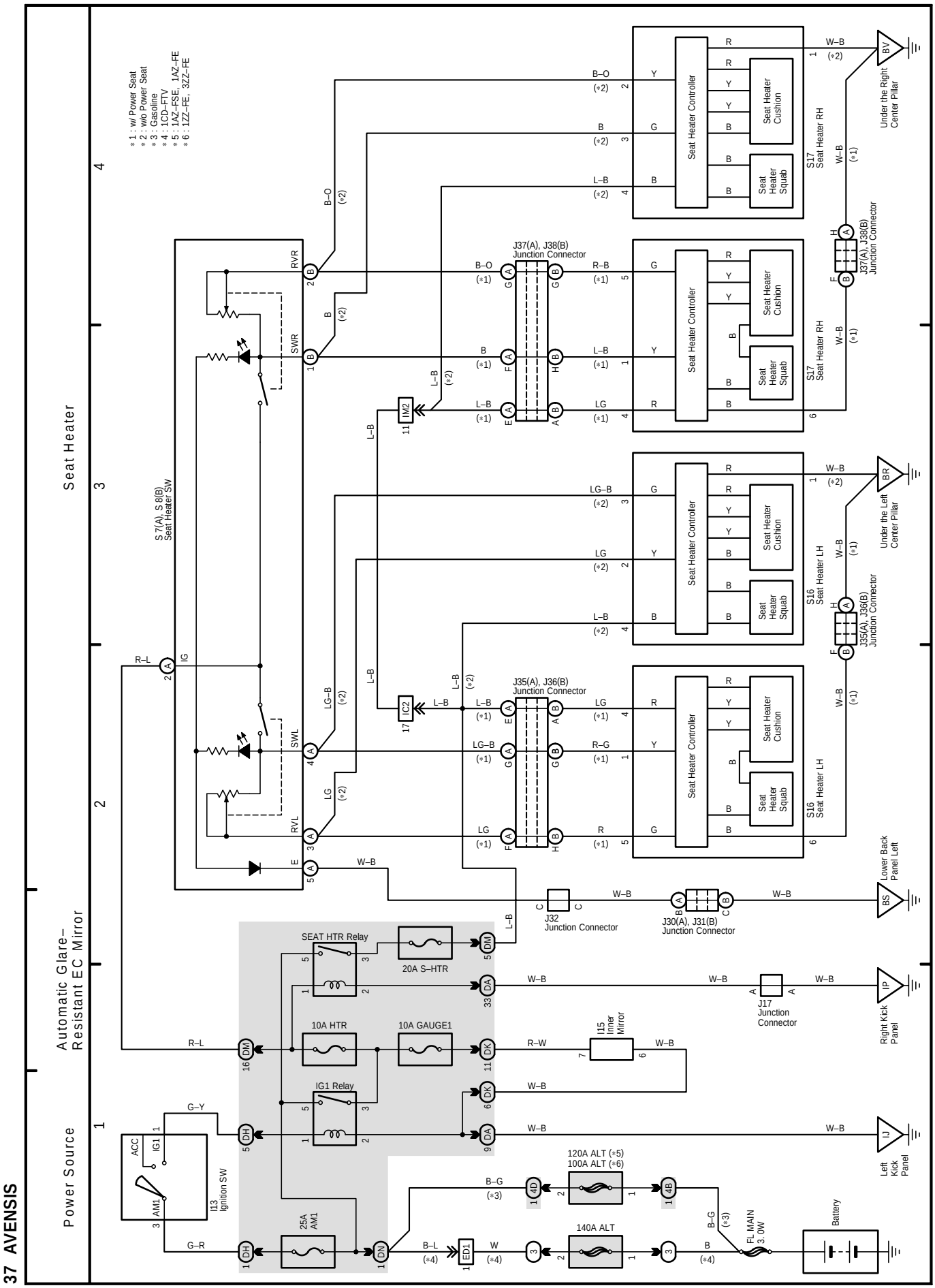
37 AVENSIS
Power Source
Automatic Glare–Resistant EC Mirror
Seat Heater
* 1 : w/ Power Seat
* 2 : w/o Power Seat
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
S 7(A), S 8(B) Seat Heater SW
I13 Ignition SW
ACC
IG1
AM1
IG
SWR
RVR
SWL
RVL
E
SEAT HTR Relay
IG1 Relay
10A HTR
10A GAUGE1
20A S–HTR
25A AM1
120A ALT (*5)
100A ALT (*6)
140A ALT
FL MAIN 3. 0W
Battery
J37(A), J38(B) Junction Connector
J35(A), J36(B) Junction Connector
J32 Junction Connector
J30(A), J31(B) Junction Connector
J17 Junction Connector
I15 Inner Mirror
IM2
IC2
ED1
Seat Heater Controller
Seat Heater Cushion
Seat Heater Squab
S17 Seat Heater RH
S16 Seat Heater LH
Under the Right Center Pillar
Under the Left Center Pillar
Lower Back Panel Left
Right Kick Panel
Left Kick Panel
BV
BR
BS
IP
IJ

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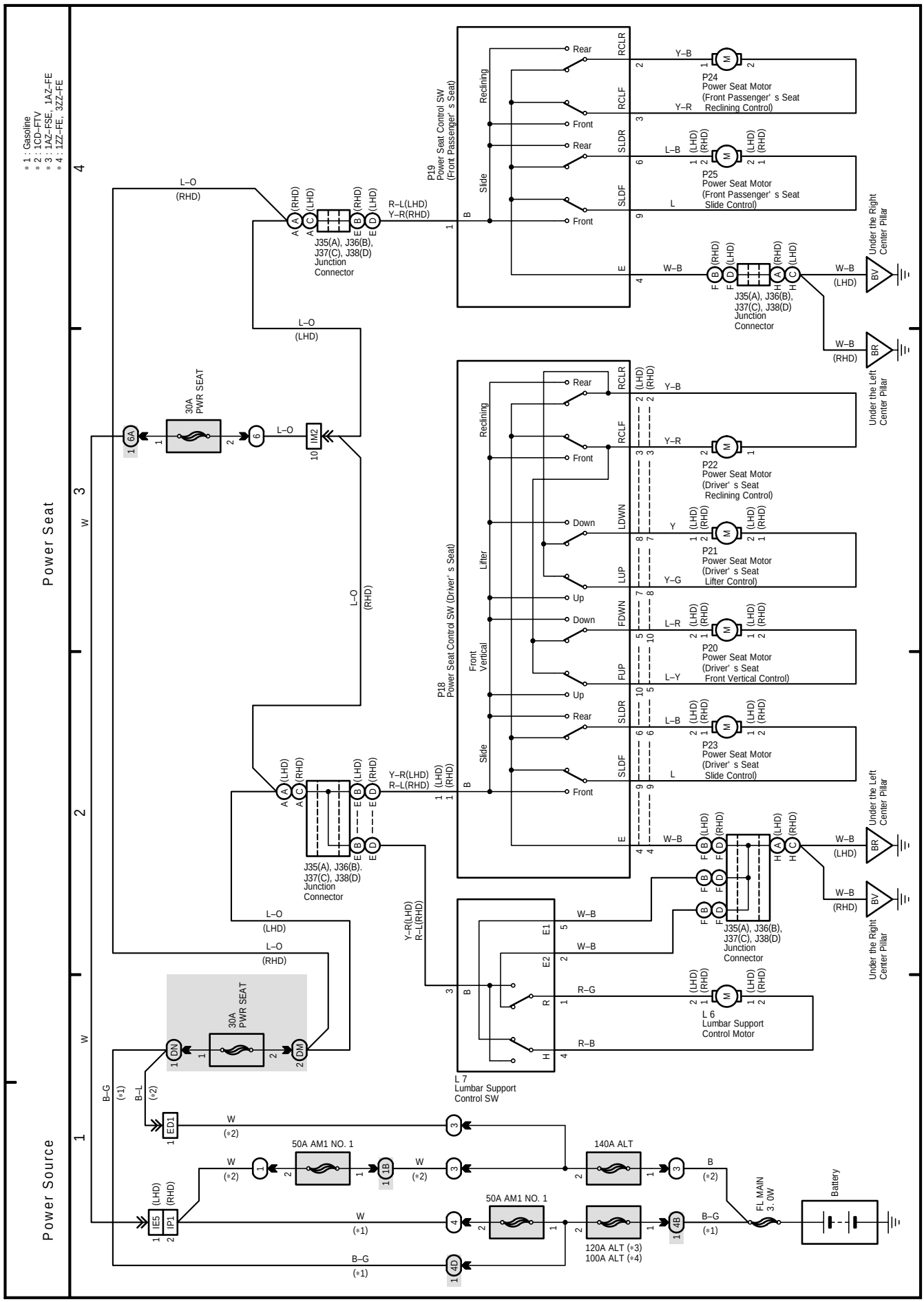

38 AVENSIS

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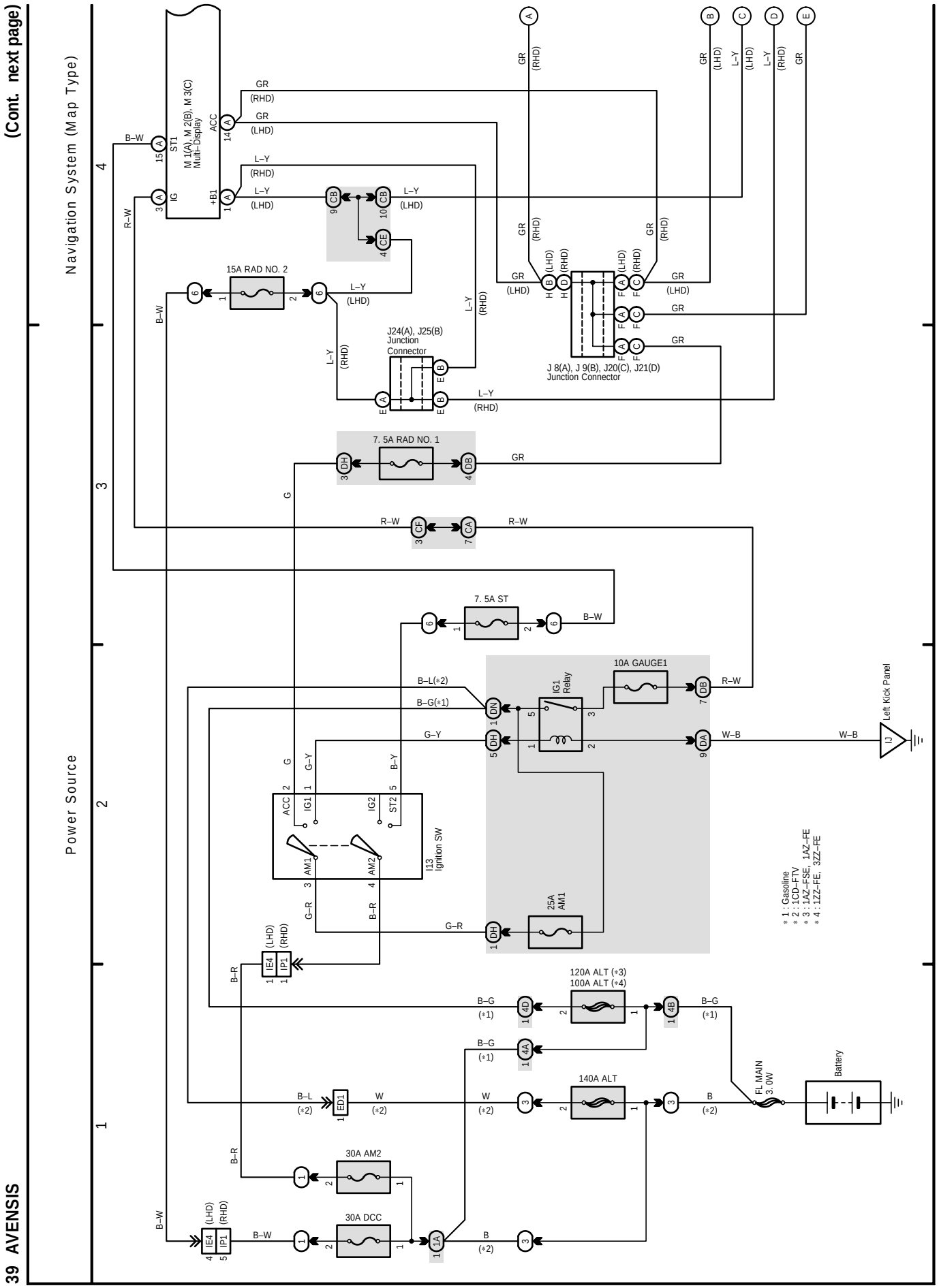
(Cont. next page)
Navigation System (Map Type)
Power Source
39 AVENSIS
M 1(A), M 2(B), M 3(C)
Multi–Display
ST1
IG
ACC
+B1
15A RAD NO. 2
7. 5A RAD NO. 1
7. 5A ST
J24(A), J25(B)
Junction
Connector
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
10A GAUGE1
IG1
Relay
I13
Ignition SW
25A
AM1
30A AM2
30A DCC
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
Left Kick Panel
IJ
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE

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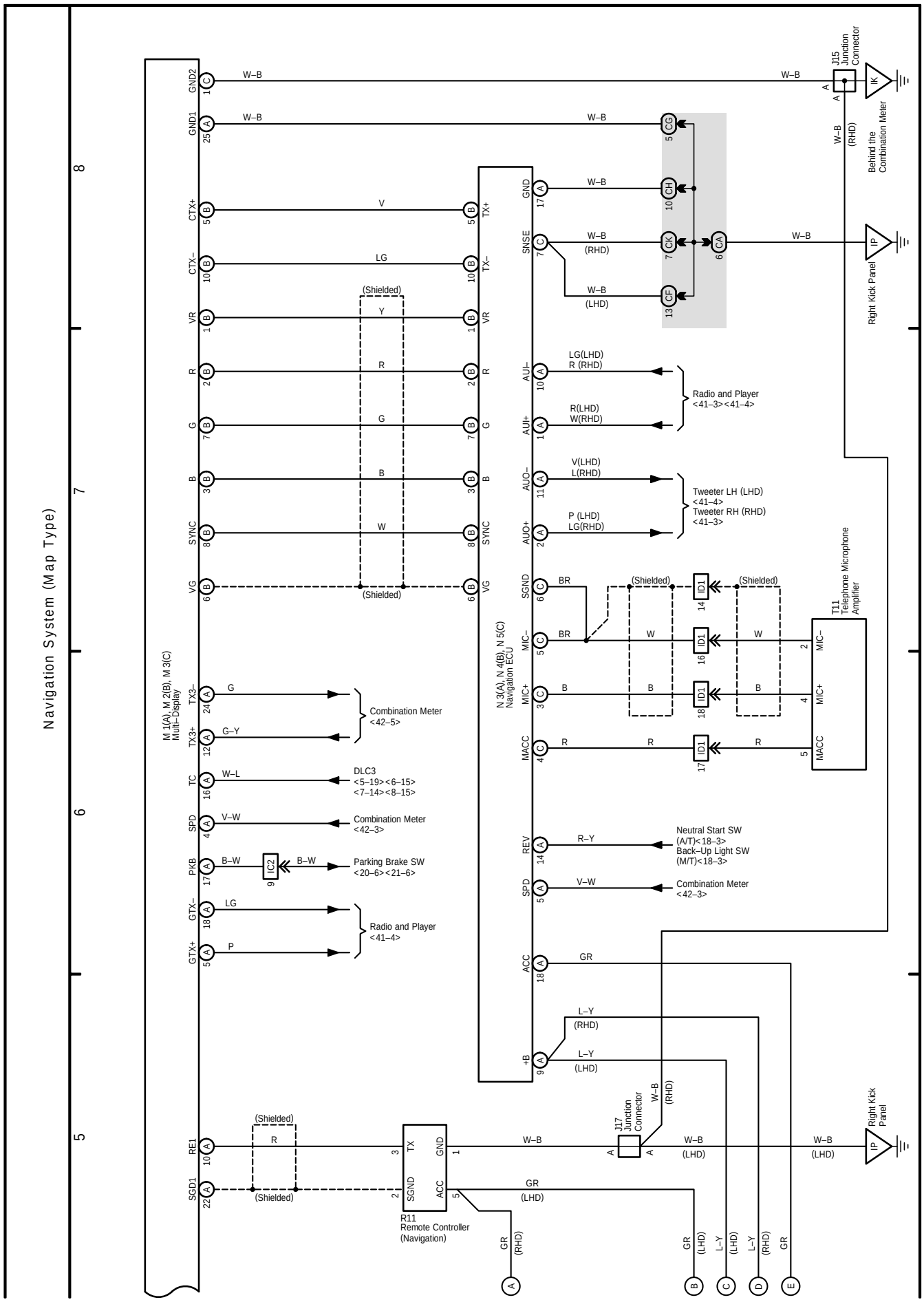
39 AVENSIS (Cont' d)



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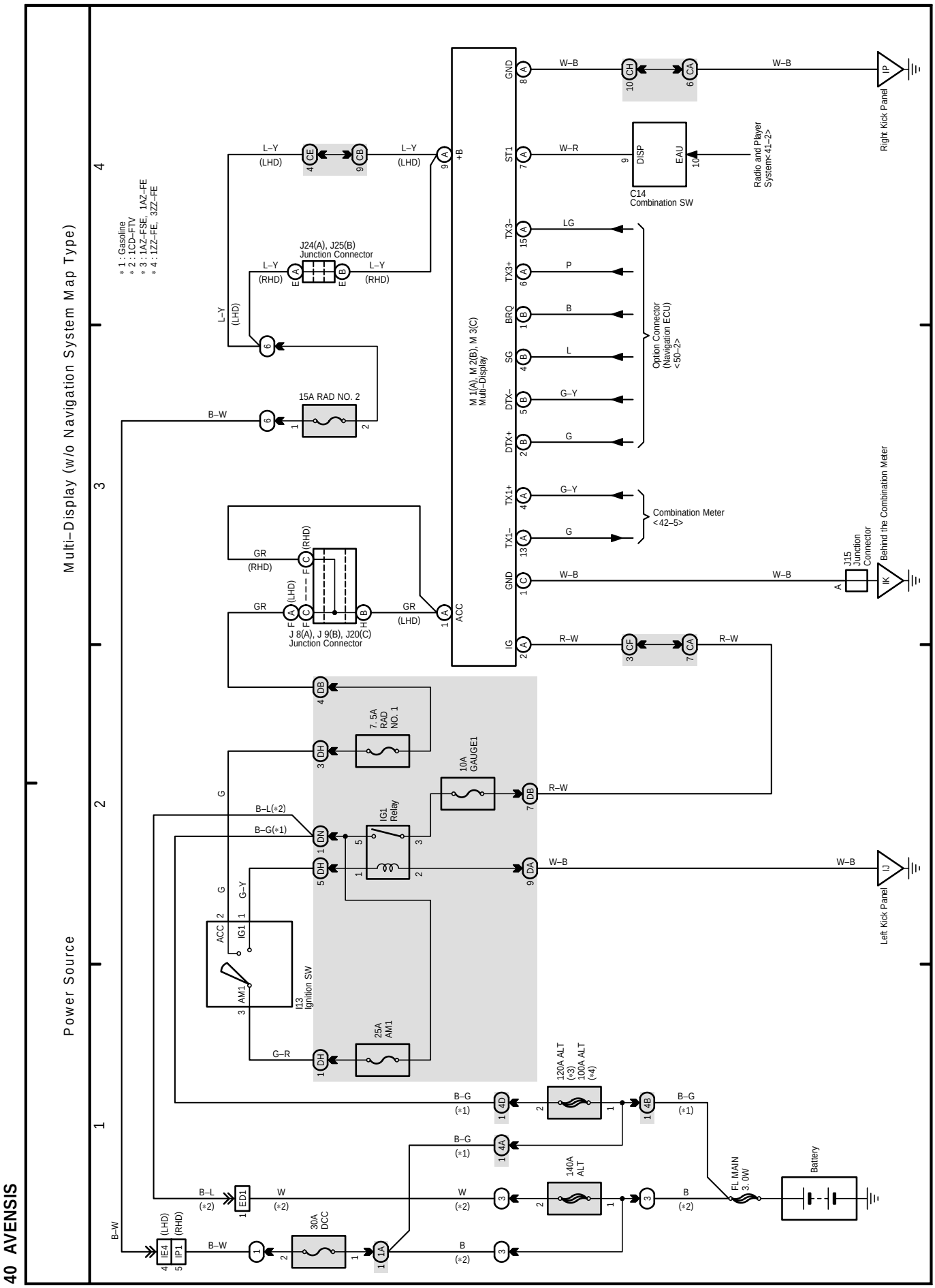
Multi–Display (w/o Navigation System Map Type)
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
J24(A), J25(B) Junction Connector
J 8(A), J 9(B), J20(C) Junction Connector
15A RAD NO. 2
M 1(A), M 2(B), M 3(C) Multi–Display
Option Connector (Navigation ECU) <50–2>
Combination Meter <42–5>
C14 Combination SW
Radio and Player System<41–2>
Right Kick Panel
J15 Junction Connector
Behind the Combination Meter
Left Kick Panel
I13 Ignition SW
IG1 Relay
7.5A RAD NO. 1
10A GAUGE1
25A AM1
30A DCC
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3.0W
Battery

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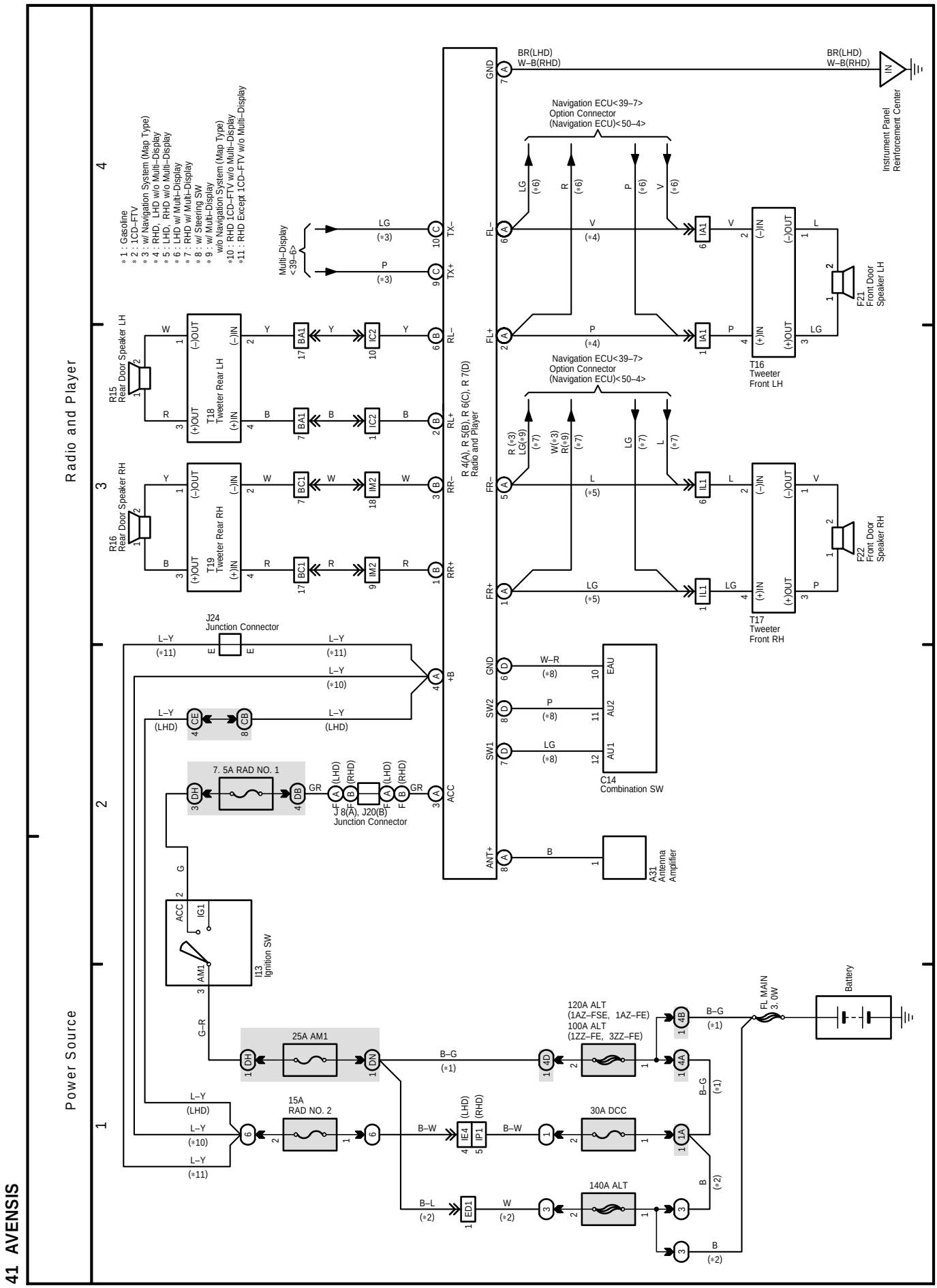
41 AVENSIS
Power Source
Radio and Player
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Navigation System (Map Type)
* 4 : RHD, LHD w/o Multi–Display
* 5 : LHD, RHD w/o Multi–Display
* 6 : LHD w/ Multi–Display
* 7 : RHD w/ Multi–Display
* 8 : w/ Steering SW
* 9 : w/ Multi–Display w/o Navigation System (Map Type)
*10 : RHD 1CD–FTV w/o Multi–Display
*11 : RHD Except 1CD–FTV w/o Multi–Display
Multi–Display <39–6>
R15 Rear Door Speaker LH
R16 Rear Door Speaker RH
T18 Tweeter Rear LH
T19 Tweeter Rear RH
J24 Junction Connector
J 8(A), J20(B) Junction Connector
R 4(A), R 5(B), R 6(C), R 7(D) Radio and Player
Navigation ECU<39–7> Option Connector (Navigation ECU)<50–4>
T16 Tweeter Front LH
T17 Tweeter Front RH
F21 Front Door Speaker LH
F22 Front Door Speaker RH
C14 Combination SW
A31 Antenna Amplifier
Instrument Panel Reinforcement Center
I13 Ignition SW
7. 5A RAD NO. 1
25A AM1
15A RAD NO. 2
120A ALT (1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
30A DCC
140A ALT
FL MAIN 3. 0W
Battery

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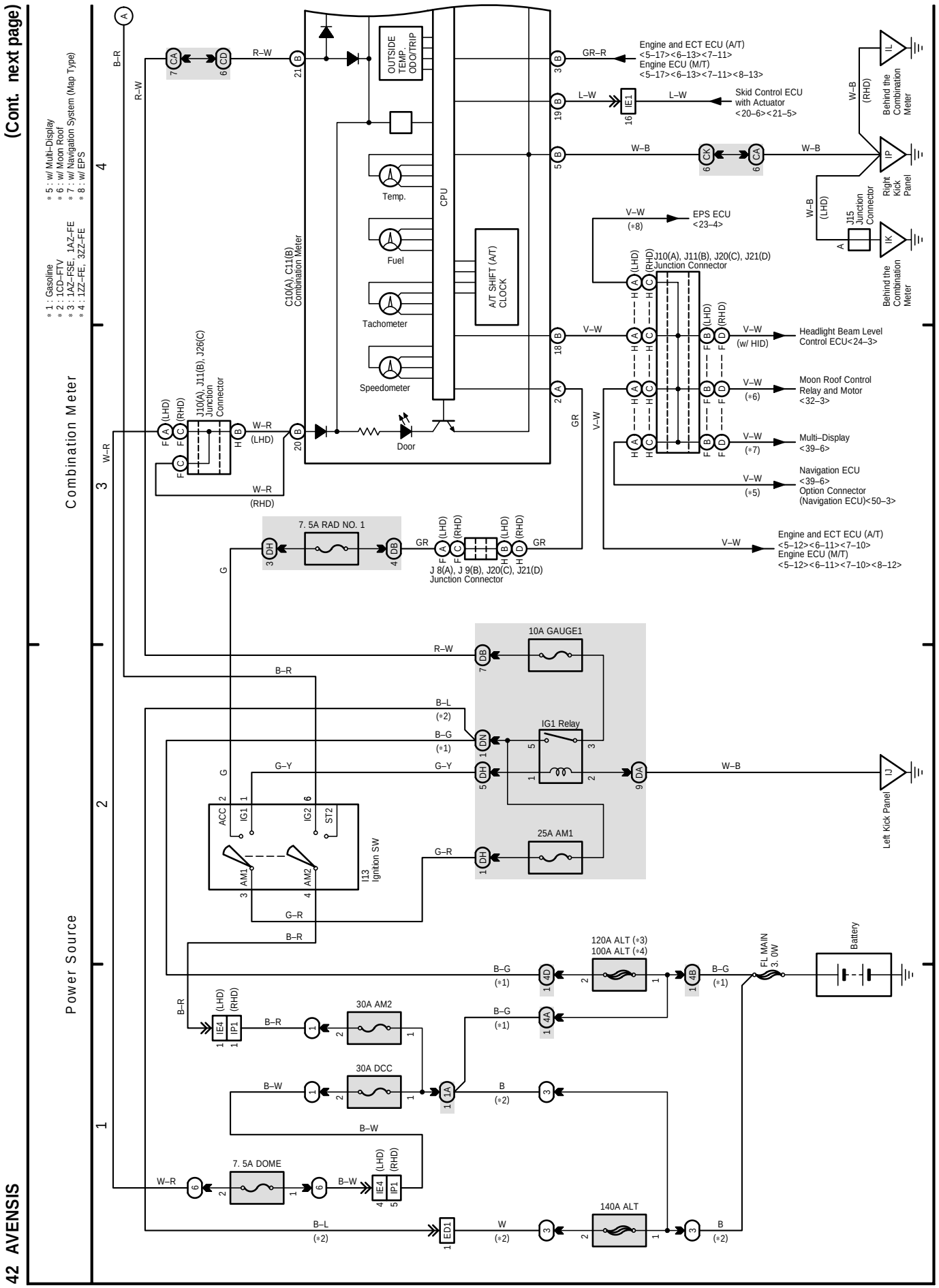
(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : w/ EPS
Combination Meter
Power Source
OUTSIDE TEMP. ODO/TRIP
CPU
Temp.
Fuel
Tachometer
Speedometer
Door
A/T SHIFT (A/T) CLOCK
C10(A), C11(B) Combination Meter
Engine and ECT ECU (A/T) <5–17><6–13><7–11> Engine ECU (M/T) <5–17><6–13><7–11><8–13>
Skid Control ECU with Actuator <20–6><21–5>
EPS ECU <23–4>
J10(A), J11(B), J20(C), J21(D) Junction Connector
Headlight Beam Level Control ECU<24–3>
Moon Roof Control Relay and Motor <32–3>
Multi–Display <39–6>
Navigation ECU <39–6>
Option Connector (Navigation ECU)<50–3>
Engine and ECT ECU (A/T) <5–12><6–11><7–10> Engine ECU (M/T) <5–12><6–11><7–10><8–12>
J10(A), J11(B), J26(C) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J15 Junction Connector
Behind the Combination Meter
Right Kick Panel
Left Kick Panel
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (*3) 100A ALT (*4)
140A ALT
30A AM2
30A DCC
7. 5A DOME
FL MAIN 3. 0W
Battery
42 AVENSIS

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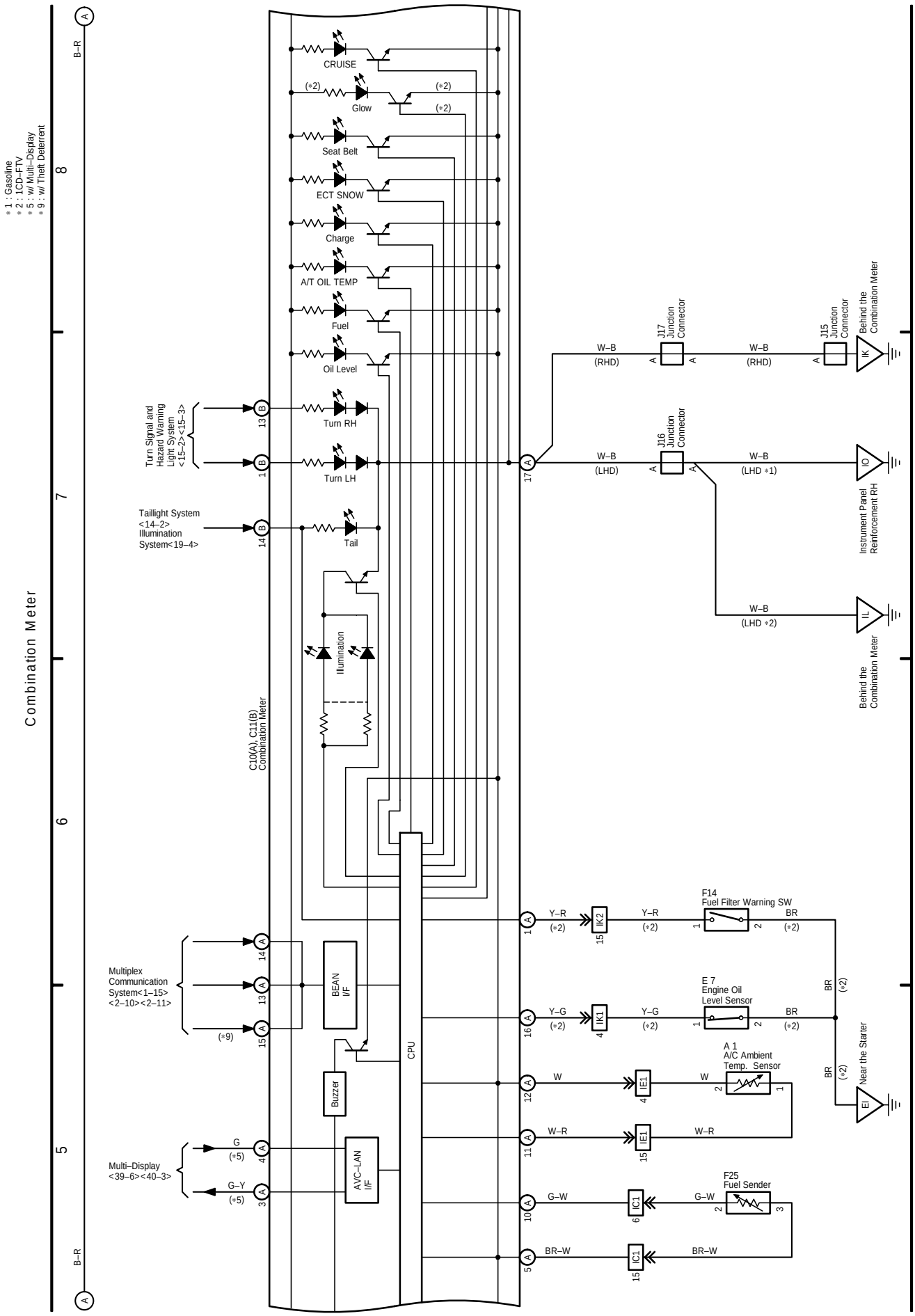
42 AVENSIS (Cont' d)

(Cont. next page)



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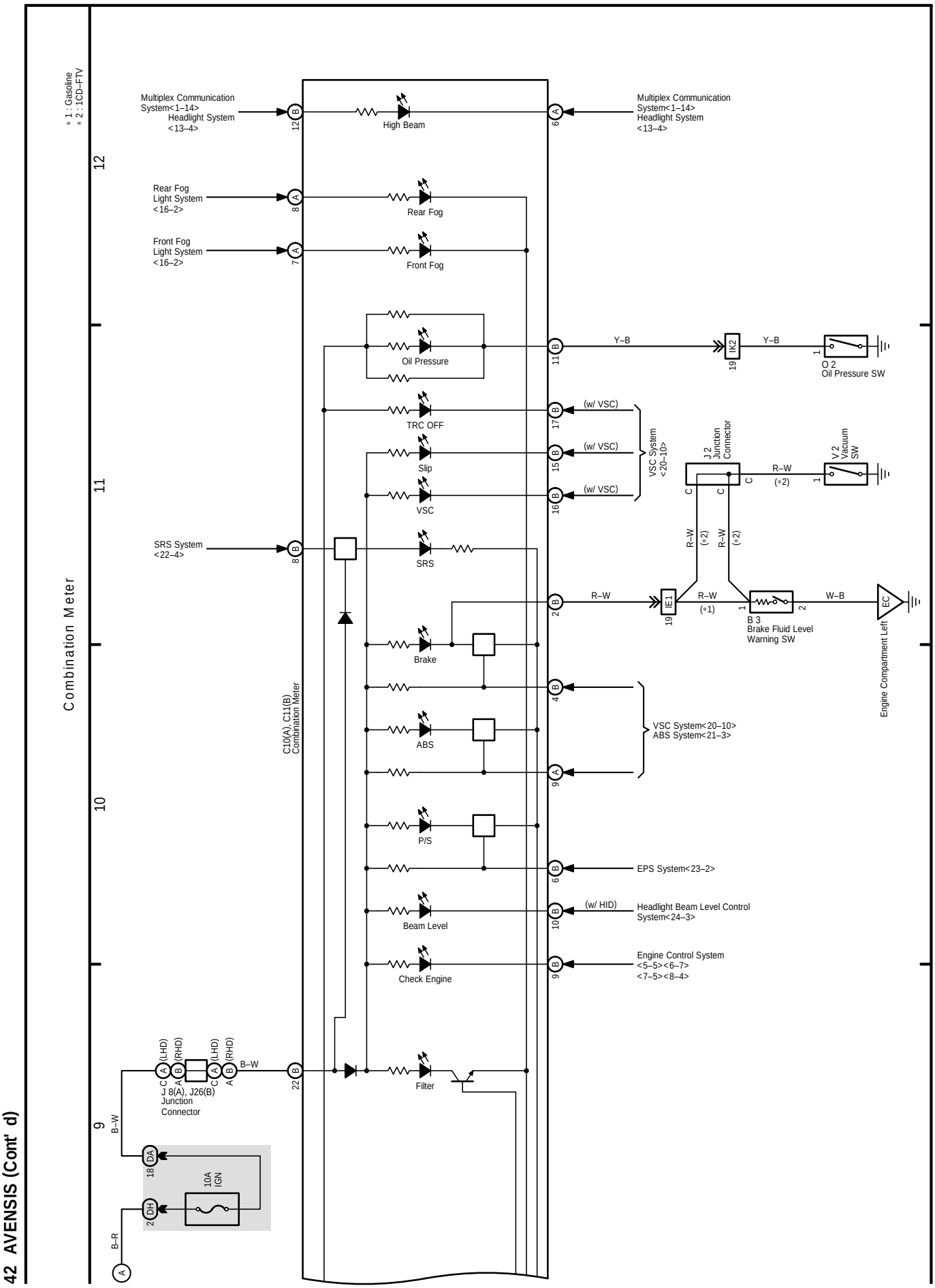
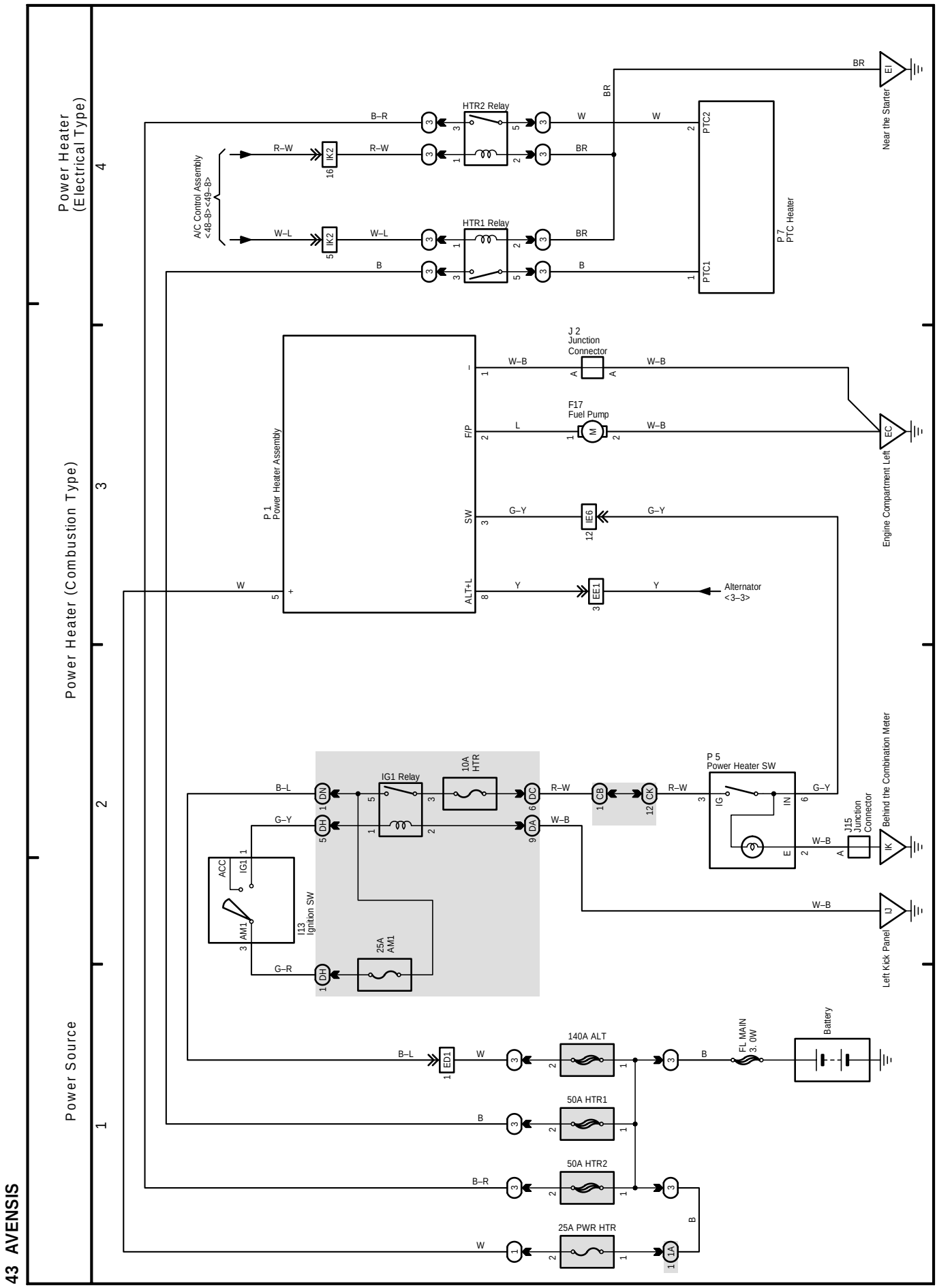
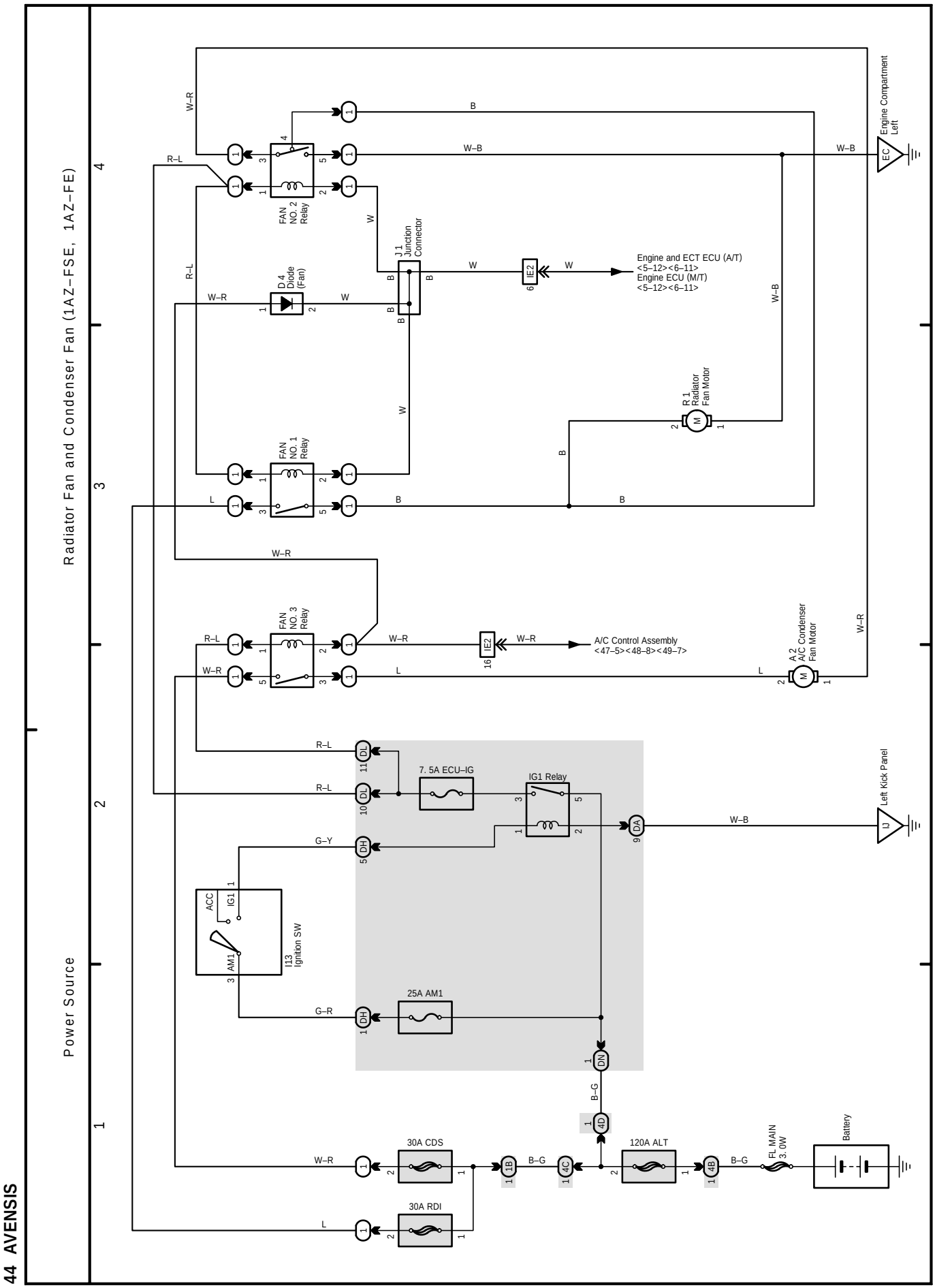


42 AVENSIS (Cont' d)

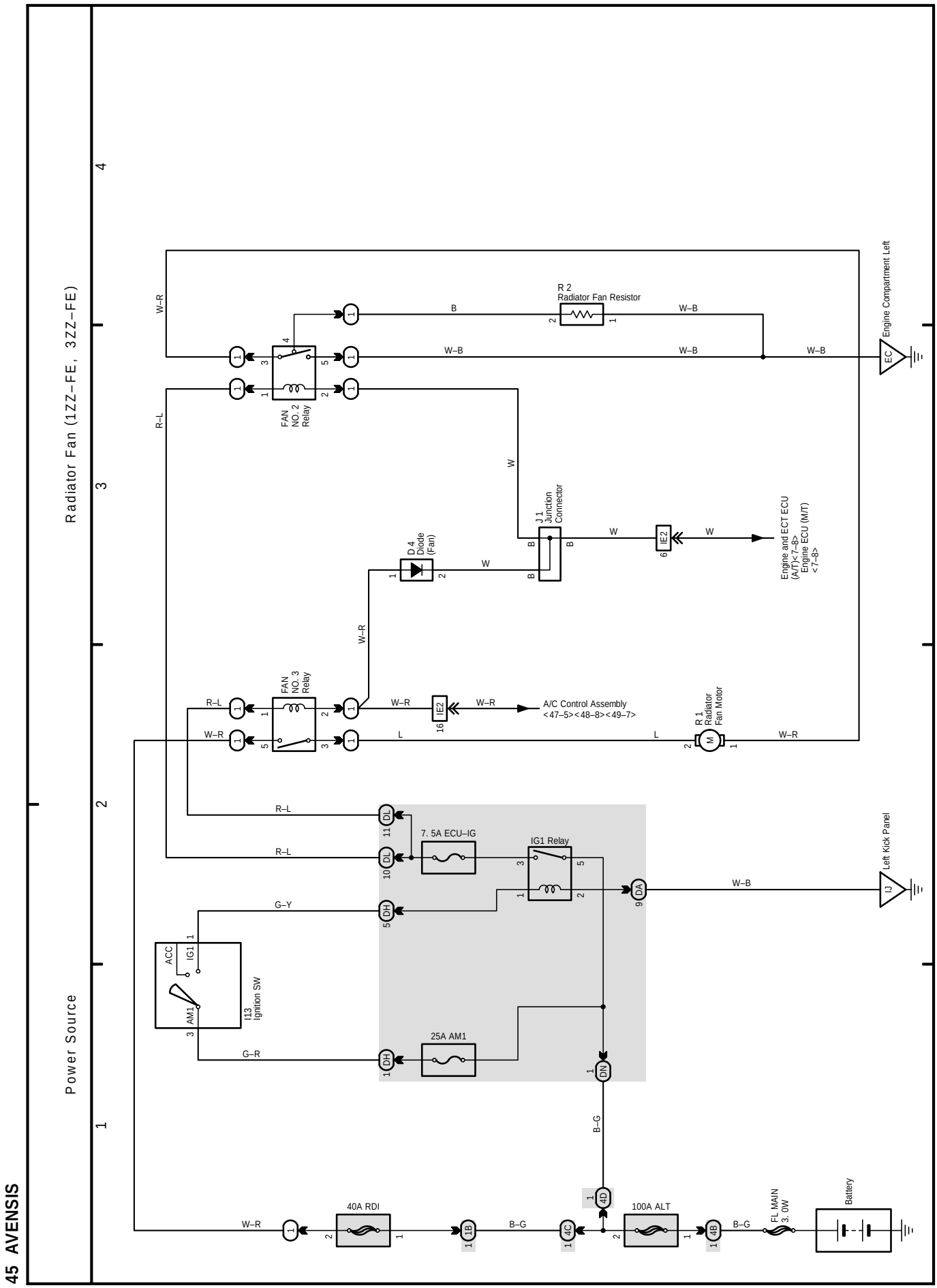
http://vnx.su


Power Heater (Electrical Type)
Power Heater (Combustion Type)
Power Source
4
3
2
1
HTR2 Relay
HTR1 Relay
A/C Control Assembly <48–8><49–8>
IK2
P 7 PTC Heater
PTC1
PTC2
Near the Starter
J 2 Junction Connector
F17 Fuel Pump
P 1 Power Heater Assembly
Engine Compartment Left
Alternator <3–3>
IG1 Relay
10A HTR
P 5 Power Heater SW
J15 Junction Connector
Behind the Combination Meter
Left Kick Panel
113 Ignition SW
25A AM1
140A ALT
FL MAIN 3. 0W
Battery
50A HTR1
50A HTR2
25A PWR HTR

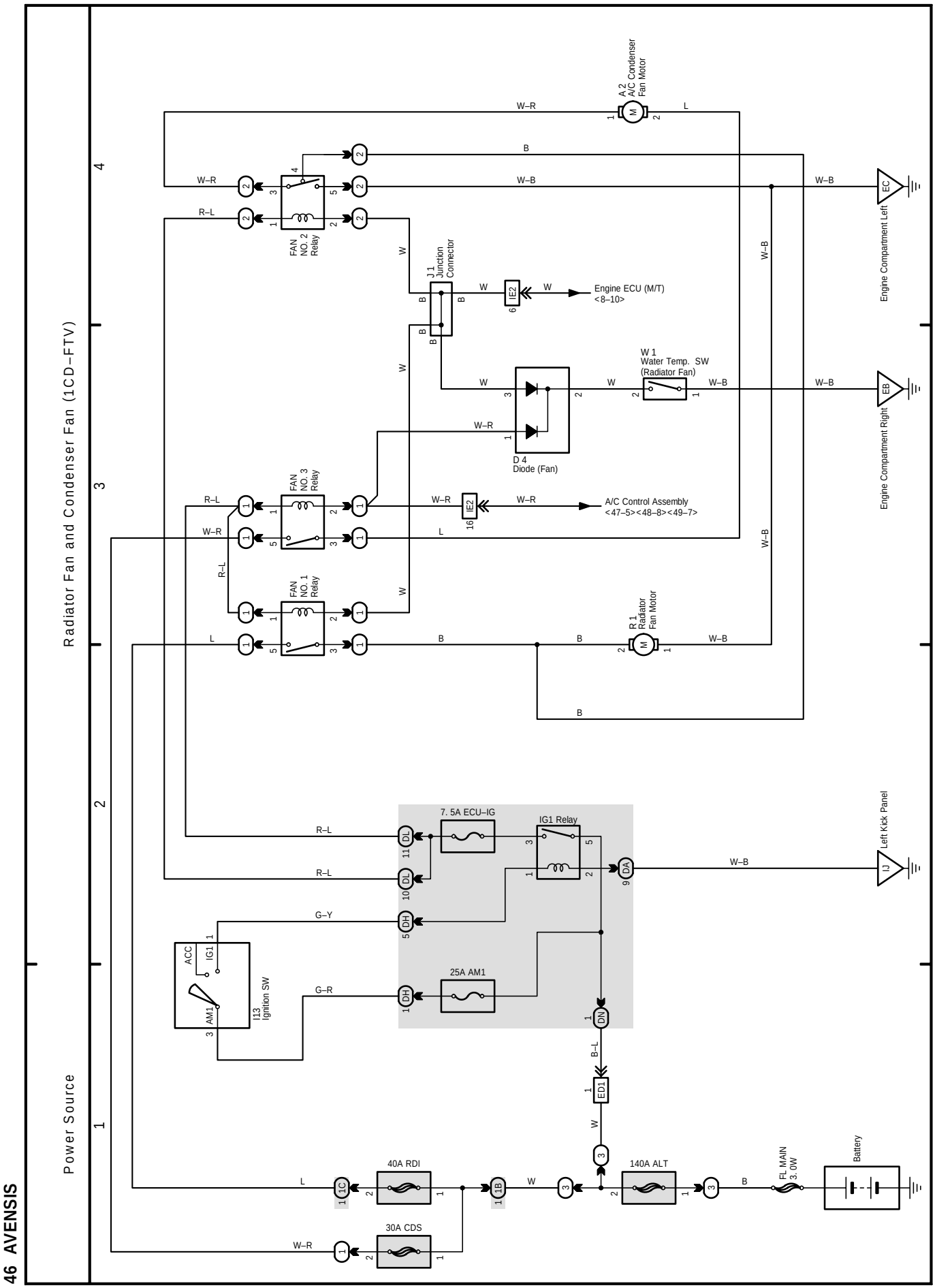
http://vnx.su


Radiator Fan and Condenser Fan (1AZ–FSE, 1AZ–FE)
Power Source
44 AVENSIS
FAN NO. 2 Relay
FAN NO. 1 Relay
FAN NO. 3 Relay
D 4 Diode (Fan)
J 1 Junction Connector
R 1 Radiator Fan Motor
A 2 A/C Condenser Fan Motor
Engine and ECT ECU (A/T) <5–12><6–11>
Engine ECU (M/T) <5–12><6–11>
A/C Control Assembly <47–5><48–8><49–7>
Engine Compartment Left
Left Kick Panel
7. 5A ECU–IG
IG1 Relay
25A AM1
I 13 Ignition SW
ACC
IG1
AM1
30A CDS
30A RDI
120A ALT
FL MAIN 3. 0W
Battery
W–R
R–L
W–B
B–G
G–Y
G–R
L
W
B

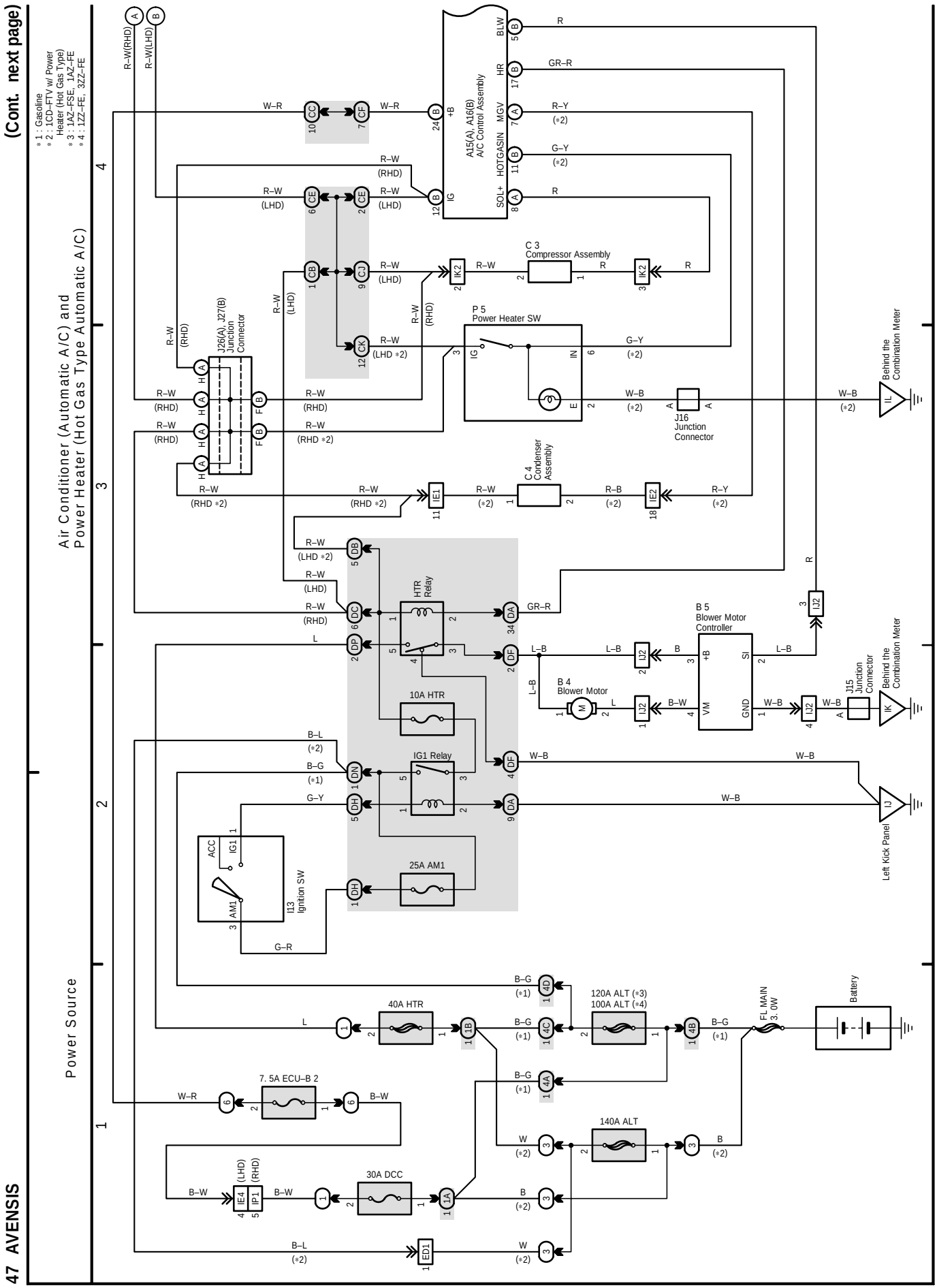
http://vnx.su


45 AVENSIS
Power Source
Radiator Fan (1ZZ–FE, 3ZZ–FE)
1
2
3
4
R 2
Radiator Fan Resistor
FAN NO. 2 Relay
FAN NO. 3 Relay
D 4
Diode (Fan)
J 1
Junction Connector
IE2
Engine and ECT ECU (A/T)<7–8>
Engine ECU (M/T) <7–8>
A/C Control Assembly <47–5><48–8><49–7>
R 1
Radiator Fan Motor
Engine Compartment Left
EC
Left Kick Panel
IJ
7. 5A ECU–IG
IG1 Relay
25A AM1
I13
Ignition SW
ACC
IG1
AM1
40A RDI
100A ALT
FL MAIN
3. 0W
Battery
W–R
R–L
W–B
G–Y
G–R
B–G
W
L
B

http://vnx.su


Radiator Fan and Condenser Fan (1CD–FTV)
Power Source
A 2 A/C Condenser Fan Motor
FAN NO. 2 Relay
FAN NO. 3 Relay
FAN NO. 1 Relay
J 1 Junction Connector
W 1 Water Temp. SW (Radiator Fan)
D 4 Diode (Fan)
R 1 Radiator Fan Motor
Engine ECU (M/T) <8–10>
A/C Control Assembly <47–5><48–8><49–7>
Engine Compartment Left
Engine Compartment Right
Left Kick Panel
7. 5A ECU–IG
IG1 Relay
25A AM1
I13 Ignition SW
40A RDI
30A CDS
140A ALT
Battery
FL MAIN 3. 0W

http://vnx.su


(Cont. next page)
*1 : Gasoline
*2 : 1CD–FTV w/ Power Heater (Hot Gas Type)
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)
Power Source
A15(A), A16(B) A/C Control Assembly
C 3 Compressor Assembly
C 4 Condenser Assembly
P 5 Power Heater SW
J26(A), J27(B) Junction Connector
J16 Junction Connector
J15 Junction Connector
Behind the Combination Meter
Left Kick Panel
B 5 Blower Motor Controller
B 4 Blower Motor
HTR Relay
IG1 Relay
10A HTR
25A AM1
I13 Ignition SW
40A HTR
7. 5A ECU–B 2
30A DCC
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
Battery
R–W(RHD)
R–W(LHD)
47 AVENSIS

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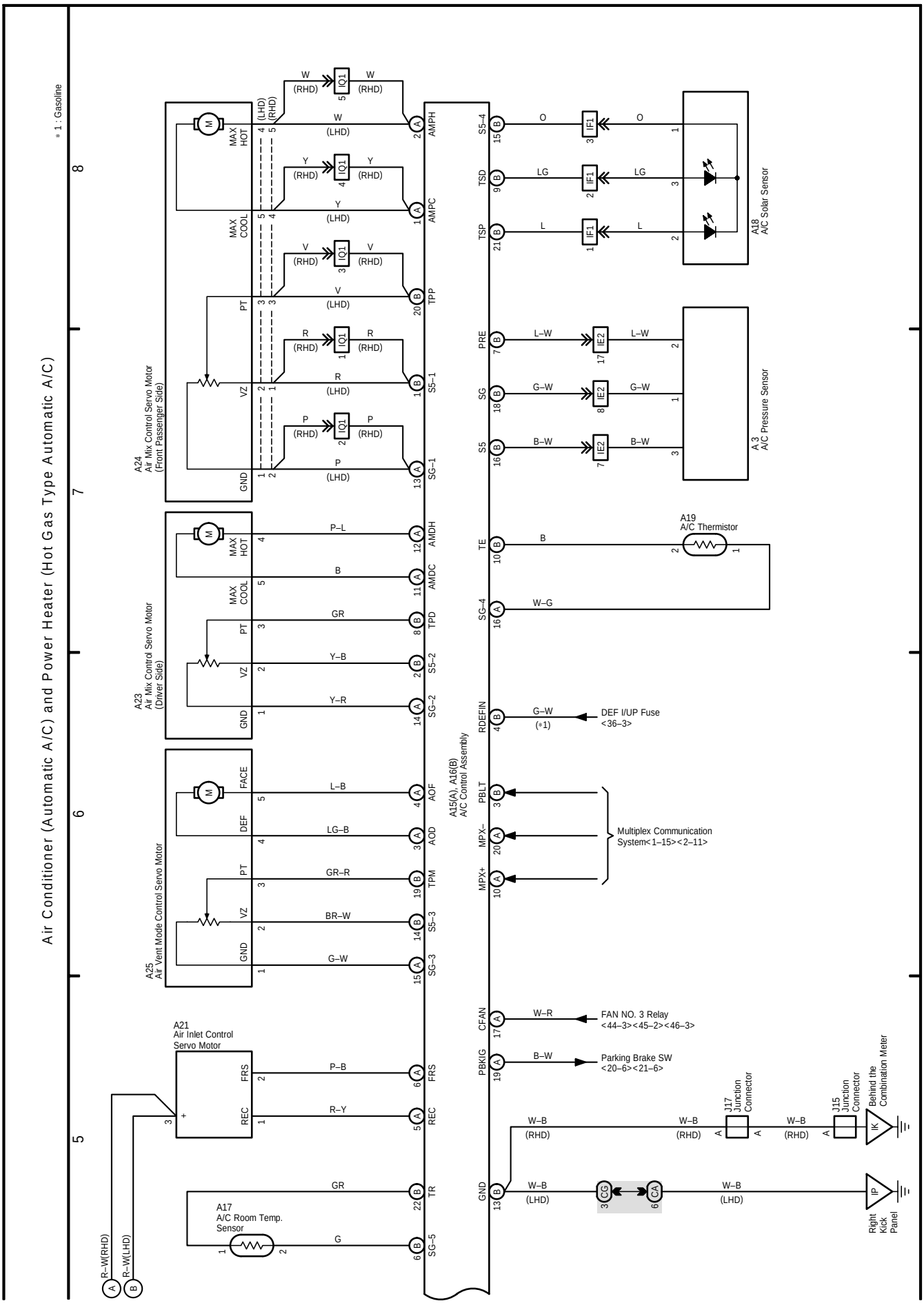
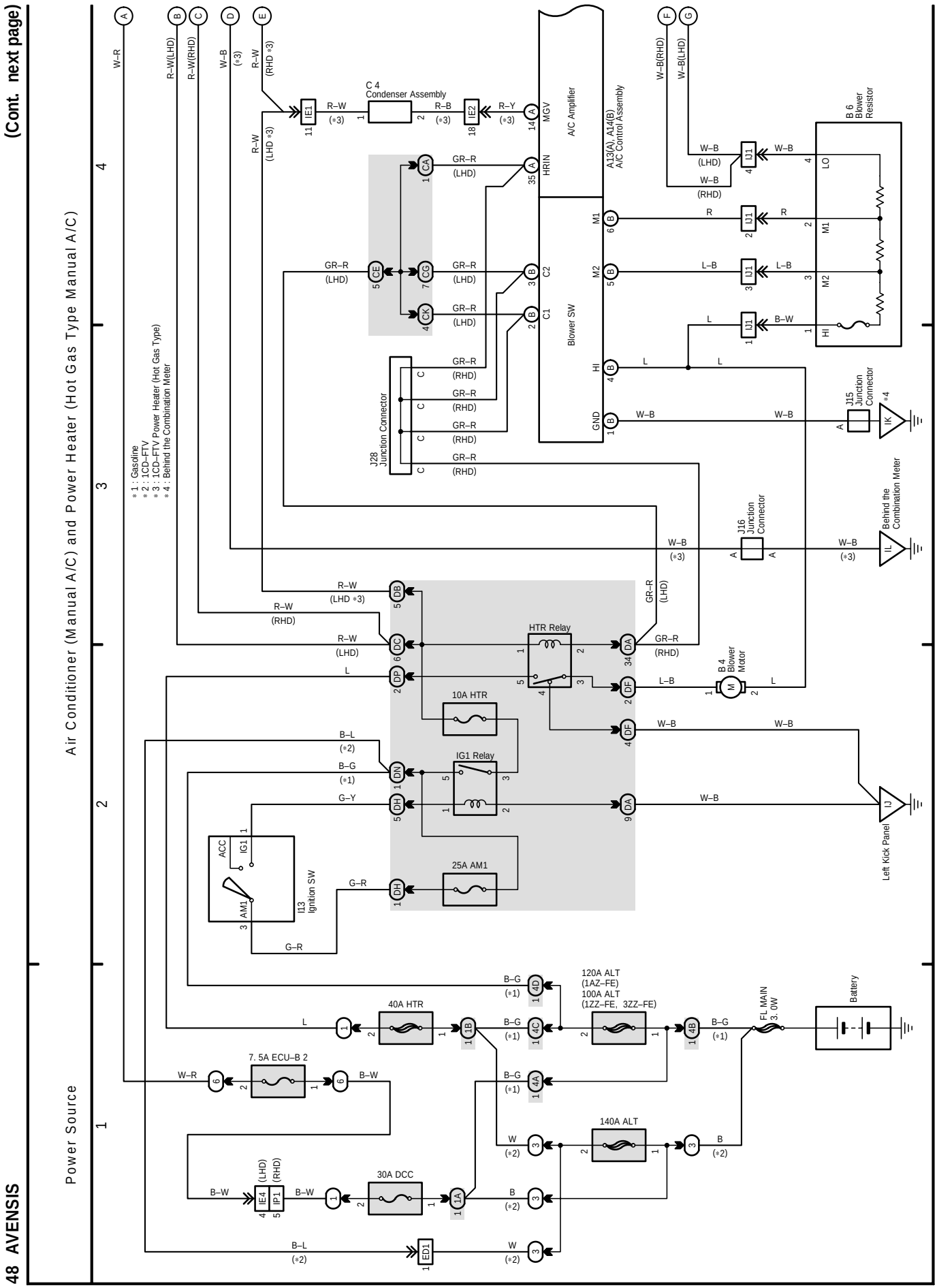
47 AVENSIS (Cont' d)



http://vnx.su


(Cont. next page)
Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)
Power Source
48 AVENSIS
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1CD–FTV Power Heater (Hot Gas Type)
*4 : Behind the Combination Meter
C 4 Condenser Assembly
A/C Amplifier
A13(A), A14(B) A/C Control Assembly
Blower SW
B 6 Blower Resistor
B 4 Blower Motor
J28 Junction Connector
J16 Junction Connector
J15 Junction Connector
Behind the Combination Meter
HTR Relay
10A HTR
IG1 Relay
25A AM1
I13 Ignition SW
Left Kick Panel
40A HTR
7. 5A ECU–B 2
30A DCC
120A ALT (1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN 3. 0W
Battery

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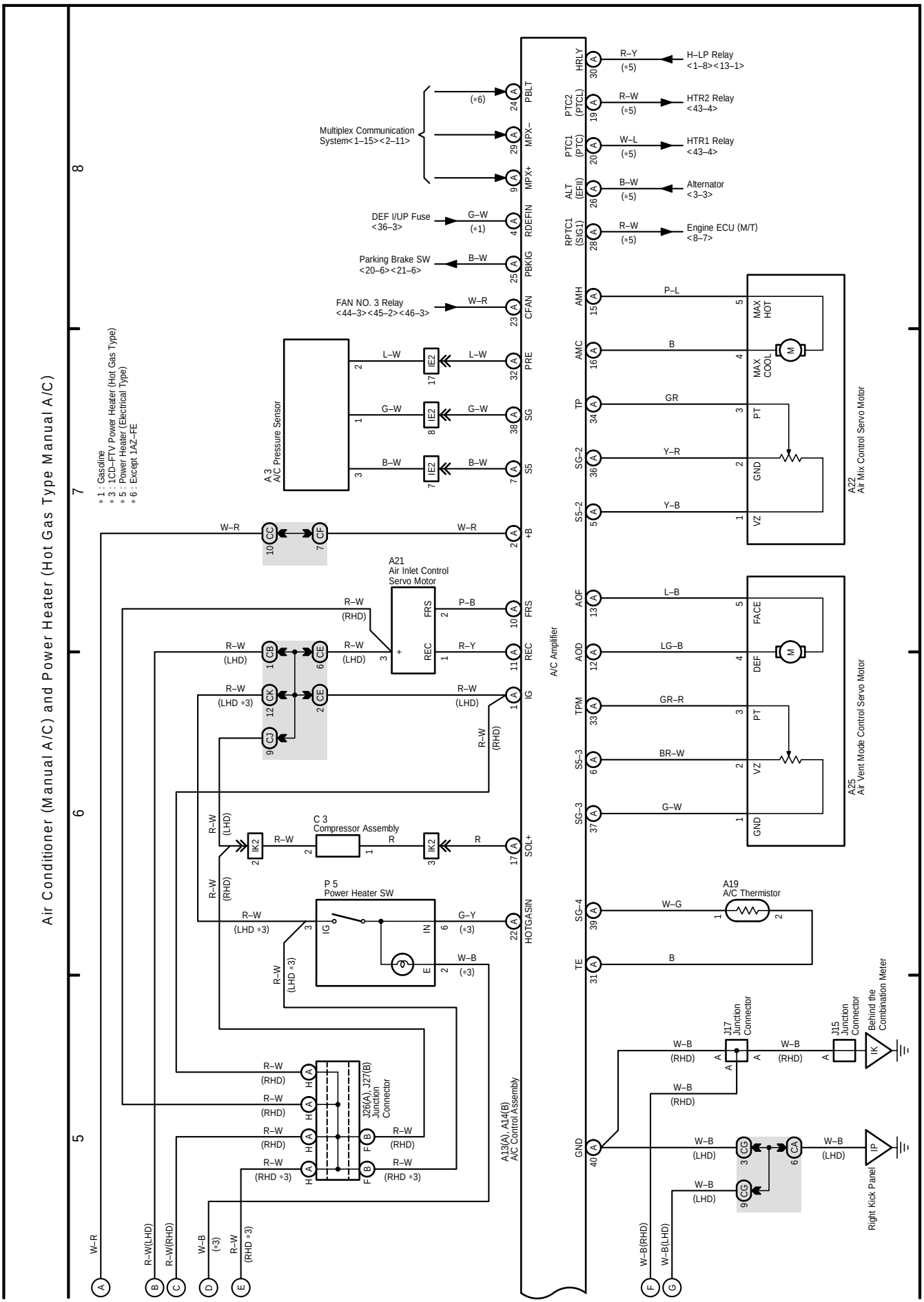
48 AVENSIS (Cont' d)



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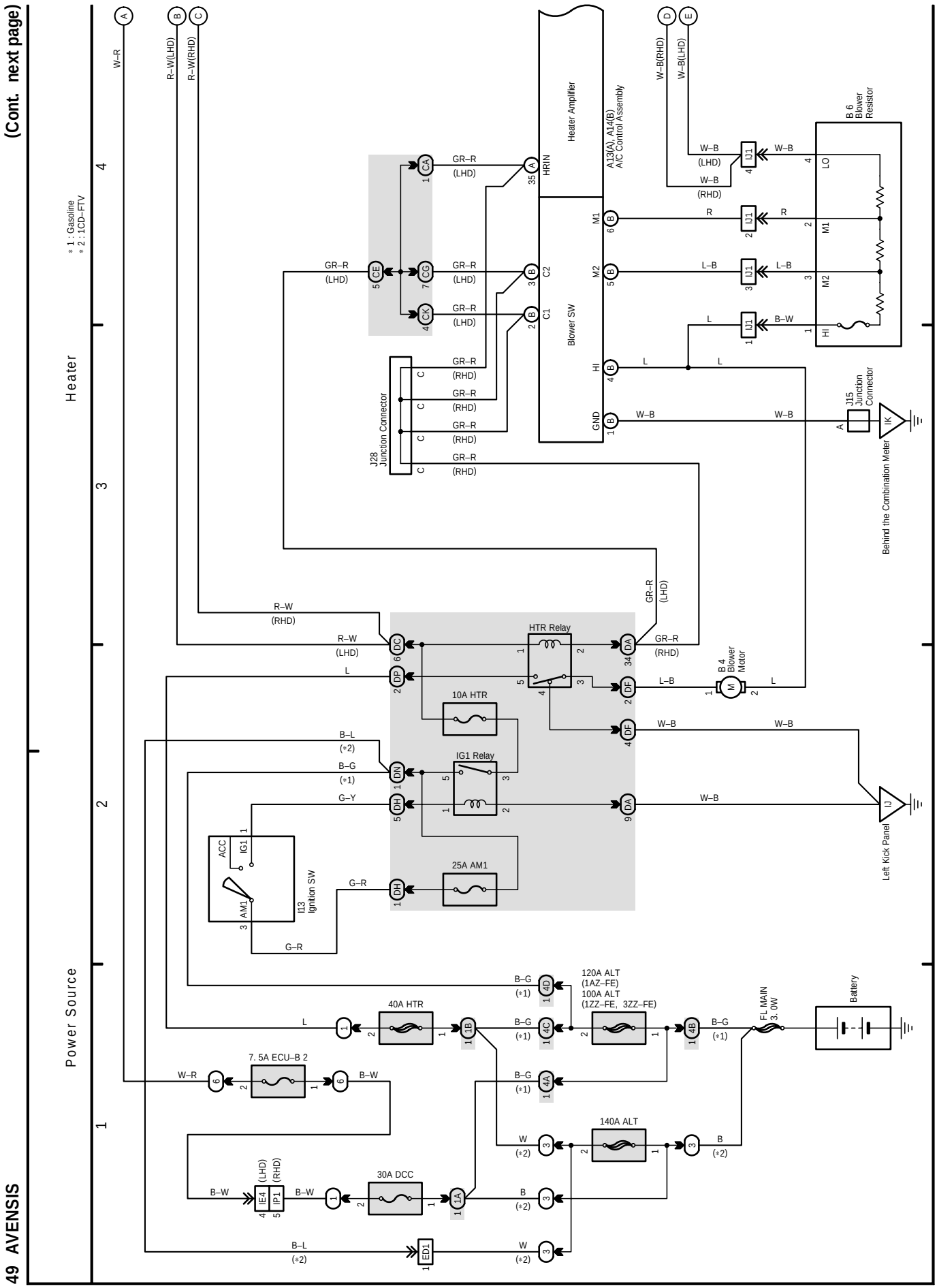
(Cont. next page)
Heater
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
Heater Amplifier
A13(A), A14(B)
A/C Control Assembly
HRIN
Blower SW
C1
C2
M1
M2
HI
GND
B 6
Blower
Resistor
LO
J28
Junction Connector
J15
Junction
Connector
Behind the Combination Meter
Left Kick Panel
HTR Relay
IG1 Relay
10A HTR
25A AM1
I13
Ignition SW
ACC
IG1
AM1
B 4
Blower
Motor
40A HTR
7. 5A ECU–B 2
30A DCC
120A ALT
(1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN
3. 0W
Battery
R–W(LHD)
R–W(RHD)
W–R
W–B(RHD)
W–B(LHD)
GR–R
(LHD)
GR–R
(RHD)
R–W
(LHD)
R–W
(RHD)
L
L–B
B–W
B–L
(*2)
B–G
(*1)
G–Y
G–R
W–B
R
W
B
(*2)
49 AVENSIS

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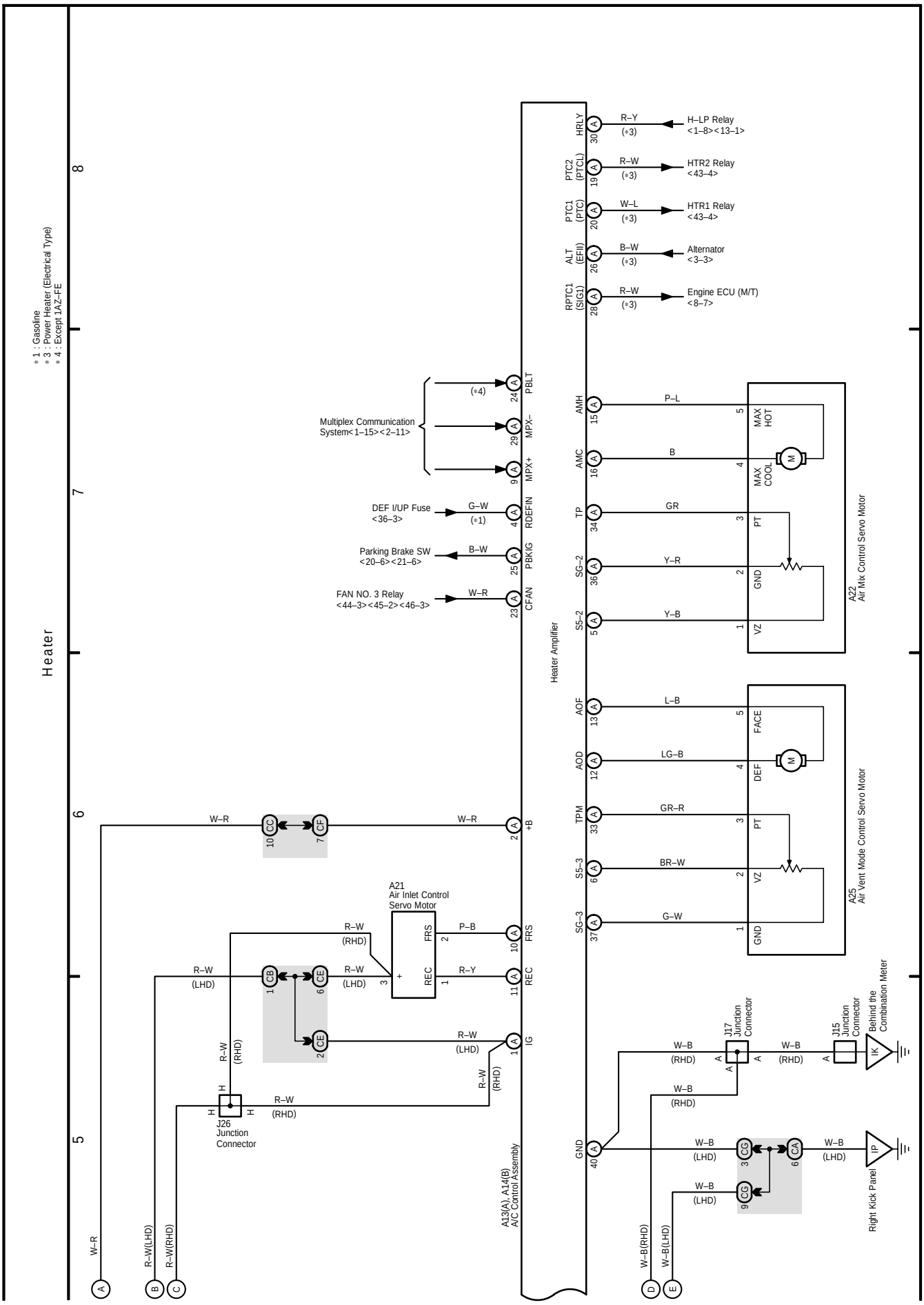
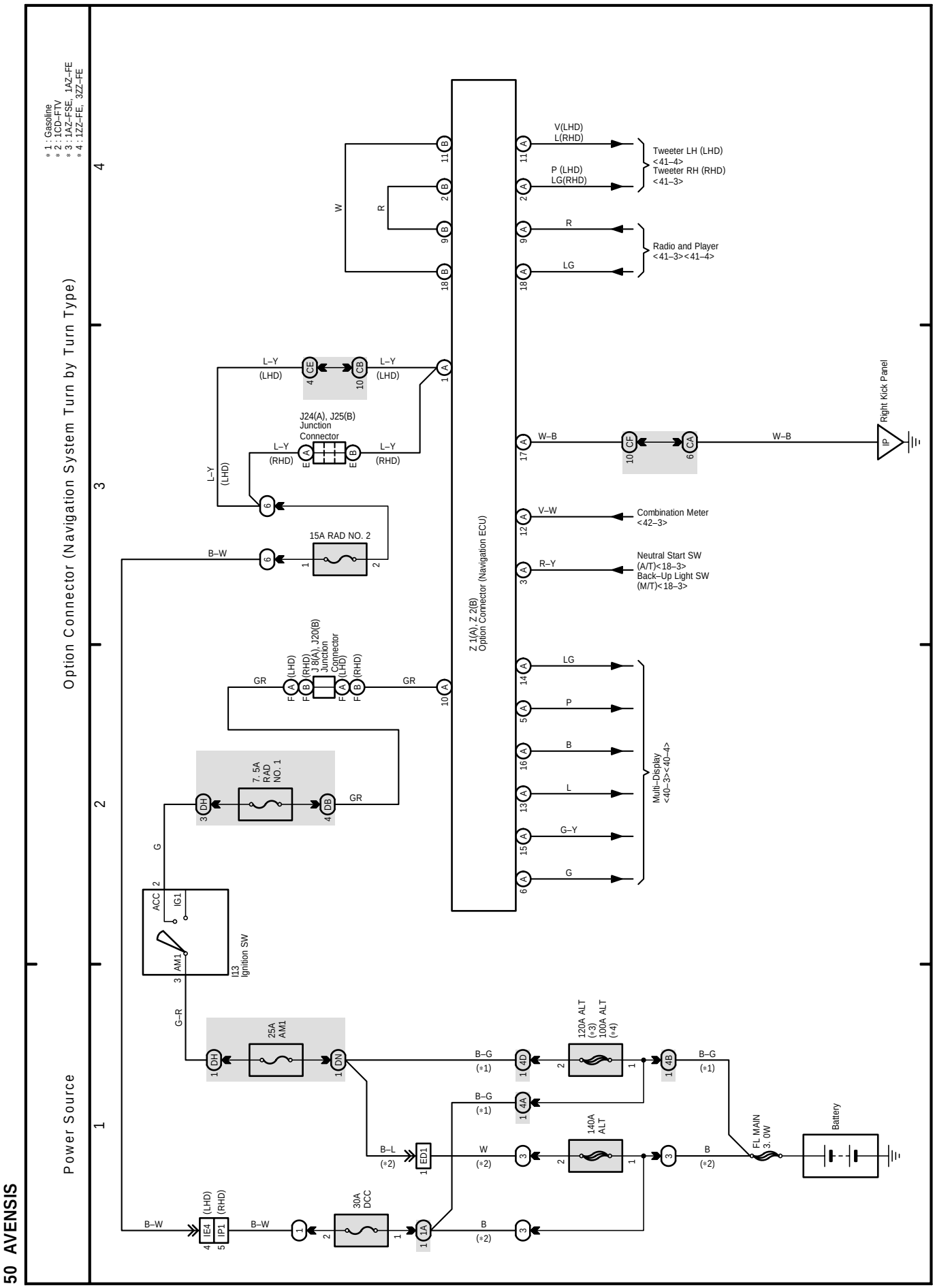
49 AVENSIS (Cont' d)



http://vnx.su



50 AVENSIS

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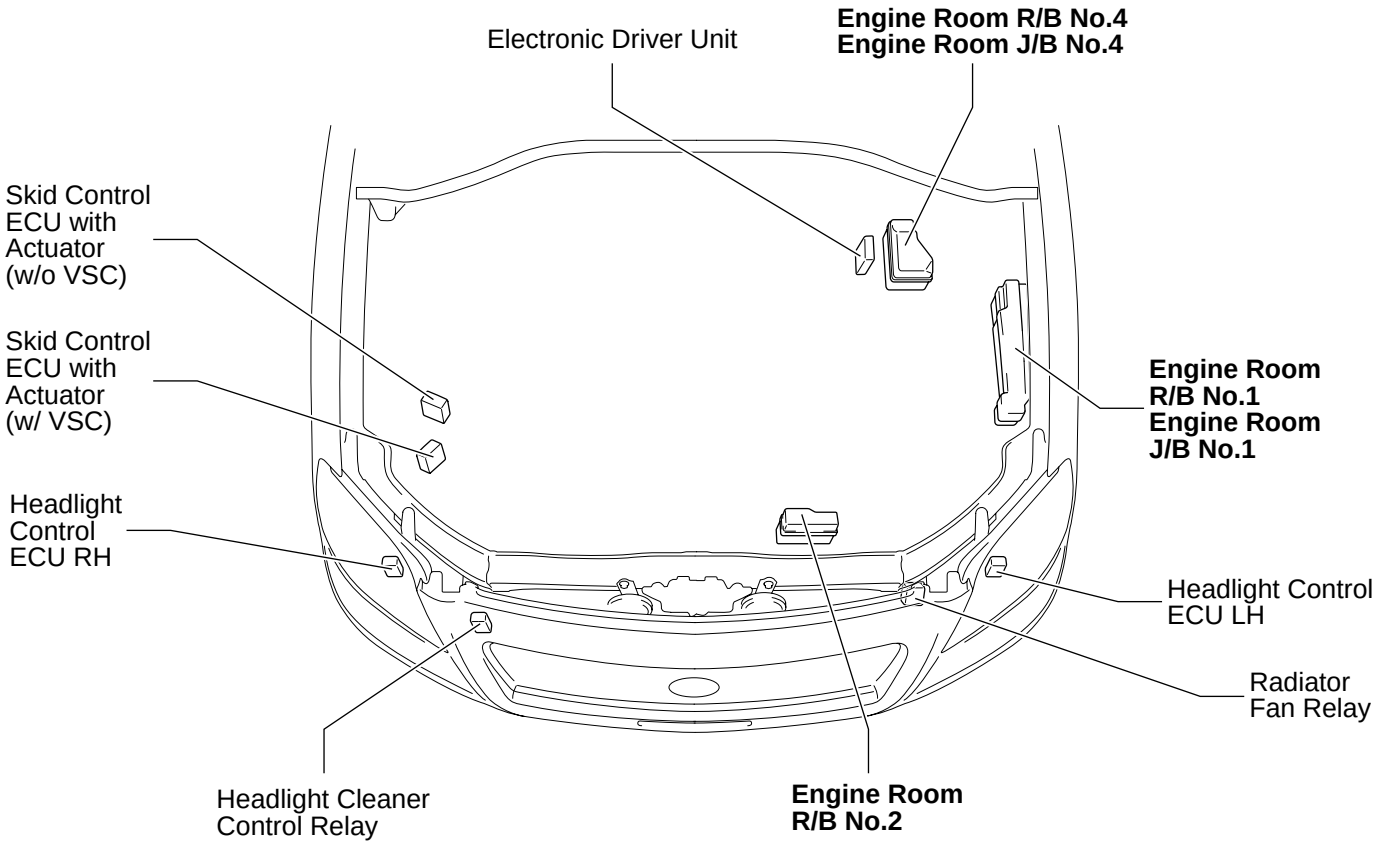
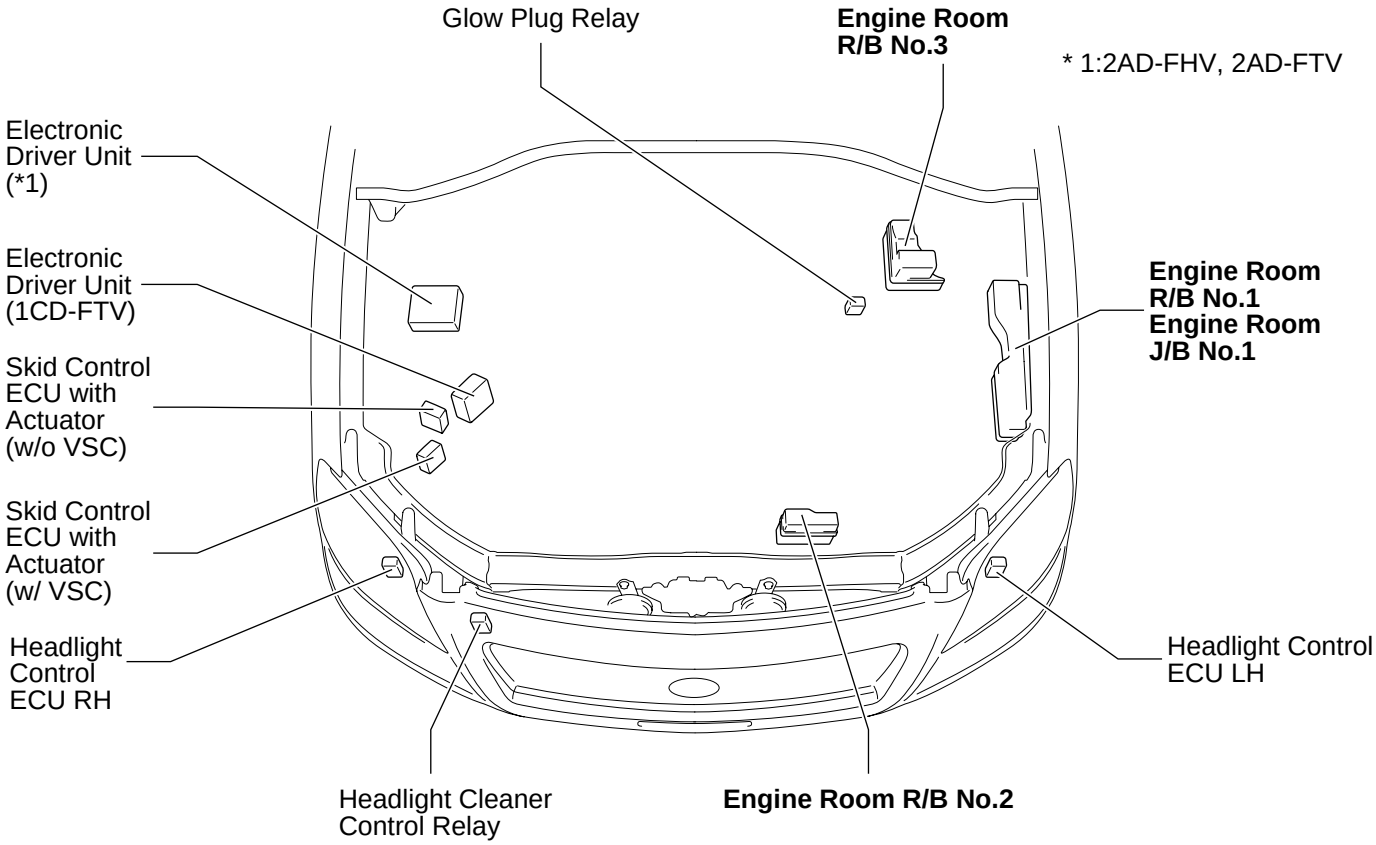
D RELAY LOCATIONS

[Engine Compartment]
(Gasoline)



(Diesel)



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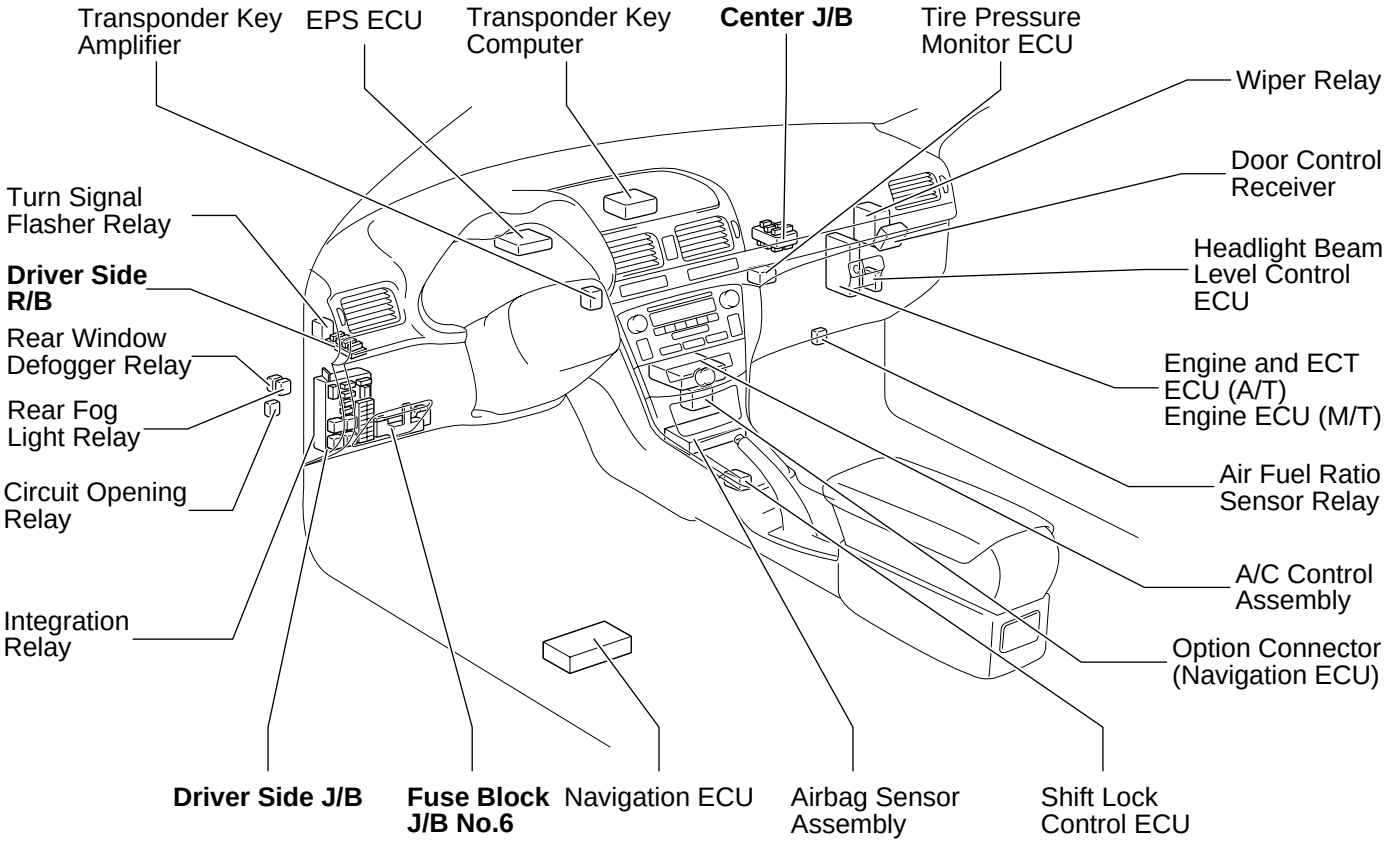
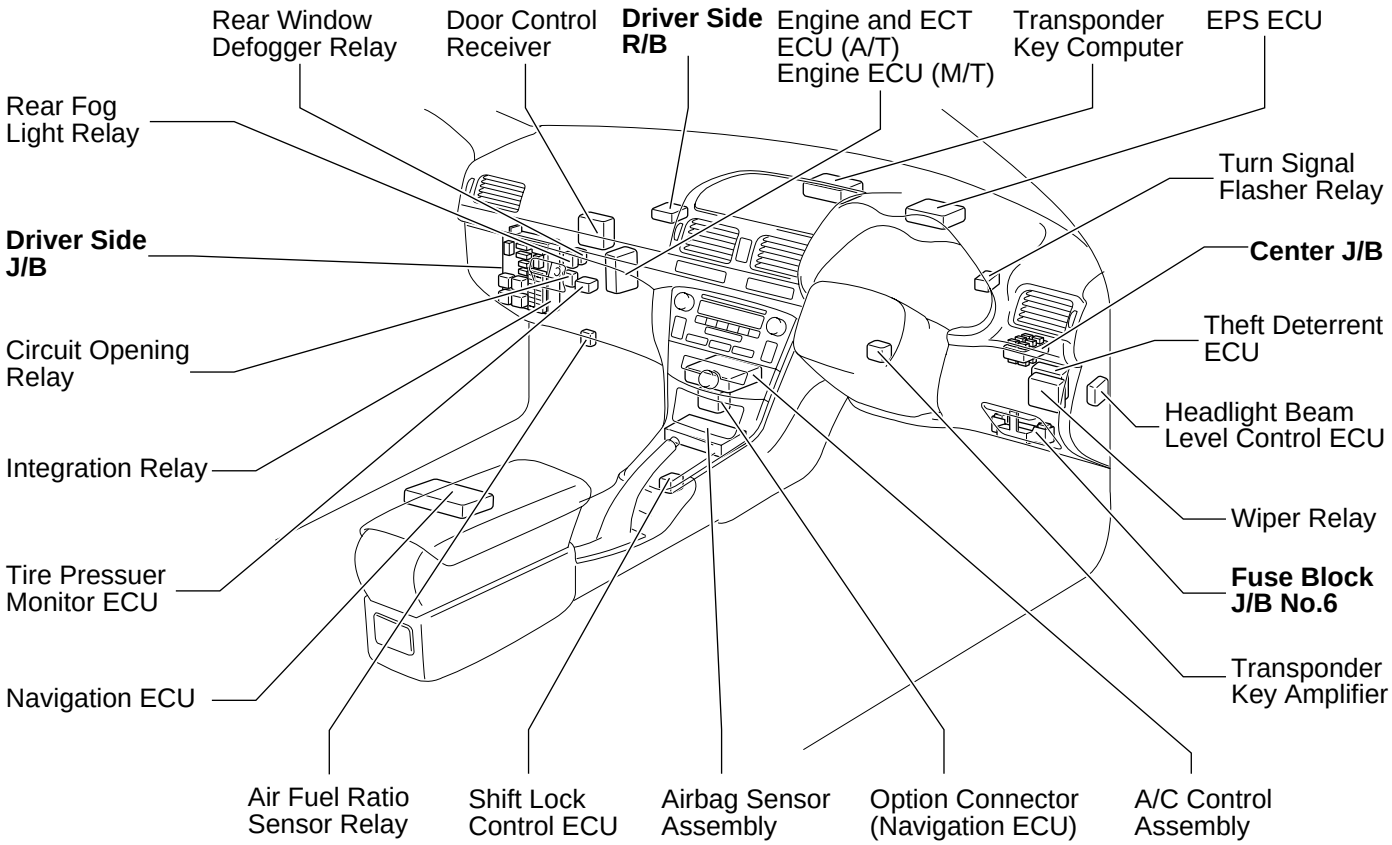
[Instrument Panel]
(LHD)



(RHD)



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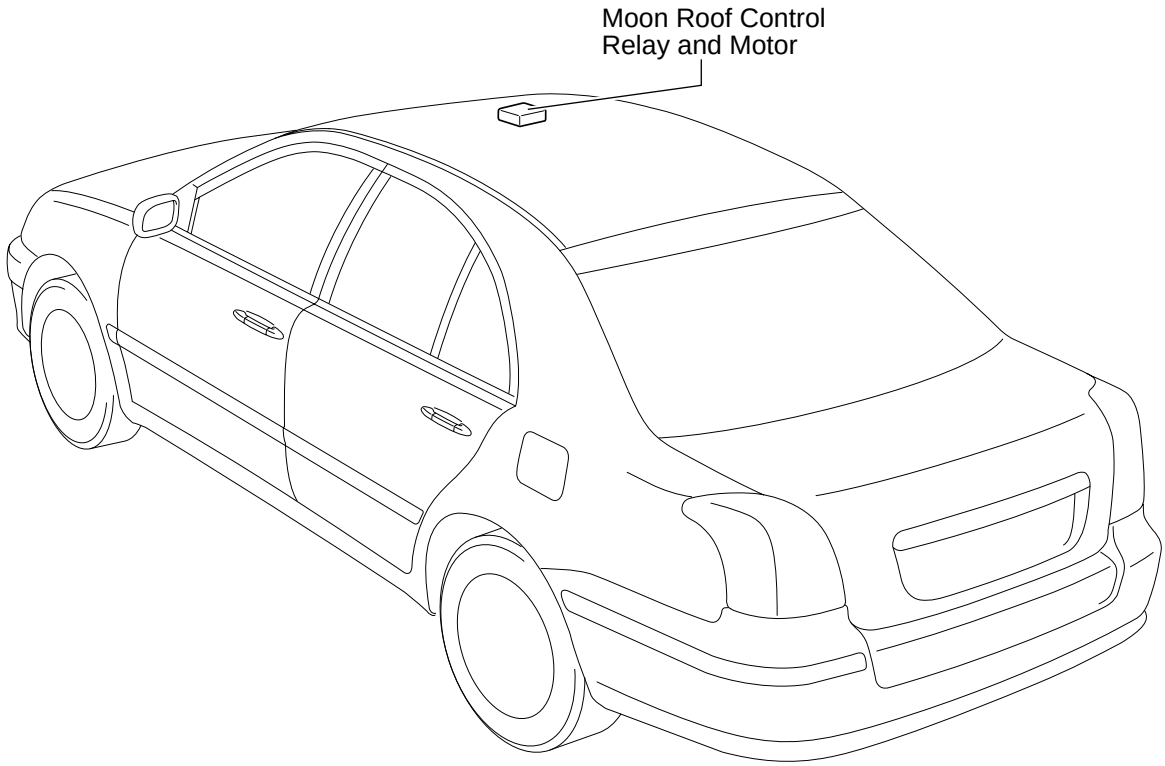
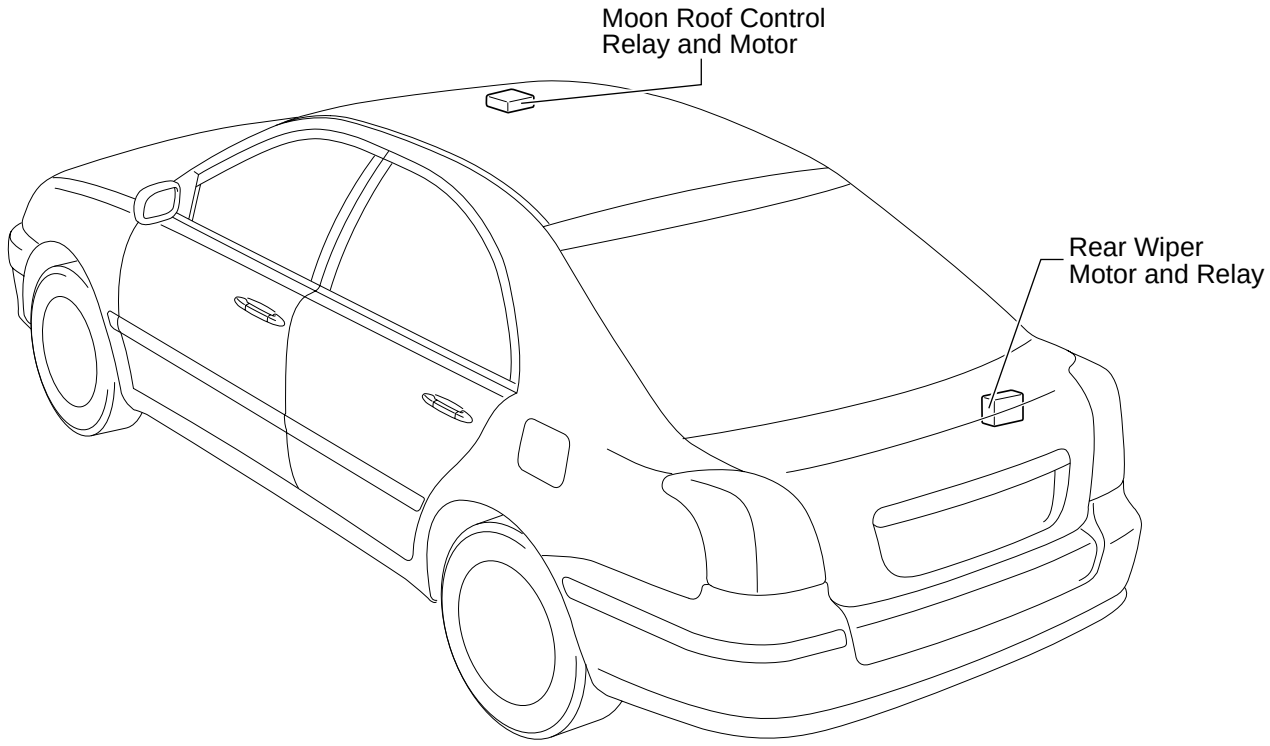
D RELAY LOCATIONS

[Body]
(S/D)



(L/B)



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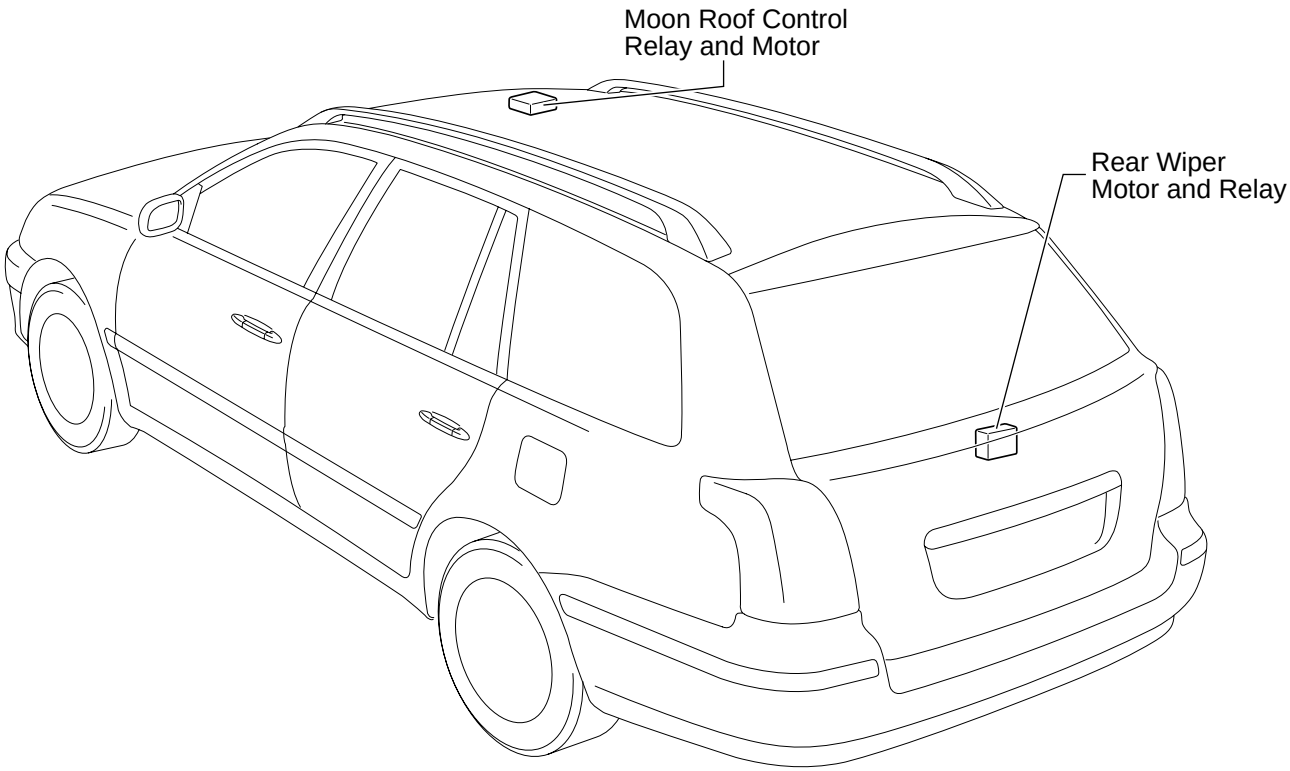
(W/G)



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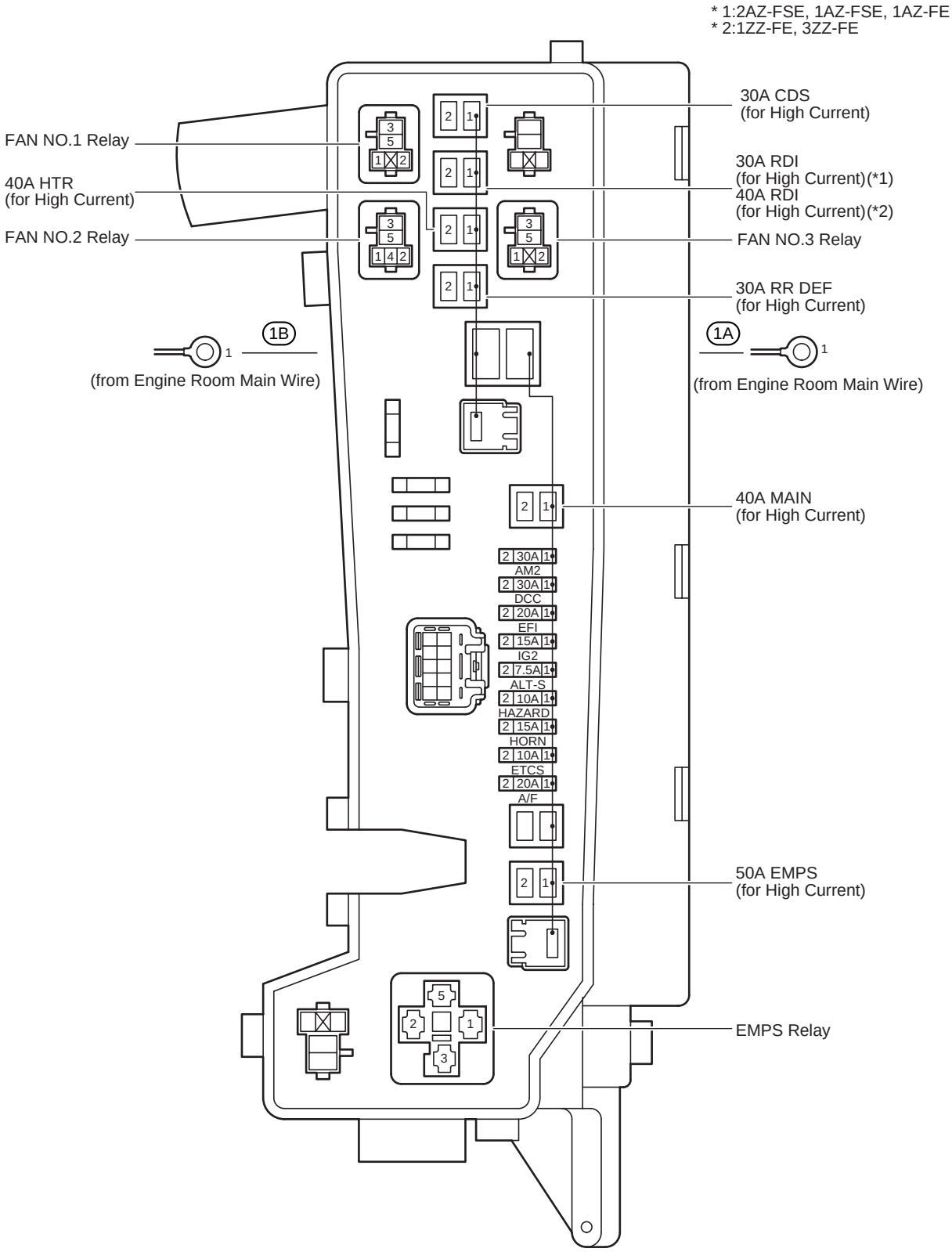
D RELAY LOCATIONS

① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 8)

(Gasoline)



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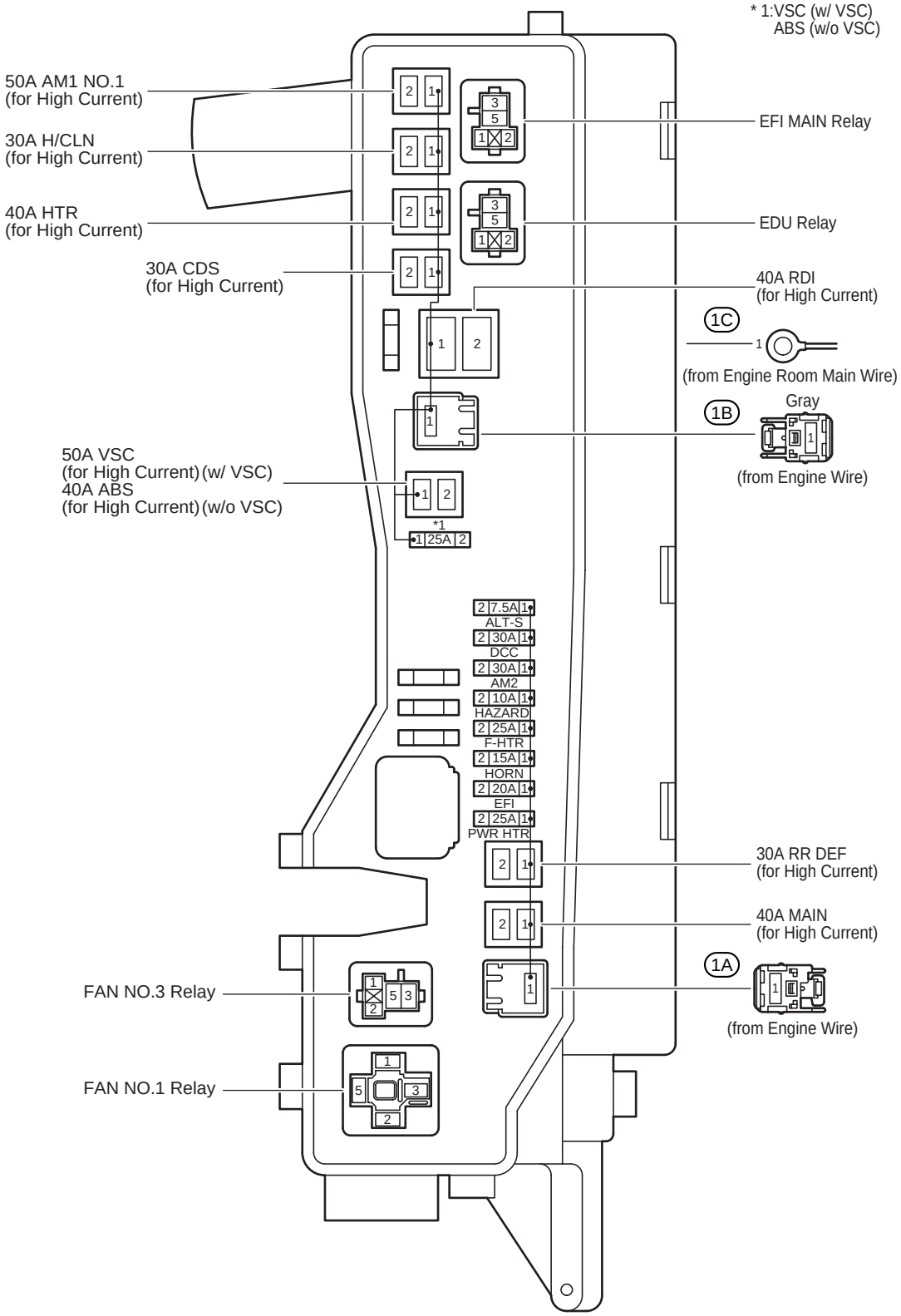
① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 8)

(Diesel)



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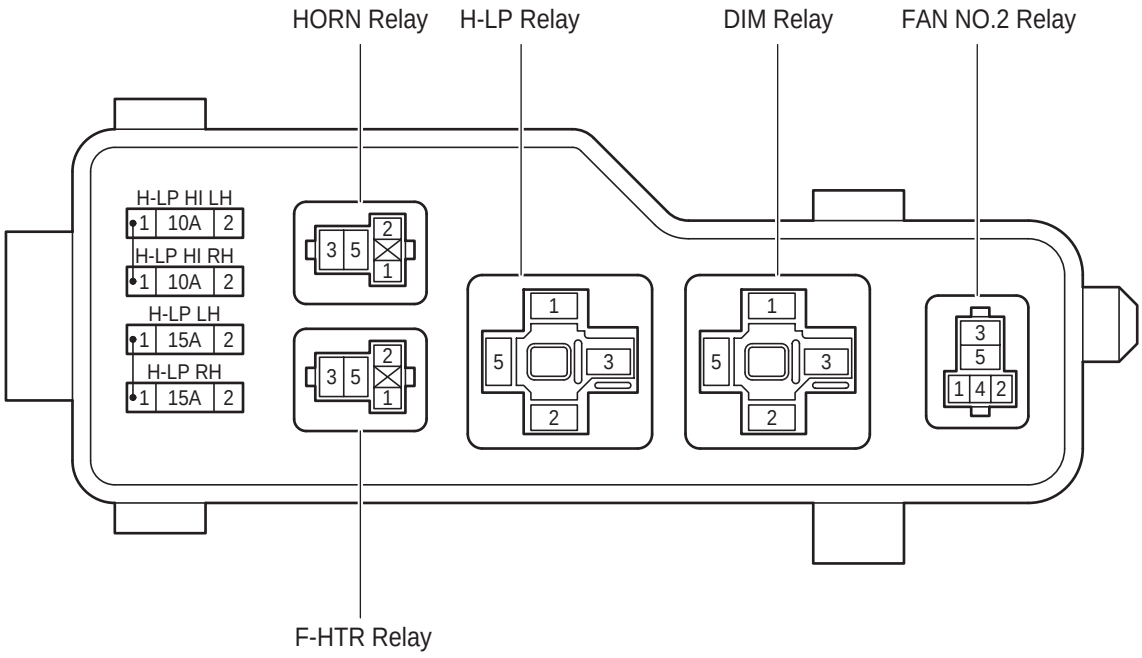
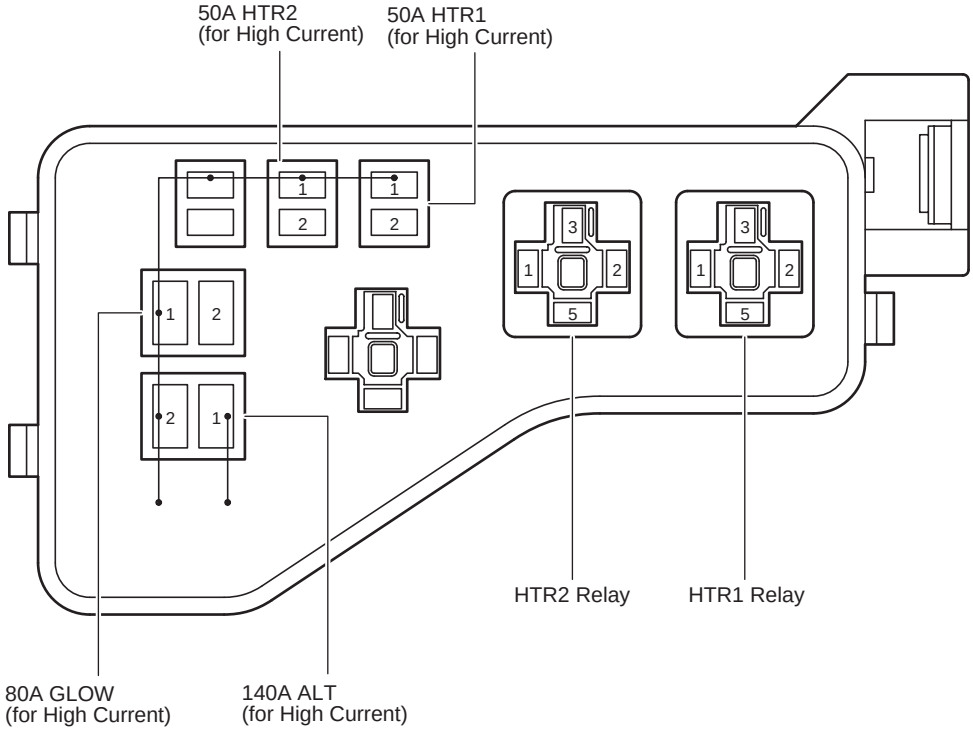
D RELAY LOCATIONS

② : Engine Room R/B No.2	Near the Radiator Fan (See Page 8)



③ : Engine Room R/B No.3	Left Side of the Suspension Tower (See Page 8)

(Diesel)



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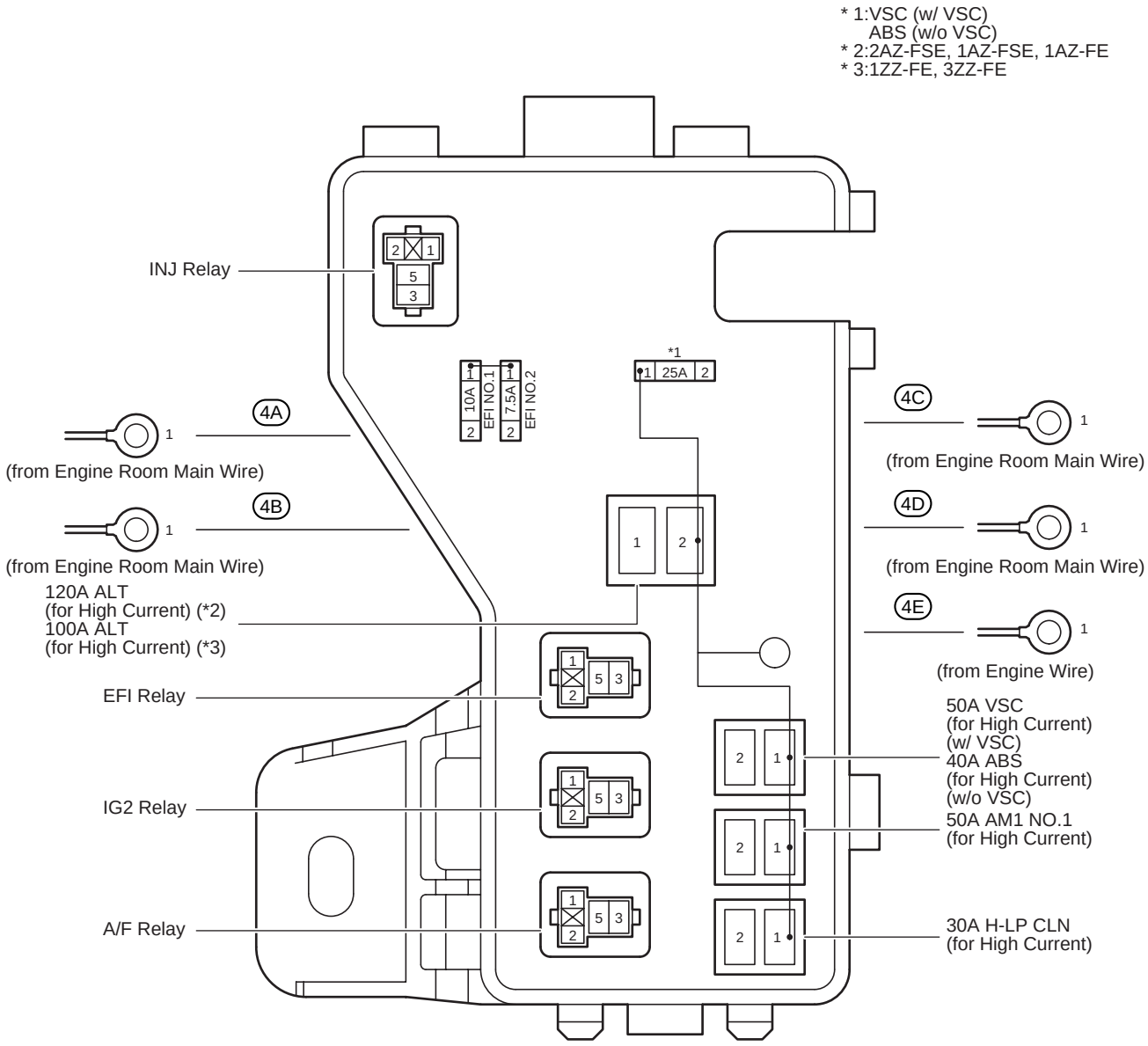
④ : Engine Room R/B No.4 ⬭ : Engine Room J/B No.4	Left Side of the Suspension Tower (See Page 8)

(Gasoline)



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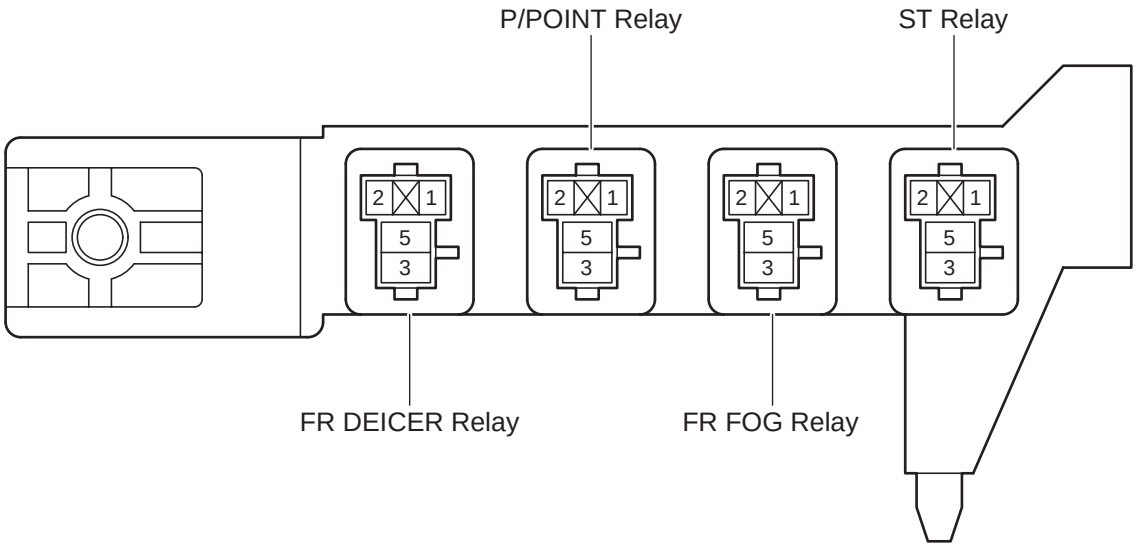
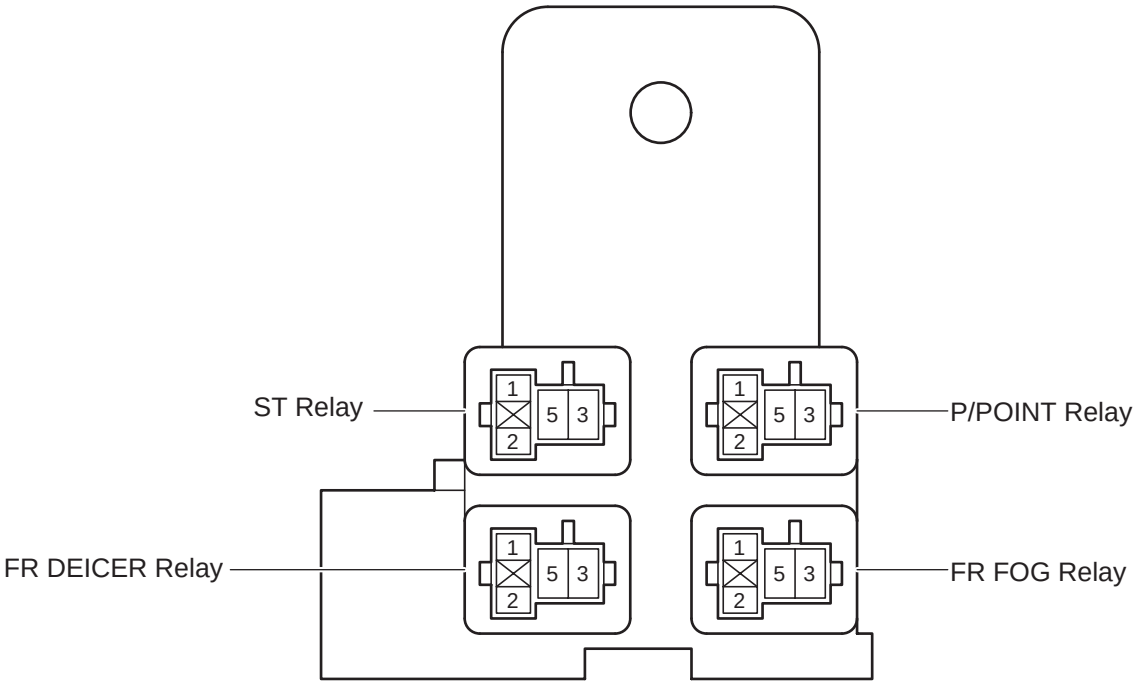
D RELAY LOCATIONS

(5) : Driver Side R/B	LHD : Left Side of the Instrument Panel (See Page 9)
	RHD : Instrument Panel Reinforcement LH (See Page 9)

(LHD)



(RHD)



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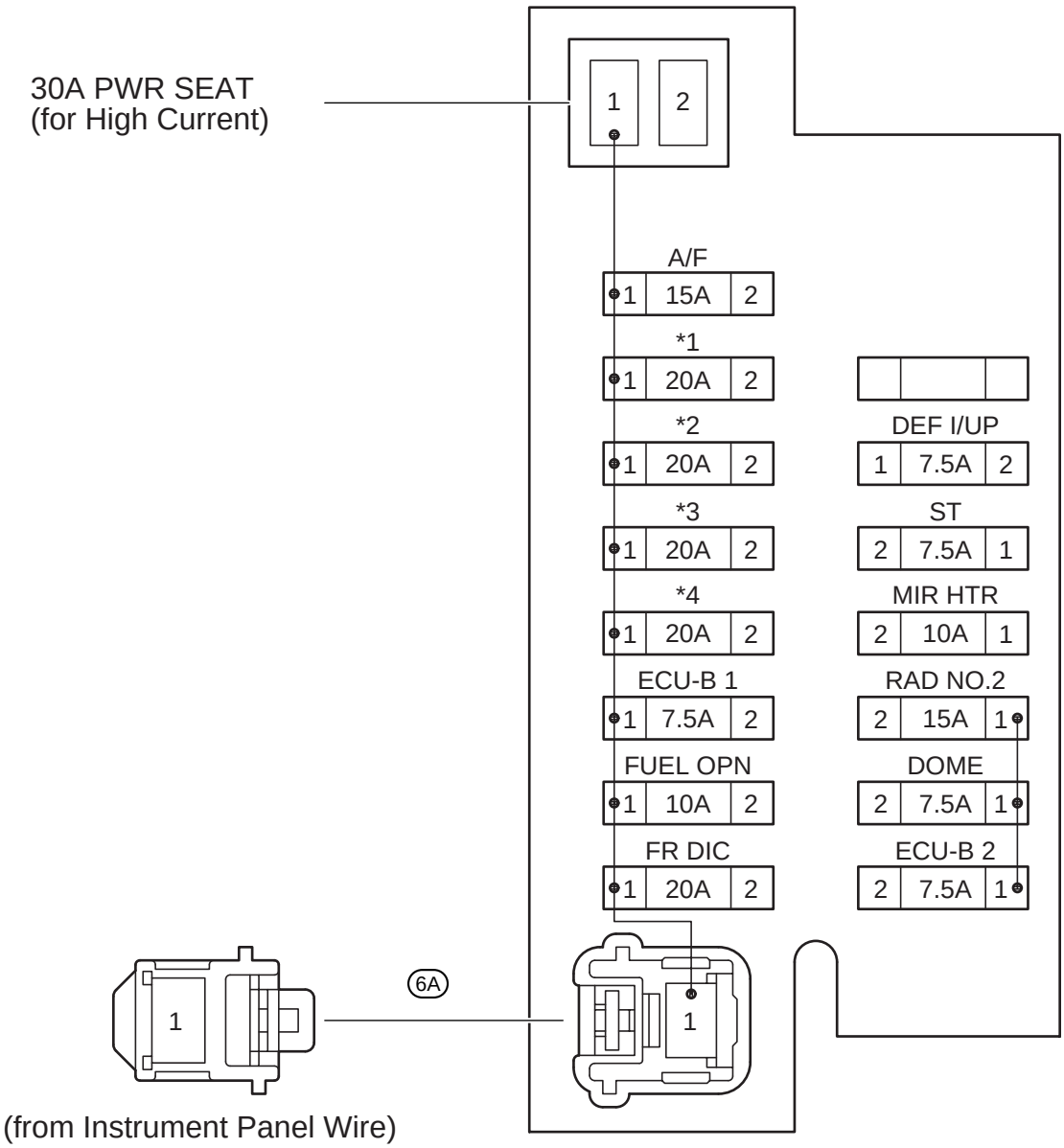
⑥ : Fuse Block ⬭ : J/B No.6	Lower Finish Panel (See Page 9)

* 1:P-RR P/W (LHD)
  D-RR P/W (RHD)
* 2:P-FR P/W (LHD)
  D-FR P/W (RHD)
* 3:D-RR P/W (LHD)
  P-RR P/W (RHD)
* 4:D-FR P/W (LHD)
  P-FR P/W (RHD)



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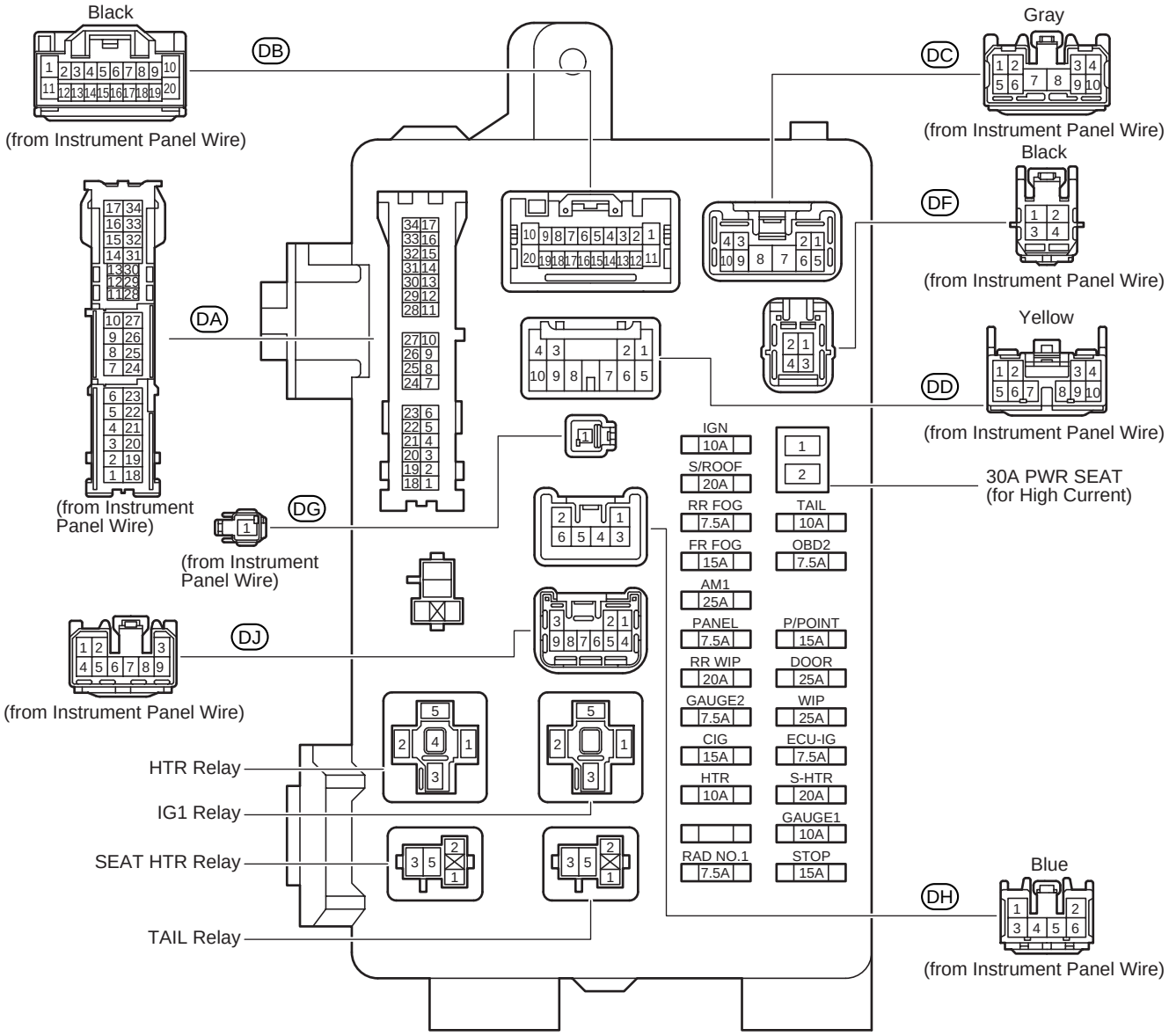
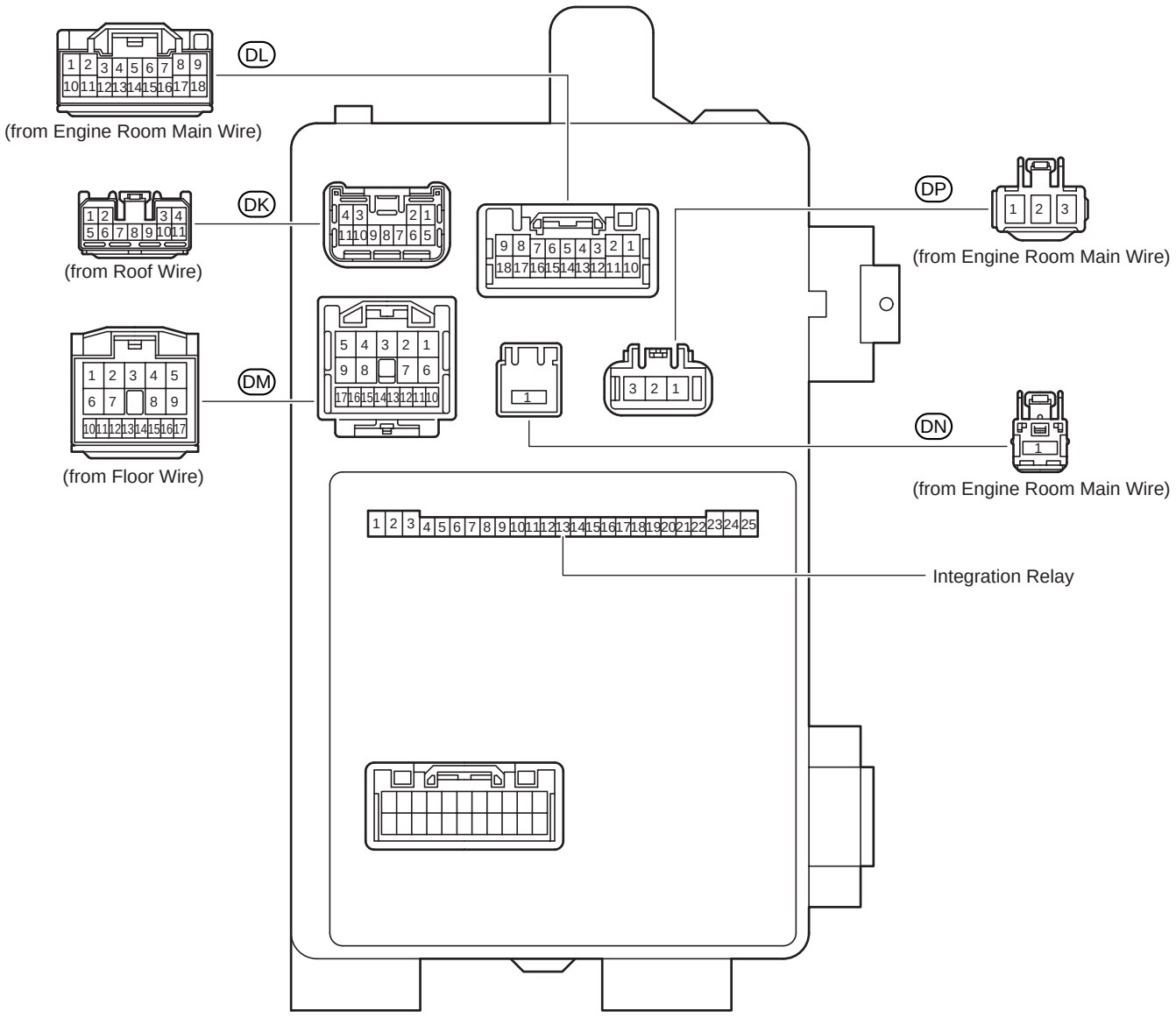
D RELAY LOCATIONS

: Driver Side J/B	Left Side of the Instrument Panel (See Page 9)



http://vnx.su


DL
(from Engine Room Main Wire)
DK
(from Roof Wire)
DM
(from Floor Wire)
DP
(from Engine Room Main Wire)
DN
(from Engine Room Main Wire)
Integration Relay

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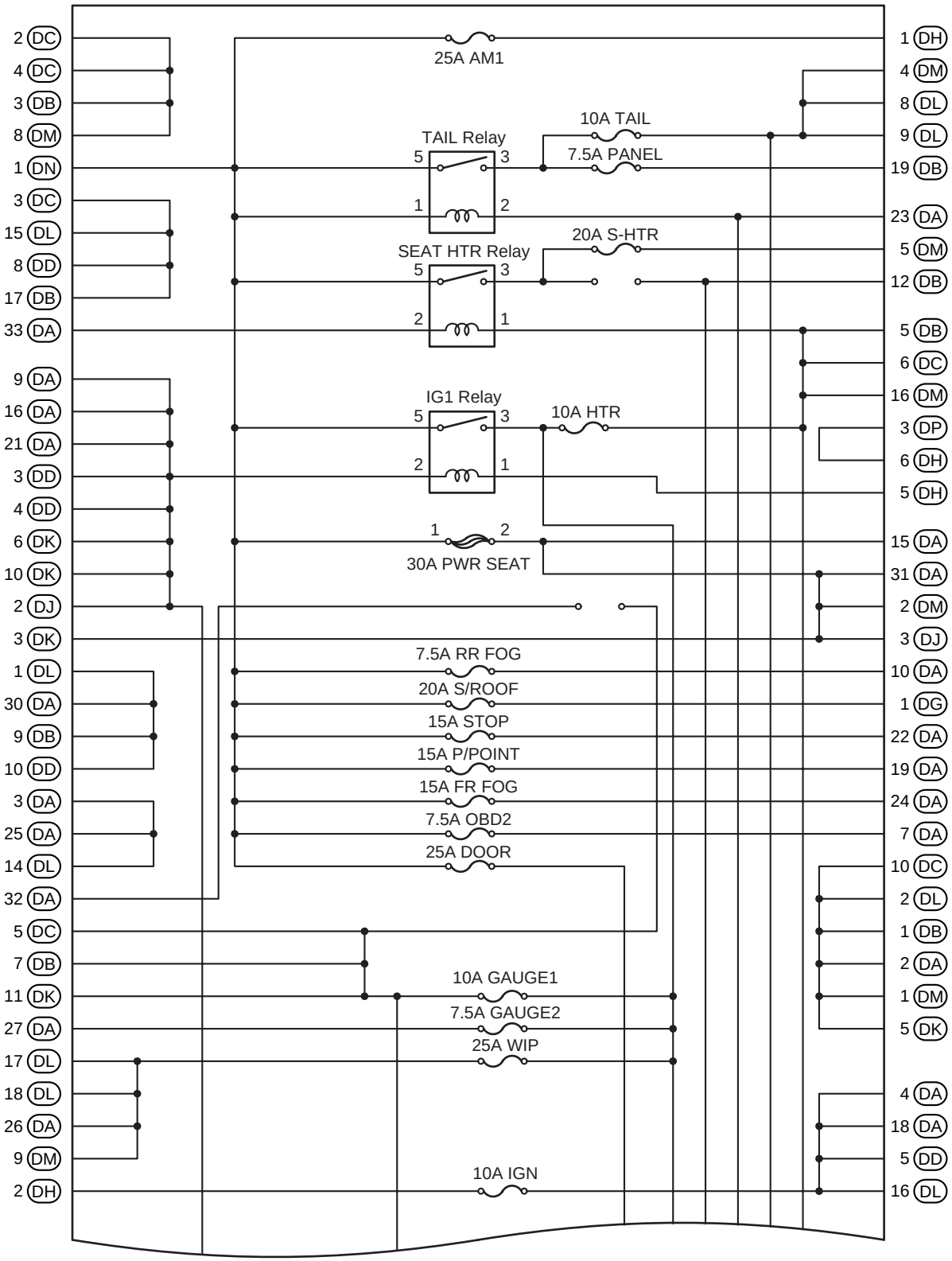
[Driver Side J/B Inner Circuit]



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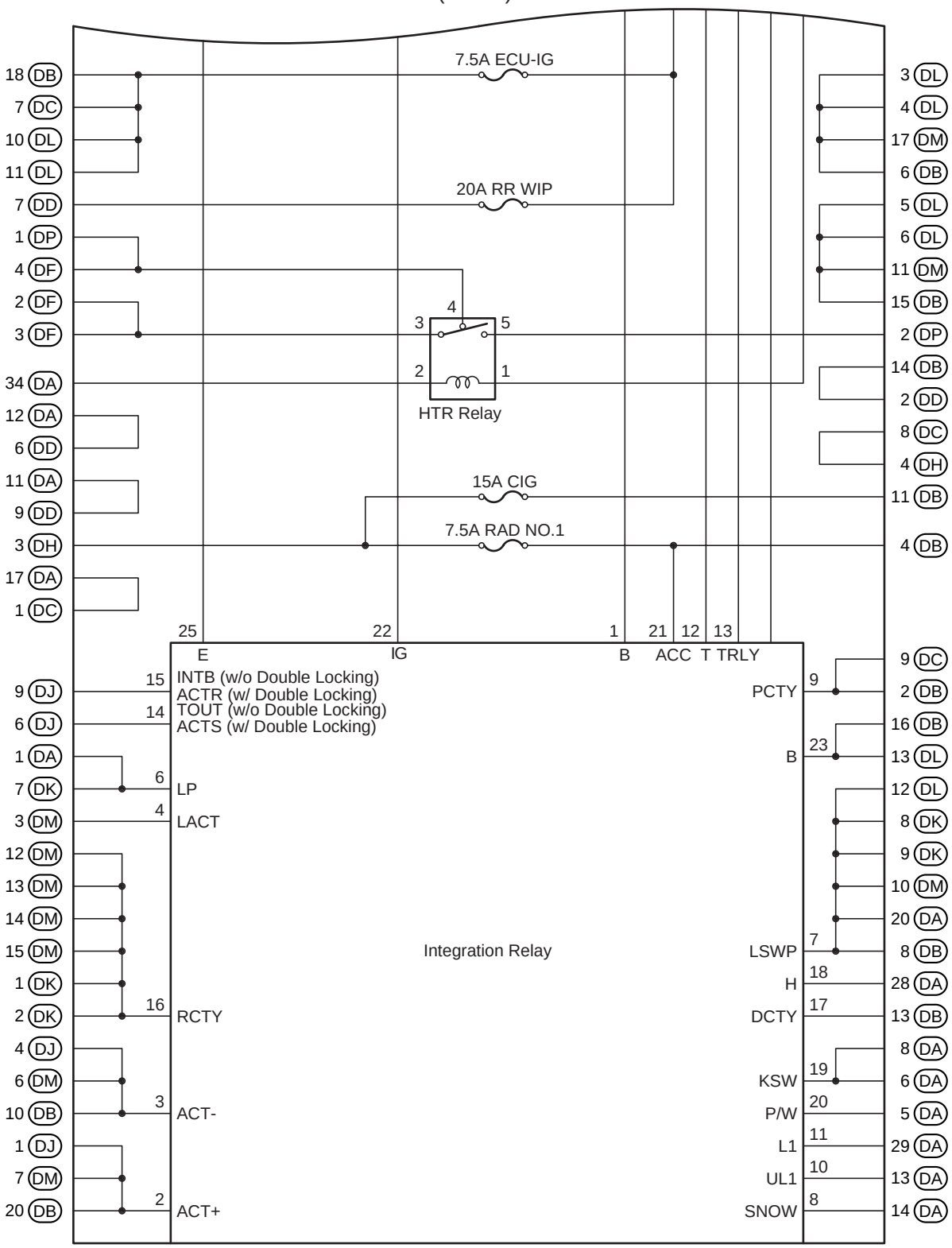

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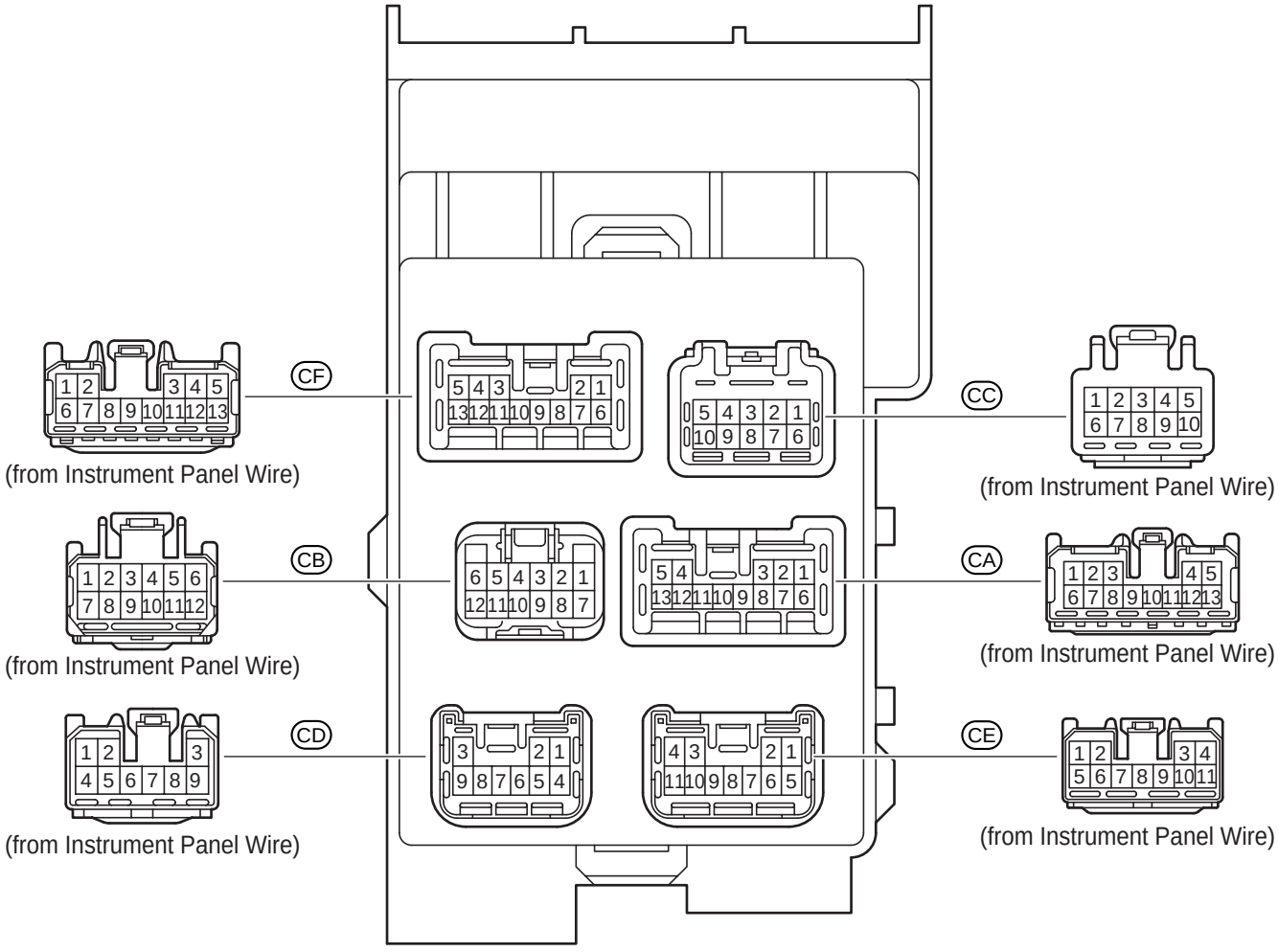
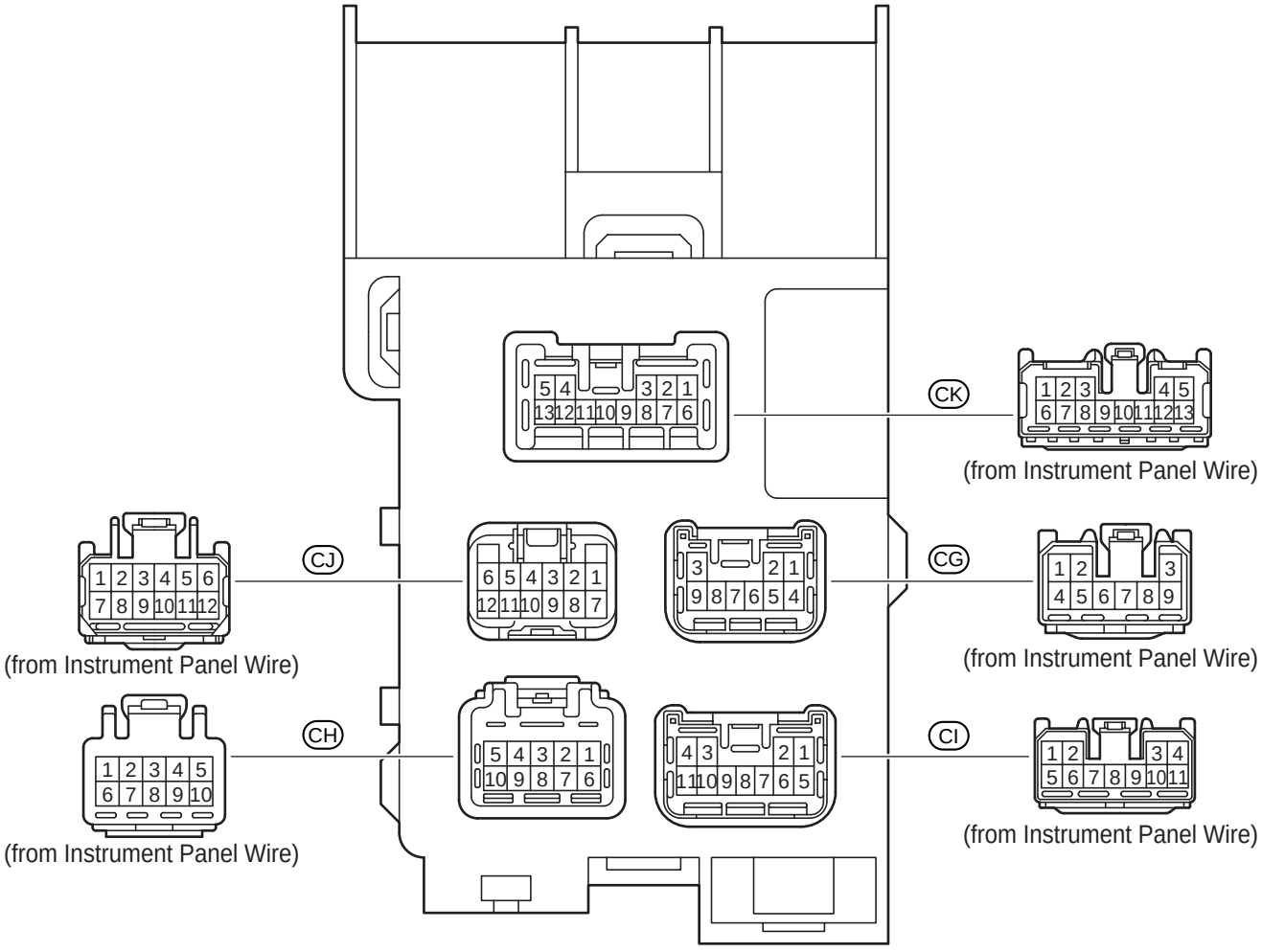
D RELAY LOCATIONS

: Center J/B	Instrument Panel Reinforcement RH (See Page 9)



http://vnx.su


CK
(from Instrument Panel Wire)
CJ
(from Instrument Panel Wire)
CG
(from Instrument Panel Wire)
CH
(from Instrument Panel Wire)
CI
(from Instrument Panel Wire)

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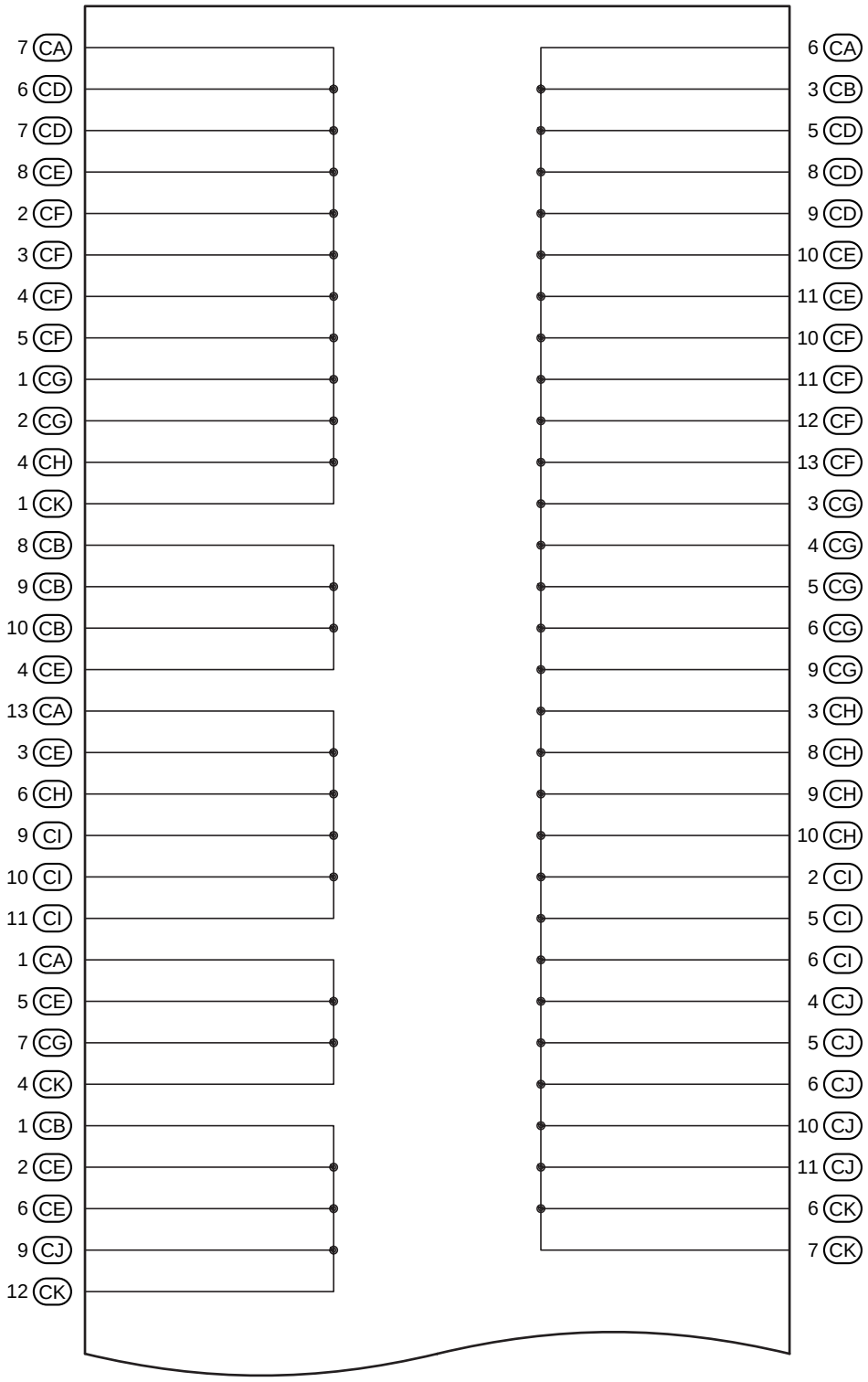
[Center J/B Inner Circuit]



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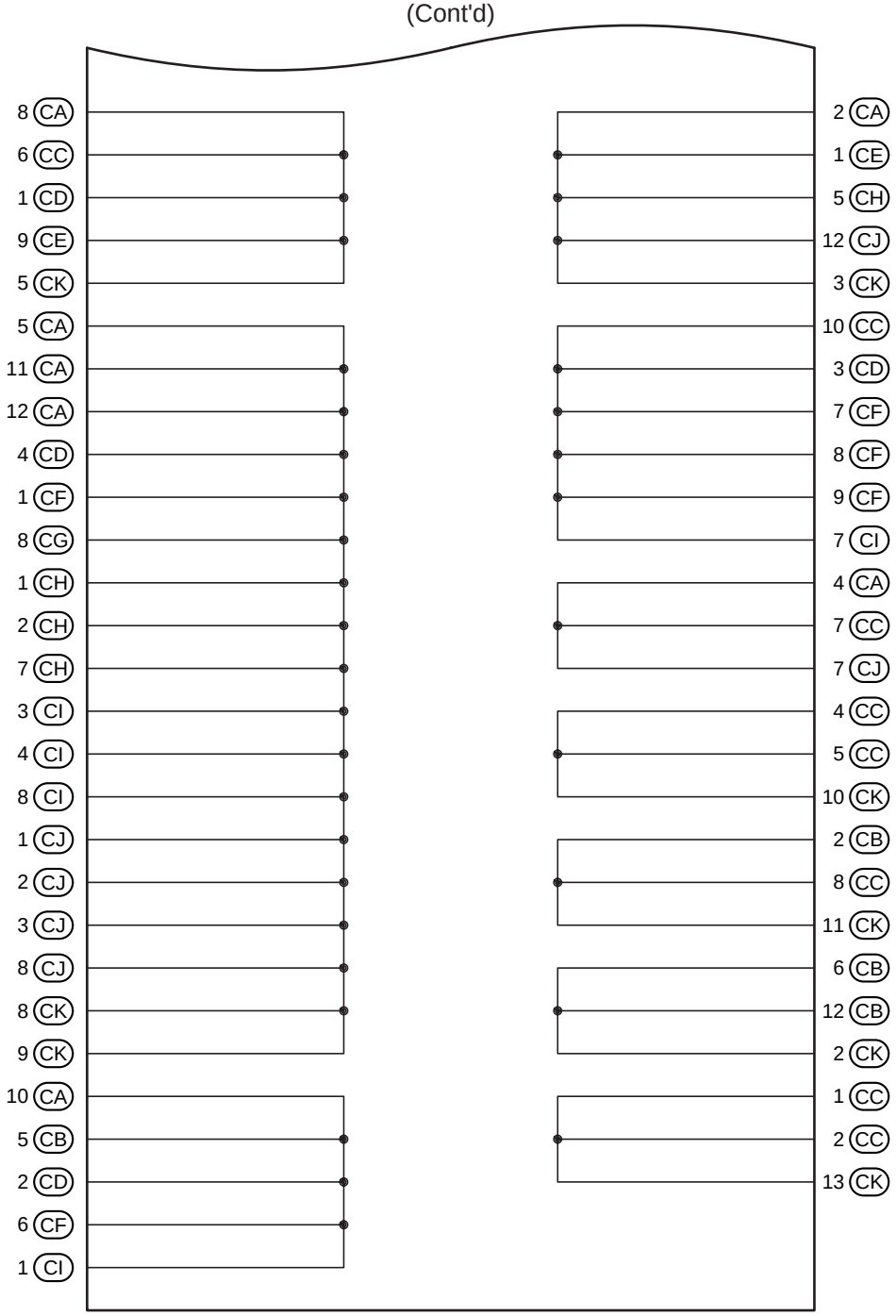
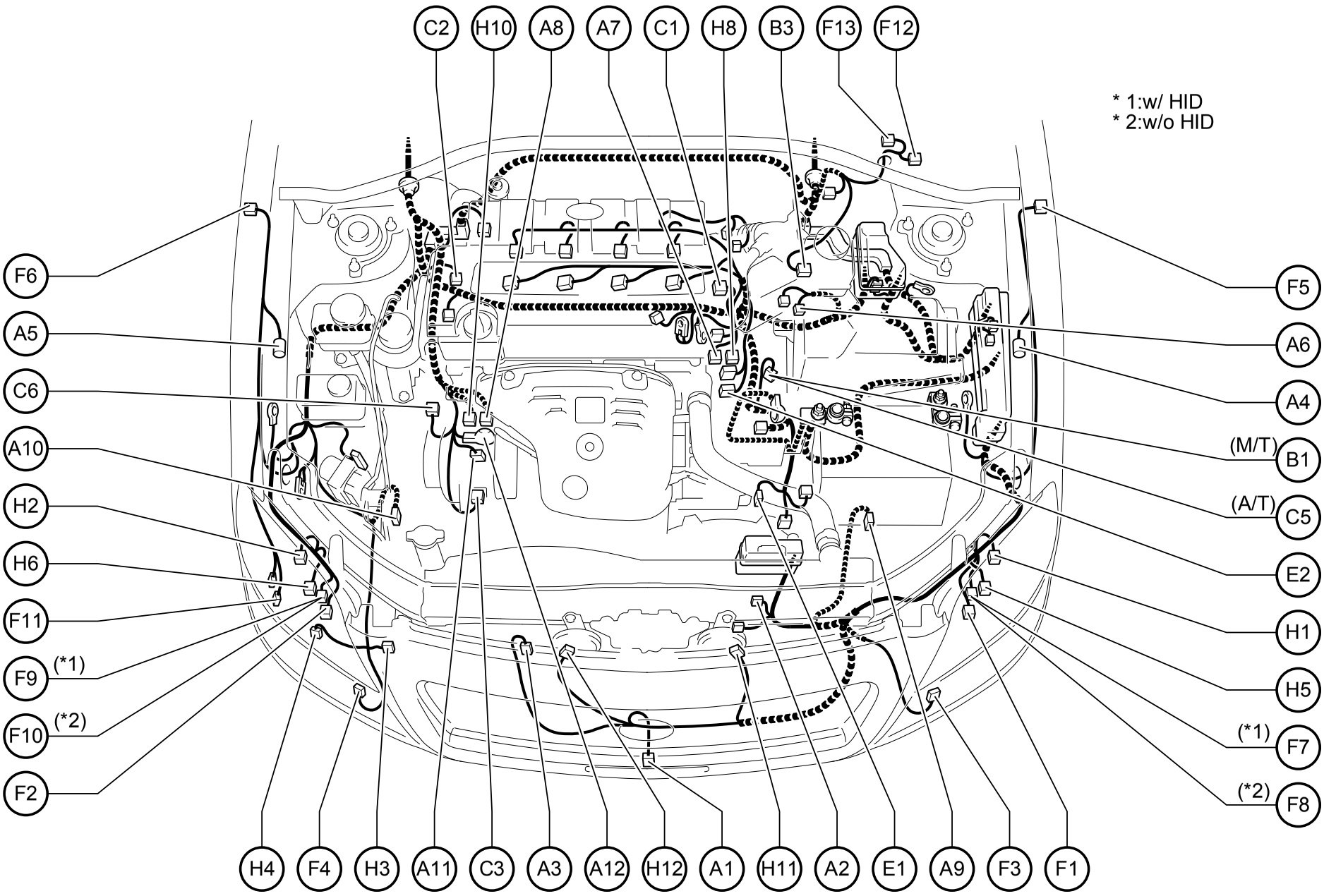


http://vnx.su


C2
H10
A8
A7
C1
H8
B3
F13
F12
* 1:w/ HID
* 2:w/o HID
F6
A5
C6
A10
H2
H6
F11
F9 (*1)
F10 (*2)
F2
F5
A6
A4
(M/T) B1
(A/T) C5
E2
H1
H5
(*1) F7
(*2) F8
H4
F4
H3
A11
C3
A3
A12
H12
A1
H11
A2
E1
A9
F3
F1

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A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 7 Air Fuel Ratio Sensor (Bank 1 Sensor 1)
A 8 Air Fuel Ratio Sensor (Bank 2 Sensor 1)
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

E 1 ECT Solenoid (2AZ-FSE)
E 1 ECT Solenoid (Except 2AZ-FSE)
E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H 11 Horn LH
H 12 Horn RH

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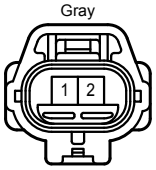
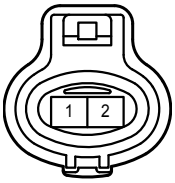
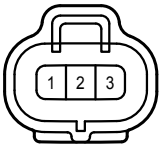
A 1
Gray



A 2
Black



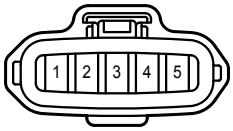
A 3
Black



A 4

A 5

A 6
Black



A 7
Gray

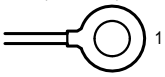
A 8
Gray

A 9
Yellow

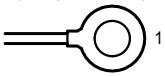
A 10
Yellow

A 11
Black

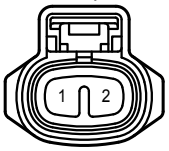
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)



B 1
Gray

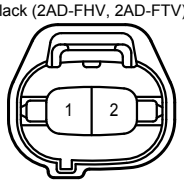


B 3
Black

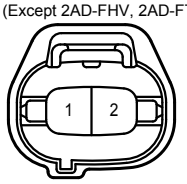
C 1
Black

C 2
Black

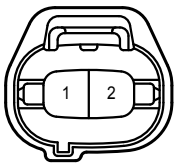
C 3
Black (2AD-FHV, 2AD-FTV)



C 3
Gray (Except 2AD-FHV, 2AD-FTV)



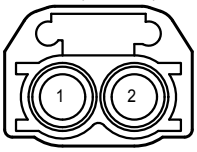
C 5
Black



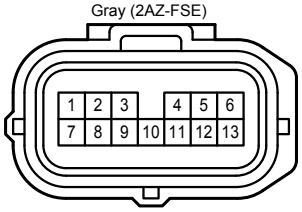
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

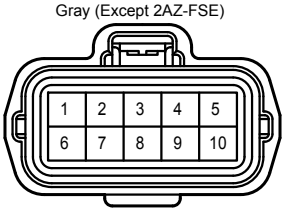
C 6
Black (1CD-FTV)



E 1
Gray (2AZ-FSE)



E 1
Gray (Except 2AZ-FSE)



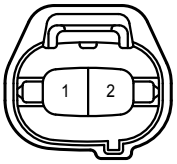
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

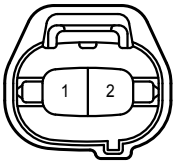
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

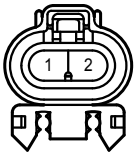
F 1
Black



F 2
Black



F 3
Brown



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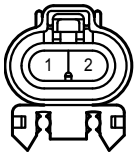
F 4
Brown



F 5
Gray

F 6
Gray

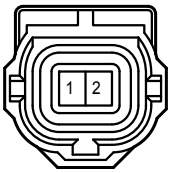
F 7

F 8

F 9

F 10

F 11
Black



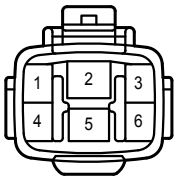
F 12
Black

F 13
Gray

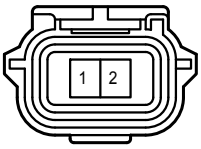
H 1
Gray

H 2
Gray

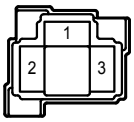
H 3
Black



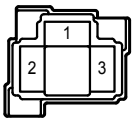
H 4
Black



H 5



H 6



H 8
Black

H 10
Black

H 11
Black

H 12
Black

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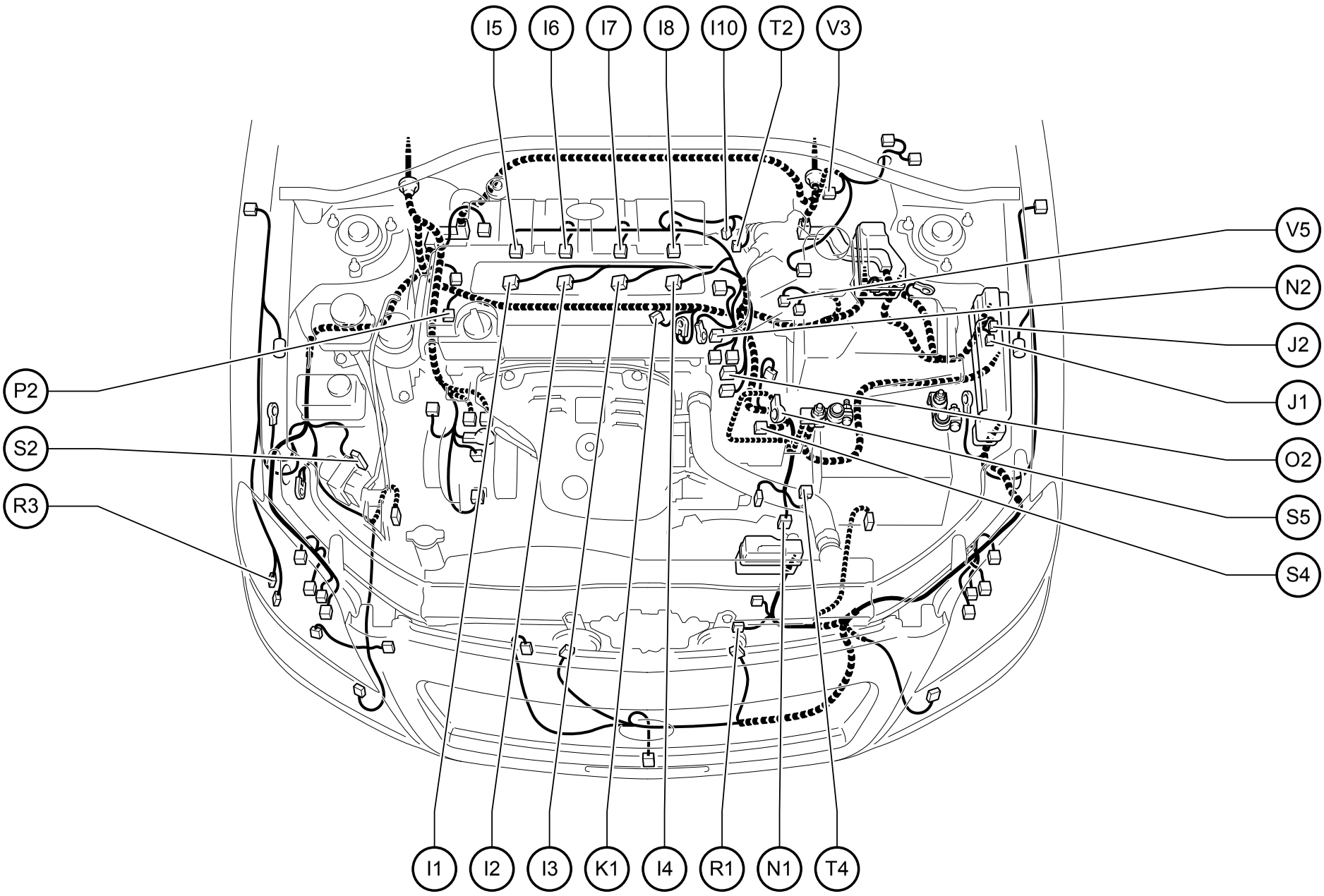
I5
I6
I7
I8
I10
T2
V3
V5
N2
J2
J1
O2
S5
S4
P2
S2
R3
I1
I2
I3
K1
I4
R1
N1
T4

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I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor (Bank 1)

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 3 Variable Resistor
V 5 VSV (EVAP)

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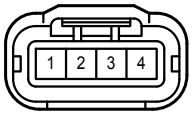
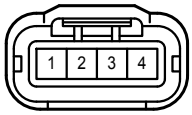
I 1
Black



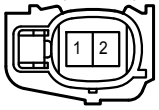
I 2
Gray

I 3
Black

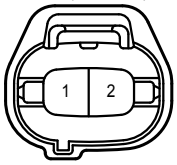


I 4
Gray

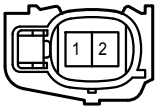
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

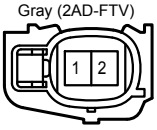


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

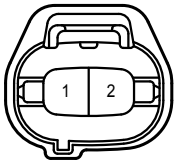


I 5
Black (2AZ-FSE, 1AZ-FSE)

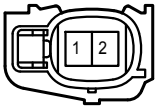
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

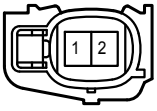


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

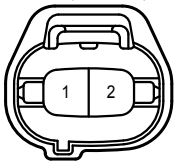


I 6
Gray (2AZ-FSE, 1AZ-FSE)

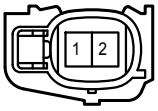
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

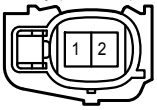


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

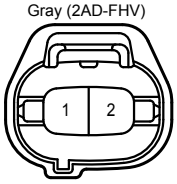


I 7
Black (2AZ-FSE, 1AZ-FSE)

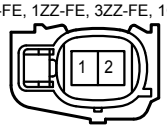
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)



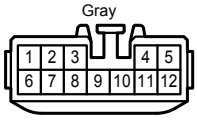
I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



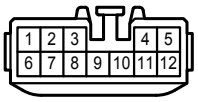
I 8
Gray (2AZ-FSE, 1AZ-FSE)

I 10
Black

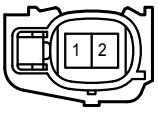
J 1
Gray



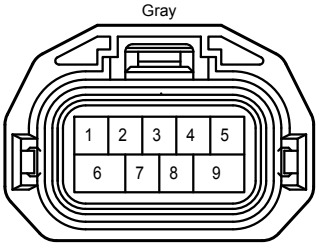
J 2
Black



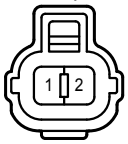
K 1
Black



N 1
Gray



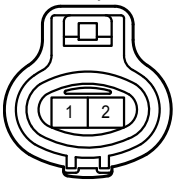
N 2
Gray



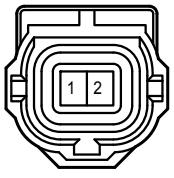
O 2
Gray

P 2
Black

R 1
Gray



R 3
Red



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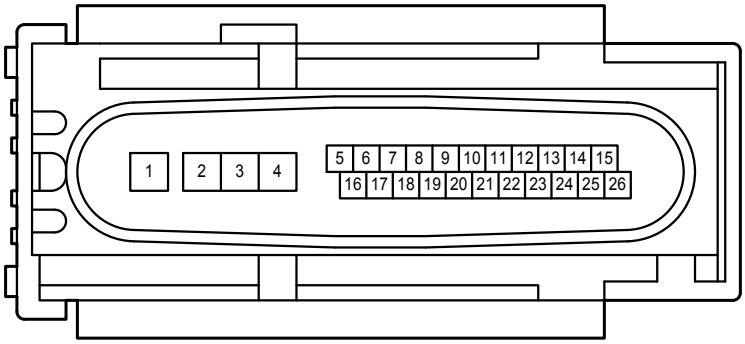
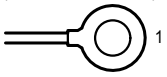
S 2
Black

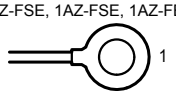


S 4
Black

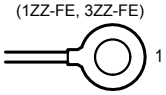
S 5
(2AD-FHV, 2AD-FTV)



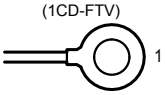
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)

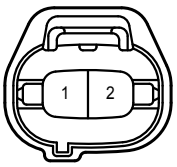


S 5
(1CD-FTV)



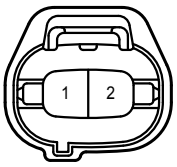
T 2
Black

T 4
Black



V 3
Black

V 5
Blue



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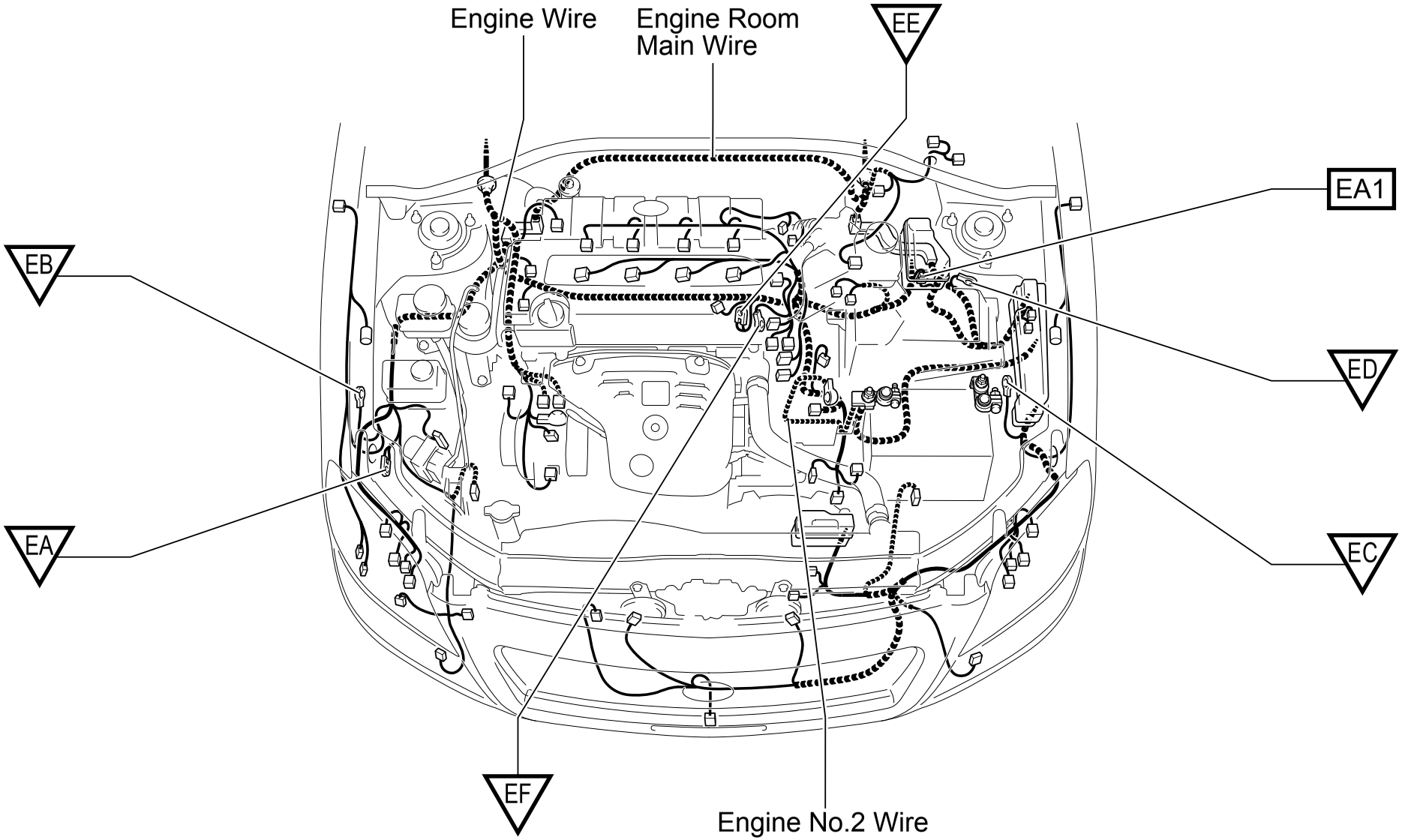
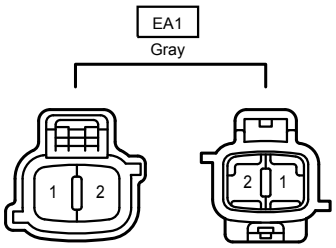
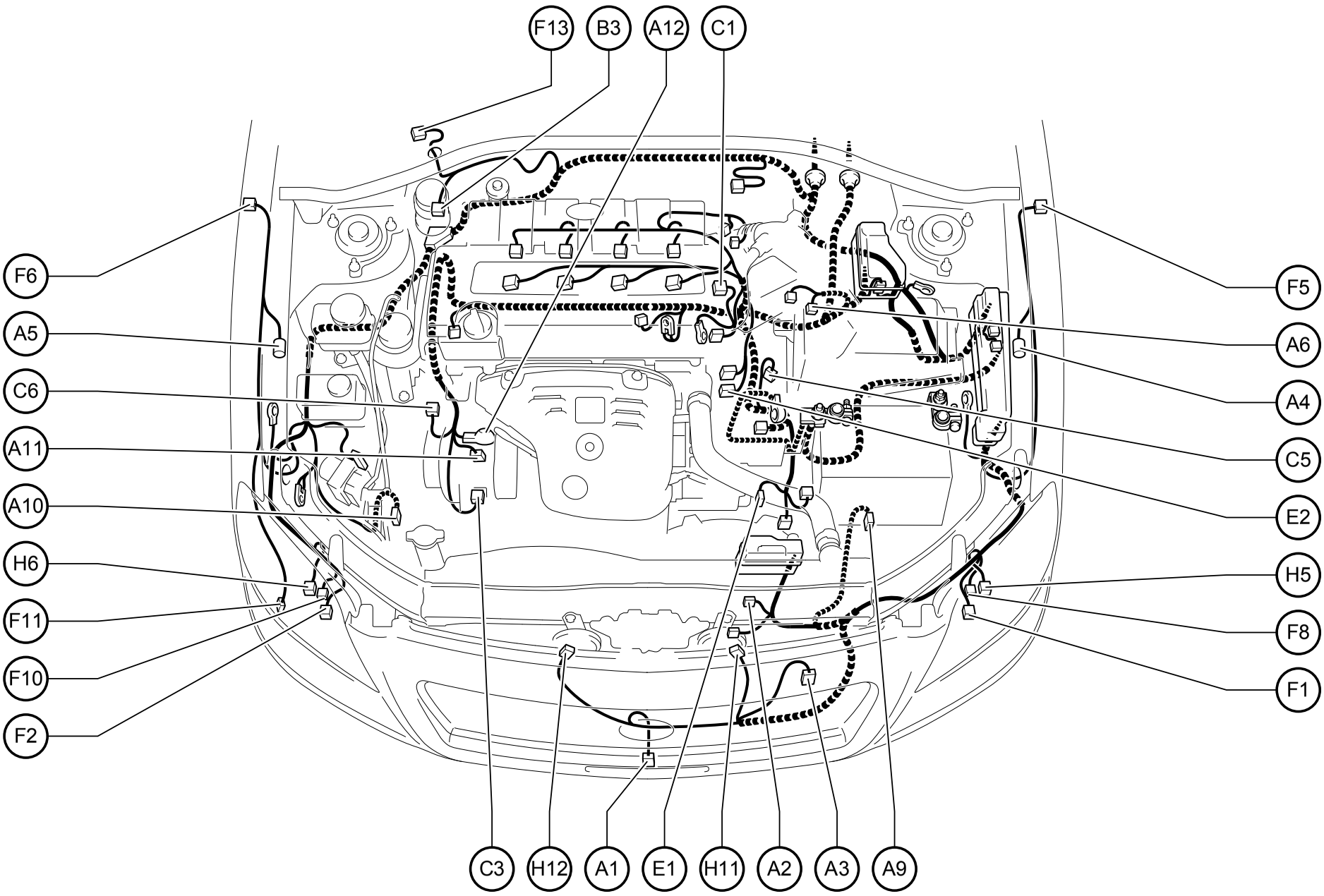

Engine Wire
Engine Room
Main Wire
EE
EA1
EB
ED
EA
EC
EF
Engine No.2 Wire

http://vnx.su



http://vnx.su


F13
B3
A12
C1
F6
A5
C6
A11
A10
H6
F11
F10
F2
F5
A6
A4
C5
E2
H5
F8
F1
C3
H12
A1
E1
H11
A2
A3
A9

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A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

E 1 ECT Solenoid (2AZ-FSE)
E 1 ECT Solenoid (Except 2AZ-FSE)
E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor

H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

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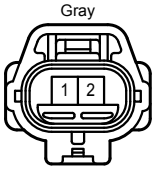
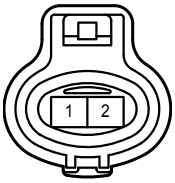
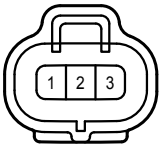
A 1
Gray



A 2
Black



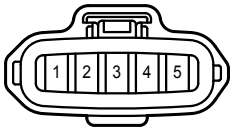
A 3
Black



A 4

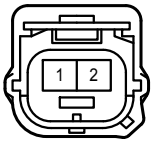
A 5

A 6
Black



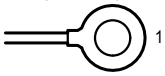
A 9
Yellow

A 10
Yellow

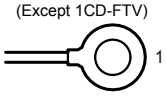


A 11
Black

A 12
(1CD-FTV)



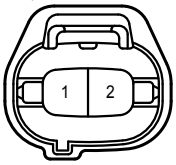
A 12
(Except 1CD-FTV)



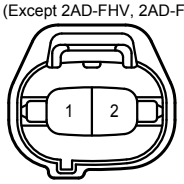
B 3
Black

C 1
Black

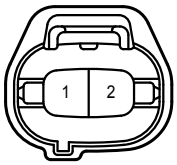
C 3
Black (2AD-FHV, 2AD-FTV)



C 3
Gray (Except 2AD-FHV, 2AD-FTV)



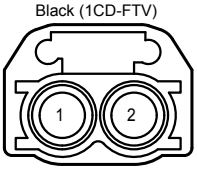
C 5
Black



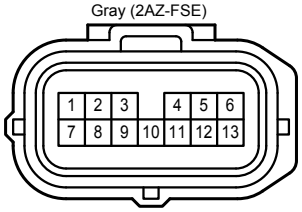
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

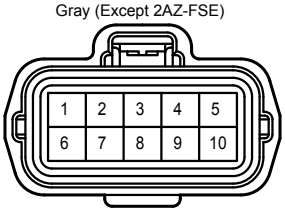
C 6
Black (1CD-FTV)



E 1
Gray (2AZ-FSE)



E 1
Gray (Except 2AZ-FSE)



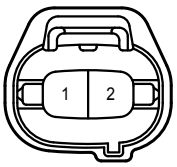
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

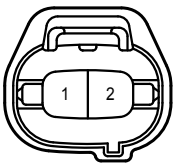
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

F 1
Black



F 2
Black



F 5
Gray

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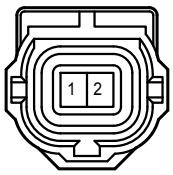
F 6
Gray

F 8

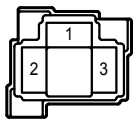
F 10

F 11
Black

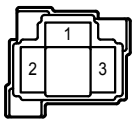


F 13
Gray

H 5



H 6



H 11
Black

H 12
Black

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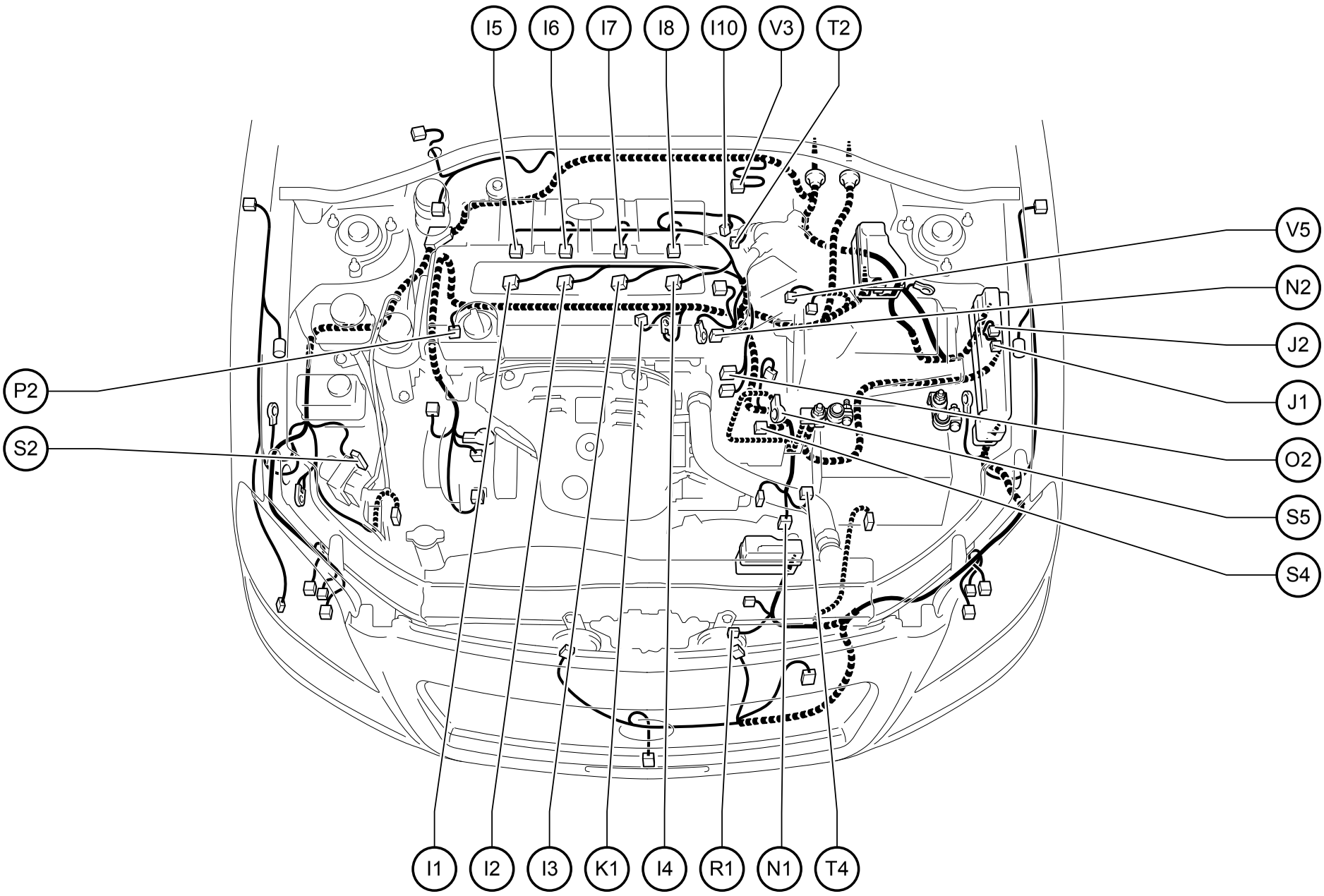

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I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor (Bank 1)

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor

S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 3 Variable Resistor
V 5 VSV (EVAP)

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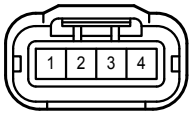
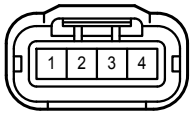
I 1
Black



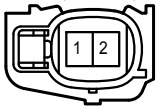
I 2
Gray

I 3
Black

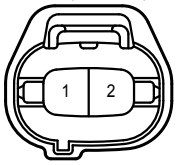


I 4
Gray

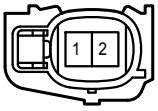
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

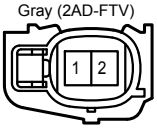


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

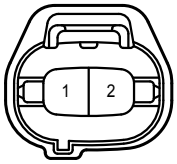


I 5
Black (2AZ-FSE, 1AZ-FSE)

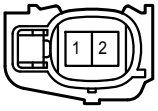
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

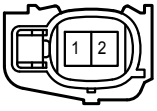


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

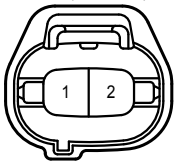


I 6
Gray (2AZ-FSE, 1AZ-FSE)

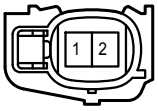
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

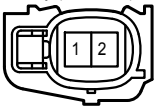


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

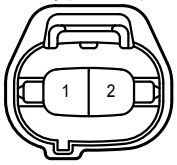


I 7
Black (2AZ-FSE, 1AZ-FSE)

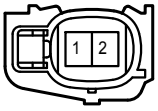
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)



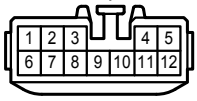
I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



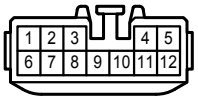
I 8
Gray (2AZ-FSE, 1AZ-FSE)

I 10
Black

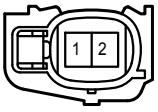
J 1
Gray



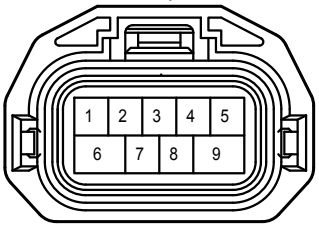
J 2
Black



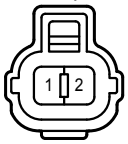
K 1
Black



N 1
Gray



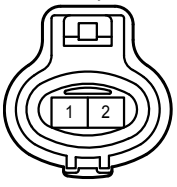
N 2
Gray



O 2
Gray

P 2
Black

R 1
Gray



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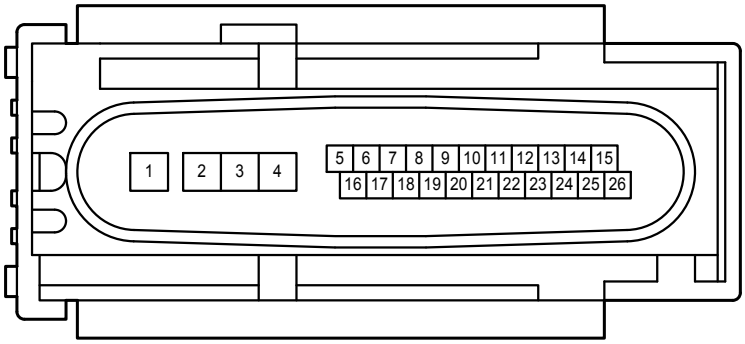
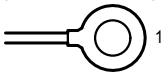
S 2
Black

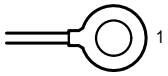


S 4
Black

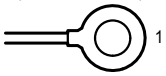
S 5
(2AD-FHV, 2AD-FTV)



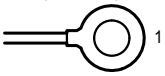
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)

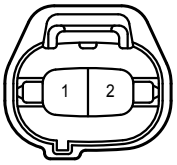


S 5
(1CD-FTV)



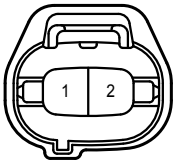
T 2
Black

T 4
Black



V 3
Black

V 5
Blue



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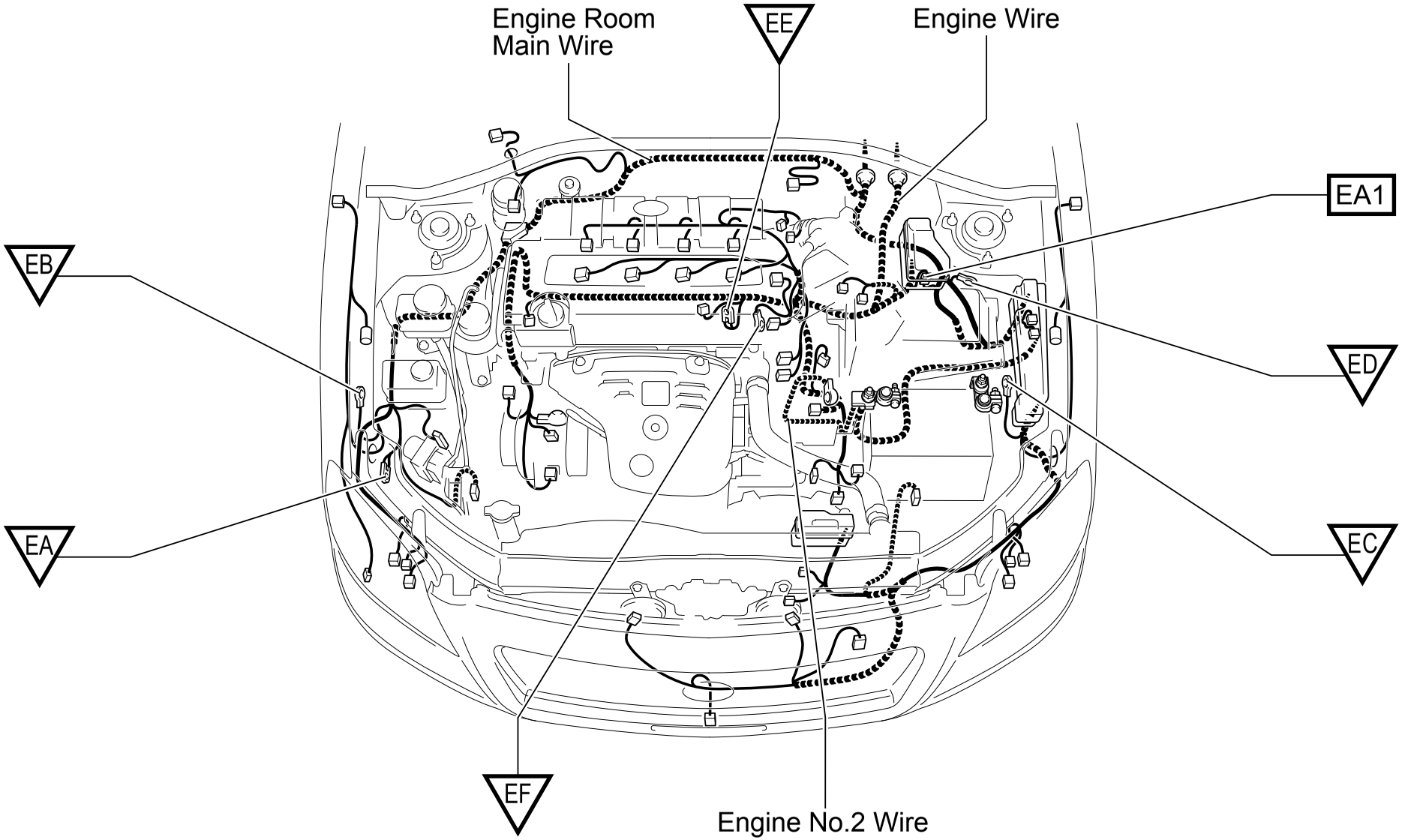
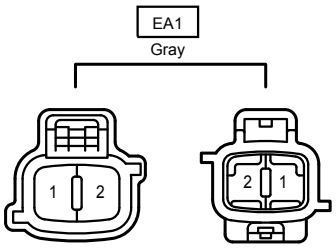

Engine Room
Main Wire
EE
Engine Wire
EA1
EB
ED
EA
EC
EF
Engine No.2 Wire

http://vnx.su



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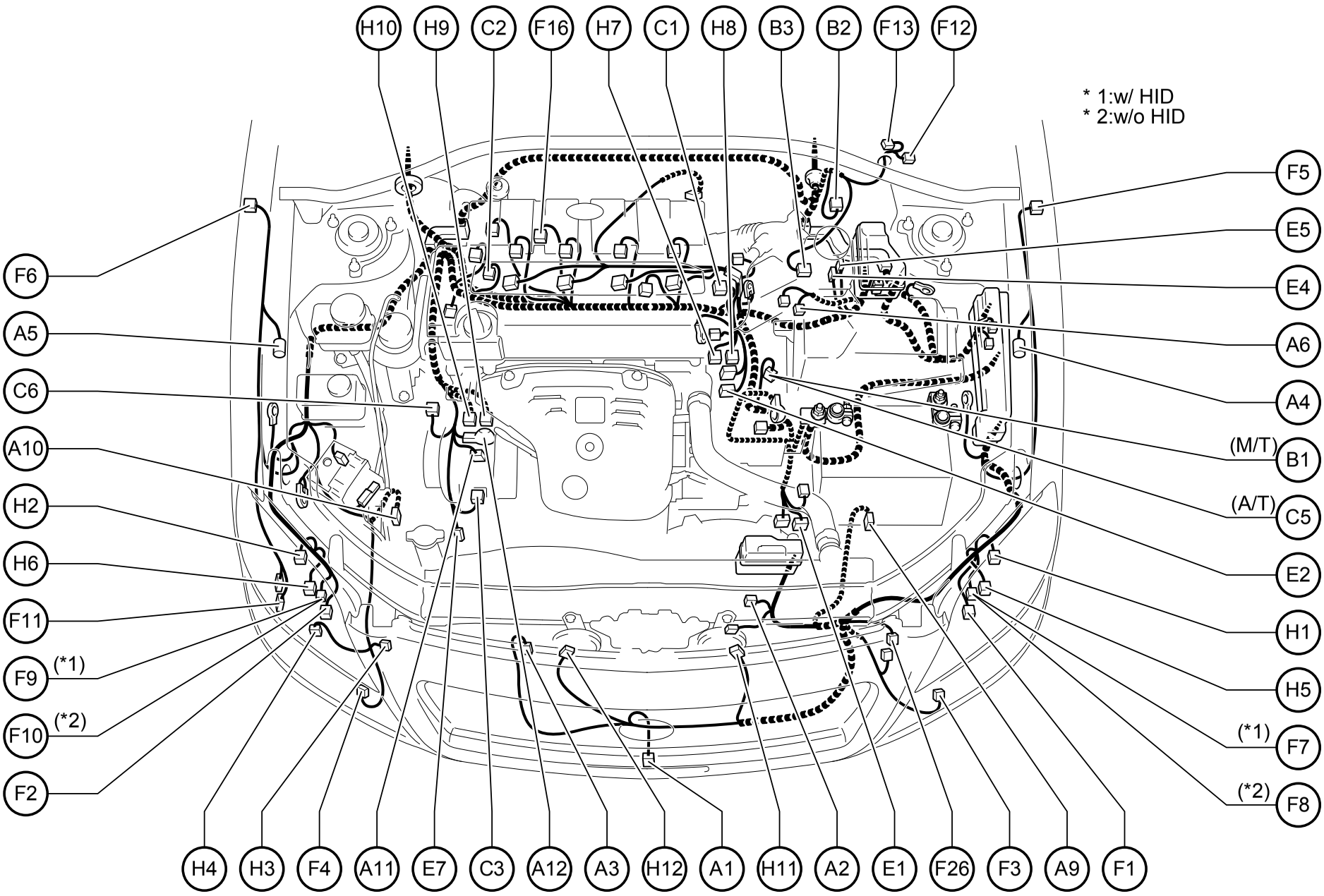
H10
H9
C2
F16
H7
C1
H8
B3
B2
F13
F12
* 1:w/ HID
* 2:w/o HID
F5
E5
E4
A6
A4
(M/T)
B1
(A/T)
C5
E2
H1
H5
(*1)
F7
(*2)
F8
F6
A5
C6
A10
H2
H6
F11
(*1)
F9
(*2)
F10
F2
H4
H3
F4
A11
E7
C3
A12
A3
H12
A1
H11
A2
E1
F26
F3
A9
F1

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A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit (1CD-FTV, 2AD-FTV)
E 5 Electronic Driver Unit (2AZ-FSE, 1AZ-FSE)
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor
F 16 Fuel Pressure Sensor (1CD-FTV, 2AD-FHV)
F 16 Fuel Pressure Sensor (2AZ-FSE, 1AZ-FSE)
F 26 Fuel Pump Resistor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ-FE, 3ZZ-FE)

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H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (2AZ-FSE, 1AZ-FSE)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H 10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H 11 Horn LH
H 12 Horn RH

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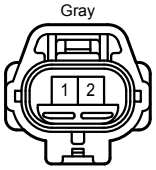
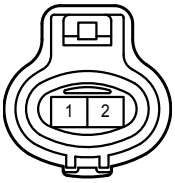
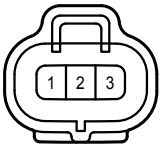
A 1
Gray



A 2
Black



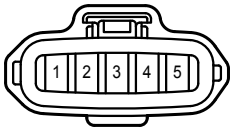
A 3
Black



A 4

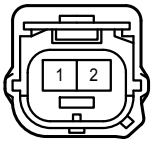
A 5

A 6
Black



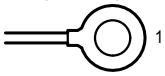
A 9
Yellow

A 10
Yellow

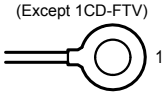


A 11
Black

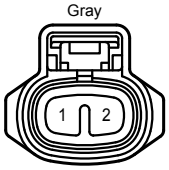
A 12
(1CD-FTV)



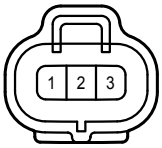
A 12
(Except 1CD-FTV)



B 1
Gray



B 2
Black

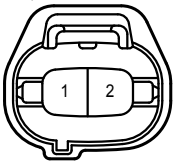


B 3
Black

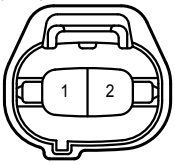
C 1
Black

C 2
Black

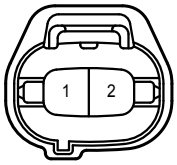
C 3
Black (2AD-FHV, 2AD-FTV)



C 3
Gray (Except 2AD-FHV, 2AD-FTV)



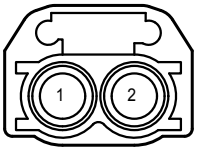
C 5
Black



C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



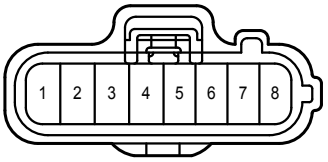
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

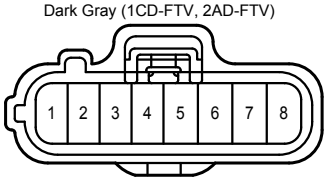
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

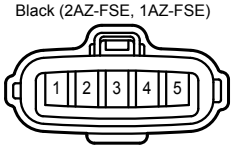
E 4
Black



E 5
Dark Gray (1CD-FTV, 2AD-FTV)



E 5
Black (2AZ-FSE, 1AZ-FSE)



E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

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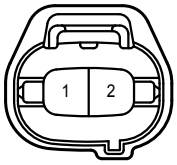
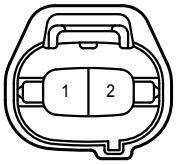
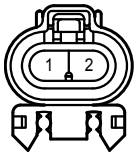
F 1
Black



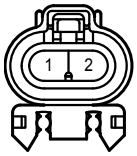
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

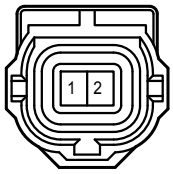
F 7

F 8

F 9

F 10

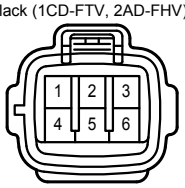
F 11
Black



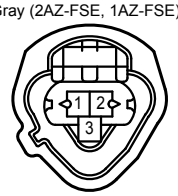
F 12
Black

F 13
Gray

F 16
Black (1CD-FTV, 2AD-FHV)



F 16
Gray (2AZ-FSE, 1AZ-FSE)

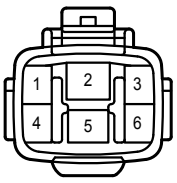


F 26
Dark Gray

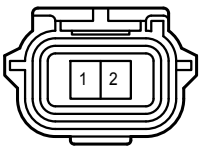
H 1
Gray

H 2
Gray

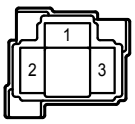
H 3
Black



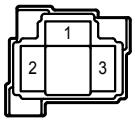
H 4
Black



H 5



H 6



H 7
Gray (1ZZ-FE, 3ZZ-FE)

H 7
Gray (2AZ-FSE, 1AZ-FSE)

H 8
Black

H 9
Gray

H 10
Black

H 11
Black

H 12
Black

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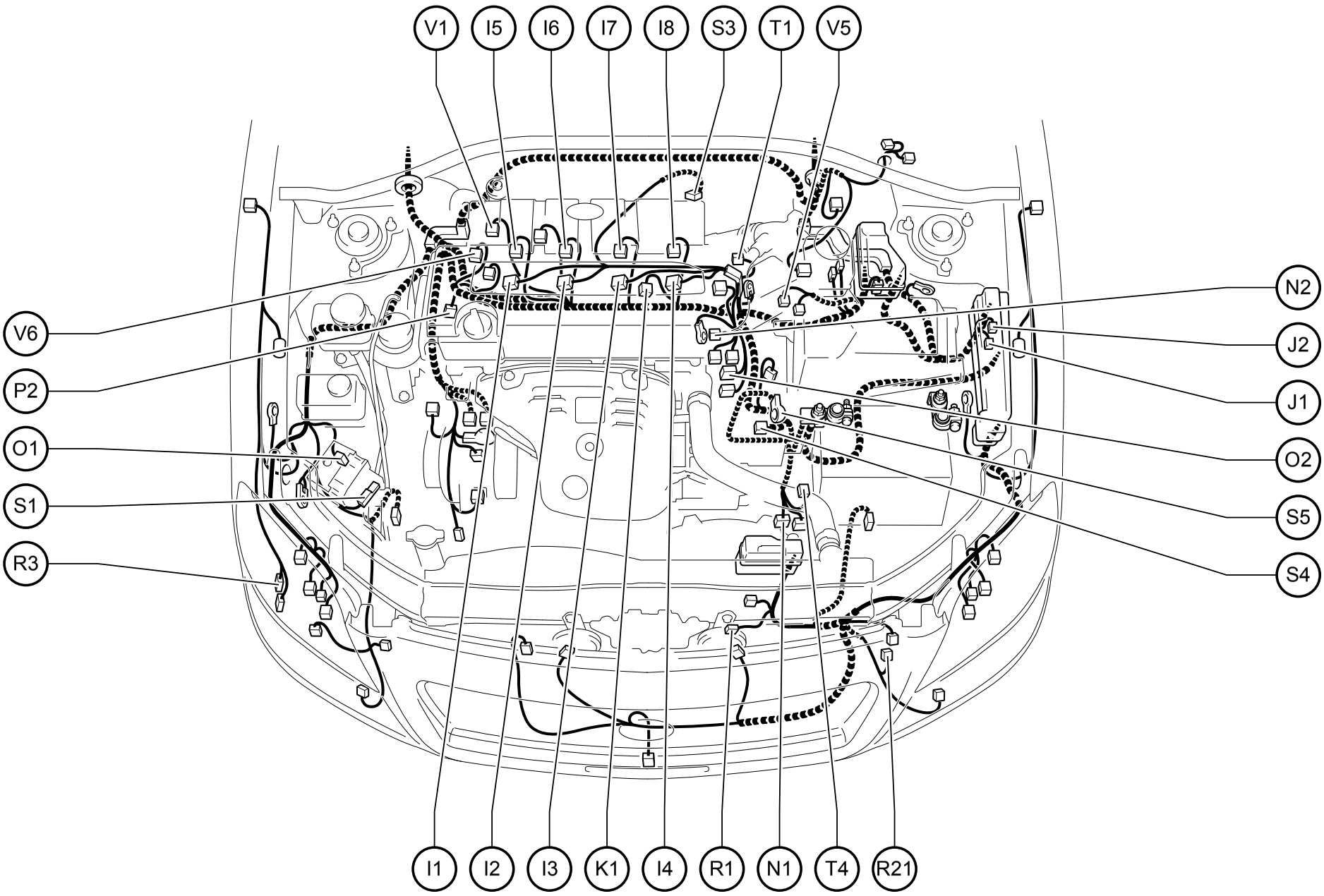
V1
I5
I6
I7
I8
S3
T1
V5
V6
P2
O1
S1
R3
N2
J2
J1
O2
S5
S4
I1
I2
I3
K1
I4
R1
N1
T4
R21

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I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor (Bank 1)

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor
R 21 Radiator Fan Relay

S 1 Skid Control ECU with Actuator
S 3 Spill Valve
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 1 Vacuum Sensor
V 5 VSV (EVAP)
V 6 VSV (Intake Air Control Valve)

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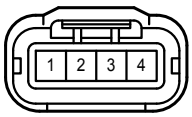
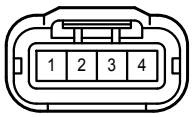
I 1
Black



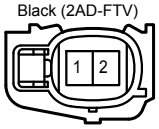
I 2
Gray

I 3
Black

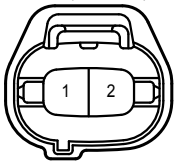


I 4
Gray

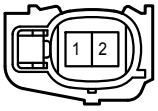
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

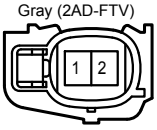


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

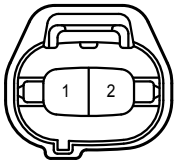


I 5
Black (2AZ-FSE, 1AZ-FSE)

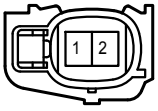
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

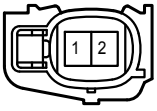


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

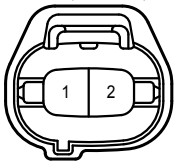


I 6
Gray (2AZ-FSE, 1AZ-FSE)

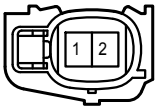
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

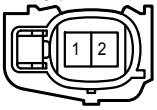


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

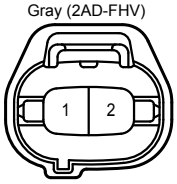


I 7
Black (2AZ-FSE, 1AZ-FSE)

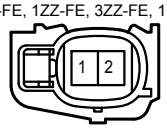
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

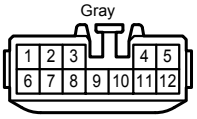


I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

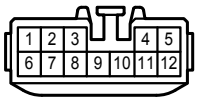


I 8
Gray (2AZ-FSE, 1AZ-FSE)

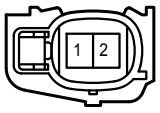
J 1
Gray



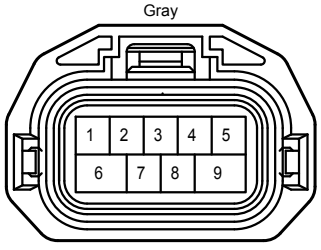
J 2
Black



K 1
Black

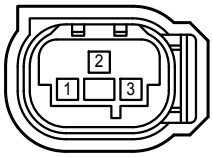


N 1
Gray



N 2
Gray

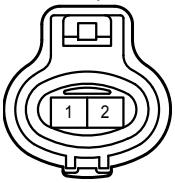
O 1
Black



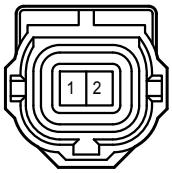
O 2
Gray

P 2
Black

R 1
Gray



R 3
Red



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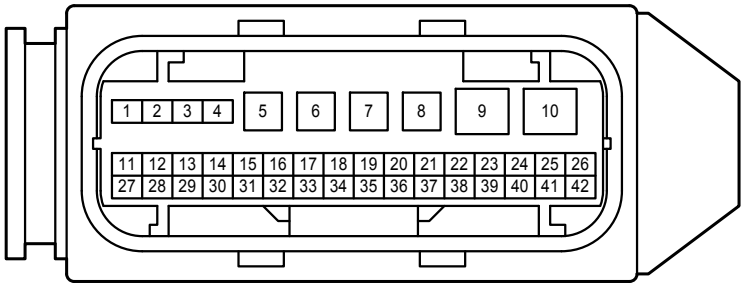
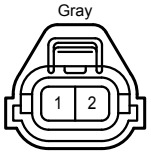
R 21
Black

S 1
Black

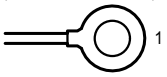


S 3
Gray

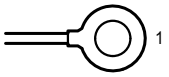


S 4
Black

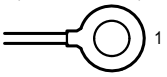
S 5
(2AD-FHV, 2AD-FTV)



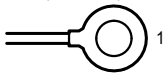
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



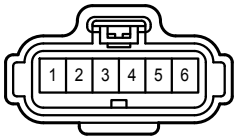
S 5
(1ZZ-FE, 3ZZ-FE)



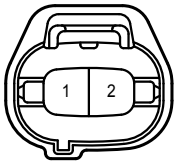
S 5
(1CD-FTV)



T 1
Black

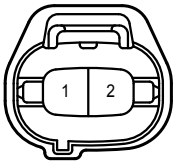


T 4
Black

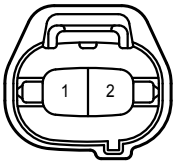


V 1
Black

V 5
Blue



V 6
Brown



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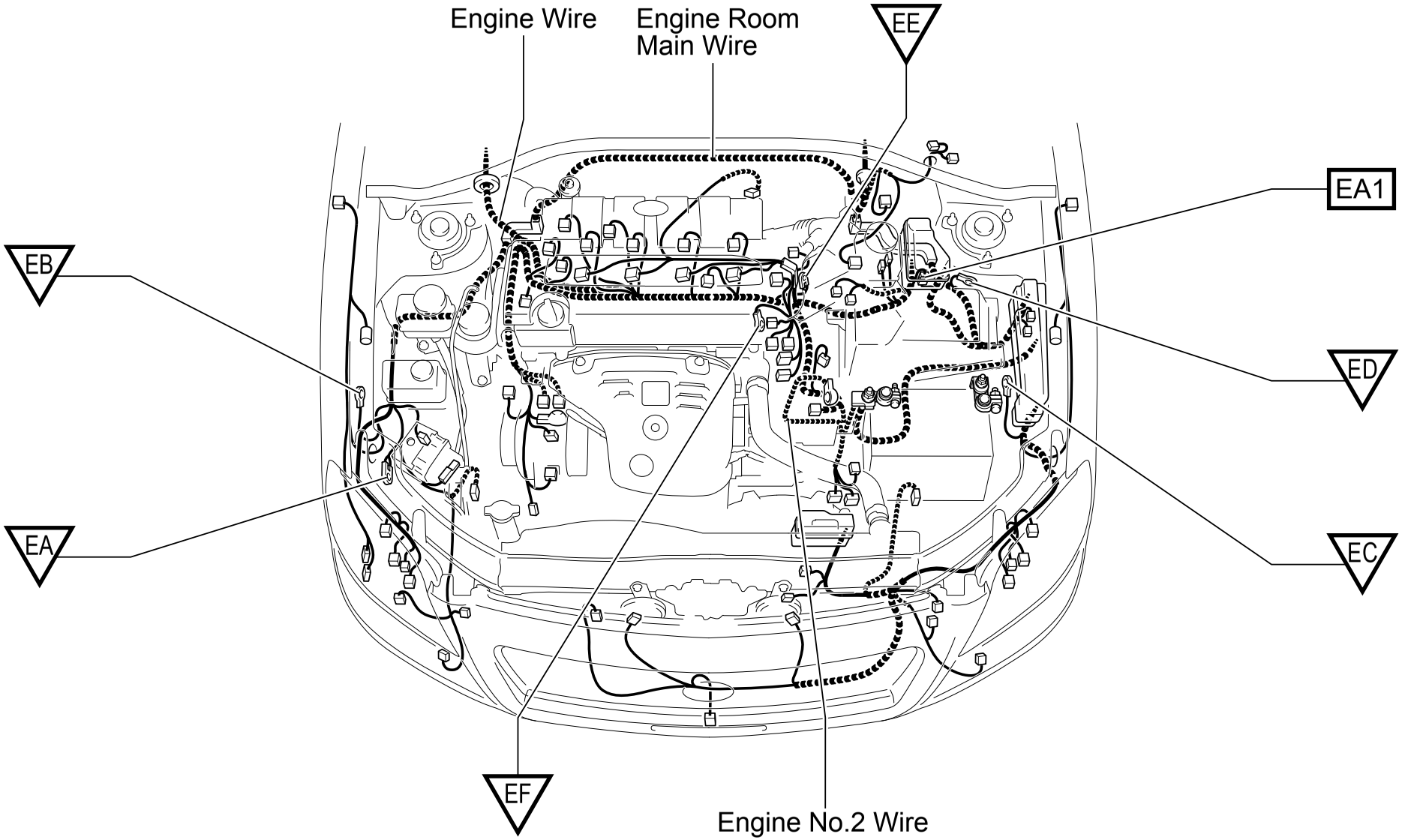
Engine Wire
Engine Room Main Wire
EE
EA1
EB
ED
EA
EC
EF
Engine No.2 Wire

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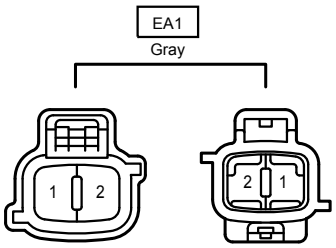

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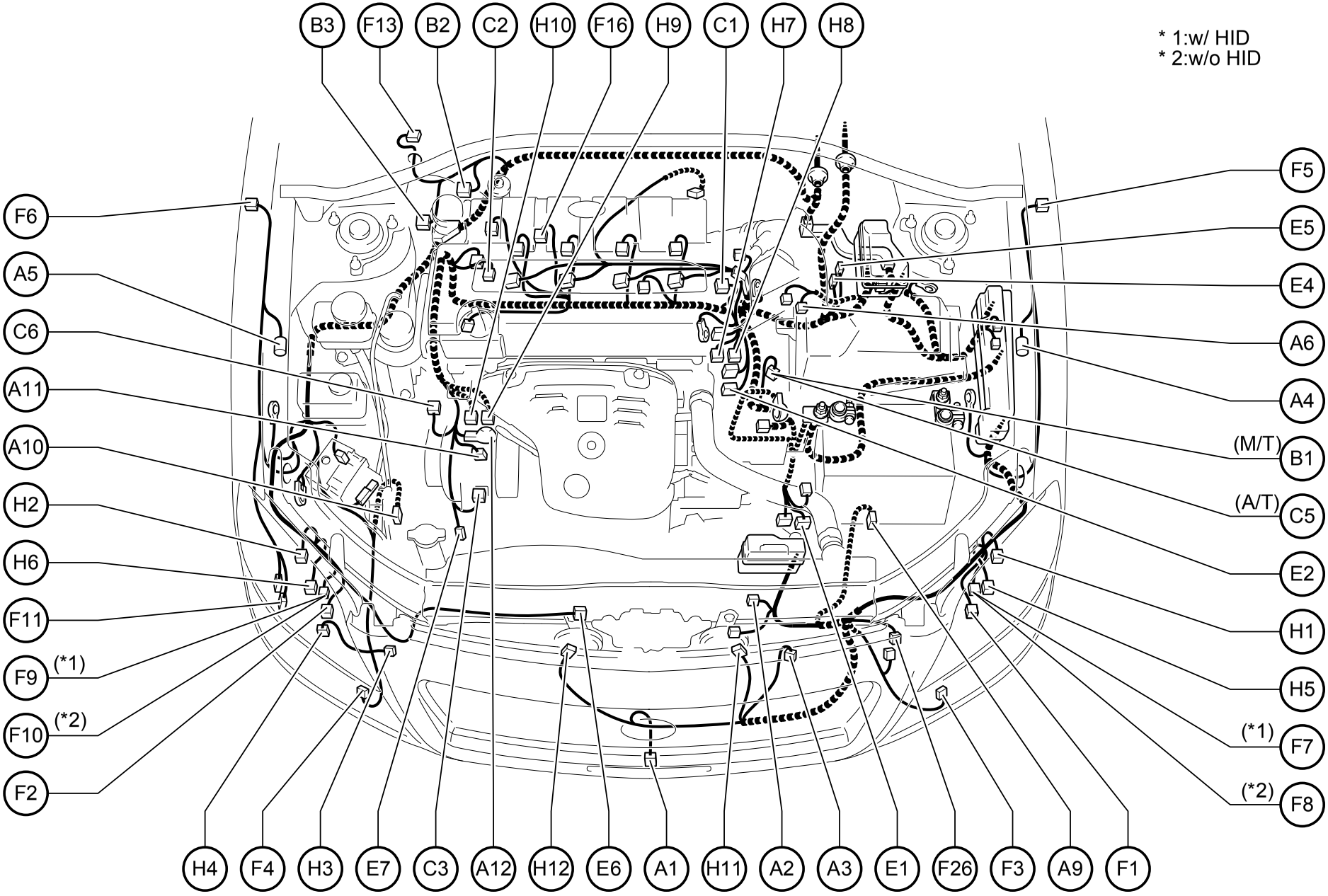
B3
F13
B2
C2
H10
F16
H9
C1
H7
H8
* 1:w/ HID
* 2:w/o HID
F5
E5
E4
A6
A4
(M/T)
B1
(A/T)
C5
E2
H1
H5
(*1)
F7
(*2)
F8
F6
A5
C6
A11
A10
H2
H6
F11
(*1)
F9
(*2)
F10
F2
H4
F4
H3
E7
C3
A12
H12
E6
A1
H11
A2
A3
E1
F26
F3
A9
F1

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A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

E 1 ECT Solenoid (2AZ-FSE)
E 1 ECT Solenoid (Except 2AZ-FSE)
E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit (1CD-FTV, 2AD-FTV)
E 5 Electronic Driver Unit (2AZ-FSE, 1AZ-FSE)
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor
F 16 Fuel Pressure Sensor (1CD-FTV, 2AD-FHV)
F 16 Fuel Pressure Sensor (2AZ-FSE, 1AZ-FSE)
F 26 Fuel Pump Resistor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)

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H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ-FE, 3ZZ-FE)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (2AZ-FSE, 1AZ-FSE)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H 10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H 11 Horn LH
H 12 Horn RH

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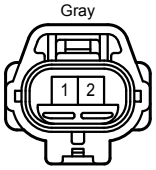
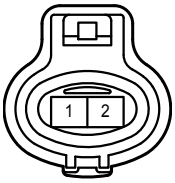
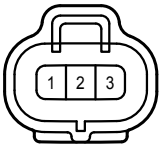
A 1
Gray



A 2
Black



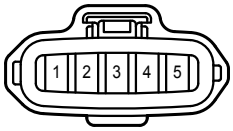
A 3
Black



A 4

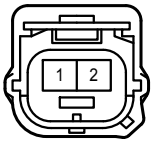
A 5

A 6
Black



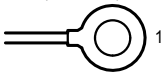
A 9
Yellow

A 10
Yellow

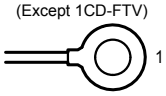


A 11
Black

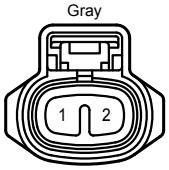
A 12
(1CD-FTV)



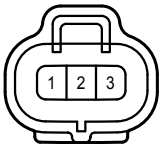
A 12
(Except 1CD-FTV)



B 1
Gray



B 2
Black

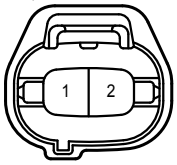


B 3
Black

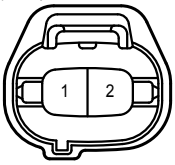
C 1
Black

C 2
Black

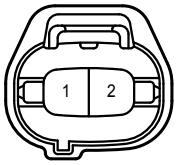
C 3
Black (2AD-FHV, 2AD-FTV)



C 3
Gray (Except 2AD-FHV, 2AD-FTV)



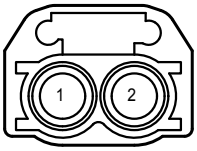
C 5
Black



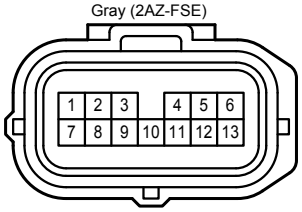
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

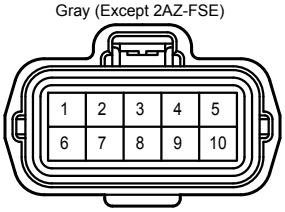
C 6
Black (1CD-FTV)



E 1
Gray (2AZ-FSE)



E 1
Gray (Except 2AZ-FSE)



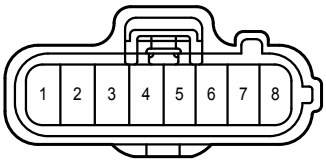
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

E 4
Black



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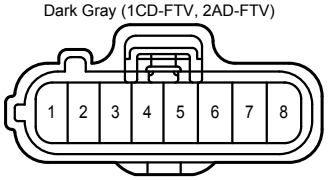
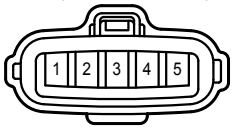
E 5
Dark Gray (1CD-FTV, 2AD-FTV)



E 5
Black (2AZ-FSE, 1AZ-FSE)

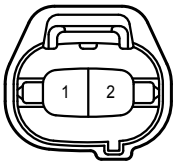


E 6
Black

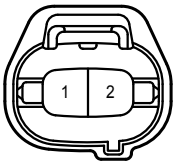
E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

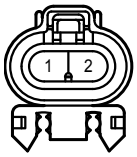
F 1
Black



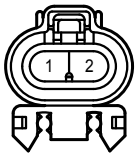
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

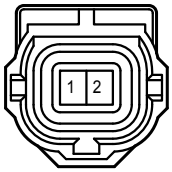
F 7

F 8

F 9

F 10

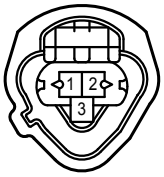
F 11
Black



F 13
Gray

F 16
Black (1CD-FTV, 2AD-FHV)

F 16
Gray (2AZ-FSE, 1AZ-FSE)

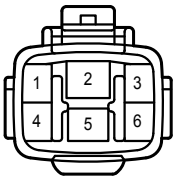


F 26
Dark Gray

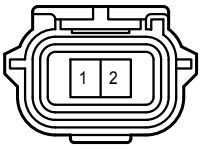
H 1
Gray

H 2
Gray

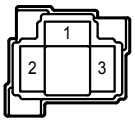
H 3
Black



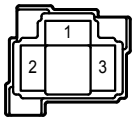
H 4
Black



H 5



H 6



H 7
Gray (1ZZ-FE, 3ZZ-FE)

H 7
Gray (2AZ-FSE, 1AZ-FSE)

H 8
Black

H 9
Gray

H 10
Black

H 11
Black

H 12
Black

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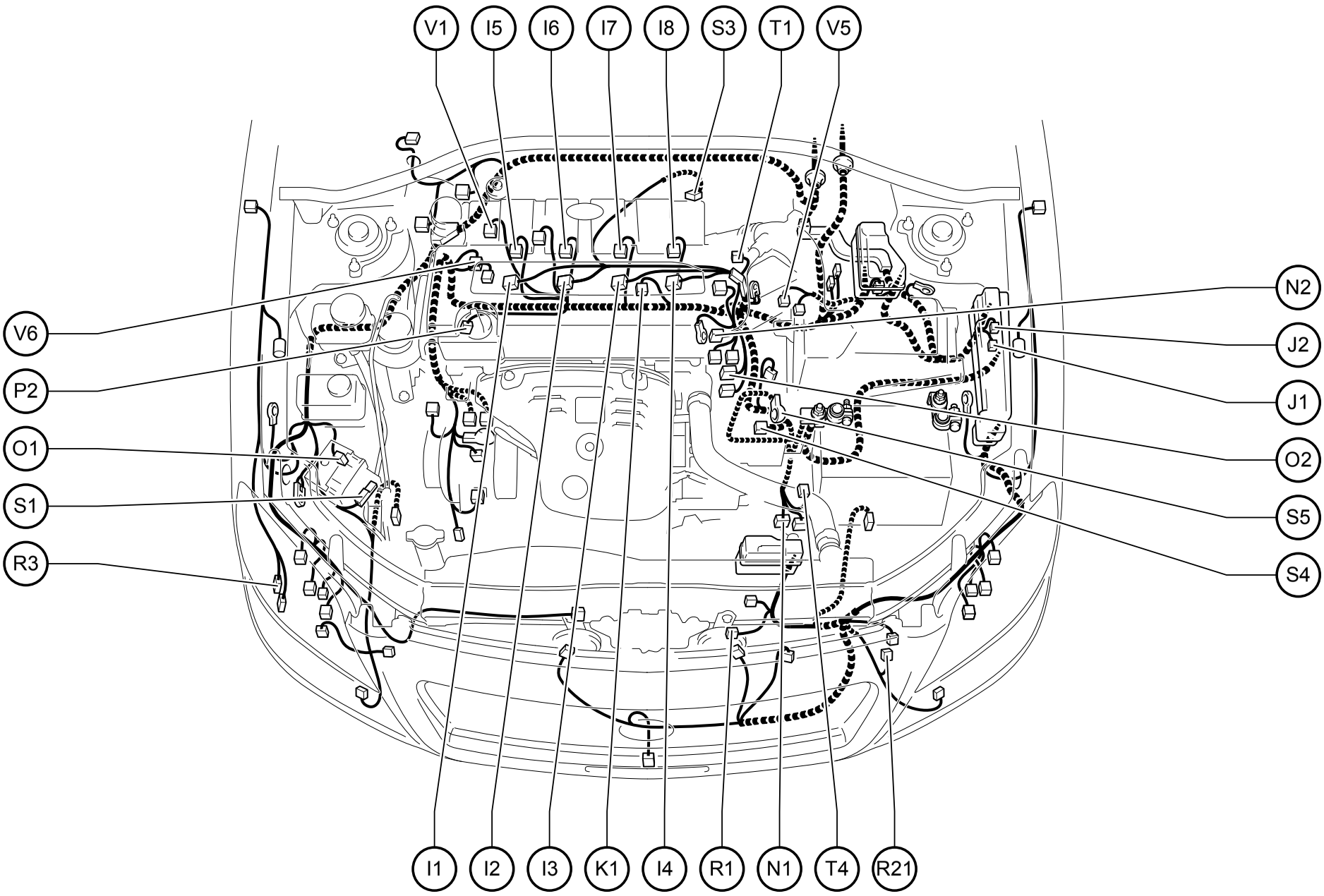
V1
I5
I6
I7
I8
S3
T1
V5
V6
P2
O1
S1
R3
N2
J2
J1
O2
S5
S4
I1
I2
I3
K1
I4
R1
N1
T4
R21

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I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor (Bank 1)

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor
R 21 Radiator Fan Relay

S 1 Skid Control ECU with Actuator
S 3 Spill Valve
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 1 Vacuum Sensor
V 5 VSV (EVAP)
V 6 VSV (Intake Air Control Valve)

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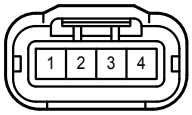
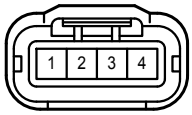
I 1
Black



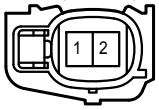
I 2
Gray

I 3
Black

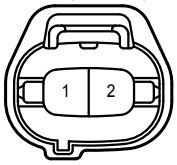


I 4
Gray

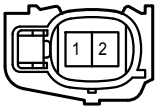
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

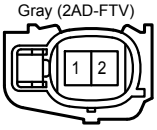


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

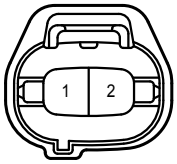


I 5
Black (2AZ-FSE, 1AZ-FSE)

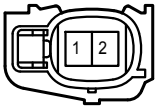
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

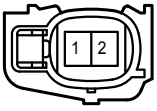


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

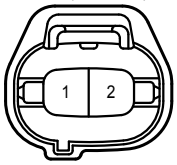


I 6
Gray (2AZ-FSE, 1AZ-FSE)

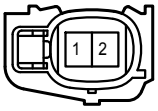
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

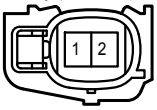


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

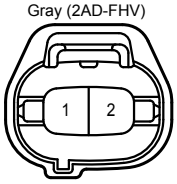


I 7
Black (2AZ-FSE, 1AZ-FSE)

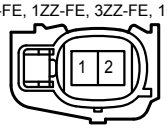
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

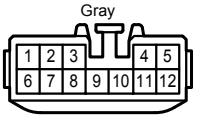


I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

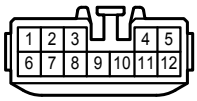


I 8
Gray (2AZ-FSE, 1AZ-FSE)

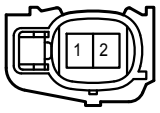
J 1
Gray



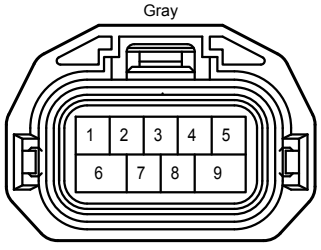
J 2
Black



K 1
Black

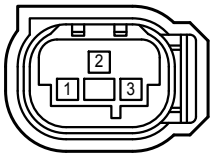


N 1
Gray



N 2
Gray

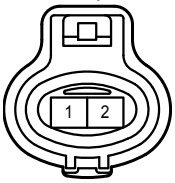
O 1
Black



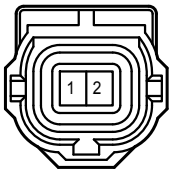
O 2
Gray

P 2
Black

R 1
Gray



R 3
Red



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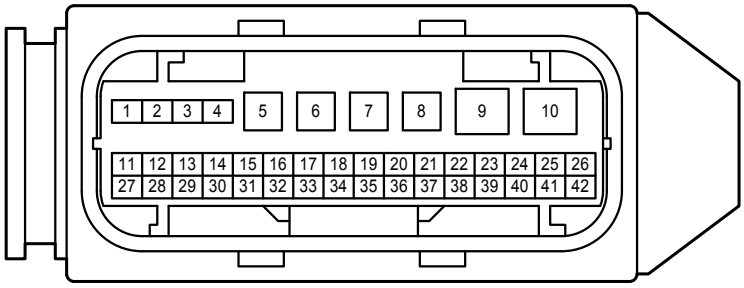
R 21
Black

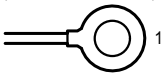
S 1
Black



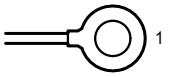
S 3
Gray

S 4
Black

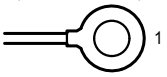
S 5
(2AD-FHV, 2AD-FTV)



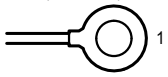
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



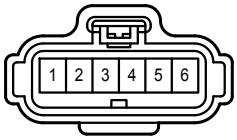
S 5
(1ZZ-FE, 3ZZ-FE)



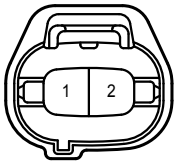
S 5
(1CD-FTV)



T 1
Black

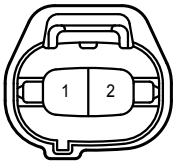


T 4
Black

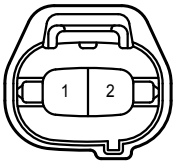


V 1
Black

V 5
Blue



V 6
Brown



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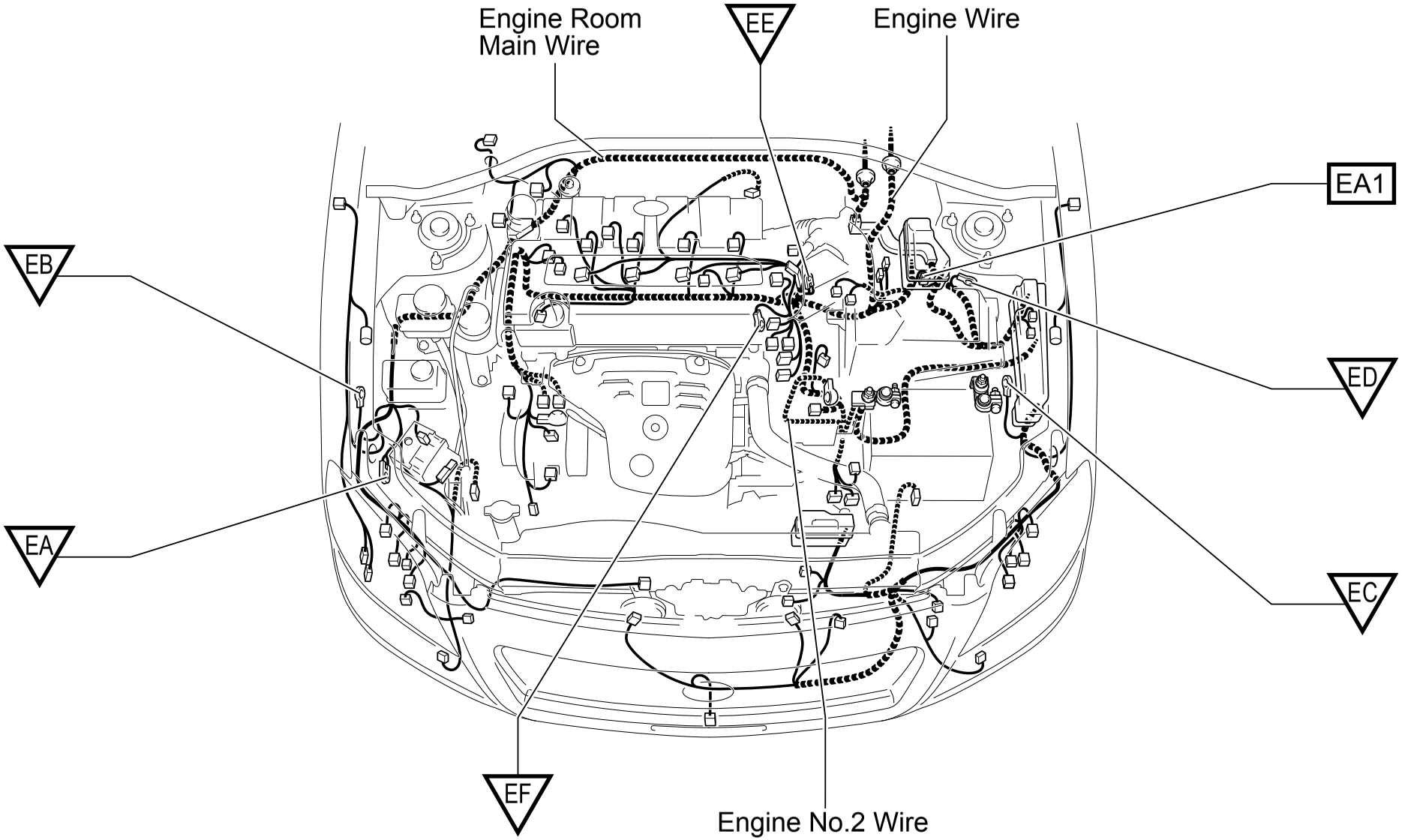
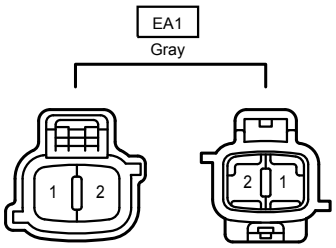
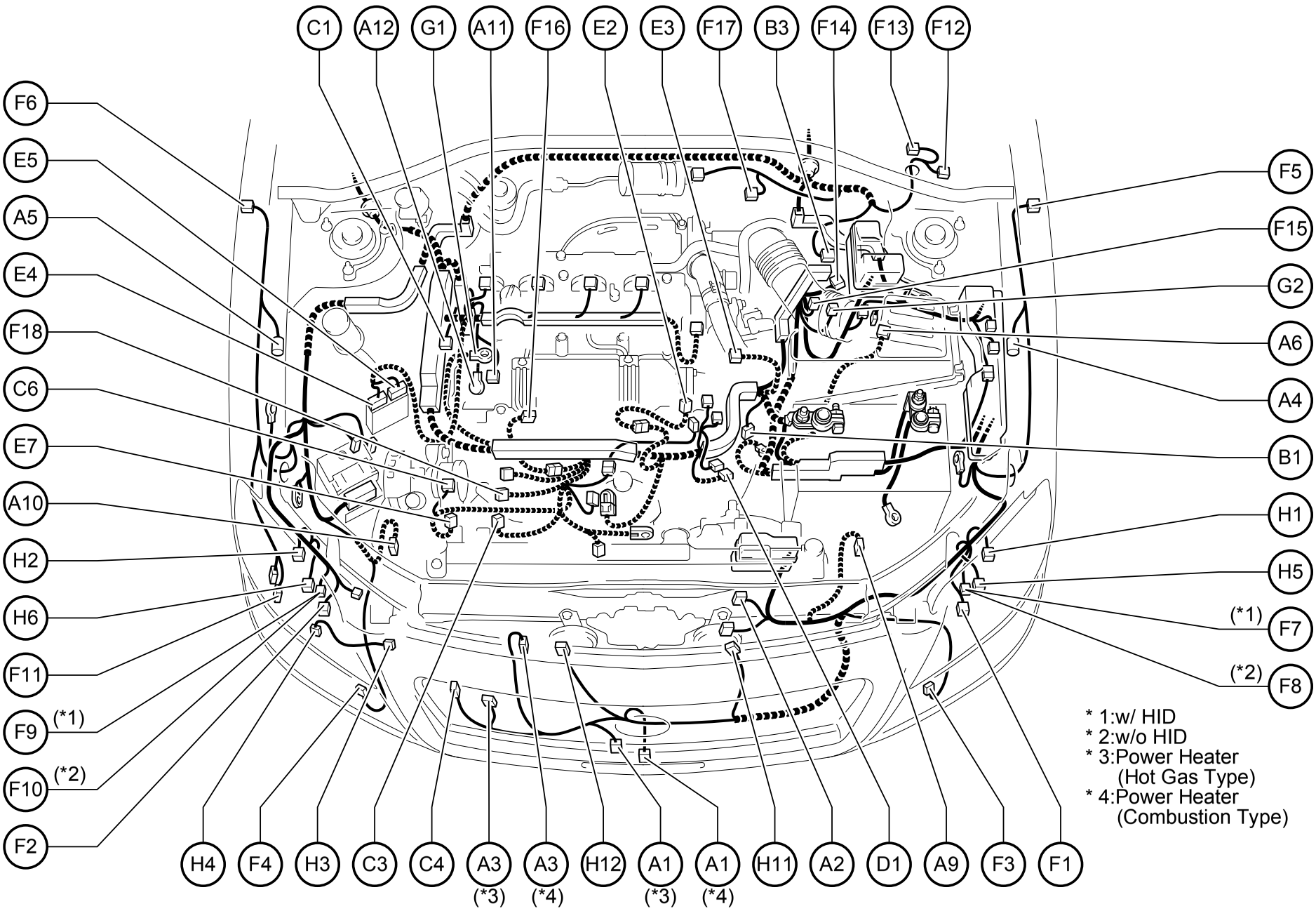

Engine Room
Main Wire
EE
Engine Wire
EA1
EB
ED
EA
EC
EF
Engine No.2 Wire

http://vnx.su



http://vnx.su


C1
A12
G1
A11
F16
E2
E3
F17
B3
F14
F13
F12
F6
E5
A5
E4
F18
C6
E7
A10
H2
H6
F11
F9 (*1)
F10 (*2)
F2
F5
F15
G2
A6
A4
B1
H1
H5
(*1) F7
(*2) F8
H4
F4
H3
C3
C4
A3 (*3)
A3 (*4)
H12
A1 (*3)
A1 (*4)
H11
A2
D1
A9
F3
F1
* 1:w/ HID
* 2:w/o HID
* 3:Power Heater (Hot Gas Type)
* 4:Power Heater (Combustion Type)

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A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit (1CD-FTV, 2AD-FTV)
E 5 Electronic Driver Unit (2AZ-FSE, 1AZ-FSE)
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 15 Fuel Heater
F 16 Fuel Pressure Sensor (1CD-FTV, 2AD-FHV)
F 16 Fuel Pressure Sensor (2AZ-FSE, 1AZ-FSE)
F 17 Fuel Pump
F 18 Fuel Temp. Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH

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H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

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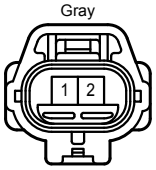
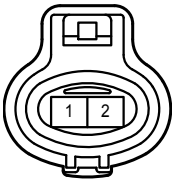
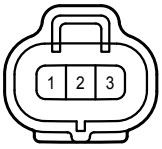
A 1
Gray



A 2
Black



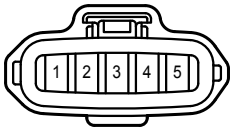
A 3
Black



A 4

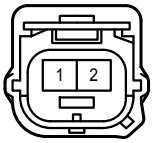
A 5

A 6
Black



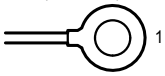
A 9
Yellow

A 10
Yellow

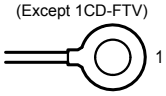


A 11
Black

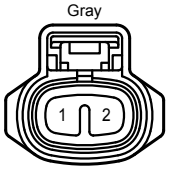
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)



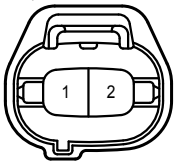
B 1
Gray



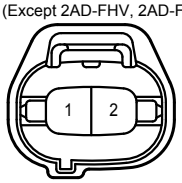
B 3
Black

C 1
Black

C 3
Black (2AD-FHV, 2AD-FTV)

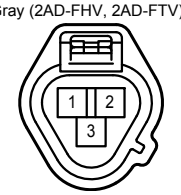


C 3
Gray (Except 2AD-FHV, 2AD-FTV)



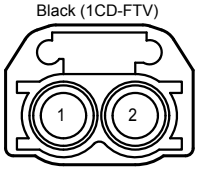
C 4

C 6
Gray (2AD-FHV, 2AD-FTV)



C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



E 2
Gray (2AD-FHV, 2AD-FTV)

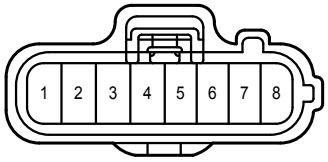
E 2
Gray (1CD-FTV)

E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

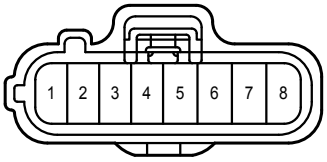
E 2
Gray (1AZ-FE)

E 3
Black

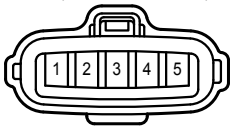
E 4
Black



E 5
Dark Gray (1CD-FTV, 2AD-FTV)



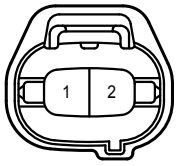
E 5
Black (2AZ-FSE, 1AZ-FSE)



E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

F 1
Black



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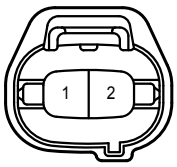
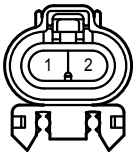
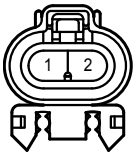
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

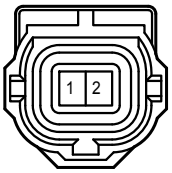
F 7

F 8

F 9

F 10

F 11
Black

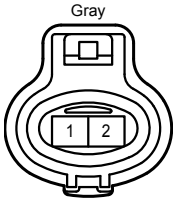


F 12
Black

F 13
Gray

F 14
Gray

F 15
Gray



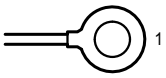
F 16
Black (1CD-FTV, 2AD-FHV)

F 16
Gray (2AZ-FSE, 1AZ-FSE)

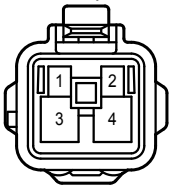
F 17
Black

F 18
Gray

G 1



G 2
Gray

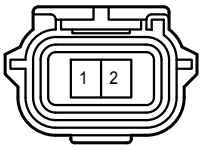


H 1
Gray

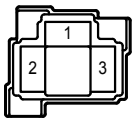
H 2
Gray

H 3
Black

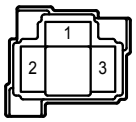
H 4
Black



H 5



H 6



H 11
Black

H 12
Black

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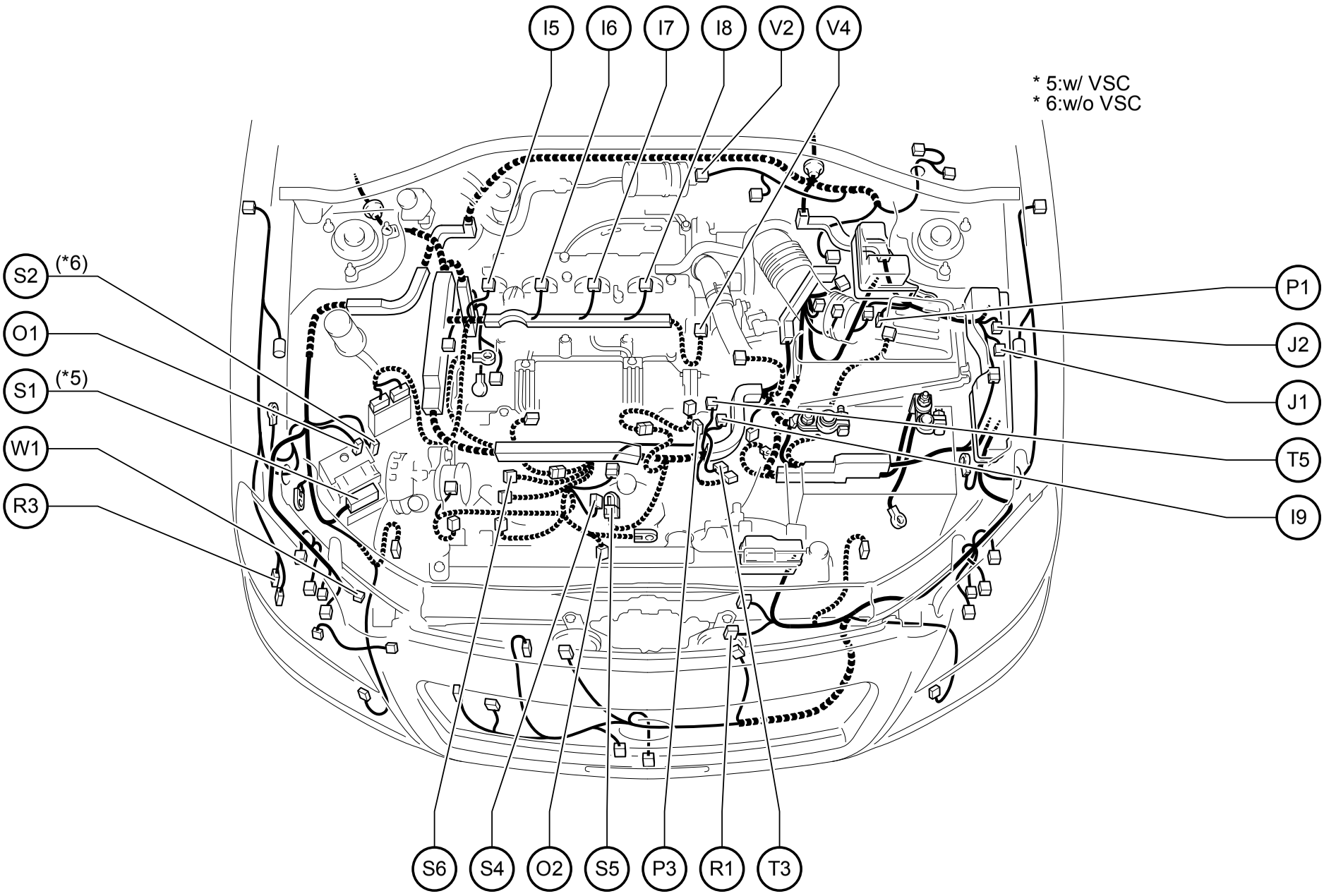
I5
I6
I7
I8
V2
V4
* 5:w/ VSC
* 6:w/o VSC
S2
(*6)
O1
S1
(*5)
W1
R3
P1
J2
J1
T5
I9
S6
S4
O2
S5
P3
R1
T3

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I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 9 Intake Air Temp. Sensor

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 1 Power Heater Assembly
P 3 Pressure Discharge Valve

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)
S 6 Suction Control Valve

T 5 Turbo Pressure Sensor

V 2 Vacuum SW
V 4 VRV (EGR) (2AD-FHV, 2AD-FTV)
V 4 VRV (EGR) (1CD-FTV)

W 1 Water Temp. SW (Radiator Fan)

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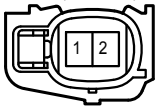
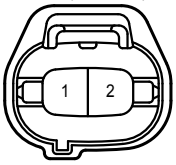
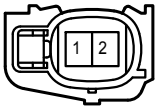
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

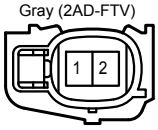


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

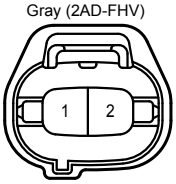


I 5
Black (2AZ-FSE, 1AZ-FSE)

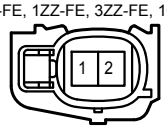
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

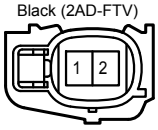


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

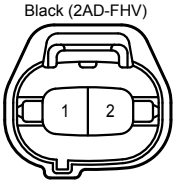


I 6
Gray (2AZ-FSE, 1AZ-FSE)

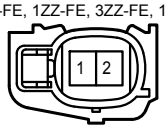
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

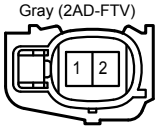


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

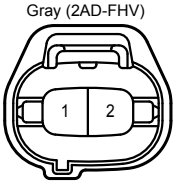


I 7
Black (2AZ-FSE, 1AZ-FSE)

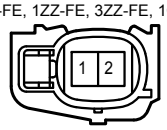
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)



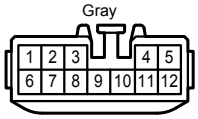
I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



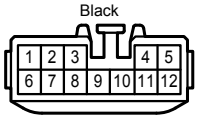
I 8
Gray (2AZ-FSE, 1AZ-FSE)

I 9
Gray

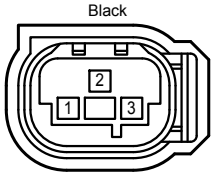
J 1
Gray



J 2
Black

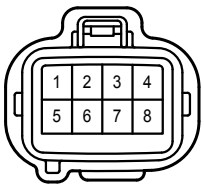


O 1
Black



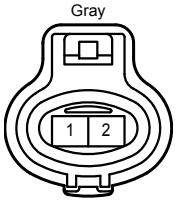
O 2
Gray

P 1
Black

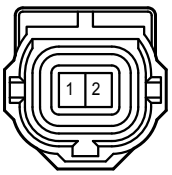


P 3
Gray

R 1
Gray



R 3
Red



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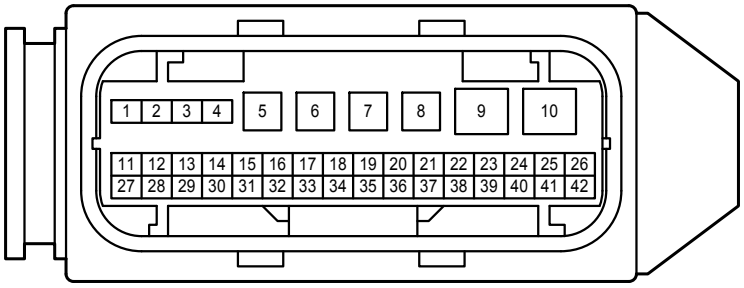
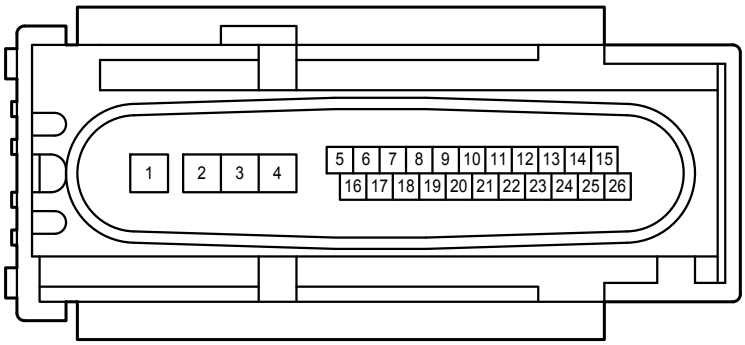
S 1
Black

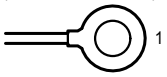


S 2
Black

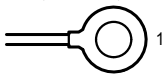


S 4
Black

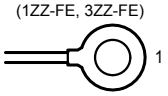
S 5
(2AD-FHV, 2AD-FTV)



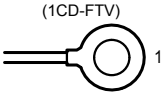
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)

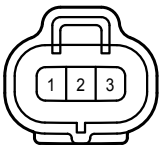


S 5
(1CD-FTV)



S 6
Gray

T 5
Black



V 2
Black

V 4
Black (2AD-FHV, 2AD-FTV)

V 4
Black (1CD-FTV)

W 1

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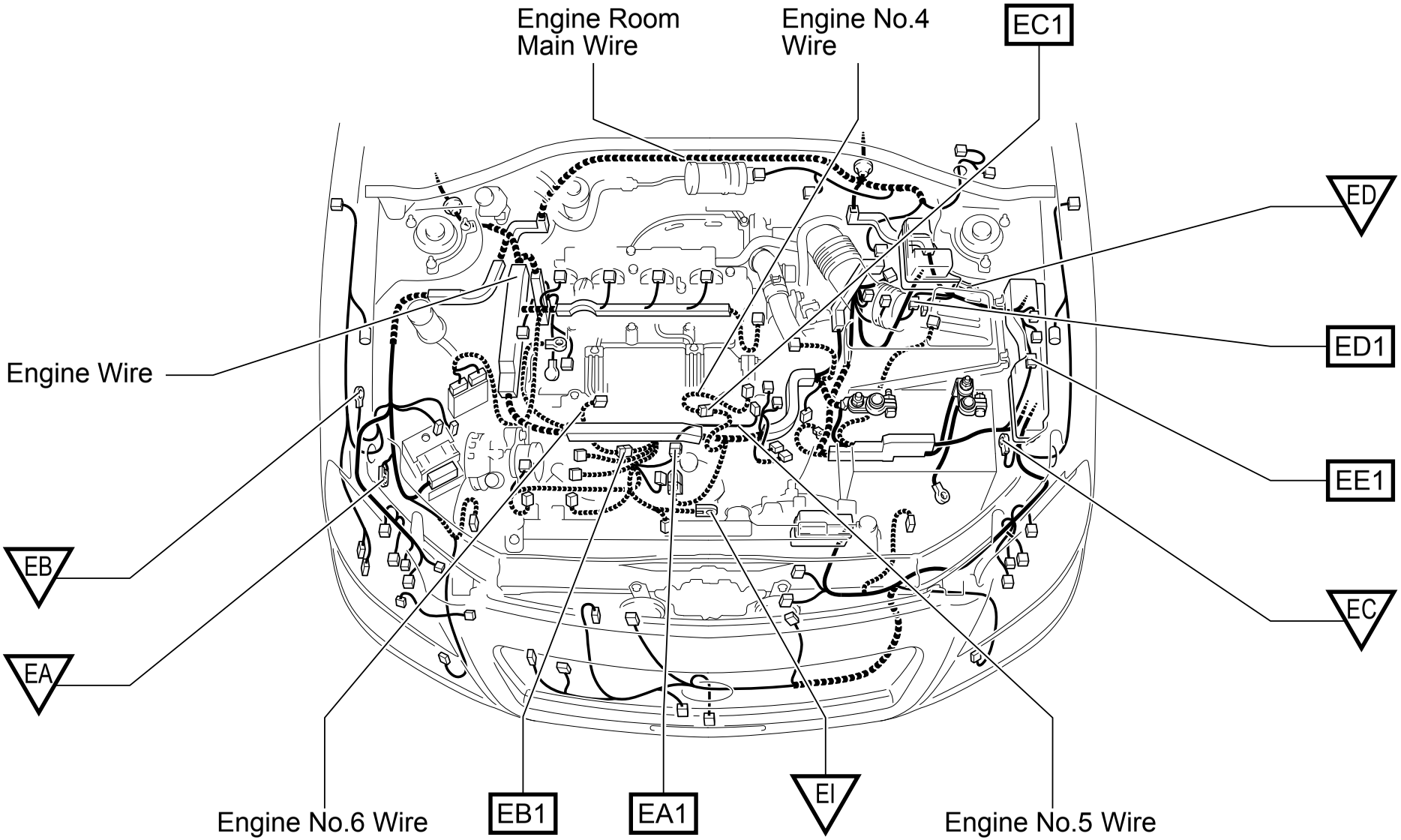
Engine Room
Main Wire
Engine No.4
Wire
EC1
ED
ED1
EE1
EC
Engine Wire
EB
EA
Engine No.6 Wire
EB1
EA1
EI
Engine No.5 Wire

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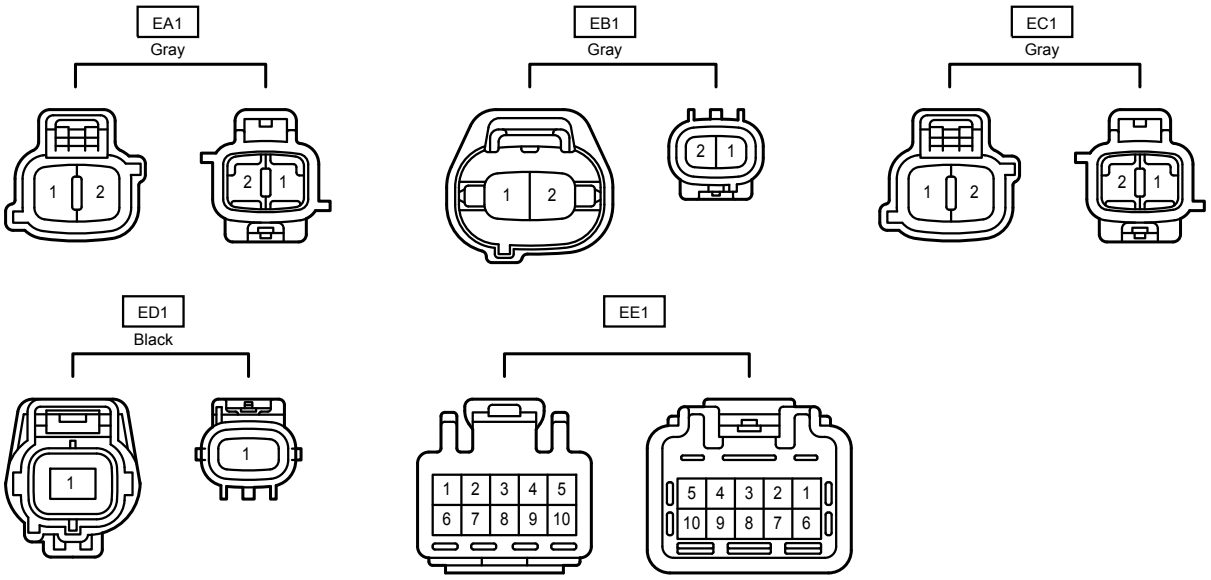
EA1
Gray
1
2
2
1
EB1
Gray
1
2
2
1
EC1
Gray
1
2
2
1
ED1
Black
1
1
EE1
1
2
3
4
5
6
7
8
9
10
5
4
3
2
1
10
9
8
7
6

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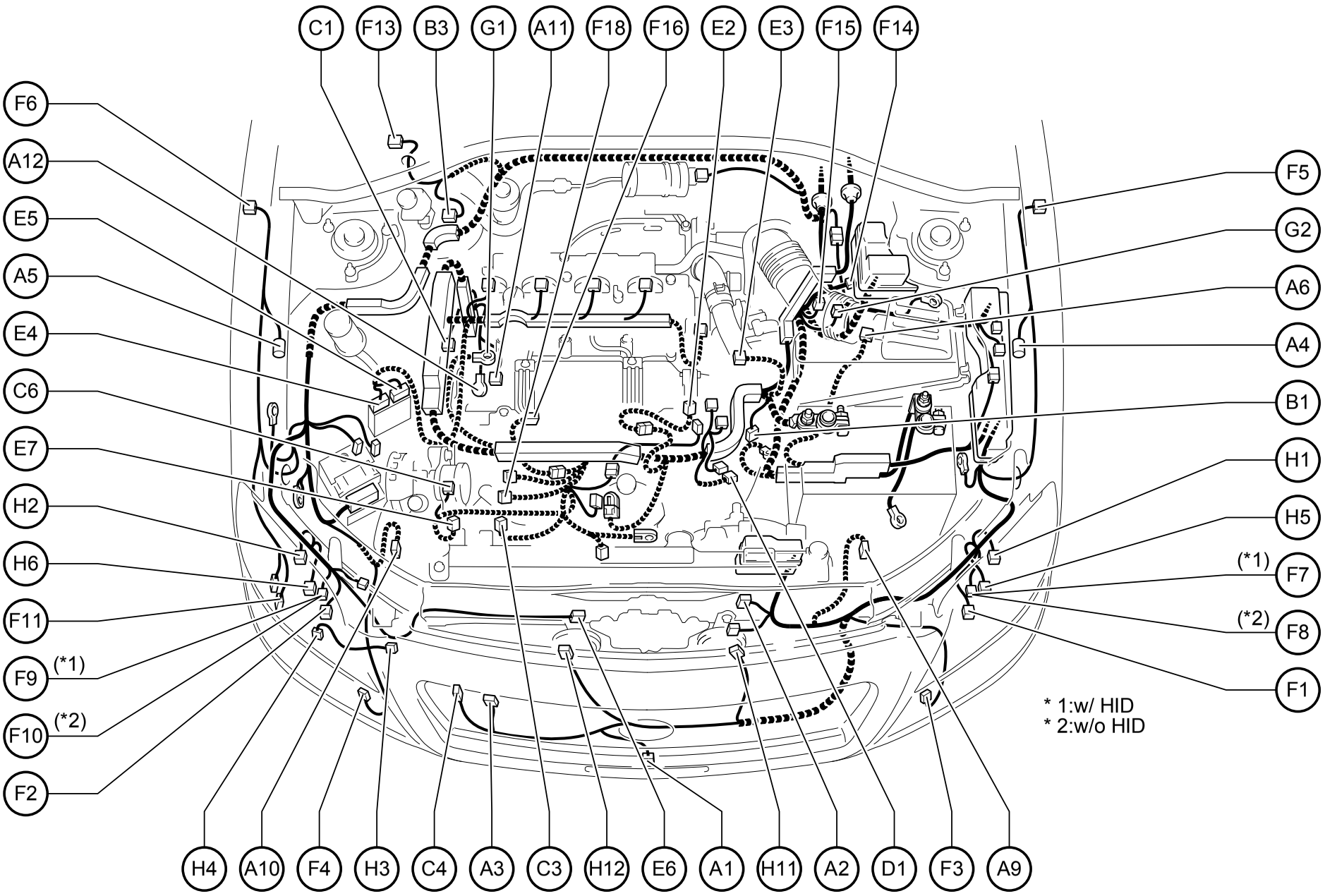
C1
F13
B3
G1
A11
F18
F16
E2
E3
F15
F14
F6
A12
E5
A5
E4
C6
E7
H2
H6
F11
F9 (*1)
F10 (*2)
F2
F5
G2
A6
A4
B1
H1
H5
(*1) F7
(*2) F8
F1
H4
A10
F4
H3
C4
A3
C3
H12
E6
A1
H11
A2
D1
F3
A9
* 1:w/ HID
* 2:w/o HID

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A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

D 1 Diesel Throttle Control Motor

E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit (1CD-FTV, 2AD-FTV)
E 5 Electronic Driver Unit (2AZ-FSE, 1AZ-FSE)
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 15 Fuel Heater
F 16 Fuel Pressure Sensor (1CD-FTV, 2AD-FHV)
F 16 Fuel Pressure Sensor (2AZ-FSE, 1AZ-FSE)
F 18 Fuel Temp. Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay

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H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

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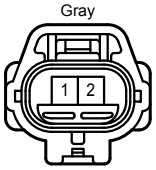
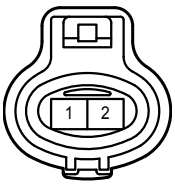
A 1
Gray



A 2
Black

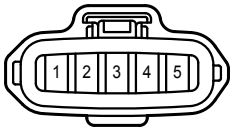


A 3
Black

A 4

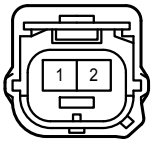
A 5

A 6
Black



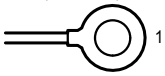
A 9
Yellow

A 10
Yellow

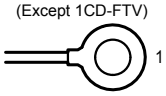


A 11
Black

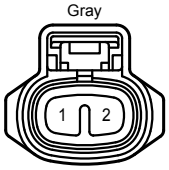
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)



B 1
Gray

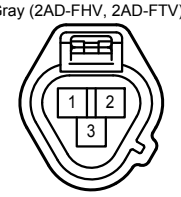


B 3
Black

C 1
Black

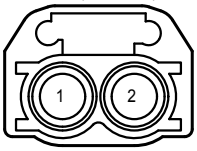
C 4

C 6
Gray (2AD-FHV, 2AD-FTV)



C 6
Gray (2AZ-FSE, 1AZ-FE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



D 1
Black

E 2
Gray (2AD-FHV, 2AD-FTV)

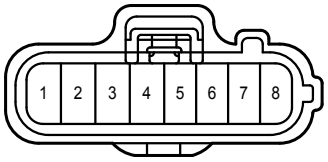
E 2
Gray (1CD-FTV)

E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

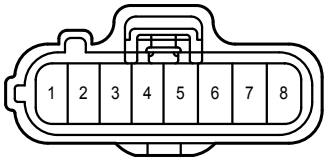
E 2
Gray (1AZ-FE)

E 3
Black

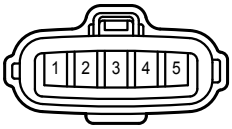
E 4
Black



E 5
Dark Gray (1CD-FTV, 2AD-FTV)



E 5
Black (2AZ-FSE, 1AZ-FSE)

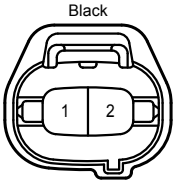


E 6
Black

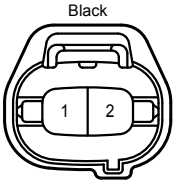
E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

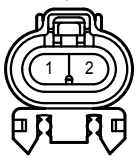
F 1
Black



F 2
Black



F 3
Brown



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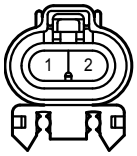
F 4
Brown



F 5
Gray

F 6
Gray

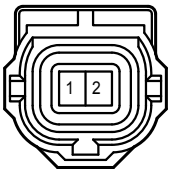
F 7

F 8

F 9

F 10

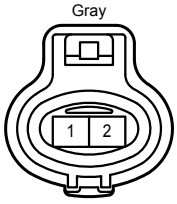
F 11
Black



F 13
Gray

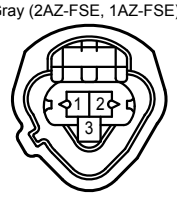
F 14
Gray

F 15
Gray



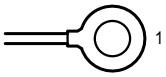
F 16
Black (1CD-FTV, 2AD-FHV)

F 16
Gray (2AZ-FSE, 1AZ-FSE)

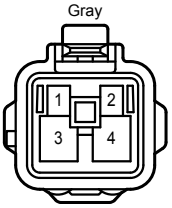


F 18
Gray

G 1



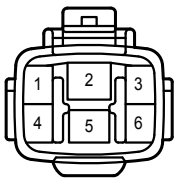
G 2
Gray



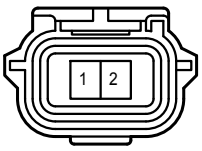
H 1
Gray

H 2
Gray

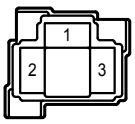
H 3
Black



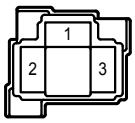
H 4
Black



H 5



H 6



H 11
Black

H 12
Black

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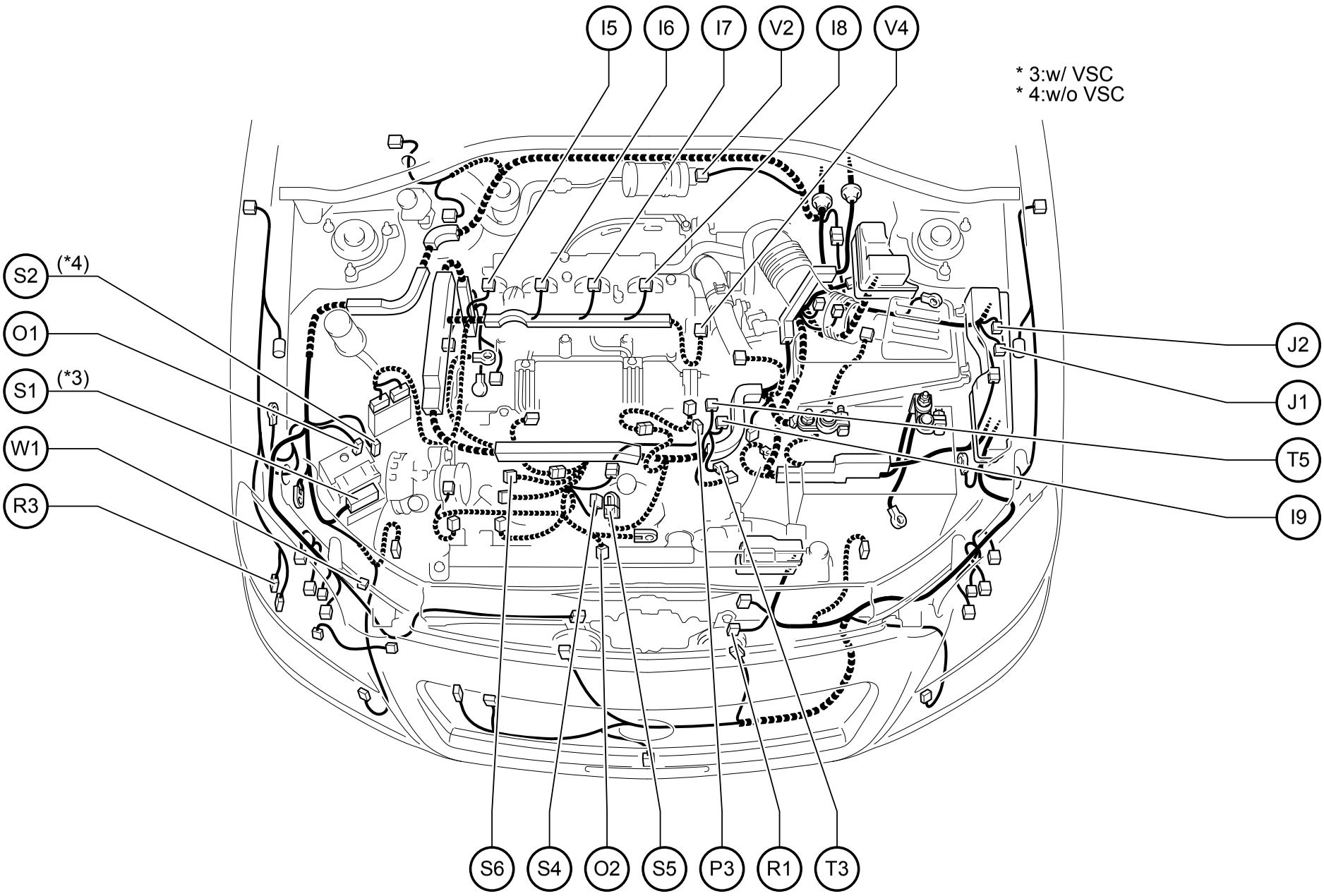
I5
I6
I7
V2
I8
V4
* 3:w/ VSC
* 4:w/o VSC
S2
(*4)
O1
S1
(*3)
W1
R3
J2
J1
T5
I9
S6
S4
O2
S5
P3
R1
T3

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I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 9 Intake Air Temp. Sensor

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 3 Pressure Discharge Valve

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)
S 6 Suction Control Valve

T 3 Throttle Position SW
T 5 Turbo Pressure Sensor

V 2 Vacuum SW
V 4 VRV (EGR) (2AD-FHV, 2AD-FTV)
V 4 VRV (EGR) (1CD-FTV)

W 1 Water Temp. SW (Radiator Fan)

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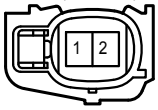
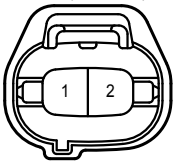
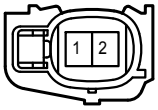
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

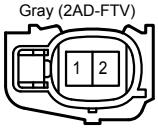


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

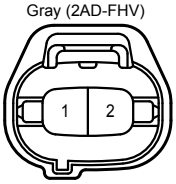


I 5
Black (2AZ-FSE, 1AZ-FSE)

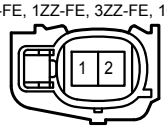
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

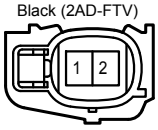


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

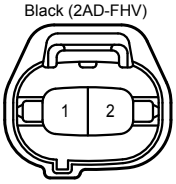


I 6
Gray (2AZ-FSE, 1AZ-FSE)

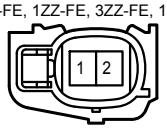
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

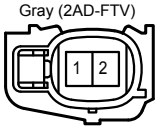


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



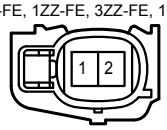
I 7
Black (2AZ-FSE, 1AZ-FSE)

I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

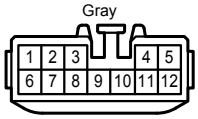
I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



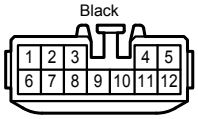
I 8
Gray (2AZ-FSE, 1AZ-FSE)

I 9
Gray

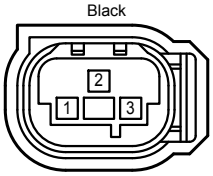
J 1
Gray



J 2
Black



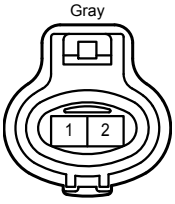
O 1
Black



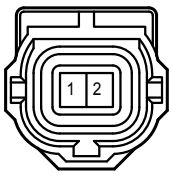
O 2
Gray

P 3
Gray

R 1
Gray



R 3
Red



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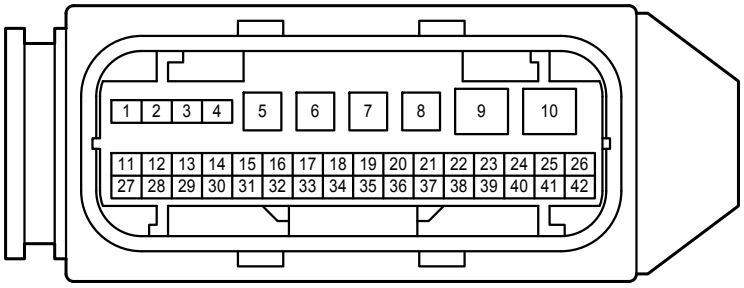
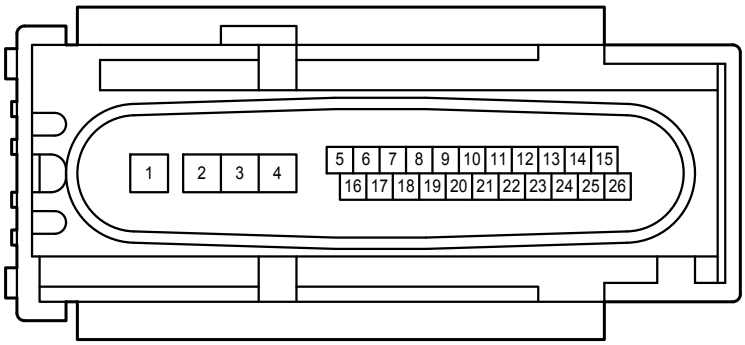
S 1
Black

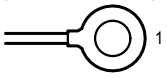


S 2
Black

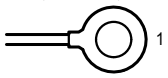


S 4
Black

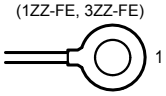
S 5
(2AD-FHV, 2AD-FTV)



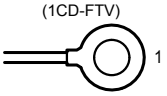
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)



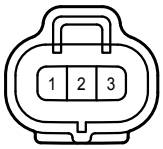
S 5
(1CD-FTV)



S 6
Gray

T 3
Gray

T 5
Black



V 2
Black

V 4
Black (2AD-FHV, 2AD-FTV)

V 4
Black (1CD-FTV)

W 1

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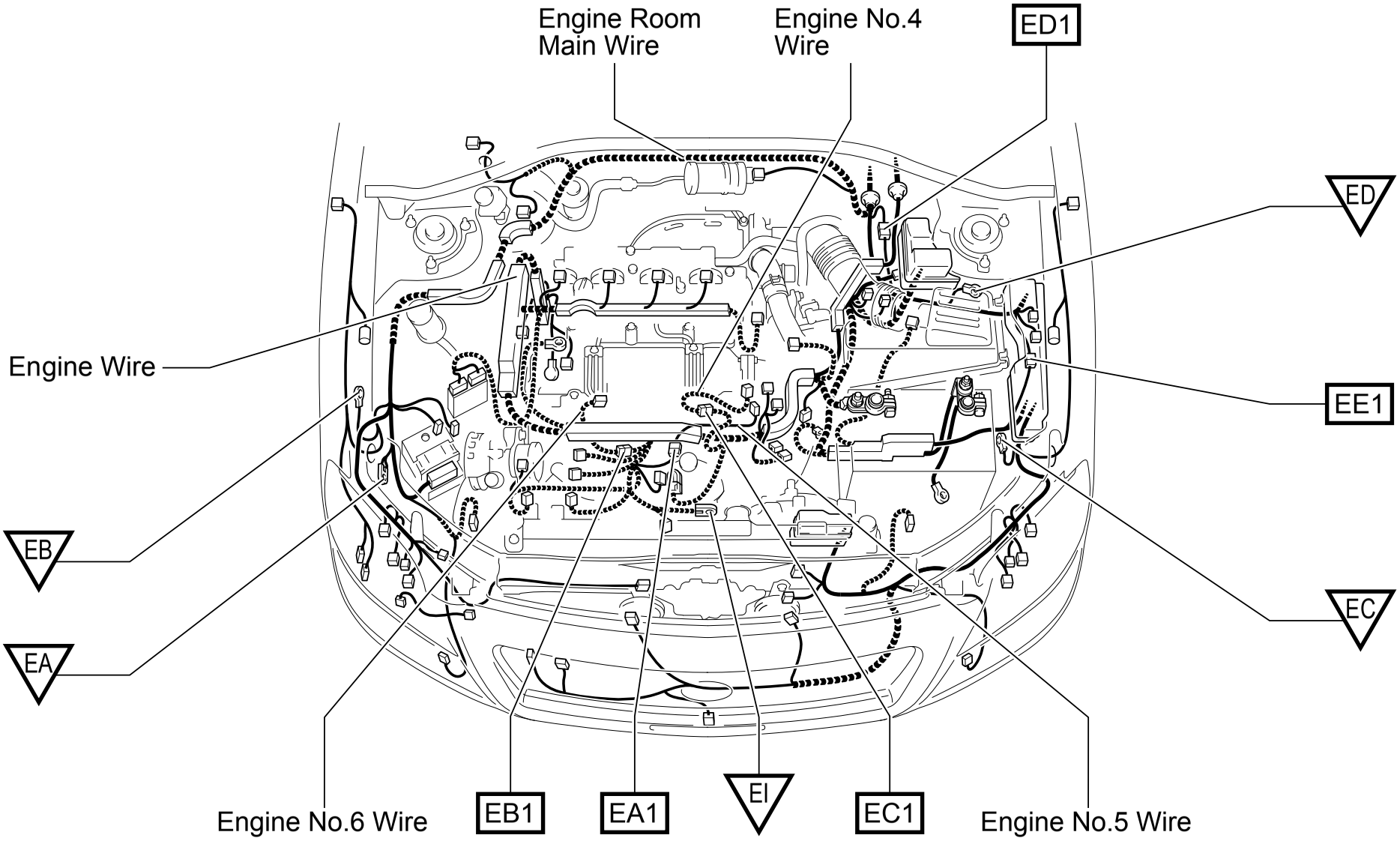
Engine Room Main Wire
Engine No.4 Wire
ED1
ED
Engine Wire
EE1
EB
EC
EA
Engine No.6 Wire
EB1
EA1
EI
EC1
Engine No.5 Wire

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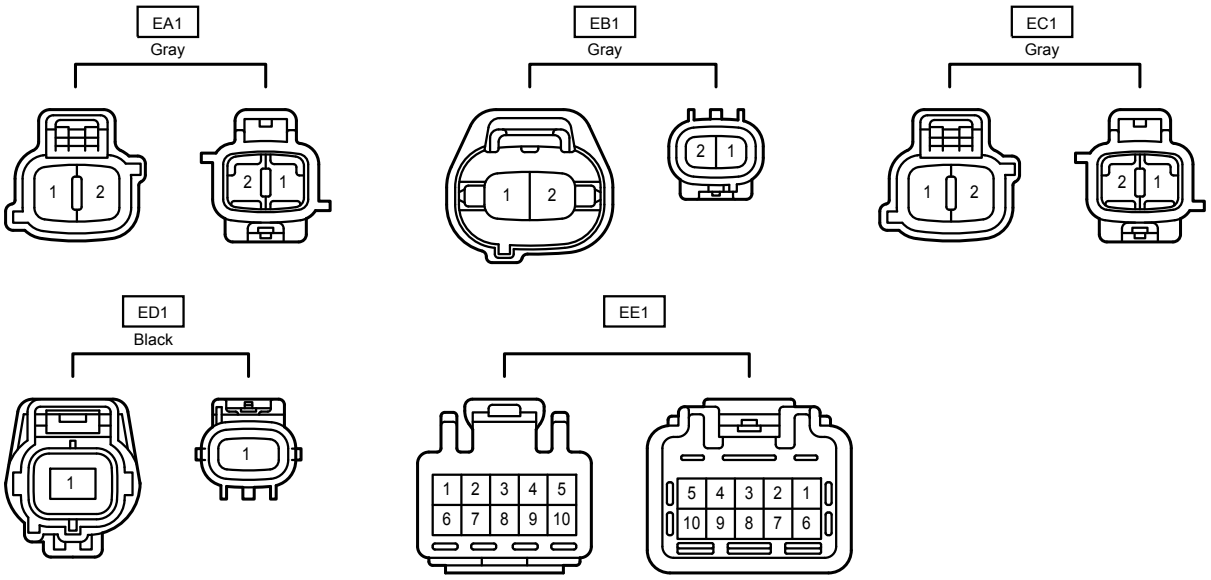
EA1
Gray
1
2
2
1
EB1
Gray
1
2
2
1
EC1
Gray
1
2
2
1
ED1
Black
1
1
EE1
1
2
3
4
5
6
7
8
9
10
5
4
3
2
1
10
9
8
7
6

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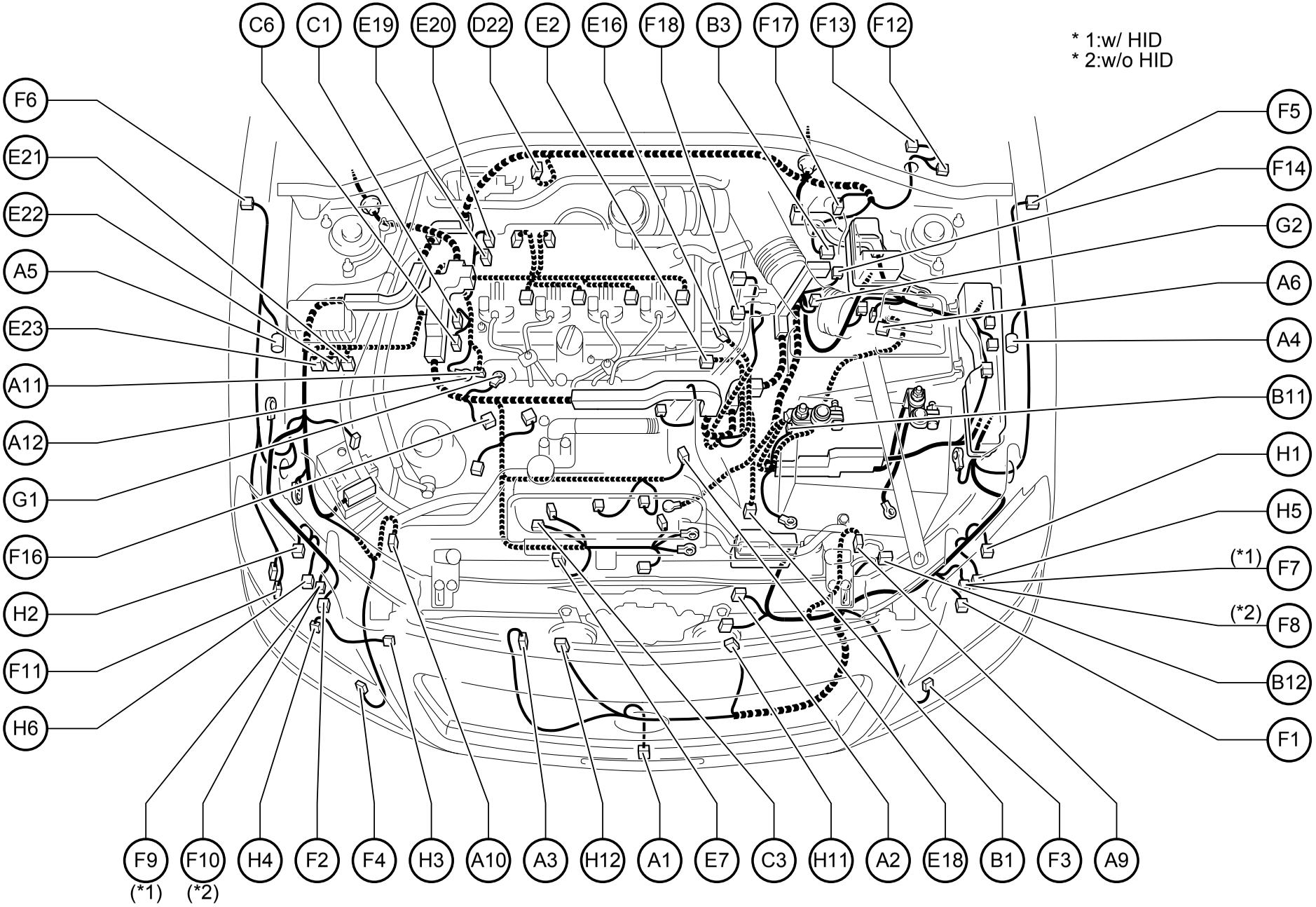
C6
C1
E19
E20
D22
E2
E16
F18
B3
F17
F13
F12
* 1:w/ HID
* 2:w/o HID
F6
E21
E22
A5
E23
A11
A12
G1
F16
H2
F11
H6
F5
F14
G2
A6
A4
B11
H1
H5
(*1)
F7
(*2)
F8
B12
F1
F9
(*1)
F10
(*2)
H4
F2
F4
H3
A10
A3
H12
A1
E7
C3
H11
A2
E18
B1
F3
A9

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A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW
B 11 Battery Current Sensor
B 12 Battery Thermometer Sensor

C 1 Camshaft Position Sensor
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

D 22 Differential Pressure Sensor

E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)
E 16 Exhaust Fuel Addition Injector Assembly
E 18 EGR Valve Position Sensor
E 19 Exhaust Gas Temperature Sensor (Front)
E 20 Exhaust Gas Temperature Sensor (Rear)
E 21 Electronic Driver Unit (2AD-FHV)
E 22 Electronic Driver Unit (2AD-FHV)
E 23 Electronic Driver Unit (2AD-FHV)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 16 Fuel Pressure Sensor (1CD-FTV, 2AD-FHV)
F 16 Fuel Pressure Sensor (2AZ-FSE, 1AZ-FSE)
F 17 Fuel Pump
F 18 Fuel Temp. Sensor

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G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

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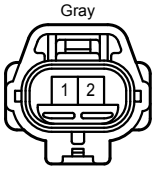
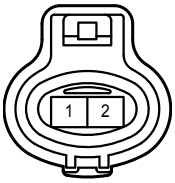
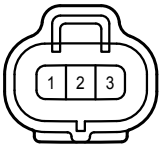
A 1
Gray



A 2
Black



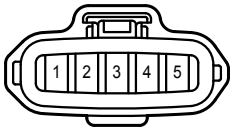
A 3
Black



A 4

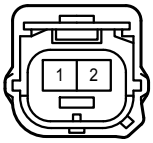
A 5

A 6
Black



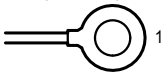
A 9
Yellow

A 10
Yellow

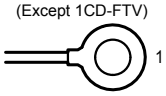


A 11
Black

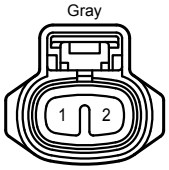
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)

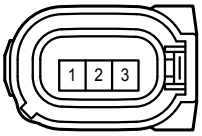


B 1
Gray

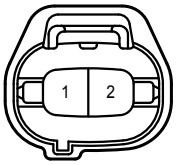


B 3
Black

B 11
Black

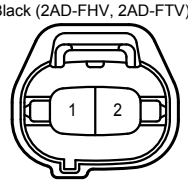


B 12
Black

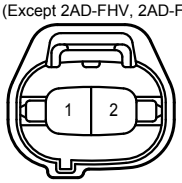


C 1
Black

C 3
Black (2AD-FHV, 2AD-FTV)



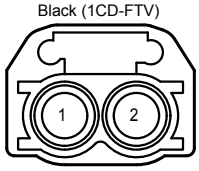
C 3
Gray (Except 2AD-FHV, 2AD-FTV)



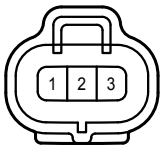
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



D 22
Black



E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

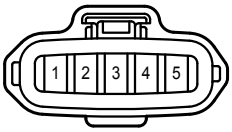
E 2
Gray (1AZ-FE)

E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

E 16
Black

E 18
Black



E 19
Gray

E 20
Dark Gray

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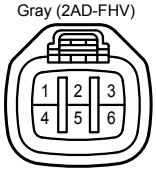
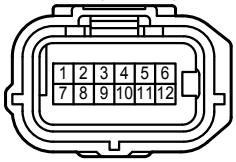
E 21
Gray (2AD-FHV)

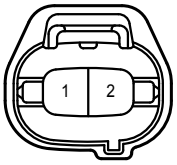


E 22
Black (2AD-FHV)

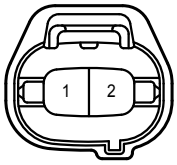


E 23
Black (2AD-FHV)

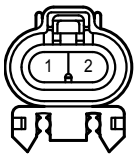
F 1
Black



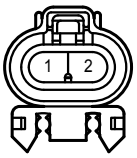
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

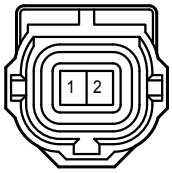
F 7

F 8

F 9

F 10

F 11
Black



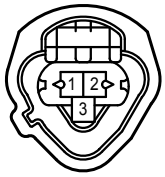
F 12
Black

F 13
Gray

F 14
Gray

F 16
Black (1CD-FTV, 2AD-FHV)

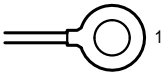
F 16
Gray (2AZ-FSE, 1AZ-FSE)



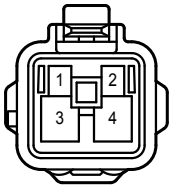
F 17
Black

F 18
Gray

G 1



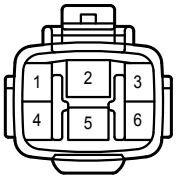
G 2
Gray



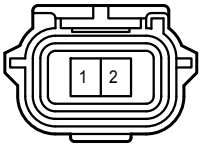
H 1
Gray

H 2
Gray

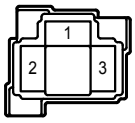
H 3
Black



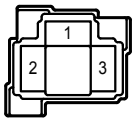
H 4
Black



H 5



H 6



H 11
Black

H 12
Black

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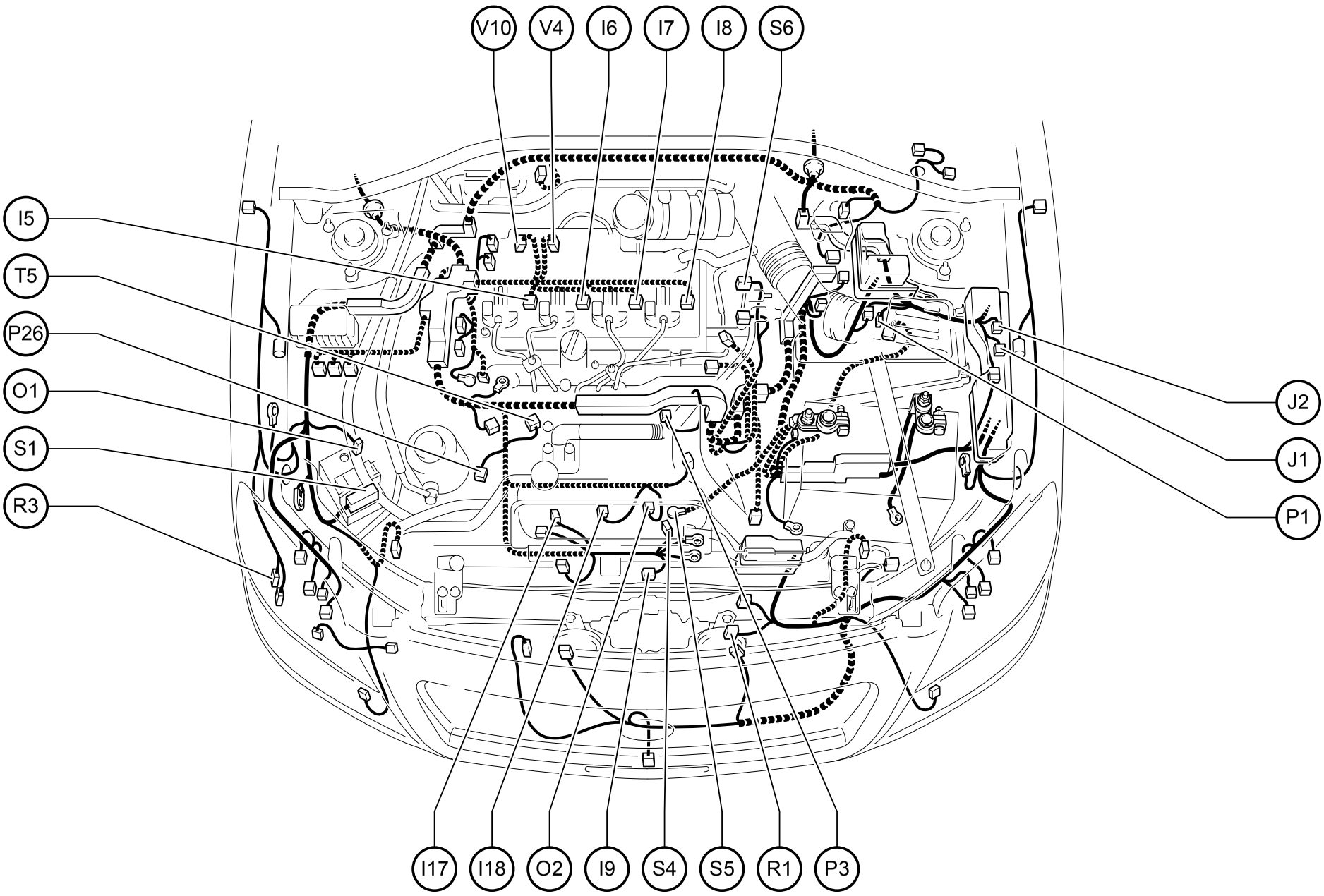
V10
V4
I6
I7
I8
S6
I5
T5
P26
O1
S1
R3
J2
J1
P1
I17
I18
O2
I9
S4
S5
R1
P3

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I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 9 Intake Air Temp. Sensor
I 17 Intake Shutter Assembly
I 18 Intake Shutter Assembly

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 1 Power Heater Assembly
P 3 Pressure Discharge Valve
P 26 Power Steering Oil Pressure Sensor

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)
S 6 Suction Control Valve

T 5 Turbo Pressure Sensor

V 4 VRV (EGR) (2AD-FHV, 2AD-FTV)
V 4 VRV (EGR) (1CD-FTV)
V 10 VSV (EGR)

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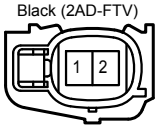
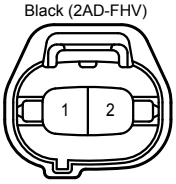
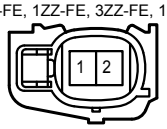
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

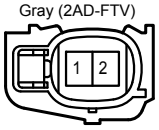


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

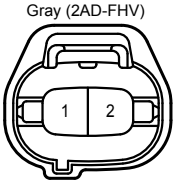


I 5
Black (2AZ-FSE, 1AZ-FSE)

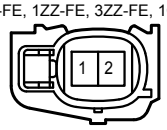
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

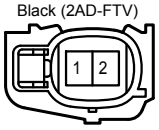


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

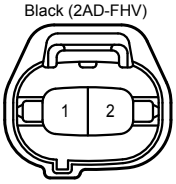


I 6
Gray (2AZ-FSE, 1AZ-FSE)

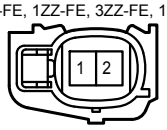
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

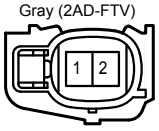


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



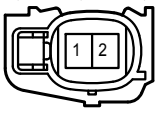
I 7
Black (2AZ-FSE, 1AZ-FSE)

I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



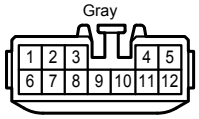
I 8
Gray (2AZ-FSE, 1AZ-FSE)

I 9
Gray

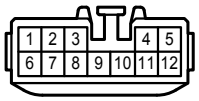
I 17
Black

I 18
Black

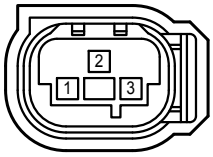
J 1
Gray



J 2
Black

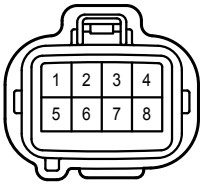


O 1
Black



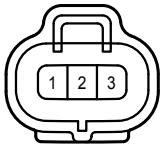
O 2
Gray

P 1
Black



P 3
Gray

P 26
Black



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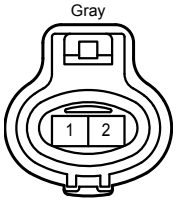
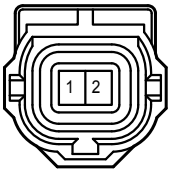
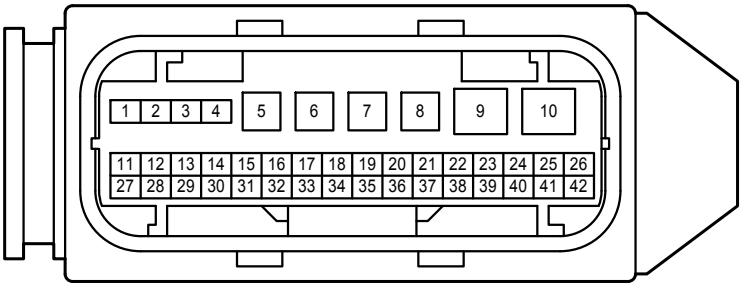
R 1
Gray



R 3
Red

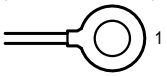


S 1
Black

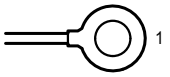


S 4
Black

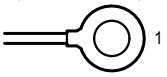
S 5
(2AD-FHV, 2AD-FTV)



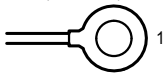
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)



S 5
(1CD-FTV)



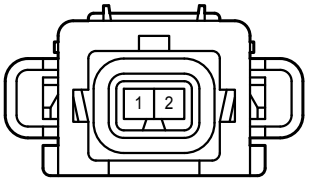
S 6
Gray

T 5
Black

V 4
Black (2AD-FHV, 2AD-FTV)

V 4
Black (1CD-FTV)

V 10
Black



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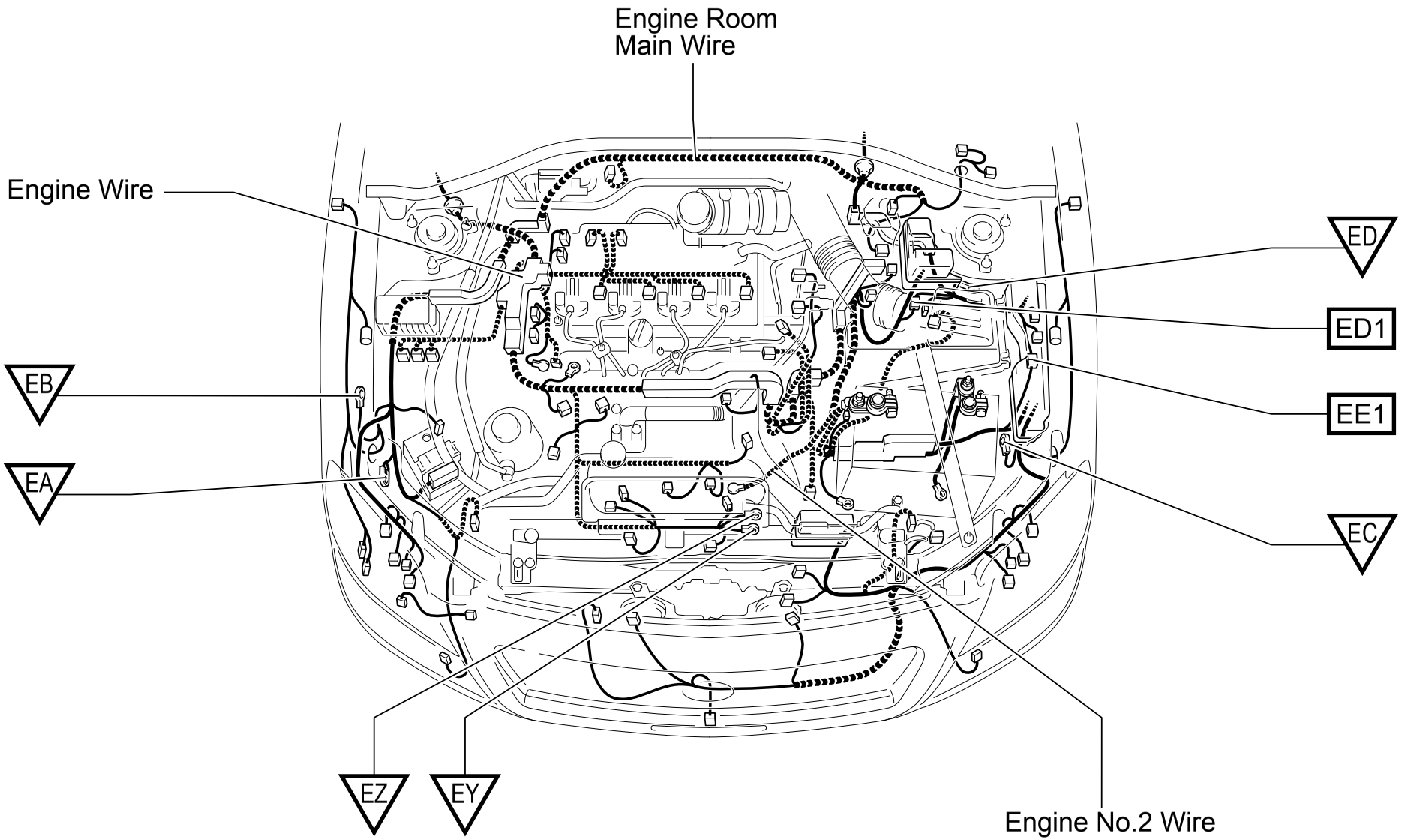
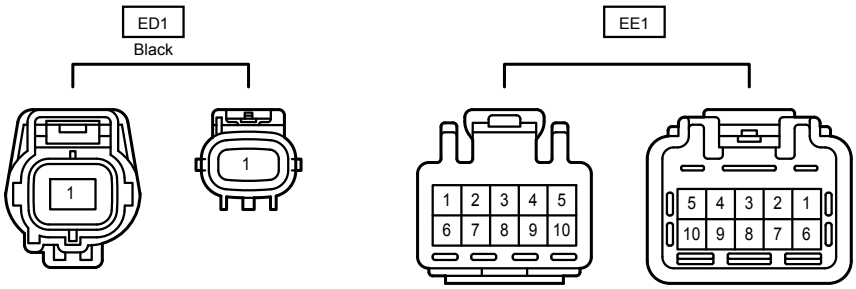
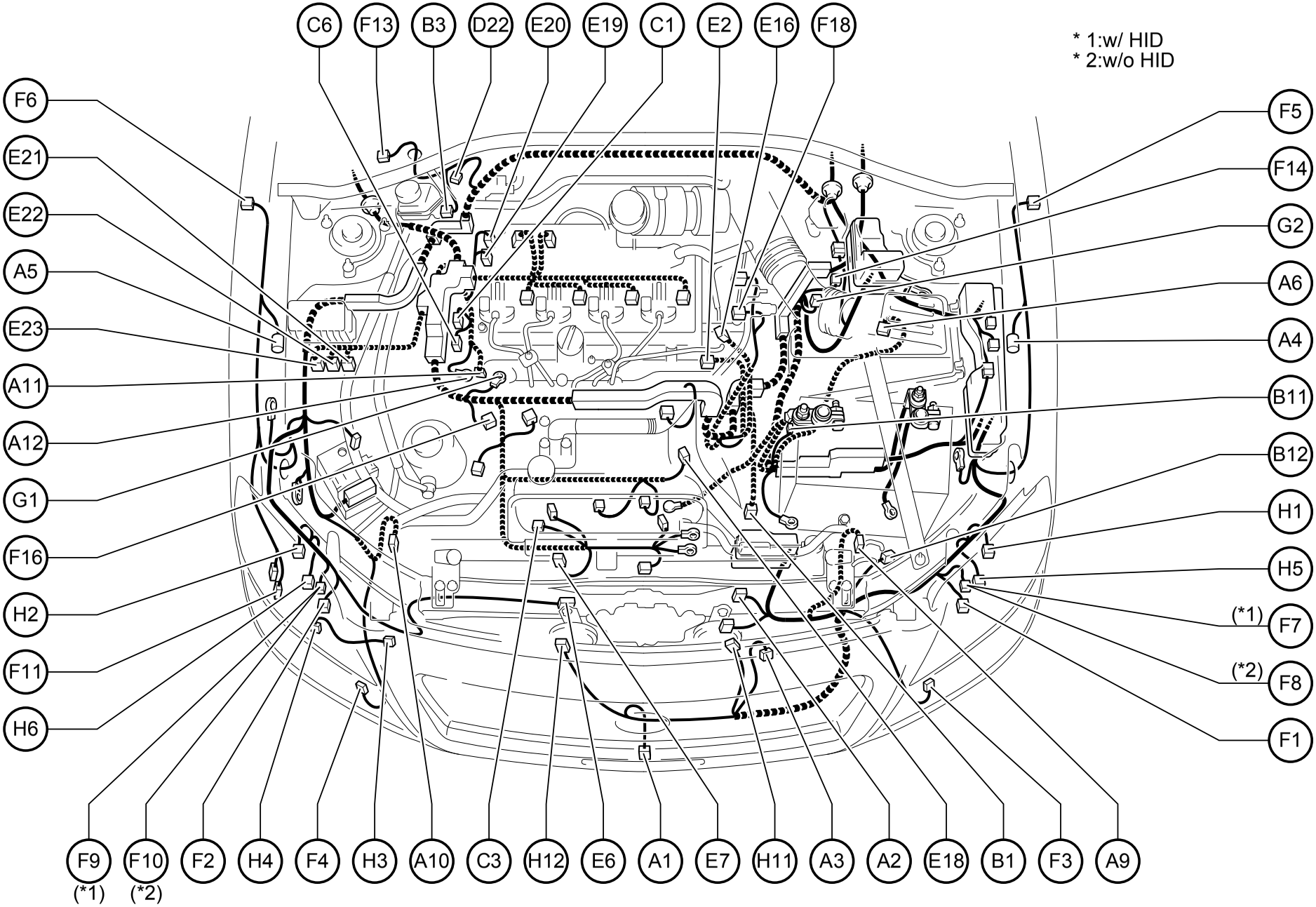

Engine Room
Main Wire
Engine Wire
ED
ED1
EE1
EB
EA
EC
EZ
EY
Engine No.2 Wire

http://vnx.su



http://vnx.su


C6
F13
B3
D22
E20
E19
C1
E2
E16
F18
* 1:w/ HID
* 2:w/o HID
F6
E21
E22
A5
E23
A11
A12
G1
F16
H2
F11
H6
F5
F14
G2
A6
A4
B11
B12
H1
H5
(*1)
F7
(*2)
F8
F1
F9
(*1)
F10
(*2)
F2
H4
F4
H3
A10
C3
H12
E6
A1
E7
H11
A3
A2
E18
B1
F3
A9

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A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW
B 11 Battery Current Sensor
B 12 Battery Thermometer Sensor

C 1 Camshaft Position Sensor
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

D 22 Differential Pressure Sensor

E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)
E 16 Exhaust Fuel Addition Injector Assembly
E 18 EGR Valve Position Sensor
E 19 Exhaust Gas Temperature Sensor (Front)
E 20 Exhaust Gas Temperature Sensor (Rear)
E 21 Electronic Driver Unit (2AD-FHV)
E 22 Electronic Driver Unit (2AD-FHV)
E 23 Electronic Driver Unit (2AD-FHV)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 16 Fuel Pressure Sensor (1CD-FTV, 2AD-FHV)
F 16 Fuel Pressure Sensor (2AZ-FSE, 1AZ-FSE)
F 18 Fuel Temp. Sensor

G 1 Glow Plug

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G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

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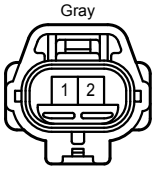
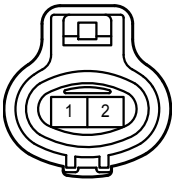
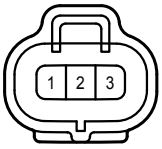
A 1
Gray



A 2
Black



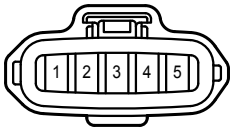
A 3
Black



A 4

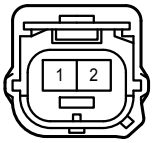
A 5

A 6
Black



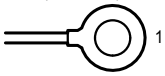
A 9
Yellow

A 10
Yellow

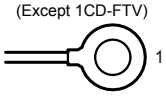


A 11
Black

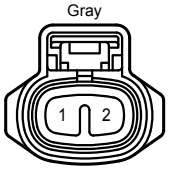
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)

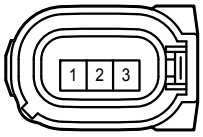


B 1
Gray

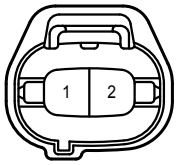


B 3
Black

B 11
Black

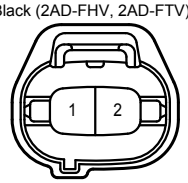


B 12
Black

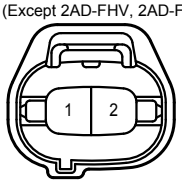


C 1
Black

C 3
Black (2AD-FHV, 2AD-FTV)



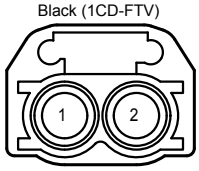
C 3
Gray (Except 2AD-FHV, 2AD-FTV)



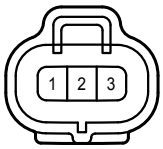
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



D 22
Black



E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

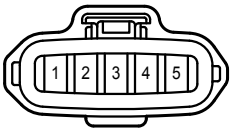
E 6
Black

E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

E 16
Black

E 18
Black



E 19
Gray

E 20
Dark Gray

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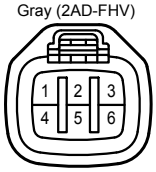
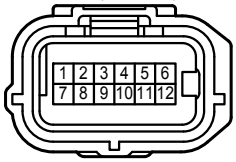
E 21
Gray (2AD-FHV)

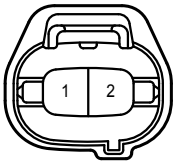


E 22
Black (2AD-FHV)

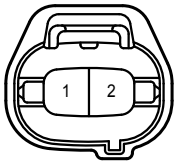


E 23
Black (2AD-FHV)

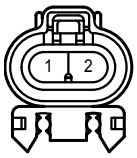
F 1
Black



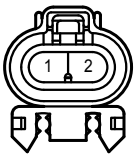
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

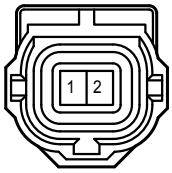
F 7

F 8

F 9

F 10

F 11
Black

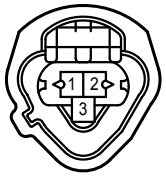


F 13
Gray

F 14
Gray

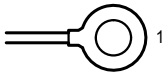
F 16
Black (1CD-FTV, 2AD-FHV)

F 16
Gray (2AZ-FSE, 1AZ-FSE)

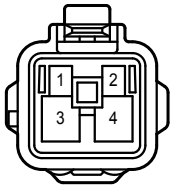


F 18
Gray

G 1



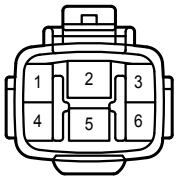
G 2
Gray



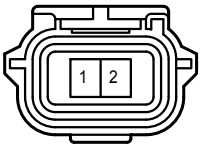
H 1
Gray

H 2
Gray

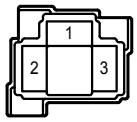
H 3
Black



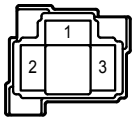
H 4
Black



H 5



H 6



H 11
Black

H 12
Black

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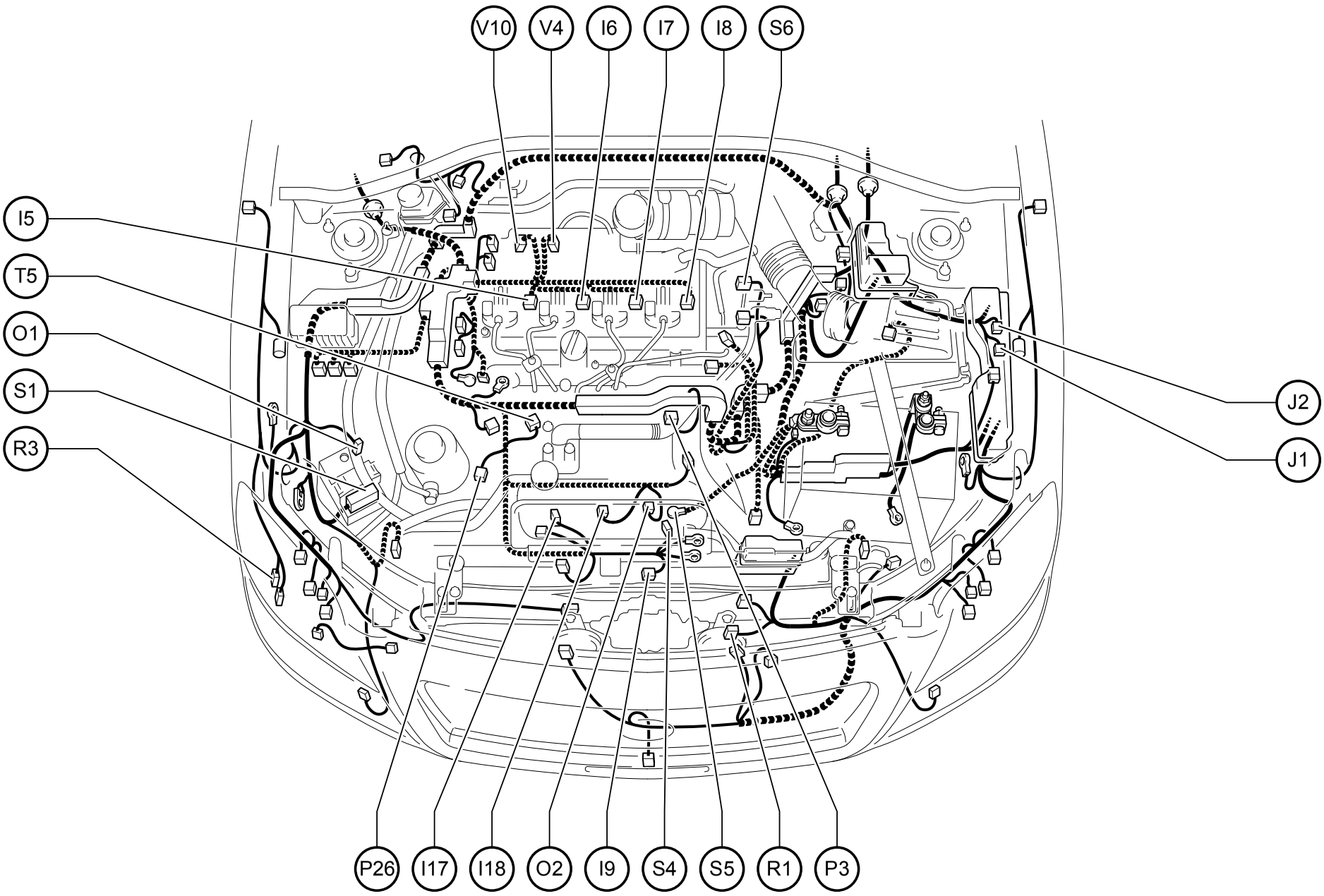

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I	5	Injector No.1 (2AD-FTV)
I	5	Injector No.1 (2AD-FHV)
I	5	Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I	5	Injector No.1 (2AZ-FSE, 1AZ-FSE)
I	6	Injector No.2 (2AD-FTV)
I	6	Injector No.2 (2AD-FHV)
I	6	Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I	6	Injector No.2 (2AZ-FSE, 1AZ-FSE)
I	7	Injector No.3 (2AD-FTV)
I	7	Injector No.3 (2AD-FHV)
I	7	Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I	7	Injector No.3 (2AZ-FSE, 1AZ-FSE)
I	8	Injector No.4 (2AD-FTV)
I	8	Injector No.4 (2AD-FHV)
I	8	Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I	8	Injector No.4 (2AZ-FSE, 1AZ-FSE)
I	9	Intake Air Temp. Sensor
I	17	Intake Shutter Assembly
I	18	Intake Shutter Assembly
J	1	Junction Connector
J	2	Junction Connector
O	1	Oil Pressure Sensor
O	2	Oil Pressure SW
P	3	Pressure Discharge Valve
P	26	Power Steering Oil Pressure Sensor
R	1	Radiator Fan Motor
R	3	Rear Washer Motor
S	1	Skid Control ECU with Actuator
S	4	Starter
S	5	Starter (2AD-FHV, 2AD-FTV)
S	5	Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S	5	Starter (1ZZ-FE, 3ZZ-FE)
S	5	Starter (1CD-FTV)
S	6	Suction Control Valve
T	5	Turbo Pressure Sensor
V	4	VRV (EGR) (2AD-FHV, 2AD-FTV)
V	4	VRV (EGR) (1CD-FTV)
V	10	VSV (EGR)

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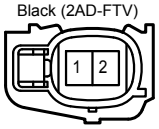
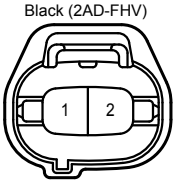
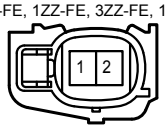
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

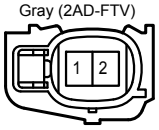


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

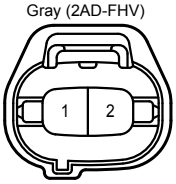


I 5
Black (2AZ-FSE, 1AZ-FSE)

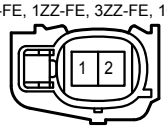
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

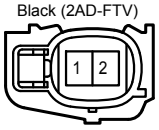


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

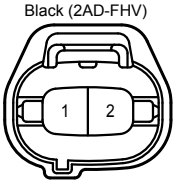


I 6
Gray (2AZ-FSE, 1AZ-FSE)

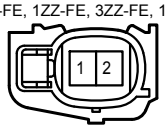
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

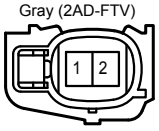


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



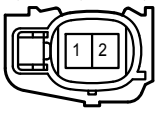
I 7
Black (2AZ-FSE, 1AZ-FSE)

I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



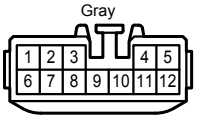
I 8
Gray (2AZ-FSE, 1AZ-FSE)

I 9
Gray

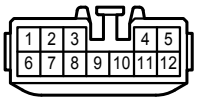
I 17
Black

I 18
Black

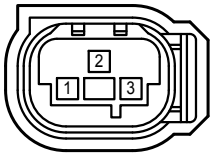
J 1
Gray



J 2
Black



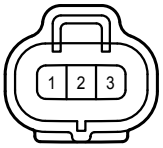
O 1
Black



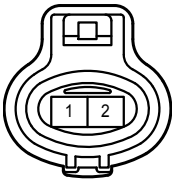
O 2
Gray

P 3
Gray

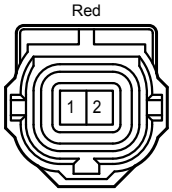
P 26
Black



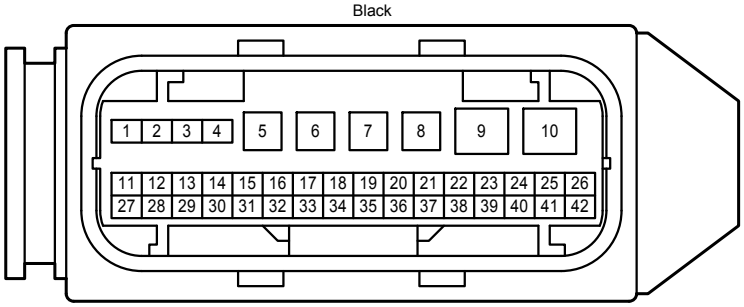
R 1
Gray



R 3
Red



S 1
Black



S 4
Black

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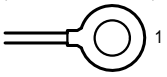
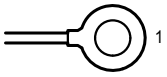
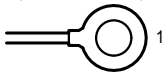
S 5
(2AD-FHV, 2AD-FTV)



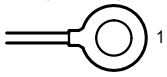
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)

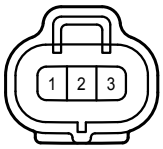


S 5
(1CD-FTV)



S 6
Gray

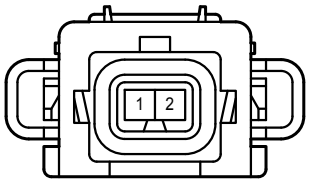
T 5
Black



V 4
Black (2AD-FHV, 2AD-FTV)

V 4
Black (1CD-FTV)

V 10
Black



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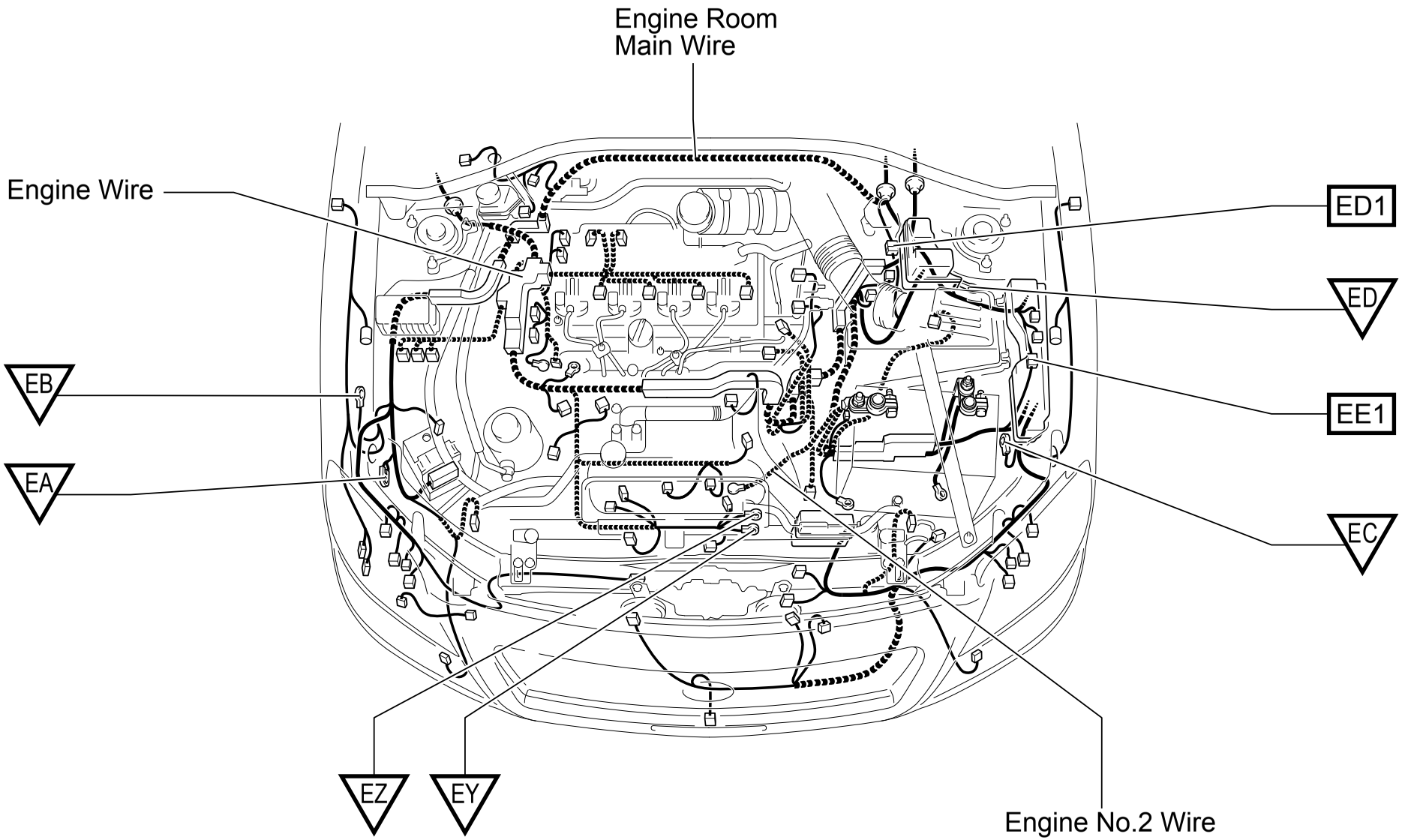
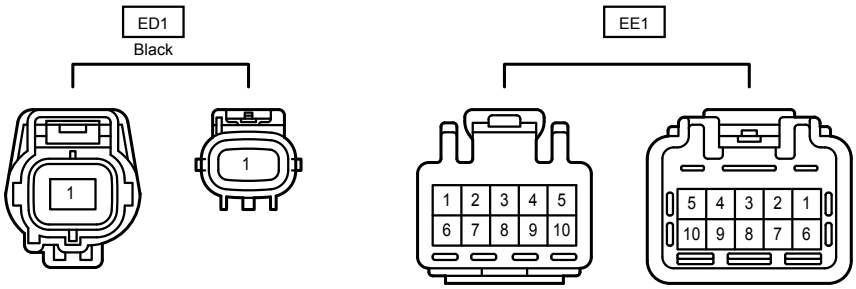
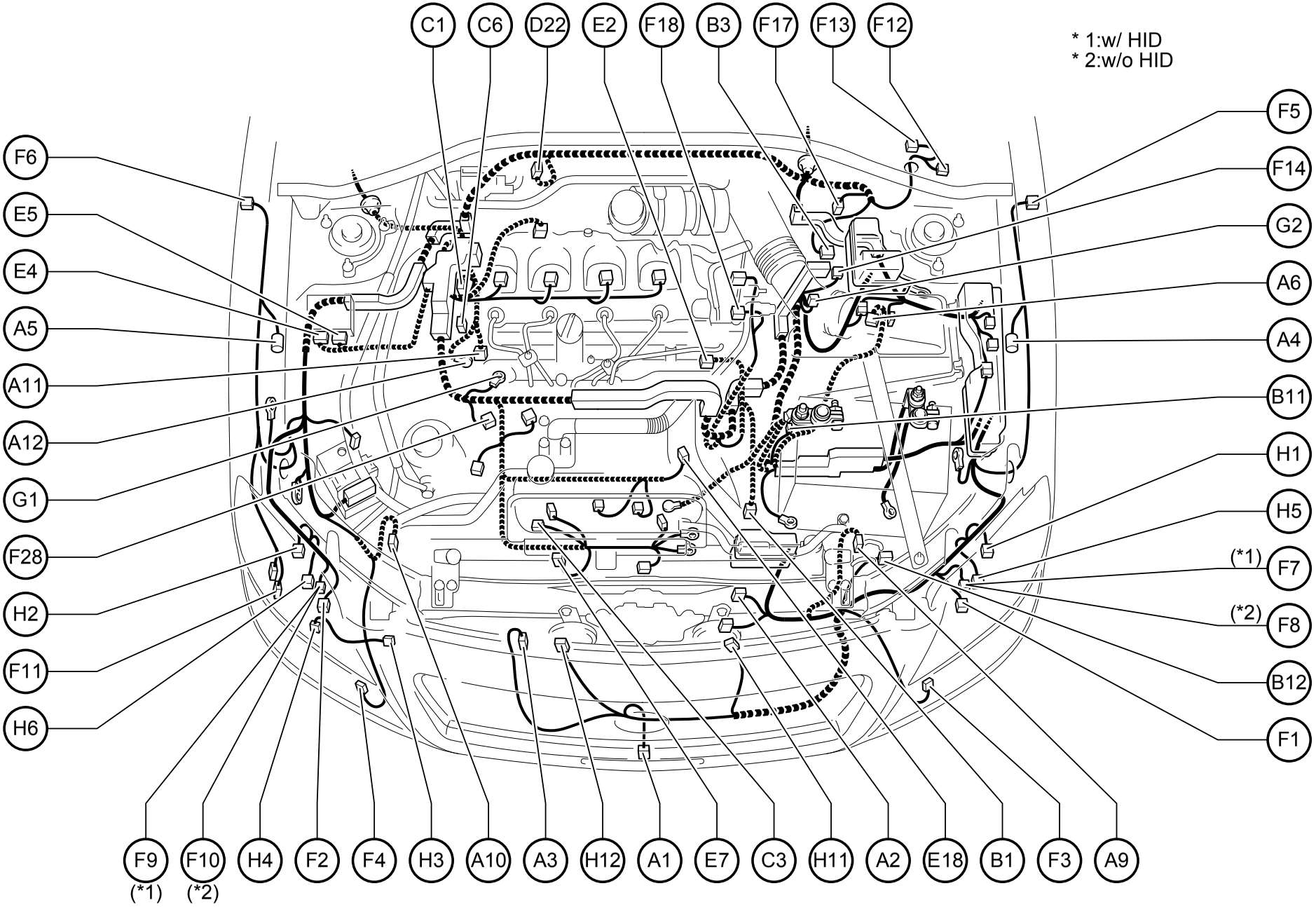

Engine Room
Main Wire
Engine Wire
ED1
ED
EB
EE1
EA
EC
EZ
EY
Engine No.2 Wire

http://vnx.su



http://vnx.su


C1
C6
D22
E2
F18
B3
F17
F13
F12
* 1:w/ HID
* 2:w/o HID
F5
F14
G2
A6
A4
B11
H1
H5
(*1)
F7
(*2)
F8
B12
F1
F6
E5
E4
A5
A11
A12
G1
F28
H2
F11
H6
F9
(*1)
F10
(*2)
H4
F2
F4
H3
A10
A3
H12
A1
E7
C3
H11
A2
E18
B1
F3
A9

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A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW
B 11 Battery Current Sensor
B 12 Battery Thermometer Sensor

C 1 Camshaft Position Sensor
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

D 22 Differential Pressure Sensor

E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit (1CD-FTV, 2AD-FTV)
E 5 Electronic Driver Unit (2AZ-FSE, 1AZ-FSE)
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)
E 18 EGR Valve Position Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 17 Fuel Pump
F 18 Fuel Temp. Sensor
F 28 Fuel Pressure Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH

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H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

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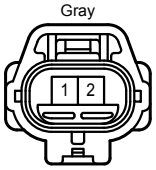
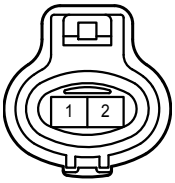
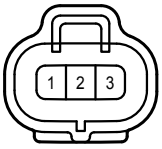
A 1
Gray



A 2
Black



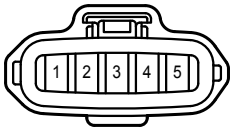
A 3
Black



A 4

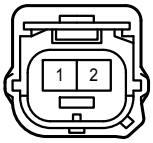
A 5

A 6
Black



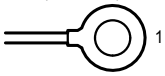
A 9
Yellow

A 10
Yellow

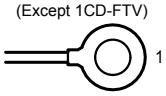


A 11
Black

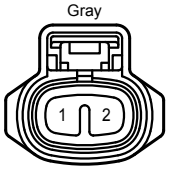
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)

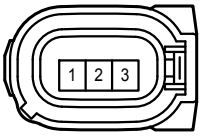


B 1
Gray

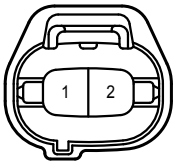


B 3
Black

B 11
Black

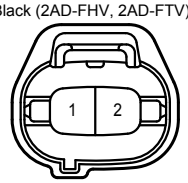


B 12
Black

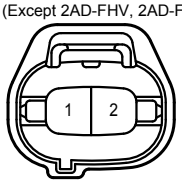


C 1
Black

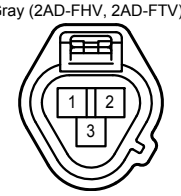
C 3
Black (2AD-FHV, 2AD-FTV)



C 3
Gray (Except 2AD-FHV, 2AD-FTV)

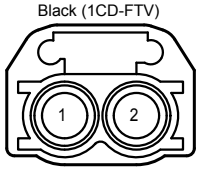


C 6
Gray (2AD-FHV, 2AD-FTV)

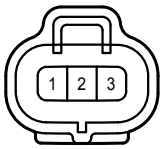


C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



D 22
Black



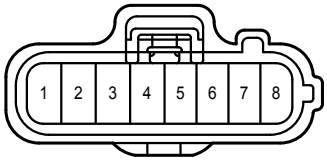
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

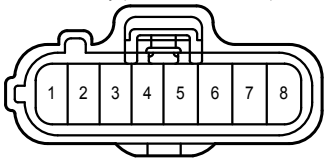
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

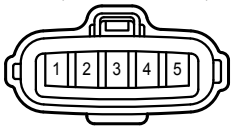
E 4
Black



E 5
Dark Gray (1CD-FTV, 2AD-FTV)



E 5
Black (2AZ-FSE, 1AZ-FSE)



E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

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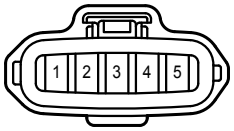
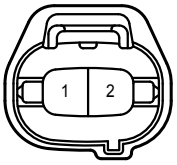
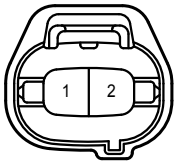
E 18
Black



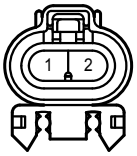
F 1
Black



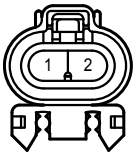
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

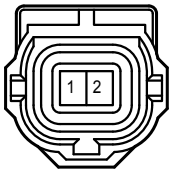
F 7

F 8

F 9

F 10

F 11
Black



F 12
Black

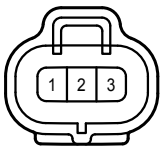
F 13
Gray

F 14
Gray

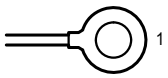
F 17
Black

F 18
Gray

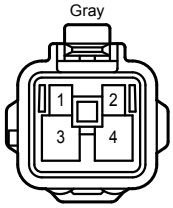
F 28
Black



G 1



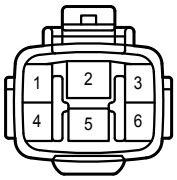
G 2
Gray



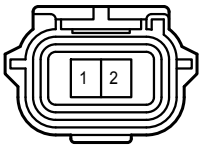
H 1
Gray

H 2
Gray

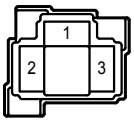
H 3
Black



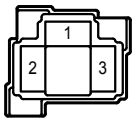
H 4
Black



H 5



H 6



H 11
Black

H 12
Black

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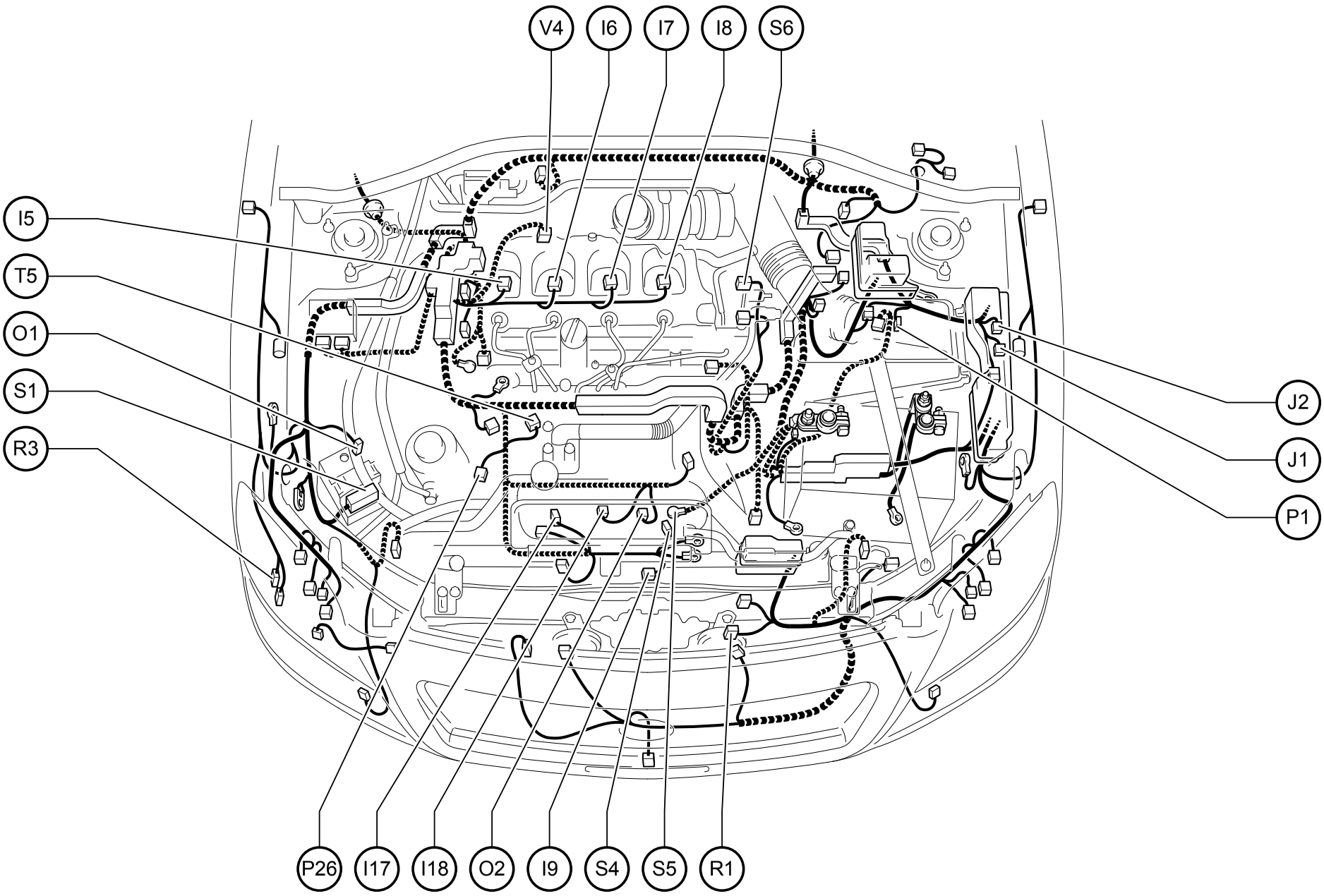

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I	5	Injector No.1 (2AD-FTV)
I	5	Injector No.1 (2AD-FHV)
I	5	Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I	5	Injector No.1 (2AZ-FSE, 1AZ-FSE)
I	6	Injector No.2 (2AD-FTV)
I	6	Injector No.2 (2AD-FHV)
I	6	Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I	6	Injector No.2 (2AZ-FSE, 1AZ-FSE)
I	7	Injector No.3 (2AD-FTV)
I	7	Injector No.3 (2AD-FHV)
I	7	Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I	7	Injector No.3 (2AZ-FSE, 1AZ-FSE)
I	8	Injector No.4 (2AD-FTV)
I	8	Injector No.4 (2AD-FHV)
I	8	Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I	8	Injector No.4 (2AZ-FSE, 1AZ-FSE)
I	9	Intake Air Temp. Sensor
I	17	Intake Shutter Assembly
I	18	Intake Shutter Assembly
J	1	Junction Connector
J	2	Junction Connector
O	1	Oil Pressure Sensor
O	2	Oil Pressure SW
P	1	Power Heater Assembly
P	26	Power Steering Oil Pressure Sensor
R	1	Radiator Fan Motor
R	3	Rear Washer Motor
S	1	Skid Control ECU with Actuator
S	4	Starter
S	5	Starter (2AD-FHV, 2AD-FTV)
S	5	Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S	5	Starter (1ZZ-FE, 3ZZ-FE)
S	5	Starter (1CD-FTV)
S	6	Suction Control Valve
T	5	Turbo Pressure Sensor
V	4	VRV (EGR) (2AD-FHV, 2AD-FTV)
V	4	VRV (EGR) (1CD-FTV)

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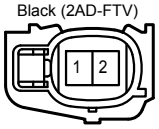
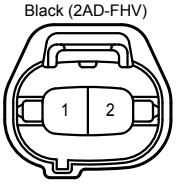
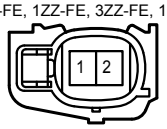
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

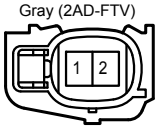


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

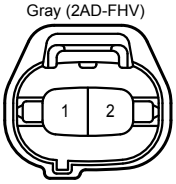


I 5
Black (2AZ-FSE, 1AZ-FSE)

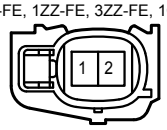
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

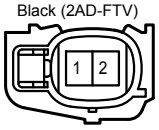


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

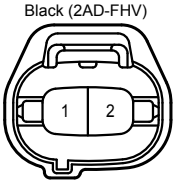


I 6
Gray (2AZ-FSE, 1AZ-FSE)

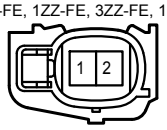
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

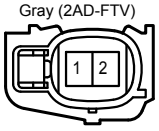


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



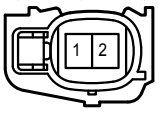
I 7
Black (2AZ-FSE, 1AZ-FSE)

I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



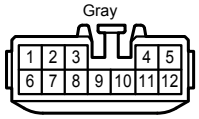
I 8
Gray (2AZ-FSE, 1AZ-FSE)

I 9
Gray

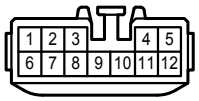
I 17
Black

I 18
Black

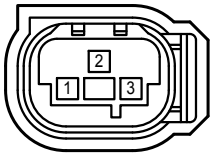
J 1
Gray



J 2
Black

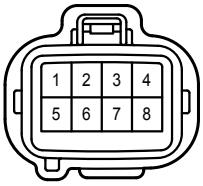


O 1
Black



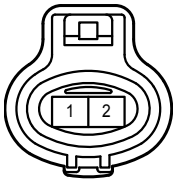
O 2
Gray

P 1
Black



P 26
Black

R 1
Gray



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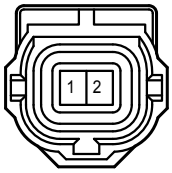
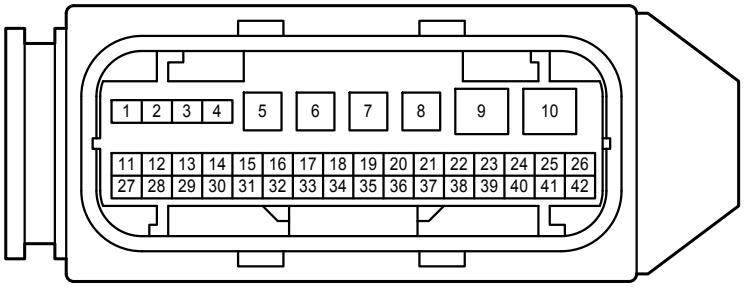
R 3
Red

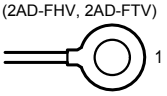


S 1
Black

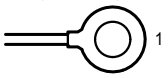


S 4
Black

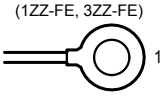
S 5
(2AD-FHV, 2AD-FTV)



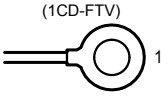
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)

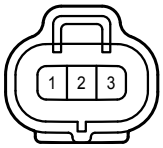


S 5
(1CD-FTV)



S 6
Gray

T 5
Black



V 4
Black (2AD-FHV, 2AD-FTV)

V 4
Black (1CD-FTV)

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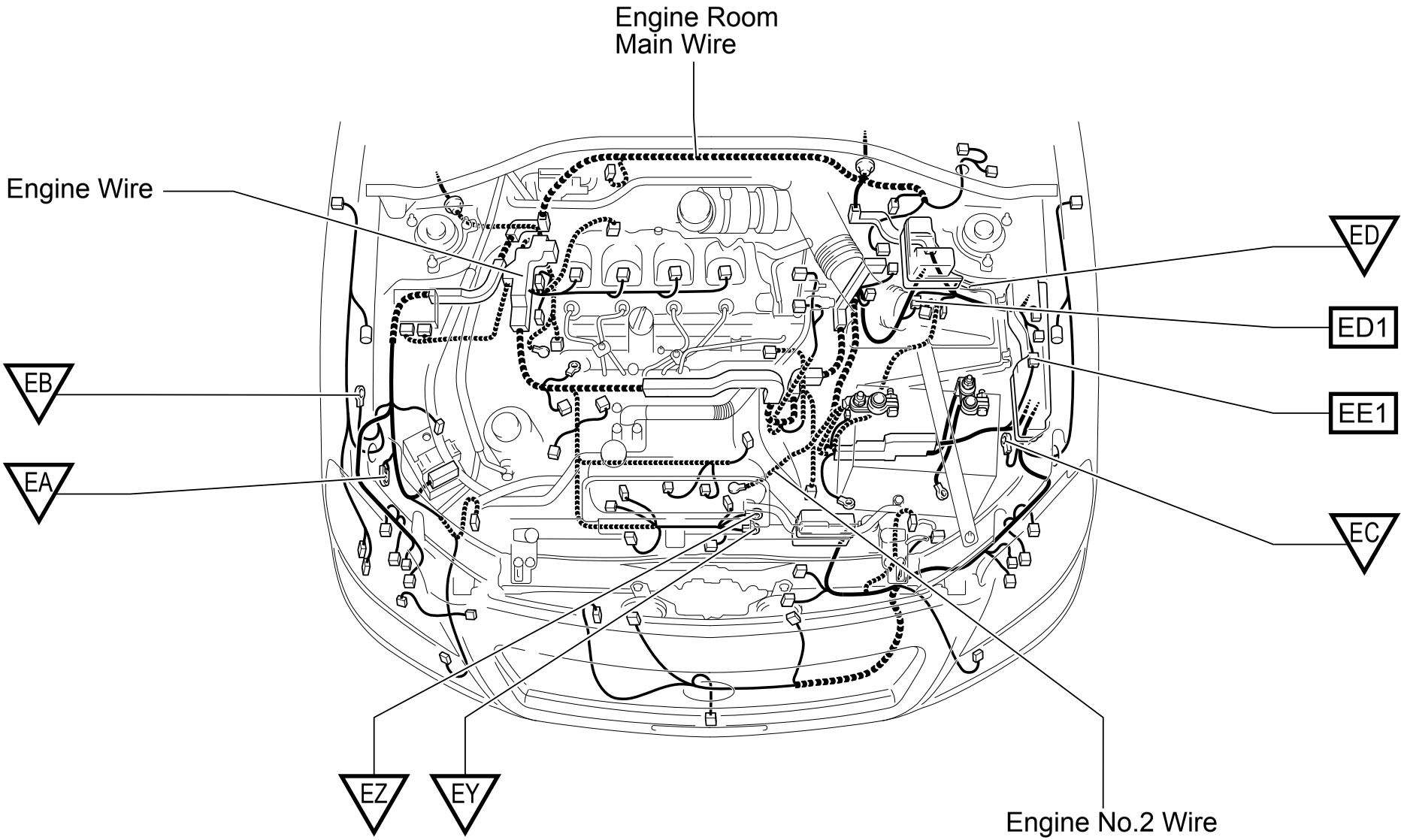
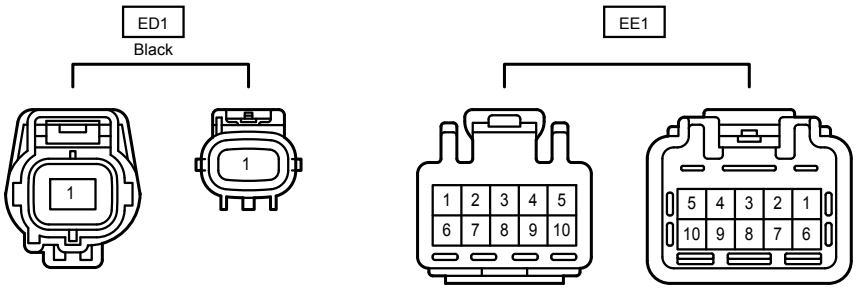
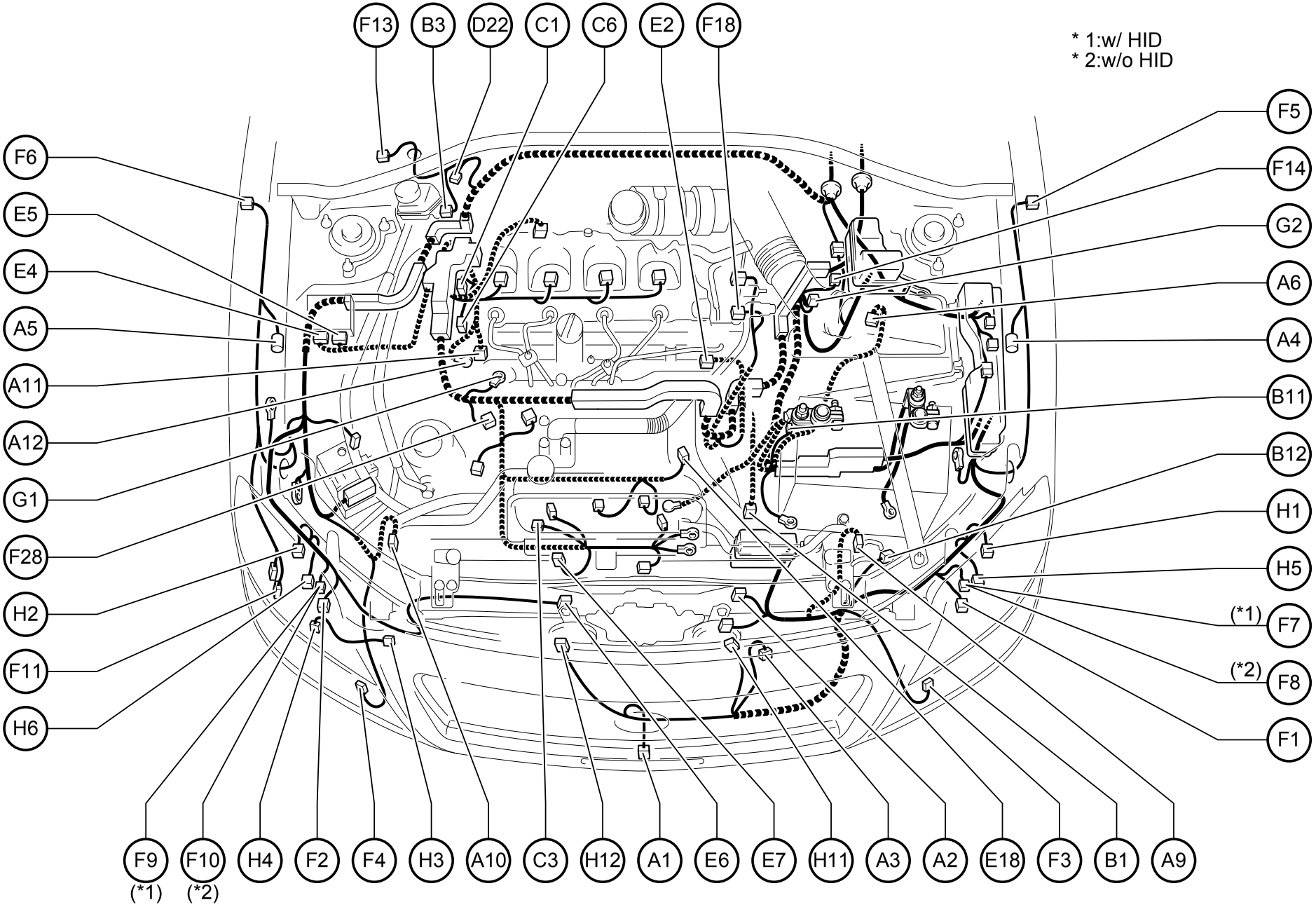

Engine Room
Main Wire
Engine Wire
ED
ED1
EE1
EB
EA
EC
EZ
EY
Engine No.2 Wire

http://vnx.su



http://vnx.su


F13
B3
D22
C1
C6
E2
F18
* 1:w/ HID
* 2:w/o HID
F5
F14
G2
A6
A4
B11
B12
H1
H5
(*1)
F7
(*2)
F8
F1
F6
E5
E4
A5
A11
A12
G1
F28
H2
F11
H6
F9
(*1)
F10
(*2)
H4
F2
F4
H3
A10
C3
H12
A1
E6
E7
H11
A3
A2
E18
F3
B1
A9

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A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW
B 11 Battery Current Sensor
B 12 Battery Thermometer Sensor

C 1 Camshaft Position Sensor
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

D 22 Differential Pressure Sensor

E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit (1CD-FTV, 2AD-FTV)
E 5 Electronic Driver Unit (2AZ-FSE, 1AZ-FSE)
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)
E 18 EGR Valve Position Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 18 Fuel Temp. Sensor
F 28 Fuel Pressure Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH

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H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

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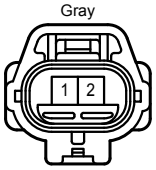
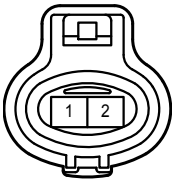
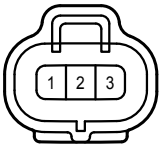
A 1
Gray



A 2
Black



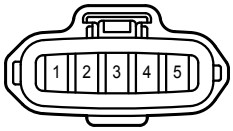
A 3
Black



A 4

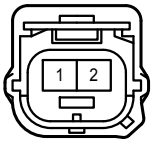
A 5

A 6
Black



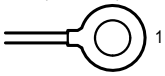
A 9
Yellow

A 10
Yellow

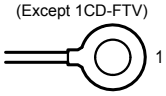


A 11
Black

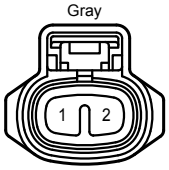
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)

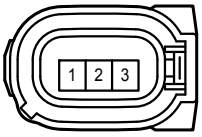


B 1
Gray

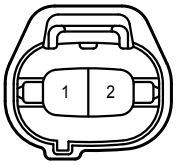


B 3
Black

B 11
Black

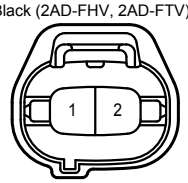


B 12
Black

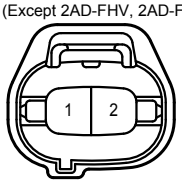


C 1
Black

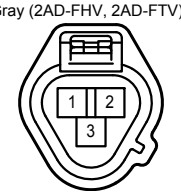
C 3
Black (2AD-FHV, 2AD-FTV)



C 3
Gray (Except 2AD-FHV, 2AD-FTV)

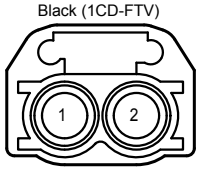


C 6
Gray (2AD-FHV, 2AD-FTV)

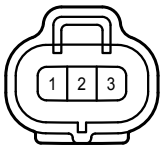


C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



D 22
Black



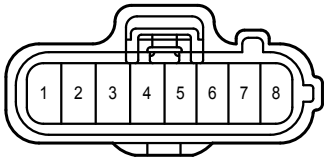
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

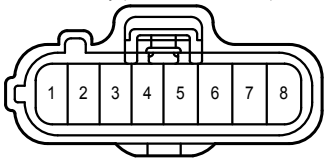
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

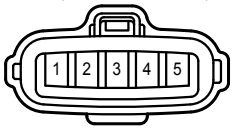
E 4
Black



E 5
Dark Gray (1CD-FTV, 2AD-FTV)



E 5
Black (2AZ-FSE, 1AZ-FSE)



E 6
Black

E 7
Gray (2AZ-FSE)

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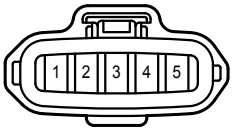
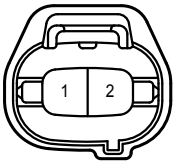
E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

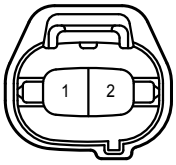
E 18
Black



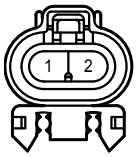
F 1
Black



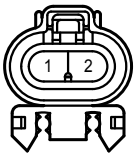
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

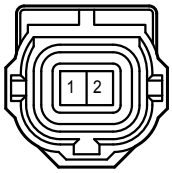
F 7

F 8

F 9

F 10

F 11
Black

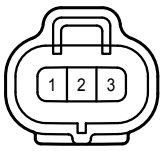


F 13
Gray

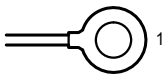
F 14
Gray

F 18
Gray

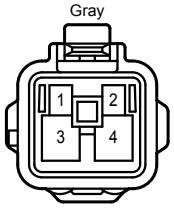
F 28
Black



G 1



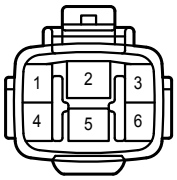
G 2
Gray



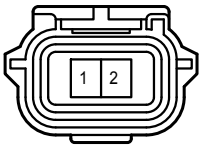
H 1
Gray

H 2
Gray

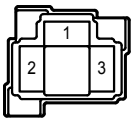
H 3
Black



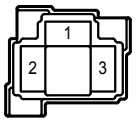
H 4
Black



H 5



H 6



H 11
Black

H 12
Black

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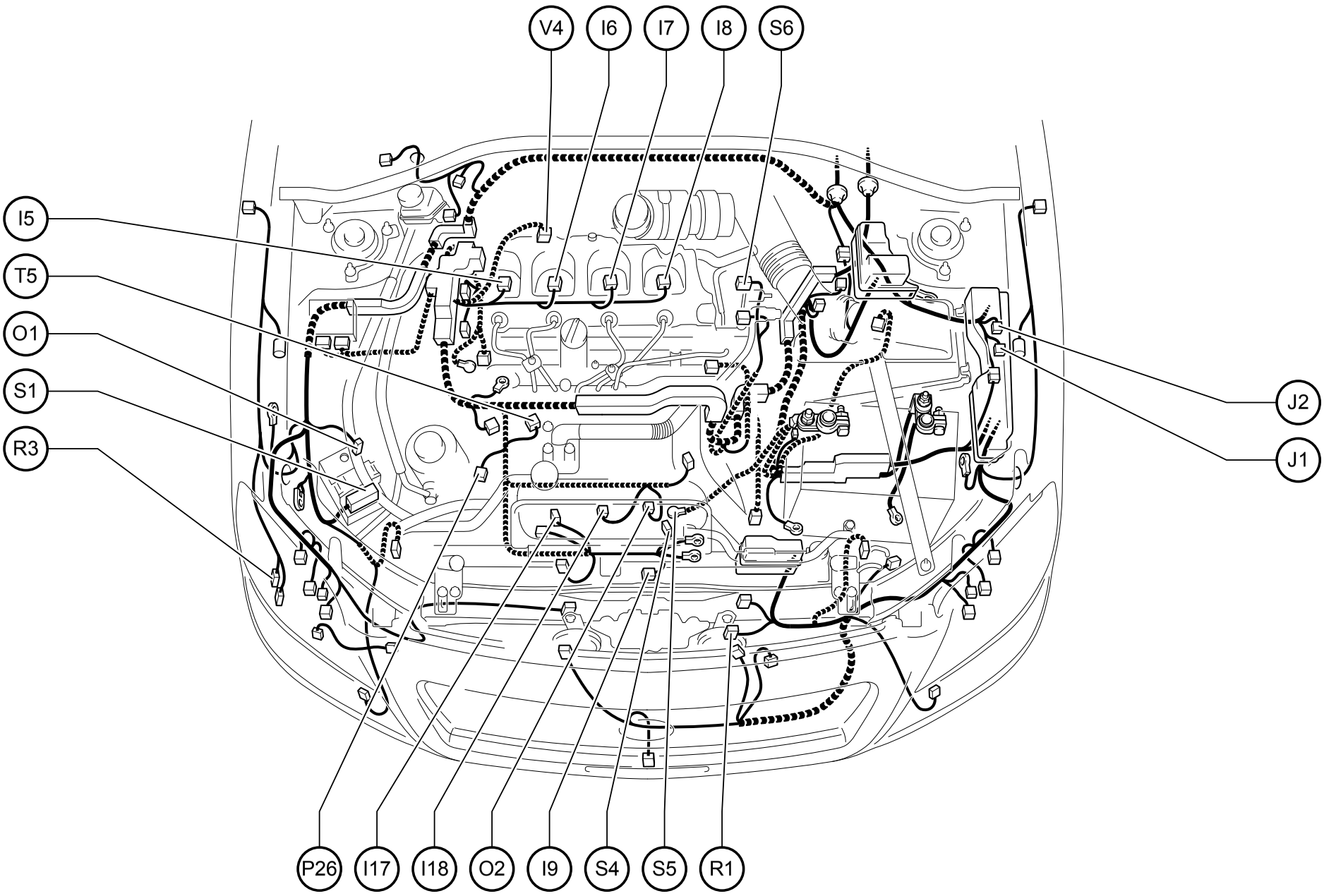

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I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 9 Intake Air Temp. Sensor
I 17 Intake Shutter Assembly
I 18 Intake Shutter Assembly

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 26 Power Steering Oil Pressure Sensor

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)
S 6 Suction Control Valve

T 5 Turbo Pressure Sensor

V 4 VRV (EGR) (2AD-FHV, 2AD-FTV)
V 4 VRV (EGR) (1CD-FTV)

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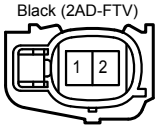
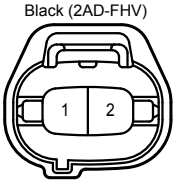
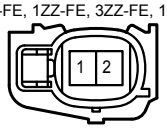
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

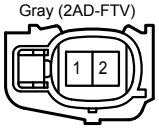


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

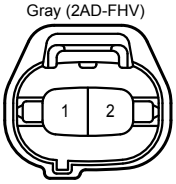


I 5
Black (2AZ-FSE, 1AZ-FSE)

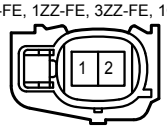
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

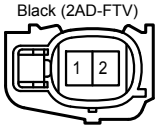


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

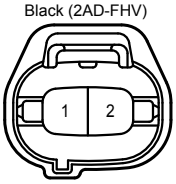


I 6
Gray (2AZ-FSE, 1AZ-FSE)

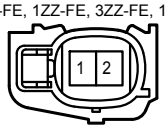
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

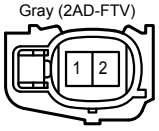


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



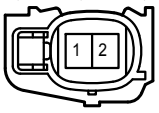
I 7
Black (2AZ-FSE, 1AZ-FSE)

I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



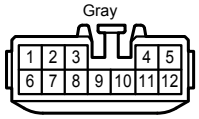
I 8
Gray (2AZ-FSE, 1AZ-FSE)

I 9
Gray

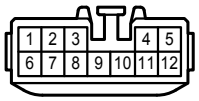
I 17
Black

I 18
Black

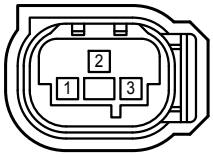
J 1
Gray



J 2
Black

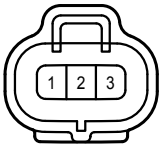


O 1
Black

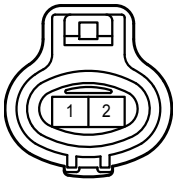


O 2
Gray

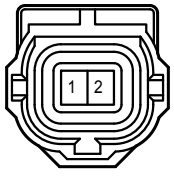
P 26
Black



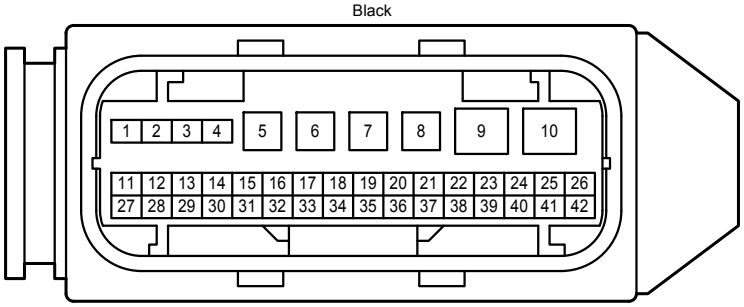
R 1
Gray



R 3
Red

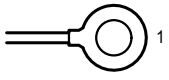


S 1
Black



S 4
Black

S 5
(2AD-FHV, 2AD-FTV)



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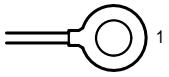
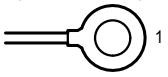
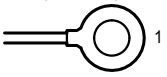
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)



S 5
(1CD-FTV)



S 6
Gray

T 5
Black

V 4
Black (2AD-FHV, 2AD-FTV)

V 4
Black (1CD-FTV)

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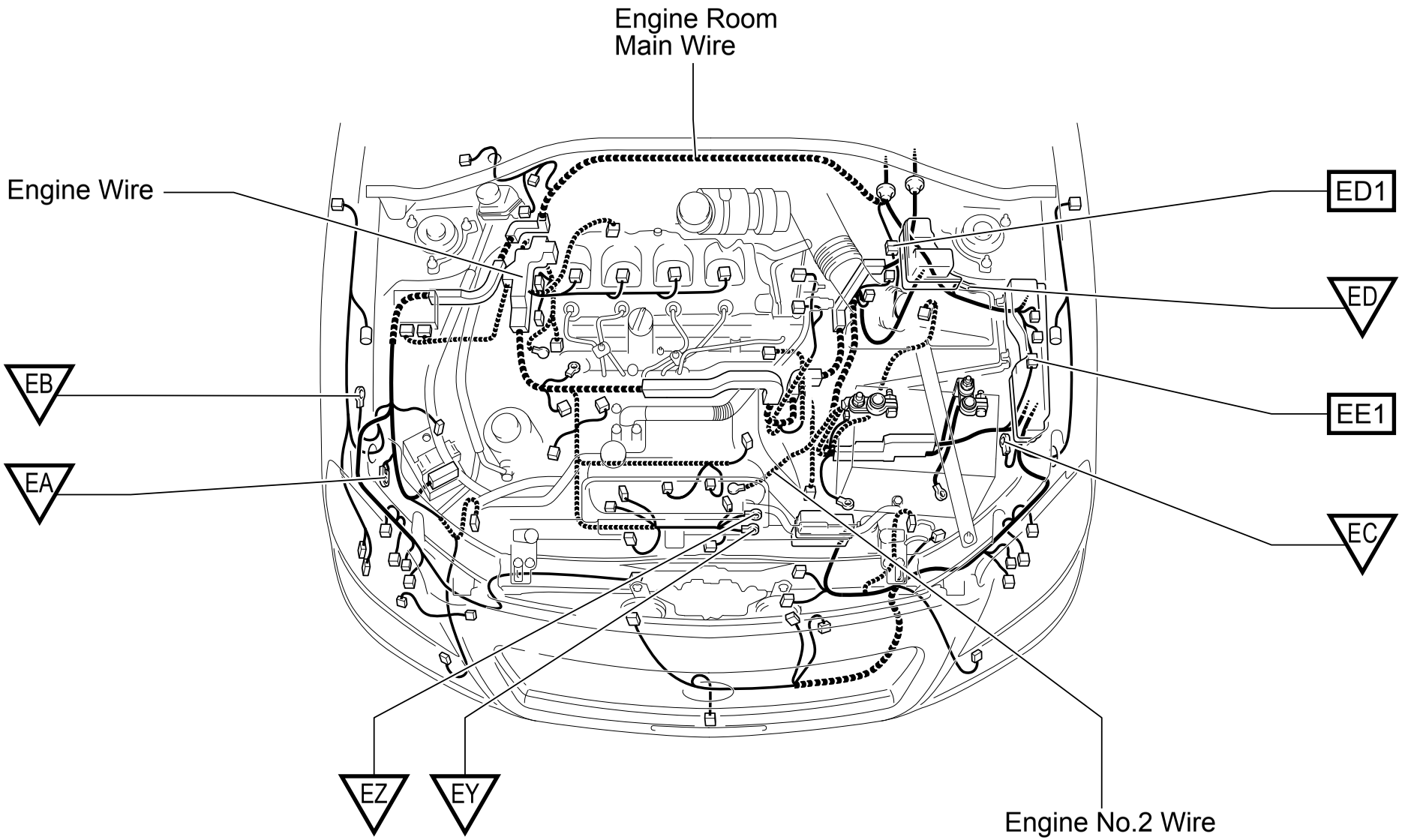
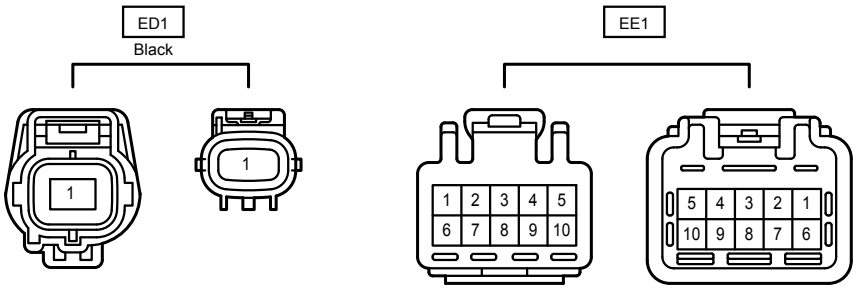
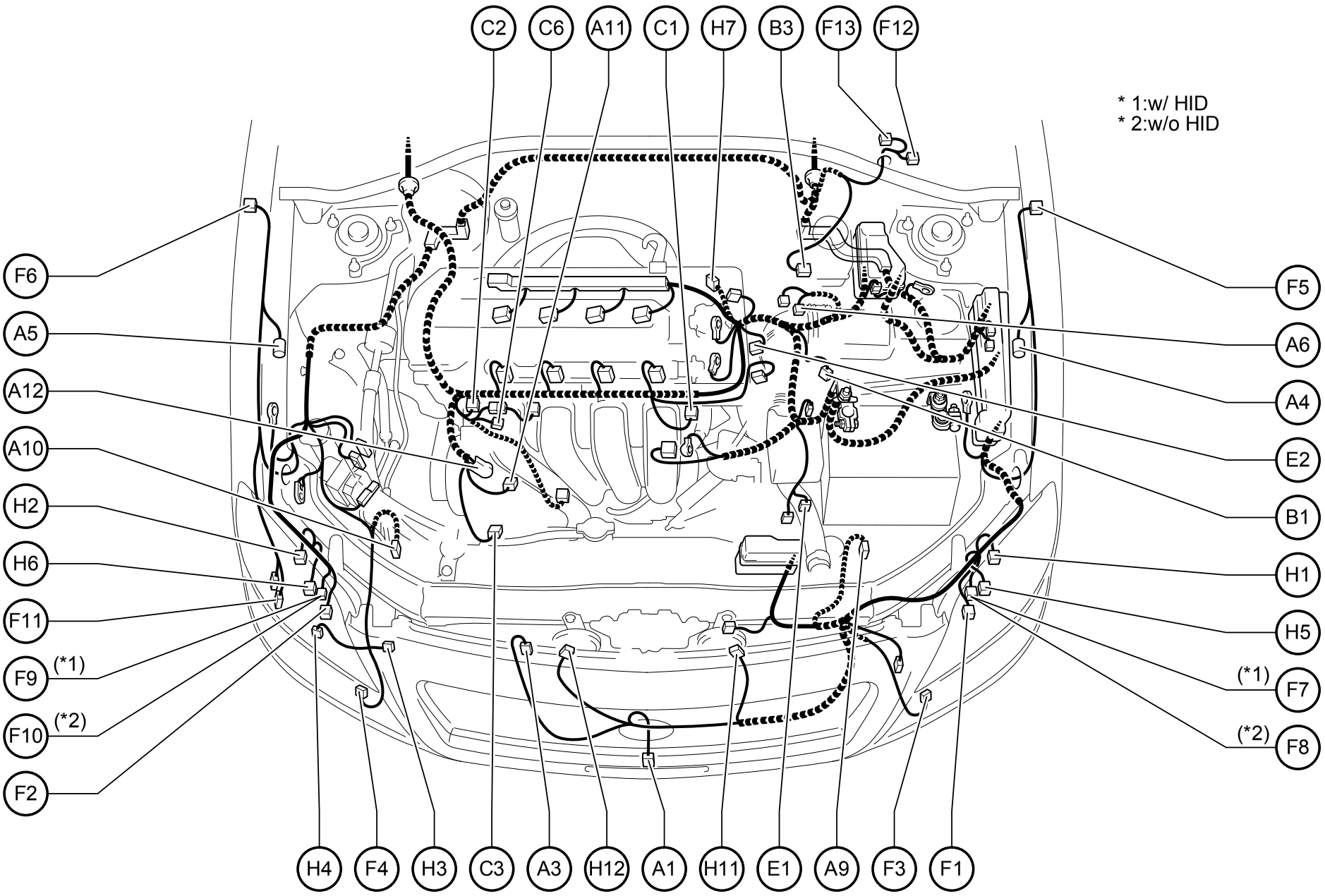

Engine Room
Main Wire
Engine Wire
ED1
ED
EB
EE1
EA
EC
EZ
EY
Engine No.2 Wire

http://vnx.su



http://vnx.su


C2
C6
A11
C1
H7
B3
F13
F12
* 1:w/ HID
* 2:w/o HID
F6
A5
A12
A10
H2
H6
F11
F9 (*1)
F10 (*2)
F2
F5
A6
A4
E2
B1
H1
H5
(*1) F7
(*2) F8
H4
F4
H3
C3
A3
H12
A1
H11
E1
A9
F3
F1

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A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

E 1 ECT Solenoid (2AZ-FSE)
E 1 ECT Solenoid (Except 2AZ-FSE)
E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ-FE, 3ZZ-FE)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (2AZ-FSE, 1AZ-FSE)
H 11 Horn LH
H 12 Horn RH

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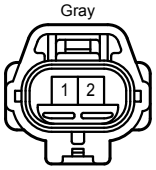
A 1
Gray

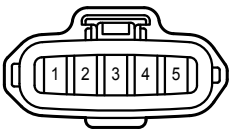


A 3
Black

A 4

A 5

A 6
Black

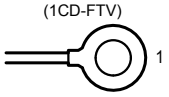


A 9
Yellow

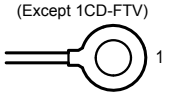
A 10
Yellow

A 11
Black

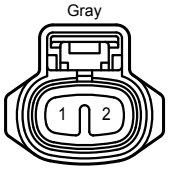
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)



B 1
Gray

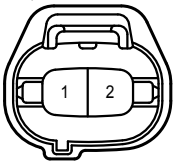


B 3
Black

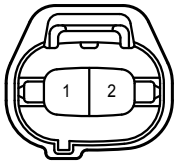
C 1
Black

C 2
Black

C 3
Black (2AD-FHV, 2AD-FTV)



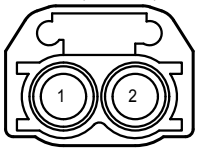
C 3
Gray (Except 2AD-FHV, 2AD-FTV)



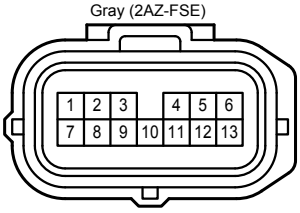
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



E 1
Gray (2AZ-FSE)



E 1
Gray (Except 2AZ-FSE)

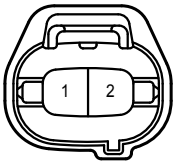
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

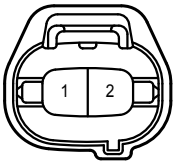
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

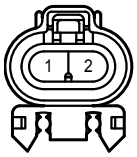
F 1
Black



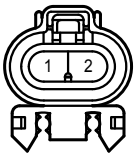
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

F 7

F 8

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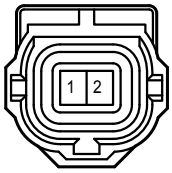
F 9

F 10

F 11
Black



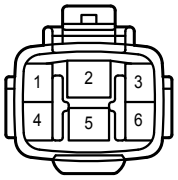
F 12
Black

F 13
Gray

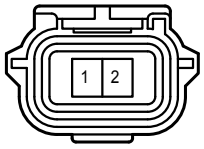
H 1
Gray

H 2
Gray

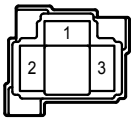
H 3
Black



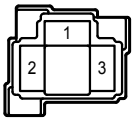
H 4
Black



H 5



H 6



H 7
Gray (1ZZ-FE, 3ZZ-FE)

H 7
Gray (2AZ-FSE, 1AZ-FSE)

H 11
Black

H 12
Black

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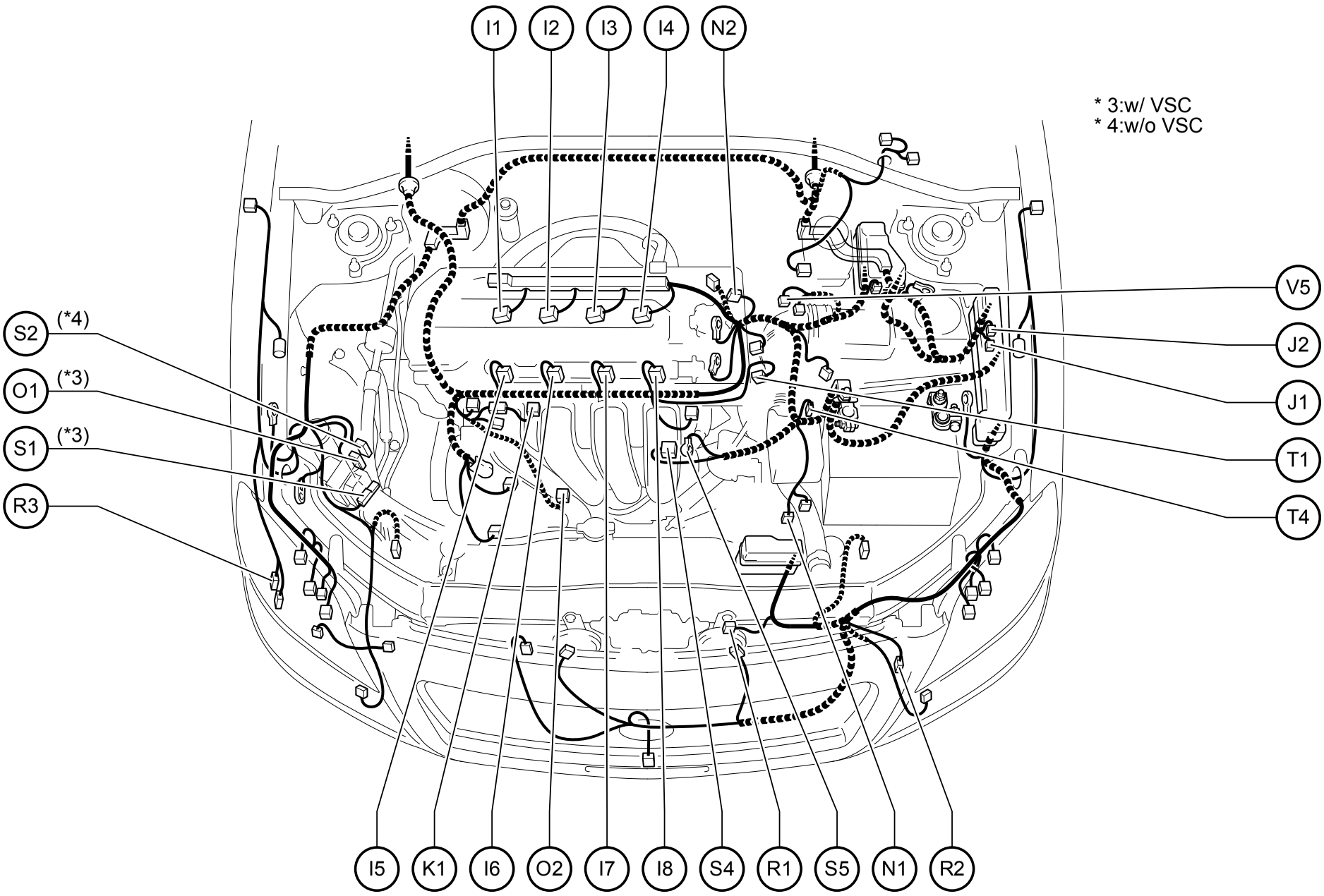
I1
I2
I3
I4
N2
* 3:w/ VSC
* 4:w/o VSC
V5
J2
J1
T1
T4
S2
(*4)
O1
(*3)
S1
(*3)
R3
I5
K1
I6
O2
I7
I8
S4
R1
S5
N1
R2

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I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor (Bank 1)

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

R 1 Radiator Fan Motor
R 2 Radiator Fan Resistor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 5 VSV (EVAP)

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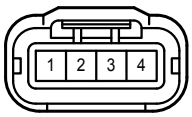
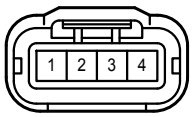
I 1
Black



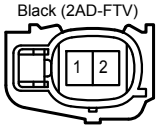
I 2
Gray

I 3
Black

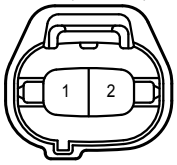


I 4
Gray

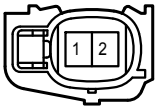
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

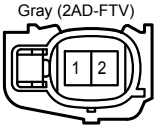


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

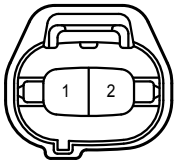


I 5
Black (2AZ-FSE, 1AZ-FSE)

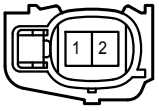
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

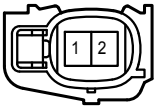


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

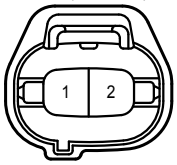


I 6
Gray (2AZ-FSE, 1AZ-FSE)

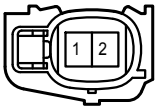
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

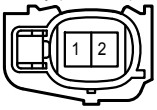


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

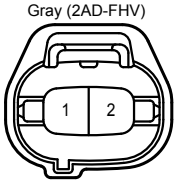


I 7
Black (2AZ-FSE, 1AZ-FSE)

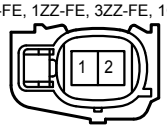
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

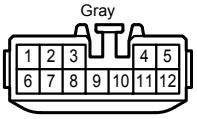


I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

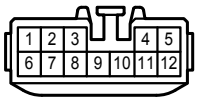


I 8
Gray (2AZ-FSE, 1AZ-FSE)

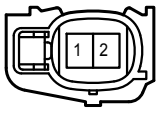
J 1
Gray



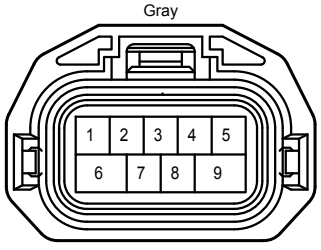
J 2
Black



K 1
Black

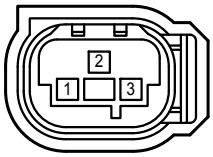


N 1
Gray



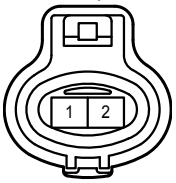
N 2
Gray

O 1
Black

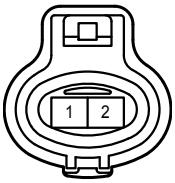


O 2
Gray

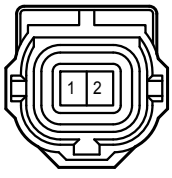
R 1
Gray



R 2
Black



R 3
Red



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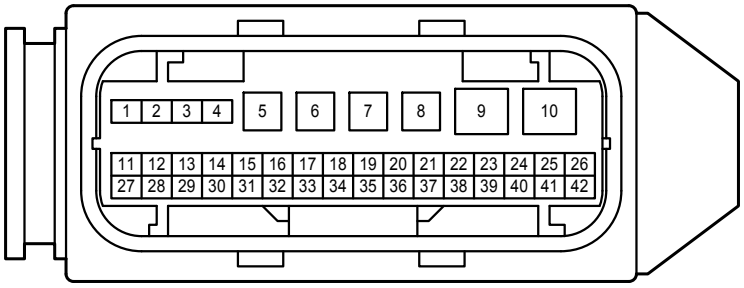
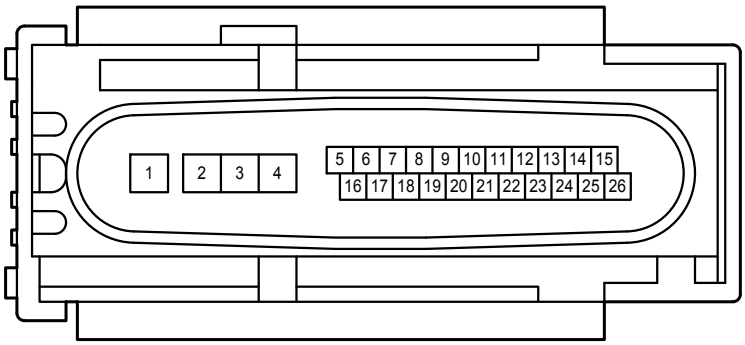
S 1
Black

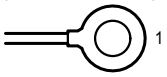


S 2
Black

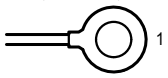


S 4
Black

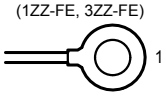
S 5
(2AD-FHV, 2AD-FTV)



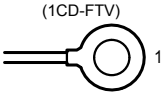
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



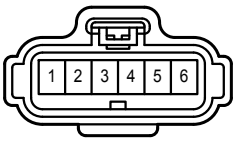
S 5
(1ZZ-FE, 3ZZ-FE)



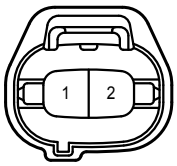
S 5
(1CD-FTV)



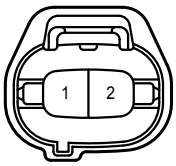
T 1
Black



T 4
Black



V 5
Blue



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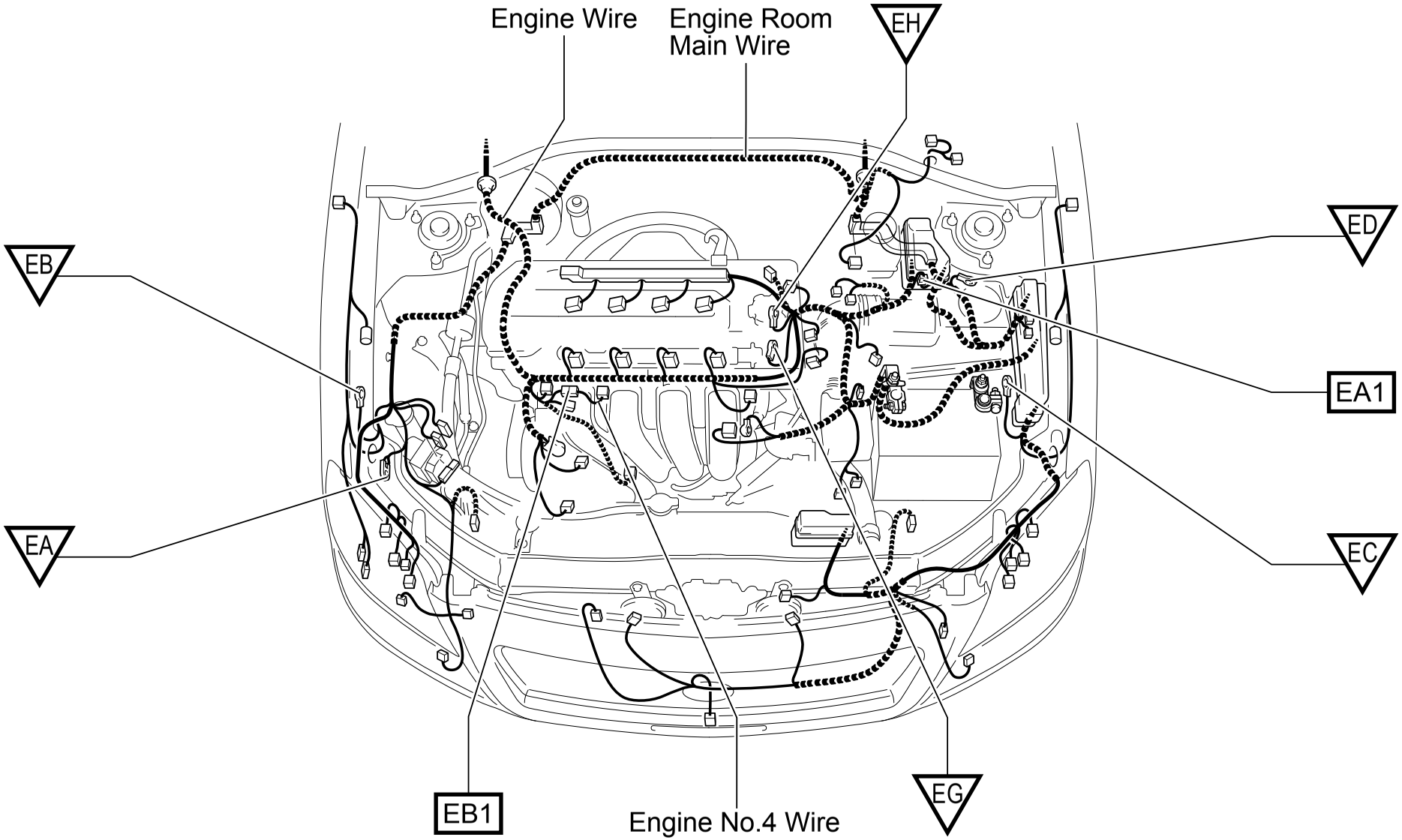
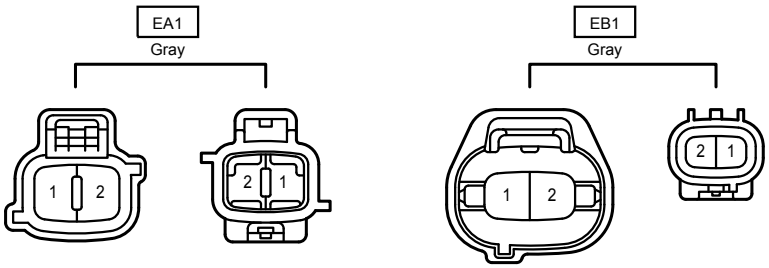
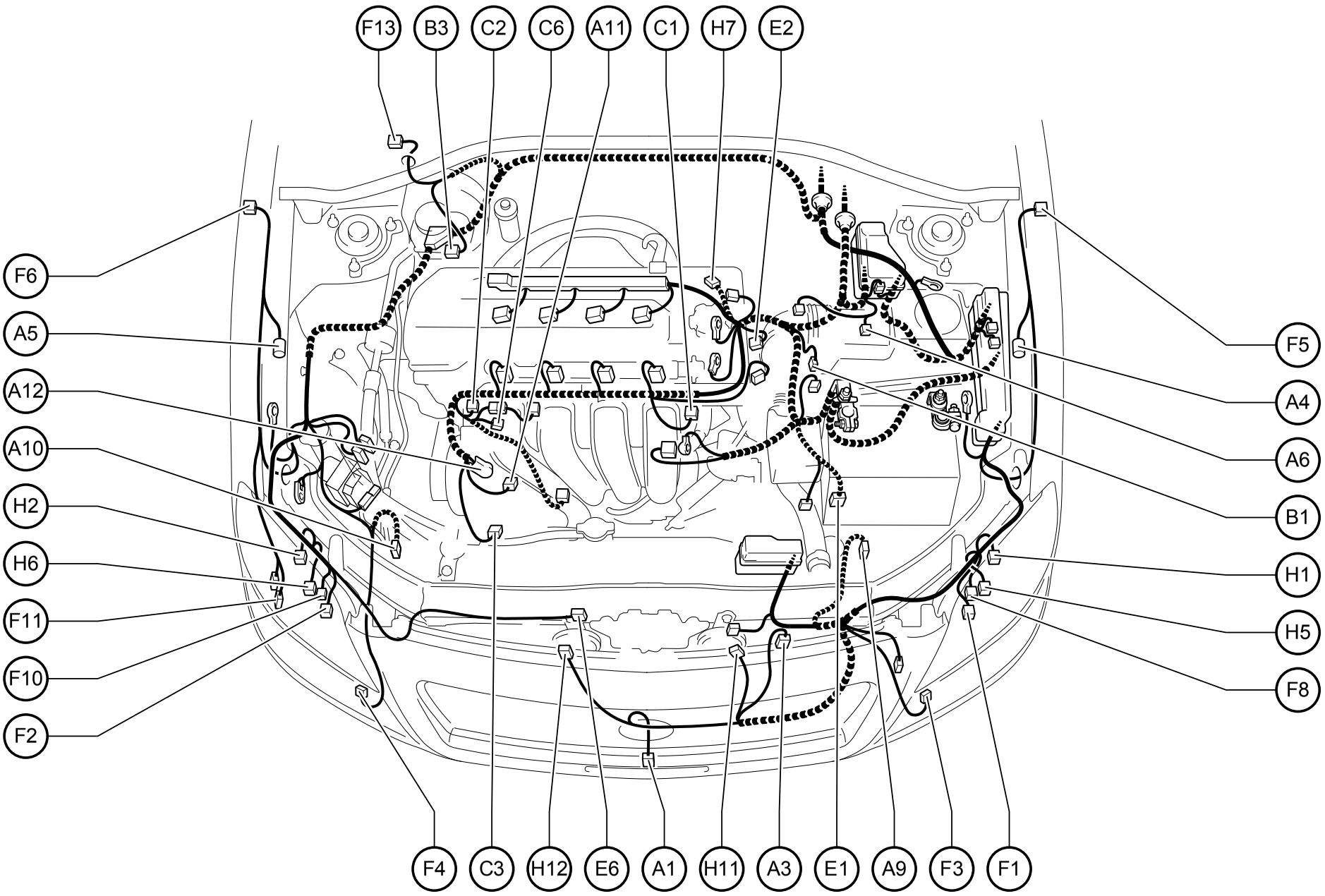

Engine Wire
Engine Room Main Wire
EH
ED
EB
EA1
EA
EC
EB1
Engine No.4 Wire
EG

http://vnx.su



http://vnx.su


F13
B3
C2
C6
A11
C1
H7
E2
F6
A5
A12
A10
H2
H6
F11
F10
F2
F5
A4
A6
B1
H1
H5
F8
F4
C3
H12
E6
A1
H11
A3
E1
A9
F3
F1

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A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

E 1 ECT Solenoid (2AZ-FSE)
E 1 ECT Solenoid (Except 2AZ-FSE)
E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 6 Engine Hood Courtesy SW

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ-FE, 3ZZ-FE)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (2AZ-FSE, 1AZ-FSE)
H 11 Horn LH
H 12 Horn RH

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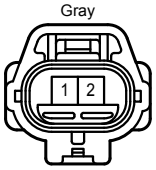
A 1
Gray

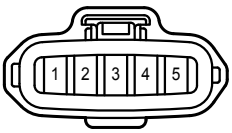


A 3
Black

A 4

A 5

A 6
Black

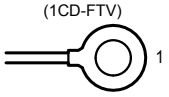


A 9
Yellow

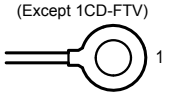
A 10
Yellow

A 11
Black

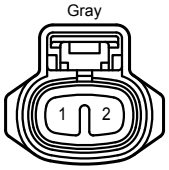
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)



B 1
Gray

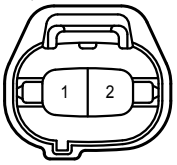


B 3
Black

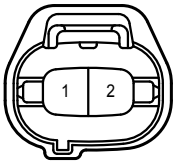
C 1
Black

C 2
Black

C 3
Black (2AD-FHV, 2AD-FTV)



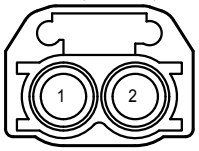
C 3
Gray (Except 2AD-FHV, 2AD-FTV)



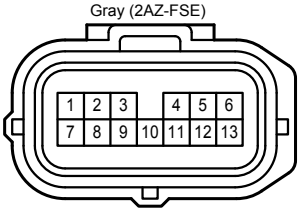
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



E 1
Gray (2AZ-FSE)



E 1
Gray (Except 2AZ-FSE)

E 2
Gray (2AD-FHV, 2AD-FTV)

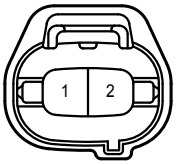
E 2
Gray (1CD-FTV)

E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

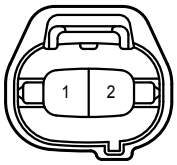
E 2
Gray (1AZ-FE)

E 6
Black

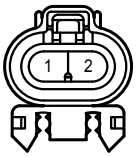
F 1
Black



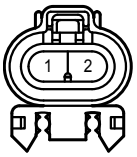
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

F 8

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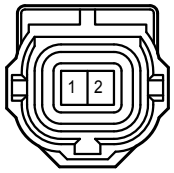
F 10

F 11
Black

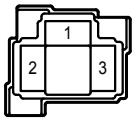


F 13
Gray

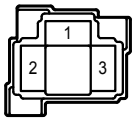
H 1
Gray

H 2
Gray

H 5



H 6



H 7
Gray (1ZZ-FE, 3ZZ-FE)

H 7
Gray (2AZ-FSE, 1AZ-FSE)

H 11
Black

H 12
Black

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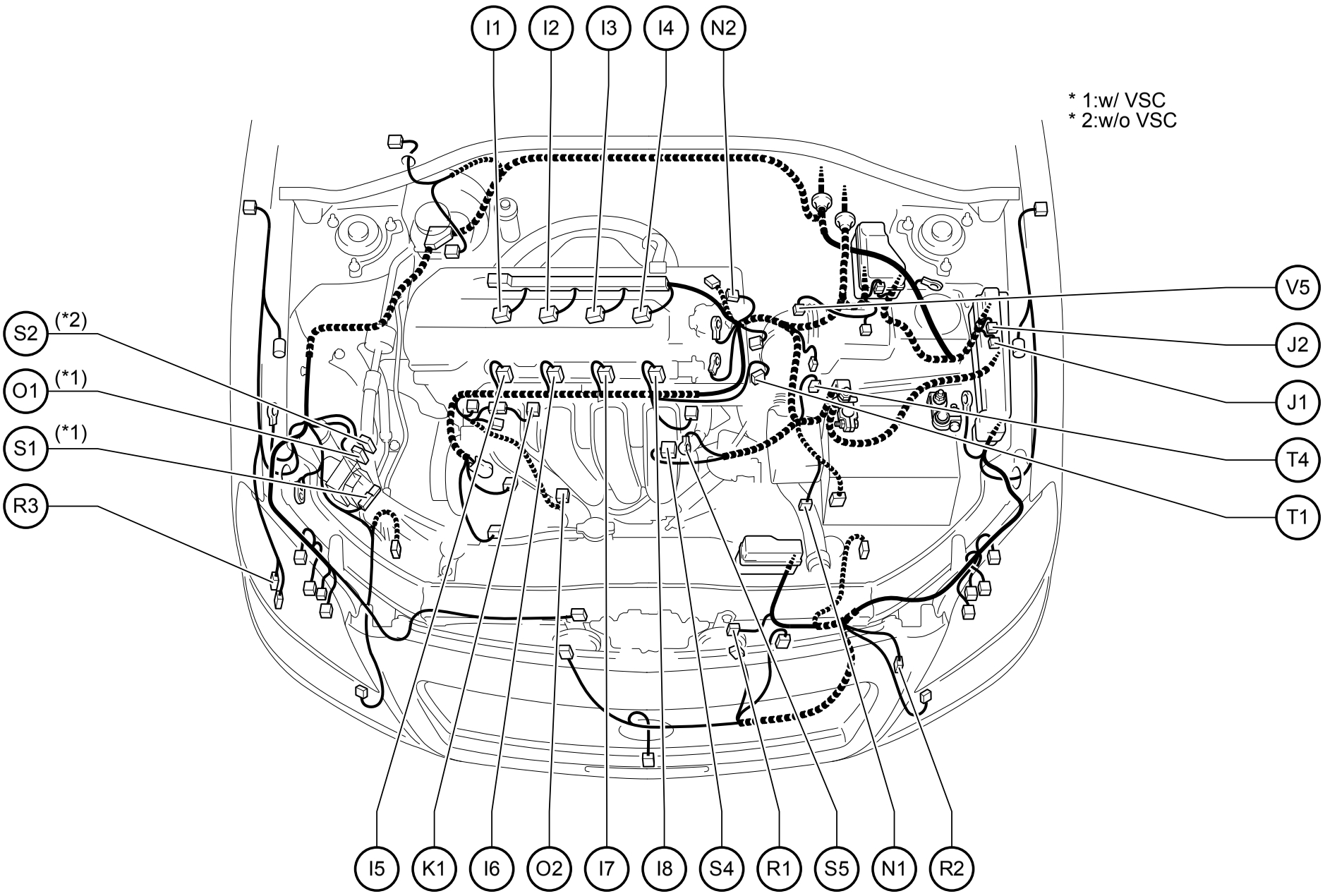
I1
I2
I3
I4
N2
* 1:w/ VSC
* 2:w/o VSC
V5
J2
J1
T4
T1
S2
(*2)
O1
(*1)
S1
(*1)
R3
I5
K1
I6
O2
I7
I8
S4
R1
S5
N1
R2

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I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor (Bank 1)

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

R 1 Radiator Fan Motor
R 2 Radiator Fan Resistor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 5 VSV (EVAP)

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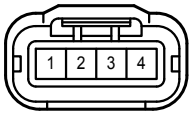
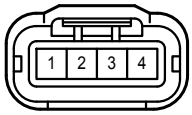
I 1
Black



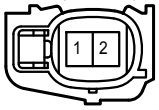
I 2
Gray

I 3
Black

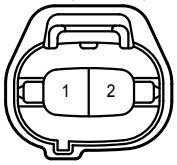


I 4
Gray

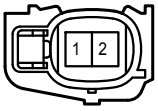
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

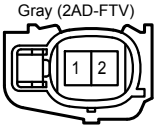


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

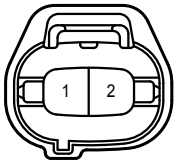


I 5
Black (2AZ-FSE, 1AZ-FSE)

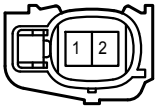
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

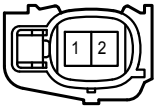


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

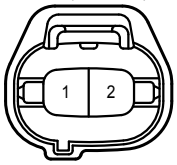


I 6
Gray (2AZ-FSE, 1AZ-FSE)

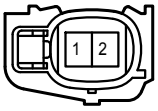
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

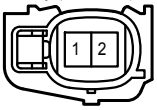


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

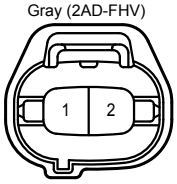


I 7
Black (2AZ-FSE, 1AZ-FSE)

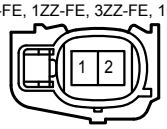
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

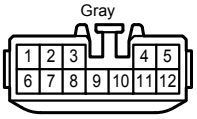


I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

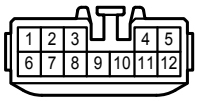


I 8
Gray (2AZ-FSE, 1AZ-FSE)

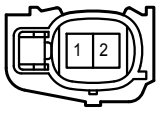
J 1
Gray



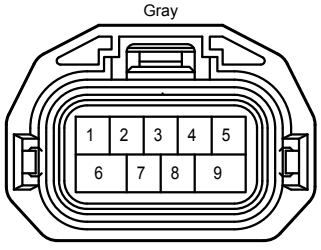
J 2
Black



K 1
Black

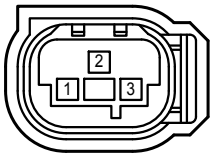


N 1
Gray



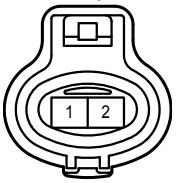
N 2
Gray

O 1
Black

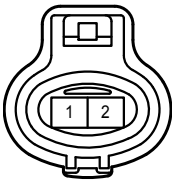


O 2
Gray

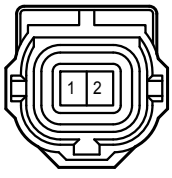
R 1
Gray



R 2
Black



R 3
Red



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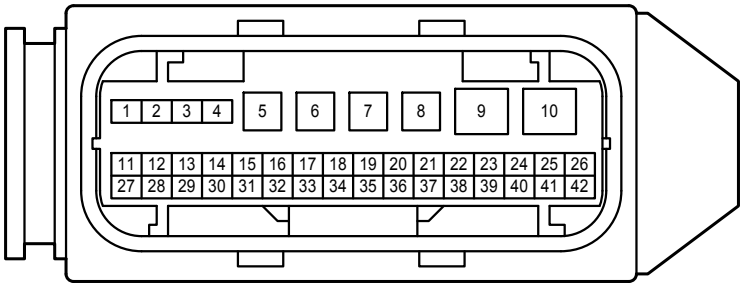
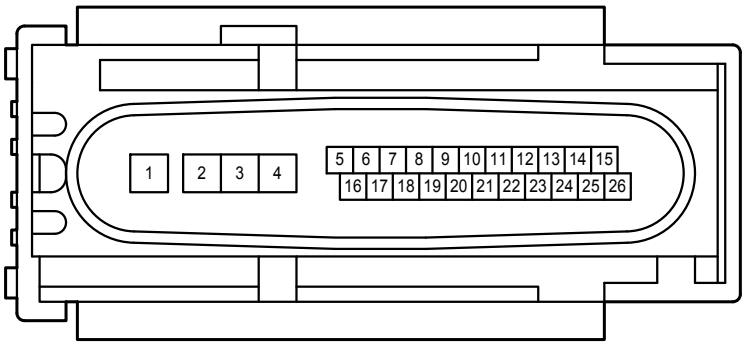
S 1
Black

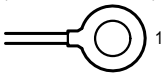


S 2
Black

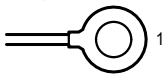


S 4
Black

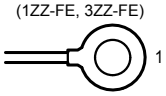
S 5
(2AD-FHV, 2AD-FTV)



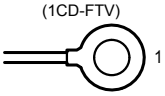
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



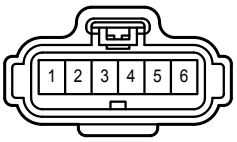
S 5
(1ZZ-FE, 3ZZ-FE)



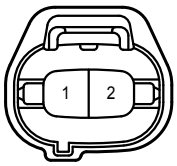
S 5
(1CD-FTV)



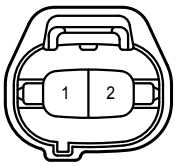
T 1
Black



T 4
Black



V 5
Blue



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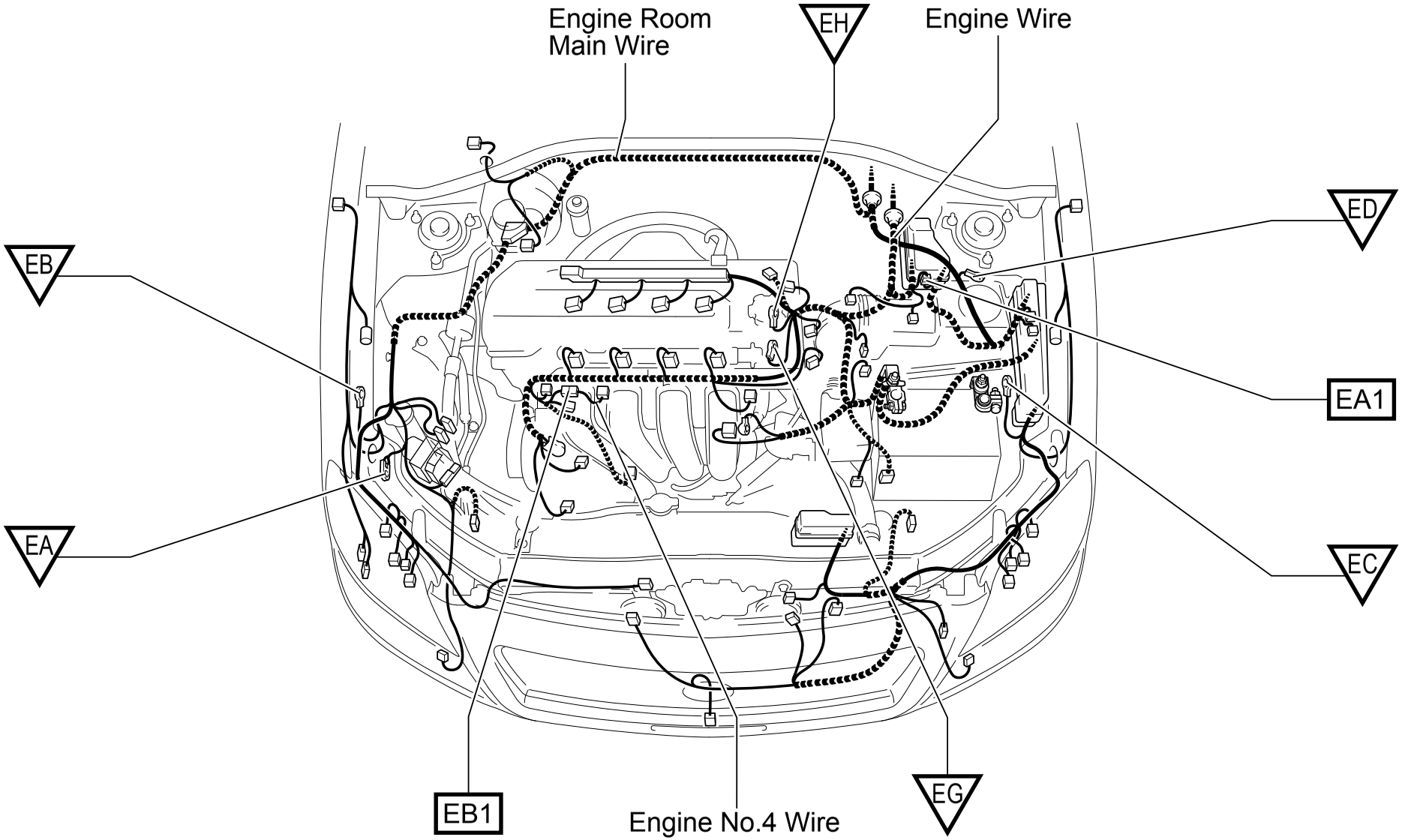
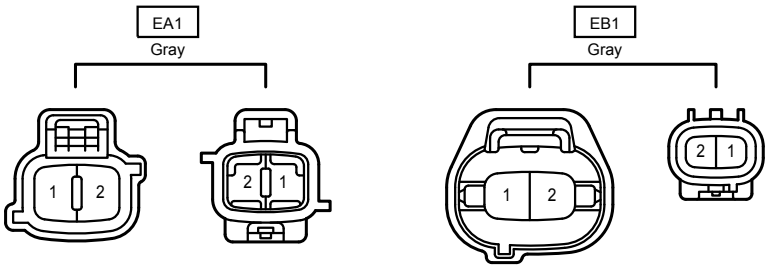
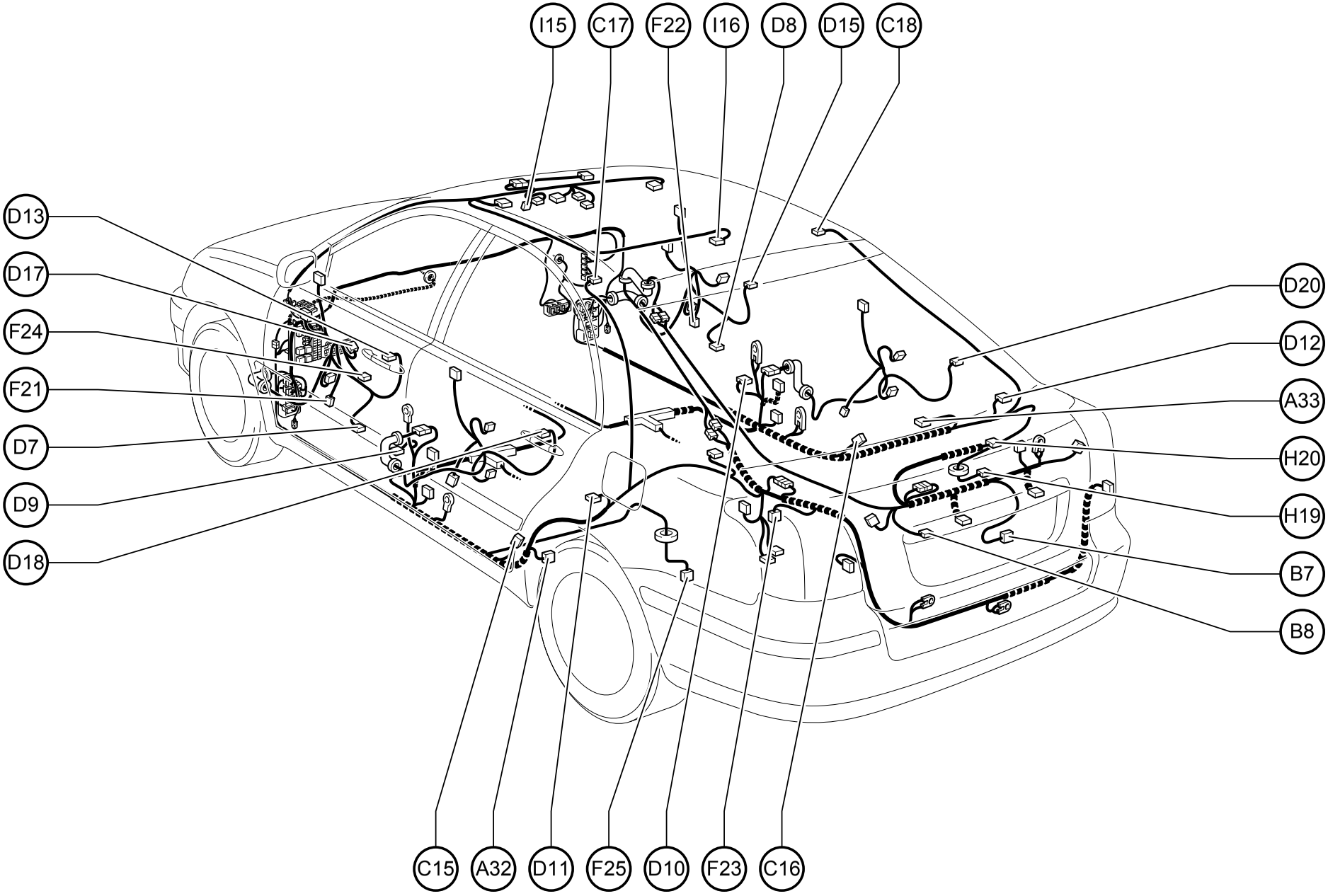

Engine Room
Main Wire
EH
Engine Wire
ED
EB
EA1
EA
EC
EB1
Engine No.4 Wire
EG

http://vnx.su



http://vnx.su


I15
C17
F22
I16
D8
D15
C18
D13
D17
F24
F21
D7
D9
D18
D20
D12
A33
H20
H19
B7
B8
C15
A32
D11
F25
D10
F23
C16

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A 32 ABS Speed Sensor Rear LH
A 33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW , Back Door Lock Motor (W/G)
B 7 Back Door Courtesy SW , Back Door Lock Motor (L/B)
B 8 Back Door Opener SW

C 15 Curtain Shield Airbag Sensor LH
C 16 Curtain Shield Airbag Sensor RH
C 17 Curtain Shield Airbag Squib LH
C 18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D 10 Door Courtesy SW Front RH
D 11 Door Courtesy SW Rear LH
D 12 Door Courtesy SW Rear RH
D 13 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side)
D 15 Door Lock Control Motor (Front Passenger's Side)
D 17 Door Lock Control SW , Power Window Master SW
D 18 Door Lock Motor Rear LH
D 20 Door Lock Motor Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump , Fuel Sender

H 19 Height Control Sensor (Rear)
H 20 High Mounted Stop Light (W/G)
H 20 High Mounted Stop Light (S/D)
H 20 High Mounted Stop Light (L/B)

I 15 Inner Mirror
I 16 Interior Light

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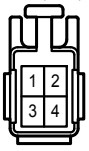
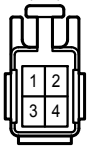
A 32

A 33

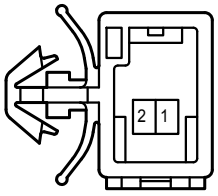
B 7
Blue (W/G)



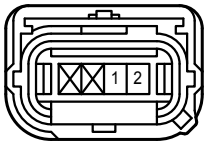
B 7
(L/B)



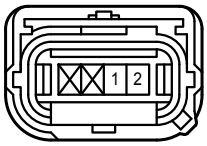
B 8



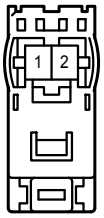
C 15
Yellow



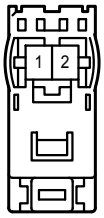
C 16
Yellow



C 17
Black



C 18
Black



D 7

D 8

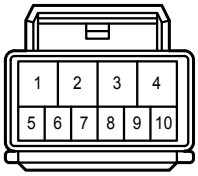
D 9

D 10

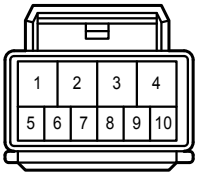
D 11

D 12

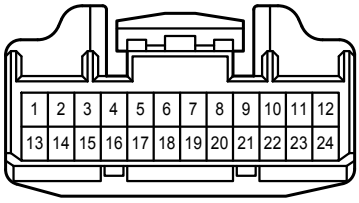
D 13



D 15

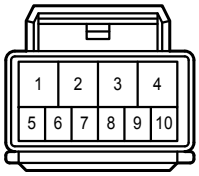


D 17

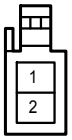


D 18

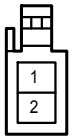
D 20



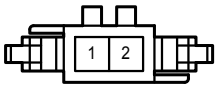
F 21
Black



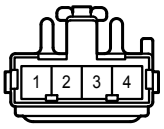
F 22
Black



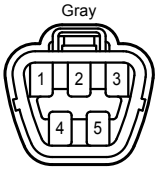
F 23
Black



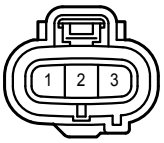
F 24



F 25
Gray

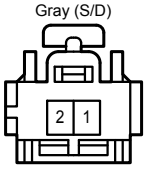


H 19
Black



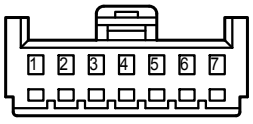
H 20
Black (W/G)

H 20
Gray (S/D)

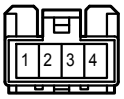


H 20
(L/B)

I 15
Black



I 16



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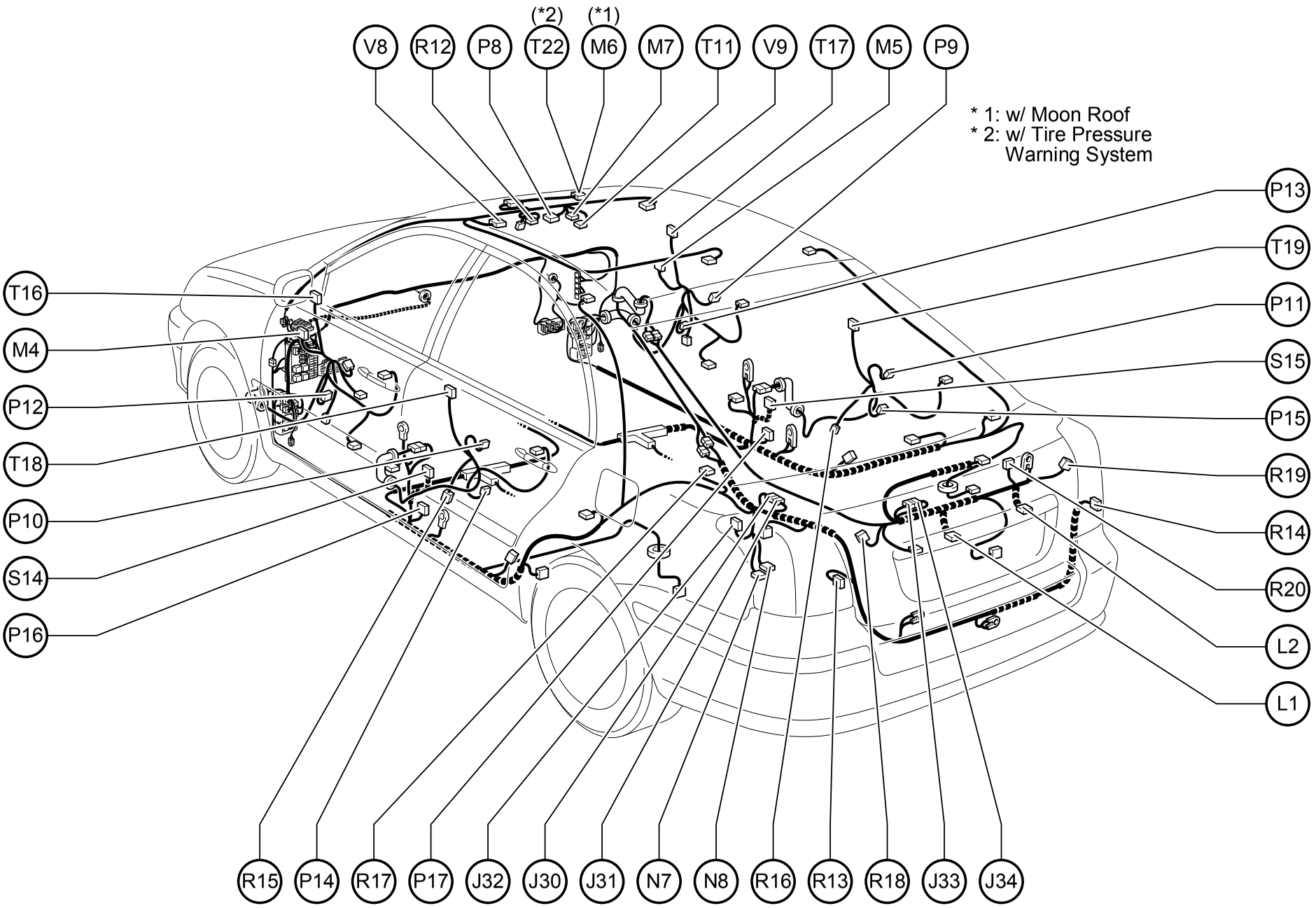
(*2)
(*1)
V8
R12
P8
T22
M6
M7
T11
V9
T17
M5
P9
* 1: w/ Moon Roof
* 2: w/ Tire Pressure Warning System
P13
T19
P11
S15
P15
R19
R14
R20
L2
L1
T16
M4
P12
T18
P10
S14
P16
R15
P14
R17
P17
J32
J30
J31
N7
N8
R16
R13
R18
J33
J34

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J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH , Remote Control Mirror LH
M 5 Mirror Heater RH , Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH (W/G)
R 13 Rear Combination Light LH (Except W/G)
R 14 Rear Combination Light RH (W/G)
R 14 Rear Combination Light RH (Except W/G)
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light (Except S/D)
R 18 Rear Window Defogger (S/D, W/G)
R 18 Rear Window Defogger (L/B)
R 19 Rear Window Defogger (W/G)
R 19 Rear Window Defogger (S/D)
R 19 Rear Window Defogger (L/B)
R 20 Rear Wiper Motor and Relay

S 14 Side Airbag Sensor LH (w/o Curtain Shield Airbag)
S 14 Side Airbag Sensor LH (w/ Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/o Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/ Curtain Shield Airbag)

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH
T 22 Tire Pressure Monitor Receiver

V 8 Vanity Light LH
V 9 Vanity Light RH

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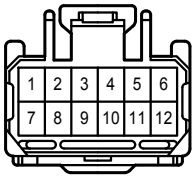
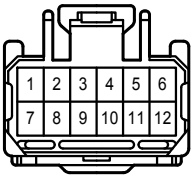
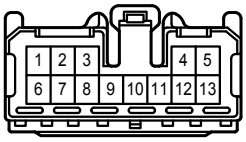
J 30



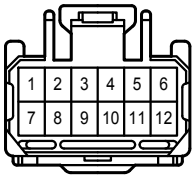
J 31



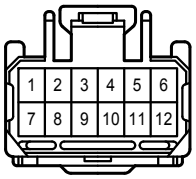
J 32



J 33



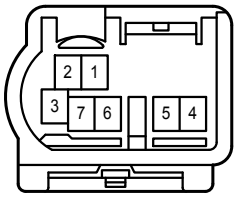
J 34



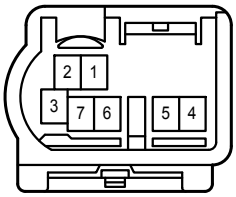
L 1
Black

L 2
Black

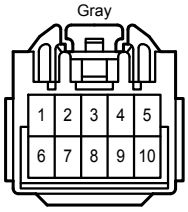
M 4



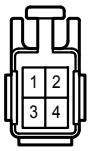
M 5



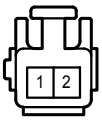
M 6
Gray



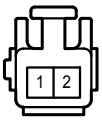
M 7



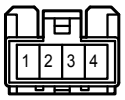
N 7



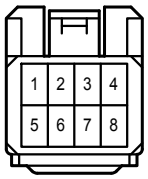
N 8



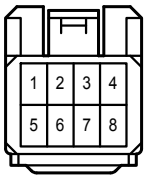
P 8



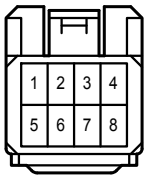
P 9



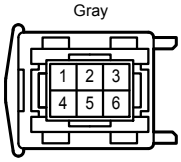
P 10



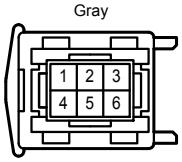
P 11



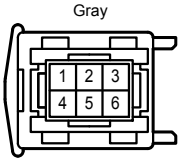
P 12
Gray



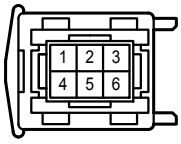
P 13
Gray



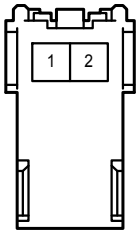
P 14
Gray



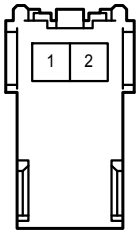
P 15
Gray



P 16
Yellow

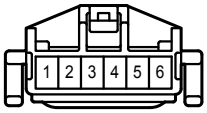


P 17
Yellow

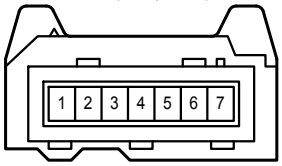


R 12
Black

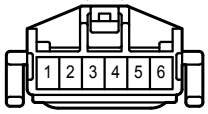
R 13
(W/G)



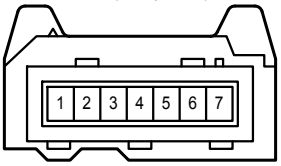
R 13
Black (Except W/G)



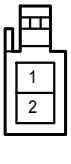
R 14
(W/G)



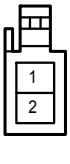
R 14
Black (Except W/G)



R 15
Black

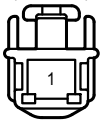


R 16
Black



R 17
(Except S/D)

R 18
(S/D, W/G)



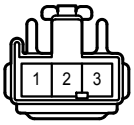
R 18
(L/B)

R 19
(W/G)

R 19
(S/D)

R 19
(L/B)

R 20
Black



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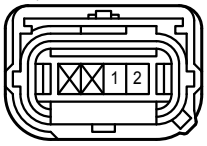
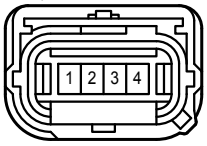
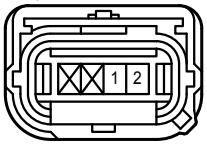
S 14
Yellow (w/o Curtain Shield Airbag)



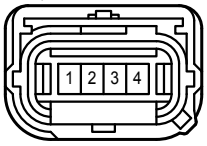
S 14
Yellow (w/ Curtain Shield Airbag)



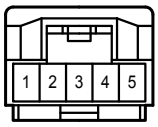
S 15
Yellow (w/o Curtain Shield Airbag)



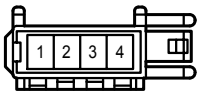
S 15
Yellow (w/ Curtain Shield Airbag)



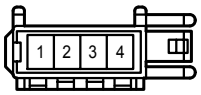
T 11



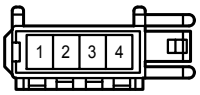
T 16



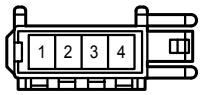
T 17



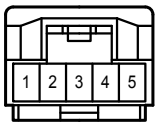
T 18



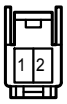
T 19



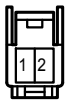
T 22



V 8



V 9



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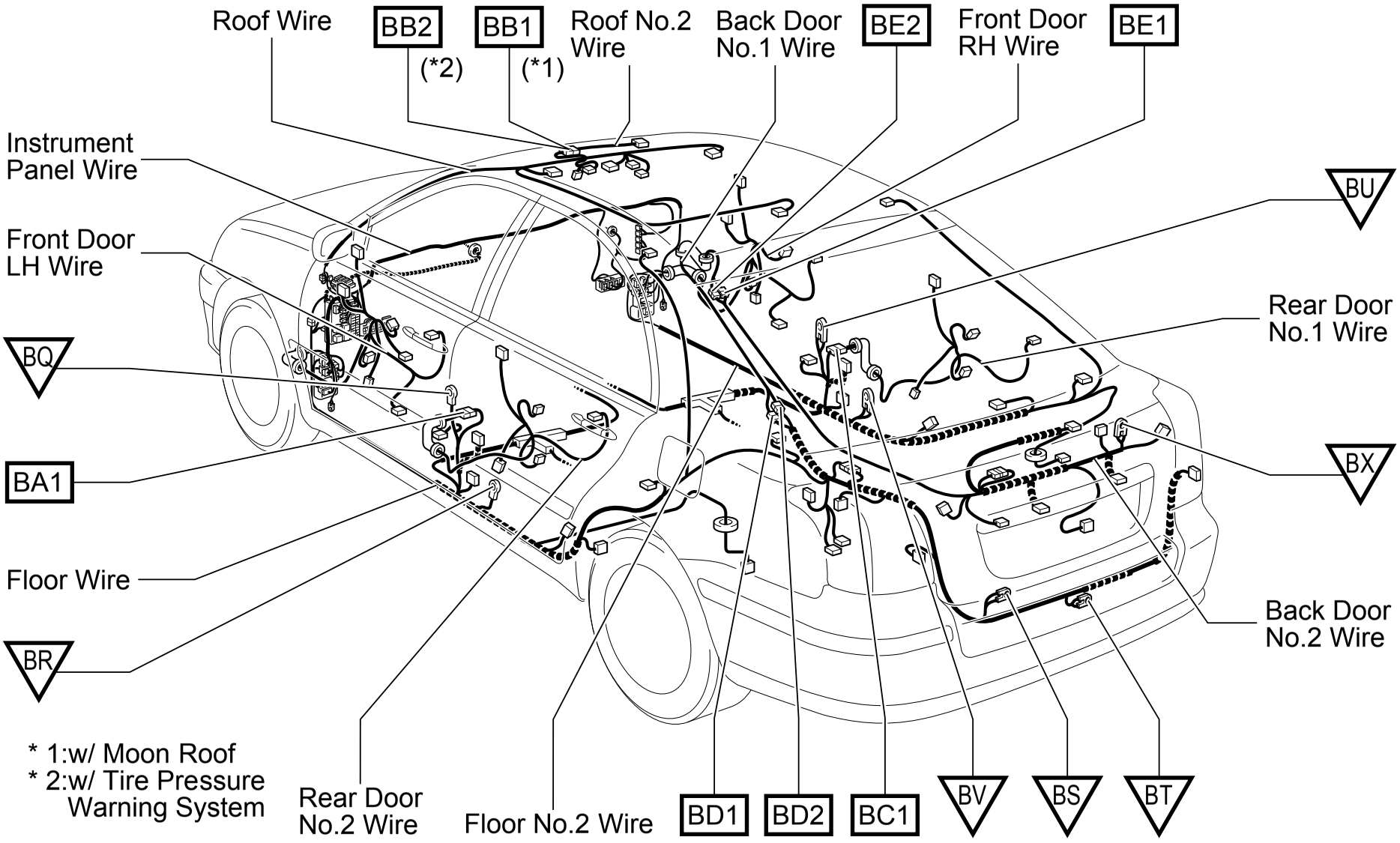
Roof Wire
BB2
(*2)
BB1
(*1)
Roof No.2 Wire
Back Door No.1 Wire
BE2
Front Door RH Wire
BE1
Instrument Panel Wire
Front Door LH Wire
BU
Rear Door No.1 Wire
BQ
BA1
BX
Floor Wire
BR
Back Door No.2 Wire
* 1:w/ Moon Roof
* 2:w/ Tire Pressure Warning System
Rear Door No.2 Wire
Floor No.2 Wire
BD1
BD2
BC1
BV
BS
BT

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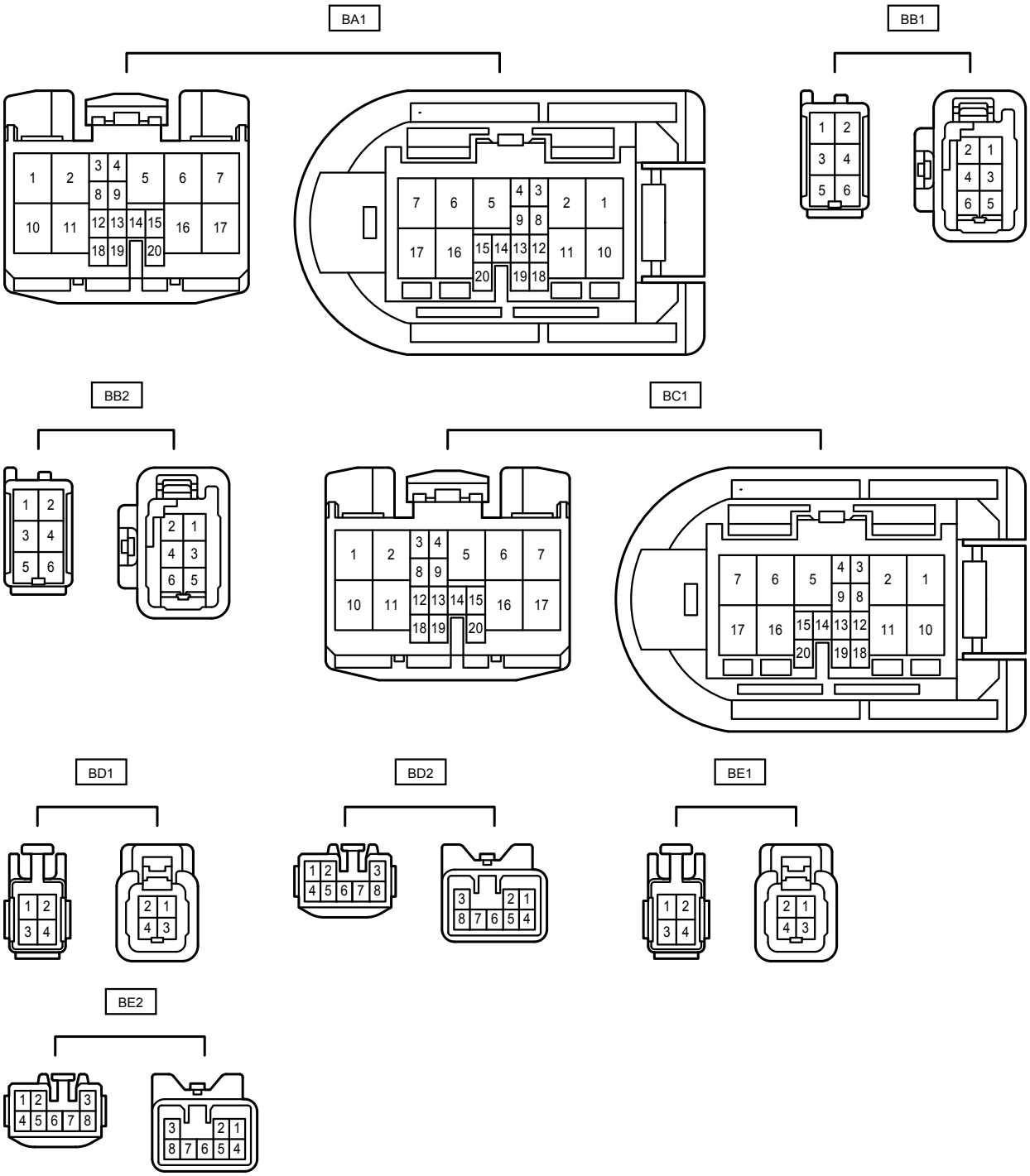
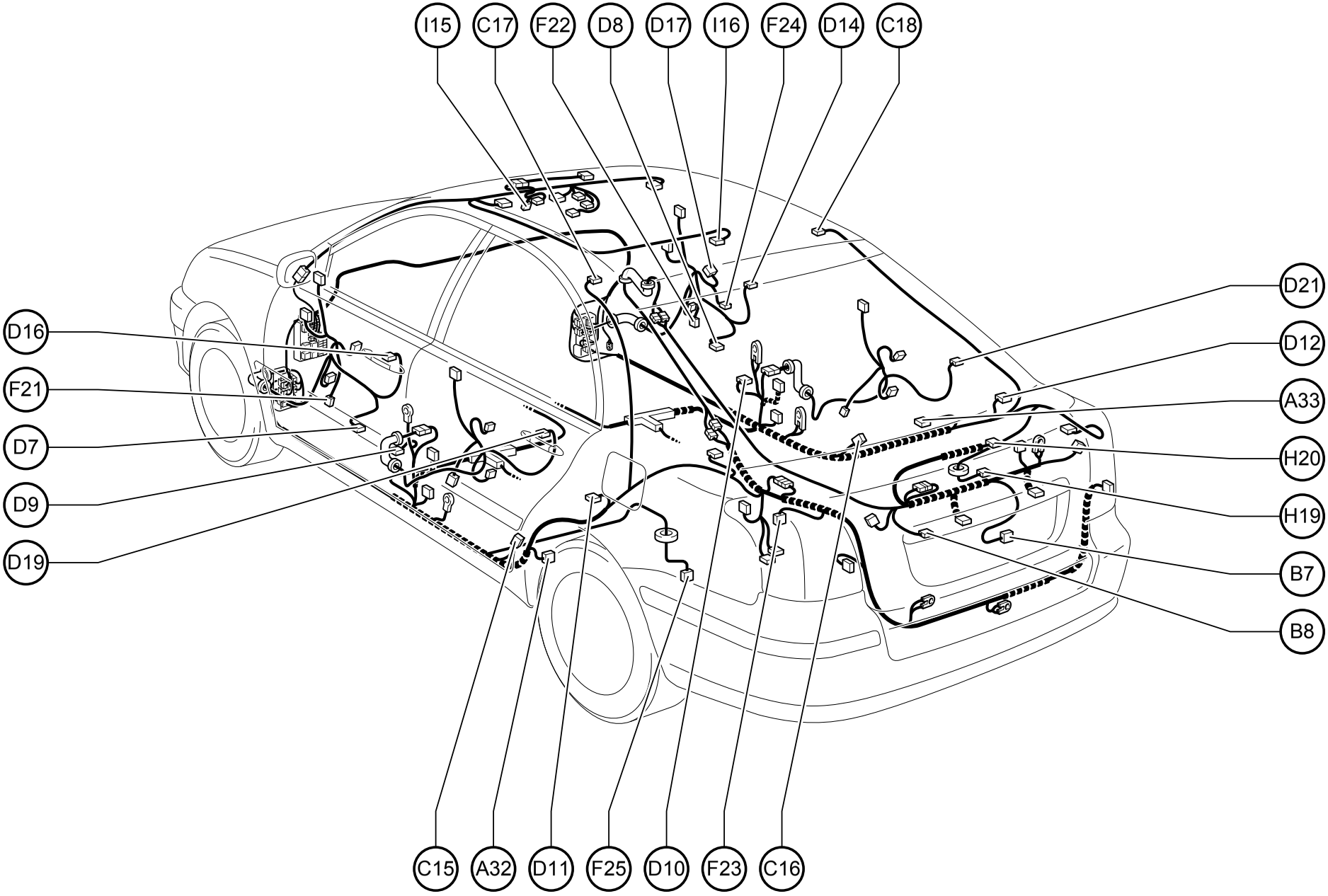


http://vnx.su


I15
C17
F22
D8
D17
I16
F24
D14
C18
D16
F21
D7
D9
D19
D21
D12
A33
H20
H19
B7
B8
C15
A32
D11
F25
D10
F23
C16

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A 32 ABS Speed Sensor Rear LH
A 33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW , Back Door Lock Motor (W/G)
B 7 Back Door Courtesy SW , Back Door Lock Motor (L/B)
B 8 Back Door Opener SW

C 15 Curtain Shield Airbag Sensor LH
C 16 Curtain Shield Airbag Sensor RH
C 17 Curtain Shield Airbag Squib LH
C 18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D 10 Door Courtesy SW Front RH
D 11 Door Courtesy SW Rear LH
D 12 Door Courtesy SW Rear RH
D 14 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side) , Double Lock Motor (Driver's Side) , Double Lock Position SW (Driver's Side)
D 16 Door Lock Control Motor (Front Passenger's Side) , Door Unlock Detection SW (Front Passenger's Side) , Double Lock Motor (Front Passenger's Side) , Double Lock Position SW (Front Passenger's Side)
D 17 Door Lock Control SW , Power Window Master SW
D 19 Door Lock Motor Rear LH , Door Unlock Detection SW Rear LH , Double Lock Motor Rear LH , Double Lock Position SW Rear LH
D 21 Door Lock Motor Rear RH , Door Unlock Detection SW Rear RH , Double Lock Motor Rear RH , Double Lock Position SW Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump , Fuel Sender

H 19 Height Control Sensor (Rear)
H 20 High Mounted Stop Light (W/G)
H 20 High Mounted Stop Light (S/D)
H 20 High Mounted Stop Light (L/B)

I 15 Inner Mirror
I 16 Interior Light

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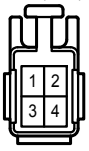
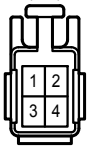
A 32

A 33

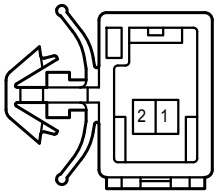
B 7
Blue (W/G)



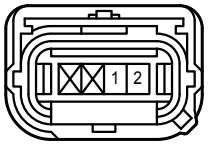
B 7
(L/B)



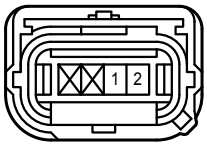
B 8



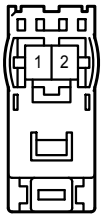
C 15
Yellow



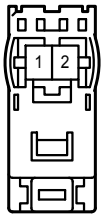
C 16
Yellow



C 17
Black



C 18
Black



D 7

D 8

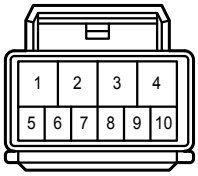
D 9

D 10

D 11

D 12

D 14



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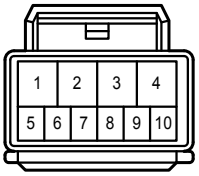
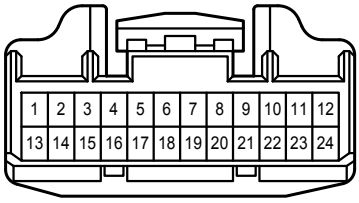
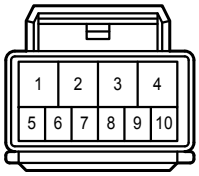


D 17

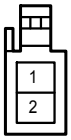


D 19

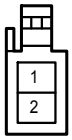
D 21



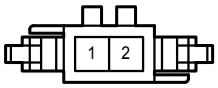
F 21
Black



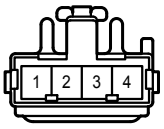
F 22
Black



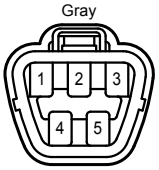
F 23
Black



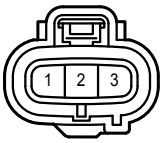
F 24



F 25
Gray

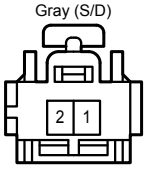


H 19
Black



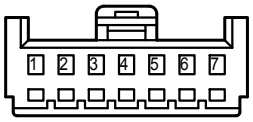
H 20
Black (W/G)

H 20
Gray (S/D)

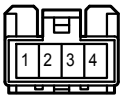


H 20
(L/B)

I 15
Black



I 16



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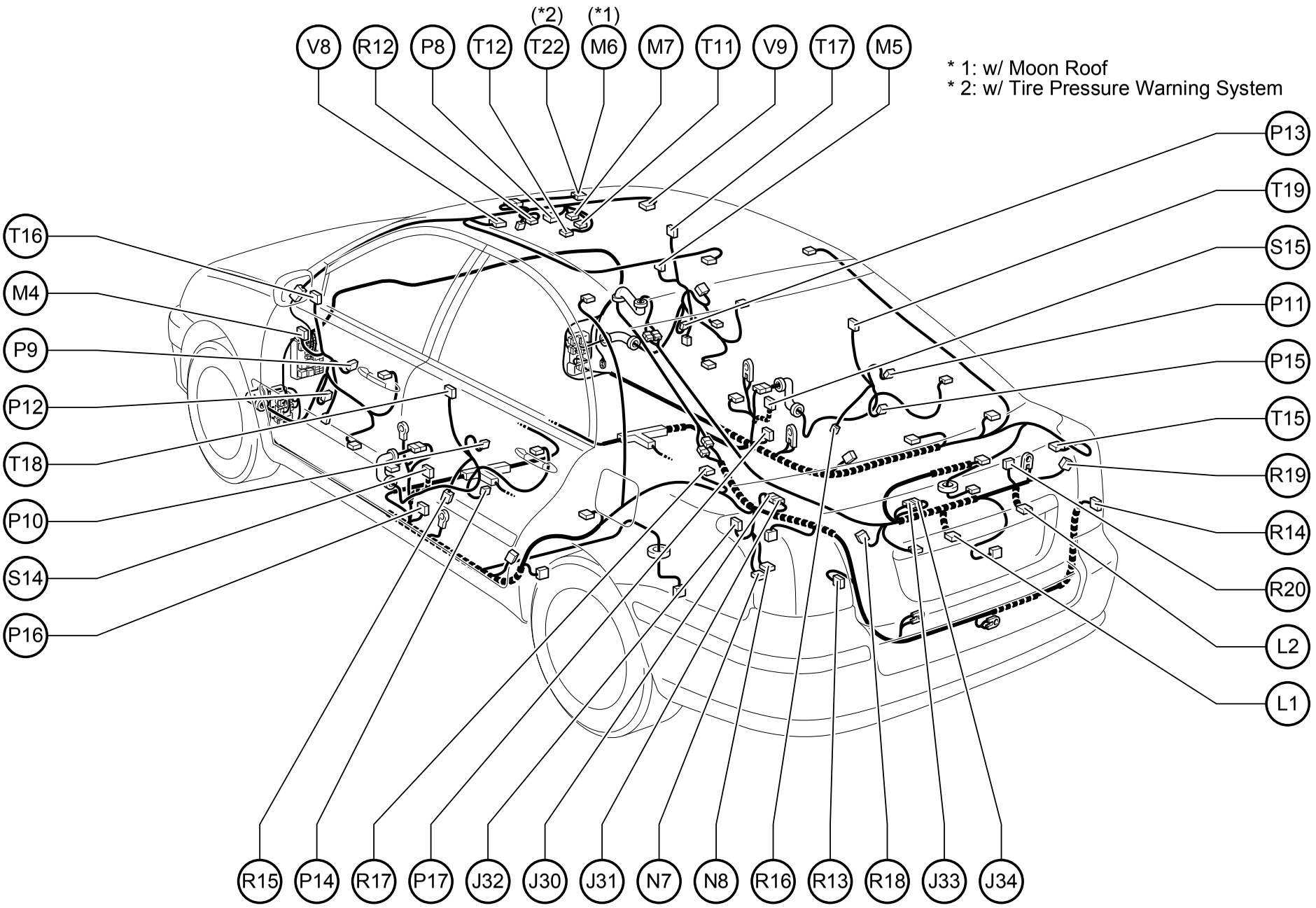
(*2)
(*1)
V8
R12
P8
T12
T22
M6
M7
T11
V9
T17
M5
* 1: w/ Moon Roof
* 2: w/ Tire Pressure Warning System
P13
T19
S15
P11
P15
T15
R19
R14
R20
L2
L1
T16
M4
P9
P12
T18
P10
S14
P16
R15
P14
R17
P17
J32
J30
J31
N7
N8
R16
R13
R18
J33
J34

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J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH , Remote Control Mirror LH
M 5 Mirror Heater RH , Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH (W/G)
R 13 Rear Combination Light LH (Except W/G)
R 14 Rear Combination Light RH (W/G)
R 14 Rear Combination Light RH (Except W/G)
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light (Except S/D)
R 18 Rear Window Defogger (S/D, W/G)
R 18 Rear Window Defogger (L/B)
R 19 Rear Window Defogger (W/G)
R 19 Rear Window Defogger (S/D)
R 19 Rear Window Defogger (L/B)
R 20 Rear Wiper Motor and Relay

S 14 Side Airbag Sensor LH (w/o Curtain Shield Airbag)
S 14 Side Airbag Sensor LH (w/ Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/o Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/ Curtain Shield Airbag)

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH
T 22 Tire Pressure Monitor Receiver

V 8 Vanity Light LH
V 9 Vanity Light RH

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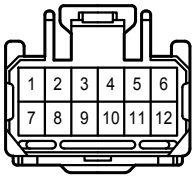
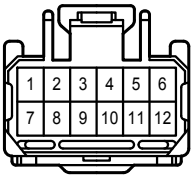
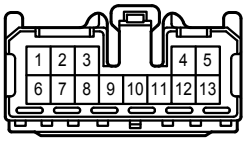
J 30



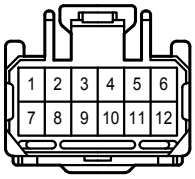
J 31



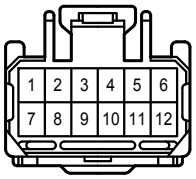
J 32



J 33



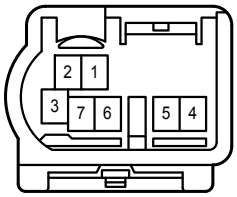
J 34



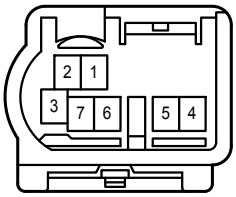
L 1
Black

L 2
Black

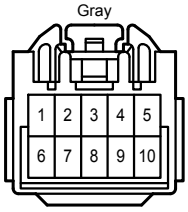
M 4



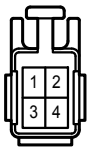
M 5



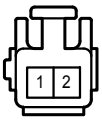
M 6
Gray



M 7



N 7



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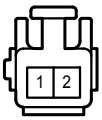
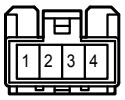
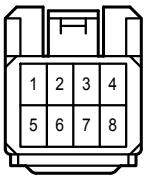


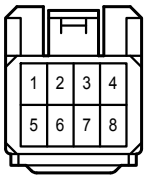
P 8



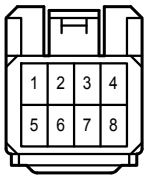
P 9



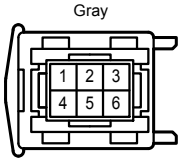
P 10



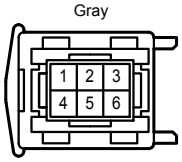
P 11



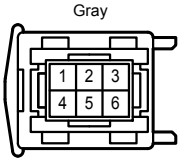
P 12
Gray



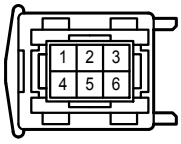
P 13
Gray



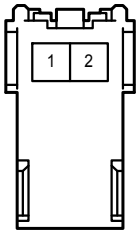
P 14
Gray



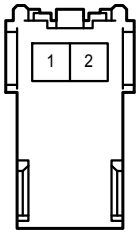
P 15
Gray



P 16
Yellow

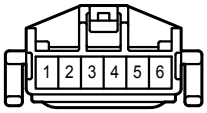


P 17
Yellow

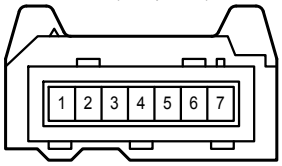


R 12
Black

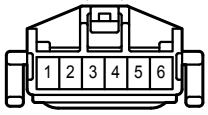
R 13
(W/G)



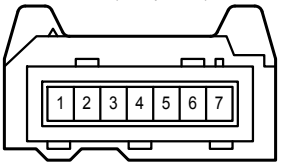
R 13
Black (Except W/G)



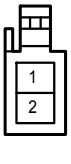
R 14
(W/G)



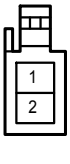
R 14
Black (Except W/G)



R 15
Black

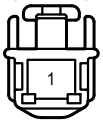


R 16
Black



R 17
(Except S/D)

R 18
(S/D, W/G)



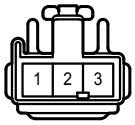
R 18
(L/B)

R 19
(W/G)

R 19
(S/D)

R 19
(L/B)

R 20
Black



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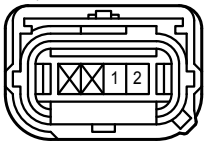
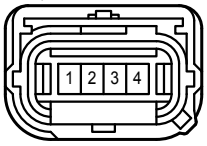
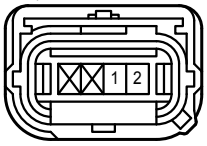
S 14
Yellow (w/o Curtain Shield Airbag)



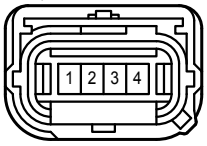
S 14
Yellow (w/ Curtain Shield Airbag)



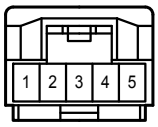
S 15
Yellow (w/o Curtain Shield Airbag)



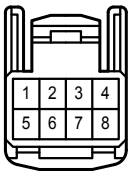
S 15
Yellow (w/ Curtain Shield Airbag)



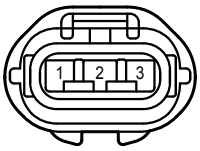
T 11



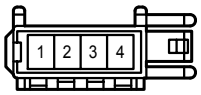
T 12



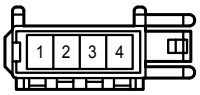
T 15
Black



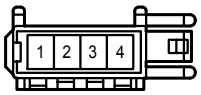
T 16



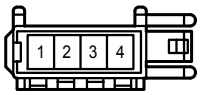
T 17



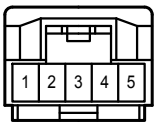
T 18



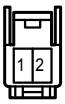
T 19



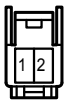
T 22



V 8



V 9



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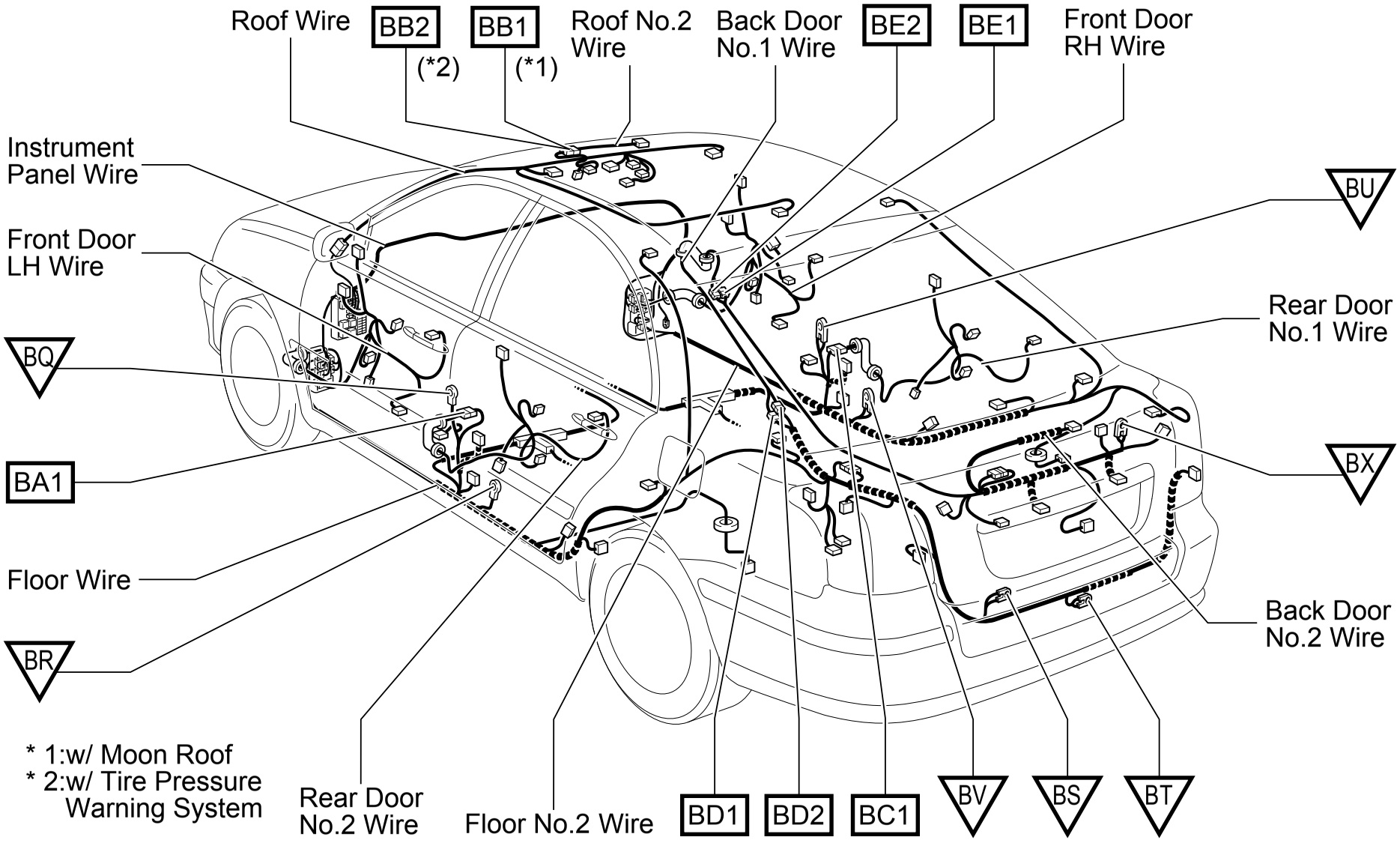
Roof Wire
BB2
(*2)
BB1
(*1)
Roof No.2 Wire
Back Door No.1 Wire
BE2
BE1
Front Door RH Wire
Instrument Panel Wire
Front Door LH Wire
BU
Rear Door No.1 Wire
BQ
BA1
BX
Floor Wire
BR
Back Door No.2 Wire
* 1:w/ Moon Roof
* 2:w/ Tire Pressure Warning System
Rear Door No.2 Wire
Floor No.2 Wire
BD1
BD2
BC1
BV
BS
BT

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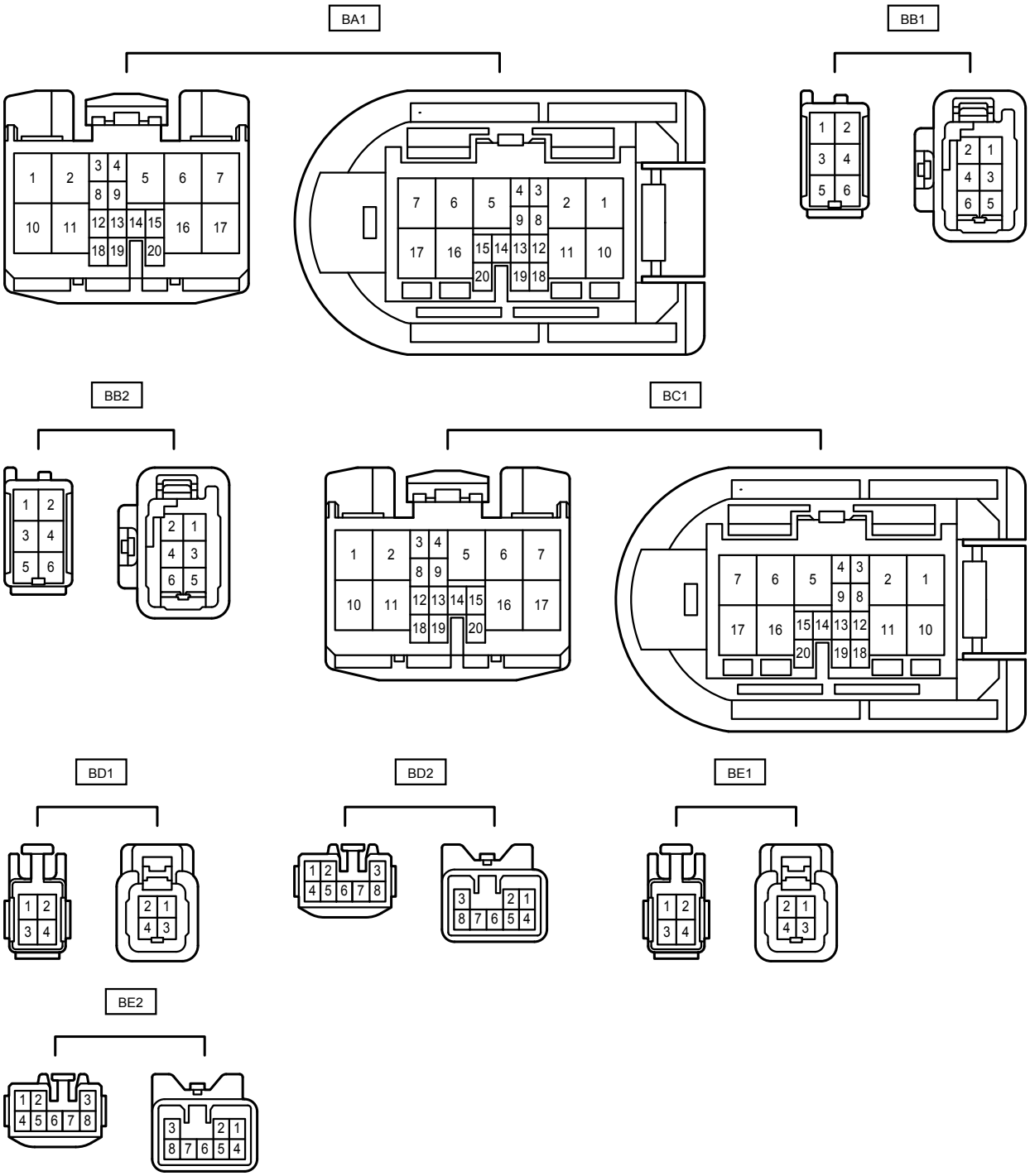
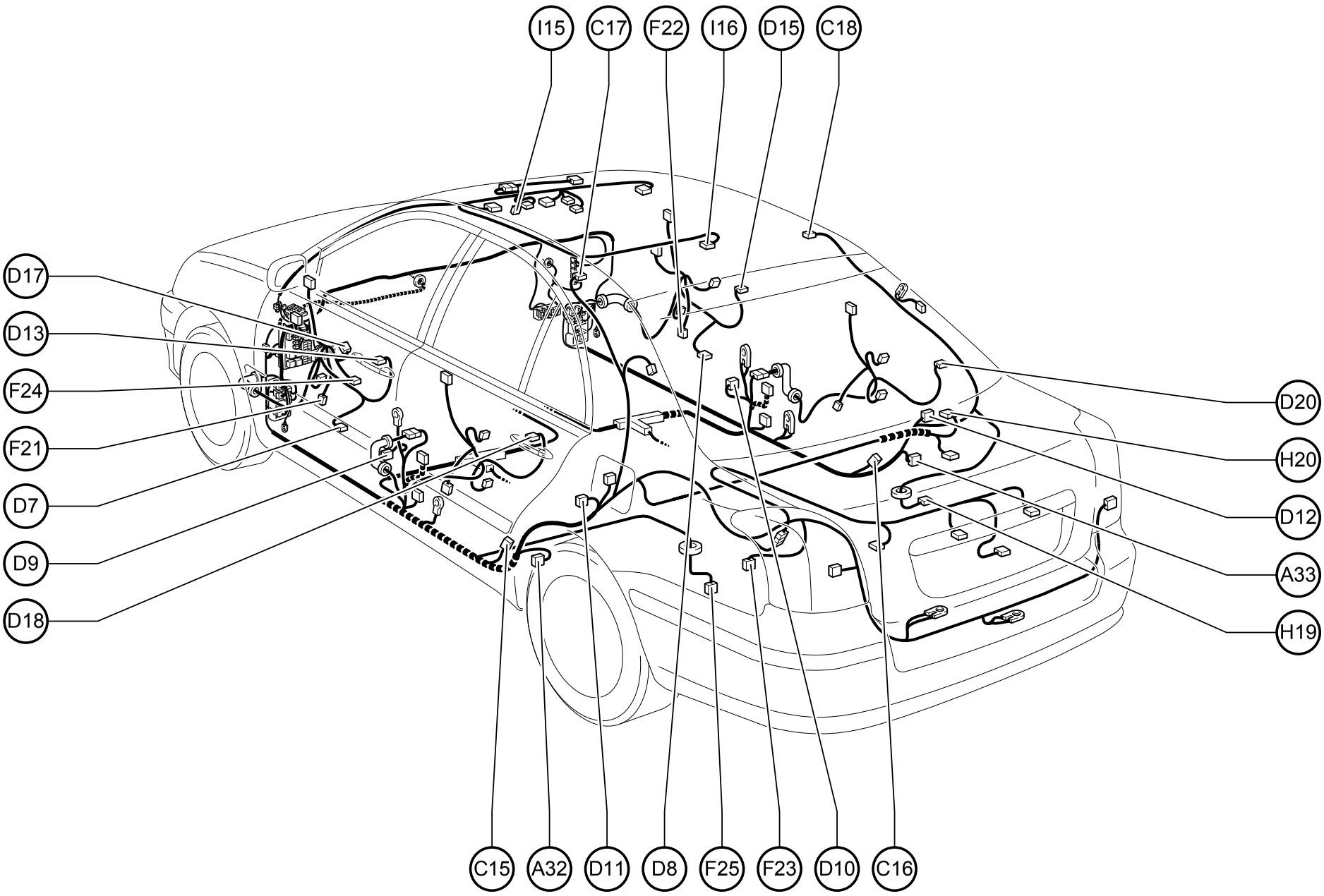


http://vnx.su


I15
C17
F22
I16
D15
C18
D17
D13
F24
F21
D7
D9
D18
D20
H20
D12
A33
H19
C15
A32
D11
D8
F25
F23
D10
C16

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A 32 ABS Speed Sensor Rear LH
A 33 ABS Speed Sensor Rear RH

C 15 Curtain Shield Airbag Sensor LH
C 16 Curtain Shield Airbag Sensor RH
C 17 Curtain Shield Airbag Squib LH
C 18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D 10 Door Courtesy SW Front RH
D 11 Door Courtesy SW Rear LH
D 12 Door Courtesy SW Rear RH
D 13 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side)
D 15 Door Lock Control Motor (Front Passenger's Side)
D 17 Door Lock Control SW , Power Window Master SW
D 18 Door Lock Motor Rear LH
D 20 Door Lock Motor Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump , Fuel Sender

H 19 Height Control Sensor (Rear)
H 20 High Mounted Stop Light (W/G)
H 20 High Mounted Stop Light (S/D)
H 20 High Mounted Stop Light (L/B)

I 15 Inner Mirror
I 16 Interior Light

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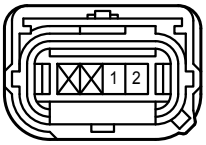
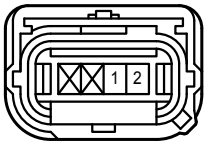
A 32

A 33

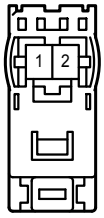
C 15
Yellow



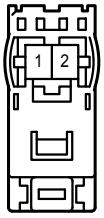
C 16
Yellow



C 17
Black



C 18
Black



D 7

D 8

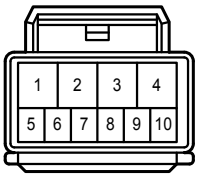
D 9

D 10

D 11

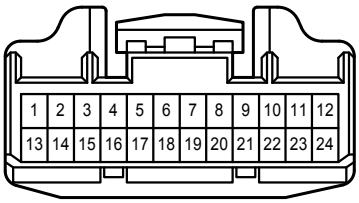
D 12

D 13



D 15

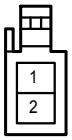
D 17



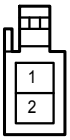
D 18

D 20

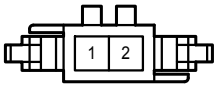
F 21
Black



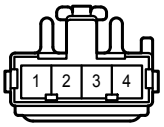
F 22
Black



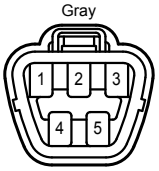
F 23
Black



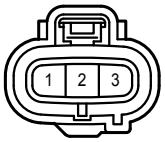
F 24



F 25
Gray

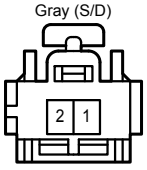


H 19
Black



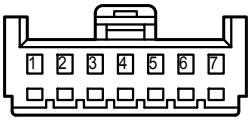
H 20
Black (W/G)

H 20
Gray (S/D)

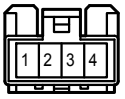


H 20
(L/B)

I 15
Black



I 16



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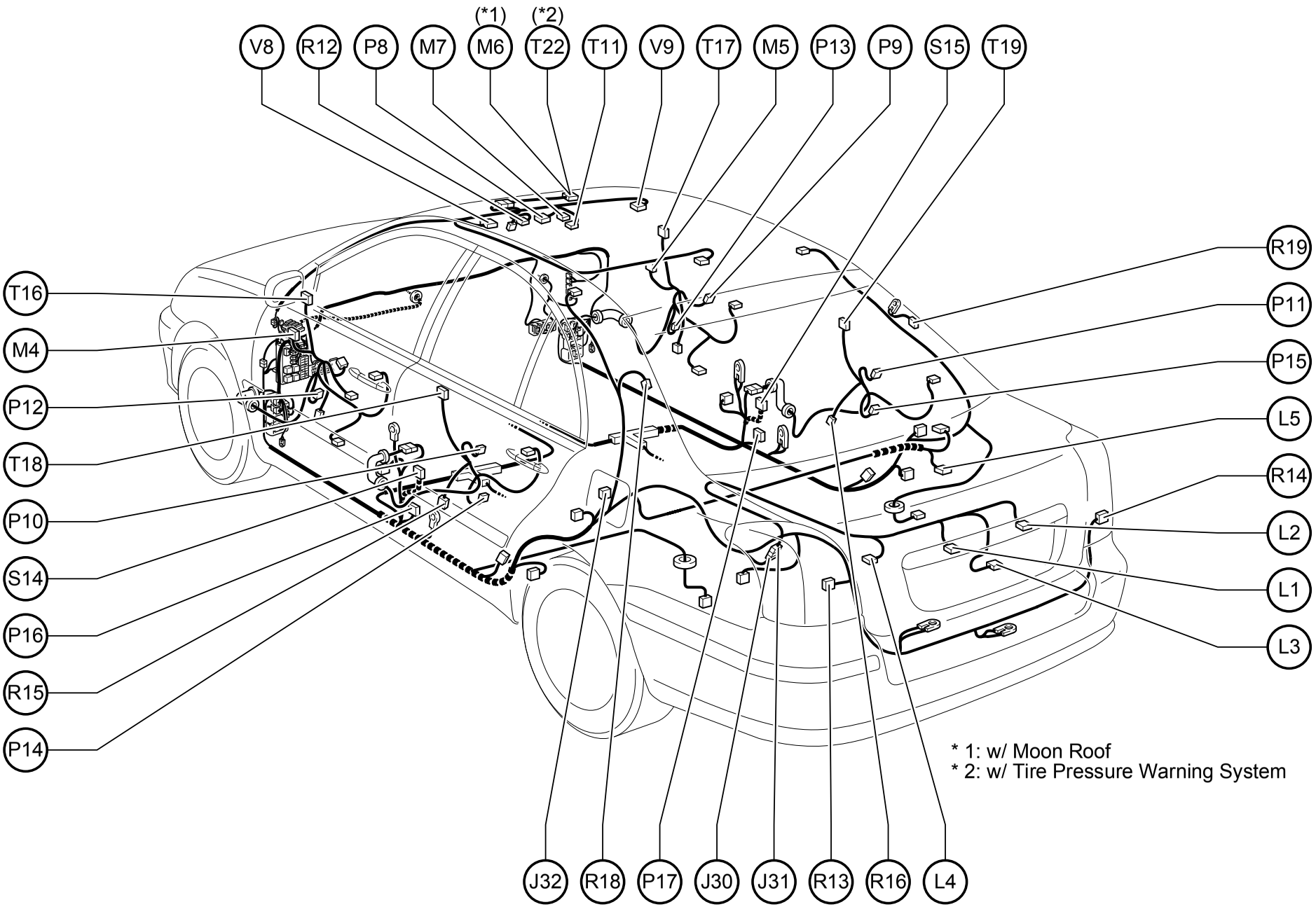
(*1)
(*2)
V8
R12
P8
M7
M6
T22
T11
V9
T17
M5
P13
P9
S15
T19
T16
M4
P12
T18
P10
S14
P16
R15
P14
R19
P11
P15
L5
R14
L2
L1
L3
J32
R18
P17
J30
J31
R13
R16
L4
* 1: w/ Moon Roof
* 2: w/ Tire Pressure Warning System

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J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH
L 3 Luggage Compartment Door Lock Motor , Luggage Compartment Light SW
L 4 Luggage Compartment Door Opener SW
L 5 Luggage Compartment Light

M 4 Mirror Heater LH , Remote Control Mirror LH
M 5 Mirror Heater RH , Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH (W/G)
R 13 Rear Combination Light LH (Except W/G)
R 14 Rear Combination Light RH (W/G)
R 14 Rear Combination Light RH (Except W/G)
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 18 Rear Window Defogger (S/D, W/G)
R 18 Rear Window Defogger (L/B)
R 19 Rear Window Defogger (W/G)
R 19 Rear Window Defogger (S/D)
R 19 Rear Window Defogger (L/B)

S 14 Side Airbag Sensor LH (w/o Curtain Shield Airbag)
S 14 Side Airbag Sensor LH (w/ Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/o Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/ Curtain Shield Airbag)

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH
T 22 Tire Pressure Monitor Receiver

V 8 Vanity Light LH
V 9 Vanity Light RH

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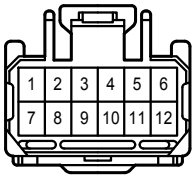
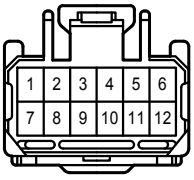
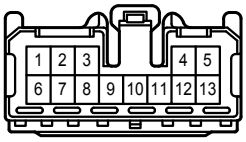
J 30



J 31



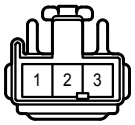
J 32



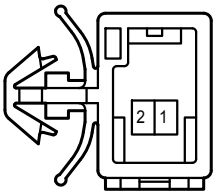
L 1
Black

L 2
Black

L 3
Black

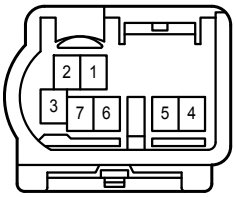


L 4

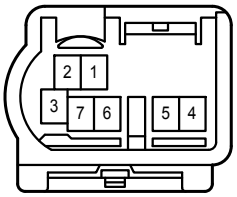


L 5

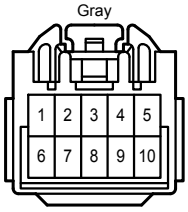
M 4



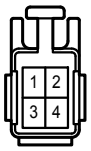
M 5



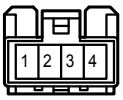
M 6
Gray



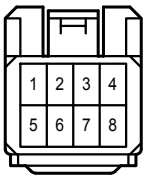
M 7



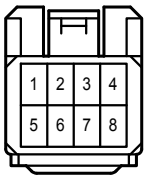
P 8



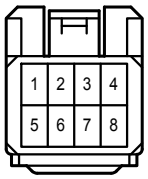
P 9



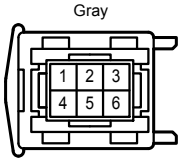
P 10



P 11



P 12
Gray



P 13
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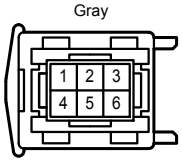
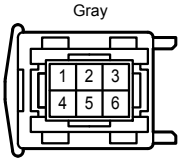
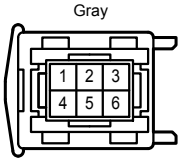


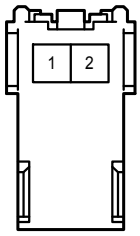
P 14
Gray



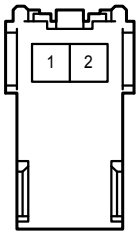
P 15
Gray



P 16
Yellow

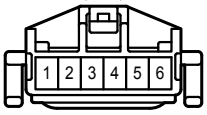


P 17
Yellow

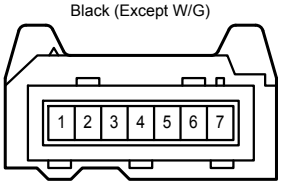


R 12
Black

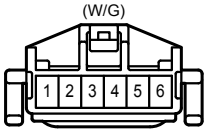
R 13
(W/G)



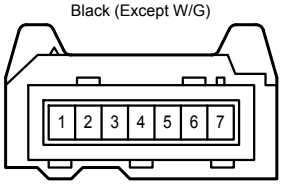
R 13
Black (Except W/G)



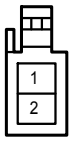
R 14
(W/G)



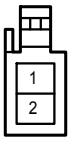
R 14
Black (Except W/G)



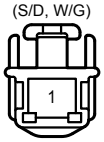
R 15
Black



R 16
Black



R 18
(S/D, W/G)



R 18
(L/B)

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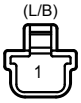
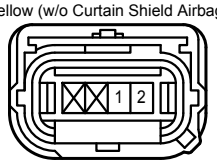
R 19
(W/G)

R 19
(S/D)

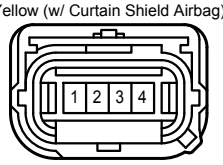
R 19
(L/B)



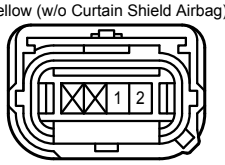
S 14
Yellow (w/o Curtain Shield Airbag)



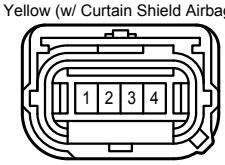
S 14
Yellow (w/ Curtain Shield Airbag)



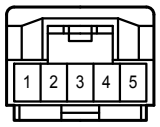
S 15
Yellow (w/o Curtain Shield Airbag)



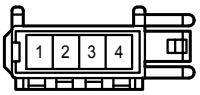
S 15
Yellow (w/ Curtain Shield Airbag)



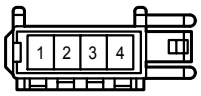
T 11



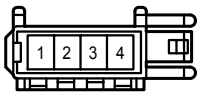
T 16



T 17



T 18



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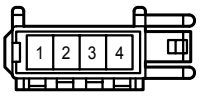
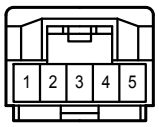
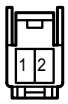


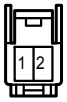
T 22



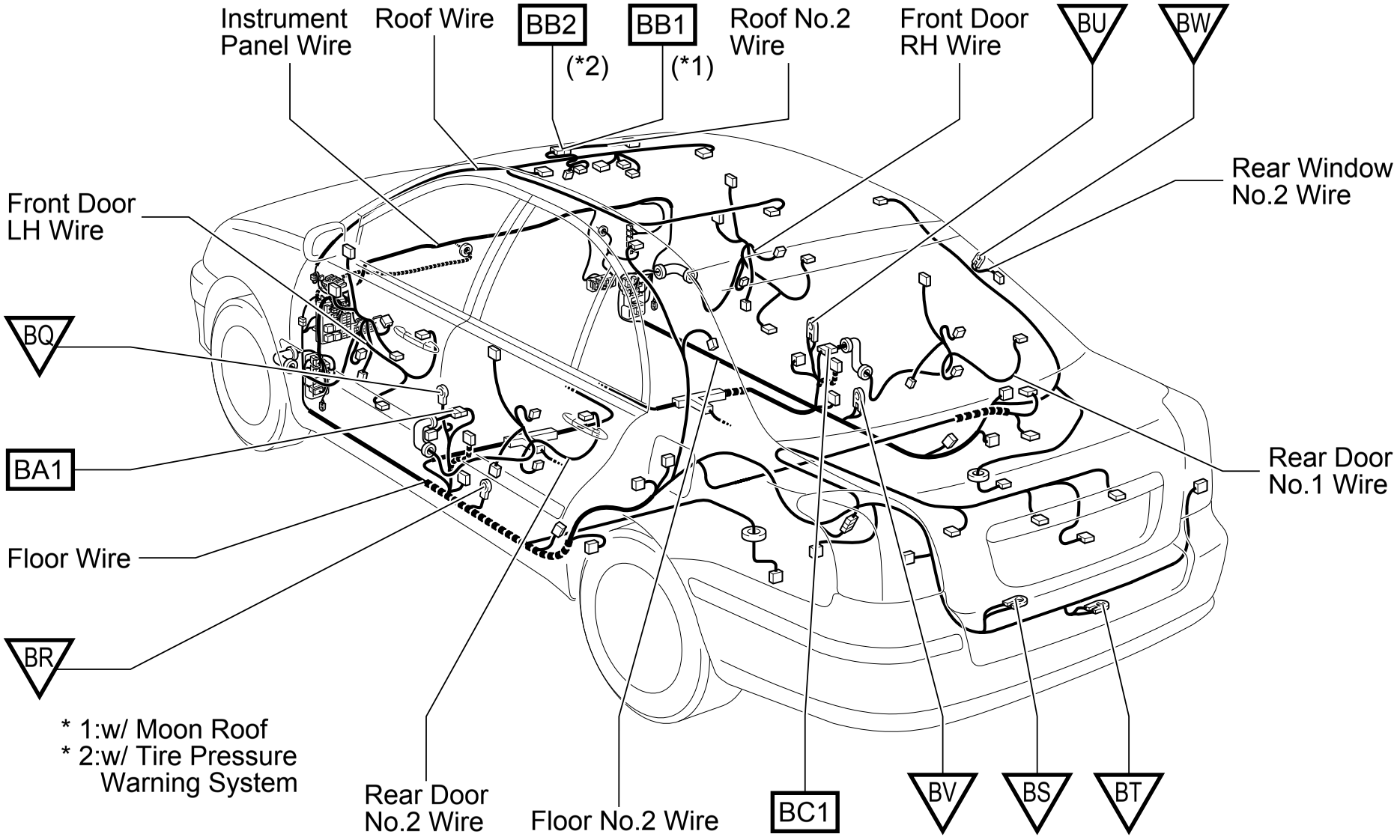
V 8



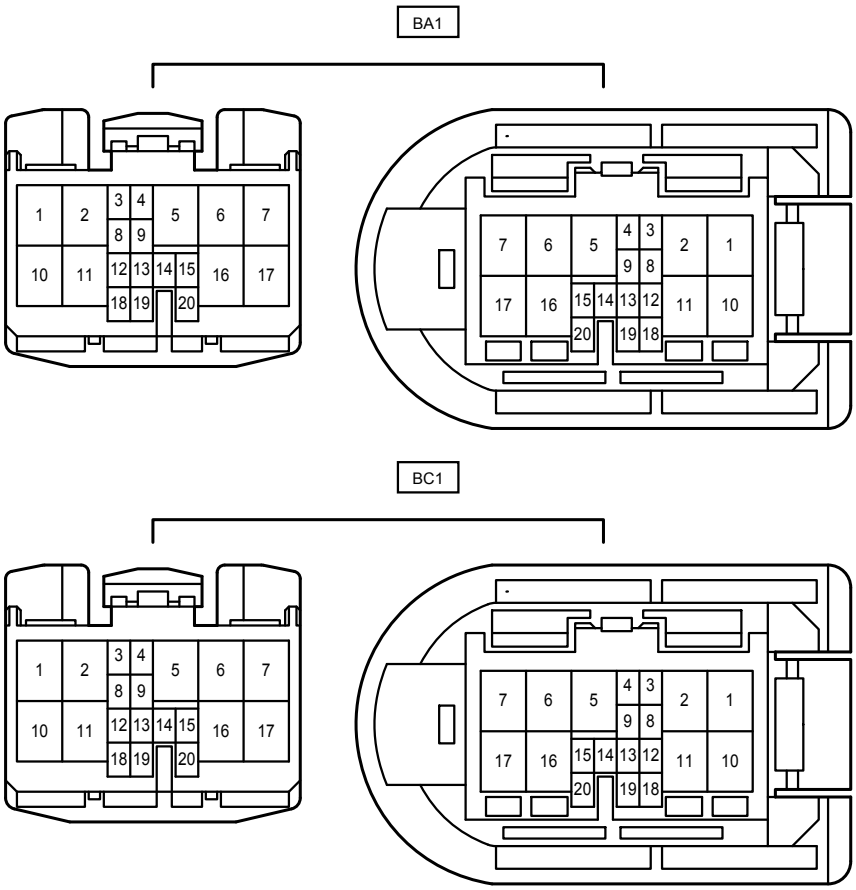
V 9



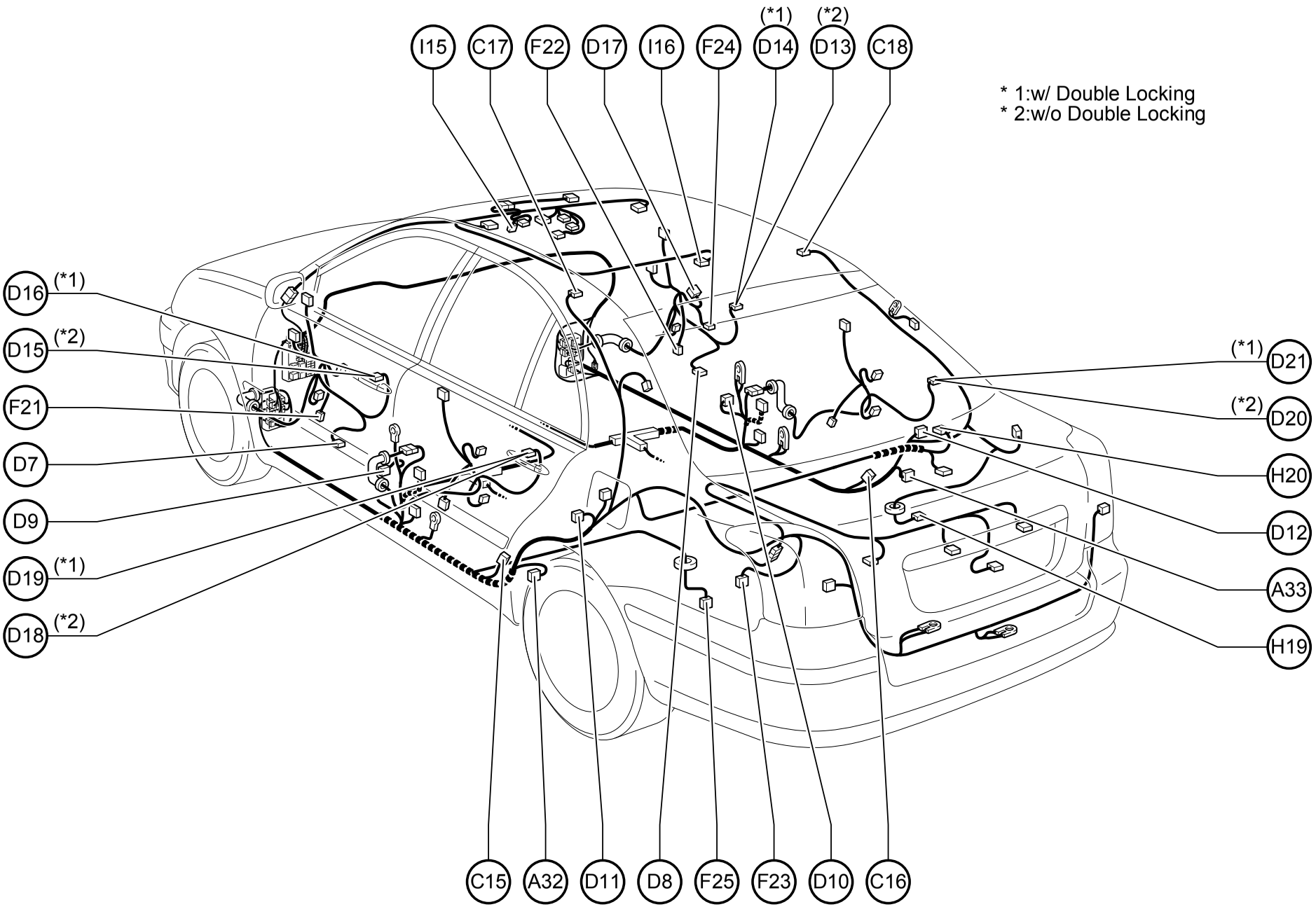
http://vnx.su


Instrument Panel Wire
Roof Wire
BB2
(*2)
BB1
(*1)
Roof No.2 Wire
Front Door RH Wire
BU
BW
Rear Window No.2 Wire
Front Door LH Wire
BQ
BA1
Floor Wire
BR
Rear Door No.1 Wire
* 1:w/ Moon Roof
* 2:w/ Tire Pressure Warning System
Rear Door No.2 Wire
Floor No.2 Wire
BC1
BV
BS
BT

http://vnx.su


BA1
1 2 3 4 5 6 7
8 9
10 11 12 13 14 15 16 17
18 19 20
7 6 5 4 3 2 1
9 8
17 16 15 14 13 12 11 10
20 19 18
BB1
1 2
3 4
5 6
2 1
4 3
6 5
BC1
1 2 3 4 5 6 7
8 9
10 11 12 13 14 15 16 17
18 19 20
7 6 5 4 3 2 1
9 8
17 16 15 14 13 12 11 10
20 19 18

http://vnx.su


I15
C17
F22
D17
I16
F24
(*1)
D14
(*2)
D13
C18
* 1:w/ Double Locking
* 2:w/o Double Locking
D16
(*1)
D15
(*2)
F21
D7
D9
D19
(*1)
D18
(*2)
(*1)
D21
(*2)
D20
H20
D12
A33
H19
C15
A32
D11
D8
F25
F23
D10
C16

http://vnx.su

A 32 ABS Speed Sensor Rear LH
A 33 ABS Speed Sensor Rear RH

C 15 Curtain Shield Airbag Sensor LH
C 16 Curtain Shield Airbag Sensor RH
C 17 Curtain Shield Airbag Squib LH
C 18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D 10 Door Courtesy SW Front RH
D 11 Door Courtesy SW Rear LH
D 12 Door Courtesy SW Rear RH
D 13 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side)
D 14 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side) , Double Lock Motor (Driver's Side) , Double Lock Position SW (Driver's Side)
D 15 Door Lock Control Motor (Front Passenger's Side)
D 16 Door Lock Control Motor (Front Passenger's Side) , Door Unlock Detection SW (Front Passenger's Side) , Double Lock Motor (Front Passenger's Side) , Double Lock Position SW (Front Passenger's Side)
D 17 Door Lock Control SW , Power Window Master SW
D 18 Door Lock Motor Rear LH
D 19 Door Lock Motor Rear LH , Door Unlock Detection SW Rear LH , Double Lock Motor Rear LH , Double Lock Position SW Rear LH
D 20 Door Lock Motor Rear RH
D 21 Door Lock Motor Rear RH , Door Unlock Detection SW Rear RH , Double Lock Motor Rear RH , Double Lock Position SW Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump , Fuel Sender

H 19 Height Control Sensor (Rear)
H 20 High Mounted Stop Light (W/G)
H 20 High Mounted Stop Light (S/D)
H 20 High Mounted Stop Light (L/B)

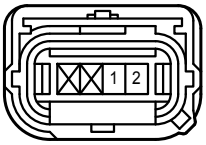
I 15 Inner Mirror
I 16 Interior Light

http://vnx.su

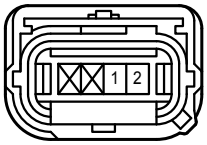
A 32

A 33

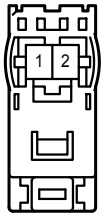
C 15
Yellow



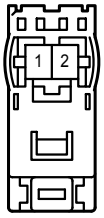
C 16
Yellow



C 17
Black



C 18
Black



D 7

D 8

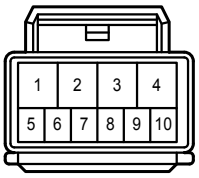
D 9

D 10

D 11

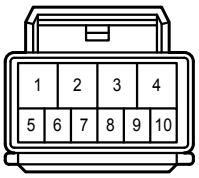
D 12

D 13



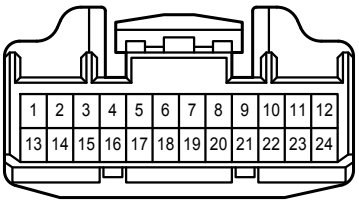
D 14

D 15

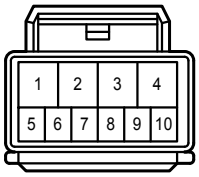


D 16

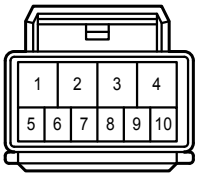
D 17



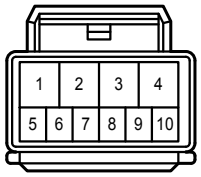
D 18



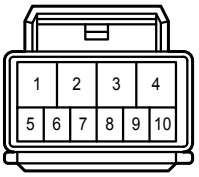
D 19



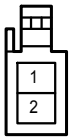
D 20



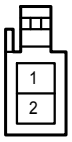
D 21



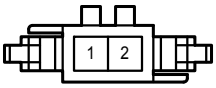
F 21
Black



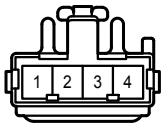
F 22
Black



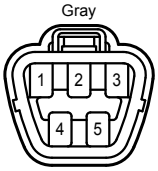
F 23
Black



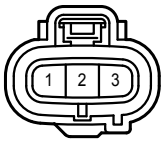
F 24



F 25
Gray

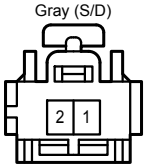


H 19
Black



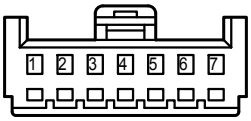
H 20
Black (W/G)

H 20
Gray (S/D)

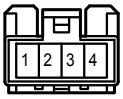


H 20
(L/B)

I 15
Black



I 16



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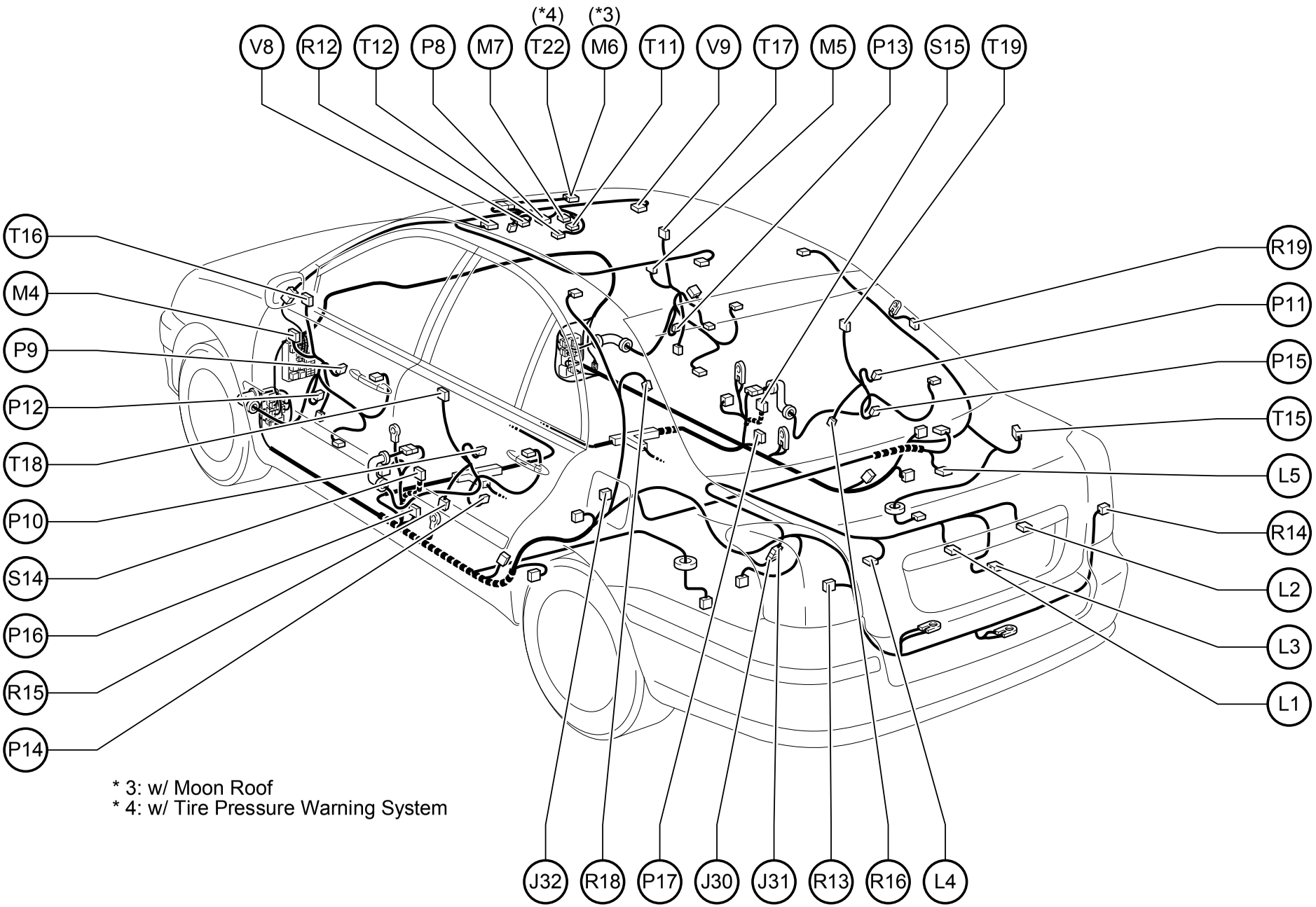

* 3: w/ Moon Roof
* 4: w/ Tire Pressure Warning System

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J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH
L 3 Luggage Compartment Door Lock Motor , Luggage Compartment Light SW
L 4 Luggage Compartment Door Opener SW
L 5 Luggage Compartment Light

M 4 Mirror Heater LH , Remote Control Mirror LH
M 5 Mirror Heater RH , Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH (W/G)
R 13 Rear Combination Light LH (Except W/G)
R 14 Rear Combination Light RH (W/G)
R 14 Rear Combination Light RH (Except W/G)
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 18 Rear Window Defogger (S/D, W/G)
R 18 Rear Window Defogger (L/B)
R 19 Rear Window Defogger (W/G)
R 19 Rear Window Defogger (S/D)
R 19 Rear Window Defogger (L/B)

S 14 Side Airbag Sensor LH (w/o Curtain Shield Airbag)
S 14 Side Airbag Sensor LH (w/ Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/o Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/ Curtain Shield Airbag)

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH
T 22 Tire Pressure Monitor Receiver

V 8 Vanity Light LH
V 9 Vanity Light RH

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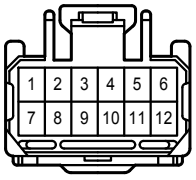
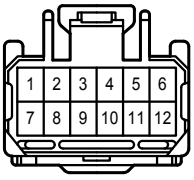
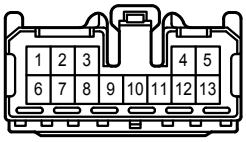
J 30



J 31



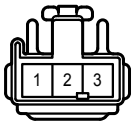
J 32



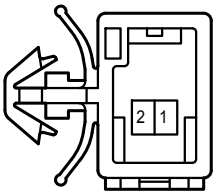
L 1
Black

L 2
Black

L 3
Black

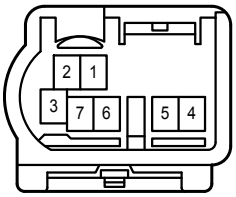


L 4

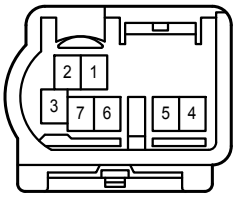


L 5

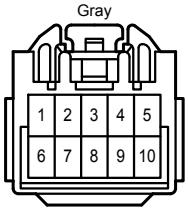
M 4



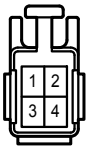
M 5



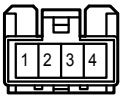
M 6
Gray



M 7



P 8



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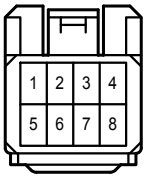

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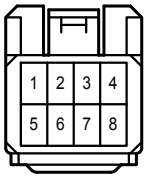
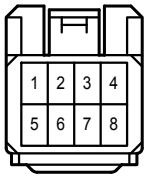
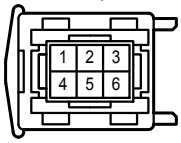


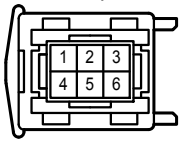
P 11



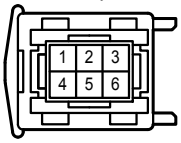
P 12
Gray



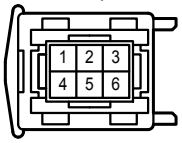
P 13
Gray



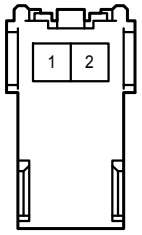
P 14
Gray



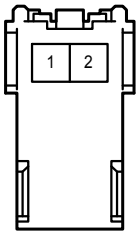
P 15
Gray



P 16
Yellow

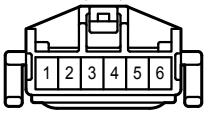


P 17
Yellow

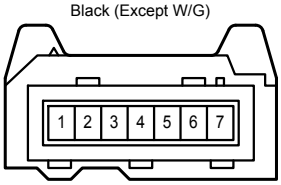


R 12
Black

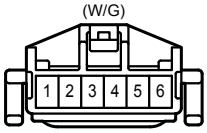
R 13
(W/G)



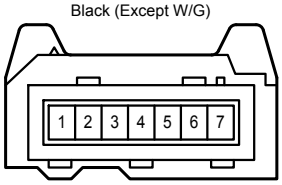
R 13
Black (Except W/G)



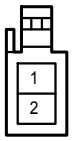
R 14
(W/G)



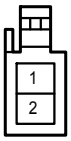
R 14
Black (Except W/G)



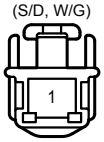
R 15
Black



R 16
Black



R 18
(S/D, W/G)



R 18
(L/B)

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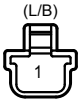
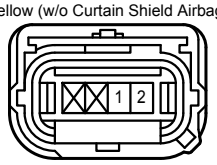
R 19
(W/G)

R 19
(S/D)

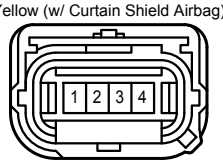
R 19
(L/B)



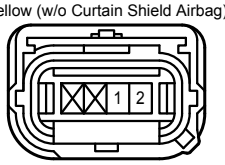
S 14
Yellow (w/o Curtain Shield Airbag)



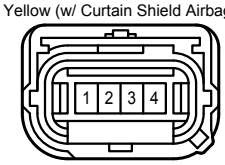
S 14
Yellow (w/ Curtain Shield Airbag)



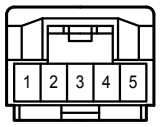
S 15
Yellow (w/o Curtain Shield Airbag)



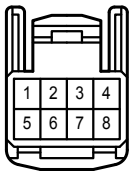
S 15
Yellow (w/ Curtain Shield Airbag)



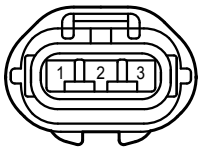
T 11



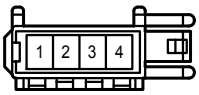
T 12



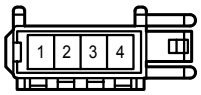
T 15
Black



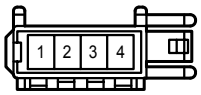
T 16



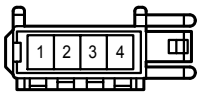
T 17



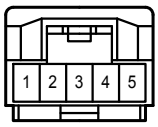
T 18



T 19

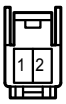


T 22



V 8

V 9



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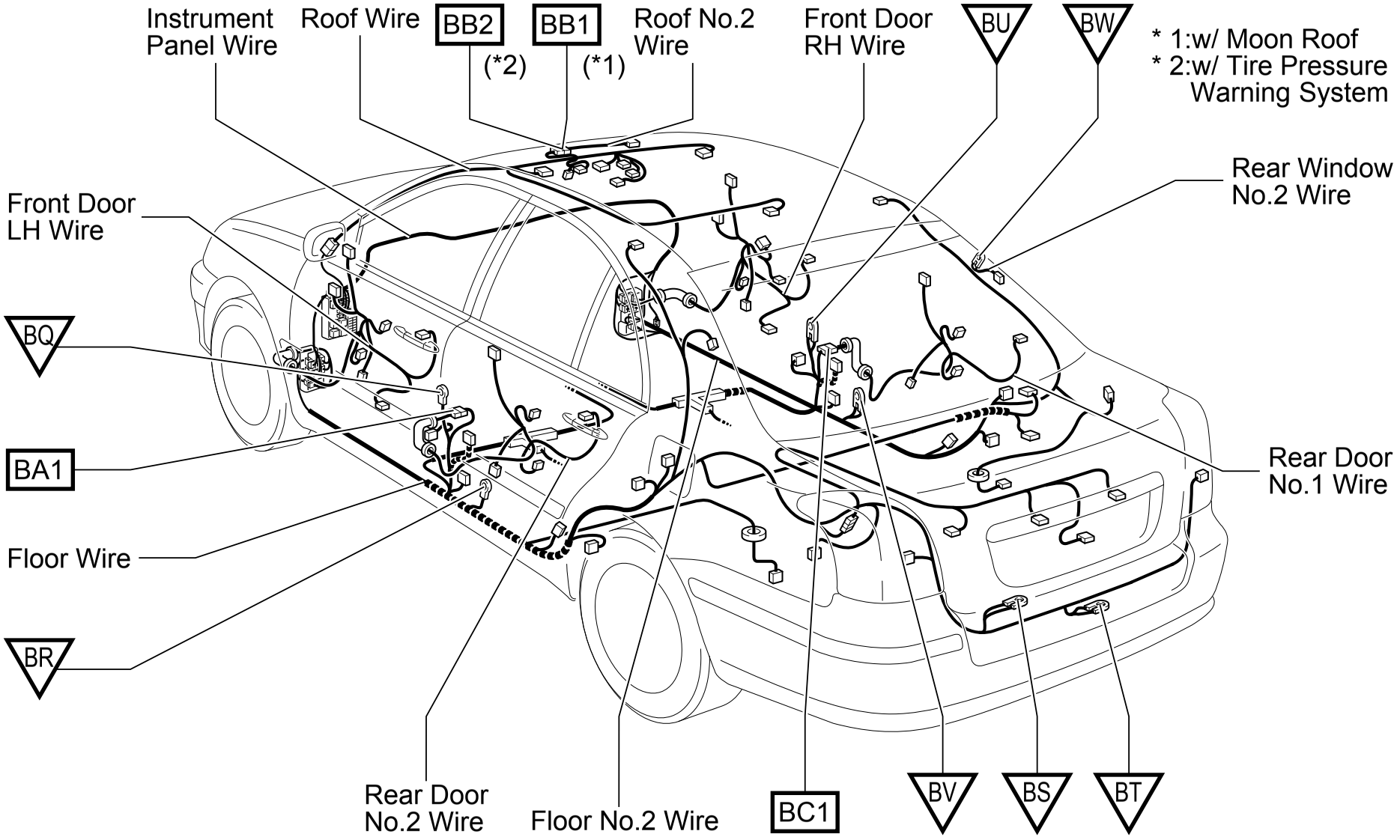
Instrument Panel Wire
Roof Wire
BB2
(*2)
BB1
(*1)
Roof No.2 Wire
Front Door RH Wire
BU
BW
* 1:w/ Moon Roof
* 2:w/ Tire Pressure Warning System
Rear Window No.2 Wire
Front Door LH Wire
BQ
BA1
Floor Wire
BR
Rear Door No.1 Wire
Rear Door No.2 Wire
Floor No.2 Wire
BC1
BV
BS
BT

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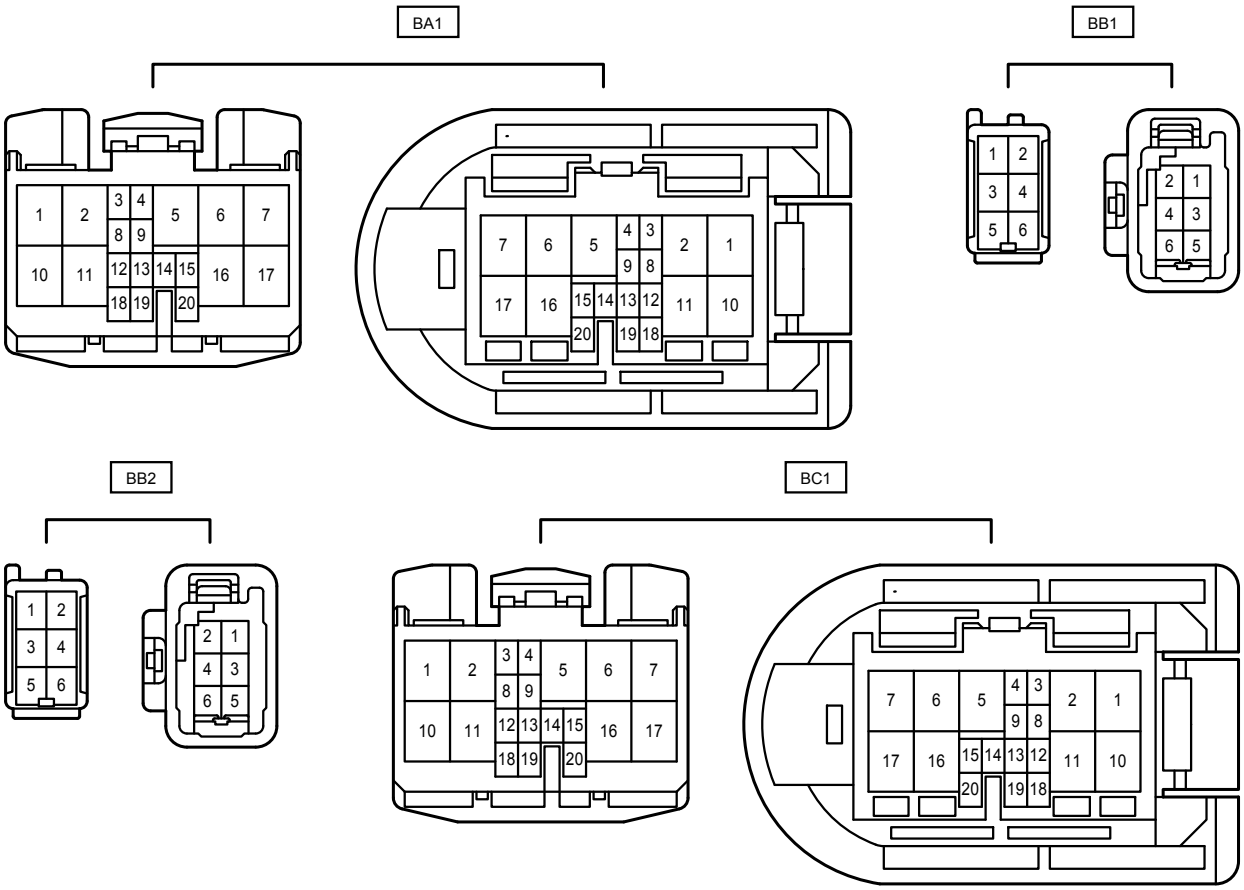

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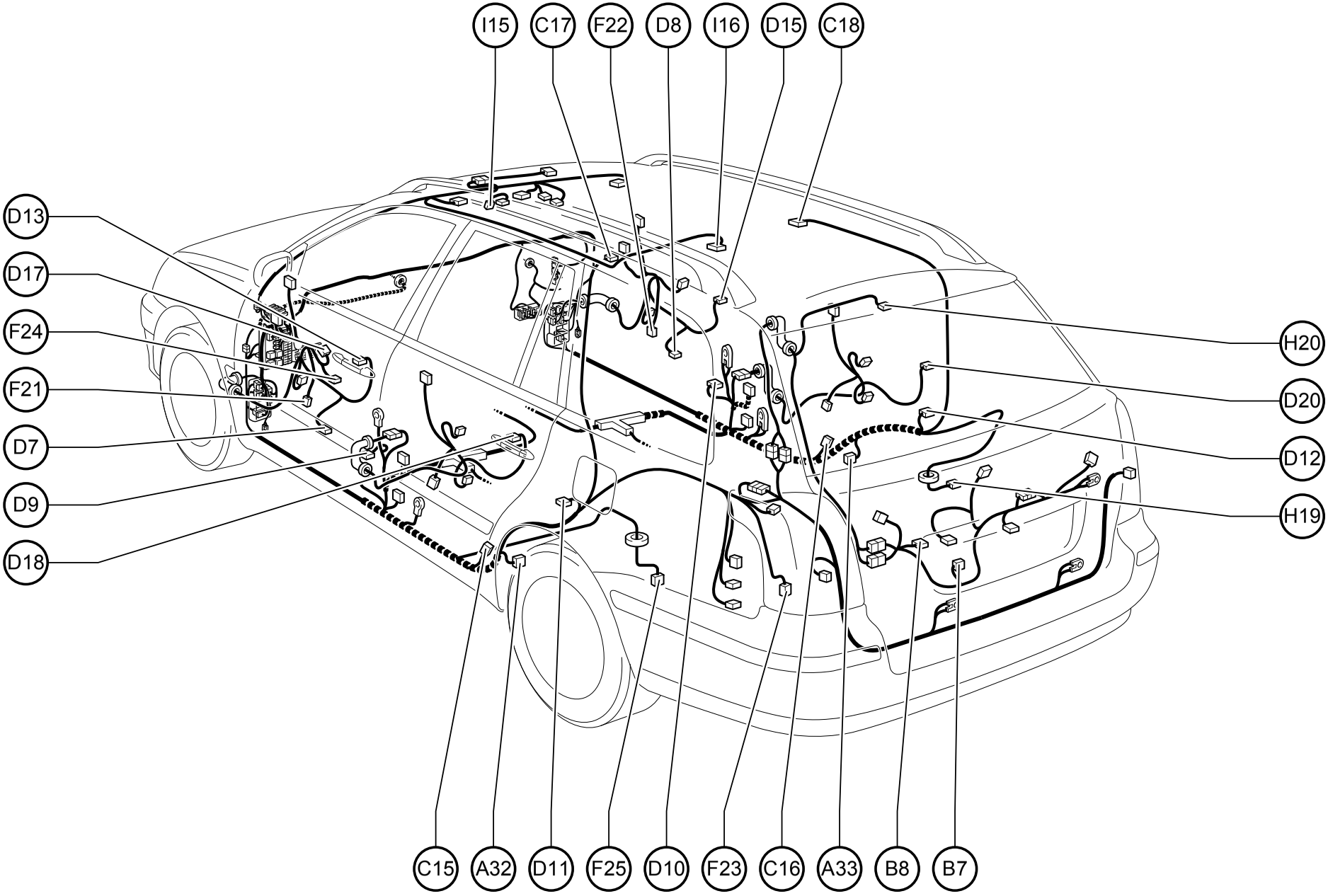
I15
C17
F22
D8
I16
D15
C18
D13
D17
F24
F21
D7
D9
D18
H20
D20
D12
H19
C15
A32
D11
F25
D10
F23
C16
A33
B8
B7

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A 32 ABS Speed Sensor Rear LH
A 33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW , Back Door Lock Motor (W/G)
B 7 Back Door Courtesy SW , Back Door Lock Motor (L/B)
B 8 Back Door Opener SW

C 15 Curtain Shield Airbag Sensor LH
C 16 Curtain Shield Airbag Sensor RH
C 17 Curtain Shield Airbag Squib LH
C 18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D 10 Door Courtesy SW Front RH
D 11 Door Courtesy SW Rear LH
D 12 Door Courtesy SW Rear RH
D 13 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side)
D 15 Door Lock Control Motor (Front Passenger's Side)
D 17 Door Lock Control SW , Power Window Master SW
D 18 Door Lock Motor Rear LH
D 20 Door Lock Motor Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump , Fuel Sender

H 19 Height Control Sensor (Rear)
H 20 High Mounted Stop Light (W/G)
H 20 High Mounted Stop Light (S/D)
H 20 High Mounted Stop Light (L/B)

I 15 Inner Mirror
I 16 Interior Light

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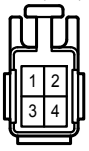
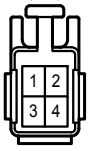
A 32

A 33

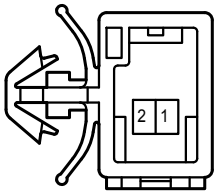
B 7
Blue (W/G)



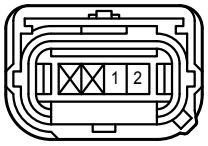
B 7
(L/B)



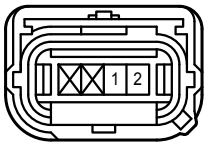
B 8



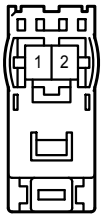
C 15
Yellow



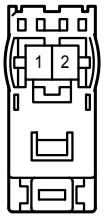
C 16
Yellow



C 17
Black



C 18
Black



D 7

D 8

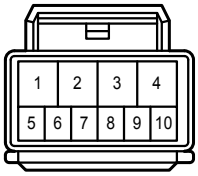
D 9

D 10

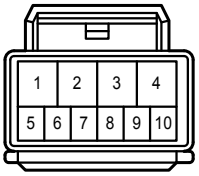
D 11

D 12

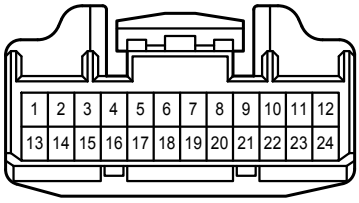
D 13



D 15

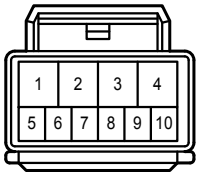


D 17

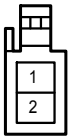


D 18

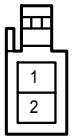
D 20



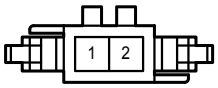
F 21
Black



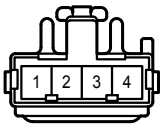
F 22
Black



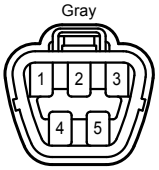
F 23
Black



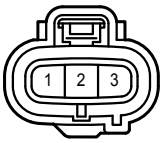
F 24



F 25
Gray

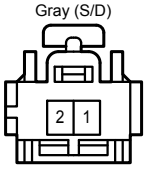


H 19
Black



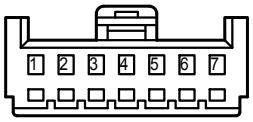
H 20
Black (W/G)

H 20
Gray (S/D)

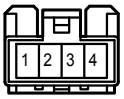


H 20
(L/B)

I 15
Black



I 16



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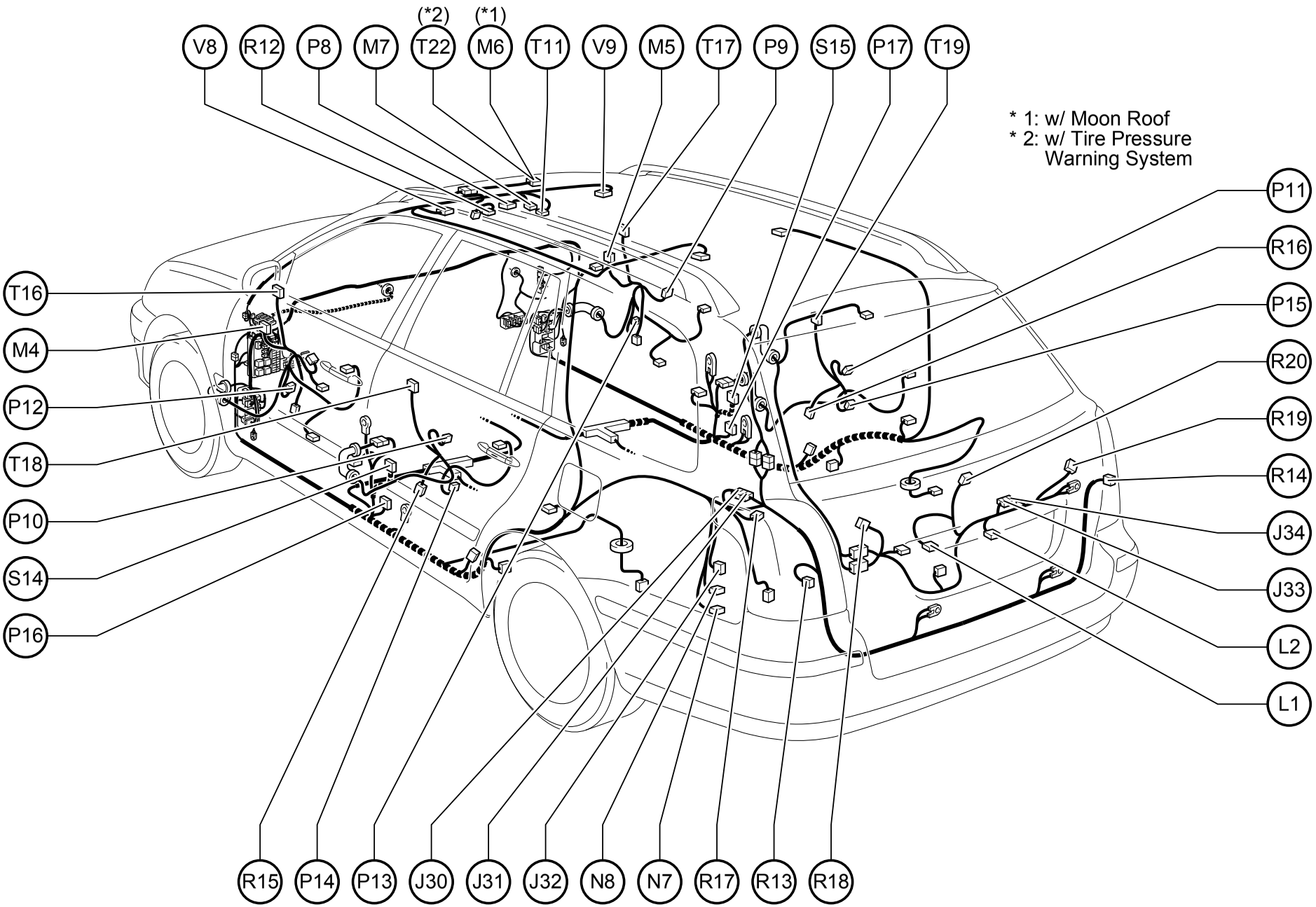
(*2)
(*1)
V8
R12
P8
M7
T22
M6
T11
V9
M5
T17
P9
S15
P17
T19
* 1: w/ Moon Roof
* 2: w/ Tire Pressure Warning System
P11
R16
P15
R20
R19
R14
J34
J33
L2
L1
T16
M4
P12
T18
P10
S14
P16
R15
P14
P13
J30
J31
J32
N8
N7
R17
R13
R18

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J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH , Remote Control Mirror LH
M 5 Mirror Heater RH , Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH (W/G)
R 13 Rear Combination Light LH (Except W/G)
R 14 Rear Combination Light RH (W/G)
R 14 Rear Combination Light RH (Except W/G)
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light (Except S/D)
R 18 Rear Window Defogger (S/D, W/G)
R 18 Rear Window Defogger (L/B)
R 19 Rear Window Defogger (W/G)
R 19 Rear Window Defogger (S/D)
R 19 Rear Window Defogger (L/B)
R 20 Rear Wiper Motor and Relay

S 14 Side Airbag Sensor LH (w/o Curtain Shield Airbag)
S 14 Side Airbag Sensor LH (w/ Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/o Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/ Curtain Shield Airbag)

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH
T 22 Tire Pressure Monitor Receiver

V 8 Vanity Light LH
V 9 Vanity Light RH

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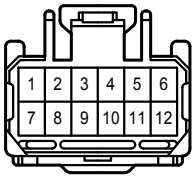
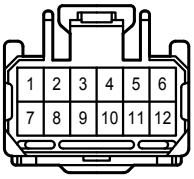
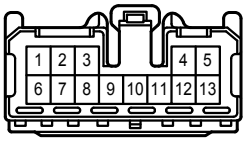
J 30



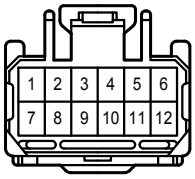
J 31



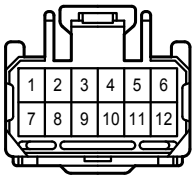
J 32



J 33



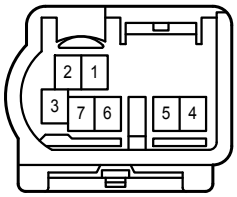
J 34



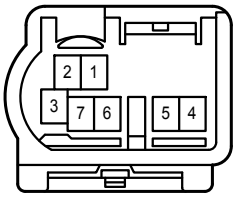
L 1
Black

L 2
Black

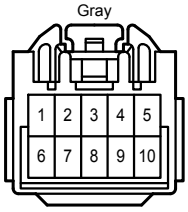
M 4



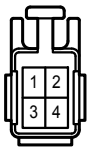
M 5



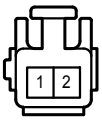
M 6
Gray



M 7



N 7



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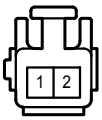
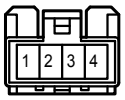
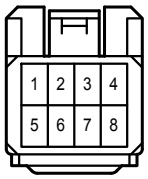


P 8



P 9



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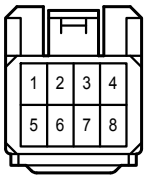

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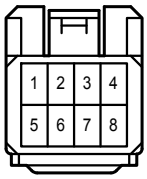
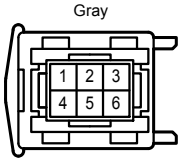
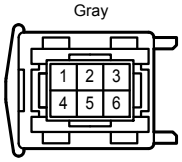


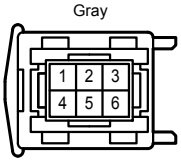
P 12
Gray



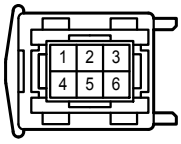
P 13
Gray



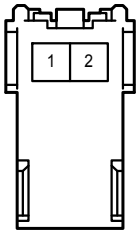
P 14
Gray



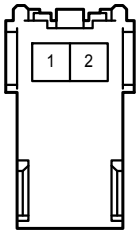
P 15
Gray



P 16
Yellow

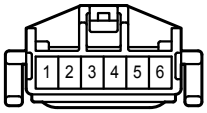


P 17
Yellow

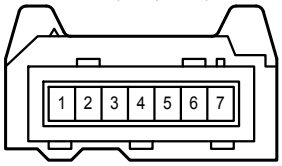


R 12
Black

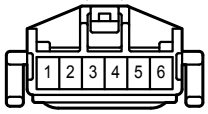
R 13
(W/G)



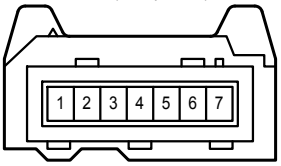
R 13
Black (Except W/G)



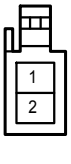
R 14
(W/G)



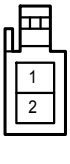
R 14
Black (Except W/G)



R 15
Black

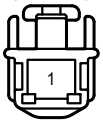


R 16
Black



R 17
(Except S/D)

R 18
(S/D, W/G)



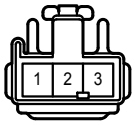
R 18
(L/B)

R 19
(W/G)

R 19
(S/D)

R 19
(L/B)

R 20
Black



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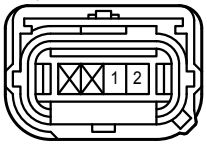
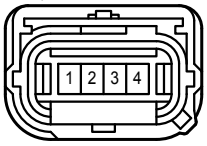
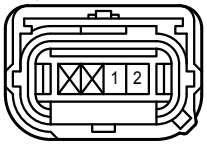
S 14
Yellow (w/o Curtain Shield Airbag)



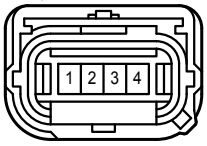
S 14
Yellow (w/ Curtain Shield Airbag)



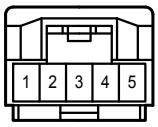
S 15
Yellow (w/o Curtain Shield Airbag)



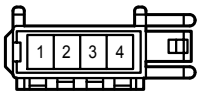
S 15
Yellow (w/ Curtain Shield Airbag)



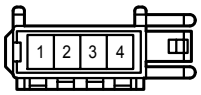
T 11



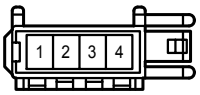
T 16



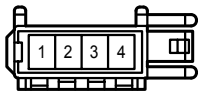
T 17



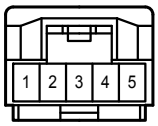
T 18



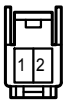
T 19



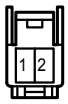
T 22



V 8



V 9



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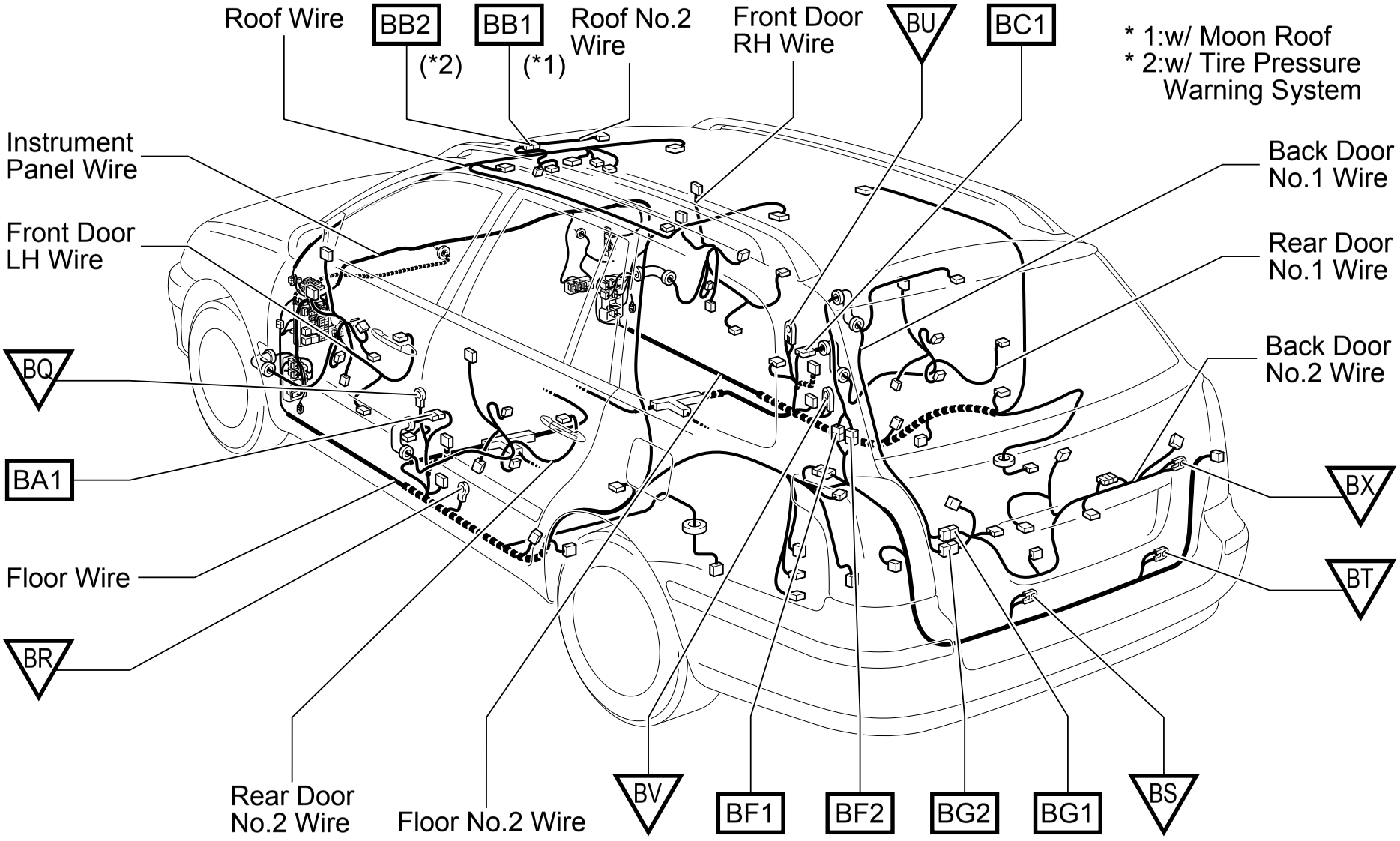
Roof Wire
BB2
(*2)
BB1
(*1)
Roof No.2 Wire
Front Door RH Wire
BU
BC1
* 1:w/ Moon Roof
* 2:w/ Tire Pressure Warning System
Instrument Panel Wire
Front Door LH Wire
Back Door No.1 Wire
Rear Door No.1 Wire
Back Door No.2 Wire
BQ
BA1
Floor Wire
BR
BX
BT
Rear Door No.2 Wire
Floor No.2 Wire
BV
BF1
BF2
BG2
BG1
BS

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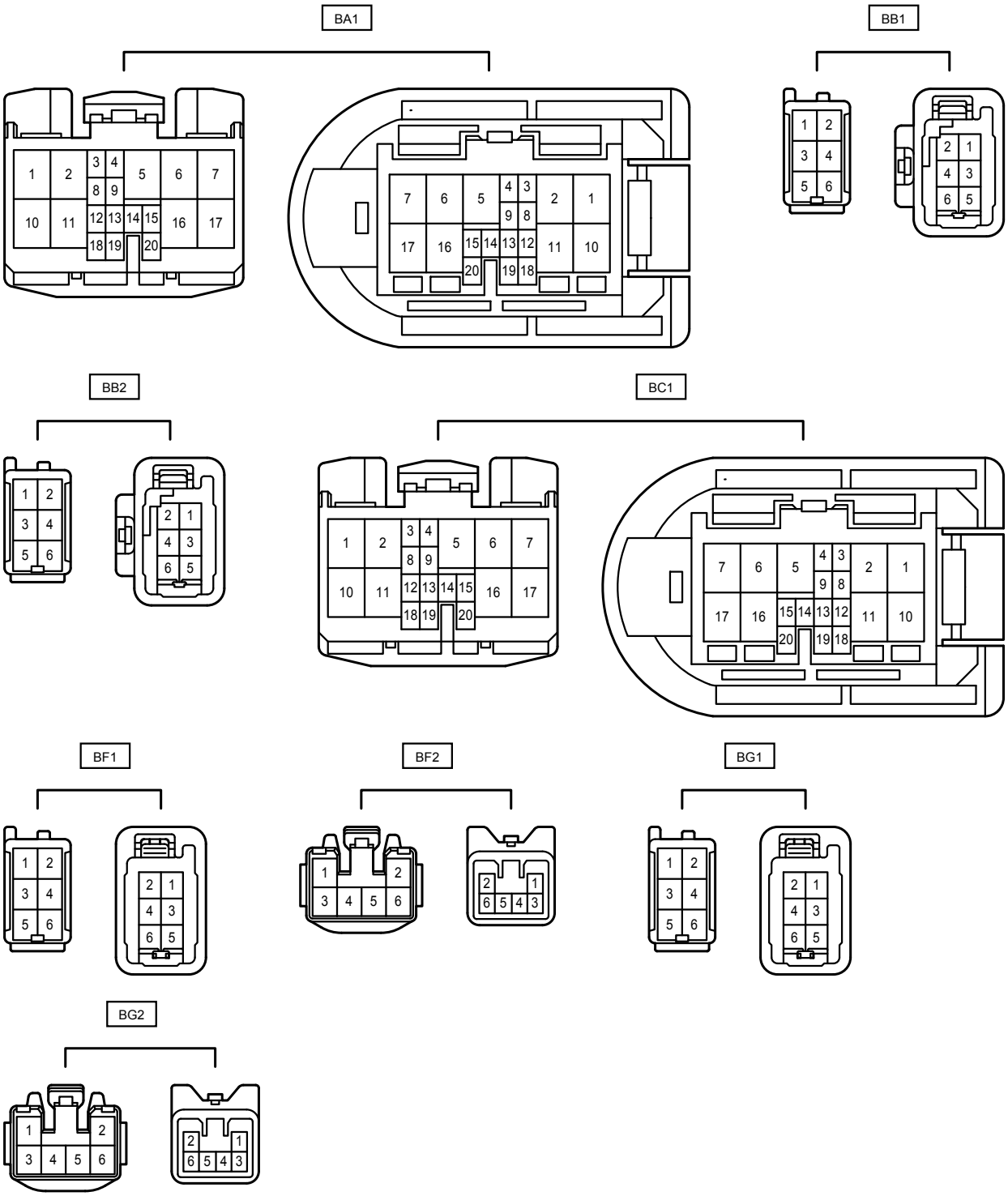
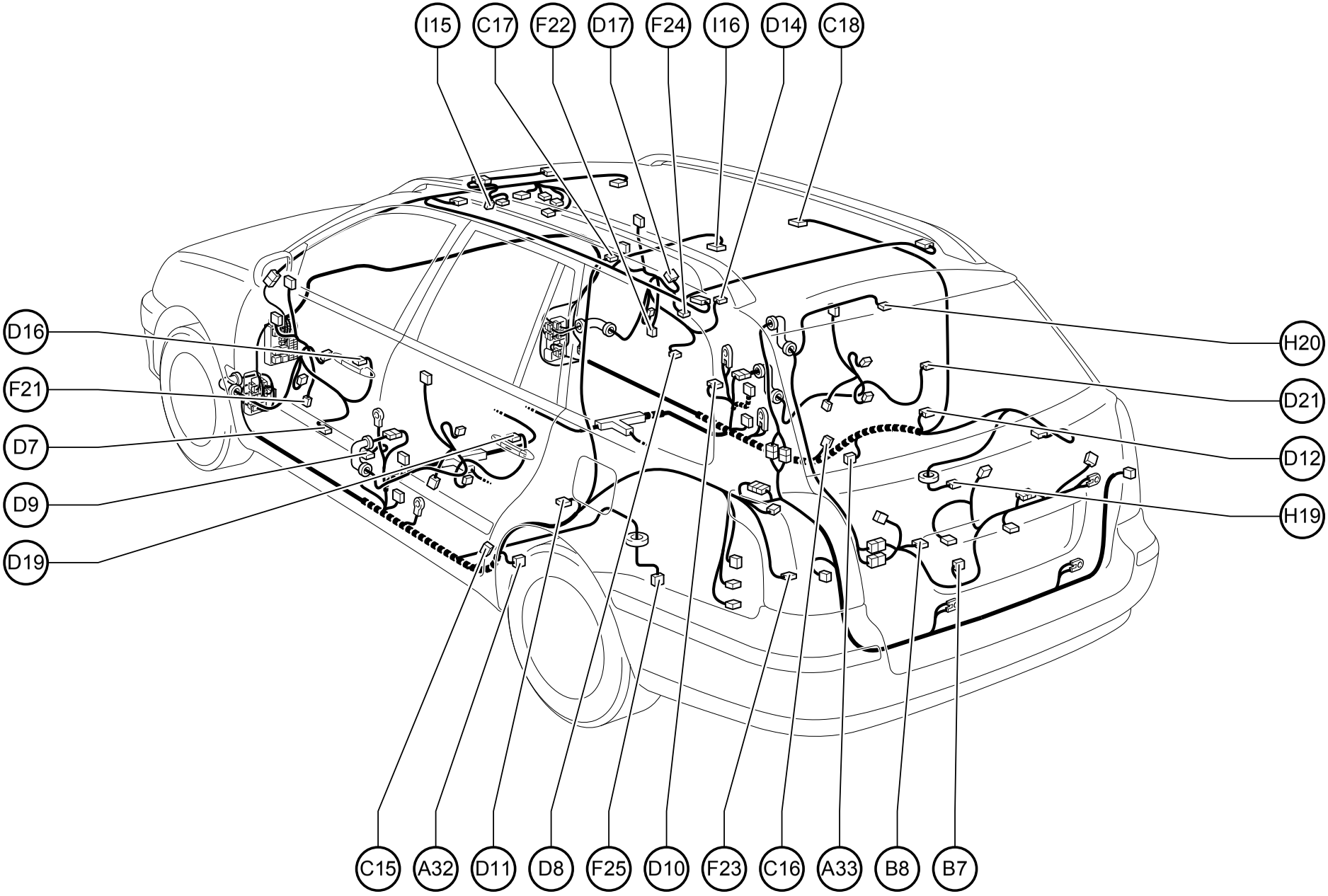


http://vnx.su


I15
C17
F22
D17
F24
I16
D14
C18
D16
F21
D7
D9
D19
H20
D21
D12
H19
C15
A32
D11
D8
F25
D10
F23
C16
A33
B8
B7

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A 32 ABS Speed Sensor Rear LH
A 33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW , Back Door Lock Motor (W/G)
B 7 Back Door Courtesy SW , Back Door Lock Motor (L/B)
B 8 Back Door Opener SW

C 15 Curtain Shield Airbag Sensor LH
C 16 Curtain Shield Airbag Sensor RH
C 17 Curtain Shield Airbag Squib LH
C 18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D 10 Door Courtesy SW Front RH
D 11 Door Courtesy SW Rear LH
D 12 Door Courtesy SW Rear RH
D 14 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side) , Double Lock Motor (Driver's Side) , Double Lock Position SW (Driver's Side)
D 16 Door Lock Control Motor (Front Passenger's Side) , Door Unlock Detection SW (Front Passenger's Side) , Double Lock Motor (Front Passenger's Side) , Double Lock Position SW (Front Passenger's Side)
D 17 Door Lock Control SW , Power Window Master SW
D 19 Door Lock Motor Rear LH , Door Unlock Detection SW Rear LH , Double Lock Motor Rear LH , Double Lock Position SW Rear LH
D 21 Door Lock Motor Rear RH , Door Unlock Detection SW Rear RH , Double Lock Motor Rear RH , Double Lock Position SW Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump , Fuel Sender

H 19 Height Control Sensor (Rear)
H 20 High Mounted Stop Light (W/G)
H 20 High Mounted Stop Light (S/D)
H 20 High Mounted Stop Light (L/B)

I 15 Inner Mirror
I 16 Interior Light

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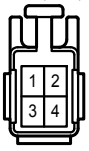
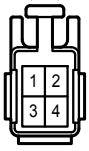
A 32

A 33

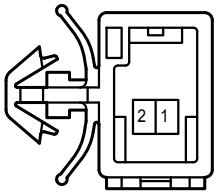
B 7
Blue (W/G)



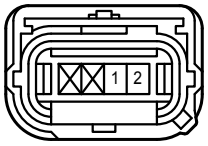
B 7
(L/B)



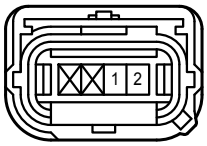
B 8



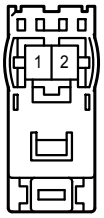
C 15
Yellow



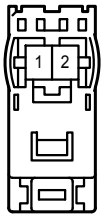
C 16
Yellow



C 17
Black



C 18
Black



D 7

D 8

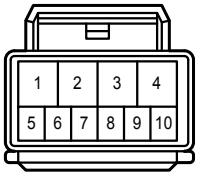
D 9

D 10

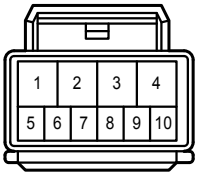
D 11

D 12

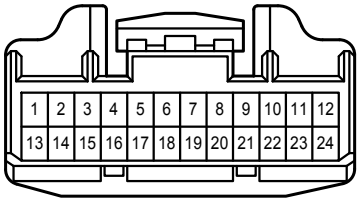
D 14



D 16

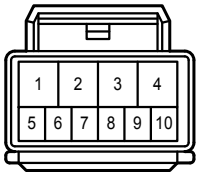


D 17

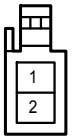


D 19

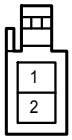
D 21



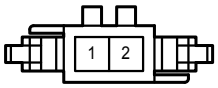
F 21
Black



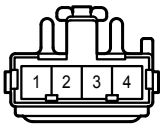
F 22
Black



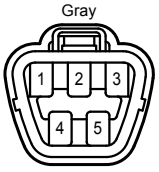
F 23
Black



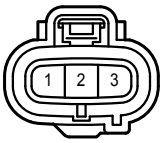
F 24



F 25
Gray

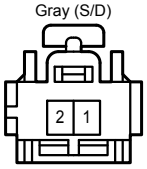


H 19
Black



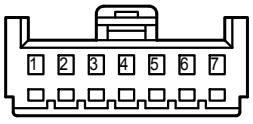
H 20
Black (W/G)

H 20
Gray (S/D)

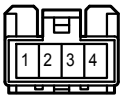


H 20
(L/B)

I 15
Black



I 16



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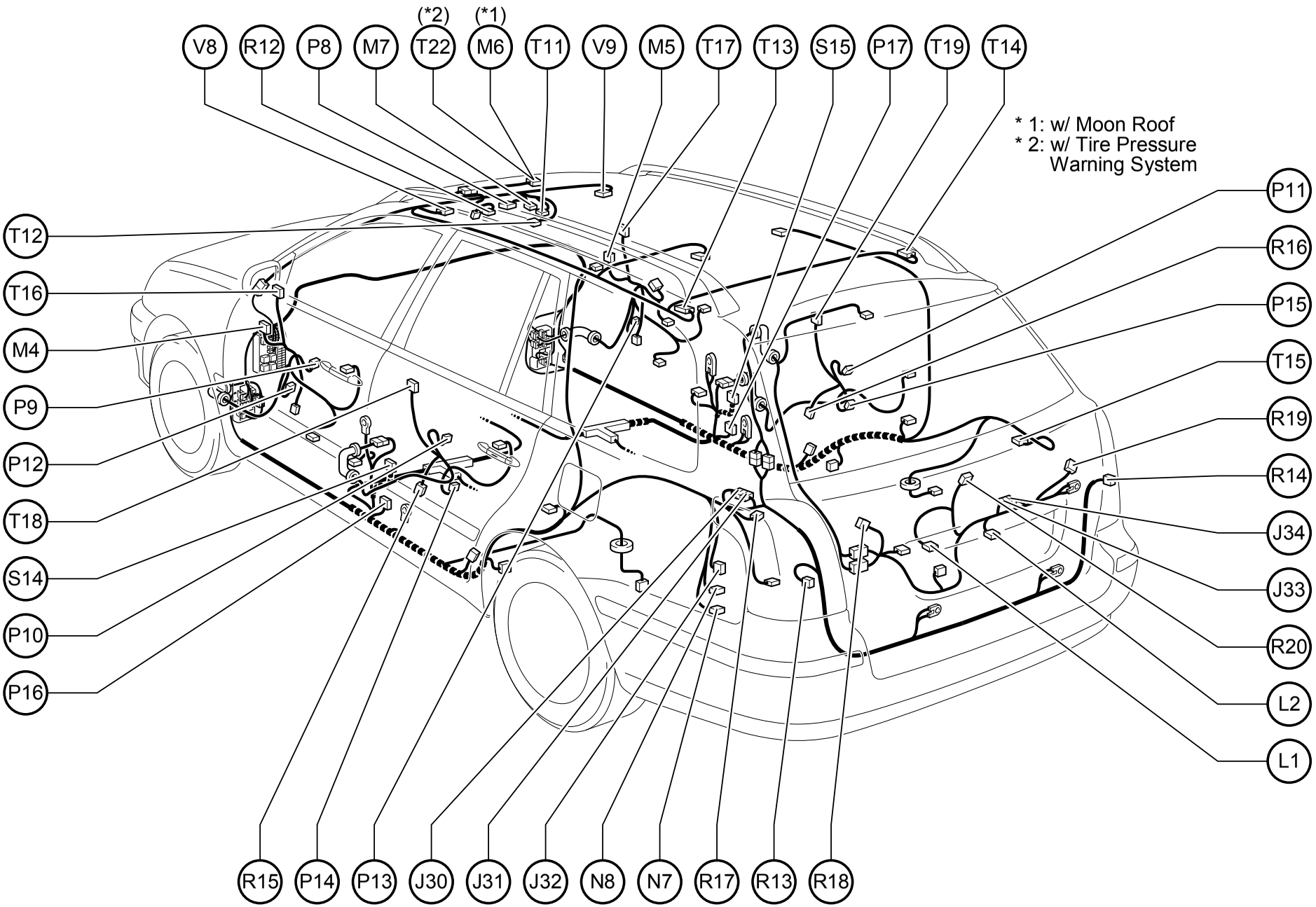
(*2)
(*1)
V8
R12
P8
M7
T22
M6
T11
V9
M5
T17
T13
S15
P17
T19
T14
* 1: w/ Moon Roof
* 2: w/ Tire Pressure Warning System
T12
T16
M4
P9
P12
T18
S14
P10
P16
P11
R16
P15
T15
R19
R14
J34
J33
R20
L2
L1
R15
P14
P13
J30
J31
J32
N8
N7
R17
R13
R18

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J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH , Remote Control Mirror LH
M 5 Mirror Heater RH , Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH (W/G)
R 13 Rear Combination Light LH (Except W/G)
R 14 Rear Combination Light RH (W/G)
R 14 Rear Combination Light RH (Except W/G)
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light (Except S/D)
R 18 Rear Window Defogger (S/D, W/G)
R 18 Rear Window Defogger (L/B)
R 19 Rear Window Defogger (W/G)
R 19 Rear Window Defogger (S/D)
R 19 Rear Window Defogger (L/B)
R 20 Rear Wiper Motor and Relay

S 14 Side Airbag Sensor LH (w/o Curtain Shield Airbag)
S 14 Side Airbag Sensor LH (w/ Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/o Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/ Curtain Shield Airbag)

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 13 Theft Warning Ultrasonic Sensor Rear LH
T 14 Theft Warning Ultrasonic Sensor Rear RH
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH
T 22 Tire Pressure Monitor Receiver

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V 8 Vanity Light LH
V 9 Vanity Light RH

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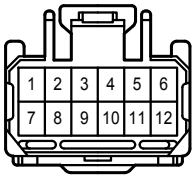
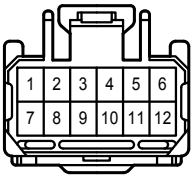
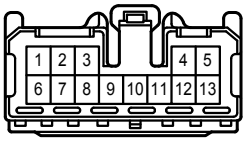
J 30



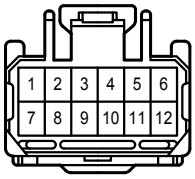
J 31



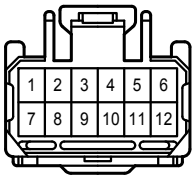
J 32



J 33



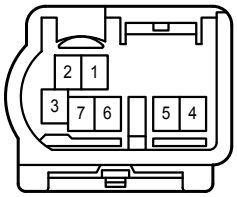
J 34



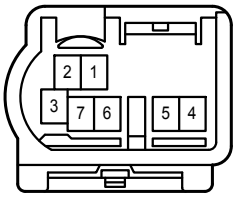
L 1
Black

L 2
Black

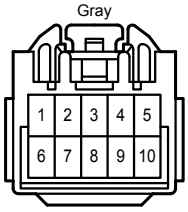
M 4



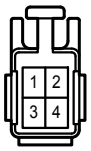
M 5



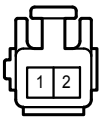
M 6
Gray



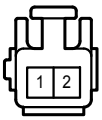
M 7



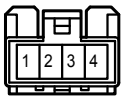
N 7



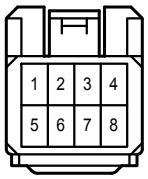
N 8



P 8



P 9



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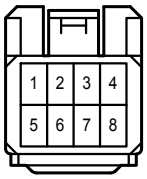
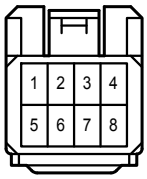
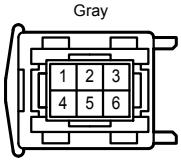


P 11



P 12
Gray



P 13
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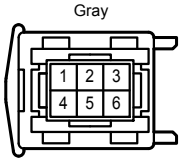

P 14
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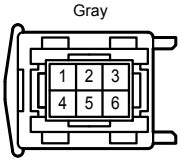

P 15
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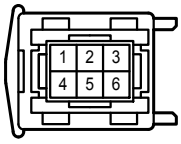
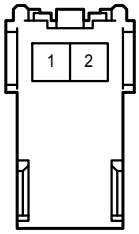
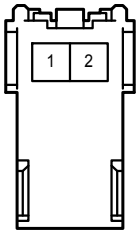


P 16
Yellow

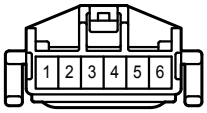


P 17
Yellow

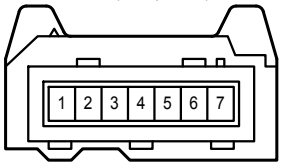


R 12
Black

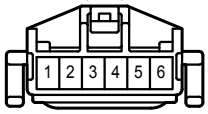
R 13
(W/G)



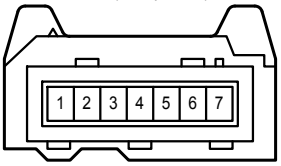
R 13
Black (Except W/G)



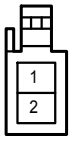
R 14
(W/G)



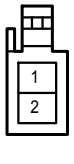
R 14
Black (Except W/G)



R 15
Black



R 16
Black



R 17
(Except S/D)

R 18
(S/D, W/G)

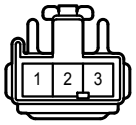
R 18
(L/B)

R 19
(W/G)

R 19
(S/D)

R 19
(L/B)

R 20
Black



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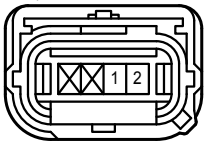
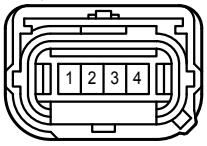
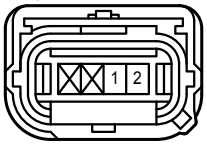
S 14
Yellow (w/o Curtain Shield Airbag)



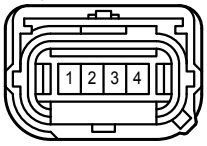
S 14
Yellow (w/ Curtain Shield Airbag)



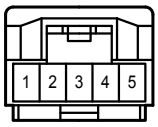
S 15
Yellow (w/o Curtain Shield Airbag)



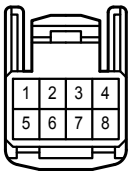
S 15
Yellow (w/ Curtain Shield Airbag)



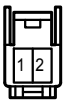
T 11



T 12



T 13



T 14
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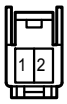
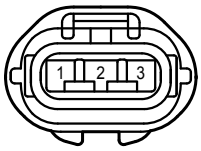
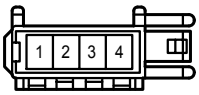


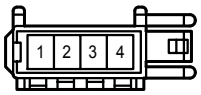
T 15
Black



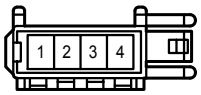
T 16



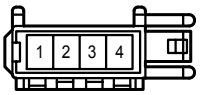
T 17



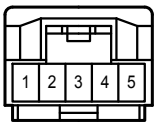
T 18



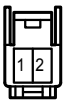
T 19



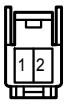
T 22



V 8



V 9



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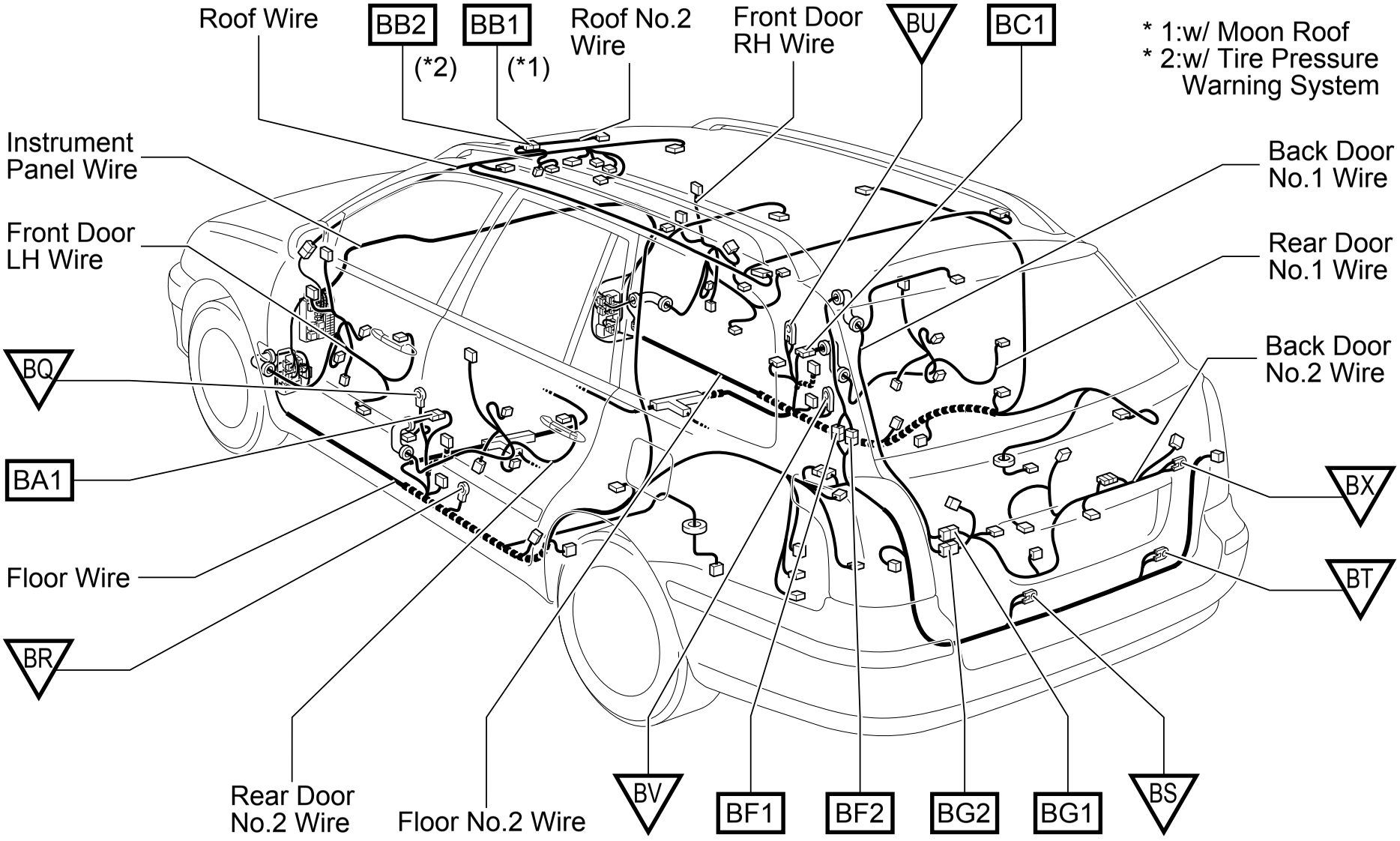
Roof Wire
BB2
(*2)
BB1
(*1)
Roof No.2 Wire
Front Door RH Wire
BU
BC1
* 1:w/ Moon Roof
* 2:w/ Tire Pressure Warning System
Instrument Panel Wire
Front Door LH Wire
Back Door No.1 Wire
Rear Door No.1 Wire
Back Door No.2 Wire
BQ
BA1
Floor Wire
BR
BX
BT
Rear Door No.2 Wire
Floor No.2 Wire
BV
BF1
BF2
BG2
BG1
BS

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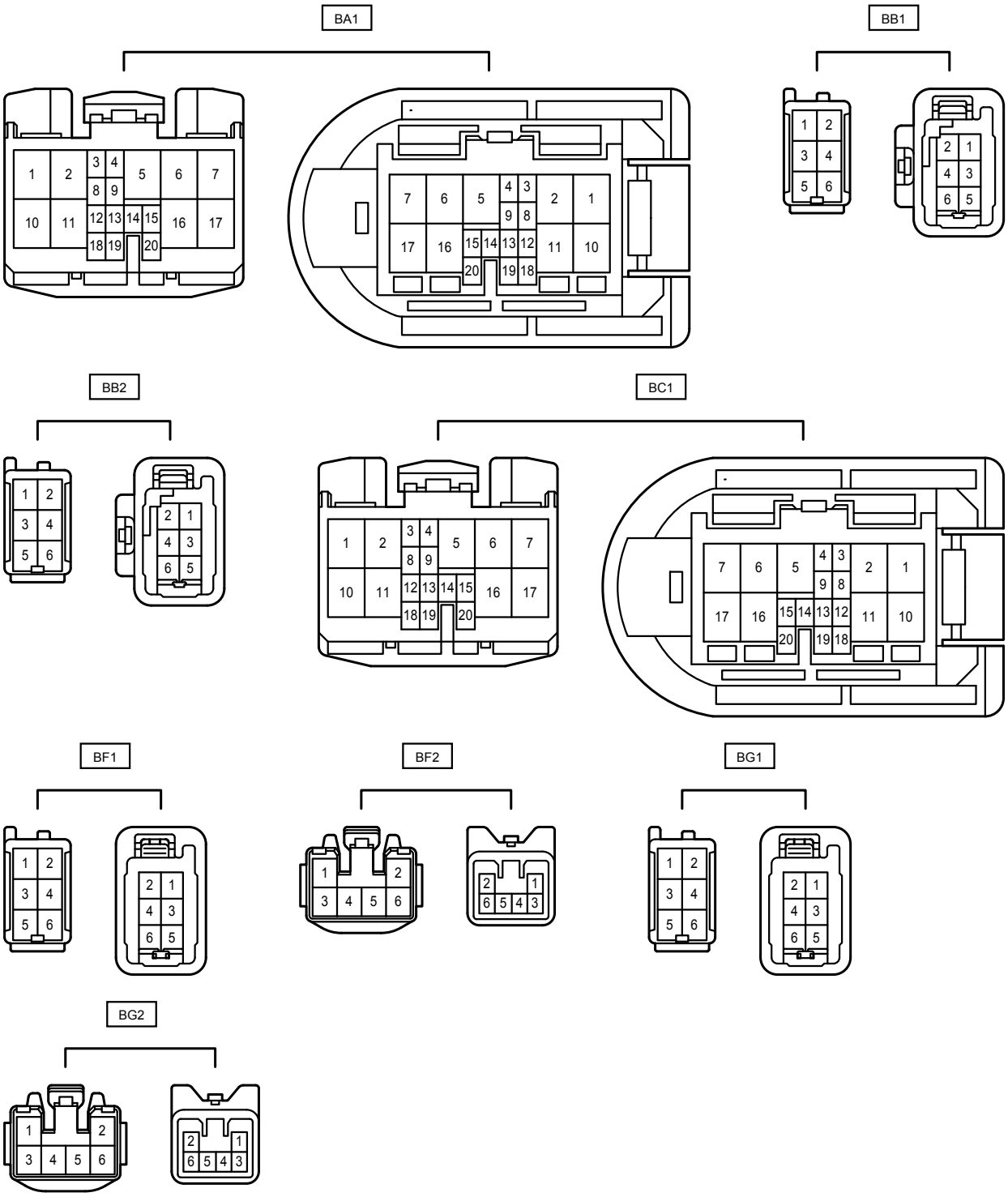

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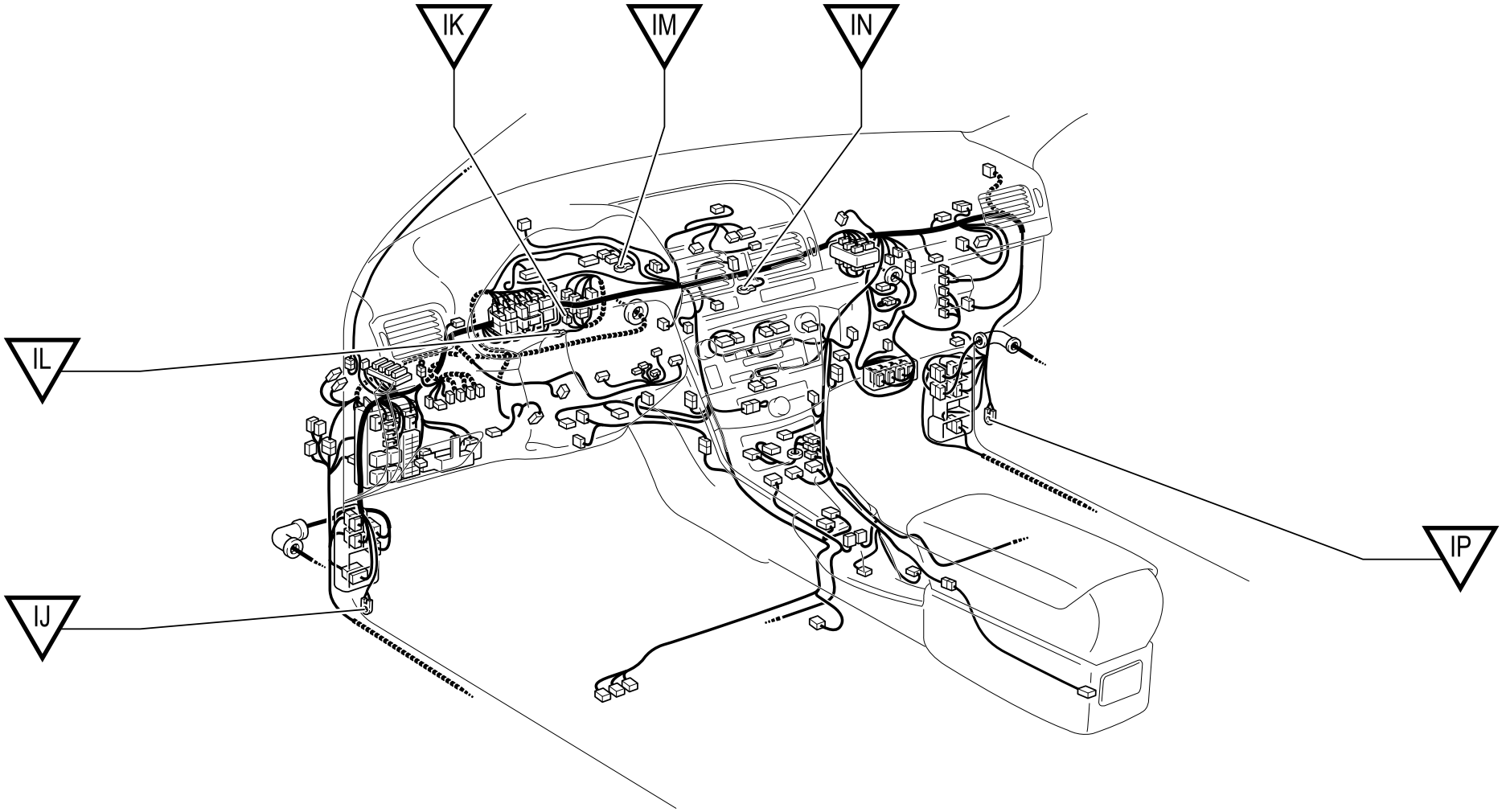
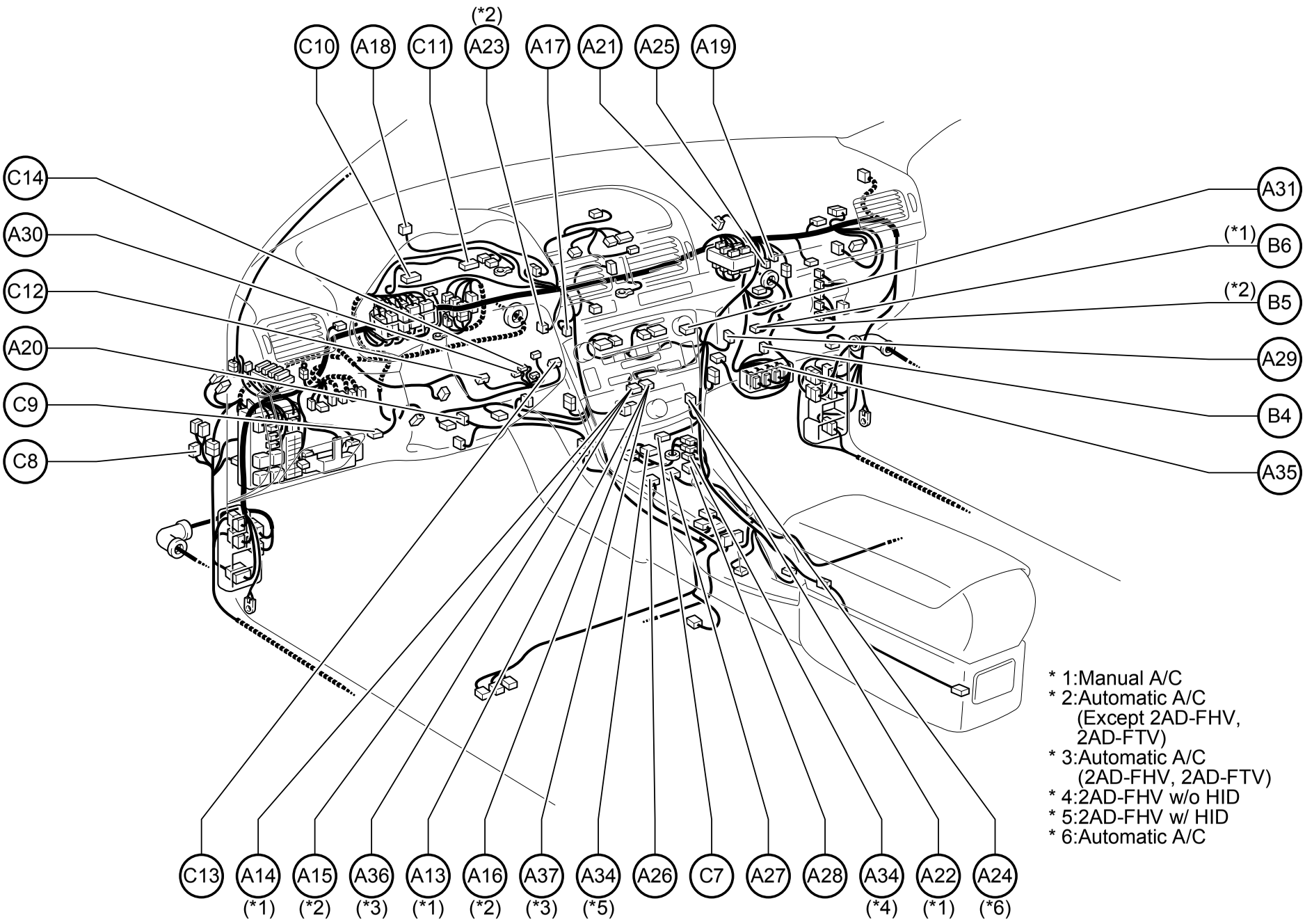


http://vnx.su


C10
A18
C11
(*2)
A23
A17
A21
A25
A19
C14
A30
C12
A20
C9
C8
A31
(*1)
B6
(*2)
B5
A29
B4
A35
C13
A14
(*1)
A15
(*2)
A36
(*3)
A13
(*1)
A16
(*2)
A37
(*3)
A34
(*5)
A26
C7
A27
A28
A34
(*4)
A22
(*1)
A24
(*6)
* 1:Manual A/C
* 2:Automatic A/C
(Except 2AD-FHV,
2AD-FTV)
* 3:Automatic A/C
(2AD-FHV, 2AD-FTV)
* 4:2AD-FHV w/o HID
* 5:2AD-FHV w/ HID
* 6:Automatic A/C

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A 13 A/C Control Assembly
A 14 A/C Control Assembly
A 15 A/C Control Assembly
A 16 A/C Control Assembly
A 17 A/C Room Temp. Sensor
A 18 A/C Solar Sensor
A 19 A/C Thermistor
A 20 Accel Position Sensor
A 21 Air Inlet Control Servo Motor
A 22 Air Mix Control Servo Motor
A 23 Air Mix Control Servo Motor (Driver Side)
A 24 Air Mix Control Servo Motor (Front Passenger Side)
A 25 Air Vent Mode Control Servo Motor
A 26 Airbag Sensor Assembly
A 27 Airbag Sensor Assembly
A 28 Airbag Sensor Assembly
A 29 Airbag Squib (Front Passenger Airbag Assembly)
A 30 Airbag Squib (Steering Wheel Pad)
A 31 Antenna Amplifier
A 34 Air Fuel Ratio Sensor
A 35 Air Fuel Ratio Sensor Relay
A 36 A/C Control Assembly
A 37 A/C Control Assembly

B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter , Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C 10 Combination Meter
C 11 Combination Meter
C 12 Combination SW
C 13 Combination SW
C 14 Combination SW

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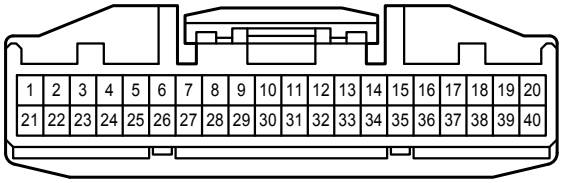
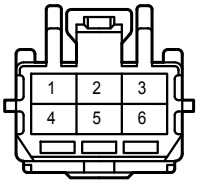
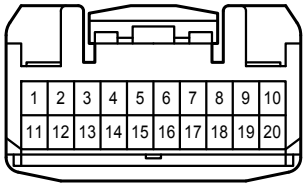
A 13



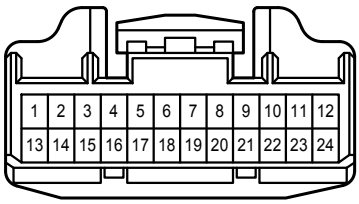
A 14



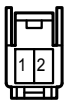
A 15



A 16

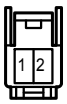


A 17
Black



A 18
Black

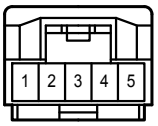
A 19



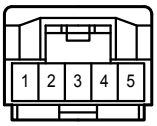
A 20
Black

A 21
Black

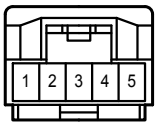
A 22
Black



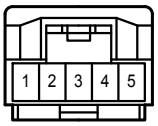
A 23
Black



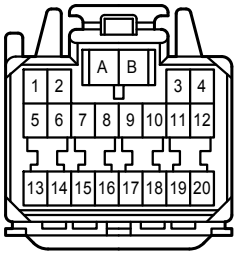
A 24
Black



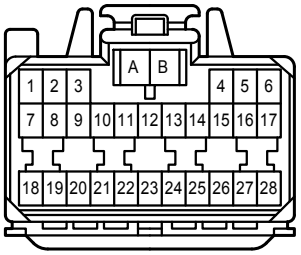
A 25
Black



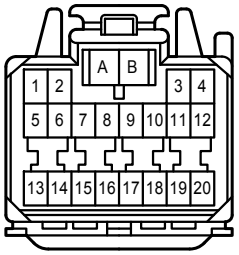
A 26
Yellow



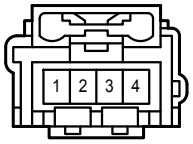
A 27
Yellow



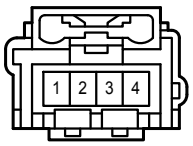
A 28
Yellow



A 29
Yellow



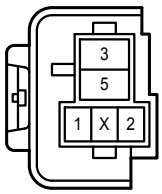
A 30
Yellow



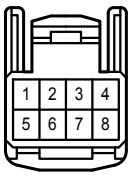
A 31

A 34
Gray

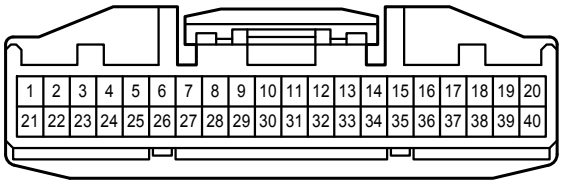
A 35



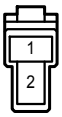
A 36



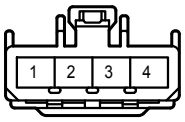
A 37



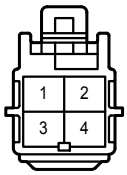
B 4



B 5
Black



B 6
Black



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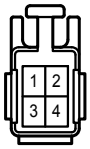
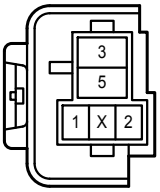
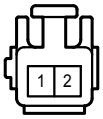
C 7
Black



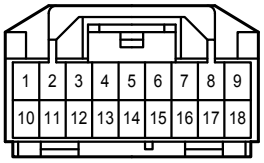
C 8



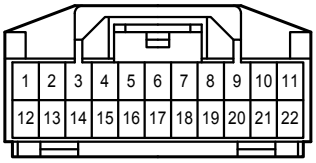
C 9



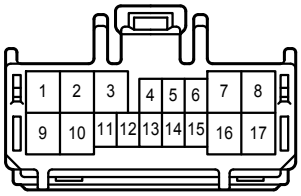
C 10
Blue



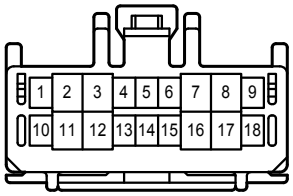
C 11



C 12



C 13
Black



C 14

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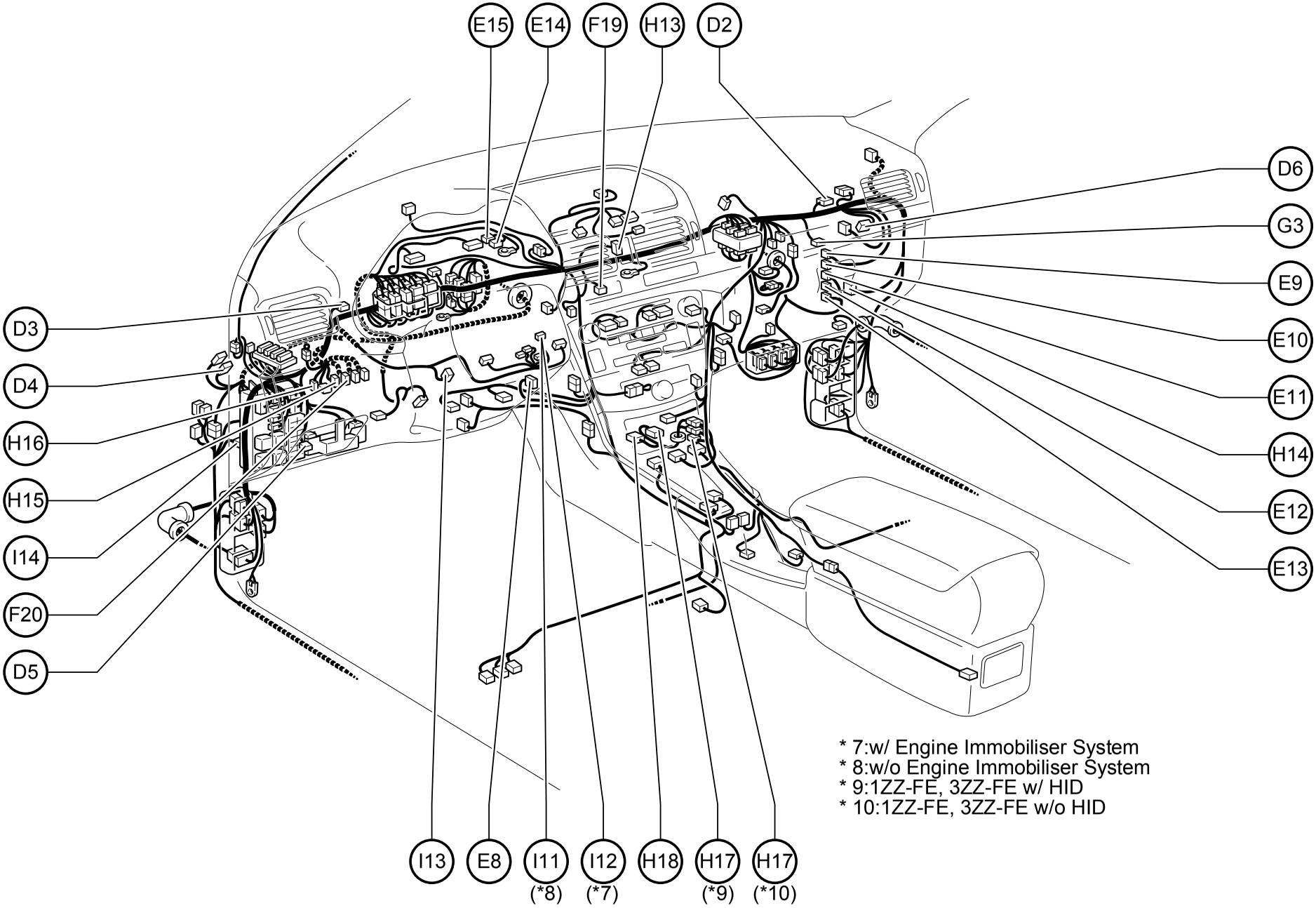
E15
E14
F19
H13
D2
D6
G3
E9
E10
E11
H14
E12
E13
D3
D4
H16
H15
I14
F20
D5
I13
E8
I11
(*8)
I12
(*7)
H18
H17
(*9)
H17
(*10)
* 7:w/ Engine Immobiliser System
* 8:w/o Engine Immobiliser System
* 9:1ZZ-FE, 3ZZ-FE w/ HID
* 10:1ZZ-FE, 3ZZ-FE w/o HID

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D 2 Diode
D 3 Diode
D 4 Diode (Fan) (Except 1CD-FTV)
D 4 Diode (Fan) (1CD-FTV)
D 5 DLC3
D 6 Door Control Receiver

E 8 ECT Pattern Select SW
E 9 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 10 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 11 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 12 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 13 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 14 EPS ECU
E 15 EPS ECU

F 19 Front Passenger's Seat Belt Warning Light , Rear Window Defogger SW , Security Indicator Light
F 20 Front Wiper Deicer SW

G 3 Glove Box Light

H 13 Hazard SW
H 14 Headlight Beam Level Control ECU
H 15 Headlight Beam Level Control SW
H 16 Headlight Cleaner SW
H 17 Heated Oxygen Sensor (Bank 1 Sensor 2) (w/o HID)
H 17 Heated Oxygen Sensor (Bank 1 Sensor 2) (w/ HID)
H 18 Height Control Sensor (Front)

I 11 Ignition Key Cylinder Light
I 12 Ignition Key Cylinder Light , Transponder Key Amplifier
I 13 Ignition SW
I 14 Integration Relay

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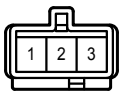
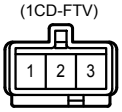
D 2



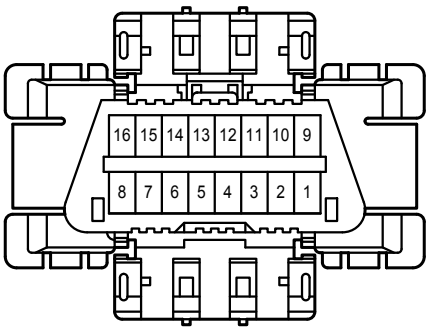
D 3
Black

D 4
(Except 1CD-FTV)

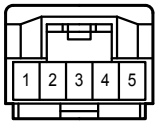
D 4
(1CD-FTV)



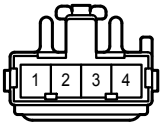
D 5



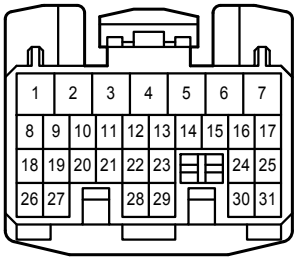
D 6



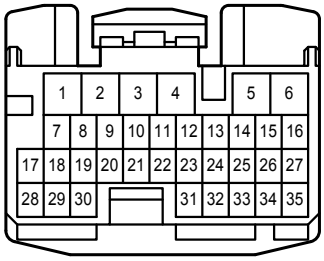
E 8
Black



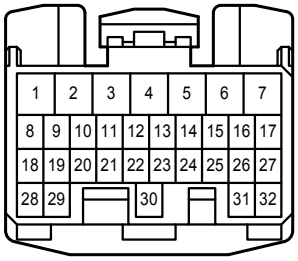
E 9



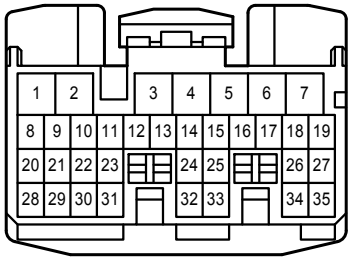
E 10



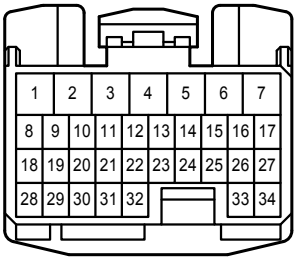
E 11



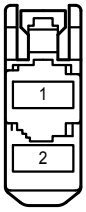
E 12



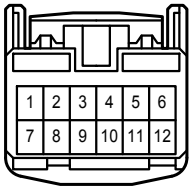
E 13



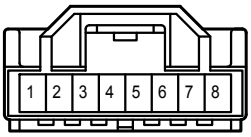
E 14
Gray



E 15



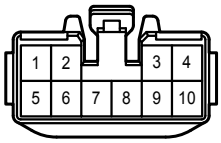
F 19



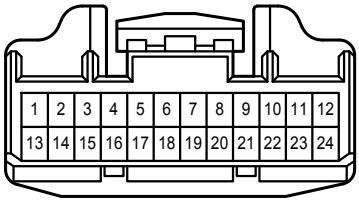
F 20
Black

G 3
Black

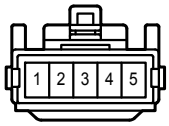
H 13
Black



H 14

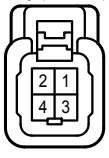


H 15



H 16
Black

H 17
Gray (w/o HID)



H 17
Gray (w/ HID)

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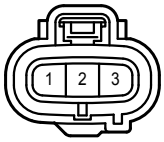
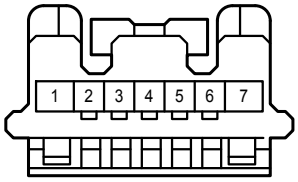
H 18

Black



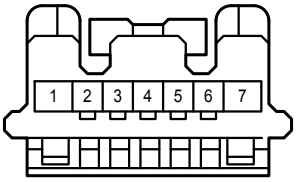
I 11

Black

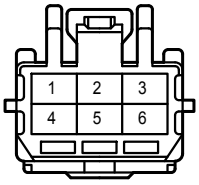


I 12

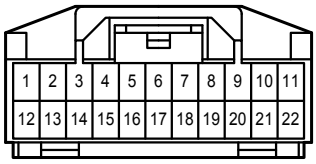
Black



I 13



I 14



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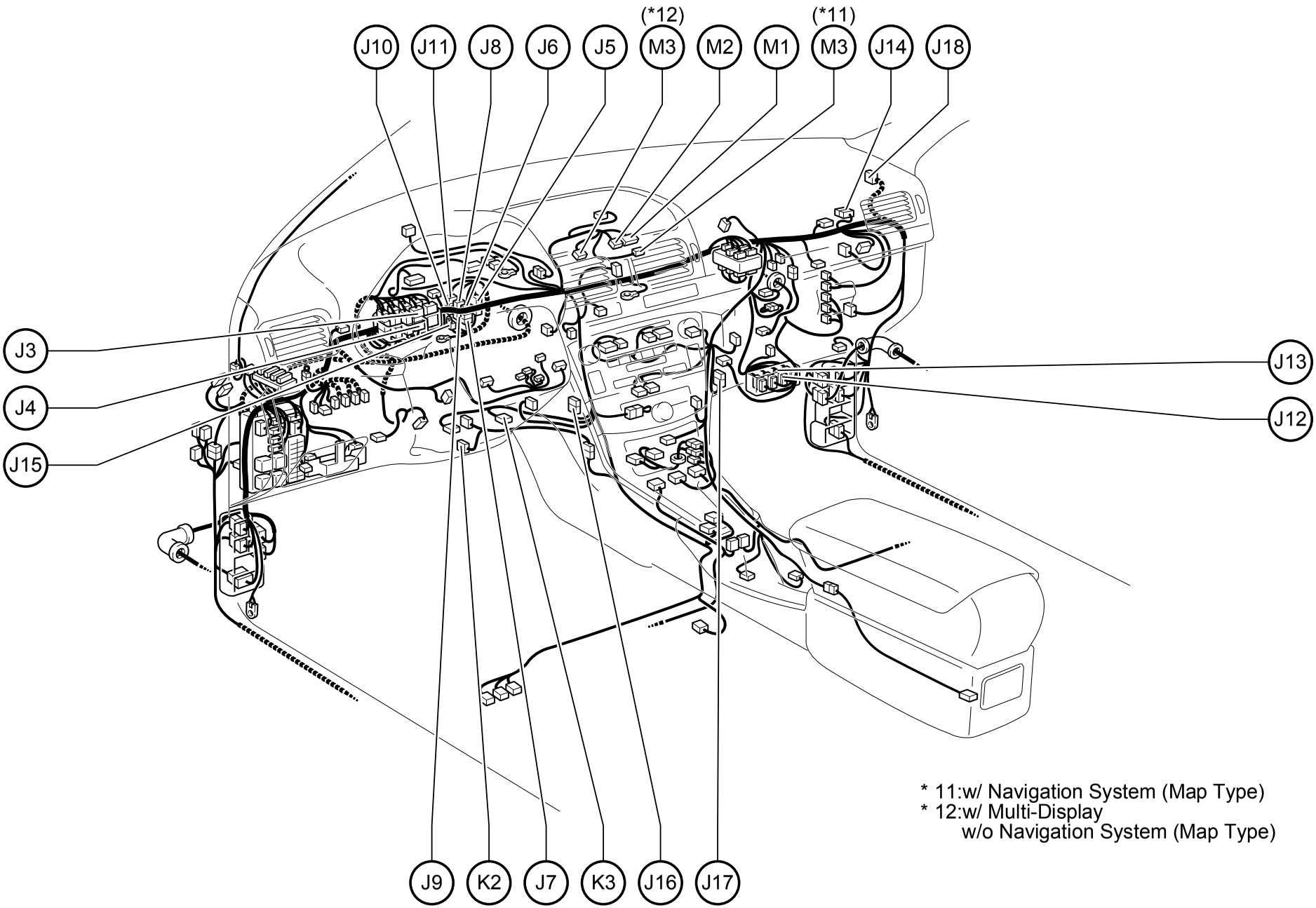

* 11:w/ Navigation System (Map Type)
* 12:w/ Multi-Display
w/o Navigation System (Map Type)

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J 3 Junction Connector
J 4 Junction Connector
J 5 Junction Connector
J 6 Junction Connector
J 7 Junction Connector
J 8 Junction Connector
J 9 Junction Connector
J 10 Junction Connector
J 11 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 14 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector
J 18 Junction Connector

K 2 Kick Down SW
K 3 Knee Airbag Squib

M 1 Multi-Display (w/o Navigation System (Map Type))
M 1 Multi-Display (w/ Navigation System (Map Type))
M 2 Multi-Display (w/o Navigation System (Map Type))
M 2 Multi-Display (w/ Navigation System (Map Type))
M 3 Multi-Display

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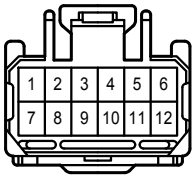
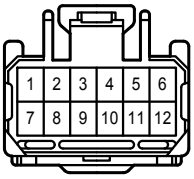
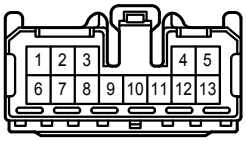
J 3



J 4



J 5



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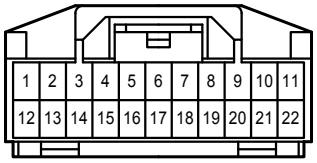
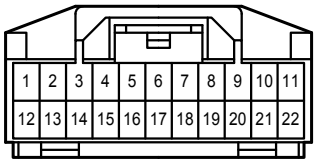
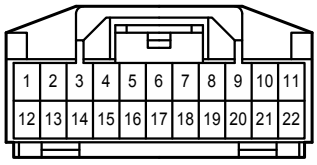


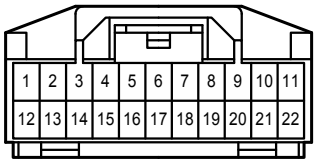
J 7



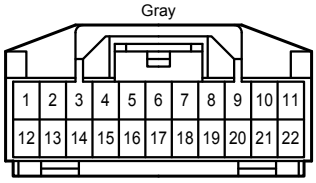
J 8
Black



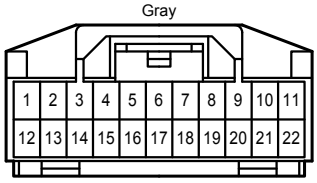
J 9
Black



J 10
Gray



J 11
Gray



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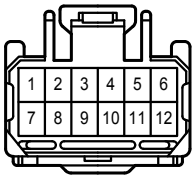
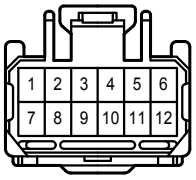
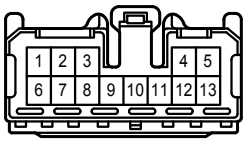


J 13



J 14



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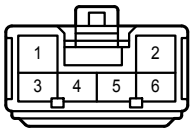
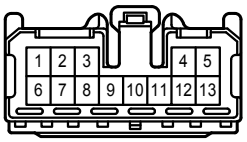
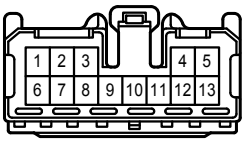


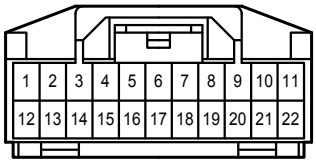
J 16



J 17



J 18



K 2
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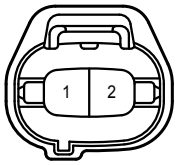
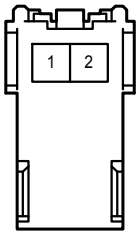
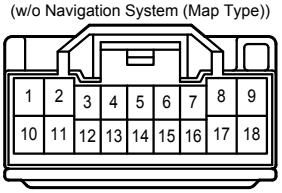


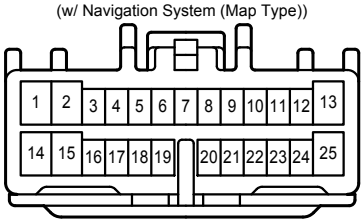
K 3
Yellow



M 1
(w/o Navigation System (Map Type))



M 1
(w/ Navigation System (Map Type))



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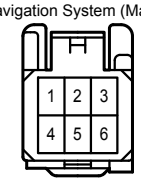
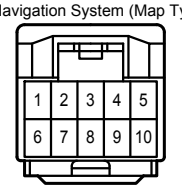
(w/o Navigation System (Map Type))

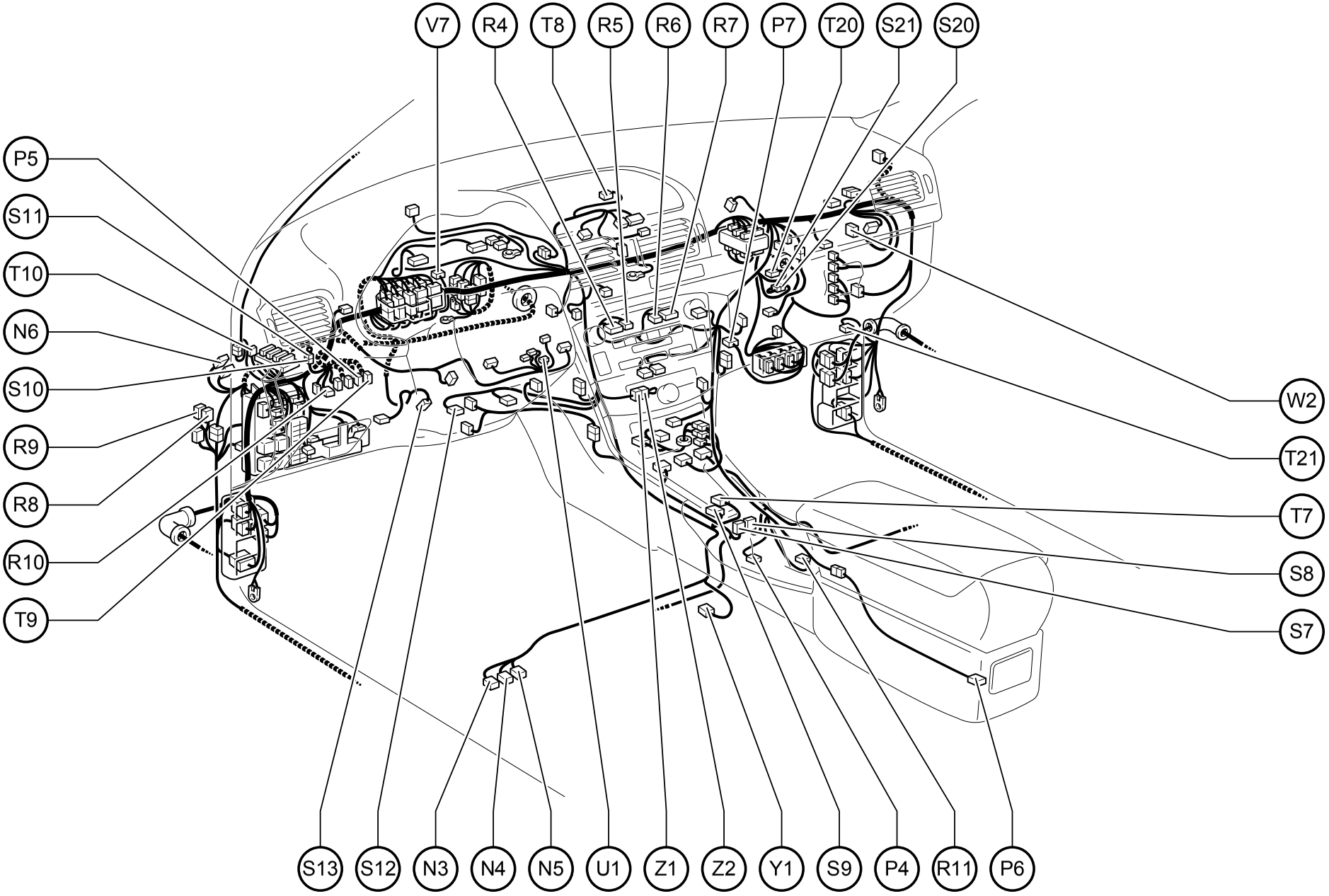


M 2
(w/ Navigation System (Map Type))



M 3

http://vnx.su


V7
R4
T8
R5
R6
R7
P7
T20
S21
S20
P5
S11
T10
N6
S10
R9
R8
R10
T9
W2
T21
T7
S8
S7
S13
S12
N3
N4
N5
U1
Z1
Z2
Y1
S9
P4
R11
P6

http://vnx.su

N 3 Navigation ECU
N 4 Navigation ECU
N 5 Navigation ECU
N 6 Noise Filter (Rear Window Defogger No.1)

P 4 Parking Brake SW
P 5 Power Heater SW (Power Heater (Combustion Type))
P 5 Power Heater SW (Power Heater (Hot Gas Type))
P 6 Power Outlet
P 7 PTC Heater

R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Rear Fog Light Relay
R 9 Rear Window Defogger Relay
R 10 Remote Control Mirror SW
R 11 Remote Controller (Navigation)

S 7 Seat Heater SW
S 8 Seat Heater SW
S 9 Shift Lock Control ECU
S 10 Short Connector
S 11 Short Connector
S 12 Steering Sensor
S 13 Stop Light SW (LHD 1AZ-FE)
S 13 Stop Light SW (Except LHD 1AZ-FE)
S 20 Short Connector
S 21 Short Connector

T 7 Transmission Control SW
T 8 Transponder Key Computer
T 9 TRC Off SW
T 10 Turn Signal Flasher Relay
T 20 Tire Pressure Monitor ECU
T 21 Tire Pressure Warning SW

U 1 Unlock Warning SW

V 7 VSC Warning Buzzer

W 2 Wiper Relay

Y 1 Yaw Rate Sensor

Z 1 Option Connector (Navigation ECU)
Z 2 Option Connector (Navigation ECU)

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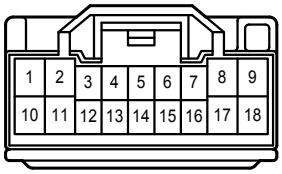
N 3



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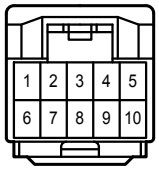
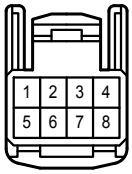
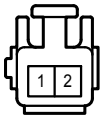


N 5



N 6



P 4

Black

P 5

Gray (Power Heater (Combustion Type))

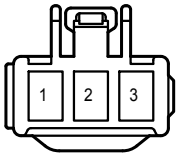
P 5

(Power Heater (Hot Gas Type))

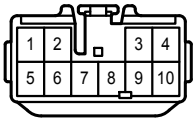
P 6

Black

P 7



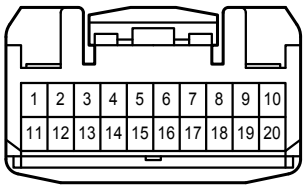
R 4



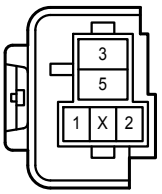
R 5

R 6

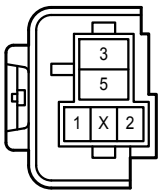
R 7



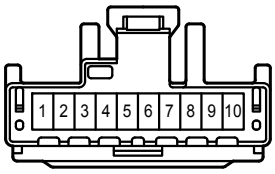
R 8



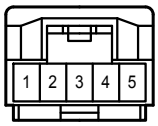
R 9



R 10

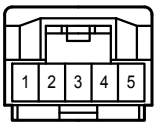


R 11



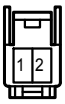
S 7

Black



S 8

Black



S 9

S 10

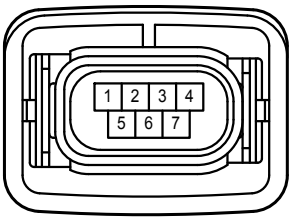
Black

S 11

Black

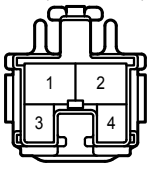
S 12

Black



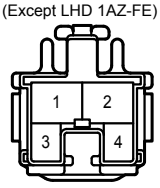
S 13

Black (LHD 1AZ-FE)

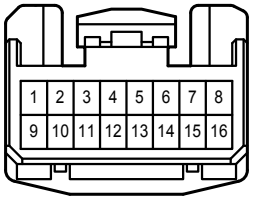


S 13

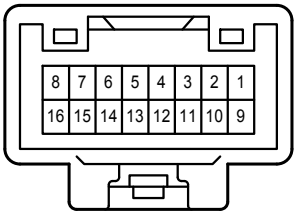
(Except LHD 1AZ-FE)



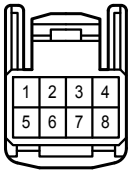
S 20



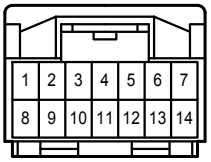
S 21



T 7

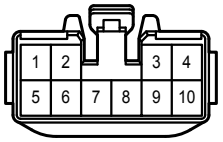


T 8

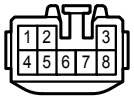


http://vnx.su

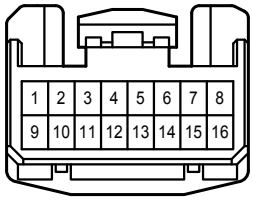
T 9
Black



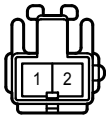
T 10
Black



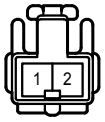
T 20



T 21

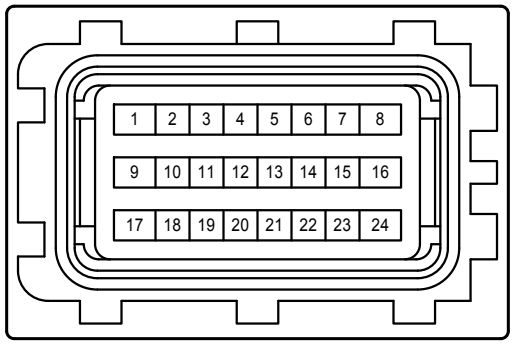


U 1
Black

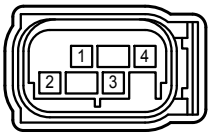


V 7
Black

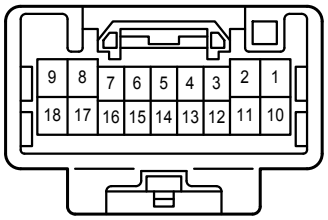
W 2
Black



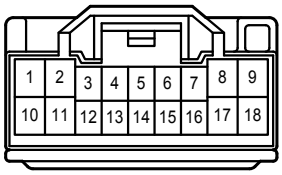
Y 1
Black



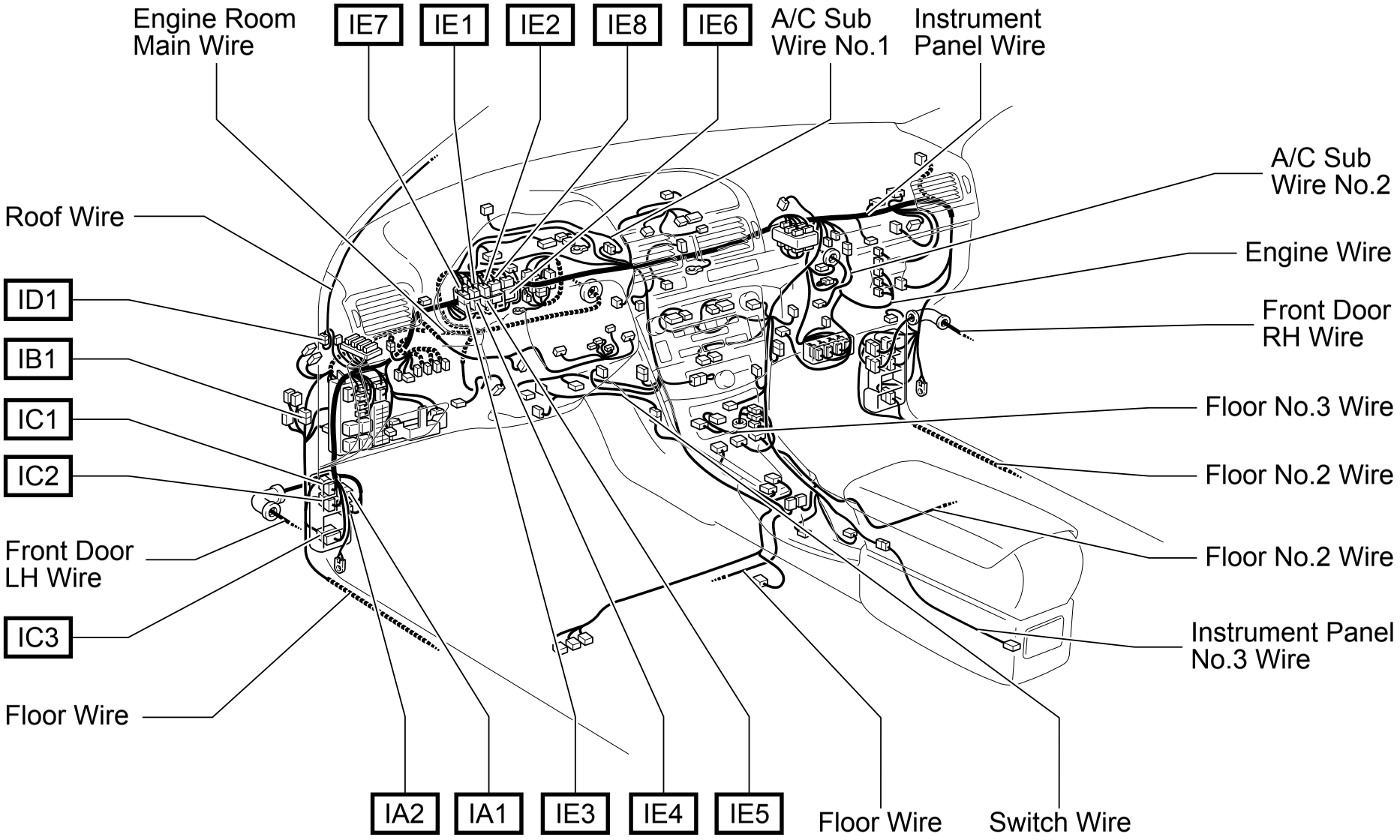
Z 1



Z 2



http://vnx.su


Engine Room Main Wire
IE7
IE1
IE2
IE8
IE6
A/C Sub Wire No.1
Instrument Panel Wire
A/C Sub Wire No.2
Engine Wire
Front Door RH Wire
Floor No.3 Wire
Floor No.2 Wire
Floor No.2 Wire
Instrument Panel No.3 Wire
Roof Wire
ID1
IB1
IC1
IC2
Front Door LH Wire
IC3
Floor Wire
IA2
IA1
IE3
IE4
IE5
Floor Wire
Switch Wire

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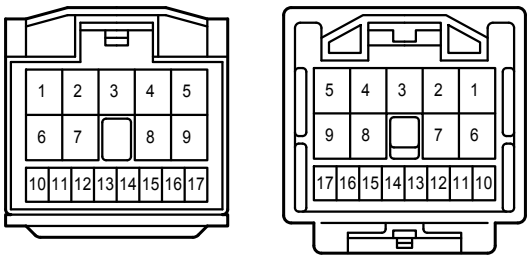
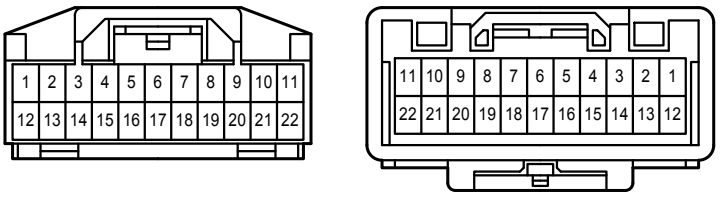
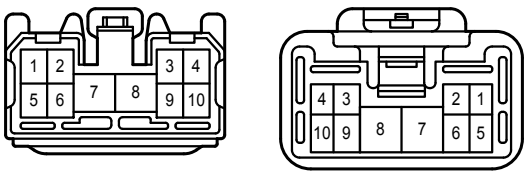
IA1



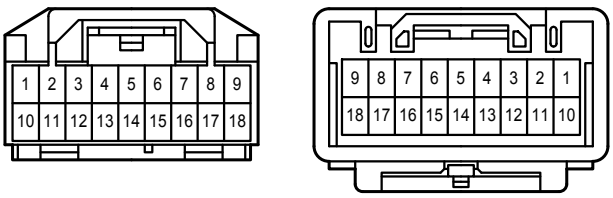
IA2



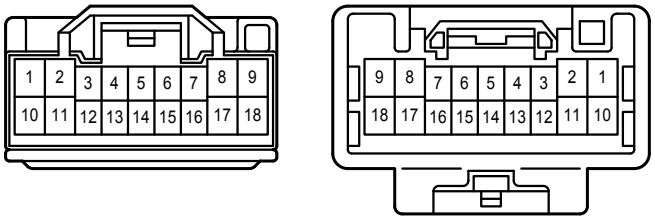
IB1



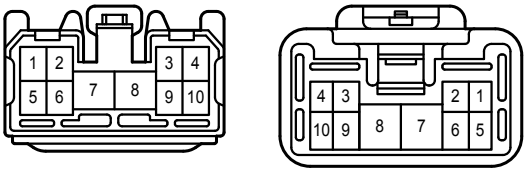
IC1



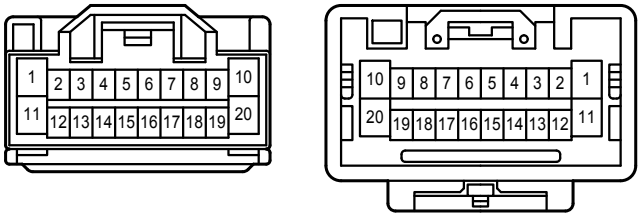
IC2



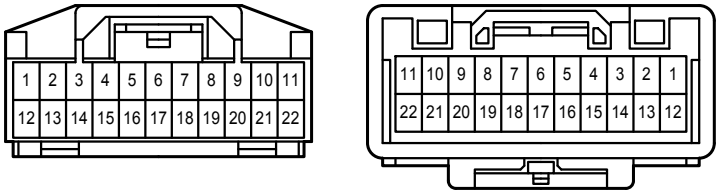
IC3



ID1



IE1



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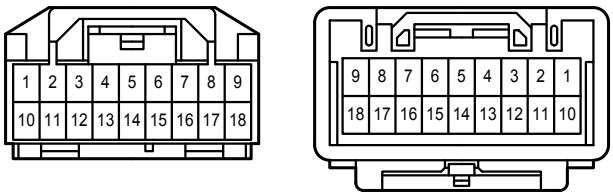
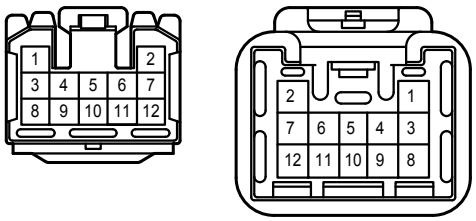
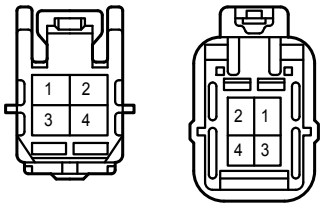
IE2



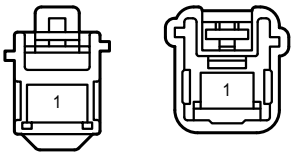
IE3



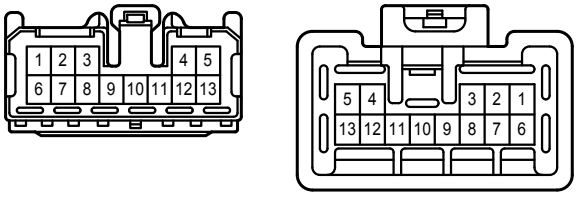
IE4



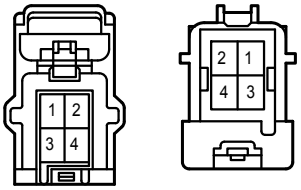
IE5



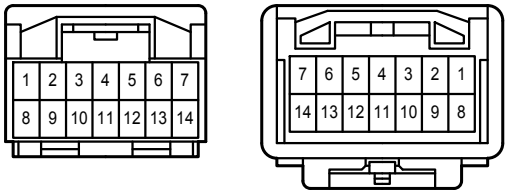
IE6



IE7
Yellow



IE8



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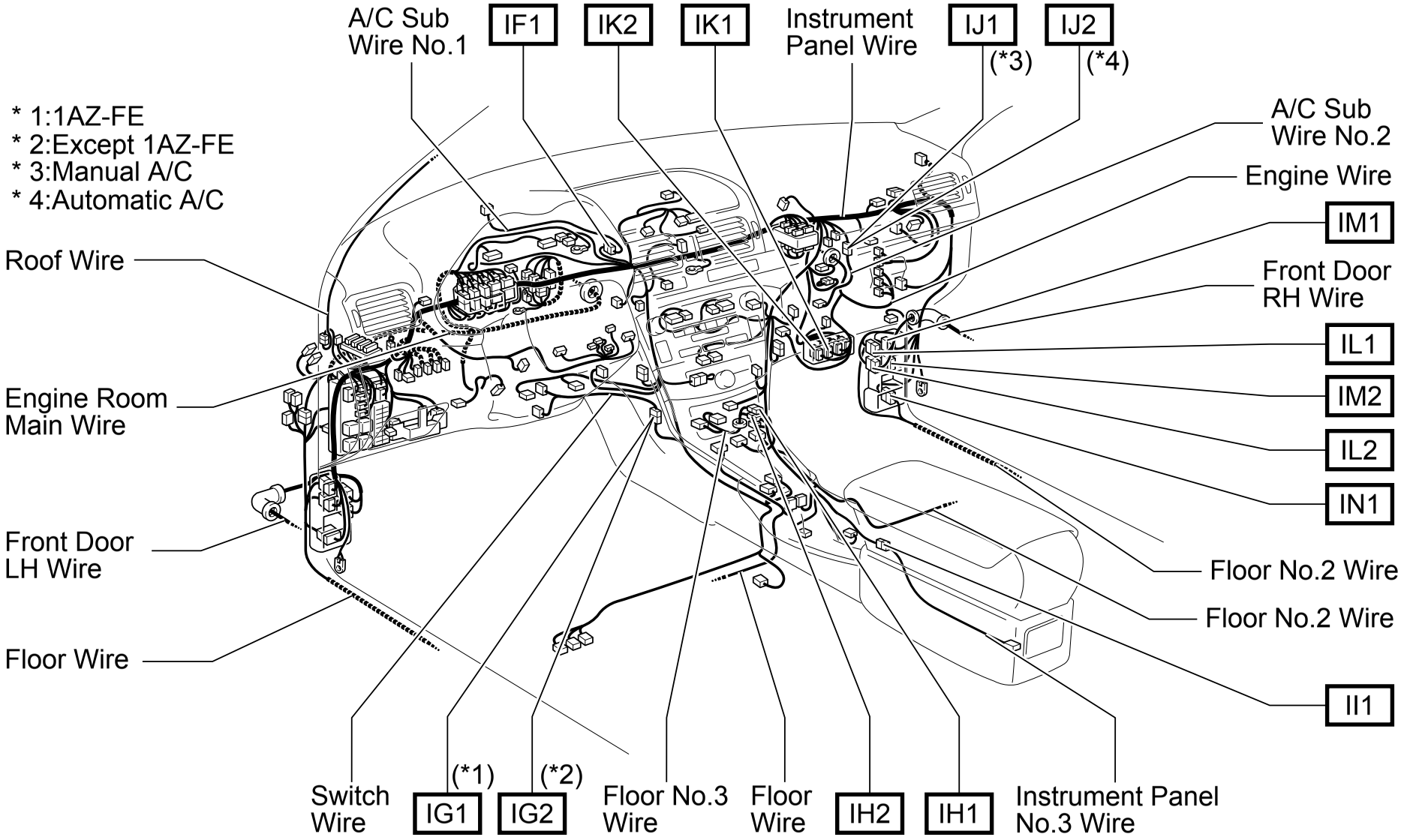
* 1:1AZ-FE
* 2:Except 1AZ-FE
* 3:Manual A/C
* 4:Automatic A/C
A/C Sub Wire No.1
IF1
IK2
IK1
Instrument Panel Wire
IJ1
(*3)
IJ2
(*4)
A/C Sub Wire No.2
Engine Wire
IM1
Front Door RH Wire
IL1
IM2
IL2
IN1
Roof Wire
Engine Room Main Wire
Front Door LH Wire
Floor Wire
Floor No.2 Wire
Floor No.2 Wire
II1
Switch Wire
(*1)
IG1
(*2)
IG2
Floor No.3 Wire
Floor Wire
IH2
IH1
Instrument Panel No.3 Wire

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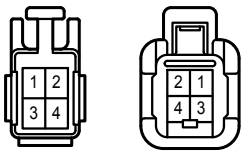
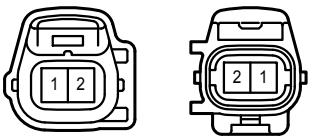
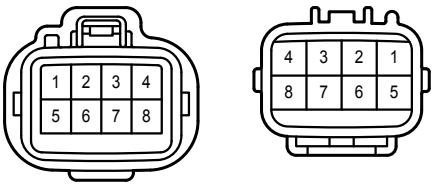
IF1
Black



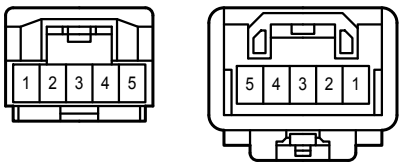
IG1
Black



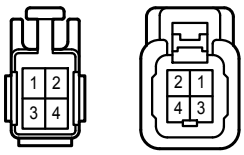
IG2
Black



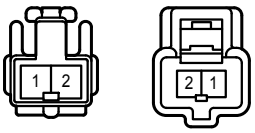
IH1



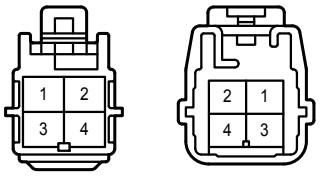
IH2
Gray



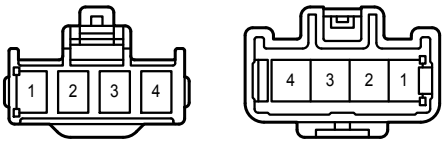
II1



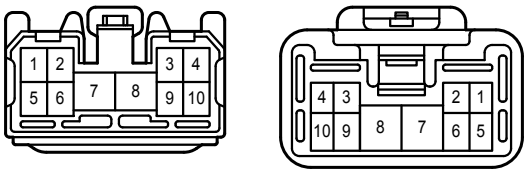
IJ1
Black



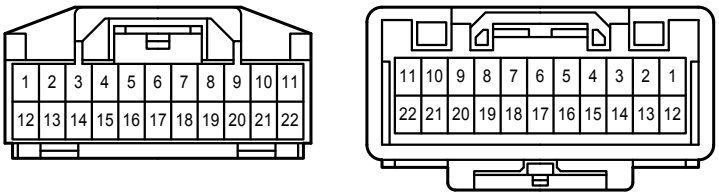
IJ2
Black



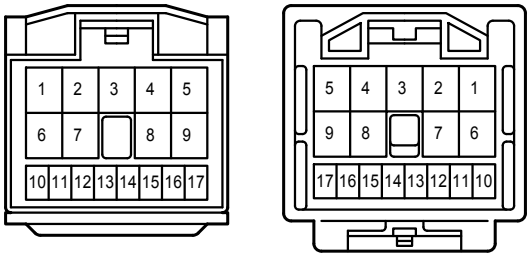
IK1



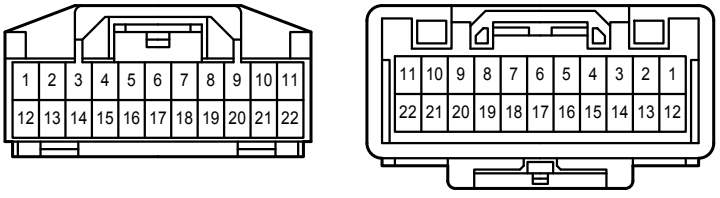
IK2



IL1



IL2



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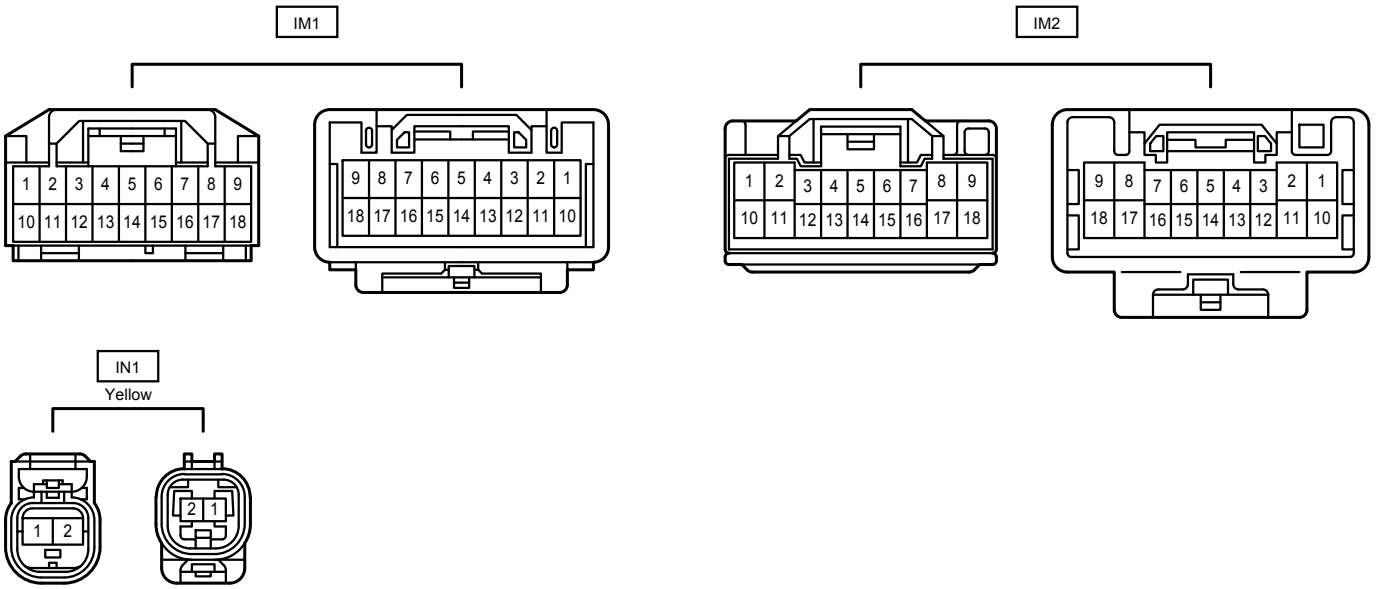
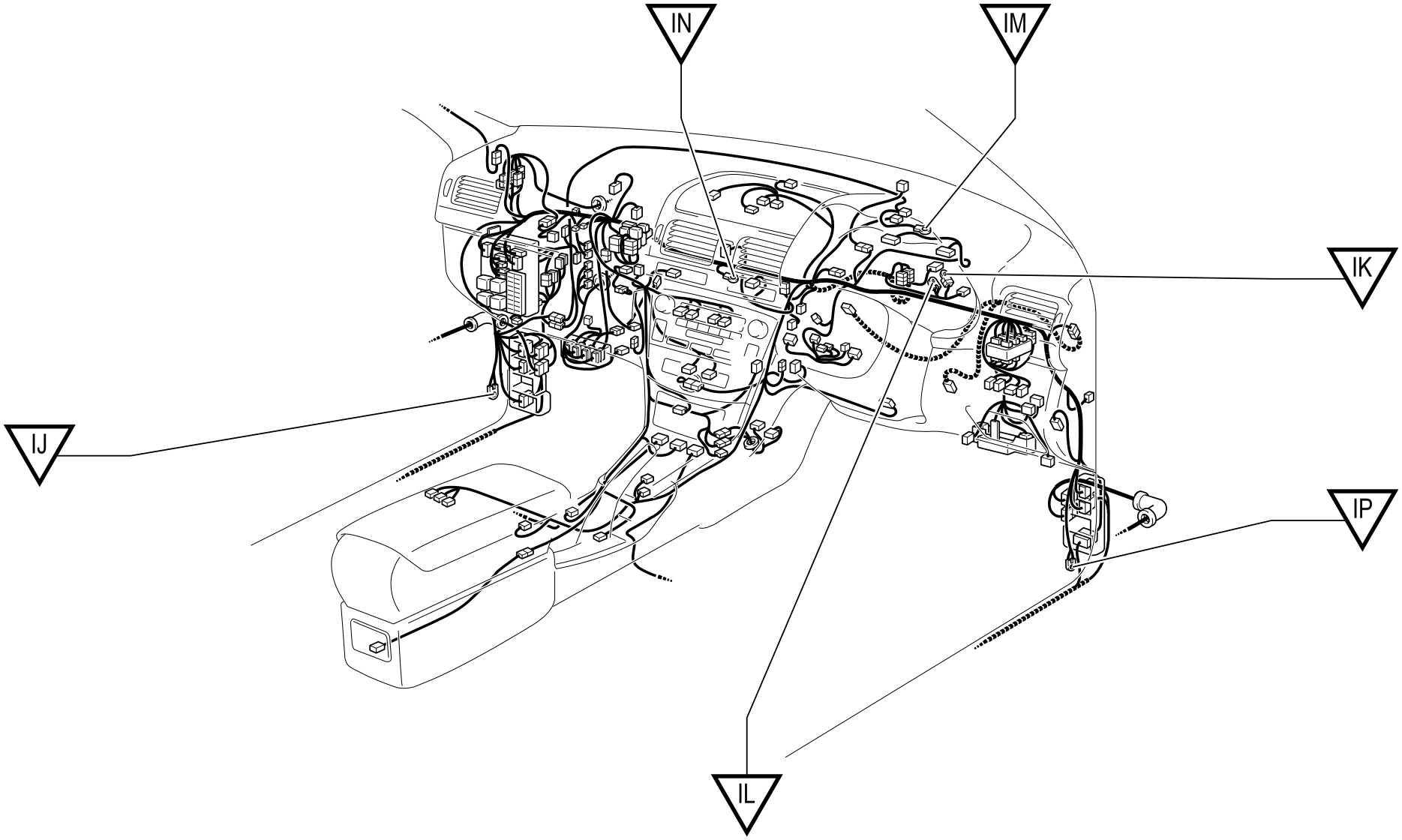
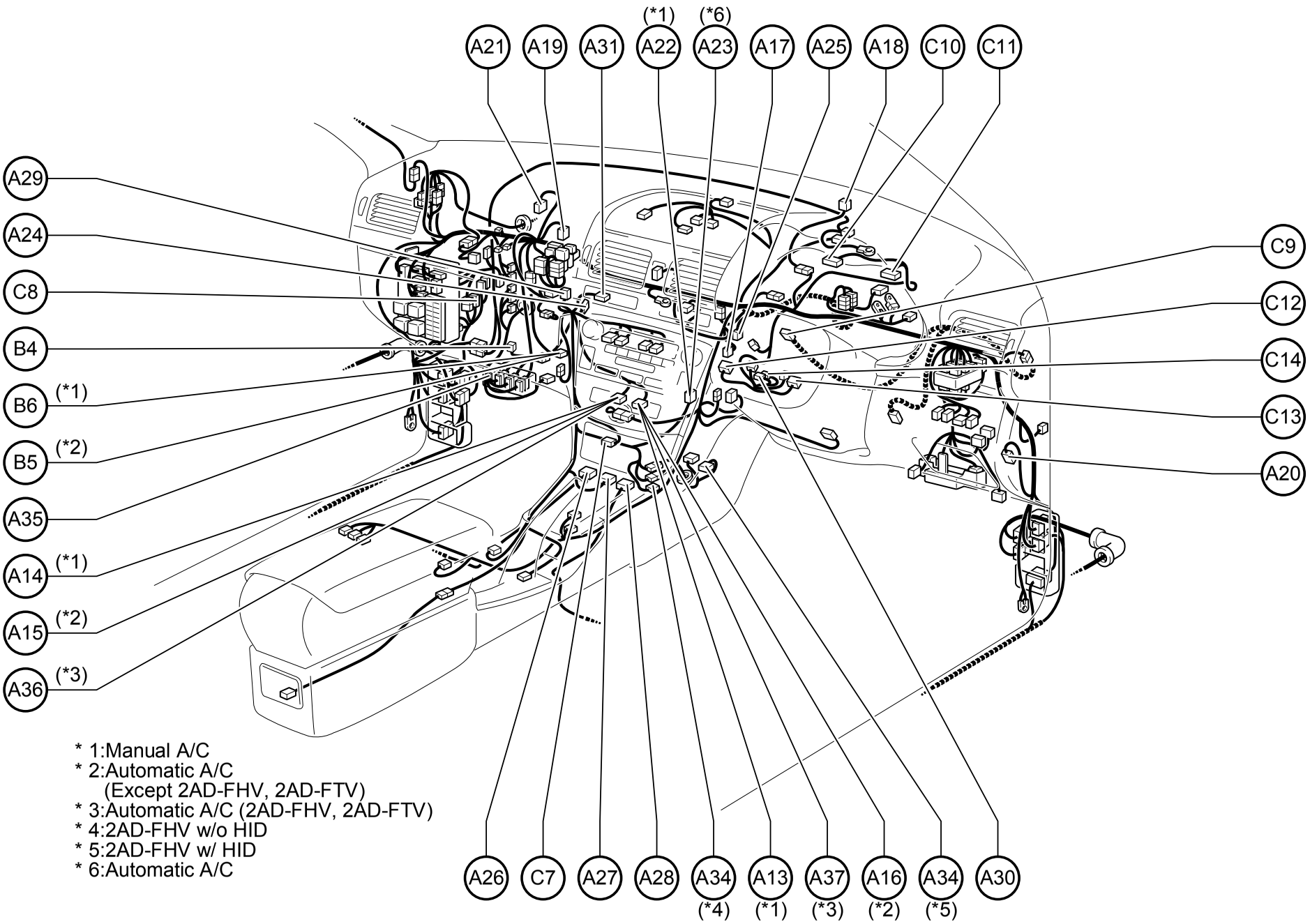

IM1
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10
IM2
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10
IN1
Yellow
1 2
2 1

http://vnx.su



http://vnx.su


(*1)
(*6)
A21
A19
A31
A22
A23
A17
A25
A18
C10
C11
A29
A24
C8
B4
B6
(*1)
B5
(*2)
A35
A14
(*1)
A15
(*2)
A36
(*3)
C9
C12
C14
C13
A20
A26
C7
A27
A28
A34
(*4)
A13
(*1)
A37
(*3)
A16
(*2)
A34
(*5)
A30
* 1:Manual A/C
* 2:Automatic A/C
(Except 2AD-FHV, 2AD-FTV)
* 3:Automatic A/C (2AD-FHV, 2AD-FTV)
* 4:2AD-FHV w/o HID
* 5:2AD-FHV w/ HID
* 6:Automatic A/C

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A 13 A/C Control Assembly
A 14 A/C Control Assembly
A 15 A/C Control Assembly
A 16 A/C Control Assembly
A 17 A/C Room Temp. Sensor
A 18 A/C Solar Sensor
A 19 A/C Thermistor
A 20 Accel Position Sensor
A 21 Air Inlet Control Servo Motor
A 22 Air Mix Control Servo Motor
A 23 Air Mix Control Servo Motor (Driver Side)
A 24 Air Mix Control Servo Motor (Front Passenger Side)
A 25 Air Vent Mode Control Servo Motor
A 26 Airbag Sensor Assembly
A 27 Airbag Sensor Assembly
A 28 Airbag Sensor Assembly
A 29 Airbag Squib (Front Passenger Airbag Assembly)
A 30 Airbag Squib (Steering Wheel Pad)
A 31 Antenna Amplifier
A 34 Air Fuel Ratio Sensor
A 35 Air Fuel Ratio Sensor Relay
A 36 A/C Control Assembly

B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter , Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C 10 Combination Meter
C 11 Combination Meter
C 12 Combination SW
C 13 Combination SW
C 14 Combination SW

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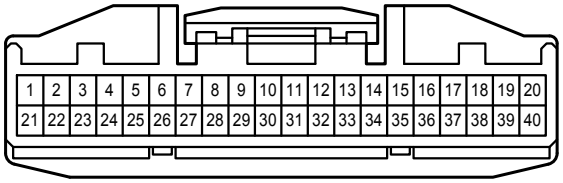
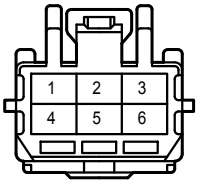
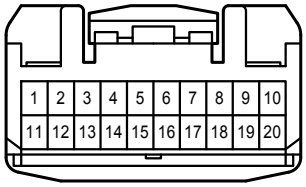
A 13



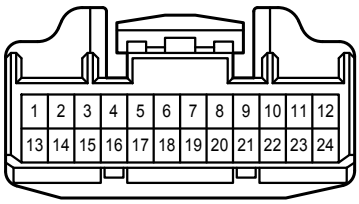
A 14



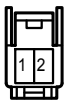
A 15



A 16

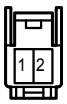


A 17
Black



A 18
Black

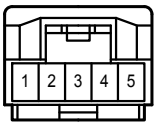
A 19



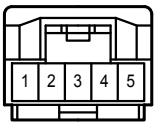
A 20
Black

A 21
Black

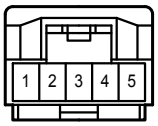
A 22
Black



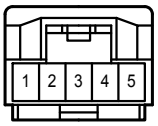
A 23
Black



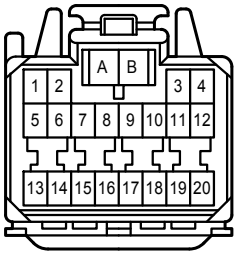
A 24
Black



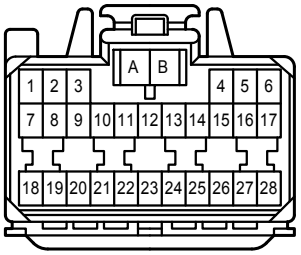
A 25
Black



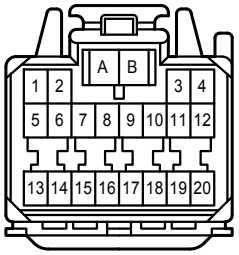
A 26
Yellow



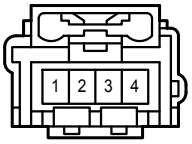
A 27
Yellow



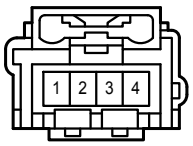
A 28
Yellow



A 29
Yellow



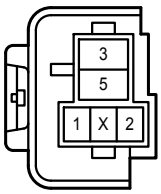
A 30
Yellow



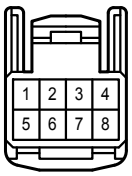
A 31

A 34
Gray

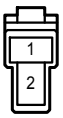
A 35



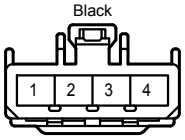
A 36



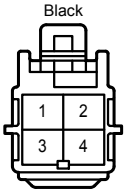
B 4



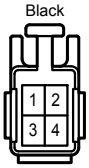
B 5
Black



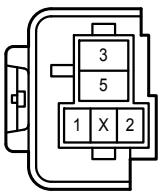
B 6
Black



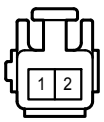
C 7
Black



C 8



C 9



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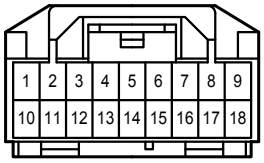
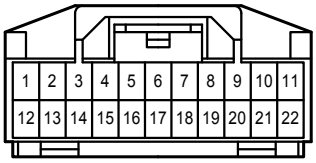
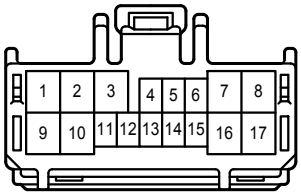
C 10
Blue



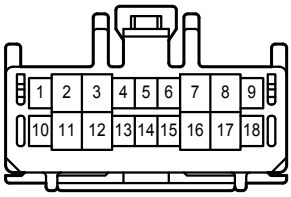
C 11



C 12



C 13
Black



C 14

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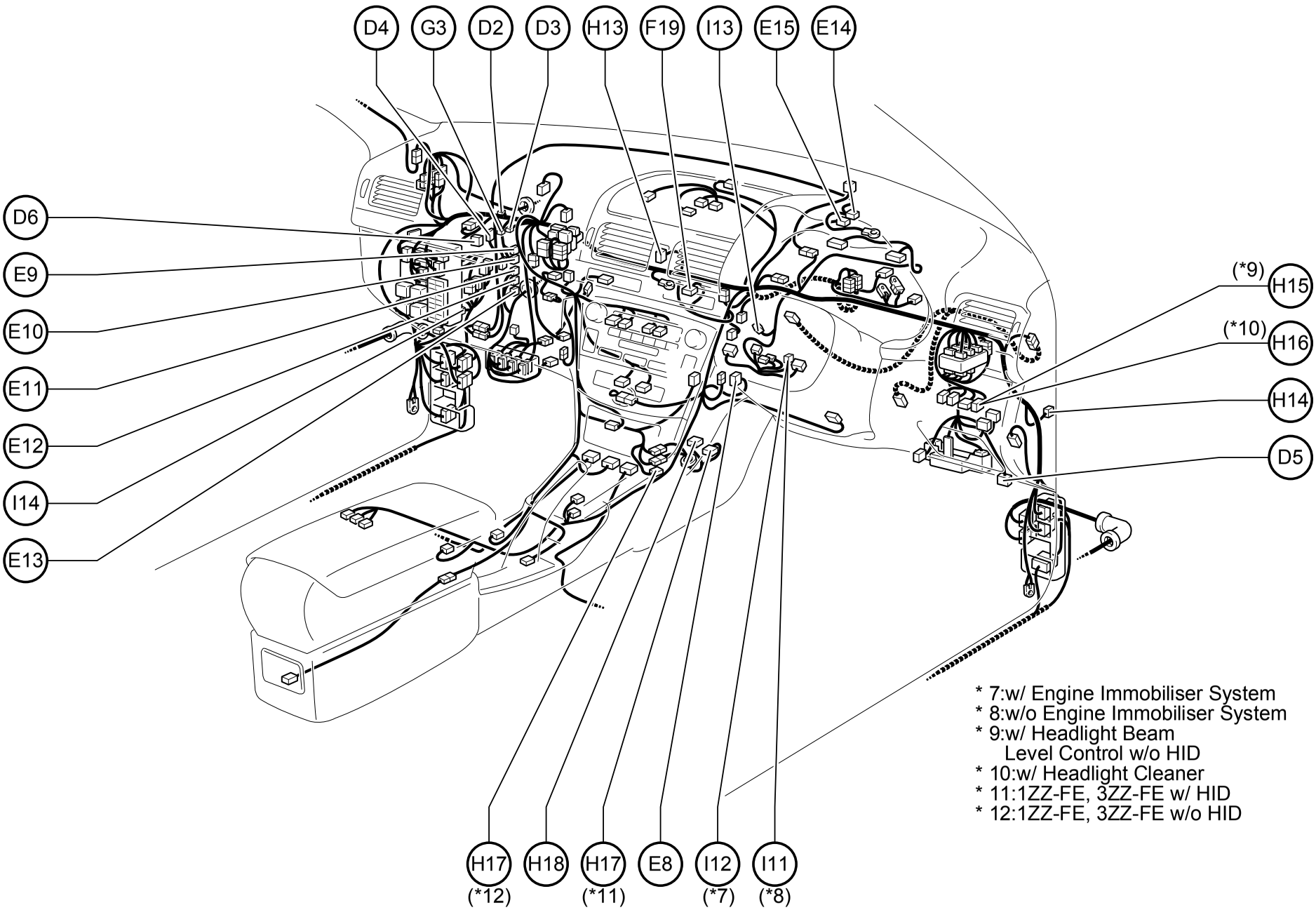
D4
G3
D2
D3
H13
F19
I13
E15
E14
D6
E9
E10
E11
E12
I14
E13
(*9)
H15
(*10)
H16
H14
D5
H17
(*12)
H18
H17
(*11)
E8
I12
(*7)
I11
(*8)
* 7:w/ Engine Immobiliser System
* 8:w/o Engine Immobiliser System
* 9:w/ Headlight Beam
Level Control w/o HID
* 10:w/ Headlight Cleaner
* 11:1ZZ-FE, 3ZZ-FE w/ HID
* 12:1ZZ-FE, 3ZZ-FE w/o HID

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D 2 Diode
D 3 Diode
D 4 Diode (Fan) (Except 1CD-FTV)
D 4 Diode (Fan) (1CD-FTV)
D 5 DLC3
D 6 Door Control Receiver

E 8 ECT Pattern Select SW
E 9 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 10 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 11 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 12 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 13 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 14 EPS ECU
E 15 EPS ECU

F 19 Front Passenger's Seat Belt Warning Light , Rear Window Defogger SW , Security Indicator Light

G 3 Glove Box Light

H 13 Hazard SW
H 14 Headlight Beam Level Control ECU
H 15 Headlight Beam Level Control SW
H 16 Headlight Cleaner SW
H 17 Heated Oxygen Sensor (Bank 1 Sensor 2) (w/o HID)
H 17 Heated Oxygen Sensor (Bank 1 Sensor 2) (w/ HID)
H 18 Height Control Sensor (Front)

I 11 Ignition Key Cylinder Light
I 12 Ignition Key Cylinder Light , Transponder Key Amplifier
I 13 Ignition SW
I 14 Integration Relay

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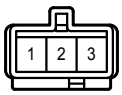
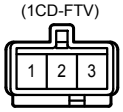
D 2



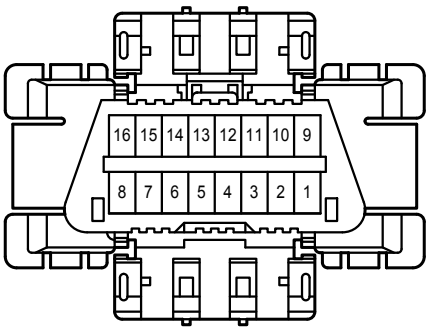
D 3
Black

D 4
(Except 1CD-FTV)

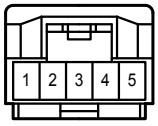
D 4
(1CD-FTV)



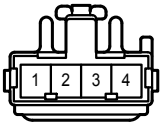
D 5



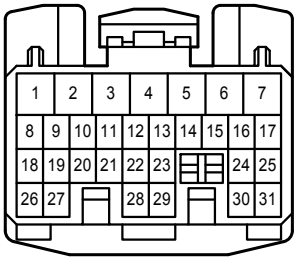
D 6



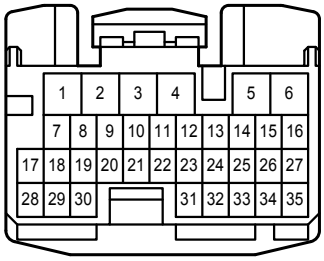
E 8
Black



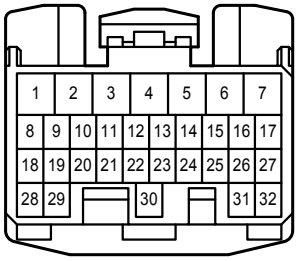
E 9



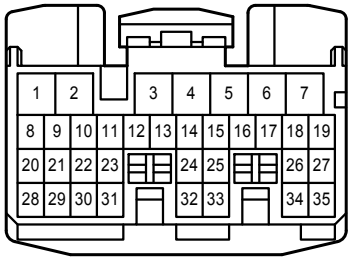
E 10



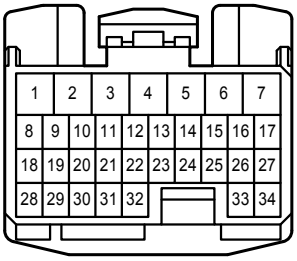
E 11



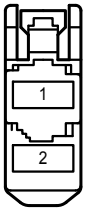
E 12



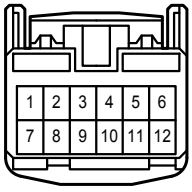
E 13



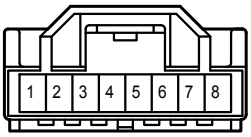
E 14
Gray



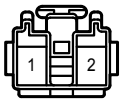
E 15



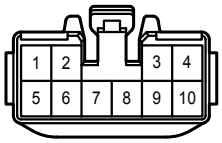
F 19



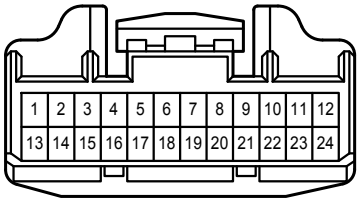
G 3
Black



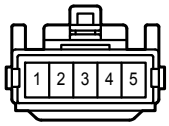
H 13
Black



H 14

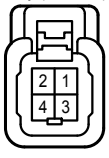


H 15



H 16
Black

H 17
Gray (w/o HID)



H 17
Gray (w/ HID)

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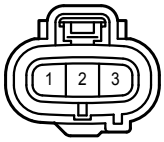
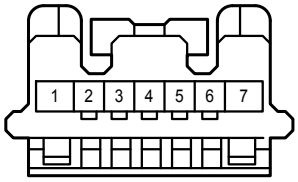
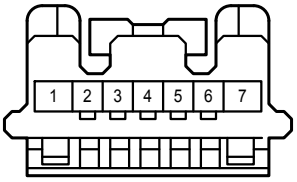
H 18
Black



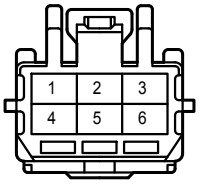
I 11
Black



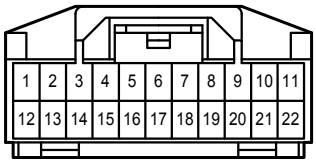
I 12
Black



I 13



I 14



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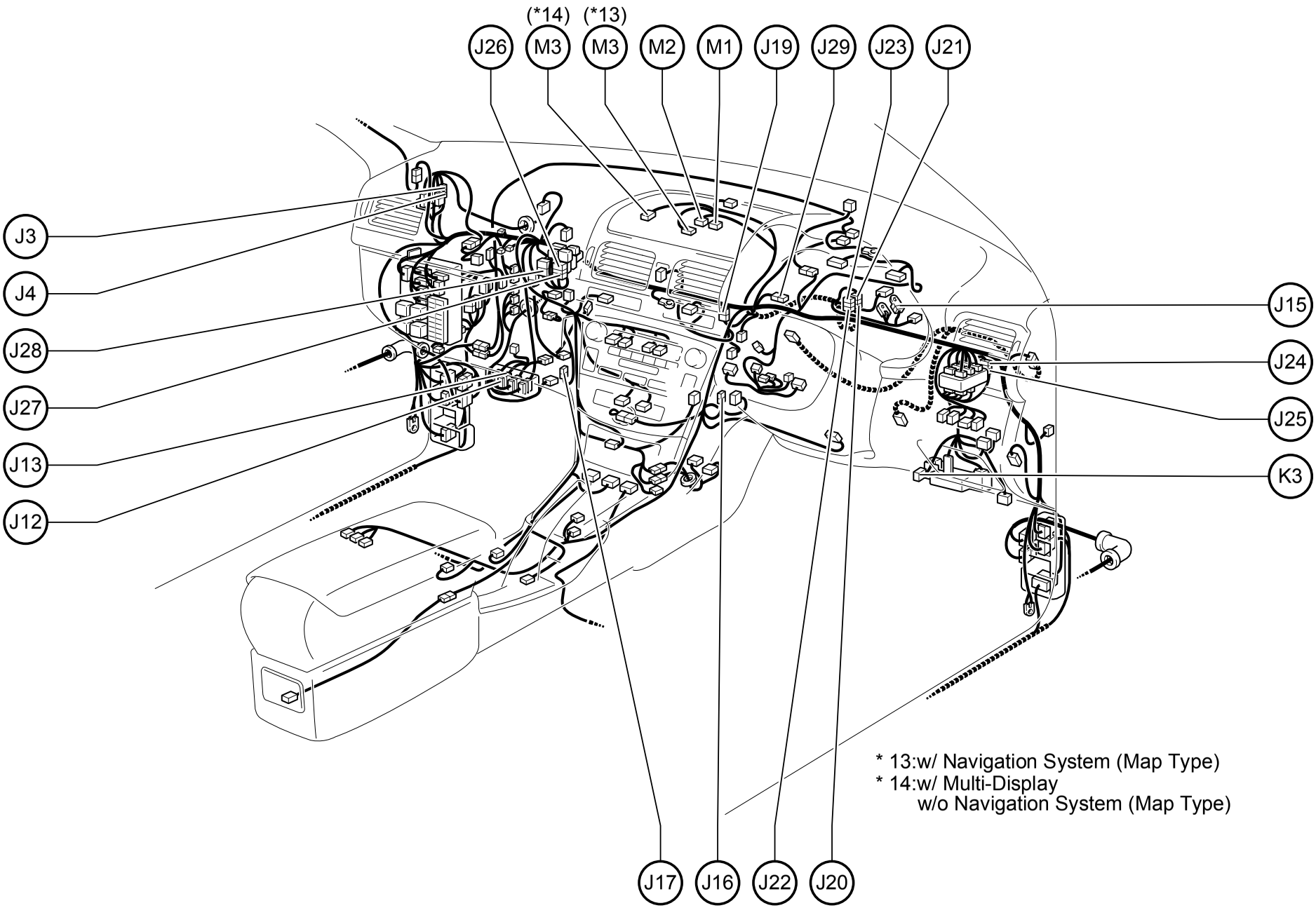
(*14)
(*13)
J26
M3
M3
M2
M1
J19
J29
J23
J21
J3
J4
J28
J27
J13
J12
J15
J24
J25
K3
J17
J16
J22
J20
* 13:w/ Navigation System (Map Type)
* 14:w/ Multi-Display
w/o Navigation System (Map Type)

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J 3 Junction Connector
J 4 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector
J 19 Junction Connector
J 20 Junction Connector
J 21 Junction Connector
J 22 Junction Connector
J 23 Junction Connector
J 24 Junction Connector
J 25 Junction Connector
J 26 Junction Connector
J 27 Junction Connector
J 28 Junction Connector
J 29 Junction Connector

K 3 Knee Airbag Squib

M 1 Multi-Display (w/o Navigation System (Map Type))
M 1 Multi-Display (w/ Navigation System (Map Type))
M 2 Multi-Display (w/o Navigation System (Map Type))
M 2 Multi-Display (w/ Navigation System (Map Type))
M 3 Multi-Display

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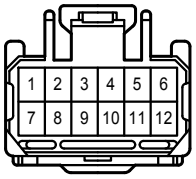
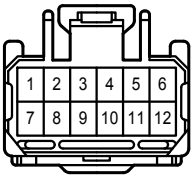
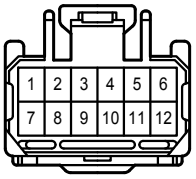
J 3



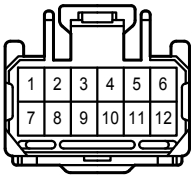
J 4



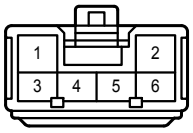
J 12



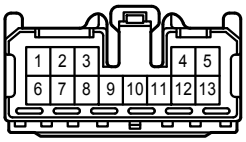
J 13



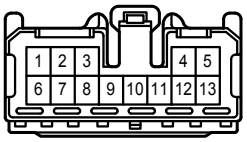
J 15



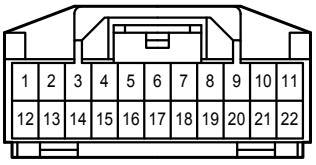
J 16



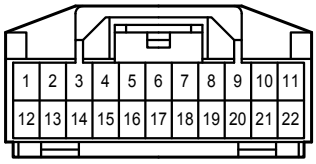
J 17



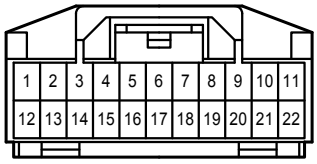
J 19



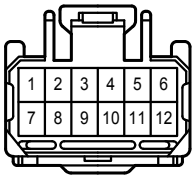
J 20



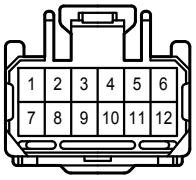
J 21



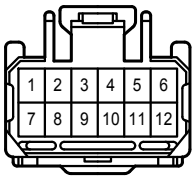
J 22



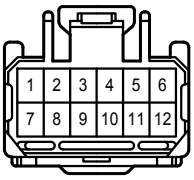
J 23



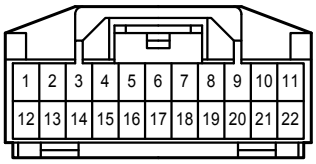
J 24



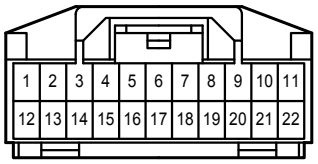
J 25



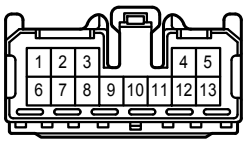
J 26



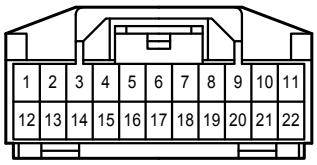
J 27



J 28

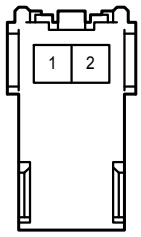


J 29



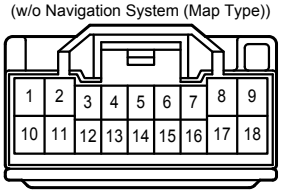
K 3

Yellow



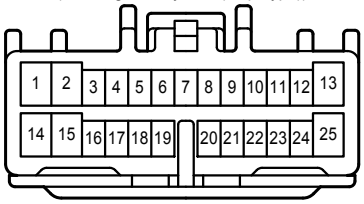
M 1

(w/o Navigation System (Map Type))



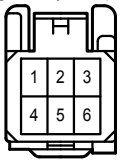
M 1

(w/ Navigation System (Map Type))



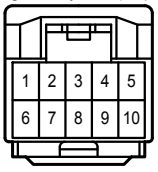
M 2

(w/o Navigation System (Map Type))



M 2

(w/ Navigation System (Map Type))



M 3

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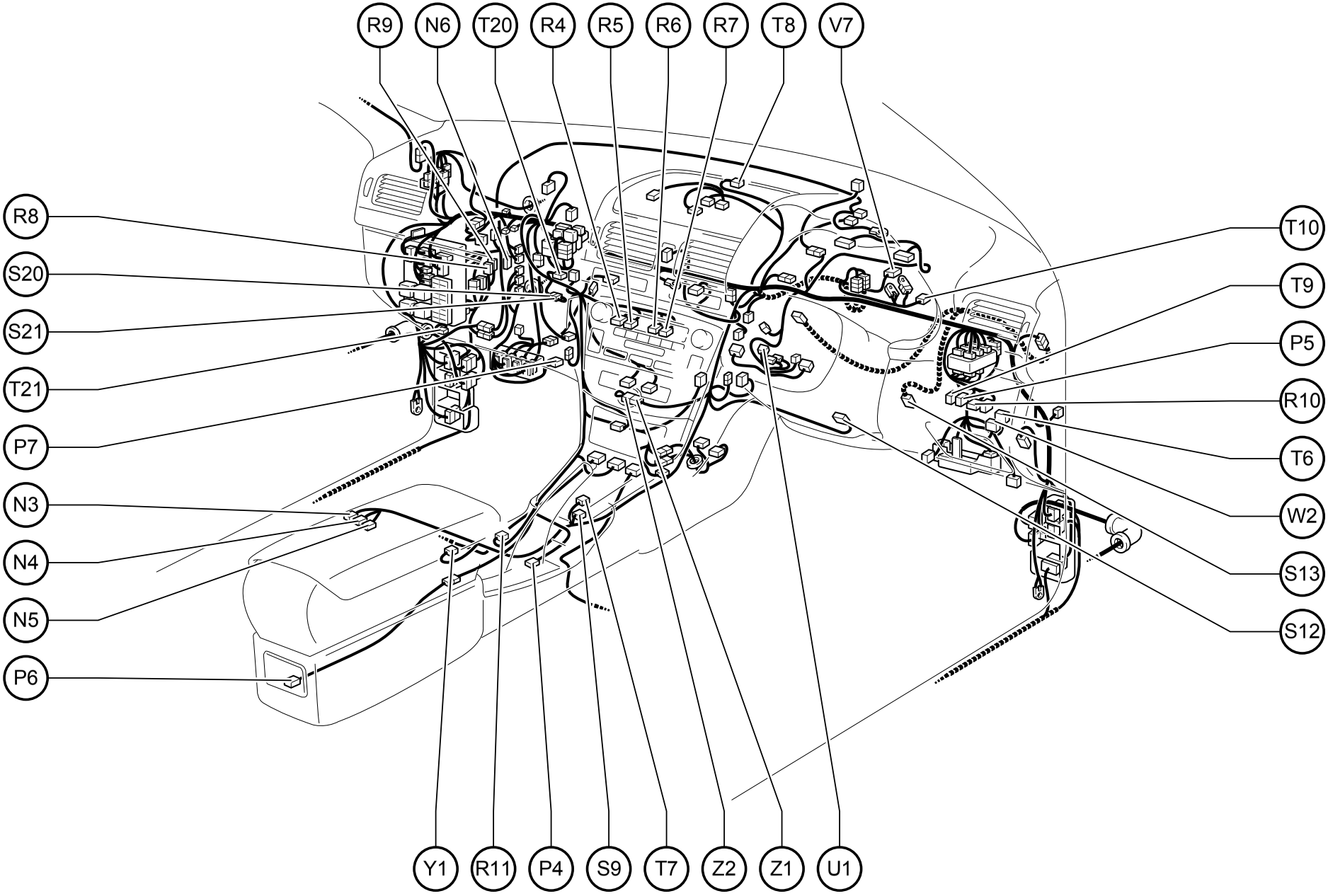
R9
N6
T20
R4
R5
R6
R7
T8
V7
R8
S20
S21
T21
P7
N3
N4
N5
P6
T10
T9
P5
R10
T6
W2
S13
S12
Y1
R11
P4
S9
T7
Z2
Z1
U1

http://vnx.su

N 3 Navigation ECU
N 4 Navigation ECU
N 5 Navigation ECU
N 6 Noise Filter (Rear Window Defogger No.1)

P 4 Parking Brake SW
P 5 Power Heater SW (Power Heater (Combustion Type))
P 5 Power Heater SW (Power Heater (Hot Gas Type))
P 6 Power Outlet
P 7 PTC Heater

R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Rear Fog Light Relay
R 9 Rear Window Defogger Relay
R 10 Remote Control Mirror SW
R 11 Remote Controller (Navigation)

S 9 Shift Lock Control ECU
S 12 Steering Sensor
S 13 Stop Light SW (LHD 1AZ-FE)
S 13 Stop Light SW (Except LHD 1AZ-FE)
S 20 Short Connector
S 21 Short Connector

T 6 Theft Deterrent ECU
T 7 Transmission Control SW
T 8 Transponder Key Computer
T 9 TRC Off SW
T 10 Turn Signal Flasher Relay
T 20 Tire Pressure Monitor ECU
T 21 Tire Pressure Warning SW

U 1 Unlock Warning SW

V 7 VSC Warning Buzzer

W 2 Wiper Relay

Y 1 Yaw Rate Sensor

Z 1 Option Connector (Navigation ECU)
Z 2 Option Connector (Navigation ECU)

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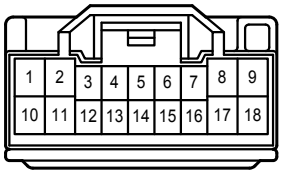
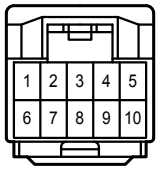
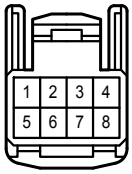
N 3



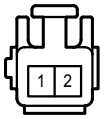
N 4



N 5



N 6



P 4

Black

P 5

Gray (Power Heater (Combustion Type))

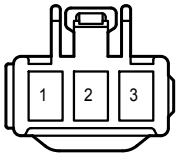
P 5

(Power Heater (Hot Gas Type))

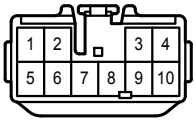
P 6

Black

P 7



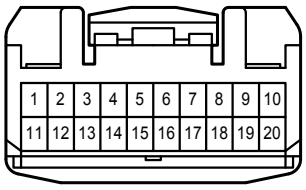
R 4



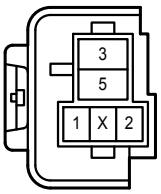
R 5

R 6

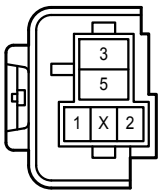
R 7



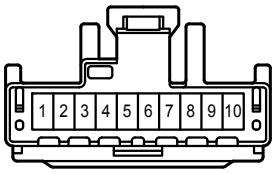
R 8



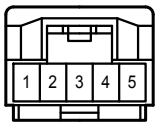
R 9



R 10



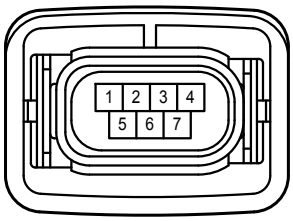
R 11



S 9

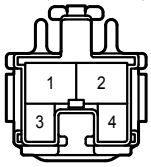
S 12

Black



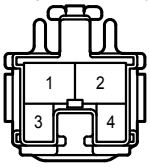
S 13

Black (LHD 1AZ-FE)

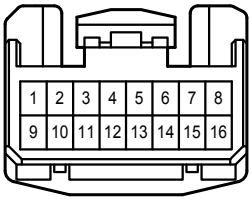


S 13

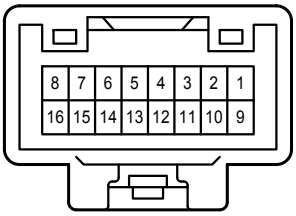
(Except LHD 1AZ-FE)



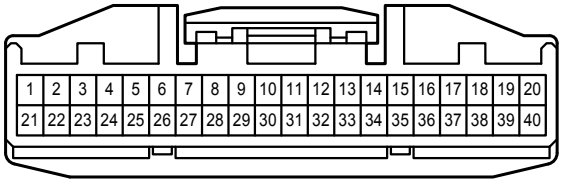
S 20



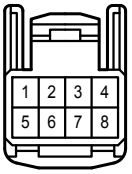
S 21



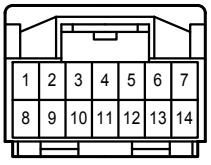
T 6



T 7



T 8



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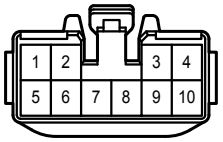
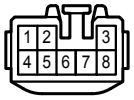
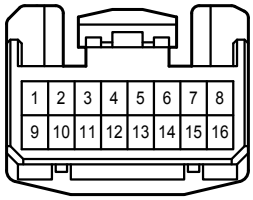
T 9
Black



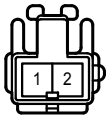
T 10
Black



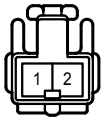
T 20



T 21

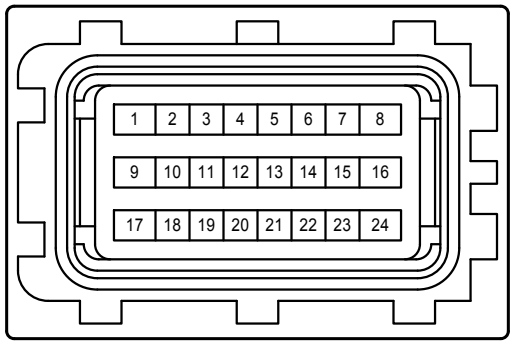


U 1
Black

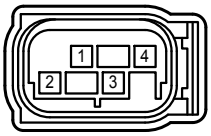


V 7
Black

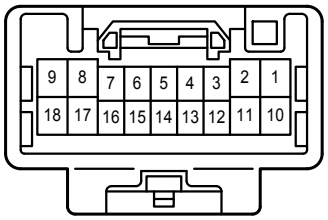
W 2
Black



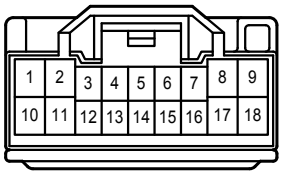
Y 1
Black



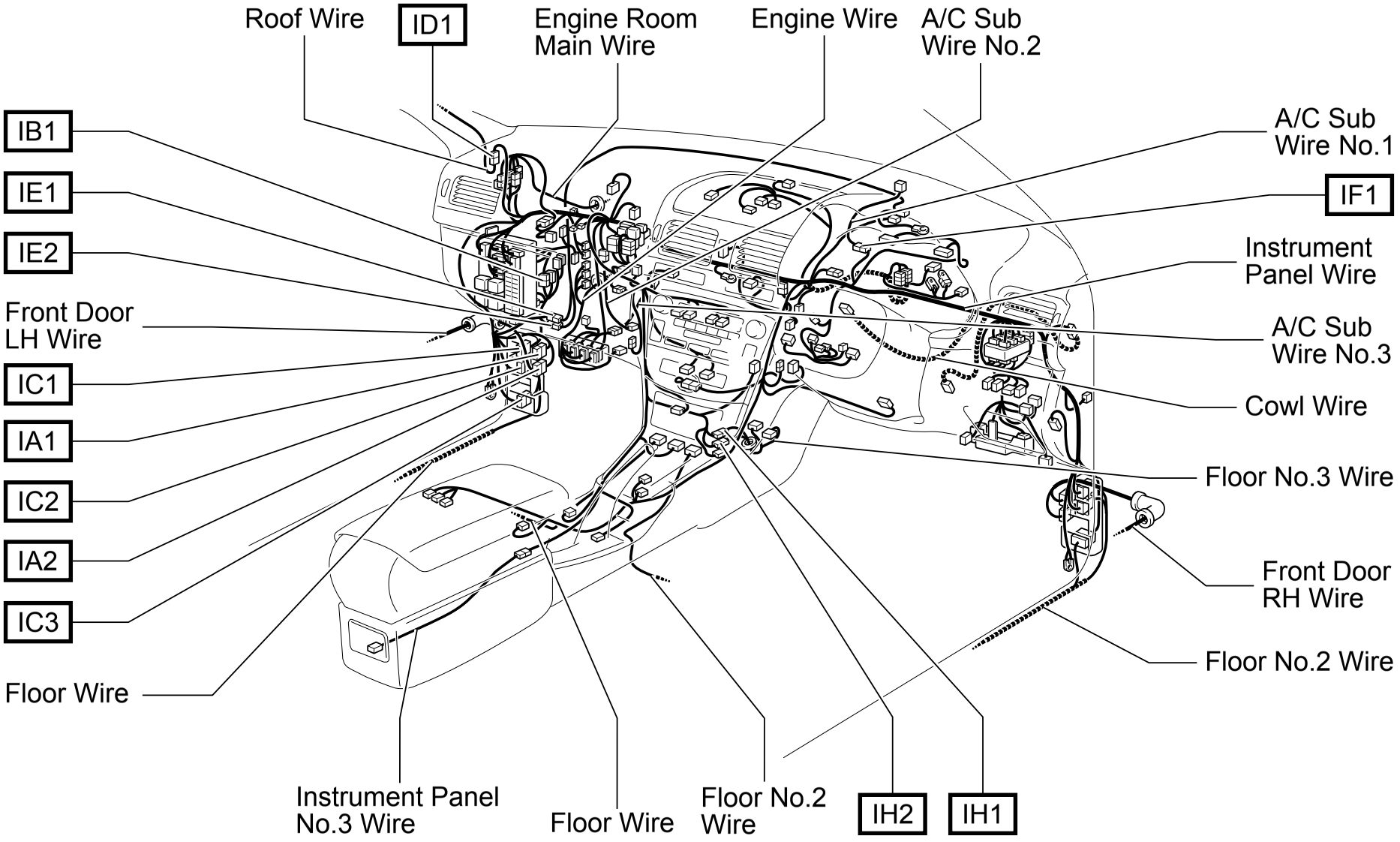
Z 1



Z 2

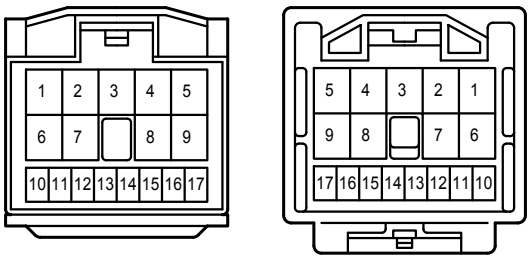


http://vnx.su

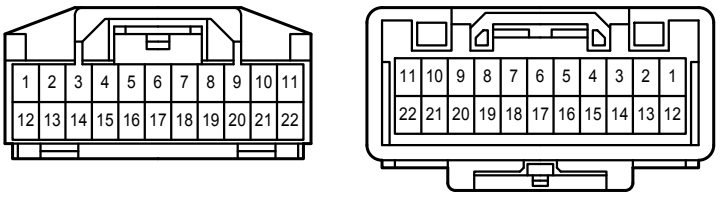

Roof Wire
ID1
Engine Room Main Wire
Engine Wire
A/C Sub Wire No.2
IB1
IE1
IE2
Front Door LH Wire
IC1
IA1
IC2
IA2
IC3
Floor Wire
A/C Sub Wire No.1
IF1
Instrument Panel Wire
A/C Sub Wire No.3
Cowl Wire
Floor No.3 Wire
Front Door RH Wire
Floor No.2 Wire
Instrument Panel No.3 Wire
Floor Wire
Floor No.2 Wire
IH2
IH1

http://vnx.su

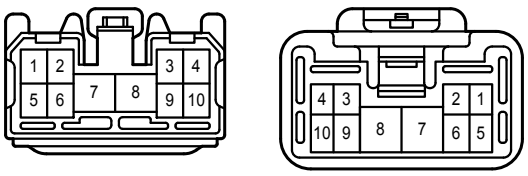
IA1



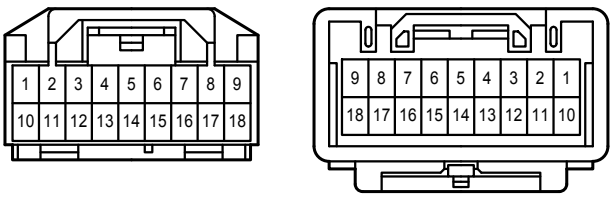
IA2



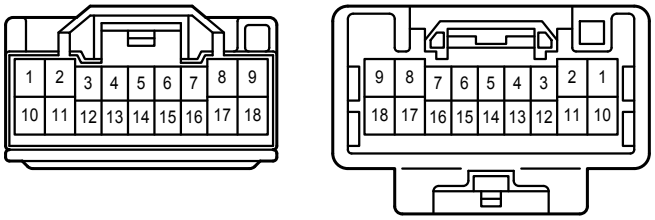
IB1



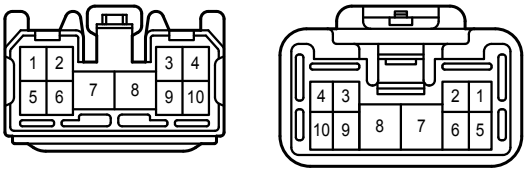
IC1



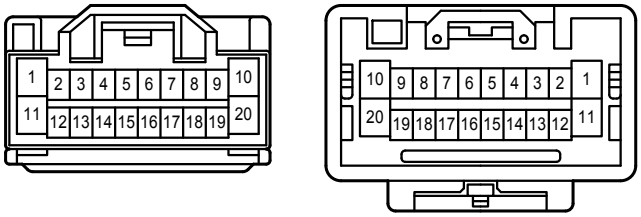
IC2



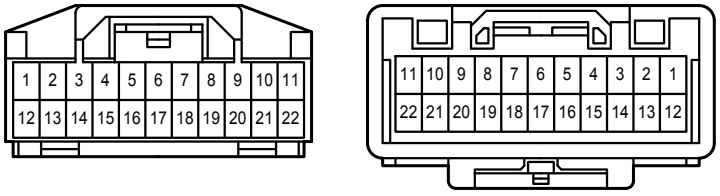
IC3



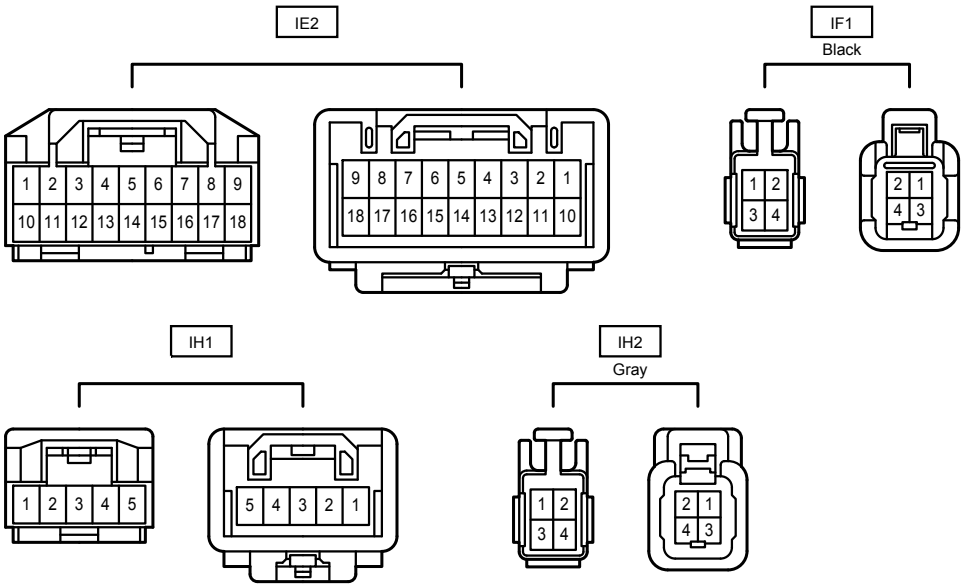
ID1



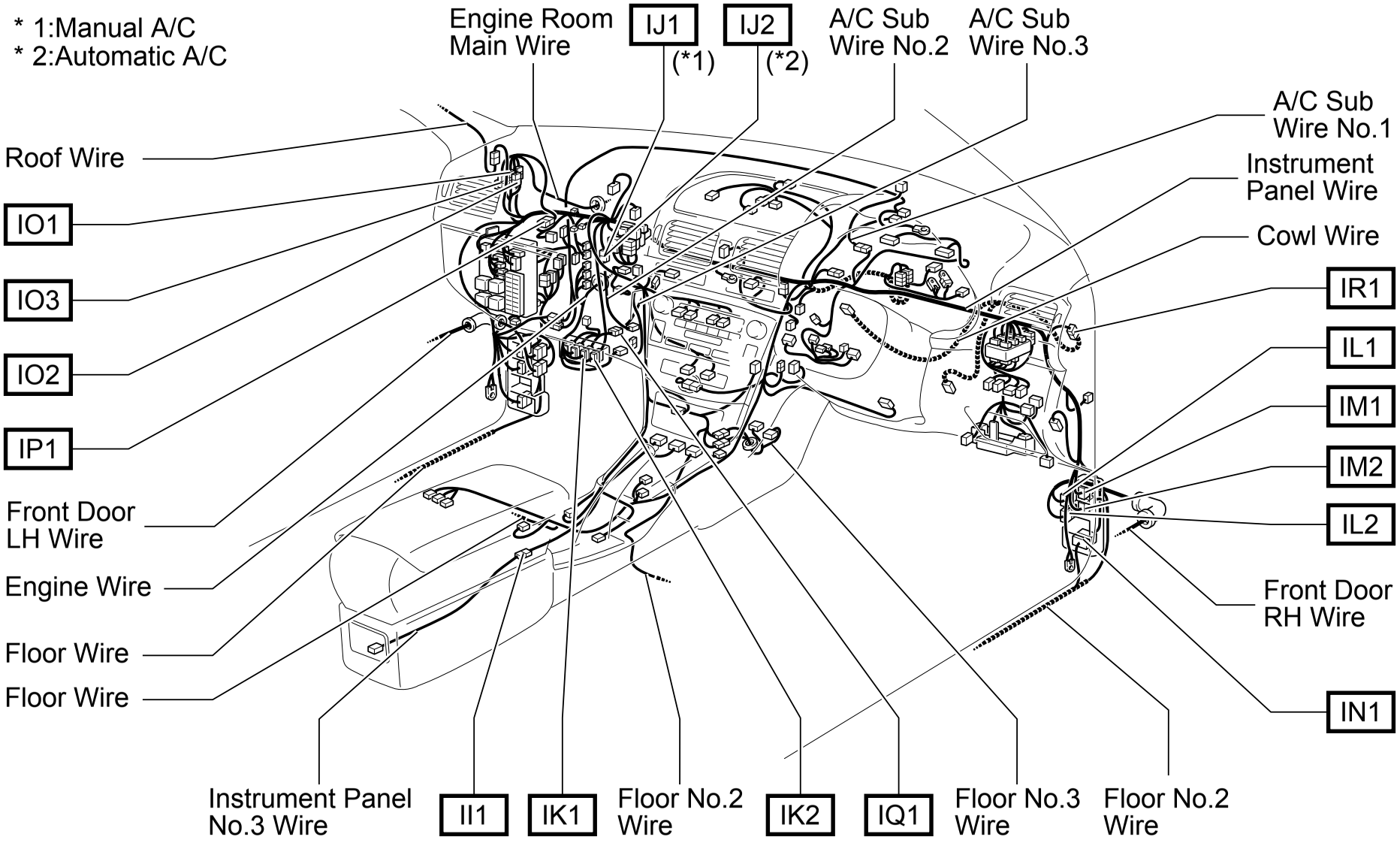
IE1



http://vnx.su

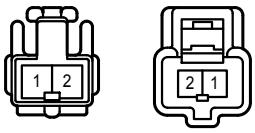

IE2
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10
IF1
Black
1 2
3 4
2 1
4 3
IH1
1 2 3 4 5
5 4 3 2 1
IH2
Gray
1 2
3 4
2 1
4 3

http://vnx.su

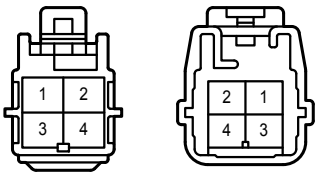

* 1:Manual A/C
* 2:Automatic A/C
Engine Room Main Wire
IJ1
(*1)
IJ2
(*2)
A/C Sub Wire No.2
A/C Sub Wire No.3
A/C Sub Wire No.1
Instrument Panel Wire
Cowl Wire
Roof Wire
IO1
IO3
IO2
IP1
Front Door LH Wire
Engine Wire
Floor Wire
Floor Wire
IR1
IL1
IM1
IM2
IL2
Front Door RH Wire
IN1
Instrument Panel No.3 Wire
II1
IK1
Floor No.2 Wire
IK2
IQ1
Floor No.3 Wire
Floor No.2 Wire

http://vnx.su

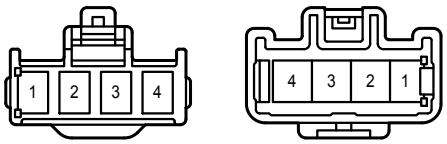
II1



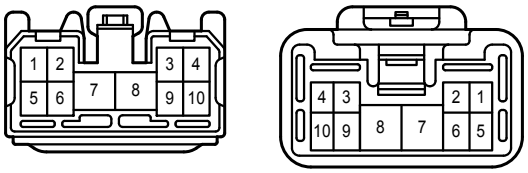
IJ1
Black



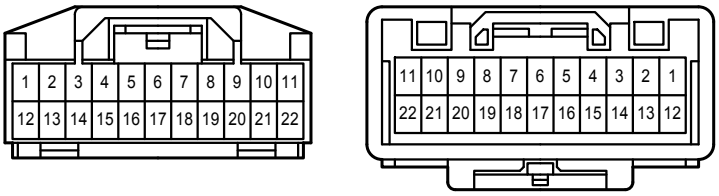
IJ2
Black



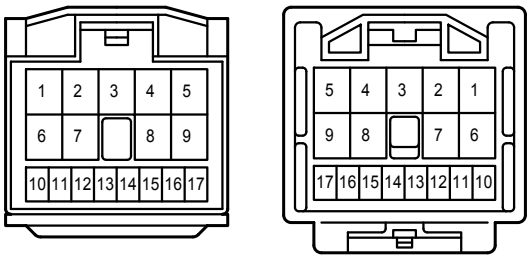
IK1



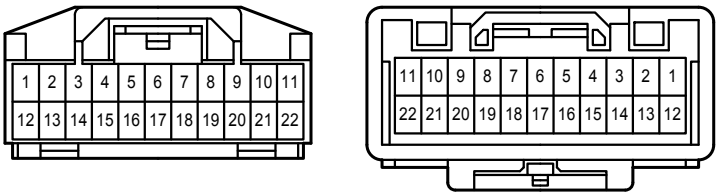
IK2



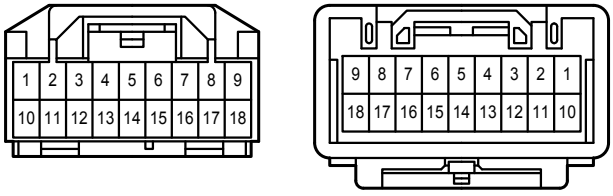
IL1



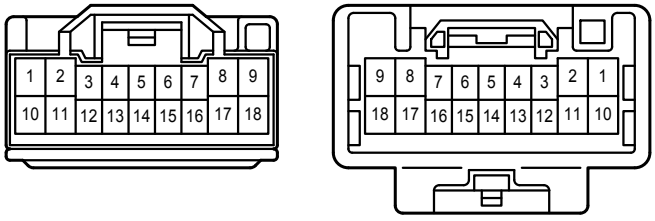
IL2



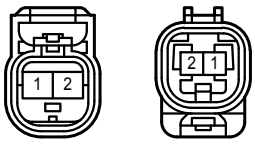
IM1



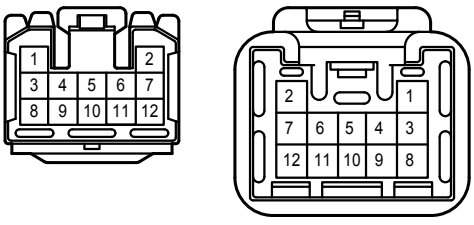
IM2



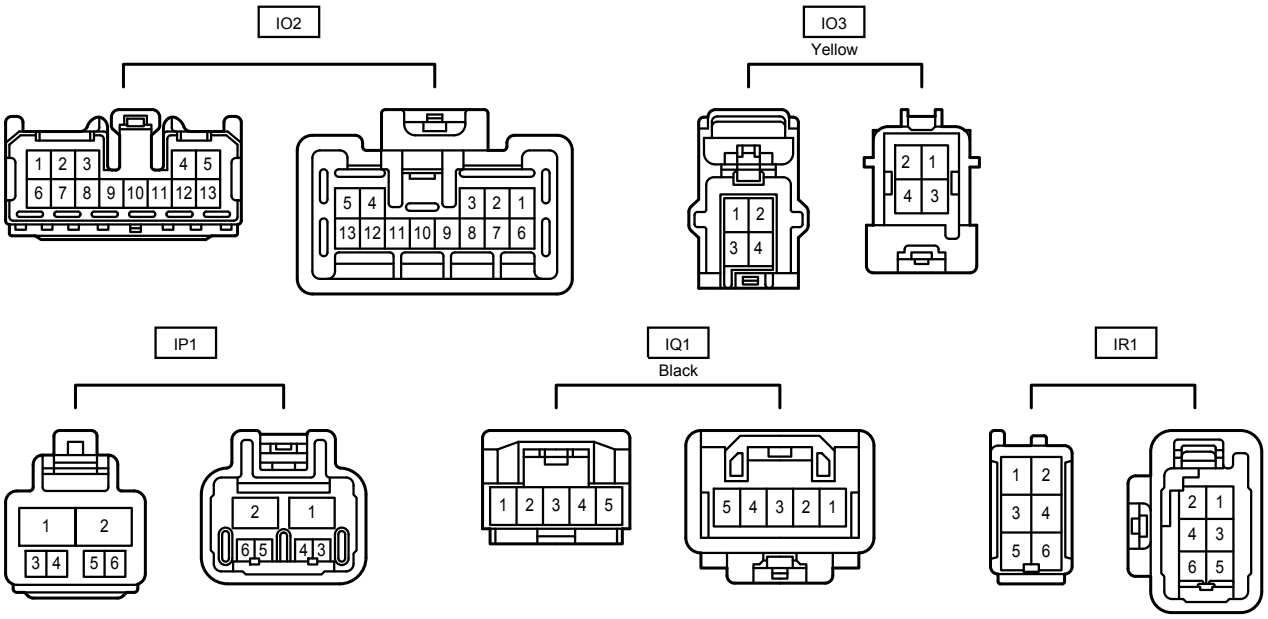
IN1
Yellow



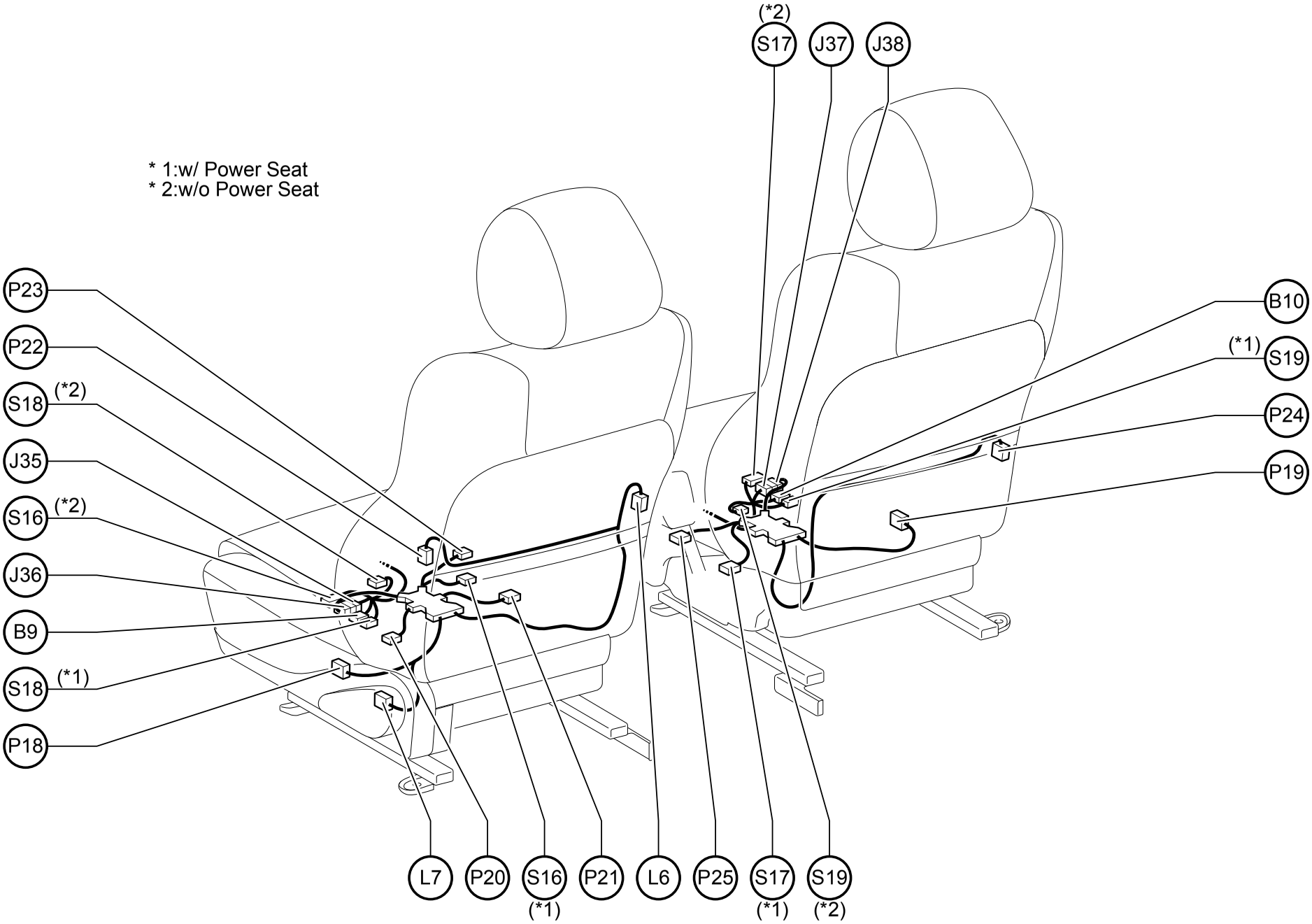
IO1



http://vnx.su


IO2
1 2 3 4 5
6 7 8 9 10 11 12 13
5 4 3 2 1
13 12 11 10 9 8 7 6
IO3
Yellow
1 2
3 4
2 1
4 3
IP1
1 2
3 4 5 6
2 1
6 5 4 3
IQ1
Black
1 2 3 4 5
5 4 3 2 1
IR1
1 2
3 4
5 6
2 1
4 3
6 5

http://vnx.su


* 1:w/ Power Seat
* 2:w/o Power Seat
(*2)
S17
J37
J38
P23
P22
S18
(*2)
J35
S16
(*2)
J36
B9
S18
(*1)
P18
B10
(*1)
S19
P24
P19
L7
P20
S16
(*1)
P21
L6
P25
S17
(*1)
S19
(*2)

http://vnx.su

B 9 Buckle SW (Driver's Side)
B 10 Buckle SW (Front Passenger's Side) , Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

P 19 Power Seat Control SW (Front Passenger's Seat)
P 20 Power Seat Motor (Driver's Seat Front Vertical Control)
P 21 Power Seat Motor (Driver's Seat Lifter Control)
P 22 Power Seat Motor (Driver's Seat Reclining Control)
P 23 Power Seat Motor (Driver's Seat Slide Control)
P 24 Power Seat Motor (Front Passenger's Seat Reclining Control)
P 25 Power Seat Motor (Front Passenger's Seat Slide Control)

S 16 Seat Heater LH (w/ Power Seat)
S 16 Seat Heater LH (w/o Power Seat)
S 17 Seat Heater RH (w/ Power Seat)
S 17 Seat Heater RH (w/o Power Seat)
S 18 Side Airbag Squib LH
S 19 Side Airbag Squib RH

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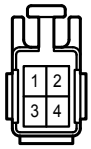
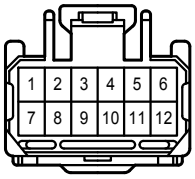
B 9
Gray

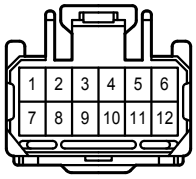
B 10



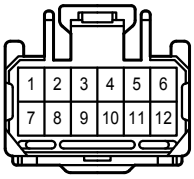
J 35



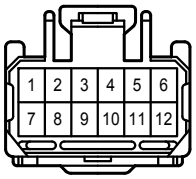
J 36



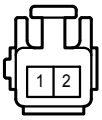
J 37



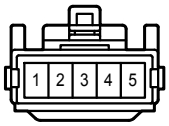
J 38



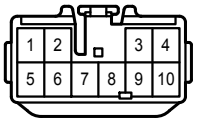
L 6



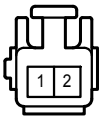
L 7



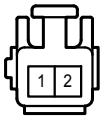
P 19
Black



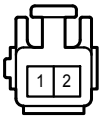
P 20



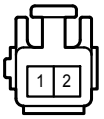
P 21
Black



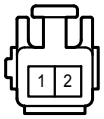
P 22



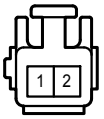
P 23
Blue



P 24

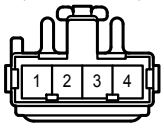


P 25
Blue



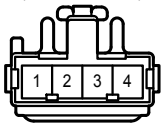
S 16
Gray (w/ Power Seat)

S 16
(w/o Power Seat)



S 17
Gray (w/ Power Seat)

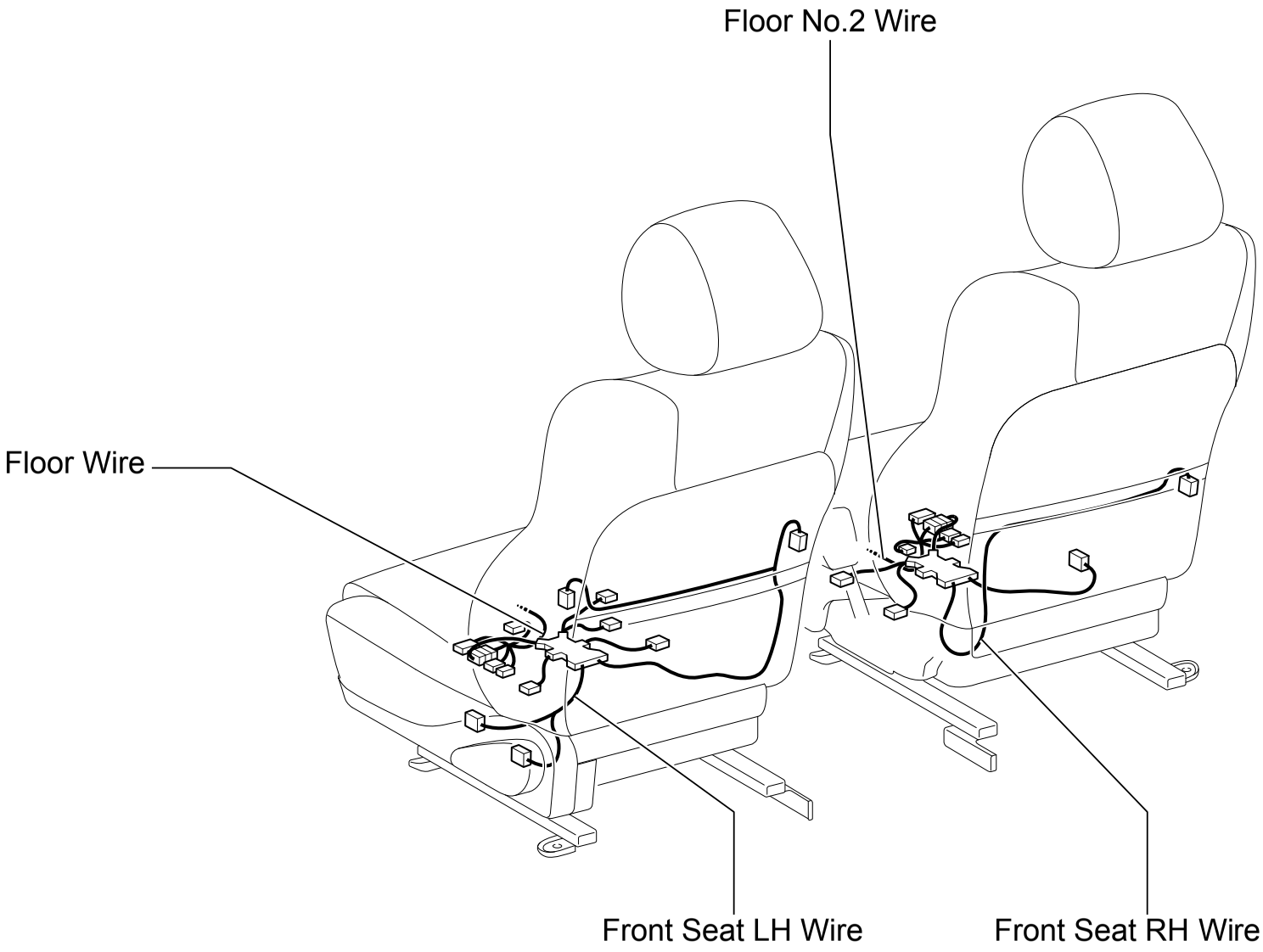
S 17
(w/o Power Seat)



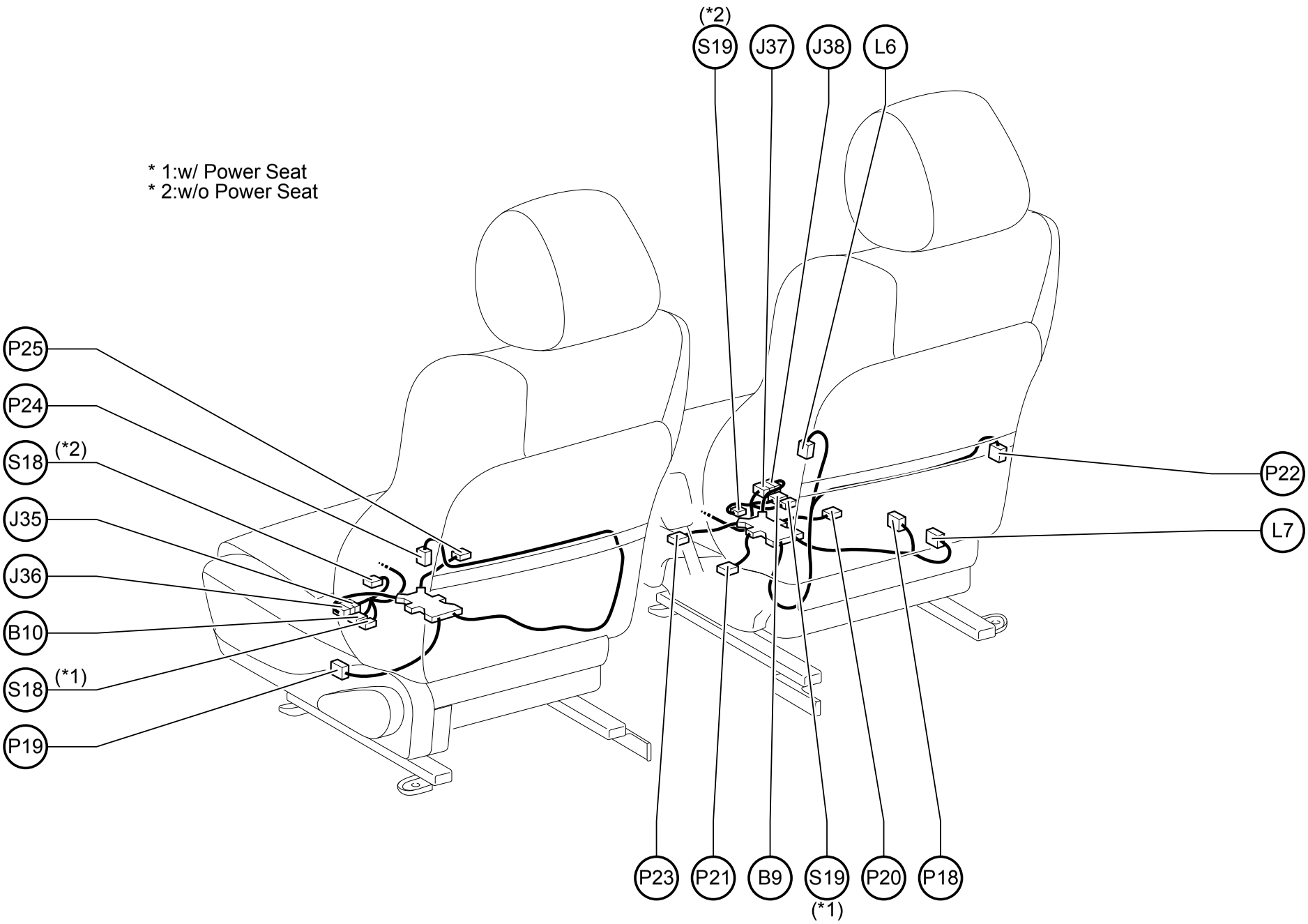
S 18
Yellow

S 19
Yellow

http://vnx.su


Floor No.2 Wire
Floor Wire
Front Seat LH Wire
Front Seat RH Wire

http://vnx.su


* 1:w/ Power Seat
* 2:w/o Power Seat
(*2)
S19
J37
J38
L6
P25
P24
S18
(*2)
J35
J36
B10
S18
(*1)
P19
P22
L7
P23
P21
B9
S19
(*1)
P20
P18

http://vnx.su

B 9 Buckle SW (Driver's Side)
B 10 Buckle SW (Front Passenger's Side) , Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

P 18 Power Seat Control SW (Driver's Seat)
P 19 Power Seat Control SW (Front Passenger's Seat)
P 20 Power Seat Motor (Driver's Seat Front Vertical Control)
P 21 Power Seat Motor (Driver's Seat Lifter Control)
P 22 Power Seat Motor (Driver's Seat Reclining Control)
P 23 Power Seat Motor (Driver's Seat Slide Control)
P 24 Power Seat Motor (Front Passenger's Seat Reclining Control)

S 18 Side Airbag Squib LH
S 19 Side Airbag Squib RH

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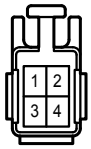
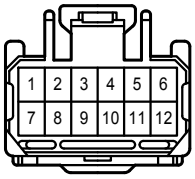
B 9
Gray

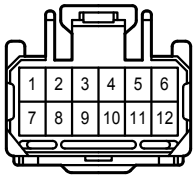
B 10



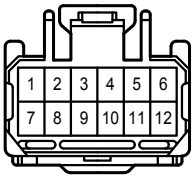
J 35



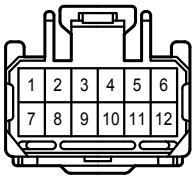
J 36



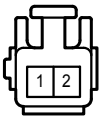
J 37



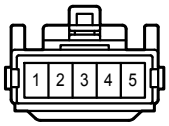
J 38



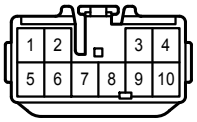
L 6



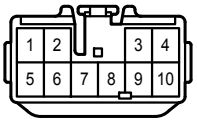
L 7



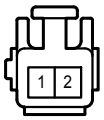
P 18
Black



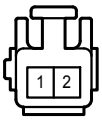
P 19
Black



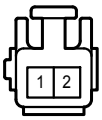
P 20



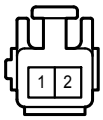
P 21
Black



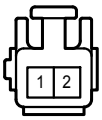
P 22



P 23
Blue



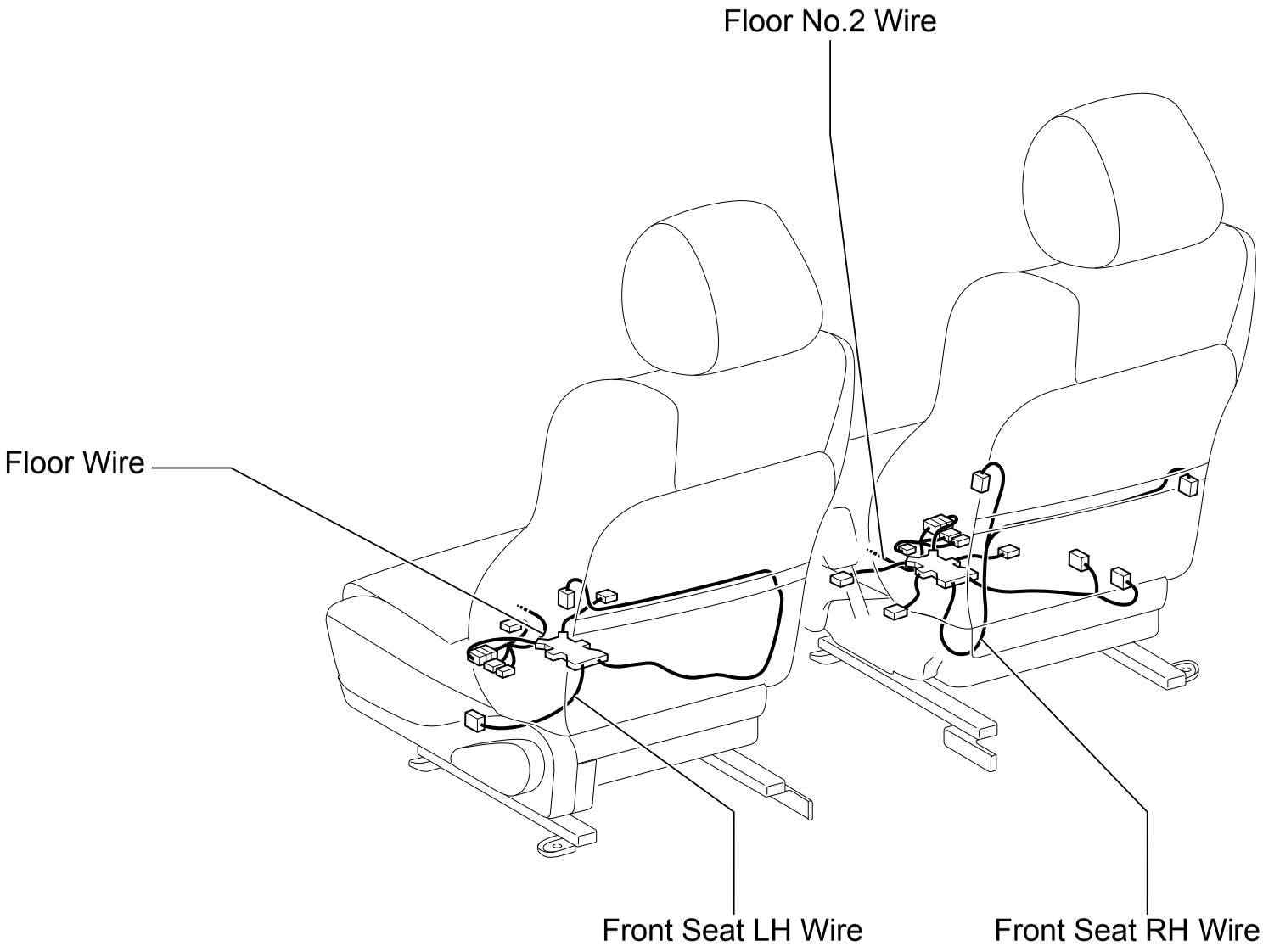
P 24



S 18
Yellow

S 19
Yellow

http://vnx.su

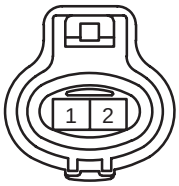

Floor No.2 Wire
Floor Wire
Front Seat LH Wire
Front Seat RH Wire

http://vnx.su

F CONNECTOR LIST

A 1
Gray

A 2
Black

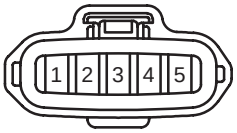


A 3
Black

A 4

A 5

A 6
Black



A 7
Gray

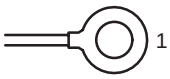
A 8
Gray

A 9
Yellow

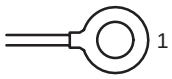
A10
Yellow

A11
Black

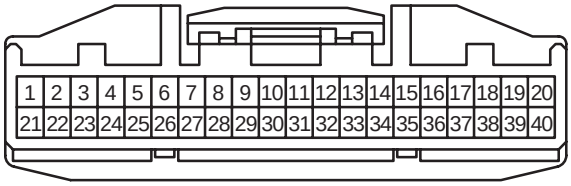
A12
(1CD–FTV)



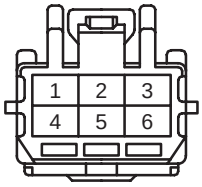
A12
(Except 1CD–FTV)



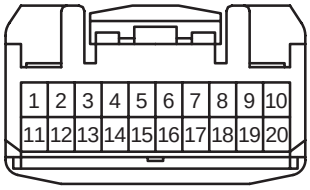
A13



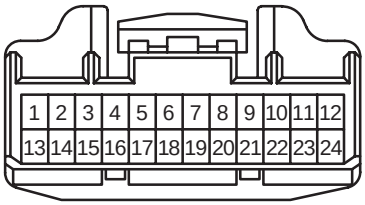
A14



A15



A16



A17
Black

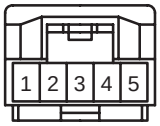
A18
Black

A19

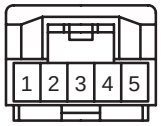
A20
Black

A21
Black

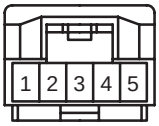
A22
Black



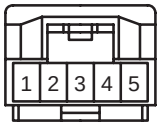
A23
Black



A24
Black



A25
Black



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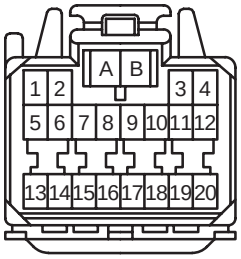
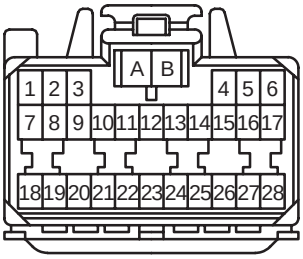
*1 : 2AD–FHV, 2AD–FTV
*2 : Except 2AD–FHV, 2AD–FTV

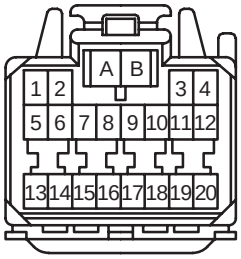
A26
Yellow



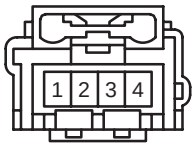
A27
Yellow



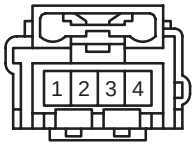
A28
Yellow



A29
Yellow



A30
Yellow



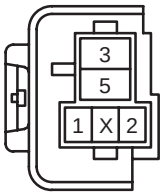
A31

A32

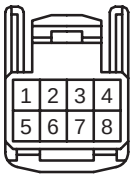
A33

A34
Gray

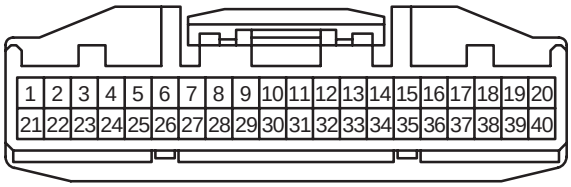
A35



A36



A37



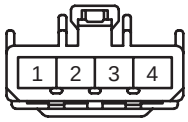
B 1
Gray

B 2
Black

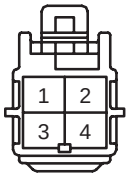
B 3
Black

B 4

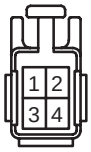
B 5
Black



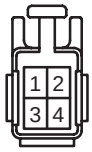
B 6
Black



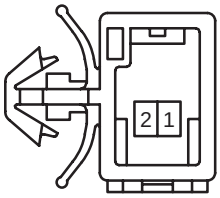
B 7
(L/B)



B 7
(W/G) Blue

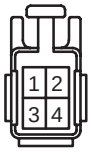


B 8



B 9
Gray

B10



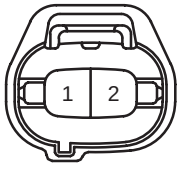
B11
Black

B12
Black

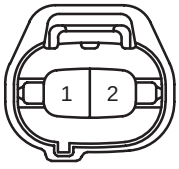
C 1
Black

C 2
Black

C 3
(*1) Black



C 3
(*2) Gray



C 4

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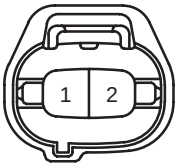
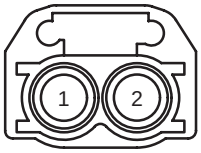
F CONNECTOR LIST

*1 : 2AD–FHV, 2AD–FTV
*3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE, 1ZZ–FE, 3ZZ–FE

C 5
Black



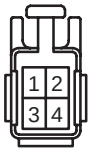
C 6
(1CD–FTV) Black



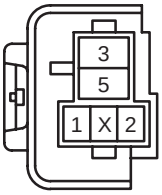
C 6
(*1) Gray

C 6
(*3) Gray

C 7
Black

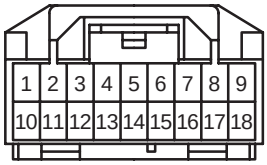


C 8

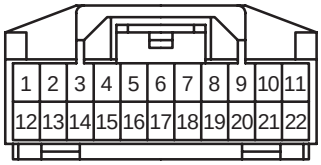


C 9

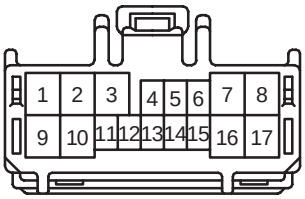
C10
Blue



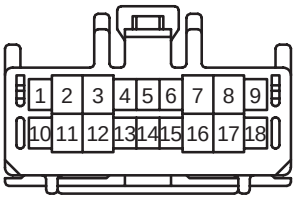
C11



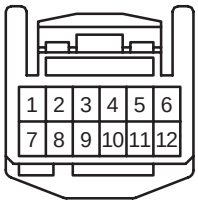
C12



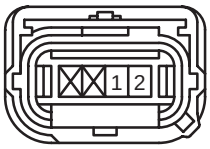
C13
Black



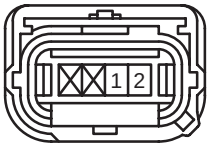
C14



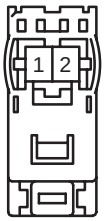
C15
Yellow



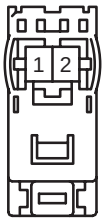
C16
Yellow



C17
Black

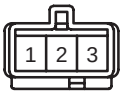


C18
Black



D 1
Black

D 2

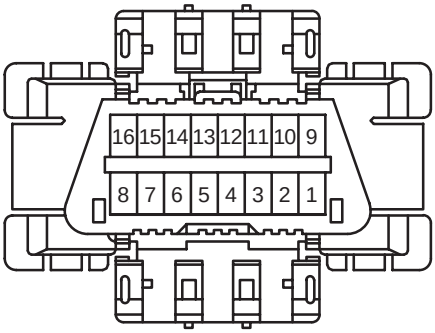


D 3
Black

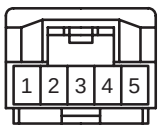
D 4
(1CD–FTV)

D 4
(Except 1CD–FTV)

D 5



D 6



D 7

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*1 : 2AD–FHV, 2AD–FTV
*4 : 2AZ–FSE, 1AZ–FSE, 1ZZ–FE, 3ZZ–FE
*5 : 1CD–FTV, 2AD–FTV
*6 : 2AZ–FSE, 1AZ–FSE
*7 : 1CD–FTV, 2AD–FHV, 2AD–FTV

D 8

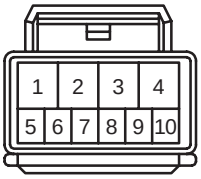
D 9

D10

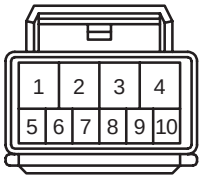
D11

D12

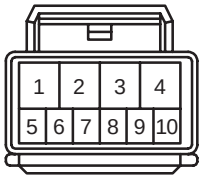
D13



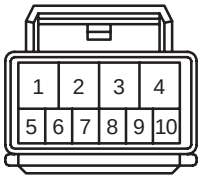
D14



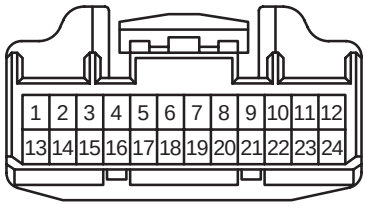
D15



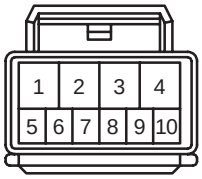
D16



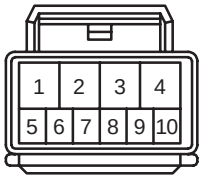
D17



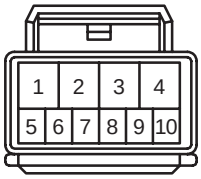
D18



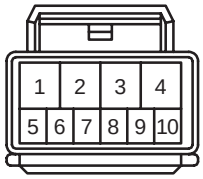
D19



D20

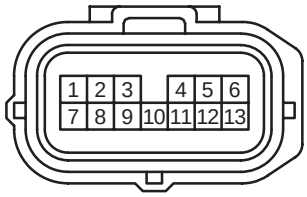


D21

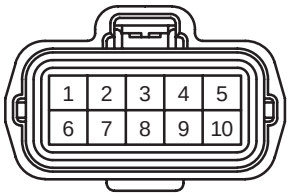


D22
Black

E 1
(2AZ–FSE) Gray



E 1
(Except 2AZ–FSE) Gray



E 2
(1AZ–FE) Gray

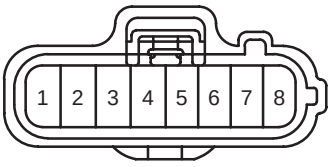
E 2
(1CD–FTV) Gray

E 2
(*1) Gray

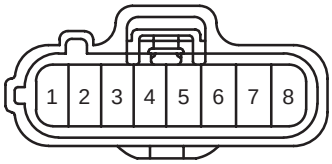
E 2
(*4) Gray

E 3
Black

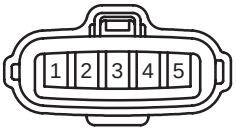
E 4
Black



E 5
(*5) Dark Gray



E 5
(*6) Black



E 6
Black

E 7
(*7) Gray

E 7
(2AZ–FSE) Gray

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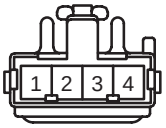
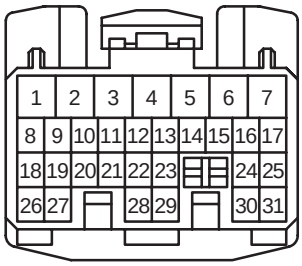
F CONNECTOR LIST

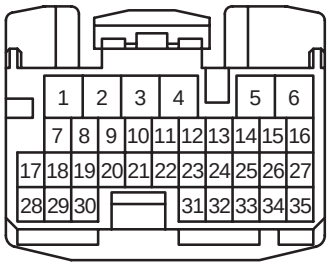
E 8
Black



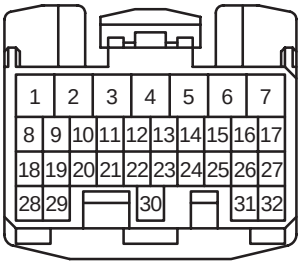
E 9



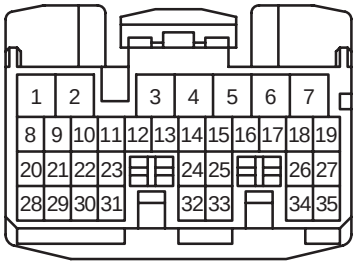
E10



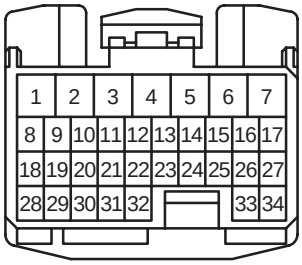
E11



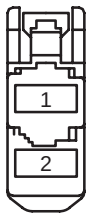
E12



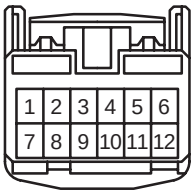
E13



E14
Gray

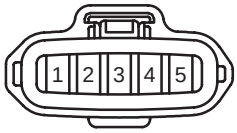


E15



E16
Black

E18
Black

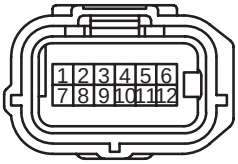


E19
Gray

E20
Dark Gray

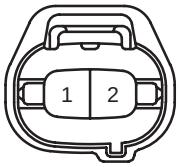
E21
Gray

E22
Black

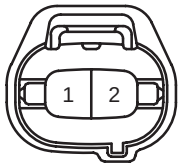


E23
Black

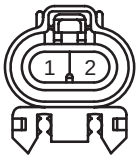
F 1
Black



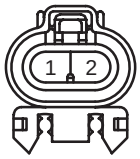
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

F 7

F 8

F 9

F10

F11
Black

F12
Black

F13
Gray

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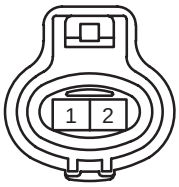
*6 : 2AZ–FSE, 1AZ–FSE
*8 : 1CD–FTV, 2AD–FHV

F14
Gray

F15
Gray



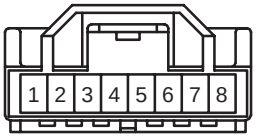
F16
(*8) Black

F16
(*6) Gray

F17
Black

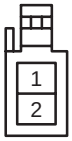
F18
Gray

F19

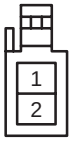


F20
Black

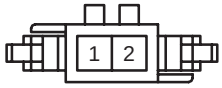
F21
Black



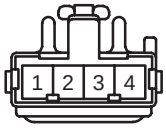
F22
Black



F23
Black



F24

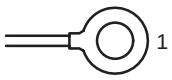


F25
Gray

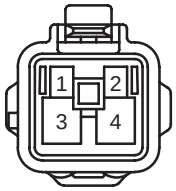
F26
Dark Gray

F28
Black

G 1



G 2
Gray



G 3
Black

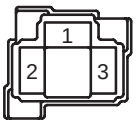
H 1
Gray

H 2
Gray

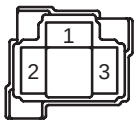
H 3
Black

H 4
Black

H 5



H 6



H 7
(1ZZ–FE, 3ZZ–FE) Gray

H 7
(*6) Gray

H 8
Black

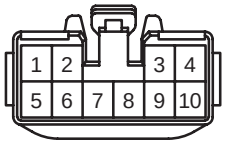
H 9
Gray

H10
Black

H11
Black

H12
Black

H13
Black



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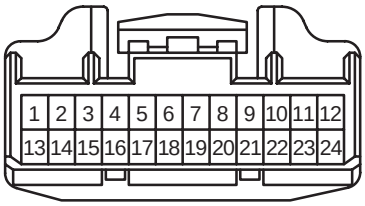
F CONNECTOR LIST

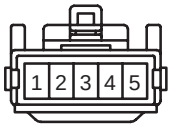
*6 : 2AZ–FSE, 1AZ–FSE

*9 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE, 1CD–FTV

H14



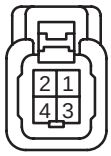
H15



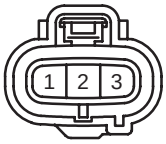
H16
Black

H17
(w/ HID) Gray

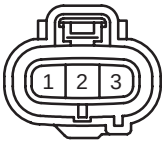
H17
(w/o HID) Gray



H18
Black

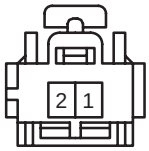


H19
Black



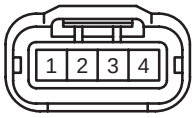
H20
(L/B)

H20
(S/D) Gray

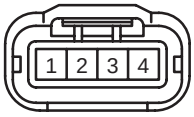


H20
(W/G) Black

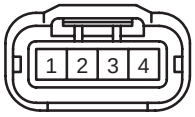
I 1
Black



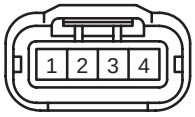
I 2
Gray



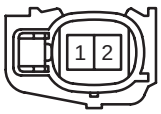
I 3
Black



I 4
Gray



I 5
(*9) Black

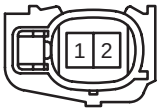


I 5
(2AD–FHV) Black

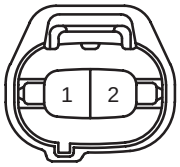
I 5
(2AD–FTV) Black

I 5
(*6) Black

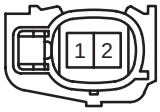
I 6
(*9) Gray



I 6
(2AD–FHV) Gray

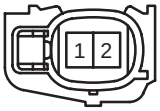


I 6
(2AD–FTV) Gray

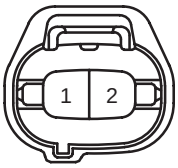


I 6
(*6) Gray

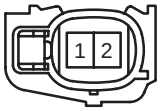
I 7
(*9) Black



I 7
(2AD–FHV) Black

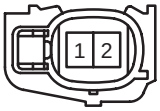


I 7
(2AD–FTV) Black

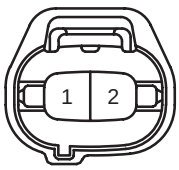


I 7
(*6) Black

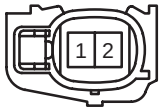
I 8
(*9) Gray



I 8
(2AD–FHV) Gray



I 8
(2AD–FTV) Gray



I 8
(*6) Gray

I 9
Gray

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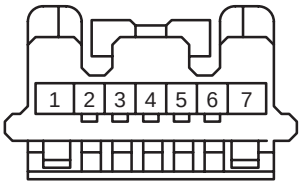
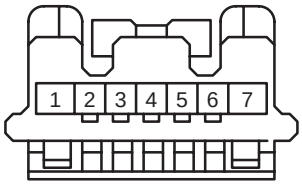
I10
Black

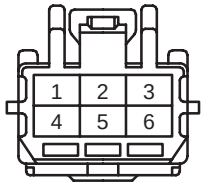
I11
Black



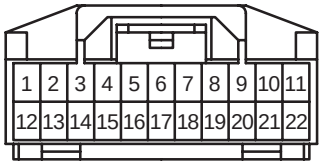
I12
Black



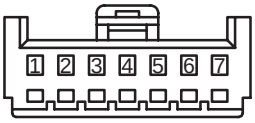
I13



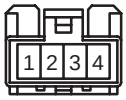
I14



I15
Black



I16



I17
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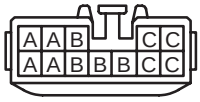
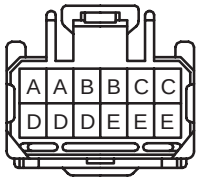
I18
Black

J 1
Gray

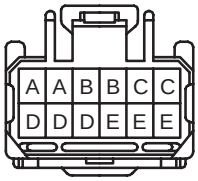


J 2
Black

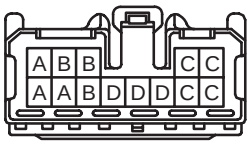
J 3



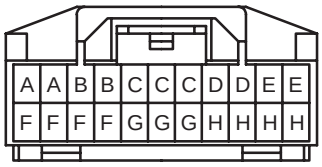
J 4



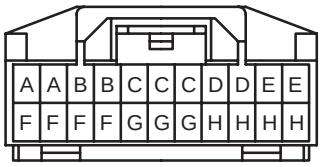
J 5



J 6



J 7



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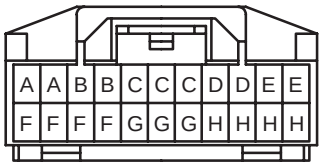

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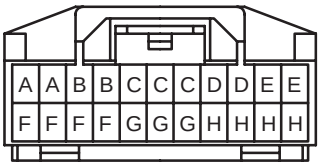

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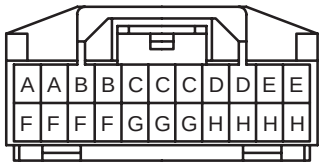
Gray



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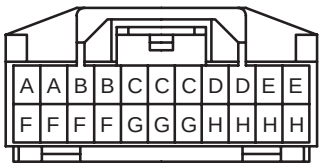

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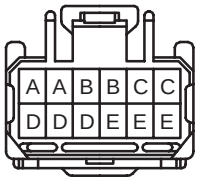

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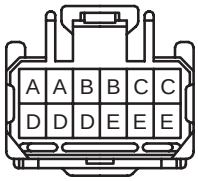

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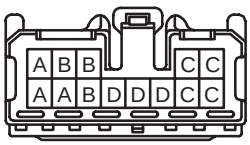

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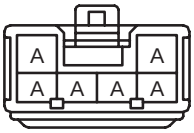
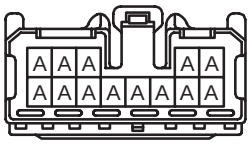
F CONNECTOR LIST

J15



J16



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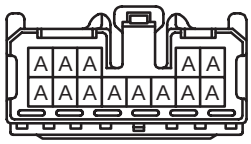

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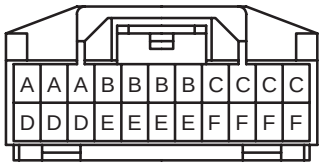
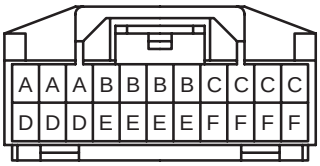


J19



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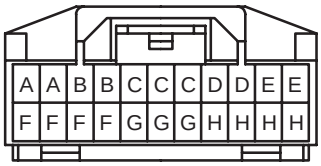

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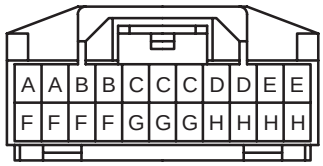

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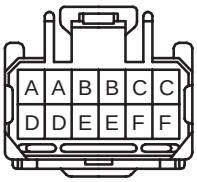

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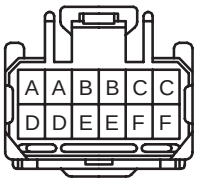

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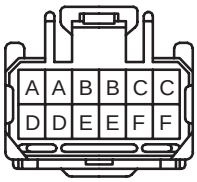

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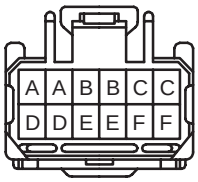

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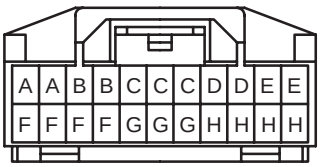

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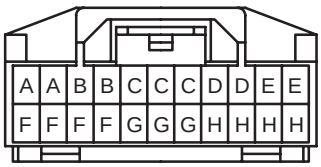
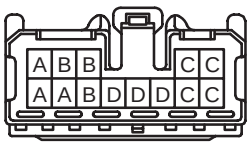


J28



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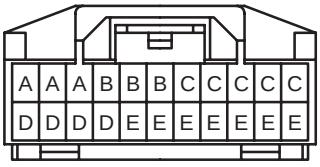

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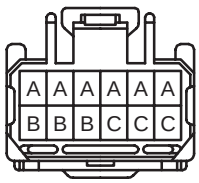
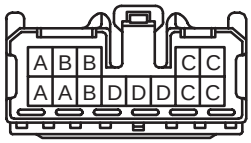


J31

J32



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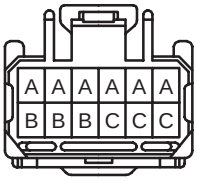

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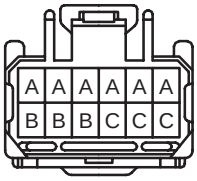
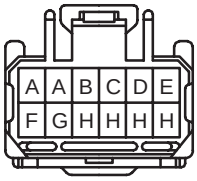


J35



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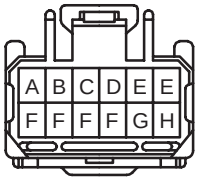

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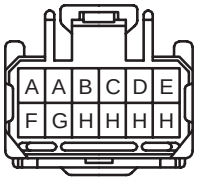
*10 : w/ Navigation System (Map Type)
*11 : w/o Navigation System (Map Type)

J37



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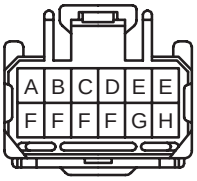
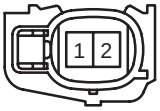
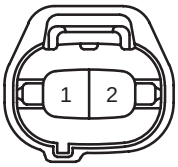


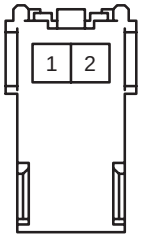
K 1
Black



K 2
Black



K 3
Yellow

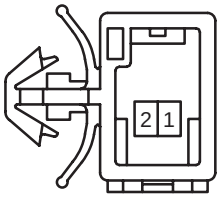


L 1
Black

L 2
Black

L 3
Black

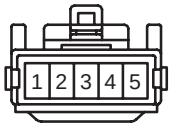
L 4



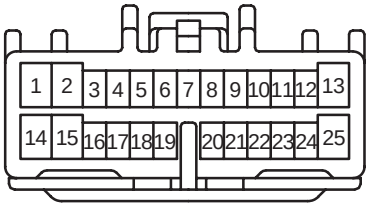
L 5

L 6

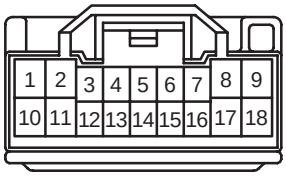
L 7



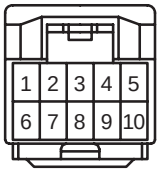
M 1
(*10)



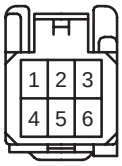
M 1
(*11)



M 2
(*10)

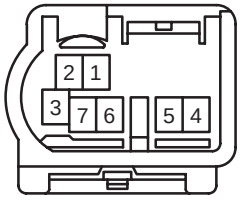


M 2
(*11)

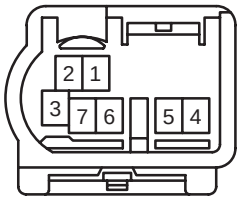


M 3

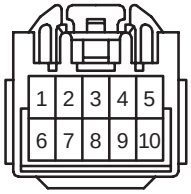
M 4



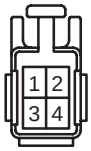
M 5



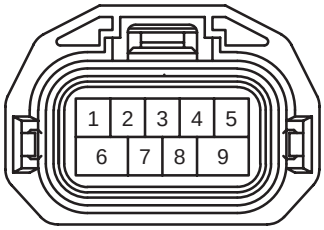
M 6
Gray



M 7

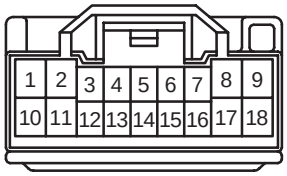


N 1
Gray



N 2
Gray

N 3



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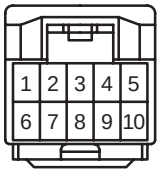
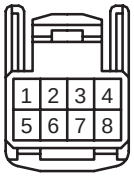
F CONNECTOR LIST

*12 : Power Heater (Combustion Type)
*13 : Power Heater (Hot Gas Type)

N 4



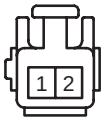
N 5



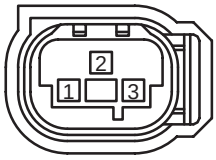
N 6

N 7

N 8



O 1
Black



O 2
Gray

P 1
Black

P 2
Black

P 3
Gray

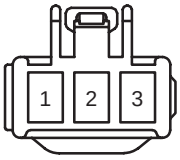
P 4
Black

P 5
(*12) Gray

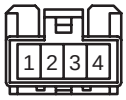
P 5
(*13)

P 6
Black

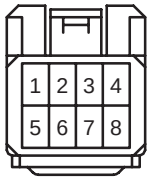
P 7



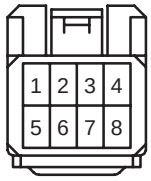
P 8



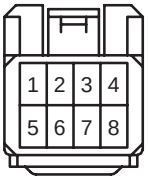
P 9



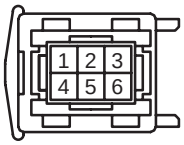
P10



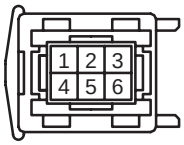
P11



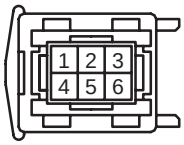
P12
Gray



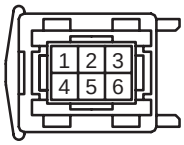
P13
Gray



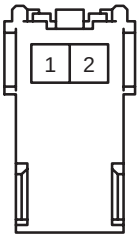
P14
Gray



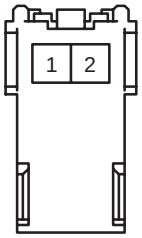
P15
Gray



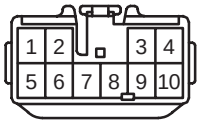
P16
Yellow



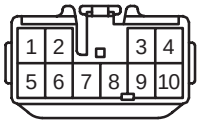
P17
Yellow



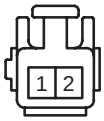
P18
Black



P19
Black



P20



P21
Black

P22

P23
Blue

P24

P25
Blue

P26
Black

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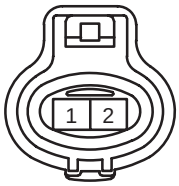
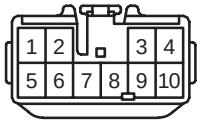
R 1
Gray



R 2
Black

R 3
Red

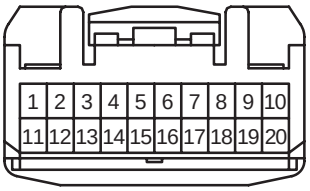
R 4



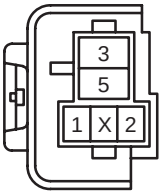
R 5

R 6

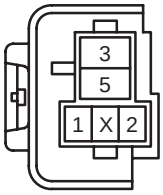
R 7



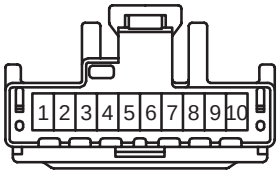
R 8



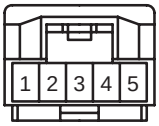
R 9



R10

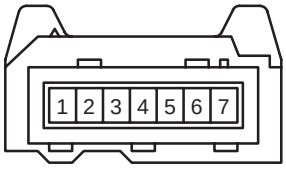


R11

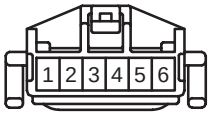


R12
Black

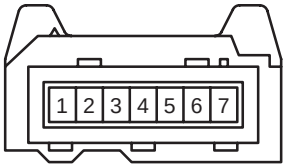
R13
(Except W/G) Black



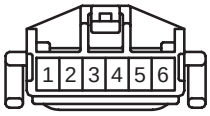
R13
(W/G)



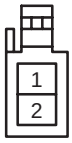
R14
(Except W/G) Black



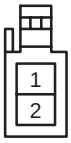
R14
(W/G)



R15
Black



R16
Black



R17

R18
(L/B)

R18
(S/D, W/G)

R19
(L/B)

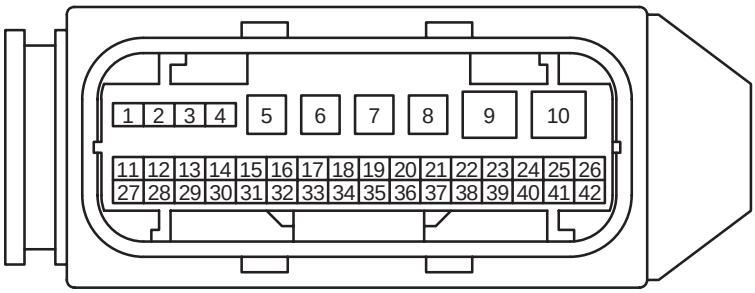
R19
(S/D)

R19
(W/G)

R20
Black

R21
Black

S 1
Black



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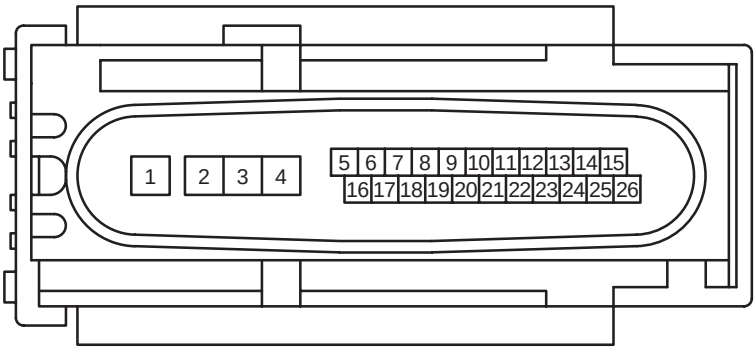
F CONNECTOR LIST

*1 : 2AD–FHV, 2AD–FTV
*14 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*15 : Except LHD 1AZ–FE
*16 : w/ Curtain Shield Airbag
*17 : w/o Curtain Shield Airbag

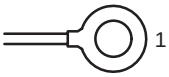
S 2
Black



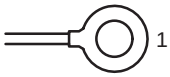
S 3
Gray

S 4
Black

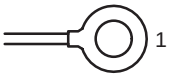
S 5
(1CD–FTV)



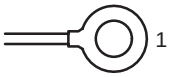
S 5
(1ZZ–FE, 3ZZ–FE)



S 5
(*1)

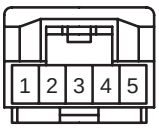


S 5
(*14)



S 6
Gray

S 7
Black



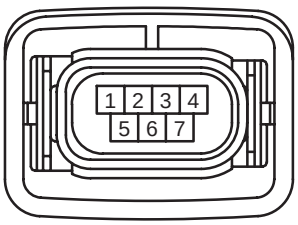
S 8
Black

S 9

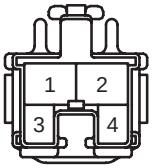
S10
Black

S11
Black

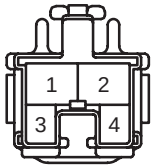
S12
Black



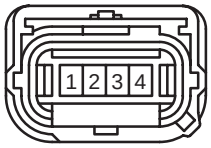
S13
(*15)



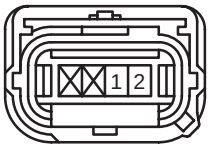
S13
(LHD 1AZ–FE) Black



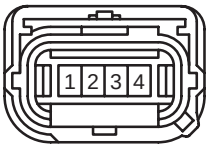
S14
(*16) Yellow



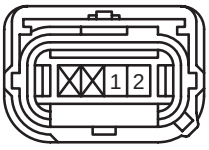
S14
(*17) Yellow



S15
(*16) Yellow

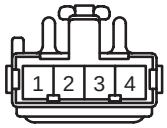


S15
(*17) Yellow



S16
(w/ Power Seat) Gray

S16
(w/o Power Seat)



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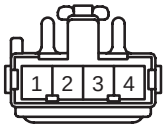
S17
(w/ Power Seat) Gray

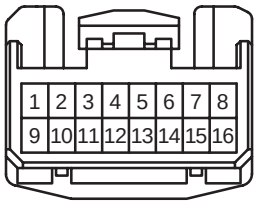
S17
(w/o Power Seat)



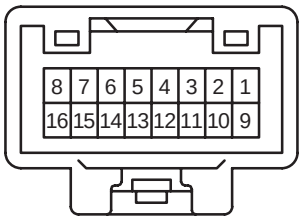
S18
Yellow

S19
Yellow

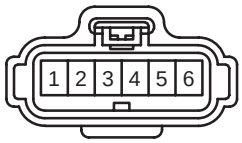
S20



S21



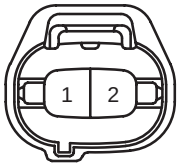
T 1
Black



T 2
Black

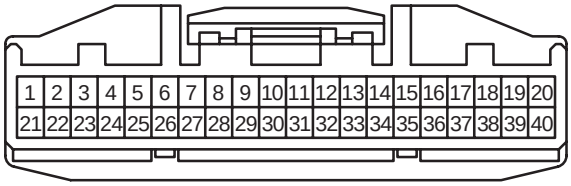
T 3
Gray

T 4
Black

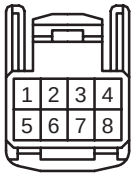


T 5
Black

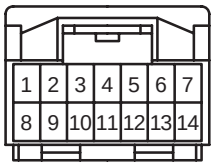
T 6



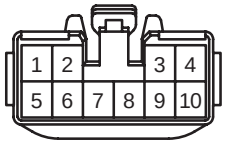
T 7



T 8

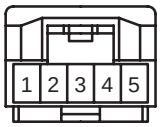


T 9
Black

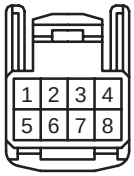


T10
Black

T11



T12

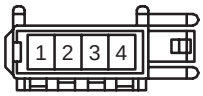


T13

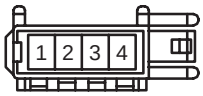
T14
Black

T15
Black

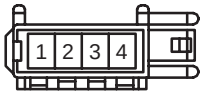
T16



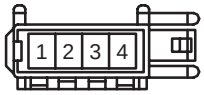
T17



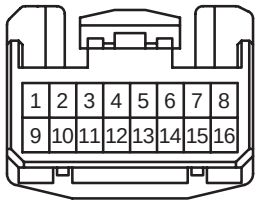
T18



T19

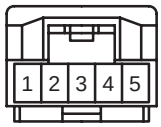


T20



T21

T22



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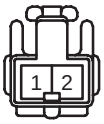
F CONNECTOR LIST

*1 : 2AD–FHV, 2AD–FTV

U 1
Black



V 1
Black

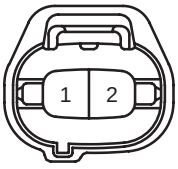
V 2
Black

V 3
Black

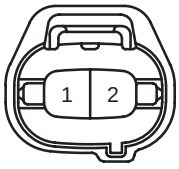
V 4
(1CD–FTV) Black

V 4
(*1) Black

V 5
Blue



V 6
Brown

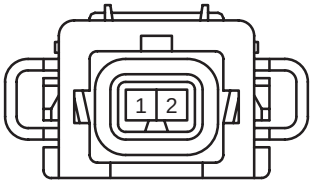


V 7
Black

V 8

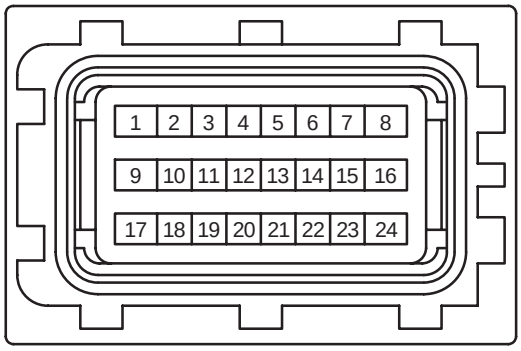
V 9

V10
Black

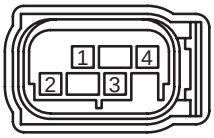


W 1

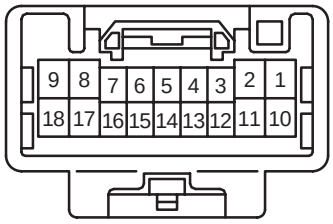
W 2
Black



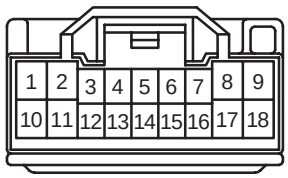
Y 1
Black



Z 1



Z 2



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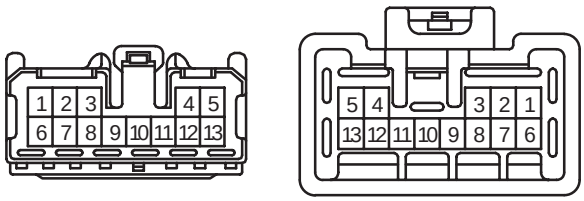
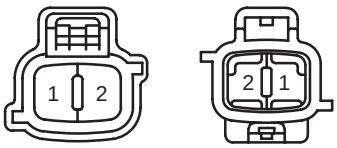
F CONNECTOR LIST

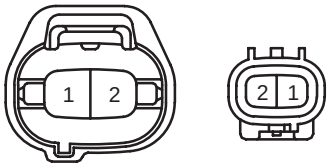
(Gasoline) **EA1**



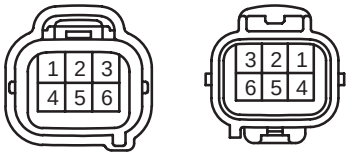
(Diesel) **EA1** Gray



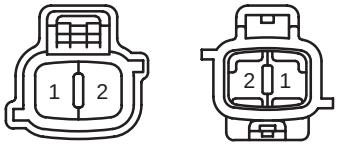
(1ZZ–FE, 3ZZ–FE) **EB1** Gray



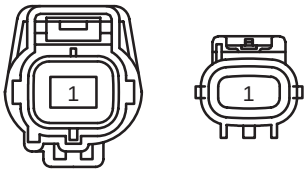
(1CD–FTV) **EB1** Black



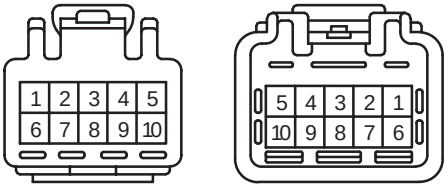
EC1 Gray



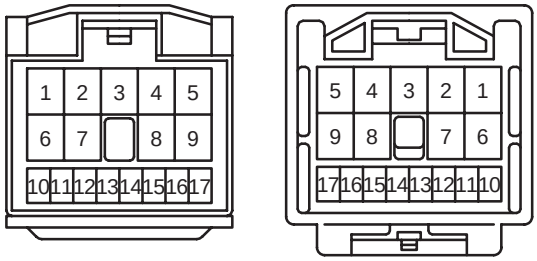
ED1 Black



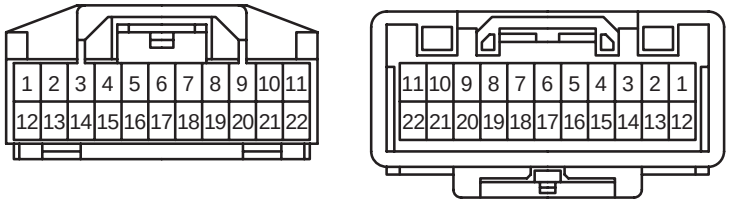
EE1



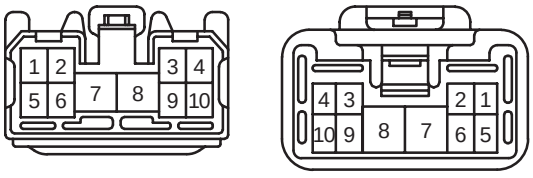
IA1



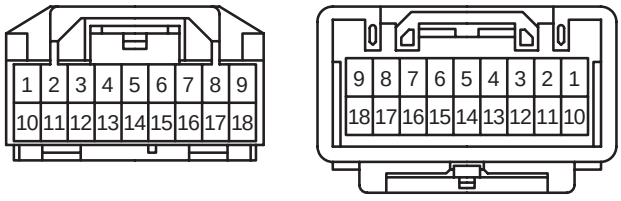
IA2



IB1



IC1



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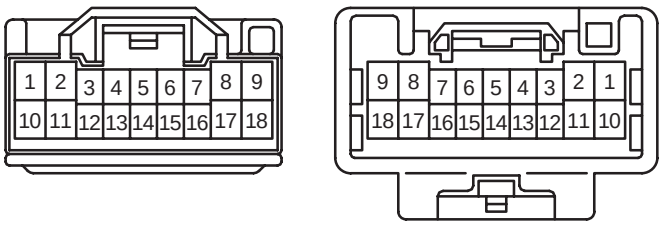
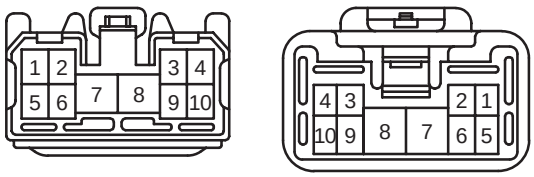
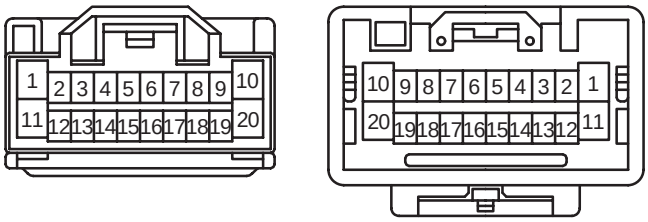
IC2



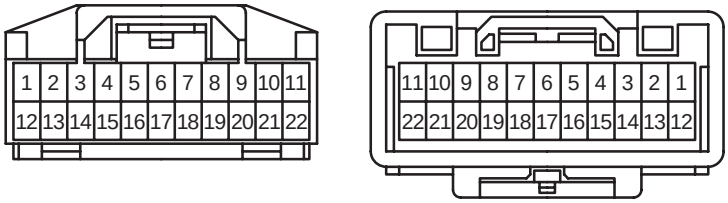
IC3



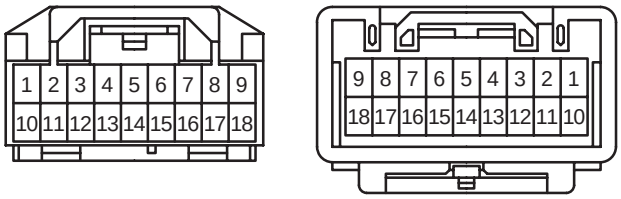
ID1



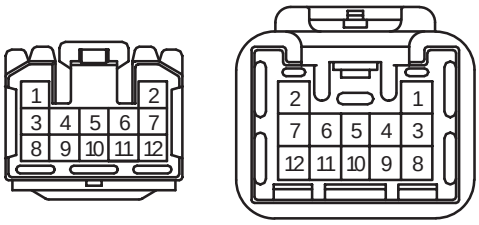
IE1



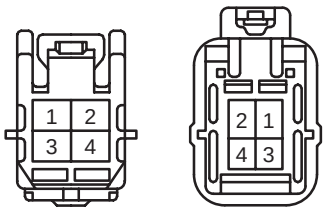
IE2



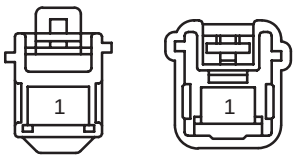
IE3



IE4



IE5



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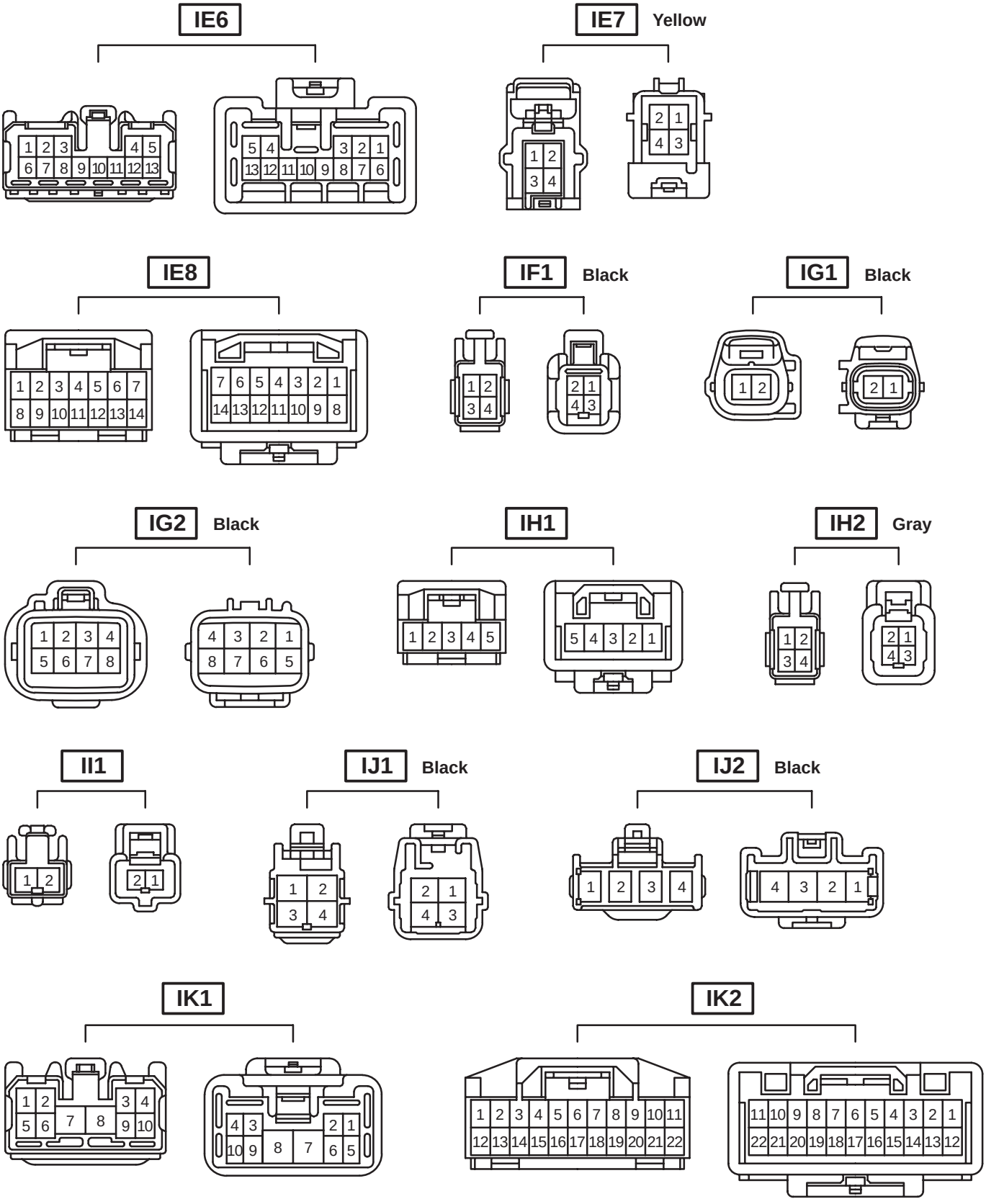
IE6
1 2 3 4 5
6 7 8 9 10 11 12 13
5 4 3 2 1
13 12 11 10 9 8 7 6
IE7 Yellow
1 2
3 4
2 1
4 3
IE8
1 2 3 4 5 6 7
8 9 10 11 12 13 14
7 6 5 4 3 2 1
14 13 12 11 10 9 8
IF1 Black
1 2
3 4
2 1
4 3
IG1 Black
1 2
2 1
IG2 Black
1 2 3 4
5 6 7 8
4 3 2 1
8 7 6 5
IH1
1 2 3 4 5
5 4 3 2 1
IH2 Gray
1 2
3 4
2 1
4 3
II1
1 2
2 1
IJ1 Black
1 2
3 4
2 1
4 3
IJ2 Black
1 2 3 4
4 3 2 1
IK1
1 2
5 6
7 8
3 4
9 10
4 3
10 9 8 7
2 1
6 5
IK2
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
11 10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12

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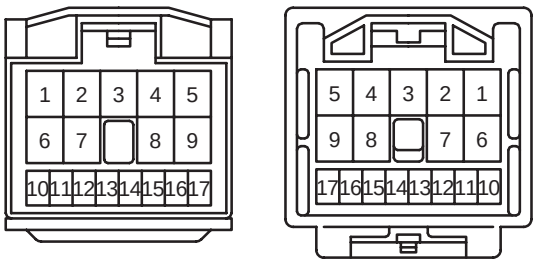
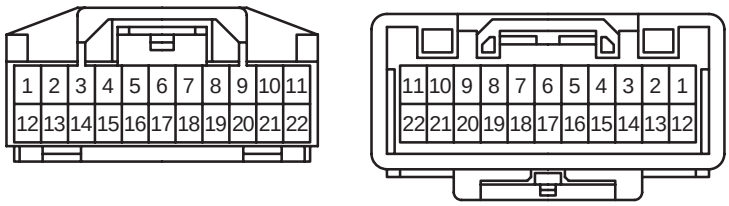
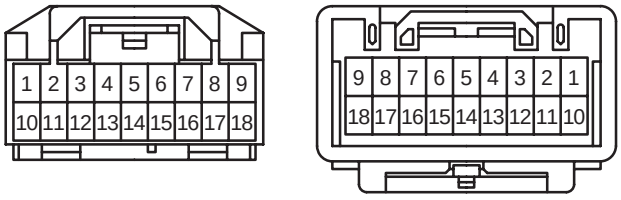
IL1



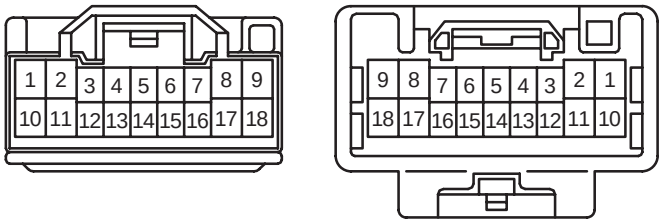
IL2



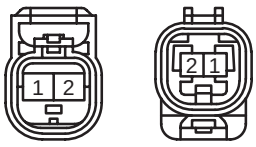
IM1



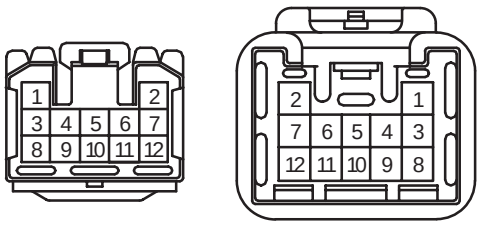
IM2



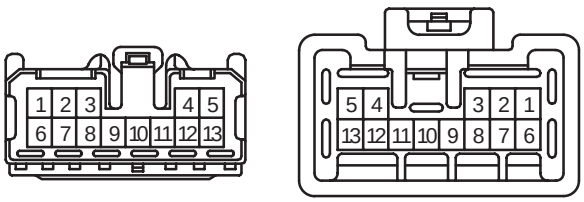
IN1 Yellow



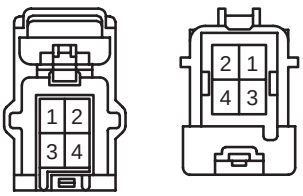
IO1



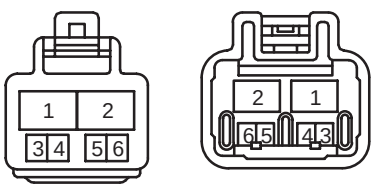
IO2



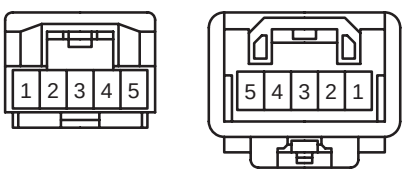
IO3 Yellow



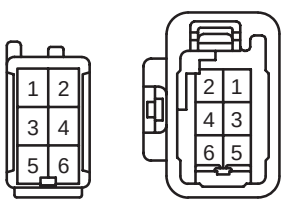
IP1



IQ1 Black



IR1



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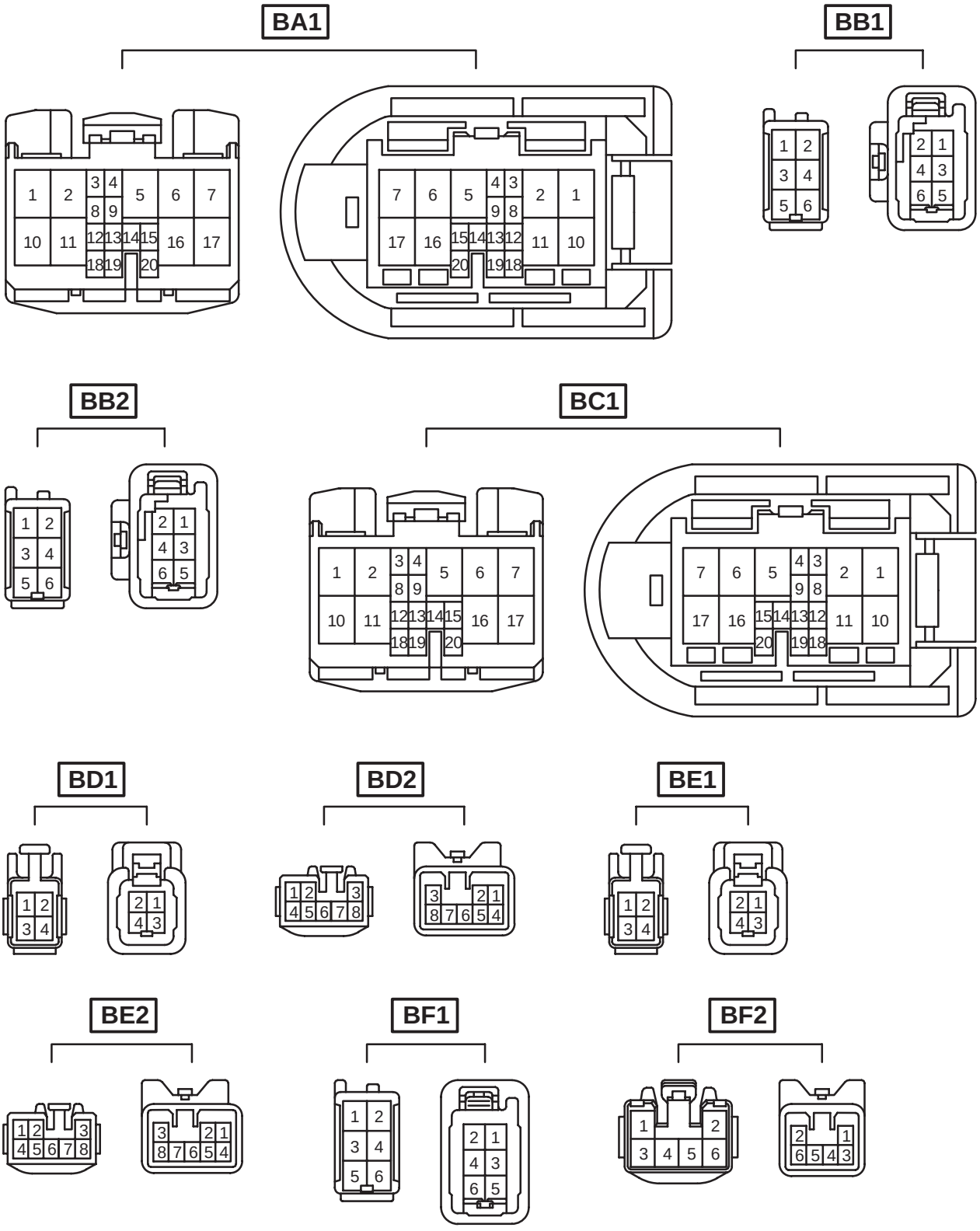

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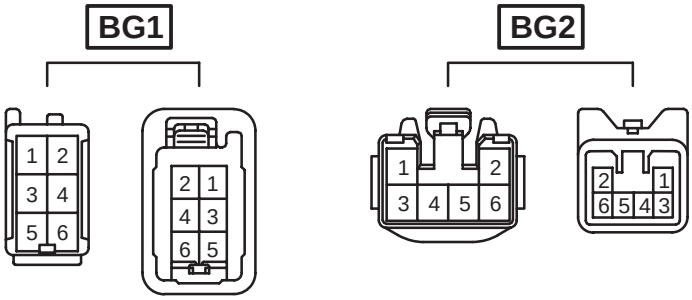

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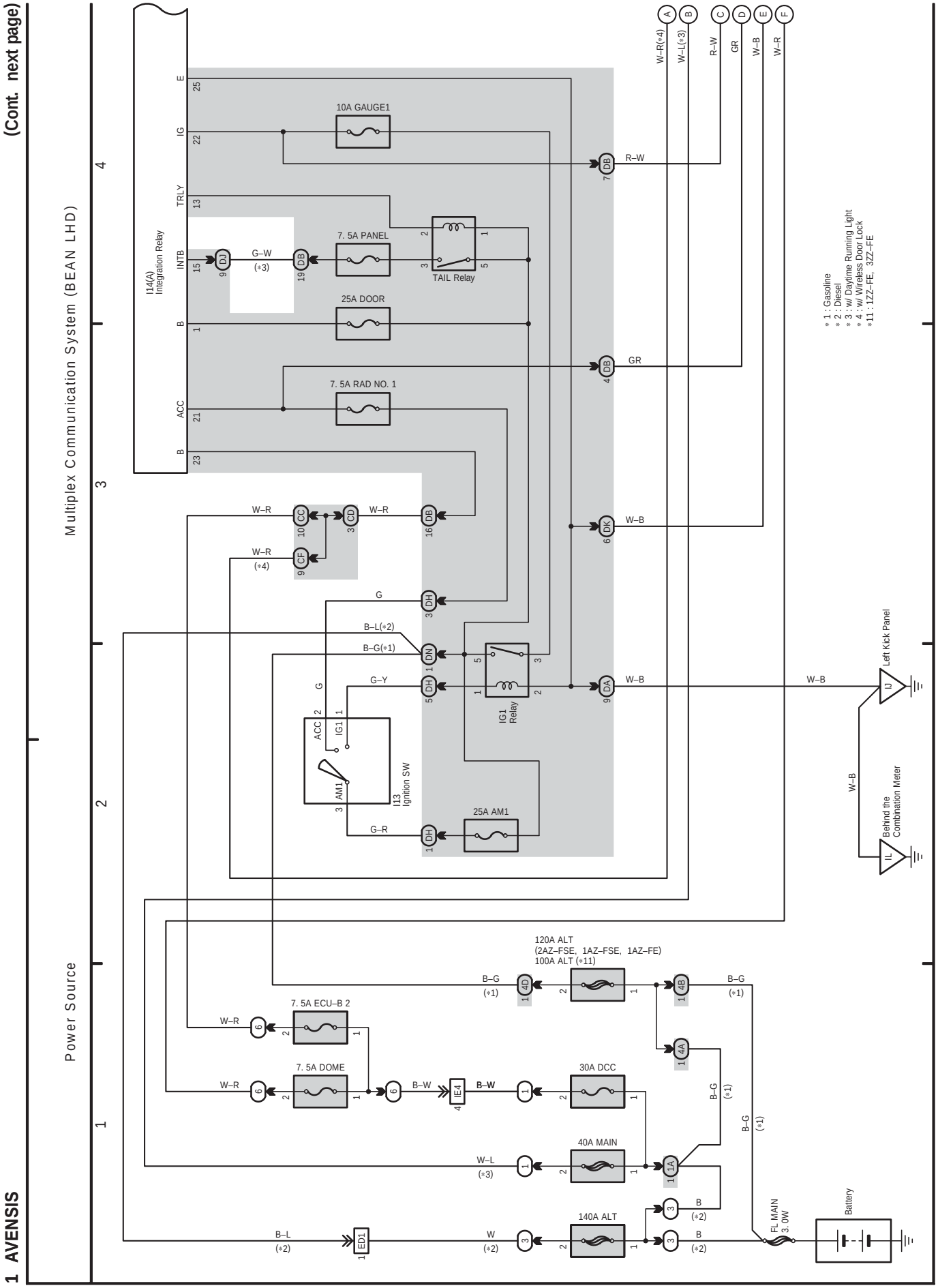
(Cont. next page)
1 AVENSIS
Power Source
Multiplex Communication System (BEAN LHD)
I14(A) Integration Relay
10A GAUGE1
7. 5A PANEL
25A DOOR
7. 5A RAD NO. 1
TAIL Relay
IG1 Relay
I13 Ignition SW
25A AM1
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE) 100A ALT (*11)
7. 5A ECU–B 2
7. 5A DOME
30A DCC
40A MAIN
140A ALT
FL MAIN 3. 0W
Battery
Left Kick Panel
Behind the Combination Meter
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
*11 : 1ZZ–FE, 3ZZ–FE

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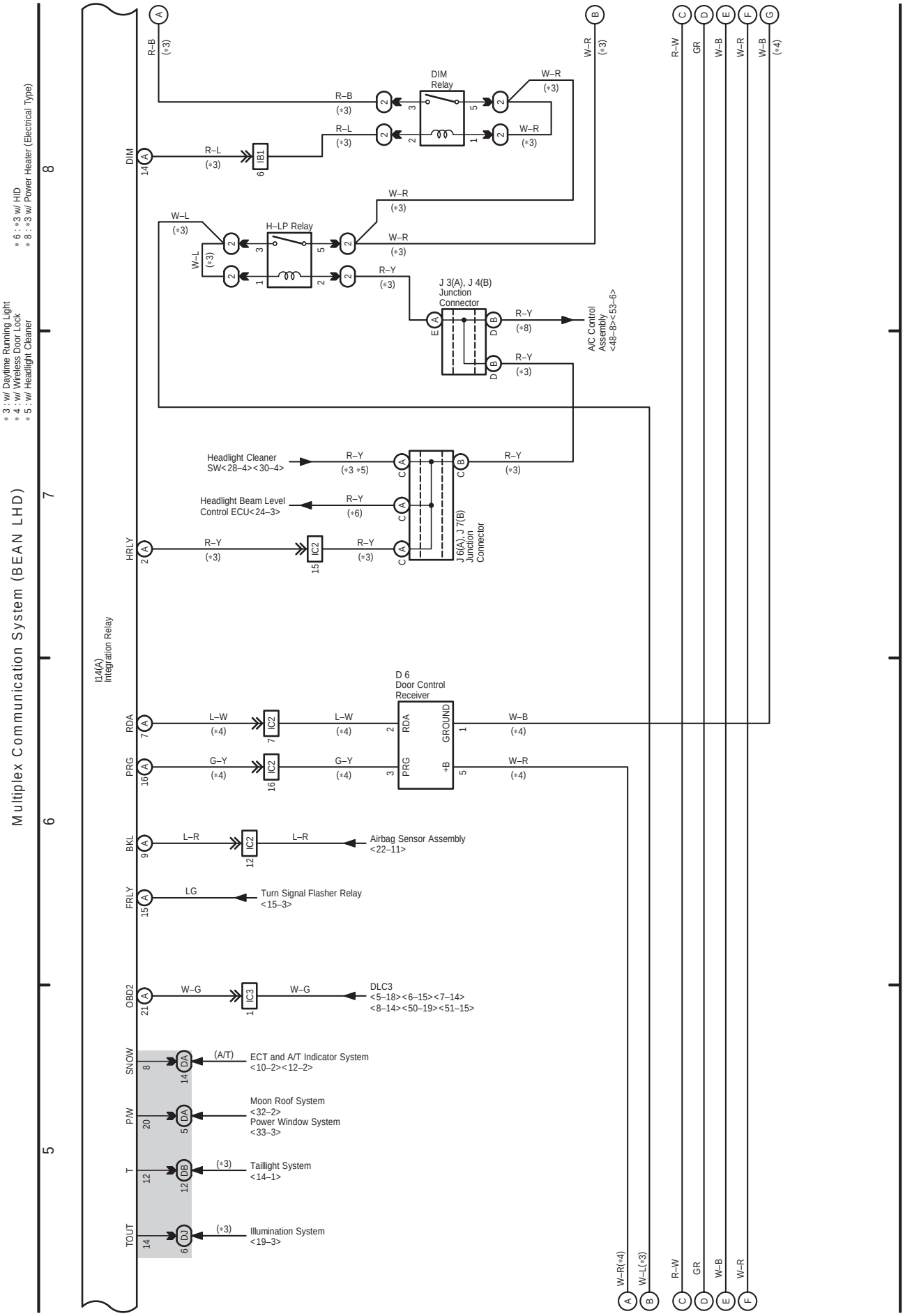
1 AVENSIS (Cont' d)

(Cont. next page)



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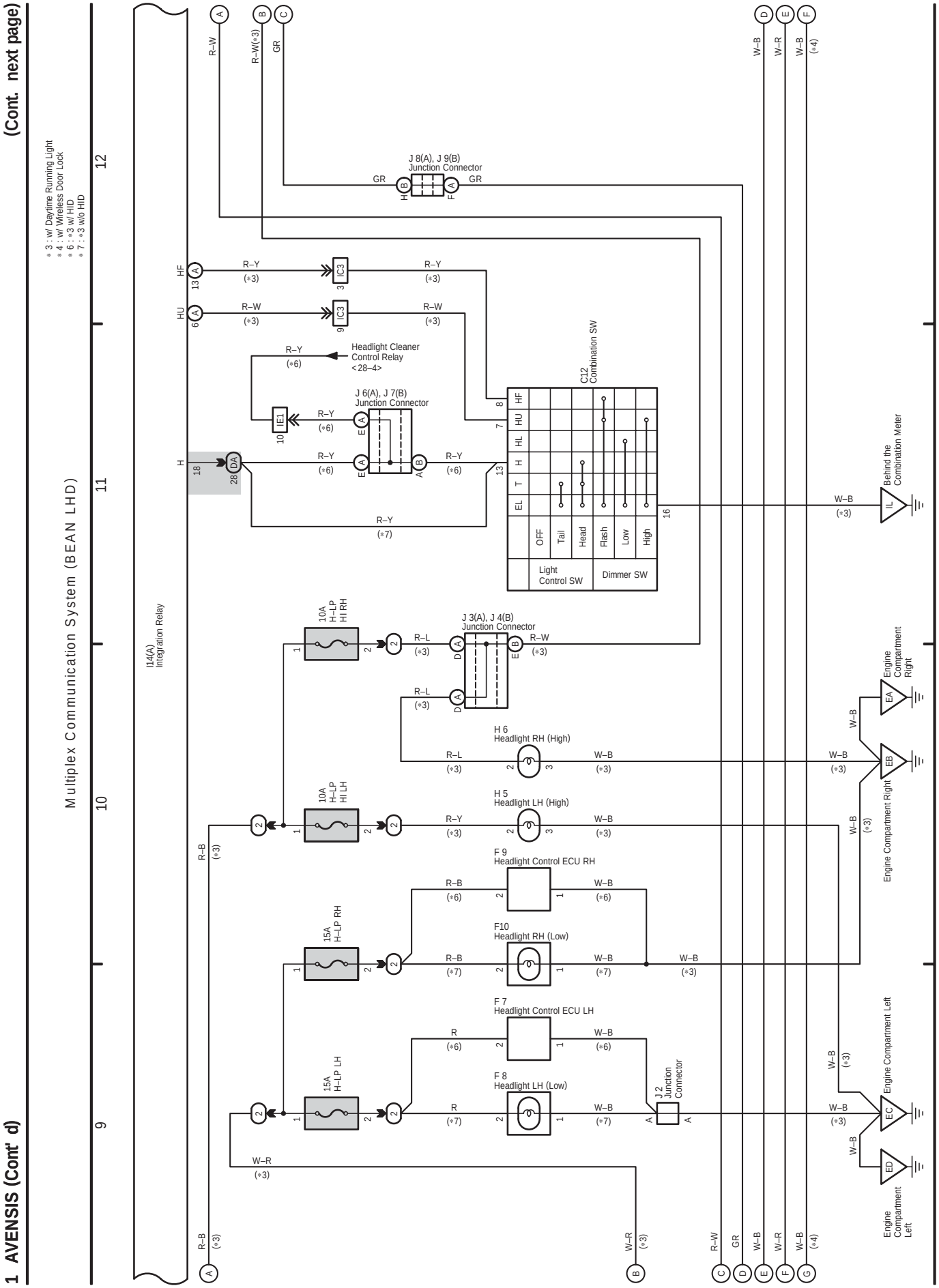
(Cont. next page)
1 AVENSIS (Cont' d)
12
11
10
9
Multiplex Communication System (BEAN LHD)
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
* 6 : *3 w/ HID
* 7 : *3 w/o HID
I14(A) Integration Relay
J 8(A), J 9(B) Junction Connector
Headlight Cleaner Control Relay <28–4>
J 6(A), J 7(B) Junction Connector
C12 Combination SW
Light Control SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
Behind the Combination Meter
J 3(A), J 4(B) Junction Connector
10A H–LP HI RH
10A H–LP HI LH
15A H–LP RH
15A H–LP LH
H 6 Headlight RH (High)
H 5 Headlight LH (High)
F 9 Headlight Control ECU RH
F10 Headlight RH (Low)
F 7 Headlight Control ECU LH
F 8 Headlight LH (Low)
J 2 Junction Connector
Engine Compartment Right
Engine Compartment Left

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1 AVENSIS (Cont' d)

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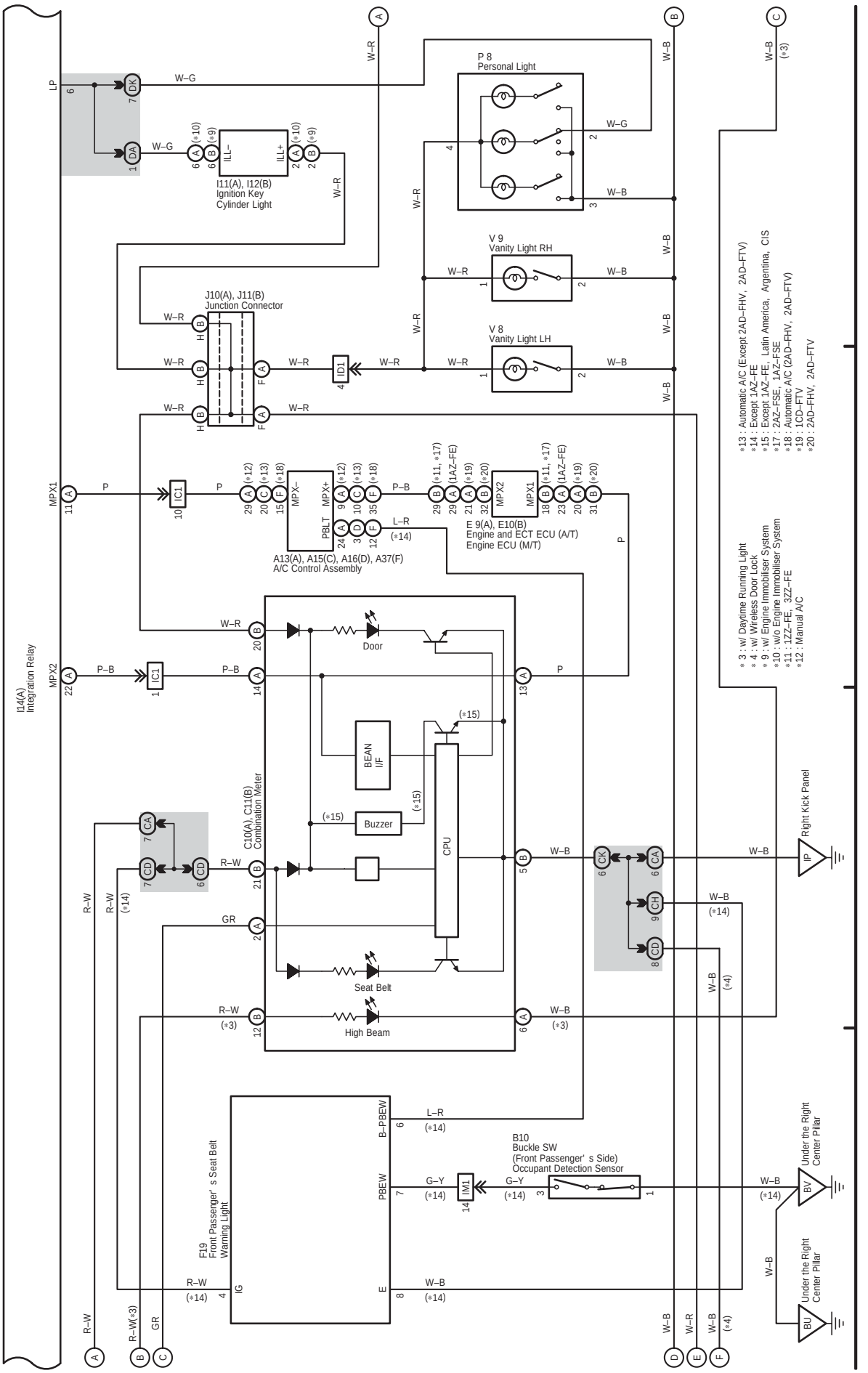
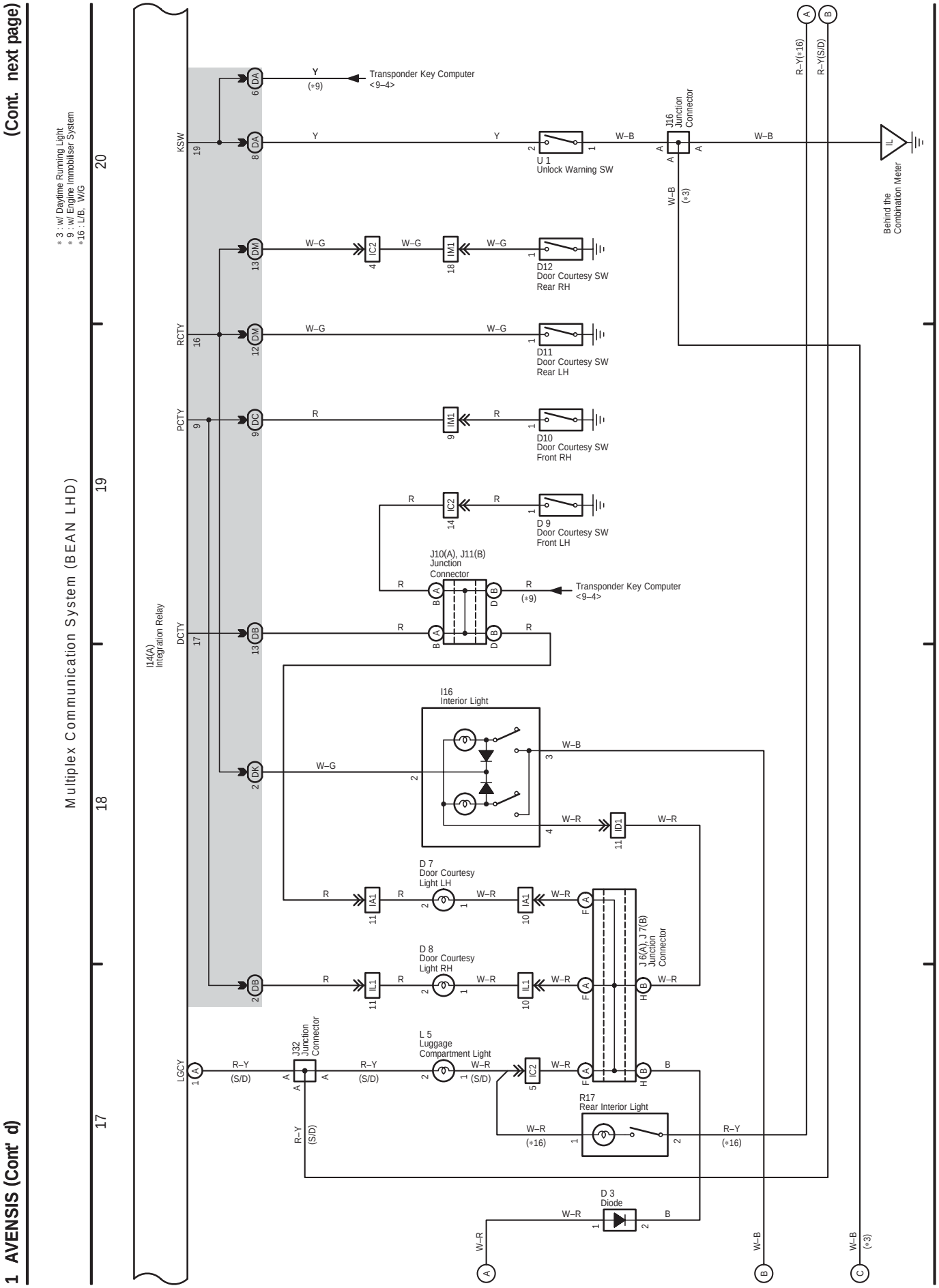


http://vnx.su


(Cont. next page)
1 AVENSIS (Cont' d)
Multiplex Communication System (BEAN LHD)
17
18
19
20
* 3 : w/ Daytime Running Light
* 9 : w/ Engine Immobiliser System
*16 : LHD, W/G
I14(A) Integration Relay
KSW
RCTY
PCTY
DCTY
LGCY
Transponder Key Computer <9–4>
U 1 Unlock Warning SW
J16 Junction Connector
Behind the Combination Meter
D12 Door Courtesy SW Rear RH
D11 Door Courtesy SW Rear LH
D10 Door Courtesy SW Front RH
D 9 Door Courtesy SW Front LH
J10(A), J11(B) Junction Connector
I16 Interior Light
D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
J6(A), J 7(B) Junction Connector
J32 Junction Connector
L 5 Luggage Compartment Light
R17 Rear Interior Light
D 3 Diode

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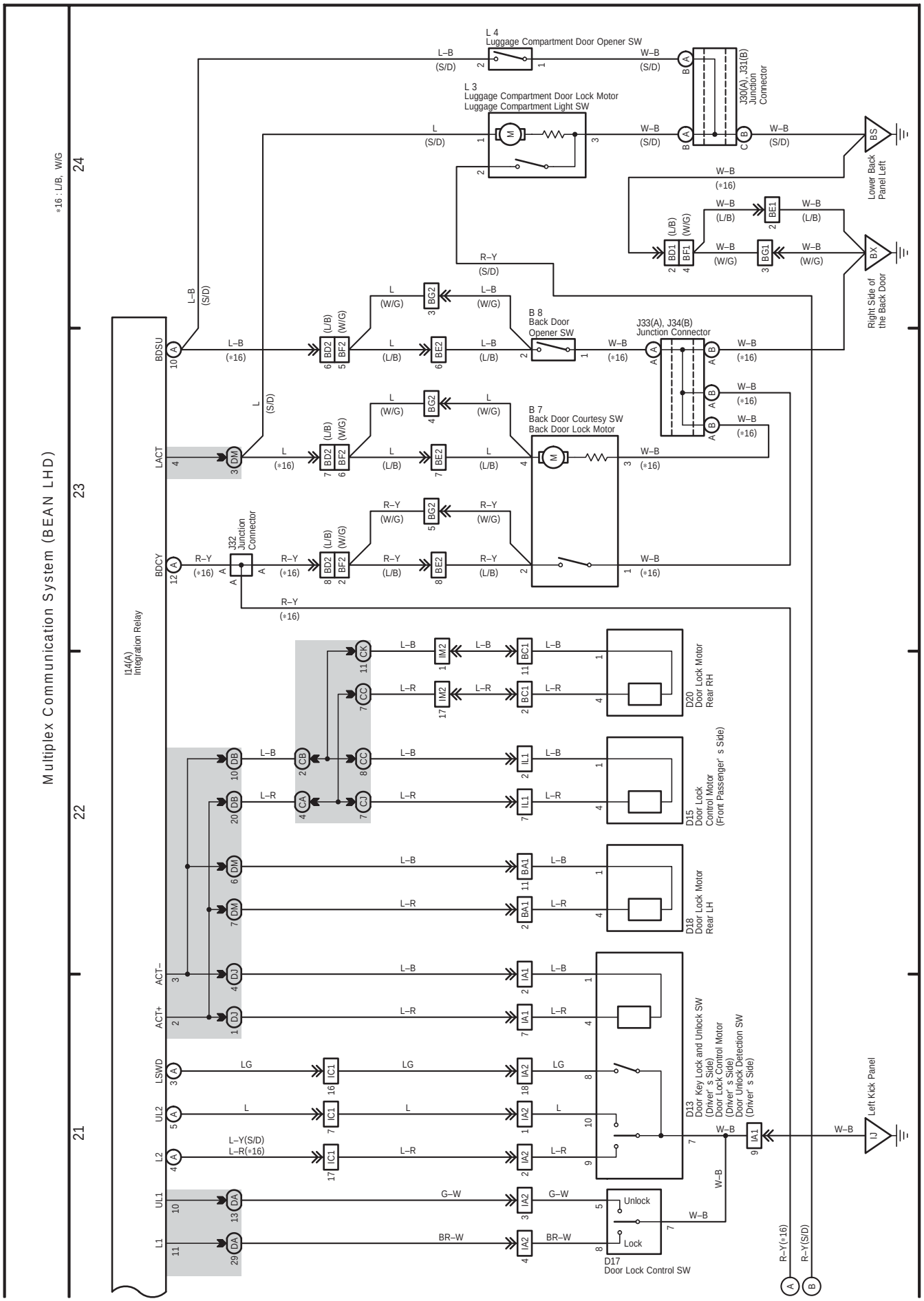
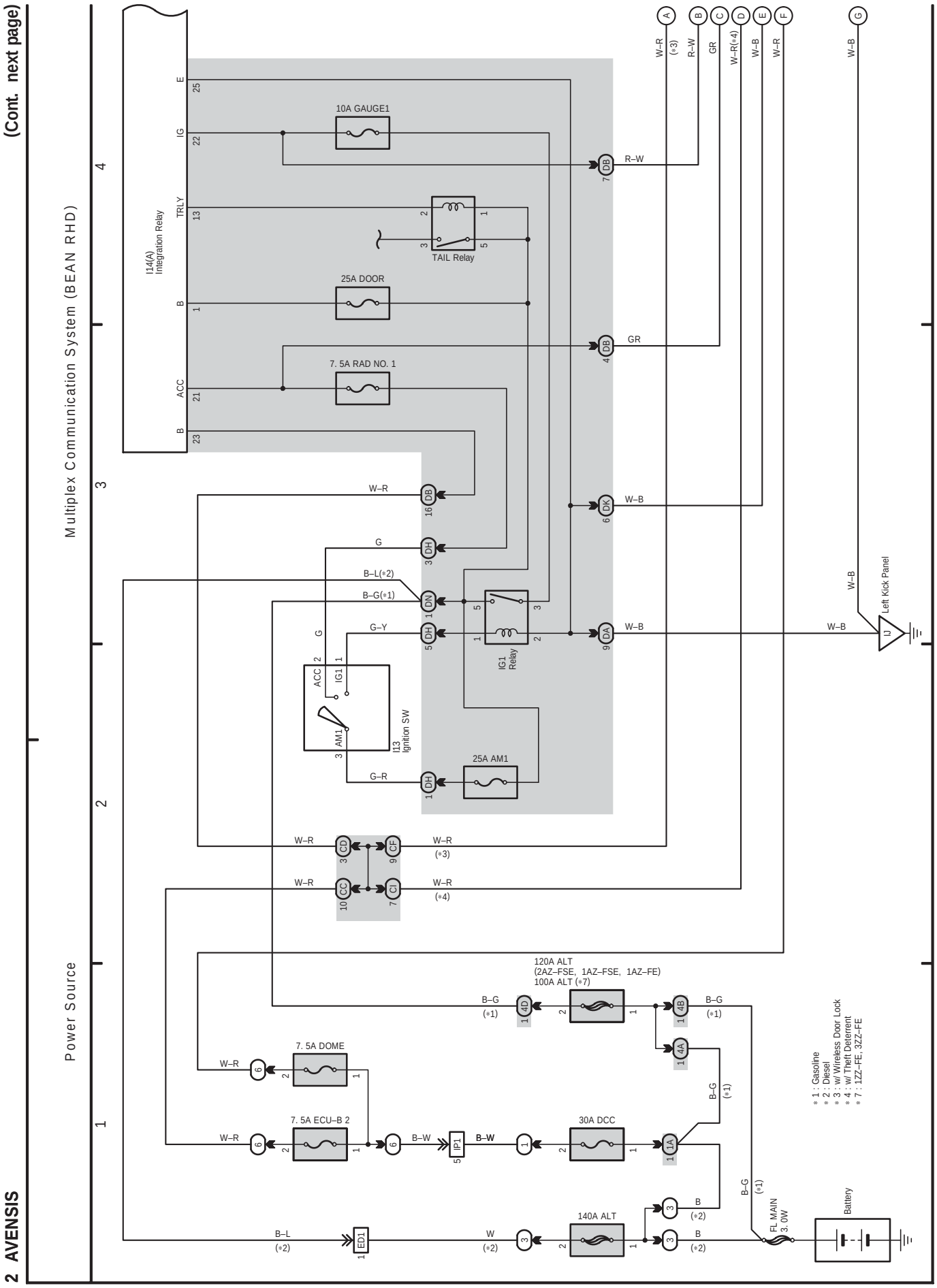
1 AVENSIS (Cont' d)



http://vnx.su


(Cont. next page)
Multiplex Communication System (BEAN RHD)
Power Source
2 AVENSIS
10A GAUGE1
25A DOOR
7. 5A RAD NO. 1
I14(A) Integration Relay
TAIL Relay
IG1 Relay
I13 Ignition SW
25A AM1
7. 5A DOME
7. 5A ECU–B 2
30A DCC
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE) 100A ALT (*7)
140A ALT
FL MAIN 3. 0W
Battery
Left Kick Panel
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Wireless Door Lock
* 4 : w/ Theft Deterrent
* 7 : 1ZZ–FE, 3ZZ–FE

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2 AVENSIS (Cont' d)

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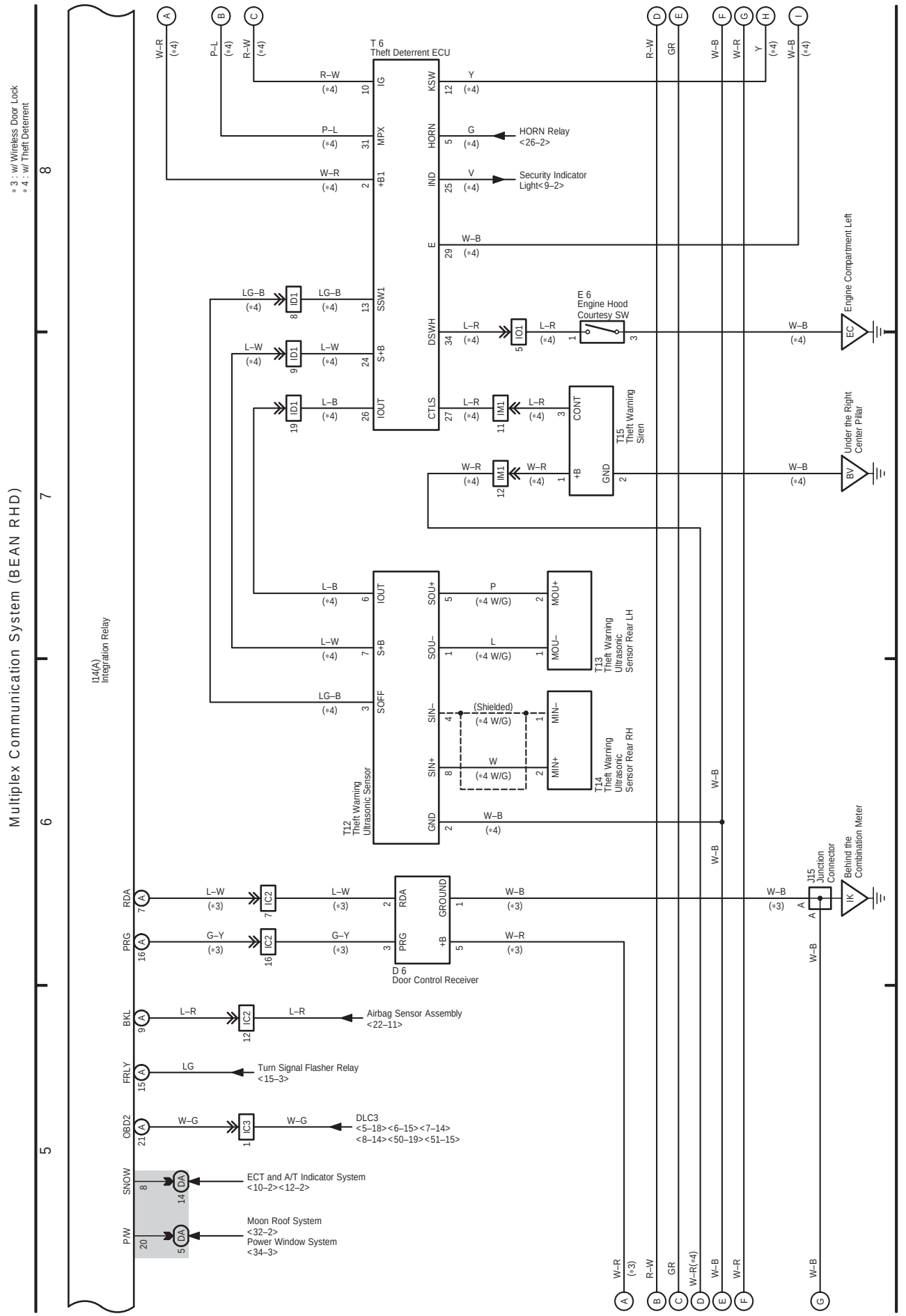

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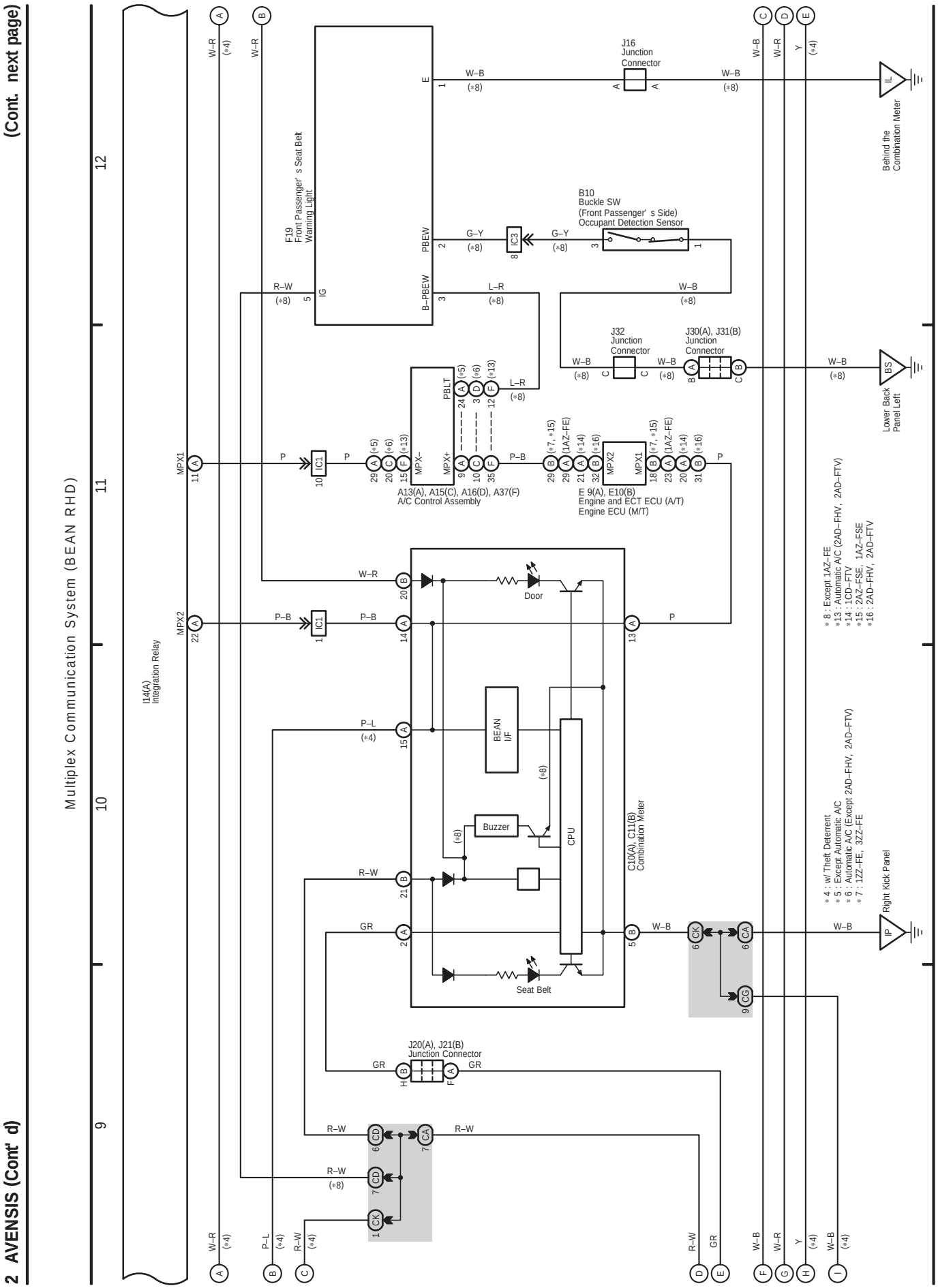
(Cont. next page)
2 AVENSIS (Cont' d)
9
10
11
12
Multiplex Communication System (BEAN RHD)
I14(A)
Integration Relay
F19
Front Passenger' s Seat Belt
Warning Light
B10
Buckle SW
(Front Passenger' s Side)
Occupant Detection Sensor
J16
Junction
Connector
Behind the
Combination Meter
J32
Junction
Connector
J30(A), J31(B)
Junction
Connector
Lower Back
Panel Left
A13(A), A15(C), A16(D), A37(F)
A/C Control Assembly
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
C10(A), C11(B)
Combination Meter
BEAN
I/F
CPU
Buzzer
Door
Seat Belt
J20(A), J21(B)
Junction Connector
Right Kick Panel
* 4 : w/ Theft Deterrent
* 5 : Except Automatic A/C
* 6 : Automatic A/C (Except 2AD–FHV, 2AD–FTV)
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : Except 1AZ–FE
*13 : Automatic A/C (2AD–FHV, 2AD–FTV)
*14 : 1CD–FTV
*15 : 2AZ–FSE, 1AZ–FSE
*16 : 2AD–FHV, 2AD–FTV

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2 AVENSIS (Cont' d)

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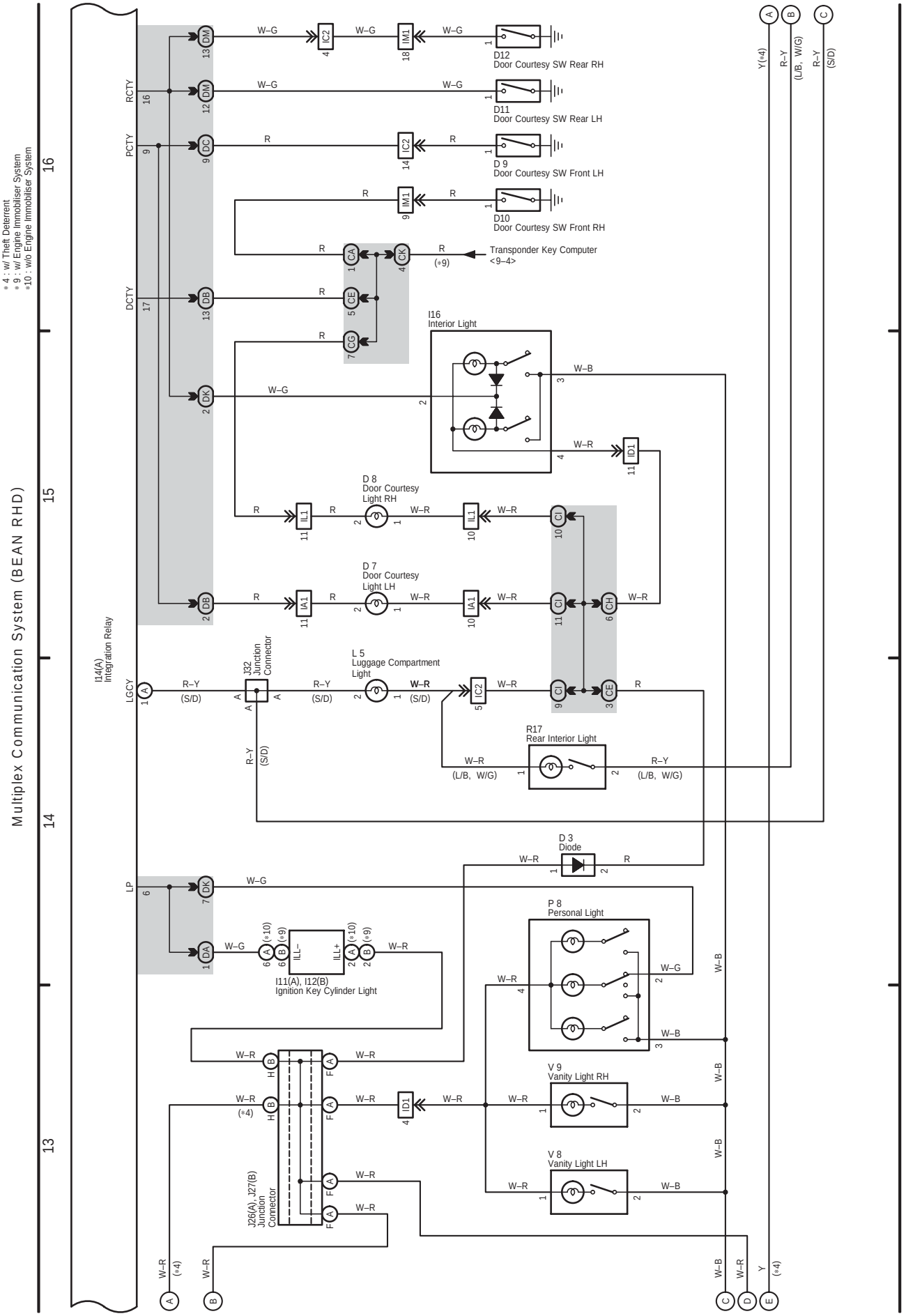

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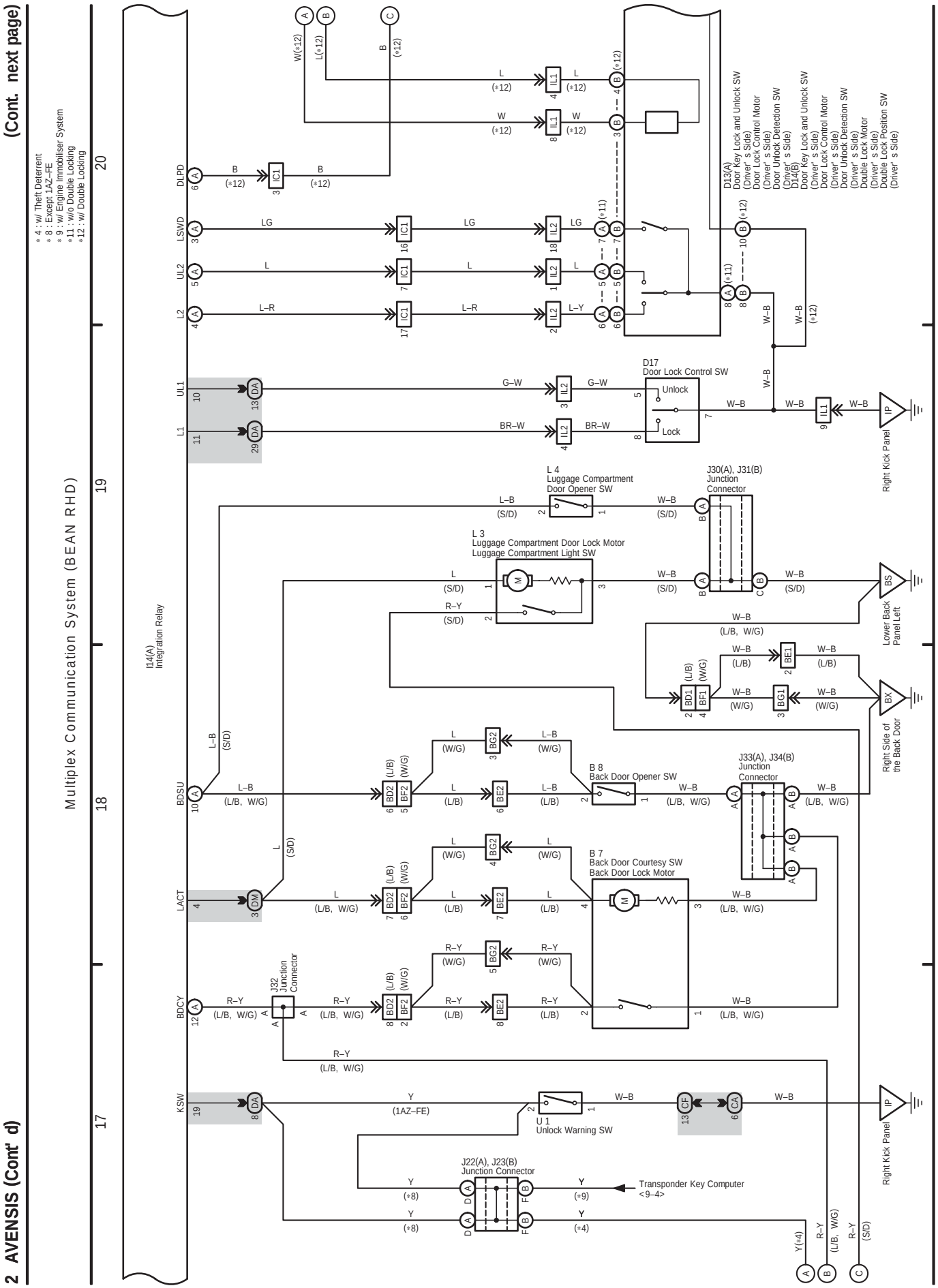
(Cont. next page)
2 AVENSIS (Cont' d)
Multiplex Communication System (BEAN RHD)
17
18
19
20
* 4 : w/ Theft Deterrent
* 8 : Except 1AZ–FE
* 9 : w/ Engine Immobiser System
*11 : w/o Double Locking
*12 : w/ Double Locking
I14(A) Integration Relay
D13(A) Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D14(B) Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D17 Door Lock Control SW
Unlock
Lock
Right Kick Panel
L 4 Luggage Compartment Door Opener SW
J30(A), J31(B) Junction Connector
L 3 Luggage Compartment Door Lock Motor Luggage Compartment Light SW
Lower Back Panel Left
Right Side of the Back Door
B 8 Back Door Opener SW
J33(A), J34(B) Junction Connector
B 7 Back Door Courtesy SW Back Door Lock Motor
J32 Junction Connector
U 1 Unlock Warning SW
J22(A), J23(B) Junction Connector
Transponder Key Computer
<9–4>

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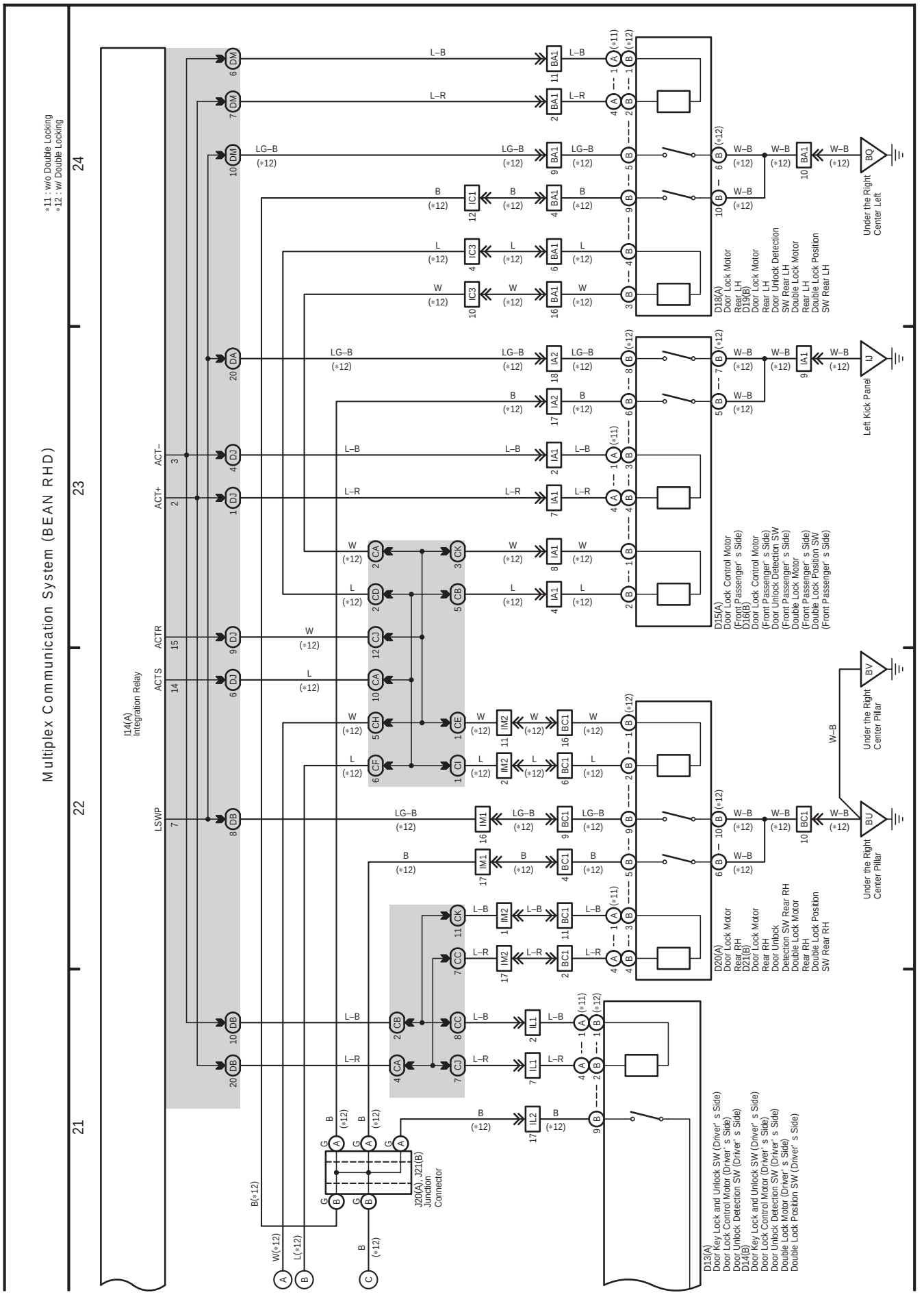
2 AVENSIS (Cont' d)



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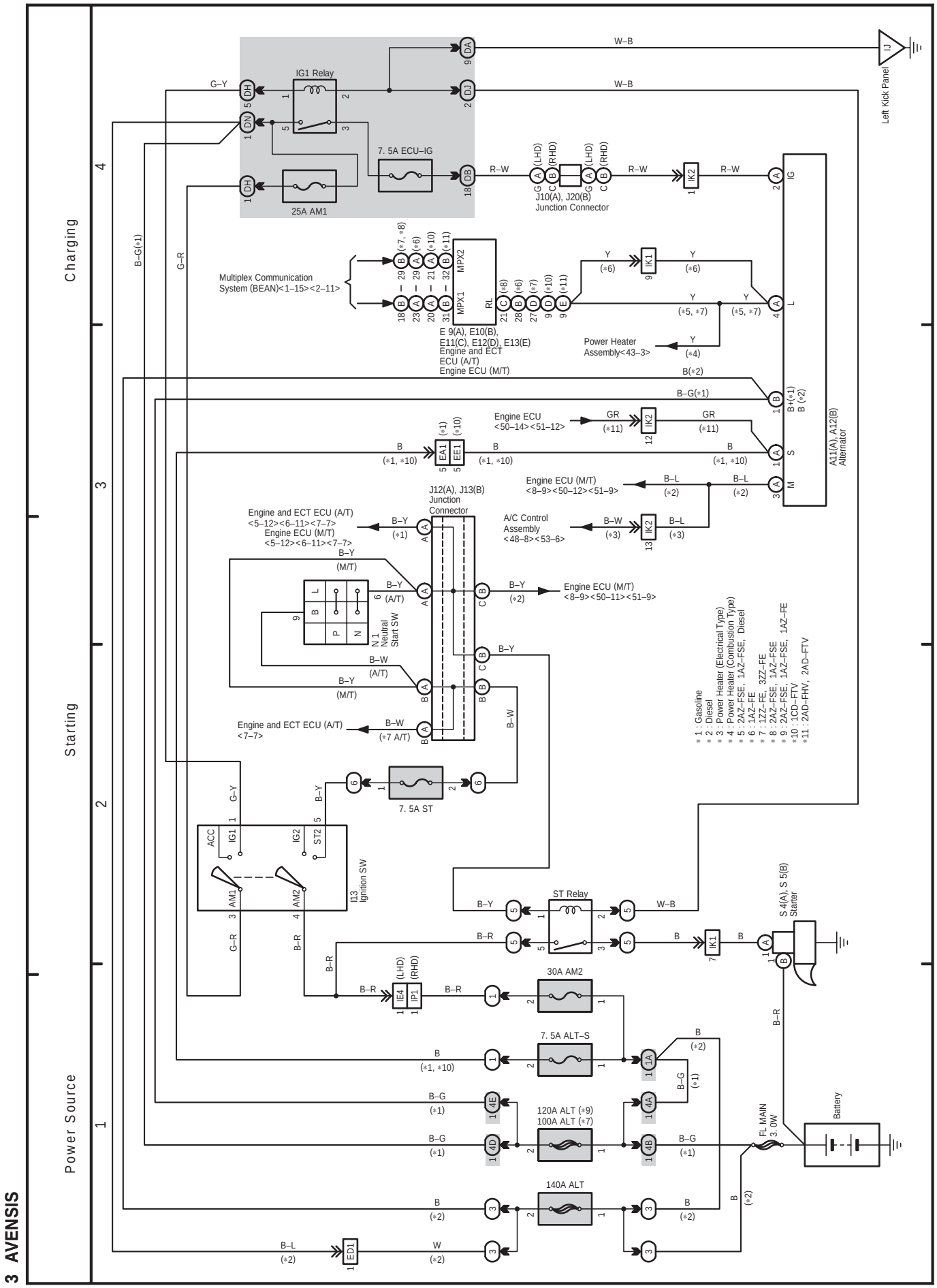
Charging
Starting
Power Source
IG1 Relay
25A AM1
7. 5A ECU–IG
J10(A), J20(B)
Junction Connector
Left Kick Panel
Multiplex Communication
System (BEAN)<1–15><2–11>
E 9(A), E10(B),
E11(C), E12(D), E13(E)
Engine and ECT
ECU (A/T)
Engine ECU (M/T)
Power Heater
Assembly<43–3>
Engine ECU
<50–14><51–12>
Engine ECU (M/T)
<8–9><50–12><51–9>
A11(A), A12(B)
Alternator
J12(A), J13(B)
Junction
Connector
Engine and ECT ECU (A/T)
<5–12><6–11><7–7>
Engine ECU (M/T)
<5–12><6–11><7–7>
A/C Control
Assembly
<48–8><53–6>
N1
Neutral
Start SW
Engine ECU (M/T)
<8–9><50–11><51–9>
Engine and ECT ECU (A/T)
<7–7>
7. 5A ST
I13
Ignition SW
ST Relay
S 4(A), S 5(B)
Starter
30A AM2
7. 5A ALT–S
120A ALT (*9)
100A ALT (*7)
140A ALT
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : Diesel
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 2AZ–FSE, 1AZ–FSE, Diesel
* 6 : 1AZ–FE
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : 2AZ–FSE, 1AZ–FSE
* 9 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*10 : 1CD–FTV
*11 : 2AD–FHV, 2AD–FTV

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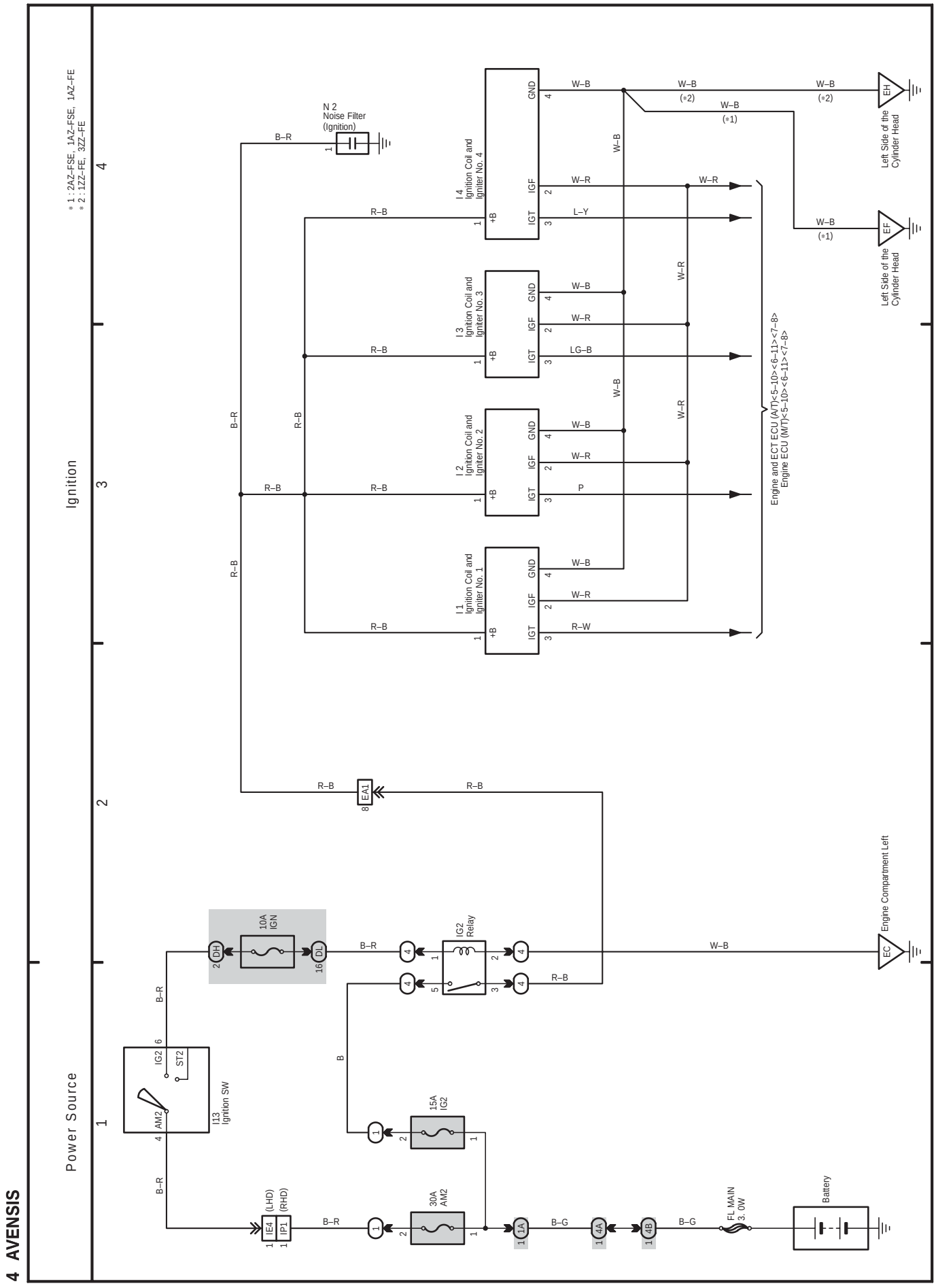
4 AVENSIS
Power Source
Ignition
1
2
3
4
* 1 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 2 : 1ZZ–FE, 3ZZ–FE
N 2
Noise Filter
(Ignition)
I 4
Ignition Coil and
Igniter No. 4
I 3
Ignition Coil and
Igniter No. 3
I 2
Ignition Coil and
Igniter No. 2
I 1
Ignition Coil and
Igniter No. 1
+B
IGT
IGF
GND
Engine and ECT ECU (A/T)<5–10><6–11><7–8>
Engine ECU (M/T)<5–10><6–11><7–8>
Left Side of the
Cylinder Head
EH
EF
EC
Engine Compartment Left
EA1
10A
IGN
IG2
Relay
15A
IG2
30A
AM2
I13
Ignition SW
IG2
ST2
AM2
IE4 (LHD)
IP1 (RHD)
1A
4A
4B
FL MAIN
3. 0W
Battery
B–R
R–B
W–B
W–R
L–Y
LG–B
P
R–W
B–G
B

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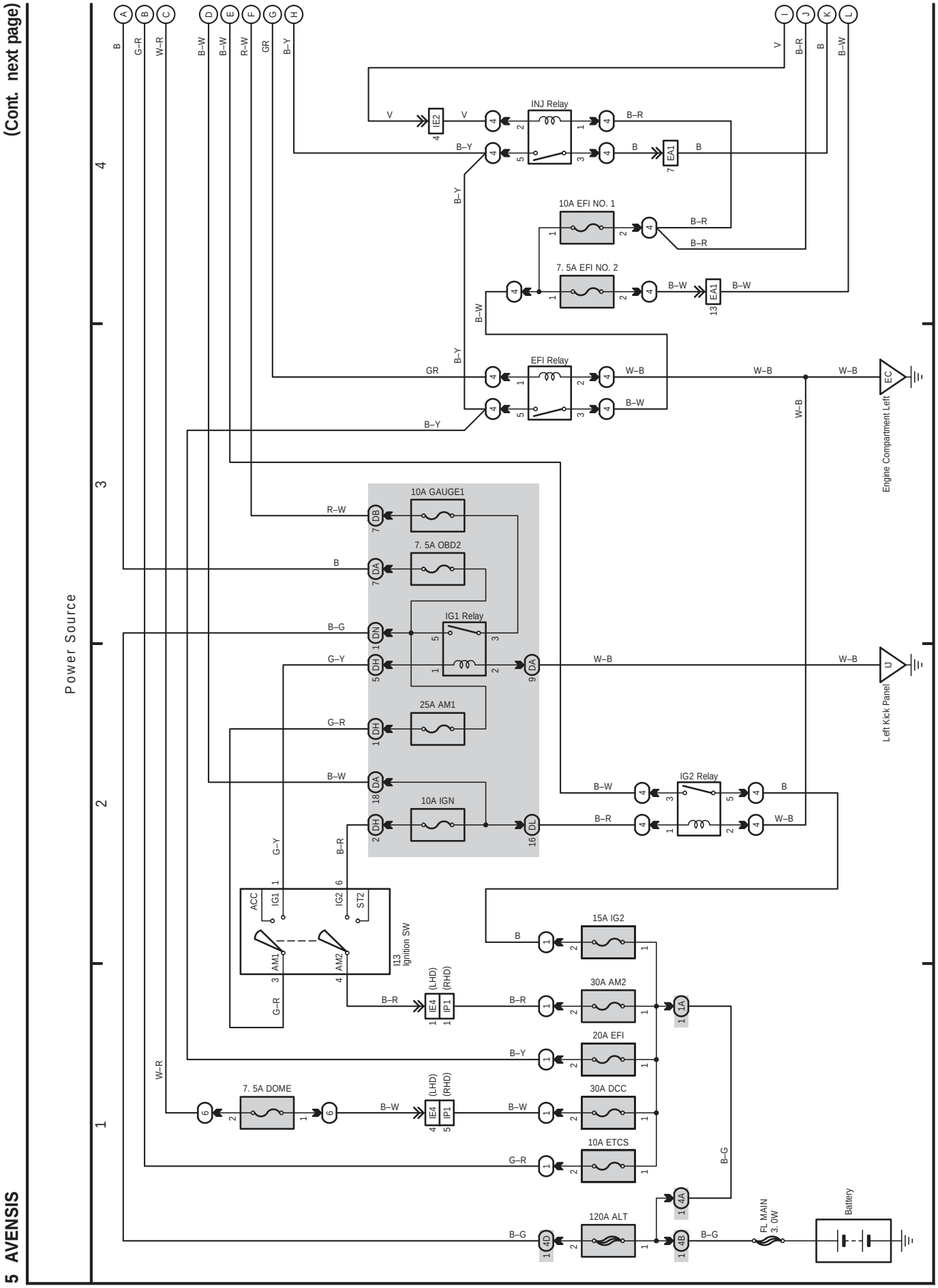
(Cont. next page)
5 AVENSIS
Power Source
INJ Relay
10A EFI NO. 1
7. 5A EFI NO. 2
EFI Relay
10A GAUGE1
7. 5A OBD2
IG1 Relay
25A AM1
10A IGN
IG2 Relay
15A IG2
30A AM2
20A EFI
30A DCC
10A ETCS
120A ALT
7. 5A DOME
I13 Ignition SW
Engine Compartment Left
Left Kick Panel
Battery
FL MAIN 3. 0W

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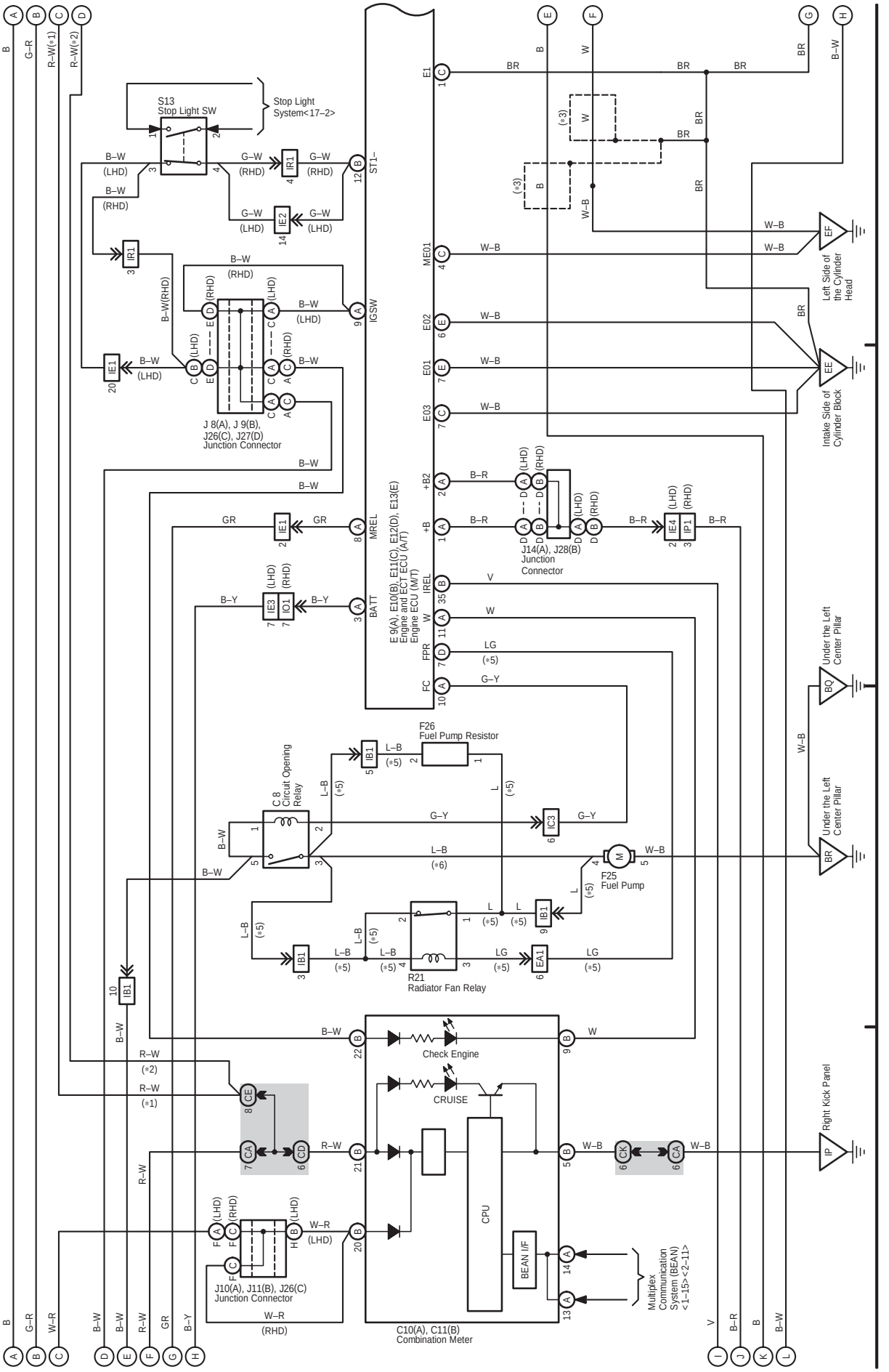
5 AVENSIS (Cont' d)

(Cont. next page)



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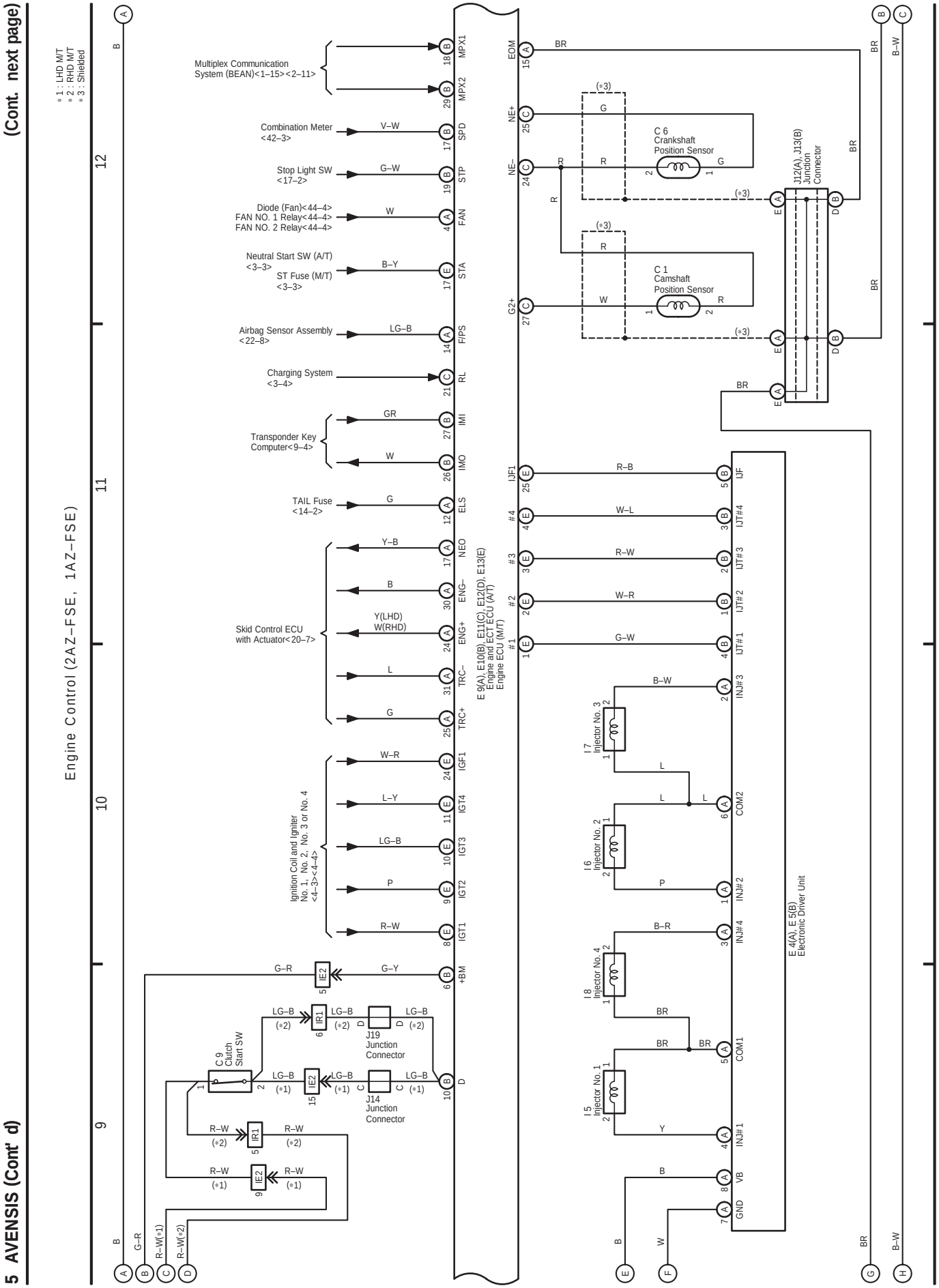
(Cont. next page)
5 AVENSIS (Cont' d)
Engine Control (2AZ–FSE, 1AZ–FSE)
*1 : LHD M/T
*2 : RHD M/T
*3 : Shielded
Multiplex Communication System (BEAN)<1–15><2–11>
Combination Meter <42–3>
Stop Light SW <17–2>
Diode (Fan)<44–4>
FAN NO. 1 Relay<44–4>
FAN NO. 2 Relay<44–4>
Neutral Start SW (A/T) <3–3>
ST Fuse (M/T) <3–3>
Airbag Sensor Assembly <22–8>
Charging System <3–4>
Transponder Key Computer<9–4>
TAIL Fuse <14–2>
Skid Control ECU with Actuator<20–7>
Ignition Coil and Igniter No. 1, No. 2, No. 3 or No. 4 <4–3><4–4>
C 9 Clutch Start SW
J19 Junction Connector
J14 Junction Connector
E 9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
E 4(A), E 5(B) Electronic Driver Unit
C 6 Crankshaft Position Sensor
C 1 Camshaft Position Sensor
J12(A), J13(B) Junction Connector
I 5 Injector No. 1
I 6 Injector No. 2
I 7 Injector No. 3
I 8 Injector No. 4

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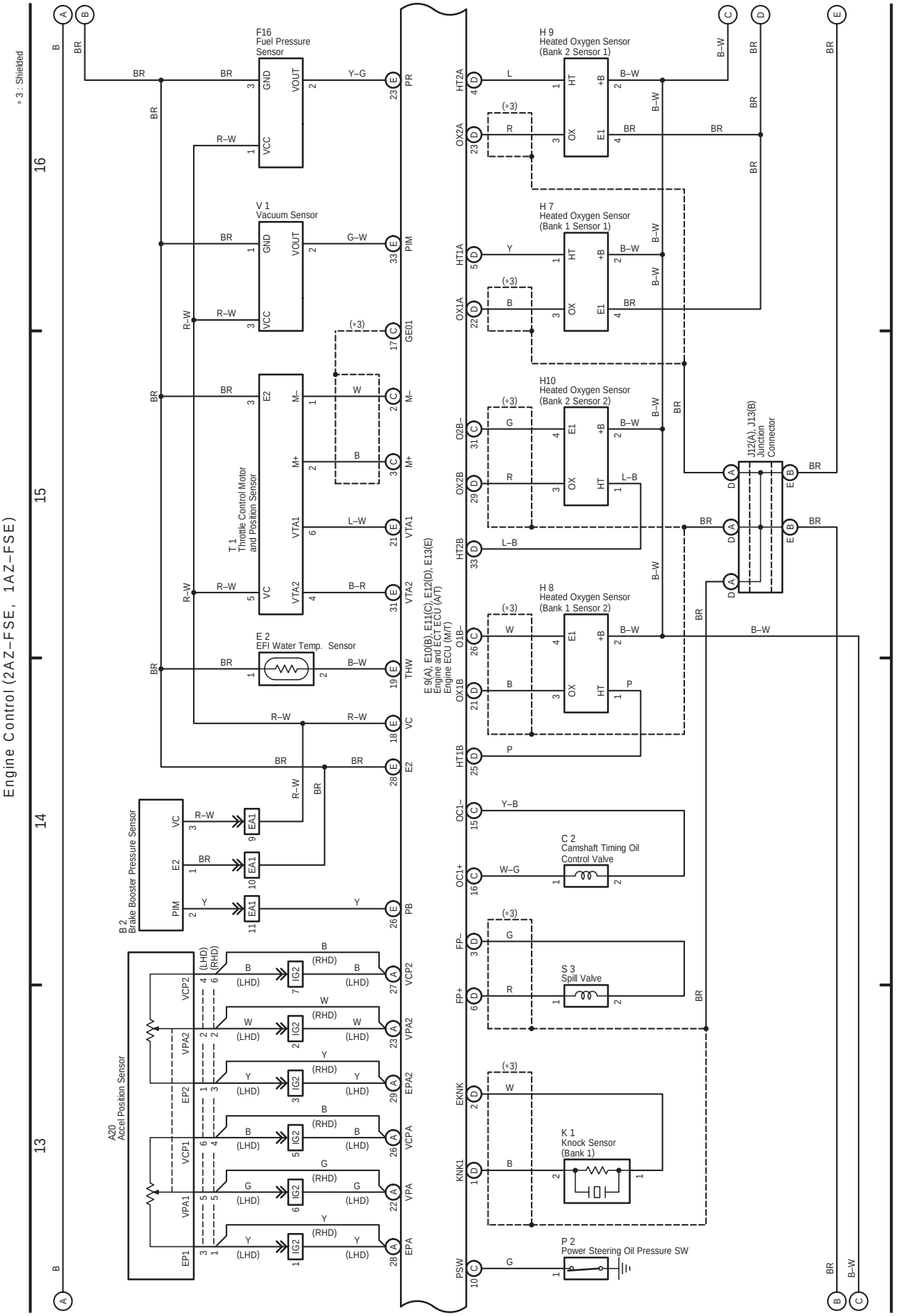
5 AVENSIS (Cont' d) (Cont. next page)



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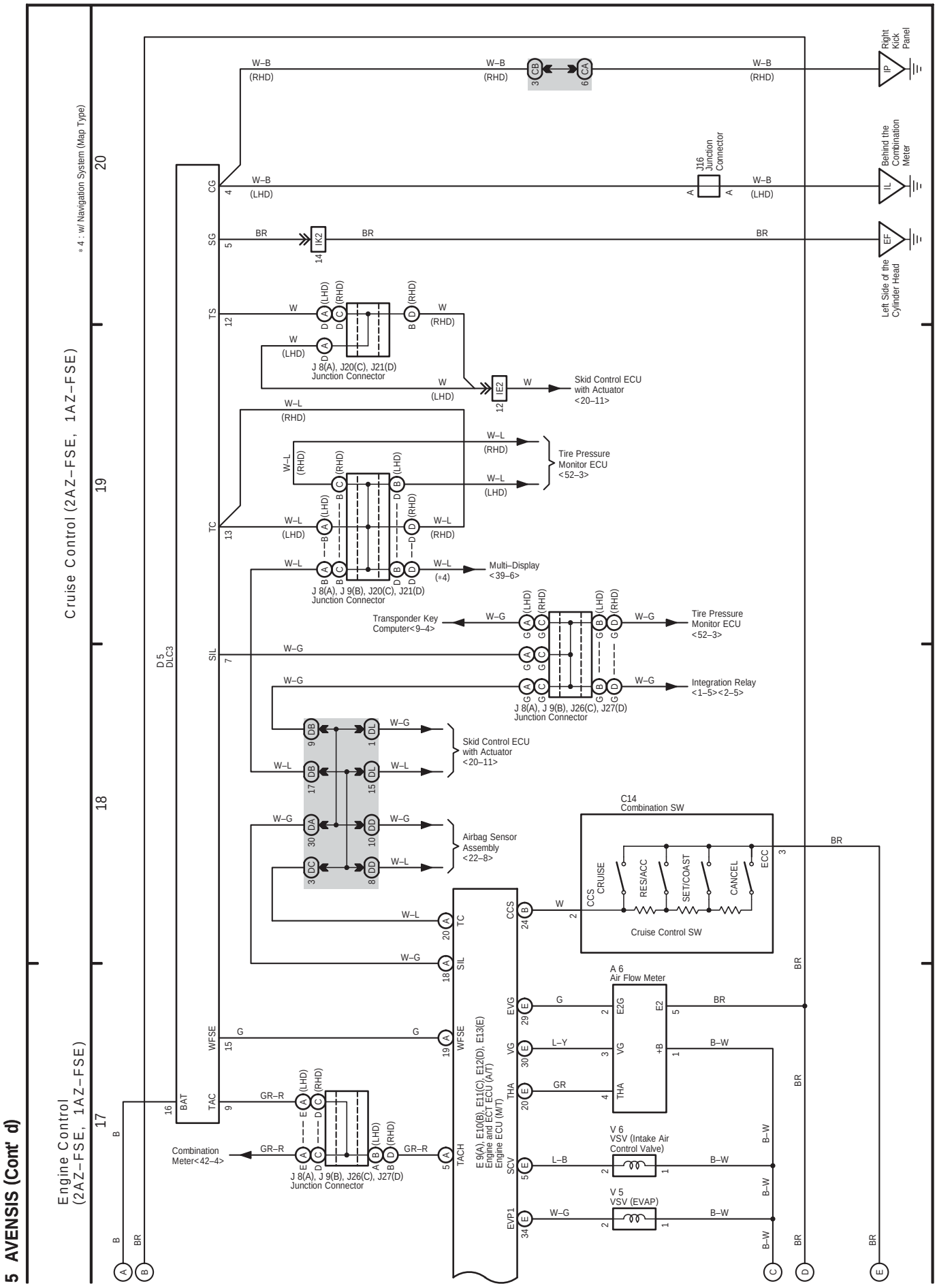
5 AVENSIS (Cont' d)
Engine Control (2AZ–FSE, 1AZ–FSE)
Cruise Control (2AZ–FSE, 1AZ–FSE)
17
18
19
20
* 4 : w/ Navigation System (Map Type)
Right Kick Panel
Behind the Combination Meter
Left Side of the Cylinder Head
J16 Junction Connector
D 5 DLC3
J 8(A), J20(C), J21(D) Junction Connector
Skid Control ECU with Actuator <20–11>
Tire Pressure Monitor ECU <52–3>
Multi–Display <39–6>
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
Transponder Key Computer<9–4>
Integration Relay <1–5><2–5>
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
Airbag Sensor Assembly <22–8>
C14 Combination SW
Cruise Control SW
A 6 Air Flow Meter
V 6 VSV (Intake Air Control Valve)
V 5 VSV (EVAP)
Combination Meter<42–4>
E 9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)

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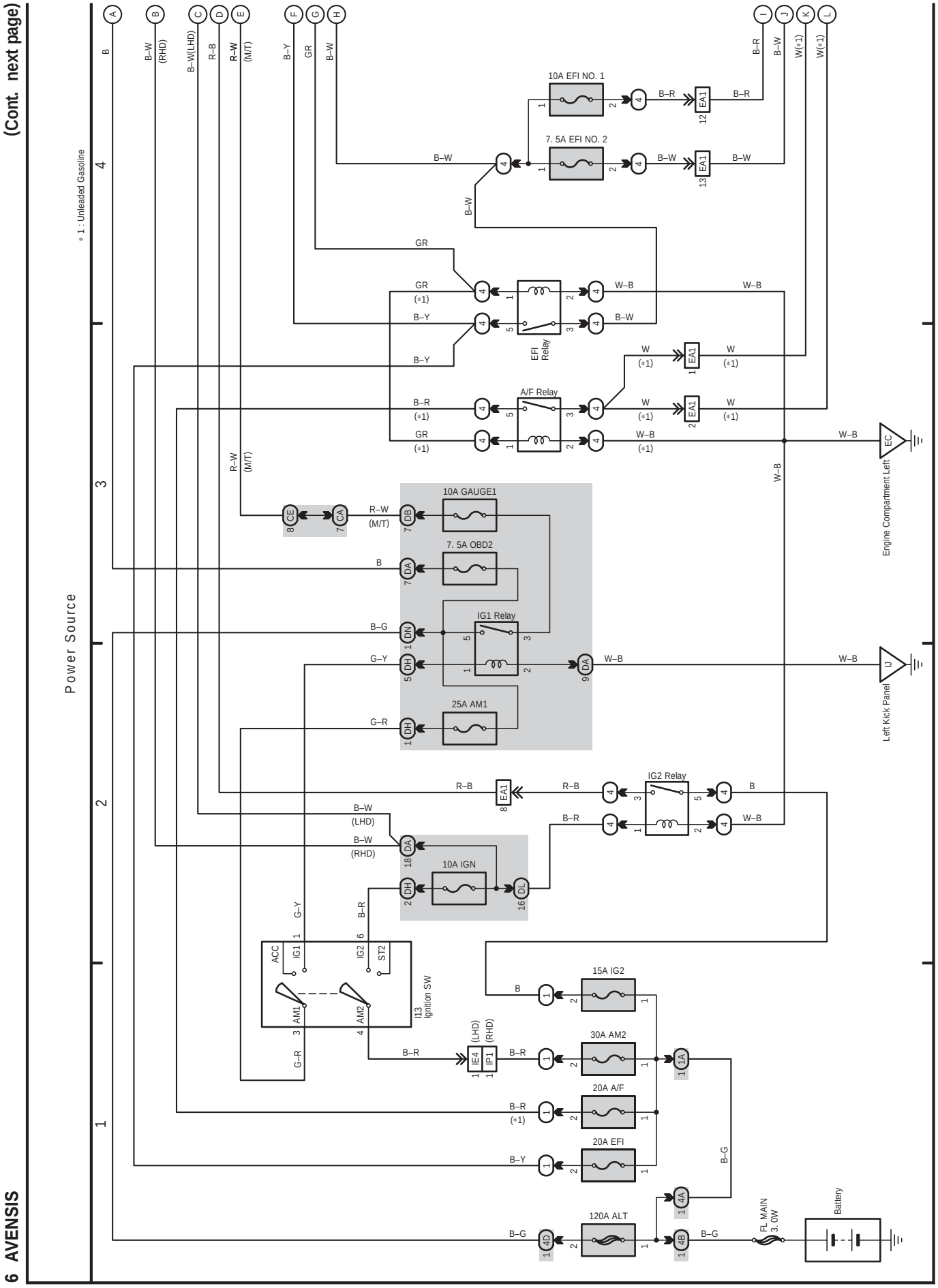
(Cont. next page)
6 AVENSIS
Power Source
* 1 : Unleaded Gasoline
10A EFI NO. 1
7. 5A EFI NO. 2
EFI Relay
A/F Relay
10A GAUGE1
7. 5A OBD2
IG1 Relay
25A AM1
IG2 Relay
10A IGN
Ignition SW
15A IG2
30A AM2
20A A/F
20A EFI
120A ALT
Engine Compartment Left
Left Kick Panel
Battery

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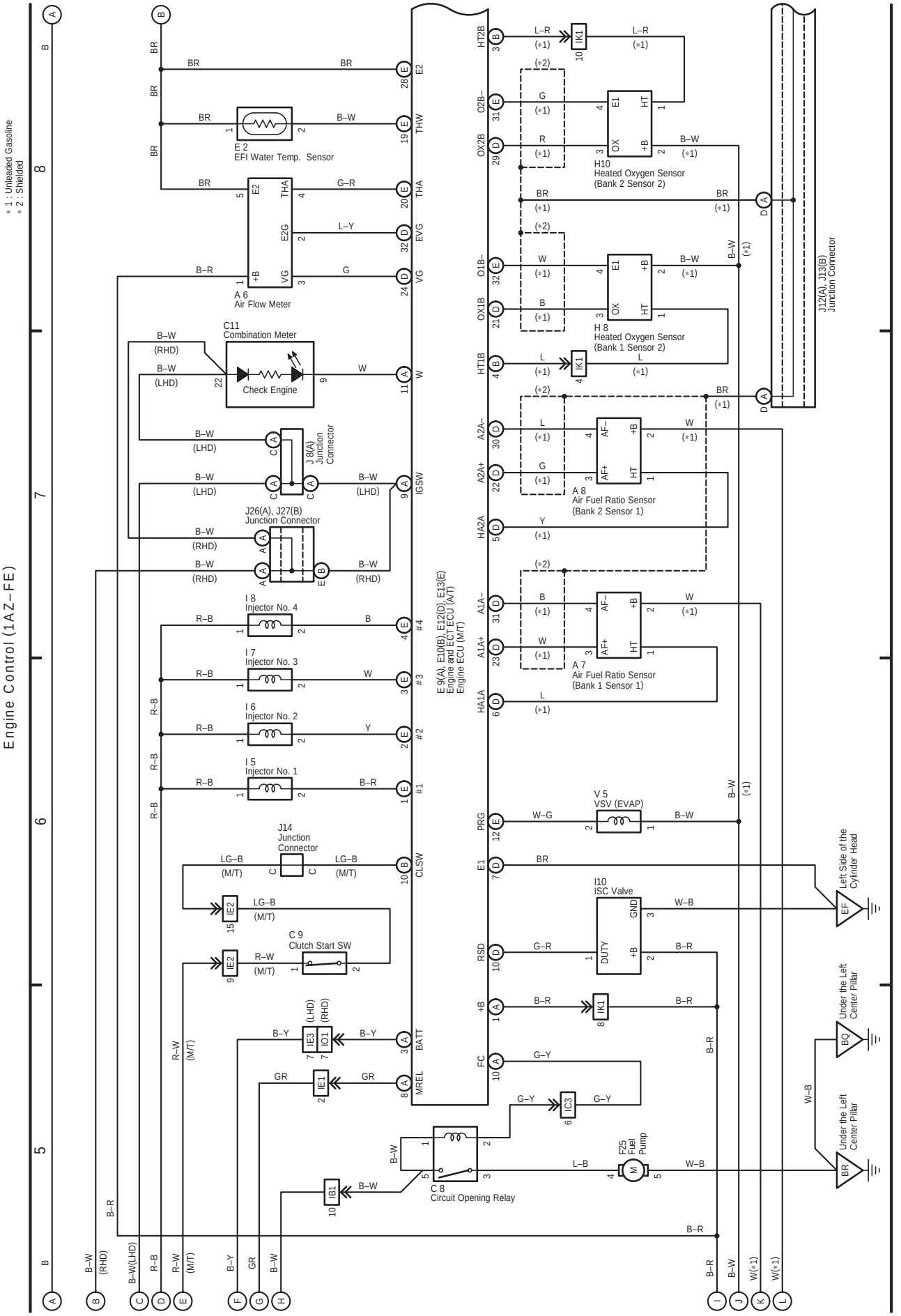
6 AVENSIS (Cont' d)

(Cont. next page)



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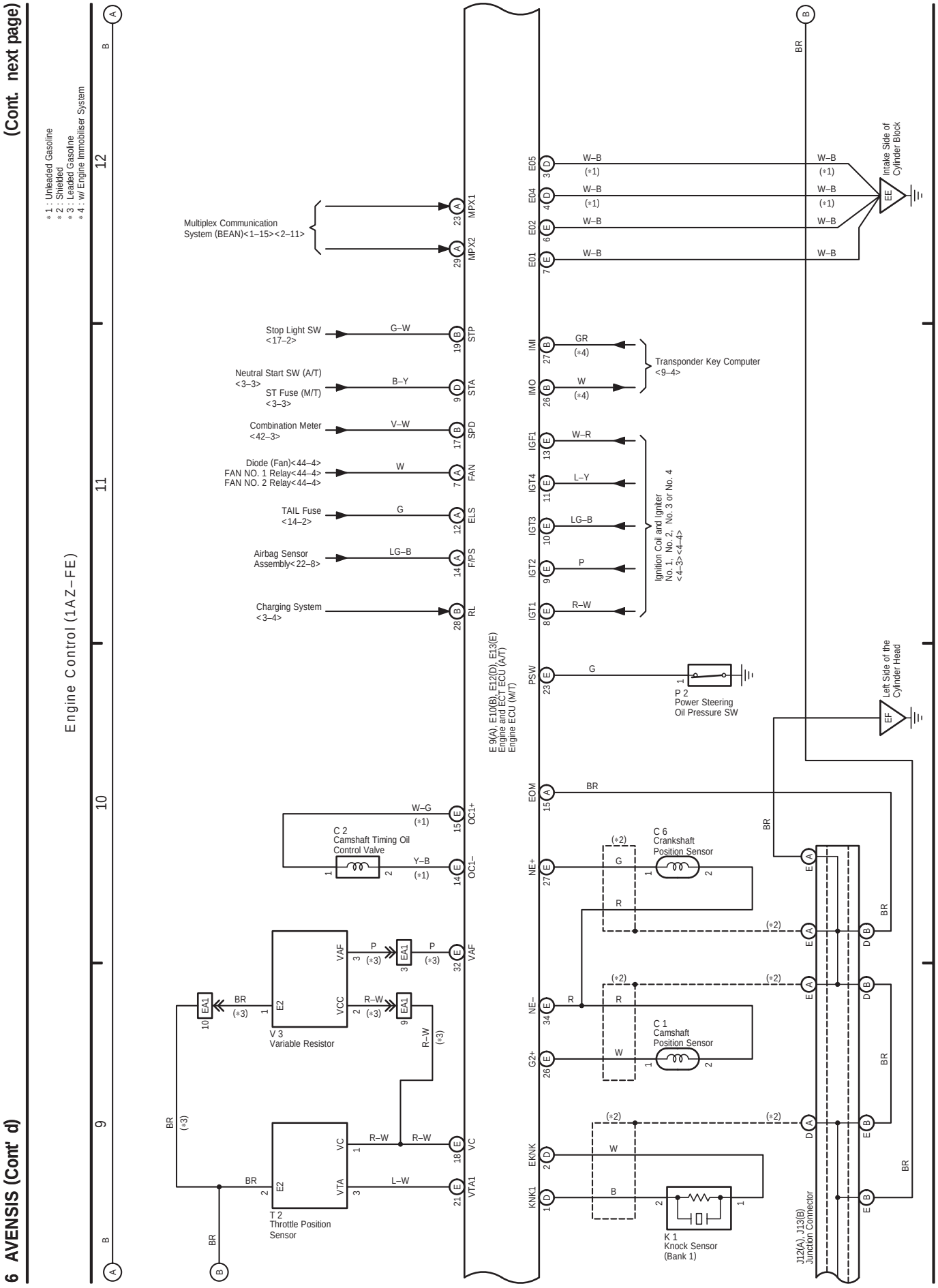
(Cont. next page)
6 AVENSIS (Cont' d)
Engine Control (1AZ–FE)
* 1 : Unleaded Gasoline
* 2 : Shielded
* 3 : Leaded Gasoline
* 4 : w/ Engine Immobiliser System
Multiplex Communication System (BEAN)<1–15><2–11>
Stop Light SW <17–2>
Neutral Start SW (A/T) <3–3>
ST Fuse (M/T) <3–3>
Combination Meter <42–3>
Diode (Fan)<44–4>
FAN NO. 1 Relay<44–4>
FAN NO. 2 Relay<44–4>
TAIL Fuse <14–2>
Airbag Sensor Assembly<22–8>
Charging System <3–4>
E 9(A), E10(B), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
Transponder Key Computer <9–4>
Ignition Coil and Igniter No. 1, No. 2, No. 3 or No. 4 <4–3> <4–4>
P 2 Power Steering Oil Pressure SW
C 2 Camshaft Timing Oil Control Valve
V 3 Variable Resistor
T 2 Throttle Position Sensor
C 6 Crankshaft Position Sensor
C 1 Camshaft Position Sensor
K 1 Knock Sensor (Bank 1)
Intake Side of Cylinder Block
Left Side of the Cylinder Head
J12(A), J13(B) Junction Connector

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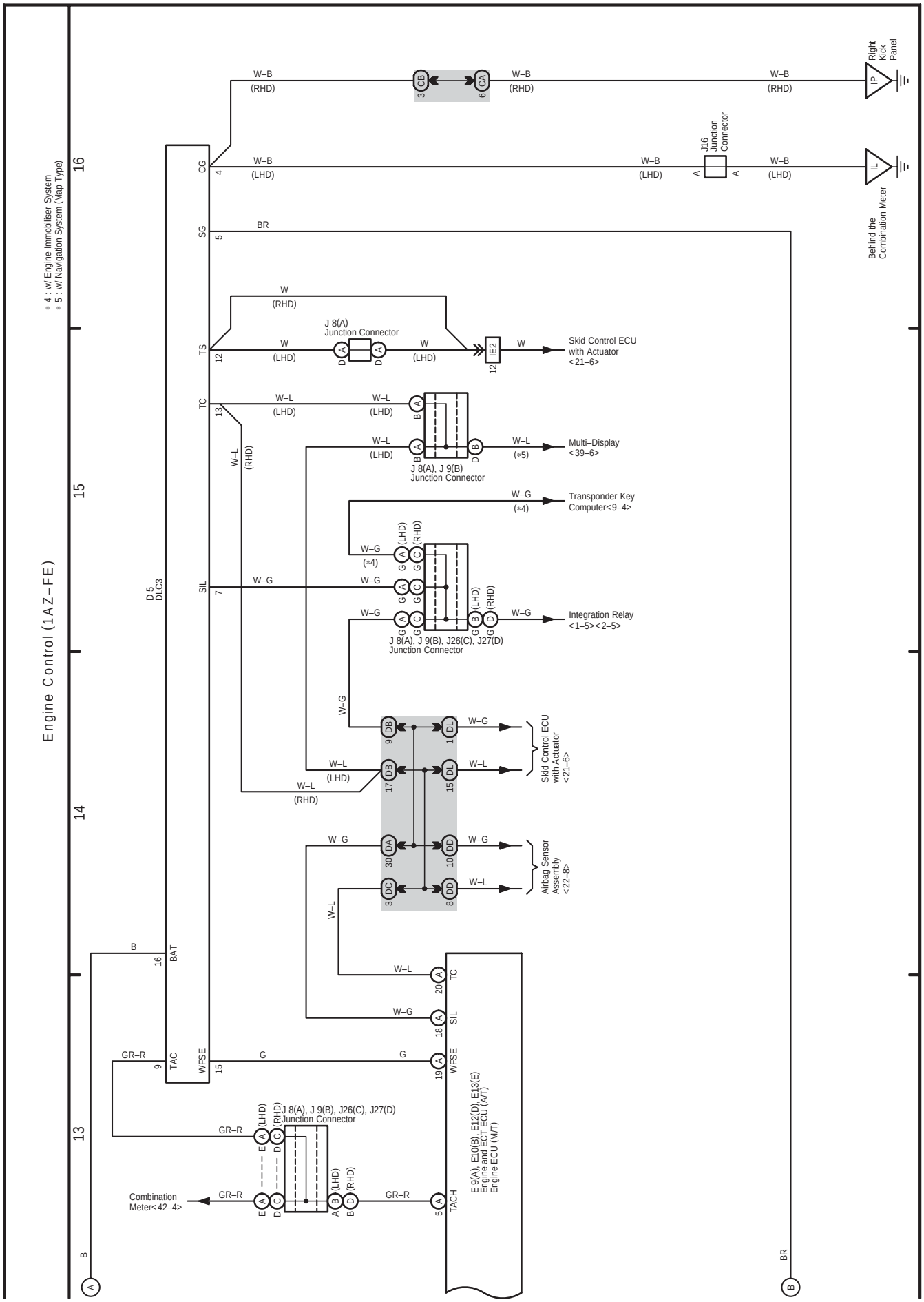
6 AVENSIS (Cont' d)



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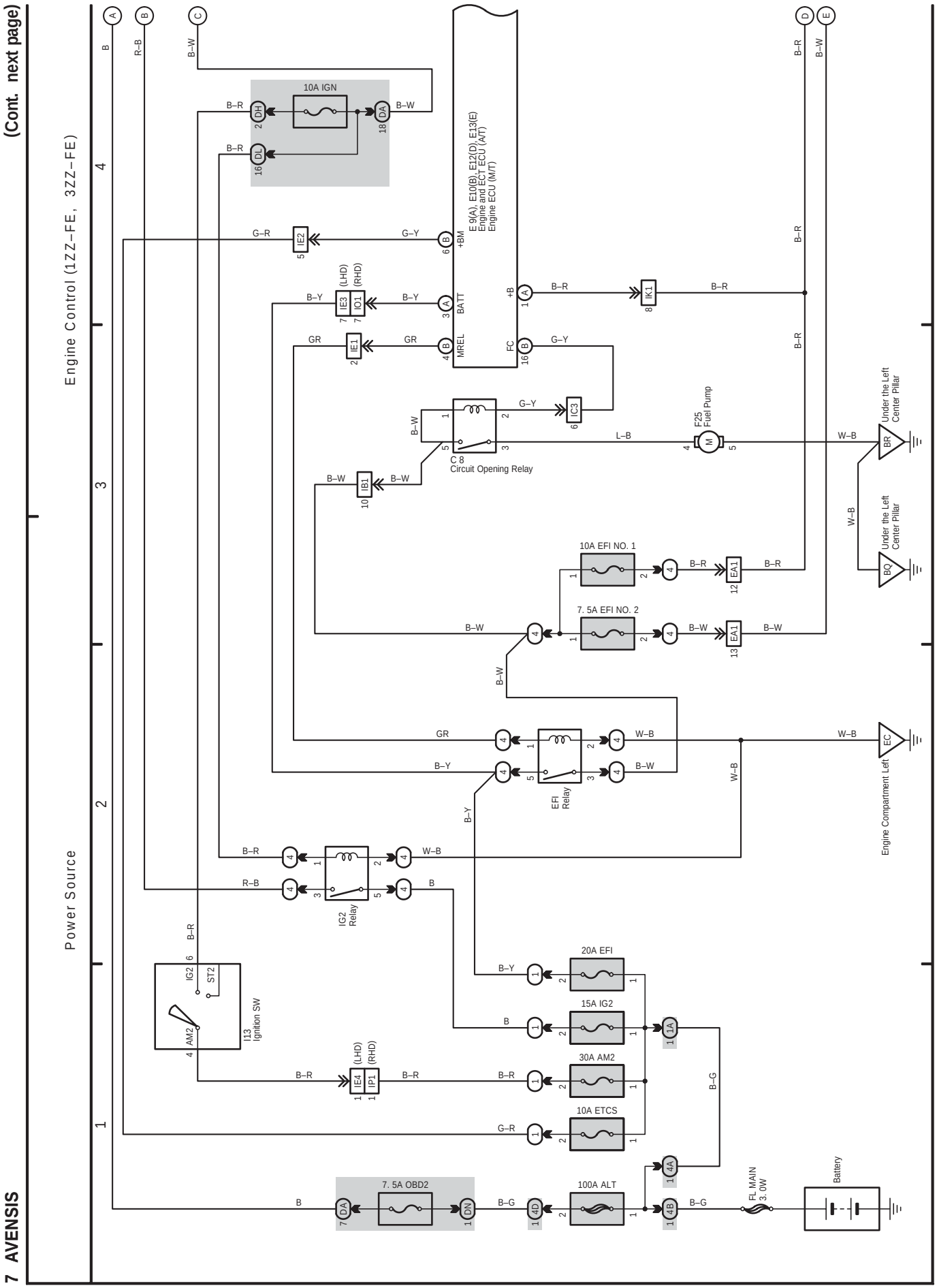
(Cont. next page)
Engine Control (1ZZ–FE, 3ZZ–FE)
Power Source
7 AVENSIS
10A IGN
E 9(A), E10(B), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
+BM
BATT
MREL
+B
FC
C 8
Circuit Opening Relay
F25
Fuel Pump
Under the Left
Center Pillar
10A EFI NO. 1
7. 5A EFI NO. 2
EFI
Relay
IG2
Relay
Engine Compartment Left
20A EFI
15A IG2
30A AM2
10A ETCS
7. 5A OBD2
100A ALT
I13
Ignition SW
FL MAIN
3. 0W
Battery

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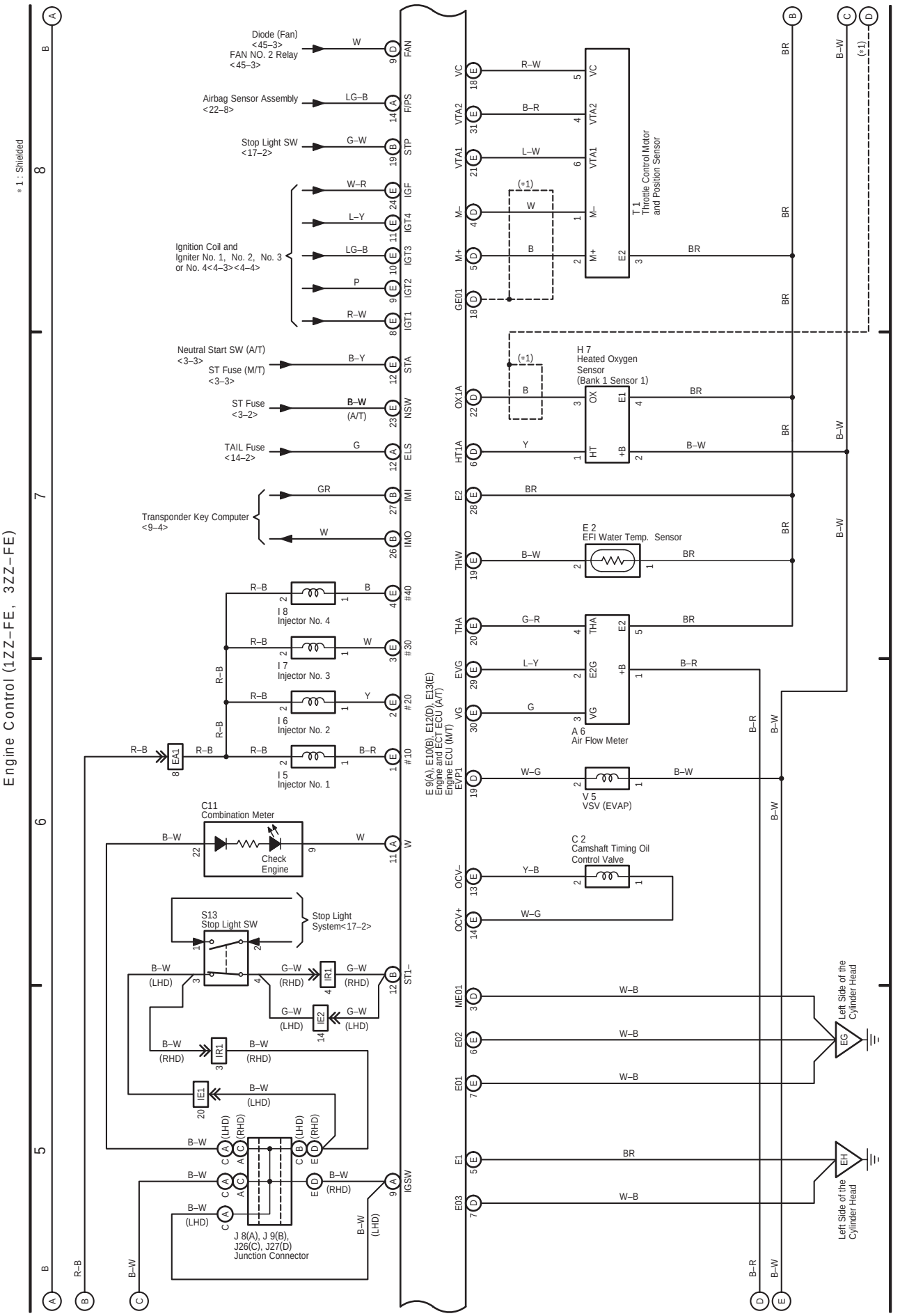
7 AVENSIS (Cont' d)

(Cont. next page)



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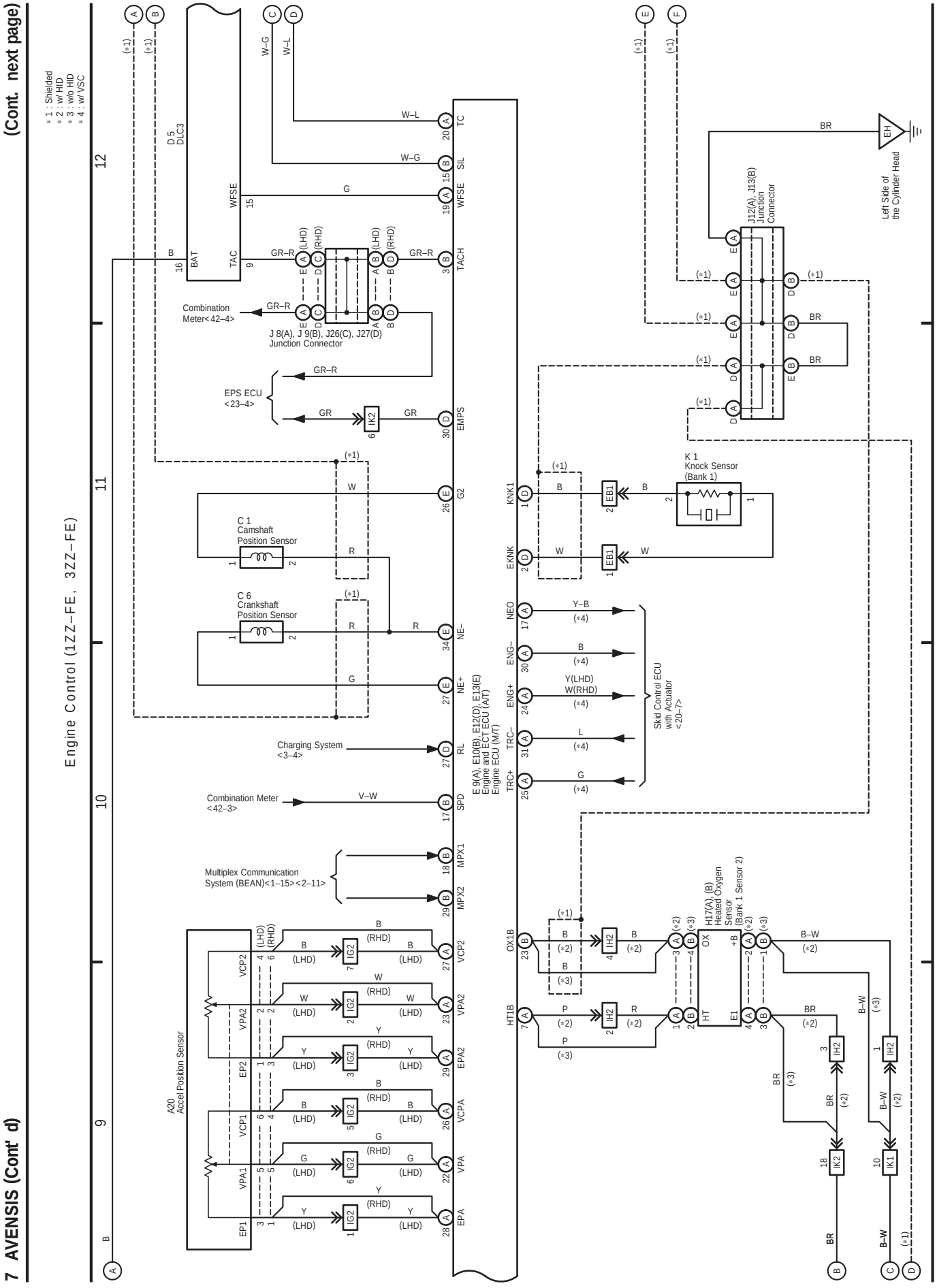
(Cont. next page)
7 AVENSIS (Cont' d)
Engine Control (1ZZ–FE, 3ZZ–FE)
* 1 : Shielded
* 2 : w/ HID
* 3 : w/o HID
* 4 : w/ VSC
D 5 DLC3
Combination Meter<42–4>
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
EPS ECU <23–4>
C 1 Camshaft Position Sensor
C 6 Crankshaft Position Sensor
Charging System <3–4>
Combination Meter <42–3>
Multiplex Communication System (BEAN)<1–15><2–11>
A20 Accel Position Sensor
E 9(A), E10(B), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
Skid Control ECU with Actuator <20–7>
K 1 Knock Sensor (Bank 1)
H17(A), (B) Heated Oxygen Sensor (Bank 1 Sensor 2)
J12(A), J13(B) Junction Connector
Left Side of the Cylinder Head

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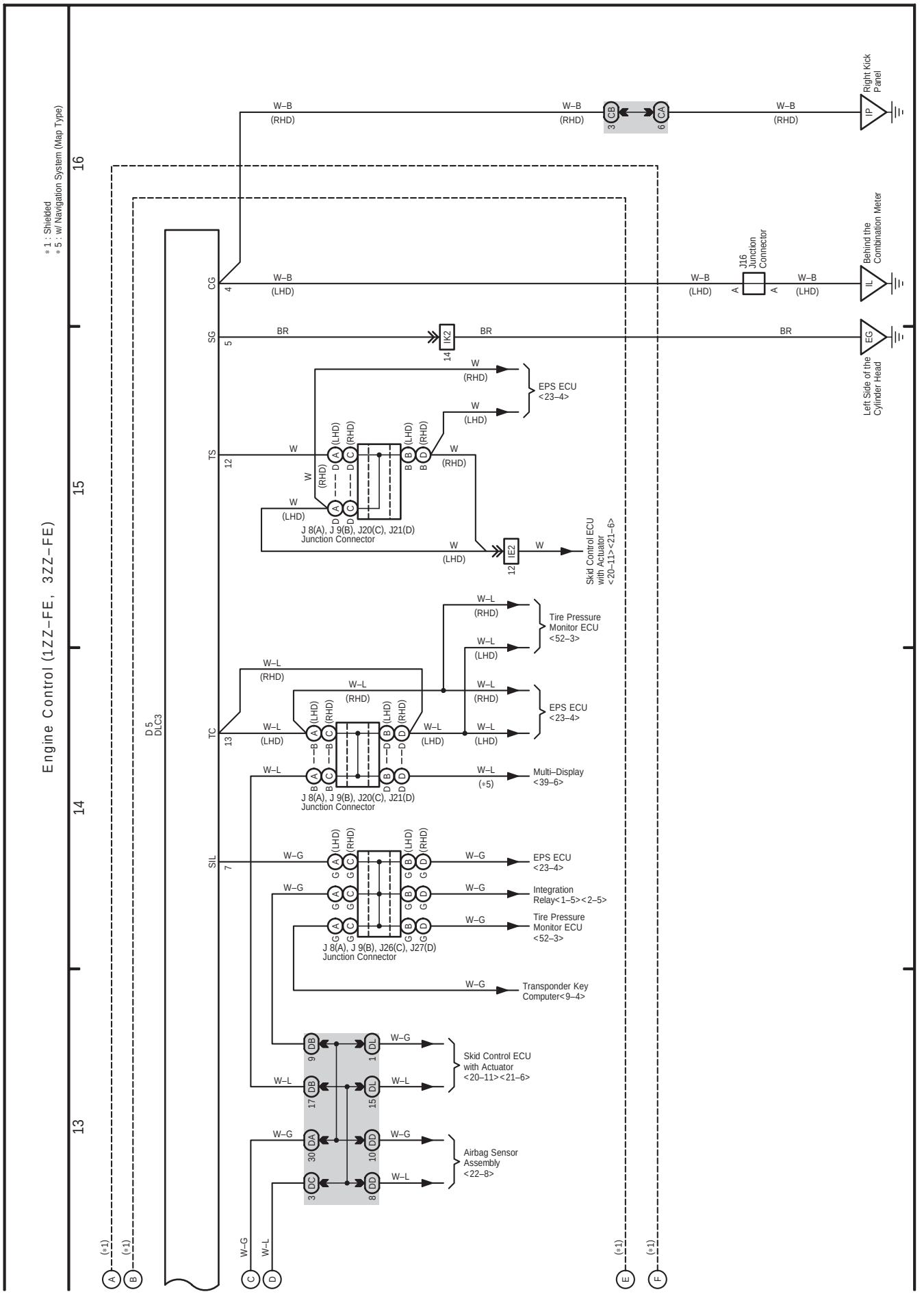
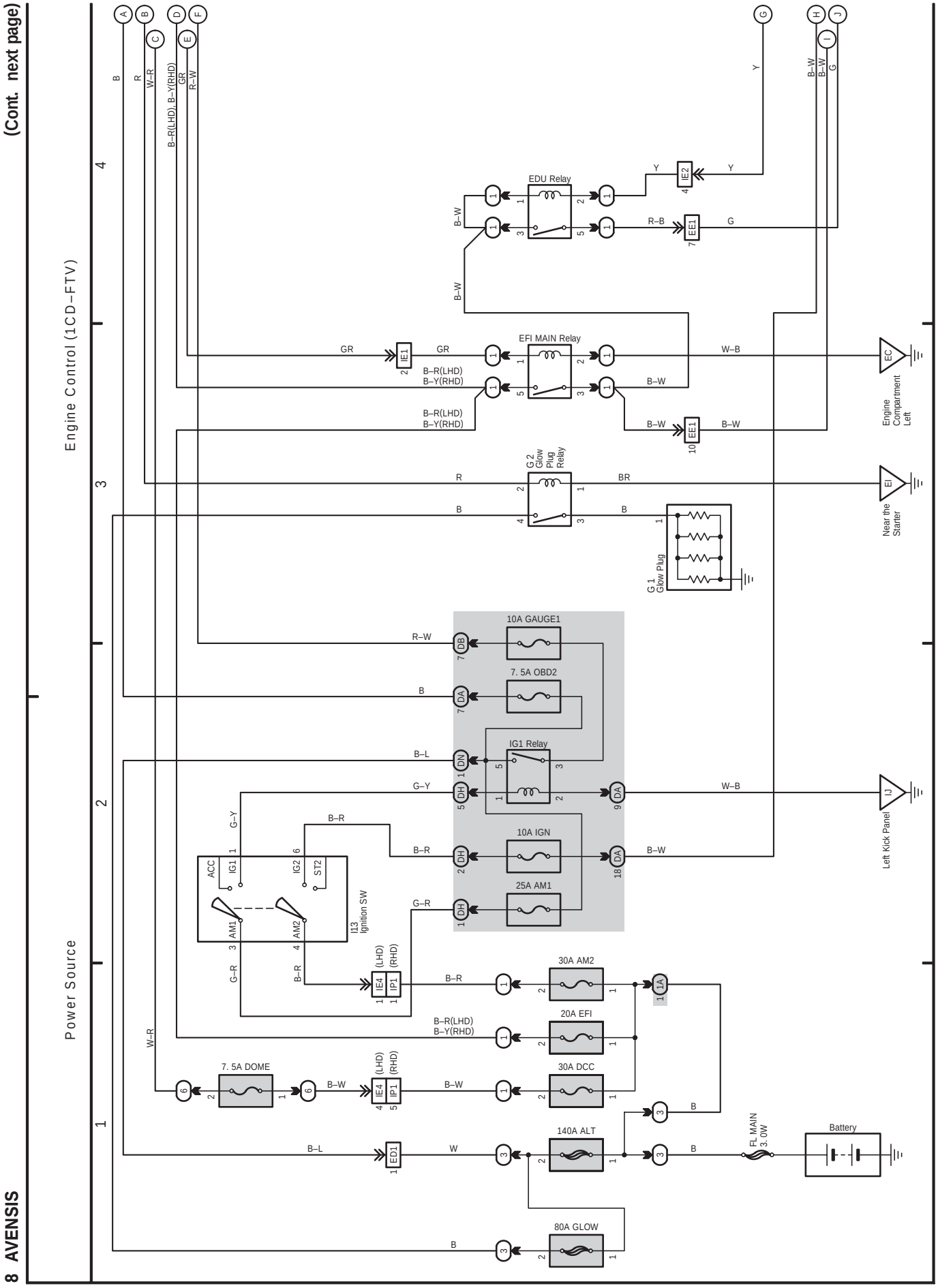
7 AVENSIS (Cont' d)



http://vnx.su


(Cont. next page)
Engine Control (1CD–FTV)
Power Source
8 AVENSIS
EDU Relay
EFI MAIN Relay
G 2 Glow Plug Relay
G 1 Glow Plug
10A GAUGE1
7. 5A OBD2
IG1 Relay
10A IGN
25A AM1
I13 Ignition SW
30A AM2
20A EFI
7. 5A DOME
30A DCC
140A ALT
80A GLOW
FL MAIN 3. 0W
Battery
EC Engine Compartment Left
EI Near the Starter
IJ Left Kick Panel

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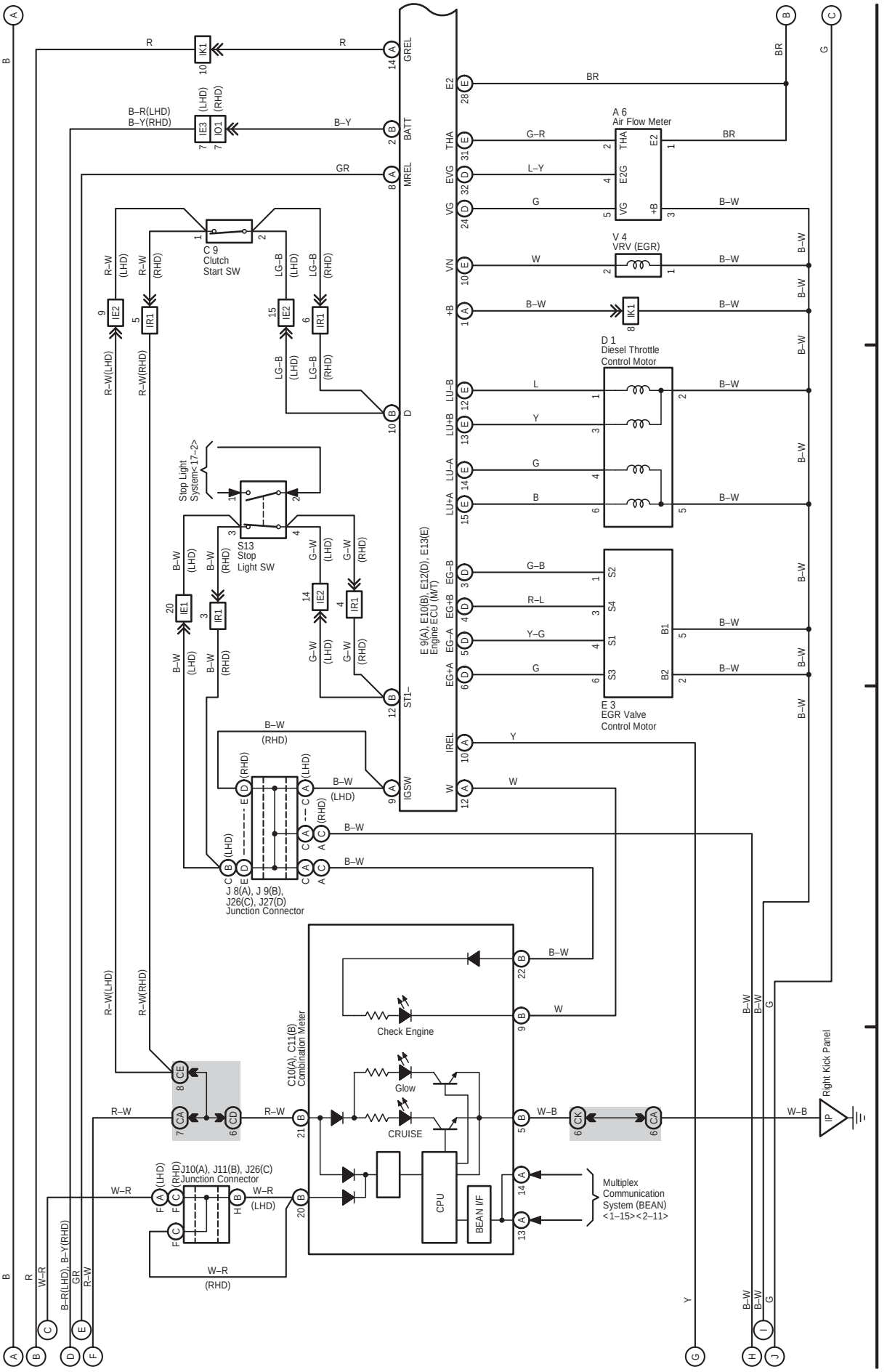
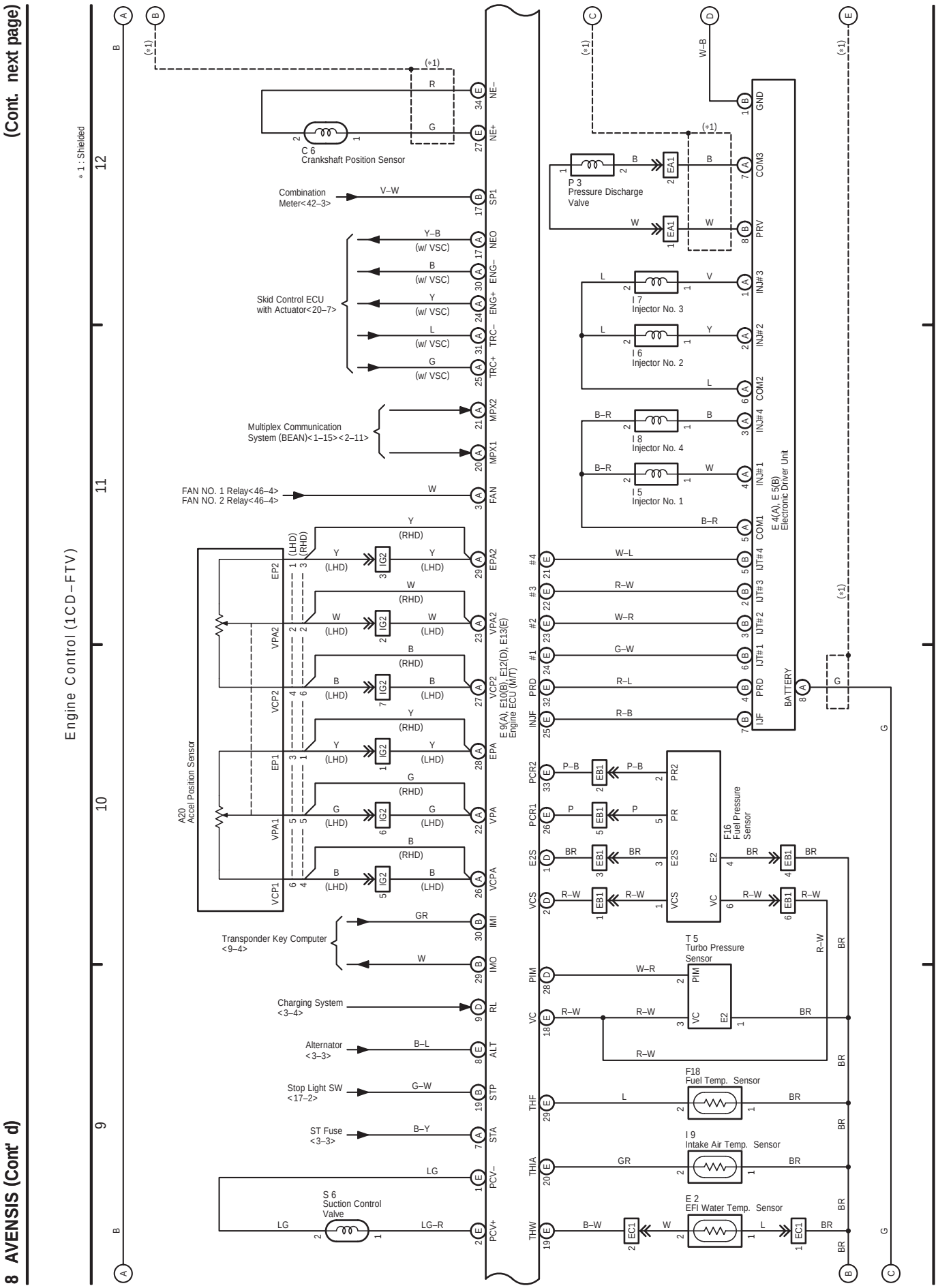
8 AVENSIS (Cont' d)

(Cont. next page)



http://vnx.su


(Cont. next page)
8 AVENSIS (Cont' d)
Engine Control (1CD–FTV)
* 1 : Shielded
C 6
Crankshaft Position Sensor
Combination Meter<42–3>
Skid Control ECU with Actuator<20–7>
Multiplex Communication System (BEAN)<1–15><2–11>
FAN NO. 1 Relay<46–4>
FAN NO. 2 Relay<46–4>
A20
Accel Position Sensor
Transponder Key Computer <9–4>
Charging System <3–4>
Alternator <3–3>
Stop Light SW <17–2>
ST Fuse <3–3>
S 6
Suction Control Valve
E 9(A), E10(B), E12(D), E13(E)
Engine ECU (M/T)
P 3
Pressure Discharge Valve
I 7
Injector No. 3
I 6
Injector No. 2
I 8
Injector No. 4
I 5
Injector No. 1
E 4(A), E 5(B)
Electronic Driver Unit
BATTERY
F16
Fuel Pressure Sensor
T 5
Turbo Pressure Sensor
F18
Fuel Temp. Sensor
I 9
Intake Air Temp. Sensor
E 2
EFI Water Temp. Sensor
(RHD)
(LHD)
(w/ VSC)

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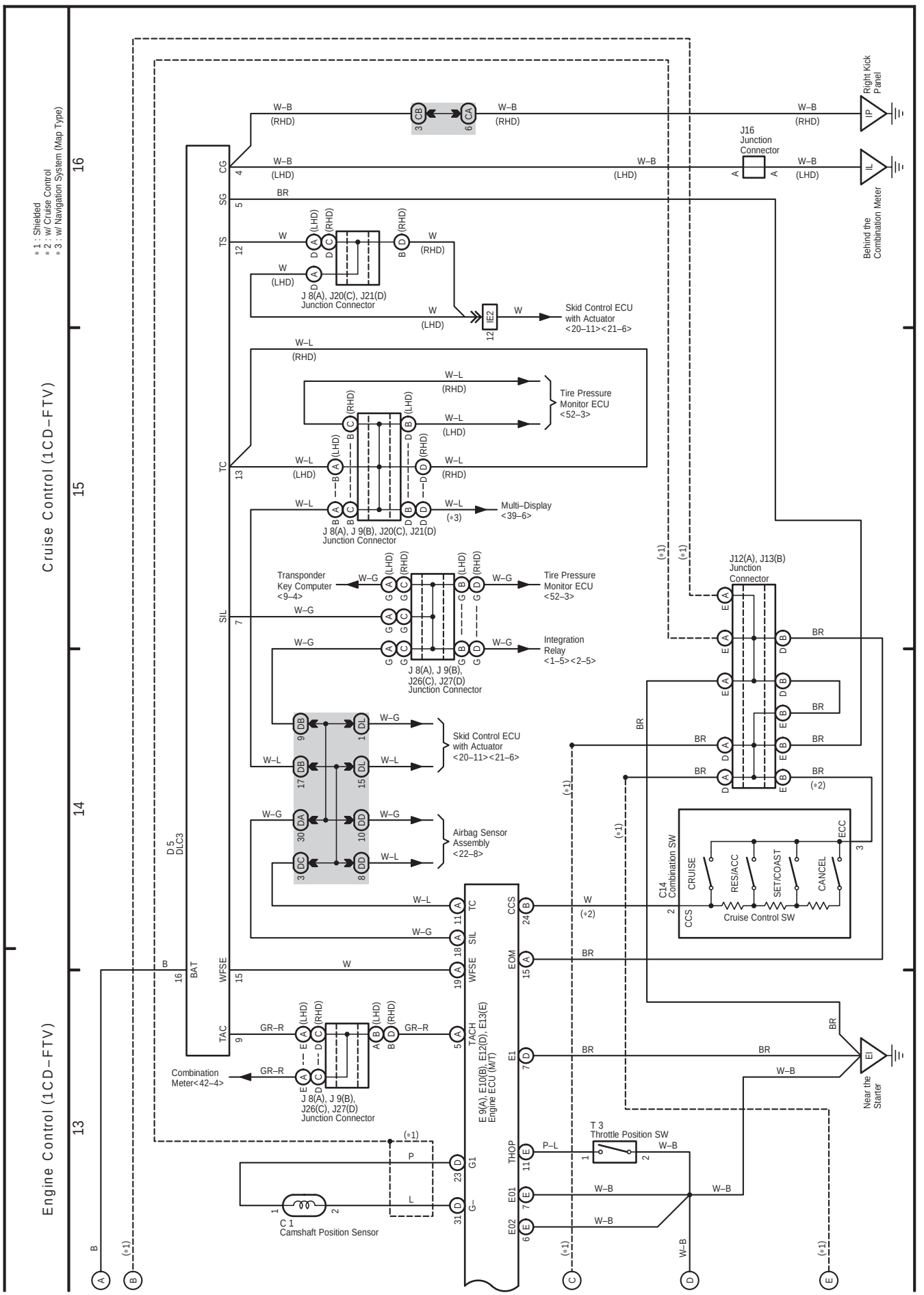
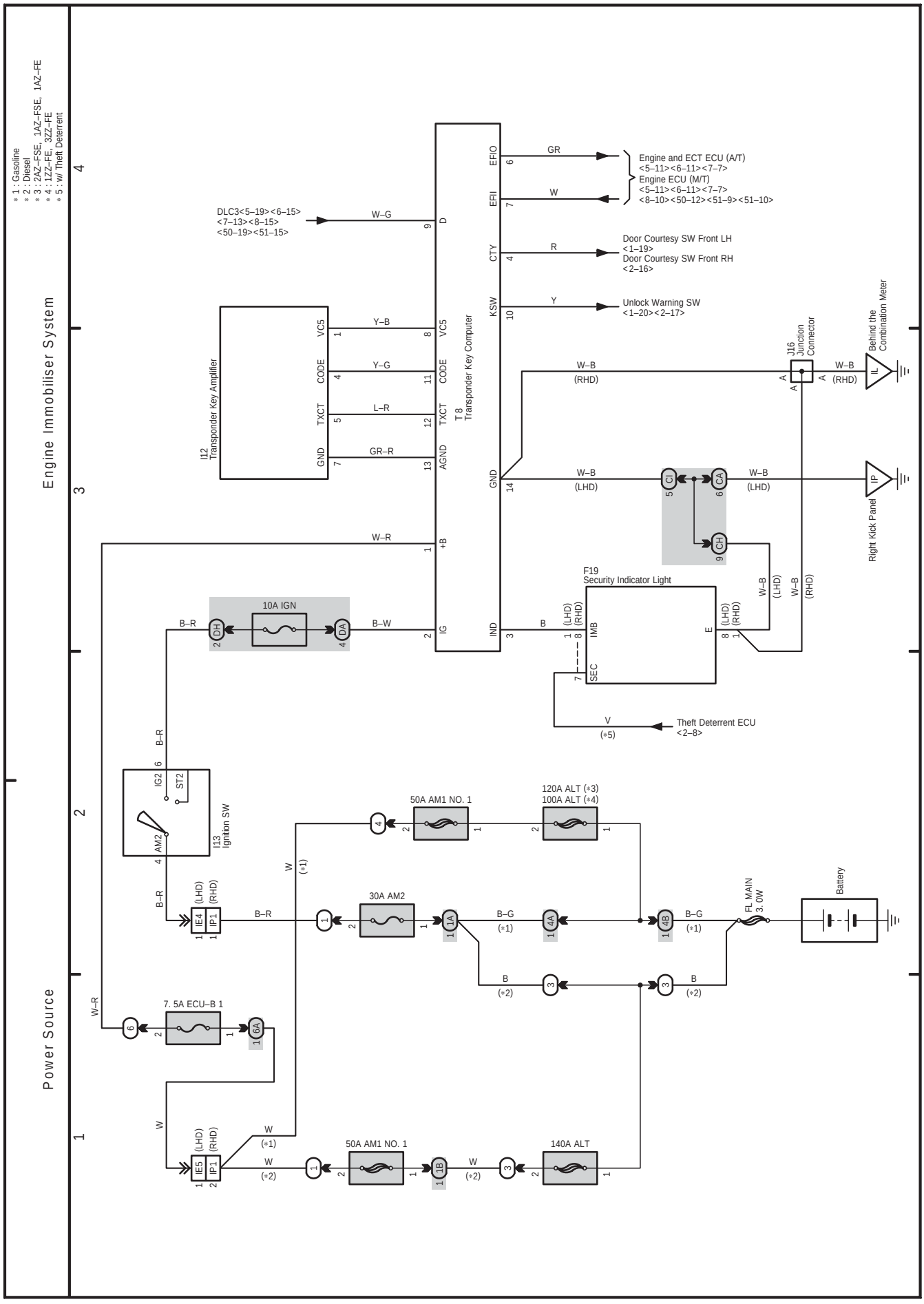
8 AVENSIS (Cont' d)



http://vnx.su


*1 : Gasoline
*2 : Diesel
*3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
*5 : w/ Theft Deterrent
Engine Immobiliser System
Power Source
DLC3<5–19><6–15><7–13><8–15><50–19><51–15>
W–G
I12 Transponder Key Amplifier
VC5
CODE
TXCT
GND
Y–B
Y–G
L–R
GR–R
T 8 Transponder Key Computer
D
VC5
CODE
TXCT
AGND
+B
IG
EFIO
EFII
CTY
KSW
GND
IND
GR
W
R
Y
W–B
B
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7>
<8–10><50–12><51–9><51–10>
Door Courtesy SW Front LH
<1–19>
Door Courtesy SW Front RH
<2–16>
Unlock Warning SW
<1–20><2–17>
J16 Junction Connector
Behind the Combination Meter
IL
IP
Right Kick Panel
F19 Security Indicator Light
IMB
SEC
E
V
Theft Deterrent ECU
<2–8>
(*5)
W–R
10A IGN
B–R
B–W
IG2
ST2
AM2
I13 Ignition SW
50A AM1 NO. 1
120A ALT (*3)
100A ALT (*4)
W
(*1)
30A AM2
B–G
FL MAIN 3. 0W
Battery
7. 5A ECU–B 1
B
(*2)
50A AM1 NO. 1
140A ALT
(LHD)
(RHD)
1
2
3
4

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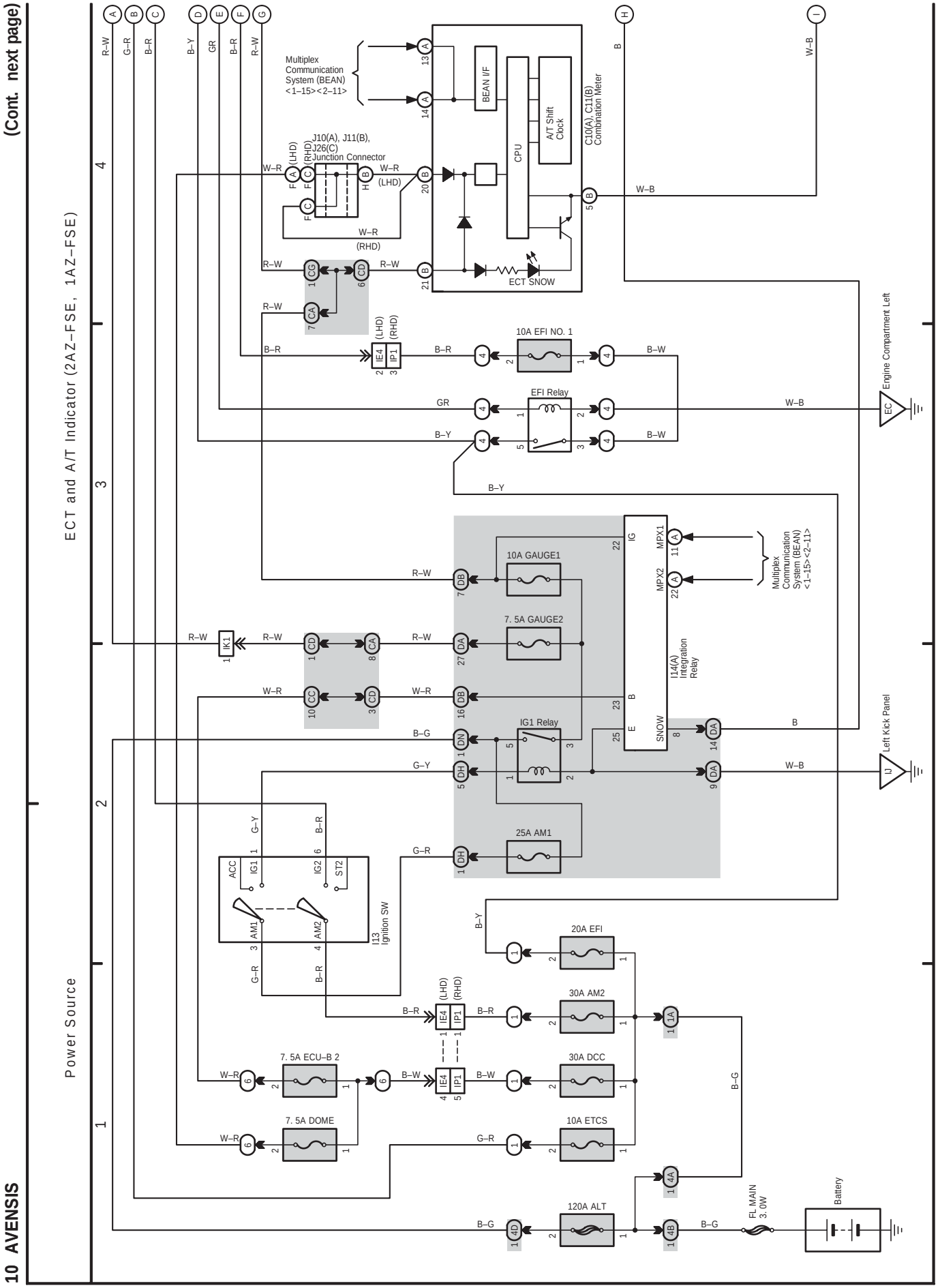
(Cont. next page)
ECT and A/T Indicator (2AZ–FSE, 1AZ–FSE)
Power Source
10 AVENSIS
Multiplex Communication System (BEAN) <1–15><2–11>
BEAN I/F
CPU
A/T Shift Clock
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
ECT SNOW
10A EFI NO. 1
EFI Relay
Engine Compartment Left
10A GAUGE1
7. 5A GAUGE2
I14(A) Integration Relay
IG1 Relay
Left Kick Panel
25A AM1
I13 Ignition SW
20A EFI
30A AM2
7. 5A ECU–B 2
30A DCC
7. 5A DOME
10A ETCS
120A ALT
FL MAIN 3. 0W
Battery

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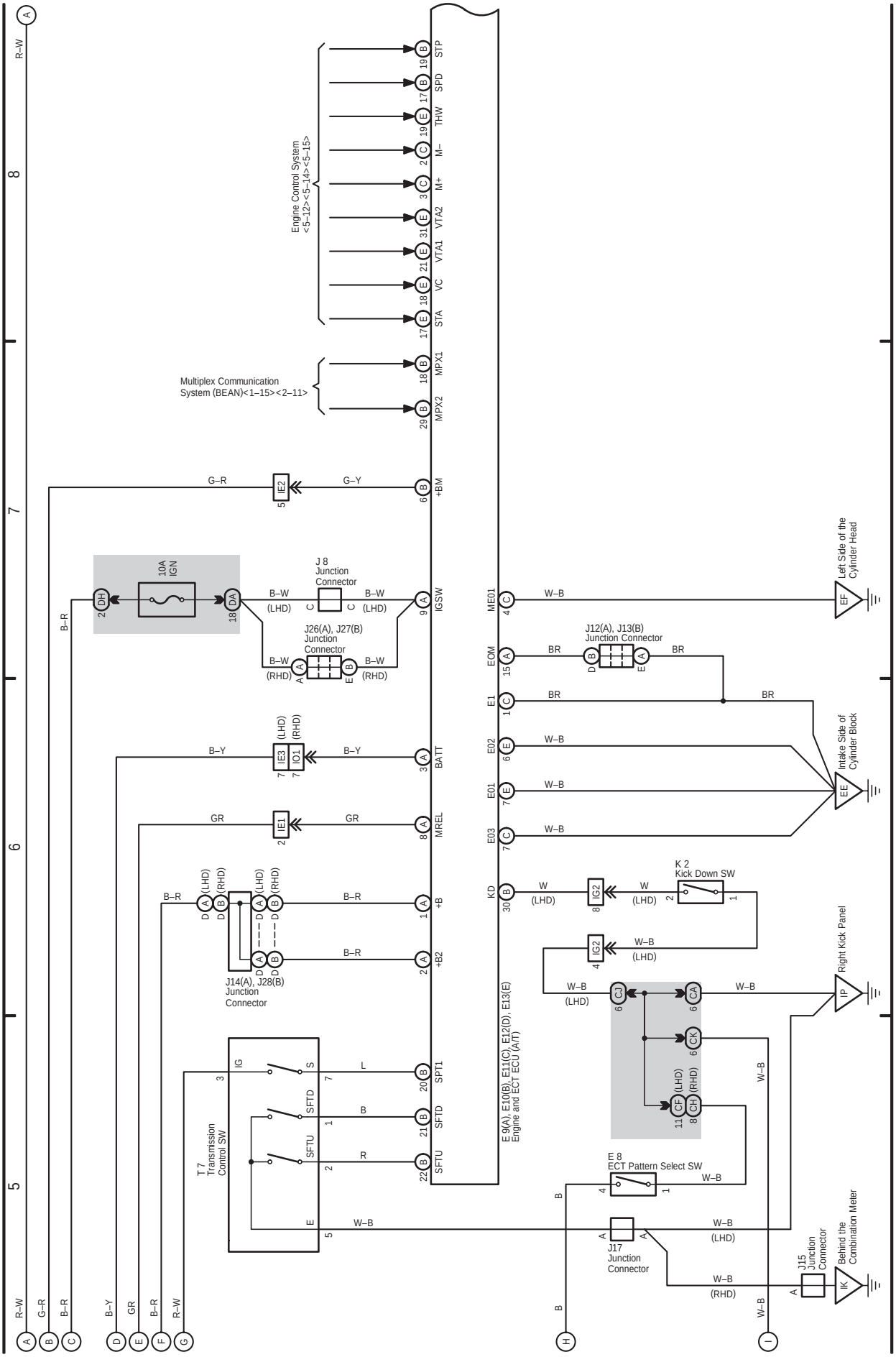
10 AVENSIS (Cont' d)

(Cont. next page)



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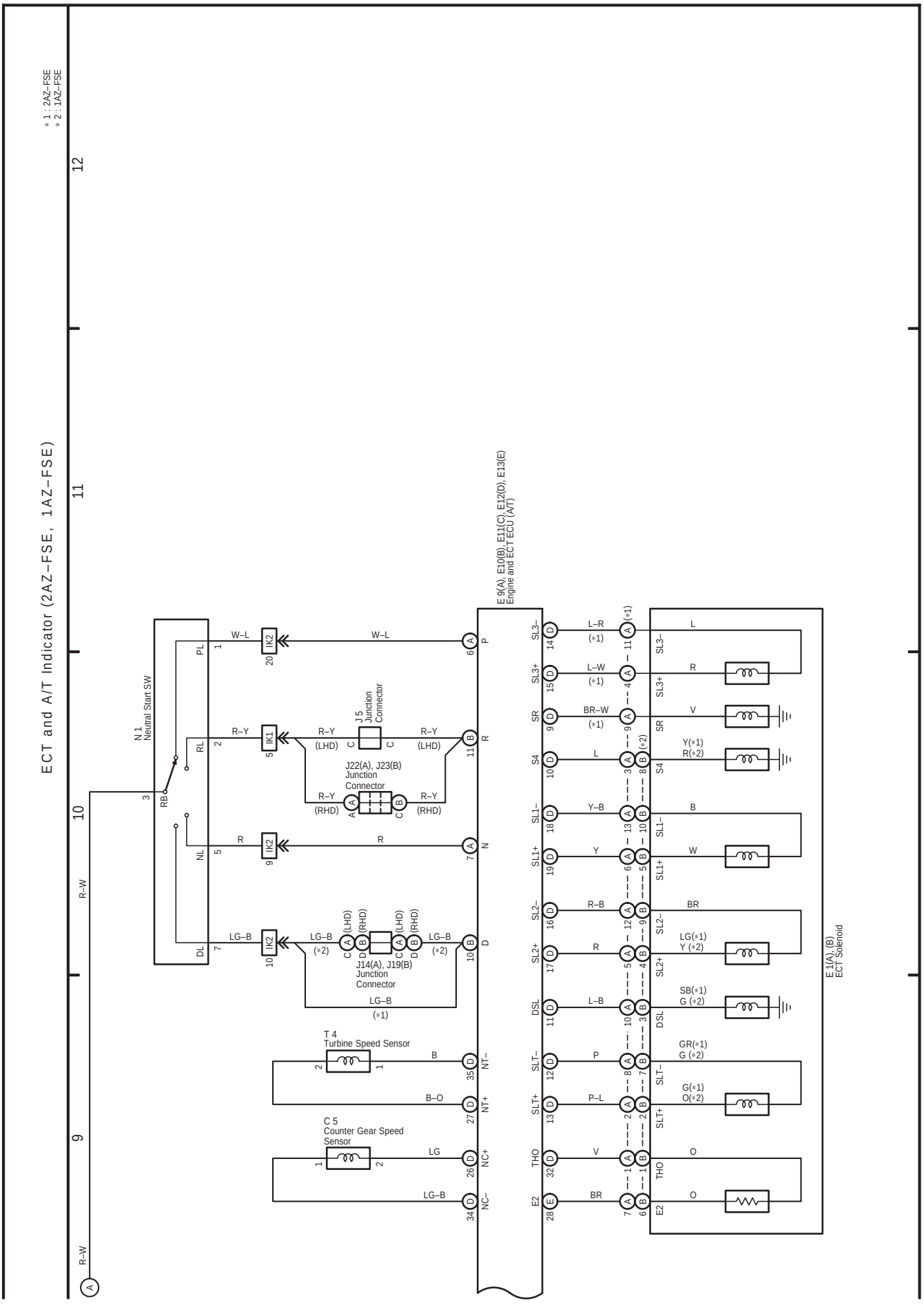
10 AVENSIS (Cont' d)
ECT and A/T Indicator (2AZ–FSE, 1AZ–FSE)
*1: 2AZ–FSE
*2: 1AZ–FSE
N 1
Neutral Start SW
J 5
Junction Connector
J22(A), J23(B)
Junction Connector
J14(A), J19(B)
Junction Connector
T 4
Turbine Speed Sensor
C 5
Counter Gear Speed Sensor
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
E 1(A), (B)
ECT Solenoid
W–L
R–Y
R
LG–B
R–W
L–R
L–W
BR–W
Y–B
R–B
L–B
P
P–L
V
BR
B
B–O
LG
(LHD)
(RHD)
(*1)
(*2)

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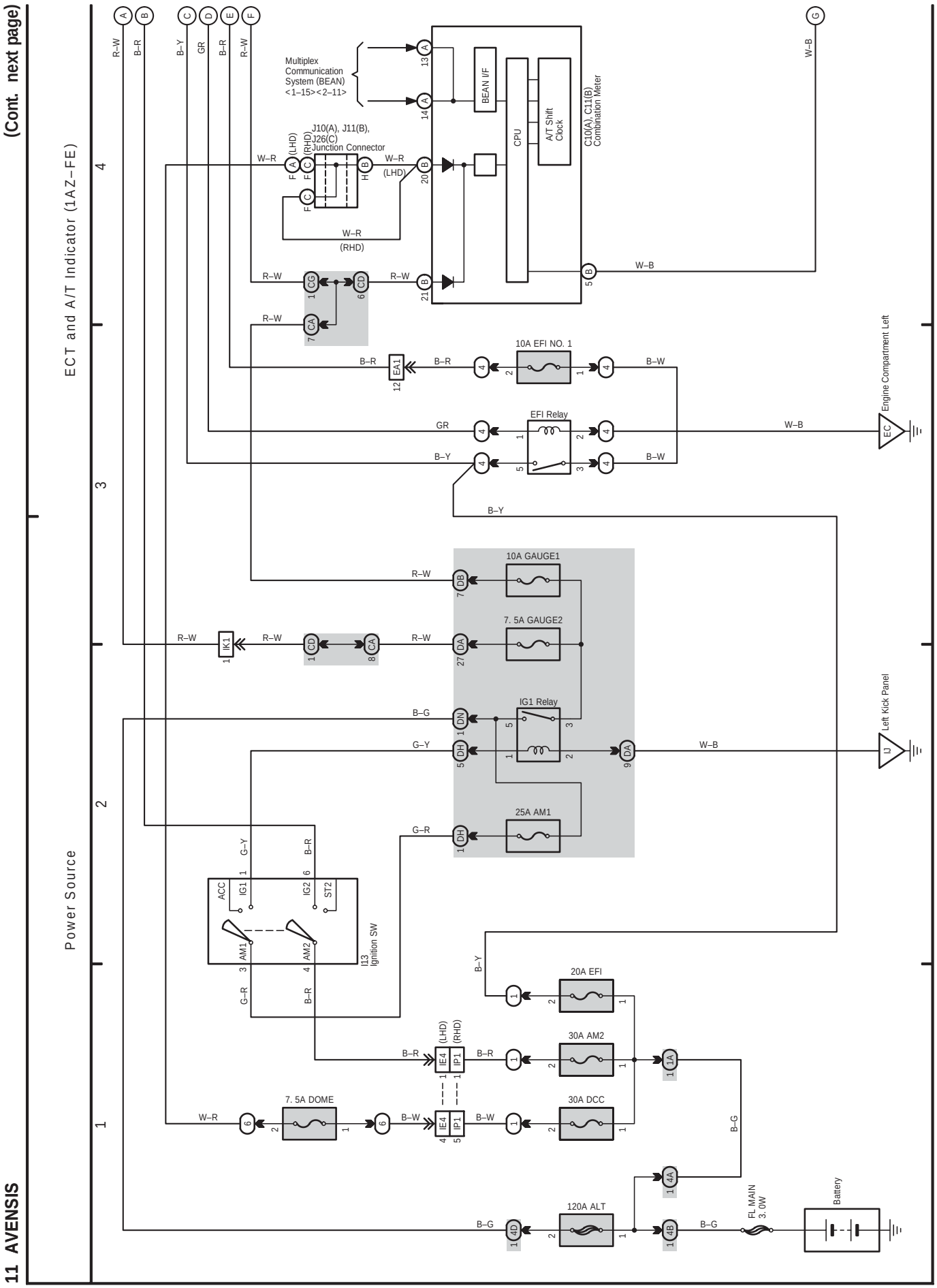
(Cont. next page)
ECT and A/T Indicator (1AZ–FE)
Power Source
11 AVENSIS
Multiplex Communication System (BEAN) <1–15><2–11>
BEAN I/F
CPU
A/T Shift Clock
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
10A EFI NO. 1
EFI Relay
Engine Compartment Left
10A GAUGE1
7. 5A GAUGE2
IG1 Relay
Left Kick Panel
25A AM1
I13 Ignition SW
20A EFI
30A AM2
7. 5A DOME
30A DCC
120A ALT
FL MAIN 3. 0W
Battery

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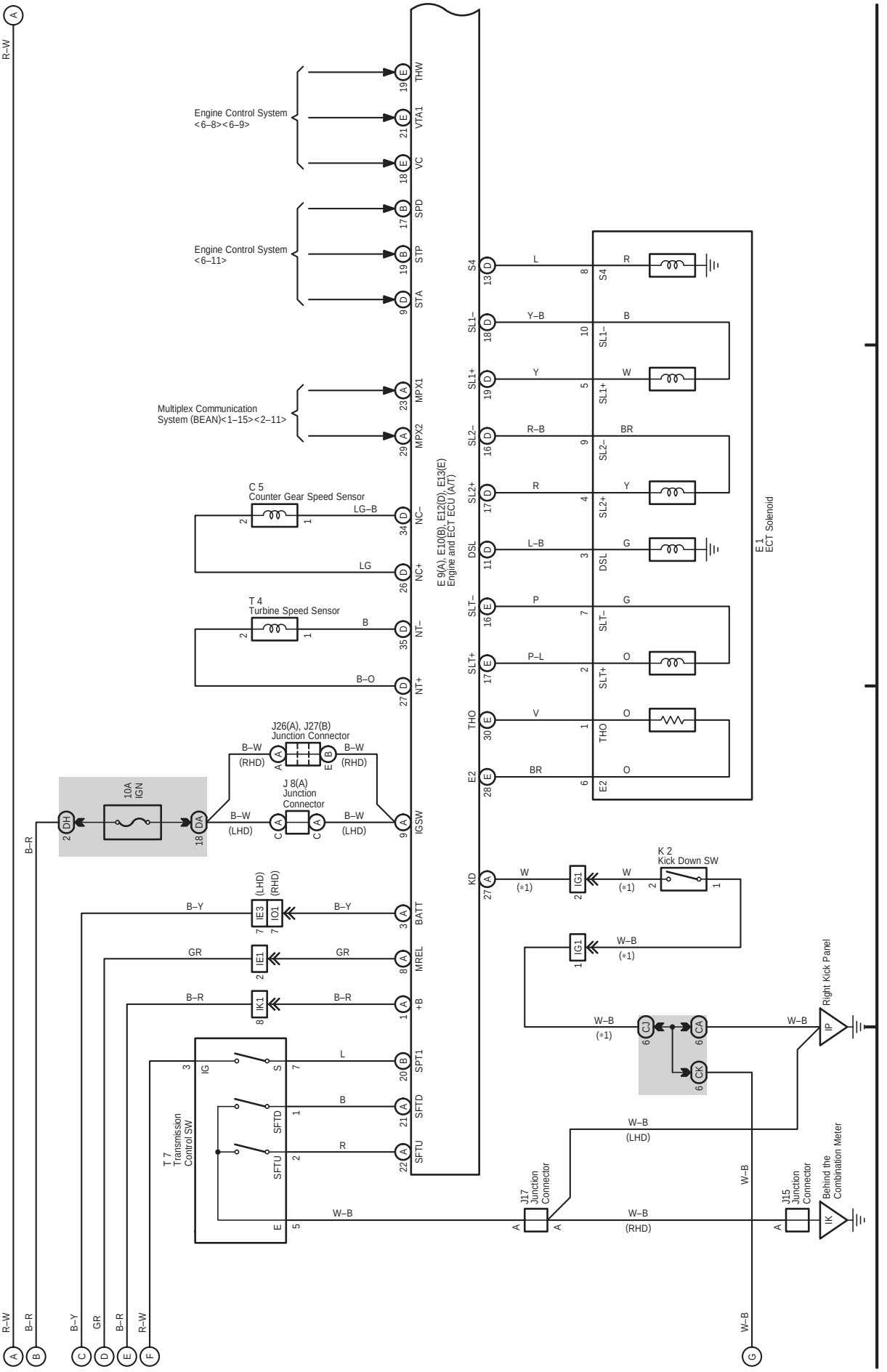
11 AVENSIS (Cont' d)

(Cont. next page)



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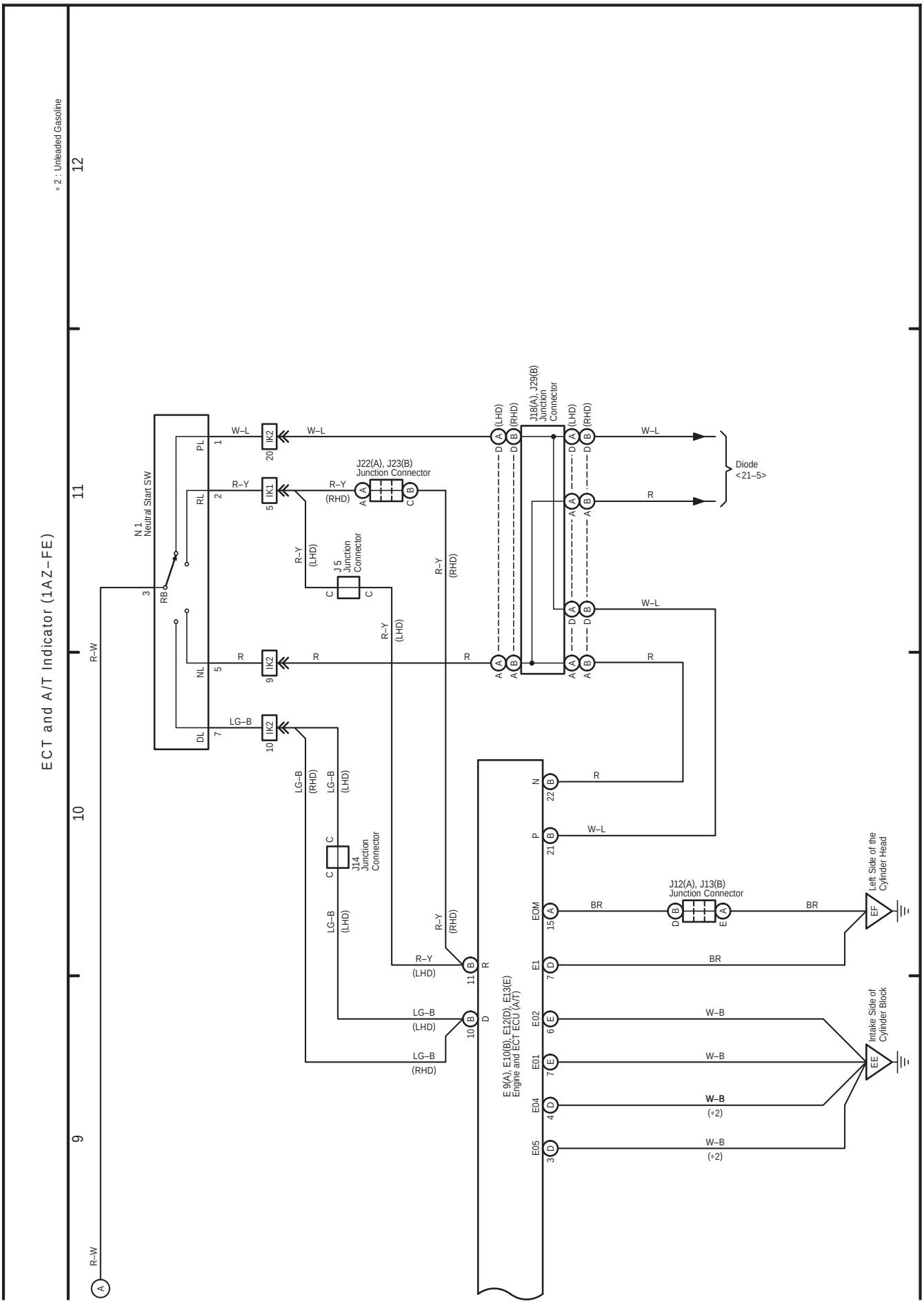
11 AVENSIS (Cont' d)
ECT and A/T Indicator (1AZ–FE)
* 2 : Unleaded Gasoline
12
11
10
9
N 1
Neutral Start SW
RB
PL
RL
NL
DL
IK1
IK2
J22(A), J23(B)
Junction Connector
J5
Junction
Connector
J14
Junction
Connector
J18(A), J29(B)
Junction
Connector
J12(A), J13(B)
Junction Connector
Diode
<21–5>
Left Side of the
Cylinder Head
Intake Side of
Cylinder Block
EF
EE
E 9(A), E10(B), E12(D), E13(E)
Engine and ECT ECU (A/T)
W–L
R–Y
R
R–W
LG–B
BR
W–B
(LHD)
(RHD)
(*2)

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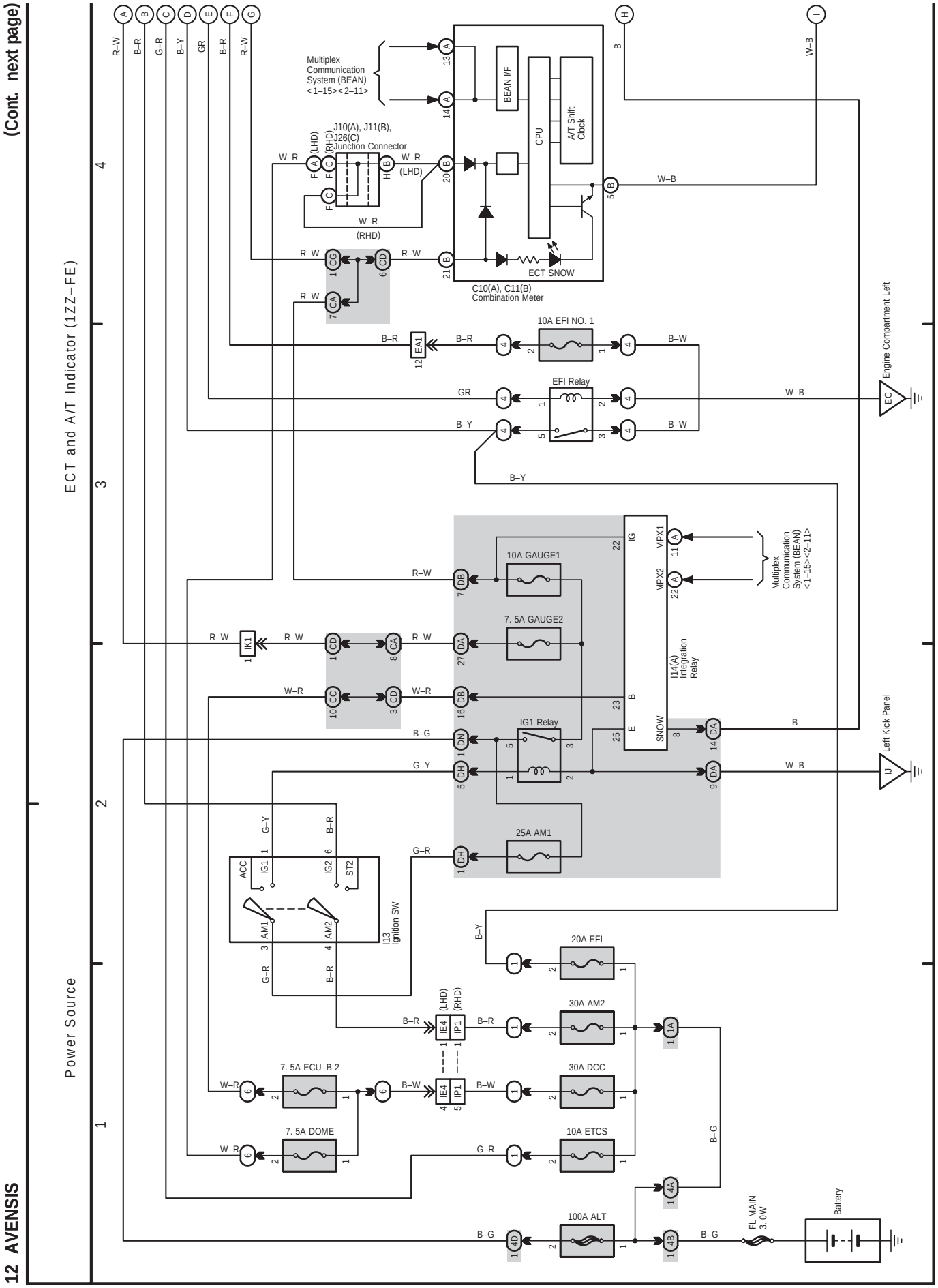
(Cont. next page)
ECT and A/T Indicator (1ZZ–FE)
Power Source
12 AVENSIS
Multiplex Communication System (BEAN) <1–15><2–11>
BEAN I/F
CPU
A/T Shift Clock
J10(A), J11(B), J26(C) Junction Connector
(LHD)
(RHD)
ECT SNOW
C10(A), C11(B) Combination Meter
10A EFI NO. 1
EFI Relay
Engine Compartment Left
EC
10A GAUGE1
7. 5A GAUGE2
I14(A) Integration Relay
IG1 Relay
Left Kick Panel
J
25A AM1
I13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
20A EFI
30A AM2
30A DCC
7. 5A ECU–B 2
7. 5A DOME
10A ETCS
100A ALT
FL MAIN 3. 0W
Battery

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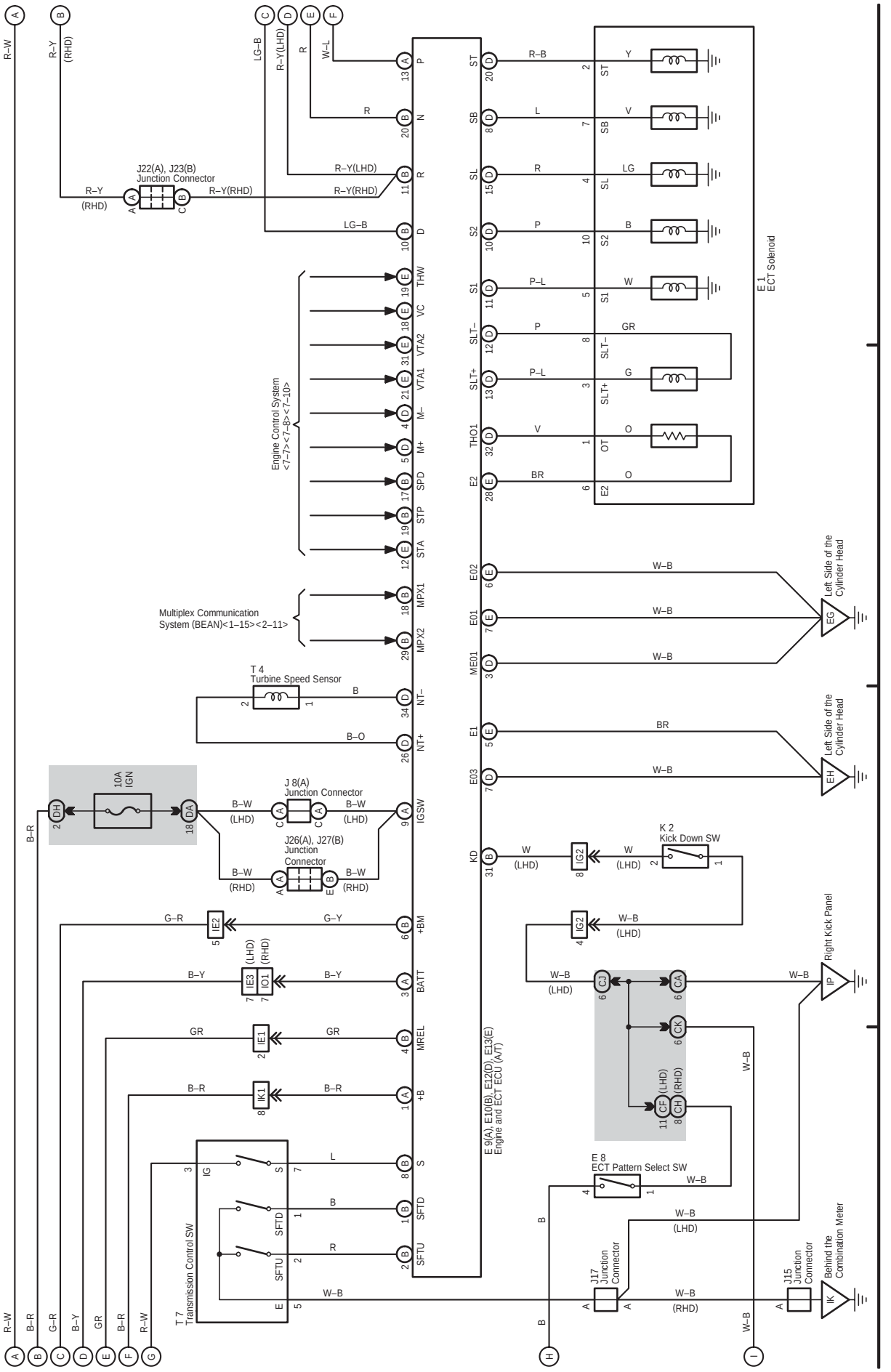
12 AVENSIS (Cont' d)

(Cont. next page)



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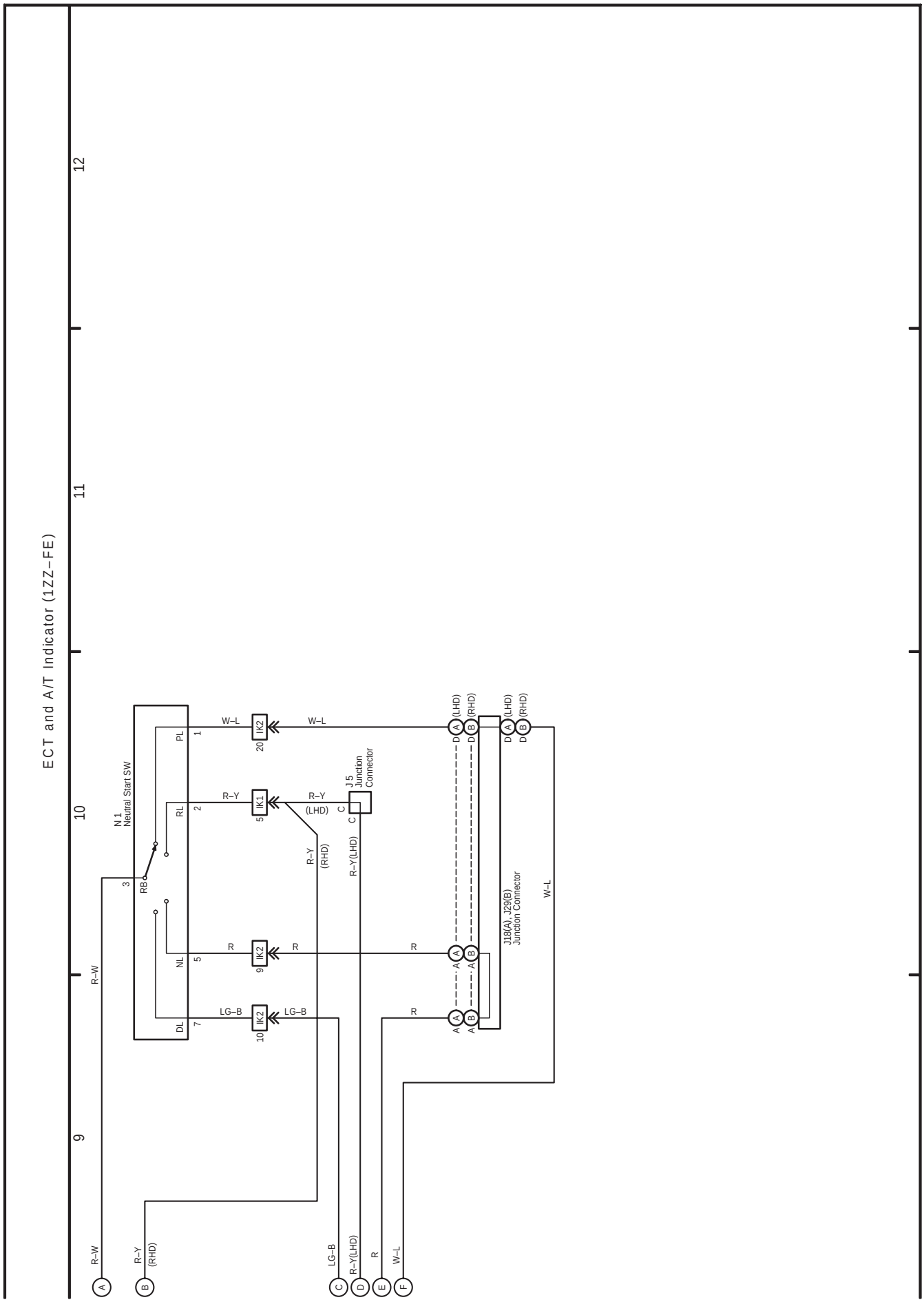
12 AVENSIS (Cont' d)



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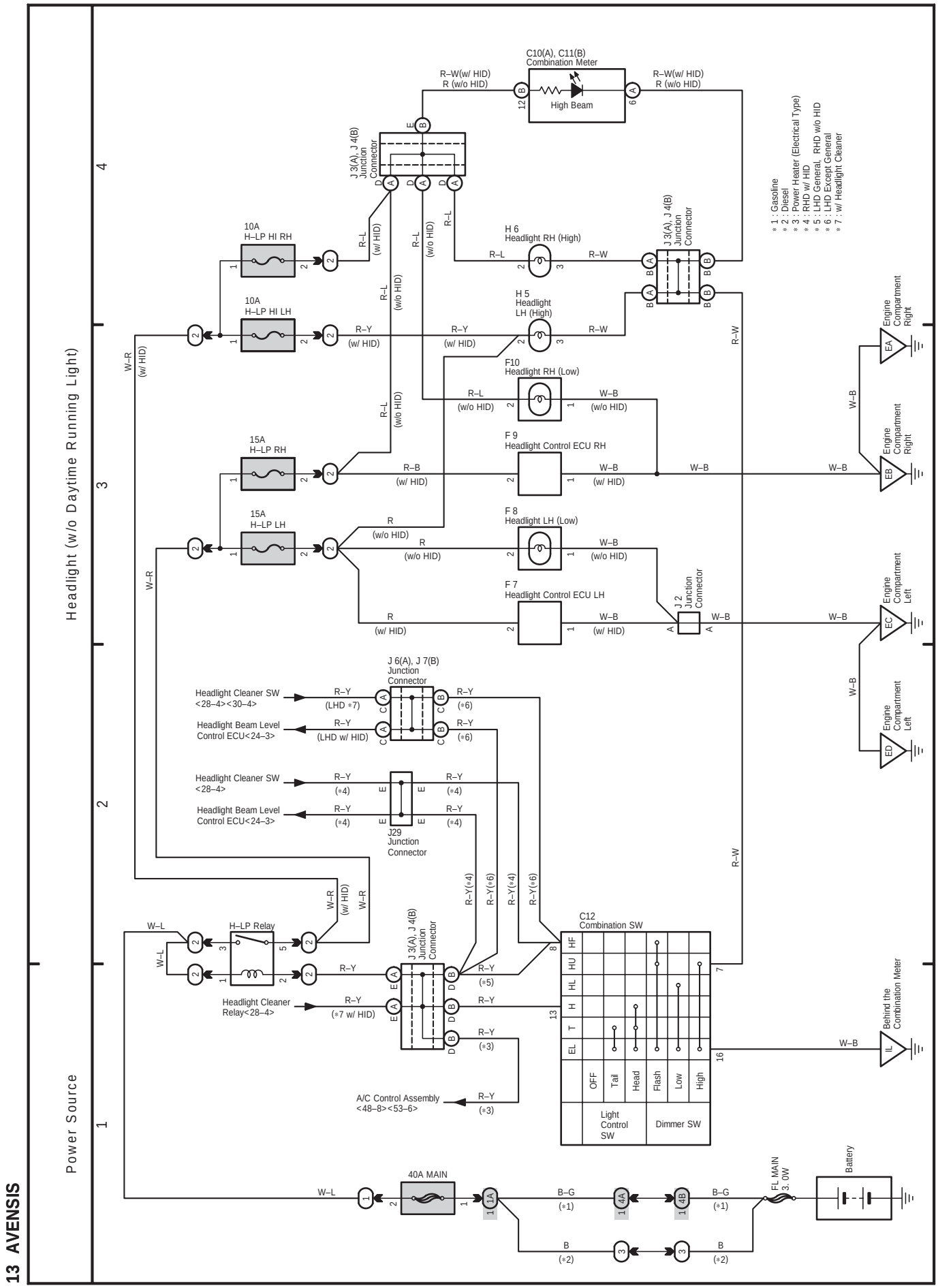
13 AVENSIS
Power Source
Headlight (w/o Daytime Running Light)
1
2
3
4
C10(A), C11(B)
Combination Meter
High Beam
R–W(w/ HID)
R (w/o HID)
J 3(A), J 4(B)
Junction
Connector
10A
H–LP HI RH
10A
H–LP HI LH
15A
H–LP RH
15A
H–LP LH
H 6
Headlight RH (High)
H 5
Headlight
LH (High)
F10
Headlight RH (Low)
F 9
Headlight Control ECU RH
F 8
Headlight LH (Low)
F 7
Headlight Control ECU LH
J 2
Junction
Connector
J 6(A), J 7(B)
Junction
Connector
J29
Junction
Connector
H–LP Relay
Headlight Cleaner SW
<28–4><30–4>
Headlight Beam Level
Control ECU<24–3>
Headlight Cleaner SW
<28–4>
Headlight Cleaner
Relay<28–4>
A/C Control Assembly
<48–8><53–6>
C12
Combination SW
Light
Control
SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
HF
HU
HL
H
T
EL
Engine
Compartment
Right
Engine
Compartment
Left
Behind the
Combination Meter
40A MAIN
FL MAIN
3. 0W
Battery
∗ 1 : Gasoline
∗ 2 : Diesel
∗ 3 : Power Heater (Electrical Type)
∗ 4 : RHD w/ HID
∗ 5 : LHD General, RHD w/o HID
∗ 6 : LHD Except General
∗ 7 : w/ Headlight Cleaner

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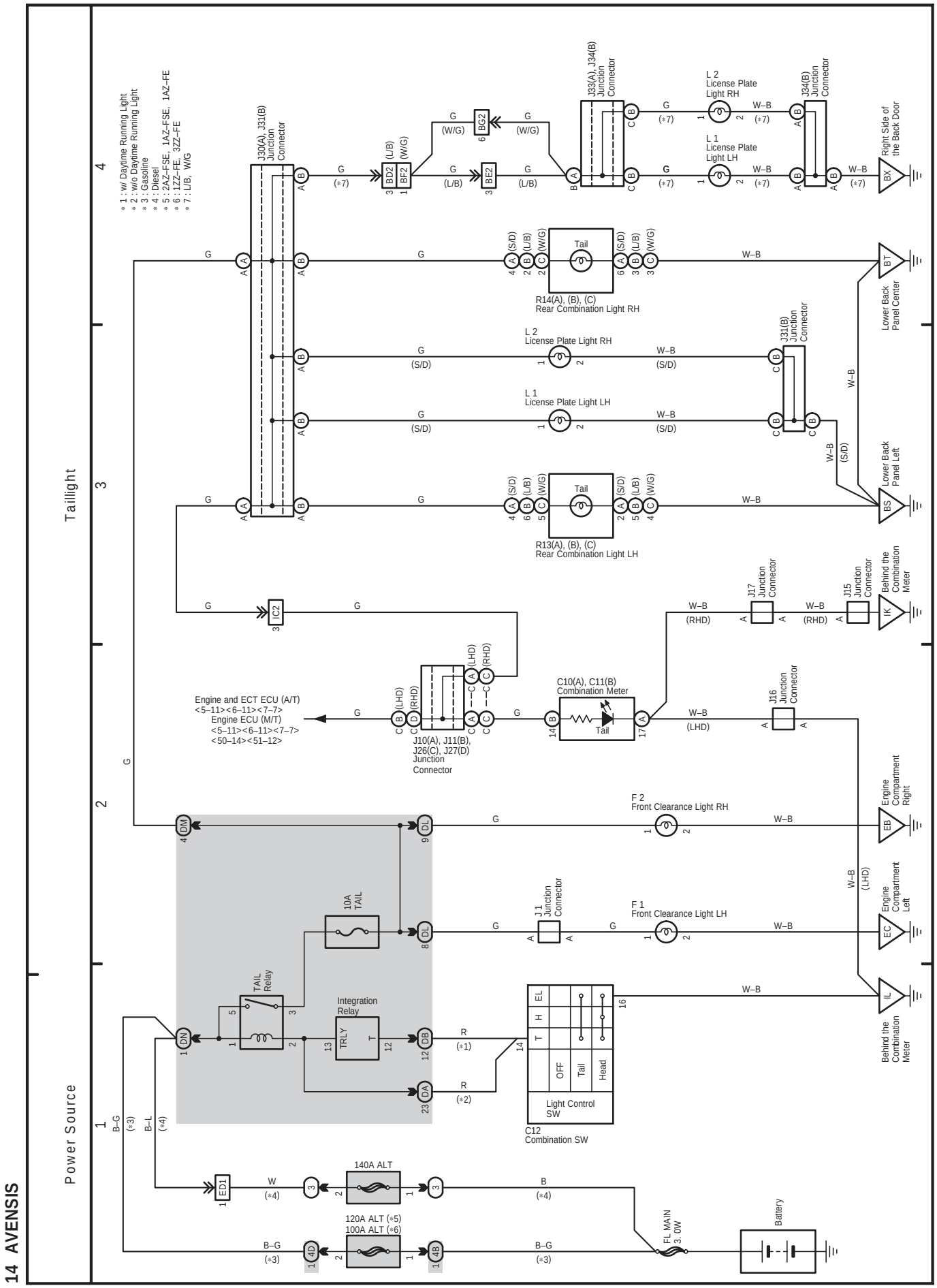
Taillight
Power Source
14 AVENSIS
*1 : w/ Daytime Running Light
*2 : w/o Daytime Running Light
*3 : Gasoline
*4 : Diesel
*5 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*6 : 1ZZ–FE, 3ZZ–FE
*7 : L/B, W/G
J30(A), J31(B) Junction Connector
J33(A), J34(B) Junction Connector
J34(B) Junction Connector
L 2 License Plate Light RH
L 1 License Plate Light LH
Right Side of the Back Door
Tail
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Lower Back Panel Center
Lower Back Panel Left
J31(B) Junction Connector
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
IC2
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7>
<50–14><51–12>
J10(A), J11(B), J26(C), J27(D) Junction Connector
C10(A), C11(B) Combination Meter
J16 Junction Connector
F 2 Front Clearance Light RH
F 1 Front Clearance Light LH
J1 Junction Connector
Engine Compartment Right
Engine Compartment Left
10A TAIL
TAIL Relay
Integration Relay
TRLY
Light Control SW
C12 Combination SW
140A ALT
120A ALT (*5)
100A ALT (*6)
FL MAIN 3. 0W
Battery

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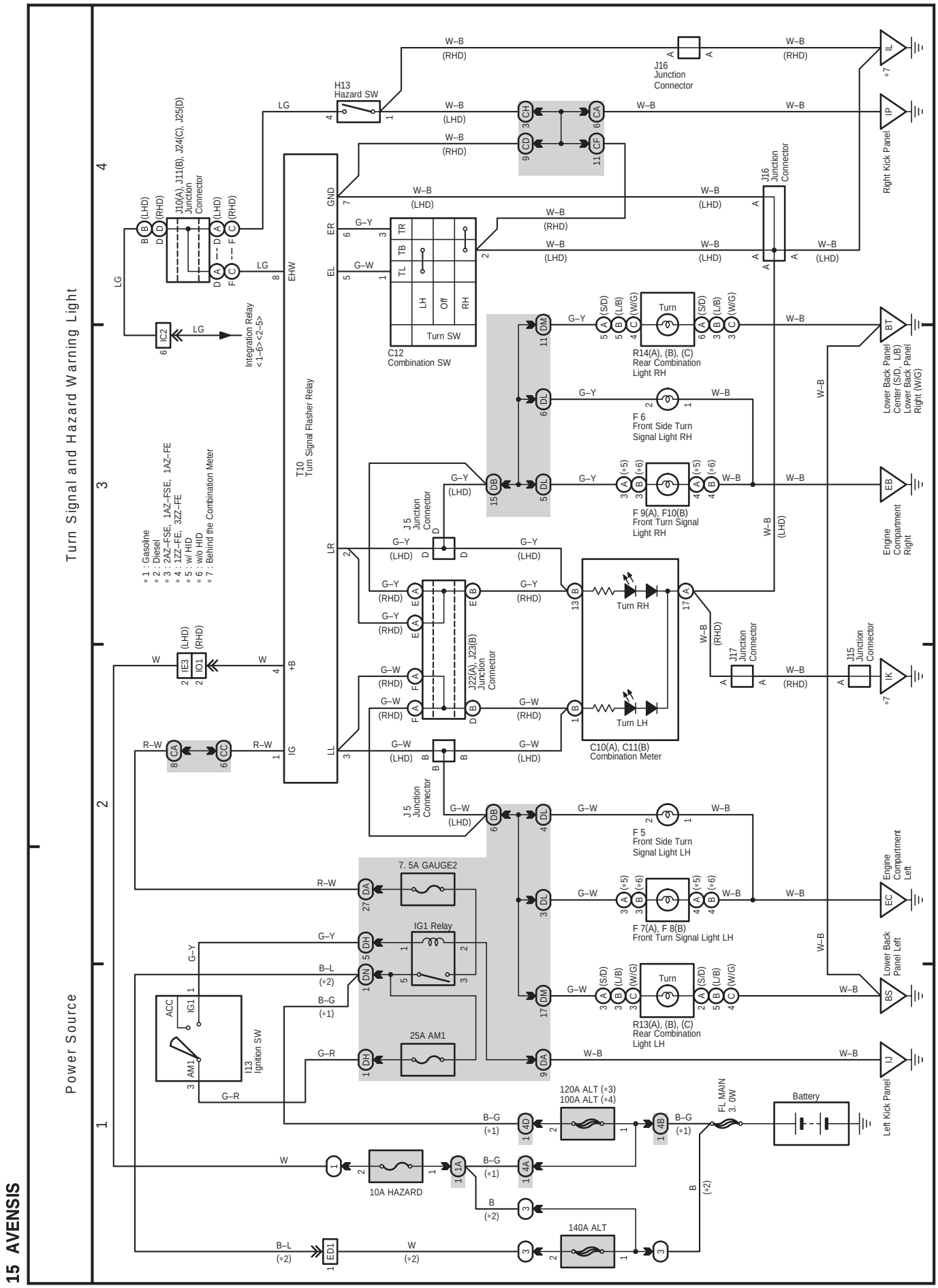
15 AVENSIS
Turn Signal and Hazard Warning Light
Power Source
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ HID
* 6 : w/o HID
* 7 : Behind the Combination Meter
H13 Hazard SW
J10(A), J11(B), J24(C), J25(D) Junction Connector
J16 Junction Connector
Right Kick Panel
C12 Combination SW
Turn SW
Integration Relay <1–6><2–5>
T10 Turn Signal Flasher Relay
R14(A), (B), (C) Rear Combination Light RH
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
F 6 Front Side Turn Signal Light RH
F 9(A), F10(B) Front Turn Signal Light RH
Engine Compartment Right
J5 Junction Connector
J22(A), J23(B) Junction Connector
Turn RH
Turn LH
C10(A), C11(B) Combination Meter
J17 Junction Connector
J15 Junction Connector
F 5 Front Side Turn Signal Light LH
F 7(A), F 8(B) Front Turn Signal Light LH
Engine Compartment Left
Lower Back Panel Left
R13(A), (B), (C) Rear Combination Light LH
Left Kick Panel
7. 5A GAUGE2
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
10A HAZARD

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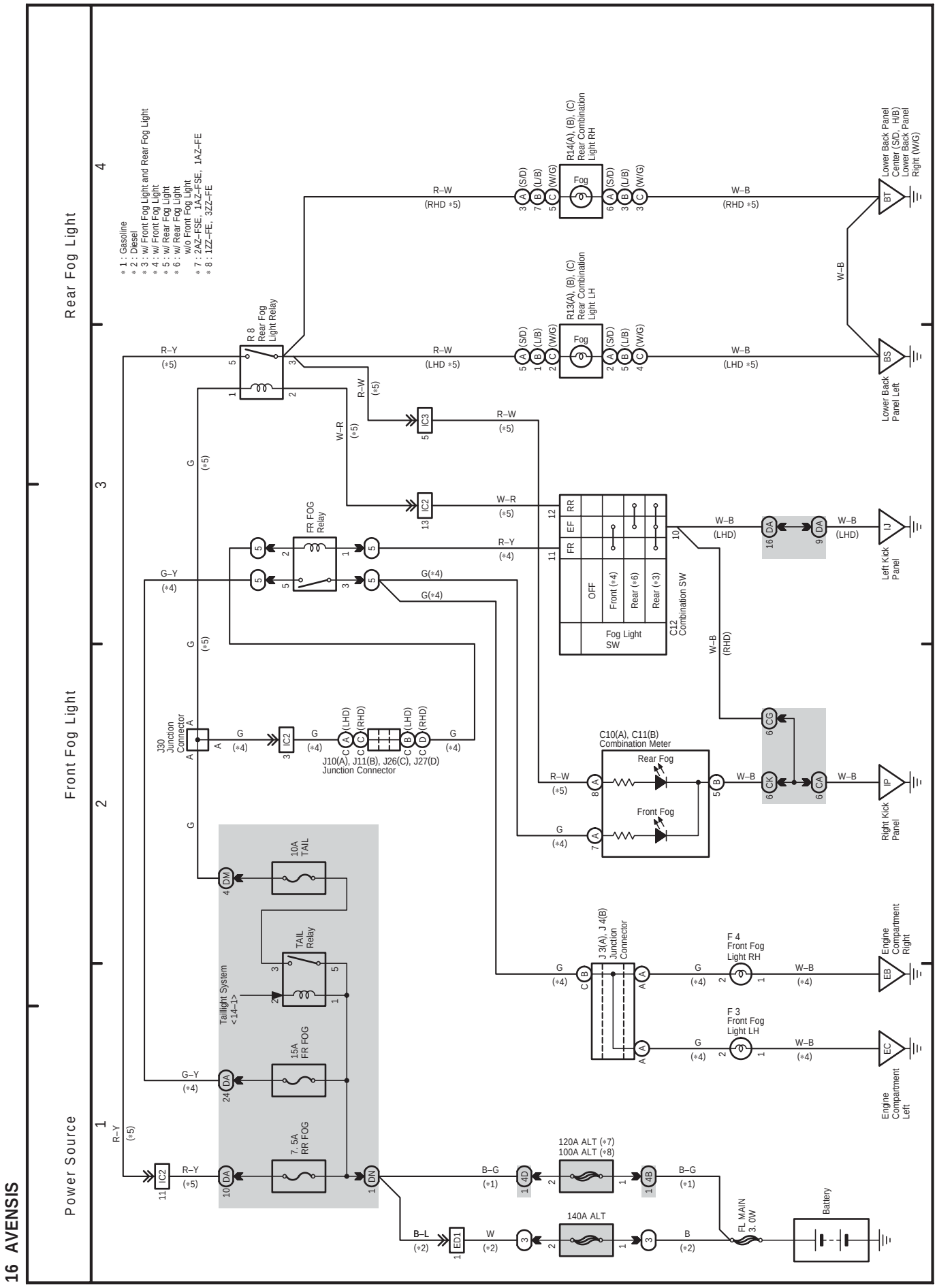
Rear Fog Light
Front Fog Light
Power Source
16 AVENSIS
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Front Fog Light and Rear Fog Light
* 4 : w/ Front Fog Light
* 5 : w/ Rear Fog Light
* 6 : w/ Rear Fog Light
w/o Front Fog Light
* 7 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 8 : 1ZZ–FE, 3ZZ–FE
R 8 Rear Fog Light Relay
FR FOG Relay
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Fog
C12 Combination SW
Fog Light SW
OFF
Front (*4)
Rear (*6)
Rear (*3)
C10(A), C11(B) Combination Meter
Rear Fog
Front Fog
J30 Junction Connector
J10(A), J11(B), J26(C), J27(D) Junction Connector
J 3(A), J 4(B) Junction Connector
F 4 Front Fog Light RH
F 3 Front Fog Light LH
Lower Back Panel Center (S/D, H/B) Lower Back Panel Right (W/G)
Lower Back Panel Left
Left Kick Panel
Right Kick Panel
Engine Compartment Right
Engine Compartment Left
10A TAIL
TAIL Relay
Taillight System <14–1>
15A FR FOG
7. 5A RR FOG
120A ALT (*7) 100A ALT (*8)
140A ALT
FL MAIN 3. 0W
Battery

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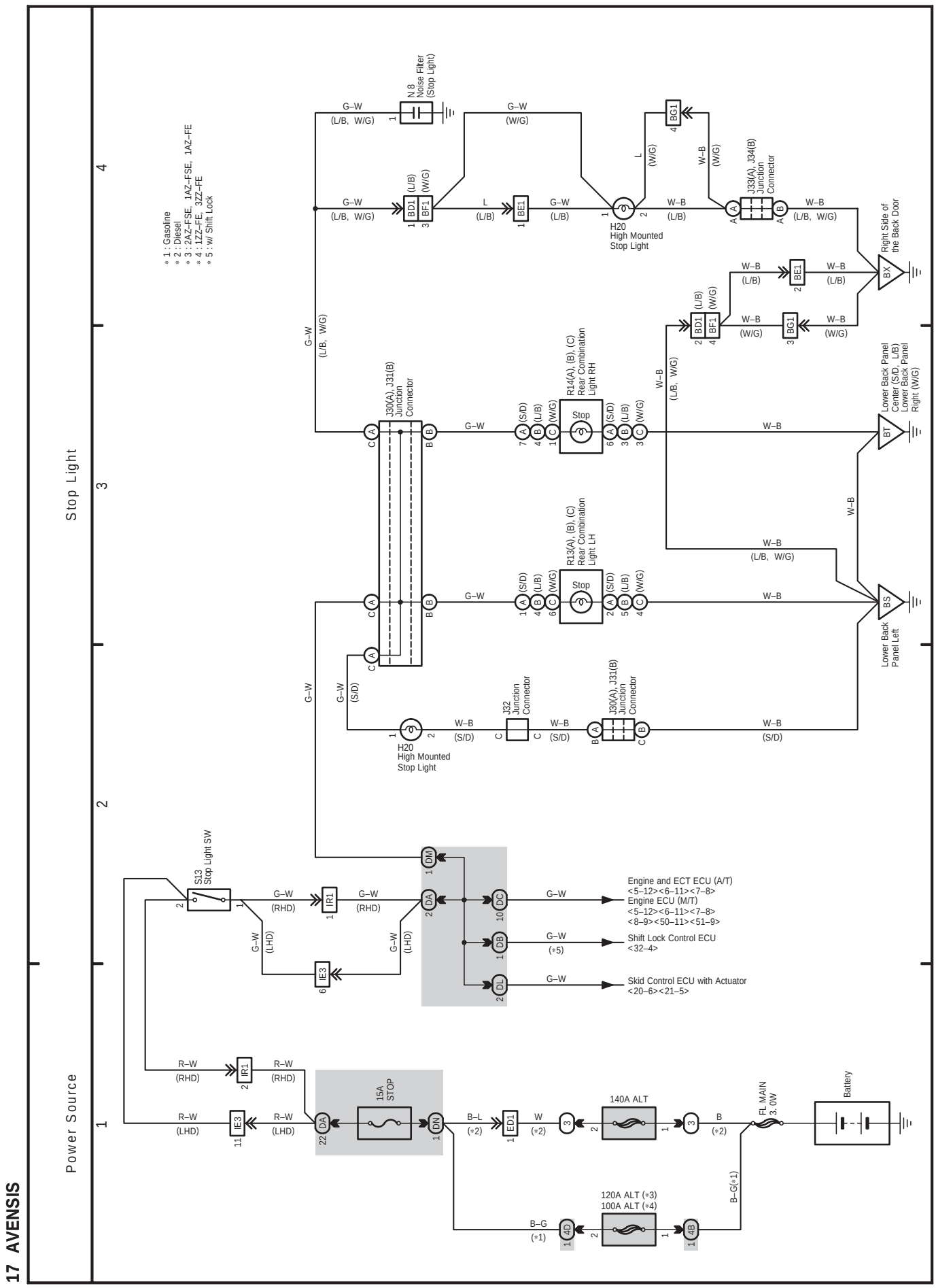
17 AVENSIS
Power Source
Stop Light
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE
* 5 : w/ Shift Lock
N 8 Noise Filter (Stop Light)
H20 High Mounted Stop Light
J33(A), J34(B) Junction Connector
Right Side of the Back Door
J30(A), J31(B) Junction Connector
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Stop
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
Lower Back Panel Left
J32 Junction Connector
S13 Stop Light SW
Engine and ECT ECU (A/T)
<5–12><6–11><7–8>
Engine ECU (M/T)
<5–12><6–11><7–8>
<8–9><50–11><51–9>
Shift Lock Control ECU
<32–4>
Skid Control ECU with Actuator
<20–6><21–5>
15A STOP
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery

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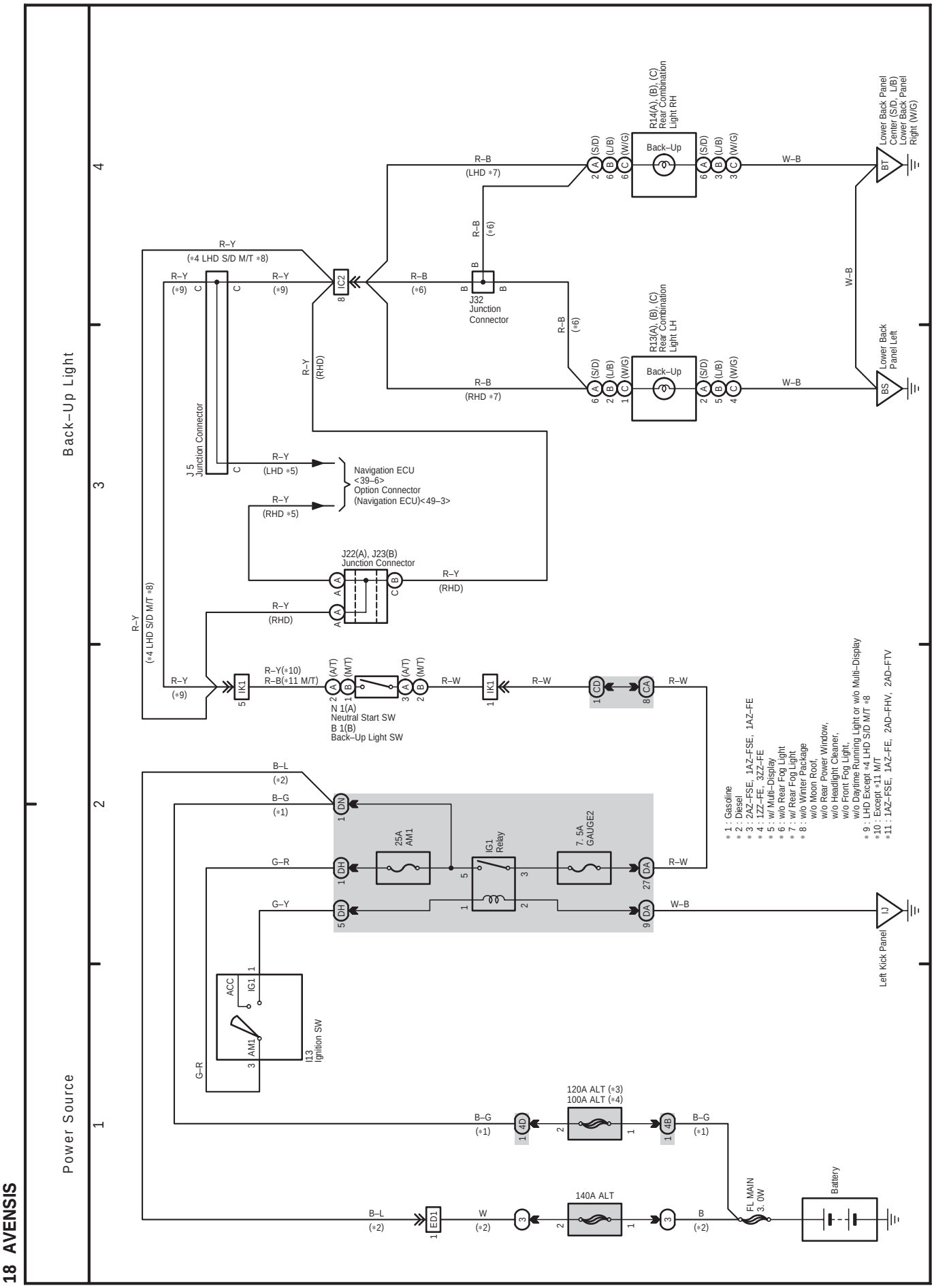
Back–Up Light
Power Source
1
2
3
4
R14(A), (B), (C)
Rear Combination
Light RH
Back–Up
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
R13(A), (B), (C)
Rear Combination
Light LH
Lower Back
Panel Left
J32
Junction
Connector
J5
Junction Connector
Navigation ECU
<39–6>
Option Connector
(Navigation ECU)<49–3>
J22(A), J23(B)
Junction Connector
N 1(A)
Neutral Start SW
B 1(B)
Back–Up Light SW
25A
AM1
IG1
Relay
7. 5A
GAUGE2
ACC
IG1
AM1
I13
Ignition SW
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
Left Kick Panel
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/o Rear Fog Light
* 7 : w/ Rear Fog Light
* 8 : w/o Winter Package
w/o Moon Roof,
w/o Rear Power Window,
w/o Headlight Cleaner,
w/o Front Fog Light,
w/o Daytime Running Light or w/o Multi–Display
* 9 : LHD Except *4 LHD S/D M/T *8
*10 : Except *11 M/T
*11 : 1AZ–FSE, 1AZ–FE, 2AD–FHV, 2AD–FTV

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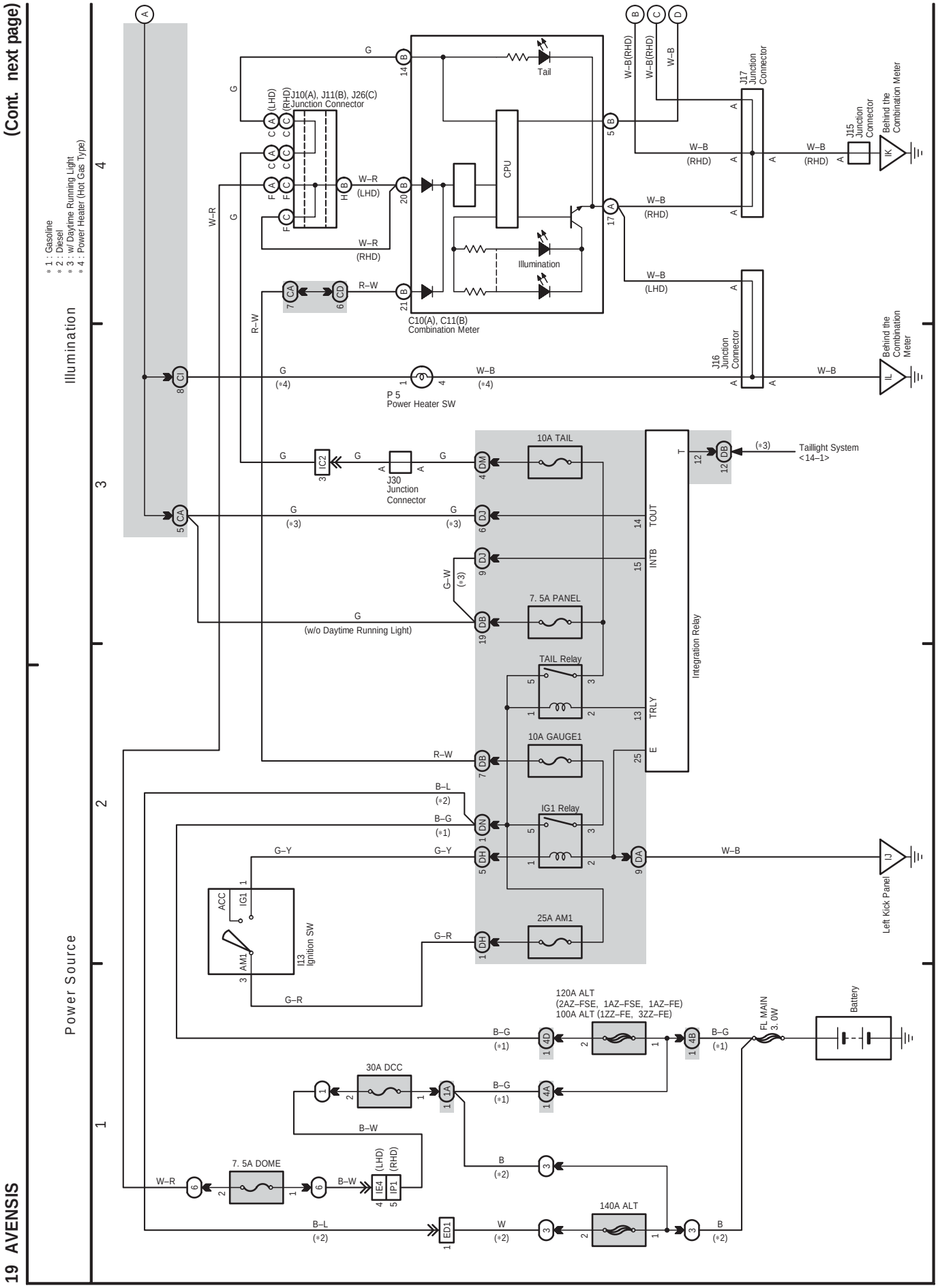
(Cont. next page)
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Daytime Running Light
* 4 : Power Heater (Hot Gas Type)
Illumination
Power Source
J10(A), J11(B), J26(C) Junction Connector
C10(A), C11(B) Combination Meter
Tail
CPU
Illumination
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
J16 Junction Connector
P 5 Power Heater SW
10A TAIL
Taillight System <14–1>
J30 Junction Connector
7. 5A PANEL
(w/o Daytime Running Light)
TAIL Relay
Integration Relay
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
Left Kick Panel
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
30A DCC
7. 5A DOME
140A ALT
19 AVENSIS

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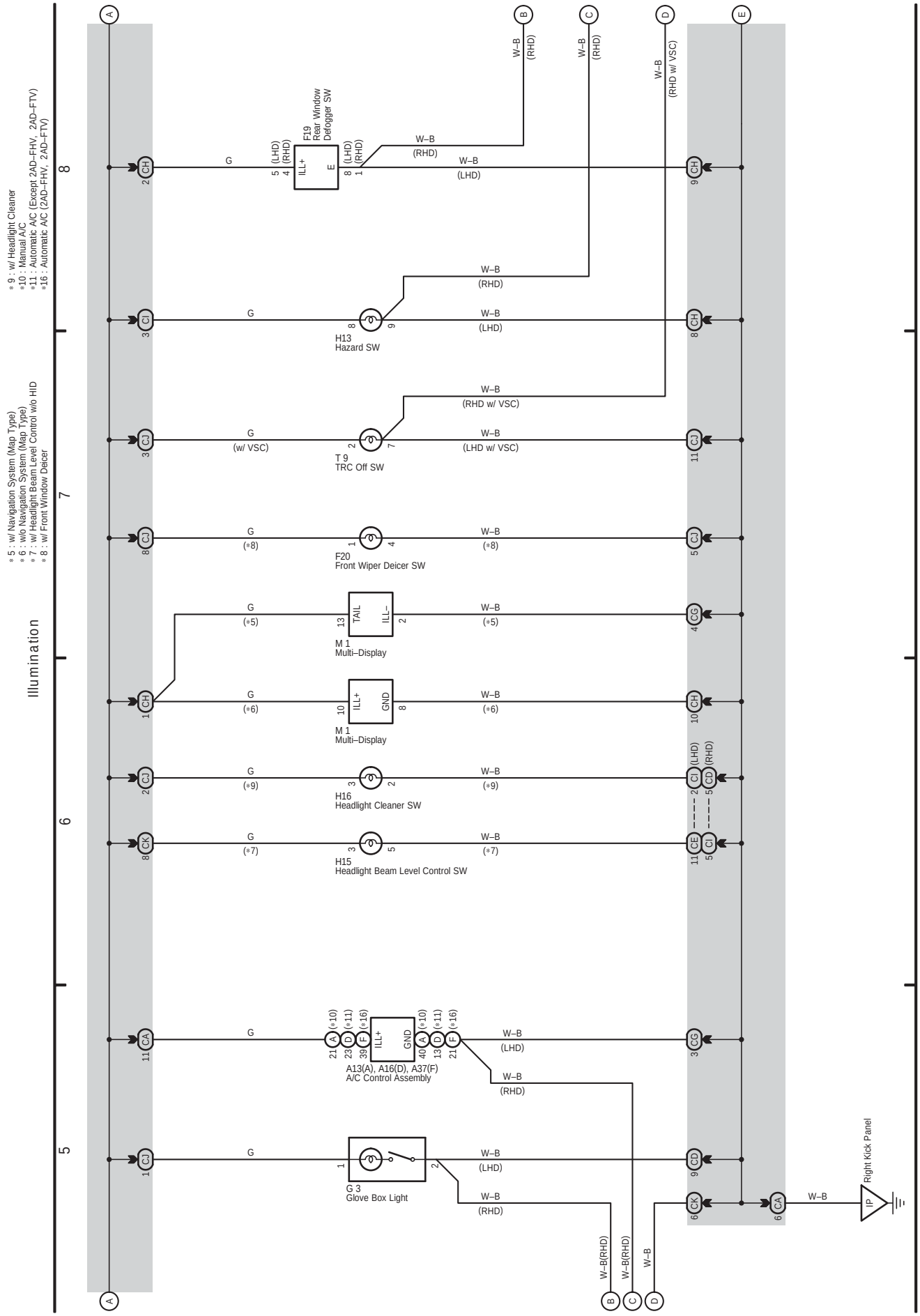
19 AVENSIS (Cont' d)

(Cont. next page)



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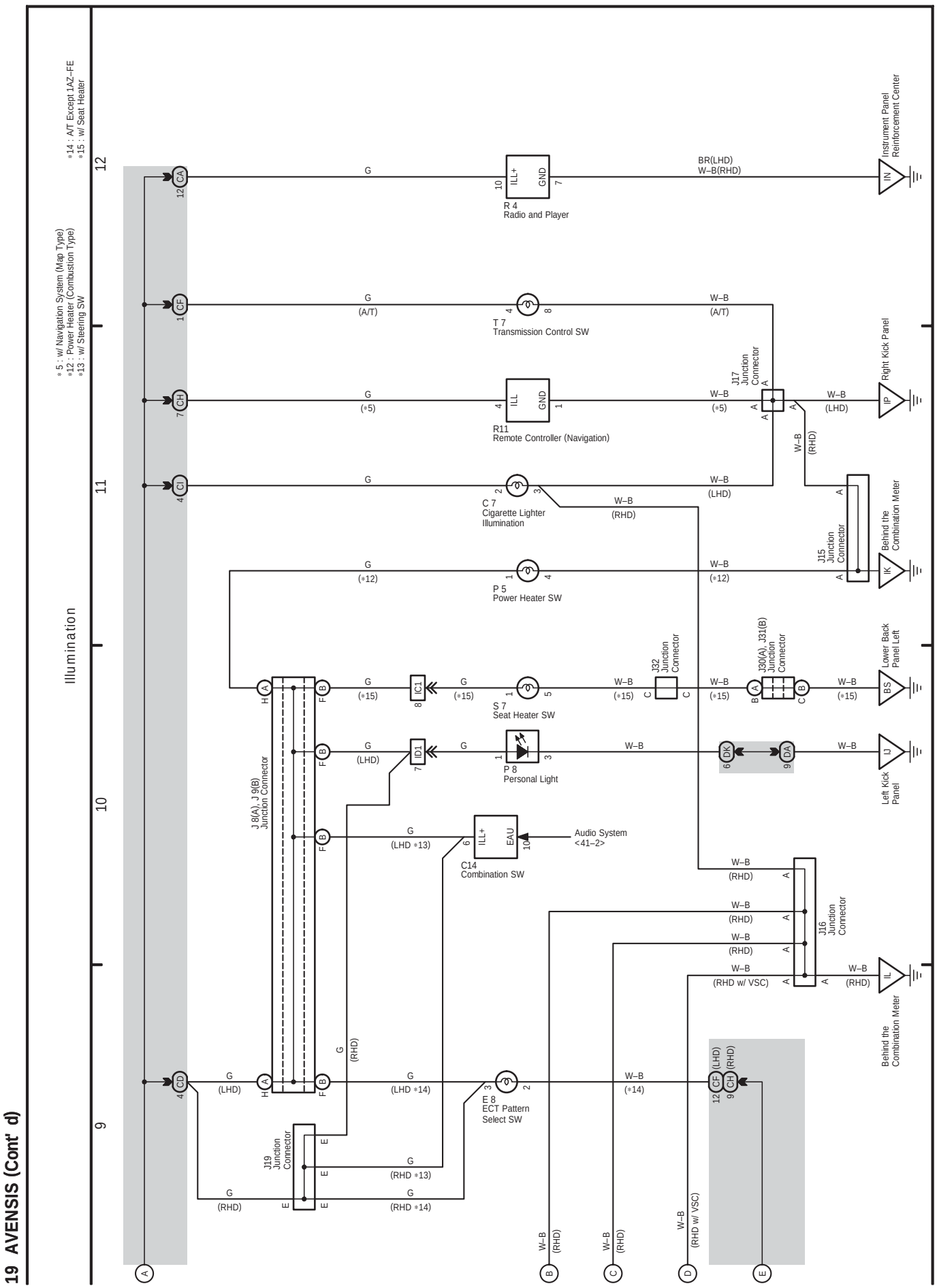
19 AVENSIS (Cont' d)
Illumination
*14 : A/T Except 1AZ–FE
*15 : w/ Seat Heater
* 5 : w/ Navigation System (Map Type)
*12 : Power Heater (Combustion Type)
*13 : w/ Steering SW
Instrument Panel Reinforcement Center
R 4 Radio and Player
T 7 Transmission Control SW
R11 Remote Controller (Navigation)
C 7 Cigarette Lighter Illumination
P 5 Power Heater SW
S 7 Seat Heater SW
P 8 Personal Light
C14 Combination SW
E 8 ECT Pattern Select SW
Audio System <41–2>
J17 Junction Connector
J15 Junction Connector
J32 Junction Connector
J30(A), J31(B) Junction Connector
J 8(A), J 9(B) Junction Connector
J19 Junction Connector
J16 Junction Connector
Right Kick Panel
Behind the Combination Meter
Lower Back Panel Left
Left Kick Panel
Behind the Combination Meter
BR(LHD) W–B(RHD)
W–B (A/T)
W–B (*5)
W–B (LHD)
W–B (RHD)
W–B (*12)
W–B (*15)
W–B (RHD w/ VSC)
G (A/T)
G (*5)
G (*12)
G (*15)
G (LHD)
G (RHD)
G (LHD *13)
G (LHD *14)
G (RHD *13)
G (RHD *14)
W–B (*14)

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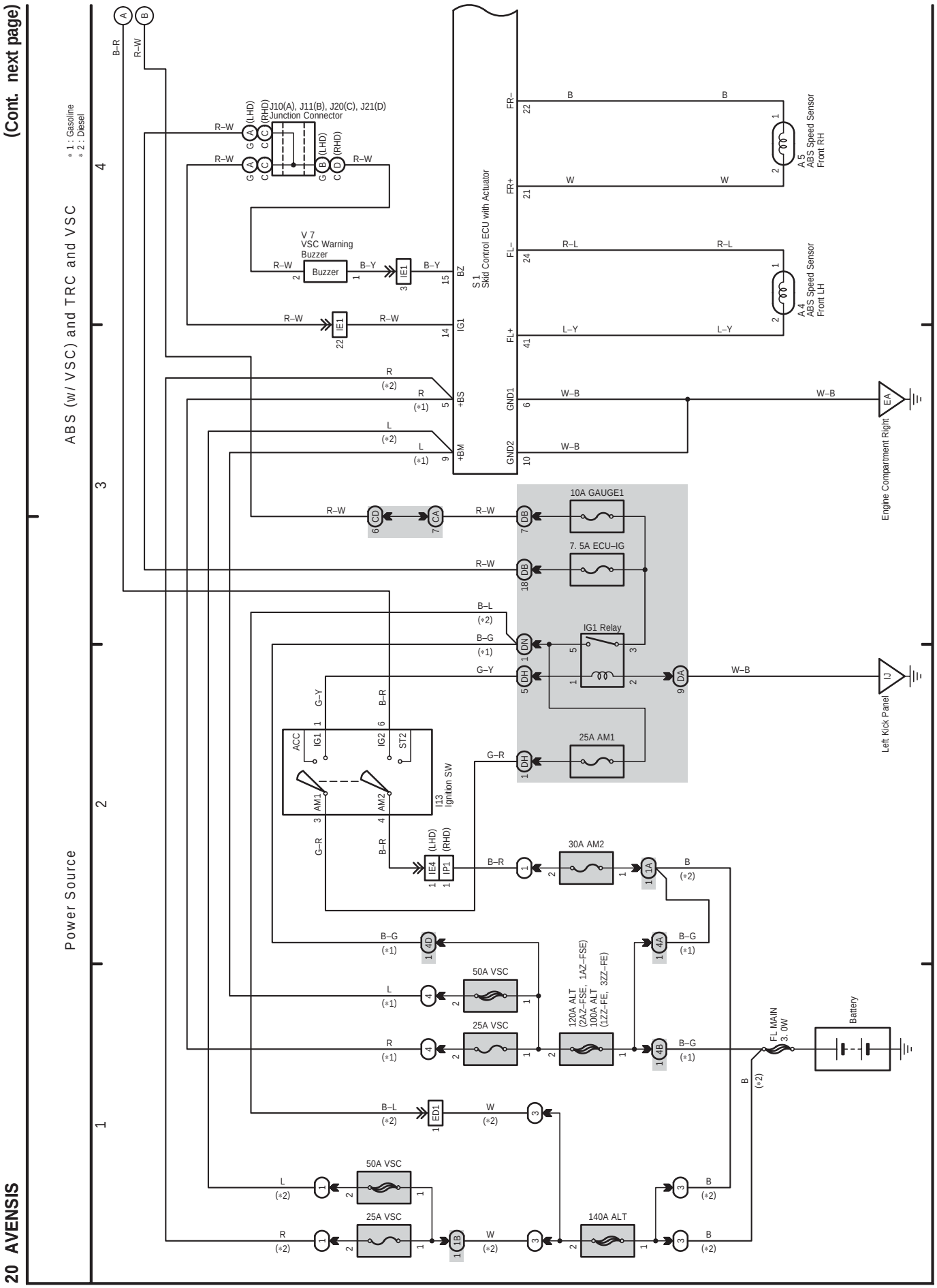
(Cont. next page)
ABS (w/ VSC) and TRC and VSC
Power Source
20 AVENSIS
* 1 : Gasoline
* 2 : Diesel
J10(A), J11(B), J20(C), J21(D)
Junction Connector
V 7
VSC Warning
Buzzer
Buzzer
S 1
Skid Control ECU with Actuator
A 5
ABS Speed Sensor
Front RH
A 4
ABS Speed Sensor
Front LH
Engine Compartment Right
EA
Left Kick Panel
IJ
10A GAUGE1
7. 5A ECU–IG
IG1 Relay
25A AM1
30A AM2
I13
Ignition SW
50A VSC
25A VSC
120A ALT
(2AZ–FSE, 1AZ–FSE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN
3. 0W
Battery

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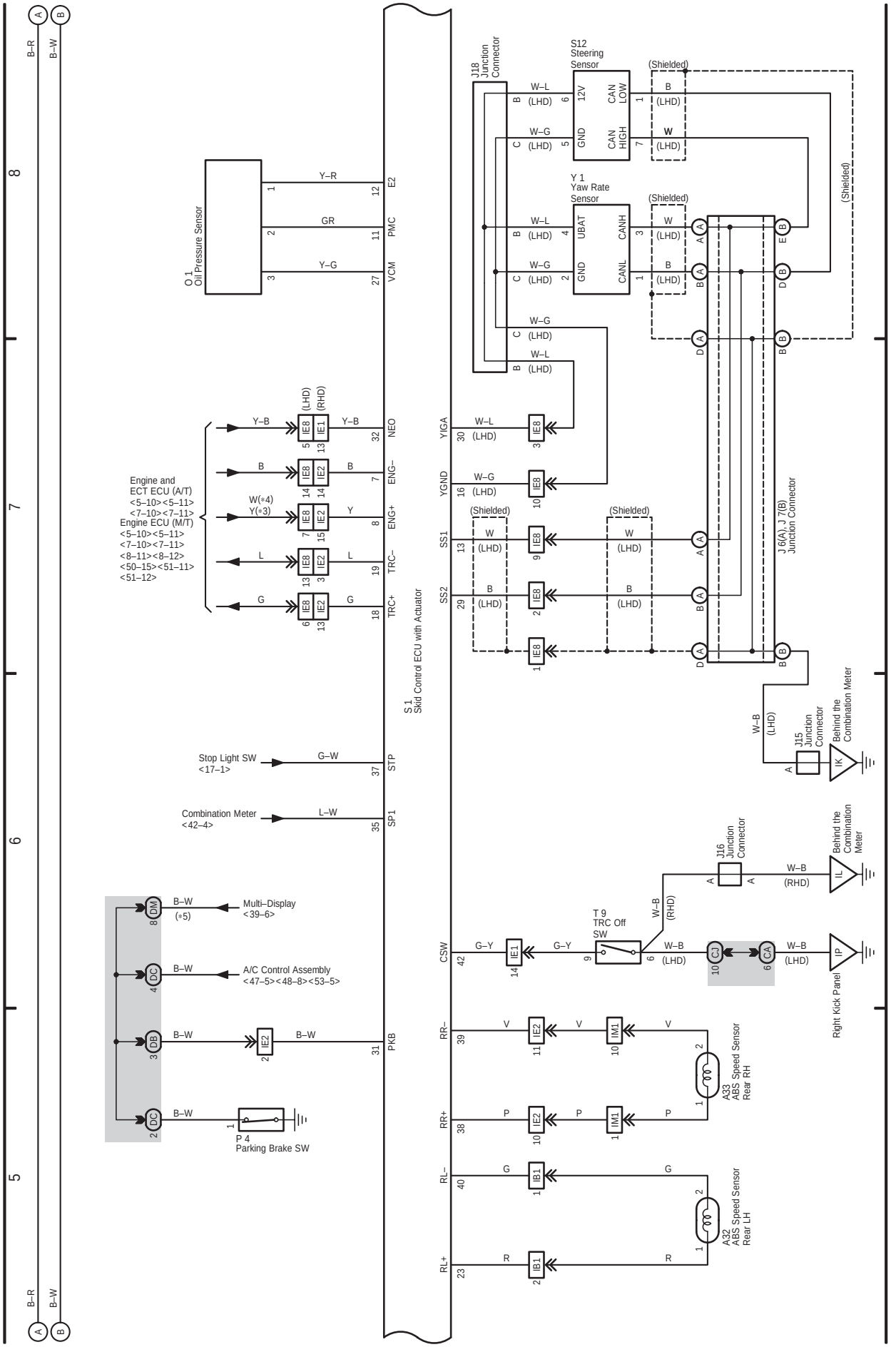
20 AVENSIS (Cont' d)

(Cont. next page)



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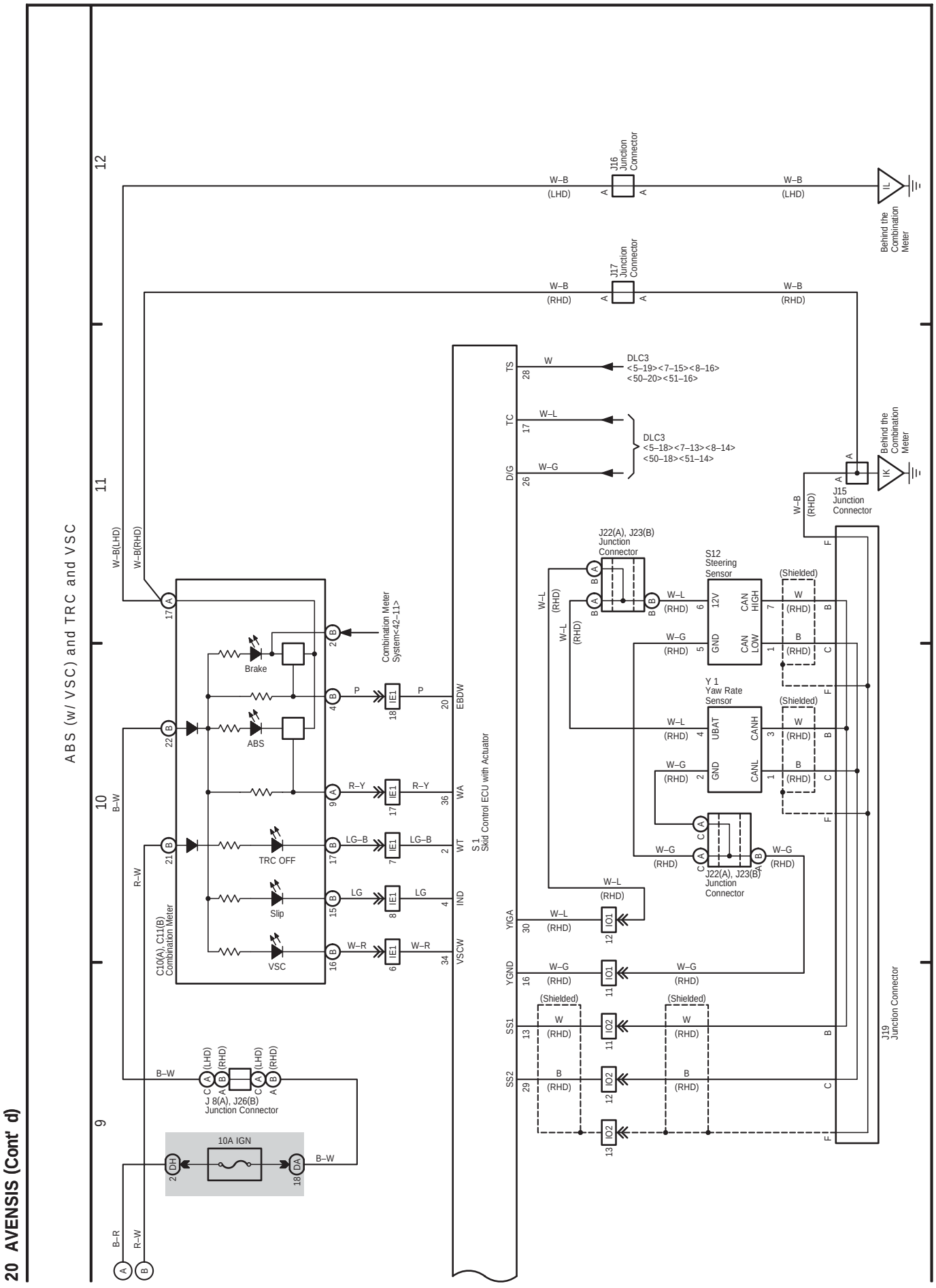
20 AVENSIS (Cont' d)
ABS (w/ VSC) and TRC and VSC
12
11
10
9
J16 Junction Connector
J17 Junction Connector
W–B (LHD)
W–B (RHD)
IL
IK
Behind the Combination Meter
J15 Junction Connector
DLC3
<5–19><7–15><8–16>
<50–20><51–16>
DLC3
<5–18><7–13><8–14>
<50–18><51–14>
TS
TC
D/G
W
W–L
W–G
J22(A), J23(B) Junction Connector
S12 Steering Sensor
Y 1 Yaw Rate Sensor
(Shielded)
12V
GND
CAN HIGH
CAN LOW
UBAT
CANH
CANL
W–L (RHD)
W–G (RHD)
W–B(LHD)
W–B(RHD)
Combination Meter System<42–11>
Brake
ABS
TRC OFF
Slip
VSC
C10(A), C11(B) Combination Meter
P
R–Y
LG–B
LG
W–R
EBDW
WA
WT
IND
VSCW
S 1 Skid Control ECU with Actuator
YIGA
YGND
SS1
SS2
IO1
IO2
J 8(A), J26(B) Junction Connector
(LHD)
(RHD)
10A IGN
B–W
B–R
R–W
J19 Junction Connector

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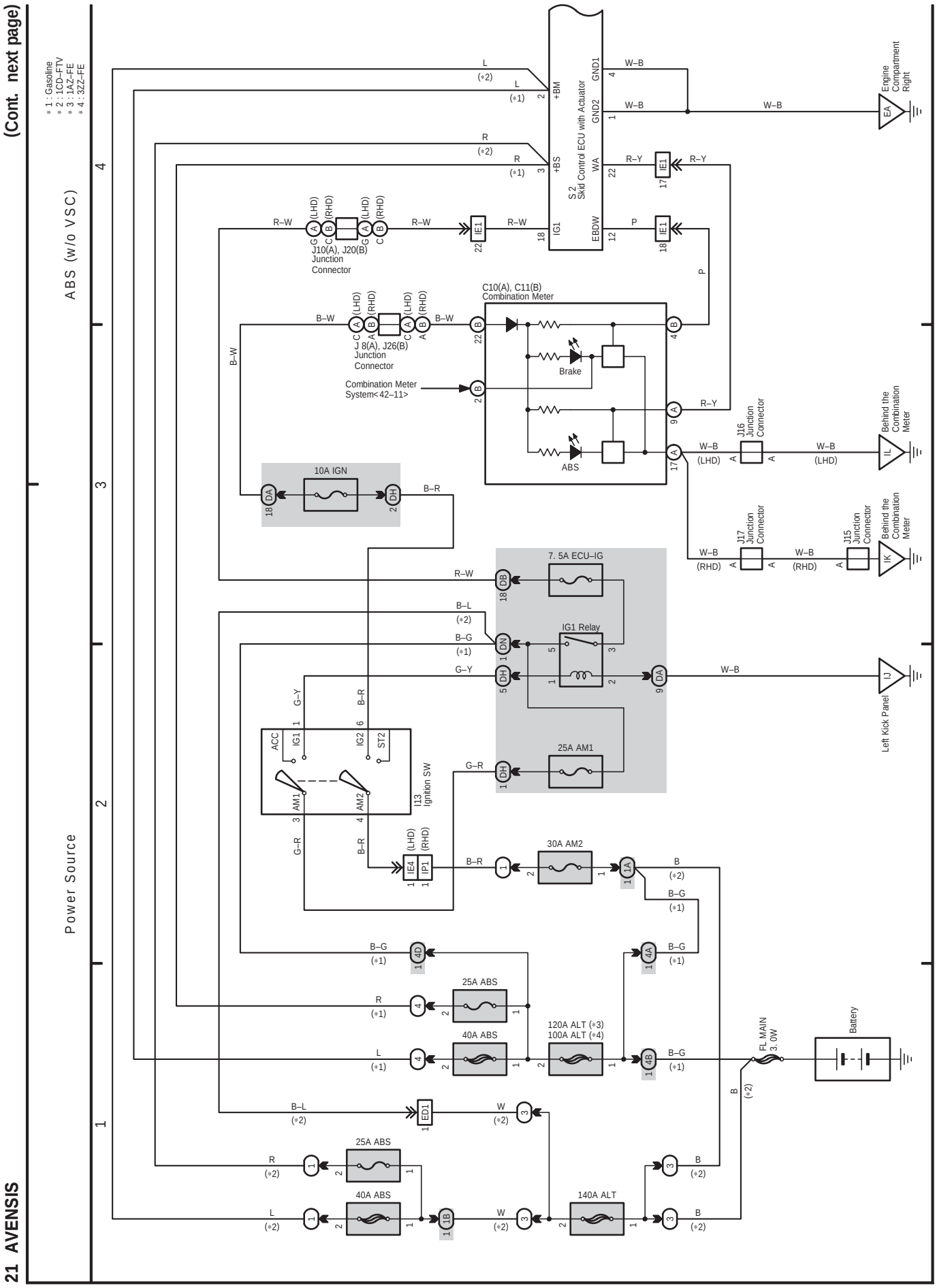
(Cont. next page)
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FE
*4 : 3ZZ–FE
ABS (w/o VSC)
Power Source
21 AVENSIS
S2 Skid Control ECU with Actuator
+BM
+BS
IG1
GND1
GND2
WA
EBDW
J10(A), J20(B) Junction Connector
J 8(A), J26(B) Junction Connector
C10(A), C11(B) Combination Meter
Brake
ABS
Combination Meter System< 42–11>
10A IGN
7. 5A ECU–IG
IG1 Relay
25A AM1
30A AM2
I13 Ignition SW
25A ABS
40A ABS
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
Engine Compartment Right
Left Kick Panel
Behind the Combination Meter
J15 Junction Connector
J16 Junction Connector
J17 Junction Connector

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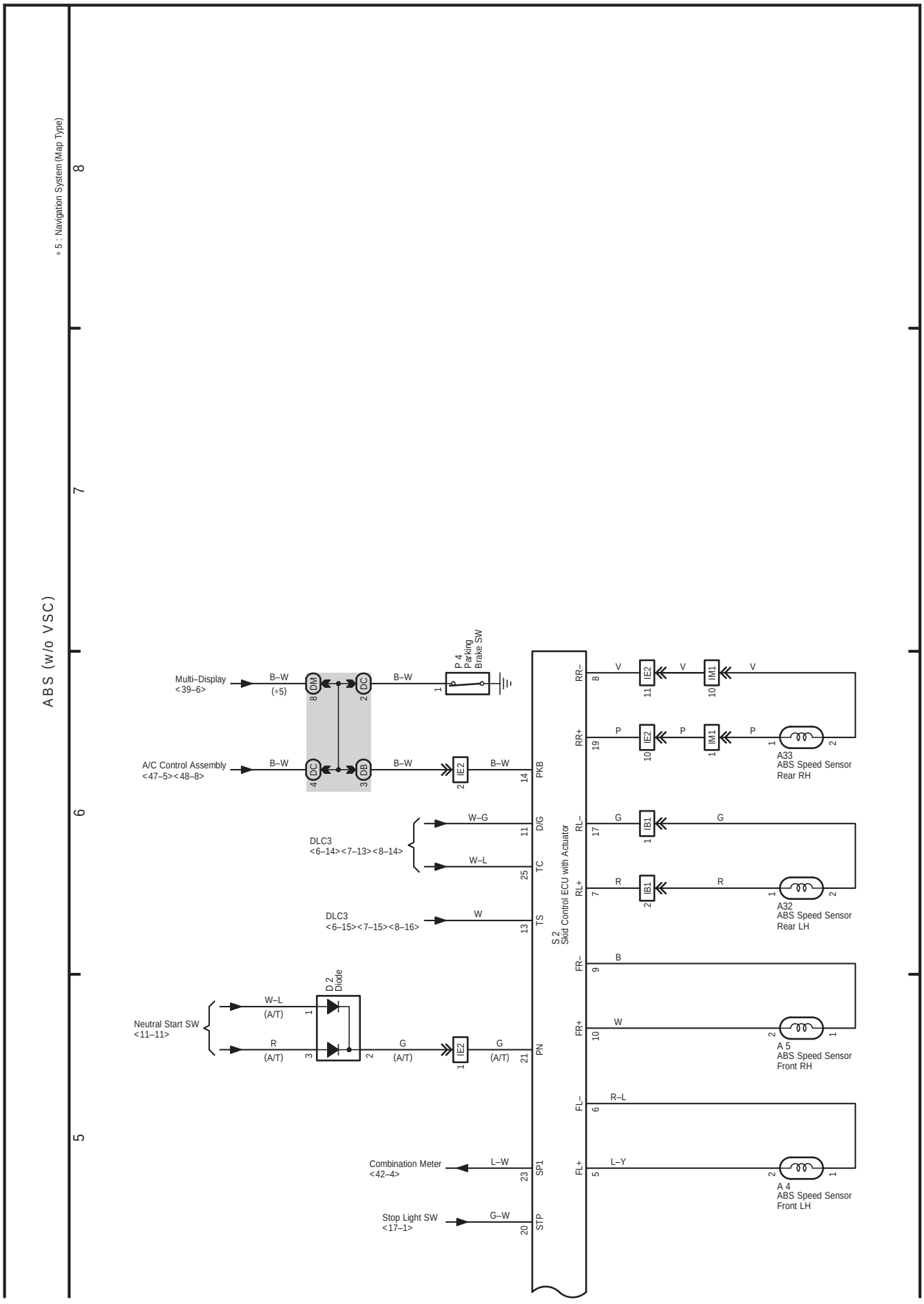
21 AVENSIS (Cont' d)
ABS (w/o VSC)
*5 : Navigation System (Map Type)
5
6
7
8
Multi–Display
<39–6>
B–W
(*5)
8 DM
2 DC
B–W
1
P 4
Parking
Brake SW
A/C Control Assembly
<47–5><48–8>
B–W
4 DC
3 DB
B–W
2 IE2
B–W
14 PKB
DLC3
<6–14><7–13><8–14>
W–G
11 D/G
W–L
25 TC
DLC3
<6–15><7–15><8–16>
W
13 TS
Neutral Start SW
<11–11>
W–L
(A/T)
1
D 2
Diode
R
(A/T)
3
2
G
(A/T)
1 IE2
G
(A/T)
21 PN
Combination Meter
<42–4>
L–W
23 SP1
Stop Light SW
<17–1>
G–W
20 STP
S 2
Skid Control ECU with Actuator
RR–
8
V
11 IE2
V
10 IM1
V
RR+
19
P
10 IE2
P
1 IM1
P
1
2
A33
ABS Speed Sensor
Rear RH
RL–
17
G
1 IB1
G
RL+
7
R
2 IB1
R
1
2
A32
ABS Speed Sensor
Rear LH
FR–
9
B
FR+
10
W
2
1
A 5
ABS Speed Sensor
Front RH
FL–
6
R–L
FL+
5
L–Y
2
1
A 4
ABS Speed Sensor
Front LH

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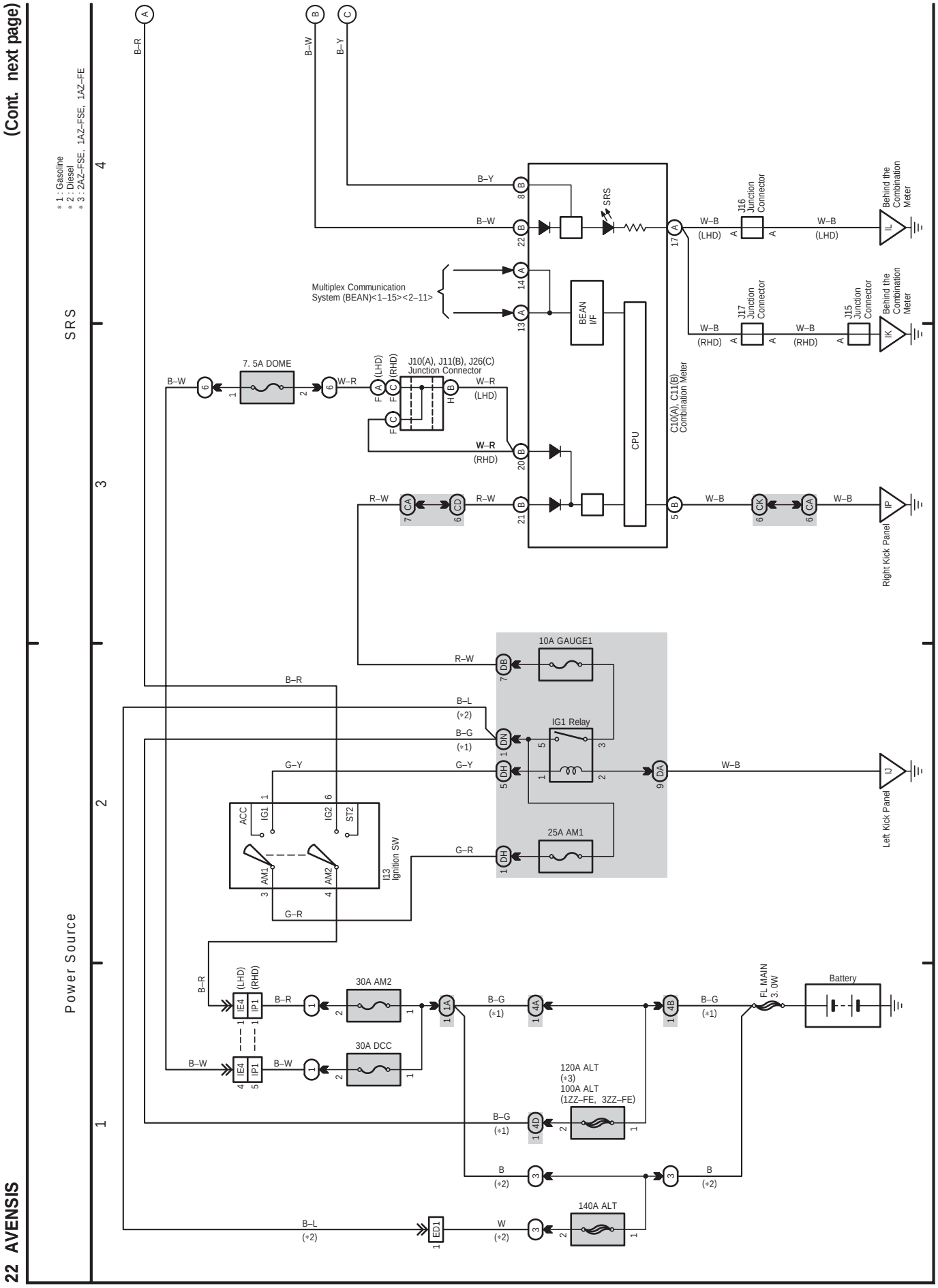
(Cont. next page)
*1 : Gasoline
*2 : Diesel
*3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
SRS
Power Source
22 AVENSIS
Multiplex Communication System (BEAN)<1–15><2–11>
BEAN I/F
CPU
C10(A), C11(B) Combination Meter
SRS
7. 5A DOME
J10(A), J11(B), J26(C) Junction Connector
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
Right Kick Panel
Left Kick Panel
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
30A AM2
30A DCC
120A ALT (*3) 100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN
Battery

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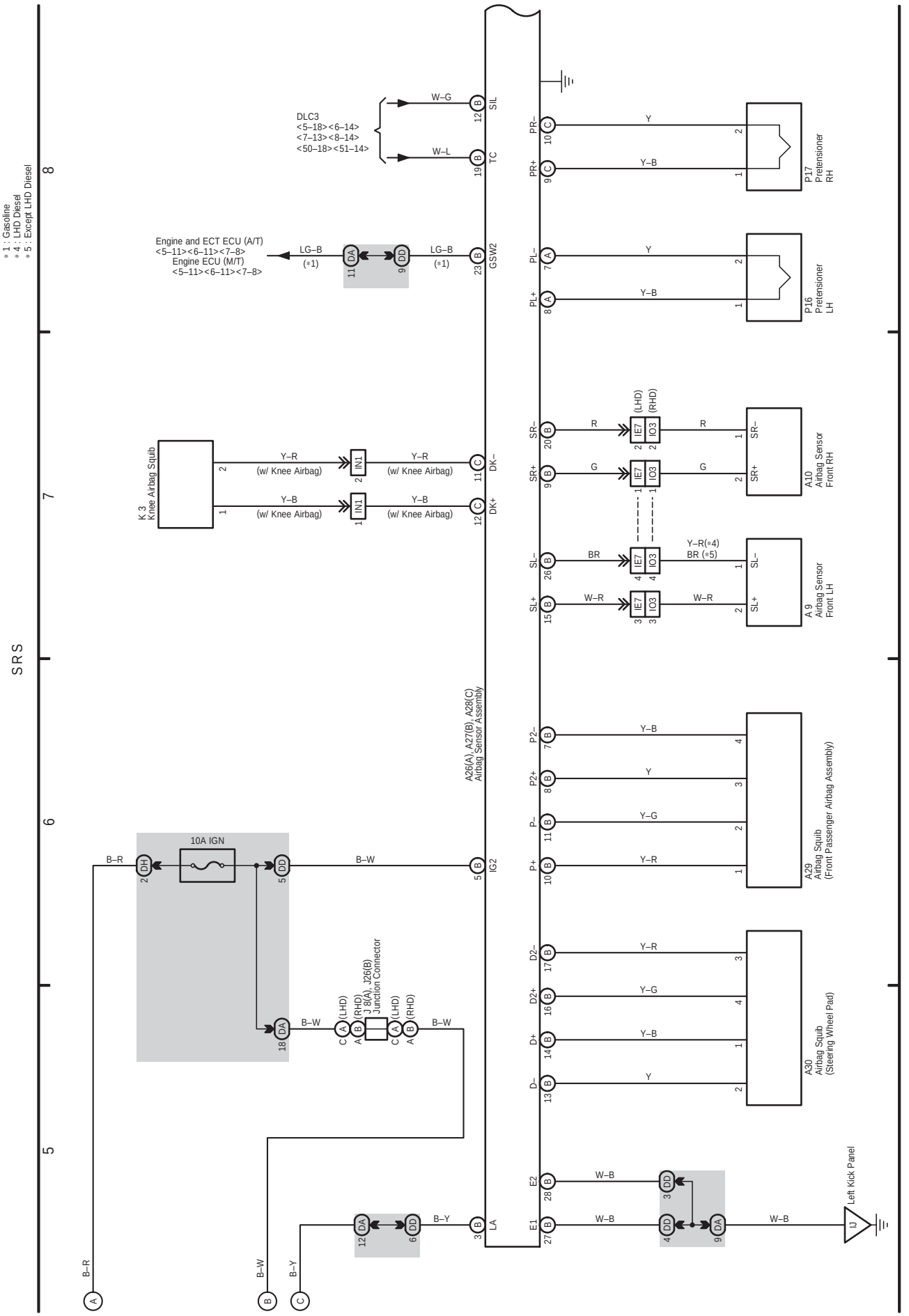
22 AVENSIS (Cont' d)

(Cont. next page)



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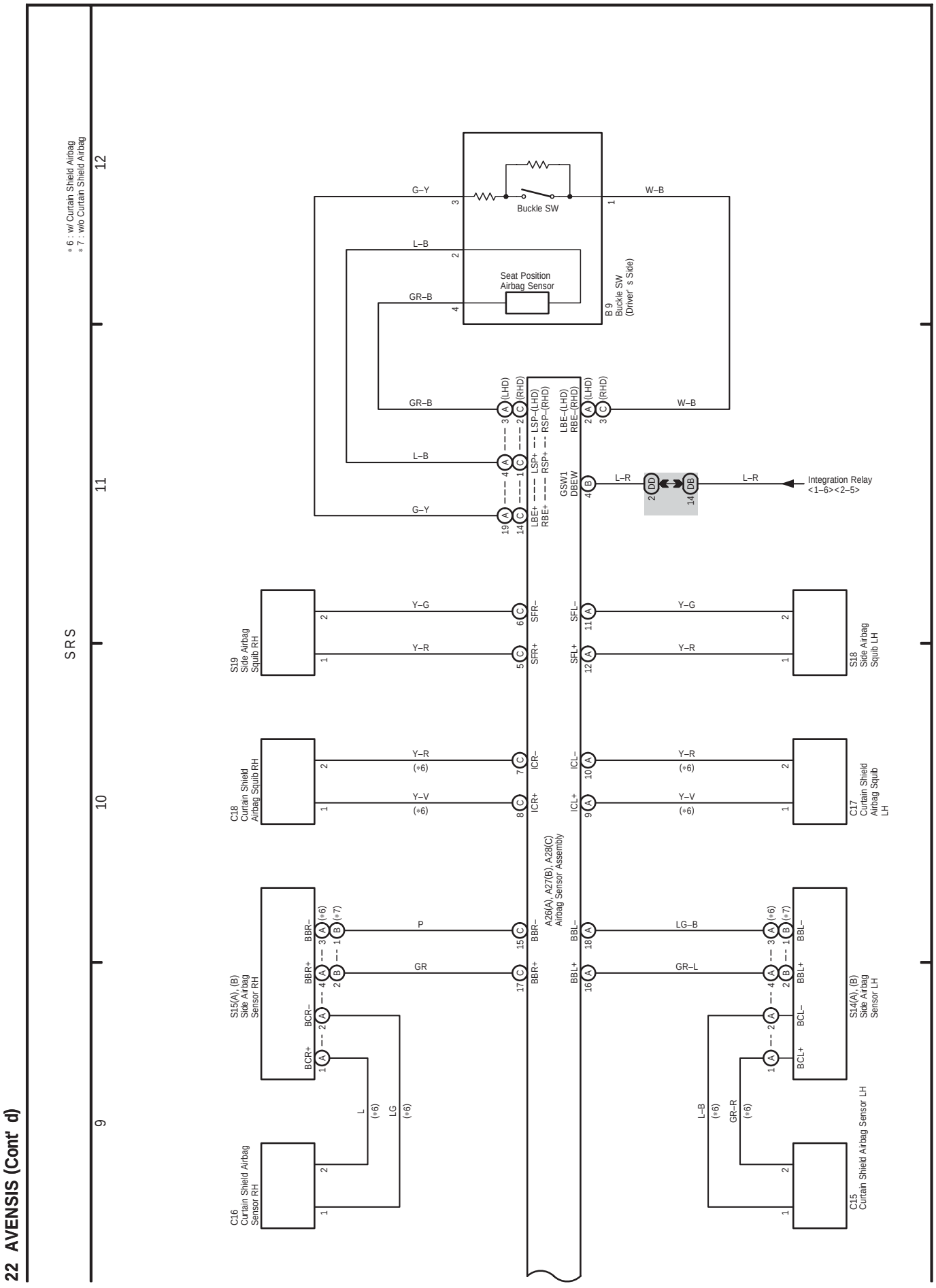
22 AVENSIS (Cont' d)
SRS
9
10
11
12
* 6 : w/ Curtain Shield Airbag
* 7 : w/o Curtain Shield Airbag
Buckle SW
Seat Position Airbag Sensor
B 9 Buckle SW (Driver' s Side)
G–Y
W–B
L–B
GR–B
GSW1
DBEW
LBE–(LHD)
RBE–(RHD)
LSP–(LHD)
RSP–(RHD)
LBE+
RBE+
LSP+
RSP+
L–R
Integration Relay <1–6><2–5>
S19 Side Airbag Squib RH
S18 Side Airbag Squib LH
C18 Curtain Shield Airbag Squib RH
C17 Curtain Shield Airbag Squib LH
A26(A), A27(B), A28(C) Airbag Sensor Assembly
SFR–
SFR+
SFL–
SFL+
ICR–
ICR+
ICL–
ICL+
Y–G
Y–R
Y–V
(*6)
S15(A), (B) Side Airbag Sensor RH
S14(A), (B) Side Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C15 Curtain Shield Airbag Sensor LH
BBR–
BBR+
BBL–
BBL+
BCR–
BCR+
BCL–
BCL+
P
GR
LG–B
GR–L
L
LG
L–B
GR–R
(*7)

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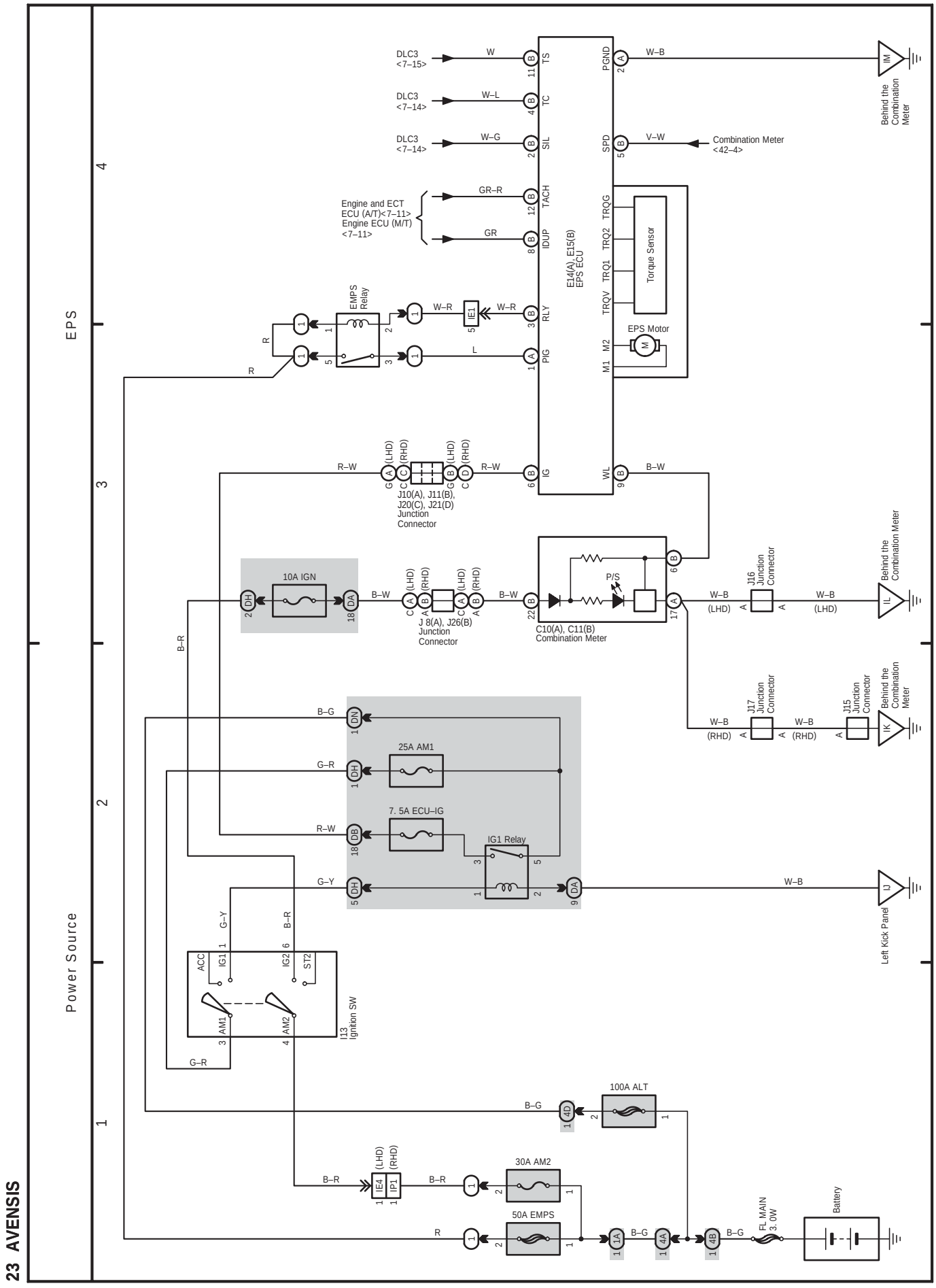
23 AVENSIS
EPS
Power Source
1
2
3
4
DLC3 <7–15>
DLC3 <7–14>
DLC3 <7–14>
Engine and ECT ECU (A/T)<7–11> Engine ECU (M/T) <7–11>
E14(A), E15(B) EPS ECU
TS
TC
SIL
TACH
IDUP
RLY
PIG
IG
PGND
SPD
TRQG
TRQ2
TRQ1
TRQV
M2
M1
WL
Torque Sensor
EPS Motor
Combination Meter <42–4>
Behind the Combination Meter
EMPS Relay
IE1
J10(A), J11(B), J20(C), J21(D) Junction Connector
J 8(A), J26(B) Junction Connector
C10(A), C11(B) Combination Meter
P/S
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
10A IGN
25A AM1
7. 5A ECU–IG
IG1 Relay
Left Kick Panel
L13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
100A ALT
30A AM2
50A EMPS
IE4
IP1
FL MAIN 3. 0W
Battery
W
W–L
W–G
GR–R
GR
W–R
L
R
R–W
B–W
B–R
B–G
G–Y
G–R
W–B
(LHD)
(RHD)

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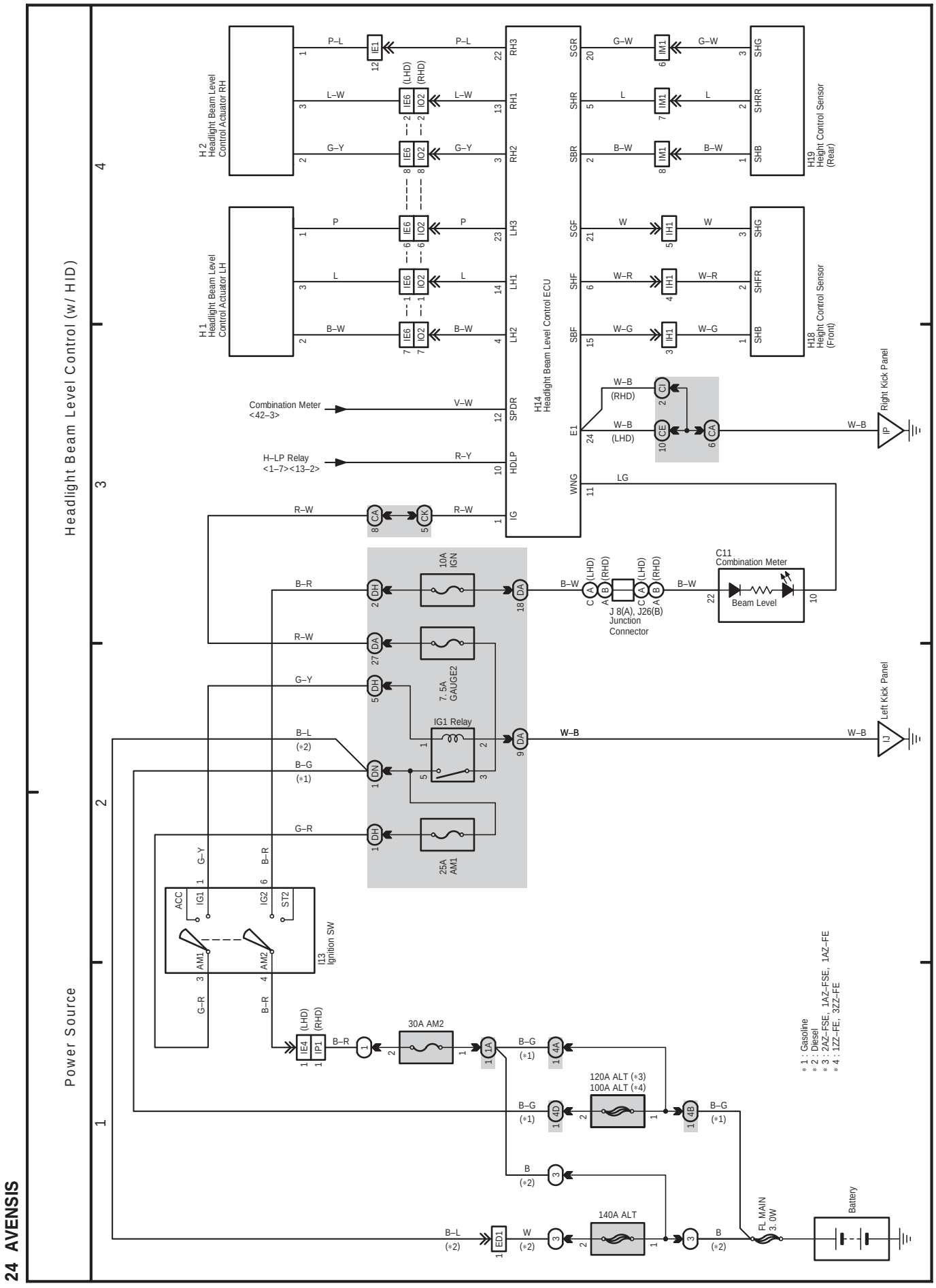
Headlight Beam Level Control (w/ HID)
Power Source
H1 Headlight Beam Level Control Actuator LH
H2 Headlight Beam Level Control Actuator RH
H14 Headlight Beam Level Control ECU
H18 Height Control Sensor (Front)
H19 Height Control Sensor (Rear)
Combination Meter <42–3>
H–LP Relay <1–7><13–2>
Right Kick Panel
Left Kick Panel
C11 Combination Meter
Beam Level
J 8(A), J26(B) Junction Connector
I13 Ignition SW
IG1 Relay
10A IGN
7. 5A GAUGE2
25A AM1
30A AM2
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE

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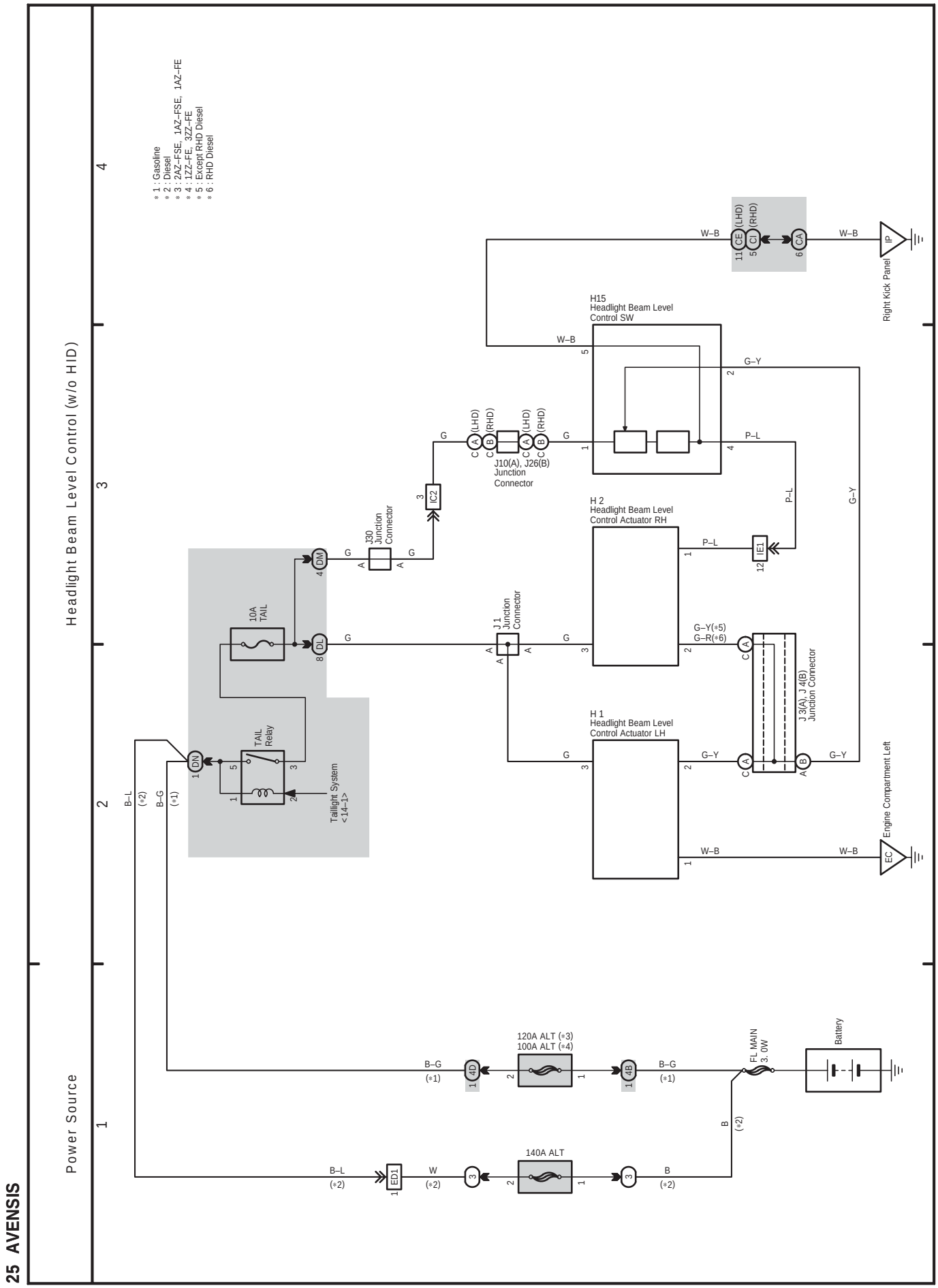
25 AVENSIS
Power Source
Headlight Beam Level Control (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : Except RHD Diesel
* 6 : RHD Diesel
Battery
FL MAIN
3. 0W
120A ALT (*3)
100A ALT (*4)
140A ALT
4D
4B
ED1
IC2
J30 Junction Connector
J10(A), J26(B) Junction Connector
J 1 Junction Connector
J 3(A), J 4(B) Junction Connector
10A TAIL
TAIL Relay
Taillight System <14–1>
H15 Headlight Beam Level Control SW
H 2 Headlight Beam Level Control Actuator RH
H 1 Headlight Beam Level Control Actuator LH
1E1
Right Kick Panel
Engine Compartment Left
IP
EC
B–L (*2)
B–G (*1)
W–B
G–Y
P–L
G–Y(*5)
G–R(*6)
G
W
B
B (*2)

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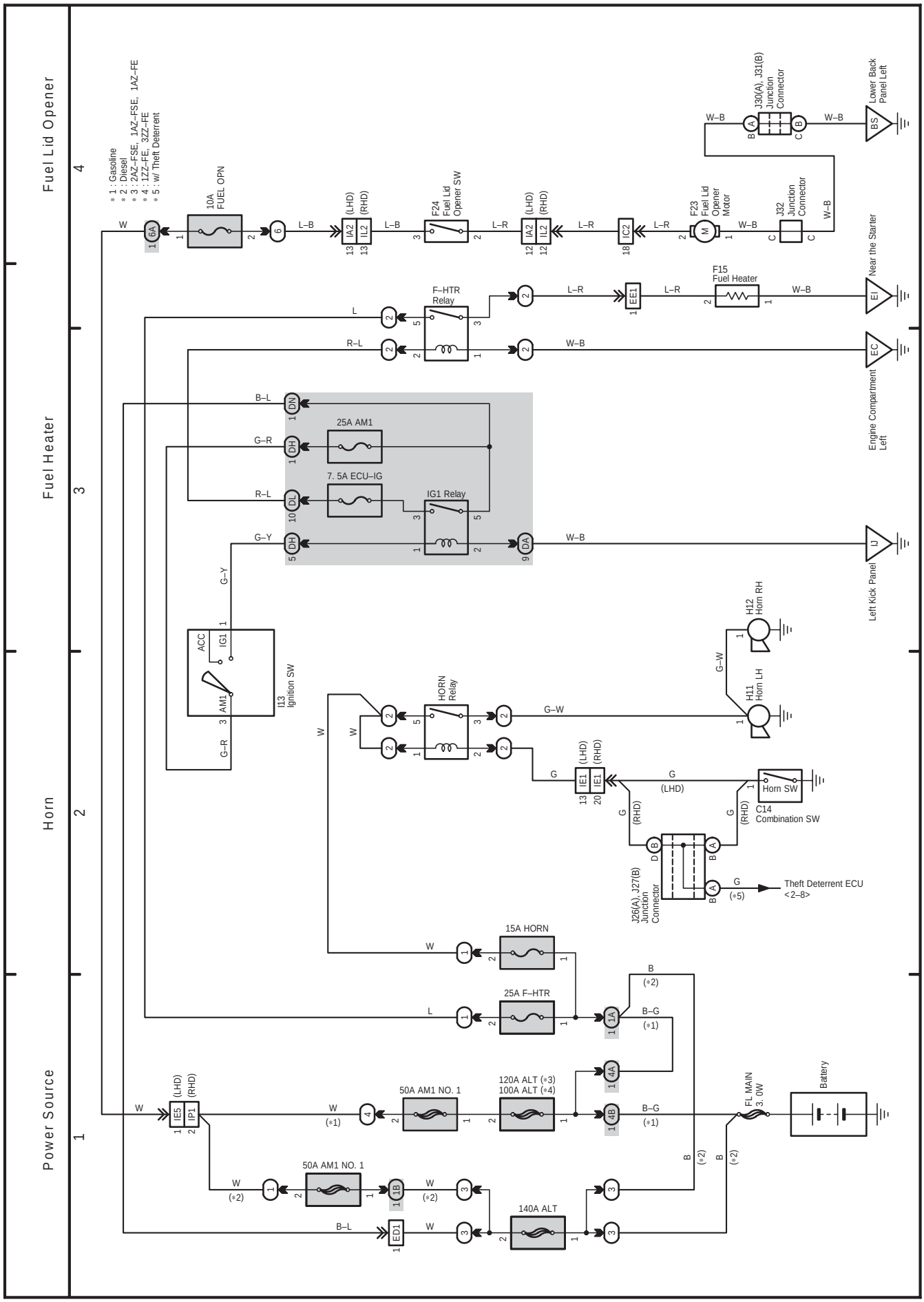
Fuel Lid Opener
Fuel Heater
Horn
Power Source
1
2
3
4
*1 : Gasoline
*2 : Diesel
*3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
*5 : w/ Theft Deterrent
10A FUEL OPN
F24 Fuel Lid Opener SW
F23 Fuel Lid Opener Motor
J32 Junction Connector
J30(A), J31(B) Junction Connector
Lower Back Panel Left
F15 Fuel Heater
Near the Starter
F–HTR Relay
Engine Compartment Left
25A AM1
7. 5A ECU–IG
IG1 Relay
Left Kick Panel
H12 Horn RH
H11 Horn LH
HORN Relay
I13 Ignition SW
Horn SW
C14 Combination SW
J26(A), J27(B) Junction Connector
Theft Deterrent ECU <2–8>
15A HORN
25A F–HTR
50A AM1 NO. 1
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

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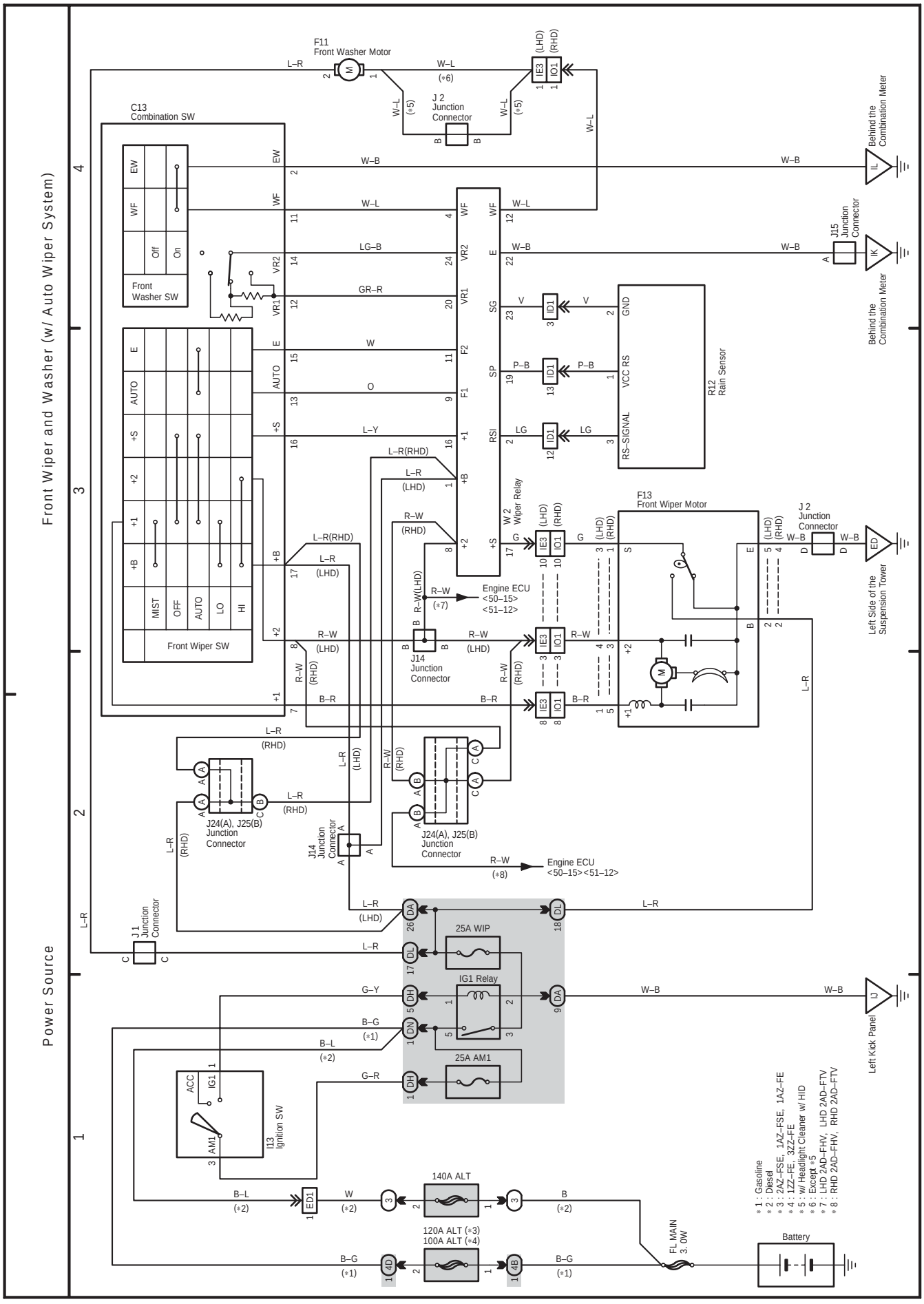
27 AVENSIS
Front Wiper and Washer (w/ Auto Wiper System)
Power Source
F11 Front Washer Motor
C13 Combination SW
Front Washer SW
Front Wiper SW
MIST
OFF
AUTO
LO
HI
J 2 Junction Connector
J15 Junction Connector
Behind the Combination Meter
R12 Rain Sensor
W 2 Wiper Relay
F13 Front Wiper Motor
Left Side of the Suspension Tower
J14 Junction Connector
J24(A), J25(B) Junction Connector
Engine ECU <50–15> <51–12>
J 1 Junction Connector
25A WIP
IG1 Relay
25A AM1
I13 Ignition SW
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
Left Kick Panel
*1 : Gasoline
*2 : Diesel
*3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
*5 : w/ Headlight Cleaner w/ HID
*6 : Except *5
*7 : LHD 2AD–FHV, LHD 2AD–FTV
*8 : RHD 2AD–FHV, RHD 2AD–FTV

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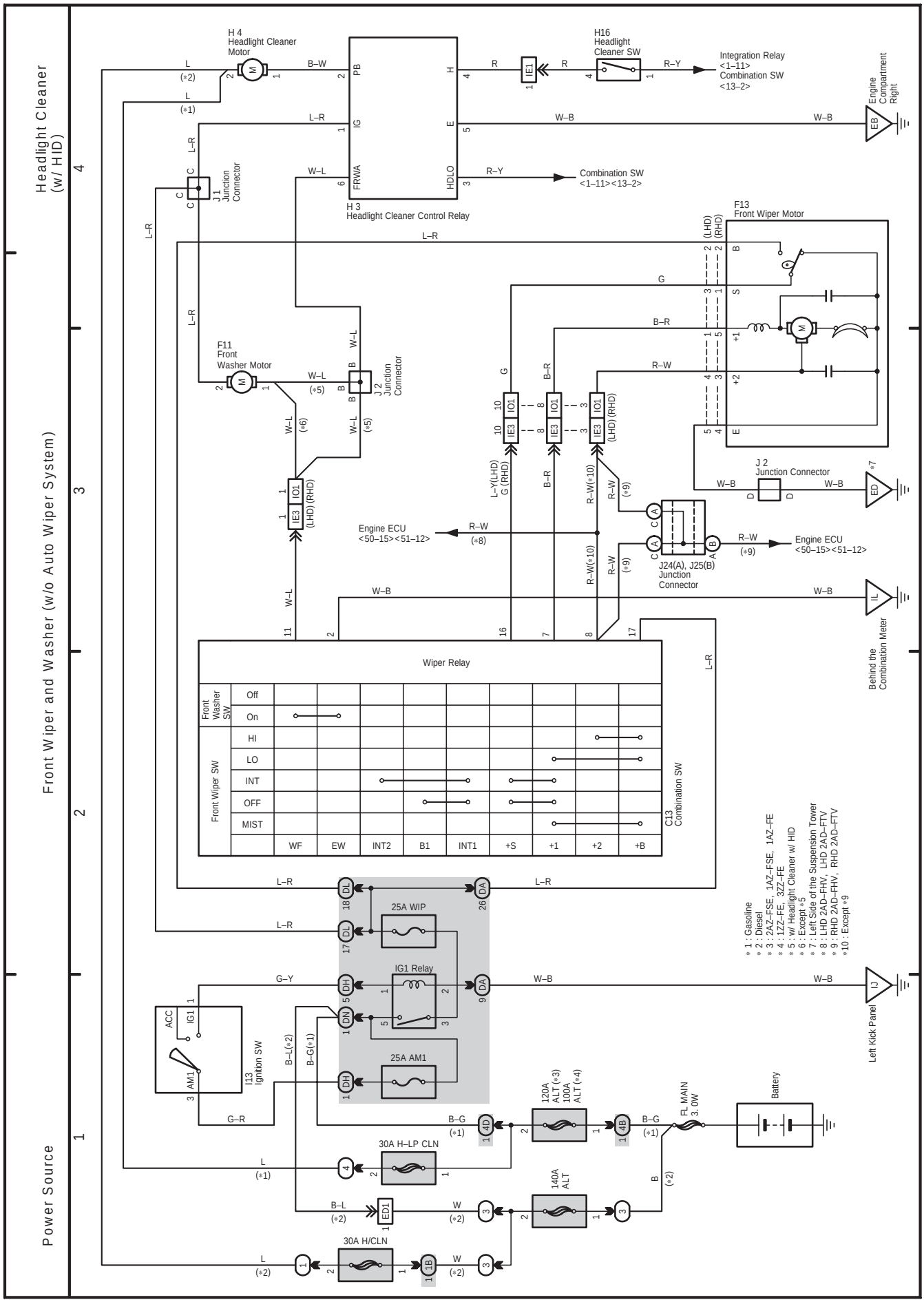
Headlight Cleaner (w/ HID)
Front Wiper and Washer (w/o Auto Wiper System)
Power Source
H 4 Headlight Cleaner Motor
H16 Headlight Cleaner SW
Integration Relay <1–11> Combination SW <13–2>
Engine Compartment Right
J1 Junction Connector
H 3 Headlight Cleaner Control Relay
Combination SW <1–11><13–2>
F13 Front Wiper Motor
F11 Front Washer Motor
J 2 Junction Connector
Engine ECU <50–15><51–12>
J24(A), J25(B) Junction Connector
Behind the Combination Meter
Wiper Relay
Front Washer SW
Front Wiper SW
Off
On
HI
LO
INT
OFF
MIST
WF
EW
INT2
B1
INT1
+S
+1
+2
+B
C13 Combination SW
25A WIP
IG1 Relay
25A AM1
I13 Ignition SW
ACC
IG1
AM1
120A ALT (*3) 100A ALT (*4)
140A ALT
30A H–LP CLN
30A H/CLN
FL MAIN 3. 0W
Battery
Left Kick Panel
*1 : Gasoline
*2 : Diesel
*3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
*5 : w/ Headlight Cleaner w/ HID
*6 : Except *5
*7 : Left Side of the Suspension Tower
*8 : LHD 2AD–FHV, LHD 2AD–FTV
*9 : RHD 2AD–FHV, RHD 2AD–FTV
*10 : Except *9

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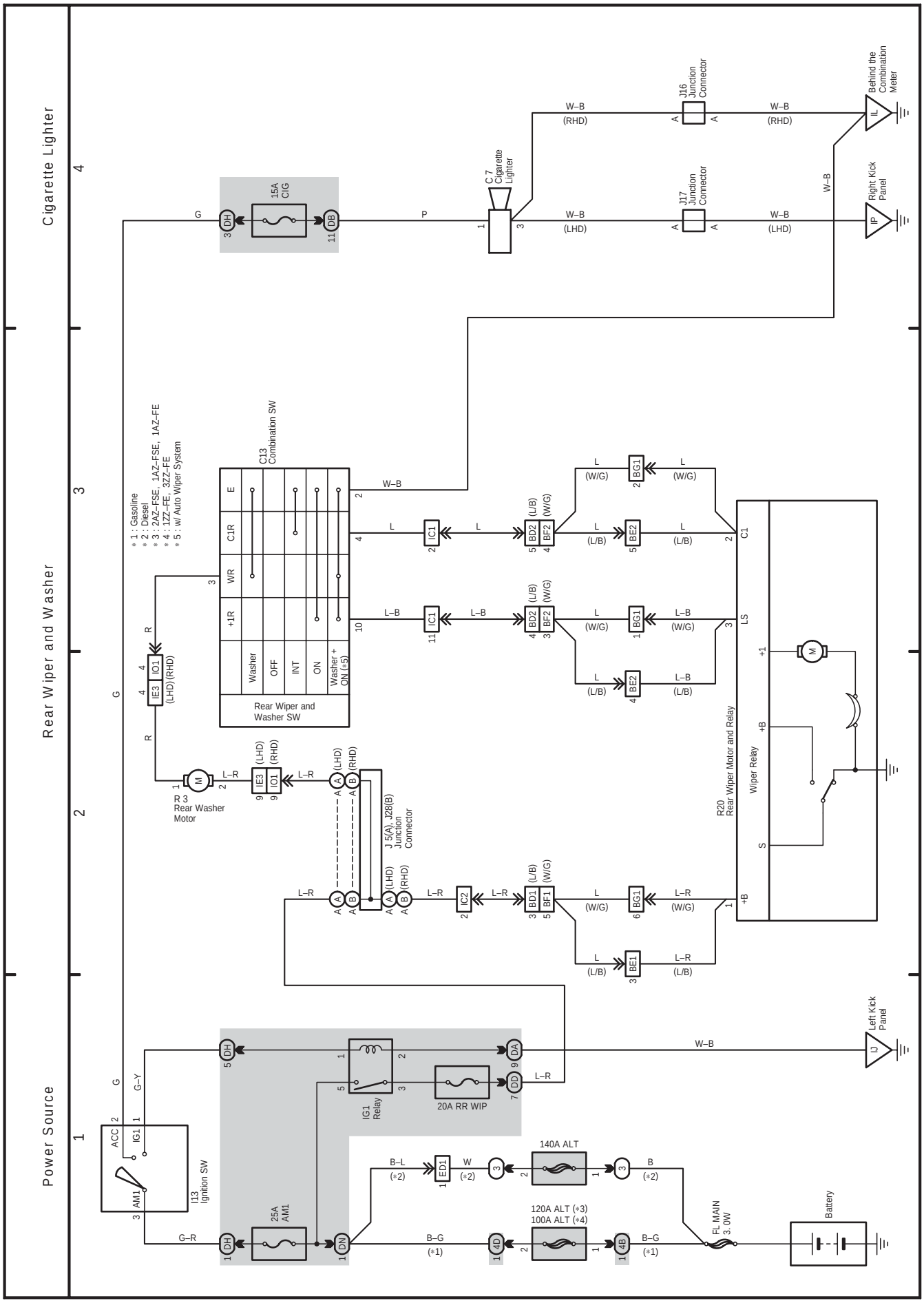
29 AVENSIS
Power Source
Rear Wiper and Washer
Cigarette Lighter
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Auto Wiper System
15A CIG
C 7 Cigarette Lighter
J16 Junction Connector
J17 Junction Connector
Behind the Combination Meter
Right Kick Panel
C13 Combination SW
Rear Wiper and Washer SW
Washer
OFF
INT
ON
Washer + ON (*5)
E
C1R
WR
+1R
R 3 Rear Washer Motor
J 5(A), J28(B) Junction Connector
R20 Rear Wiper Motor and Relay
Wiper Relay
Left Kick Panel
ACC
IG1
AM1
I13 Ignition SW
IG1 Relay
20A RR WIP
25A AM1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
W–B
(RHD)
(LHD)
L
L–B
L–R
G
G–Y
G–R
B–L
B–G
W
B
P
R
(*1)
(*2)

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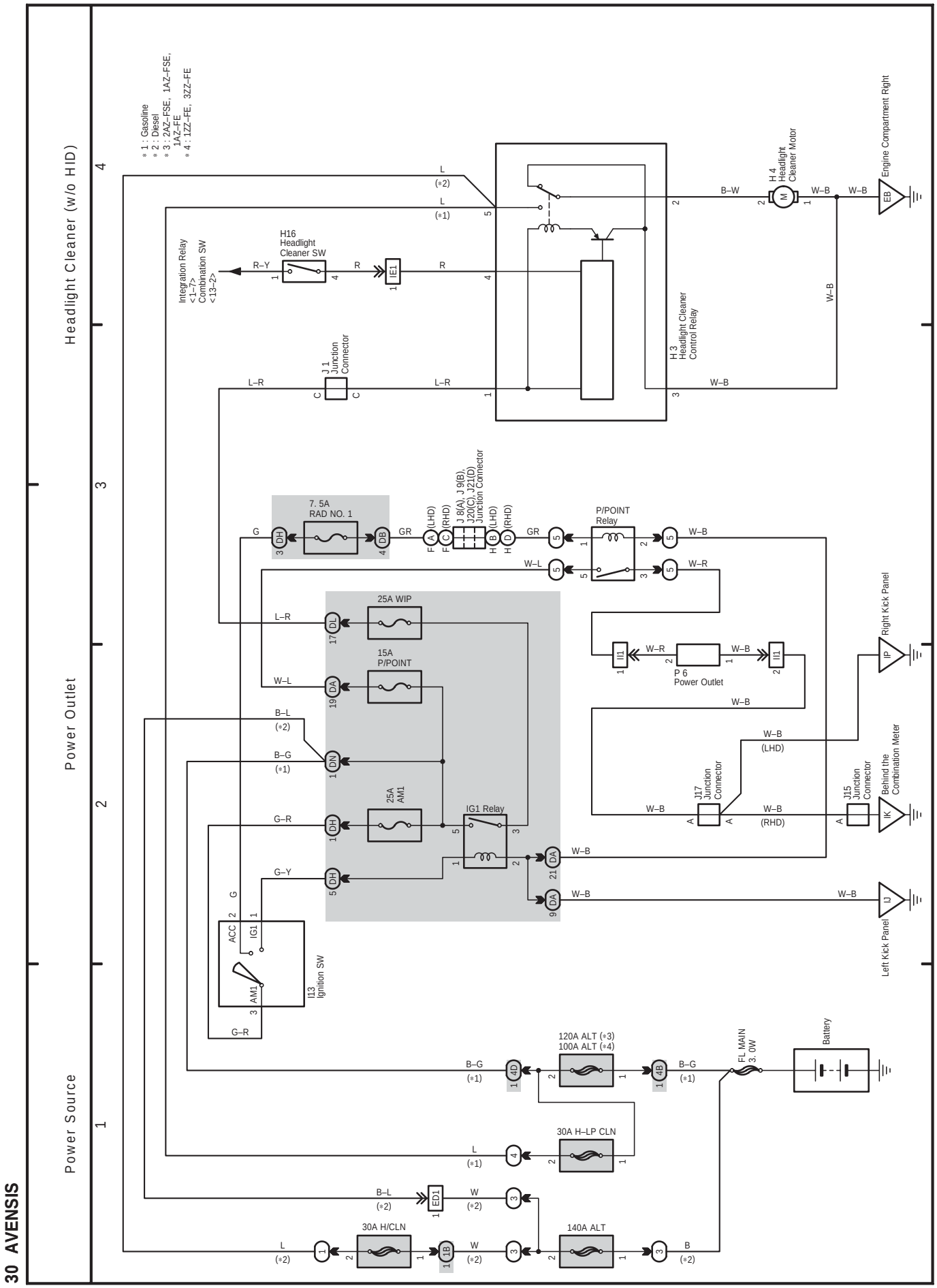
Headlight Cleaner (w/o HID)
Power Outlet
Power Source
1
2
3
4
30 AVENSIS
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
H16 Headlight Cleaner SW
Integration Relay <1–7> Combination SW <13–2>
IE1
J1 Junction Connector
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
Engine Compartment Right
EB
7. 5A RAD NO. 1
J 8(A), J 9(B), J20(C), J21(D) Junction Connector (LHD) (RHD)
P/POINT Relay
25A WIP
15A P/POINT
P 6 Power Outlet
Right Kick Panel
IP
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
IK
IG1 Relay
25A AM1
I13 Ignition SW
ACC
IG1
AM1
Left Kick Panel
IJ
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
30A H–LP CLN
30A H/CLN
ED1
L
(*1)
(*2)
L–R
W–B
W–L
W–R
B–W
B–L
B–G
G–R
G–Y
GR
R
R–Y
W
B

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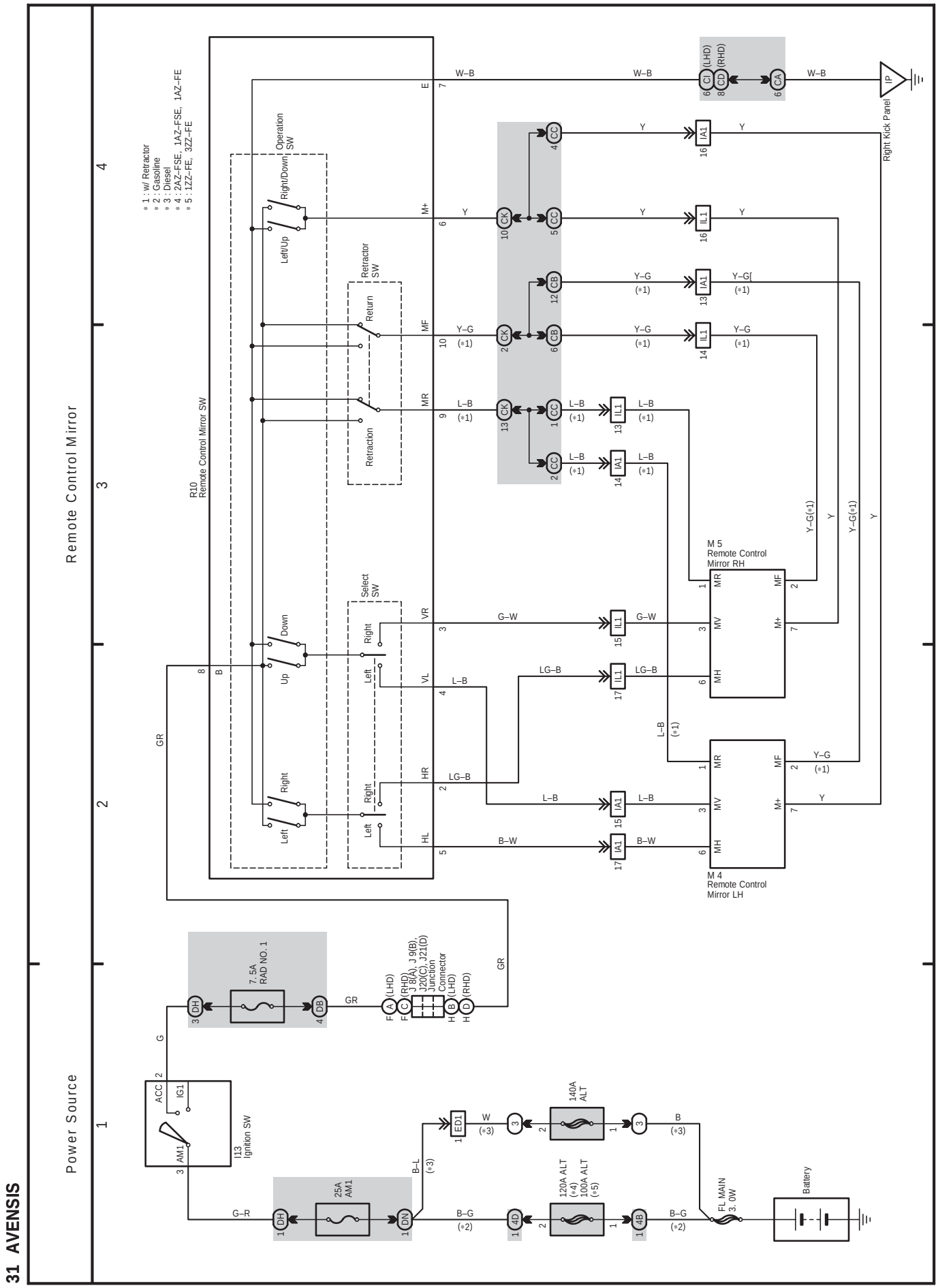
31 AVENSIS
Power Source
Remote Control Mirror
1
2
3
4
* 1 : w/ Retractor
* 2 : Gasoline
* 3 : Diesel
* 4 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 5 : 1ZZ–FE, 3ZZ–FE
R10
Remote Control Mirror SW
Operation SW
Right/Down
Left/Up
Retractor SW
Return
Retraction
Select SW
Right
Left
Down
Up
M 5
Remote Control Mirror RH
M 4
Remote Control Mirror LH
Right Kick Panel
IP
I13
Ignition SW
ACC
IG1
AM1
7.5A
RAD NO.1
25A
AM1
140A
ALT
120A ALT
(*4)
100A ALT
(*5)
FL MAIN
3. 0W
Battery
J 8(A), J 9(B),
J20(C), J21(D)
Junction
Connector
(LHD)
(RHD)
W–B
Y
Y–G
L–B
G–W
LG–B
B–W
GR
B–L
G–R
B–G
W
B
G
(*1)
(*2)
(*3)

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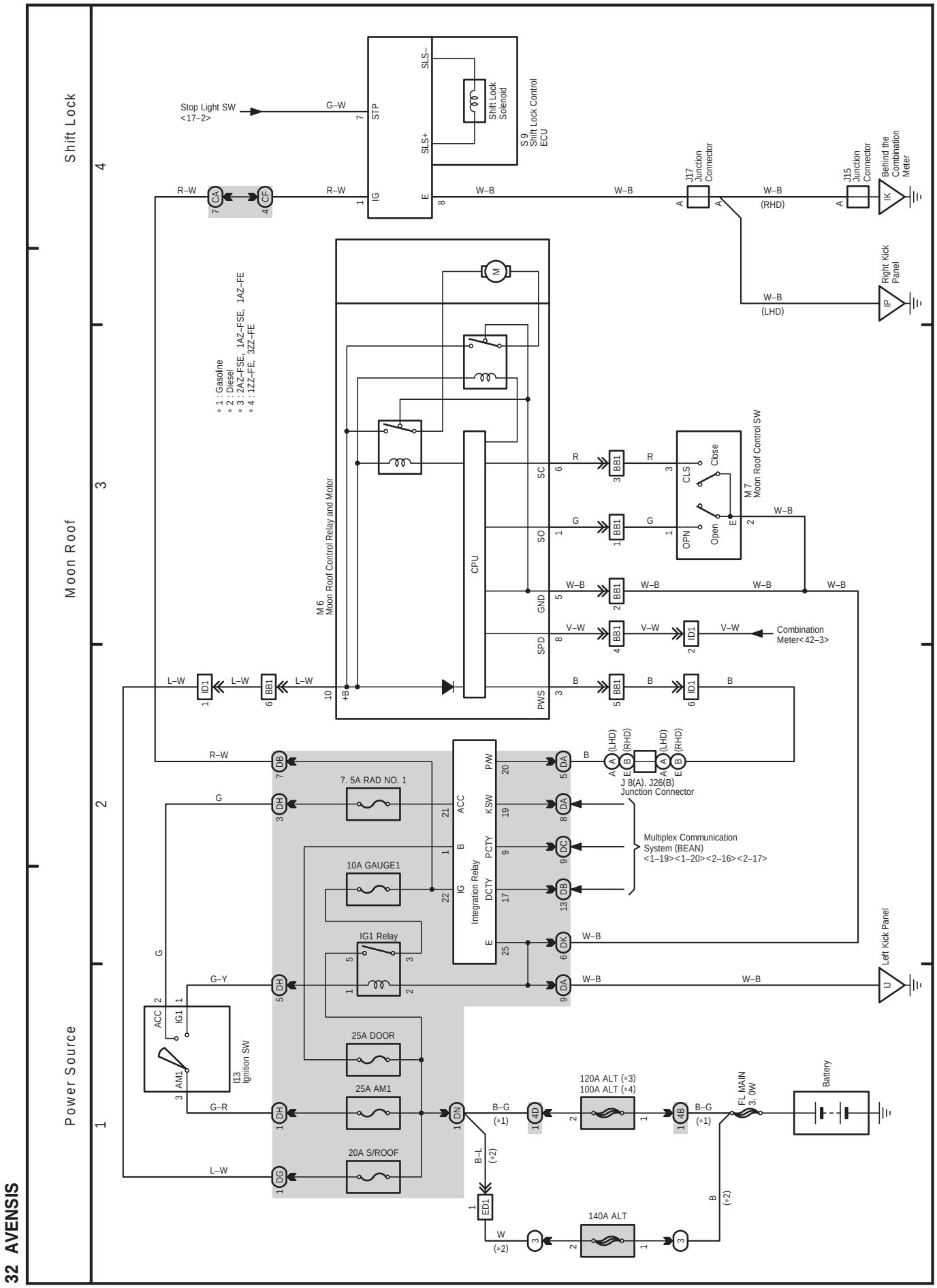
Shift Lock
Moon Roof
Power Source
Stop Light SW
<17–2>
G–W
STP
SLS–
SLS+
Shift Lock Solenoid
S 9
Shift Lock Control ECU
R–W
CA
CF
IG
E
W–B
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
IK
(RHD)
(LHD)
Right Kick Panel
JP
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
M 6
Moon Roof Control Relay and Motor
CPU
SC
SO
GND
SPD
PWS
+B
M 7
Moon Roof Control SW
CLS
Close
OPN
Open
R
G
V–W
B
L–W
BB1
ID1
Combination Meter<42–3>
J 8(A), J26(B)
Junction Connector
Multiplex Communication System (BEAN)
<1–19><1–20><2–16><2–17>
P/W
ACC
KSW
PCTY
DCTY
Integration Relay
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A DOOR
25A AM1
20A S/ROOF
I13
Ignition SW
ACC
IG1
AM1
G–Y
G–R
L–W
B–L
B–G
W
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
Left Kick Panel
(*1)
(*2)

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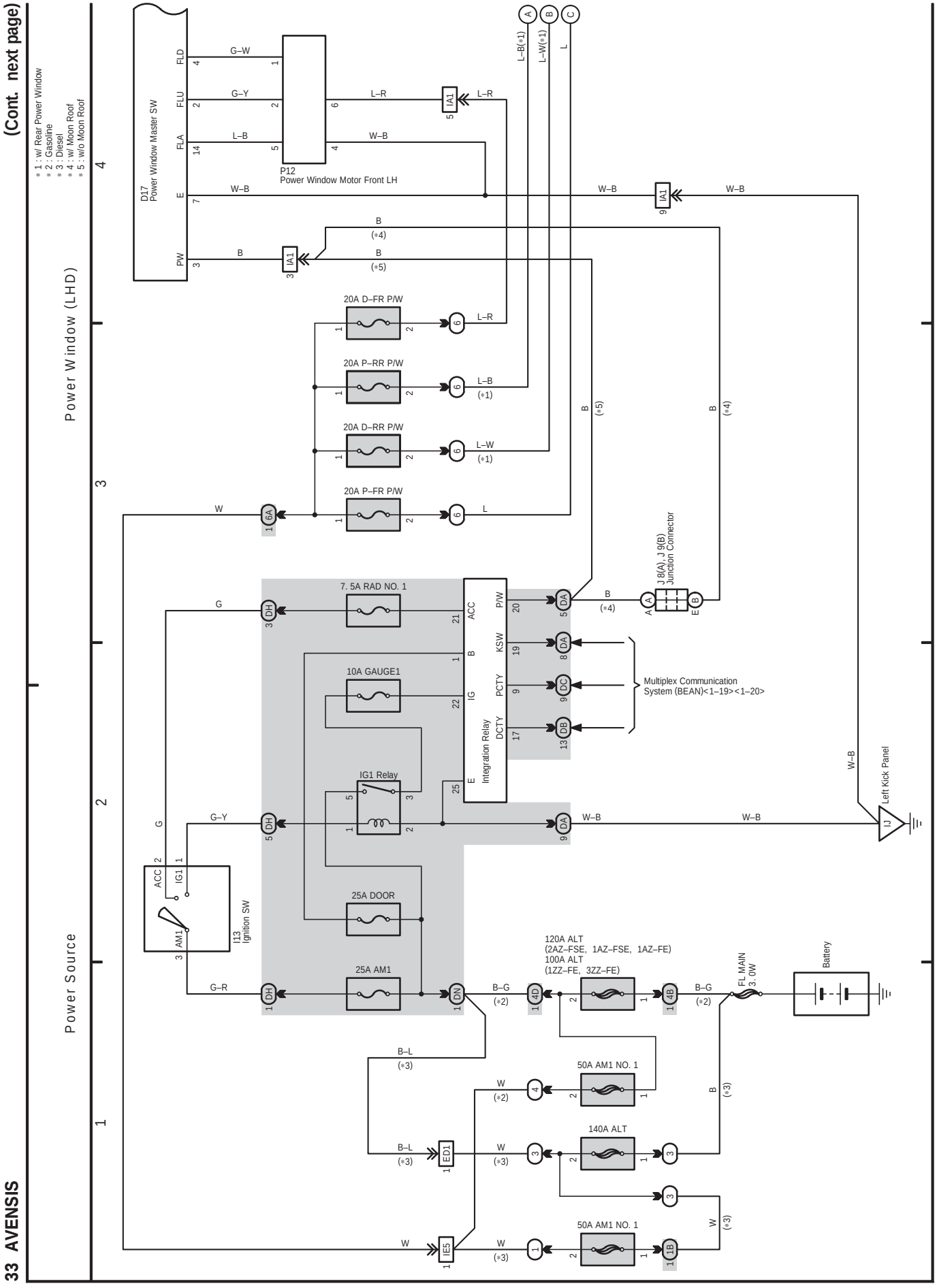
(Cont. next page)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : Diesel
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
Power Window (LHD)
Power Source
D17
Power Window Master SW
P12
Power Window Motor Front LH
20A D–FR P/W
20A P–RR P/W
20A D–RR P/W
20A P–FR P/W
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A DOOR
25A AM1
Integration Relay
Multiplex Communication System (BEAN)<1–19><1–20>
J 8(A), J 9(B) Junction Connector
Left Kick Panel
I13 Ignition SW
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
50A AM1 NO. 1
140A ALT
50A AM1 NO. 1
33 AVENSIS

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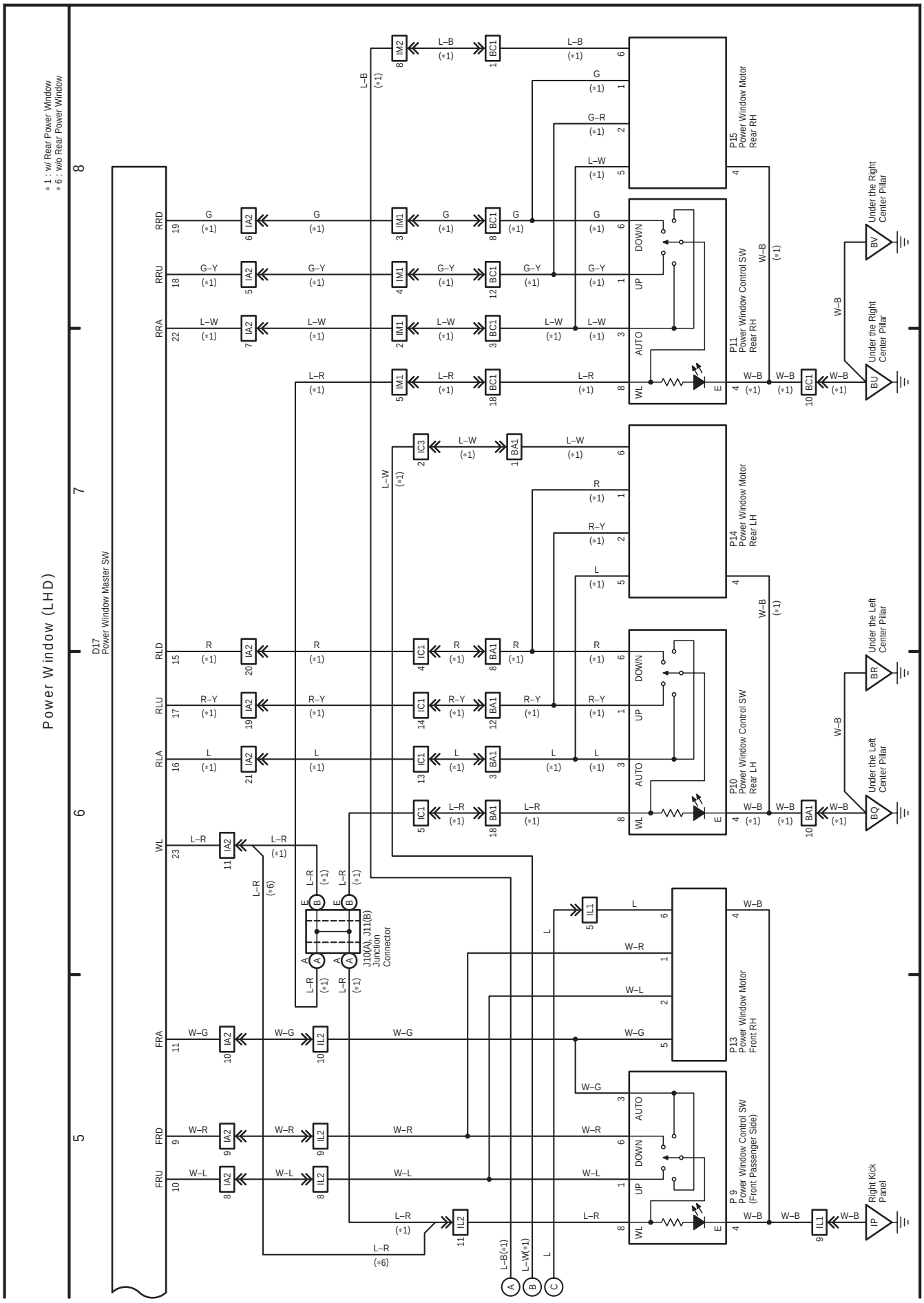
33 AVENSIS (Cont' d)



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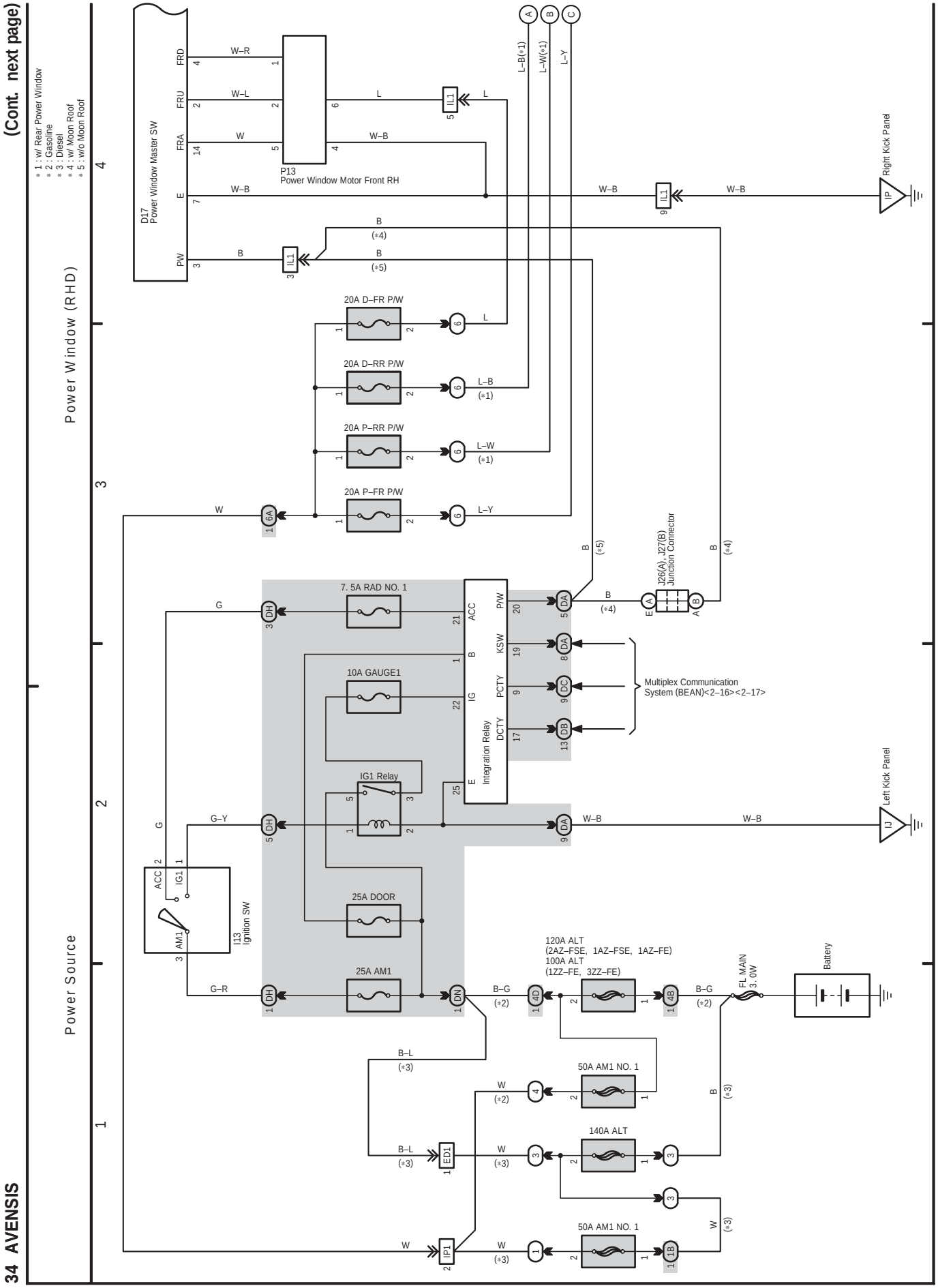
(Cont. next page)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : Diesel
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
Power Window (RHD)
Power Source
D17
Power Window Master SW
P13
Power Window Motor Front RH
Right Kick Panel
Left Kick Panel
20A D–FR P/W
20A D–RR P/W
20A P–RR P/W
20A P–FR P/W
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A DOOR
25A AM1
I13
Ignition SW
Integration Relay
J26(A), J27(B)
Junction Connector
Multiplex Communication
System (BEAN)<2–16><2–17>
120A ALT
(2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery
50A AM1 NO. 1
140A ALT
50A AM1 NO. 1

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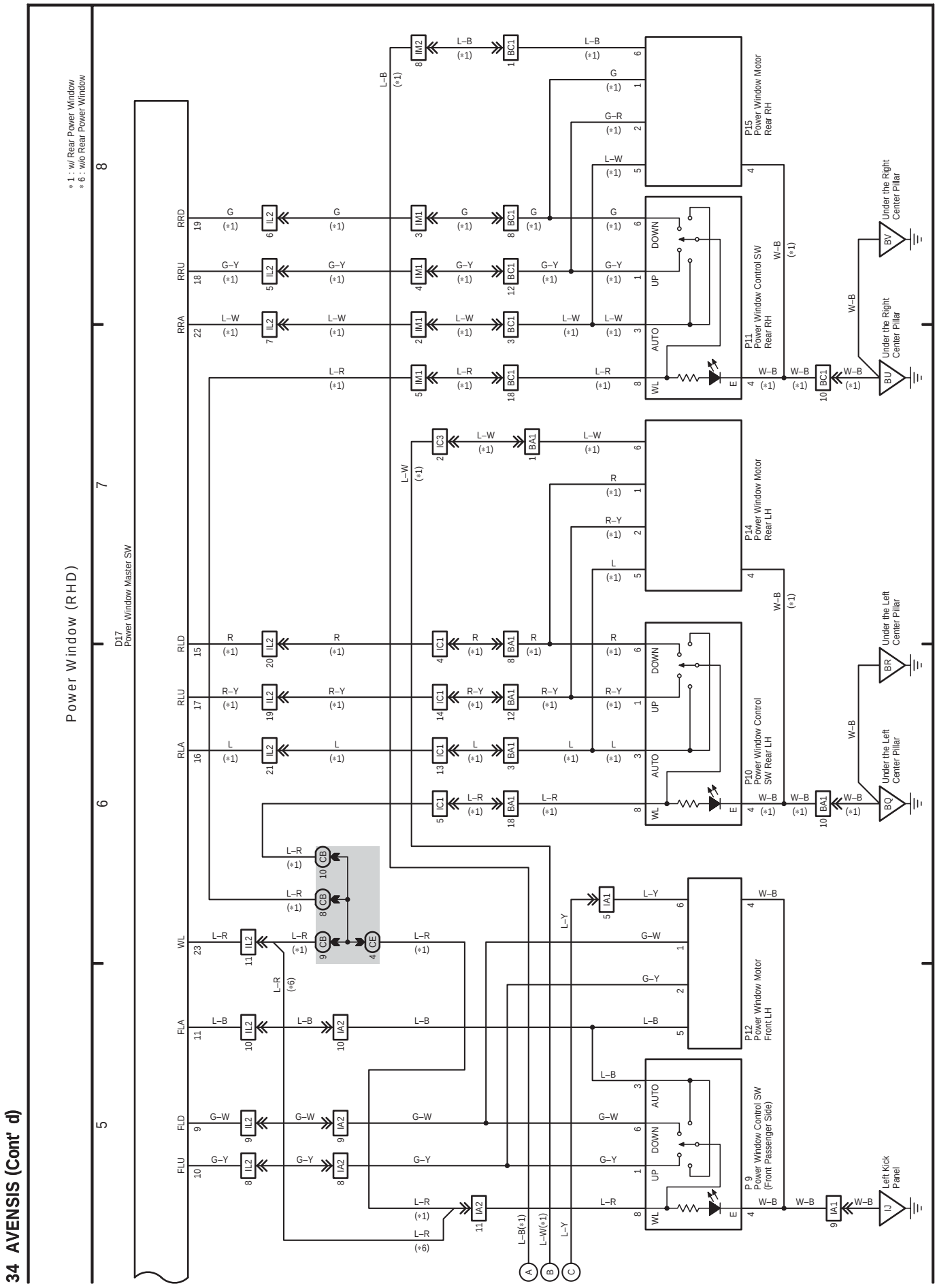
34 AVENSIS (Cont' d)
Power Window (RHD)
* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window
D17 Power Window Master SW
P15 Power Window Motor Rear RH
P11 Power Window Control SW Rear RH
P14 Power Window Motor Rear LH
P10 Power Window Control SW Rear LH
P12 Power Window Motor Front LH
P 9 Power Window Control SW (Front Passenger Side)
Under the Right Center Pillar
Under the Left Center Pillar
Left Kick Panel
DOWN
UP
AUTO
WL
E

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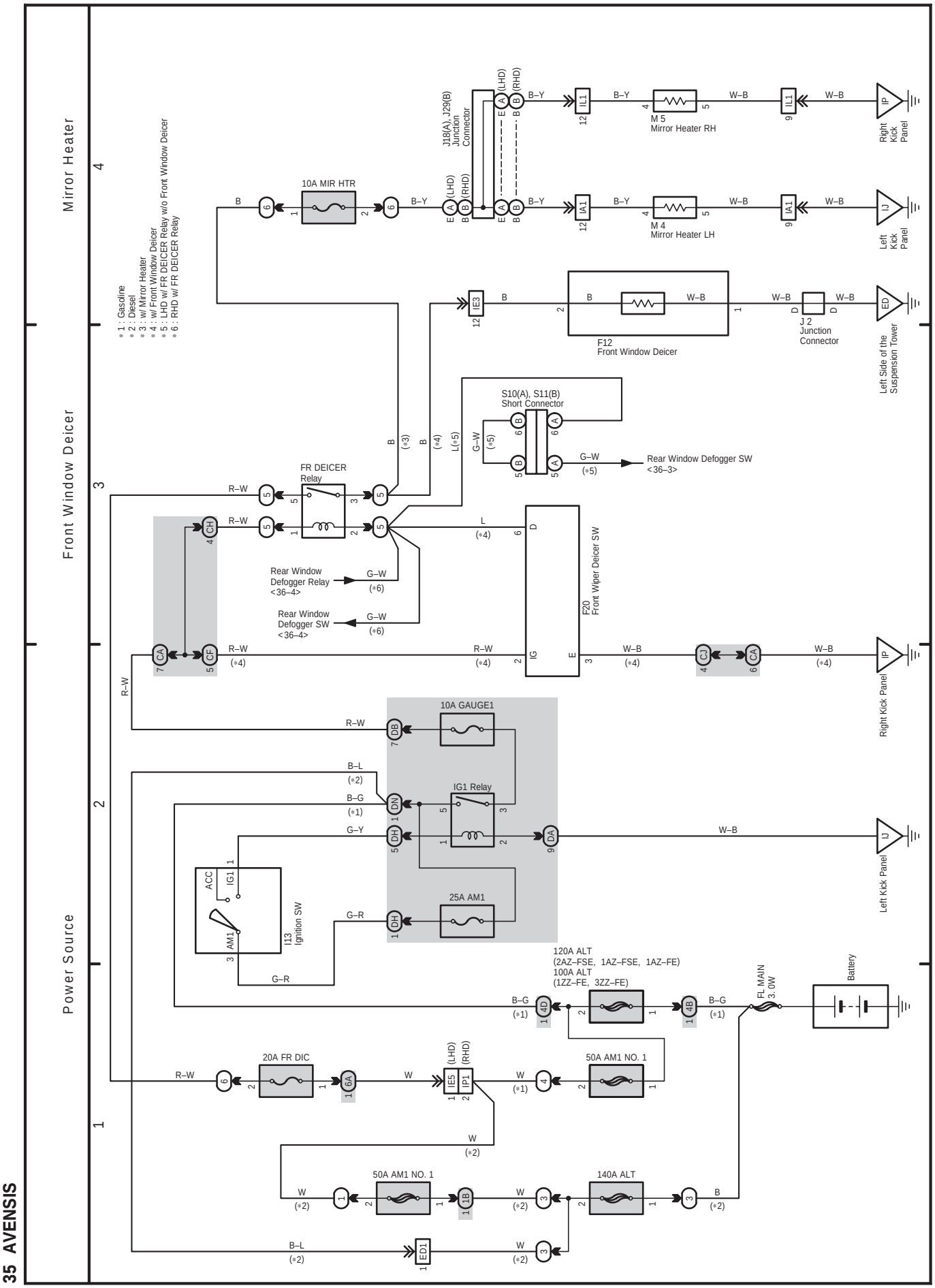
Mirror Heater
Front Window Deicer
Power Source
＊1 : Gasoline
＊2 : Diesel
＊3 : w/ Mirror Heater
＊4 : w/ Front Window Deicer
＊5 : LHD w/ FR DEICER Relay w/o Front Window Deicer
＊6 : RHD w/ FR DEICER Relay
10A MIR HTR
J18(A), J29(B) Junction Connector
M 5 Mirror Heater RH
M 4 Mirror Heater LH
Right Kick Panel
Left Kick Panel
F12 Front Window Deicer
J 2 Junction Connector
Left Side of the Suspension Tower
S10(A), S11(B) Short Connector
Rear Window Defogger SW <36–3>
FR DEICER Relay
Rear Window Defogger Relay <36–4>
Rear Window Defogger SW <36–4>
F20 Front Wiper Deicer SW
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3.0W
Battery
20A FR DIC
50A AM1 NO. 1
50A AM1 NO. 1
140A ALT

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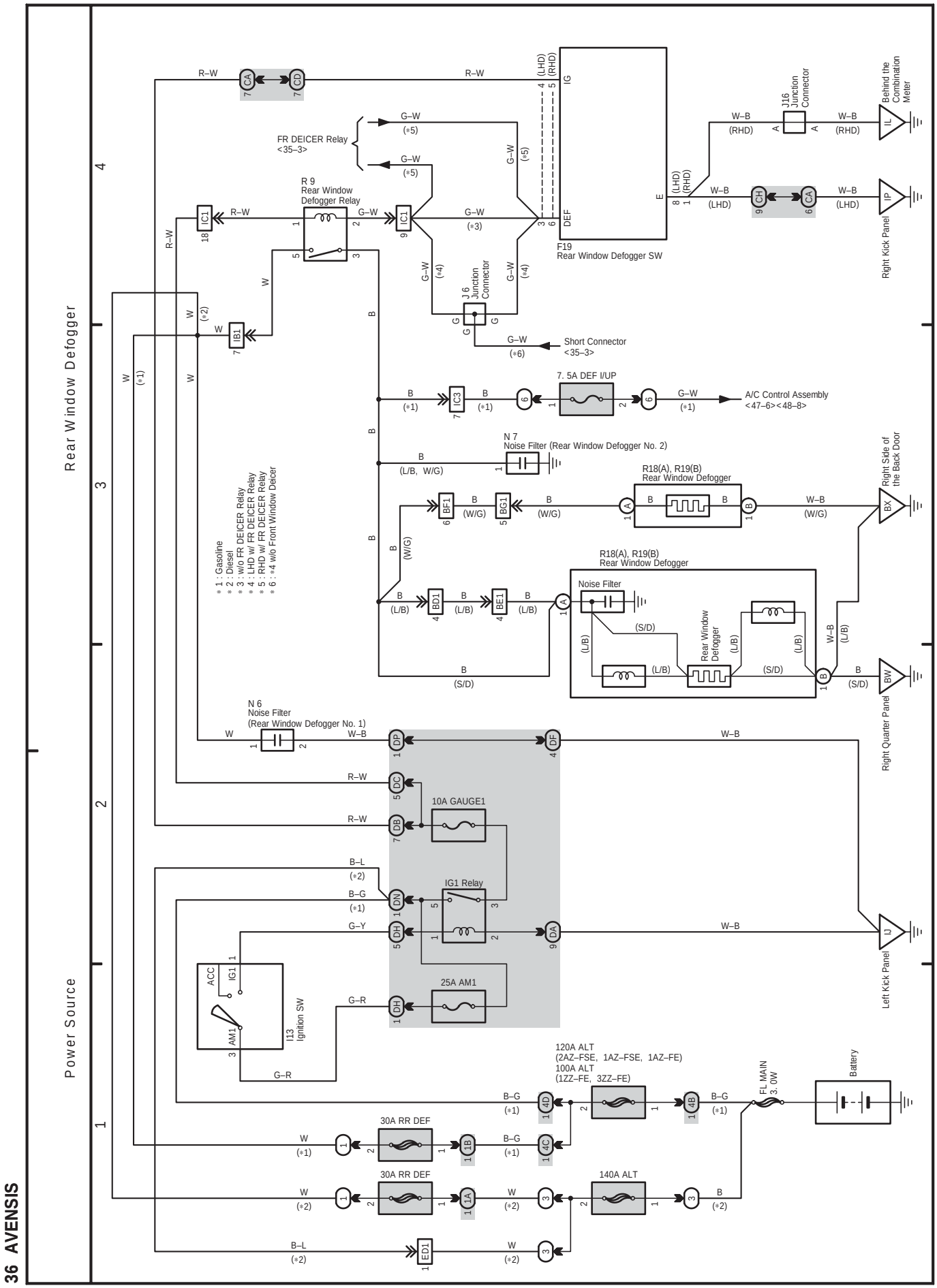
Rear Window Defogger
Power Source
FR DEICER Relay
<35–3>
R 9
Rear Window
Defogger Relay
F19
Rear Window Defogger SW
J16
Junction
Connector
Behind the
Combination
Meter
Right Kick Panel
Short Connector
<35–3>
7. 5A DEF I/UP
A/C Control Assembly
<47–6><48–8>
N 7
Noise Filter (Rear Window Defogger No. 2)
R18(A), R19(B)
Rear Window Defogger
Right Side of
the Back Door
Noise Filter
Rear Window
Defogger
Right Quarter Panel
N 6
Noise Filter
(Rear Window Defogger No. 1)
10A GAUGE1
IG1 Relay
25A AM1
I13
Ignition SW
ACC
IG1
AM1
Left Kick Panel
120A ALT
(2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery
30A RR DEF
30A RR DEF
140A ALT
＊1 : Gasoline
＊2 : Diesel
＊3 : w/o FR DEICER Relay
＊4 : LHD w/ FR DEICER Relay
＊5 : RHD w/ FR DEICER Relay
＊6 : ＊4 w/o Front Window Deicer

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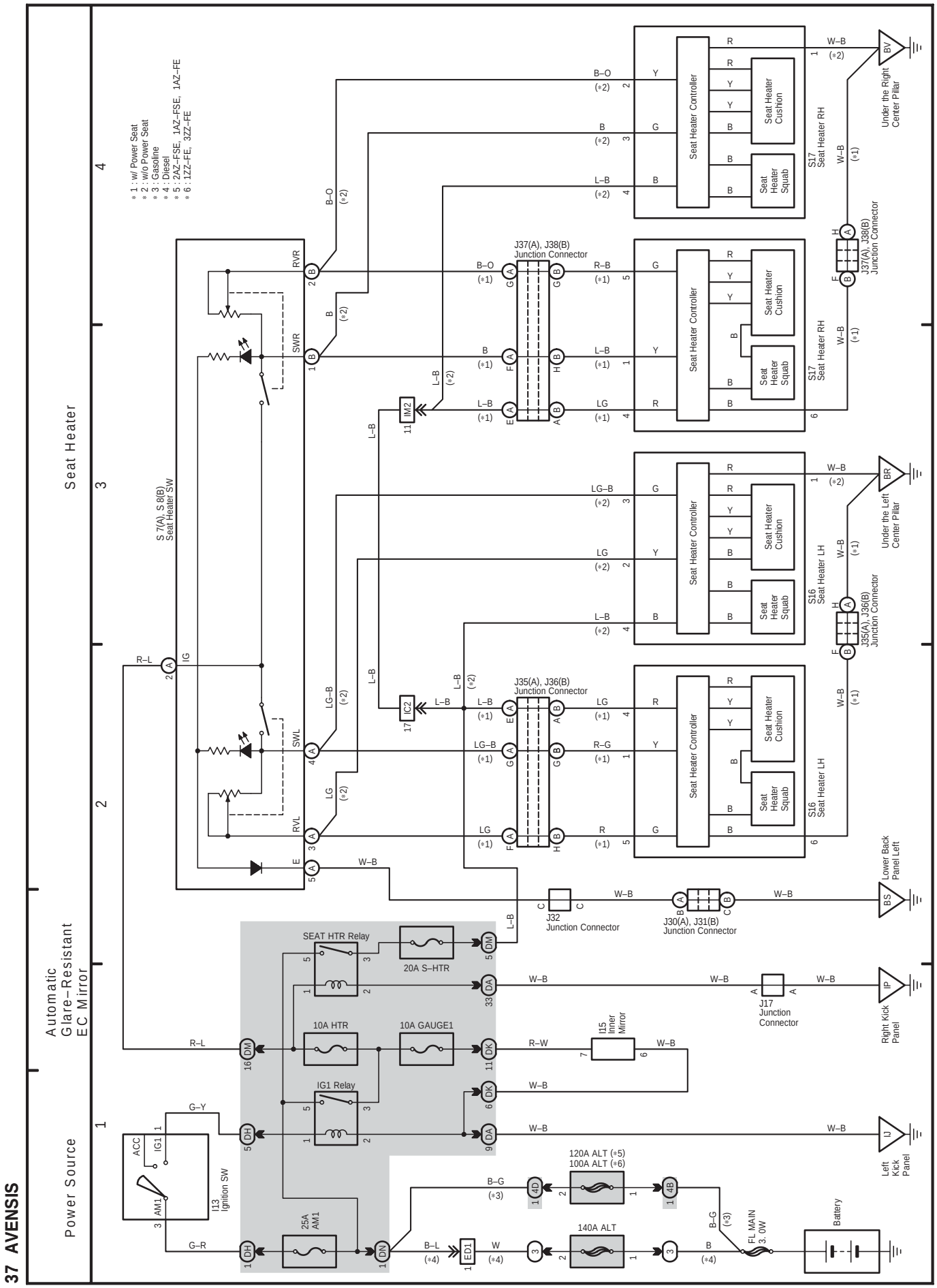
37 AVENSIS
Power Source
Automatic Glare-Resistant EC Mirror
Seat Heater
* 1 : w/ Power Seat
* 2 : w/o Power Seat
* 3 : Gasoline
* 4 : Diesel
* 5 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 6 : 1ZZ-FE, 3ZZ-FE
S 7(A), S 8(B) Seat Heater SW
I13 Ignition SW
SEAT HTR Relay
IG1 Relay
20A S-HTR
10A HTR
10A GAUGE1
25A AM1
120A ALT (*5) 100A ALT (*6)
140A ALT
Battery
FL MAIN 3. 0W
J32 Junction Connector
J30(A), J31(B) Junction Connector
J17 Junction Connector
J35(A), J36(B) Junction Connector
J37(A), J38(B) Junction Connector
I15 Inner Mirror
S16 Seat Heater LH
S17 Seat Heater RH
Seat Heater Controller
Seat Heater Cushion
Seat Heater Squab
Under the Right Center Pillar
Under the Left Center Pillar
Lower Back Panel Left
Right Kick Panel
Left Kick Panel

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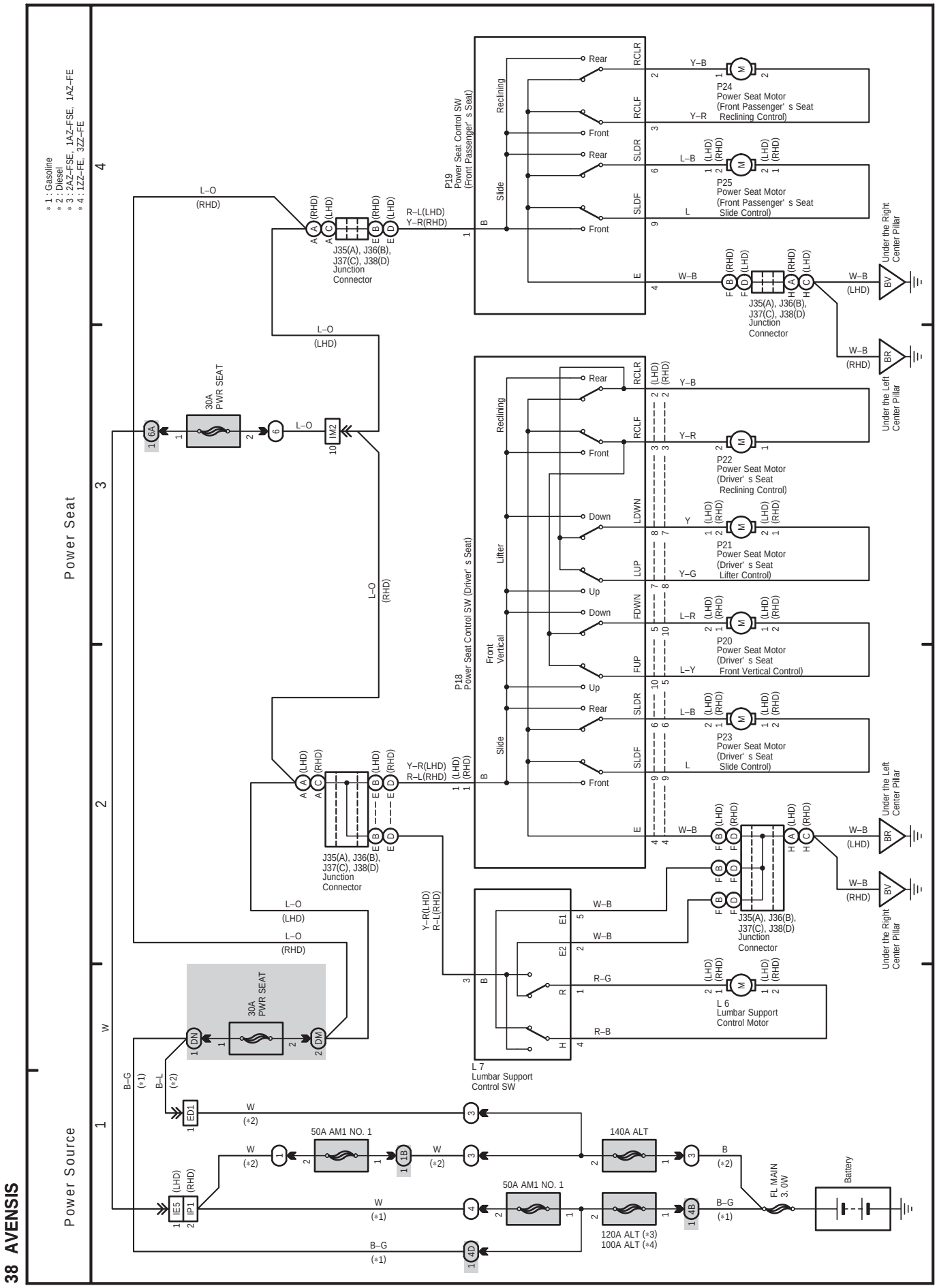
38 AVENSIS
Power Source
Power Seat
1
2
3
4
W
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
Battery
FL MAIN
3. 0W
50A AM1 NO. 1
140A ALT
120A ALT (*3)
100A ALT (*4)
30A
PWR SEAT
P18
Power Seat Control SW (Driver' s Seat)
P19
Power Seat Control SW
(Front Passenger' s Seat)
Reclining
Lifter
Front Vertical
Slide
Rear
Front
Up
Down
RCLR
RCLF
LDWN
LUP
FDWN
FUP
SLDR
SLDF
P24
Power Seat Motor
(Front Passenger' s Seat
Reclining Control)
P25
Power Seat Motor
(Front Passenger' s Seat
Slide Control)
P22
Power Seat Motor
(Driver' s Seat
Reclining Control)
P21
Power Seat Motor
(Driver' s Seat
Lifter Control)
P20
Power Seat Motor
(Driver' s Seat
Front Vertical Control)
P23
Power Seat Motor
(Driver' s Seat
Slide Control)
L 6
Lumbar Support
Control Motor
L 7
Lumbar Support
Control SW
J35(A), J36(B),
J37(C), J38(D)
Junction
Connector
Under the Right
Center Pillar
Under the Left
Center Pillar
BV
BR
L–O
(RHD)
L–O
(LHD)
R–L(LHD)
Y–R(RHD)
Y–R(LHD)
R–L(RHD)
W–B
(LHD)
W–B
(RHD)
B–G
(*1)
B–L
(*2)
W
(*2)
W
(*1)
B–G
(*1)
B
(*2)

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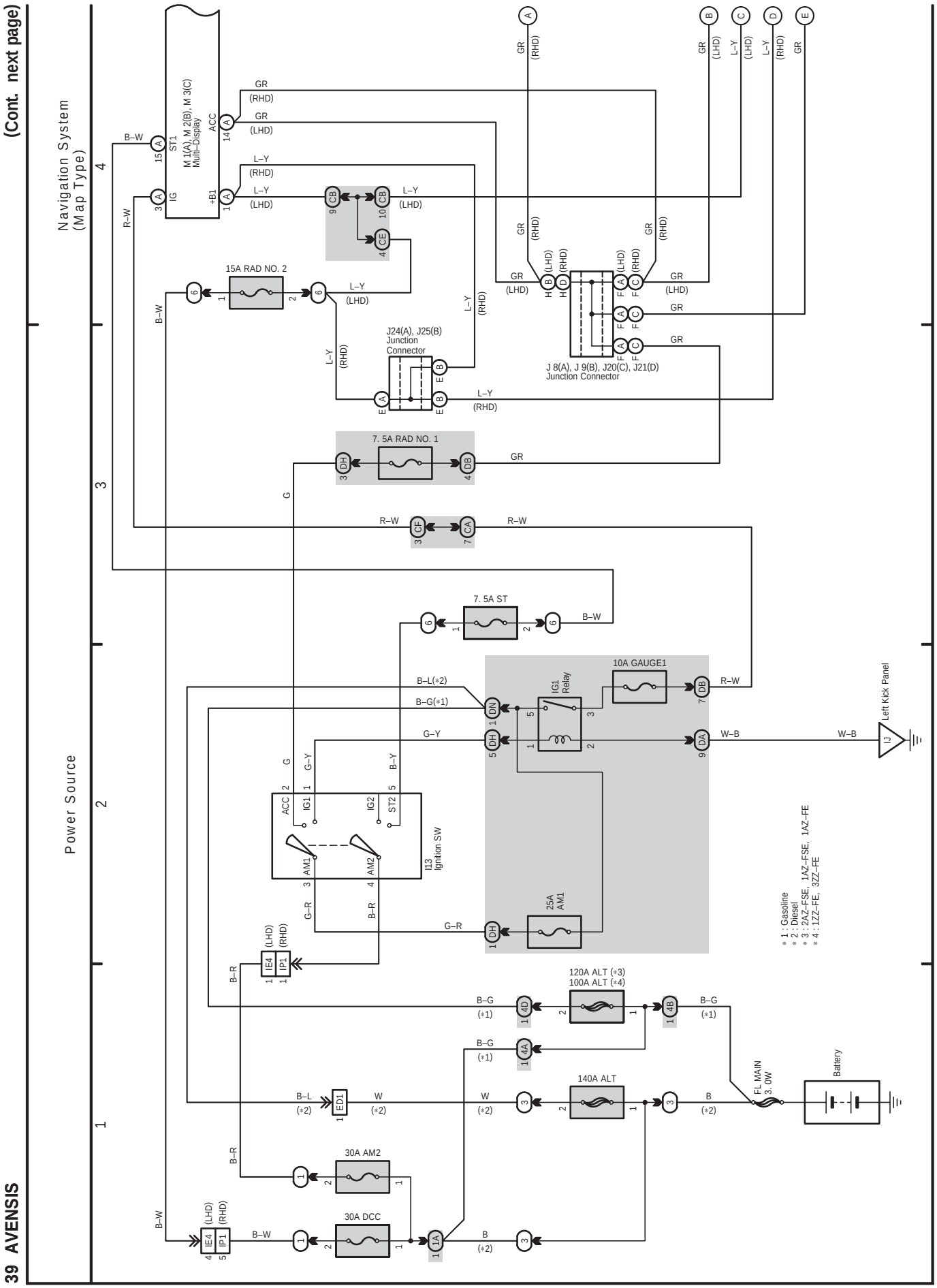
(Cont. next page)
Navigation System (Map Type)
Power Source
M 1(A), M 2(B), M 3(C) Multi–Display
ST1
ACC
IG
+B1
15A RAD NO. 2
7. 5A RAD NO. 1
7. 5A ST
J24(A), J25(B) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
10A GAUGE1
IG1 Relay
I13 Ignition SW
25A AM1
30A AM2
30A DCC
120A ALT (*3) 100A ALT (*4)
140A ALT
F1 MAIN 3. 0W
Battery
Left Kick Panel
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
39 AVENSIS

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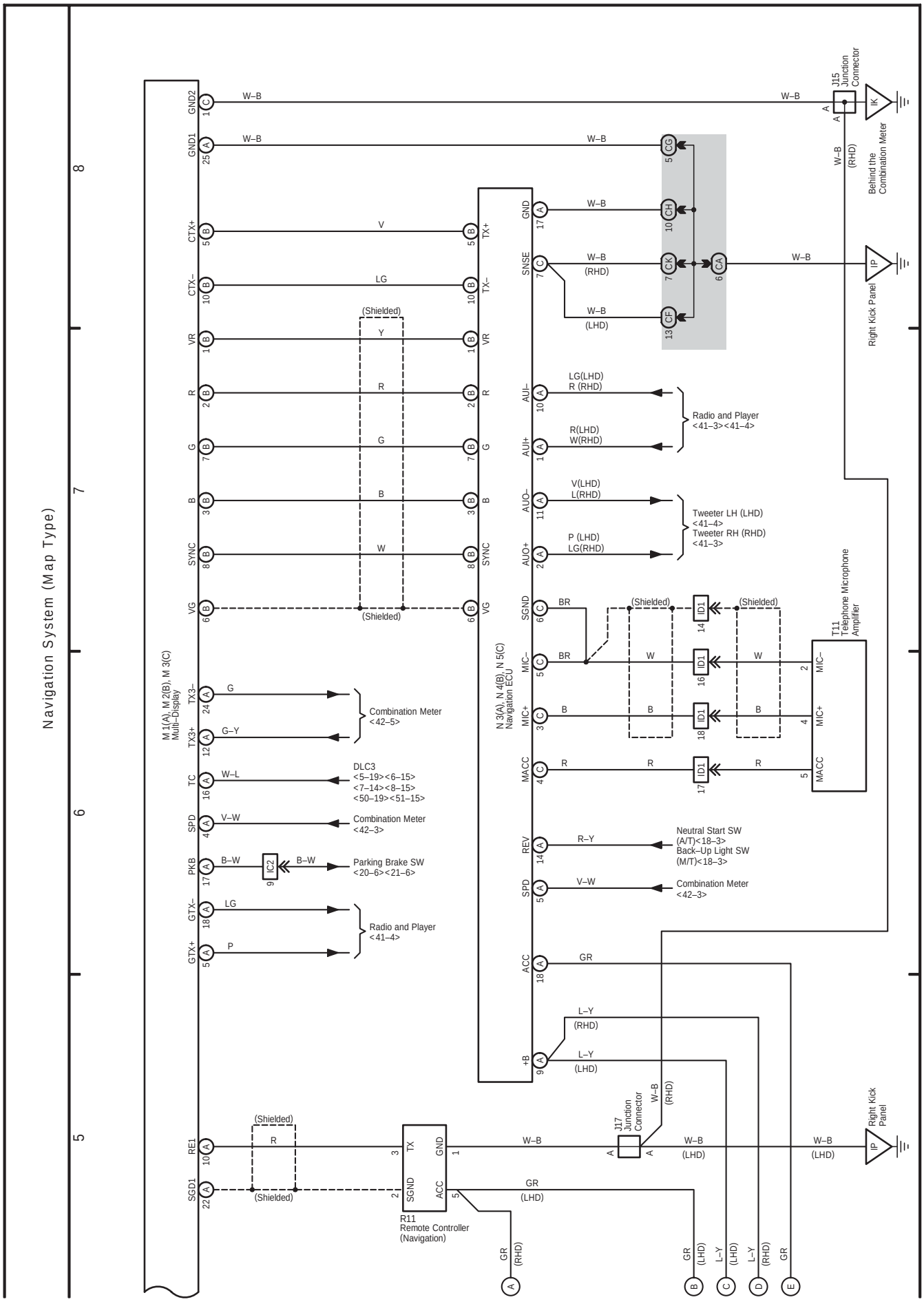
39 AVENSIS (Cont' d)



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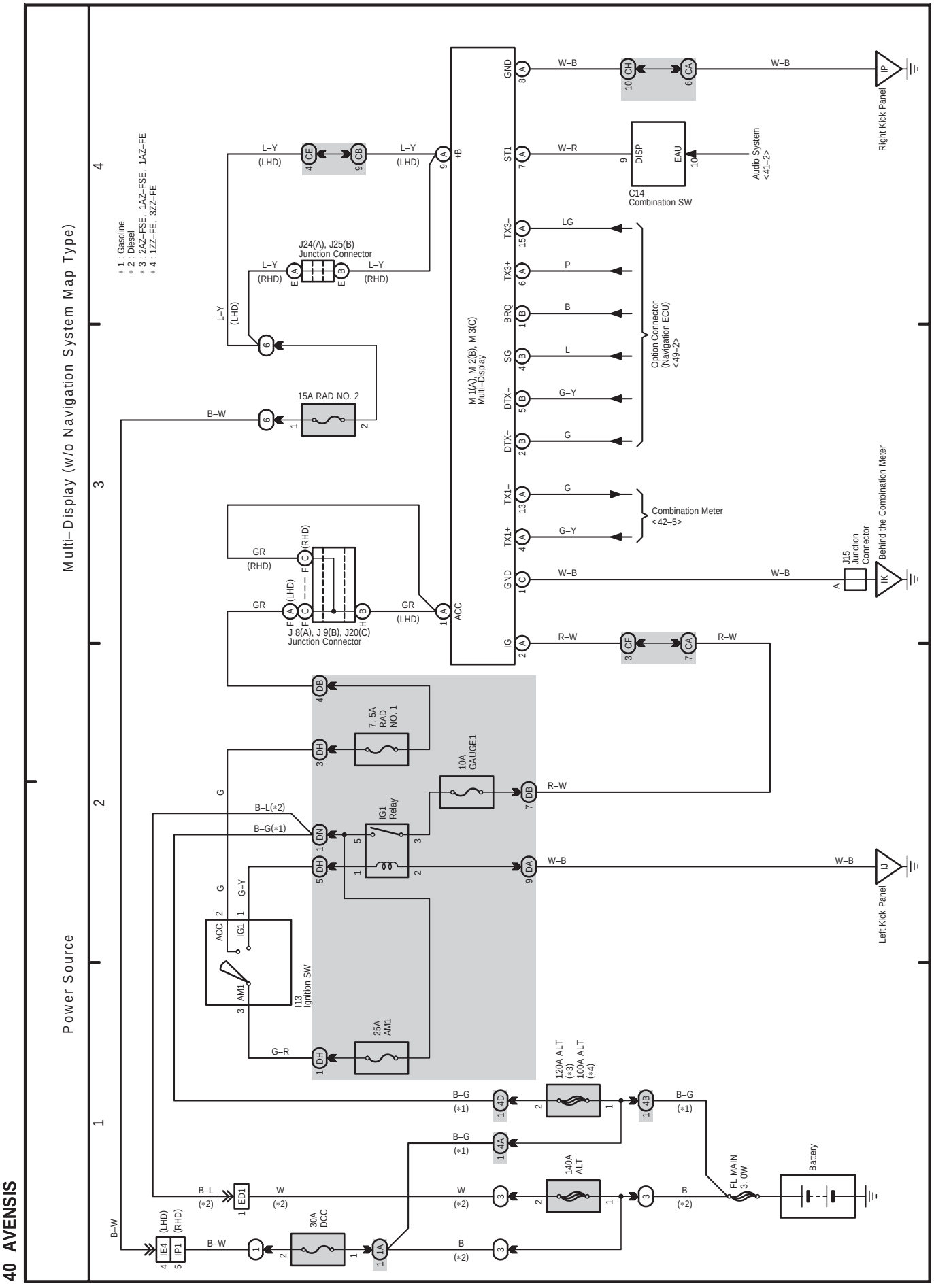
Multi–Display (w/o Navigation System Map Type)
Power Source
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
M 1(A), M 2(B), M 3(C) Multi–Display
J24(A), J25(B) Junction Connector
J 8(A), J 9(B), J20(C) Junction Connector
C14 Combination SW
Audio System <41–2>
Right Kick Panel
Left Kick Panel
J15 Junction Connector
Behind the Combination Meter
Option Connector (Navigation ECU) <49–2>
Combination Meter <42–5>
15A RAD NO. 2
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A AM1
30A DCC
140A ALT
120A ALT (*3) 100A ALT (*4)
FL MAIN 3. 0W
Battery
I13 Ignition SW
GND
ST1
TX3–
TX3+
BRQ
SG
DTX–
DTX+
TX1–
TX1+
IG
ACC
+B

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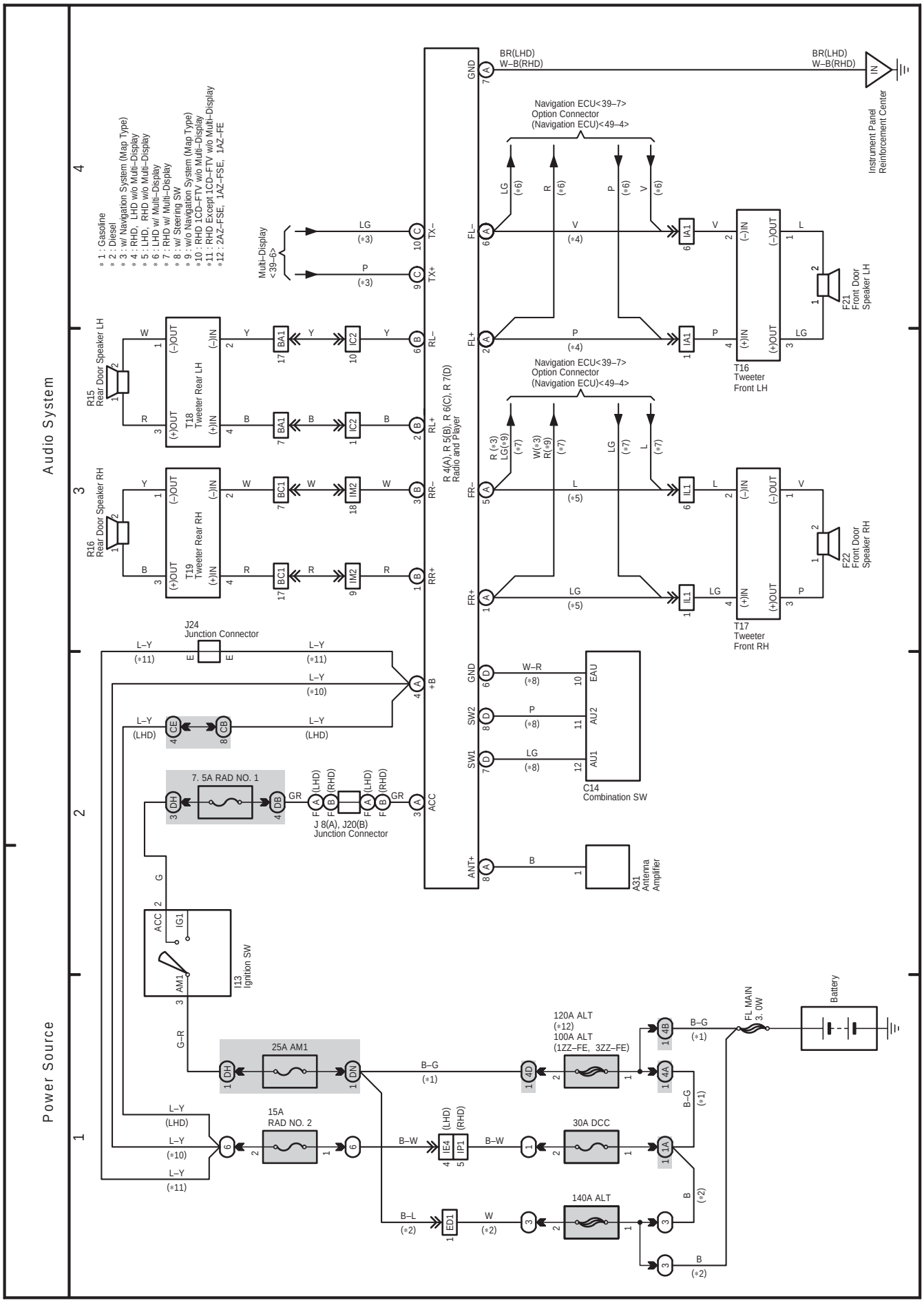
41 AVENSIS
Power Source
Audio System
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Navigation System (Map Type)
* 4 : RHD, LHD w/o Multi–Display
* 5 : LHD, RHD w/o Multi–Display
* 6 : LHD w/ Multi–Display
* 7 : RHD w/ Multi–Display
* 8 : w/ Steering SW
* 9 : w/o Navigation System (Map Type)
* 10 : RHD 1CD–FTV w/o Multi–Display
* 11 : RHD Except 1CD–FTV w/o Multi–Display
* 12 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
Multi–Display <39–6>
R15 Rear Door Speaker LH
R16 Rear Door Speaker RH
T18 Tweeter Rear LH
T19 Tweeter Rear RH
R 4(A), R 5(B), R 6(C), R 7(D) Radio and Player
Navigation ECU<39–7> Option Connector (Navigation ECU)<49–4>
T16 Tweeter Front LH
T17 Tweeter Front RH
F21 Front Door Speaker LH
F22 Front Door Speaker RH
BR(LHD) W–B(RHD)
Instrument Panel Reinforcement Center
J24 Junction Connector
J 8(A), J20(B) Junction Connector
C14 Combination SW
A31 Antenna Amplifier
I13 Ignition SW
7. 5A RAD NO. 1
25A AM1
15A RAD NO. 2
120A ALT (*12) 100A ALT (1ZZ–FE, 3ZZ–FE)
30A DCC
140A ALT
FL MAIN 3. 0W
Battery

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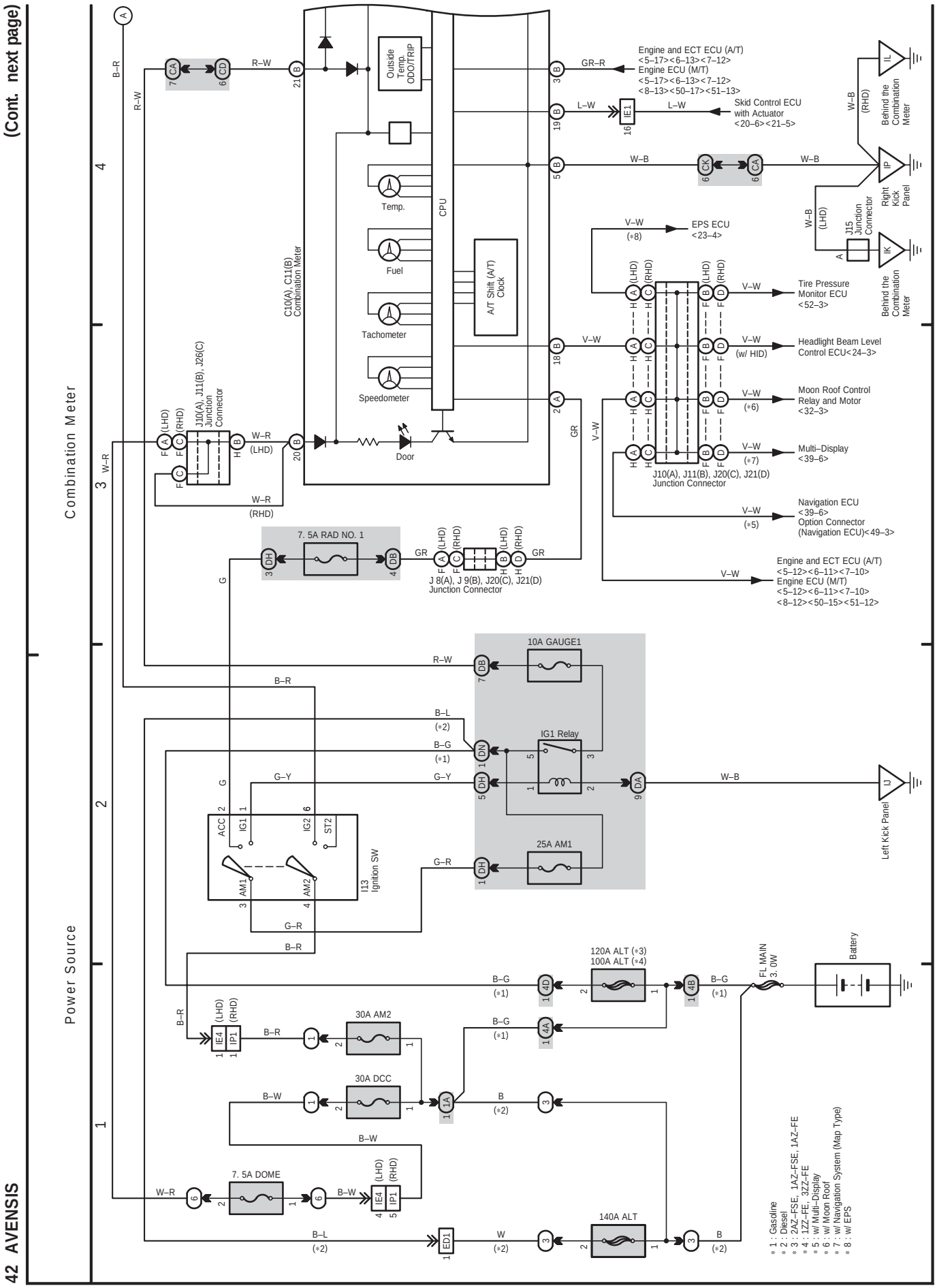
(Cont. next page)
Combination Meter
Power Source
42 AVENSIS
Outside Temp. ODO/TRIP
CPU
Temp.
Fuel
Tachometer
Speedometer
Door
A/T Shift (A/T) Clock
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
Engine and ECT ECU (A/T)
<5–17><6–13><7–12>
Engine ECU (M/T)
<5–17><6–13><7–12>
<8–13><50–17><51–13>
Skid Control ECU with Actuator
<20–6><21–5>
EPS ECU
<23–4>
Tire Pressure Monitor ECU
<52–3>
Headlight Beam Level Control ECU<24–3>
(w/ HID)
Moon Roof Control Relay and Motor
<32–3>
Multi–Display
<39–6>
J10(A), J11(B), J20(C), J21(D) Junction Connector
Navigation ECU
<39–6>
Option Connector
(Navigation ECU)<49–3>
Engine and ECT ECU (A/T)
<5–12><6–11><7–10>
Engine ECU (M/T)
<5–12><6–11><7–10>
<8–12><50–15><51–12>
7. 5A RAD NO. 1
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (*3)
100A ALT (*4)
30A AM2
30A DCC
7. 5A DOME
140A ALT
FL MAIN
Battery
Behind the Combination Meter
Right Kick Panel
J15 Junction Connector
Left Kick Panel
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : w/ EPS

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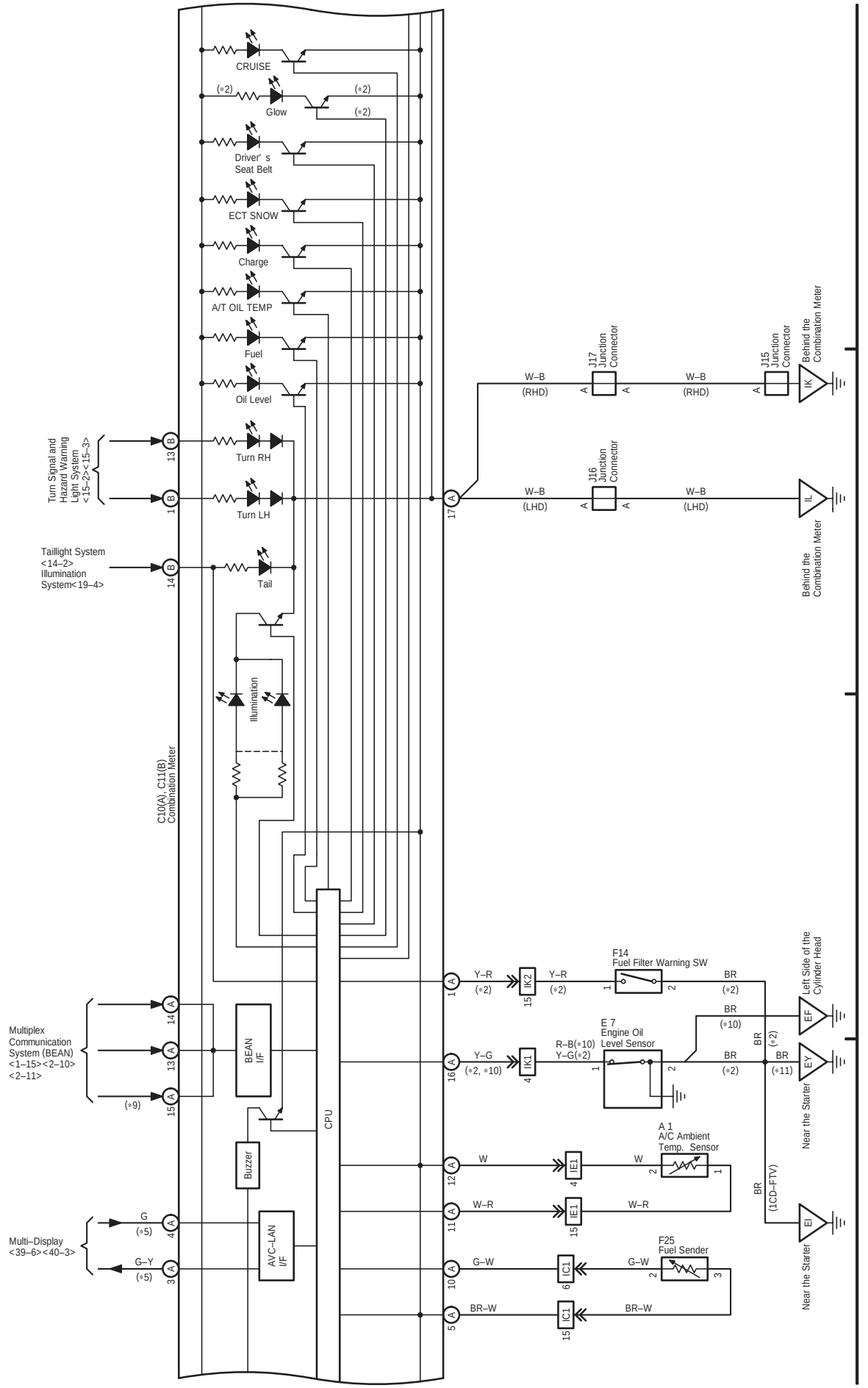
(Cont. next page)

42 AVENSIS (Cont' d)



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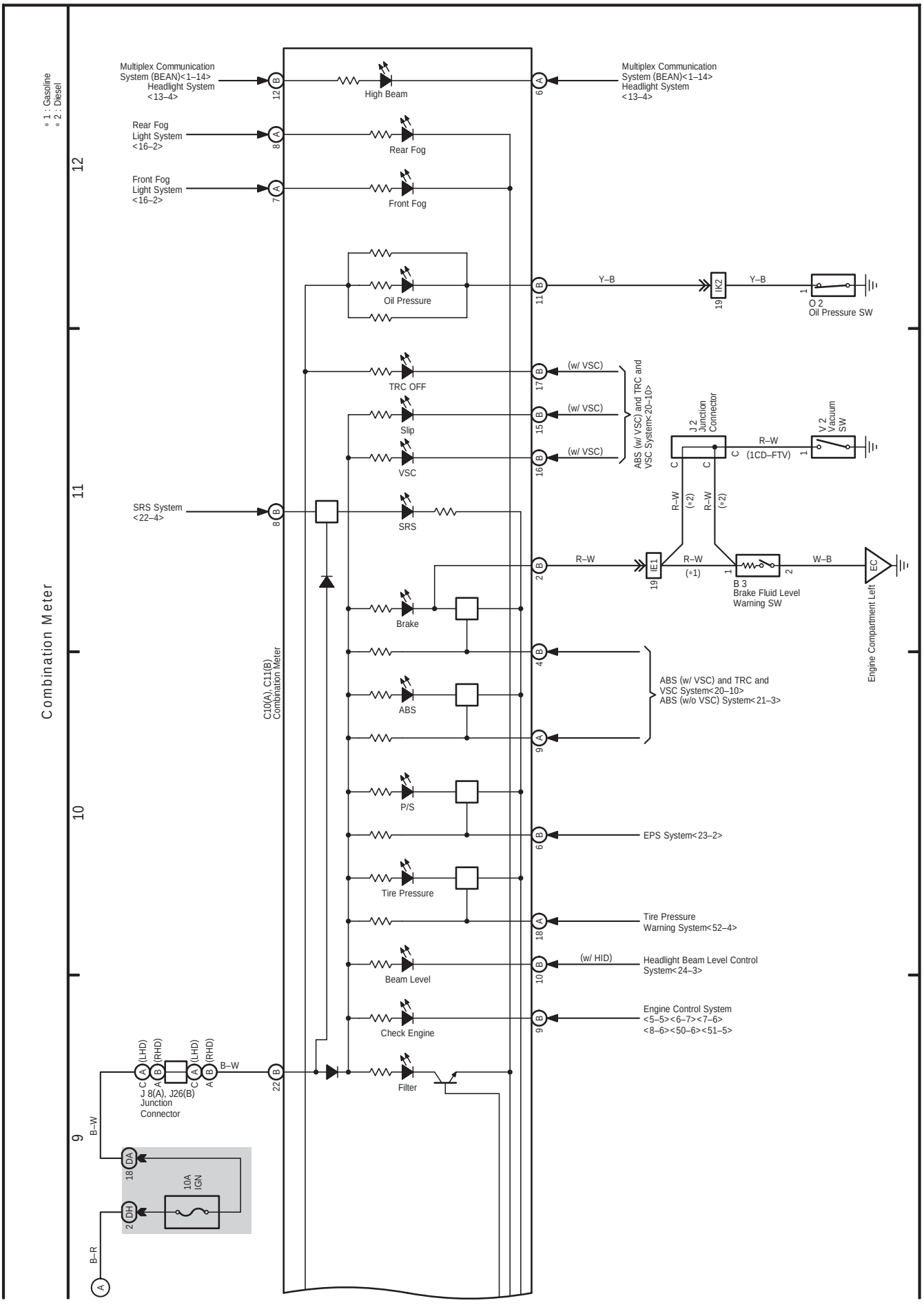
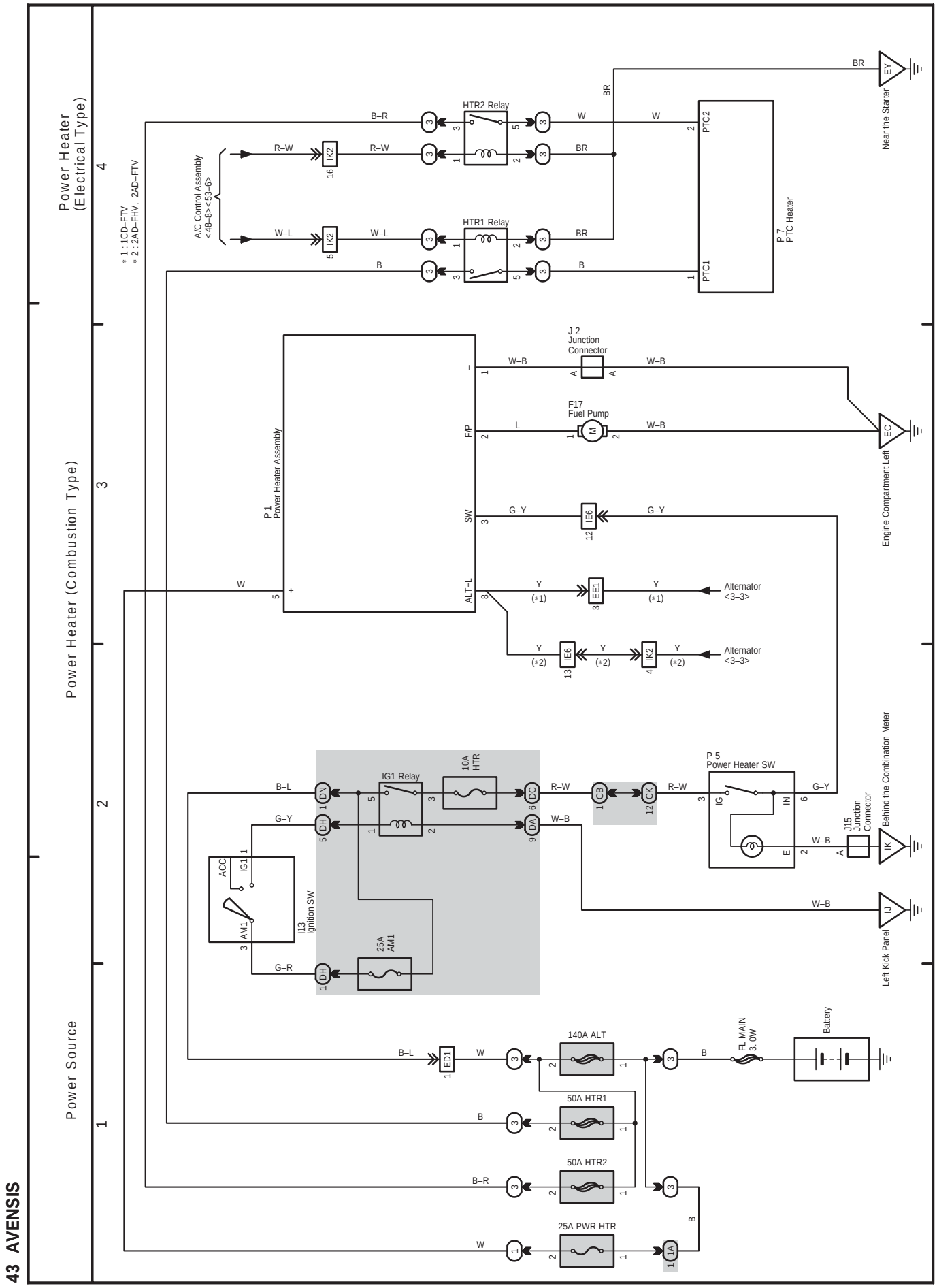

42 AVENSIS (Cont' d)
Combination Meter
C10(A), C11(B)
Combination Meter
* 1 : Gasoline
* 2 : Diesel
Multiplex Communication System (BEAN)<1–14>
Headlight System <13–4>
High Beam
Rear Fog Light System <16–2>
Rear Fog
Front Fog Light System <16–2>
Front Fog
Oil Pressure
Y–B
1K2
O 2
Oil Pressure SW
TRC OFF
Slip
VSC
(w/ VSC)
ABS (w/ VSC) and TRC and VSC System<20–10>
J 2
Junction Connector
V 2
Vacuum SW
R–W
(1CD–FTV)
SRS System <22–4>
SRS
1E1
(*1)
(*2)
B 3
Brake Fluid Level Warning SW
W–B
EC
Engine Compartment Left
Brake
ABS
ABS (w/ VSC) and TRC and VSC System<20–10>
ABS (w/o VSC) System<21–3>
P/S
EPS System<23–2>
Tire Pressure
Tire Pressure Warning System<52–4>
Beam Level
(w/ HID)
Headlight Beam Level Control System<24–3>
Check Engine
Engine Control System <5–5><6–7><7–6> <8–6><50–6><51–5>
Filter
B–W
J 8(A), J26(B)
Junction Connector
(LHD)
(RHD)
10A IGN
B–R

http://vnx.su


Power Heater (Electrical Type)
Power Heater (Combustion Type)
Power Source
* 1 : 1CD–FTV
* 2 : 2AD–FHV, 2AD–FTV
HTR2 Relay
HTR1 Relay
A/C Control Assembly
<48–8><53–6>
IK2
PTC2
PTC1
P 7
PTC Heater
Near the Starter
EY
J 2
Junction
Connector
F17
Fuel Pump
EC
Engine Compartment Left
P 1
Power Heater Assembly
F/P
SW
ALT+L
IE6
EE1
Alternator
<3–3>
IG1 Relay
10A
HTR
DN
DH
DC
DA
CB
CK
P 5
Power Heater SW
IG
IN
E
J15
Junction
Connector
IK
Behind the Combination Meter
ACC
IG1
AM1
I13
Ignition SW
25A
AM1
IJ
Left Kick Panel
ED1
140A ALT
FL MAIN
3. 0W
Battery
50A HTR1
50A HTR2
25A PWR HTR
1A

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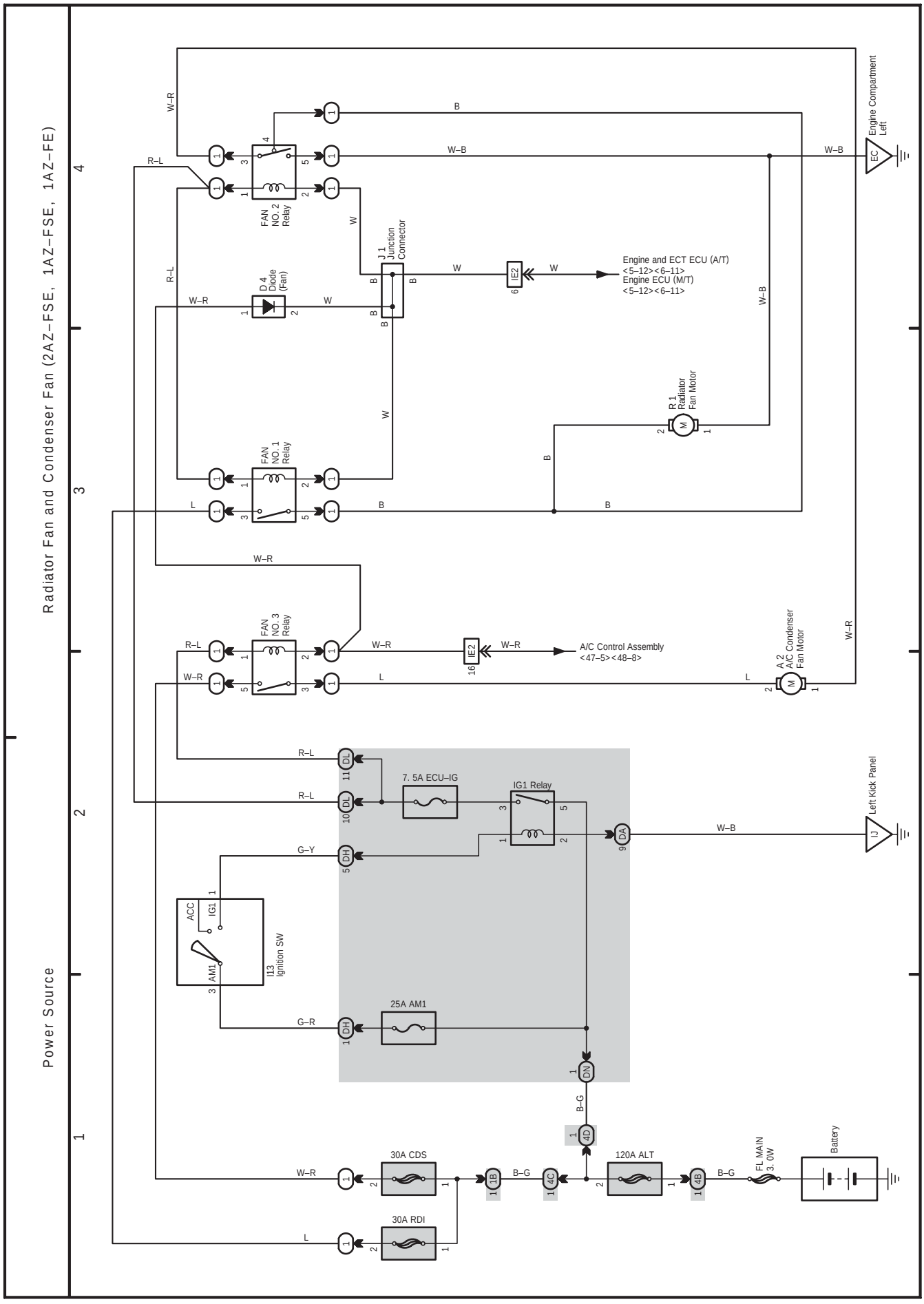
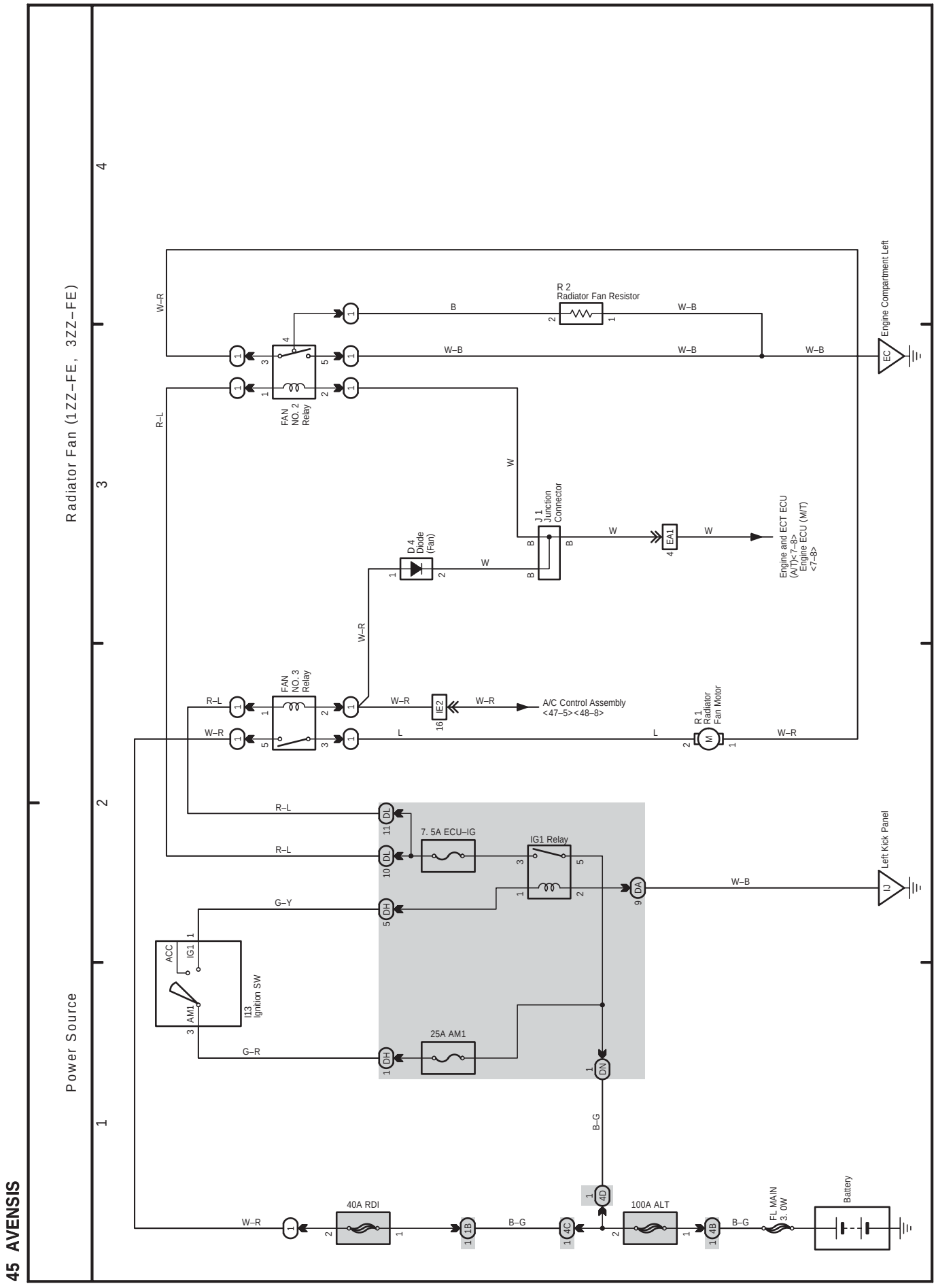

Radiator Fan and Condenser Fan (2AZ–FSE, 1AZ–FSE, 1AZ–FE)
Power Source
FAN NO. 2 Relay
FAN NO. 1 Relay
FAN NO. 3 Relay
J 1 Junction Connector
D 4 Diode (Fan)
R 1 Radiator Fan Motor
A 2 A/C Condenser Fan Motor
Engine and ECT ECU (A/T) <5–12><6–11> Engine ECU (M/T) <5–12><6–11>
A/C Control Assembly <47–5><48–8>
Engine Compartment Left
Left Kick Panel
7. 5A ECU–IG
IG1 Relay
25A AM1
I13 Ignition SW
30A CDS
30A RDI
120A ALT
FL MAIN 3. 0W
Battery
W–R
R–L
W
W–B
B
B–G
G–Y
G–R
L

http://vnx.su


45 AVENSIS
Power Source
Radiator Fan (1ZZ–FE, 3ZZ–FE)
1
2
3
4
R 2
Radiator Fan Resistor
FAN NO. 2 Relay
FAN NO. 3 Relay
D 4
Diode (Fan)
J 1
Junction Connector
R 1
Radiator Fan Motor
A/C Control Assembly
<47–5><48–8>
Engine and ECT ECU (A/T)<7–8>
Engine ECU (M/T)<7–8>
Engine Compartment Left
Left Kick Panel
7. 5A ECU–IG
IG1 Relay
25A AM1
40A RDI
100A ALT
FL MAIN
Battery
I13
Ignition SW
ACC
IG1
AM1
W–R
R–L
W
W–B
B
B–G
G–Y
G–R
L

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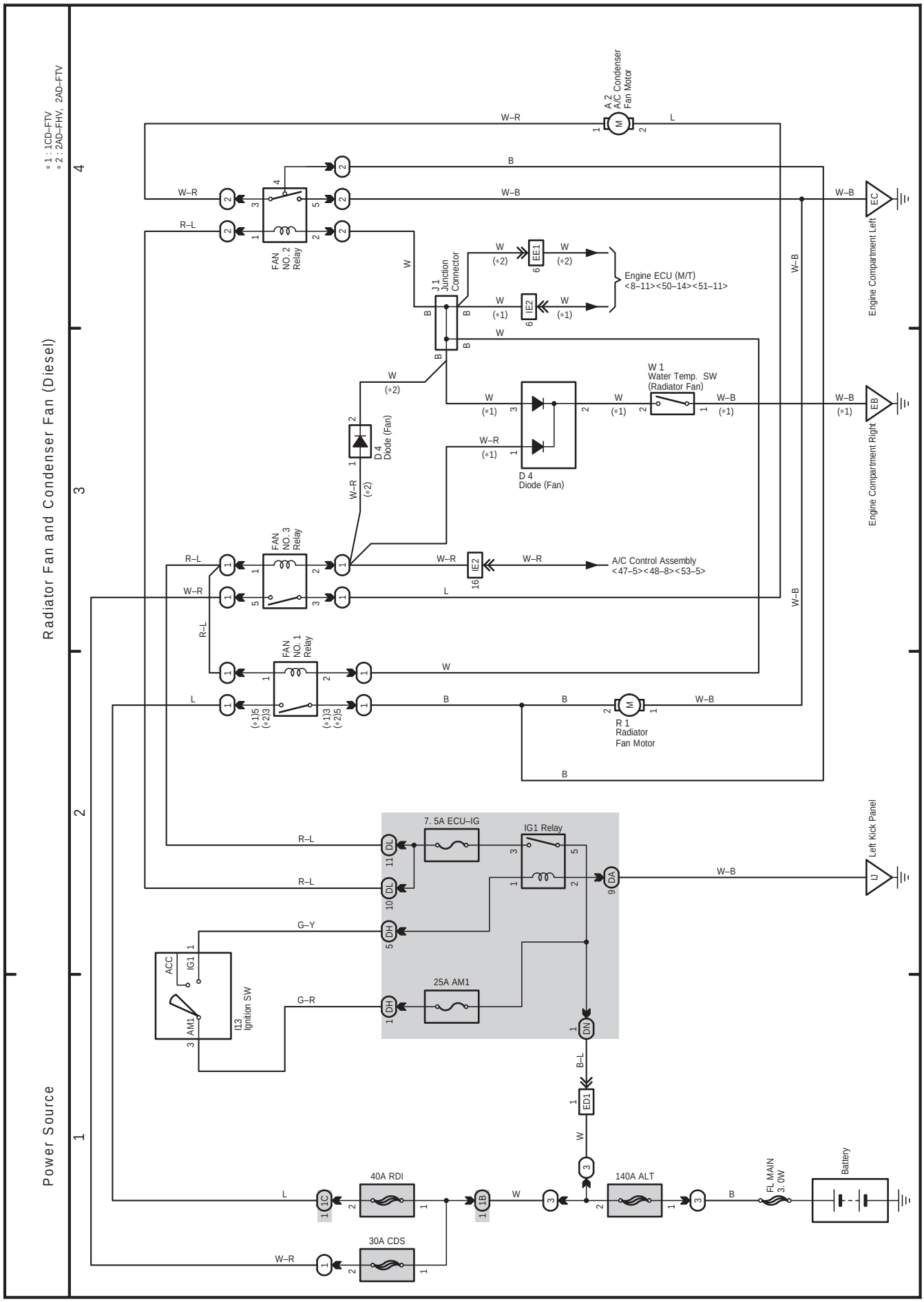
* 1 : 1CD–FTV
* 2 : 2AD–FHV, 2AD–FTV
Radiator Fan and Condenser Fan (Diesel)
Power Source
A 2 A/C Condenser Fan Motor
FAN NO. 2 Relay
FAN NO. 3 Relay
FAN NO. 1 Relay
J 1 Junction Connector
Engine ECU (M/T) <8–11><50–14><51–11>
W 1 Water Temp. SW (Radiator Fan)
D 4 Diode (Fan)
A/C Control Assembly <47–5><48–8><53–5>
R 1 Radiator Fan Motor
Engine Compartment Left
Engine Compartment Right
Left Kick Panel
7. 5A ECU–IG
IG1 Relay
25A AM1
I13 Ignition SW
40A RDI
30A CDS
140A ALT
FL MAIN 3. 0W
Battery

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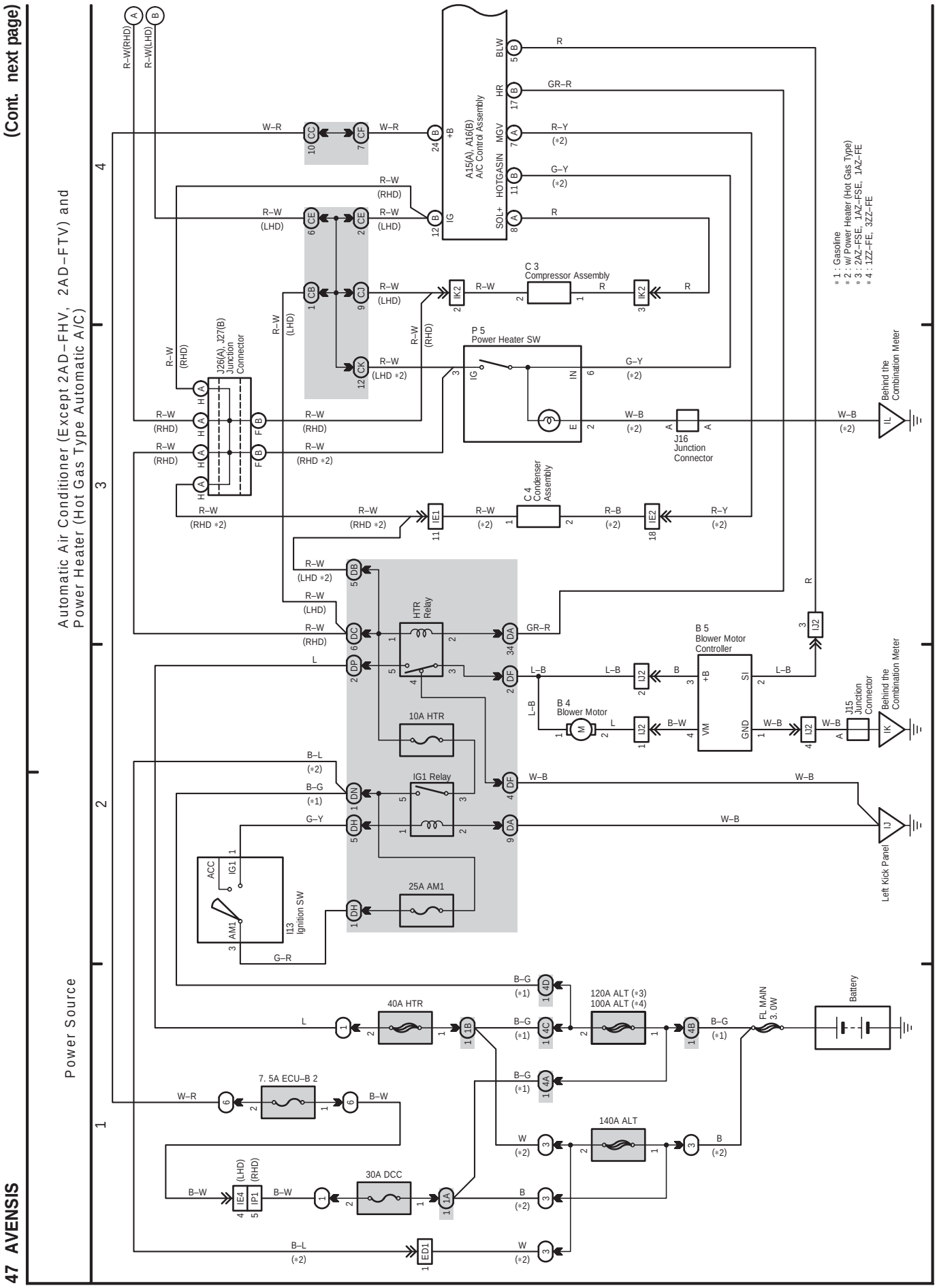
(Cont. next page)
Automatic Air Conditioner (Except 2AD–FHV, 2AD–FTV) and Power Heater (Hot Gas Type Automatic A/C)
Power Source
47 AVENSIS
A15(A), A16(B) A/C Control Assembly
C 3 Compressor Assembly
P 5 Power Heater SW
C 4 Condenser Assembly
B 5 Blower Motor Controller
B 4 Blower Motor
J16 Junction Connector
J15 Junction Connector
J26(A), J27(B) Junction Connector
HTR Relay
IG1 Relay
10A HTR
25A AM1
I13 Ignition SW
7. 5A ECU–B 2
40A HTR
120A ALT (*3) 100A ALT (*4)
140A ALT
30A DCC
FL MAIN 3. 0W
Battery
Behind the Combination Meter
Left Kick Panel
* 1 : Gasoline
* 2 : w/ Power Heater (Hot Gas Type)
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE

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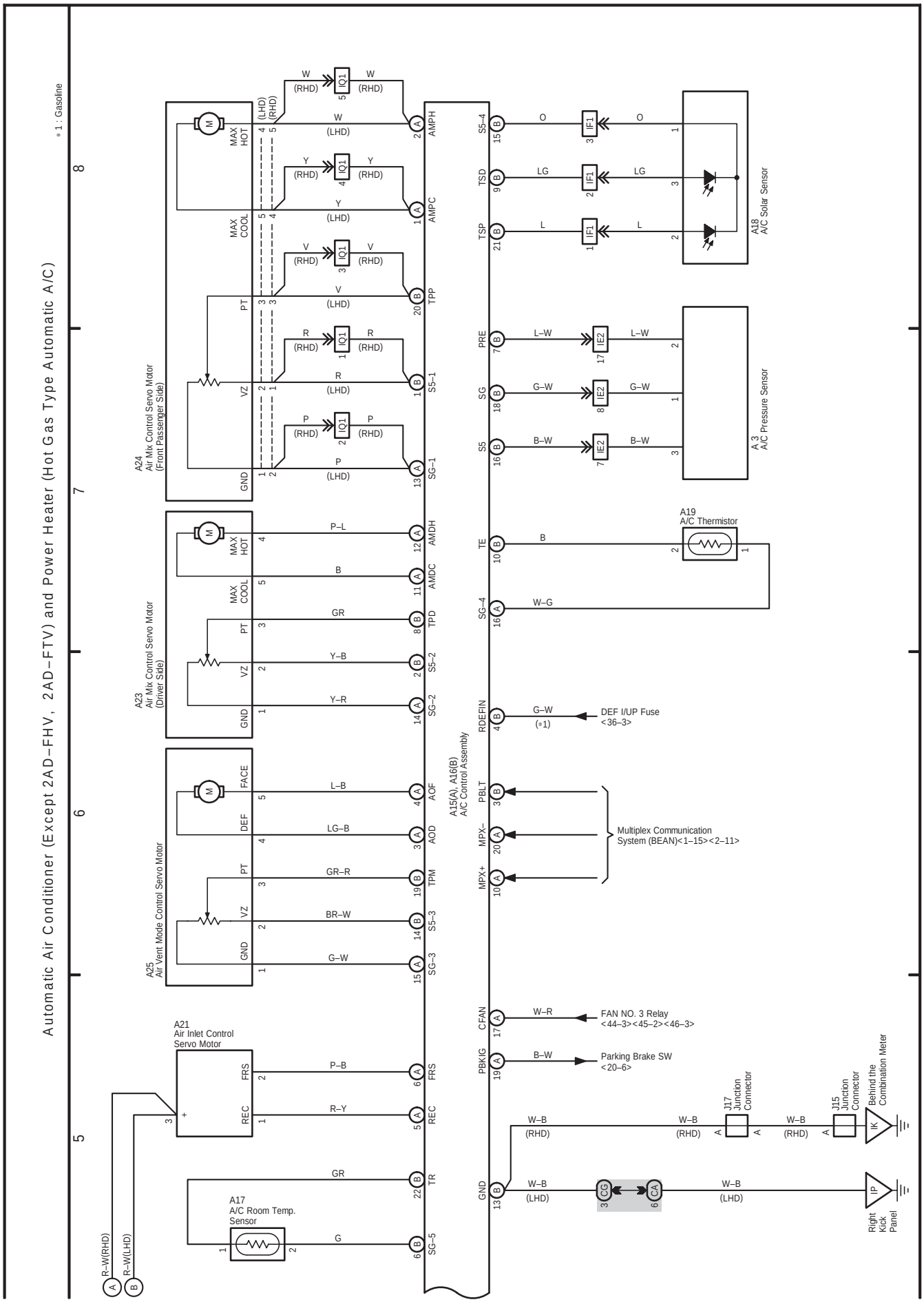
47 AVENSIS (Cont' d)



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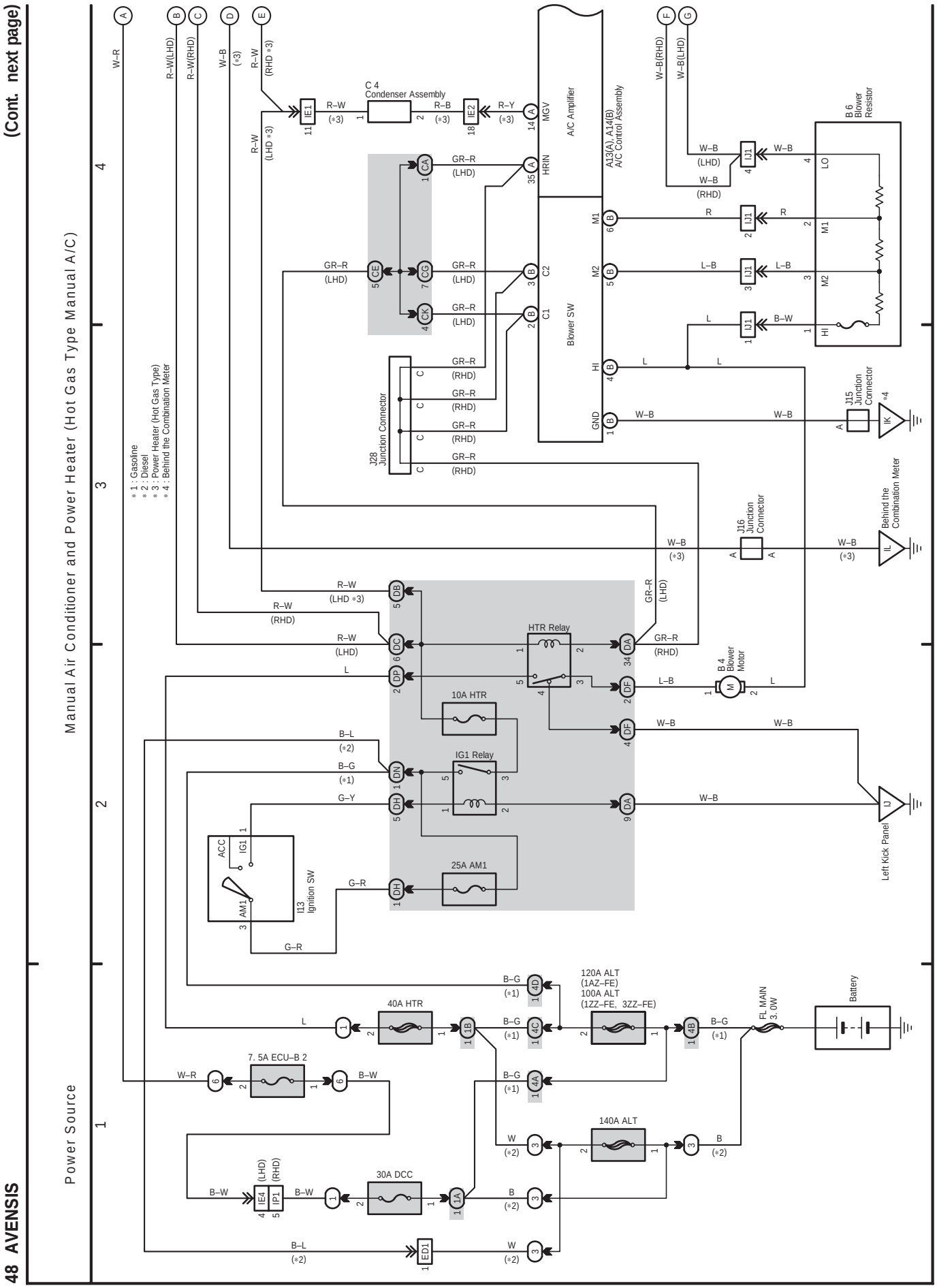
(Cont. next page)
Manual Air Conditioner and Power Heater (Hot Gas Type Manual A/C)
Power Source
48 AVENSIS
* 1 : Gasoline
* 2 : Diesel
* 3 : Power Heater (Hot Gas Type)
* 4 : Behind the Combination Meter
C 4 Condenser Assembly
A/C Amplifier
A13(A), A14(B) A/C Control Assembly
Blower SW
B 6 Blower Resistor
B 4 Blower Motor
J28 Junction Connector
J15 Junction Connector
J16 Junction Connector
Behind the Combination Meter
HTR Relay
IG1 Relay
10A HTR
25A AM1
I13 Ignition SW
Left Kick Panel
40A HTR
7. 5A ECU–B 2
30A DCC
120A ALT (1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN 3. 0W
Battery

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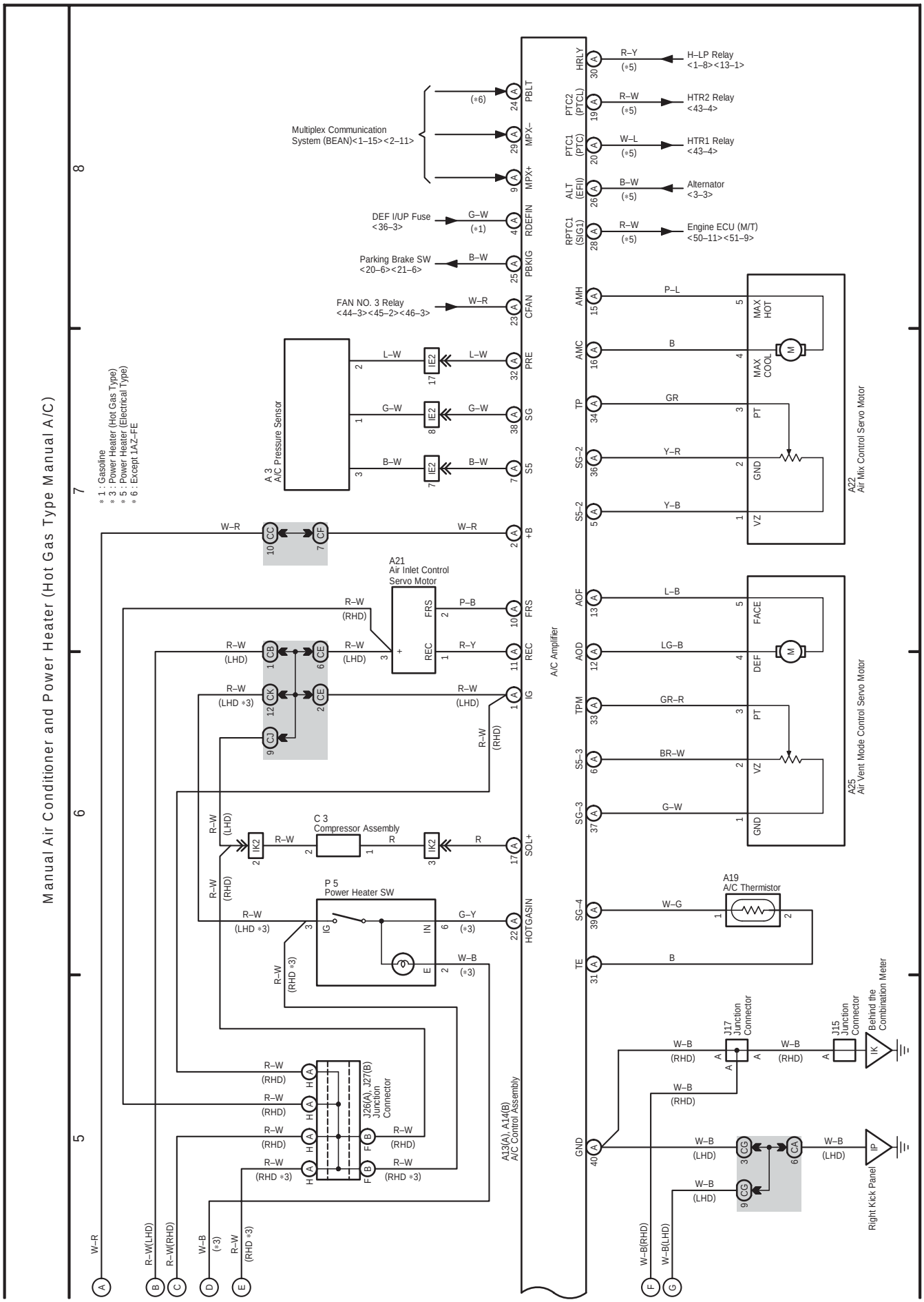
48 AVENSIS (Cont' d)



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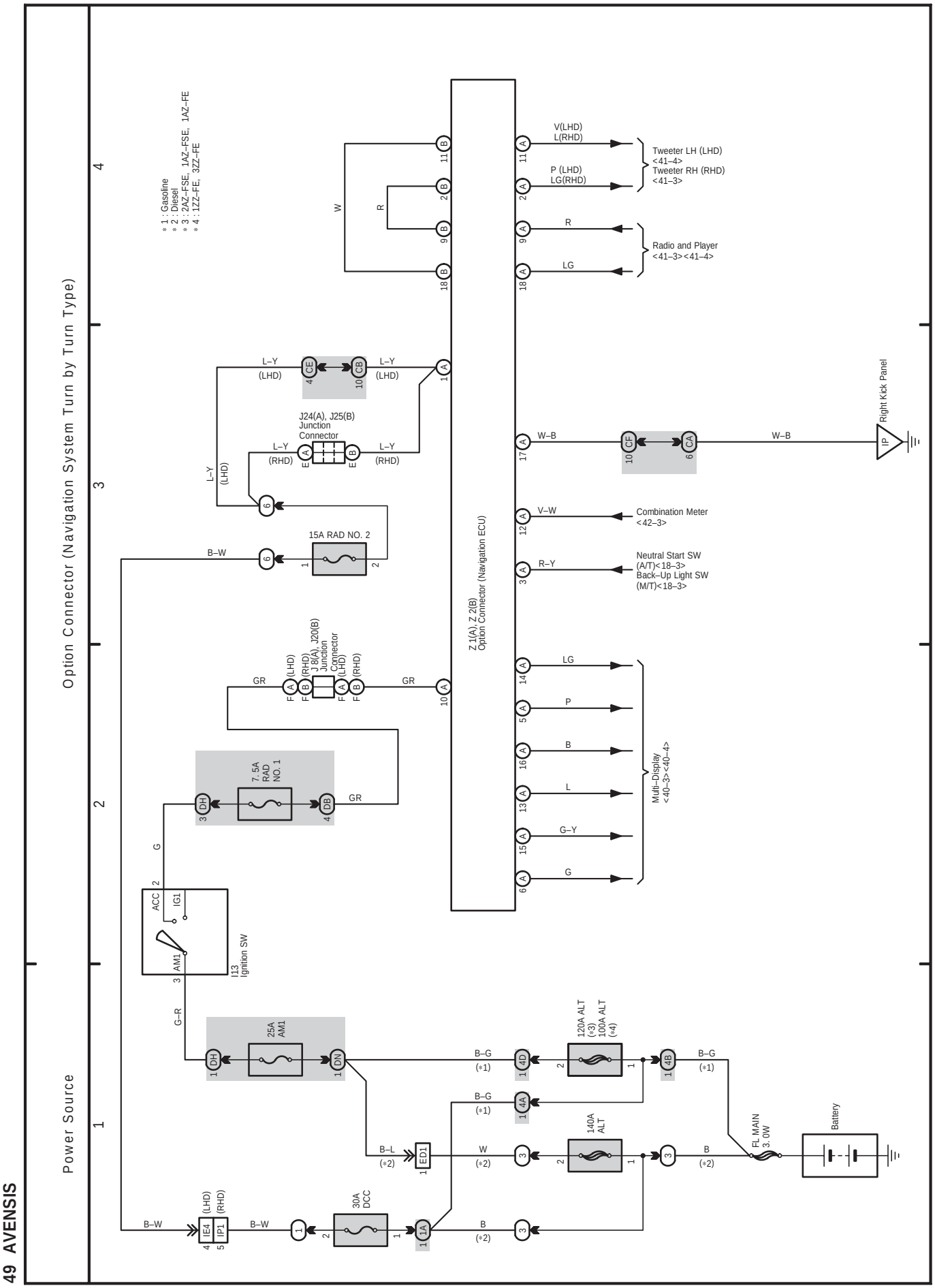
Option Connector (Navigation System Turn by Turn Type)
Power Source
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
Z 1(A), Z 2(B)
Option Connector (Navigation ECU)
V(LHD)
L(RHD)
Tweeter LH (LHD)
<41–4>
Tweeter RH (RHD)
<41–3>
P (LHD)
LG(RHD)
R
Radio and Player
<41–3><41–4>
LG
W
R
L–Y
(LHD)
CE
CB
J24(A), J25(B)
Junction
Connector
L–Y
(RHD)
W–B
CF
CA
Right Kick Panel
IP
V–W
Combination Meter
<42–3>
R–Y
Neutral Start SW
(A/T)<18–3>
Back–Up Light SW
(M/T)<18–3>
15A RAD NO. 2
B–W
J18(A), J20(B)
Junction
Connector
GR
LG
P
B
L
G–Y
G
Multi–Display
<40–3><40–4>
7.5A
RAD
NO. 1
ACC
IG1
AM1
I13
Ignition SW
G
G–R
25A
AM1
120A ALT
(*3)
100A ALT
(*4)
B–G
(*1)
B–L
(*2)
ED1
140A
ALT
W
B
(*2)
FL MAIN
3. 0W
Battery
IE4
IP1
30A
DCC
1A
4A
4B
4D
DH
DN
DB

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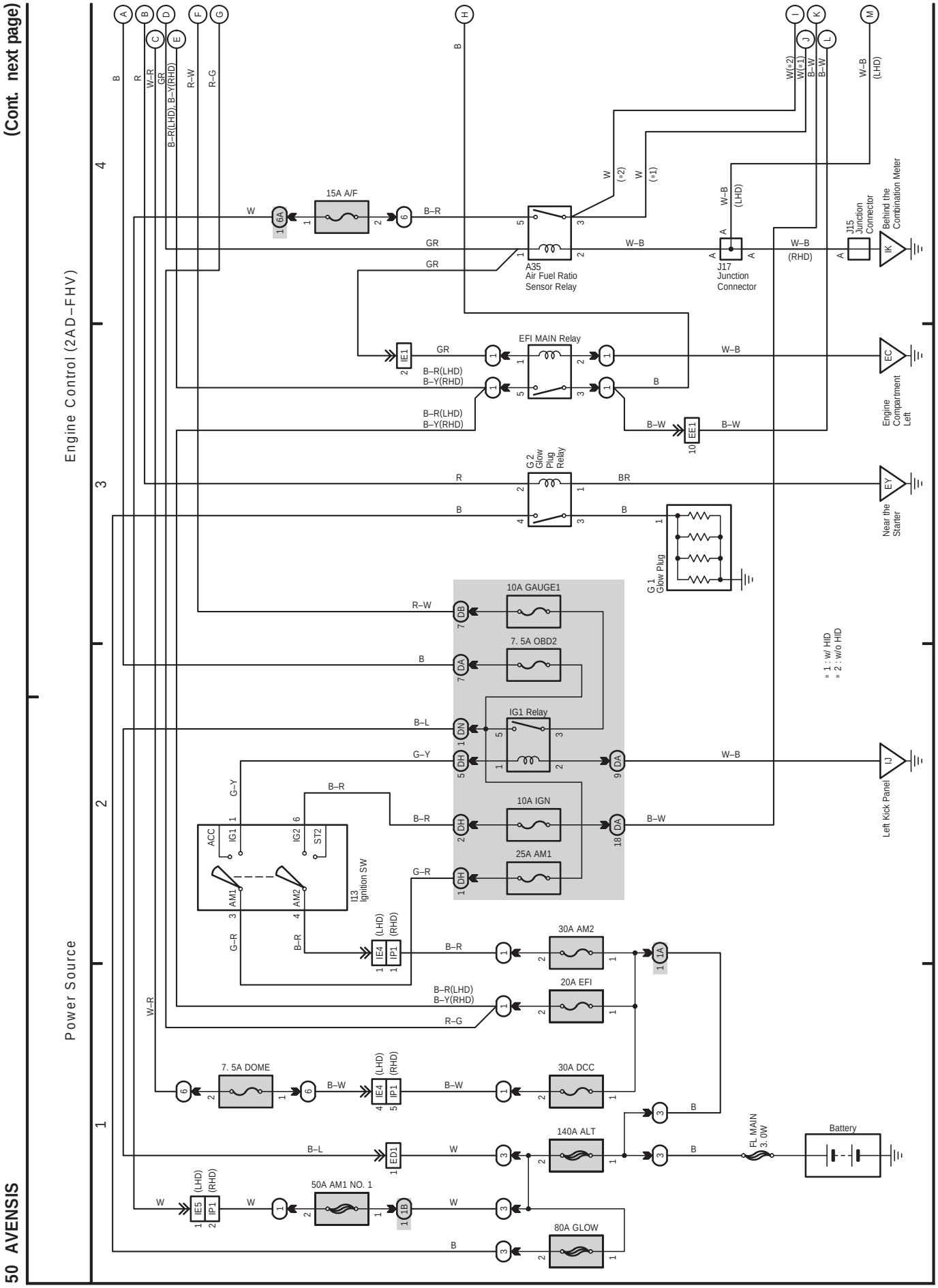
(Cont. next page)
Engine Control (2AD–FHV)
Power Source
50 AVENSIS
15A A/F
A35
Air Fuel Ratio
Sensor Relay
J17
Junction
Connector
J15
Junction
Connector
Behind the
Combination Meter
EFI MAIN Relay
G 2
Glow
Plug
Relay
G 1
Glow Plug
Near the
Starter
Engine
Compartment
Left
Left Kick Panel
10A GAUGE1
7. 5A OBD2
IG1 Relay
10A IGN
25A AM1
I13
Ignition SW
30A AM2
20A EFI
7. 5A DOME
30A DCC
140A ALT
50A AM1 NO. 1
80A GLOW
FL MAIN
3. 0W
Battery
* 1 : w/ HID
* 2 : w/o HID

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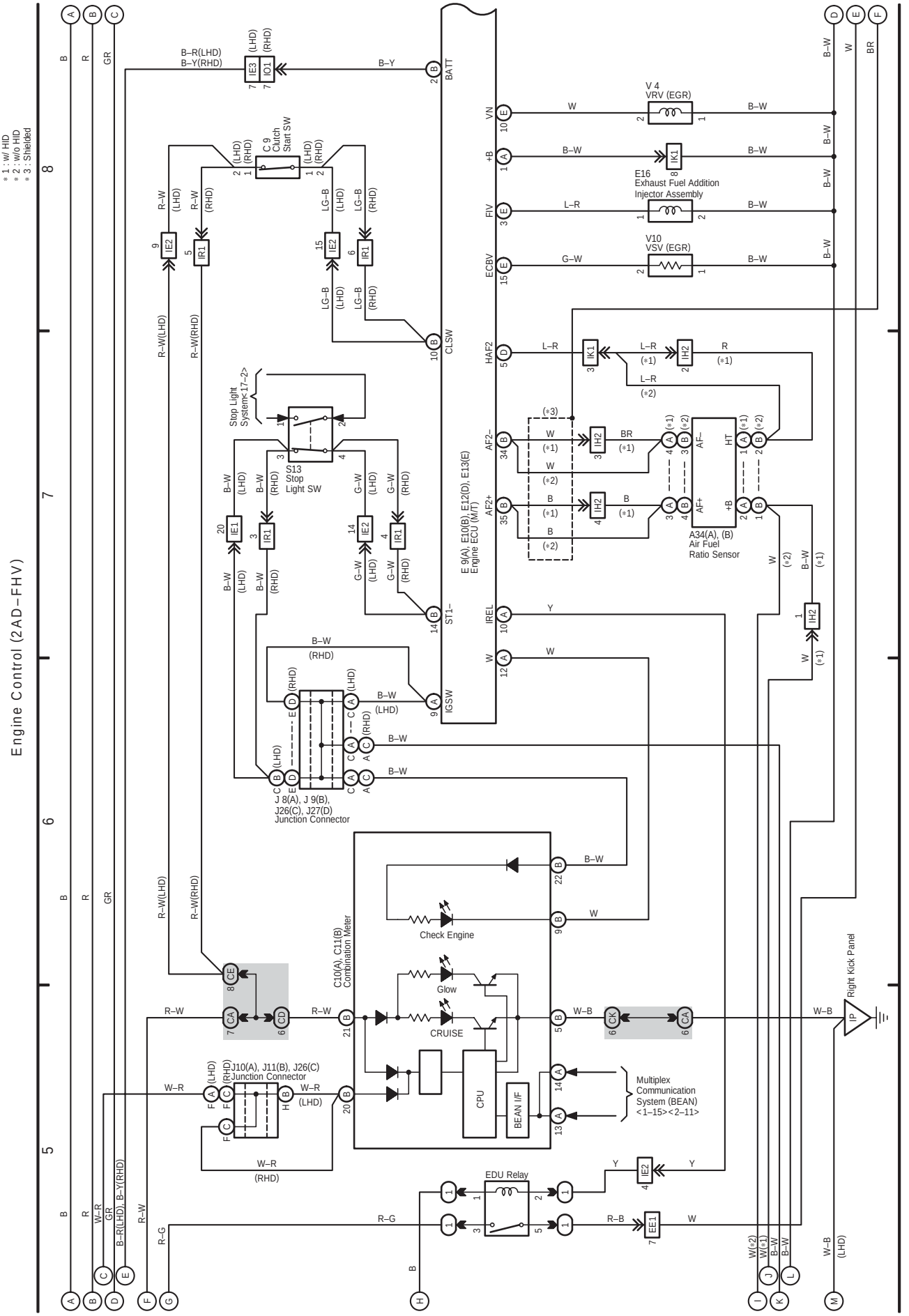
50 AVENSIS (Cont' d)

(Cont. next page)



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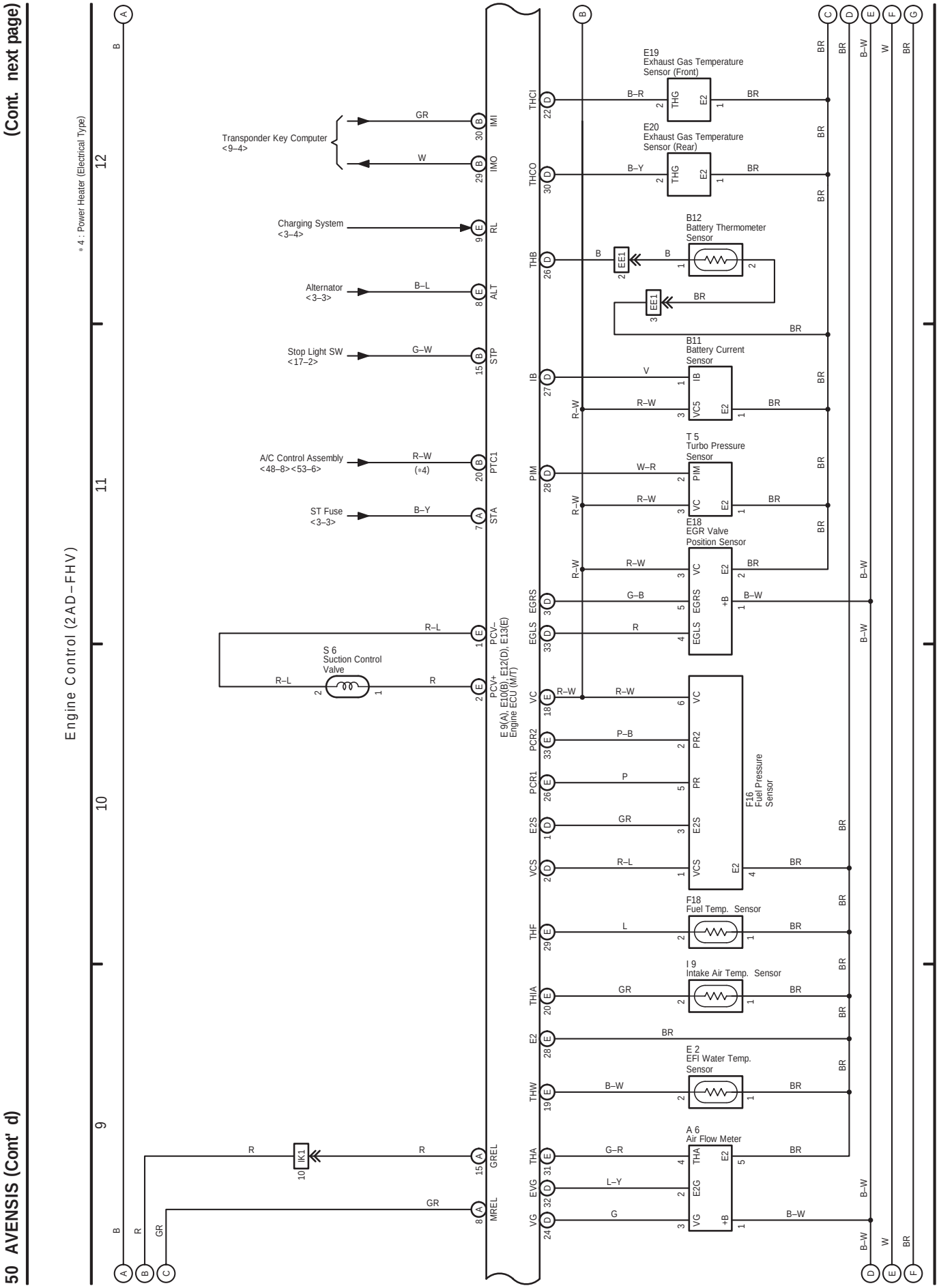
(Cont. next page)
50 AVENSIS (Cont' d)
Engine Control (2AD–FHV)
∗4 : Power Heater (Electrical Type)
Transponder Key Computer <9–4>
Charging System <3–4>
Alternator <3–3>
Stop Light SW <17–2>
A/C Control Assembly <48–8><53–6>
ST Fuse <3–3>
S 6 Suction Control Valve
PCV+ PCV– E 9(A), E10(B), E12(D), E13(E) Engine ECU (M/T)
E19 Exhaust Gas Temperature Sensor (Front)
E20 Exhaust Gas Temperature Sensor (Rear)
B12 Battery Thermometer Sensor
B11 Battery Current Sensor
T 5 Turbo Pressure Sensor
E18 EGR Valve Position Sensor
F16 Fuel Pressure Sensor
F18 Fuel Temp. Sensor
I 9 Intake Air Temp. Sensor
E 2 EFI Water Temp. Sensor
A 6 Air Flow Meter

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50 AVENSIS (Cont' d)

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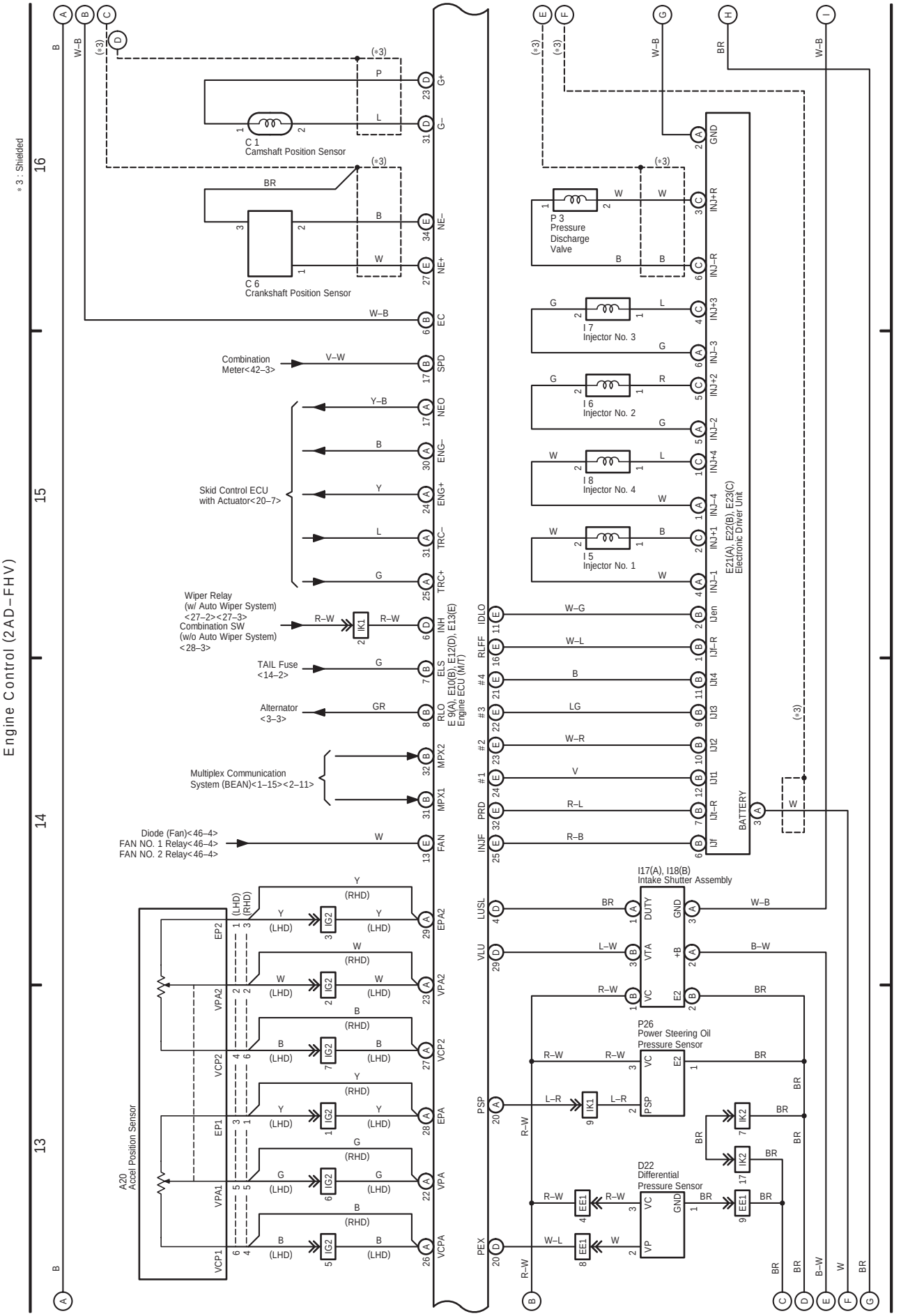

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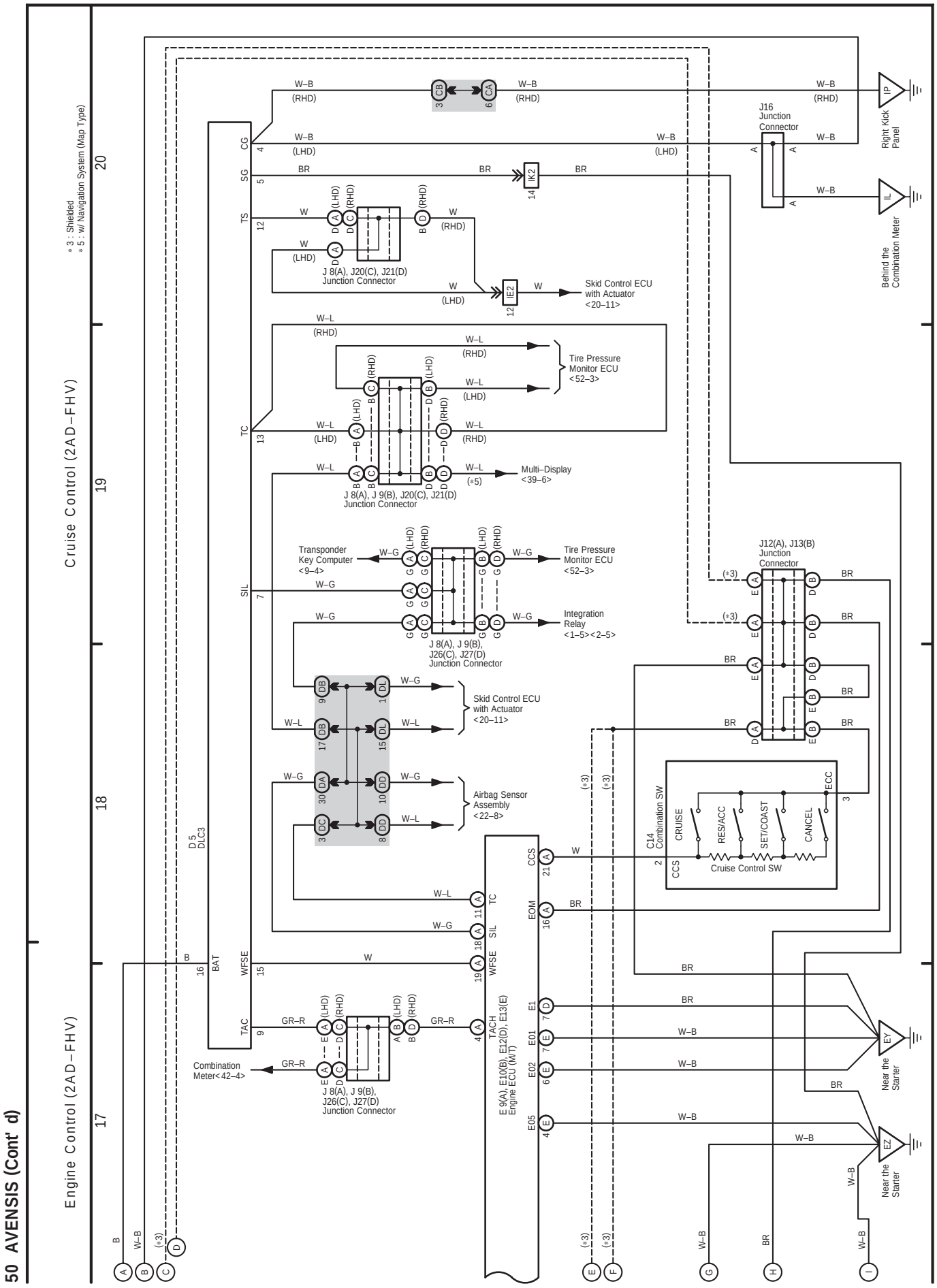
50 AVENSIS (Cont' d)
Engine Control (2AD–FHV)
Cruise Control (2AD–FHV)
17
18
19
20
* 3 : Shielded
* 5 : w/ Navigation System (Map Type)
D 5
DLC3
BAT
WFSE
TAC
CG
SG
TS
TC
SIL
J16
Junction
Connector
Right Kick
Panel
IP
IL
Behind the
Combination Meter
IK2
IE2
J 8(A), J20(C), J21(D)
Junction Connector
Skid Control ECU
with Actuator
<20–11>
Tire Pressure
Monitor ECU
<52–3>
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
Multi–Display
<39–6>
Transponder
Key Computer
<9–4>
J 8(A), J 9(B),
J26(C), J27(D)
Junction Connector
Integration
Relay
<1–5><2–5>
Airbag Sensor
Assembly
<22–8>
J12(A), J13(B)
Junction
Connector
C14
Combination SW
CRUISE
RES/ACC
SET/COAST
CANCEL
CCS
ECC
Cruise Control SW
Combination
Meter<42–4>
J 8(A), J 9(B),
J26(C), J27(D)
Junction Connector
E 9(A), E10(B), E12(D), E13(E)
Engine ECU (M/T)
CCS
EOM
TC
SIL
WFSE
TACH
E1
E01
E02
E05
EY
EZ
Near the
Starter
Near the
Starter

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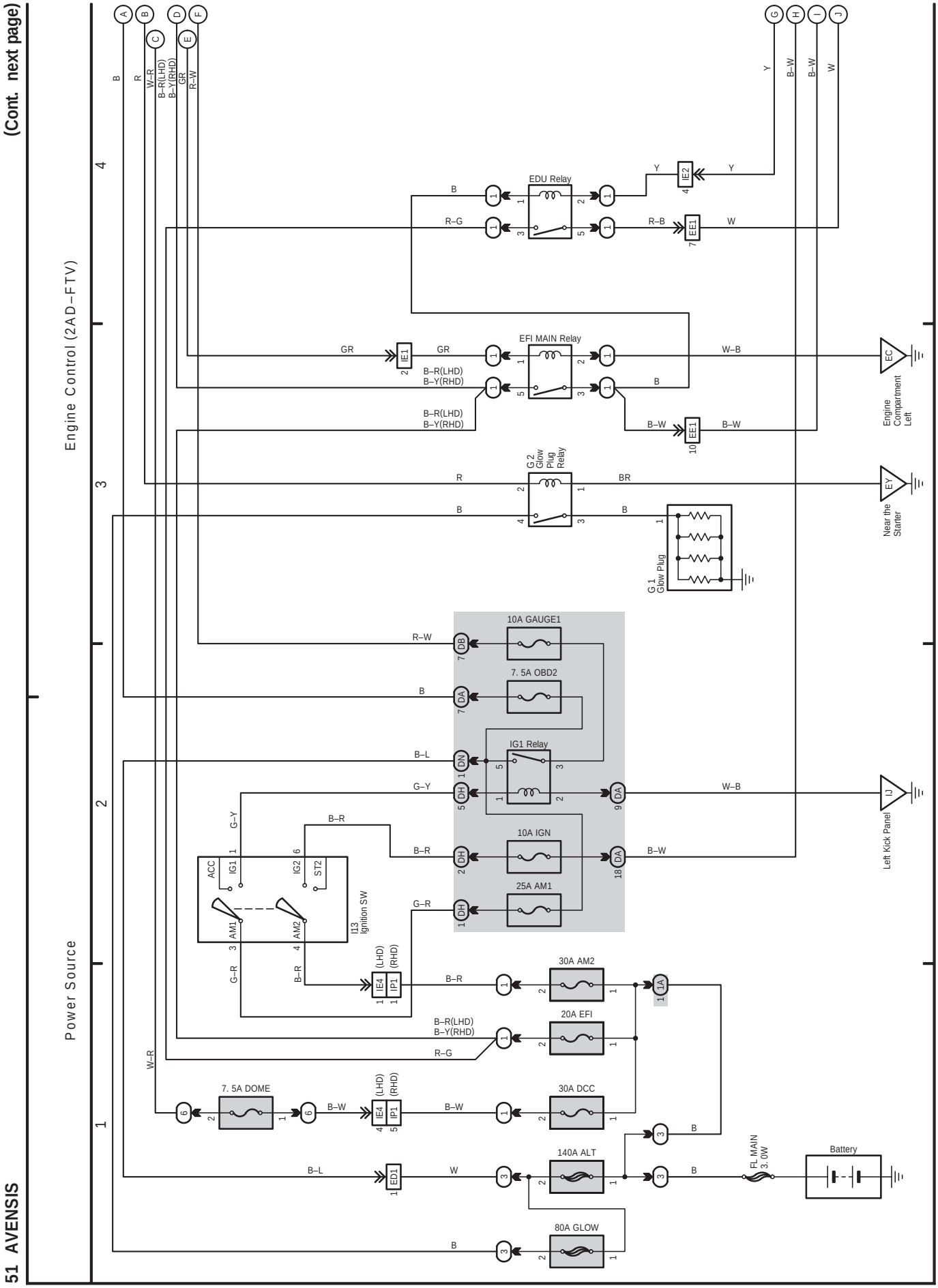
(Cont. next page)
Engine Control (2AD–FTV)
Power Source
51 AVENSIS
EDU Relay
EFI MAIN Relay
G 2 Glow Plug Relay
G 1 Glow Plug
10A GAUGE1
7. 5A OBD2
IG1 Relay
10A IGN
25A AM1
I13 Ignition SW
30A AM2
20A EFI
7. 5A DOME
30A DCC
140A ALT
80A GLOW
FL MAIN 3. 0W
Battery
Engine Compartment Left
Near the Starter
Left Kick Panel

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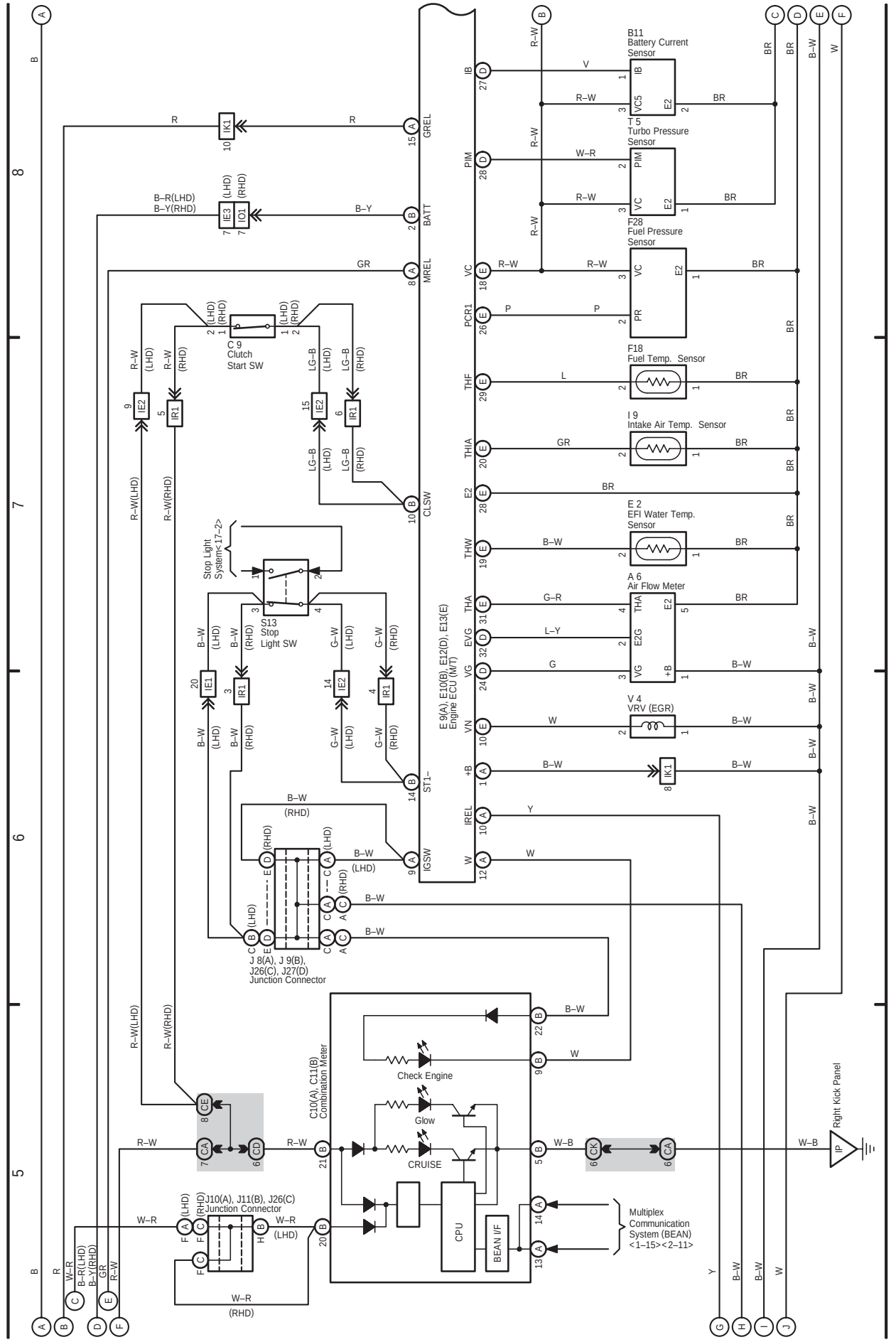
51 AVENSIS (Cont' d)

(Cont. next page)



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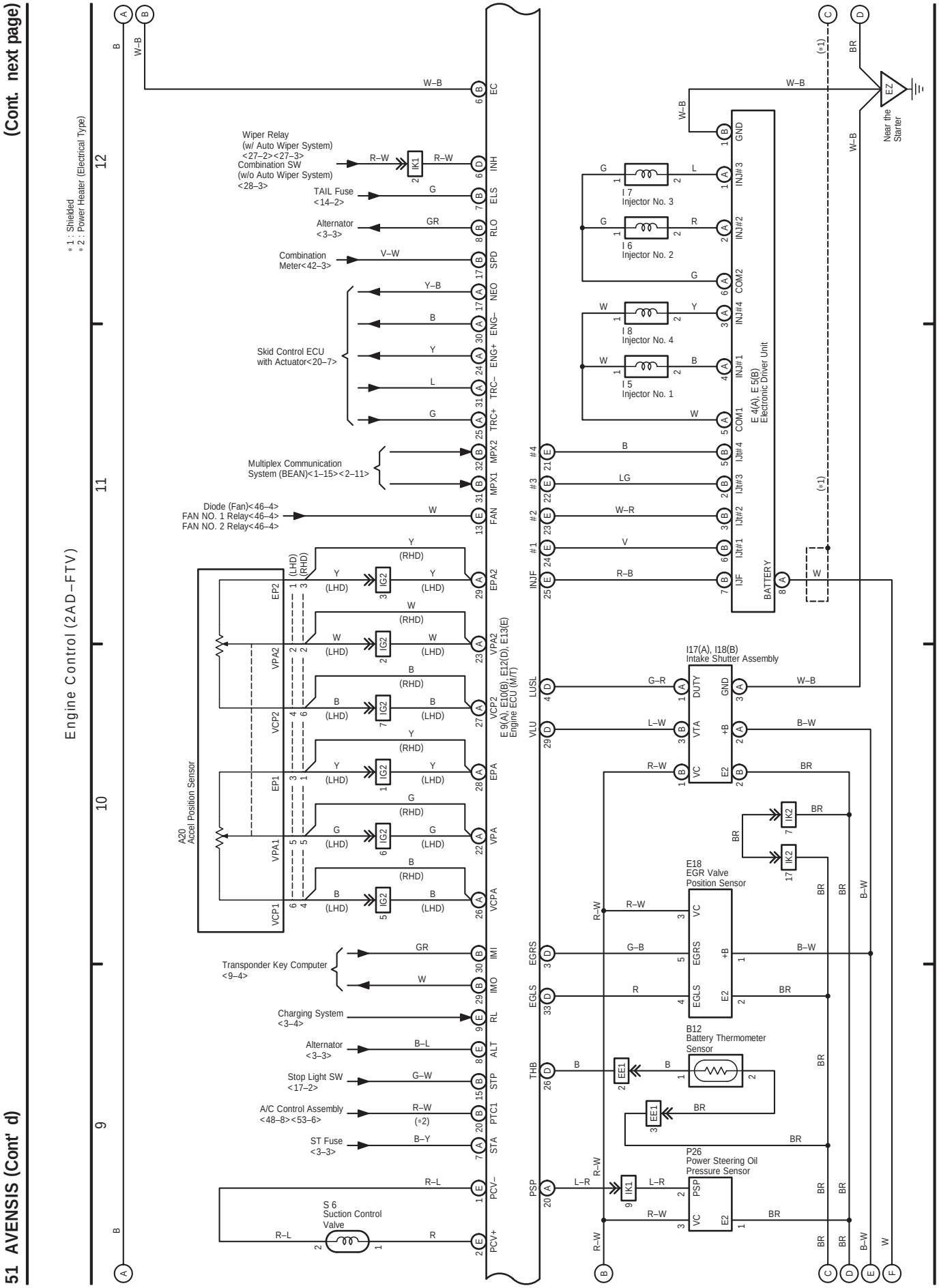
(Cont. next page)
51 AVENSIS (Cont' d)
Engine Control (2AD–FTV)
9
10
11
12
* 1 : Shielded
* 2 : Power Heater (Electrical Type)
Wiper Relay (w/ Auto Wiper System) <27–2><27–3>
Combination SW (w/o Auto Wiper System) <28–3>
TAIL Fuse <14–2>
Alternator <3–3>
Combination Meter<42–3>
Skid Control ECU with Actuator<20–7>
Multiplex Communication System (BEAN)<1–15><2–11>
Diode (Fan)<46–4>
FAN NO. 1 Relay<46–4>
FAN NO. 2 Relay<46–4>
A20 Accel Position Sensor
Transponder Key Computer <9–4>
Charging System <3–4>
Alternator <3–3>
Stop Light SW <17–2>
A/C Control Assembly <48–8><53–6>
ST Fuse <3–3>
S 6 Suction Control Valve
E 9(A), E10(B), E12(D), E13(E) Engine ECU (M/T)
E 4(A), E 5(B) Electronic Driver Unit
I 7 Injector No. 3
I 6 Injector No. 2
I 8 Injector No. 4
I 5 Injector No. 1
I17(A), I18(B) Intake Shutter Assembly
E18 EGR Valve Position Sensor
B12 Battery Thermometer Sensor
P26 Power Steering Oil Pressure Sensor
Near the Starter

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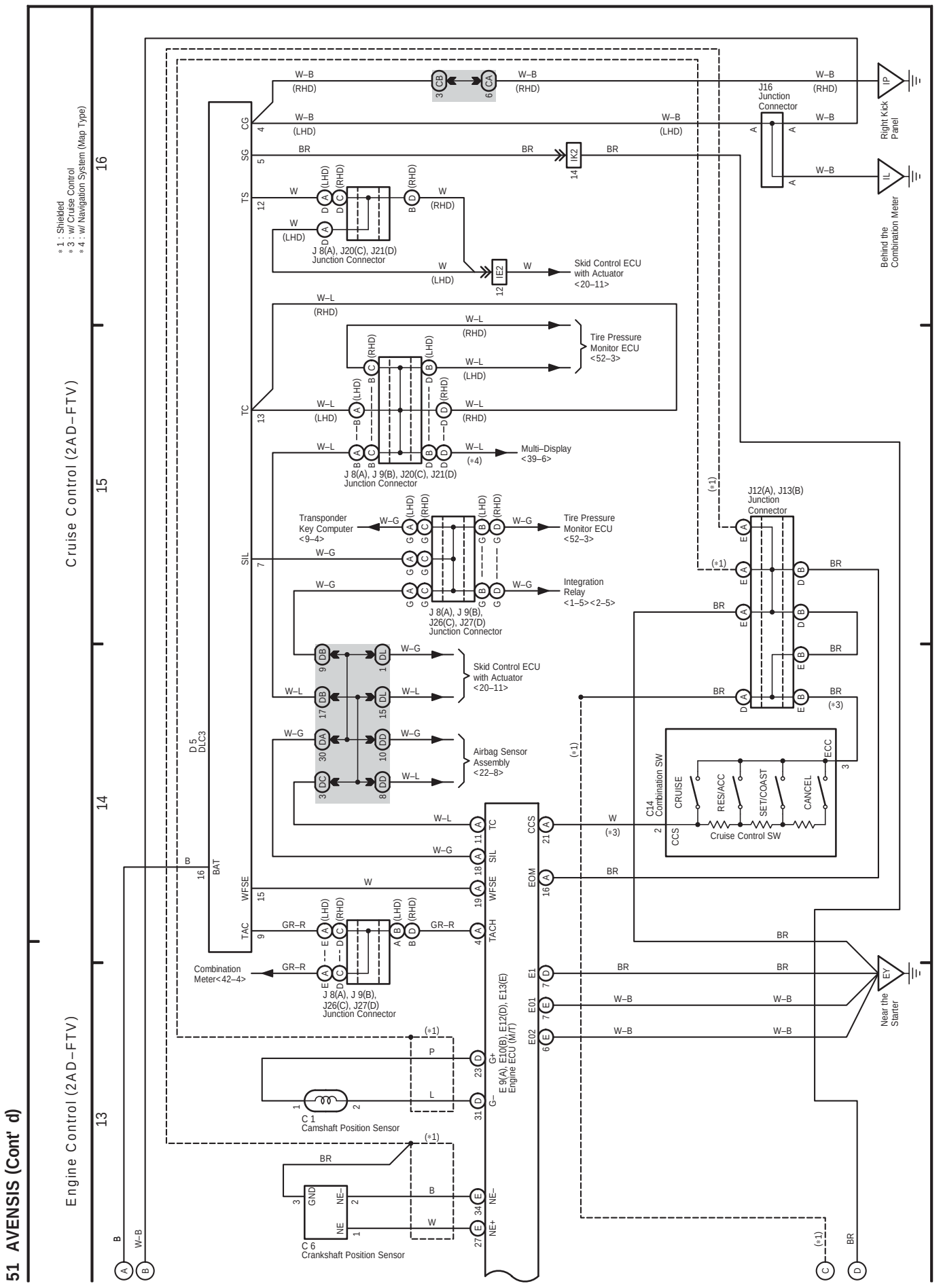
51 AVENSIS (Cont' d)
Engine Control (2AD–FTV)
Cruise Control (2AD–FTV)
* 1 : Shielded
* 3 : w/ Cruise Control
* 4 : w/ Navigation System (Map Type)
J16 Junction Connector
Right Kick Panel
Behind the Combination Meter
Skid Control ECU with Actuator <20–11>
Tire Pressure Monitor ECU <52–3>
Multi–Display <39–6>
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
Transponder Key Computer <9–4>
Integration Relay <1–5><2–5>
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
Airbag Sensor Assembly <22–8>
J12(A), J13(B) Junction Connector
C14 Combination SW
CRUISE
RES/ACC
SET/COAST
CANCEL
ECC
CCS
Cruise Control SW
Combination Meter<42–4>
C 1 Camshaft Position Sensor
C 6 Crankshaft Position Sensor
E 9(A), E10(B), E12(D), E13(E) Engine ECU (M/T)
Near the Starter
D 5 DLC3

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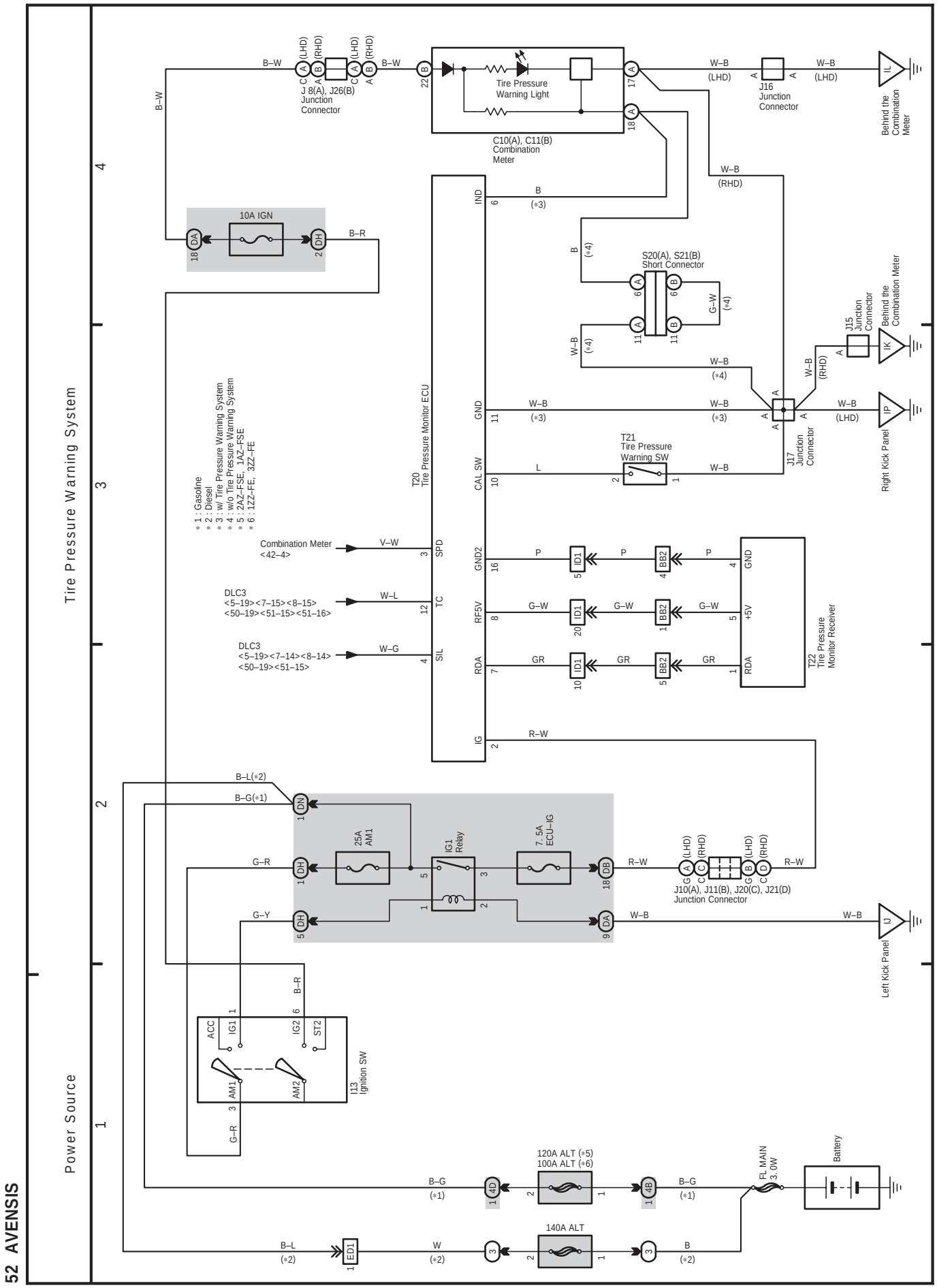
Tire Pressure Warning System
Power Source
52 AVENSIS
J 8(A), J26(B) Junction Connector
Tire Pressure Warning Light
C10(A), C11(B) Combination Meter
J16 Junction Connector
Behind the Combination Meter
10A IGN
S20(A), S21(B) Short Connector
J15 Junction Connector
T20 Tire Pressure Monitor ECU
T21 Tire Pressure Warning SW
J17 Junction Connector
Right Kick Panel
T22 Tire Pressure Monitor Receiver
Combination Meter <42–4>
DLC3 <5–19><7–15><8–15> <50–19><51–15><51–16>
DLC3 <5–19><7–14><8–14> <50–19><51–15>
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Tire Pressure Warning System
* 4 : w/o Tire Pressure Warning System
* 5 : 2AZ–FSE, 1AZ–FSE
* 6 : 1ZZ–FE, 3ZZ–FE
25A AM1
IG1 Relay
7. 5A ECU–IG
J10(A), J11(B), J20(C), J21(D) Junction Connector
Left Kick Panel
I13 Ignition SW
120A ALT (*5) 100A ALT (*6)
140A ALT
FL MAIN 3. 0W
Battery

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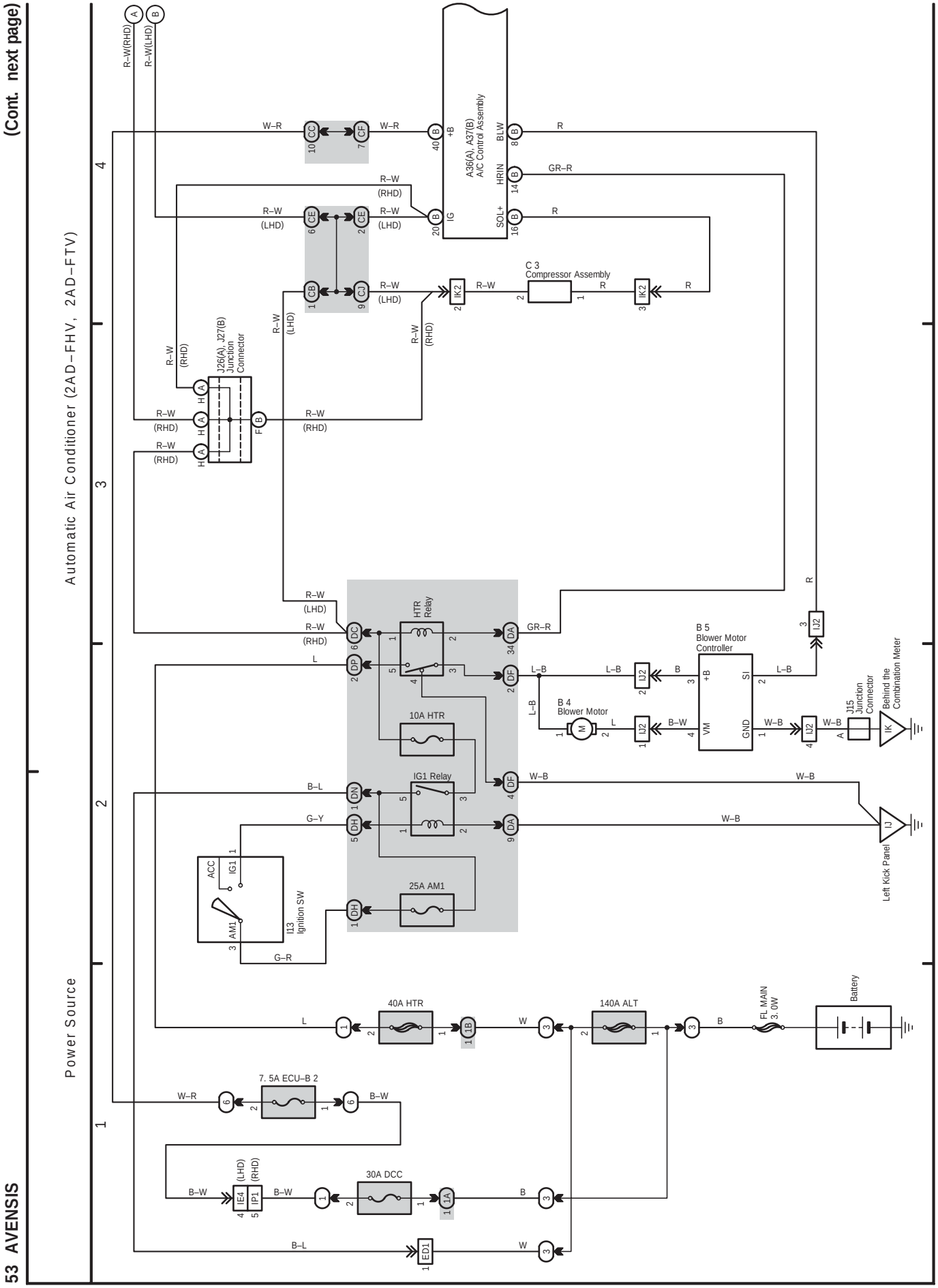
(Cont. next page)
Automatic Air Conditioner (2AD–FHV, 2AD–FTV)
Power Source
A36(A), A37(B)
A/C Control Assembly
C 3
Compressor Assembly
J26(A), J27(B)
Junction
Connector
HTR
Relay
10A HTR
IG1 Relay
25A AM1
I13
Ignition SW
B 4
Blower Motor
B 5
Blower Motor
Controller
J15
Junction
Connector
Behind the
Combination Meter
Left Kick Panel
40A HTR
140A ALT
FL MAIN
3. 0W
Battery
7. 5A ECU–B 2
30A DCC
R–W(RHD)
R–W(LHD)
W–R
R–W
(RHD)
R–W
(LHD)
R
GR–R
L
L–B
B–L
G–Y
W–B
B–W
W
B
G–R

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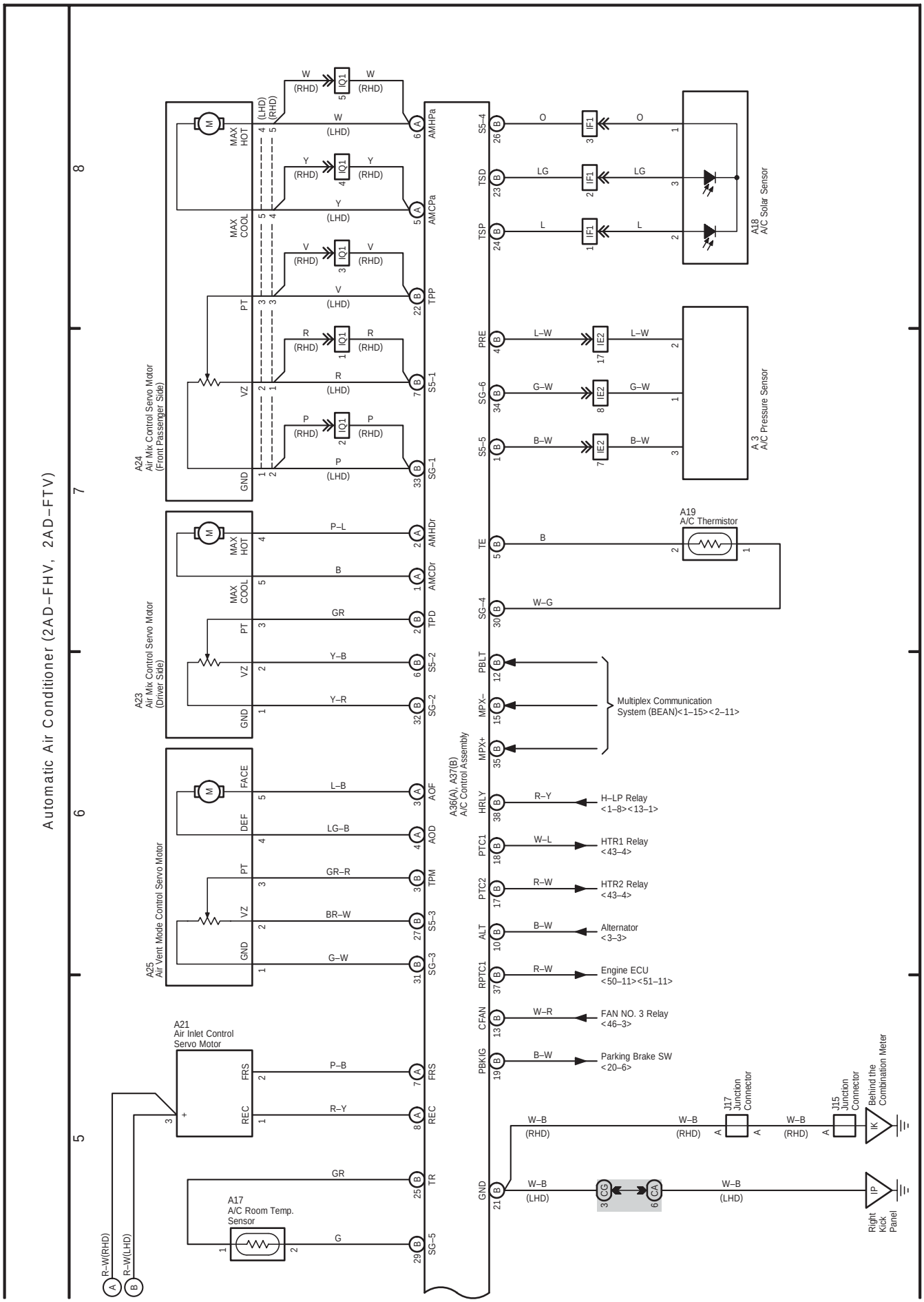
53 AVENSIS
Automatic Air Conditioner (2AD–FHV, 2AD–FTV)
A24
Air Mix Control Servo Motor
(Front Passenger Side)
A23
Air Mix Control Servo Motor
(Driver Side)
A25
Air Vent Mode Control Servo Motor
A21
Air Inlet Control
Servo Motor
A17
A/C Room Temp.
Sensor
A36(A), A37(B)
A/C Control Assembly
A18
A/C Solar Sensor
A3
A/C Pressure Sensor
A19
A/C Thermistor
Multiplex Communication
System (BEAN)<1–15><2–11>
H–LP Relay
<1–8><13–1>
HTR1 Relay
<43–4>
HTR2 Relay
<43–4>
Alternator
<3–3>
Engine ECU
<50–11><51–11>
FAN NO. 3 Relay
<46–3>
Parking Brake SW
<20–6>
J17
Junction
Connector
J15
Junction
Connector
Behind the
Combination Meter
Right
Kick
Panel
R–W(RHD)
R–W(LHD)

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