MITSUBISHI PAJERO '94

WORKSHOP MANUAL
ELECTRICAL WIRING

FILING INSTRUCTION

Please keep these manual pages in the binder No.BN890001 to be send under separate cover.

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Pub. No. PHJE9026-C

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MITSUBISHI PAJERO

ELECTRICAL WIRING

FOREWORD

This Electrical Wiring Manual contains information necessary for inspection and servicing of electrical wiring in the Mitsubishi PAJERO edited in the form of wiring harness configuration diagrams and function-separated circuit diagrams.
It is recommended that all service mechanics engaged in the servicing of the vehicle refer to the following publications as well as this manual.

TECHNICAL INFORMATION MANUAL	PYJE9002
WORKSHOP MANUAL	PWJE9086 (Loose-leaf edition)
WORKSHOP MANUAL Engine Group	PWEE□□□□ (Loose-leaf edition)
PARTS CATALOGUE	B6035604A□

All information, illustrations and product descriptions contained in this manual are current as of time of publication. We, however, reserve the right to make changes at any time without prior notice or obligation.

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GROUP INDEX

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WIRING HARNESS CONFIGURATION DIAGRAMS 2A
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HOW TO USE THIS MANUAL

CONTENTS

The preceding page contains GROUP INDEX which lists the group title and group number.

PAGE NUMBERS

All page numbers consist of two sets of digits separated by a dash. The digits preceding the dash indentify the number of the group. The digits following the dash represent the consecutive page number within the group. The page numbers can be found on the top left or right of each page.

OPERATION AND TROUBLESHOOTING HINTS

In the GROUP 4A circuit diagrams, the operation and troubleshooting hints are given on the previous page or following page for each circuit where necessary.

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1A HOW TO READ THE WIRING DIAGRAMS

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NOTES

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MODEL

‹2-DOOR MODELS›

Model code		Body style	Engine model	Transmission model	Fuel supply system
V24C	NSFL6	Canvas top	4D56 [2477 cm³, (151.2 cu.in.)] with turbocharger and intercooler	V5MT1 (5M/T)	Injection
V23C	GNHEL6	Canvas top with wide fender	6G72 [2972 cm³, (181.3 cu.in.)]	V5MT1 (5M/T)	MPI
	GRHEL6			V4AW2 (4A/T)	
V21W	NHEL6	Wagon	4G64 [2351 cm³, (143.5 cu.in.)]	V5M21 (5M/T)	
V24W	NDFL6		4D56 [2477 cm³, (151.2 cu.in.)] with turbocharger and intercooler	V5MT1 (5M/T)	Injection
	NHFL6/R6				
	NAFL6				
	NBFL6				
V24WG	NXFL6/R6	Wagon with wide fender			
	NCFL6				
V23W	GNXEL6/R6		6G72 [2972 cm³, (181.3 cu.in.)]	V4AW2 (4A/T)	MPI
	GRXEL6/R6				
V25W	GNXML6/R6		6G74 [3497 cm³, (213.3 cu.in.)]	V5M31 (5M/T)	
	GRXML6/R6			V4AW3 (4A/T)	

‹4-DOOR MODELS›

Model code		Body style	Engine model	Transmission model	Fuel supply system
V46W	NDFL6	Wagon	4M40 [2835 cm³, (173.0 cu.in.)] with turbocharger and intercooler	V5M31 (5M/T)	Injection
	NDFCL6				
	NHFL6/R6				
	RHFL6/R6			V4AW3 (4A/T)	
	NAFL6			V5M31 (5M/T)	
	NAFCL6				
	NBFL6				
	RBFL6			V4AW3 (4A/T)	
V46WG	NXFL6/R6	Wagon with wide fender		V5M31 (5M/T)	
	RXFL6/R6			V4AW3 (4A/T)	
	NCFL6			V5M31 (5M/T)	
	RCFL6			V4AW3 (4A/T)	
V43W	GNXEL6/R6		6G72 [2972 cm³, (181.3 cu.in.)]	V5MT1 (5M/T)	MPI
	GRXEL6/R6			V4AW2 (4A/T)	
V45W	GNXML6/R6		6G74 [3497 cm³, (213.3 cu.in.)]	V5M31 (5M/T)	
	GRXML6/R6			V4AW3 (4A/T)	

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COMPOSITION AND CONTENTS OF WIRING DIAGRAMS

(1) This manual consists of wiring harness diagrams, installation locations of individual parts, circuit diagrams and index.
(2) In each of the sections, all specifications are listed, including optional specifications. Accordingly, some specifications may not be applicable for individual vehicles.

Section	Basic contents
Wiring harness configuration diagrams	Connector locations and harness wiring configurations on actual vehicles are illustrated.
Single part installation position	Locations are shown for earth points of relays, control units, sensors, diodes, check terminals, spare terminals, fusible links, fuses, etc. In the parts lists, parts are listed in alphabetical order.
Circuit diagrams	Circuits from power supply to earth are shown completely, classified according to system. There is a main division into power circuits, and circuits classified by system. The circuits classified by system also include operation and troubleshooting hints. • Junction block Here is the circuit for the entire junction block since only the part of the junction block needed is normally show in each circuit diagram. • Power supply circuits Circuits from the battery to fusible link, dedicated fuses, ignition switch, general purpose fuses, etc. • Circuits classified by system For each system, the circuits are shown from fuse to earth, excluding the power supply sections. • Operation The normal operation of each system is briefly described, following the route of current flow. • Troubleshooting hints This is a brief explanation of the inspection points that serve as hints when troubleshooting. Explanations of the circuits controlled by the electronic control unit are omitted. Refer to the related publications as required.
Index	All components used are listed by connector number and component name.

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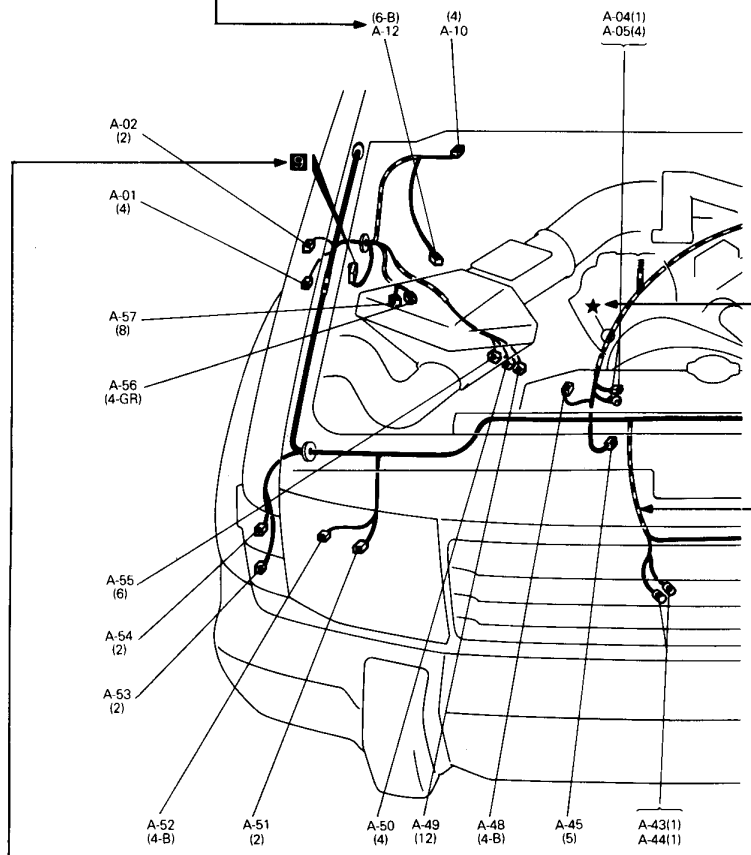
HOW TO READ CONFIGURATION DIAGRAMS

The wiring harness diagrams clearly show the connector locations and harness routings at each site in actual vehicles.

Denotes connector No.
The same connector No. is used throughout the circuit diagrams to facilitate connector location searches.
The first alphabetical symbol indicates the location site of the connector and a number that follows is the unique number. Numbers are assigned to parts in clockwise order on the diagram.
Furthermore, to make searching easier, number of connector pins and connector colours (except in the case of milky white) are listed.

Example: (6-B) A-12
- (6-B): Number of connector pins and connector colour (Connectors with no colour listed are milky white.)
- A-12: Number specific to connector (serial number); Connector location site symbol
  - A: Engine compartment
  - B: Transmission
  - C: Dash panel
  - D: Instrument panel and floor console
  - E: Floor, roof
  - F: Door
  - G: Back door and rear under floor

The mark ★ shows the standard mounting position of wiring harness.



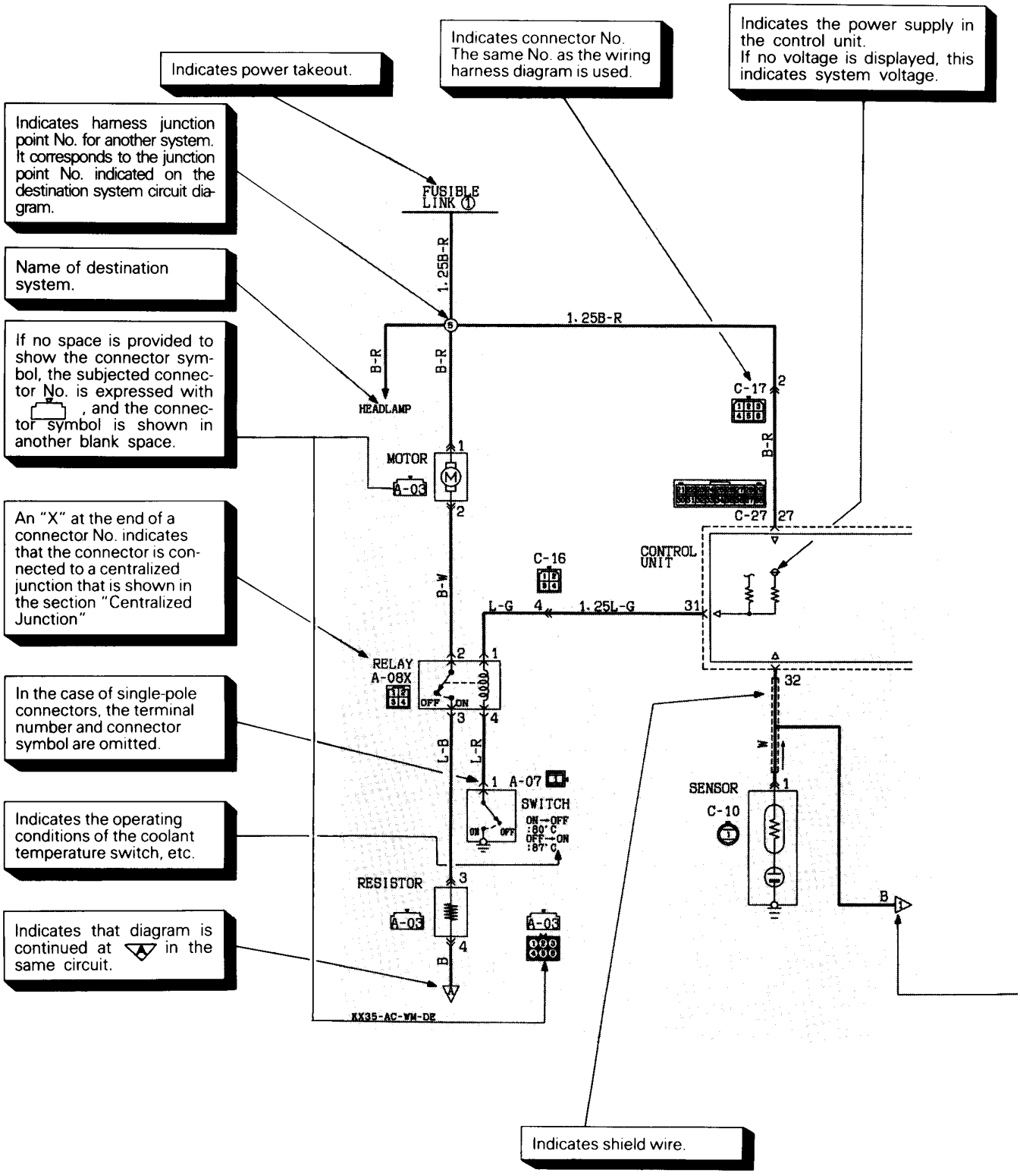
Denotes earth point.
Same earth number is used throughout circuit diagrams to facilitate search of earth point. Refer to GROUP 3A SINGLE PART INSTALLATION POSITION-EARTH MOUNTING LOCATIONS for details of earth points.

Denotes a section covered by a corrugated tube.

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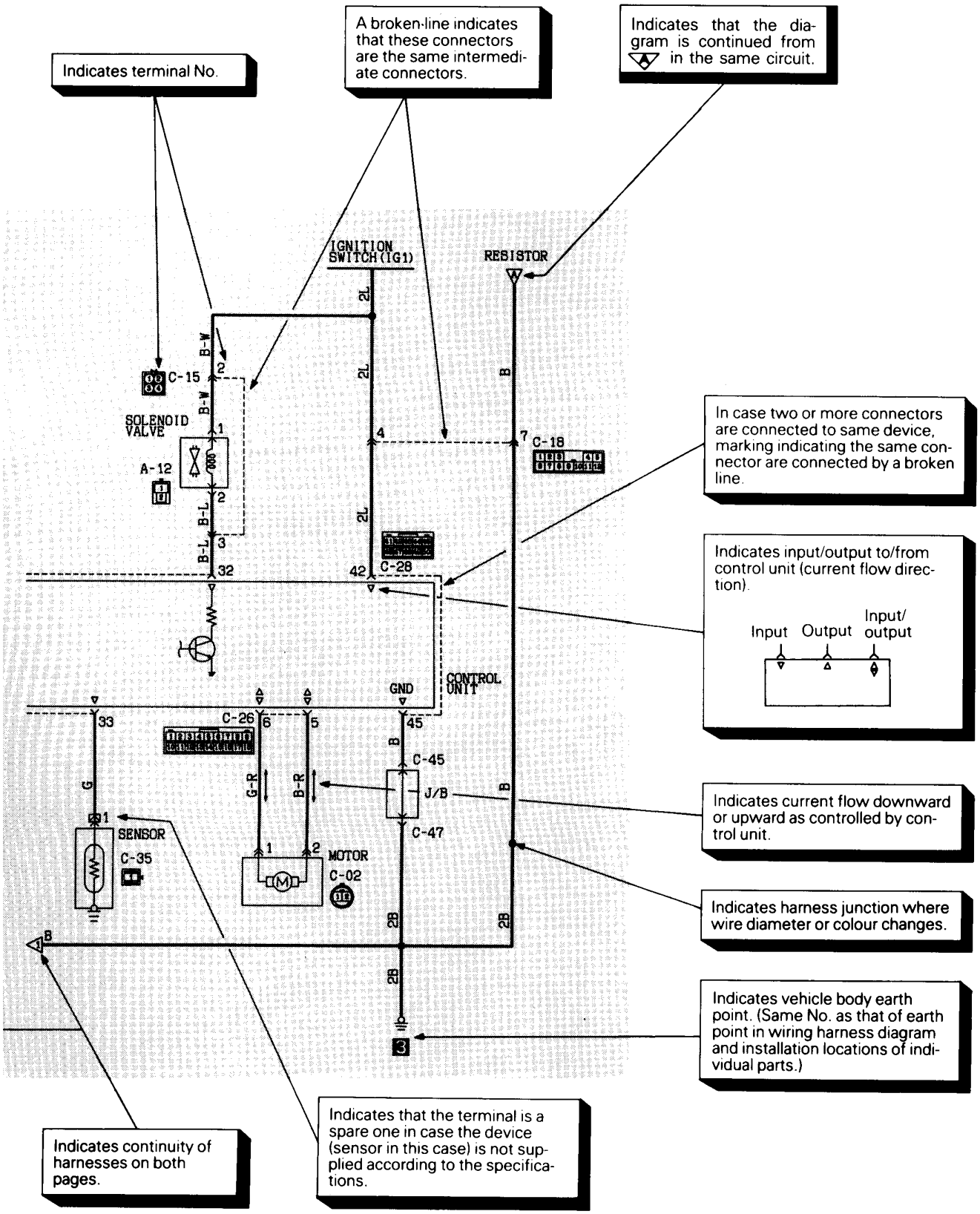
HOW TO READ CIRCUIT DIAGRAMS

The circuit of each system from fuse (or fusible link) to earth is shown. The power supply is shown at the top and the earth at the bottom to facilitate understanding of the current flow.



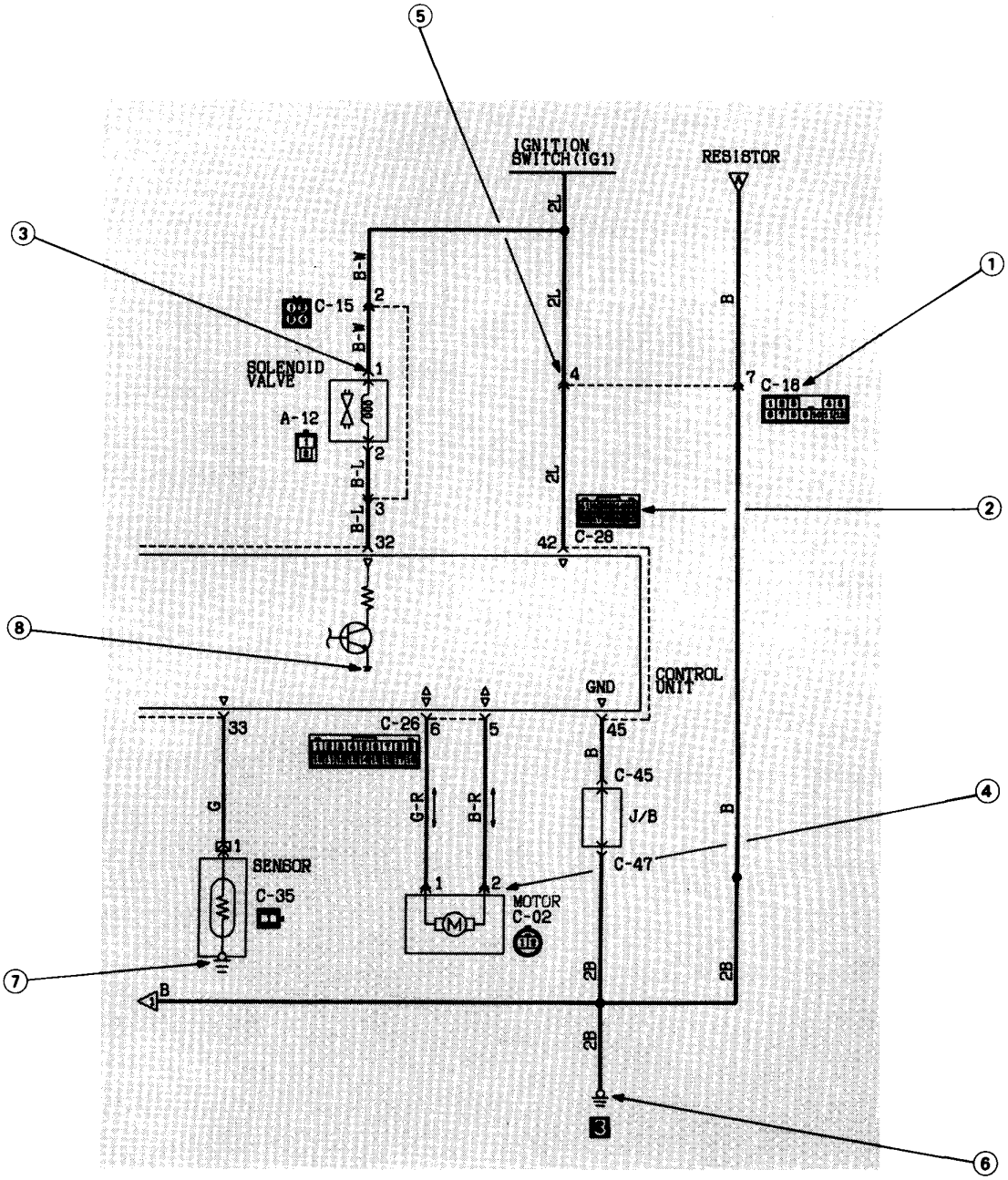
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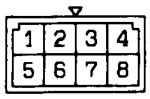
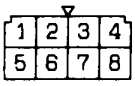
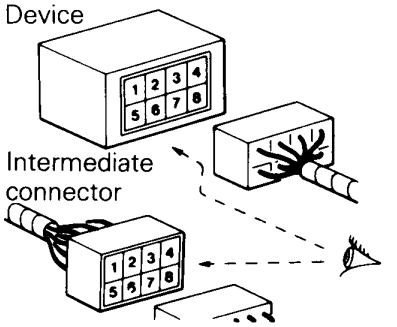
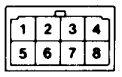
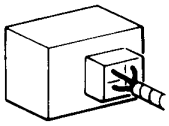
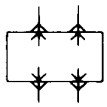
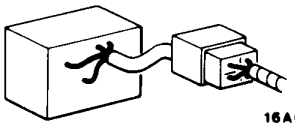
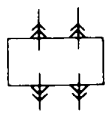
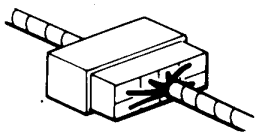
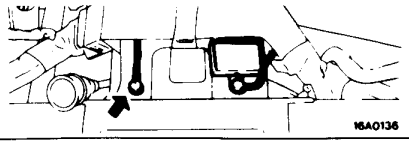
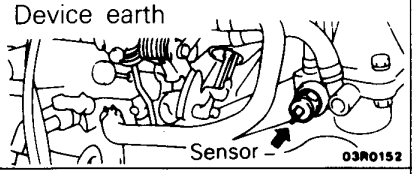
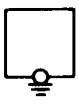
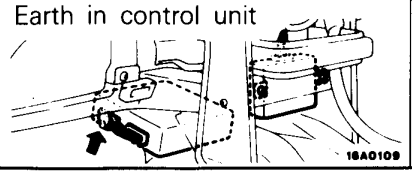


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MARKINGS FOR CONNECTOR EARTHING



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	No	Item	Symbol	Contents
Connector marking	①	Male 		Double connector contour lines indicate male connector terminals and single contour line indicates female terminals as illustrated here.
	—	Female 		
Connector symbol marking	②	Device 		The symbol indicates the connector as viewed from illustrated direction. At the connection with a device, the connector symbol on the device side is shown, and for an intermediate connector, male connector symbol is shown. For the data link connector, its contents differ from the previous description. Refer to "MUT-II operation instruction" in detail.
Connector connection marking	③	Direct connection type 		A connection between a device and connector on the harness side is either by direct insertion in the device (direct connection type) or by connection with a harness connector on the device side furnished. (harness connection type). The two types are indicated as illustrated.
	④	Harness connection type 		
	⑤	Intermediate connector 		
Earth markings	⑥	Body earth 		Earth is either by body earth, device earth or control unit interior earth. These are indicated as illustrated.
	⑦	Device earth 		
	⑧	Earth in control unit 		

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SYMBOLIC MARKS

Devices appearing in circuit diagrams are indicated by the following symbols.

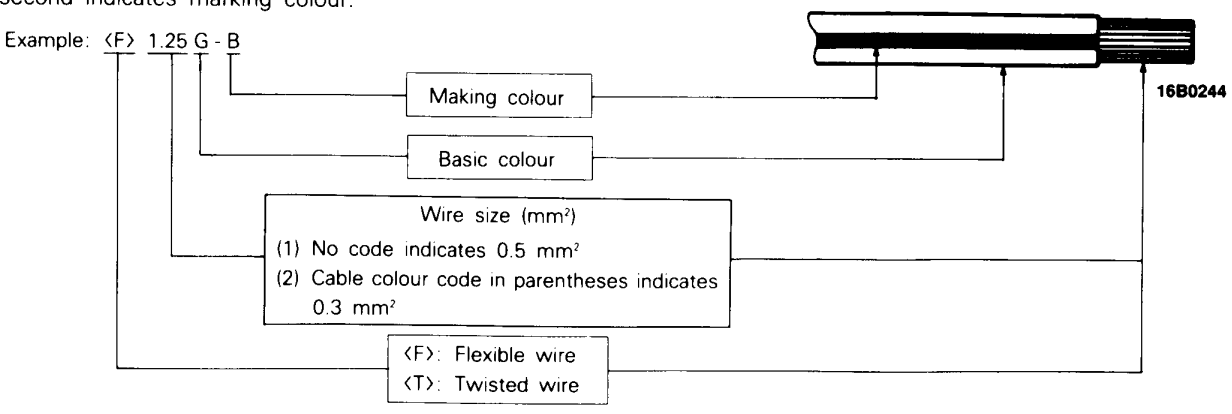
Battery	Body earth	Single bulb	Resistor	Diode	Capacitor
Fuse	Equipment earth	Dual bulb	Variable resistor	Zener diode	Crossing of wires without connection
Fusible link	ECU interior earth	Speaker	Coil	Transistor	Crossing of wires with connection
Connector (Female side / Male side)	Motor	Horn	Pulse generator	Buzzer	Chime
Thyristor	Piezoelectric device	Thermistor	Light emitting diode	Photo diode	Photo transistor

WIRE COLOUR CODES

Wire colours are identified by the following colour codes.

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

NOTE
If a cable has two colours, the first of the two colour code characters indicates the basic colour (colour of the cable coating) and the second indicates marking colour.



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CONNECTOR COLOUR CODES

Connector colours are identified by the following colour codes.

Code	Connector colour	Code	Connector colour
B	Black	L	Blue
BR	Brown	R	Red
G	Green	Y	Yellow
GR	Gray		

ABBREVIATION SYMBOLS

The abbreviation symbols used in wiring diagrams are defined below.

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
4D56	4D56 engine	GND	Earth
4G64	4G64 engine	ILL	Illumination lamp
4M40	4M40 engine	IND	Indication lamp
6G72	6G72 engine	J/B	Junction block
6G74	6G74 engine	J/C	Joint connector
ABS	Anti-lock brake system	LHD	L.H. drive vehicles
A/C	Air conditioner	MPI	Multi-point injection
A/T	Automatic transmission	M/T	Manual transmission
DIESEL	Diesel-powerd vehicles	PETROL	Petrol-powerd vehicles
DRL	Daytime running lamp	RHD	R.H. drive vehicles
EGR	Exhaust gas recirculation	SRS	Supplemental restraint system
ELC-4A/T	Electronic control 4-speed automatic transmission		

Abbreviation symbols used for combination meters

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
2WD	2WD indicator lamp	H	Hard mode indicator lamp <Remote controlled variable shock absorber>
4WD	4WD indicator lamp		
ABS	Anti-lock brake system warning lamp		
A/T TEMP	Automatic transmission fluid temperature warning lamp	HAZARD	Hazard warning indicator lamp
BEAM	Upper beam indicator lamp	HOLD	Hold mode indicator lamp <ELC-4A/T>
BRAKE	Brake warning lamp	M	Medium mode indicator lamp <Remote controlled variable shock absorber>
C/D LOCK	Center differential lock indicator lamp		
CHECK ENGINE	Check engine warning lamp		
CHG	Charging warning lamp	O/GA	Oil pressure gauge
CRUISE	Auto-cruise control indicator lamp	OIL	Oil pressure warning lamp
DOOR	Door-ajar warning lamp	OIL LEVEL	Low engine oil warning lamp
F/GA	Fuel gauge	POWER	Power mode indicator lamp <ELC-4A/T>
FILTER	Fuel filter warning lamp		
FUEL	Low fuel warning lamp	R/D LOCK	Rear differential lock indicator lamp
GLOW	Diesel preheat indicator lamp	REED	Reed switch

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Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
S	Soft mode indicator lamp <Remote controlled variable shock absorber>	TACHO	Tachometer
		T/GA	Engine coolant temperature gauge
		TURN (LH)	Turn signal indicator lamp (L.H.)
SPEED	Speedometer	TURN (RH)	Turn signal indicator lamp (R.H.)
		WASHER	Low washer fluid warning lamp

Abbreviation symbols used for switches and relays

Name of switches and relays	Abbreviation symbol	Operation	Name of switches and relays	Abbreviation symbol	Operation
Ignition switch	ACC	When turned to the ACC (ACCESSORY) or ON position, the power circuit starts functions	Rear heater control switch or Rear A/C control switch	LO	Rear blower operates at low speed
	IG1	Even when at the ST (START) position, the power circuit start functioning		M	Rear blower operates at medium speed
	IG2	When at the ST (START) position, the power circuit dose not start functioning		HI	Rear blower operates at high speed
Dimmer passing switch	LO	Low beams ON	Air conditioner switch	ECONO	1st position (economical operation)
	HI	High beams ON		A/C	2nd position (full load operation)
Lighting switch	TAIL	Position, tail, license-plate and instrument panel lamps ON	Windshield wiper switch	LO	Wipers operate at low speed
	HEAD	Headlamps ON		HI	Wipers operate at high speed
Room lamp switch	DOOR	Room lamp ON when a door is open		INT	Wipers operate intermittently
Turn signal switch	LH	L.H. turn signal lamps ON	Rear wiper switch	LO	Wipers operate at low speed
	RH	R.H. turn signal lamps ON		INT	Wiper operate intermittently
Power window switch	UP	Window closed	Remote control mirror switch	LH	L.H. mirror operates
	DOWN	Window opened		RH	R.H. mirror operates
Door lock actuator	LOCK	Door locked	Sunroof switch	OPEN	Sunroof slides open
	UNLOCK	Door unlocked		CLOSE	Sunroof slides to close
Door key cylinder switch	LOCK	Door locked	Variable shock absorber control switch	S	Sets the shock absorbers to SOFT mode
	UNLOCK	Door unlocked		M	Sets the shock absorbers to MEDIUM mode
Blower switch	LO	Blower operates at low speed		H	Sets the shock absorbers to HARD mode
	ML	Blower operates at medium speed	Rear differential lock switch	LOCK	Rear differential locked
	MH	Blower operates at medium high speed		UNLOCK	Rear differential unlocked
	HI	Blower operates at high speed	Heated seat switch	LO	Normal heating
				HI	Rapid heating
			Others	ON	Switched on
				OFF	Switched off

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2A WIRING HARNESS CONFIGURATION DIAGRAMS

OVERALL WIRING DIAGRAM
2-door models <L.H. drive vehicles> 2A-2
2-door models <R.H. drive vehicles> 2A-2
4-door models <L.H. drive vehicles> 2A-3
4-door models <R.H. drive vehicles> 2A-3

ENGINE COMPARTMENT [A]
Vehicles with 4G64 engine 2A-4
L.H. drive vehicles with 6G72 engine 2A-8
R.H. drive vehicles with 6G72 engine 2A-12
L.H. drive vehicles with 6G74 engine 2A-16
R.H. drive vehicles with 6G74 engine 2A-20
L.H. drive vehicles with 4D56 engine 2A-24
R.H. drive vehicles with 4D56 engine 2A-28
L.H. drive vehicles with 4M40 engine 2A-32
R.H. drive vehicles with 4M40 engine 2A-36

TRANSMISSION [B]
Part time 4WD 2A-40
Super select 4WD 2A-41

DASH PANEL [C]
L.H. drive vehicles 2A-42
R.H. drive vehicles 2A-44

INSTRUMENT PANEL AND FLOOR CONSOLE [D]
L.H. drive vehicles <M/T> 2A-46
R.H. drive vehicles <M/T> 2A-47
L.H. drive vehicles <A/T> 2A-48
R.H. drive vehicles <A/T> 2A-49

FLOOR AND ROOF [E]
2-door models <L.H. drive vehicles> 2A-50
2-door models <R.H. drive vehicles> 2A-51
4-door models <L.H. drive vehicles> 2A-52
4-door models <R.H. drive vehicles> 2A-53

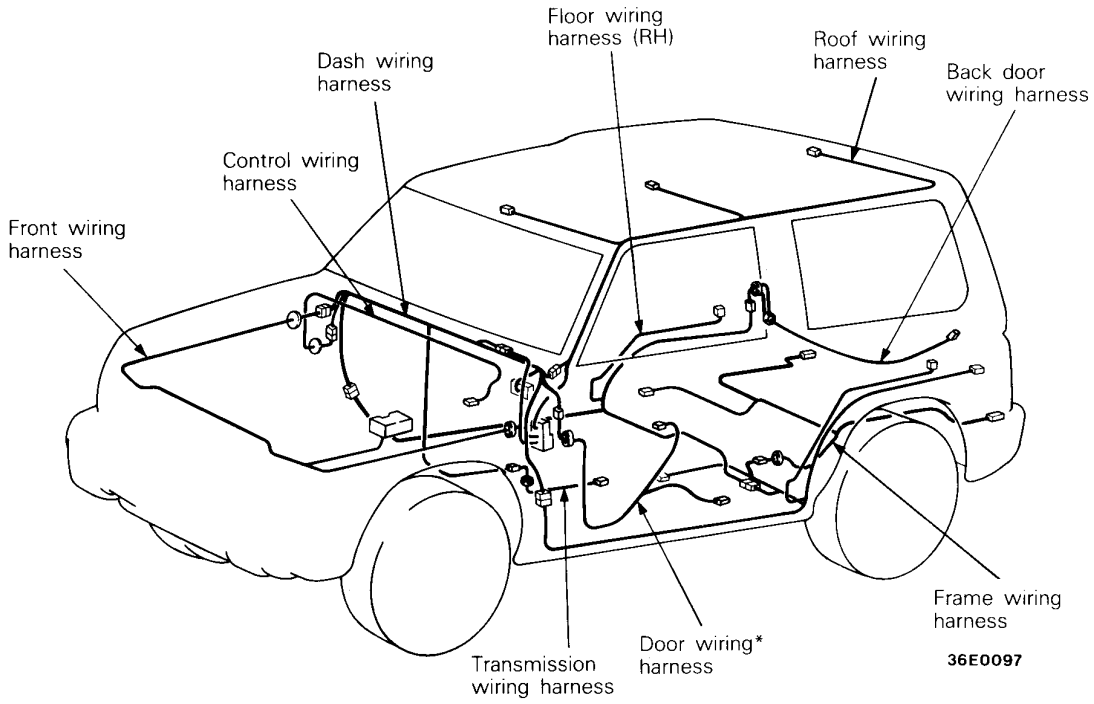
DOOR [F]
2-door models <L.H. drive vehicles> 2A-54
2-door models <R.H. drive vehicles> 2A-55
4-door models <L.H. drive vehicles> 2A-56
4-door models <R.H. drive vehicles> 2A-57

BACK DOOR AND REAR UNDER FLOOR [G] 2A-58

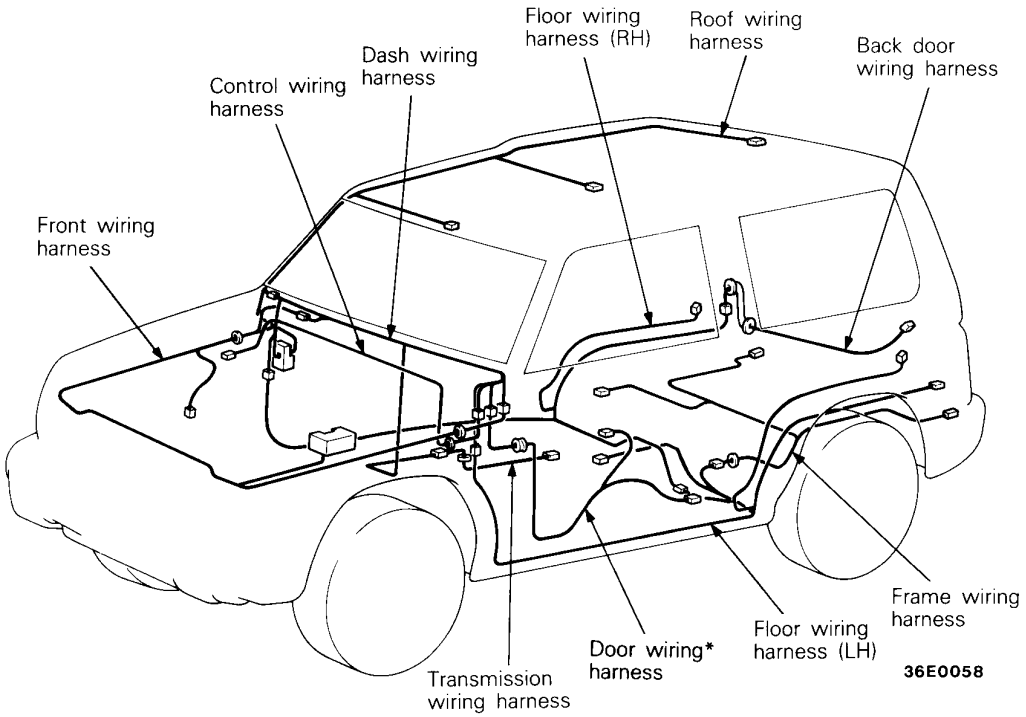
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OVERALL WIRING DIAGRAM

2-door models <L.H. drive vehicles>



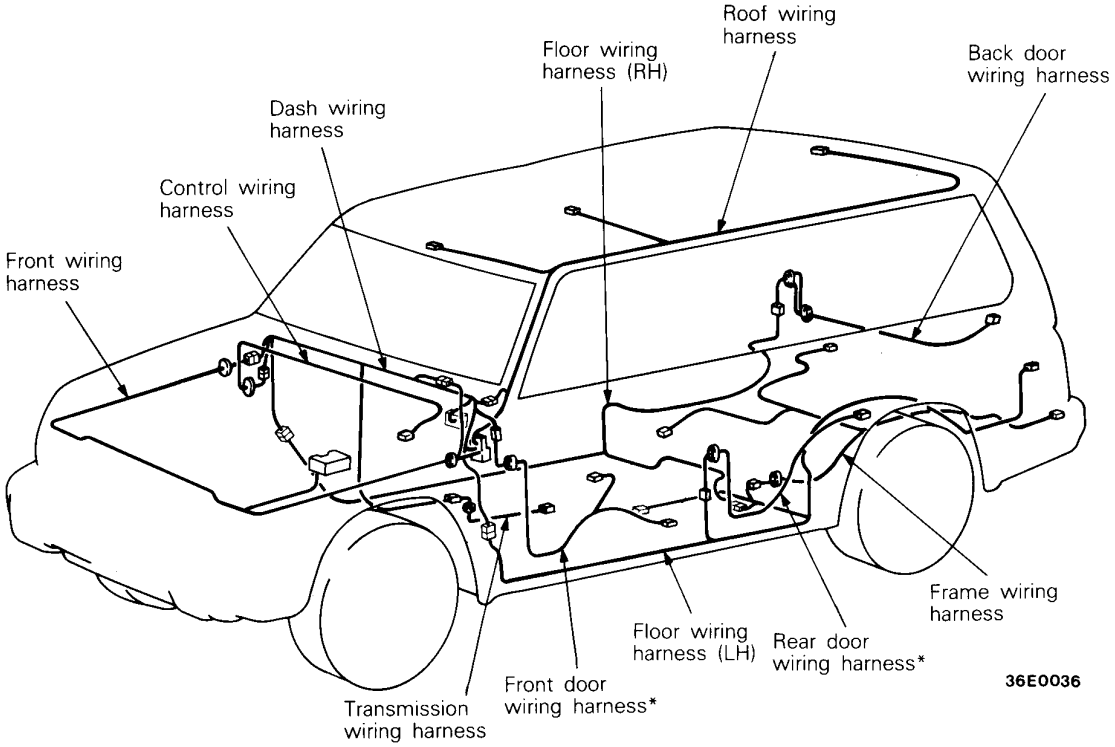
2-door models <R.H. drive vehicles>



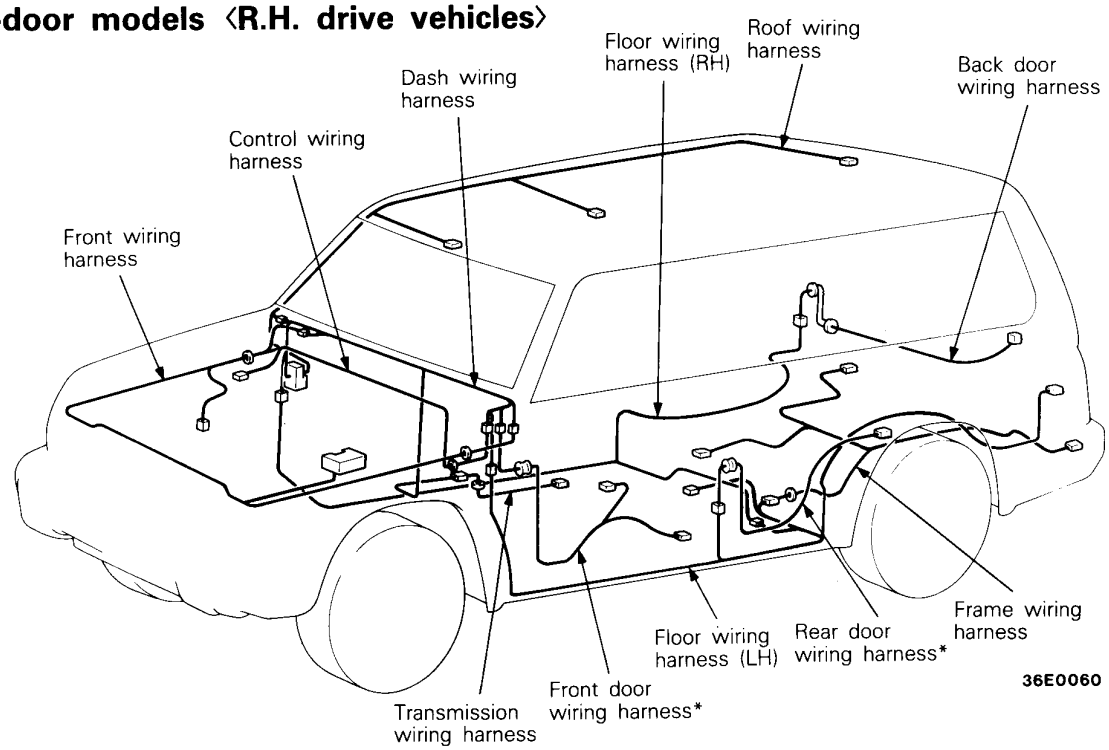
NOTE
(1) This illustration shows only the major wiring harness.
(2) *indicates also equipped at the right side.

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4-door models 〈L.H. drive vehicles〉



4-door models 〈R.H. drive vehicles〉



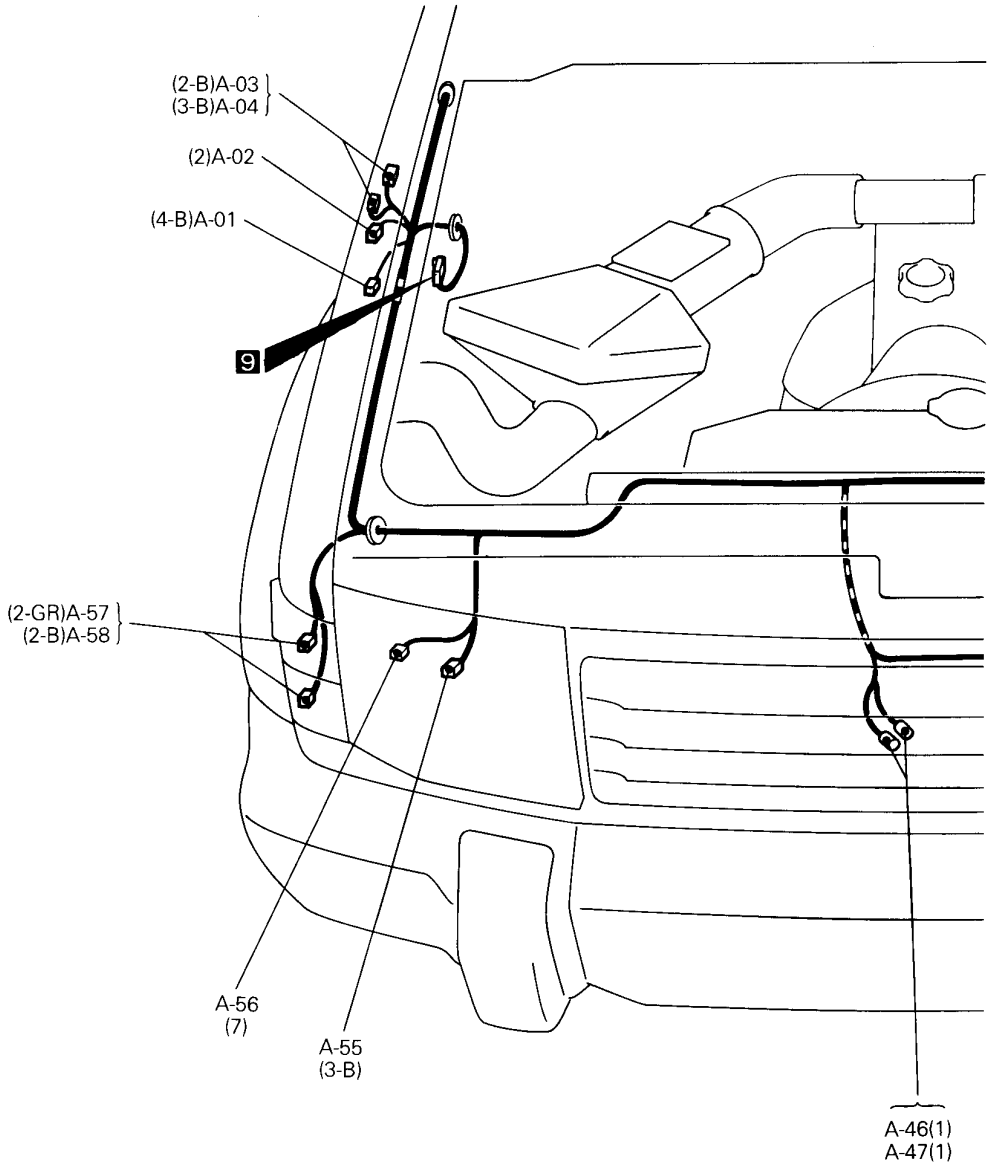
NOTE
(1) This illustration shows only the major wiring harness.
(2) *indicates also equipped at the right side.

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ENGINE COMPARTMENT

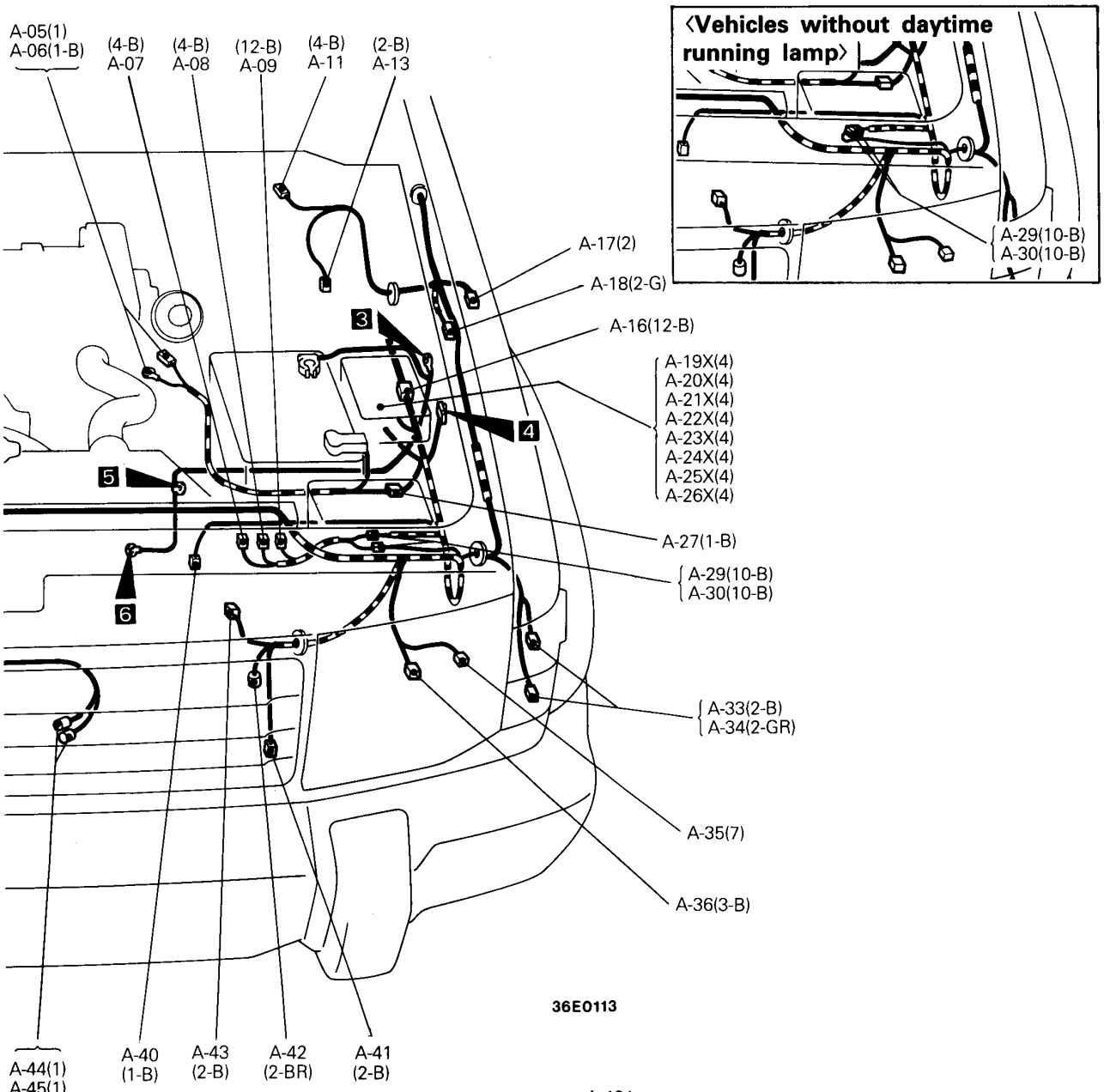
Vehicles with 4G64 engine

Connector symbol
A -01 thru -61



A-01	Headlamp washer motor and headlamp washer fluid level sensor
A-02	Side turn signal lamp (RH)
A-03, A-04	Motor antenna
A-05, A-06	Starter
A-07	Daytime running lamp relay 2
A-08	Daytime running lamp relay 1
A-09	Daytime running lamp control unit
A-10	—
A-11	Windshield wiper motor
A-12	—
A-13	Brake fluid level switch
A-14	—
A-15	—
A-16	Control wiring harness and front wiring harness combination
A-17	Side turn signal lamp (LH)
A-18	Windshield washer motor
A-19X thru A-26X	Refer to centralized junction
A-27	Battery cable and front wiring harness combination
A-28	—
A-29, A-30	Daytime running lamp harness and front wiring harness combination or front wiring harness joint connector

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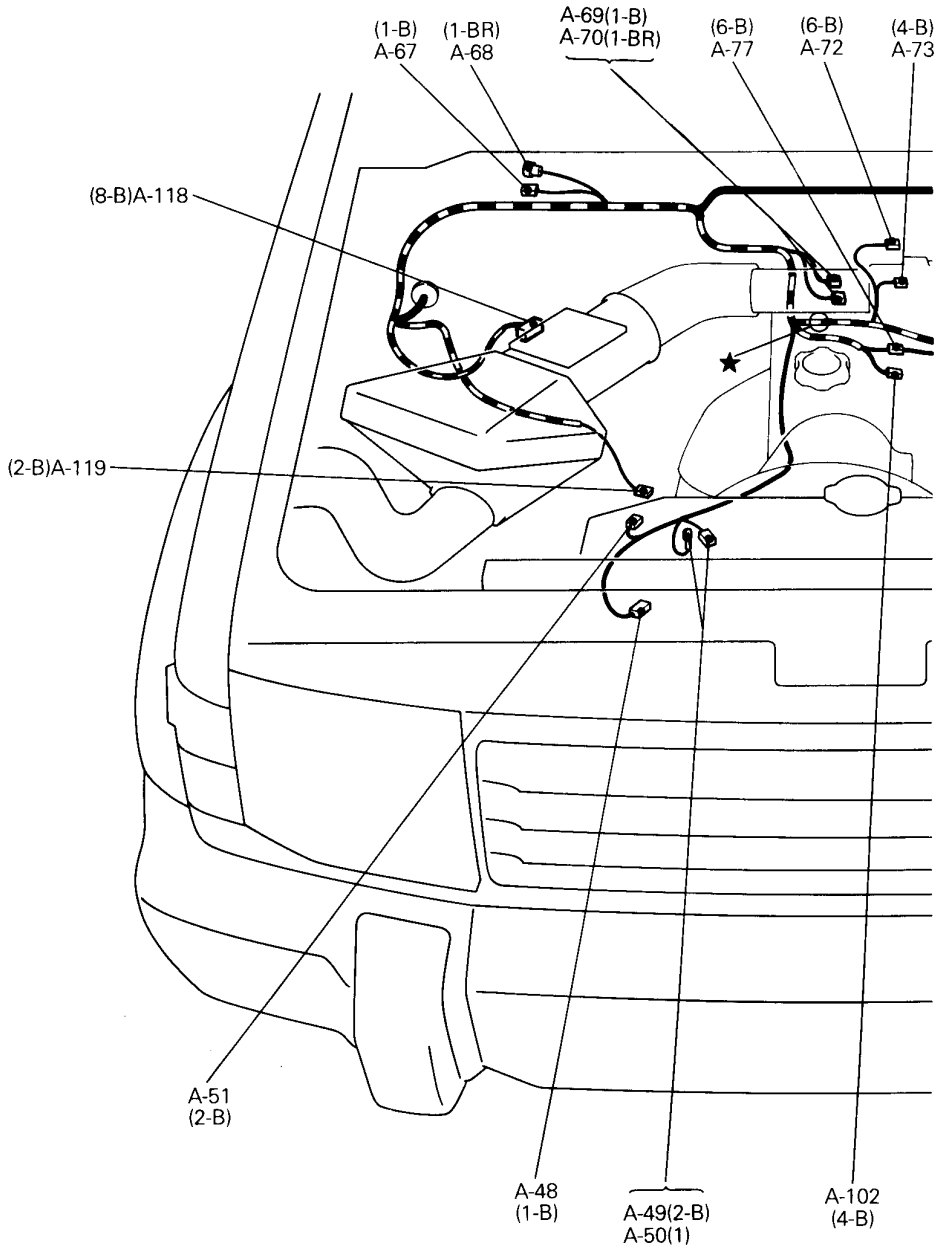
36E0113

A-31	—
A-32	—
A-33, A-34	Front combination lamp (LH)
A-35	Headlamp leveling unit (LH)
A-36	Headlamp (LH)
A-37	—
A-38	—
A-39	—
A-40	Magnetic clutch 〈A/C〉
A-41	Thermo sensor (outside air) 〈Multi-meter〉
A-42	Dual pressure switch
A-43	Condenser fan motor
A-44, A-45	Horn (LO)
A-46, A-47	Horn (HI)
A-48	Oil pressure switch
A-49, A-50	Alternator
A-51	Engine oil level sensor
A-52	—
A-53	—
A-54	—
A-55	Headlamp (RH)
A-56	Headlamp leveling unit (RH)
A-57, A-58	Front combination lamp (RH)
A-59	—
A-60	—
A-61	—

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Vehicles with 4G64 engine

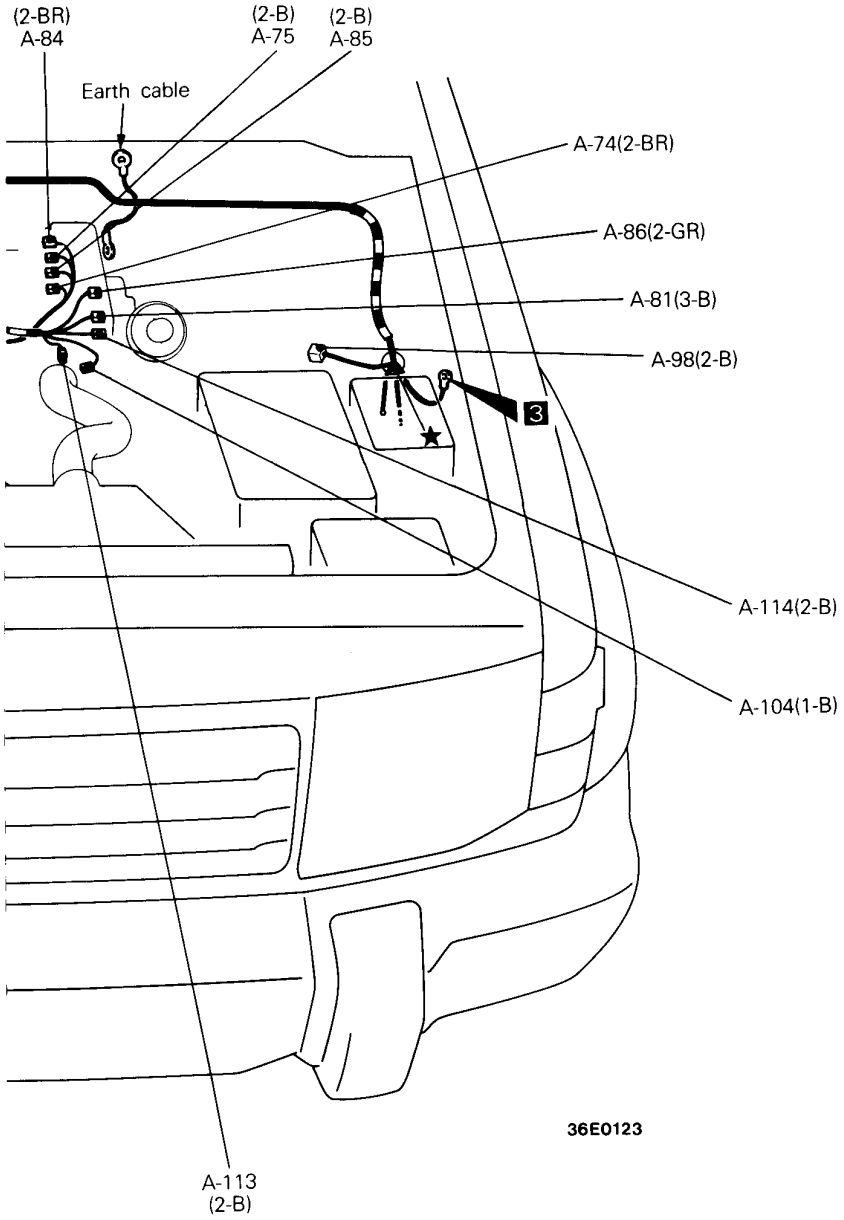
Connector symbol
A -62 thru -119



A-62 thru A-66	—
A-67	Fuel pump check connector
A-68	Ignition timing adjustment connector
A-69, A-70	Noise filter
A-71	—
A-72	Idle speed control servo
A-73	Throttle position sensor
A-74	Injector No.1
A-75	Injector No.3
A-76	—
A-77	Injector wiring harness and control wiring harness combination
A-78	—
A-79	—
A-80	—
A-81	Power transistor
A-82	—
A-83	—
A-84	Injector No.4
A-85	Injector No.2

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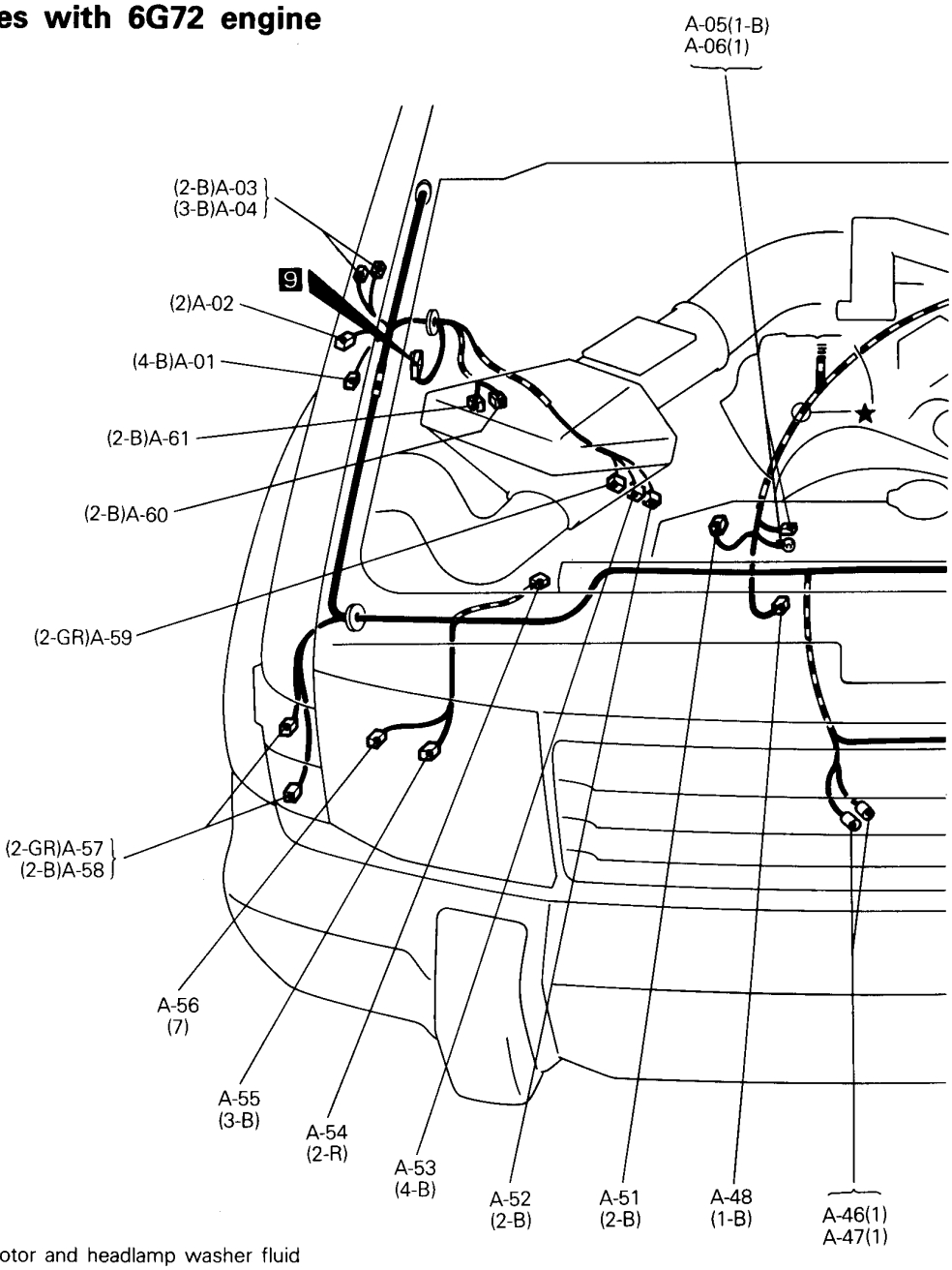


A-86	Ignition coil
A-87 thru A-97	—
A-98	Purge control solenoid valve
A-99	—
A-100	—
A-101	—
A-102	Distributor signal generator
A-103	—
A-104	Engine coolant temperature gauge unit
A-105 thru A-112	—
A-113	Engine coolant temperature sensor
A-114	Engine coolant temperature switch (for A/C compressor control)
A-115	—
A-116	—
A-117	—
A-118	Air flow sensor
A-119	Oxygen sensor

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L.H. drive vehicles with 6G72 engine

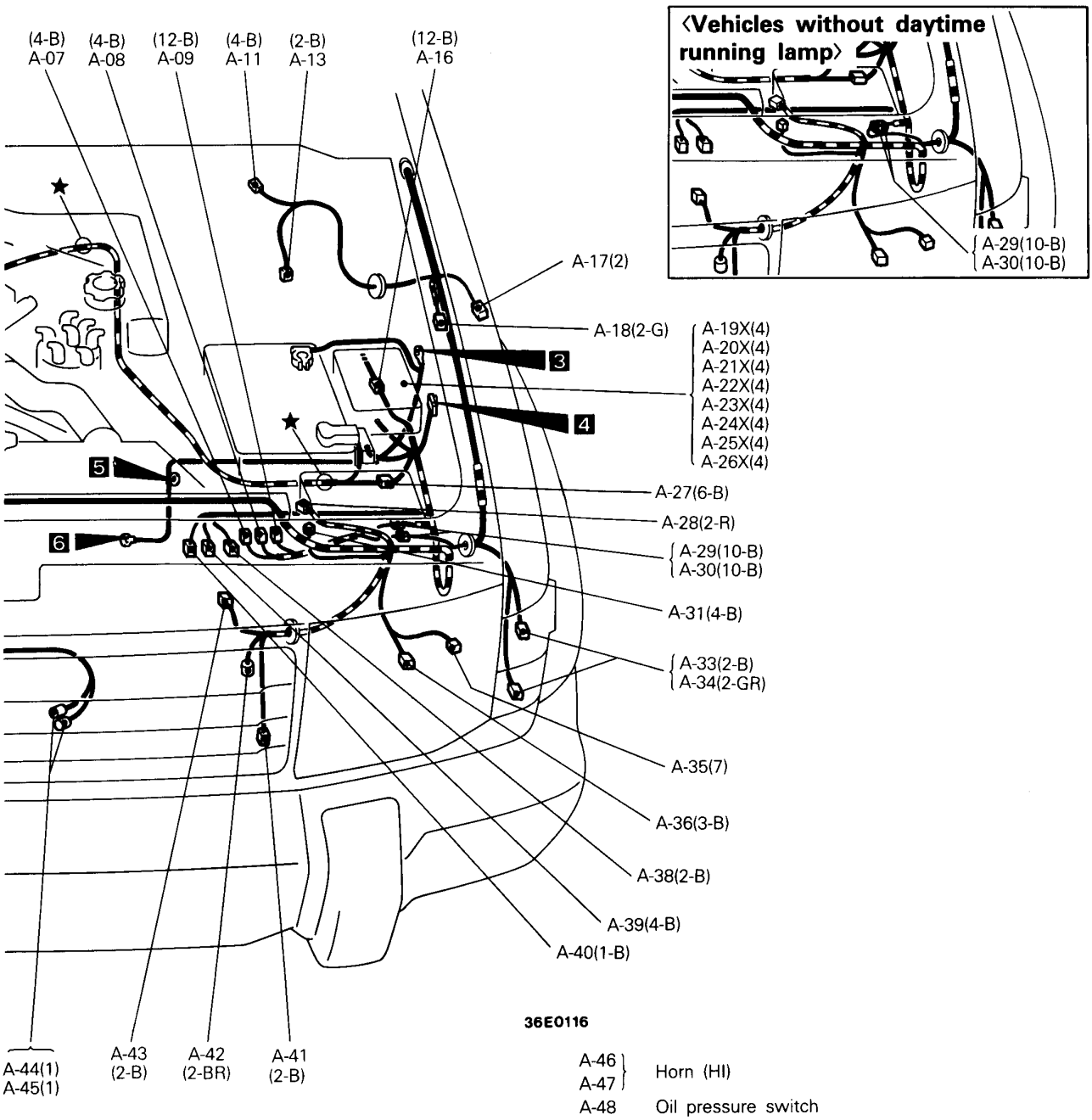
Connector symbol
A -01 thru -61



A-01	Headlamp washer motor and headlamp washer fluid level sensor
A-02	Side turn signal lamp (RH)
A-03, A-04	Motor antenna
A-05, A-06	Starter
A-07	Daytime running lamp relay 2
A-08	Daytime running lamp relay 1
A-09	Daytime running lamp control unit
A-10	—
A-11	Windshield wiper motor
A-12	—
A-13	Brake fluid level switch
A-14	—
A-15	—
A-16	Control wiring harness and front wiring harness combination
A-17	Side turn signal lamp (LH)
A-18	Windshield washer motor
A-19X thru A-26X	Refer to centralized junction
A-27	Battery cable and front wiring harness combination
A-28	Front impact sensor (LH) <SRS>
A-29, A-30	Daytime running lamp harness and front wiring harness combination or front wiring harness joint connector
A-31	Horn relay <Vehicles with SRS>
A-32	—

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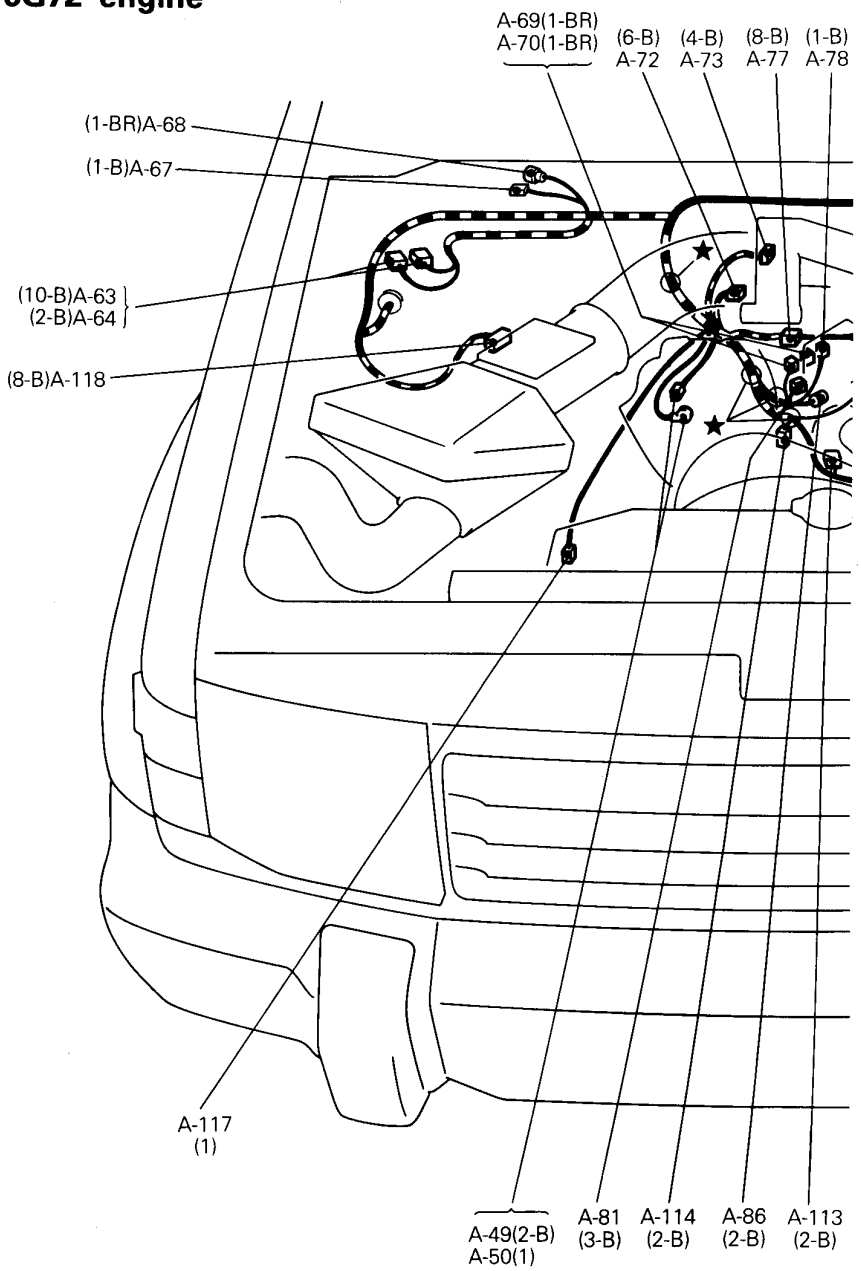
A-33, A-34	Front combination lamp (LH)
A-35	Headlamp leveling unit (LH)
A-36	Headlamp (LH)
A-37	—
A-38	Speed sensor (Front:LH) 〈ABS〉
A-39	Shock absorber (Front:LH) 〈Remote controlled variable shock absorber〉
A-40	Magnetic clutch 〈A/C〉
A-41	Thermo sensor (outside air) 〈Multi-meter〉
A-42	Dual pressure switch
A-43	Condenser fan motor
A-44, A-45	Horn (LO)
A-46, A-47	Horn (HI)
A-48	Oil pressure switch
A-49, A-50	Alternator
A-51	Engine oil level sensor
A-52	Speed sensor (Front:RH) 〈ABS〉
A-53	Shock absorber (Front:RH) 〈Remote controlled variable shock absorber〉
A-54	Front impact sensor (RH) 〈SRS〉
A-55	Headlamp (RH)
A-56	Headlamp leveling unit (RH)
A-57, A-58	Front combination lamp (RH)
A-59	Free wheel engage switch
A-60	Solenoid valve A 〈Super select 4WD〉
A-61	Solenoid valve B 〈Super select 4WD〉

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L.H. drive vehicles with 6G72 engine

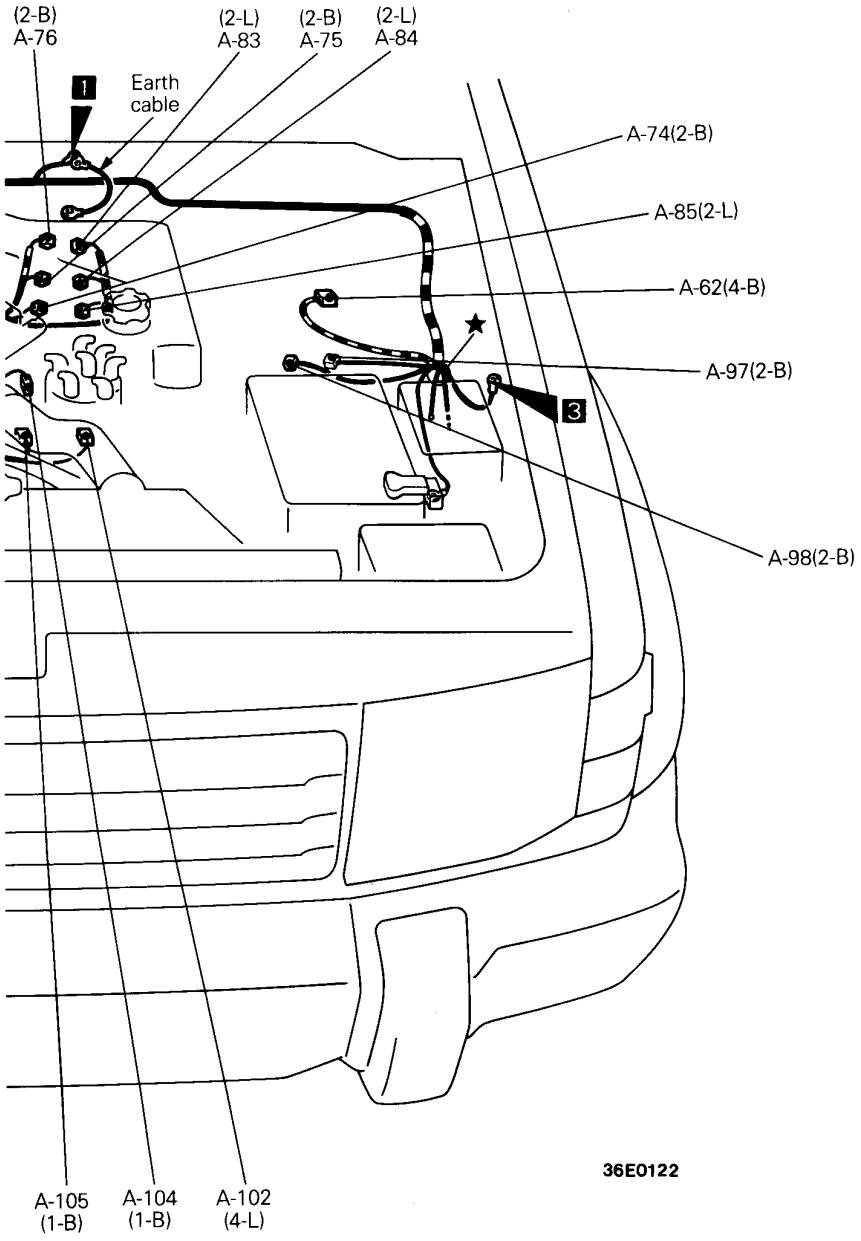
Connector symbol **A** -62 thru -118



A-62	Auto-cruise control actuator
A-63, A-64	Hydraulic unit
A-65	—
A-66	—
A-67	Fuel pump check connector
A-68	Ignition timing adjustment connector
A-69, A-70	Noise filter
A-71	—
A-72	Idle speed control servo
A-73	Throttle position sensor
A-74	Injector No.1
A-75	Injector No.3
A-76	Injector No.5
A-77	Injector wiring harness and control wiring harness combination
A-78	Capacitor
A-79	—
A-80	—
A-81	Power transistor
A-82	—
A-83	Injector No.6
A-84	Injector No.4
A-85	Injector No.2

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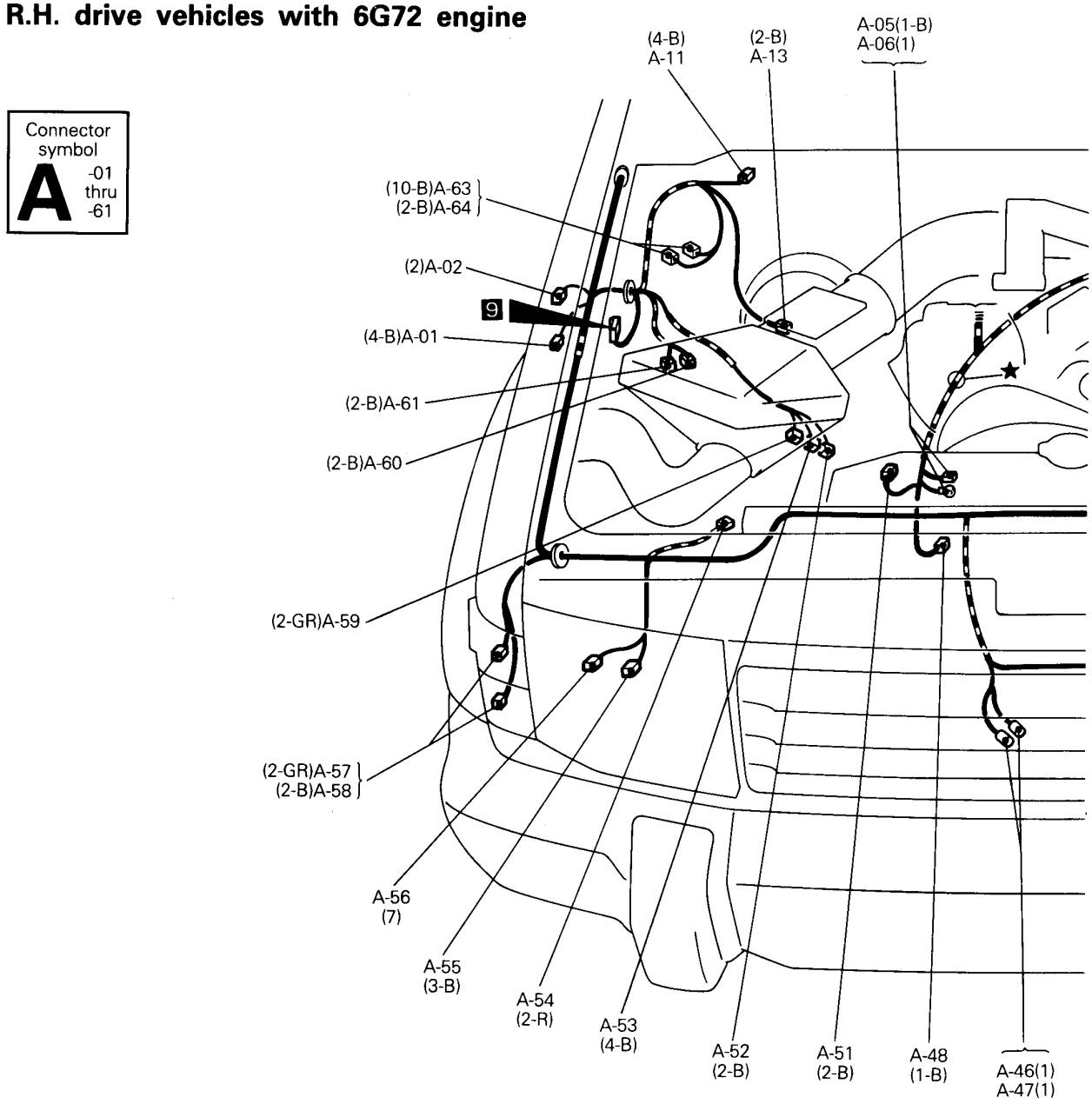
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A-86	Ignition coil
A-87 thru A-96	—
A-97	No connection
A-98	Purge control solenoid valve
A-99	—
A-100	—
A-101	—
A-102	Distributor signal generator
A-103	—
A-104	Engine coolant temperature gauge unit
A-105	Engine coolant temperature switch <A/T>
A-106 thru A-112	—
A-113	Engine coolant temperature sensor
A-114	Engine coolant temperature switch (for A/C compressor control)
A-115	—
A-116	—
A-117	Power steering oil pressure switch <A/T> or No connection
A-118	Air flow sensor

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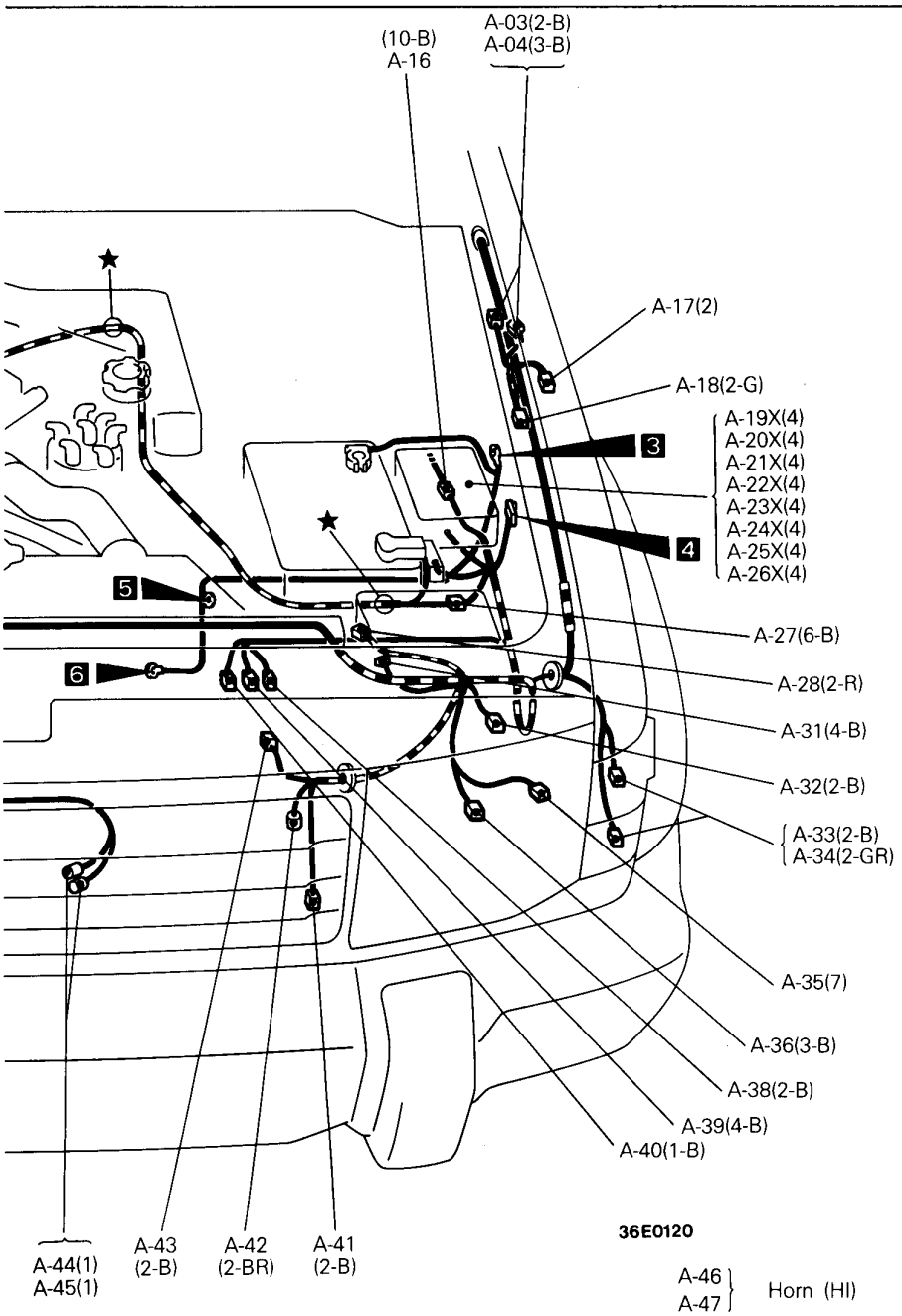
R.H. drive vehicles with 6G72 engine



A-01	Headlamp washer motor and headlamp washer fluid level sensor	A-15	—
A-02	Side turn signal lamp (RH)	A-16	Control wiring harness and front wiring harness combination
A-03, A-04	Motor antenna	A-17	Side turn signal lamp (LH)
A-05, A-06	Starter	A-18	Windshield washer motor
A-07 thru A-10	—	A-19X thru A-26X	Refer to centralized junction
A-11	Windshield wiper motor	A-27	Battery cable and front wiring harness combination
A-12	—	A-28	Front impact sensor (LH) <SRS>
A-13	Brake fluid level switch	A-29	—
A-14	—	A-30	—
		A-31	Horn relay <Vehicles with SRS>
		A-32	Resistor <for dim-dip lamp circuit>

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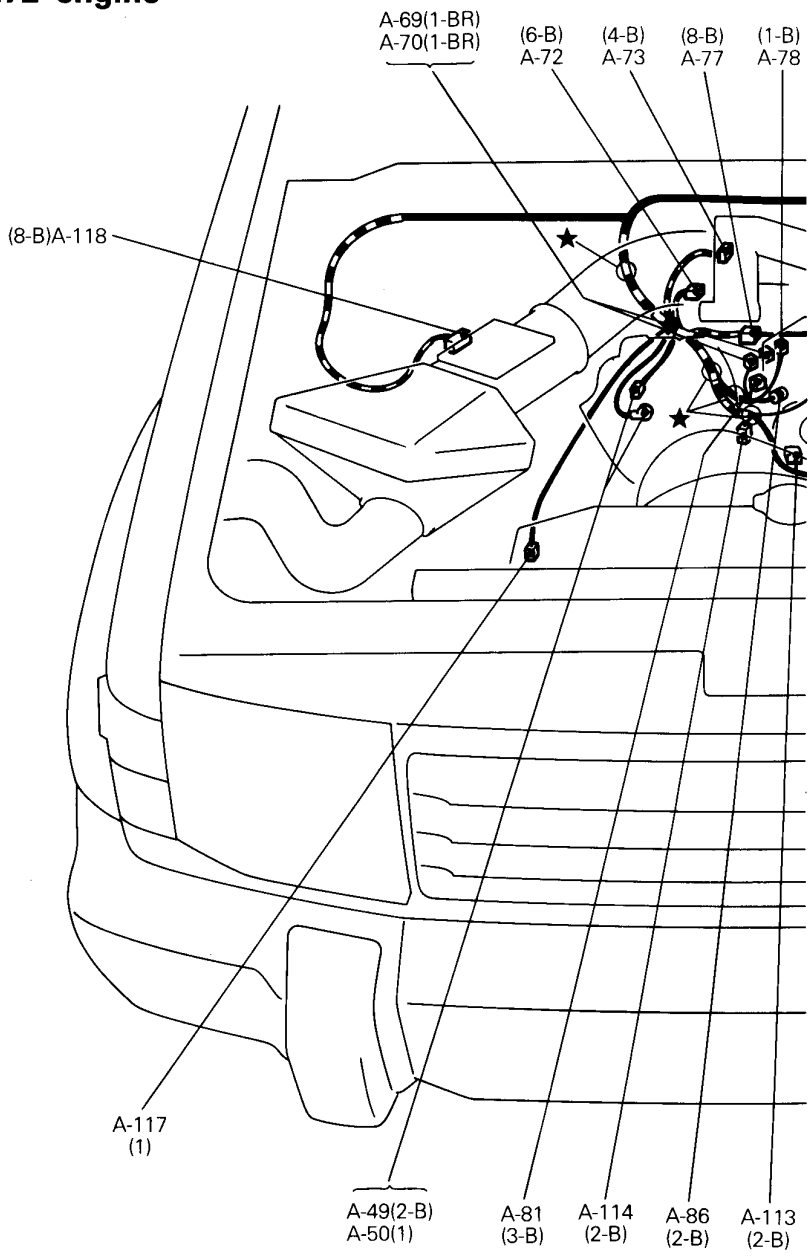
36E0120

A-33, A-34	Front combination lamp (LH)
A-35	Headlamp leveling unit (LH)
A-36	Headlamp (LH)
A-37	—
A-38	Speed sensor (Front:LH) <ABS>
A-39	Shock absorber (Front:LH) <Remote controlled variable shock absorber>
A-40	Magnetic clutch <A/C>
A-41	Thermo sensor (outside air) <Multi-meter>
A-42	Dual pressure switch
A-43	Condenser fan motor
A-44, A-45	Horn (LO)
A-46, A-47	Horn (HI)
A-48	Oil pressure switch
A-49, A-50	Alternator
A-51	Engine oil level sensor
A-52	Speed sensor (Front:RH) <ABS>
A-53	Shock absorber (Front:RH) <Remote controlled variable shock absorber>
A-54	Front impact sensor (RH) <SRS>
A-55	Headlamp (RH)
A-56	Headlamp leveling unit (RH)
A-57, A-58	Front combination lamp (RH)
A-59	Free wheel engage switch
A-60	Solenoid valve A <Super select 4WD>
A-61	Solenoid valve B <Super select 4WD>

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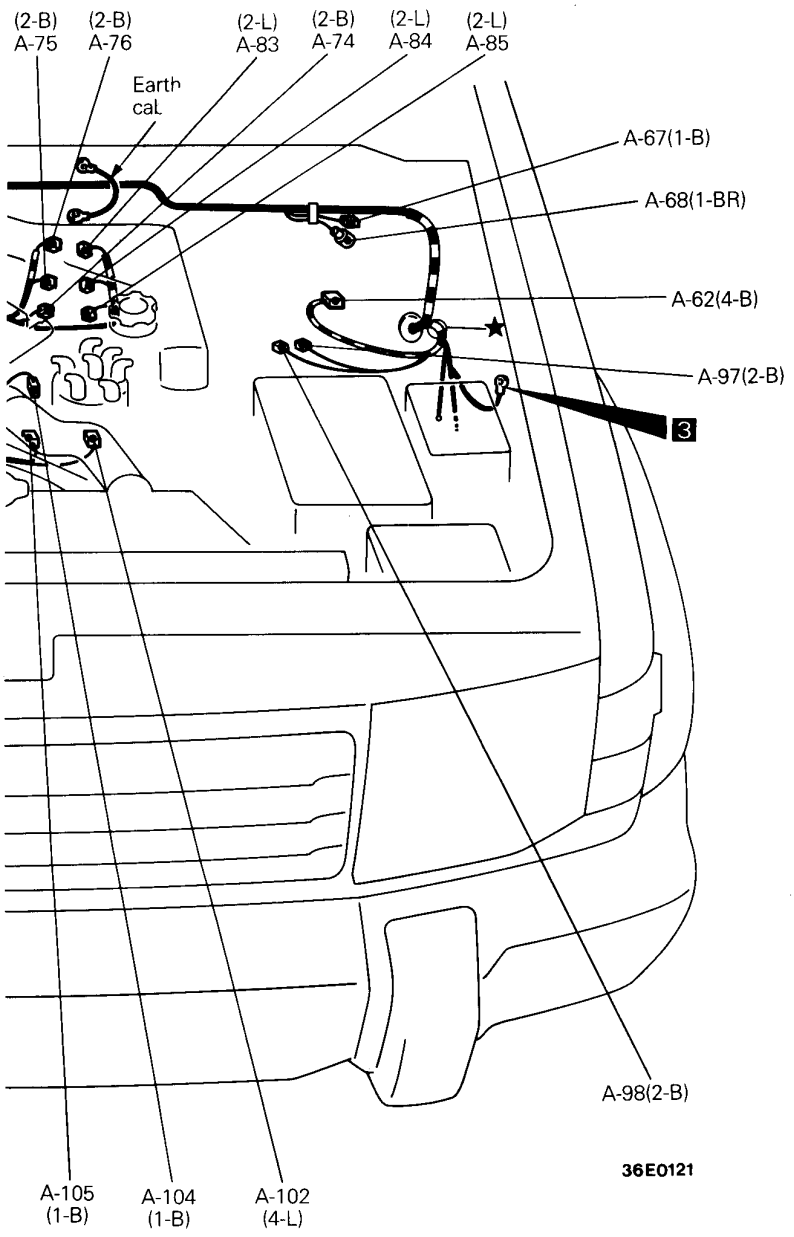
R.H. drive vehicles with 6G72 engine

Connector symbol
A -62 thru -118



A-62	Auto-cruise control actuator
A-63, A-64	Hydraulic unit
A-65	—
A-66	—
A-67	Fuel pump check connector
A-68	Ignition timing adjustment connector
A-69, A-70	Noise filter
A-71	—
A-72	Idle speed control servo
A-73	Throttle position sensor
A-74	Injector No.1
A-75	Injector No.3
A-76	Injector No.5
A-77	Injector wiring harness and control wiring harness combination
A-78	Capacitor
A-79	—
A-80	—
A-81	Power transistor
A-82	—
A-83	Injector No.6
A-84	Injector No.4
A-85	Injector No.2

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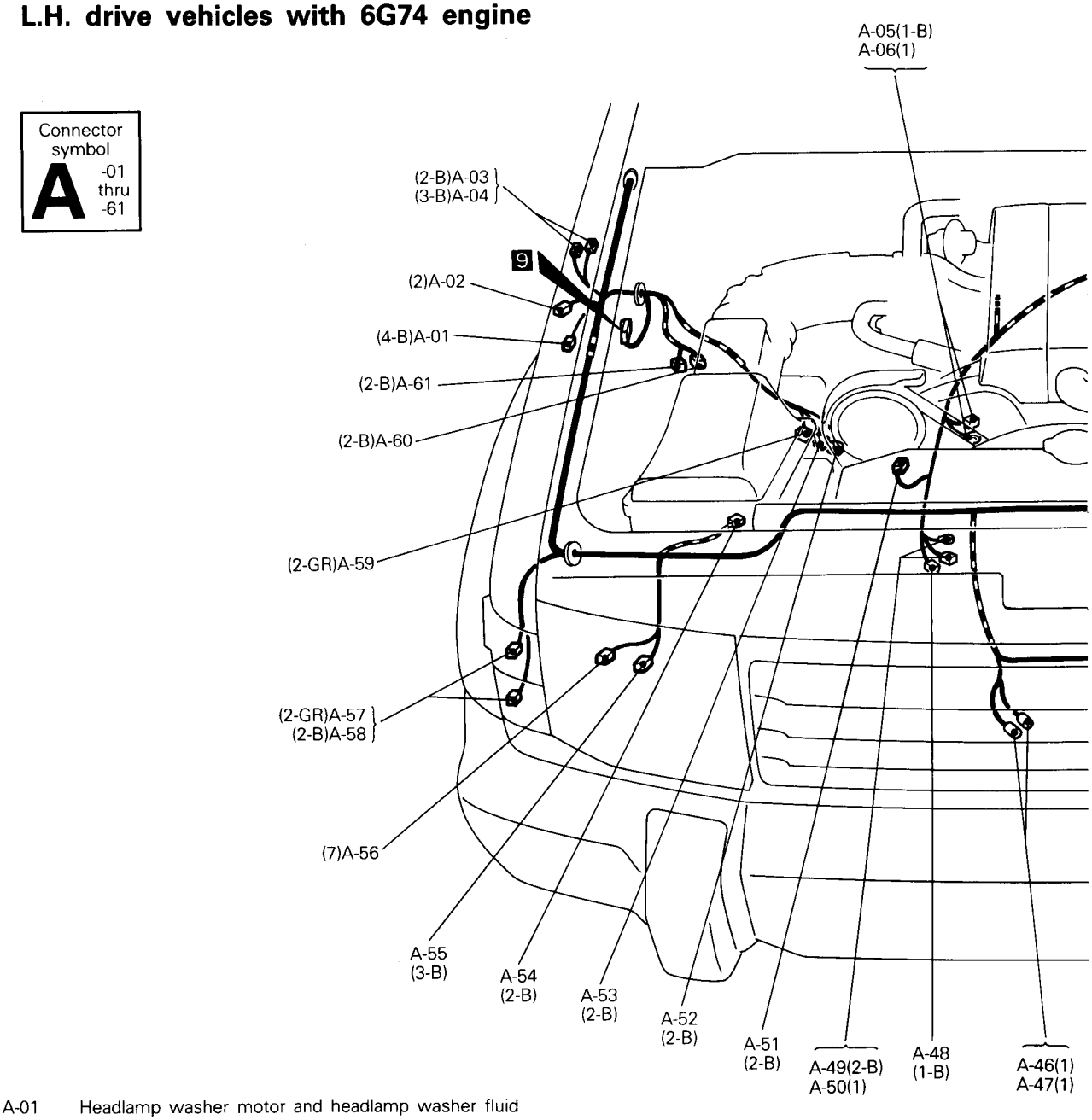


A-86	Ignition coil
A-87 thru A-96	—
A-97	No connection
A-98	Purge control solenoid valve
A-99	—
A-100	—
A-101	—
A-102	Distributor signal generator
A-103	—
A-104	Engine coolant temperature gauge unit
A-105	Engine coolant temperature switch <A/T>
A-106 thru A-112	—
A-113	Engine coolant temperature sensor
A-114	Engine coolant temperature switch (for A/C compressor control)
A-115	—
A-116	—
A-117	Power steering oil pressure switch <A/T> or No connection
A-118	Air flow sensor

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L.H. drive vehicles with 6G74 engine

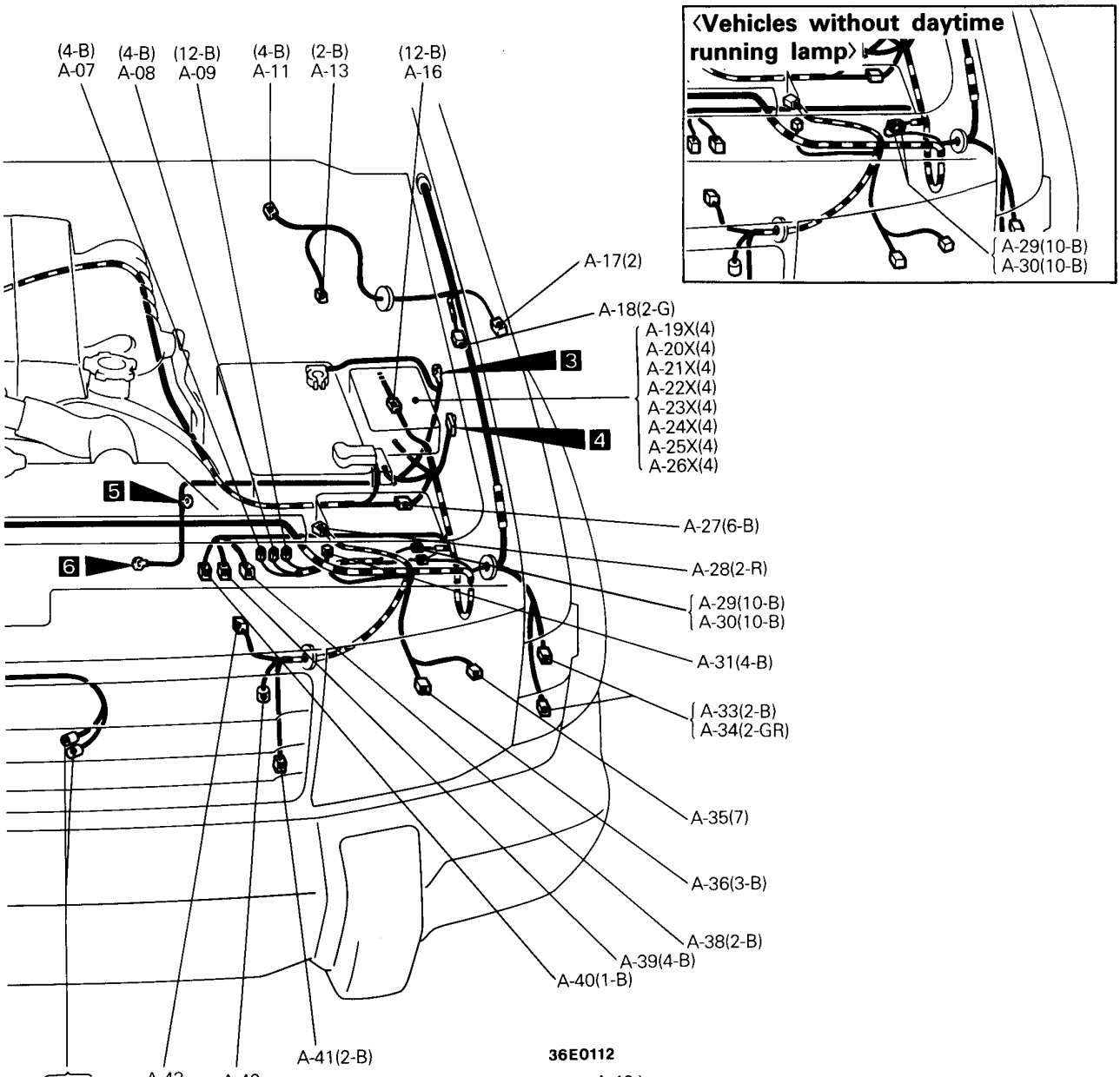


A-01	Headlamp washer motor and headlamp washer fluid level sensor
A-02	Side turn signal lamp (RH)
A-03, A-04	Motor antenna
A-05, A-06	Starter
A-07	Daytime running lamp relay 2
A-08	Daytime running lamp relay 1
A-09	Daytime running lamp control unit
A-10	—
A-11	Windshield wiper motor
A-12	—
A-13	Brake fluid level switch
A-14	—
A-15	—
A-16	Control wiring harness and front wiring harness combination
A-17	Side turn signal lamp (LH)
A-18	Windshield washer motor
A-19X thru A-26X	Refer to centralized junction
A-27	Battery cable and front wiring harness combination
A-28	Front impact sensor (LH) <SRS>
A-29, A-30	Daytime running lamp harness and front wiring harness combination or front wiring harness joint connector
A-31	Horn relay <Vehicles with SRS>
A-32	—

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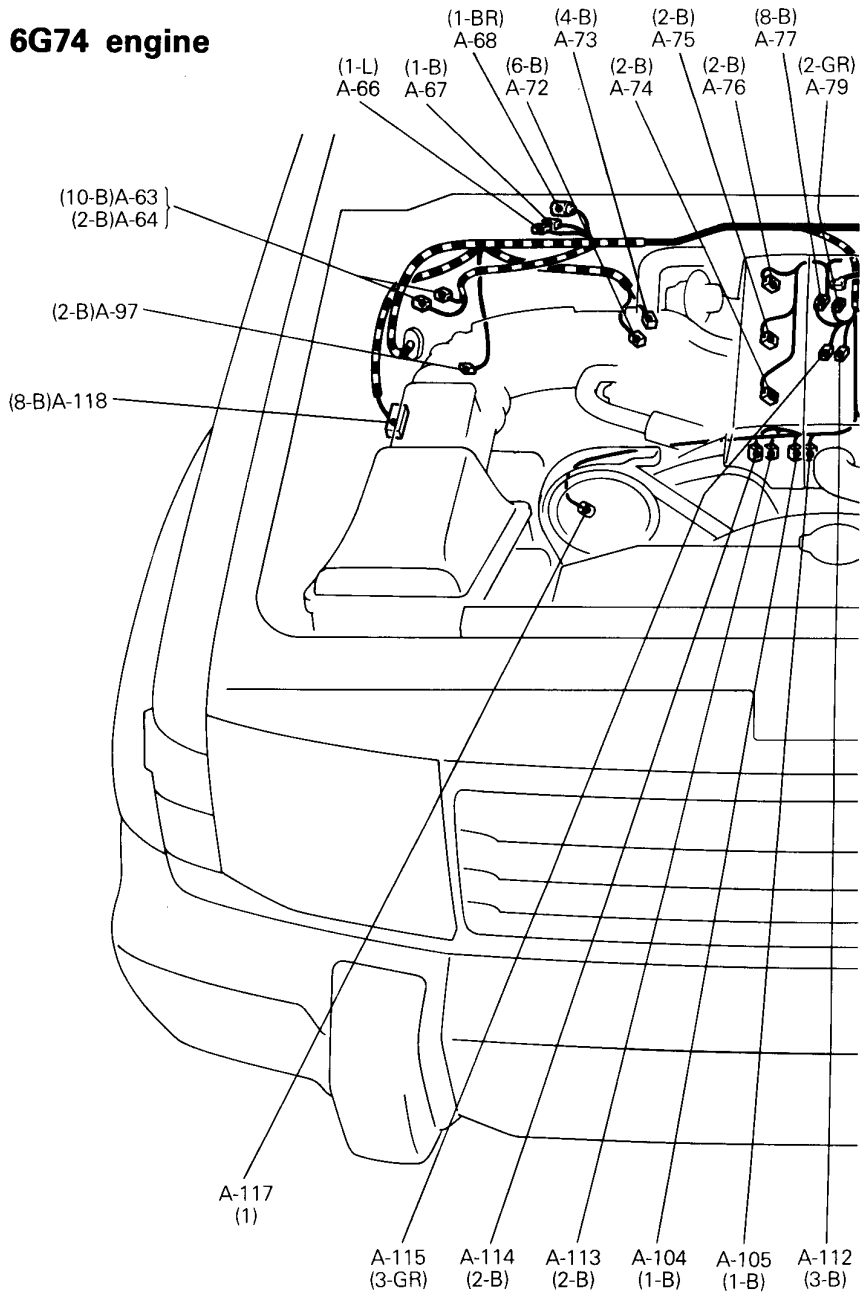
A-33, A-34	Front combination lamp (LH)
A-35	Headlamp leveling unit (LH)
A-36	Headlamp (LH)
A-37	—
A-38	Speed sensor (Front:LH) 〈ABS〉
A-39	Shock absorber (Front:LH) 〈Remote controlled variable shock absorber〉
A-40	Magnetic clutch 〈A/C〉
A-41	Thermo sensor (outside air) 〈Multi-meter〉
A-42	Dual pressure switch
A-43	Condenser fan motor
A-44, A-45	Horn (LO)
A-46, A-47	Horn (HI)
A-48	Oil pressure switch
A-49, A-50	Alternator
A-51	Engine oil level sensor
A-52	Speed sensor (Front:RH) 〈ABS〉
A-53	Shock absorber (Front:RH) 〈Remote controlled variable shock absorber〉
A-54	Front impact sensor (RH) 〈SRS〉
A-55	Headlamp (RH)
A-56	Headlamp leveling unit (RH)
A-57, A-58	Front combination lamp (RH)
A-59	Free wheel engage switch
A-60	Solenoid valve A 〈Super select 4WD〉
A-61	Solenoid valve B 〈Super select 4WD〉

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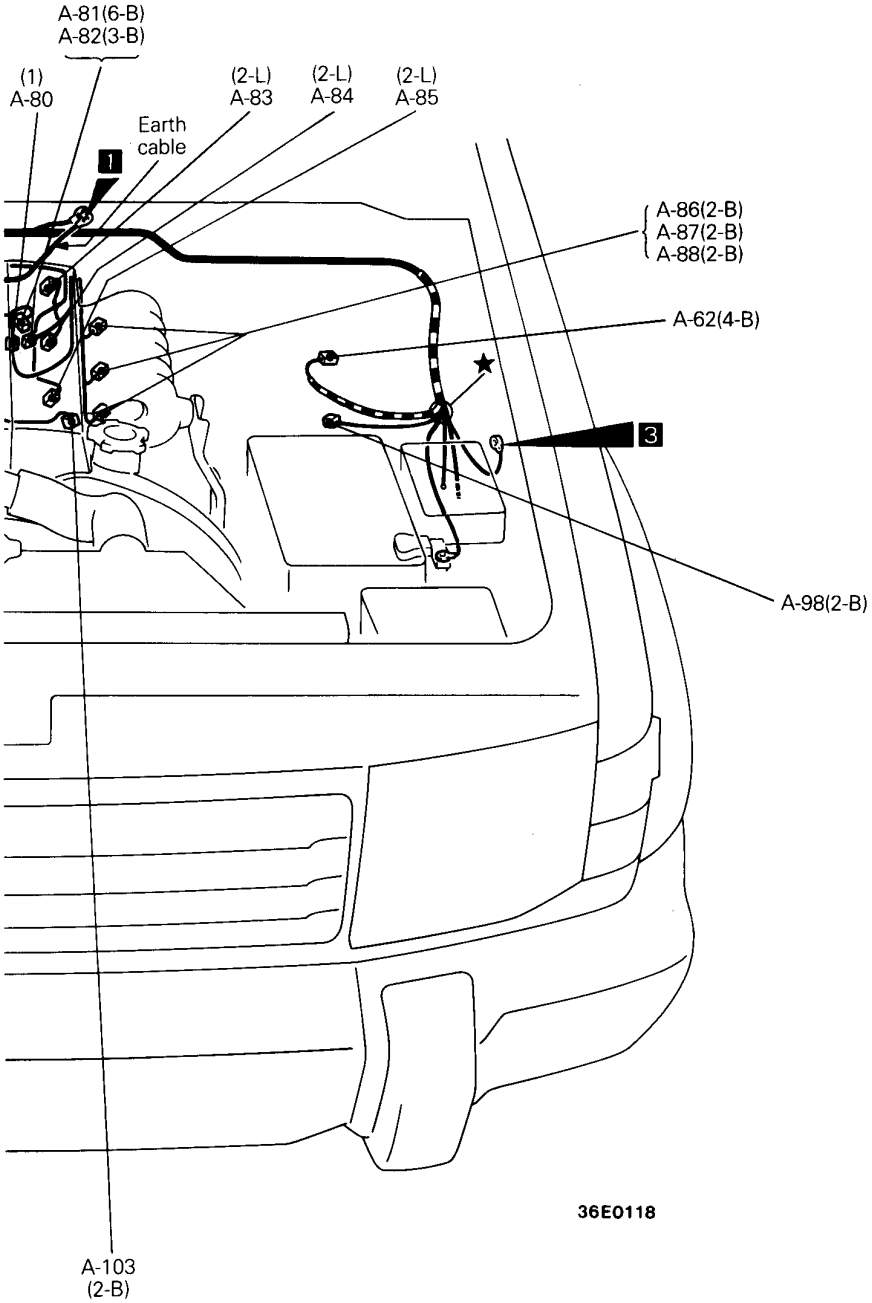
L.H. drive vehicles with 6G74 engine

Connector symbol **A** -62 thru -118



A-62	Auto-cruise control actuator
A-63, A-64	Hydraulic unit
A-65	—
A-66	Engine speed detection connector
A-67	Fuel pump check connector
A-68	Ignition timing adjustment connector
A-69	—
A-70	—
A-71	—
A-72	Idle speed control servo
A-73	Throttle position sensor
A-74	Injector No.1
A-75	Injector No.3
A-76	Injector No.5
A-77	Injector wiring harness and control wiring harness combination
A-78	—
A-79	Detonation sensor
A-80	Ignition wiring harness and control wiring harness combination
A-81, A-82	Power transistor
A-83	Injector No.6
A-84	Injector No.4
A-85	Injector No.2

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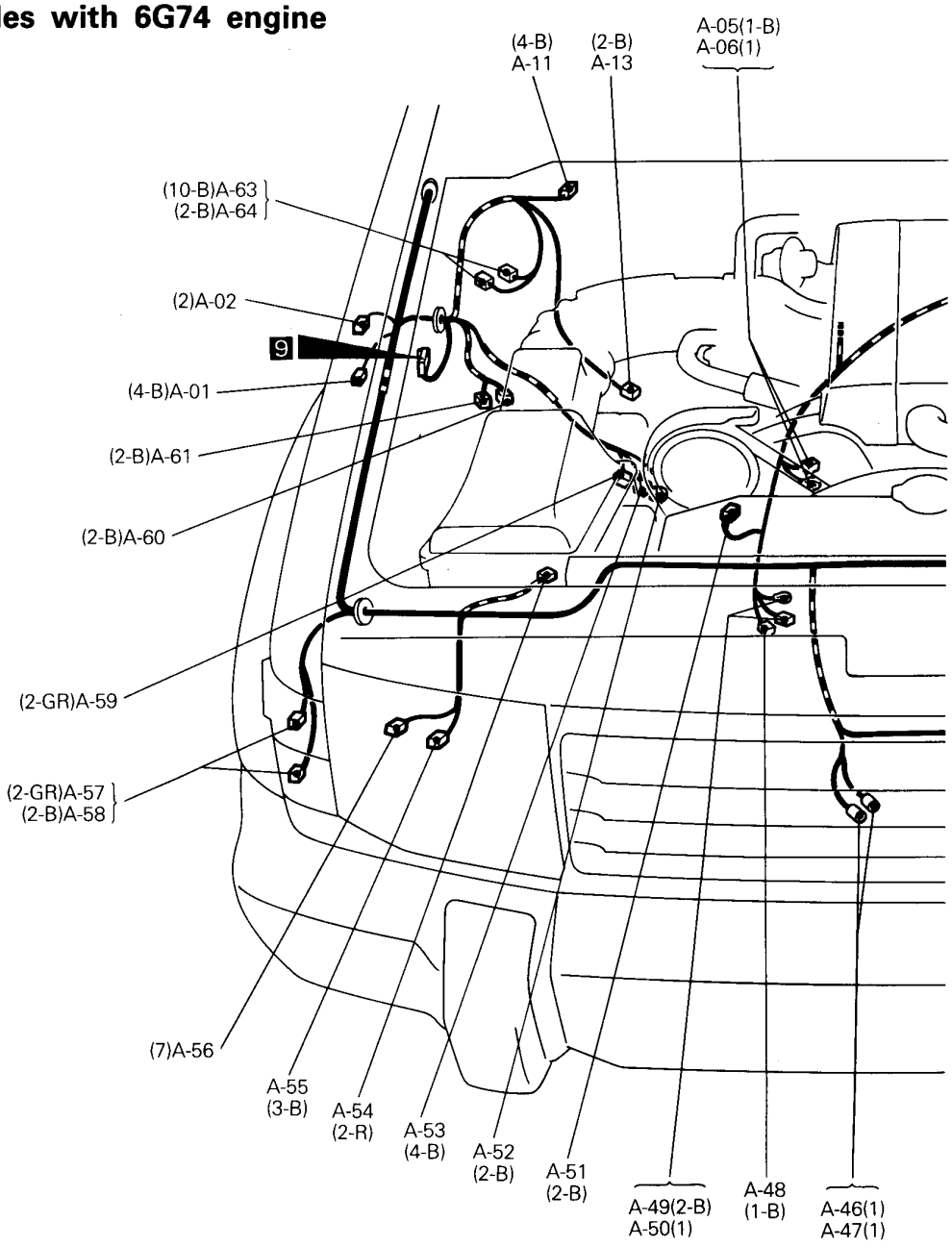


A-86, A-87, A-88	Ignition coil
A-89 thru A-96	—
A-97	EGR solenoid valve
A-98	Purge control solenoid valve
A-99 thru A-102	—
A-103	Variable induction control solenoid valve
A-104	Engine coolant temperature gauge unit
A-105	Engine coolant temperature switch <A/T>
A-106 thru A-111	—
A-112	Crank angle sensor
A-113	Engine coolant temperature sensor
A-114	Engine coolant temperature switch (for A/C compressor control)
A-115	Camshaft position sensor
A-116	—
A-117	Power steering oil pressure switch <A/T> or No connection
A-118	Air flow sensor

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R.H. drive vehicles with 6G74 engine

Connector symbol
A -01 thru -61

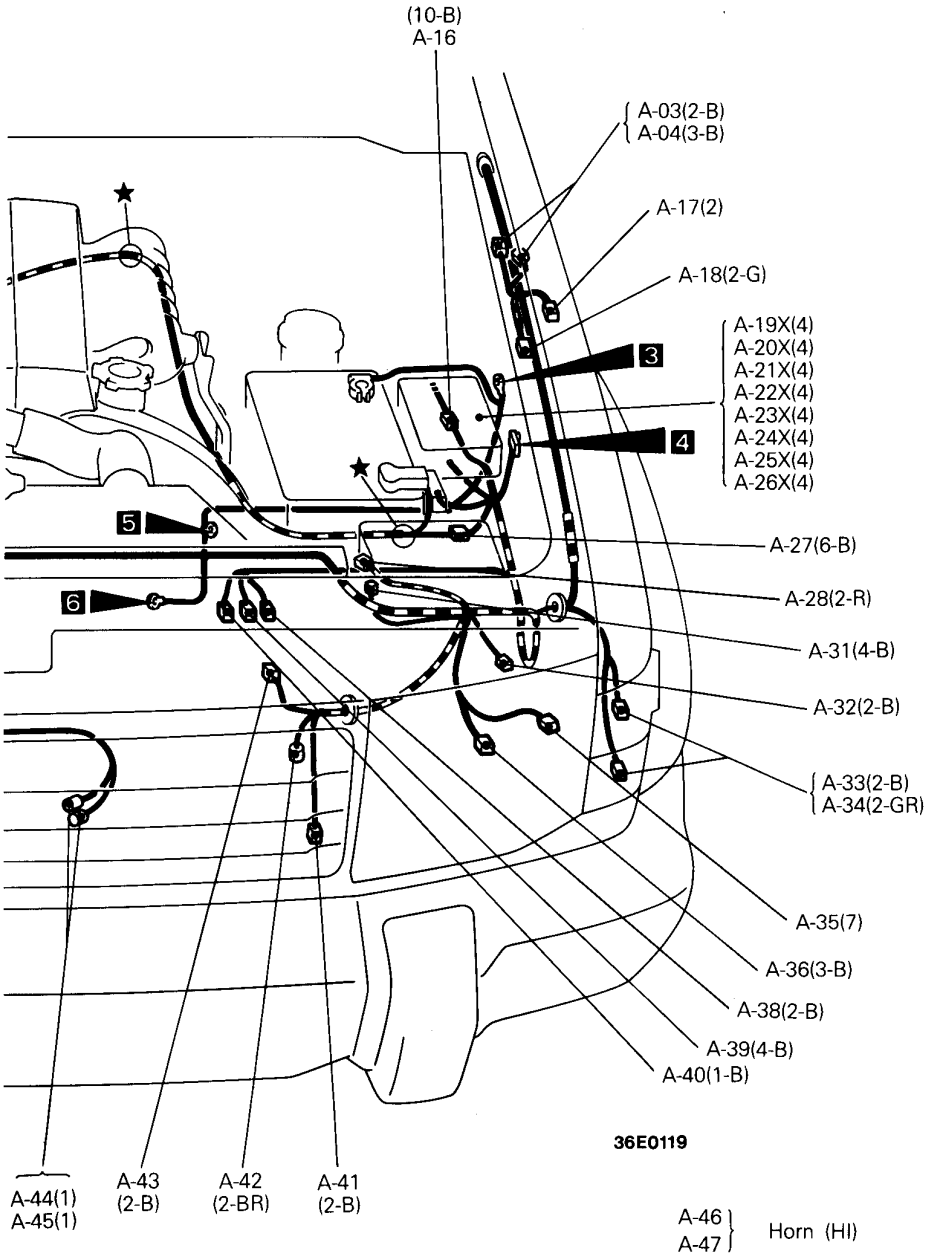


A-01	Headlamp washer motor and headlamp washer fluid level sensor	A-15	—
A-02	Side turn signal lamp (RH)	A-16	Control wiring harness and front wiring harness combination
A-03, A-04	Motor antenna	A-17	Side turn signal lamp (LH)
A-05, A-06	Starter	A-18	Windshield washer motor
A-07 thru A-10	—	A-19X thru A-26X	Refer to centralized junction
A-11	Windshield wiper motor	A-27	Battery cable and front wiring harness combination
A-12	—	A-28	Front impact sensor (LH) <SRS>
A-13	Brake fluid level switch	A-29	—
A-14	—	A-30	—
		A-31	Horn relay <Vehicles with SRS>
		A-32	Resistor <for dim-dip lamp circuit>

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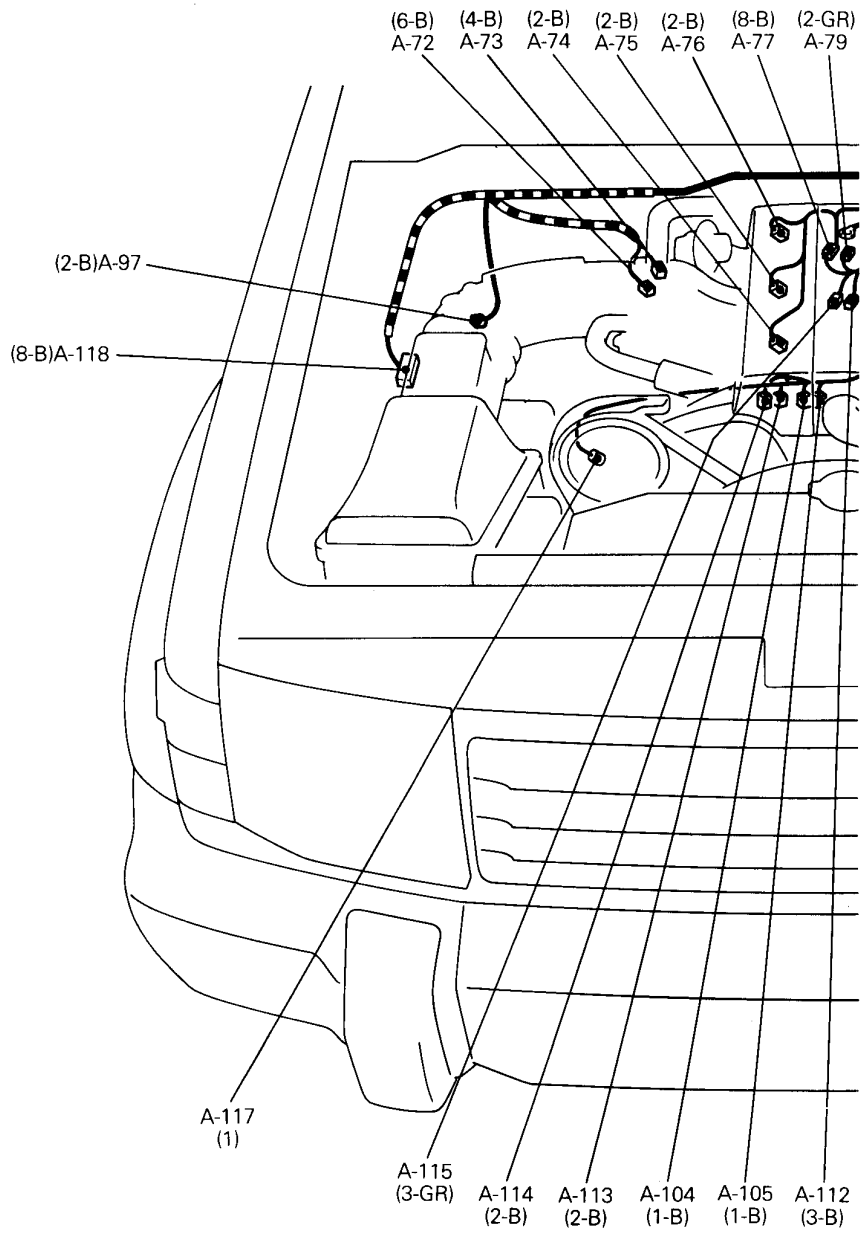
36E0119

A-33, A-34	Front combination lamp (LH)
A-35	Headlamp leveling unit (LH)
A-36	Headlamp (LH)
A-37	—
A-38	Speed sensor (Front:LH) <ABS>
A-39	Shock absorber (Front:LH) <Remote controlled variable shock absorber>
A-40	Magnetic clutch <A/C>
A-41	Thermo sensor (outside air) <Multi-meter>
A-42	Dual pressure switch
A-43	Condenser fan motor
A-44, A-45	Horn (LO)
A-46, A-47	Horn (HI)
A-48	Oil pressure switch
A-49, A-50	Alternator
A-51	Engine oil level sensor
A-52	Speed sensor (Front:RH) <ABS>
A-53	Shock absorber (Front:RH) <Remote controlled variable shock absorber>
A-54	Front impact sensor (RH) <SRS>
A-55	Headlamp (RH)
A-56	Headlamp leveling unit (RH)
A-57, A-58	Front combination lamp (RH)
A-59	Free wheel engage switch
A-60	Solenoid valve A <Super select 4WD>
A-61	Solenoid valve B <Super select 4WD>

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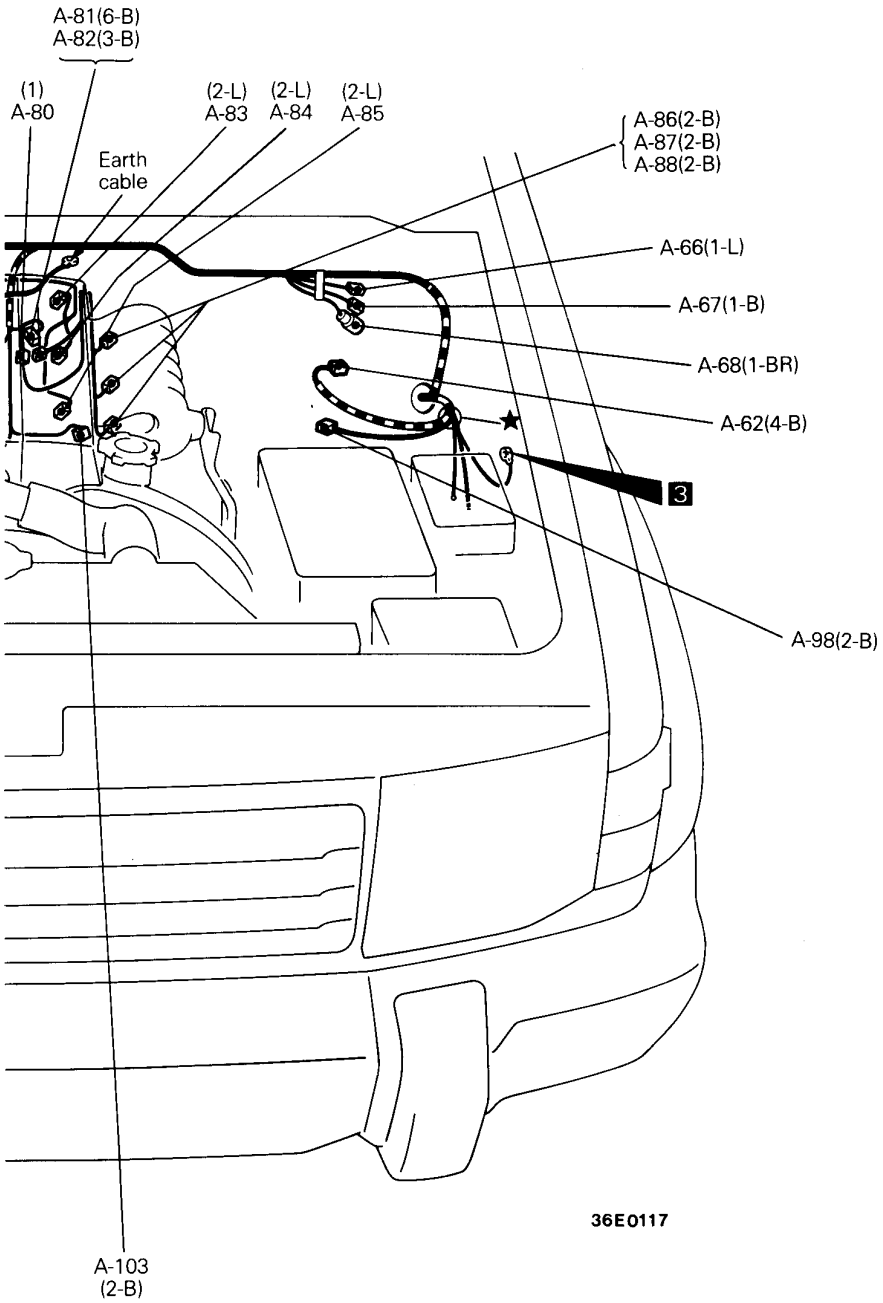
R.H. drive vehicles with 6G74 engine

Connector symbol
A -62 thru -118



A-62	Auto-cruise control actuator
A-63, A-64	Hydraulic unit
A-65	—
A-66	Engine speed detection connector
A-67	Fuel pump check connector
A-68	Ignition timing adjustment connector
A-69	—
A-70	—
A-71	—
A-72	Idle speed control servo
A-73	Throttle position sensor
A-74	Injector No.1
A-75	Injector No.3
A-76	Injector No.5
A-77	Injector wiring harness and control wiring harness combination
A-78	—
A-79	Detonation sensor
A-80	Ignition wiring harness and control wiring harness combination
A-81, A-82	Power transistor
A-83	Injector No.6
A-84	Injector No.4
A-85	Injector No.2

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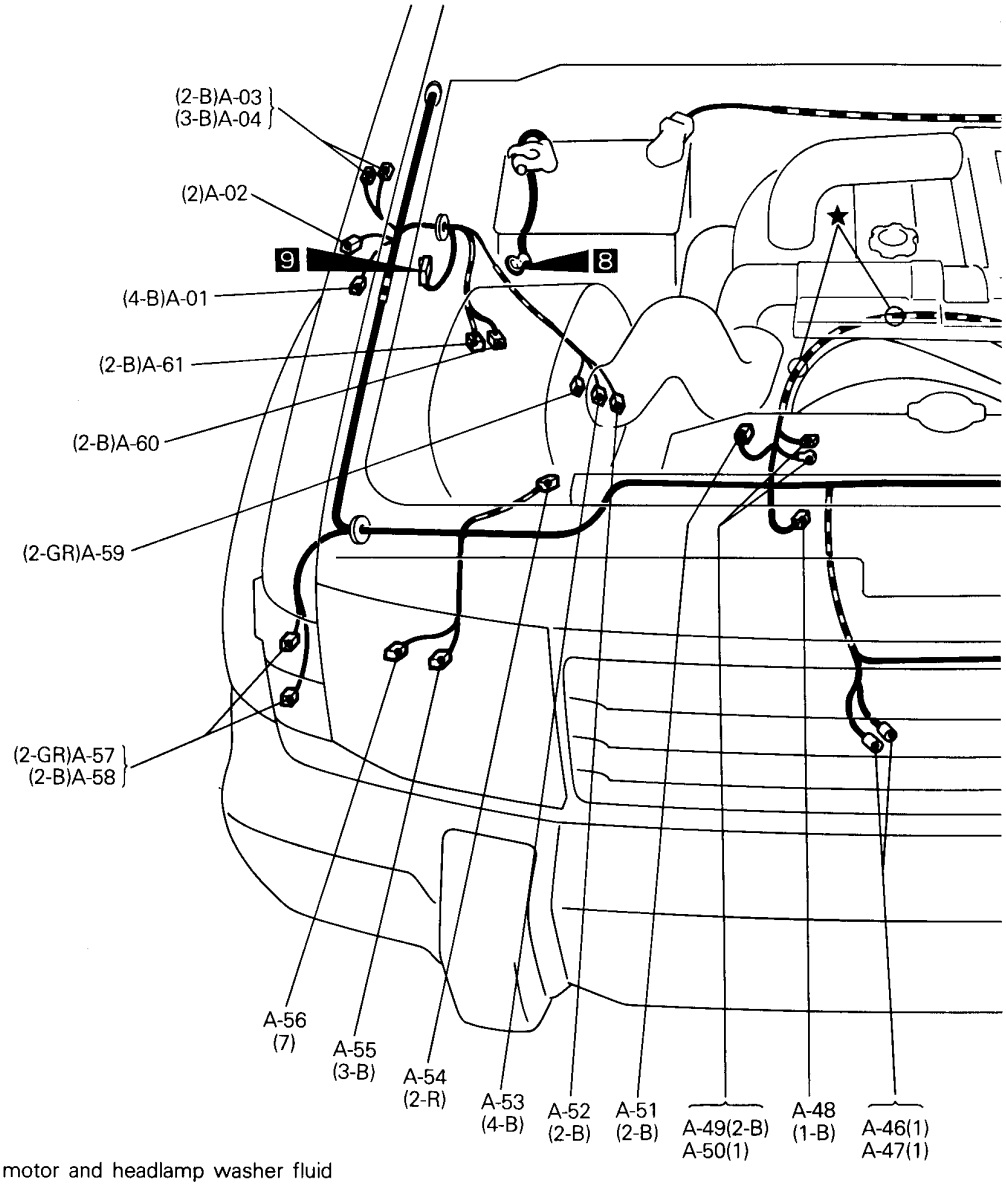
A-86, A-87, A-88	Ignition coil
A-89 thru A-96	—
A-97	EGR solenoid valve
A-98	Purge control solenoid valve
A-99 thru A-102	—
A-103	Variable induction control solenoid valve
A-104	Engine coolant temperature gauge unit
A-105	Engine coolant temperature switch <A/T>
A-106 thru A-111	—
A-112	Crank angle sensor
A-113	Engine coolant temperature sensor
A-114	Engine coolant temperature switch (for A/C compressor control)
A-115	Camshaft position sensor
A-116	—
A-117	Power steering oil pressure switch <A/T> or No connection
A-118	Air flow sensor

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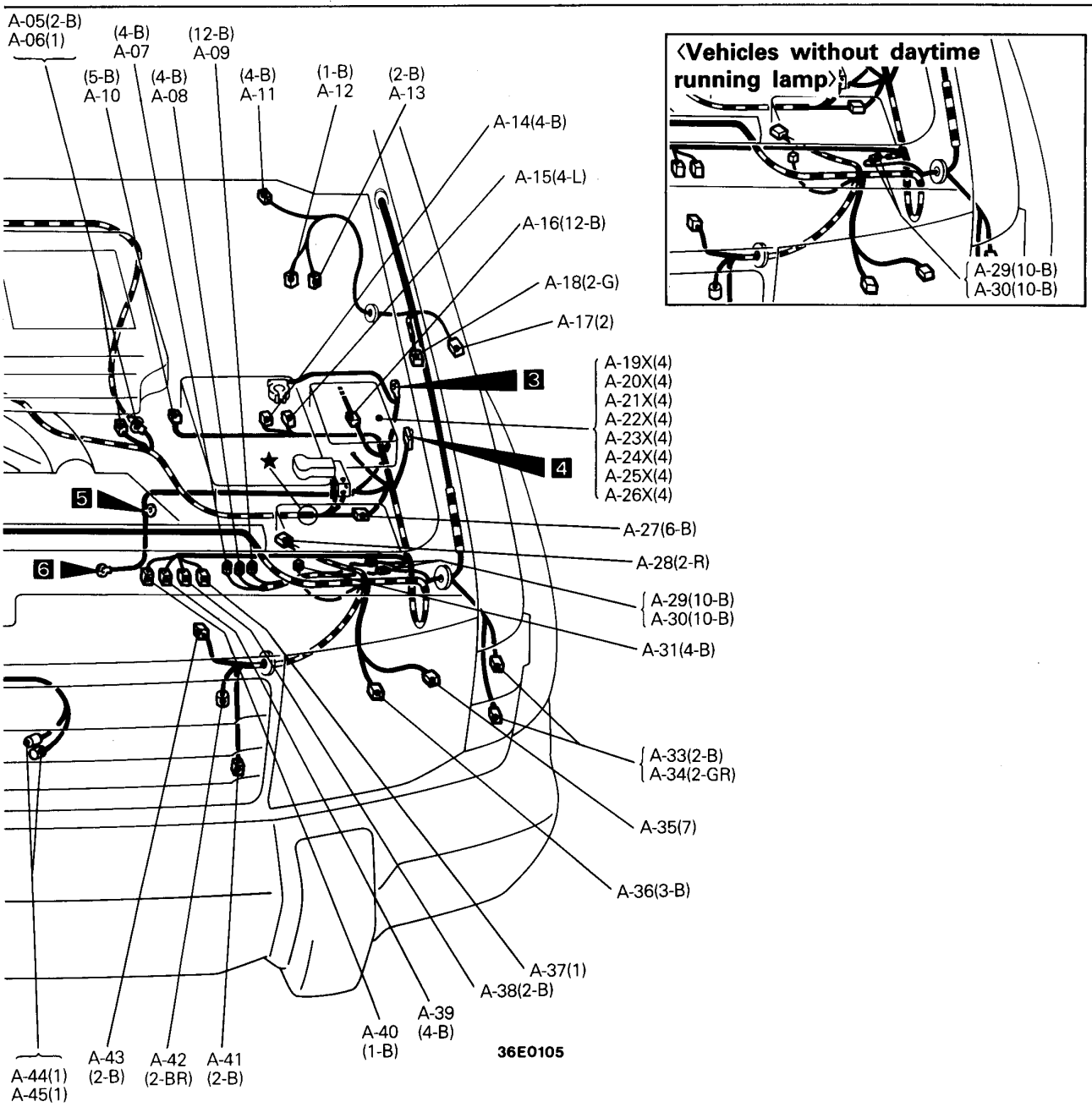
L.H. drive vehicles with 4D56 engine

Connector symbol
A -01 thru -61



A-01	Headlamp washer motor and headlamp washer fluid level sensor
A-02	Side turn signal lamp (RH)
A-03, A-04	Motor antenna
A-05, A-06	Starter
A-07	Daytime running lamp relay 2
A-08	Daytime running lamp relay 1
A-09	Daytime running lamp control unit
A-10	Starter relay
A-11	Windshield wiper motor
A-12	Vacuum switch
A-13	Brake fluid level switch
A-14	No connection
A-15	Condenser fan motor control relay
A-16	Control wiring harness and front wiring harness combination
A-17	Side turn signal lamp (LH)
A-18	Windshield washer motor
A-19X thru A-26X	Refer to centralized junction
A-27	Battery cable and front wiring harness combination
A-28	Front impact sensor (LH) <SRS>
A-29, A-30	Daytime running lamp harness and front wiring harness combination or front wiring harness joint connector
A-31	Horn relay <Vehicles with SRS>
A-32	—
A-33, A-34	Front combination lamp (LH)

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A-35	Headlamp leveling unit (LH)
A-36	Headlamp (LH)
A-37	No connection
A-38	Speed sensor (Front:LH) 〈ABS〉
A-39	Shock absorber (Front:LH) 〈Remote controlled variable shock absorber〉
A-40	Magnetic clutch 〈A/C〉
A-41	Thermo sensor (outside air) 〈Multi-meter〉
A-42	Dual pressure switch
A-43	Condenser fan motor
A-44, A-45	Horn (LO)
A-46, A-47	Horn (HI)
A-48	Oil pressure switch
A-49, A-50	Alternator
A-51	Engine oil level sensor
A-52	Speed sensor (Front:RH) 〈ABS〉
A-53	Shock absorber (Front:RH) 〈Remote controlled variable shock absorber〉
A-54	Front impact sensor (RH) 〈SRS〉
A-55	Headlamp (RH)
A-56	Headlamp leveling unit (RH)
A-57, A-58	Front combination lamp (RH)
A-59	Free wheel engage switch
A-60	Solenoid valve A 〈Super select 4WD〉
A-61	Solenoid valve B 〈Super select 4WD〉

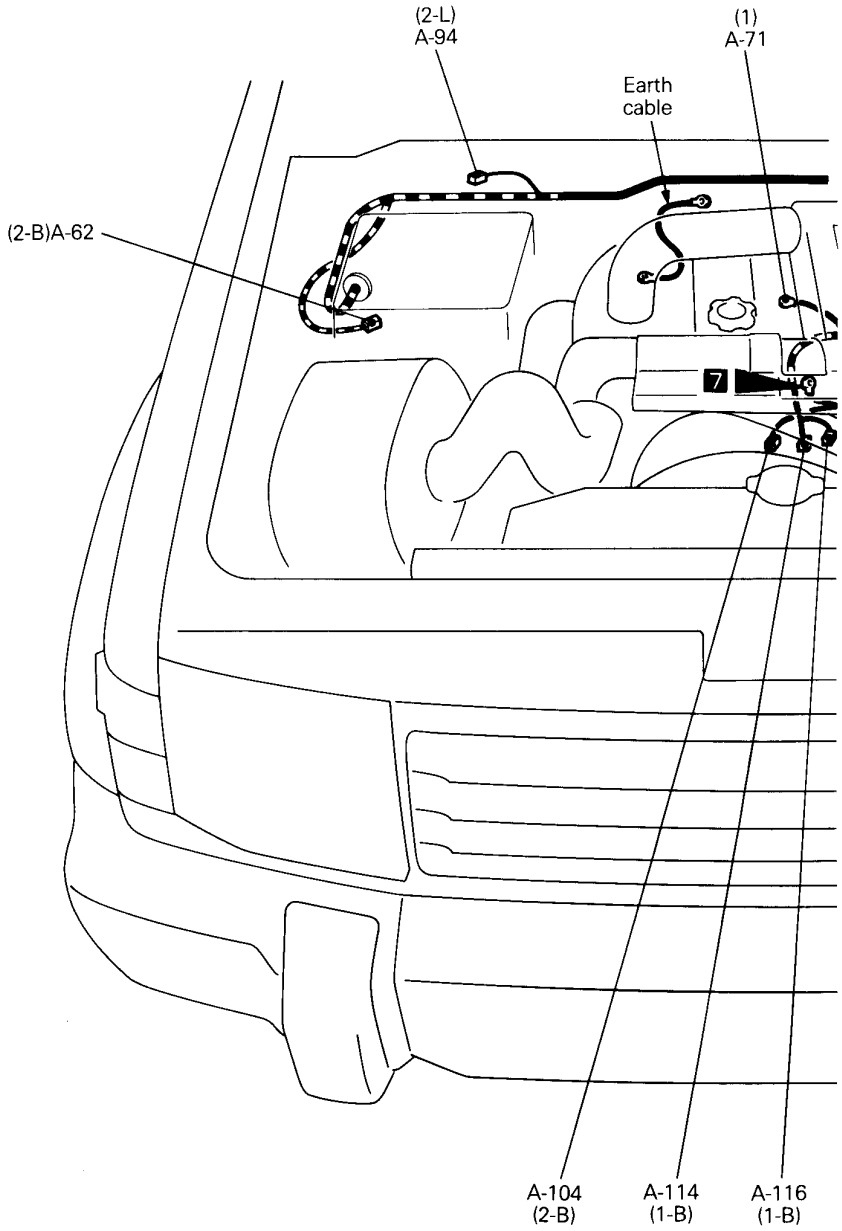
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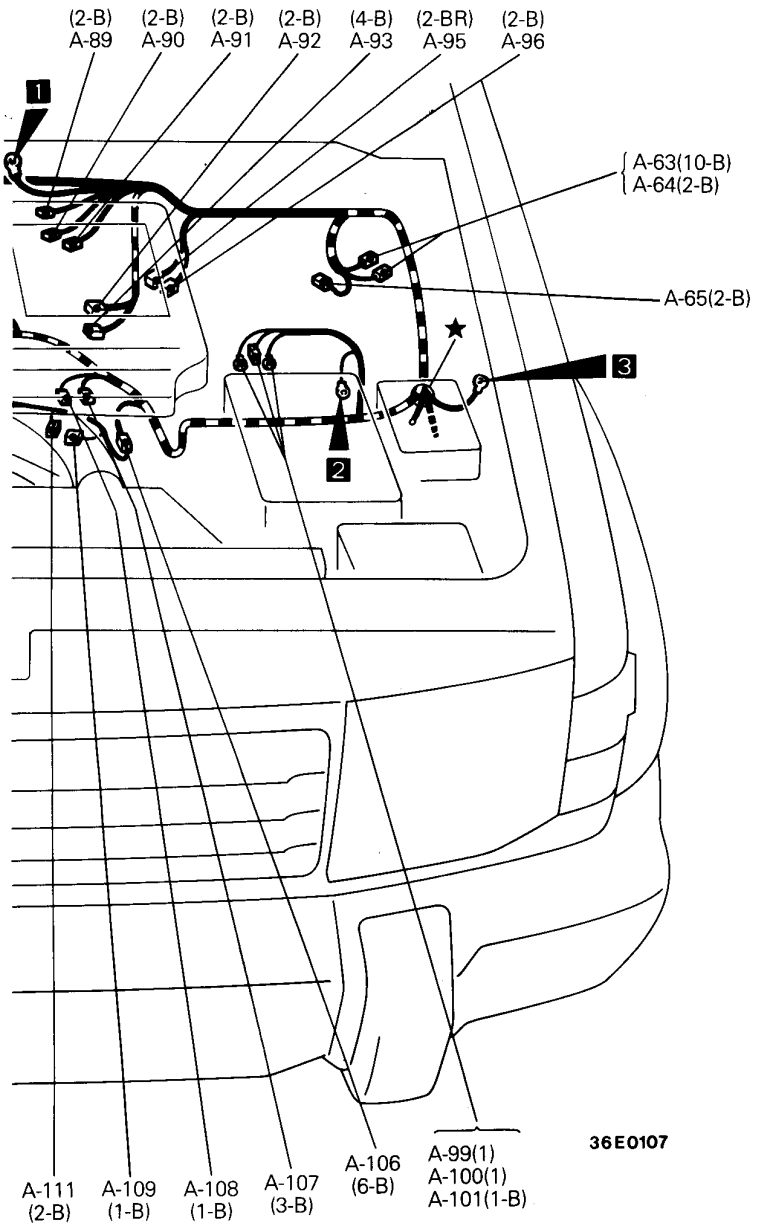
L.H. drive vehicles with 4D56 engine

Connector symbol
A -62 thru -116



A-62	Auto-cruise control actuator
A-63, A-64	Hydraulic unit
A-65	Idle up solenoid valve ⟨ABS⟩
A-66 thru A-70	—
A-71	Glow plug
A-72 thru A-88	—
A-89	EGR solenoid valve I
A-90	EGR solenoid valve II
A-91	Supercharging pressure relief solenoid valve
A-92	Water level switch
A-93	Fuel line heater or no connection
A-94	Idle up solenoid valve ⟨A/C⟩
A-95	Intake air temperature switch
A-96	Intercooler fan motor
A-97	—
A-98	—

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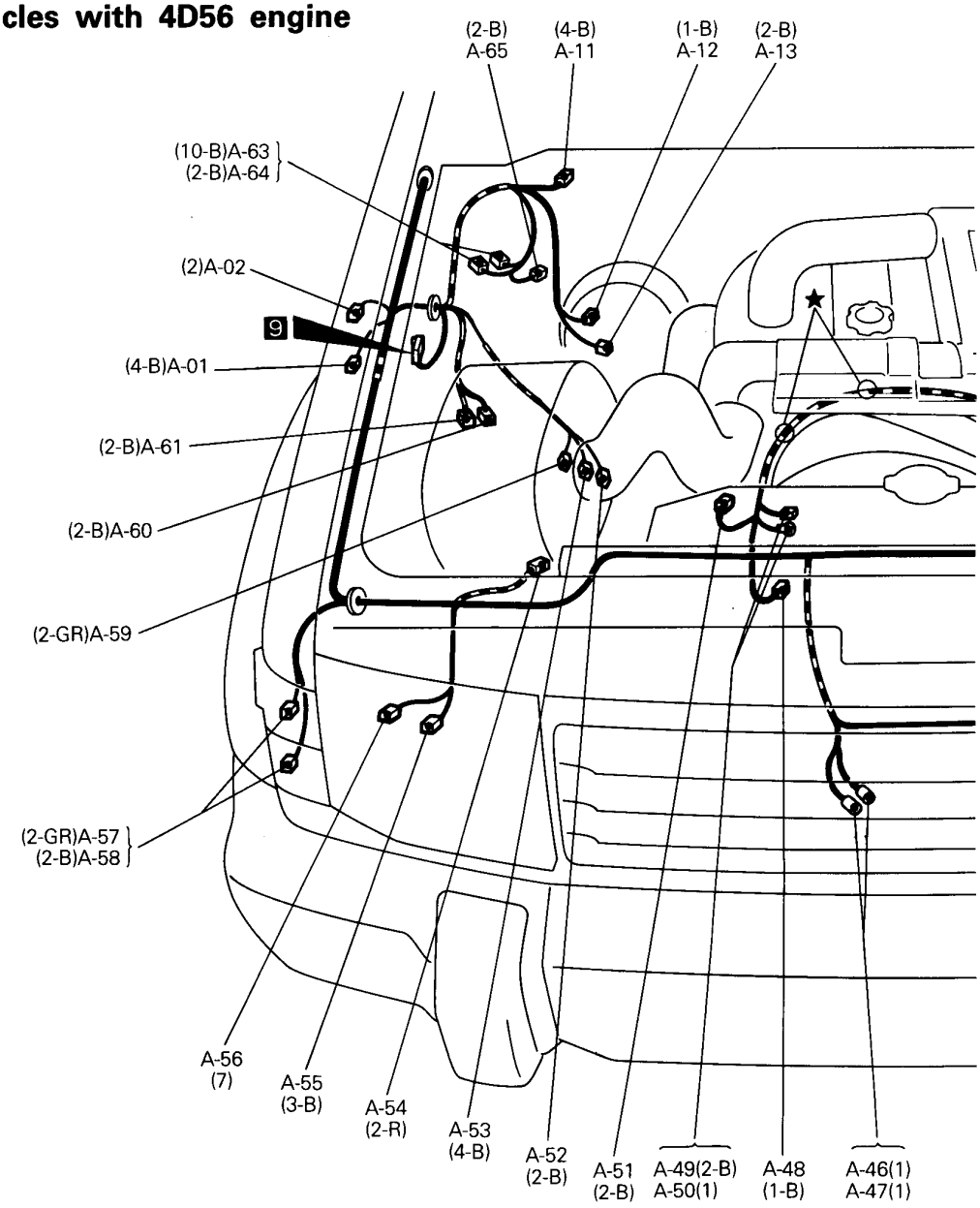


A-99 A-100 A-101	Glow plug relay
A-102	—
A-103	—
A-104	Engine coolant temperature gauge unit
A-105	—
A-106	Fuel injection pump wiring harness and control wiring harness combination
A-107	Lever position sensor
A-108	Lever position switch <A/T> or short connector <M/T>
A-109	Fuel cut solenoid valve
A-110	—
A-111	Rotation sensor
A-112	—
A-113	—
A-114	Engine coolant temperature switch (for A/C compressor control)
A-115	—
A-116	Engine coolant temperature switch (for condenser fan motor control)

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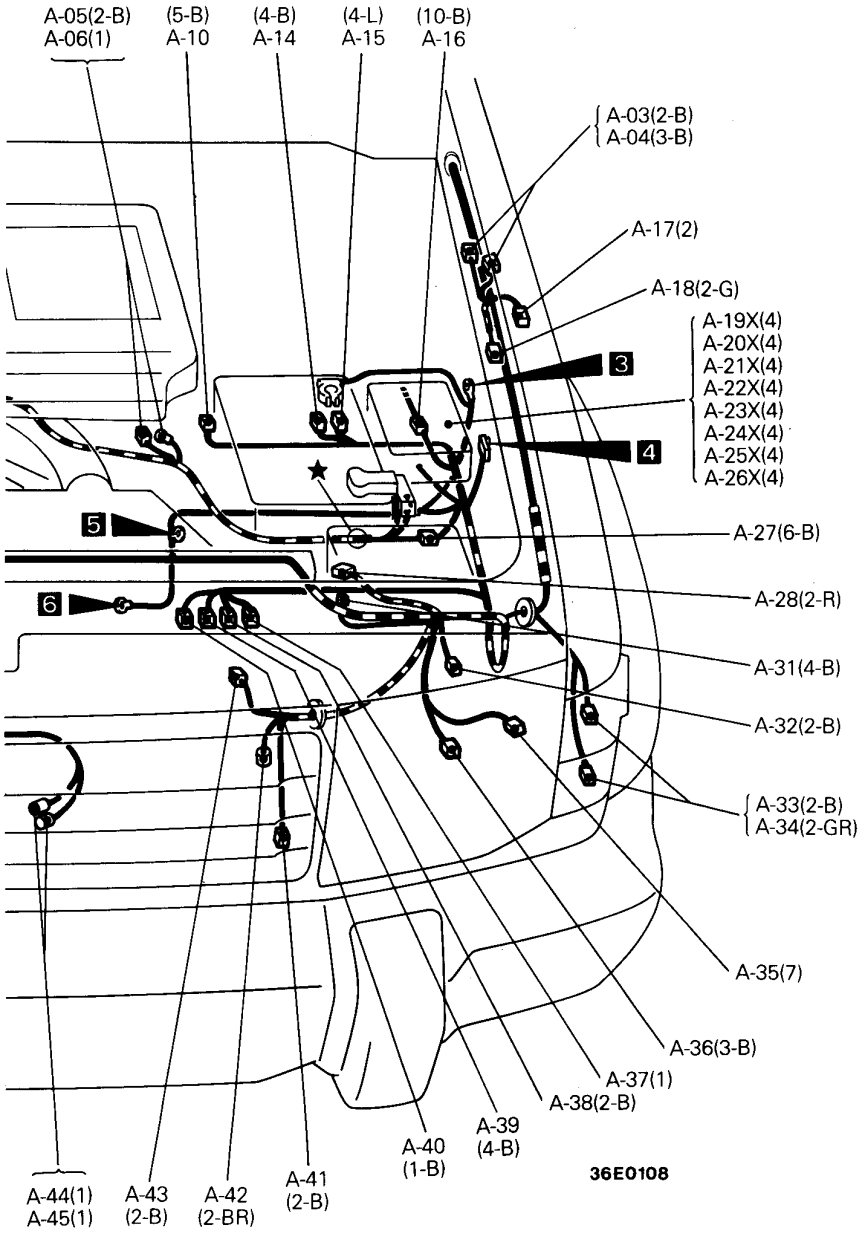
R.H. drive vehicles with 4D56 engine

Connector symbol **A** -01 thru -61



A-01	Headlamp washer motor and headlamp washer fluid level sensor
A-02	Side turn signal lamp (RH)
A-03, A-04	Motor antenna
A-05, A-06	Starter
A-07	—
A-08	—
A-09	—
A-10	Starter relay
A-11	Windshield wiper motor
A-12	Vacuum switch
A-13	Brake fluid level switch
A-14	No connection
A-15	Condenser fan motor control relay
A-16	Control wiring harness and front wiring harness combination
A-17	Side turn signal lamp (LH)
A-18	Windshield washer motor
A-19X thru A-26X	Refer to centralized junction
A-27	Battery cable and front wiring harness combination
A-28	Front impact sensor (LH) <SRS>
A-29	—
A-30	—
A-31	Horn relay <Vehicles with SRS>
A-32	Resistor <for dim-dip lamp circuit>
A-33, A-34	Front combination lamp (LH)

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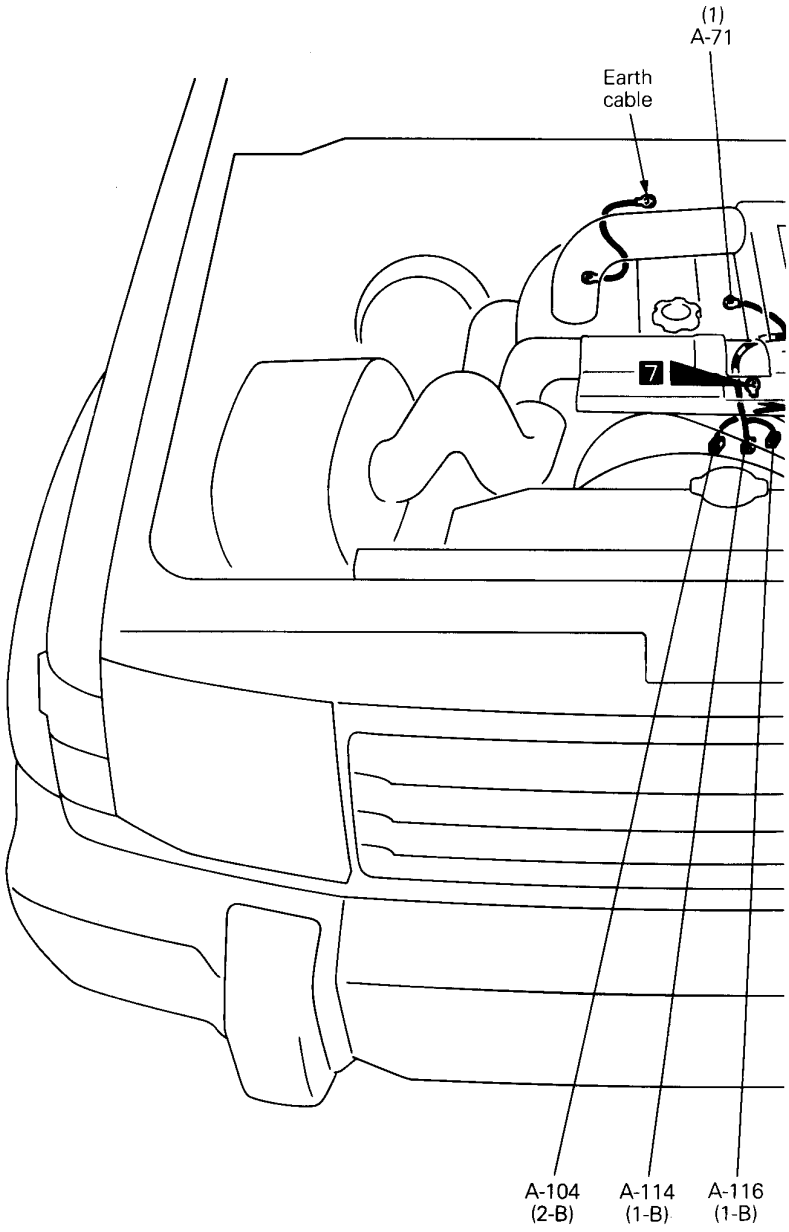
A-35	Headlamp leveling unit (LH)
A-36	Headlamp (LH)
A-37	No connection
A-38	Speed sensor (Front:LH) <ABS>
A-39	Shock absorber (Front:LH) <Remote controlled variable shock absorber>
A-40	Magnetic clutch <A/C>
A-41	Thermo sensor (outside air) <Multi-meter>
A-42	Dual pressure switch
A-43	Condenser fan motor
A-44 A-45	Horn (LO)
A-46 A-47	Horn (HI)
A-48	Oil pressure switch
A-49 A-50	Alternator
A-51	Engine oil level sensor
A-52	Speed sensor (Front:RH) <ABS>
A-53	Shock absorber (Front:RH) <Remote controlled variable shock absorber>
A-54	Front impact sensor (RH) <SRS>
A-55	Headlamp (RH)
A-56	Headlamp leveling unit (RH)
A-57 A-58	Front combination lamp (RH)
A-59	Free wheel engage switch
A-60	Solenoid valve A <Super select 4WD>
A-61	Solenoid valve B <Super select 4WD>

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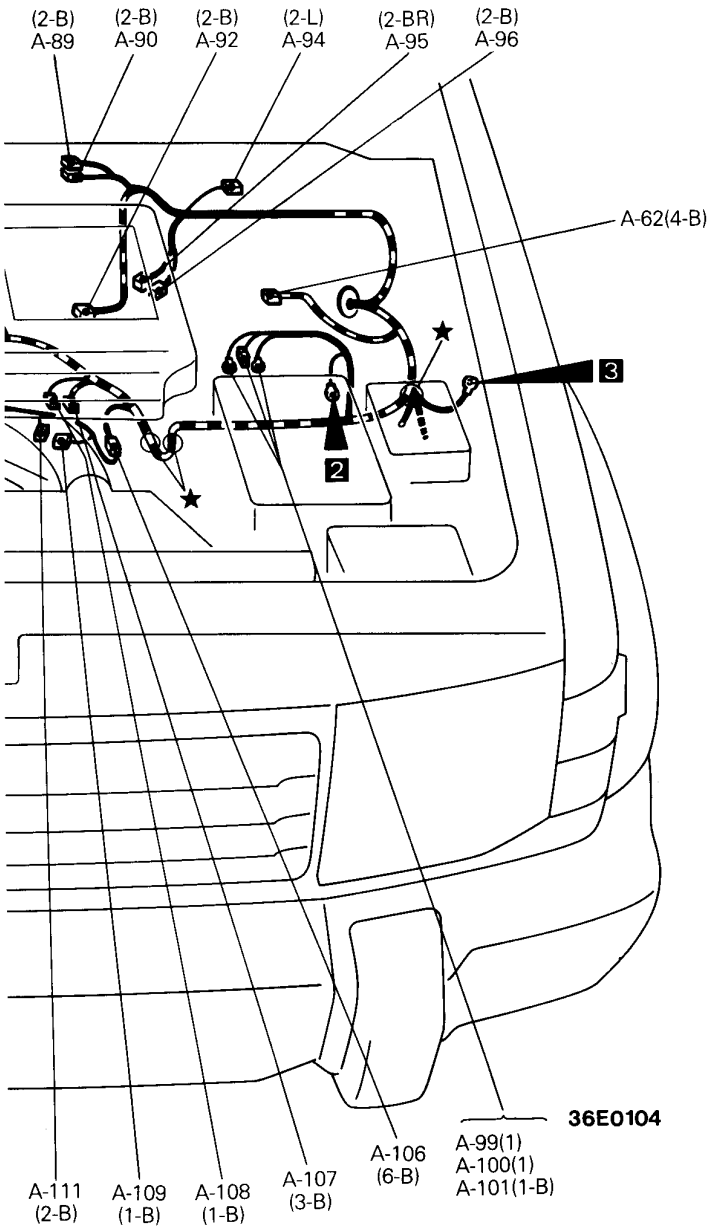
R.H. drive vehicles with 4D56 engine

Connector symbol
A -62 thru -118



A-62	Auto-cruise control actuator
A-63, A-64	Hydraulic unit
A-65	Idle up solenoid valve <ABS>
A-66 thru A-70	—
A-71	Glow plug
A-72 thru A-88	—
A-89	EGR solenoid valve I
A-90	EGR solenoid valve II
A-91	—
A-92	Water level switch
A-93	—
A-94	Idle up solenoid valve <A/C>
A-95	Intake air temperature switch
A-96	Intercooler fan motor
A-97	—
A-98	—

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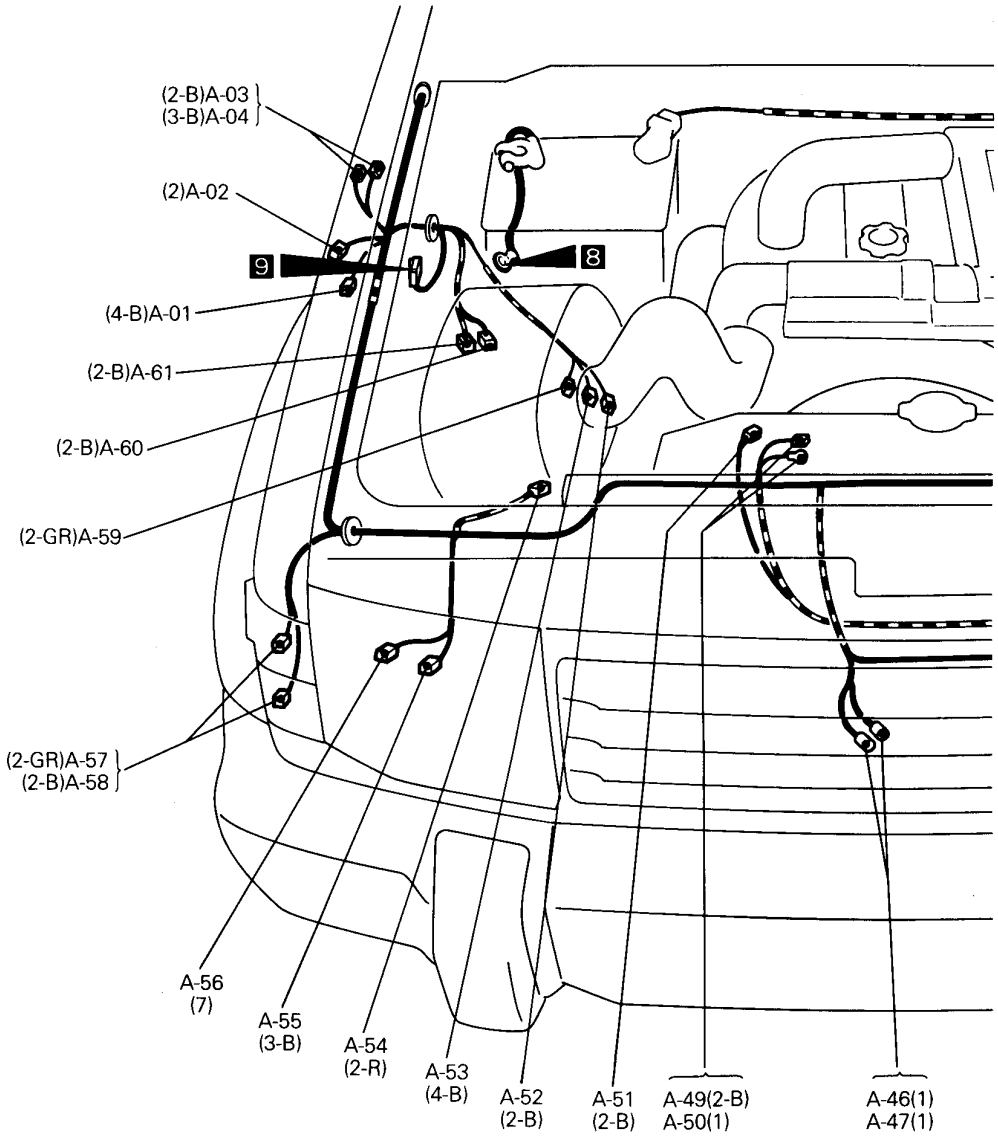
A-99, A-100, A-101	Glow plug relay
A-102	—
A-103	—
A-104	Engine coolant temperature gauge unit
A-105	—
A-106	Fuel injection pump wiring harness and control wiring harness combination
A-107	Lever position sensor
A-108	Lever position switch <A/T> or short connector <M/T>
A-109	Fuel cut solenoid valve
A-110	—
A-111	Rotation sensor
A-112	—
A-113	—
A-114	Engine coolant temperature switch (for A/C compressor control)
A-115	—
A-116	Engine coolant temperature switch (for condenser fan motor control)

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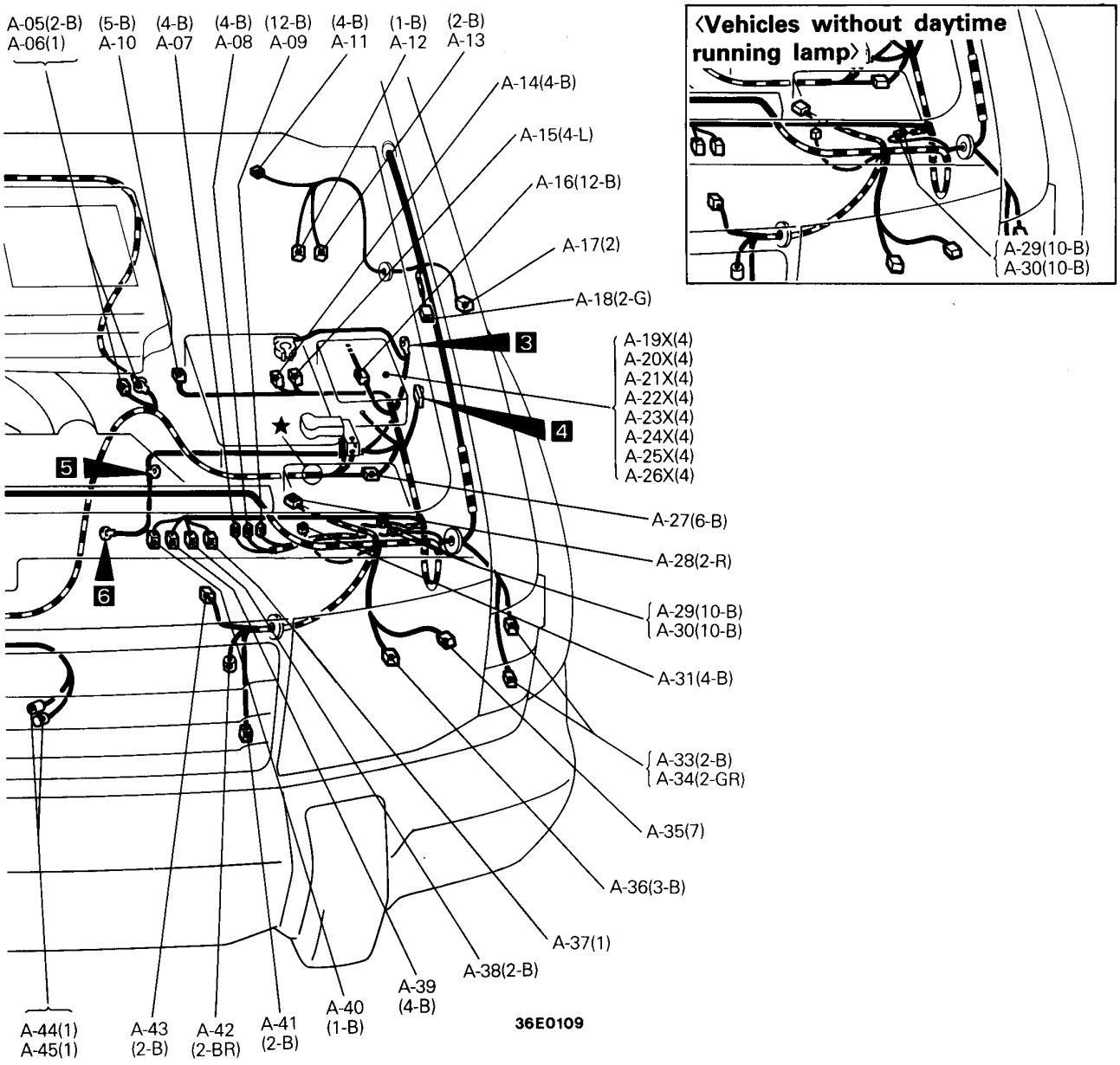
L.H. drive vehicles with 4M40 engine

Connector symbol
A -01 thru -61



A-01	Headlamp washer motor and headlamp washer fluid level sensor
A-02	Side turn signal lamp (RH)
A-03, A-04	Motor antenna
A-05, A-06	Starter
A-07	Daytime running lamp relay 2
A-08	Daytime running lamp relay 1
A-09	Daytime running lamp control unit
A-10	Starter relay
A-11	Windshield wiper motor
A-12	Vacuum switch
A-13	Brake fluid level switch
A-14	A/C compressor capacity control relay
A-15	Condenser fan motor control relay
A-16	Control wiring harness and front wiring harness combination
A-17	Side turn signal lamp (LH)
A-18	Windshield washer motor
A-19X thru A-26X	Refer to centralized junction
A-27	Battery cable and front wiring harness combination
A-28	Front impact sensor (LH) <SRS>
A-29, A-30	Daytime running lamp harness and front wiring harness combination or front wiring harness joint connector
A-31	Horn relay <Vehicles with SRS>
A-32	—
A-33, A-34	Front combination lamp (LH)

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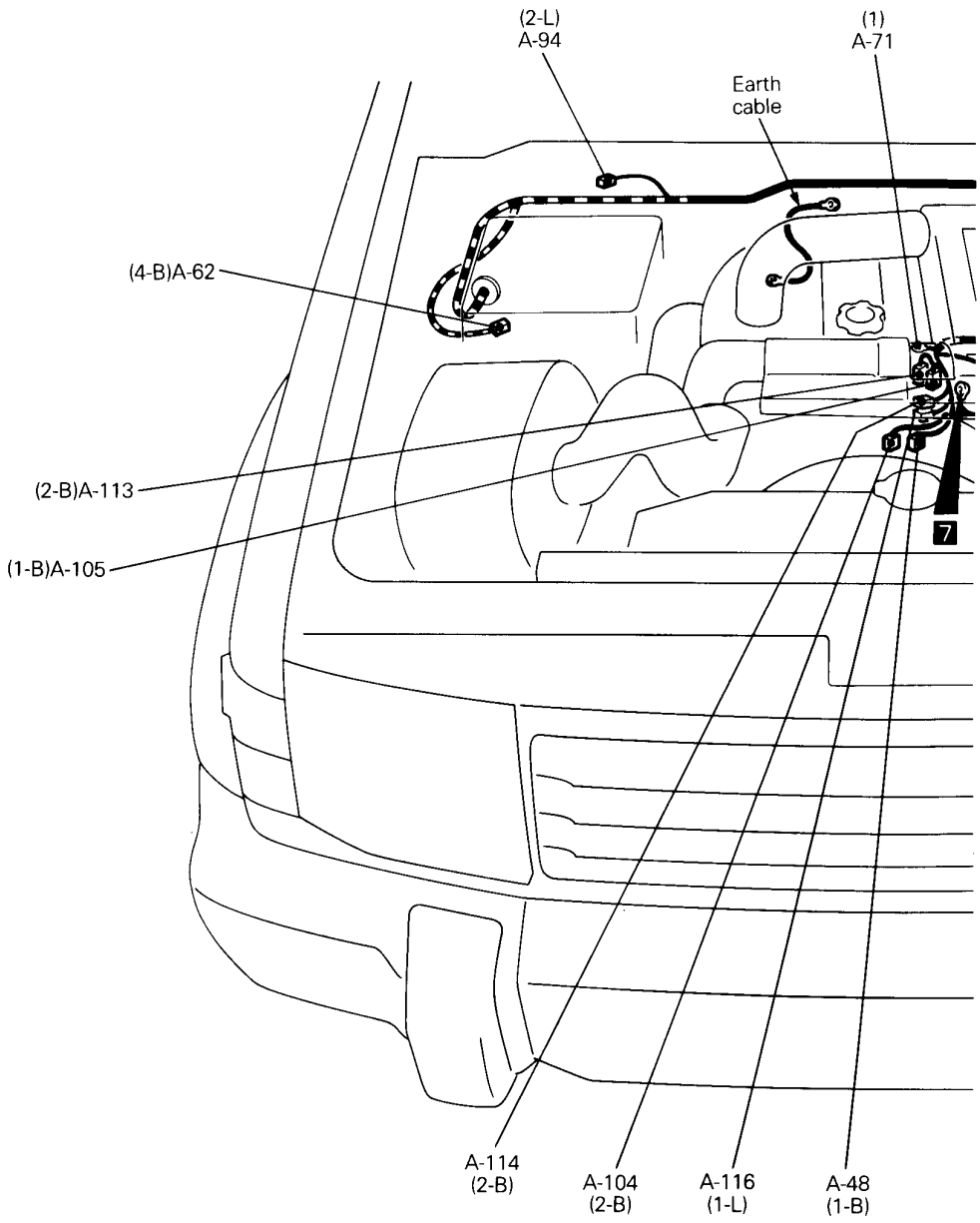
A-35	Headlamp leveling unit (LH)
A-36	Headlamp (LH)
A-37	A/C compressor capacity control solenoid valve
A-38	Speed sensor (Front:LH) 〈ABS〉
A-39	Shock absorber (Front:LH) 〈Remote controlled variable shock absorber〉
A-40	Magnetic clutch 〈A/C〉
A-41	Thermo sensor (outside air) 〈Multi-meter〉
A-42	Dual pressure switch
A-43	Condenser fan motor
A-44 A-45	Horn (LO)
A-46 A-47	Horn (HI)
A-48	Oil pressure switch
A-49 A-50	Alternator
A-51	Engine oil level sensor
A-52	Speed sensor (Front:RH) 〈ABS〉
A-53	Shock absorber (Front:RH) 〈Remote controlled variable shock absorber〉
A-54	Front impact sensor (RH) 〈SRS〉
A-55	Headlamp (RH)
A-56	Headlamp leveling unit (RH)
A-57 A-58	Front combination lamp (RH)
A-59	Free wheel engage switch
A-60	Solenoid valve A 〈Super select 4WD〉
A-61	Solenoid valve B 〈Super select 4WD〉

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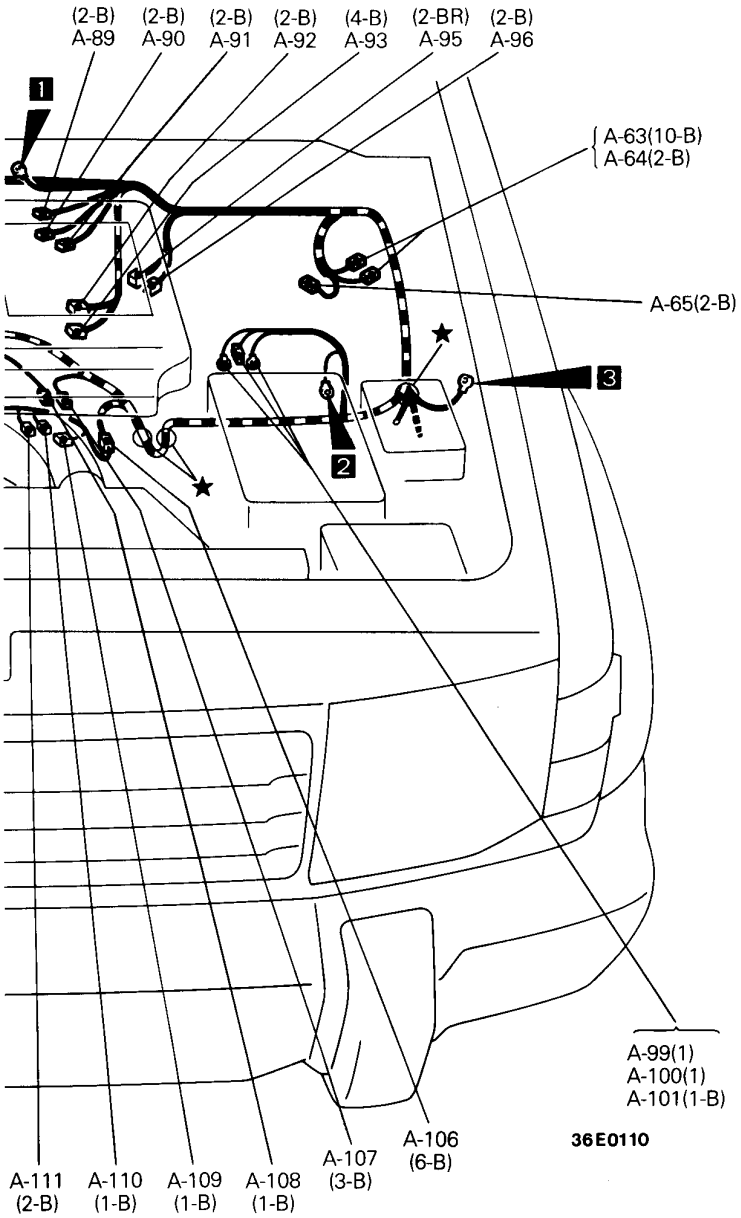
L.H. drive vehicles with 4M40 engine

Connector symbol
A -62 thru -116



A-62	Auto-cruise control actuator
A-63, A-64	Hydraulic unit
A-65	Idle up solenoid valve <ABS>
A-66 thru A-70	—
A-71	Glow plug
A-72 thru A-88	—
A-89	EGR solenoid valve I
A-90	EGR solenoid valve II
A-91	Supercharging pressure relief solenoid valve
A-92	Water level switch
A-93	Fuel line heater or no connection
A-94	Idle up solenoid valve <A/C>
A-95	Intake air temperature switch
A-96	Intercooler fan motor
A-97	—
A-98	—

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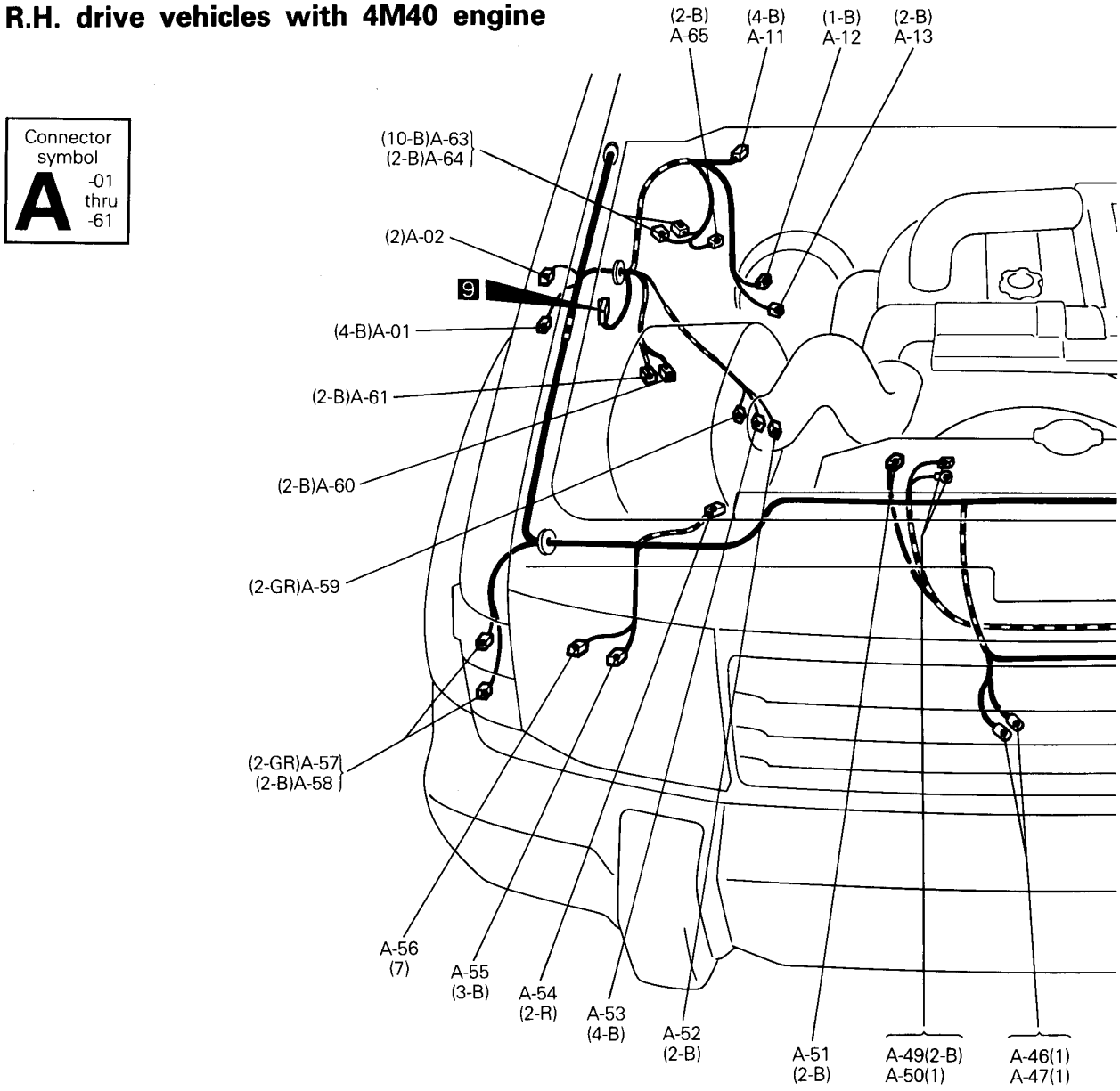


A-99 A-100 A-101	Glow plug relay
A-102	—
A-103	—
A-104	Engine coolant temperature gauge unit
A-105	Engine coolant temperature switch <A/T>
A-106	Fuel injection pump wiring harness and control wiring harness combination
A-107	Lever position sensor
A-108	Lever position switch <A/T> or short connector <M/T>
A-109	Fuel cut solenoid valve
A-110	Timer solenoid valve
A-111	Rotation sensor
A-112	—
A-113	Engine coolant temperature sensor
A-114	Engine coolant temperature switch (for A/C compressor control)
A-115	—
A-116	Engine coolant temperature switch (for condenser fan motor control)

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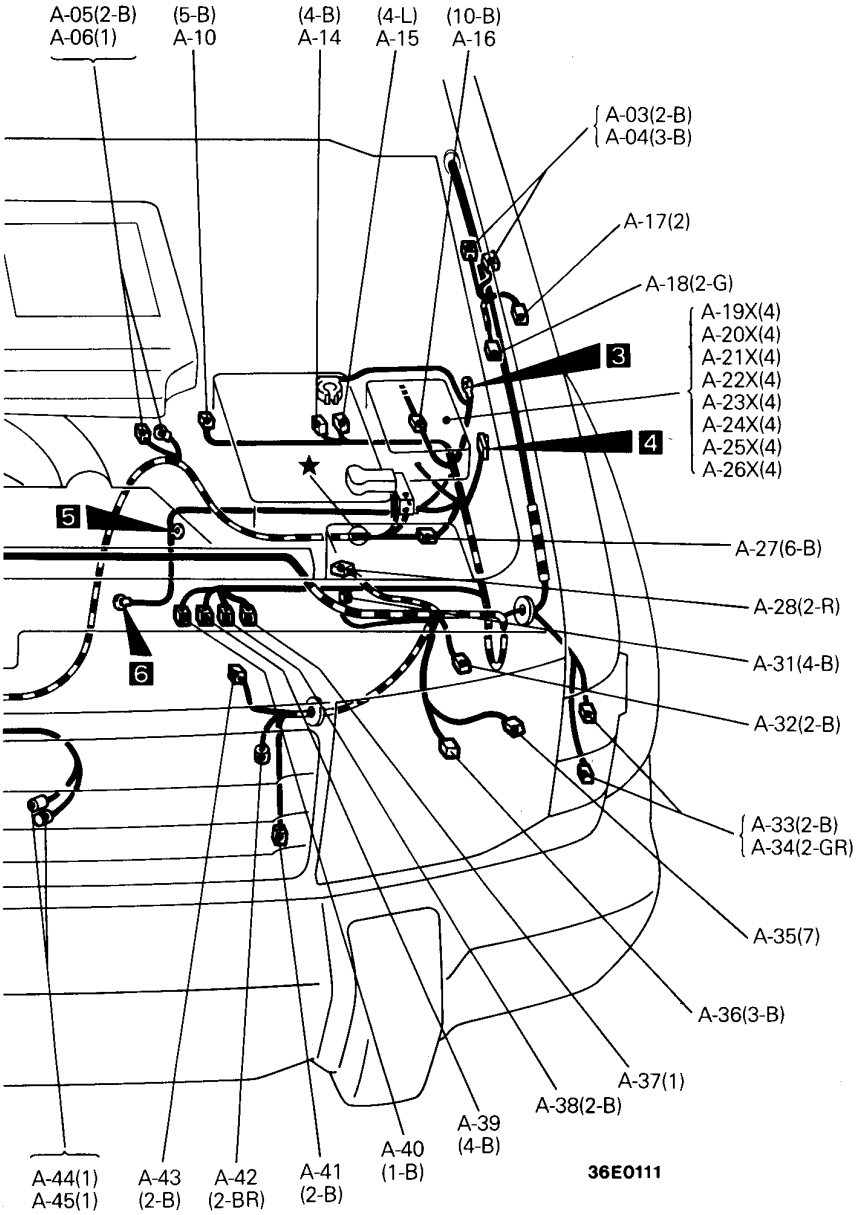
R.H. drive vehicles with 4M40 engine



A-01	Headlamp washer motor and headlamp washer fluid level sensor
A-02	Side turn signal lamp (RH)
A-03, A-04	Motor antenna
A-05, A-06	Starter
A-07	—
A-08	—
A-09	—
A-10	Starter relay
A-11	Windshield wiper motor
A-12	Vacuum switch
A-13	Brake fluid level switch
A-14	A/C compressor capacity control relay
A-15	Condenser fan motor control relay
A-16	Control wiring harness and front wiring harness combination
A-17	Side turn signal lamp (LH)
A-18	Windshield washer motor
A-19X thru A-26X	Refer to centralized junction
A-27	Battery cable and front wiring harness combination
A-28	Front impact sensor (LH) <SRS>
A-29	—
A-30	—
A-31	Horn relay <Vehicles with SRS>
A-32	Resistor <for dim-dip lamp circuit>
A-33, A-34	Front combination lamp (LH)

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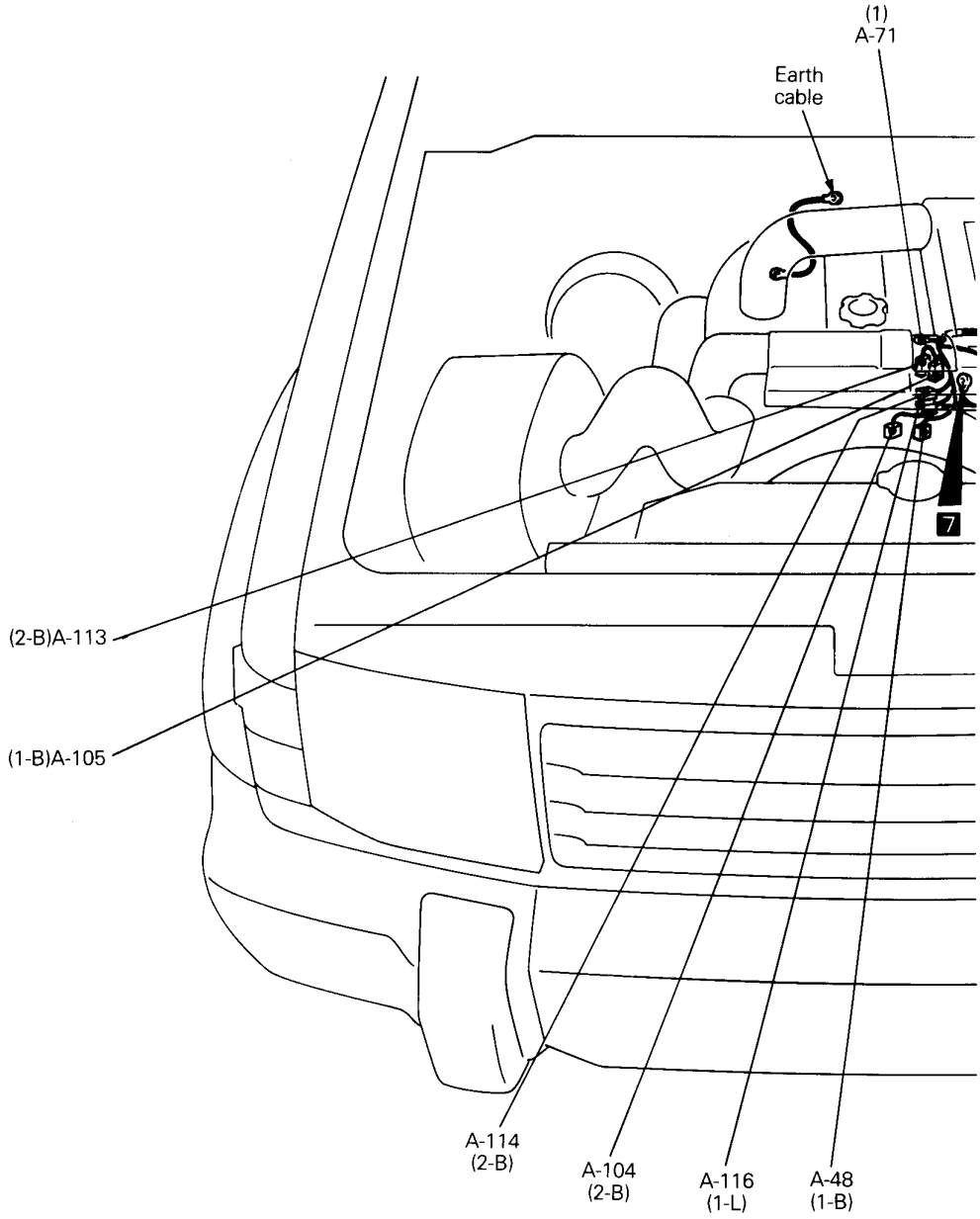


A-35	Headlamp leveling unit (LH)
A-36	Headlamp (LH)
A-37	A/C compressor capacity control solenoid valve
A-38	Speed sensor (Front: LH) <ABS>
A-39	Shock absorber (Front: LH) <Remote controlled variable shock absorber>
A-40	Magnetic clutch <A/C>
A-41	Thermo sensor (outside air) <Multi-meter>
A-42	Dual pressure switch
A-43	Condenser fan motor
A-44 A-45	Horn (LO)
A-46 A-47	Horn (HI)
A-48	Oil pressure switch
A-49 A-50	Alternator
A-51	Engine oil level sensor
A-52	Speed sensor (Front: RH) <ABS>
A-53	Shock absorber (Front: RH) <Remote controlled variable shock absorber>
A-54	Front impact sensor (RH) <SRS>
A-55	Headlamp (RH)
A-56	Headlamp leveling unit (RH)
A-57 A-58	Front combination lamp (RH)
A-59	Free wheel engage switch
A-60	Solenoid valve A <Super select 4WD>
A-61	Solenoid valve B <Super select 4WD>

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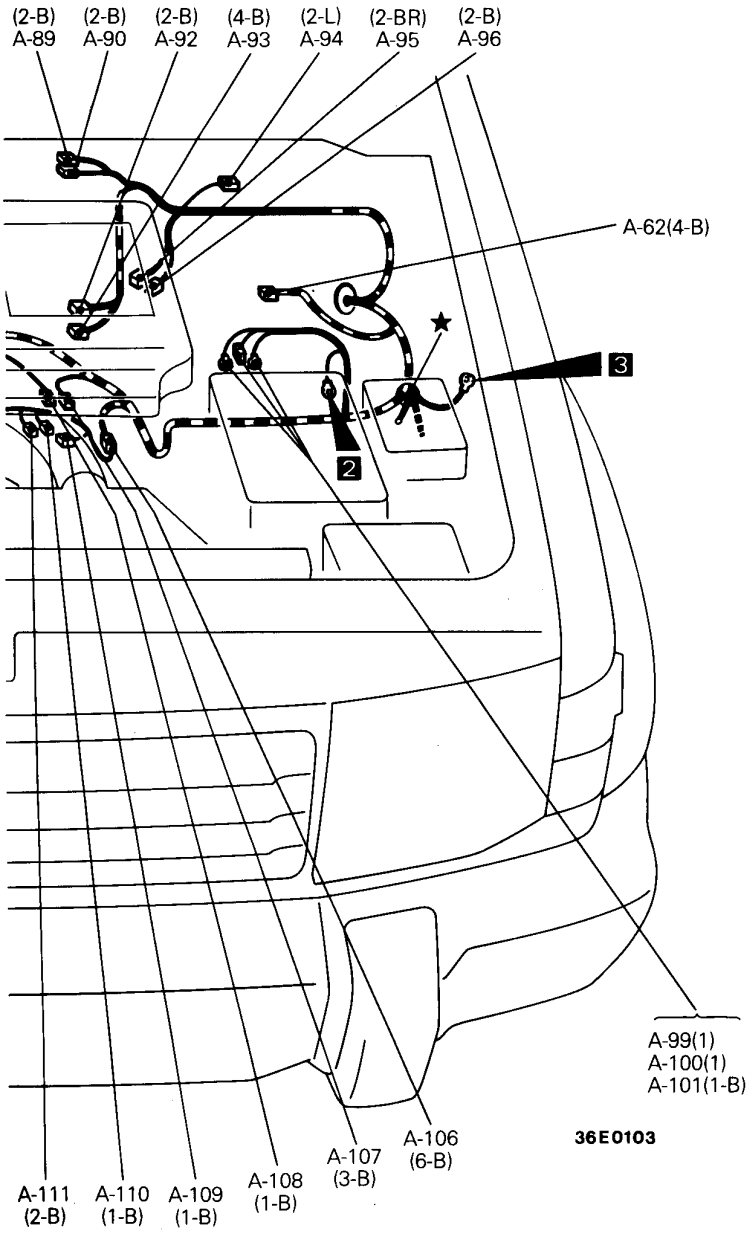
R.H. drive vehicles with 4M40 engine

Connector symbol
A -62 thru -116



A-62	Auto-cruise control actuator
A-63, A-64	Hydraulic unit
A-65	Idle up solenoid valve <ABS>
A-66 thru A-70	—
A-71	Glow plug
A-72 thru A-88	—
A-89	EGR solenoid valve I
A-90	EGR solenoid valve II
A-91	—
A-92	Water level switch
A-93	Fuel line heater or no connection
A-94	Idle up solenoid valve <A/C>
A-95	Intake air temperature switch
A-96	Intercooler fan motor
A-97	—
A-98	—

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A-99 A-100 A-101	Glow plug relay	A-109	Fuel cut solenoid valve
A-102	—	A-110	Timer solenoid valve
A-103	—	A-111	Rotation sensor
A-104	Engine coolant temperature gauge unit	A-112	—
A-105	Engine coolant temperature switch <A/T>	A-113	Engine coolant temperature sensor
A-106	Fuel injection pump wiring harness and control wiring harness combination	A-114	Engine coolant temperature switch (for A/C compressor control)
A-107	Lever position sensor	A-115	—
A-108	Lever position switch <A/T>or short connector <M/T>	A-116	Engine coolant temperature switch (for condenser fan motor control)

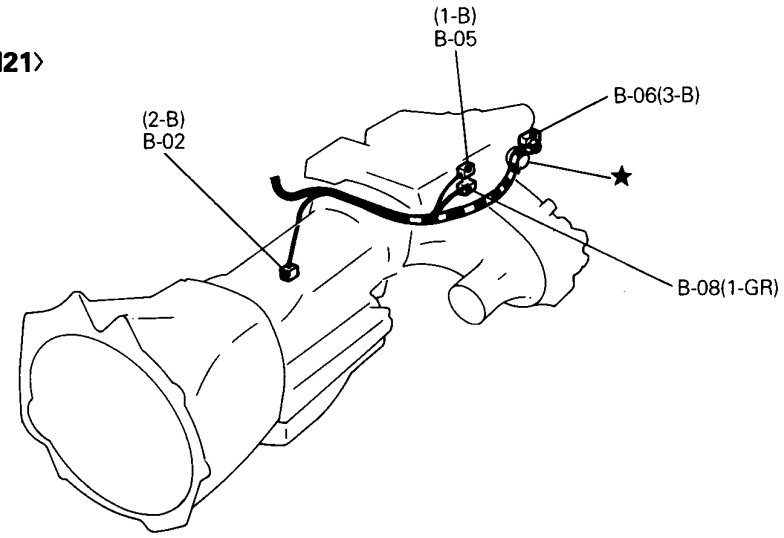
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TRANSMISSION

PART TIME 4WD

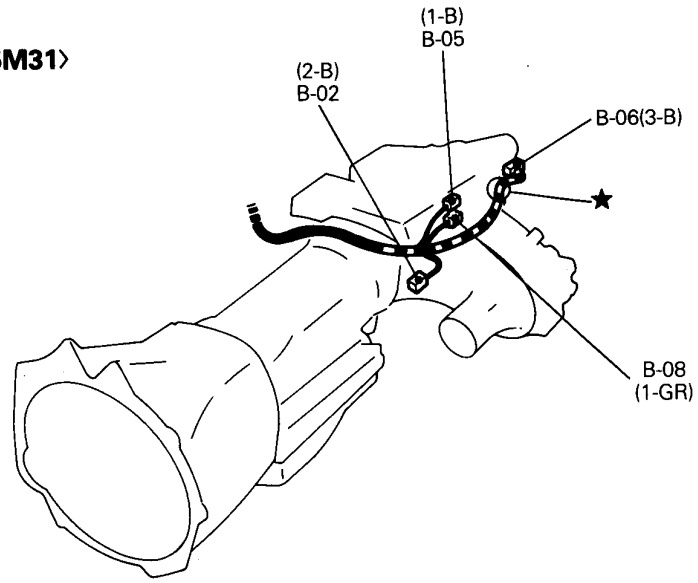
Connector symbol
B

〈V5MT1, V5M21〉



36E0096

〈V5M31〉



36E0095

B-01	—	B-05	4WD operation detection switch
B-02	Back-up lamp switch 〈M/T〉	B-06	Vehicle speed sensor
B-03	—	B-07	—
B-04	—	B-08	High range/low range detection switch

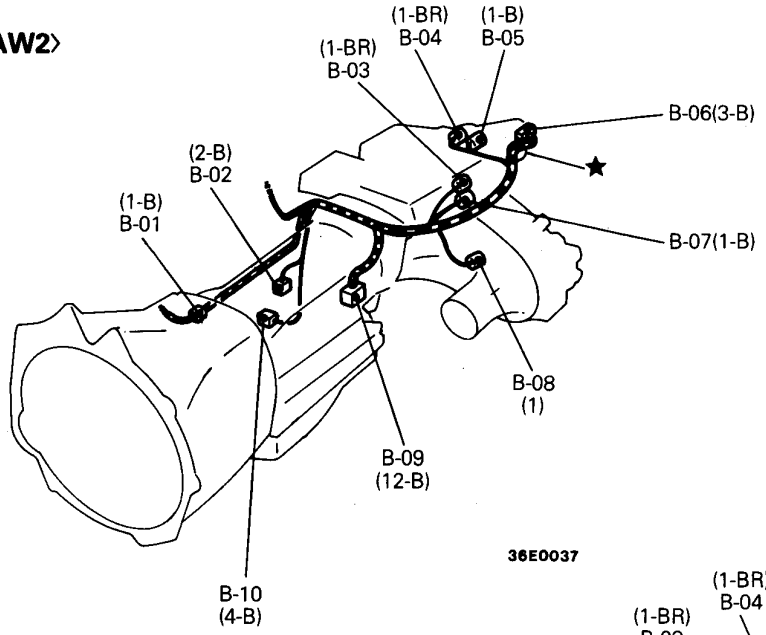
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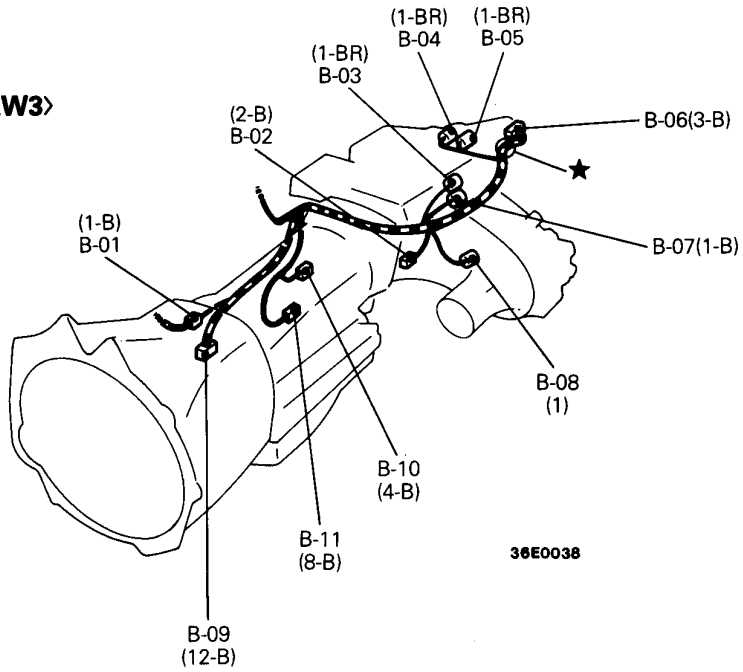
SUPER SELECT 4WD

Connector symbol
B

〈V5MT1, V4AW2〉



〈V5M31, V4AW3〉



B-01	Battery cable and transmisson wiring harness combination 〈Petrol-powered vehicles〉	B-06	Vehicle speed sensor
B-02	Back-up lamp switch 〈M/T〉	B-07	2WD/4WD detection switch
B-03	Center differential lock detection switch	B-08	High range/low range detection switch
B-04	Center differential lock operation detection switch	B-09	Inhibitor switch 〈A/T〉
B-05	4WD operation detection switch	B-10	Oxygen sensor 〈Petrol-powered vehicles〉
		B-11	Solenoid assembly 〈V4AW3〉

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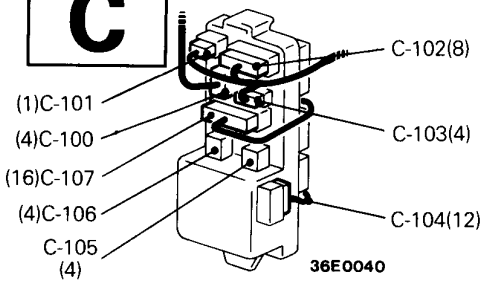
DASH PANEL

L.H. drive vehicles

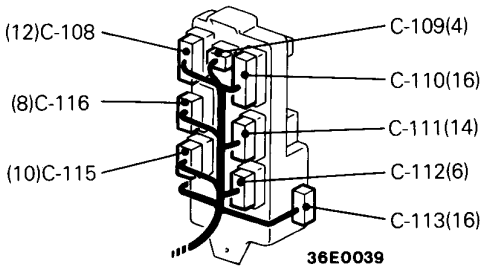
Connector symbol **C**

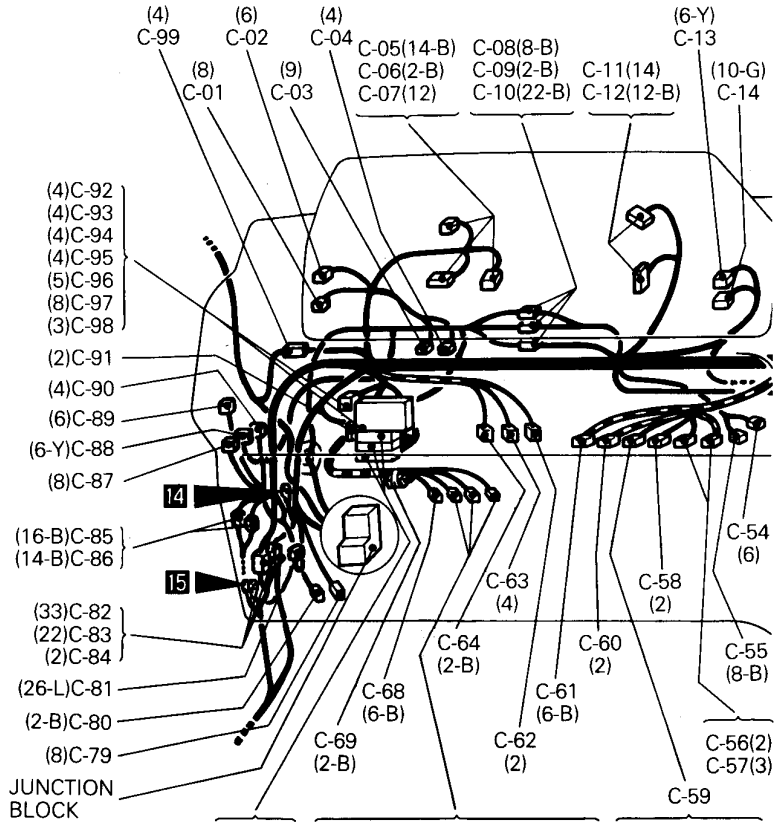
JUNCTION BLOCK

〈Front side view〉



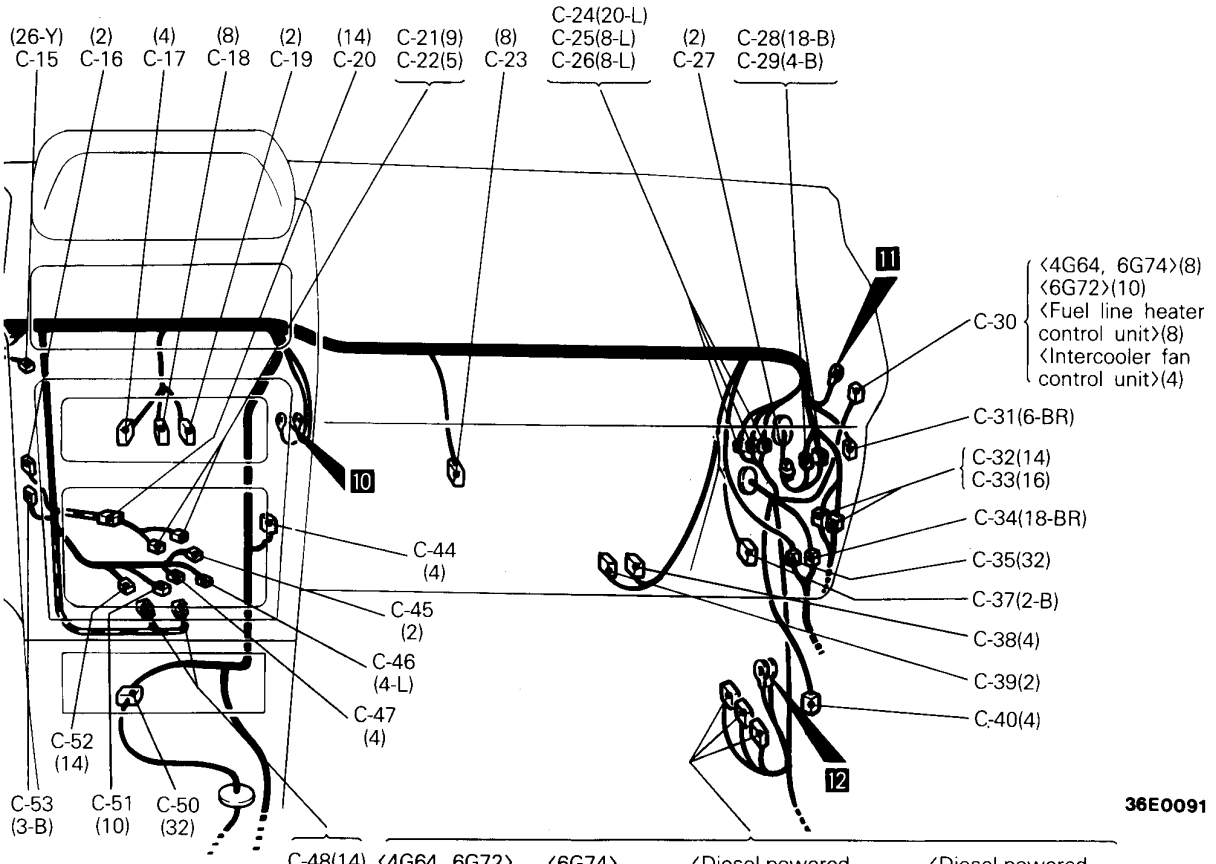
〈Rear side view〉





C-01 Auto-cruise control main switch
C-02 Rear fog lamp switch
C-03 Remote controlled mirror switch
C-04 Rheostat or jumper connector
C-05, C-06, C-07 Combination meter
C-08, C-09, C-10 Front wiring harness and dash wiring harness combination
C-11, C-12 Combination meter
C-13 Defogger switch
C-14 Hazard switch
C-15 Auto-cruise control unit or spare connector
C-16 Kickdown switch
C-17 A/C switch
C-18 Blower switch
C-19 Blower control illumination lamp
C-20 Dash wiring harness and radio sub wiring harness combination
C-21, C-22 Radio
C-23 A/C unit
C-24, C-25, C-26 Control wiring harness and dash wiring harness combination
C-27 Diode (for super select 4WD circuit)
C-28, C-29 Front wiring harness and dash wiring harness combination
C-30 Engine control relay or fuel line heater control unit or intercooler fan control unit 〈Vehicles without fuel line heater〉
C-31 Engine oil level relay
C-32, C-33 Door wiring harness (passenger's side) and dash wiring harness combination
C-34 Control wiring harness and floor wiring harness (RH) combination
C-35 Dash wiring harness and floor wiring harness (RH) combination
C-36 —
C-37 Front speaker (RH)
C-38 Resistor (for blower motor control circuit)
C-39 Blower motor
C-40 Intercooler fan control unit 〈Vehicles with fuel line heater〉
C-41 Engine control unit or glow control unit
C-42, C-43 Engine control unit
C-44 Key cylinder illumination lamp timer
C-45 Diode (for ABS circuit)
C-46 Diode (for MPI circuit)
C-47 4WD indicator relay
C-48, C-49 SRS diagnosis unit
C-50 Transmission wiring harness and dash wiring harness combination
C-51 4WD indicator control unit
C-52 Motor antenna control unit
C-53 Lighting monitor buzzer
C-54 Wiper deicer switch
C-55 Motor antenna switch

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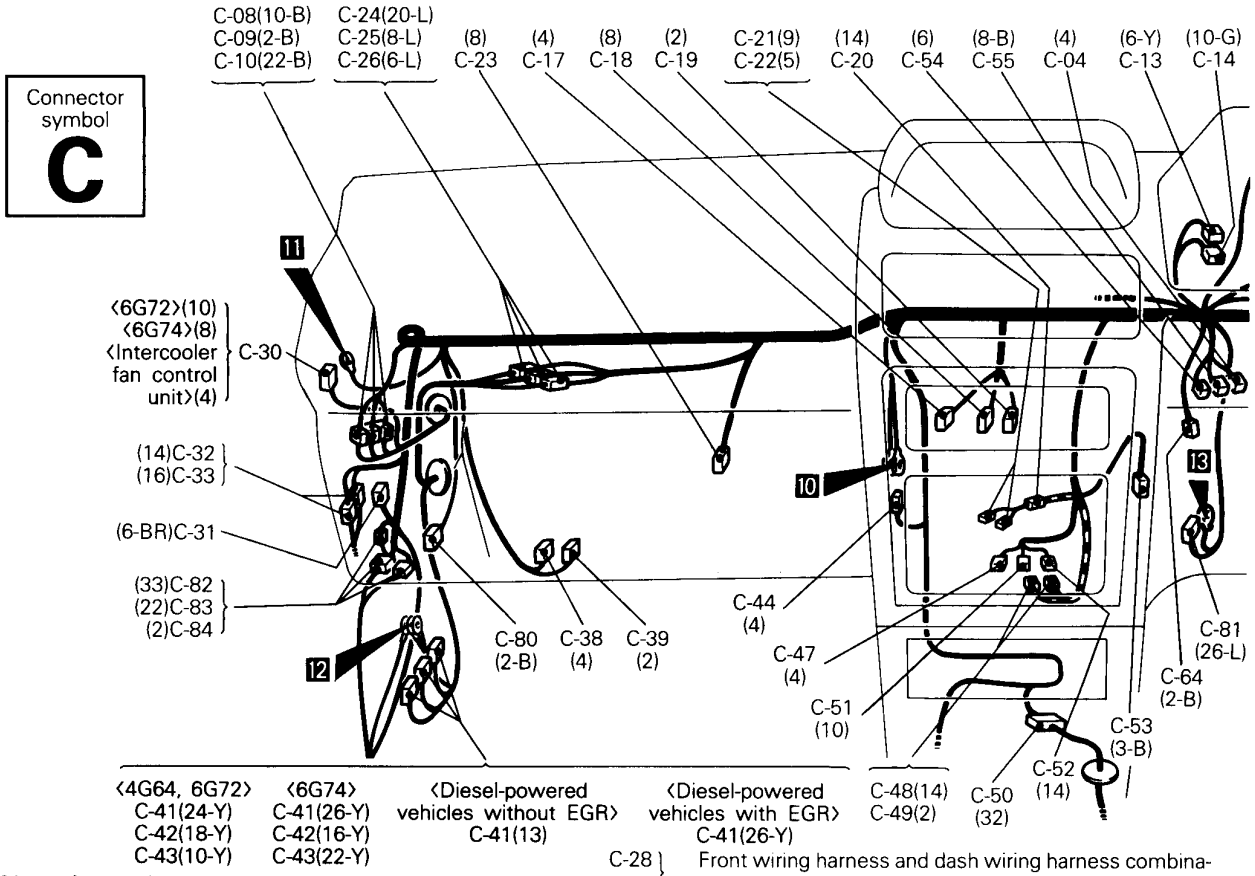


C-56, C-57	Clock spring 〈SRS〉
C-58	Thermo sensor (inside air) 〈Multi-meter〉
C-59	Steering lock switch
C-60	Auto-cruise control switch 〈Vehicles without SRS〉
C-61	Ignition switch
C-62	Stop lamp switch (2-pin) or no connection 〈Auto-cruise control〉
C-63	Stop lamp switch (4-pin) 〈Auto-cruise control〉 or no connection
C-64	Clutch switch
C-65, C-66, C-67	Column switch
C-68	Headlamp leveling switch
C-69	Diode (for Headlamp circuit)
C-70 thru C-74	—
C-75	J/C (1)
C-76	J/C (2)
C-77	J/C (3)
C-78	—
C-79	Overdrive control relay
C-80	Front speaker (LH)
C-81	ELC-4A/T control unit
C-82, C-83, C-84	Dash wiring harness and floor wiring harness (LH) combination
C-85, C-86	Door wiring harness (driver's side) and dash wiring harness combination
C-87	Door lock control unit
C-88	Headlamp washer relay
C-89	Wiper deicer timer
C-90	Wiper deicer relay
C-91	Dedicated fuse No. ⑨
C-92X thru C-98X	Refer to centralized junction
C-99	Roof wiring harness and dash wiring harness combination
C-100	Roof wiring harness and junction block combination
C-101, C-102, C-103	Front wiring harness and junction block combination
C-104	Diagnosis connector
C-105	Blower relay
C-106	Accessory socket relay
C-107 thru C-112	Dash wiring harness and junction block combination
C-113	Diagnosis connector
C-114	Jumper connector
C-115, C-116	Dash wiring harness and junction block combination

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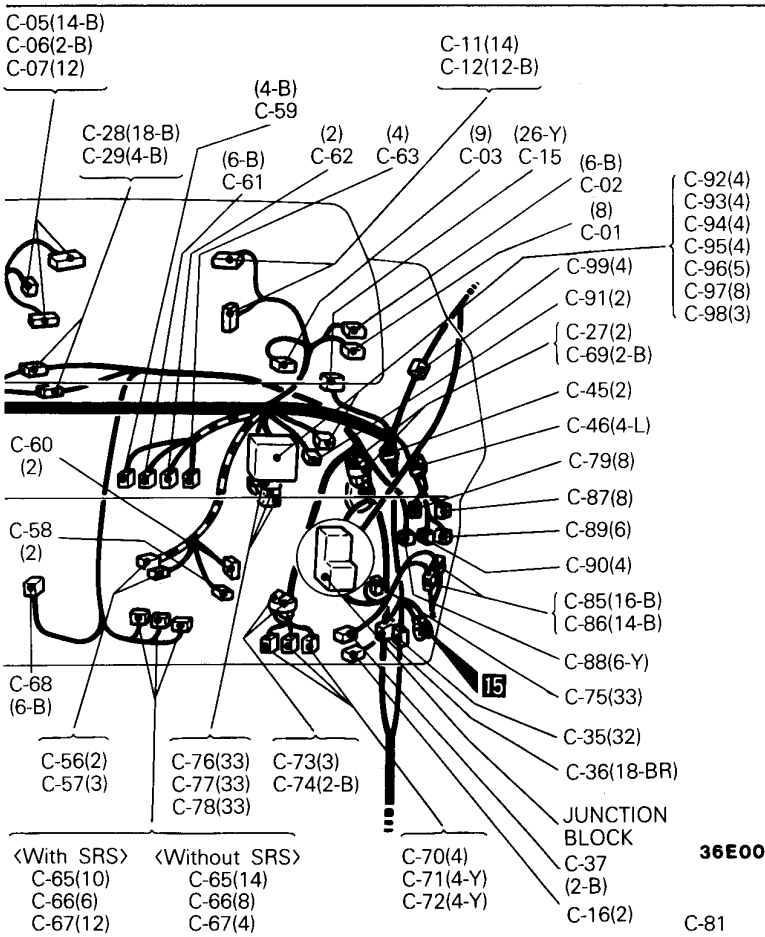
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R.H. drive vehicles



C-01	Auto-cruise control main switch
C-02	Rear fog lamp switch
C-03	Remote controlled mirror switch
C-04	Rheostat or jumper connector
C-05, C-06, C-07	Combination meter
C-08, C-09, C-10	Front wiring harness and dash wiring harness combination
C-11, C-12	Combination meter
C-13	Defogger switch
C-14	Hazard switch
C-15	Auto-cruise control unit or spare connector
C-16	Kickdown switch
C-17	A/C switch
C-18	Blower switch
C-19	Blower control illumination lamp
C-20	Dash wiring harness and radio sub wiring harness combination
C-21, C-22	Radio
C-23	A/C unit
C-24, C-25, C-26	Control wiring harness and dash wiring harness combination
C-27	Diode (for super select 4WD circuit)
C-28, C-29	Front wiring harness and dash wiring harness combination
C-30	Engine control relay or intercooler fan control unit
C-31	Engine oil level relay
C-32, C-33	Door wiring harness (passenger's side) and dash wiring harness combination
C-34	—
C-35	Dash wiring harness and floor wiring harness (RH) combination
C-36	Front wiring harness and floor wiring harness (RH) combination
C-37	Front speaker (RH)
C-38	Resistor (for blower motor control circuit)
C-39	Blower motor
C-40	Intercooler control unit 〈Vehicles with fuel line heater〉
C-41	Engine control unit or glow control unit
C-42	Engine control unit
C-43	Engine control unit
C-44	Key cylinder illumination lamp timer
C-45	Diode (for ABS circuit)
C-46	Diode (for MPI circuit)
C-47	4WD indicator relay
C-48, C-49	SRS diagnosis unit
C-50	Transmission wiring harness and dash wiring harness combination
C-51	4WD indicator control unit
C-52	Motor antenna control unit
C-53	Lighting monitor buzzer

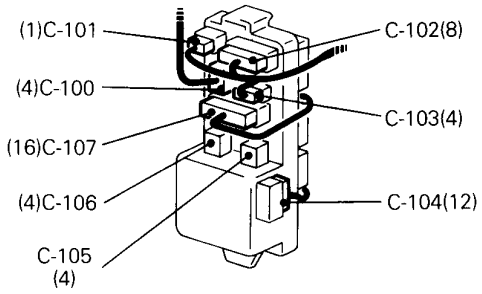
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〈With SRS〉 C-65(10), C-66(6), C-67(12)
〈Without SRS〉 C-65(14), C-66(8), C-67(4)

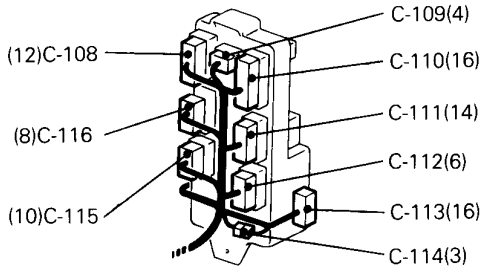
JUNCTION BLOCK

〈Front side view〉



36E0040

〈Rear side view〉



36E0090 36E0050

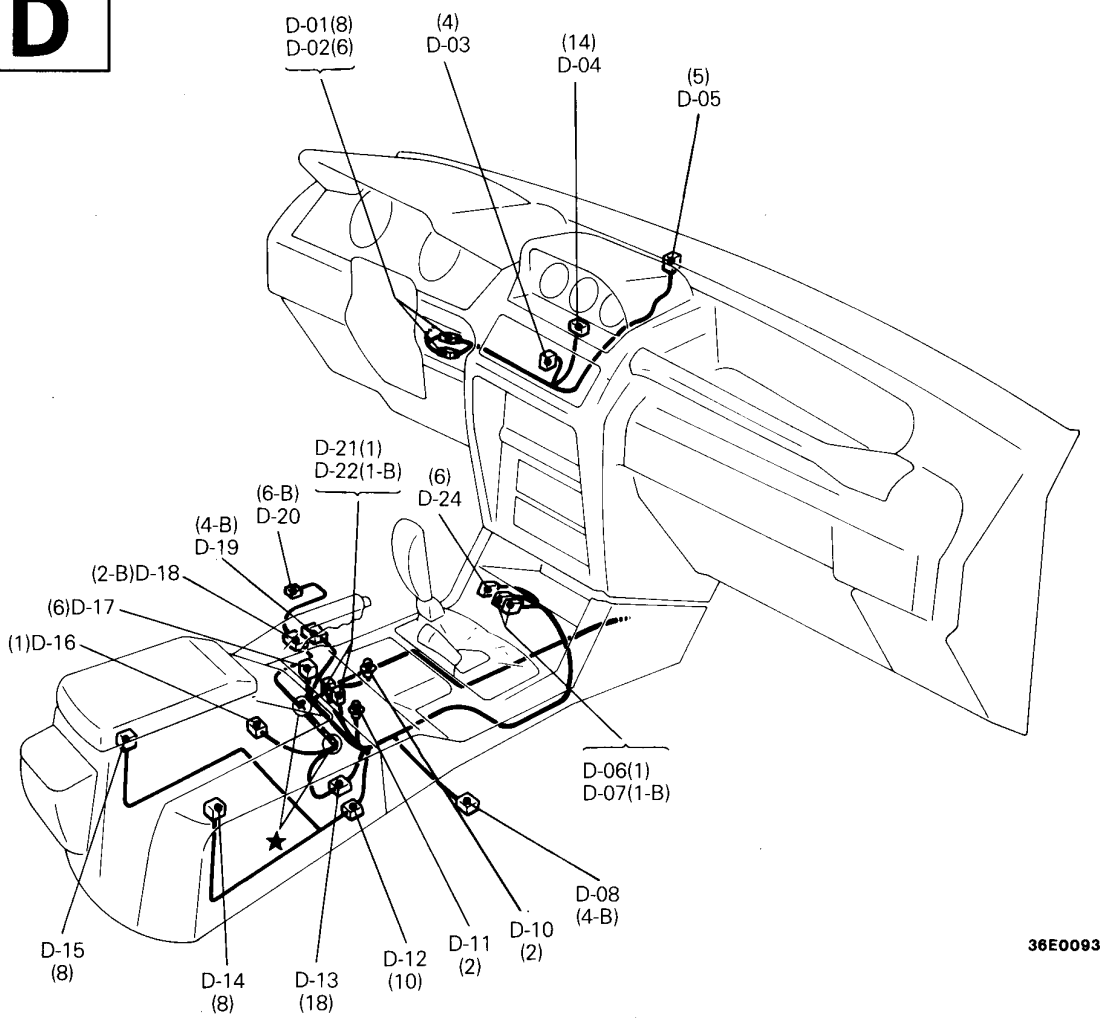
C-54	Wiper deicer switch
C-55	Motor antenna switch
C-56, C-57	Clock spring 〈SRS〉
C-58	Thermo sensor (inside air) 〈Multi-meter〉
C-59	Steering lock switch
C-60	Auto-cruise control switch 〈Vehicles without SRS〉
C-61	Ignition switch
C-62	Stop lamp switch (2-pin) or no connection 〈Auto-cruise control〉
C-63	Stop lamp switch (4-pin) 〈Auto-cruise control〉 or no connection
C-64	Clutch switch
C-65, C-66, C-67	Column switch
C-68	Headlamp leveling switch
C-69	Diode (for Headlamp circuit)
C-70	Dim-dip lamp relay 1
C-71	Dim-dip lamp relay 2
C-72	Dim-dip lamp relay 3
C-73, C-74	Diode (for dim-dip lamp circuit)
C-75	J/C (1)
C-76	J/C (2)
C-77	J/C (3)
C-78	J/C (4)
C-79	Overdrive control relay
C-80	Front speaker (LH)
C-81	ELC-4A/T control unit
C-82, C-83, C-84	Dash wiring harness and floor wiring harness (LH) combination
C-85, C-86	Door wiring harness (driver's side) and dash wiring harness combination
C-87	Door lock control unit
C-88	Headlamp washer relay
C-89	Wiper deicer timer
C-90	Wiper deicer relay
C-91	Dedicated fuse No. ⑨
C-92X thru C-98X	Refer to centralized junction
C-99	Roof wiring harness and dash wiring harness combination
C-100	Roof wiring harness and junction block combination
C-101, C-102, C-103	Front wiring harness and junction block combination
C-104	Diagnosis connector
C-105	Blower relay
C-106	Accessory socket relay
C-107 thru C-112	Dash wiring harness and junction block combination
C-113	Diagnosis connector
C-114	Jumper connector
C-115, C-116	Dash wiring harness and junction block combination

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INSTRUMENT PANEL AND FLOOR CONSOLE

L.H. drive vehicles 〈M/T〉

Connector symbol **D**



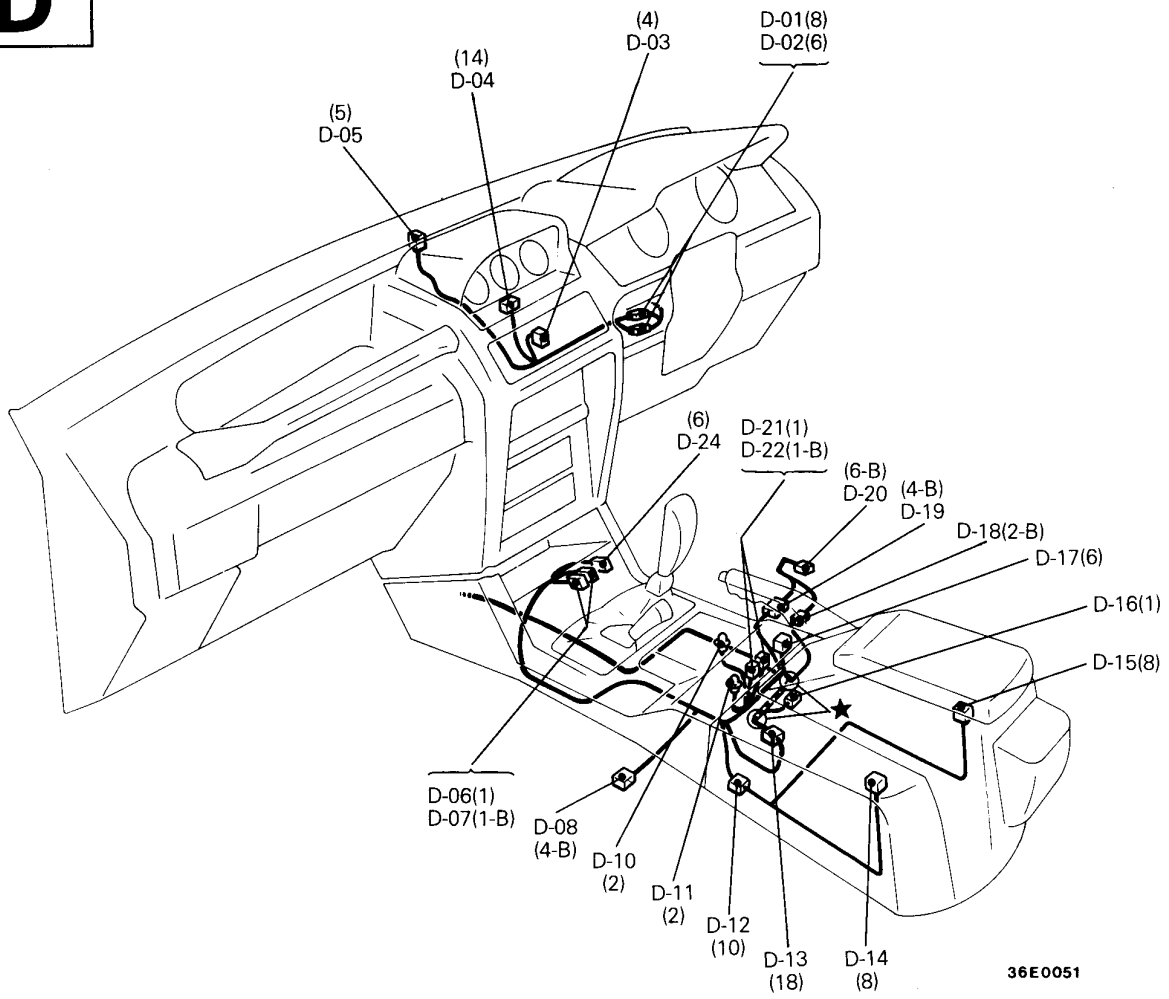
D-01, D-02	Instrument panel wiring harness and dash wiring harness combination	D-14	Heated seat switch (Passenger's side)
D-03	Clock	D-15	Heated seat switch (Driver's side)
D-04	Multi-meter	D-16	Parking brake switch
D-05	Geomagnetic sensor	D-17	Rear blower main switch
D-06, D-07	Accessory socket	D-18	Power seat wiring harness and dash wiring harness combination
D-08	Front seat assembly (Passenger's side) 〈Heated seat〉	D-19	Front seat assembly (Driver's side) 〈Heated seat〉 or power seat wiring harness and console wiring harness combination
D-09	—		
D-10	Ashtray illumination lamp		
D-11	Cigarette lighter illumination lamp	D-20	Front seat assembly 〈Power seat〉
D-12	Rear console wiring harness and console wiring harness combination	D-21, D-22	Cigarette lighter
D-13	Console wiring harness and dash wiring harness combination	D-23	—
		D-24	Rear differential lock switch

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R.H. drive vehicles 〈M/T〉

Connector symbol **D**



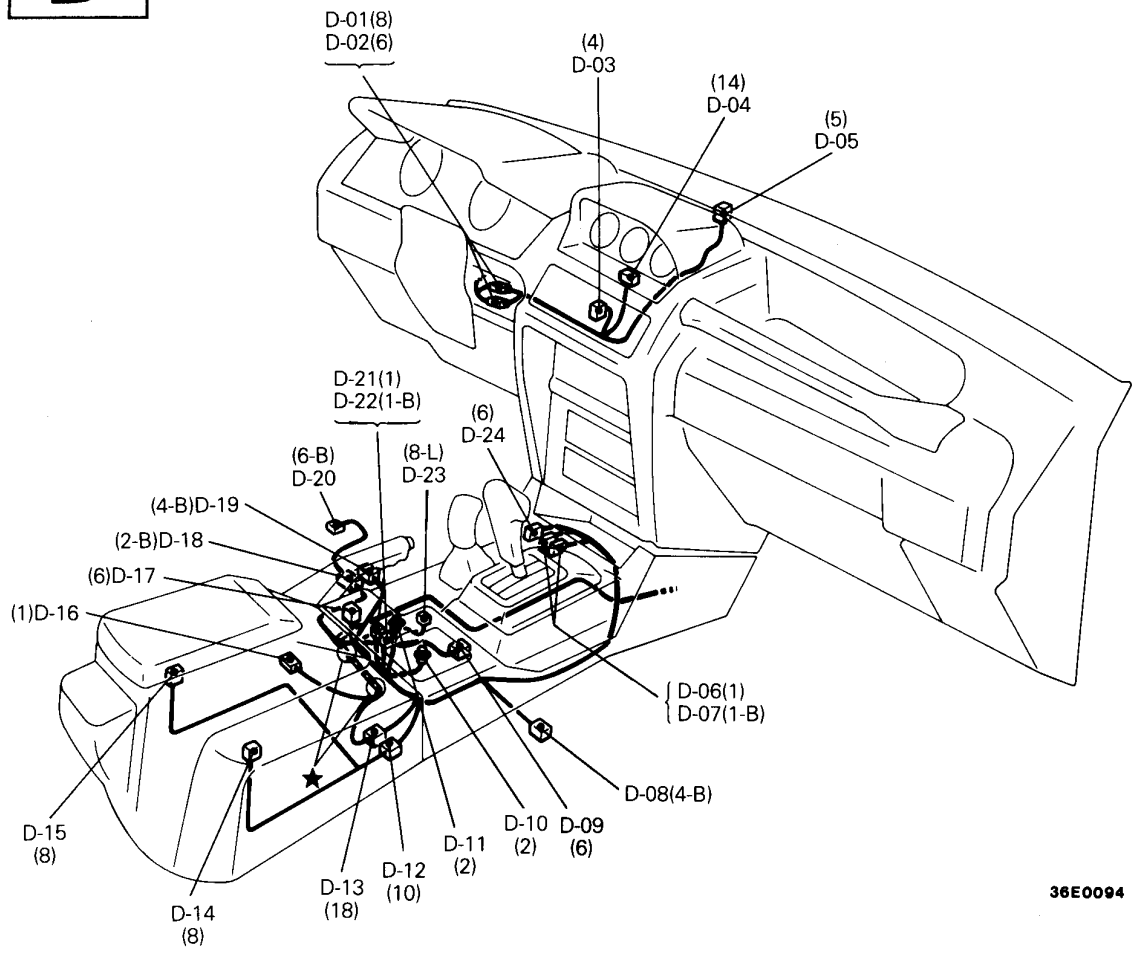
D-01, D-02	Instrument panel wiring harness and dash wiring harness combination	D-14	Heated seat switch (Passenger's side)
D-03	Clock	D-15	Heated seat switch (Driver's side)
D-04	Multi-meter	D-16	Parking brake switch
D-05	Geomagnetic sensor	D-17	Rear blower main switch
D-06, D-07	Accessory socket	D-18	Power seat wiring harness and dash wiring harness combination
D-08	Front seat assembly (Passenger's side) 〈Heated seat〉	D-19	Front seat assembly (Driver's side) 〈Heated seat〉 or power seat wiring harness and console wiring harness combination
D-09	—		
D-10	Ashtray illumination lamp		
D-11	Cigarette lighter illumination lamp	D-20	Front seat assembly 〈Power seat〉
D-12	Rear console wiring harness and console wiring harness combination	D-21, D-22	Cigarette lighter
D-13	Console wiring harness and dash wiring harness combination	D-23	—
		D-24	Rear differential lock switch

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L.H. drive vehicles <A/T>

Connector symbol **D**



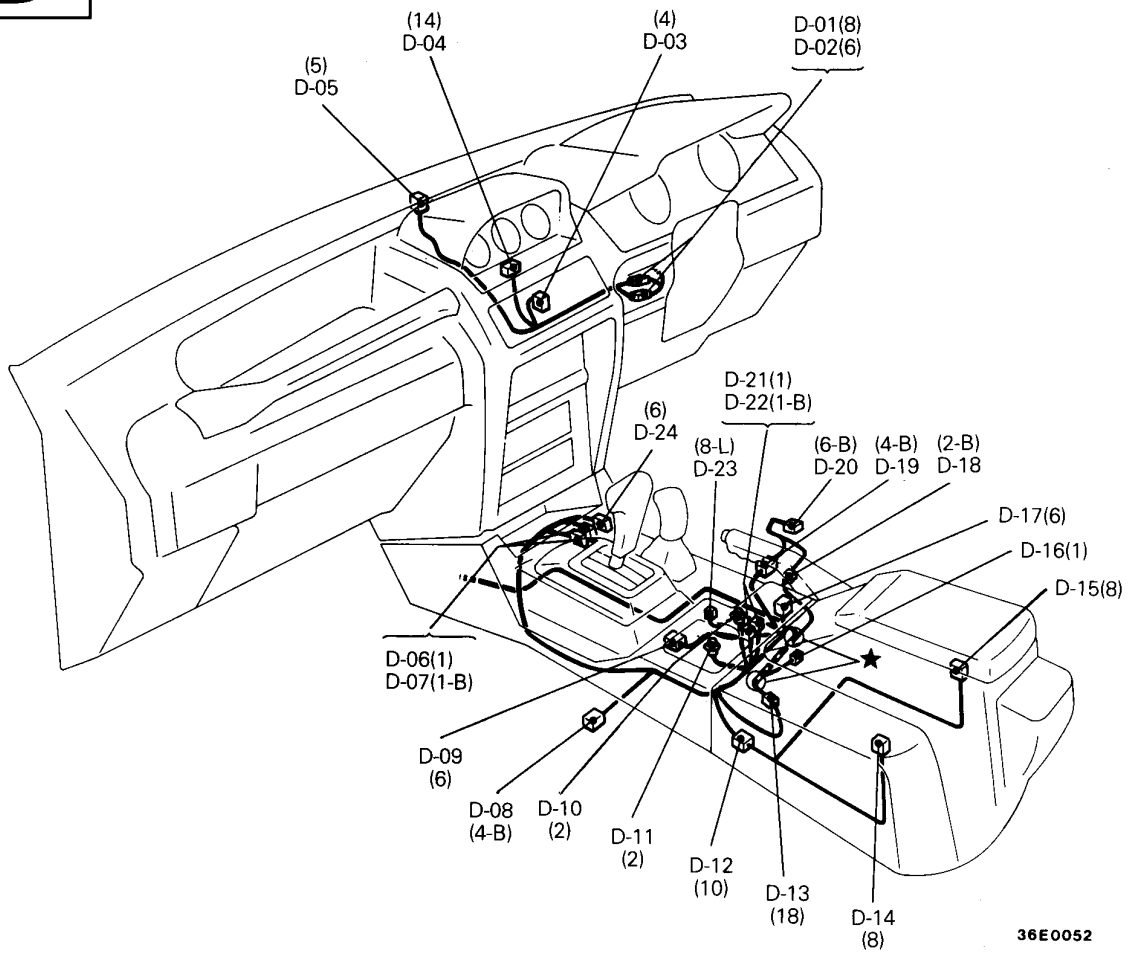
D-01, D-02	Instrument panel wiring harness and dash wiring harness combination	D-14	Heated seat switch (Passenger's side)
D-03	Clock	D-15	Heated seat switch (Driver's side)
D-04	Multi-meter	D-16	Parking brake switch
D-05	Geomagnetic sensor	D-17	Rear blower main switch
D-06, D-07	Accessory socket	D-18	Power seat wiring harness and dash wiring harness combination
D-08	Front seat assembly (Passenger's side) <Heated seat>	D-19	Front seat assembly (Driver's side) <Heated seat> or power seat wiring harness and console wiring harness combination
D-09	Overdrive switch		
D-10	Ashtray illumination lamp		
D-11	Cigarette lighter illumination lamp	D-20	Front seat assembly <Power seat>
D-12	Rear console wiring harness and console wiring harness combination	D-21, D-22	Cigarette lighter
D-13	Console wiring harness and dash wiring harness combination	D-23	Power/Hold changeover switch <ELC-4A/T>
		D-24	Rear differential lock switch

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R.H. drive vehicles <A/T>

Connector symbol **D**

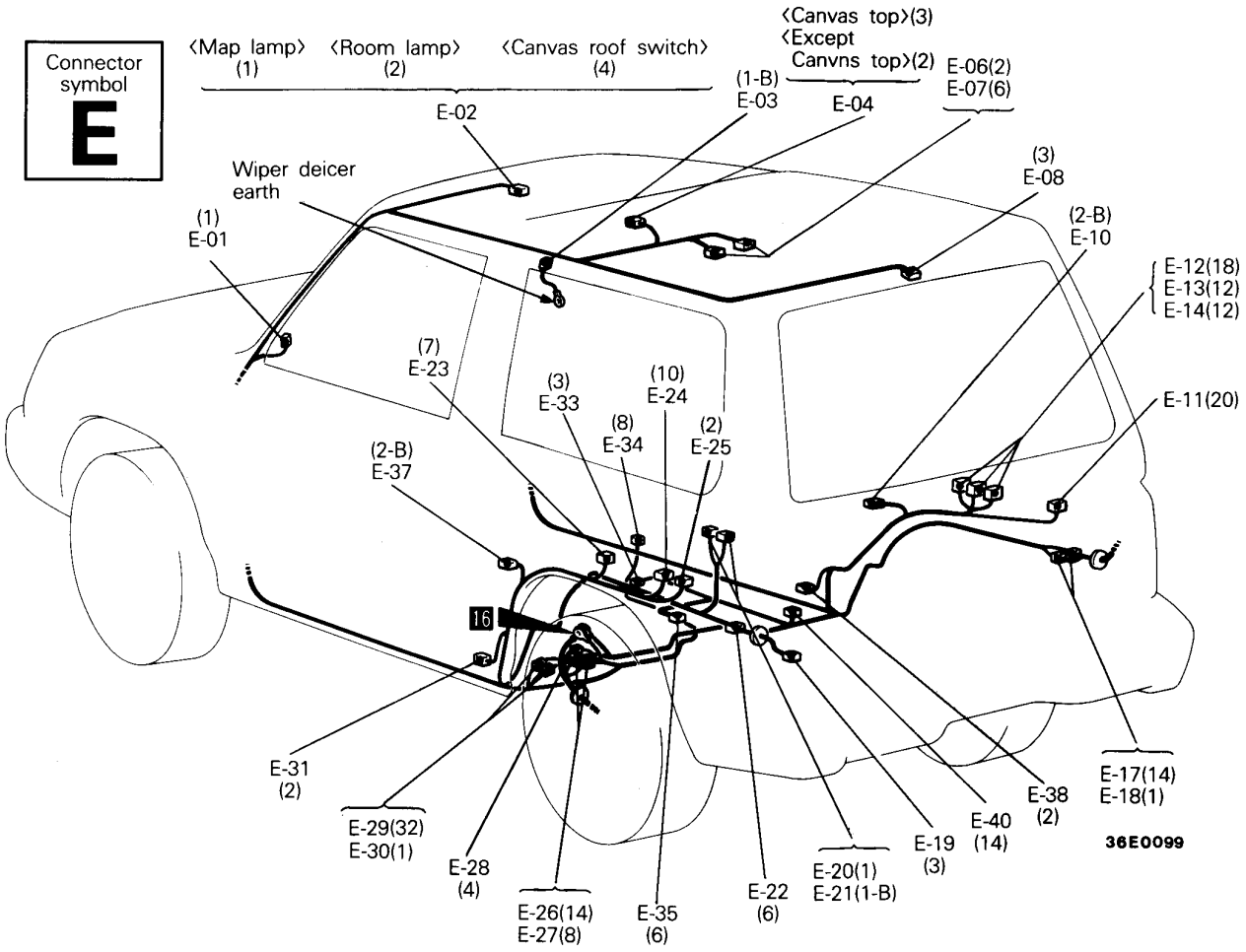


D-01, D-02	Instrument panel wiring harness and dash wiring harness combination	D-14	Heated seat switch (Passenger's side)
D-03	Clock	D-15	Heated seat switch (Driver's side)
D-04	Multi-meter	D-16	Parking brake switch
D-05	Geomagnetic sensor	D-17	Rear blower main switch
D-06, D-07	Accessory socket	D-18	Power seat wiring harness and dash wiring harness combination
D-08	Front seat assembly (Passenger's side) <Heated seat>	D-19	Front seat assembly (Driver's side) <Heated seat> or power seat wiring harness and console wiring harness combination
D-09	Overdrive switch		
D-10	Ashtray illumination lamp		
D-11	Cigarette lighter illumination lamp	D-20	Front seat assembly <Power seat>
D-12	Rear console wiring harness and console wiring harness combination	D-21, D-22	Cigarette lighter
D-13	Console wiring harness and dash wiring harness combination	D-23	Power/Hold changeover switch <ELC-4A/T>
		D-24	Rear differential lock switch

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FLOOR AND ROOF

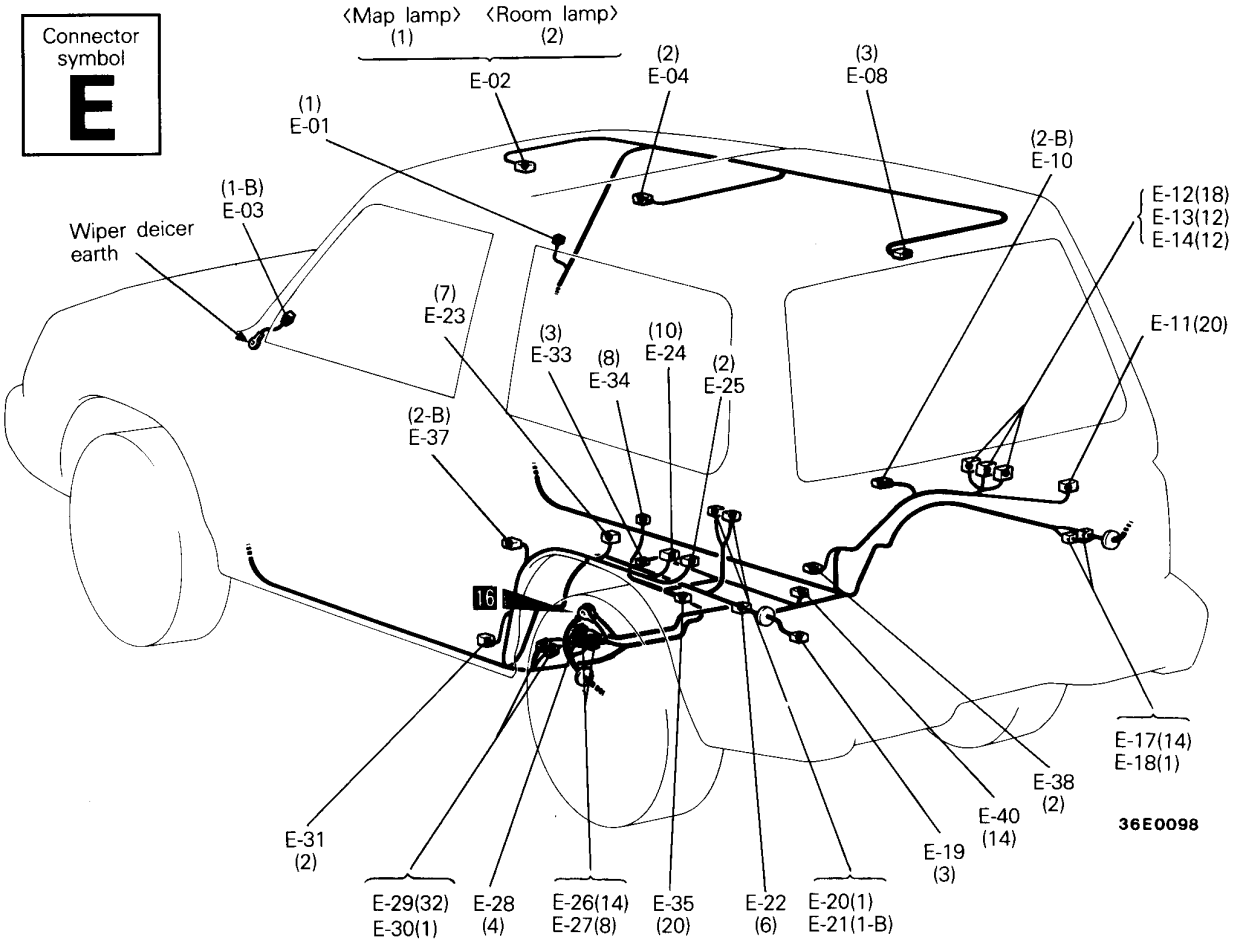
2-door models <L.H. drive vehicles>



E-01	Wiper deicer (+)
E-02	Map lamp or room lamp or canvas roof switch
E-03	Wiper deicer (−)
E-04	Room lamp
E-05	—
E-06, E-07	Folding top assembly <Canvas top>
E-08	Cargo space lamp
E-09	—
E-10	Rear speaker (RH)
E-11	No connection
E-12, E-13, E-14	ABS control unit
E-15	—
E-16	—
E-17, E-18	Back door wiring harness and floor wiring harness (RH) combination
E-19	Rear combination lamp (LH)
E-20, E-21	Accessory socket
E-22	Rear combination lamp harness and floor wiring harness (LH) combination
E-23	Variable shock absorber control unit
E-24	Rear differential lock control unit
E-25	Rear differential lock air pump
E-26, E-27	Frame wiring harness and floor wiring harness (LH) combination
E-28	Frame wiring harness and floor wiring harness (RH) combination
E-29, E-30	Floor wiring harness (LH) and floor wiring harness (RH) combination
E-31	Front door switch (LH)
E-32	—
E-33	G sensor
E-34	Variable shock absorber control switch
E-35	Rear heater control switch or rear A/C control switch <Dual A/C>
E-36	—
E-37	Rear speaker (LH)
E-38	Front door switch (RH)
E-39	—
E-40	Rear heater assembly

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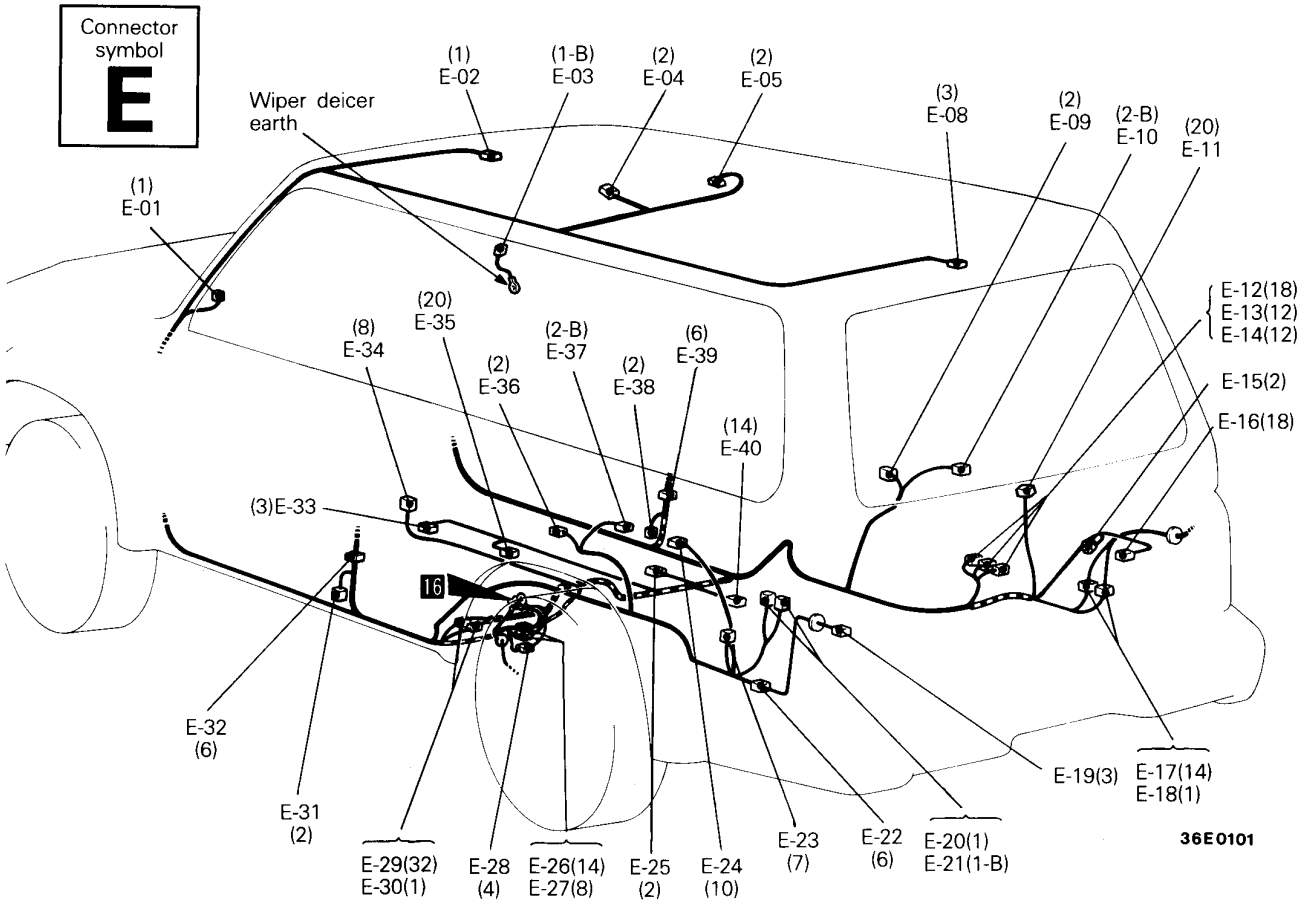
2-door models <R.H. drive vehicles>



E-01	Wiper deicer (+)
E-02	Map lamp or room
E-03	Wiper deicer (−)
E-04	Room lamp
E-05	—
E-06	—
E-07	—
E-08	Cargo space lamp
E-09	—
E-10	Rear speaker (RH)
E-11	No connection
E-12, E-13, E-14	ABS control unit
E-15	—
E-16	—
E-17, E-18	Back door wiring harness and floor wiring harness (RH) combination
E-19	Rear combination lamp (LH)
E-20, E-21	Accessory socket
E-22	Rear combination lamp harness and floor wiring harness (LH) combination
E-23	Variable shock absorber control unit
E-24	Rear differential lock control unit
E-25	Rear differential lock air pump
E-26, E-27	Frame wiring harness and floor wiring harness (LH) combination
E-28	Frame wiring harness and floor wiring harness (RH) combination
E-29, E-30	Floor wiring harness (LH) and floor wiring harness (RH) combination
E-31	Front door switch (LH)
E-32	—
E-33	G sensor
E-34	Variable shock absorber control switch
E-35	Rear heater control switch or rear A/C control switch <Dual A/C>
E-36	—
E-37	Rear speaker (LH)
E-38	Front door switch (RH)
E-39	—
E-40	Rear heater assembly

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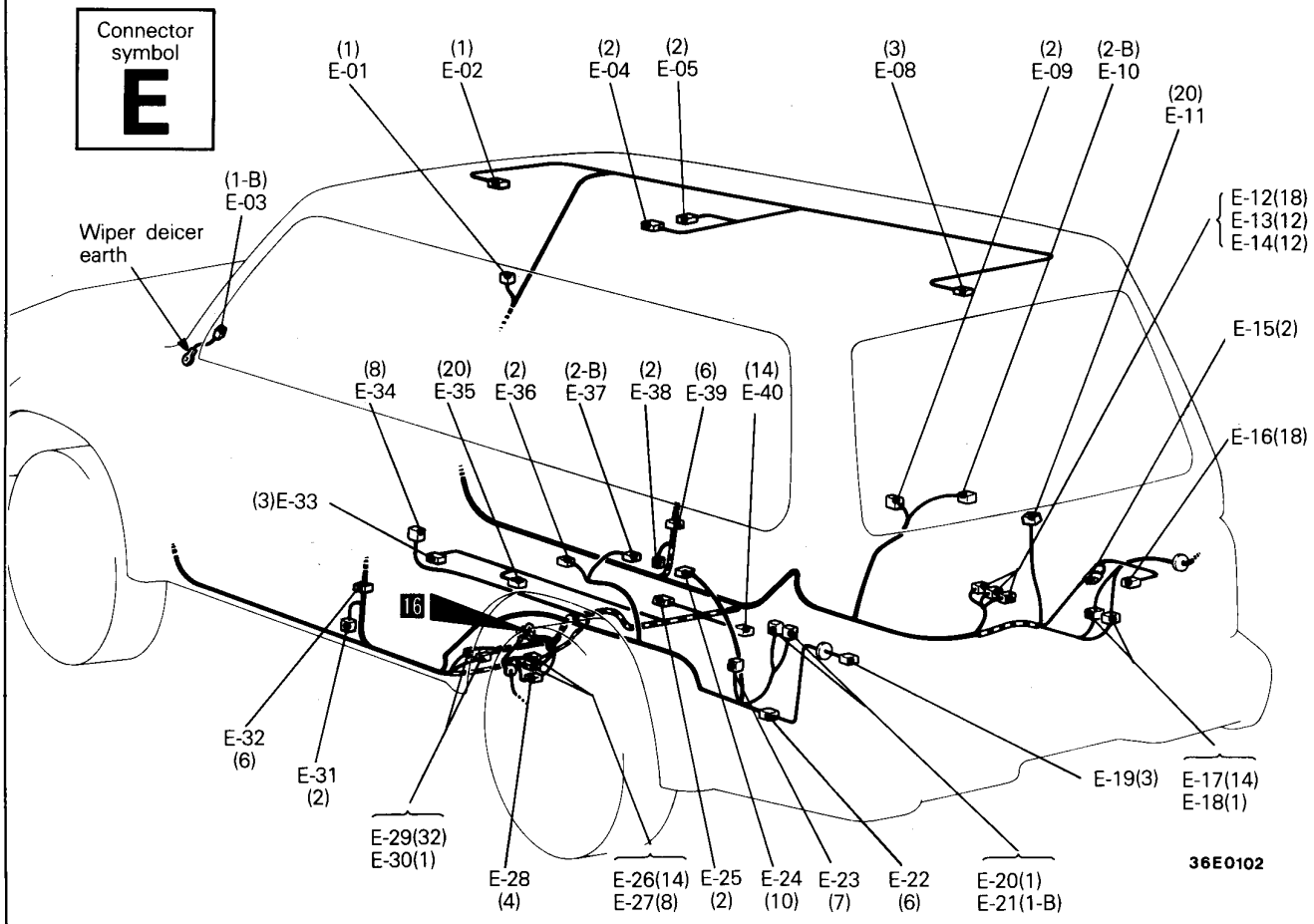
4-door models 〈L.H. drive vehicles〉



E-01	Wiper deicer (+)
E-02	Map lamp or room lamp
E-03	Wiper deicer (−)
E-04	Room lamp
E-05	Sunroof assembly
E-06	—
E-07	—
E-08	Cargo space lamp
E-09	Rear door switch (RH)
E-10	Rear speaker (RH)
E-11	No connection
E-12, E-13, E-14	ABS control unit
E-15	No connection
E-16	Rear A/C control unit
E-17, E-18	Back door wiring harness and floor wiring harness (RH) combination
E-19	Rear combination lamp (LH)
E-20, E-21	Accessory socket
E-22	Rear combination lamp harness and floor wiring harness (LH) combination
E-23	Variable shock absorber control unit
E-24	Rear differential lock control unit
E-25	Rear differential lock air pump
E-26, E-27	Frame wiring harness and floor wiring harness (LH) combination
E-28	Frame wiring harness and floor wiring harness (RH) combination
E-29, E-30	Floor wiring harness (LH) and floor wiring harness (RH) combination
E-31	Front door switch (LH)
E-32	Rear door wiring harness (LH) and floor wiring harness (LH) combination
E-33	G sensor
E-34	Variable shock absorber control switch
E-35	Rear heater control switch or rear A/C control switch 〈Dual A/C〉
E-36	Rear door switch (LH)
E-37	Rear speaker (LH)
E-38	Front door switch (RH)
E-39	Rear door wiring harness (RH) and floor wiring harness (RH) combination
E-40	Rear heater assembly

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4-door models <R.H. drive vehicles>



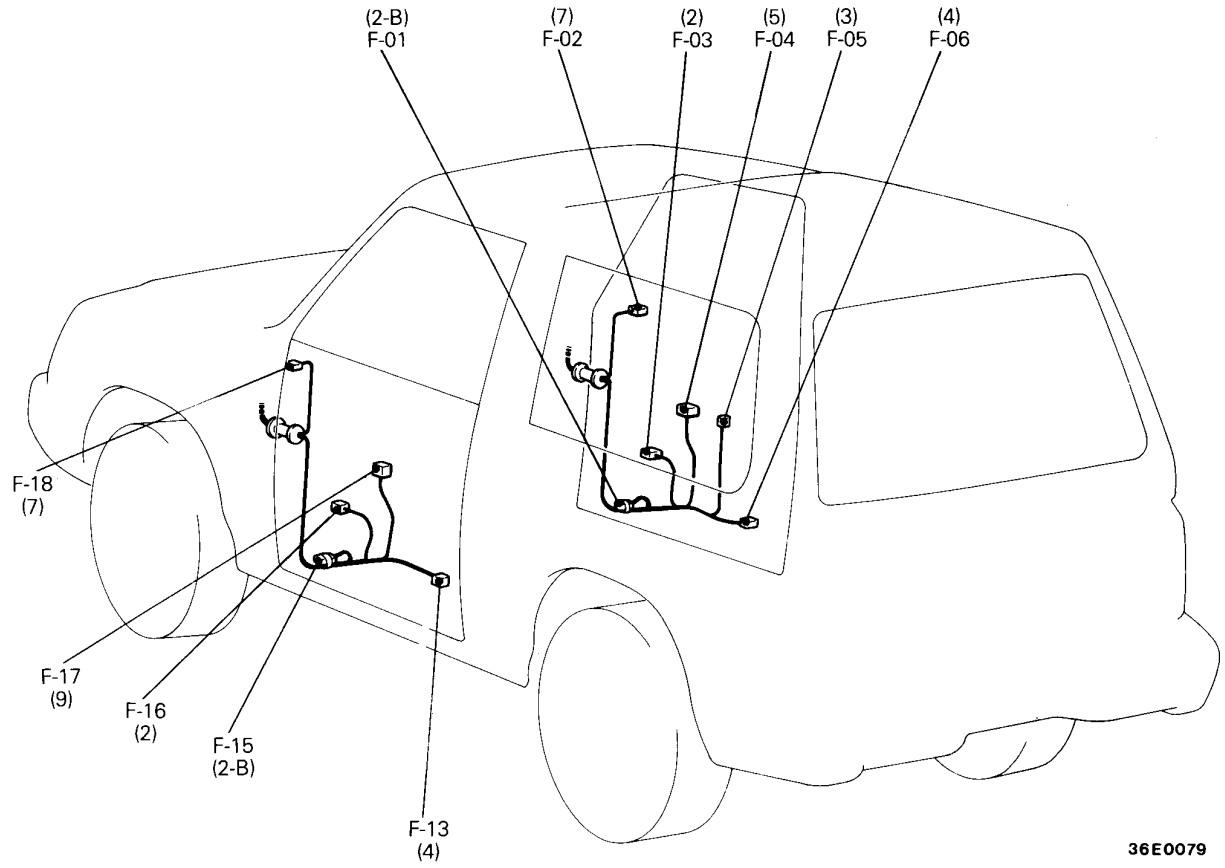
E-01	Wiper deicer (+)
E-02	Map lamp or room lamp
E-03	Wiper deicer (−)
E-04	Room lamp
E-05	Sunroof assembly
E-06	—
E-07	—
E-08	Cargo space lamp
E-09	Rear door switch (RH)
E-10	Rear speaker (RH)
E-11	No connection
E-12, E-13, E-14	ABS control unit
E-15	No connection
E-16	Rear A/C control unit
E-17, E-18	Back door wiring harness and floor wiring harness (RH) combination
E-19	Rear combination lamp (LH)
E-20, E-21	Accessory socket
E-22	Rear combination lamp harness and floor wiring harness (LH) combination
E-23	Variable shock absorber control unit
E-24	Rear differential lock control unit
E-25	Rear differential lock air pump
E-26, E-27	Frame wiring harness and floor wiring harness (LH) combination
E-28	Frame wiring harness and floor wiring harness (RH) combination
E-29, E-30	Floor wiring harness (LH) and floor wiring harness (RH) combination
E-31	Front door switch (LH)
E-32	Rear door wiring harness (LH) and floor wiring harness (LH) combination
E-33	G sensor
E-34	Variable shock absorber control switch
E-35	Rear heater control switch or rear A/C control switch <Dual A/C>
E-36	Rear door switch (LH)
E-37	Rear speaker (LH)
E-38	Front door switch (RH)
E-39	Rear door wiring harness (RH) and floor wiring harness (RH) combination
E-40	Rear heater assembly

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DOOR

2-door models <L.H. drive vehicles>

Connector symbol **F**

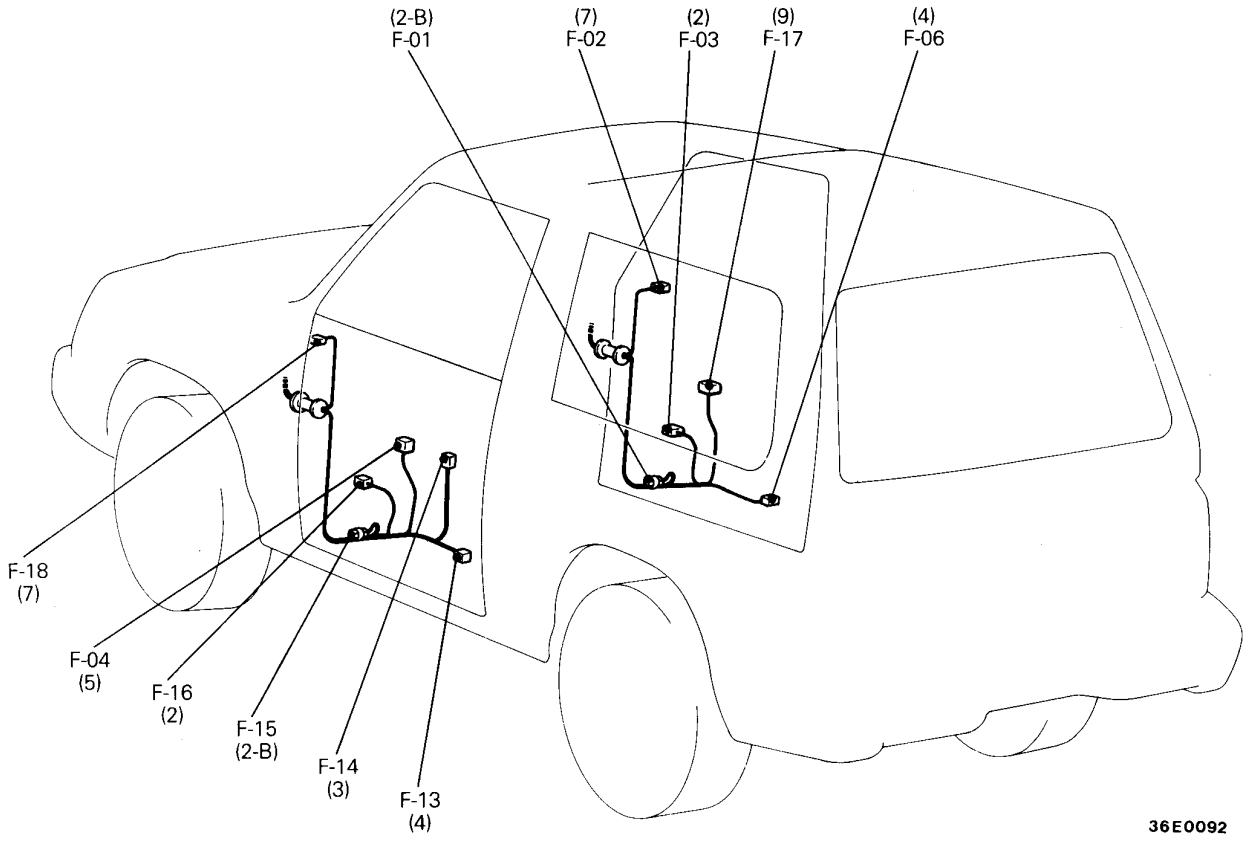


F-01	No connection	F-07 thru F-12	—
F-02	Remote controlled mirror (RH)	F-13	Door lock actuator (Front: LH)
F-03	Power window motor (Front: RH)	F-14	—
F-04	Power window sub switch (Passenger's side)	F-15	No connection
F-05	Door key cylinder switch <Vehicles with central door locking>	F-16	Power window motor (Front: LH)
F-06	Door lock actuator (Front: RH)	F-17	Power window main switch (Driver's side)
		F-18	Remote controlled mirror (LH)

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2-door models <R.H. drive vehicles>

Connector symbol
F

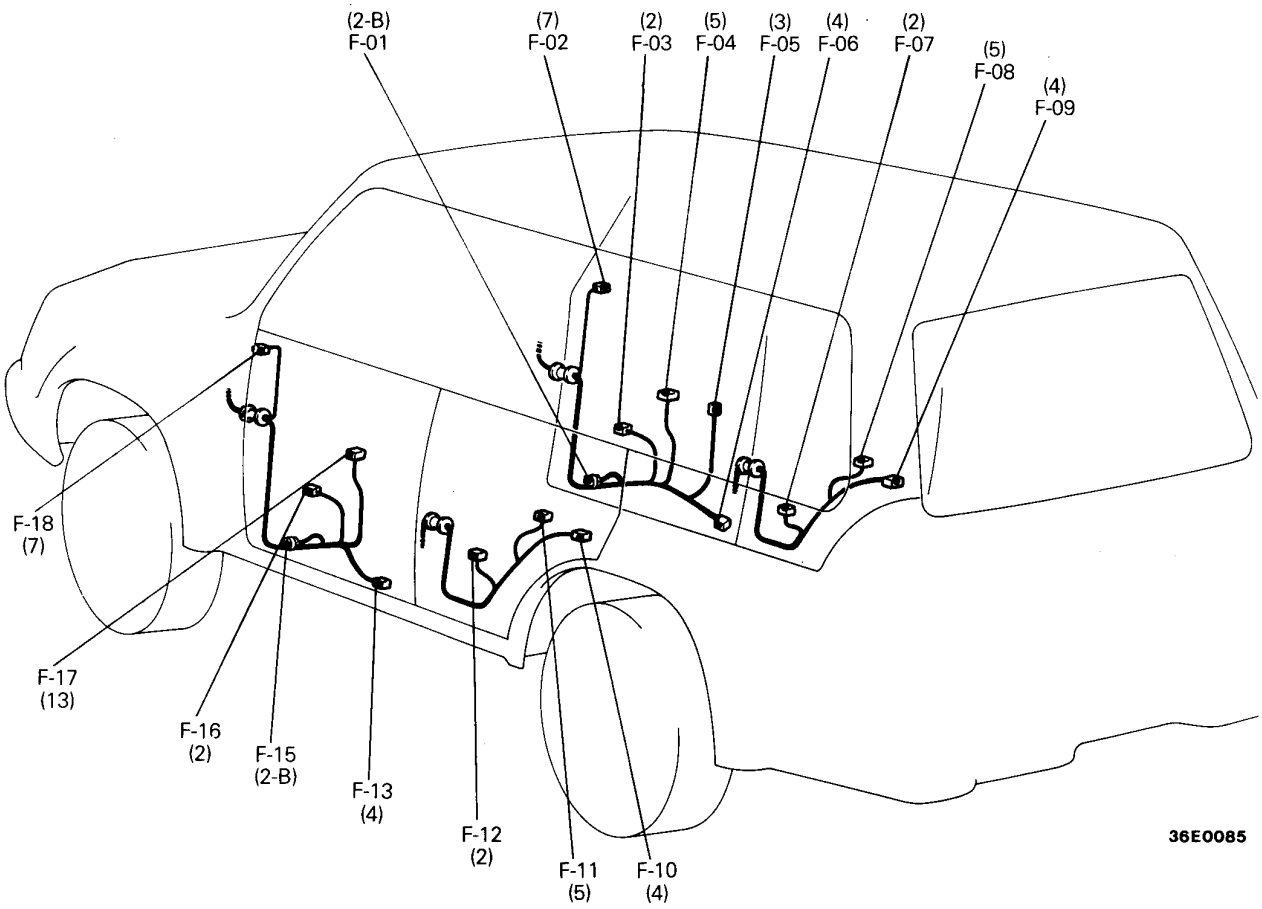


F-01	No connection	F-13	Door lock actuator (Front: LH)
F-02	Remote controlled mirror (RH)	F-14	Door key cylinder switch <Vehicles with central door locking>
F-03	Power window motor (Front: RH)	F-15	No connection
F-04	Power window sub switch (Passenger's side)	F-16	Power window motor (Front: LH)
F-05	—	F-17	Power window main switch (Driver's side)
F-06	Door lock actuator (Front: RH)	F-18	Remote controlled mirror (LH)
F-07 thru F-12	—		

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4-door models 〈L.H. drive vehicles〉

Connector symbol
F



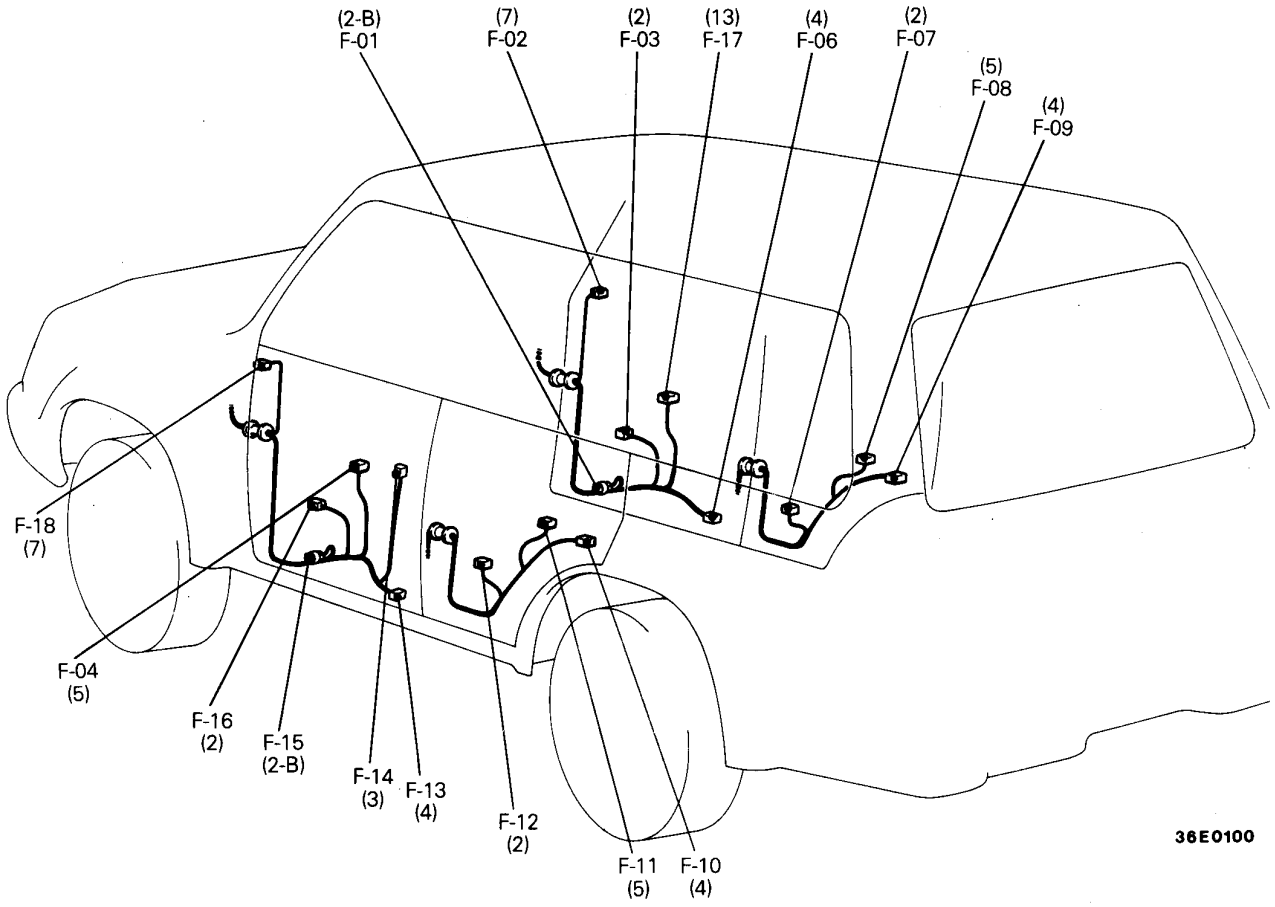
F-01	No connection	F-10	Door lock actuator (Rear: LH)
F-02	Remote controlled mirror (RH)	F-11	Power window sub switch (Rear: LH)
F-03	Power window motor (Front: RH)	F-12	Power window motor (Rear: LH)
F-04	Power window sub switch (Passenger's side)	F-13	Door lock actuator (Front: LH)
F-05	Door key cylinder switch 〈Vehicles with central door locking〉	F-14	Door key cylinder switch 〈Vehicles with central door locking〉
F-06	Door lock actuator (Front: RH)	F-15	No connection
F-07	Power window motor (Rear: RH)	F-16	Power window motor (Front: LH)
F-08	Power window sub switch (Rear: RH)	F-17	Power window main switch (Driver's side)
F-09	Door lock actuator (Rear: RH)	F-18	Remote controlled mirror (LH)

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4-door models <R.H. drive vehicles>

Connector symbol
F



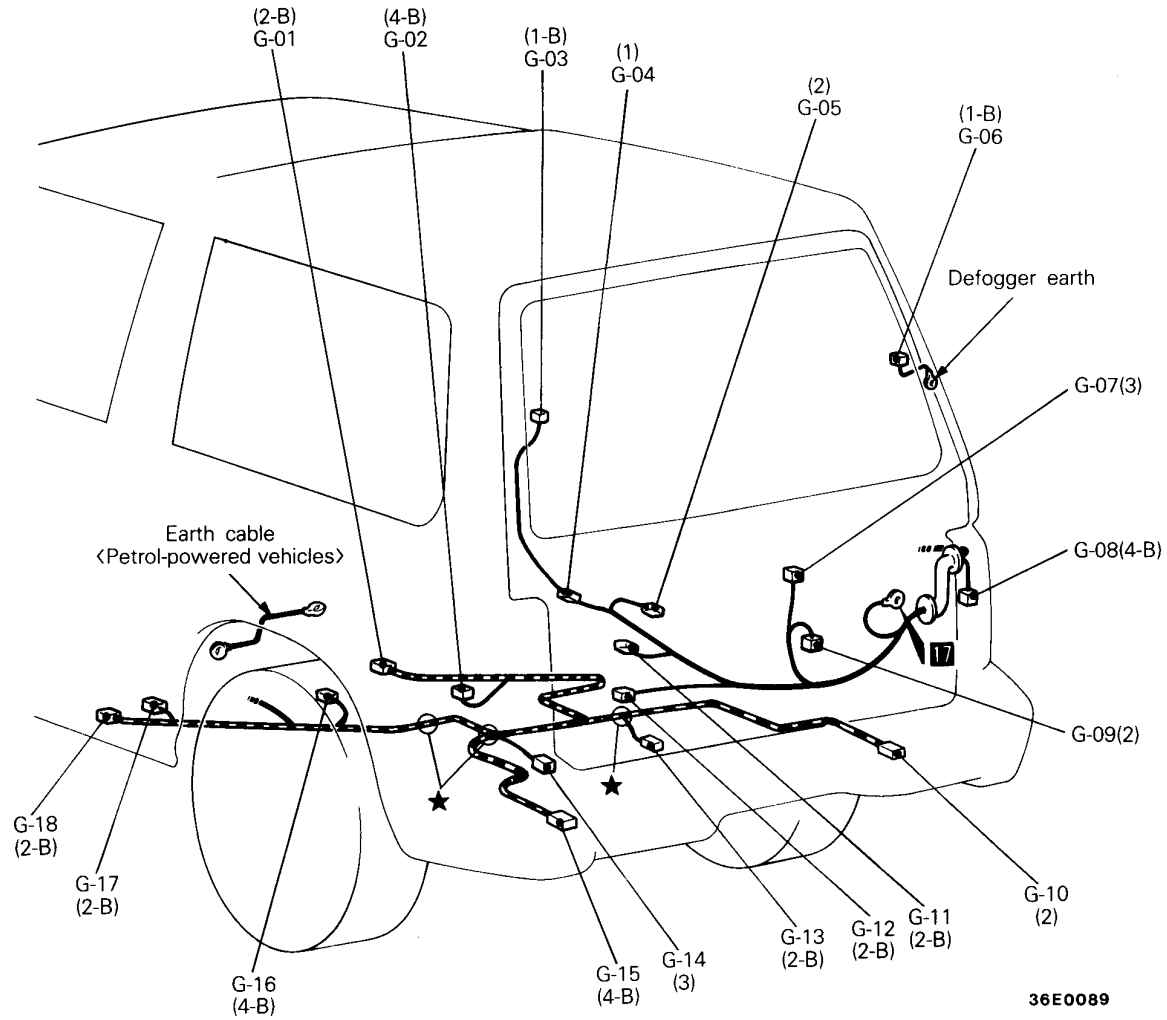
F-01	No connection	F-10	Door lock actuator (Rear: LH)
F-02	Remote controlled mirror (RH)	F-11	Power window sub switch (Rear: LH)
F-03	Power window motor (Front: RH)	F-12	Power window motor (Rear: LH)
F-04	Power window sub switch (Passenger's side)	F-13	Door lock actuator (Front: LH)
F-05	—	F-14	Door key cylinder switch <Vehicles with central door locking>
F-06	Door lock actuator (Front: RH)	F-15	No connection
F-07	Power window motor (Rear: RH)	F-16	Power window motor (Front: LH)
F-08	Power window sub switch (Rear: RH)	F-17	Power window main switch (Driver's side)
F-09	Door lock actuator (Rear: RH)	F-18	Remote controlled mirror (LH)

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BACK DOOR AND REAR UNDER FLOOR

Connector symbol
G



G-01	Speed sensor (Rear: RH) <ABS>		
G-02	Shock absorber (Rear: RH) <Remote controlled variable shock absorber>	G-10	Rear combination lamp (In bumper: RH)
		G-11	Licence plate lamp
G-03	Defogger (+)	G-12	Door lock actuator (Back door)
G-04	Defogger cable and back door wiring harness combination	G-13	Fuel pump <MPI>
		G-14	Fuel gauge unit
G-05	Back door switch	G-15	Rear combination lamp (In bumper: LH)
G-06	Defogger (−)	G-16	Shock absorber (Rear: LH) <Remote controlled variable shock absorber>
G-07	Rear wiper motor		
G-08	Rear combination lamp (RH)	G-17	Speed sensor (Rear: LH) <ABS>
G-09	Rear washer motor	G-18	Rear differential lock detection switch

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3A SINGLE PART INSTALLATION POSITION

RELAY 3A-2
CONTROL UNIT 3A-5
SENSOR 3A-8
SOLENOID VALVE 3A-14
DIODE 3A-17
INSPECTION TERMINAL 3A-18
FUSIBLE LINK AND FUSE 3A-19
EARTH CABLE 3A-20
EARTH 3A-21

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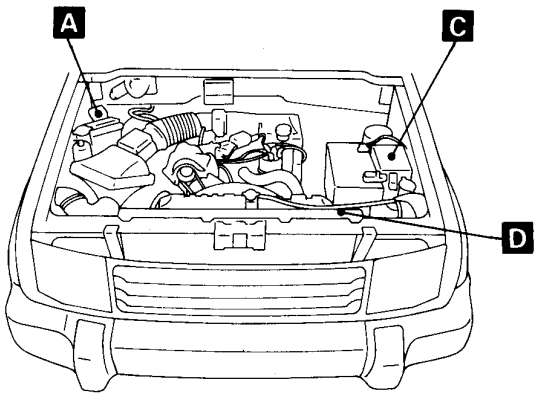
RELAY

Name	Symbol	Name		Symbol
ABS motor relay	A	Headlamp relay		C
ABS valve relay	A	Headlamp washer relay	LHD	L
A/C compressor capacity control relay	B		RHD	M
A/C compressor relay	C	Horn relay〈Vehicles with SRS〉		D
Accessory socket relay	J	Intercooler fan motor relay		C
Alternator relay	C	Intermittent wiper relay (rear wiper)		K
Blower relay	J	Intermittent wiper relay (windshield wiper)		E
Condensor fan motor control relay 〈Diesel-powered vehicles〉	B	Overdrive control relay	LHD	I
			RHD	H
Condenser fan motor relay	C	Power seat relay box		N
Daytime running lamp relay 1	D	Power window relay		K
Daytime running lamp relay 2	D	Rear fog lamp relay		C
Dim-dip lamp relay 1	M	Rear heater relay		K
Dim-dip lamp relay 2	M	Starter relay		B
Dim-dip lamp relay 3	M	Tail lamp relay		C
Defogger relay	K	Turn and hazard flasher unit		K
Engine control relay	G	Wiper deicer relay	LHD	L
Engine oil level relay	G		RHD	M
Glow plug relay	B	4WD indicator relay 〈Part time 4WD〉		F

NOTE
Names are listed in alphabetical order.

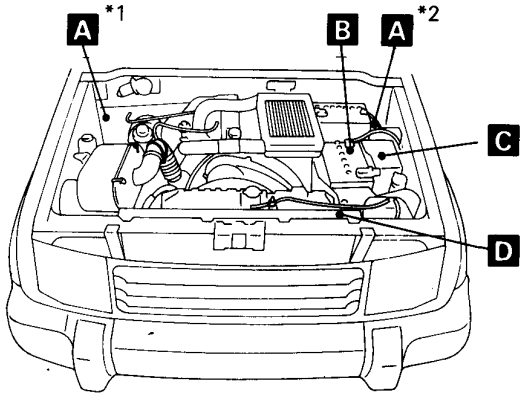
Engine compartment

〈Petrol-powered vehicles〉



16E0128

〈Diesel-powered vehicles〉

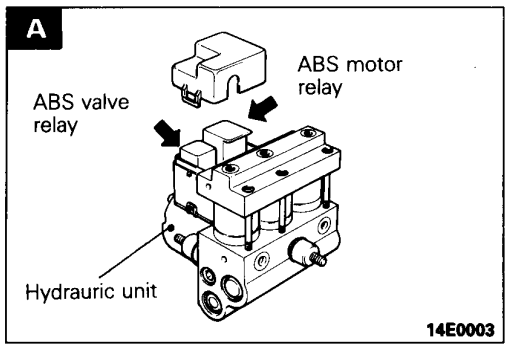


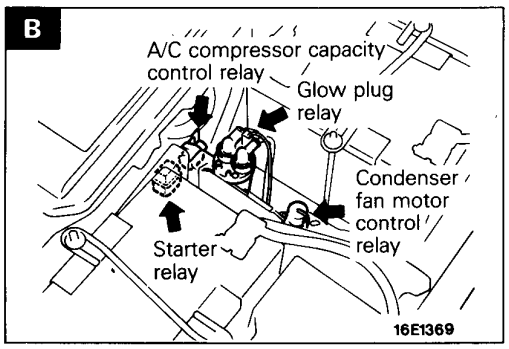
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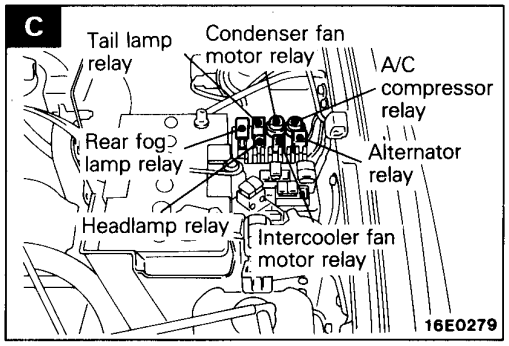
Remarks
*1: R.H. drive vehicles
*2: L.H. drive vehicles

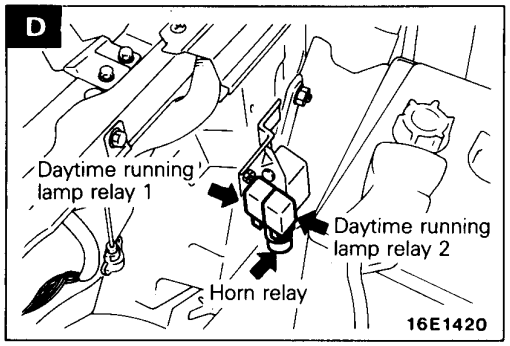
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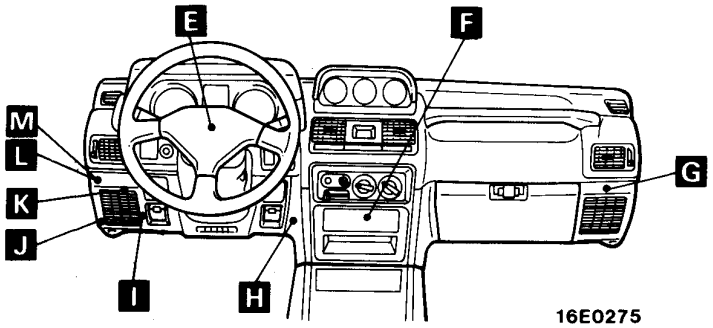


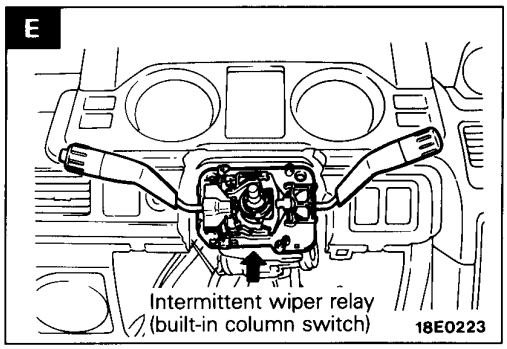


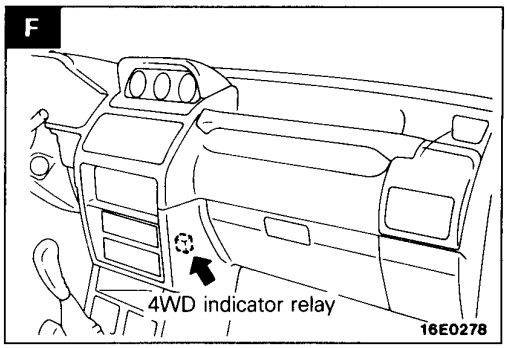


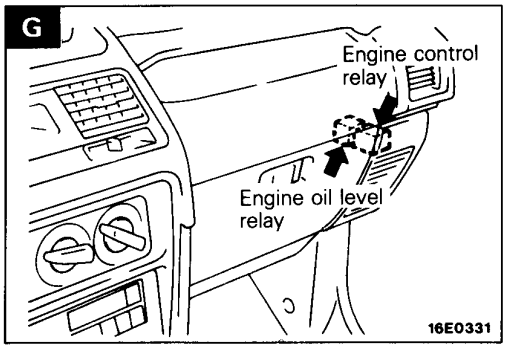


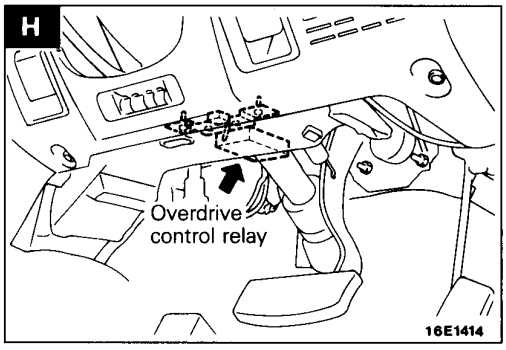
Interior





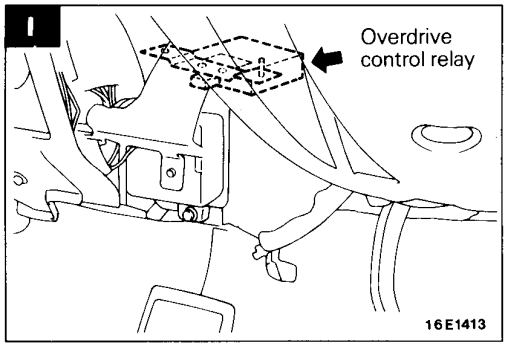




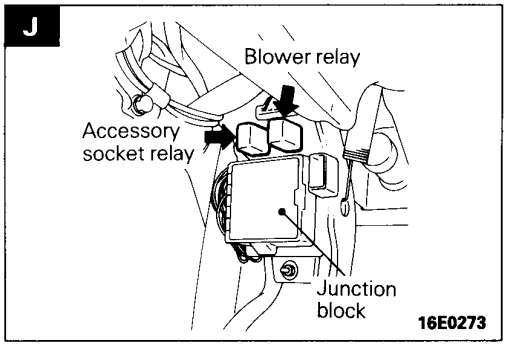


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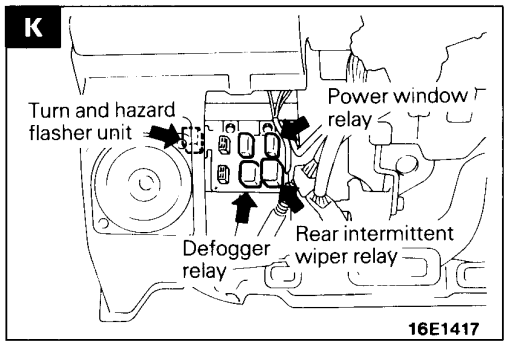
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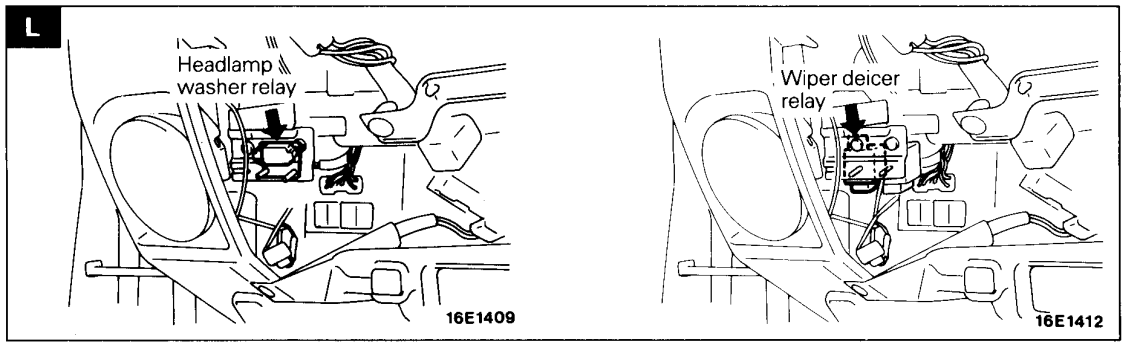
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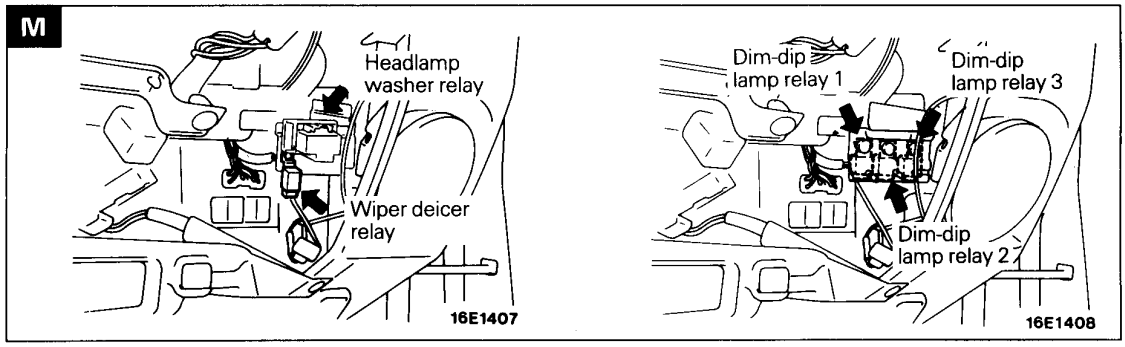
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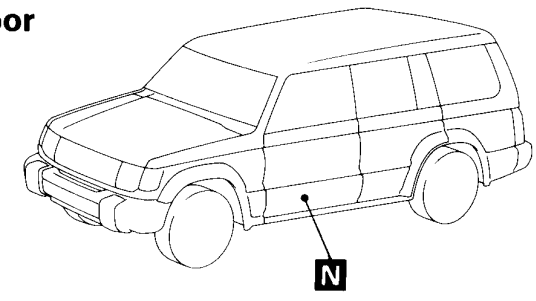
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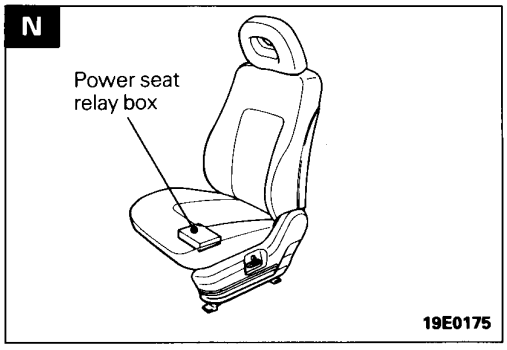
M



Floor



N



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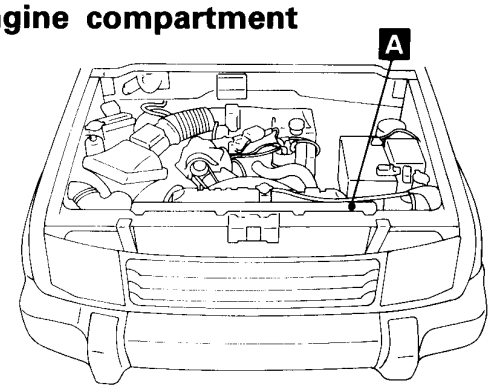
CONTROL UNIT

Name		Symbol
ABS control unit		M
A/C control unit (front)		D
A/C control unit (rear)		N
Auto-cruise control unit	LHD	C
	RHD	B
Daytime running lamp control unit		A
Door lock control unit	LHD	J
	RHD	K
ELC-4A/T control unit	LHD	I
	RHD	H
Engine control unit		F
Fuel line heater control unit		E
Glow control unit		F

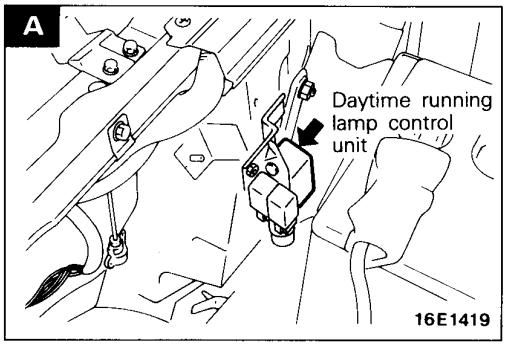
Name		Symbol
Ignition key cylinder illumination lamp timer		G
Intercooler fan control unit <Vehicles with fuel line heater>		F
Intercooler fan control unit <Vehicles without fuel line heater>		E
Motor antenna control unit		G
Rear differential lock control unit		O
SRS diagnosis unit		G
Sunroof control unit		L
Variable shock absorber control unit		O
Wiper deicer timer	LHD	J
	RHD	K
4WD indicator control unit		G

NOTE
Names are listed in alphabetical order.

Engine compartment

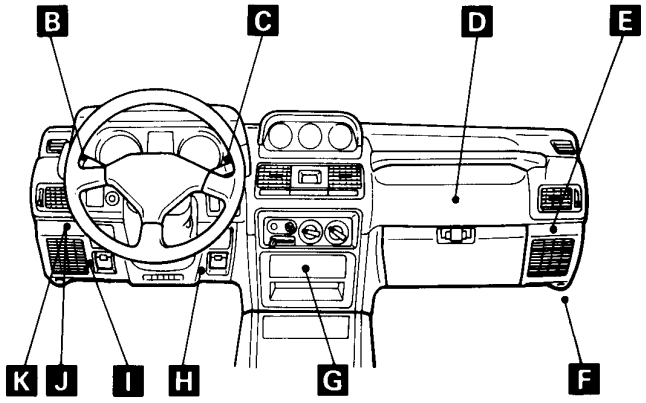


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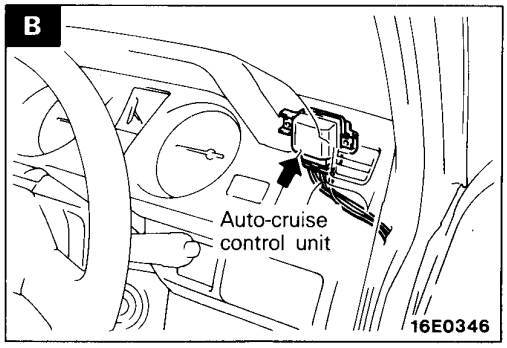


16E1419

Interior



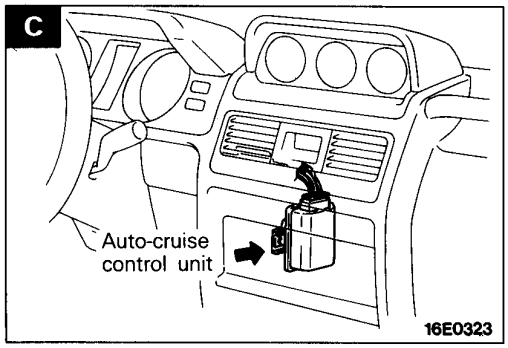
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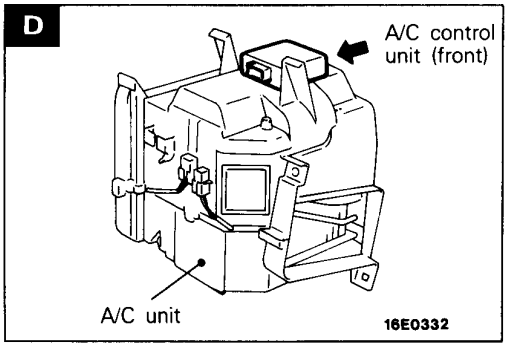
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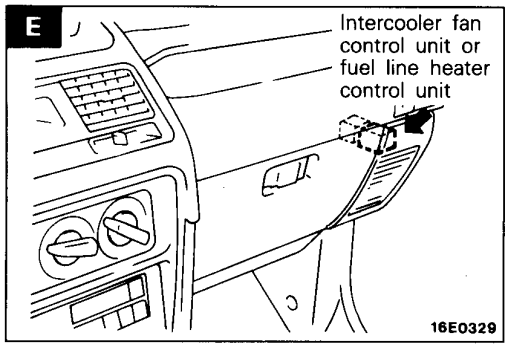
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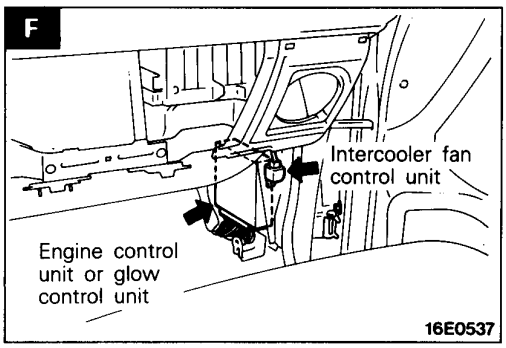
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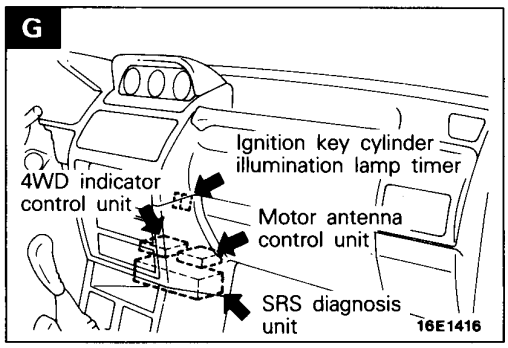
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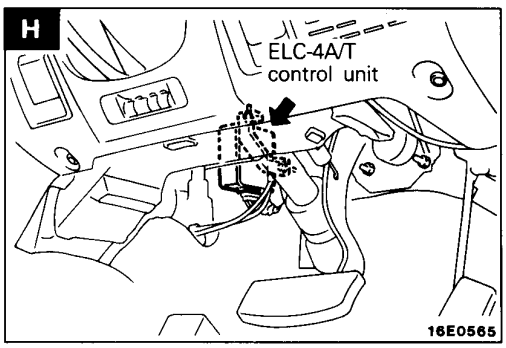
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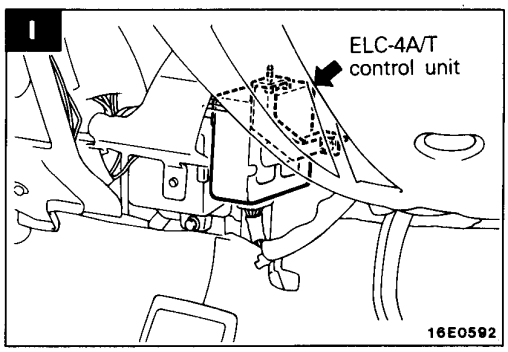
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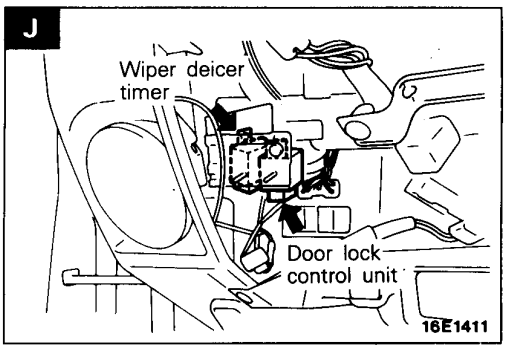
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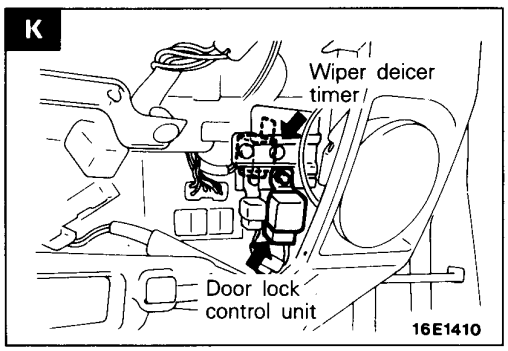
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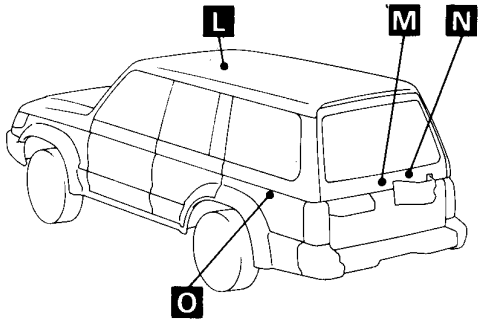
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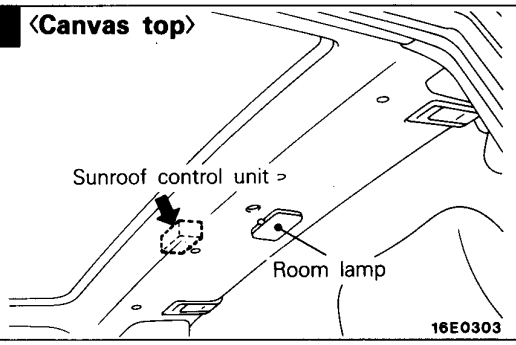
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Roof, Luggage compartment, Floor



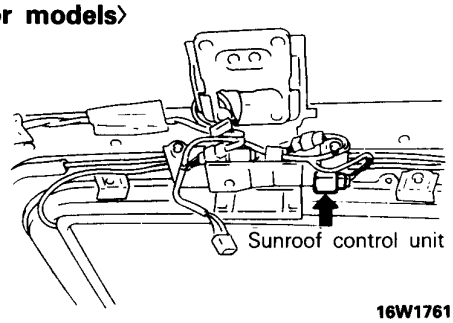
18E0004

L 〈Canvas top〉



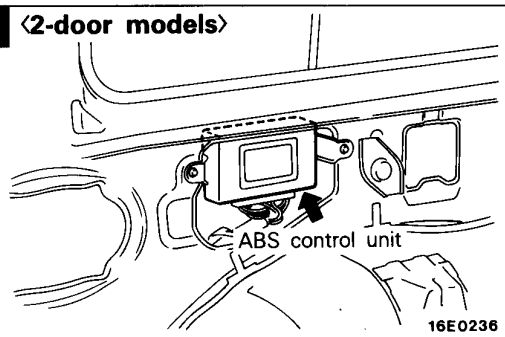
16E0303

〈4-door models〉



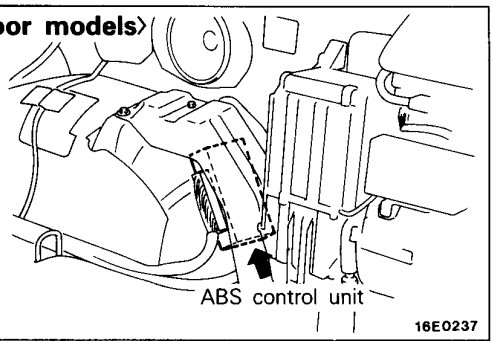
16W1761

M 〈2-door models〉



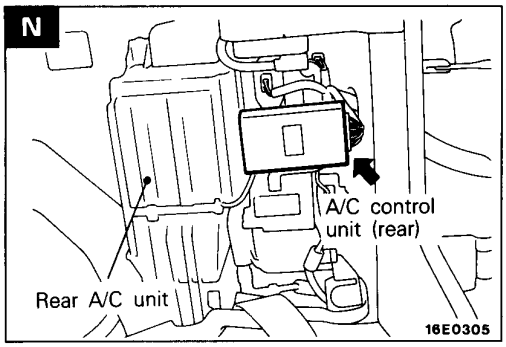
16E0236

〈4-door models〉



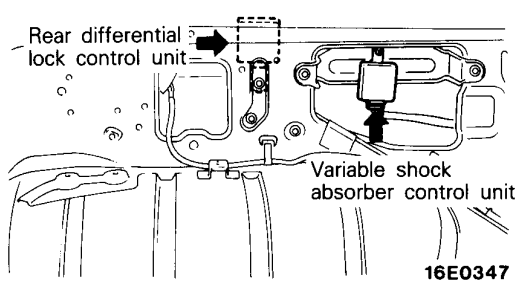
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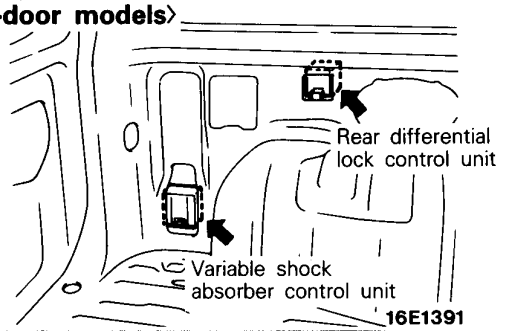
16E0305

O 〈2-door models〉



16E0347

〈4-door models〉



16E1391

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SENSOR

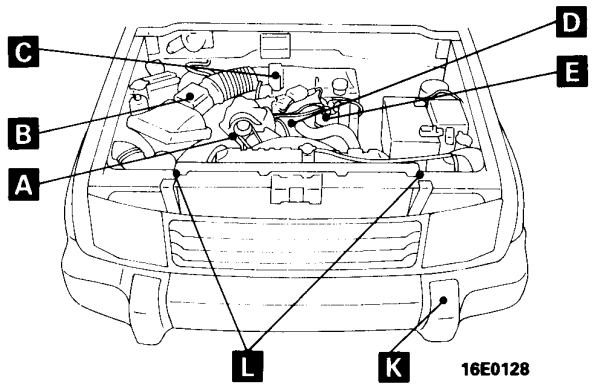
Name	Symbol
Air-flow sensor (with built-in atmospheric sensor, intake air temperature sensor)	B
Air inlet sensor	O
Air thermo sensor (front)	O
Air thermo sensor (rear)	R
A/T fluid temperature switch	T
Cam position sensor <6G74 engine>	G
Crank angle sensor <6G74 engine>	G
Crank angle sensor and top dead centor sensor <4G64, 6G72 engine>	E
Detonation sensor <6G74 engine>	F
Engine coolant temperature gauge unit <Diesel-powered vehicles>	H
Engine coolant temperature sensor (for A/C) <Petrol-powered vehicles>	D
Engine coolant temperature sensor (for engine control)	D

Name		Symbol
Front impact sensor		L
Fuel thermo sensor		I
G sensor		Q
Geomagnetic sensor		N
Idle speed control actuator <4G64 engine>		C
Lever position sensor		J
Oxygen sensor	4G64 engine	A
	6G72, 6G74 engine	W
Reed switch		M
Rotation sensor		J
Speed sensor (front)		S
Speed sensor (rear)		U
Thermo sensor (inside air)		P
Thermo sensor (outside air)		K
Throttle position sensor		C
Vehicle speed sensor		V

NOTE
Names are listed in alphabetical order.

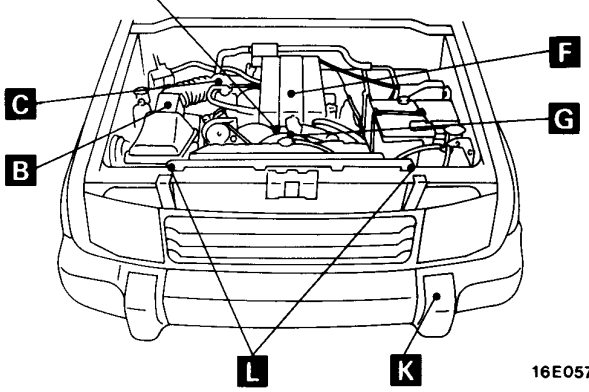
Engine compartment

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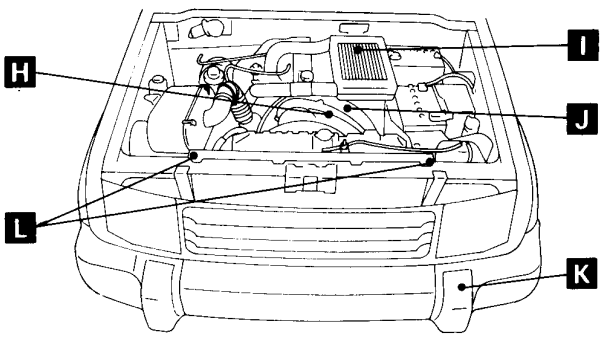
16E0128

D <6G74 engine>



16E0570

<Diesel-powered vehicles>

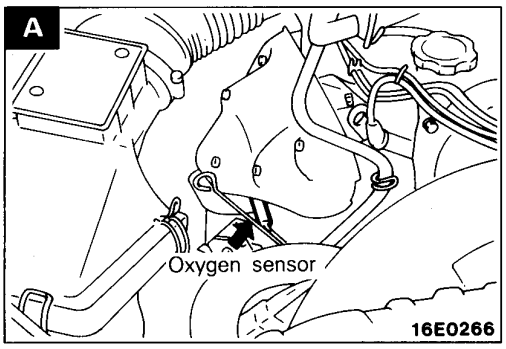


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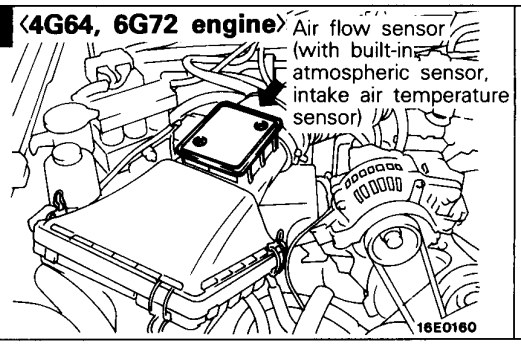
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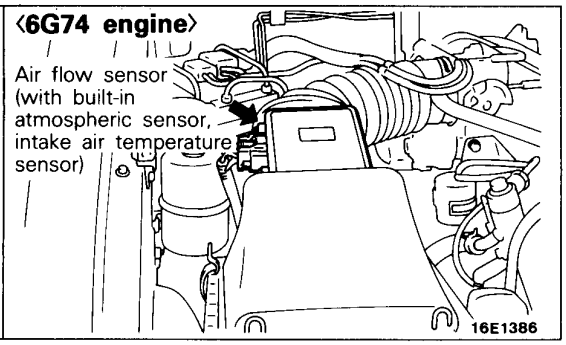
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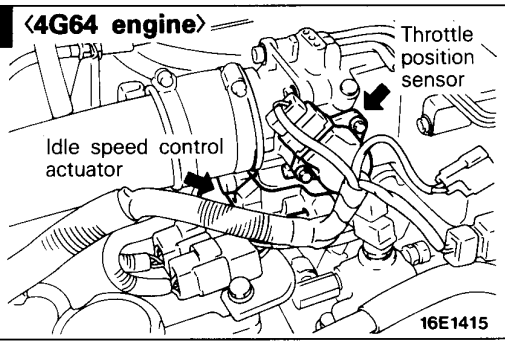
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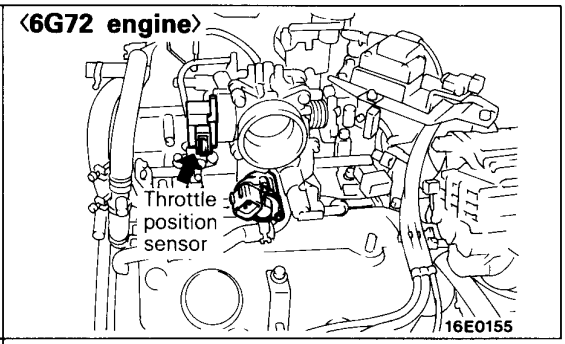
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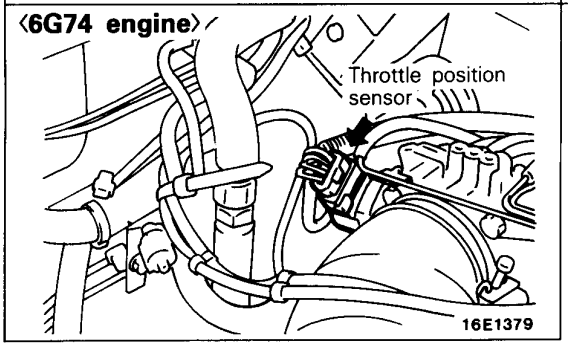
C ⟨4G64 engine⟩



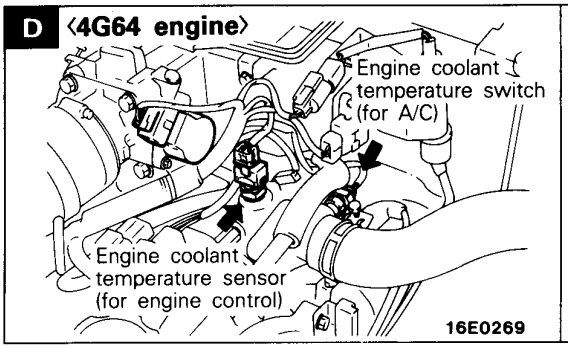
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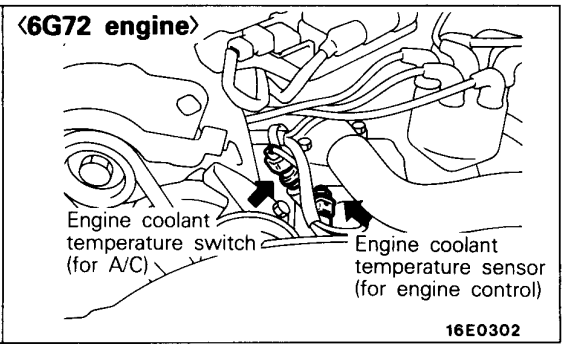
⟨6G74 engine⟩



D ⟨4G64 engine⟩

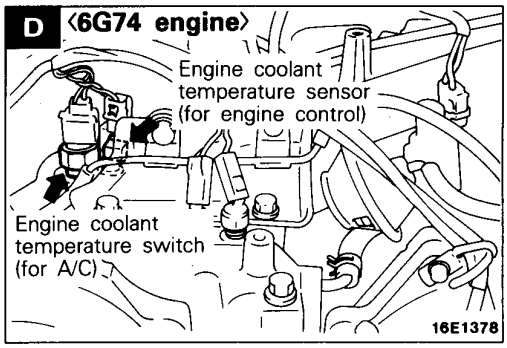


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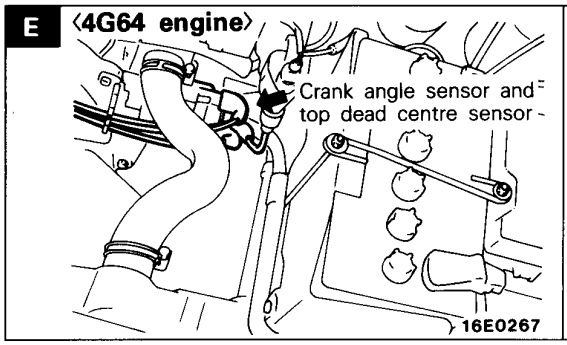


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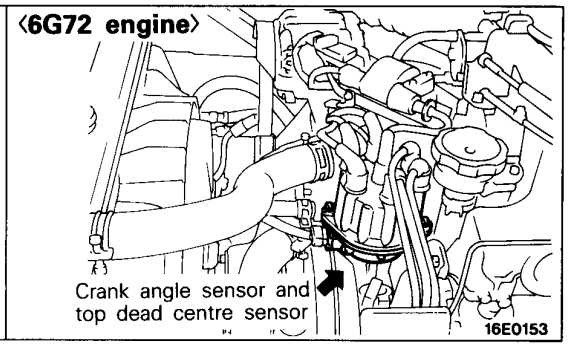
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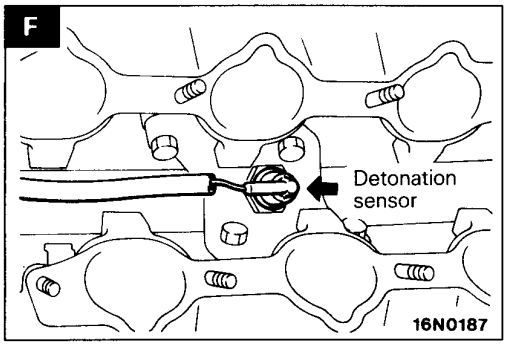
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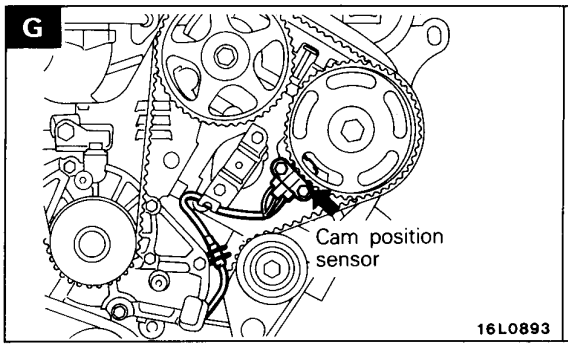
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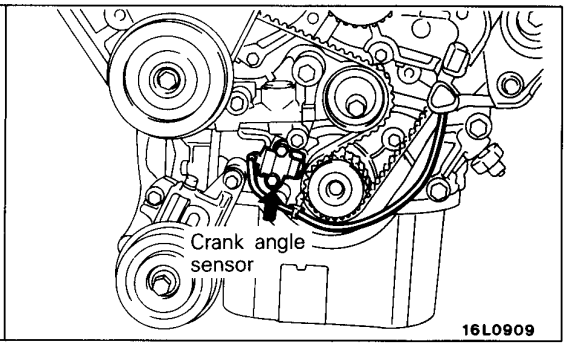


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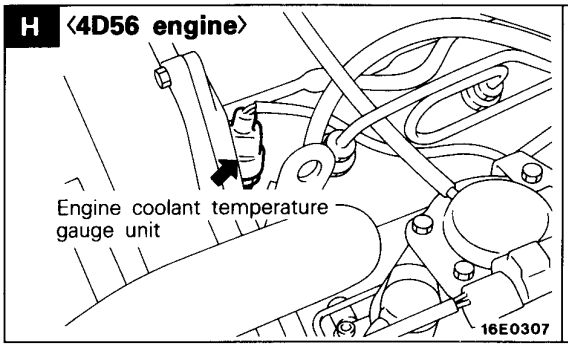


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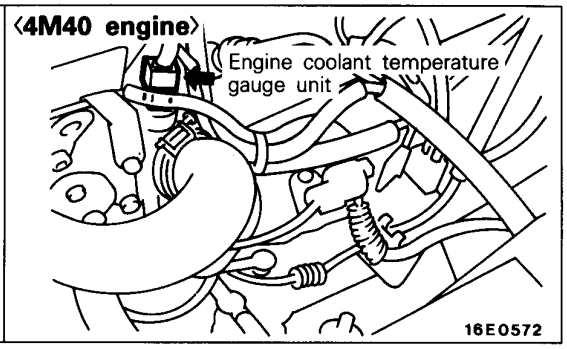




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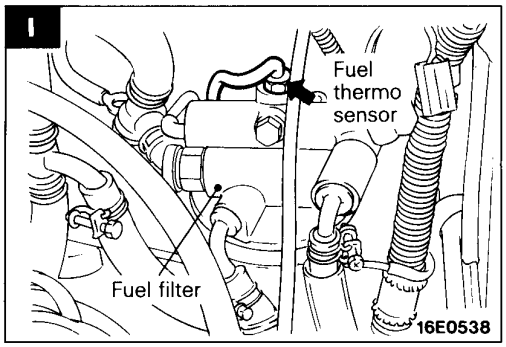


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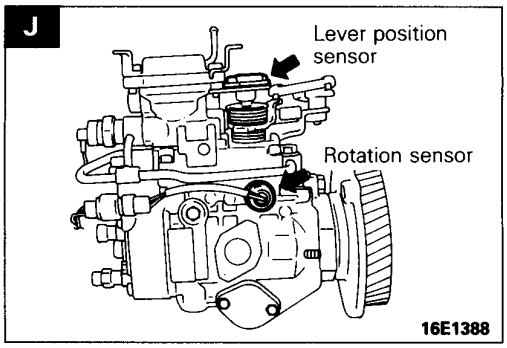


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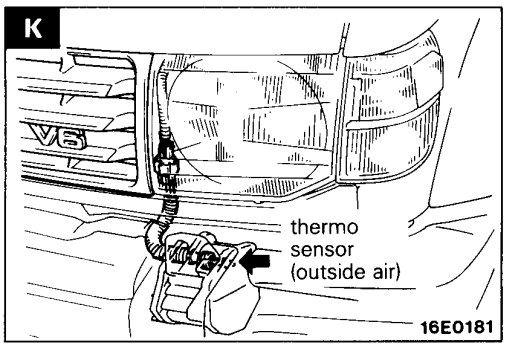
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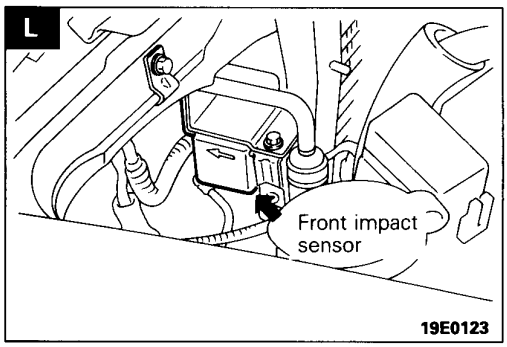
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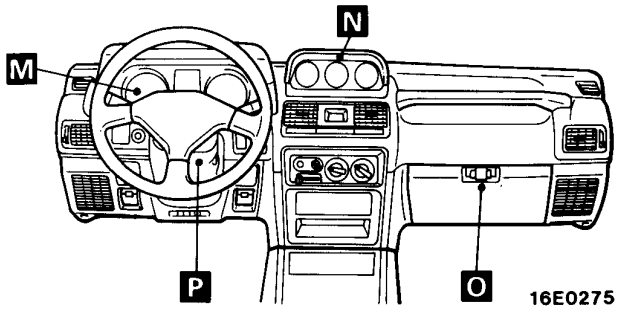
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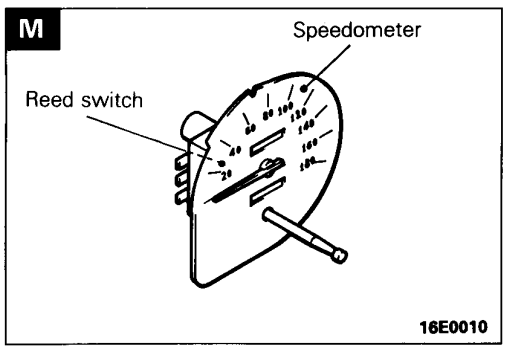
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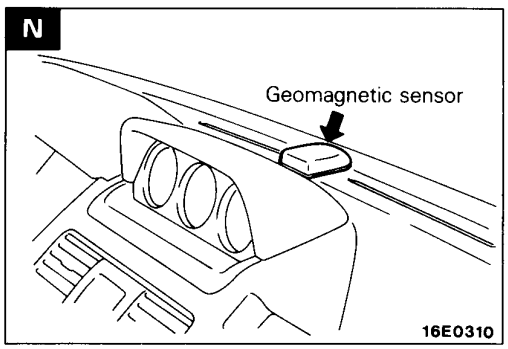
Interior



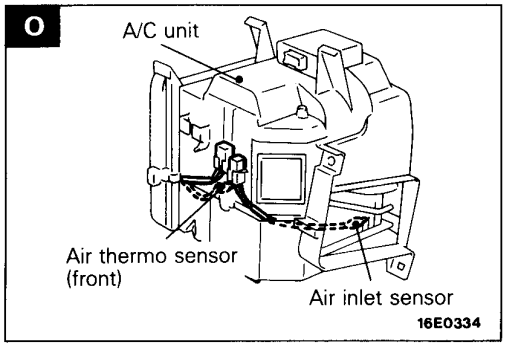
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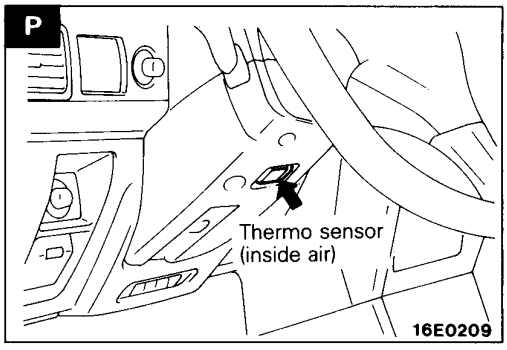
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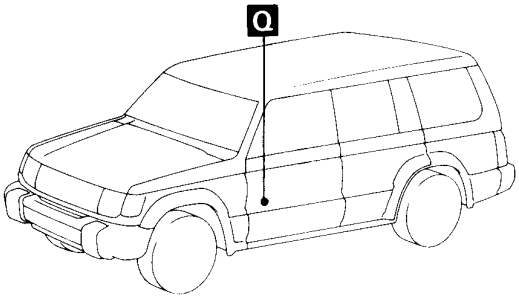


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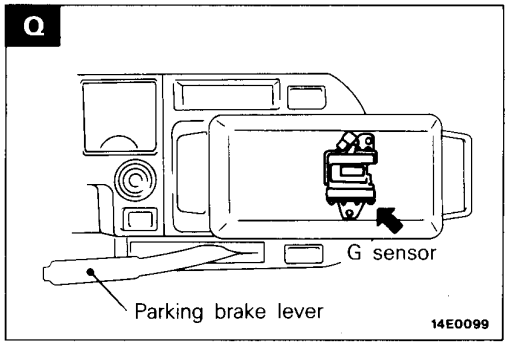


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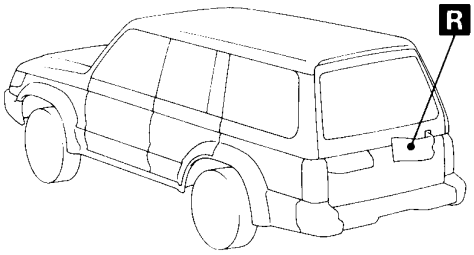
Floor



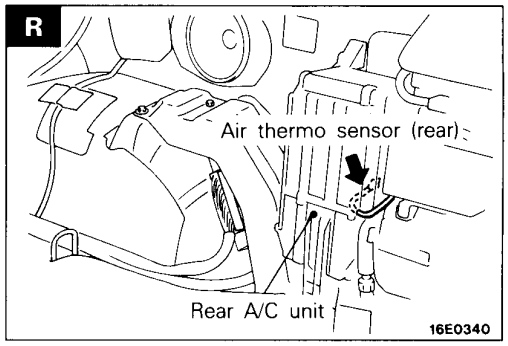
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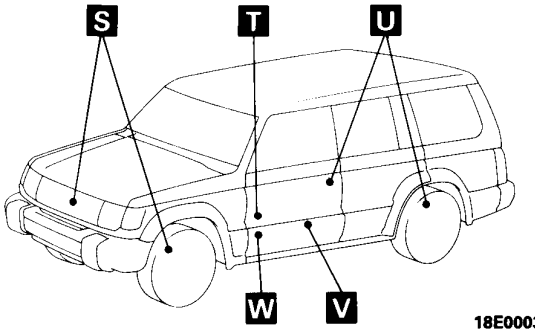
Luggage compartment



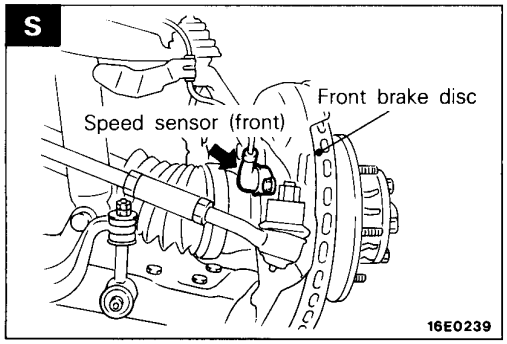
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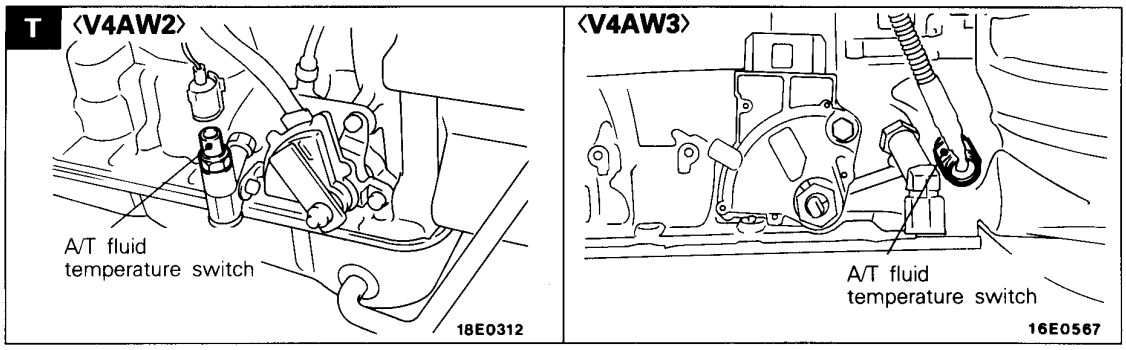


Under floor



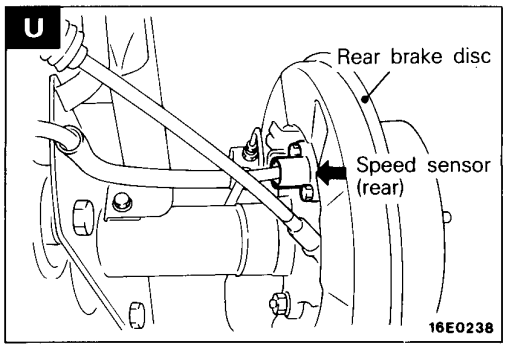
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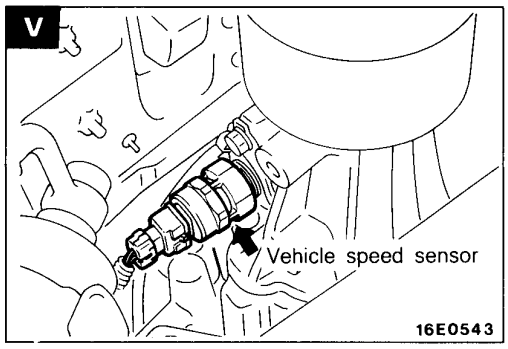


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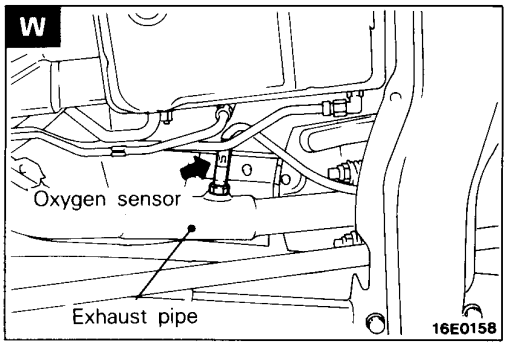
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V



W



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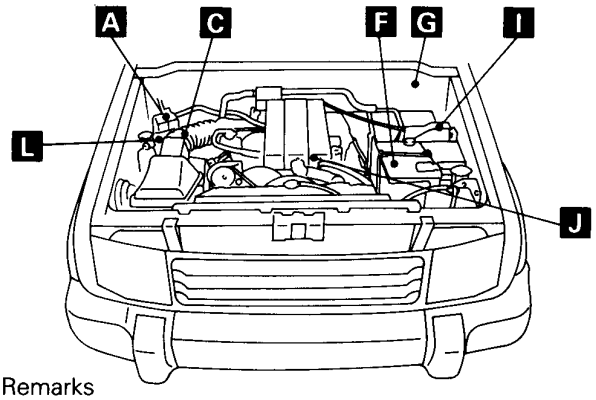
SOLENOID VALVE

Name		Symbol	Name	Symbol
Auto-cruise control actuator (with built-in solenoid valve)		I	Overdrive solenoid valve <V4AW2>	N
EGR solenoid valve <6G74 engine>		C	Purge control solenoid valve <Petrol-powered vehicles>	F
EGR solenoid valve Ⅰ, Ⅱ <Diesel-powered vehicles with EGR system>		E	Solenoid assembly <V4AW3>	M
Hydrauric unit (with build-in solenoid valve)		A	Solenoid valve (super select 4WD)	L
Idle up solenoid valve(ABS)	LHD	H	Supercharging pressure relief solenoid valve	E
	RHD	B	Timer solenoid valve <4M40 engine>	K
Idle up solenoid valve(A/C)	LHD	D	Variable induction control solenoid valve <6G74 engine>	J
	RHD	G		

NOTE
Names are listed in alphabetical order.

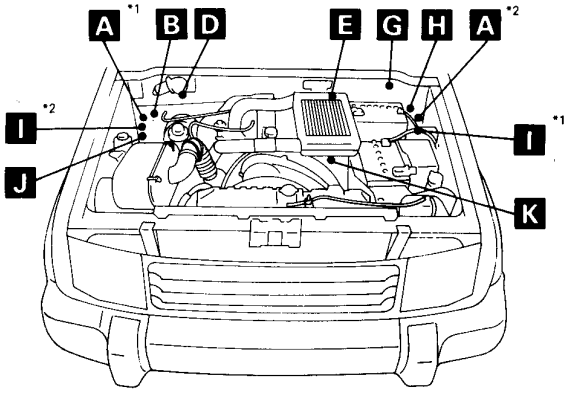
Engine compartment

<Petrol-powered vehicles>



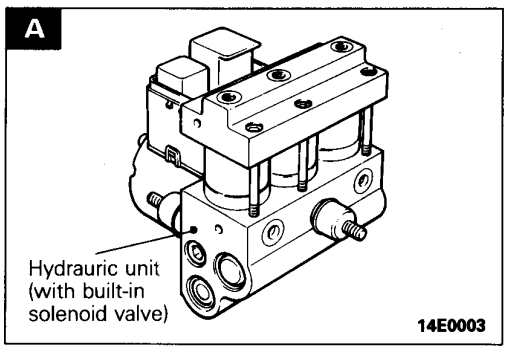
16E0570

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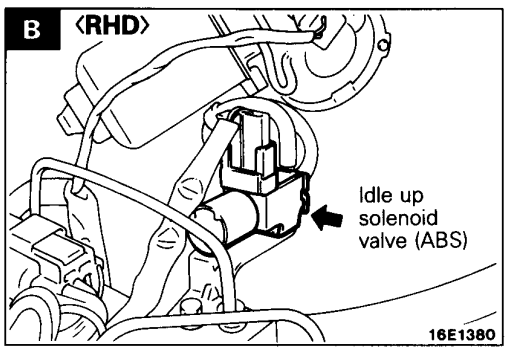


16E0129

Remarks
*1: R.H.drive vehicles
*2: L.H.drive vehicles



14E0003

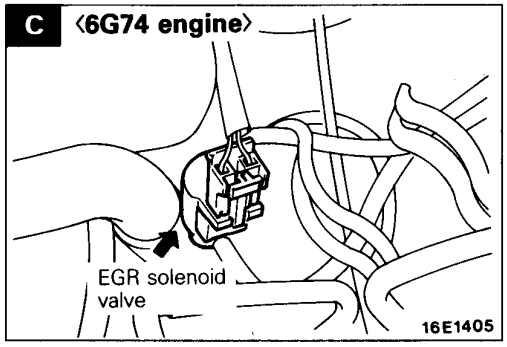


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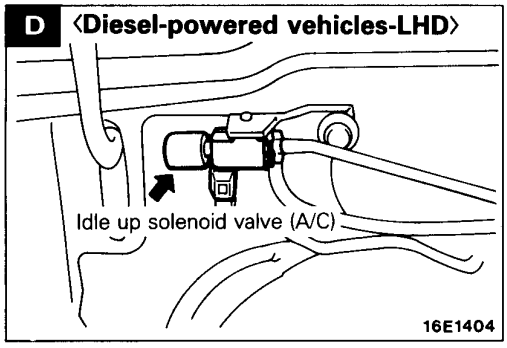
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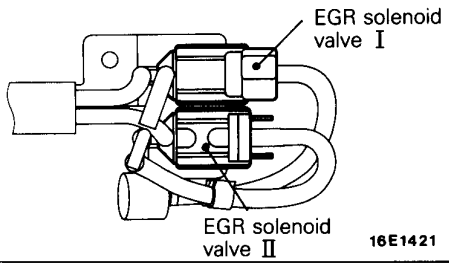
C 〈6G74 engine〉



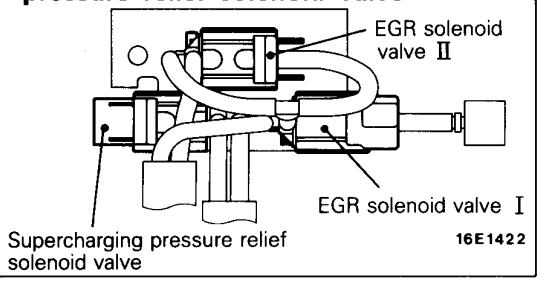
D 〈Diesel-powered vehicles-LHD〉



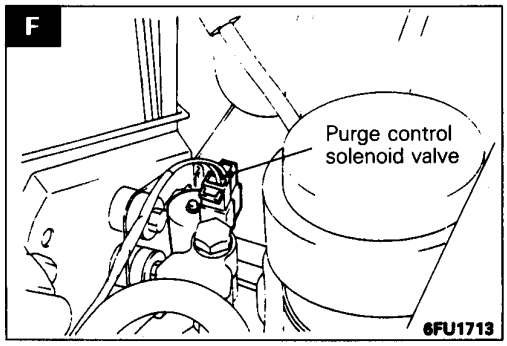
E 〈Vehicles without supercharging pressure relief solenoid valve〉



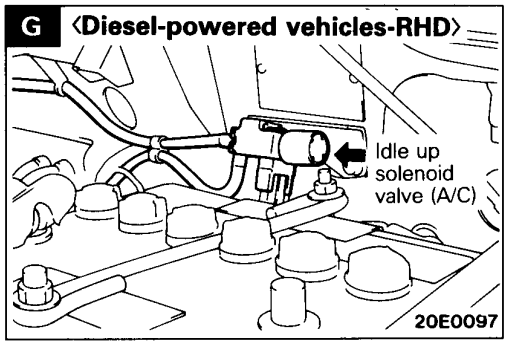
〈Vehicles with supercharging pressure relief solenoid valve〉



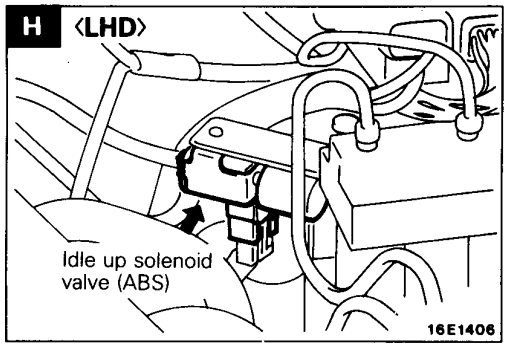
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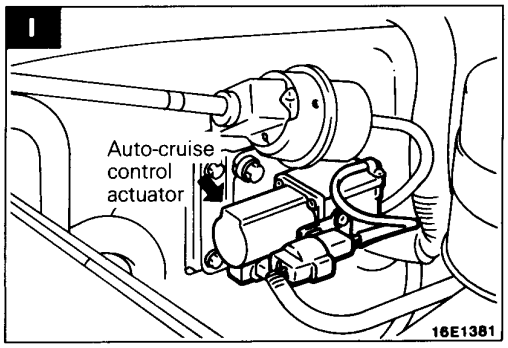
G 〈Diesel-powered vehicles-RHD〉



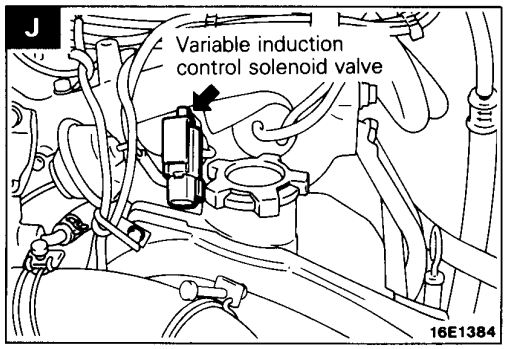
H 〈LHD〉



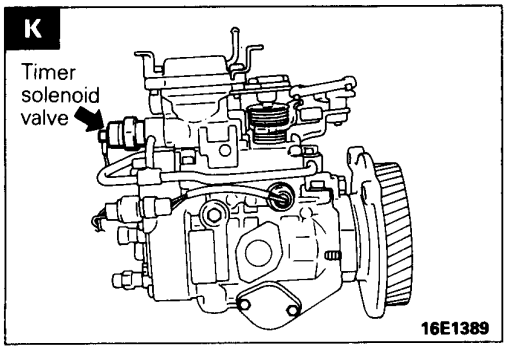
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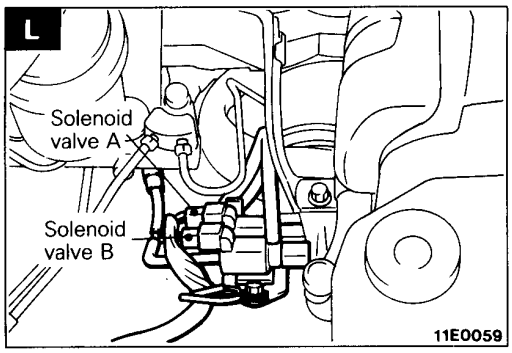
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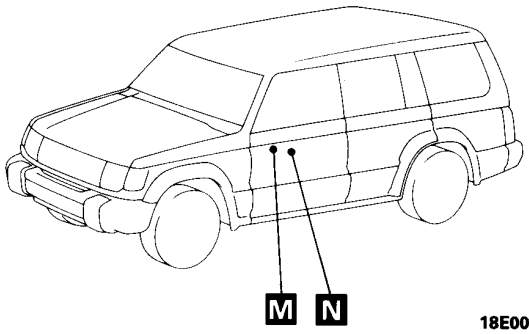
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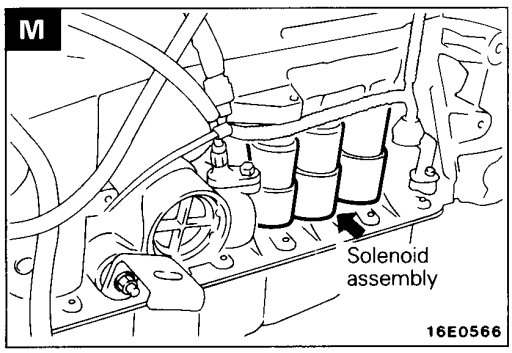


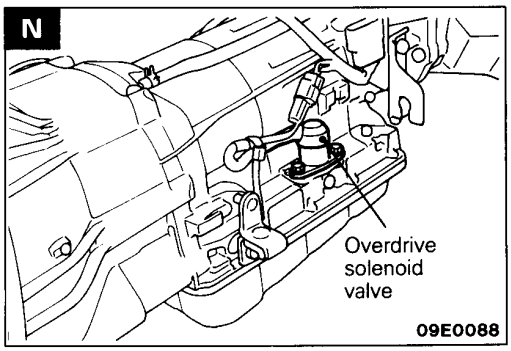
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Under floor







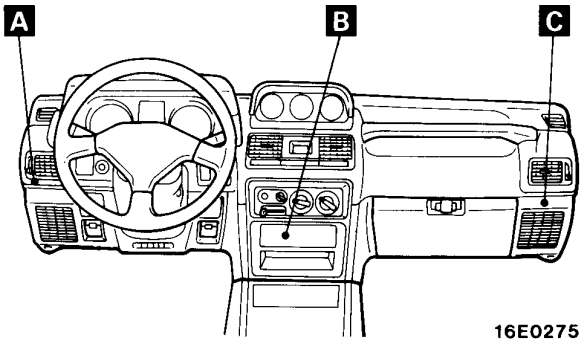
cardiagn.com

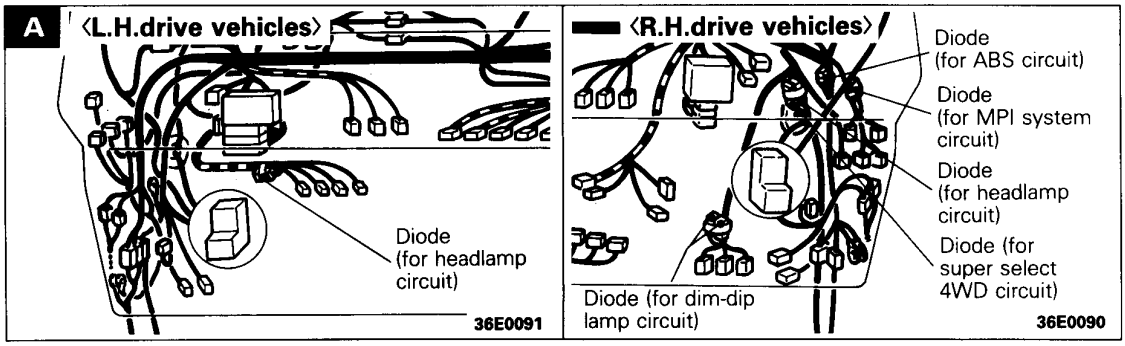
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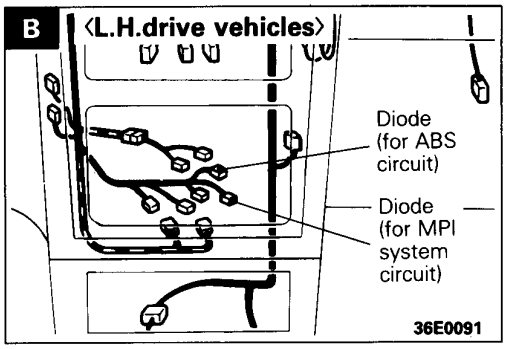
Name		Symbol	Name		Symbol
Diode (for ABS circuit)	LHD	B	Diode (for headlamp circuit)		A
	RHD	A	Diode (for MPI circuit) <6G74 engine>	LHD	B
Diode (for dim-dip lamp circuit)		A		RHD	A
Diode (for dim-dip lamp circuit)		A	Diode (for super select 4WD circuit)	LHD	C
				RHD	A

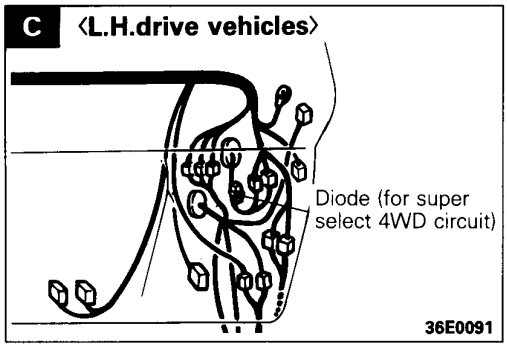
NOTE
Names are listed in alphabetical order.

Interior









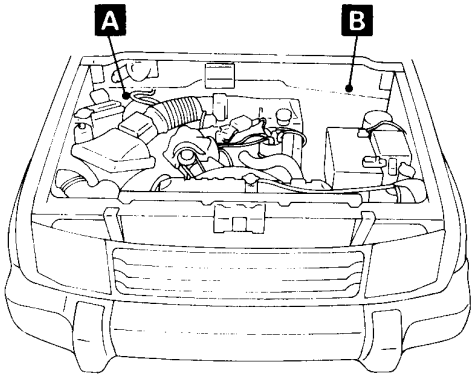
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INSPECTION TERMINAL

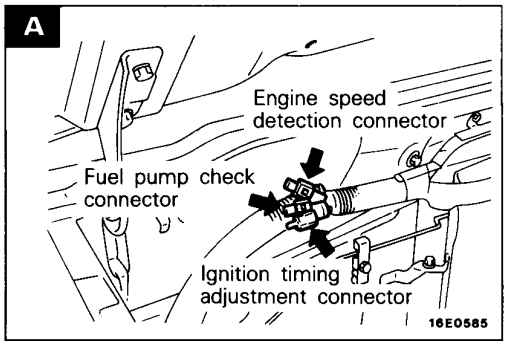
Name		Symbol	Name		Symbol
Diagnosis connector		C	Fuel pump check connector	LHD	A
Engine speed detection connector <6G74 engine>	LHD	A		RHD	B
	RHD	B	Ignition timing adjustment connector	LHD	A
				RHD	B

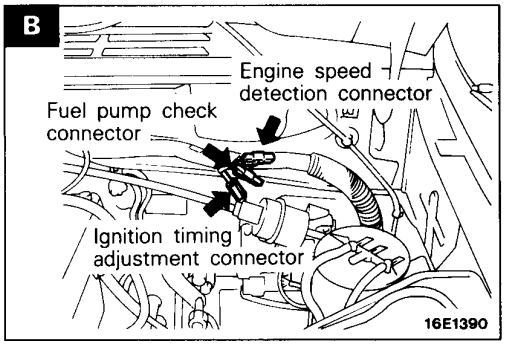
NOTE
Names are listed in alphabetical order.

Engine compartment

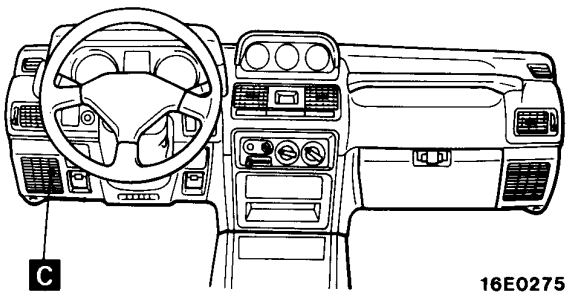


16E0128

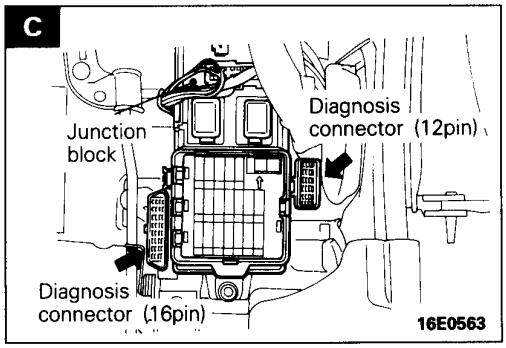




Interior



16E0275



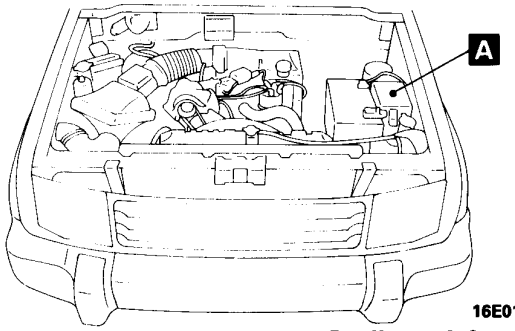
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FUSIBLE LINK AND FUSE

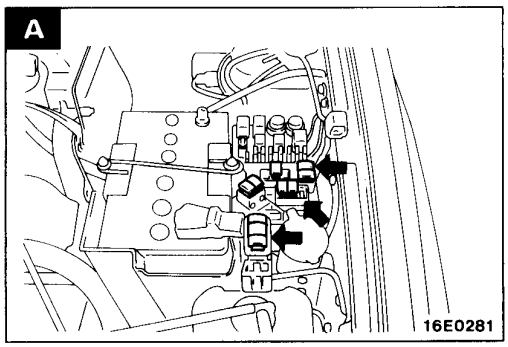
Name	Symbol	Name	Symbol
Dedicated fuse	A, B	Multi-purpose fuse	B
Fusible link	A		

NOTE
Names are listed in alphabetical order.

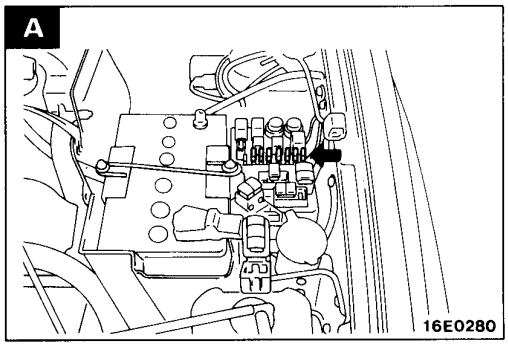
Engine compartment



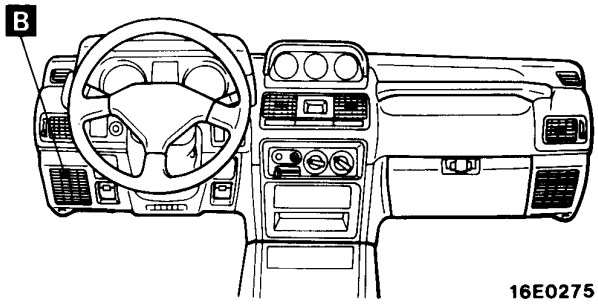
Fusible link



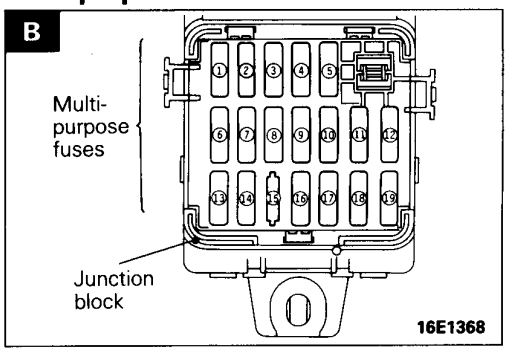
Dedicated fuse



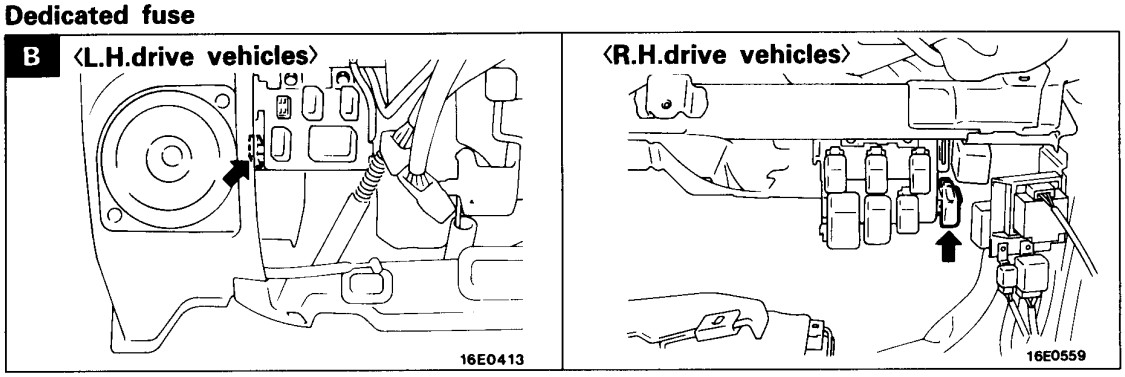
Interior



Multi-purpose fuse



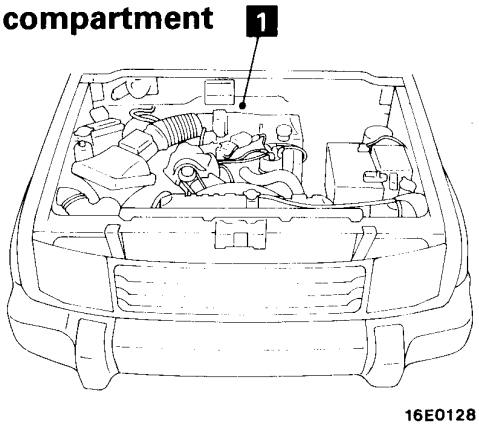
Dedicated fuse



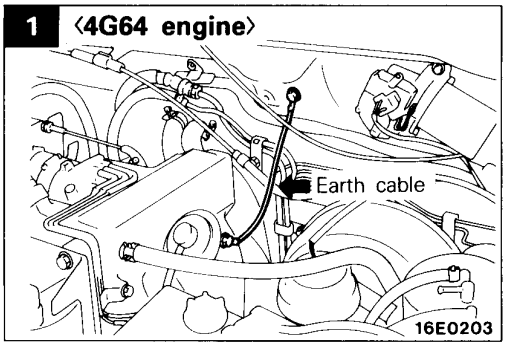
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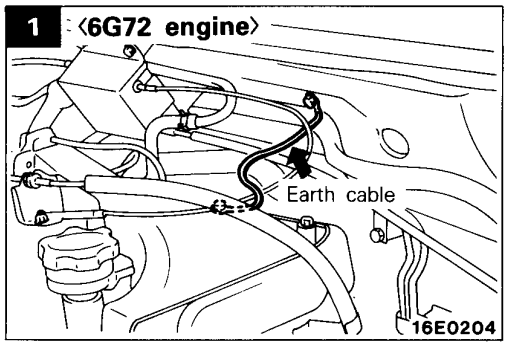
EARTH CABLE

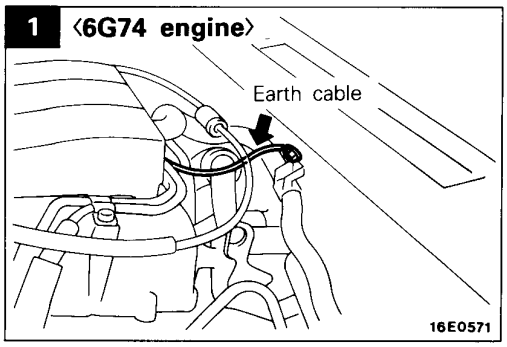
Engine compartment

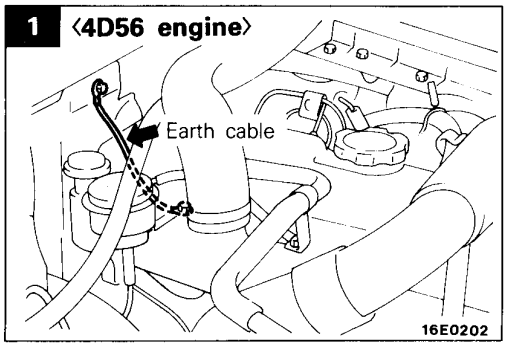


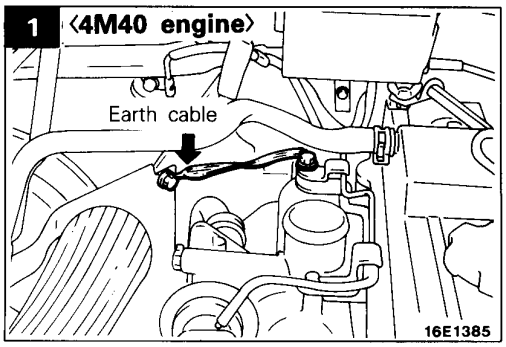
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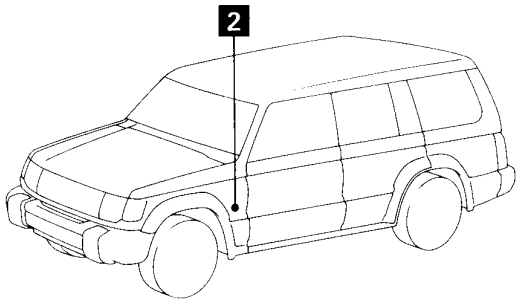




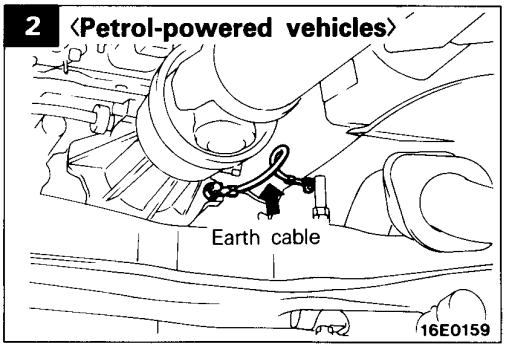




Under floor



18E0003

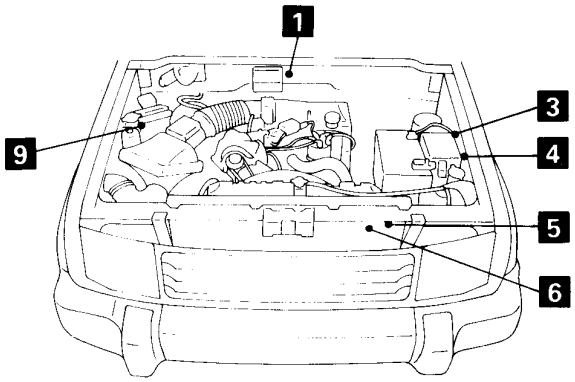


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EARTH

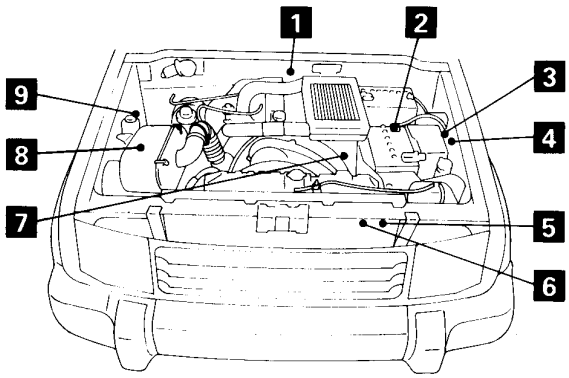
Engine compartment

〈Petrol-powered vehicles〉



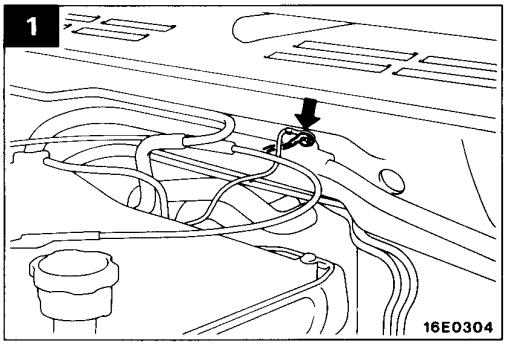
16E0128

〈Diesel-powered vehicles〉



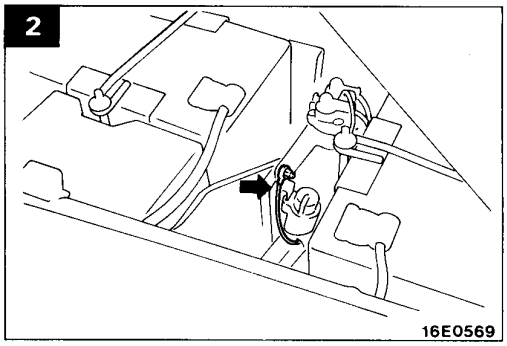
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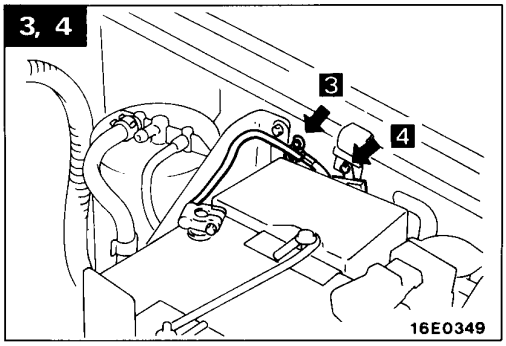
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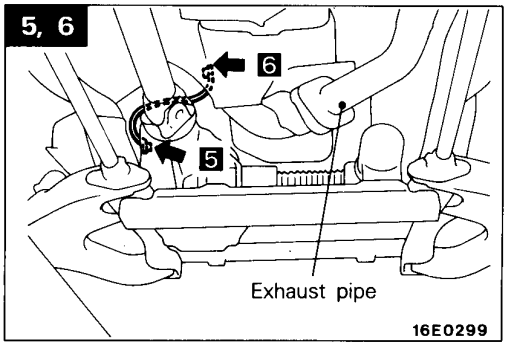
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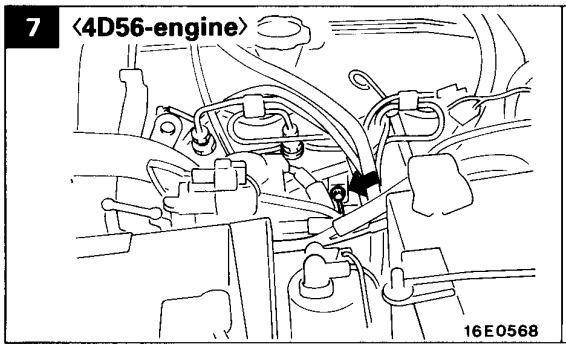
16E0349

5, 6



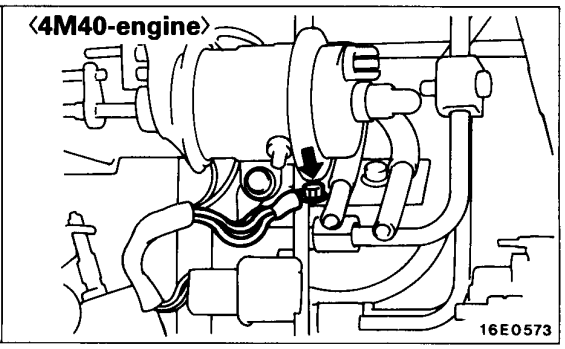
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7 〈4D56-engine〉



16E0568

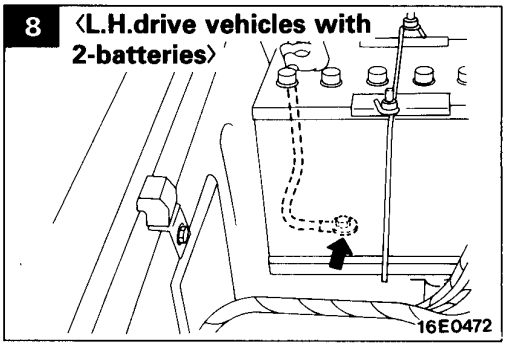
〈4M40-engine〉



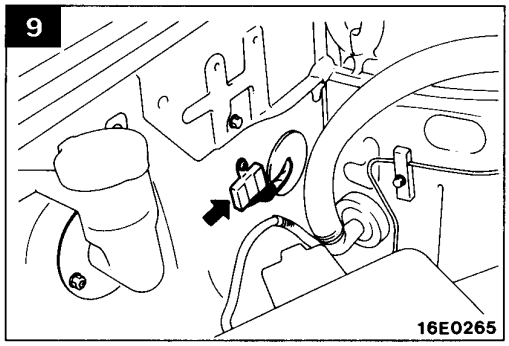
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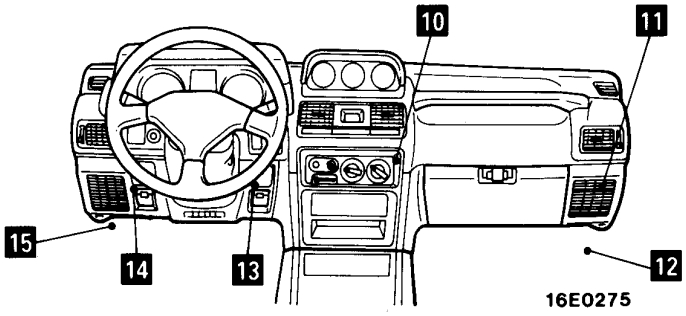
8 〈L.H.drive vehicles with 2-batteries〉



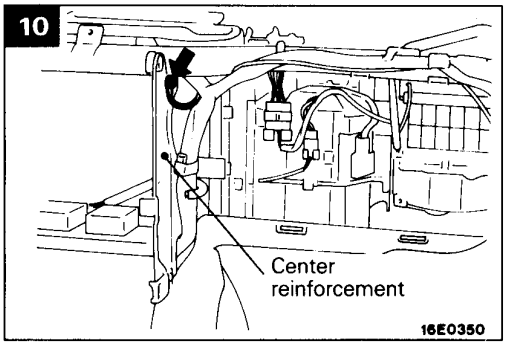
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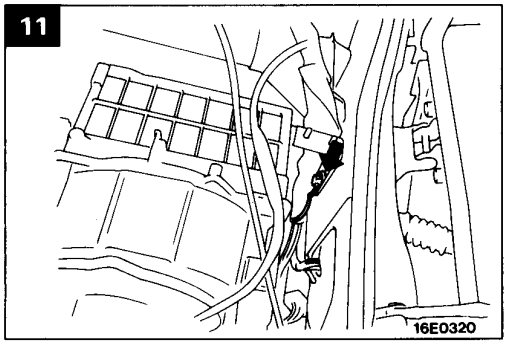
Interior



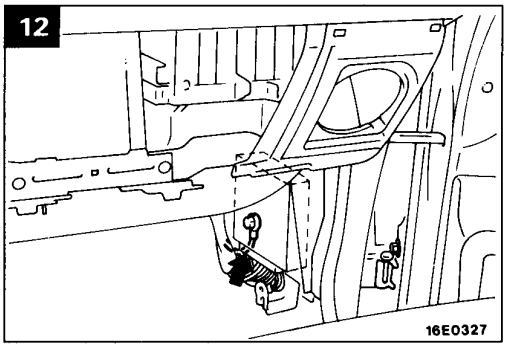
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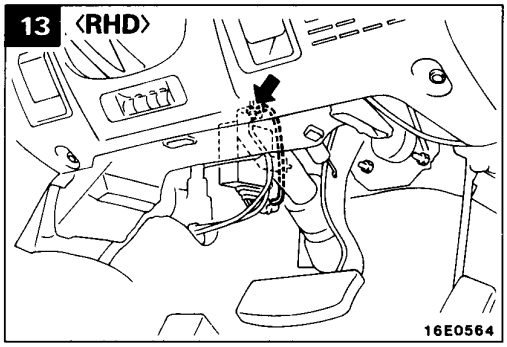
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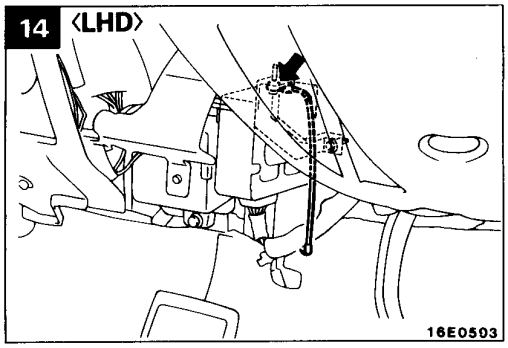
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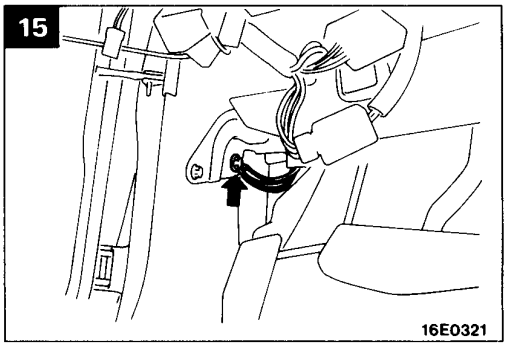


13 〈RHD〉

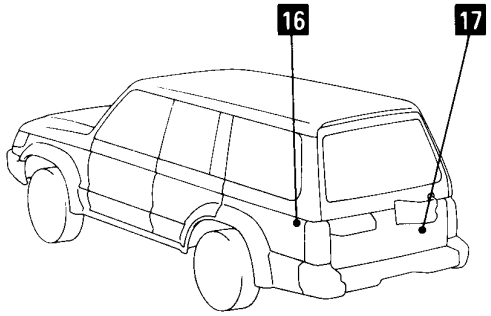


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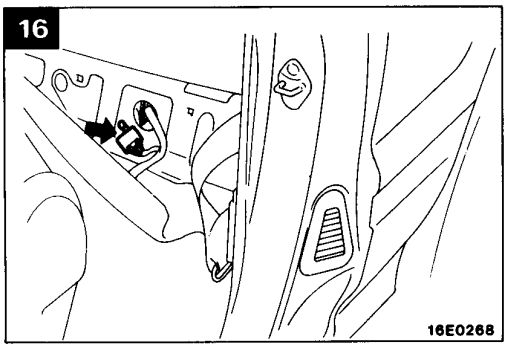


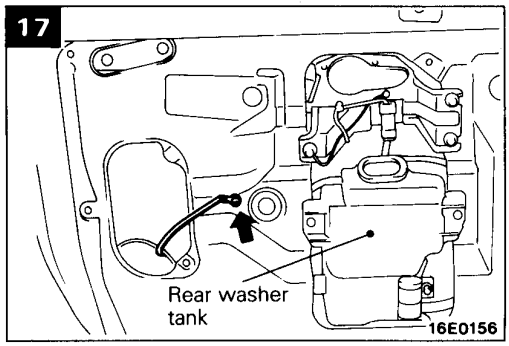


Floor, Back door



18E0004





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4A CIRCUIT DIAGRAM

JUNCTION BLOCK 4A-4

CENTRALIZED JUNCTION 4A-6

POWER DISTRIBUTION
- Petrol-powered vehicles 4A-10
- Diesel-powered vehicles 4A-16

STARTING SYSTEM
- 4G64 engine 4A-22
- 6G72, 6G74 engine 4A-23
- 4D56, 4M40 engine 4A-24

IGNITION SYSTEM
- 4G64 engine 4A-26
- 6G72 engine 4A-27
- 6G74 engine 4A-28

CHARGING SYSTEM
- 4G64, 6G72 engine 4A-30
- 6G74 engine 4A-31
- 4D56, 4M40 engine 4A-32

GLOW SYSTEM
- 4D56 engine <without supercharging pressure relief solenoid valve> 4A-34
- 4D56 engine <with supercharging pressure relief solenoid valve> 4A-36
- 4M40 engine <without supercharging pressure relief solenoid valve> 4A-38
- 4M40 engine <with supercharging pressure relief solenoid valve> 4A-40

MPI SYSTEM
- 4G64 engine-M/T 4A-42
- 6G72 engine-M/T 4A-46
- 6G72 engine-A/T 4A-54
- 6G74 engine-M/T 4A-62
- 6G74 engine-A/T 4A-72

OVERDRIVE CONTROL SYSTEM
- 6G72 engine 4A-82

ELC-4A/T
- 6G74 engine 4A-86
- 4M40 engine 4A-94

HEADLAMP
- L.H. drive vehicles without daytime running lamp <without SRS> 4A-101
- L.H. drive vehicles without daytime running lamp <with SRS> 4A-102
- L.H. drive vehicles with daytime running lamp <without SRS> 4A-104
- L.H. drive vehicles with daytime running lamp <with SRS> 4A-106
- R.H. drive vehicles without SRS 4A-110
- R.H. drive vehicles with SRS 4A-112

HEADLAMP LEVELING SYSTEM 4A-114

TAIL LAMP, CLEARANCE LAMP, LICENCE PLATE LAMP 4A-116

REAR FOG LAMP
- L.H. drive vehicles <without SRS> 4A-120
- L.H. drive vehicles <with SRS> 4A-122
- R.H. drive vehicles <without SRS> 4A-124
- R.H. drive vehicles <with SRS> 4A-126

ROOM LAMP
- Canvas top 4A-128
- 2-door models without sunroof 4A-129
- 2-door models with sunroof 4A-130
- 4-door models 4A-131

IGNITION KEY ILLUMINATION LAMP
- L.H. drive vehicles 4A-134
- R.H. drive vehicles 4A-135

TURN-SIGNAL LAMP AND HAZARD LAMP 4A-136

STOP LAMP 4A-139

BACK-UP LAMP
- M/T 4A-140
- A/T 4A-141

HORN
- Vehicles without SRS 4A-142
- Vehicles with SRS 4A-143

METER AND GAUGE
- 4G64 engine 4A-144
- 6G72, 6G74 engine 4A-146
- 4D56, 4M40 engine 4A-150

LOW FUEL WARNING LAMP 4A-154

FUEL FILTER WARNING LAMP 4A-154

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POWER SEAT 4A-333

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FUEL LINE HEATER 4A-338

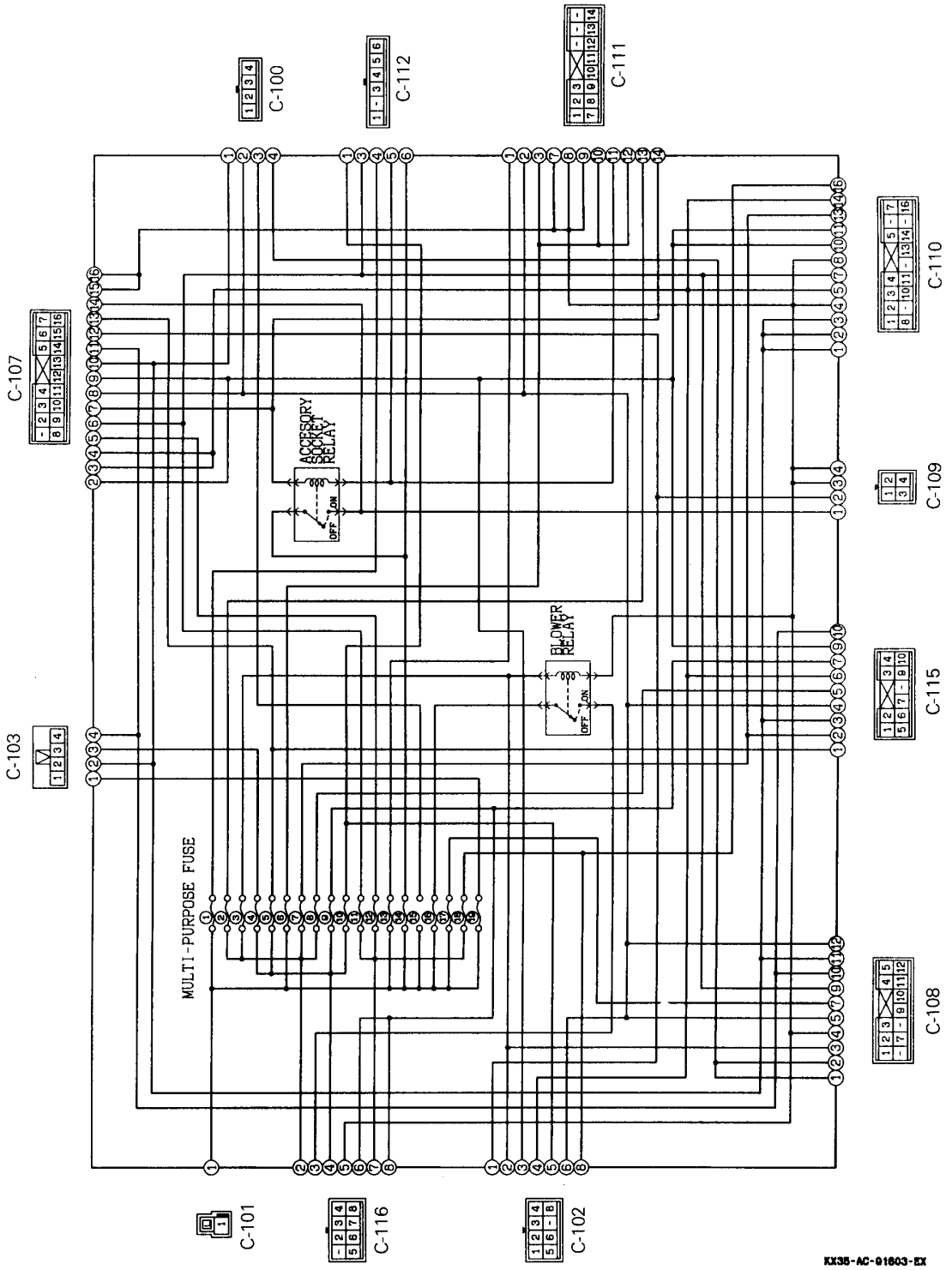
SUPPLEMENTAL RESTRAINT SYSTEM
Petrol-powerd vehicles 4A-340
Diesel-powerd vehicles 4A-342

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NOTES

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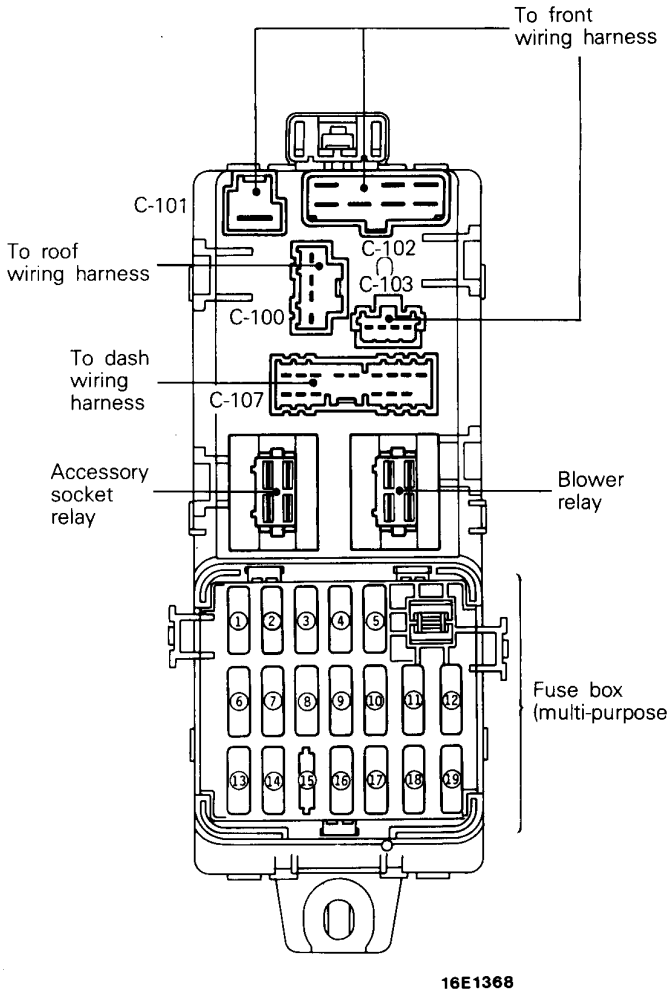
JUNCTION BLOCK



Remark
- Connector numbers are keyed to the configuration diagram (dashboard panel) and each circuit diagram.

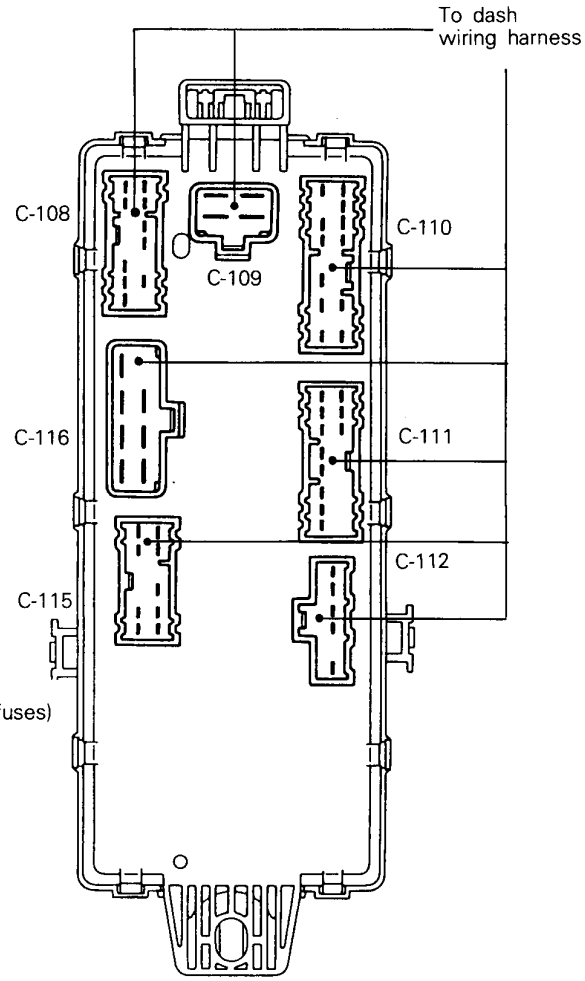
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Front



16E1368

Back



16F0058

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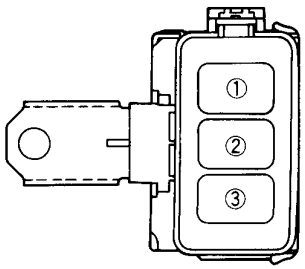
CENTRALIZED JUNCTION

FUSIBLE LINK

No.	Circuit	Housing colour	Rated capacity (A)
1	ABS circuit (hydraulic unit power source)	Yellow	60
2	——	——	——
3	Glow control circuit	Black	80
4	Junction block (Multi-purpose fuse ①, ⑥, ⑬, ⑭, ⑯, ⑰, ⑲ A/C circuit)	Yellow	60
5	Alternator circuit	Blue	100
6	MPI or intercooler fan circuit	Light blue	20
7	Ignition switch and starting circuit	Green	40
8	——	——	——
9	Defogger circuit	Pink	30
10	Power window circuit	Pink	30
11	——	——	——
12	Condenser fan motor circuit	Pink	30
13	Alternator, headlamp and tail lamp circuit	Green	40

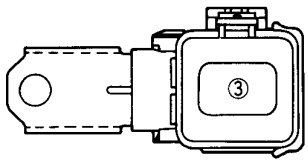
(Connected directly to battery positive terminal)

〈Vehicles with ABS〉



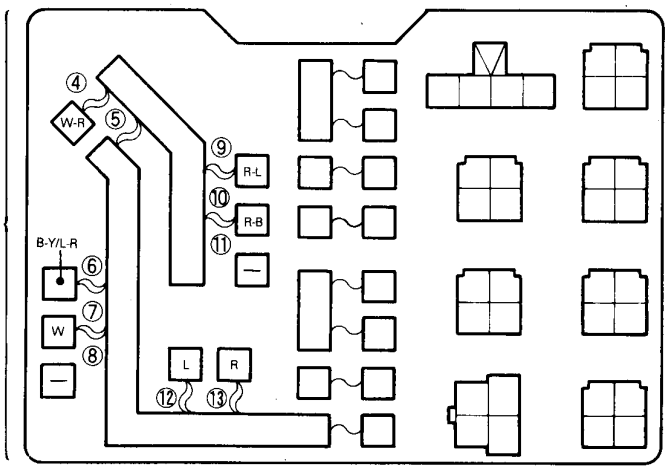
16A0336

〈Diesel-powered vehicles without ABS〉



16A0335

(Relay box in engine compartment)



16E1418

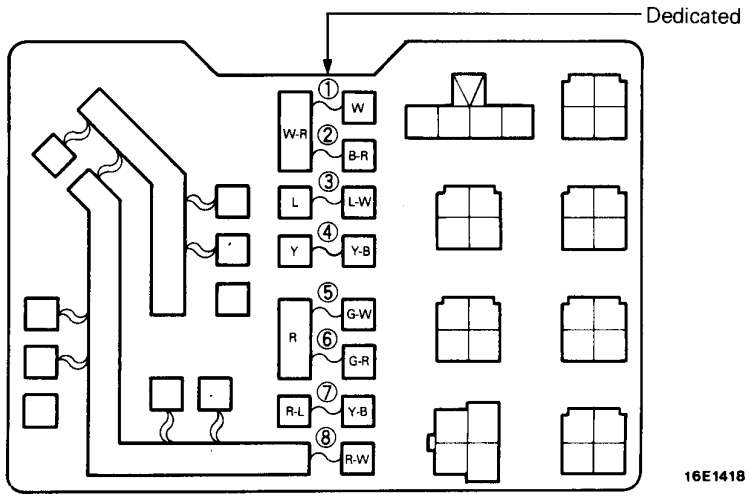
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DEDICATED FUSE

Power supply circuit	No.	Rated capacity (A)	Housing Colour	Circuit
Battery/Alternator	1	15	Blue	Fuel line heater
	2	10	Red	A/C compressor circuit
	3	25	Transparent	Condenser fan motor circuit
		30*	Green	
Headlamp relay (Battery)	4	10	Red	Rear fog lamp circuit
Tail lamp relay (Battery)	5	10	Red	Tail lamp circuit
Tail lamp relay (Battery)	6	10	Red	Tail lamp circuit
Headlamp relay (Battery)	7	10	Red	Upper beam indicator circuit
Battery/Alternator	8	10	Red	Hazard lamp circuit
Ignition switch (ACC)	9	15	Blue	Sunroof circuit

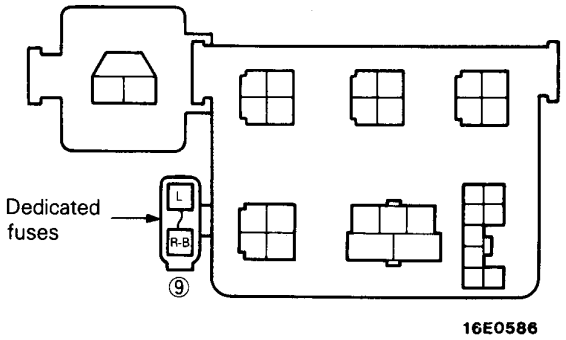
NOTE
(1) *: Diesel-powered vehicles with dual air conditioner.

(Relay box in engine compartment)

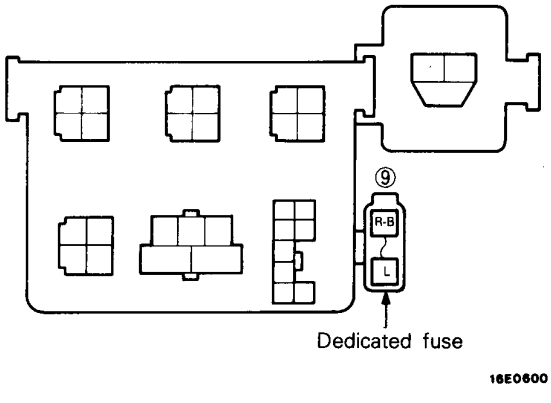


(Relay box in passenger compartment)

〈L.H. drive vehicles〉



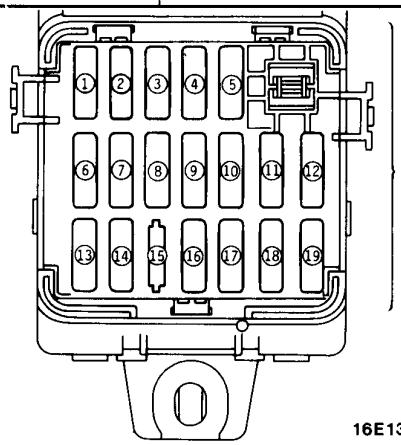
〈R.H. drive vehicles〉



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MULTI-PURPOSE FUSES (In junction block)

Power supply circuit		No.	Rated capacity (A)	Load circuit
Battery		1	20	Rear A/C control unit
Ignition switch	(IG2)	2	10	Overdrive control relay, ELC-4A/T control unit and auto-cruise control unit
		3	10	DRL control unit, blower relay, rear heater relay, headlamp washer relay, defogger relay, and wiper deicer timer
	(ACC)	4	10	Radio, clock, accessory socket relay and auto-cruise control unit
		5	15	Remote control mirror, cigarette lighter
Battery		6	15	Door lock control unit
Ignition switch	(IG2)	7	10	Variable shock absorber control unit, ABS control unit, 4WD indicator control unit, 4WD indicator relay
		8	10	Power window relay and heated seat
	(ACC)	9	15	Wiper and washer
		10	10	Horn
	(IG1)	11	10	Combination meter and motor antenna control unit
		12	10	Turn-signal lamp and hazard lamp and SRS diagnosis unit
Battery		13	10	Rear heater blower motor
		14	15	Accessory socket relay
		15	—	—
		16	25	Blower motor
		17	15	Stop lamp
Ignition switch	(IG1)	18	15	Back-up lamp and rear differential lock control unit, SRS diagnosis unit
Battery		19	10	Engine control unit, ELC-4A/T control unit, room lamp, map lamp, cargo space lamp, combination meter, radio, clock, door lock control unit, auto-cruise control unit and ABS control unit and SRS diagnosis unit

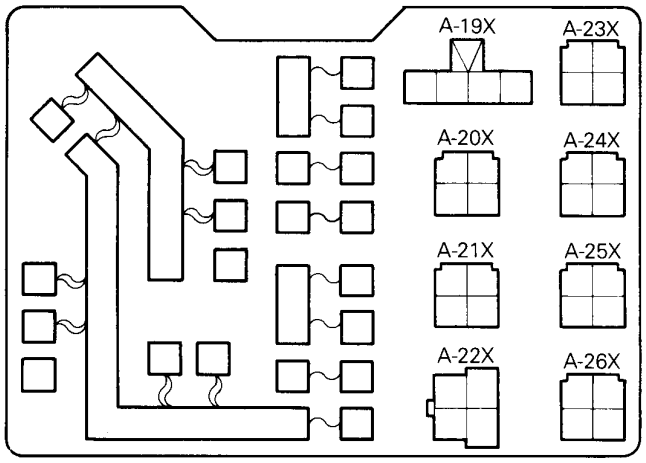


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CENTRALIZED RELAY

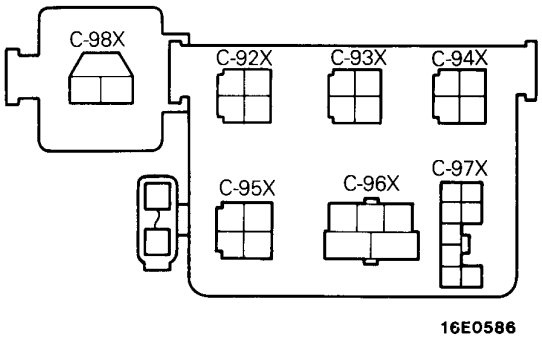
Classification		Name	Classification		Name
Relay box in engine compartment	A-19X	Jumper connector	Relay box in passenger compartment	C-92X	—
	A-20X	Headlamp relay		C-93X	Rear heater relay
	A-21X	Intercooler fan motor relay		C-94X	Power window relay
	A-22X	Alternator relay		C-95X	Door lock control unit
	A-23X	Rear fog lamp relay		C-96X	Defogger relay
	A-24X	Tail lamp relay		C-97X	Rear intermittent wiper relay
	A-25X	Condenser fan motor relay		C-98X	Turn and hazard flasher unit
	A-26X	A/C compressor relay			

(Relay box in engine compartment)

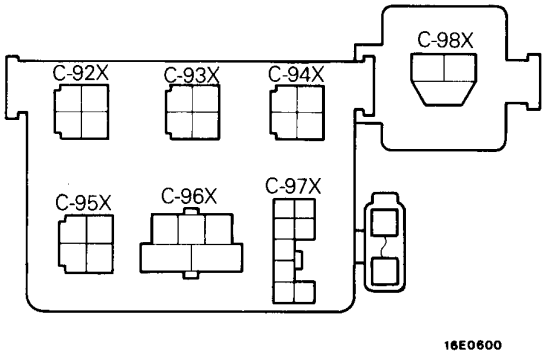


(Relay box in passenger compartment)

〈L.H. drive vehicles〉

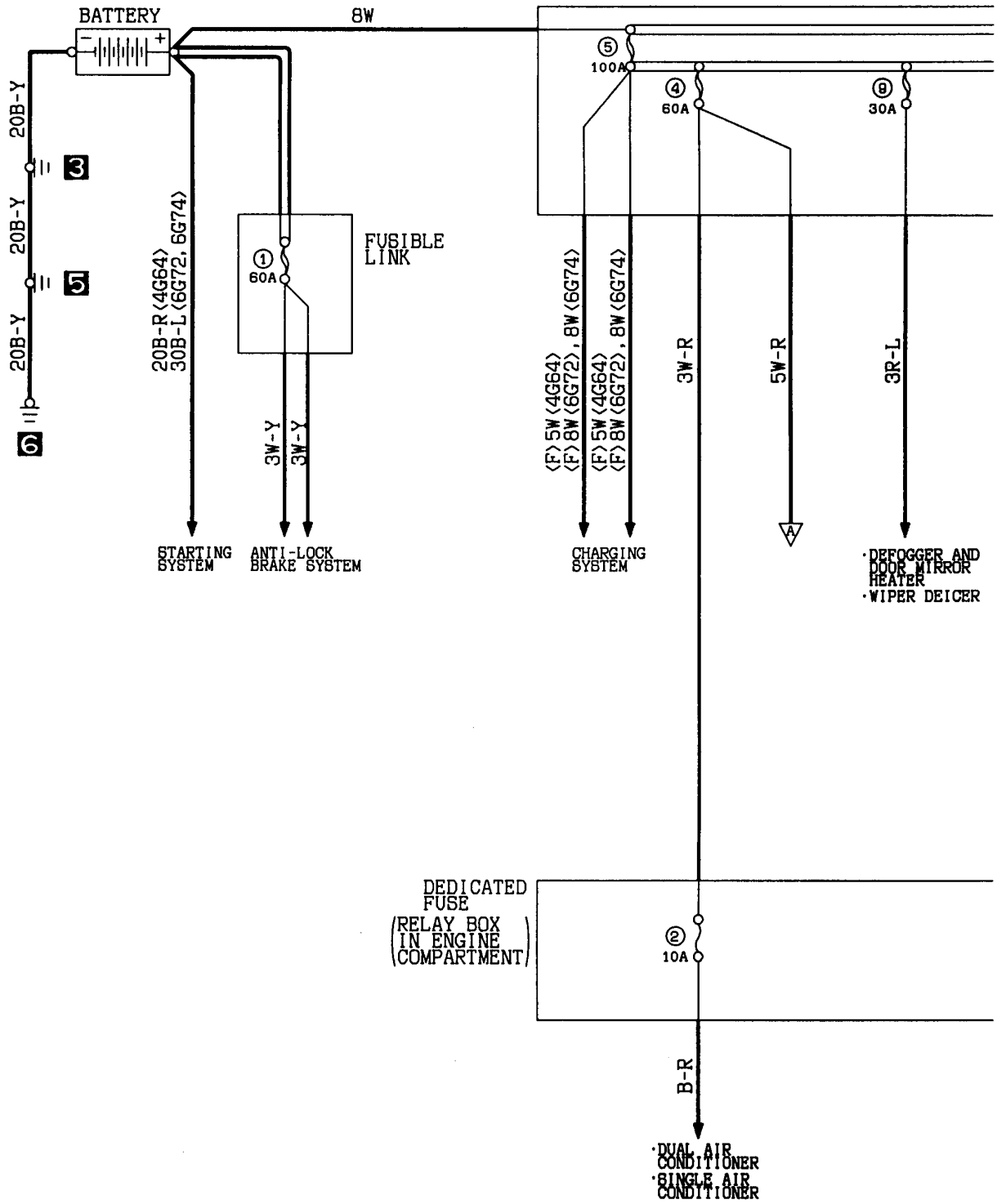


〈R.H. drive vehicles〉



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POWER DISTRIBUTION SYSTEM
<Petrol-powered vehicles>



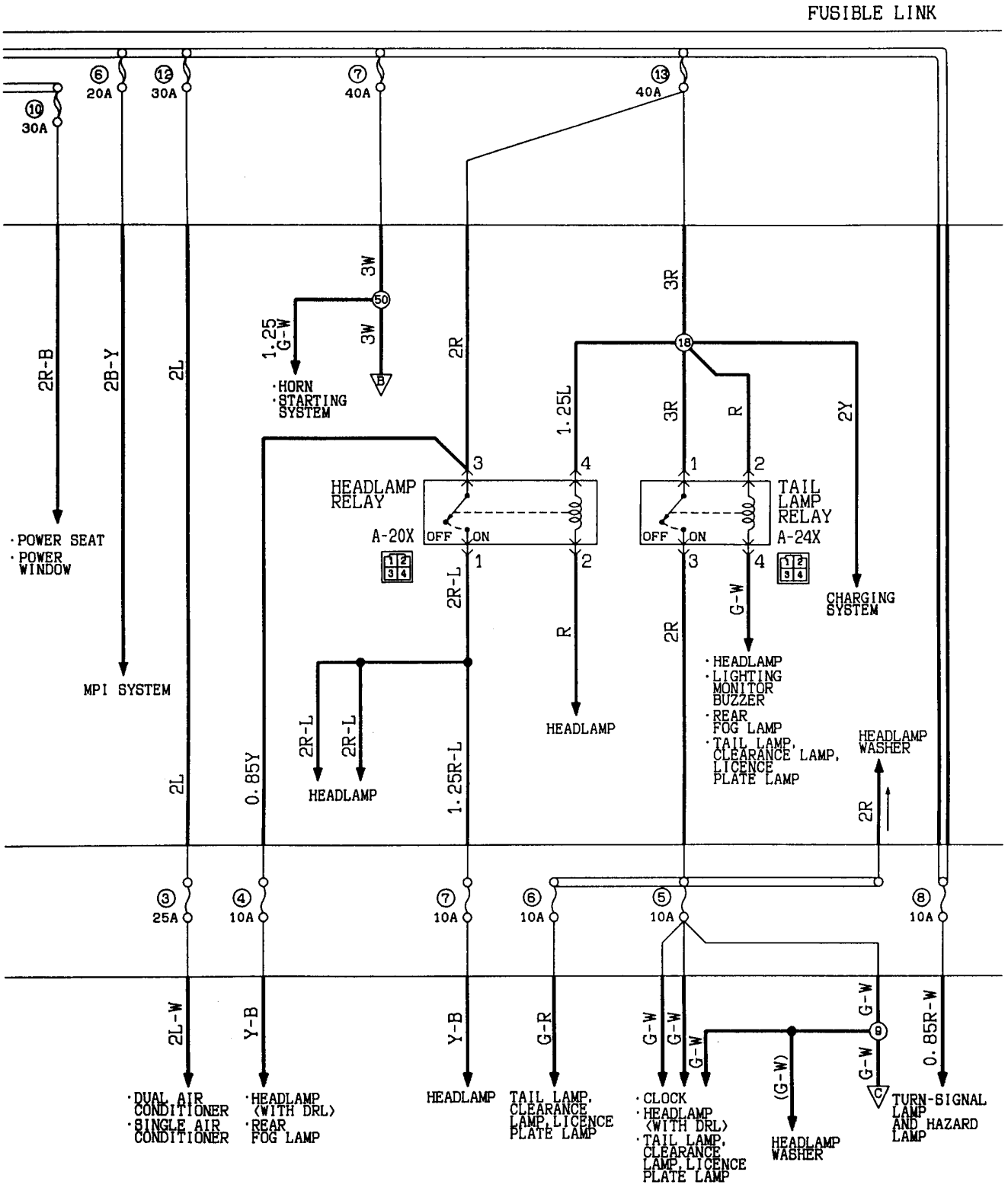
Wire colour code

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

KX35-AC-00105-EC

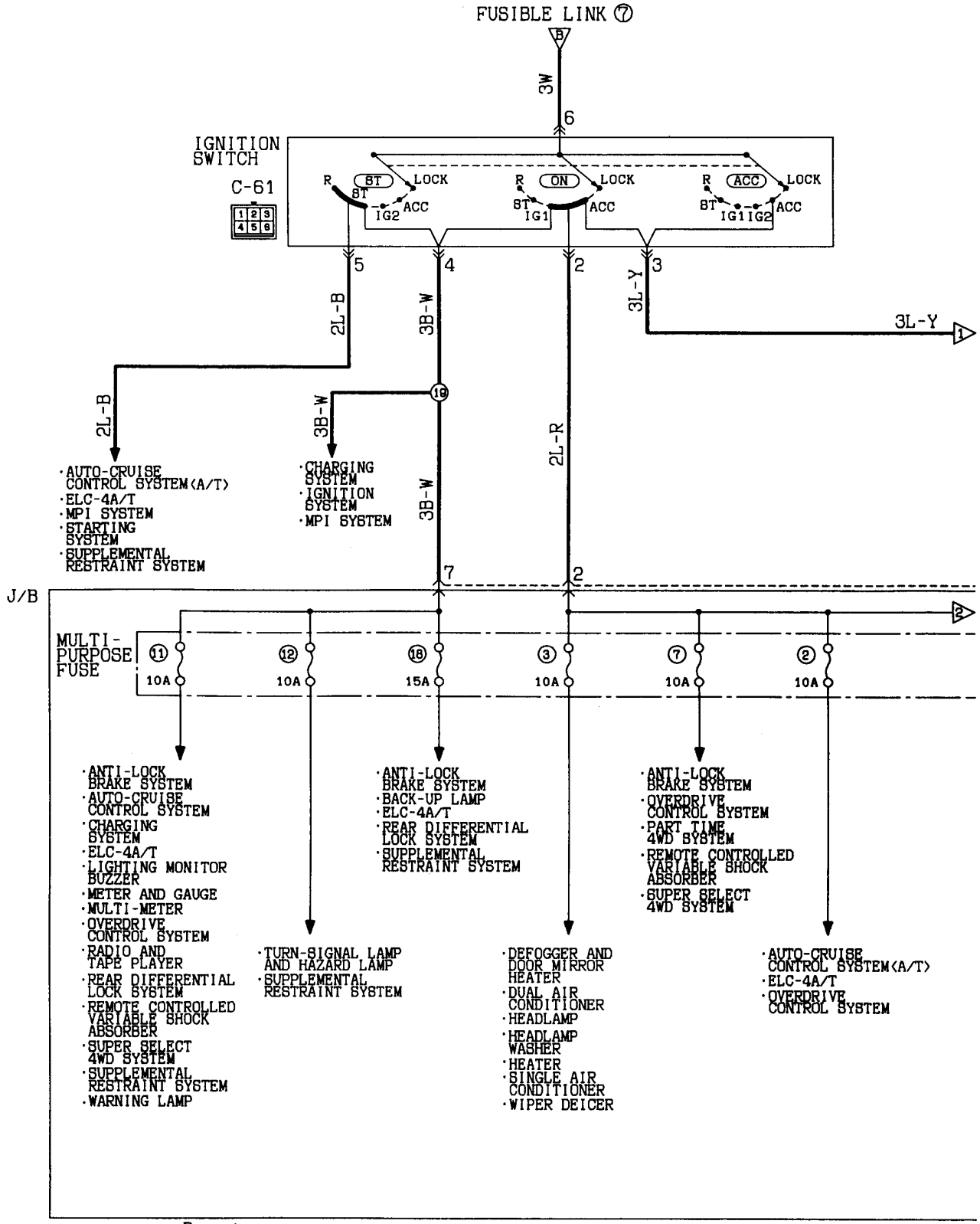
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POWER DISTRIBUTION SYSTEM<Petrol-powered vehicles> (CONTINUED)

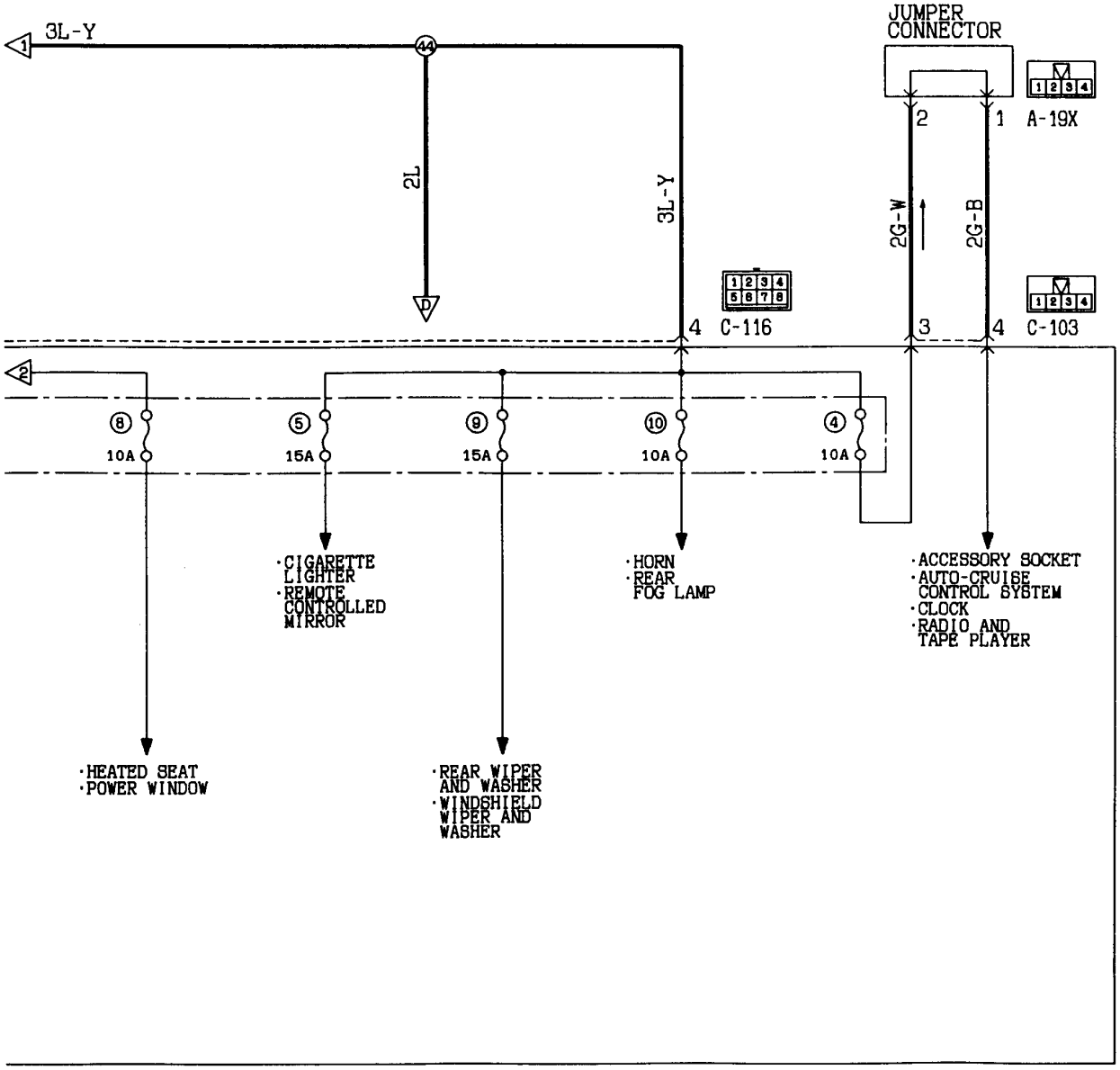


Remark
·The above circuit diagram shows the current flow at the ignition key position "ACC", "ON" and "ST" combined. Be sure trace the appropriate circuit depending on the ignition key position.

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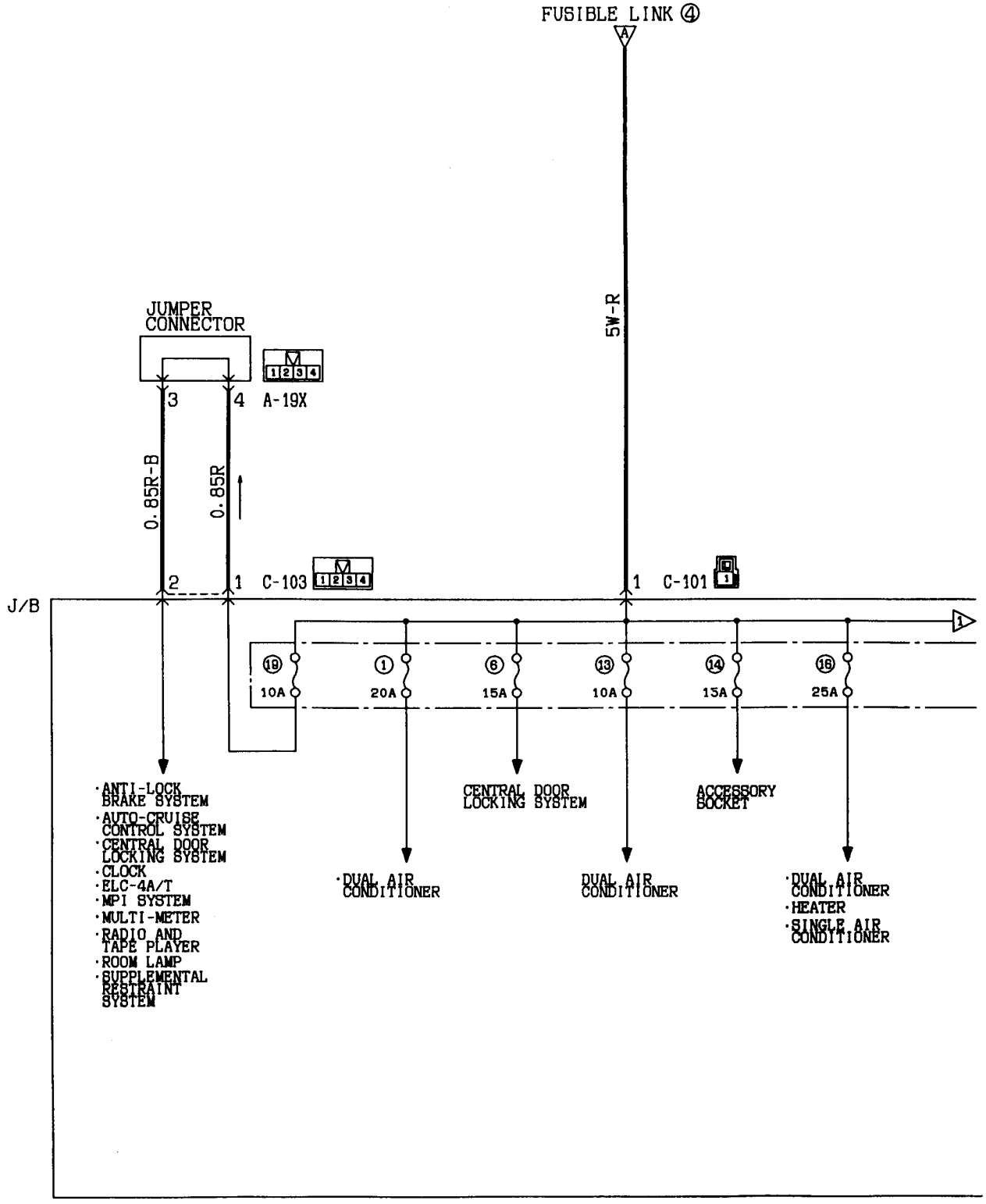
Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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POWER DISTRIBUTION SYSTEM<Petrol-powered vehicles> (CONTINUED)



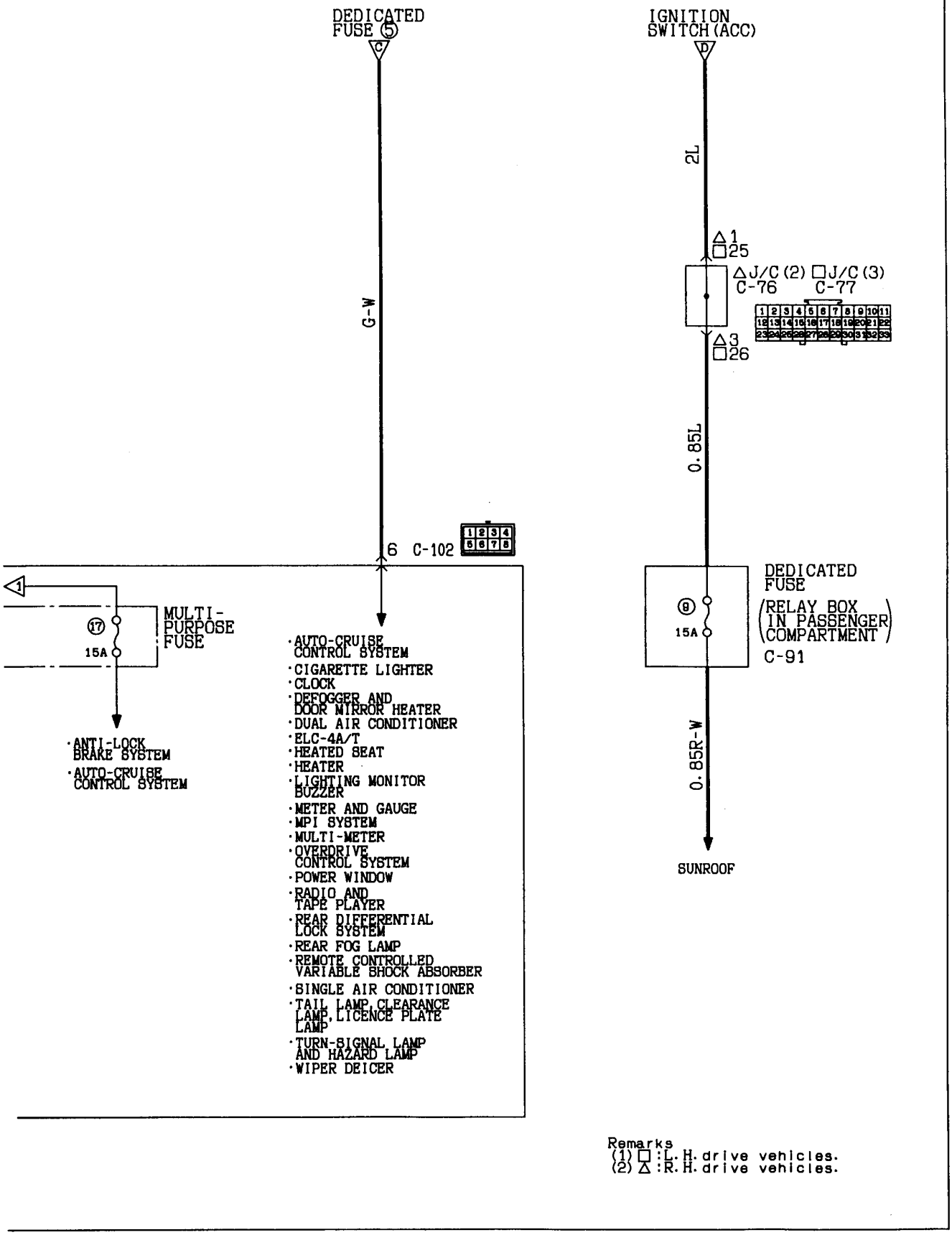
Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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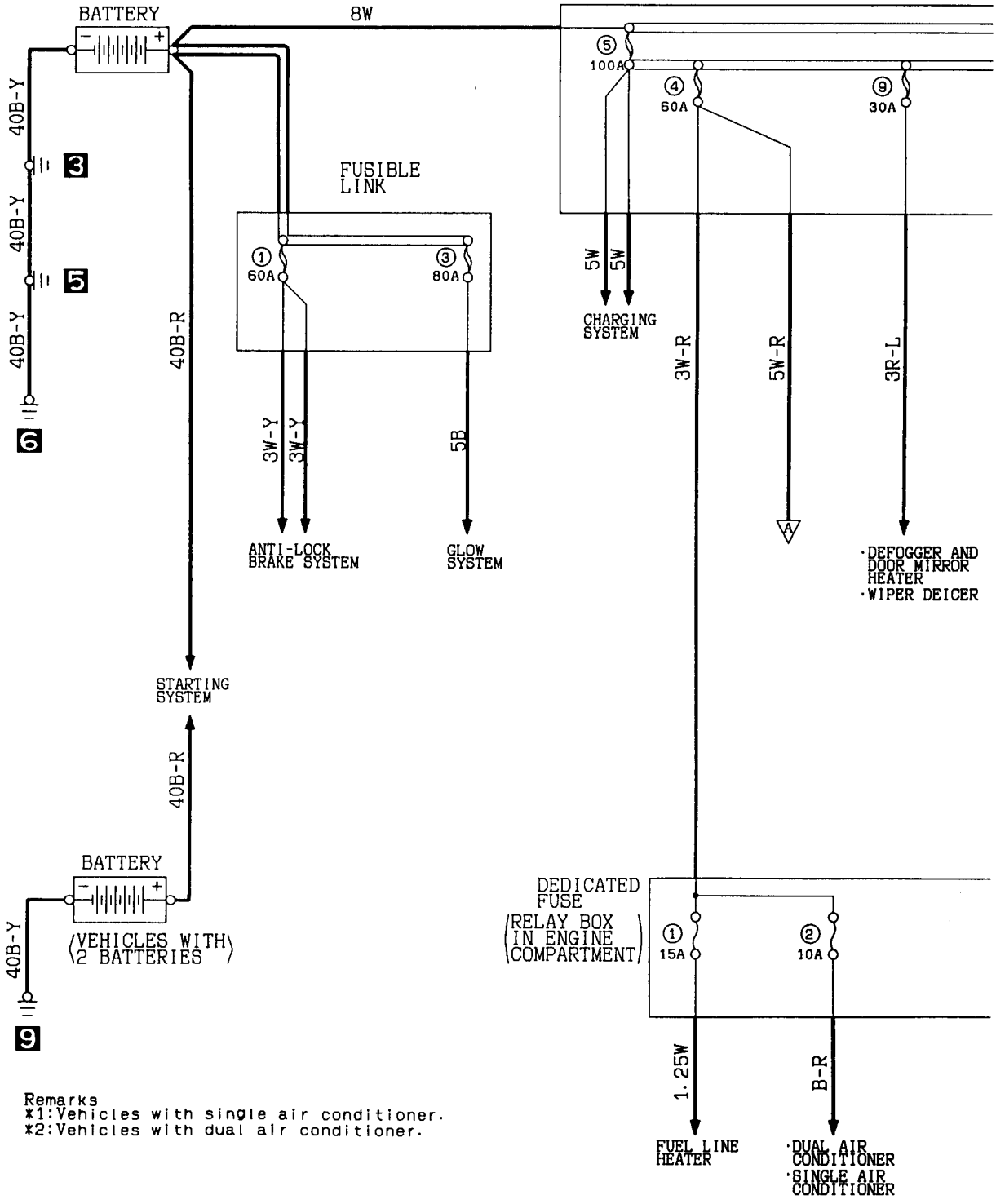
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POWER DISTRIBUTION SYSTEM
<Diesel-powered vehicles>



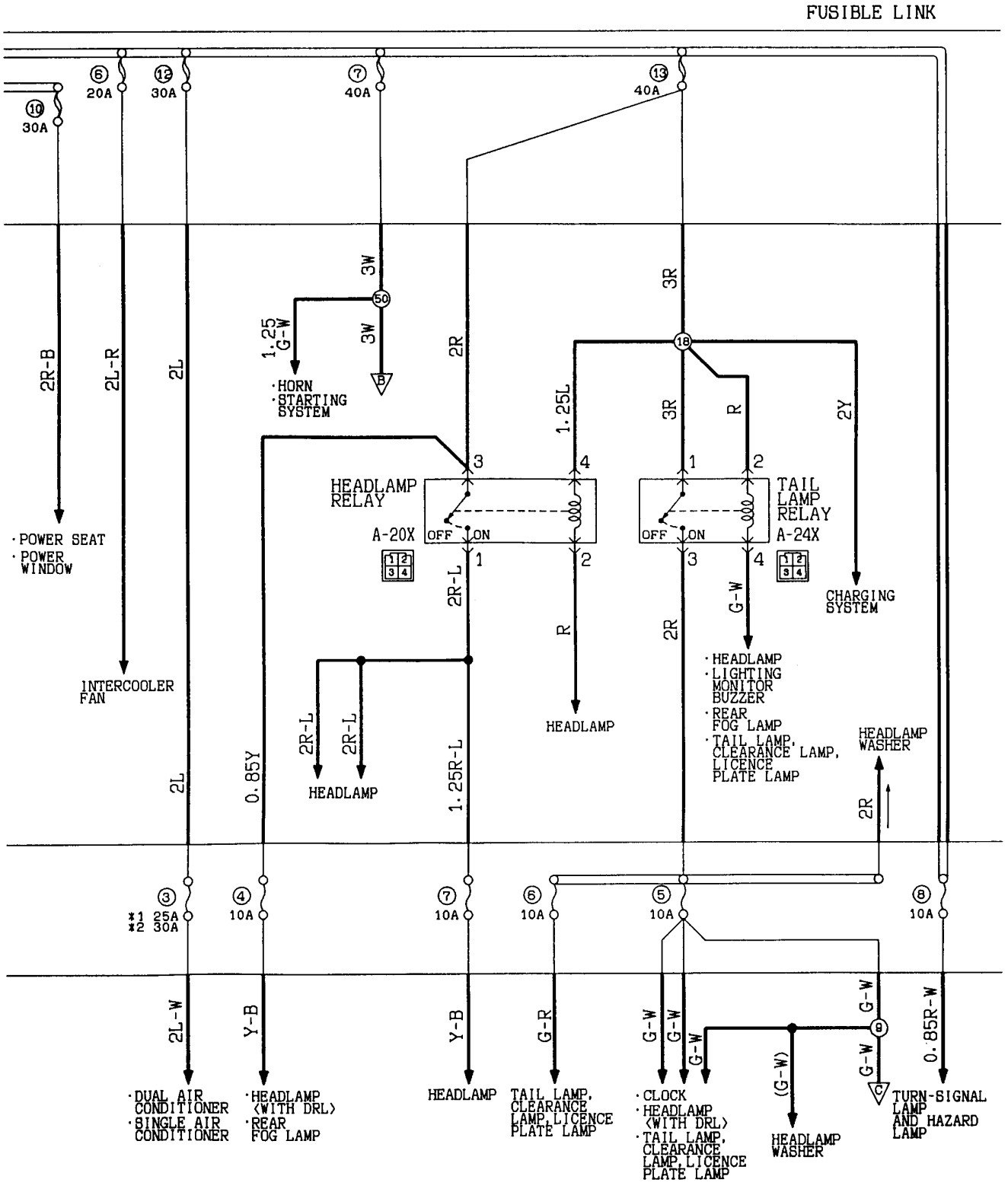
Remarks
*1: Vehicles with single air conditioner.
*2: Vehicles with dual air conditioner.

Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-00104-EC

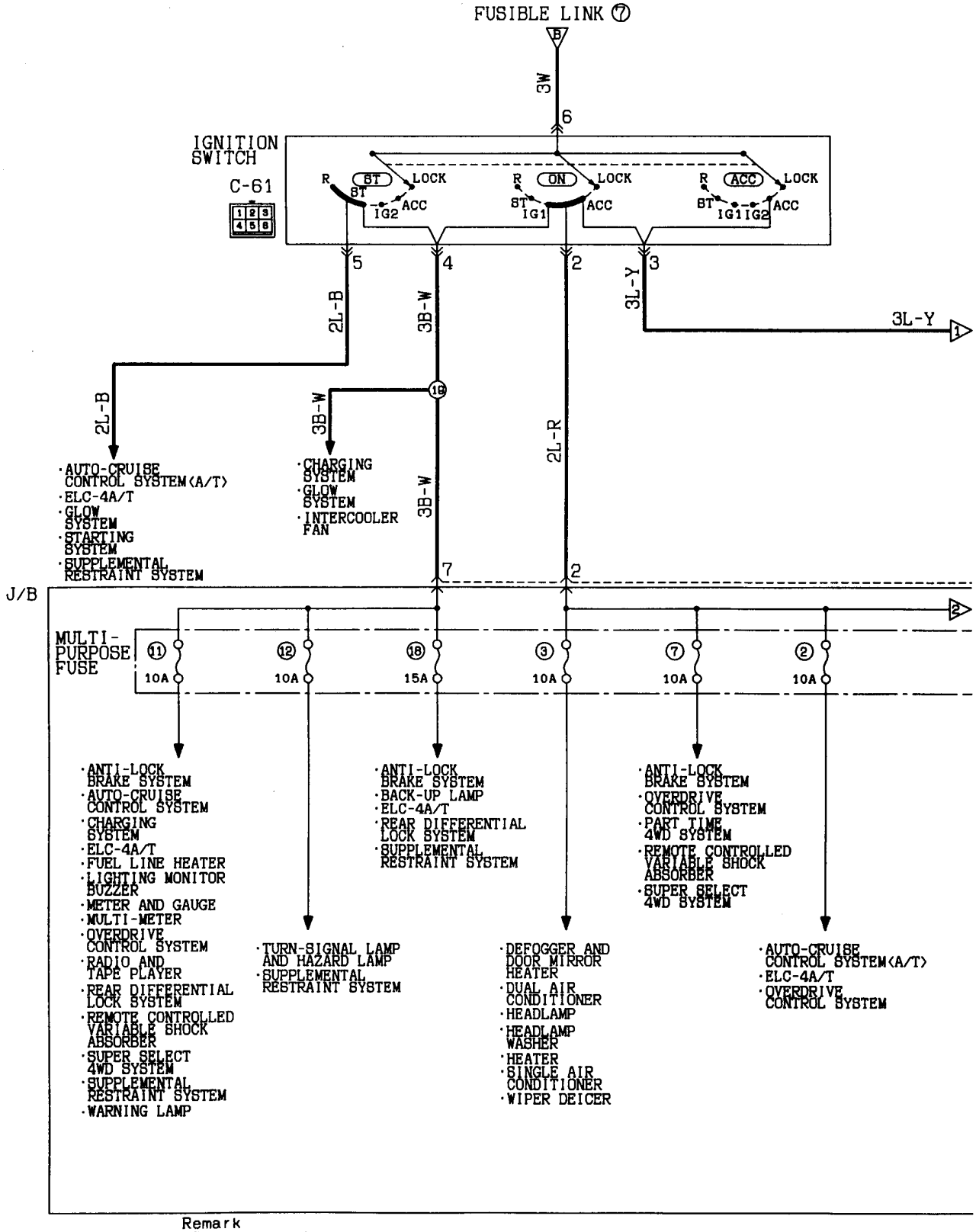
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POWER DISTRIBUTION SYSTEM<Diesel-powered vehicles> (CONTINUED)

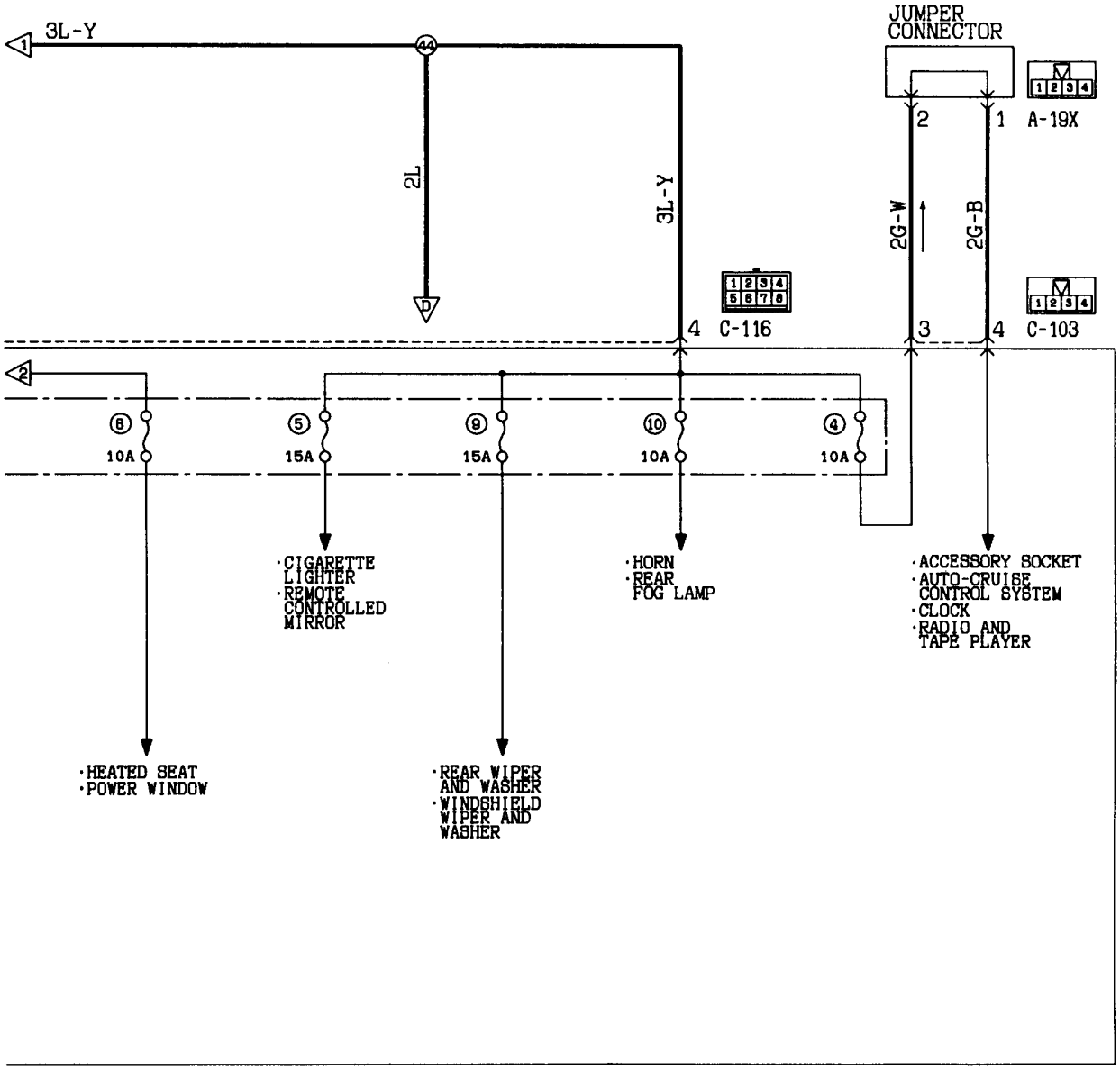


Remark
·The above circuit diagram shows the current flow at the ignition key position "ACC", "ON" and "ST" combined. Be sure trace the appropriate circuit depending on the ignition key position.

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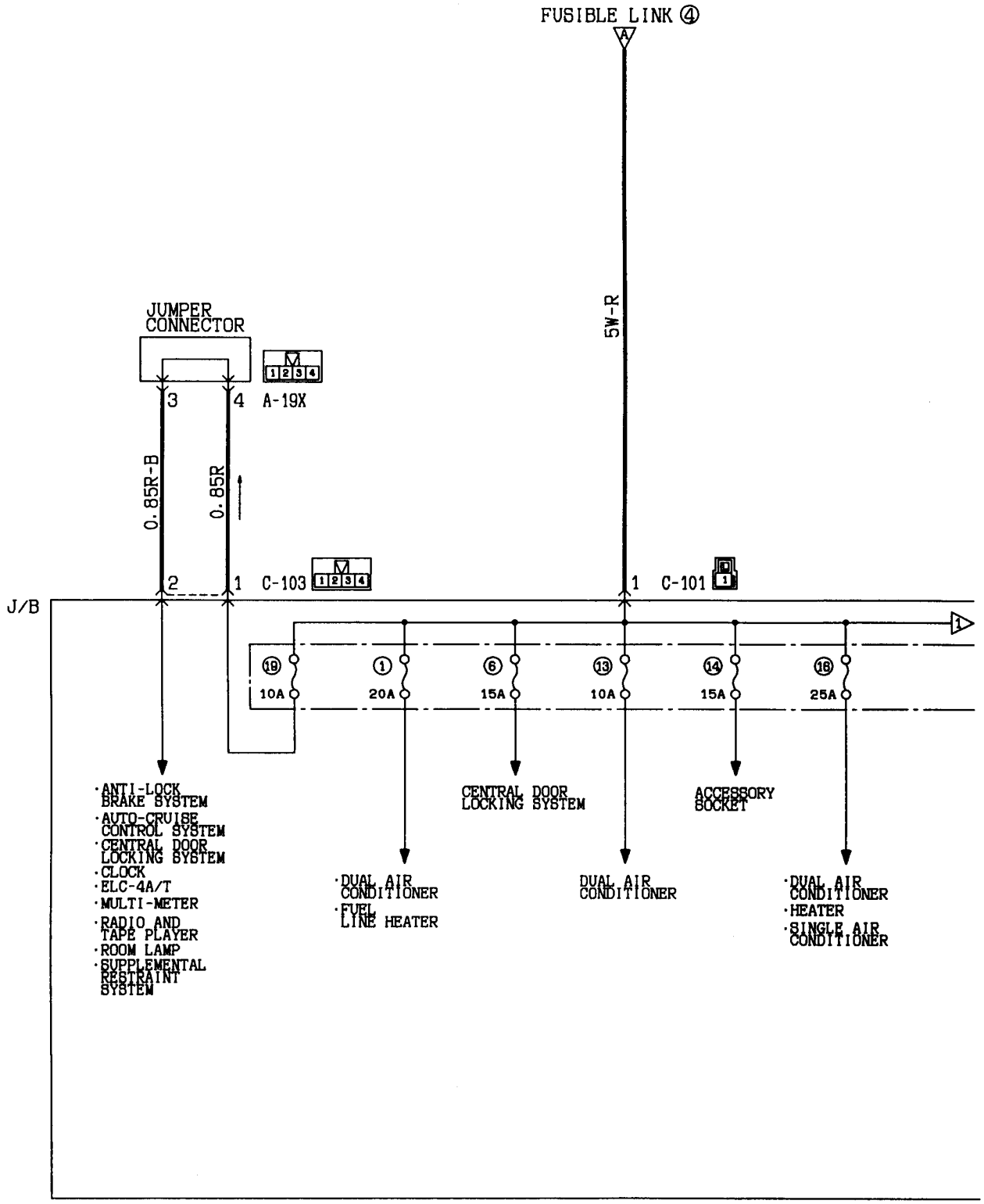
Wire colour code

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

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POWER DISTRIBUTION SYSTEM<Diesel-powered vehicles> (CONTINUED)



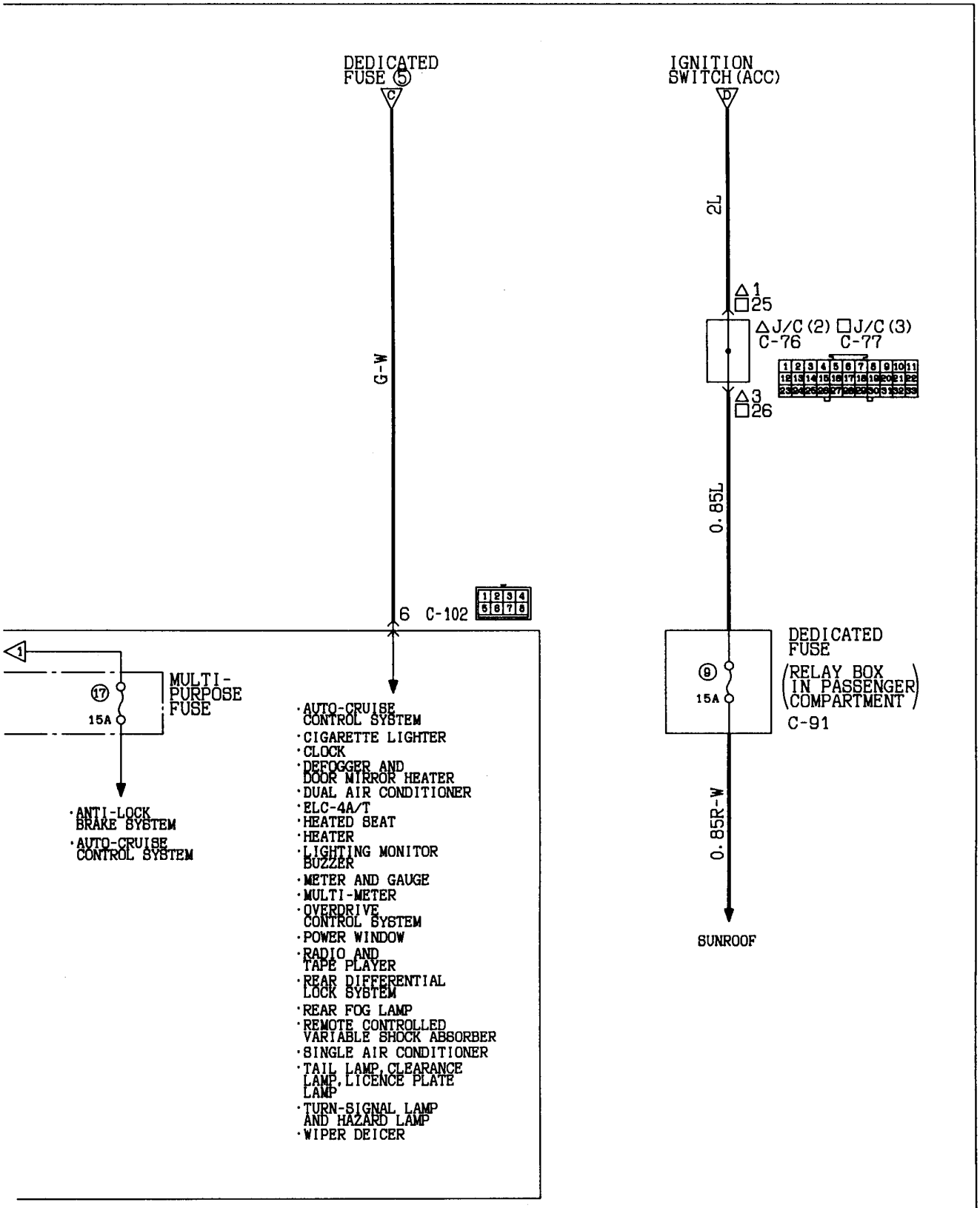
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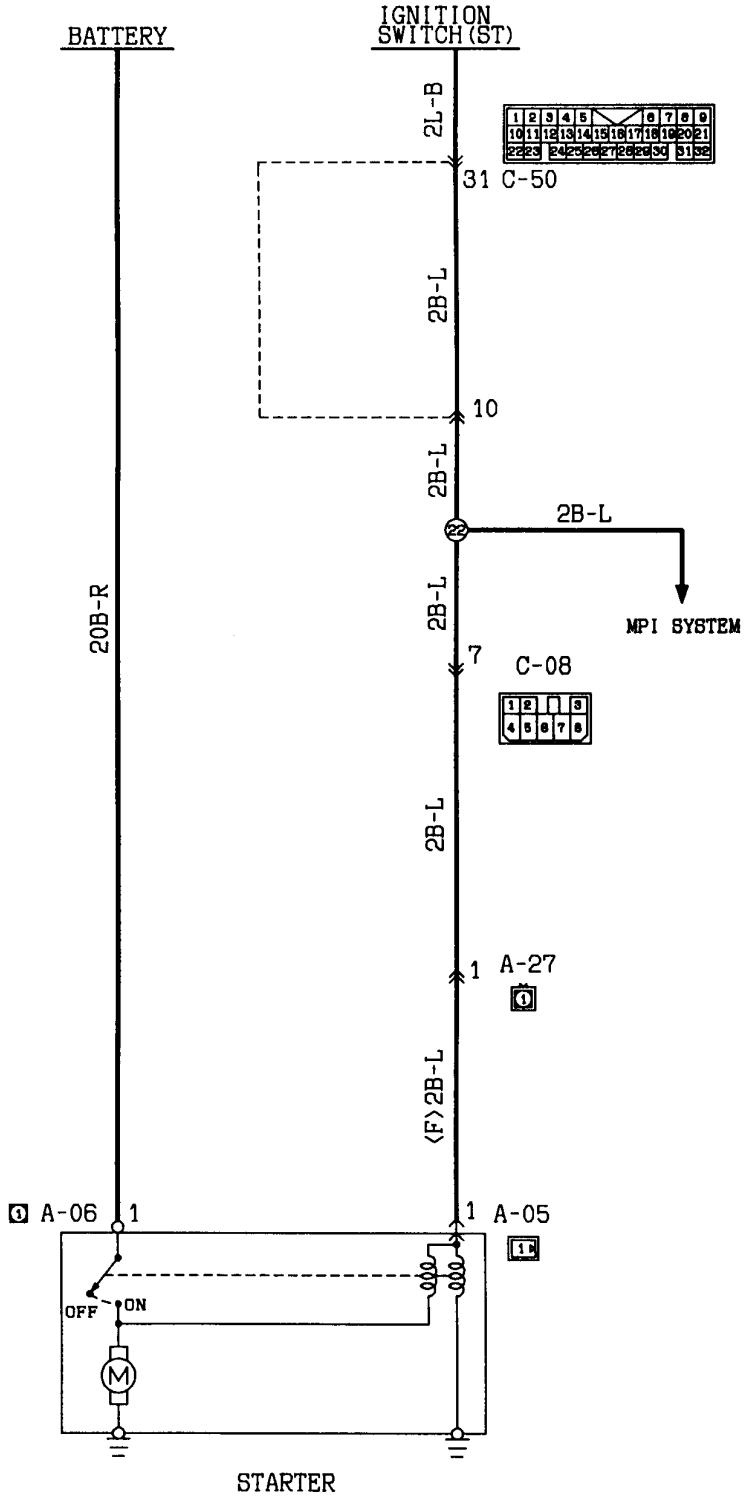
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Remarks
(1) □ : L.H. drive vehicles.
(2) △ : R.H. drive vehicles.

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STARTING SYSTEM
4G64 engine



Wire colour code

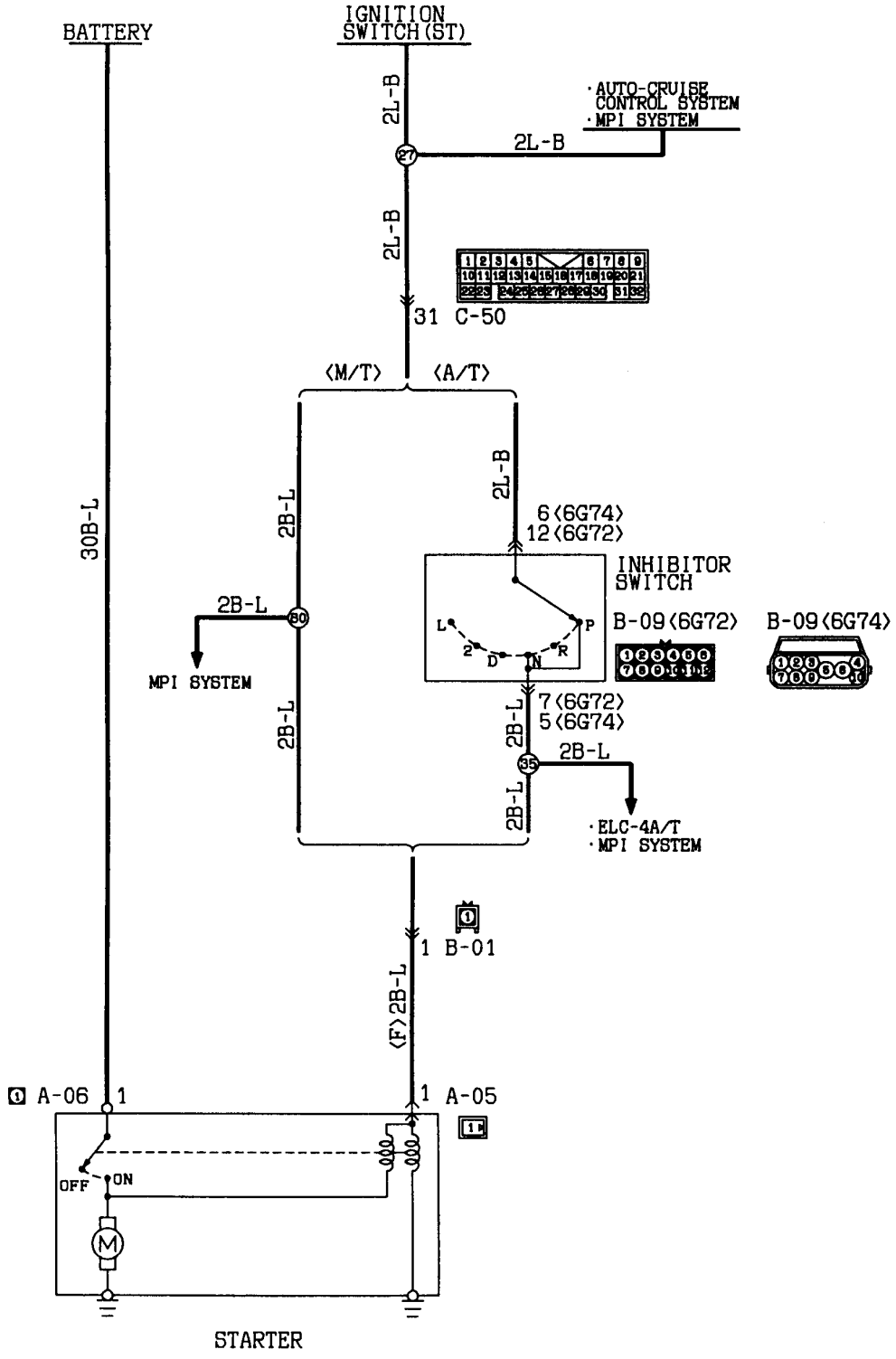
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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STARTING SYSTEM
6G72, 6G74 engine



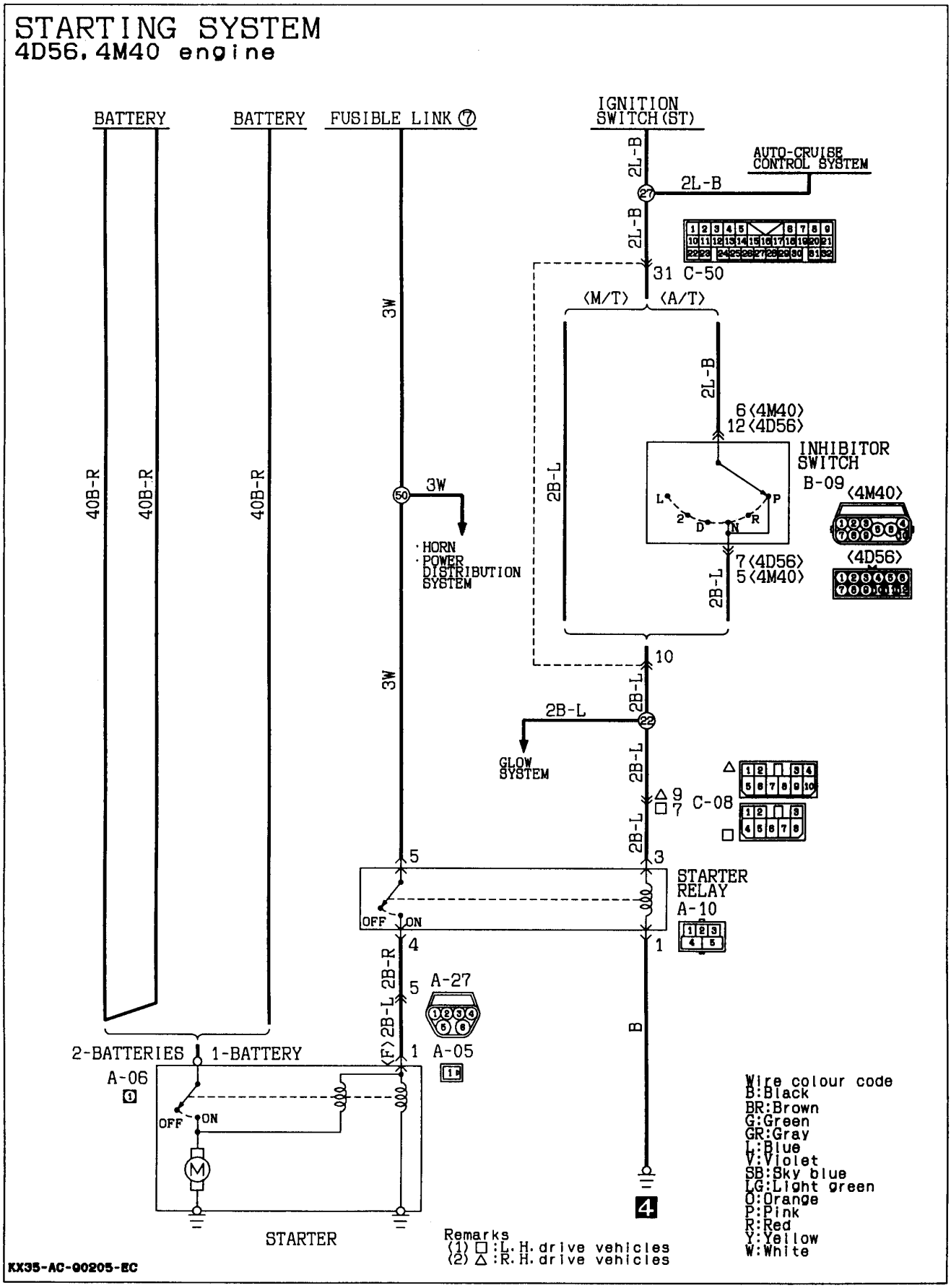
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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STARTING SYSTEM
4D56, 4M40 engine



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STARTING SYSTEM (See P. 4A-22, 23, 24.)

OPERATION

〈Petrol-powered vehicles〉

- On vehicles with automatic transmission, placing the ignition switch in the ST position with the selector lever in P or N position causes the starter contacts (magnet switch) to close energizing the starter motor.

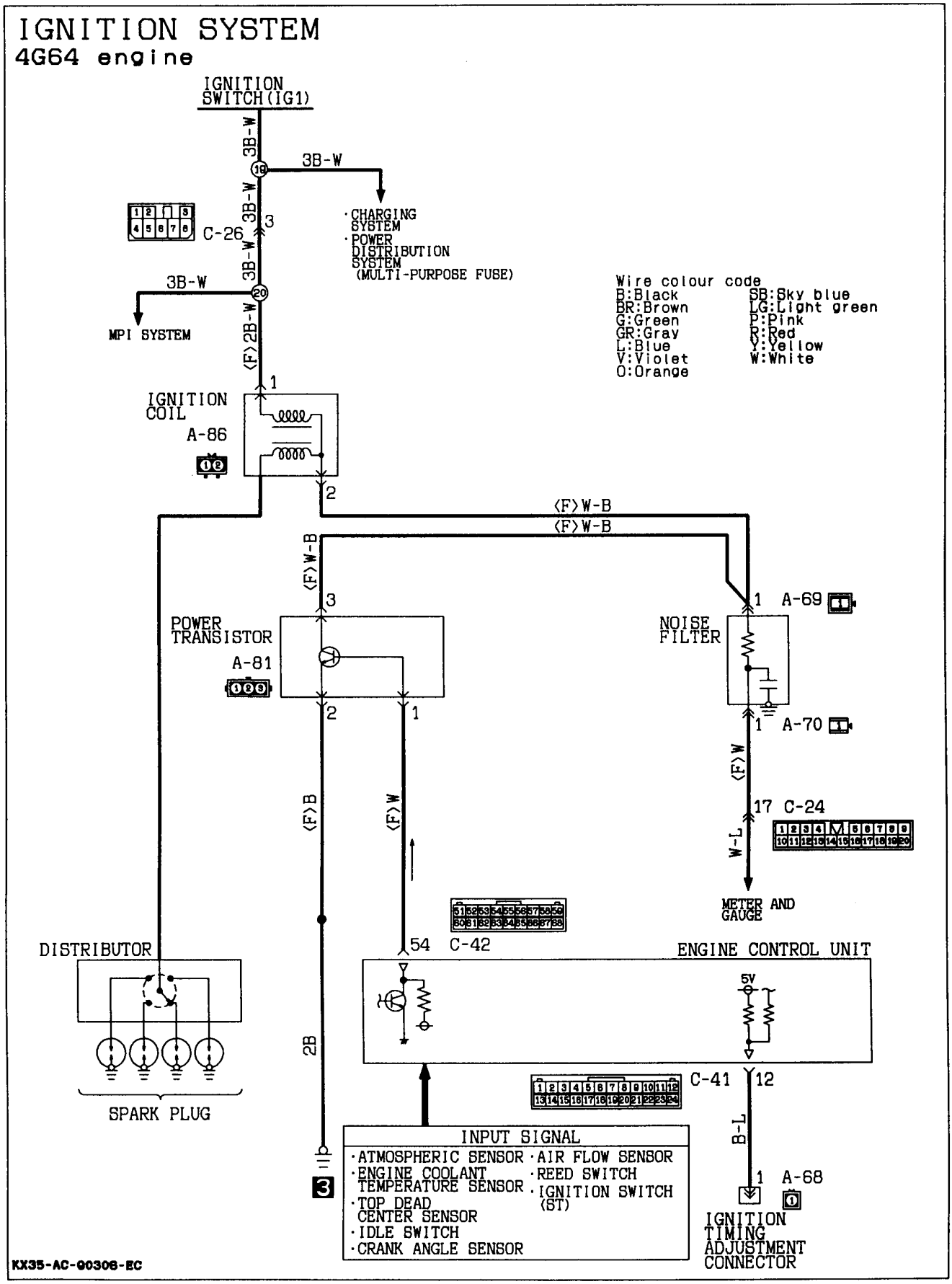
〈Diesel-powered vehicles〉

- On vehicles with automatic transmission, placing the ignition switch in the ST position with the selector lever in P or N position, the starter relay becomes on. This will turn on the contacts of the starter (magnetic switch) to revolve the starter motor.

TROUBLESHOOTING HINTS

1. Starter motor does not turn over at all.
   - Check starter (coil).
   - Check battery terminals for proper contact.
2. Starter motor does not stop rotating.
   - Check starter (magnet switch).

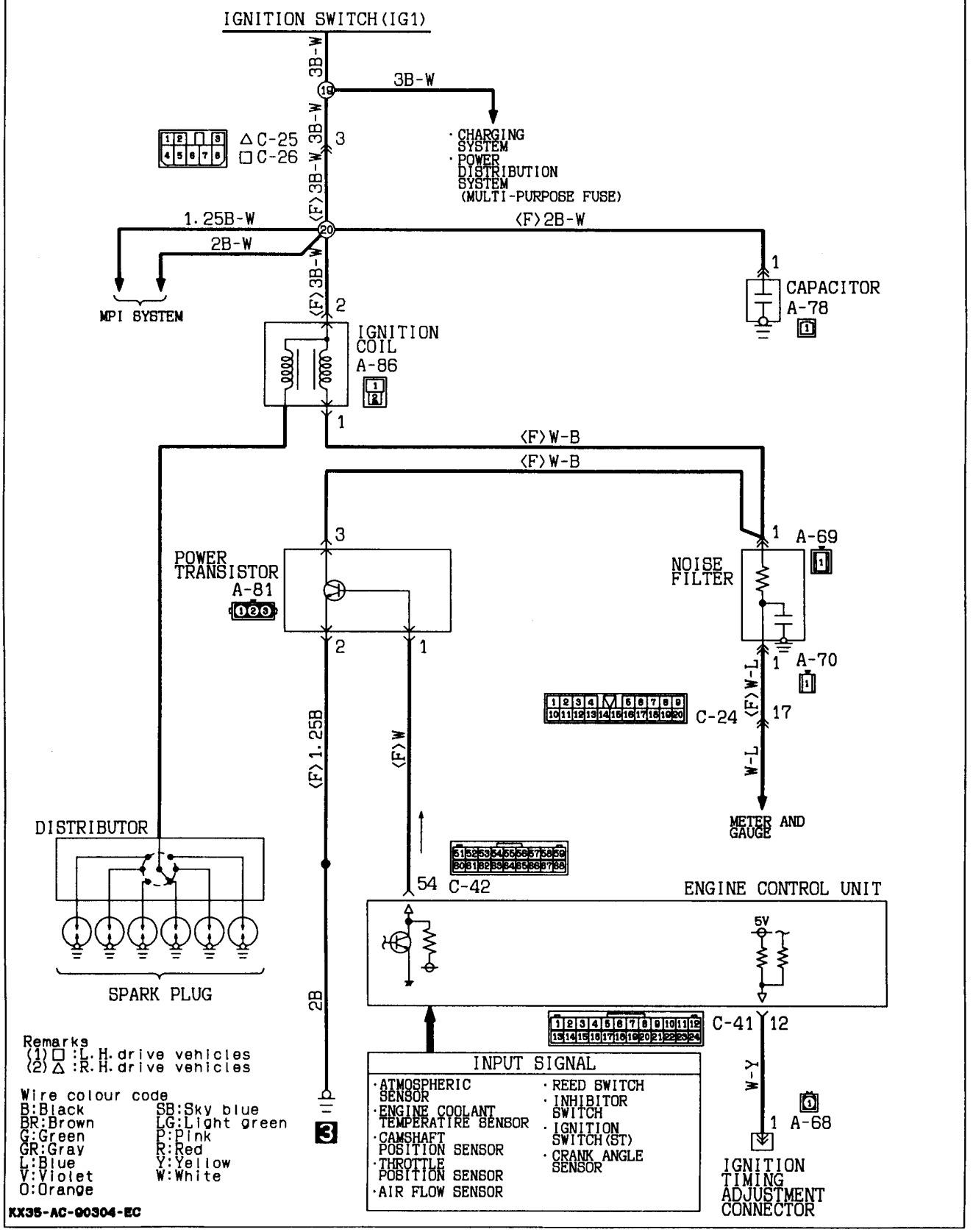
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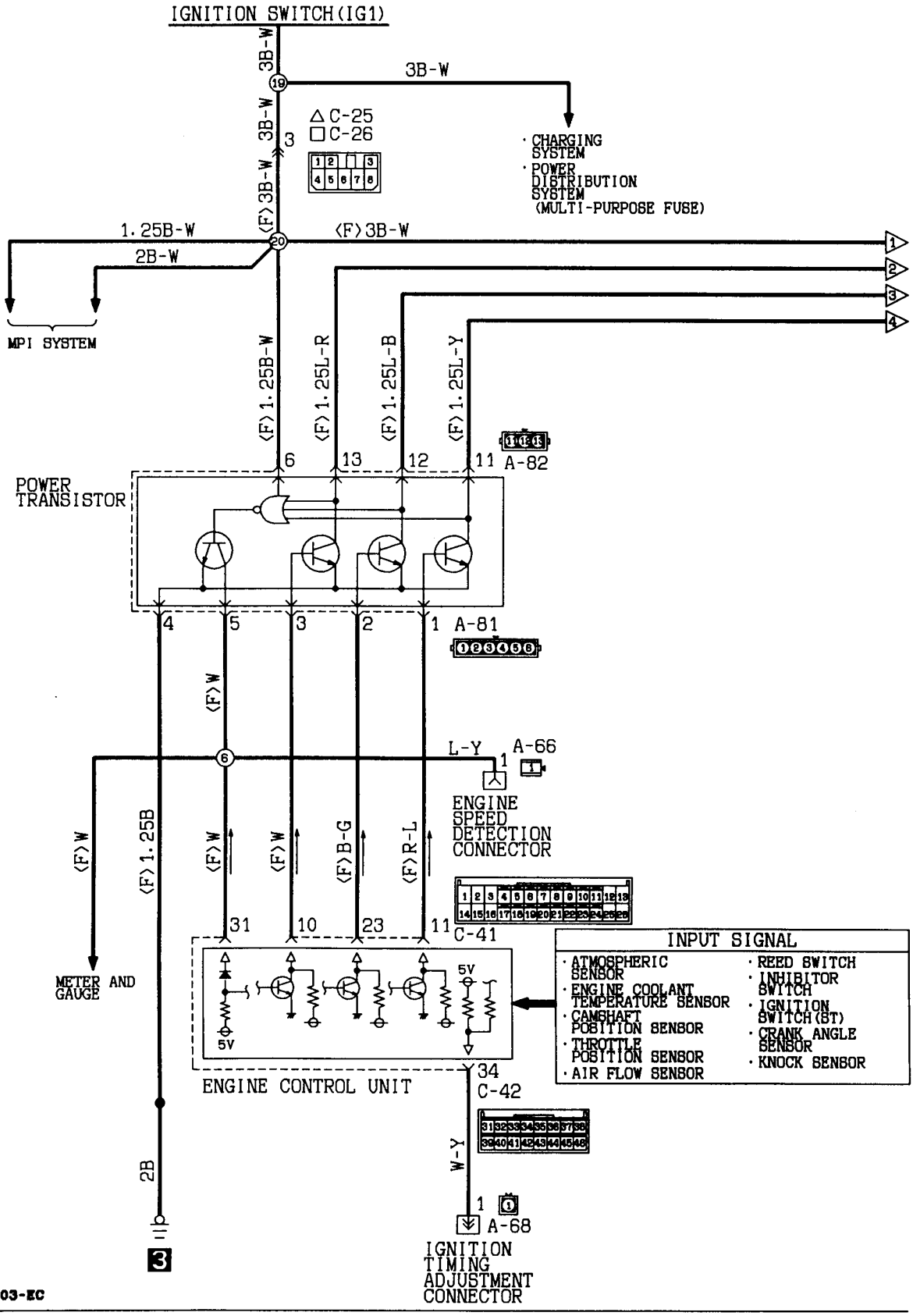
IGNITION SYSTEM
6G72 engine



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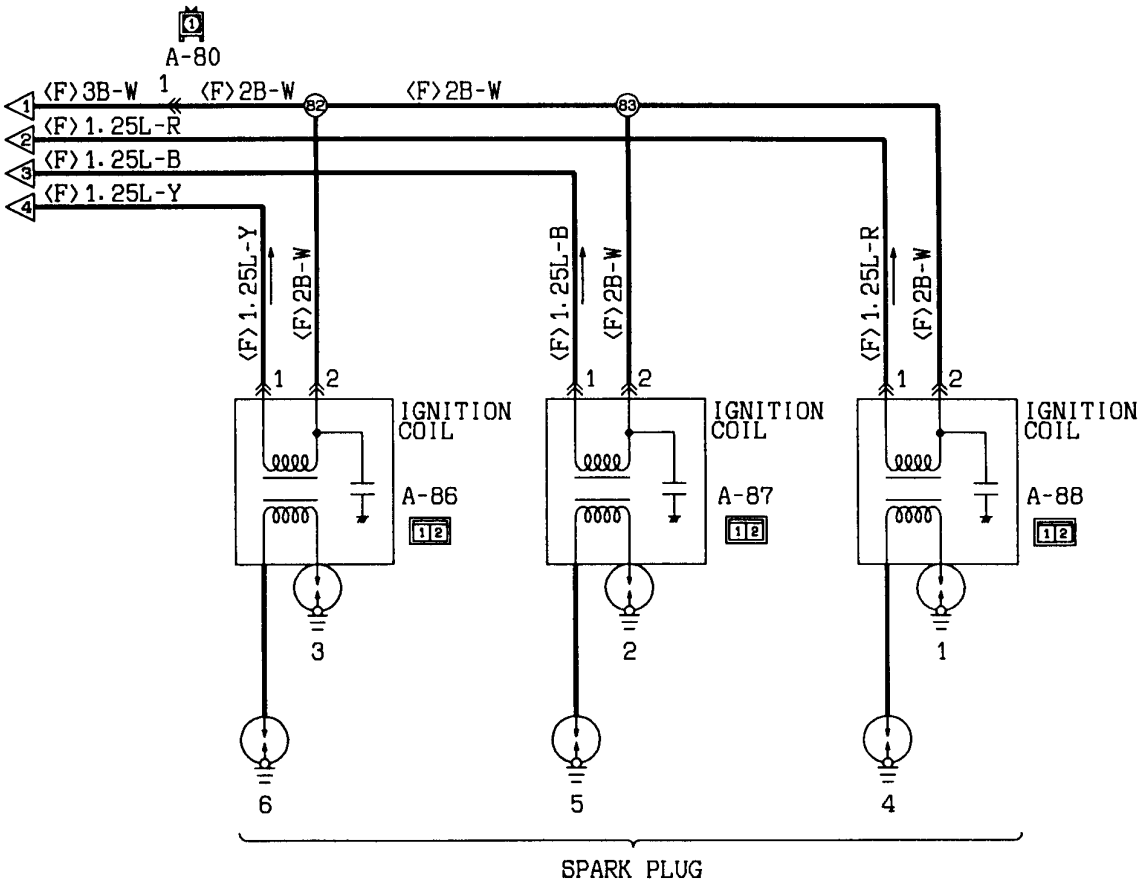
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IGNITION SYSTEM
6G74 engine



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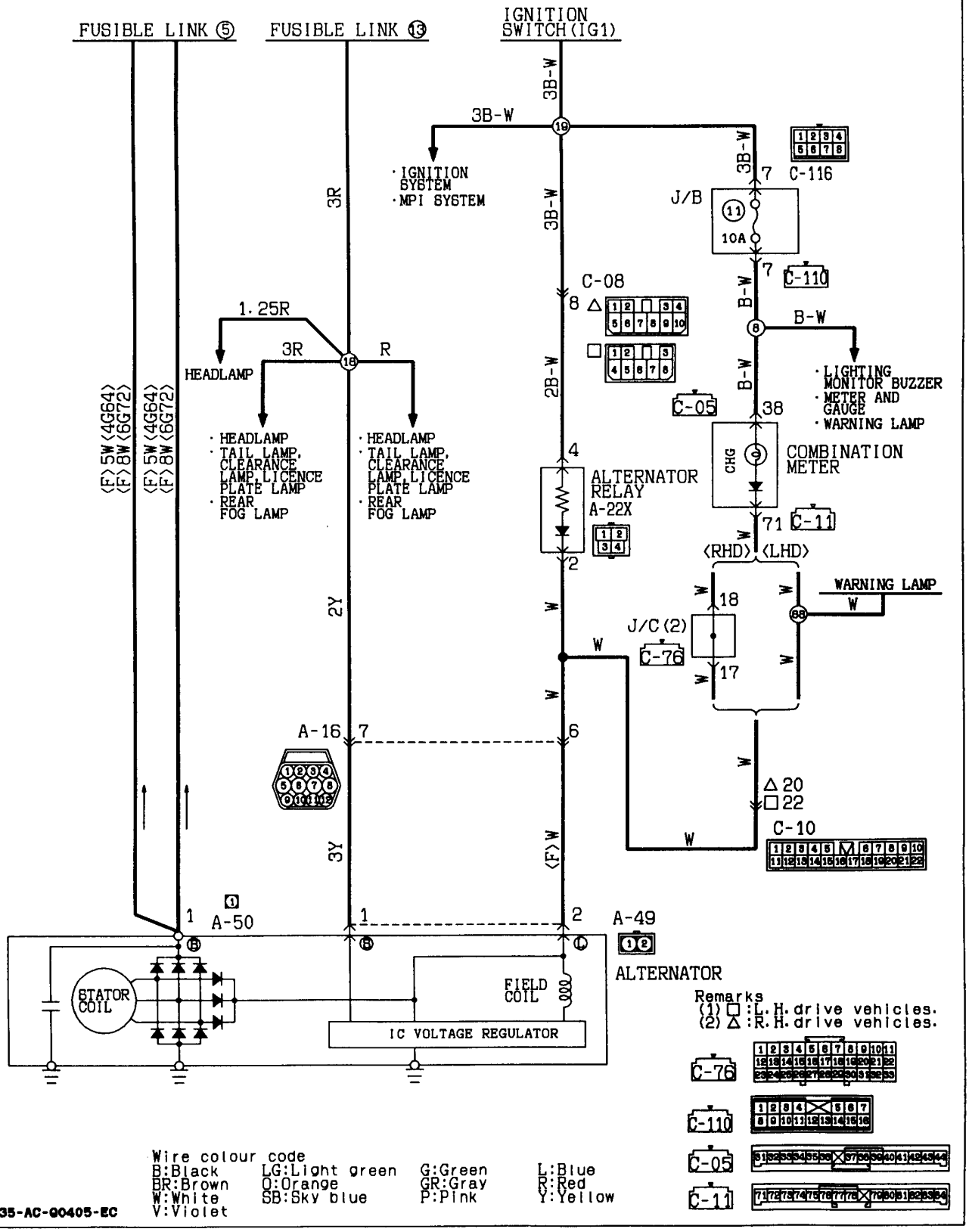
Remarks
(1) □ : L.H. drive vehicles.
(2) △ : R.H. drive vehicles.

Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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CHARGING SYSTEM
4G64, 6G72 engine



Remarks
(1) □ : L.H. drive vehicles.
(2) △ : R.H. drive vehicles.

Wire colour code

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

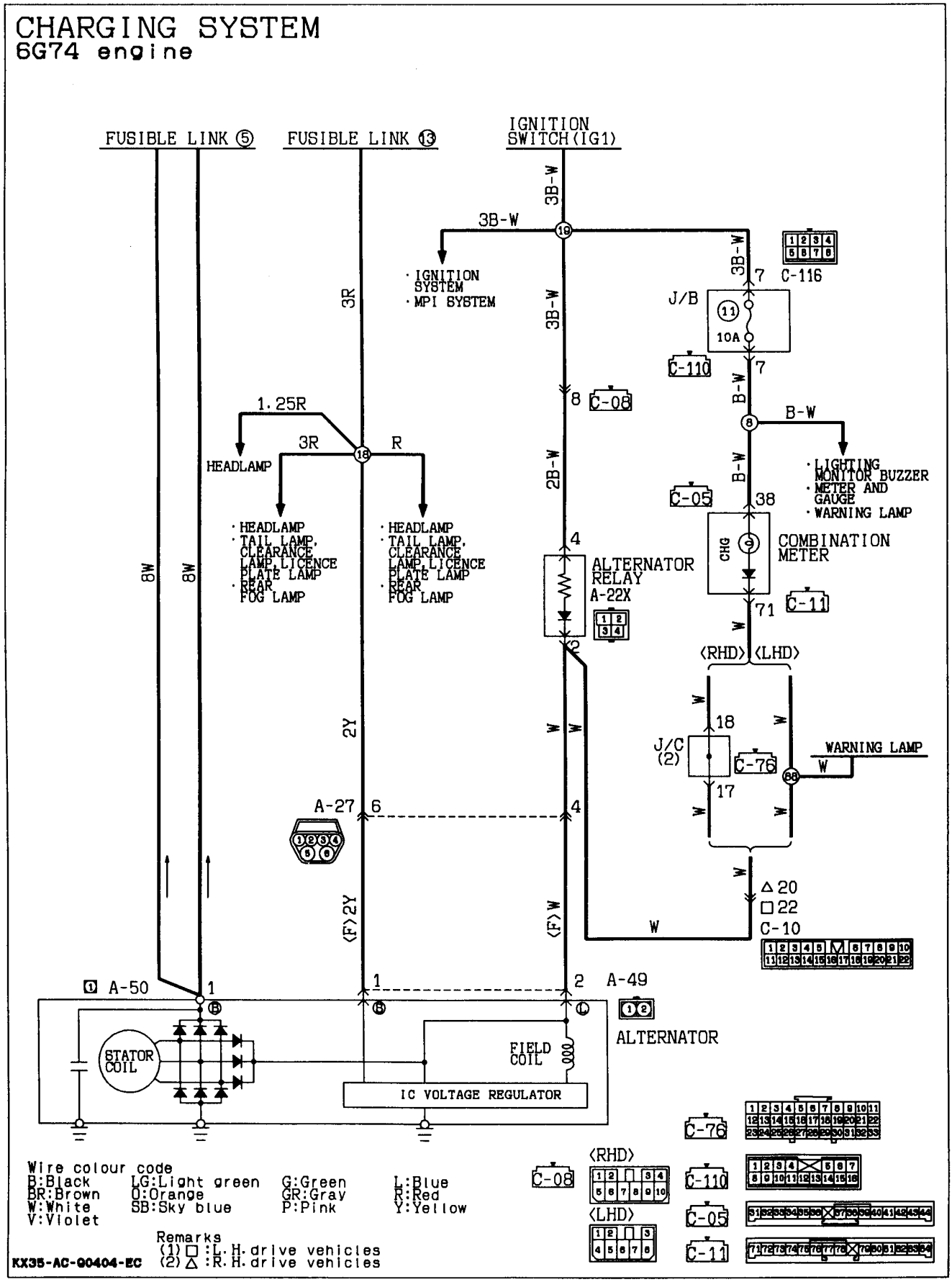
KX35-AC-00405-EC

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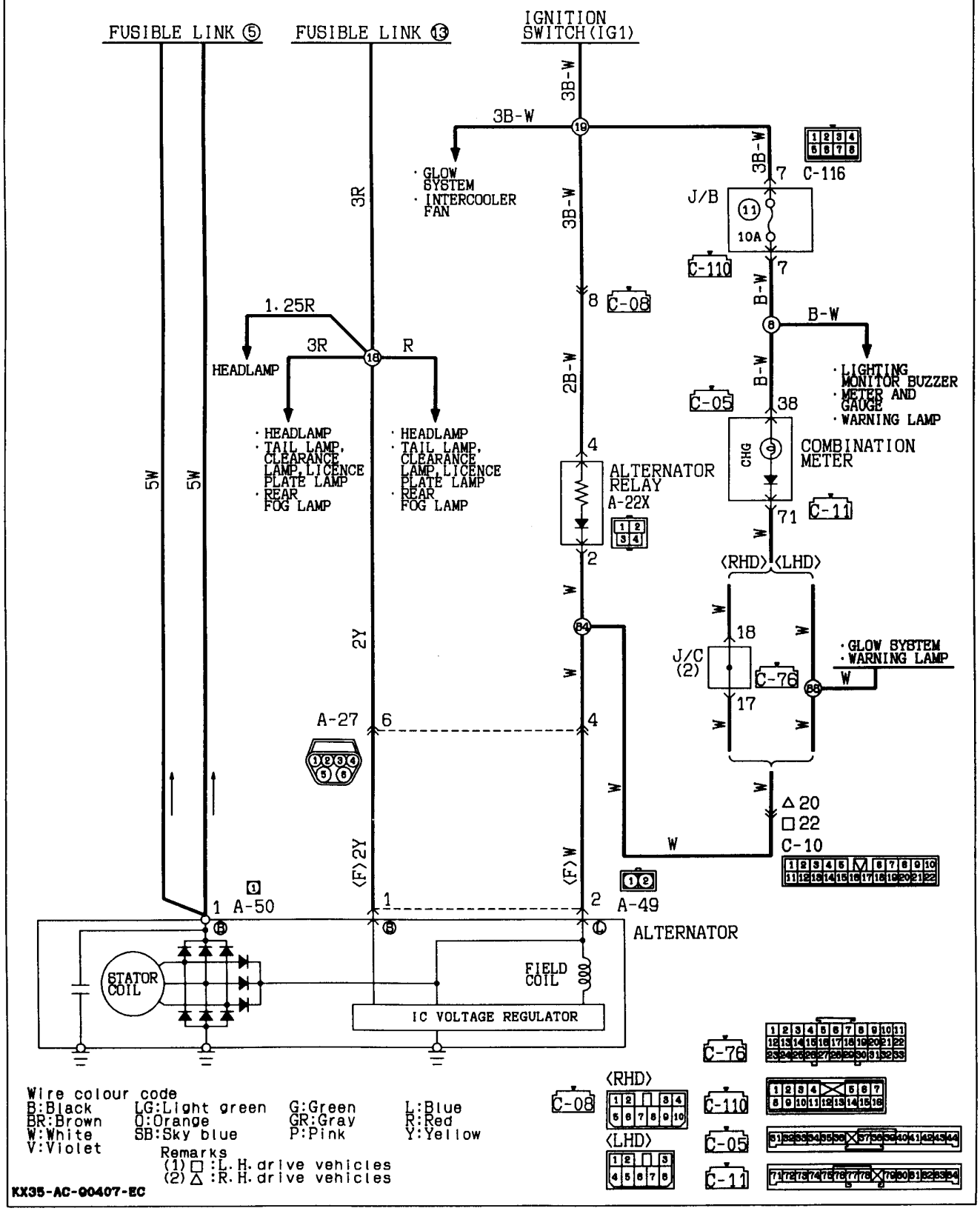
CHARGING SYSTEM
6G74 engine



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CHARGING SYSTEM
4D56, 4M40 engine



Wire colour code

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

Remarks
(1) □ :L. H. drive vehicles
(2) △ :R. H. drive vehicles

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CHARGING SYSTEM (See P. 4A-30, 31, 32.)

OPERATION

When engine is stationary

- When the ignition switch is turned to the ON position, current flows the alternator L terminal to the field coil and, at the same time, the charge warning lamp lights up.

When engine is started and after engine has started

- When the engine is started, the charge warning lamp goes out because of the charging voltage being applied to the alternator L terminal.
- The battery voltage being applied to the alternator S terminal is monitored by the voltage regulator. Hence, the amount of electricity produced by the alternator is controlled by allowing and cutting off the current flowing to the field coil.
- The alternator B terminal supplies power to each load.

Remark

- The alternator relay is provided to back up the flow of current to the field coil when the charge warning lamp is open.

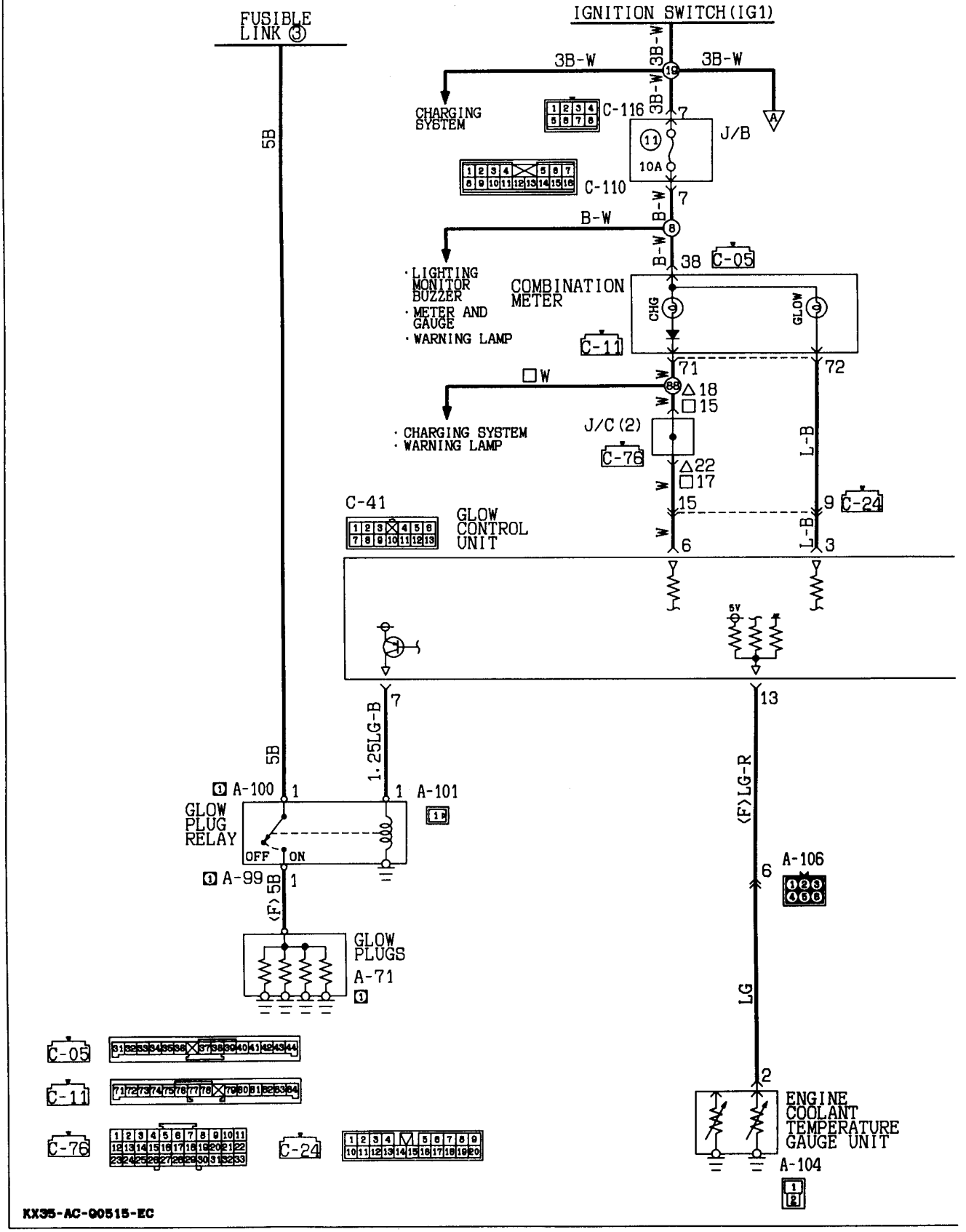
TROUBLESHOOTING HINTS

1. Charging indicator lamp does not go on when the ignition switch is turned to "ON", before the engine starts.
   - Check multi-porpuse fuse No. ⑪.
   - Check the bulb.
2. Charging indicator lamp fails to go off once the engine starts.
   - Check voltage regulator of alternator.
3. Discharged or overcharged battery.
   - Check voltage regulator of alternator.
4. Charge warning lamp lights up dimly.
   - Check combination meter diode (for short).

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GLOW SYSTEM

4D56 engine<Without supercharging pressure relief solenoid valve>

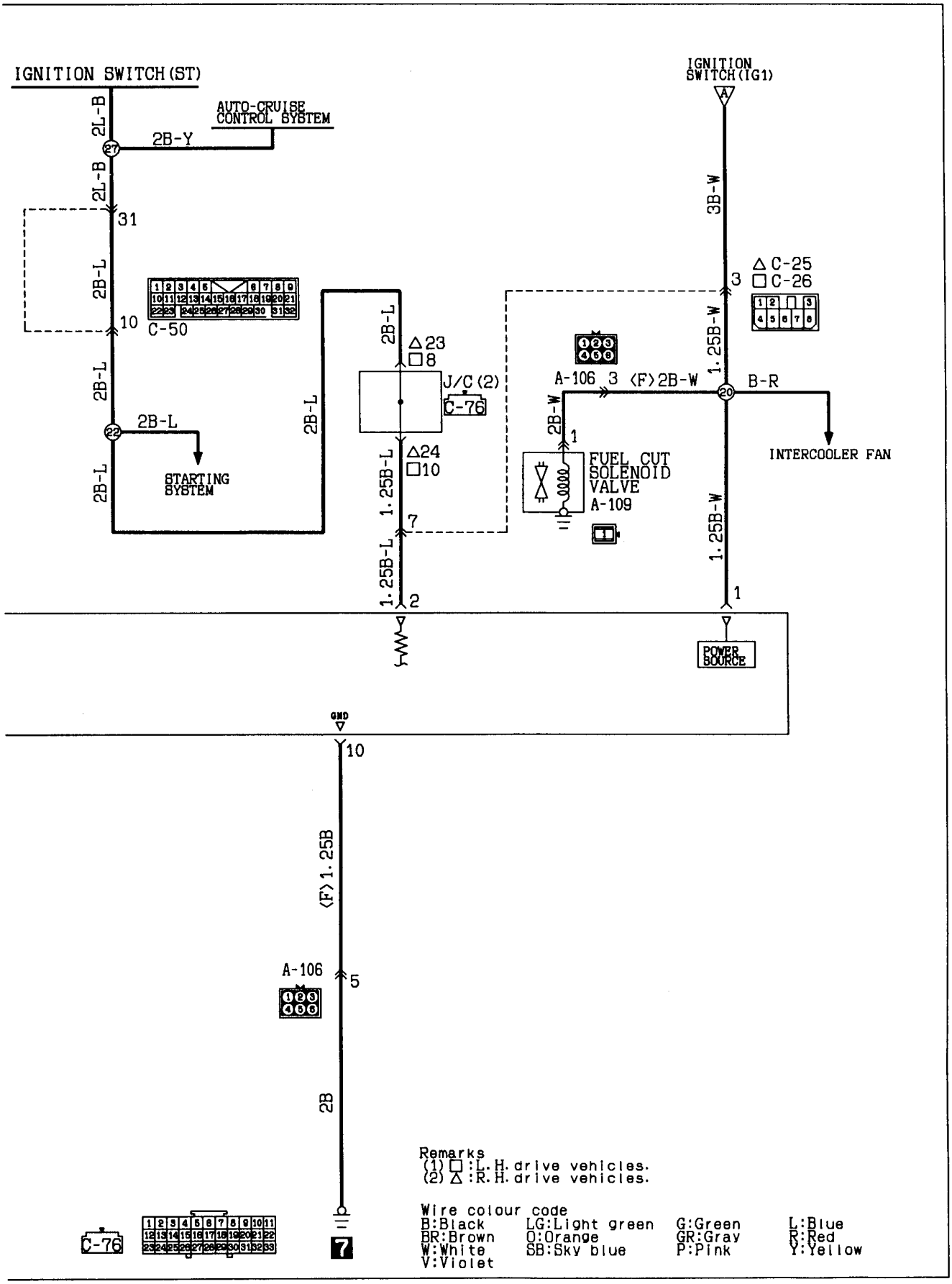


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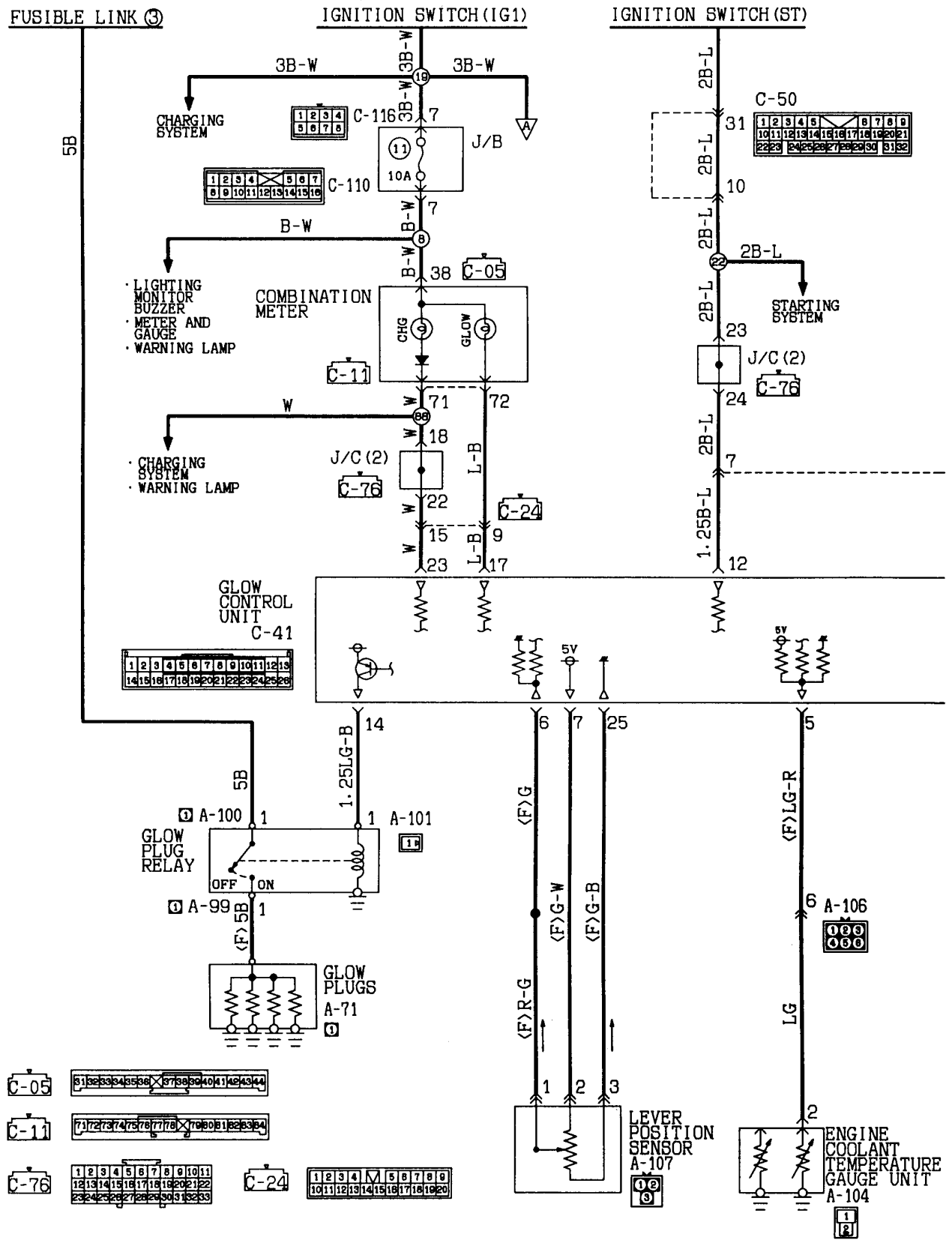


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GLOW SYSTEM

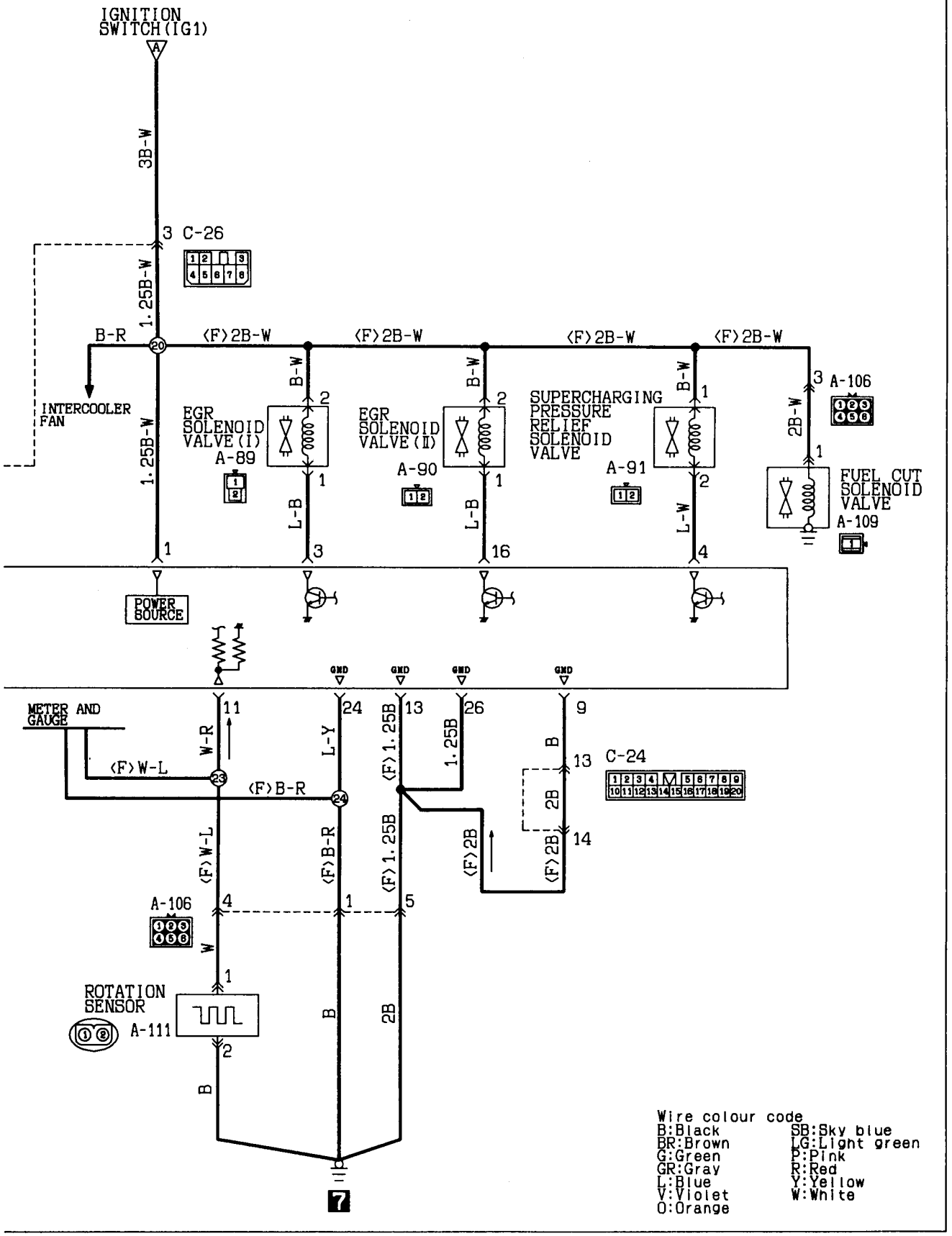
4D56 engine<With supercharging pressure relief solenoid valve>



KX35-AC-00519-EC

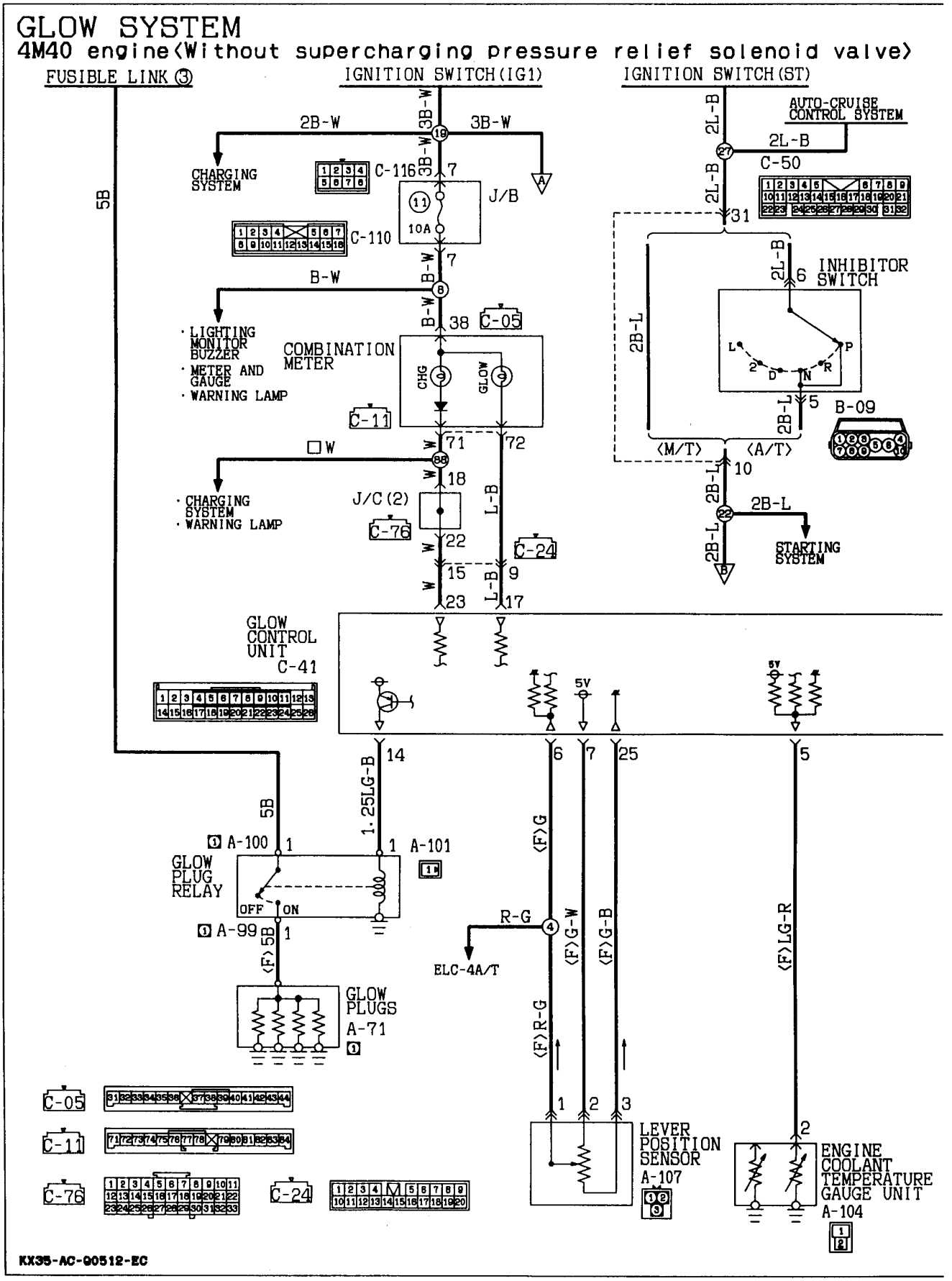
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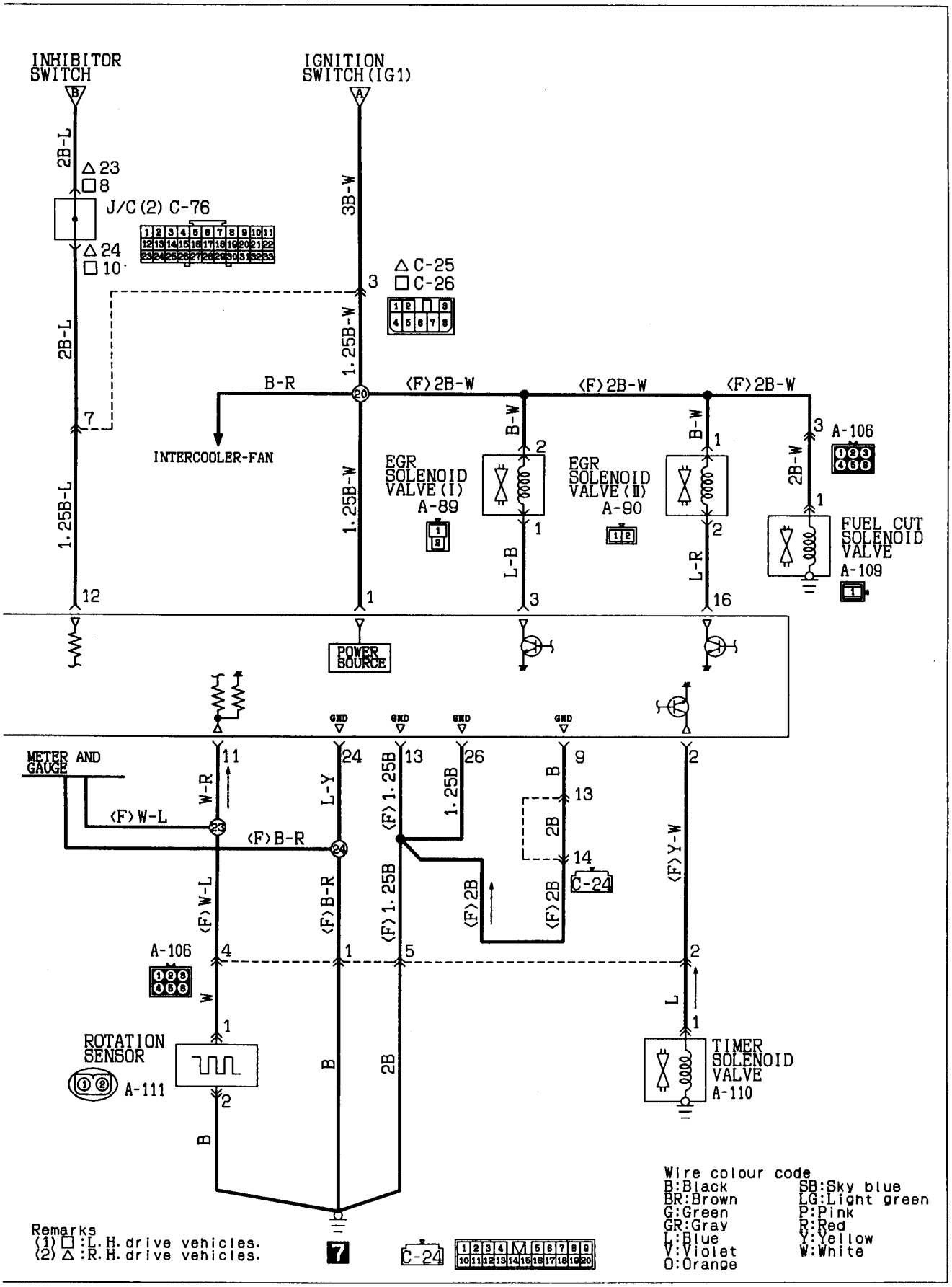
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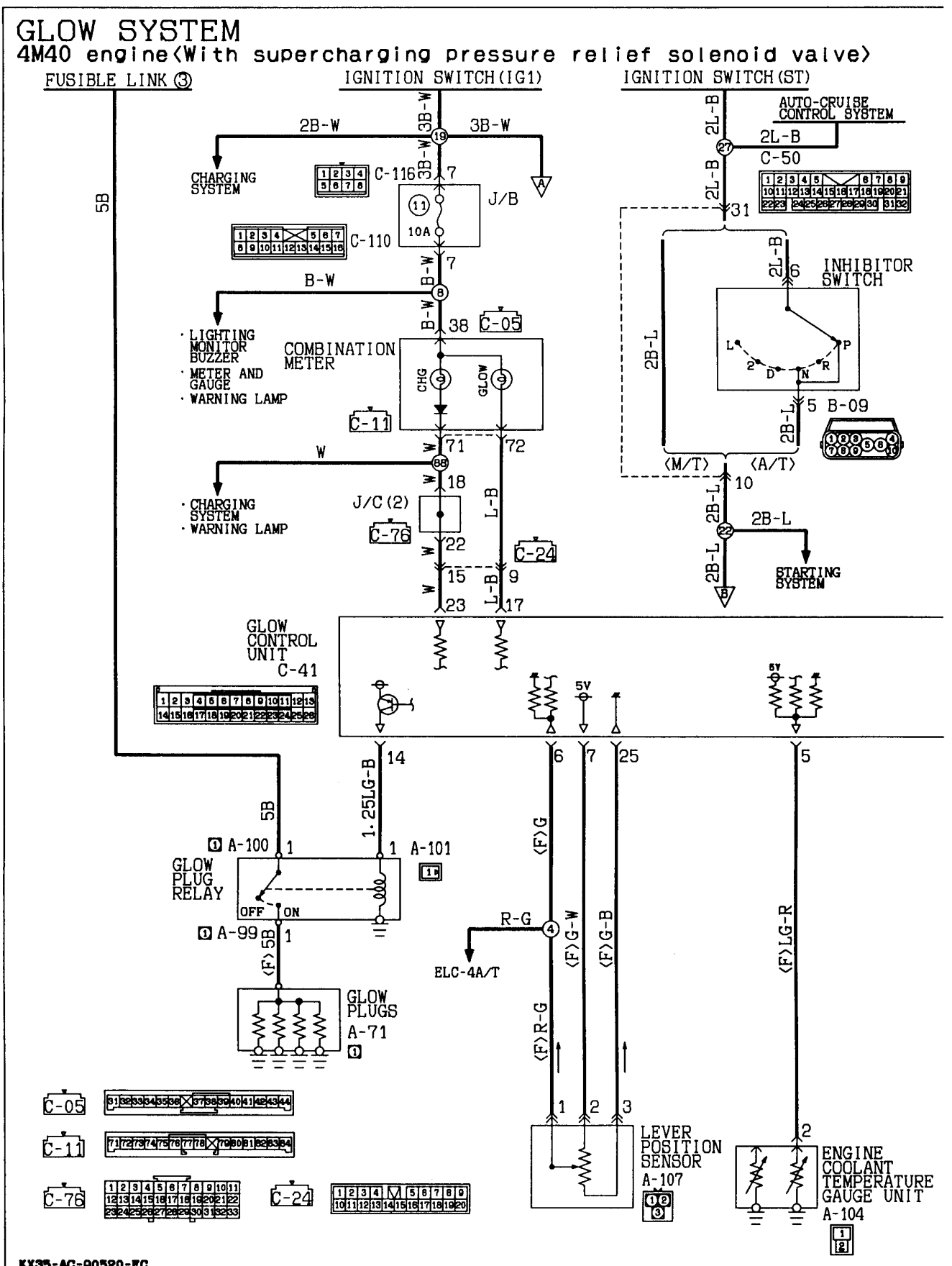
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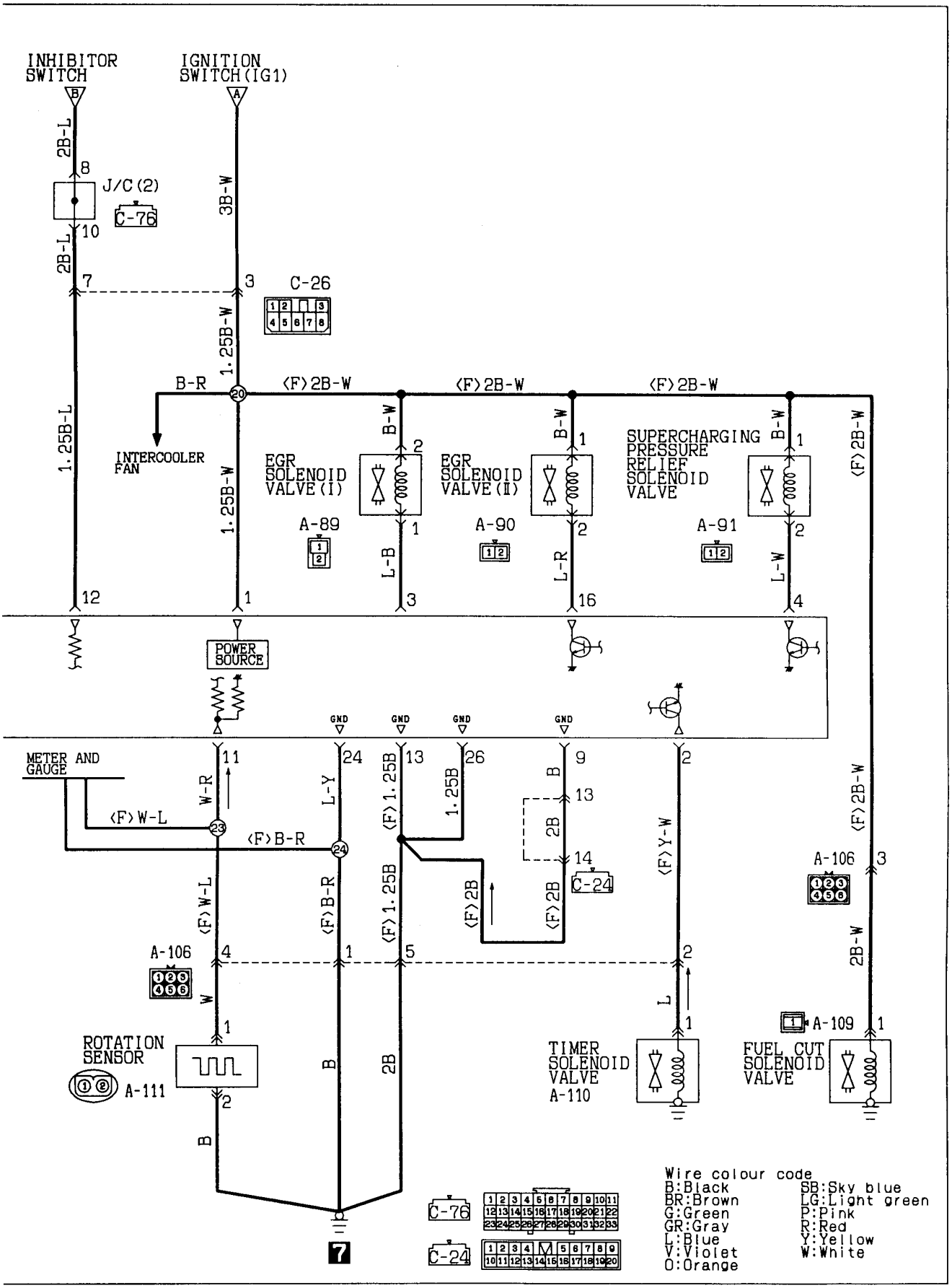
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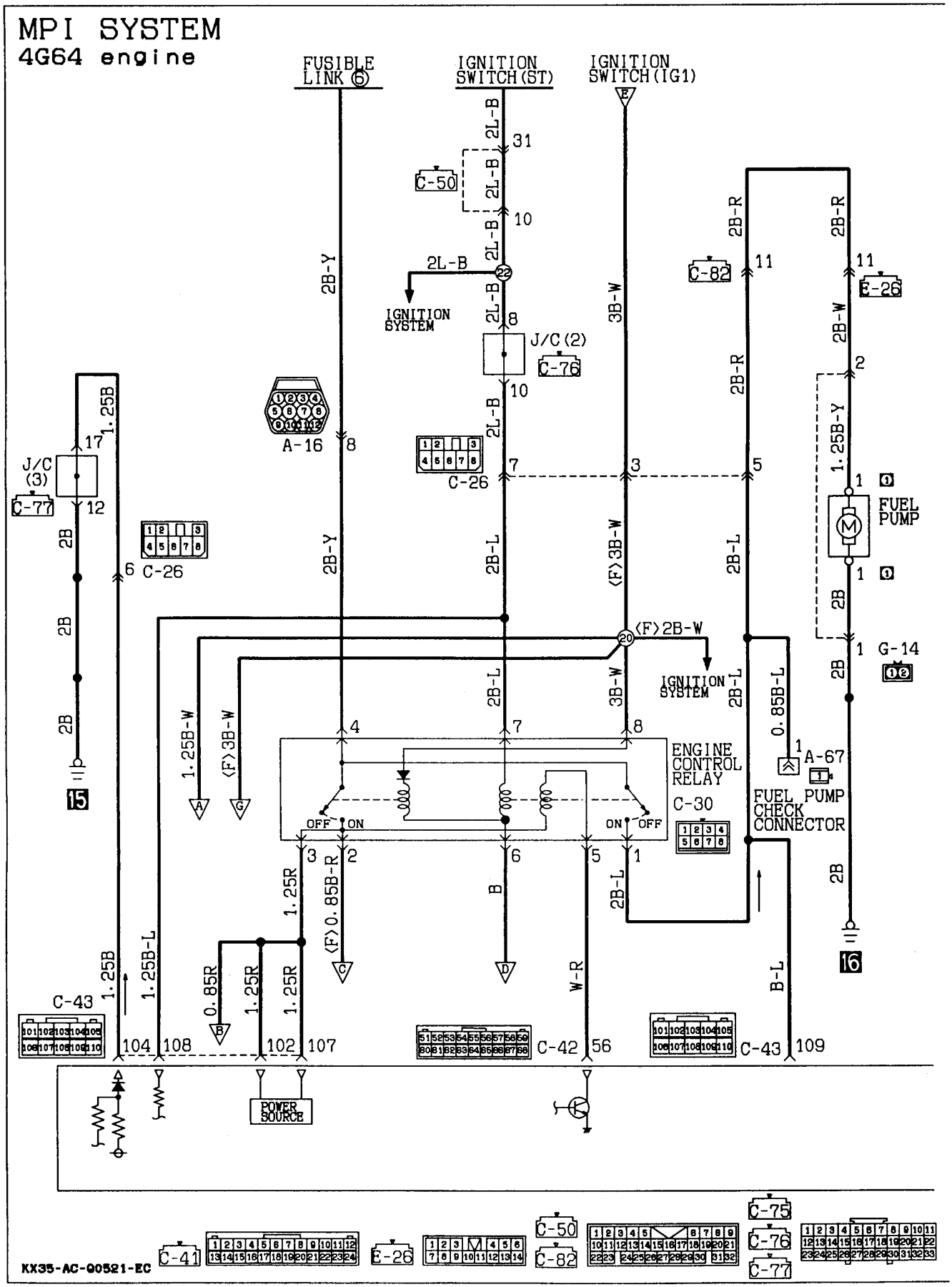
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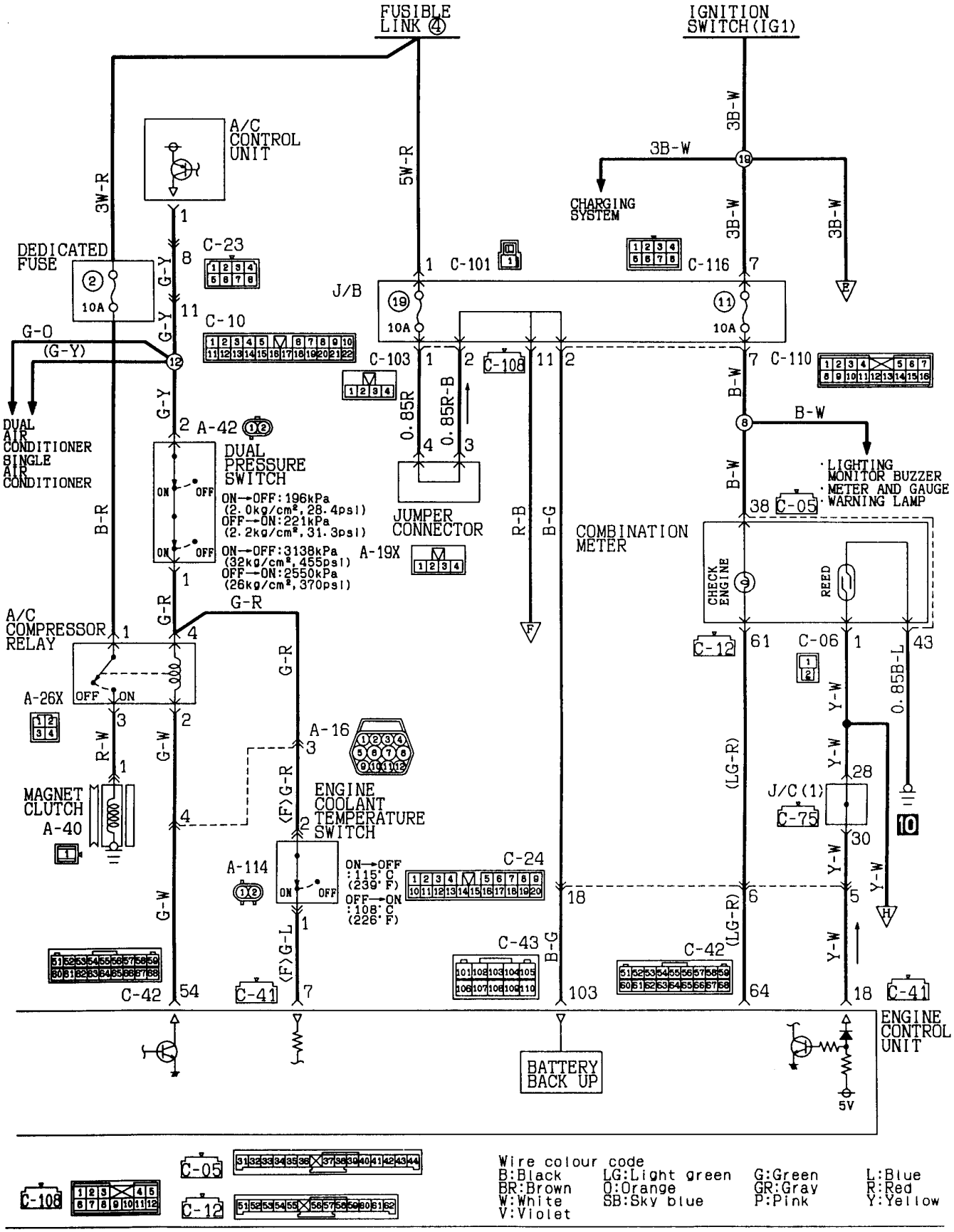
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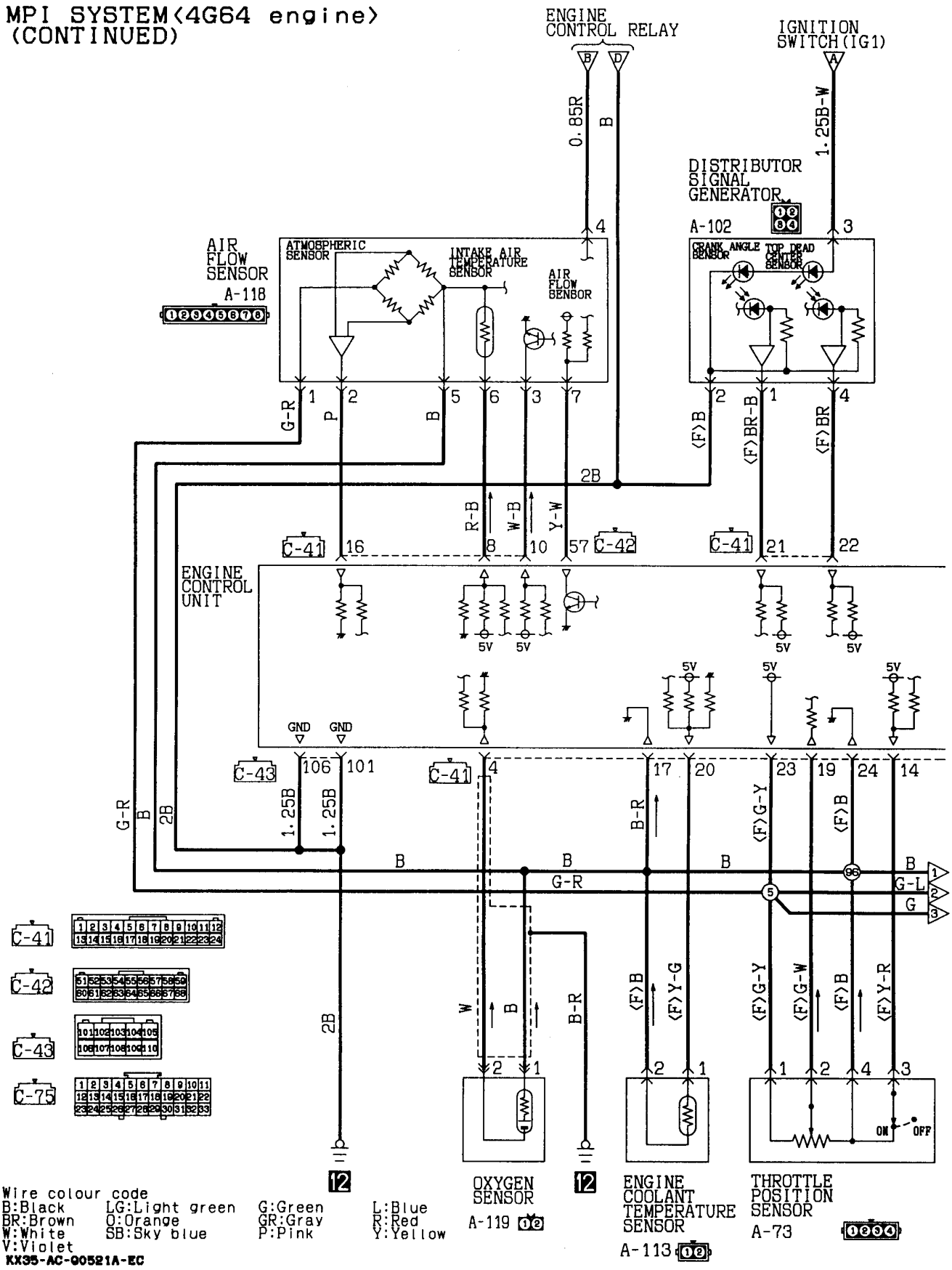


Wire colour code

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

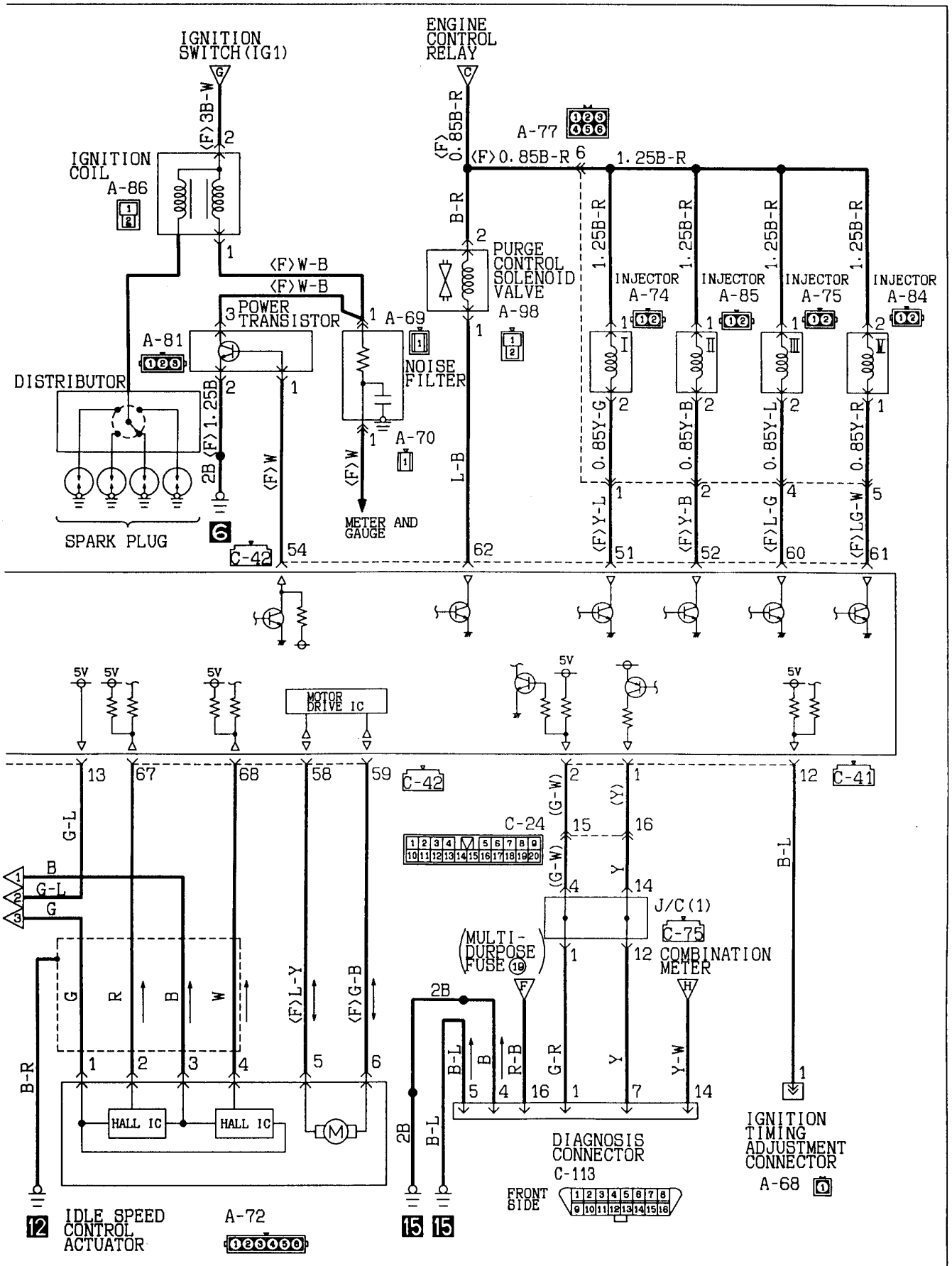
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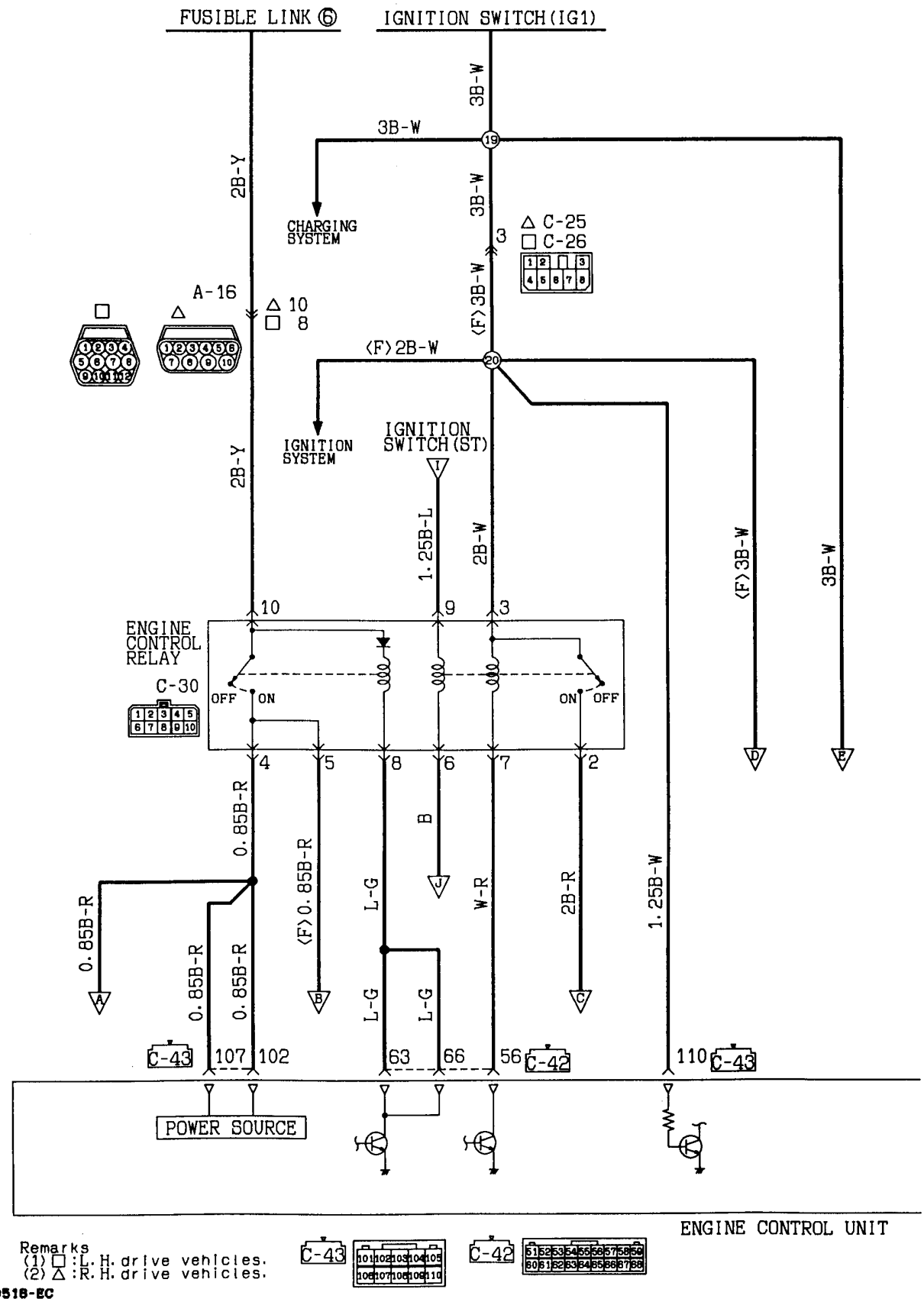
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MPI SYSTEM
6G72-M/T

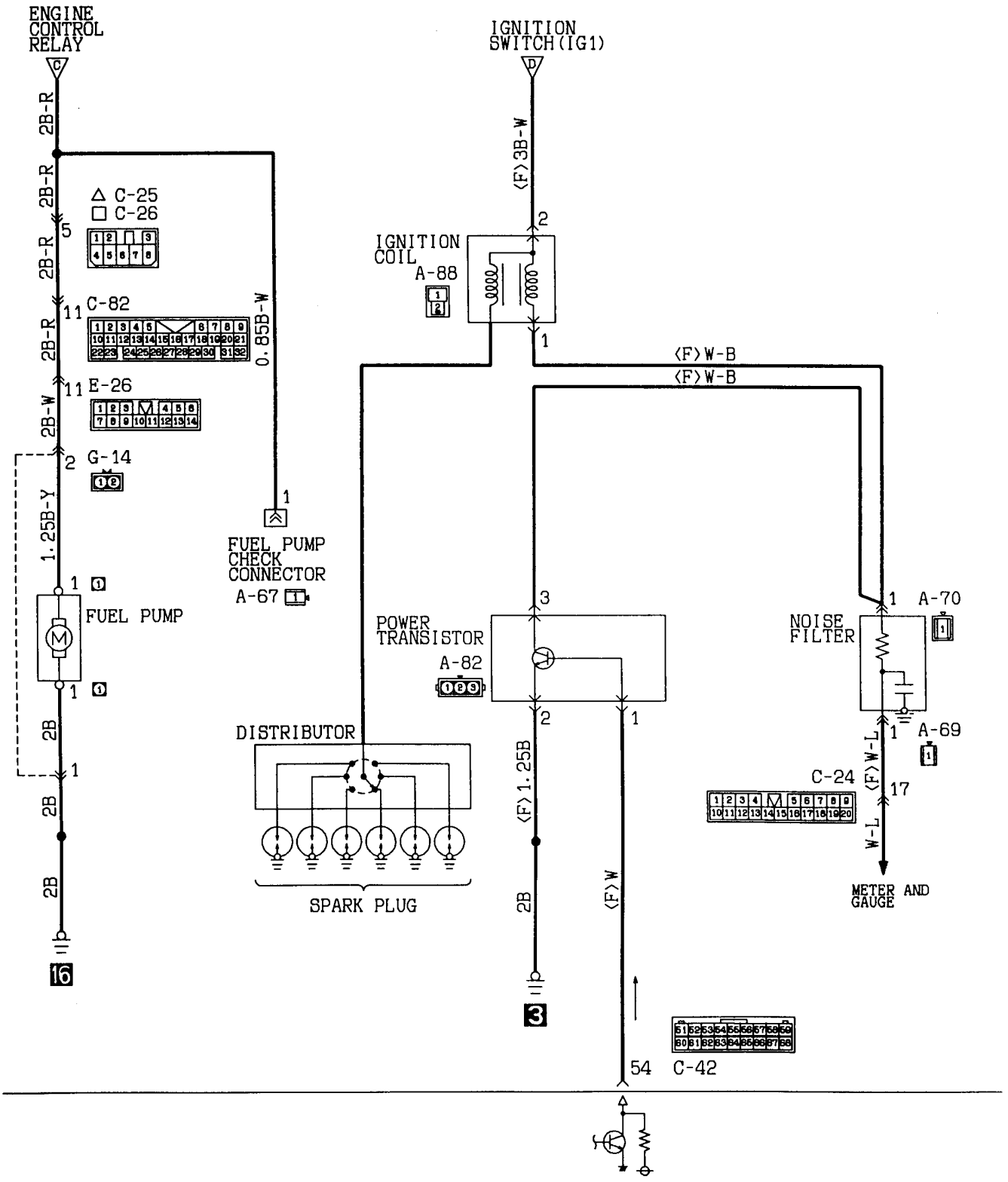


Remarks
(1) □ : L.H. drive vehicles.
(2) △ : R.H. drive vehicles.

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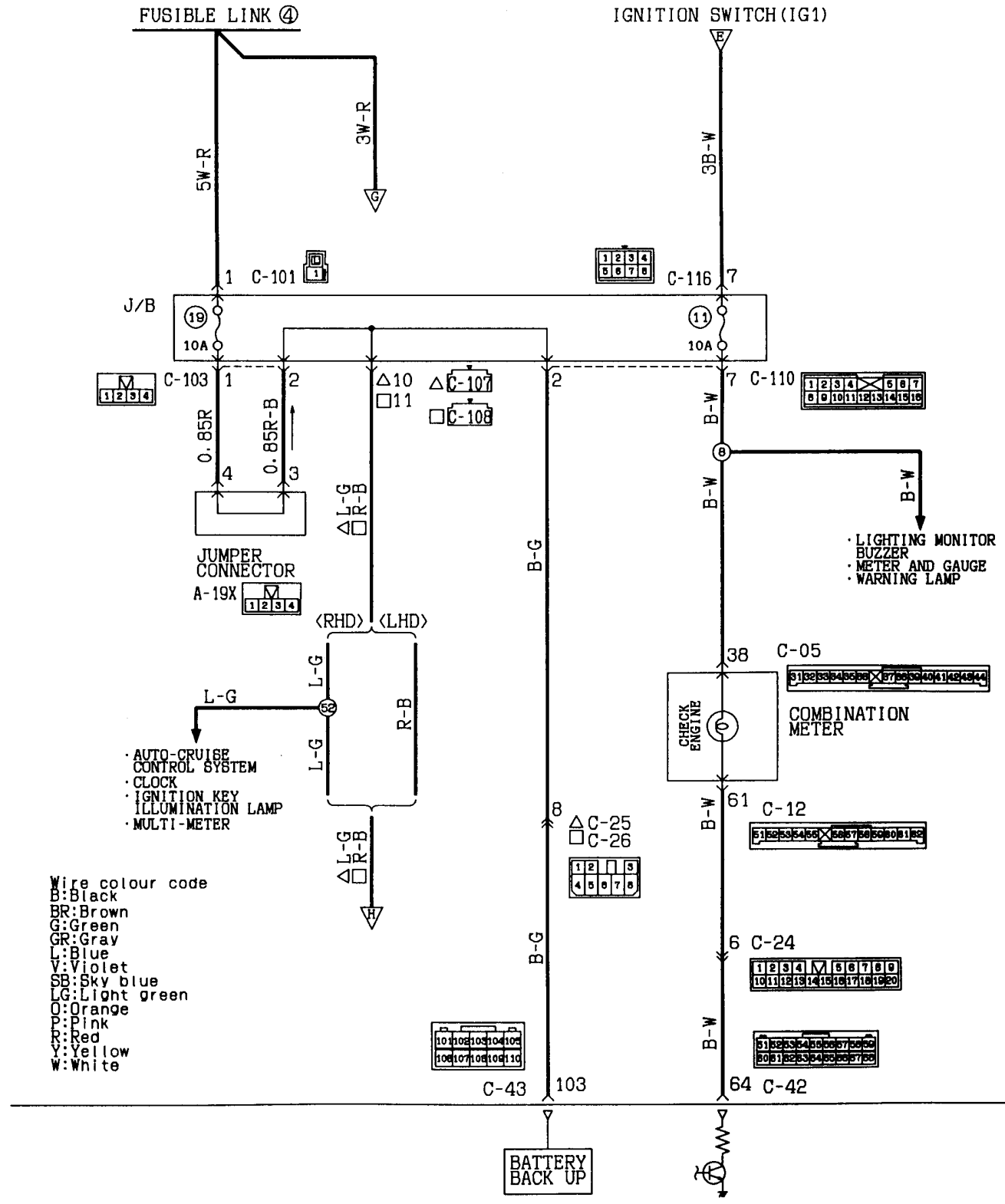
ENGINE CONTROL UNIT

Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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MPI SYSTEM<6G72-M/T> (CONTINUED)



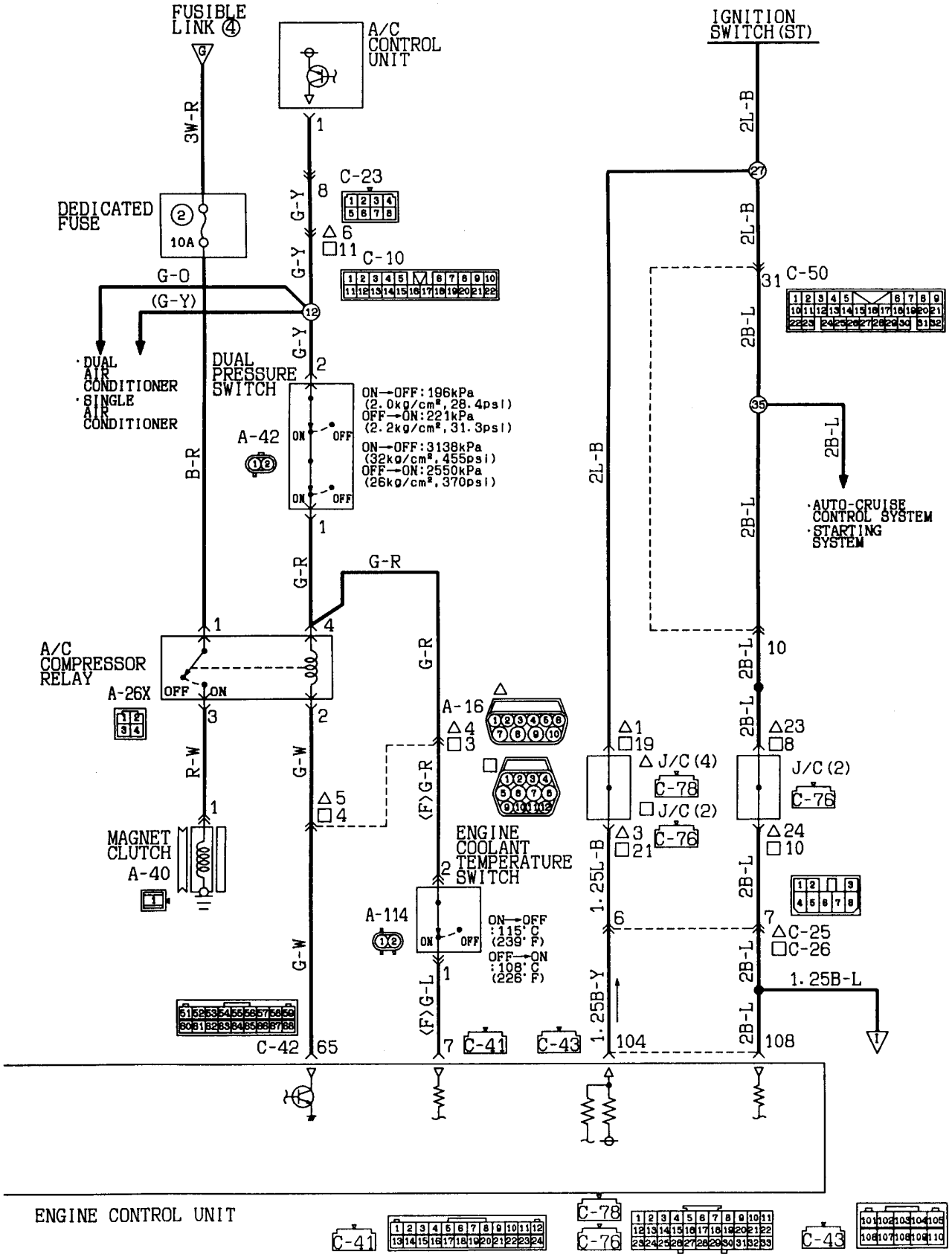
C-107 C-108

Remarks
(1) □ : L. H. drive vehicles.
(2) △ : R. H. drive vehicles.

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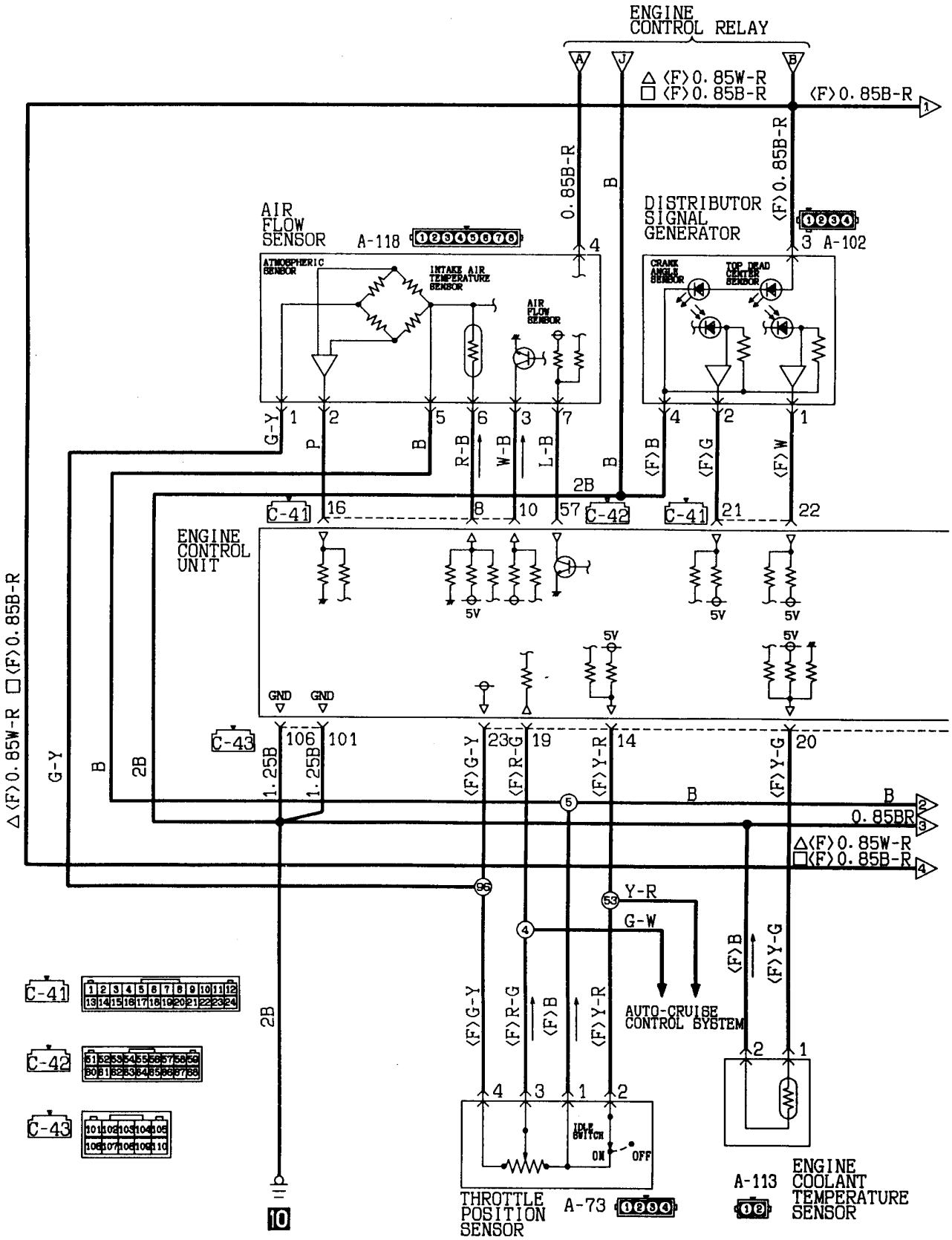
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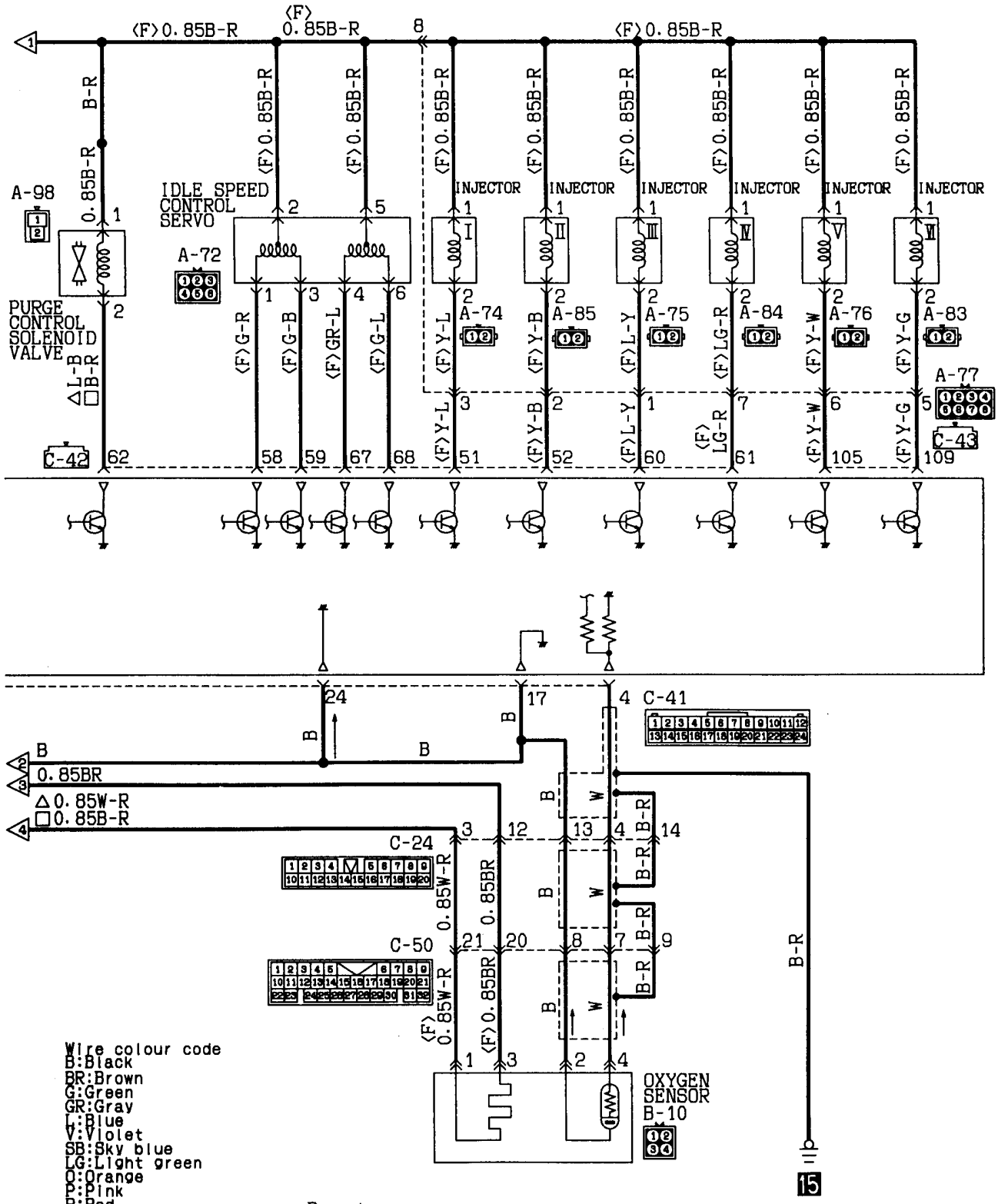
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KX35-AC-00518B-EC

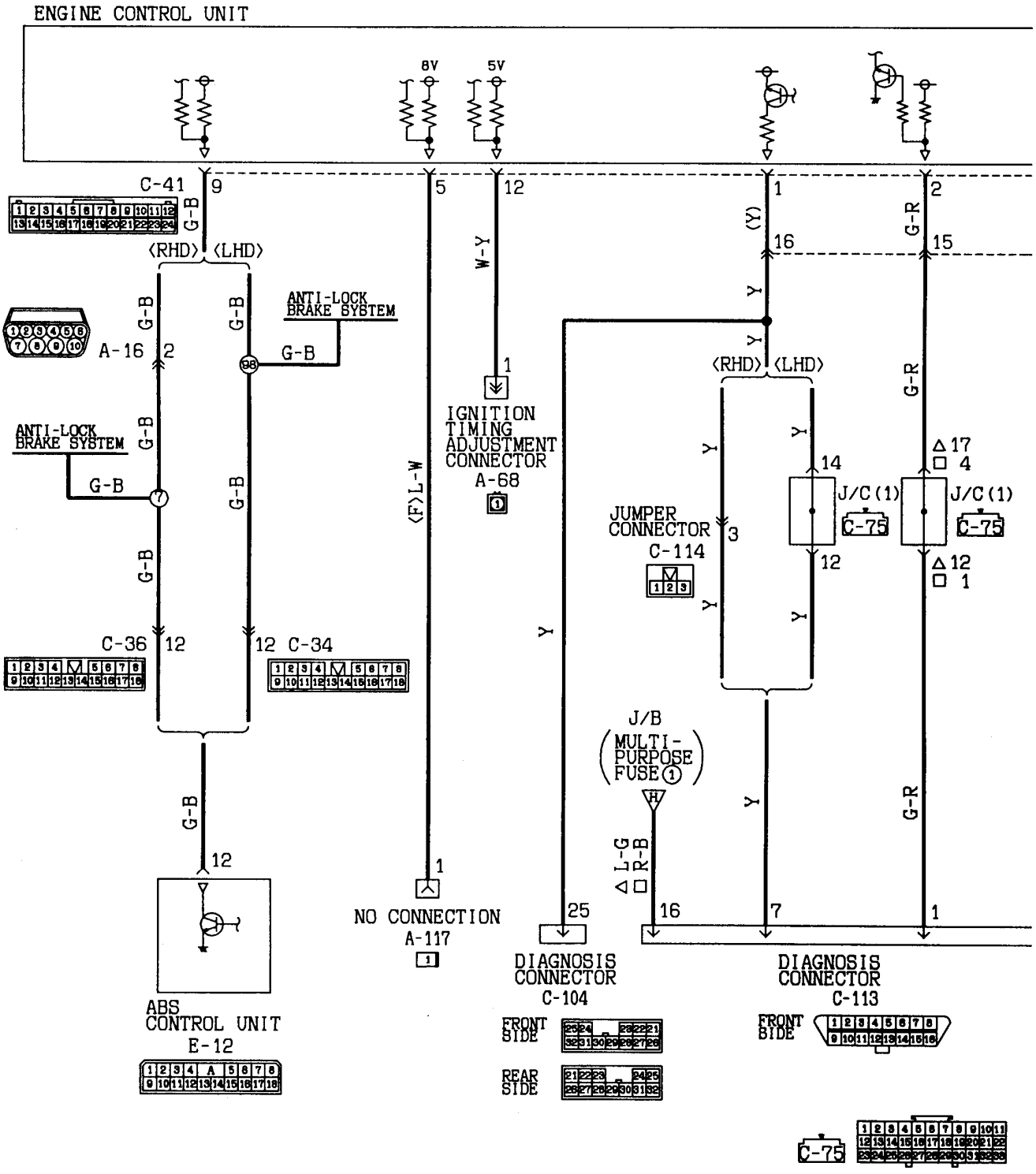
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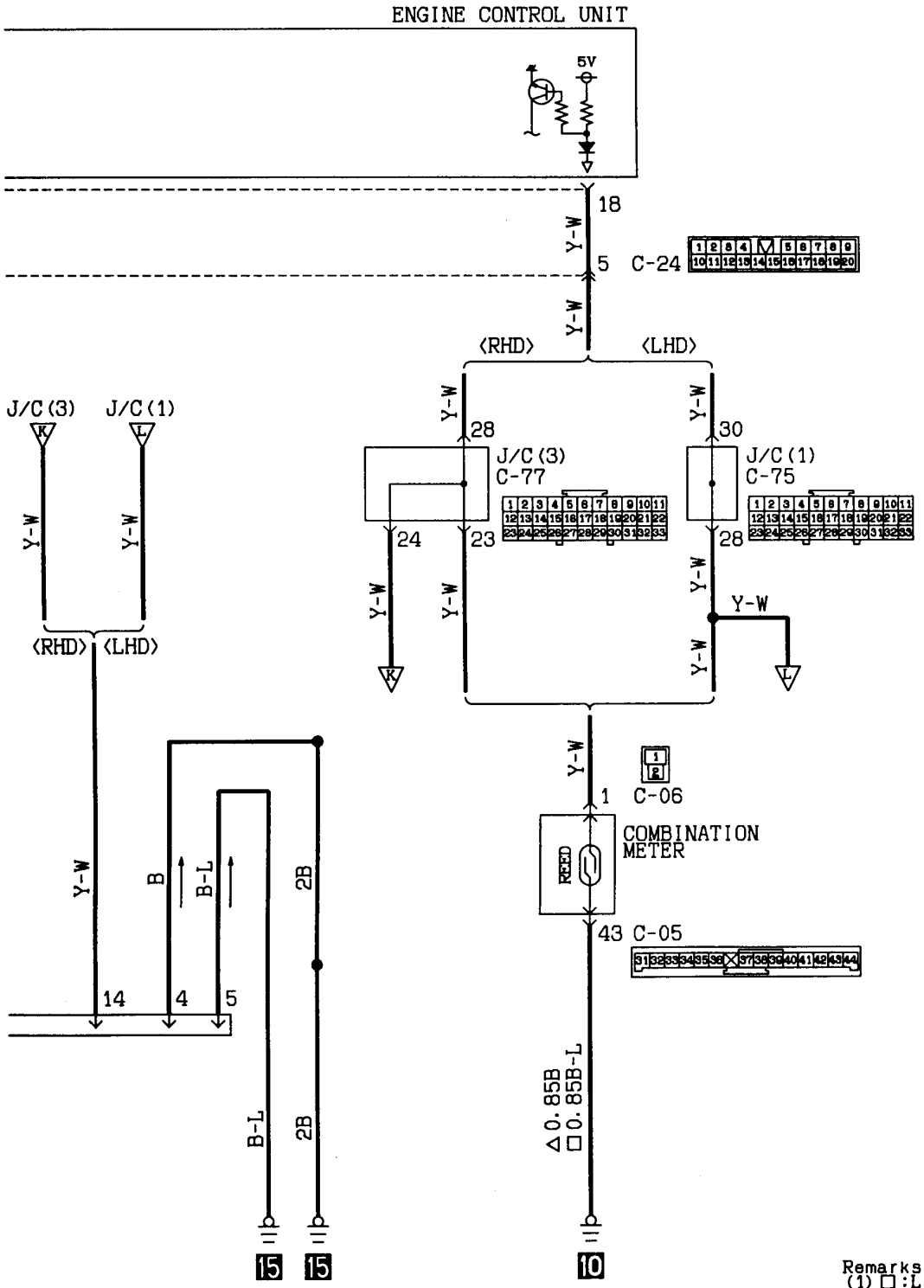
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MPI SYSTEM<6G72-M/T> (CONTINUED)



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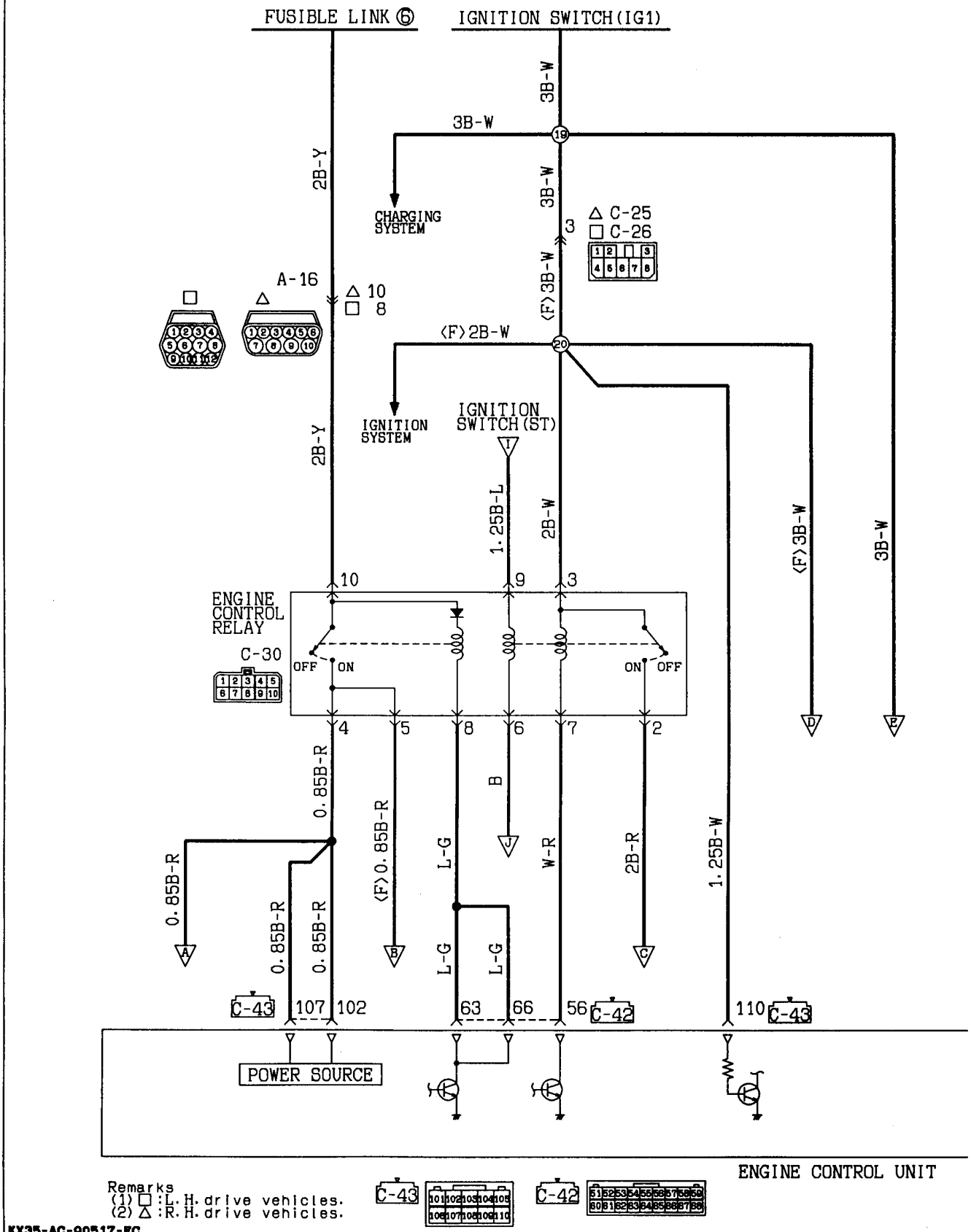
Remarks
(1) □ : L.H. drive vehicles
(2) △ : R.H. drive vehicles

Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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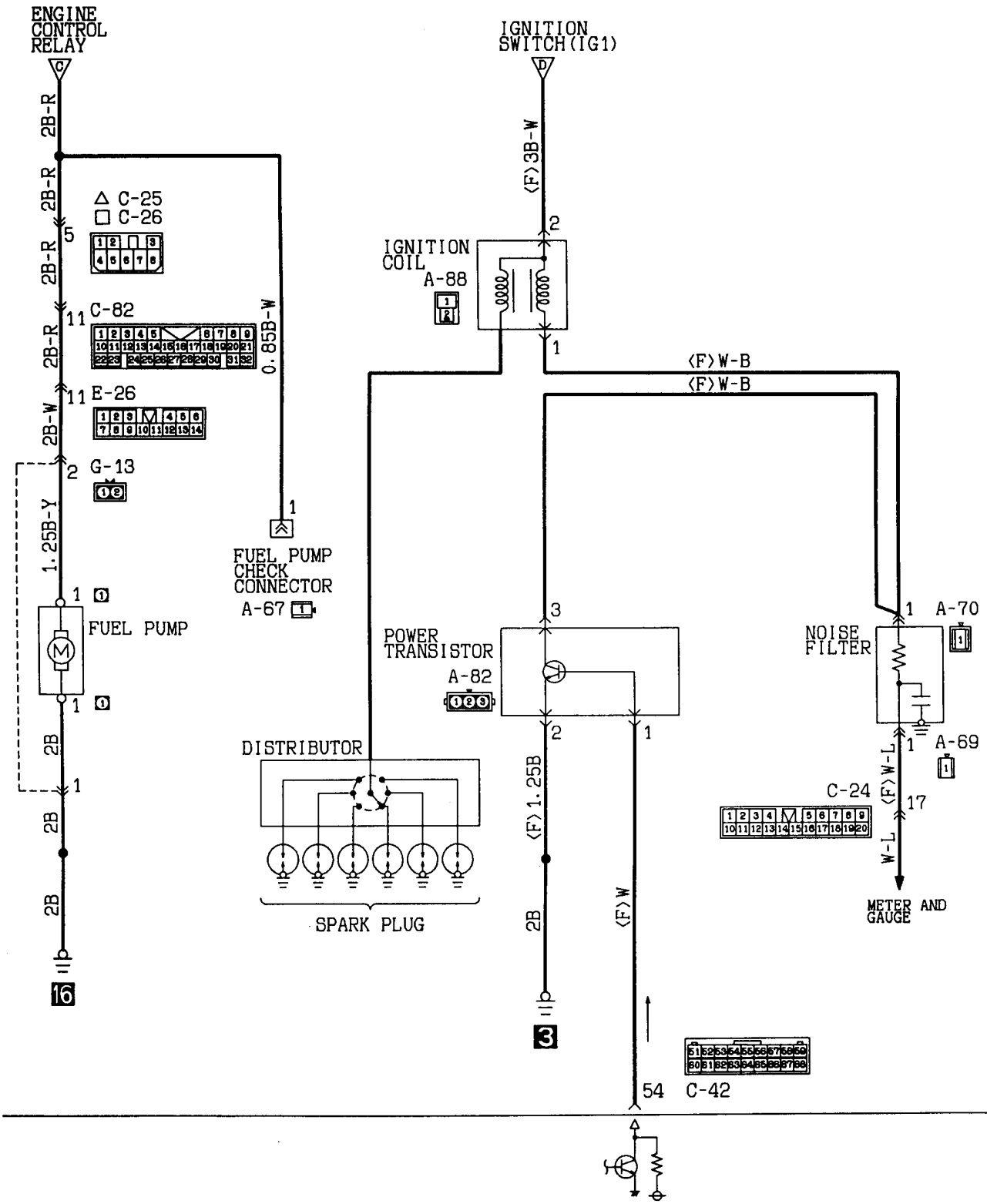
MPI SYSTEM
6G72-A/T



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ENGINE CONTROL UNIT

Wire colour code

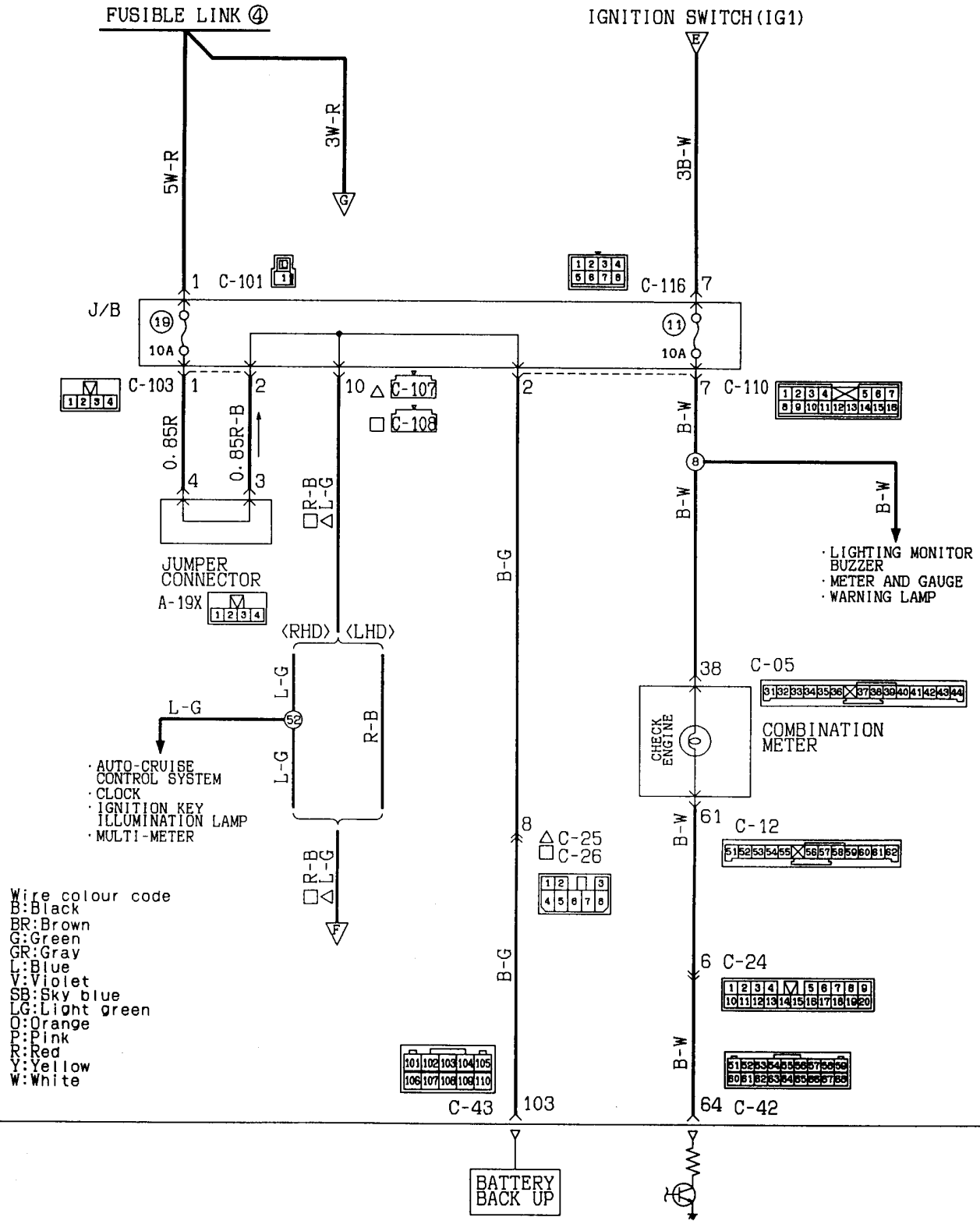
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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MPI SYSTEM<6G72-A/T> (CONTINUED)



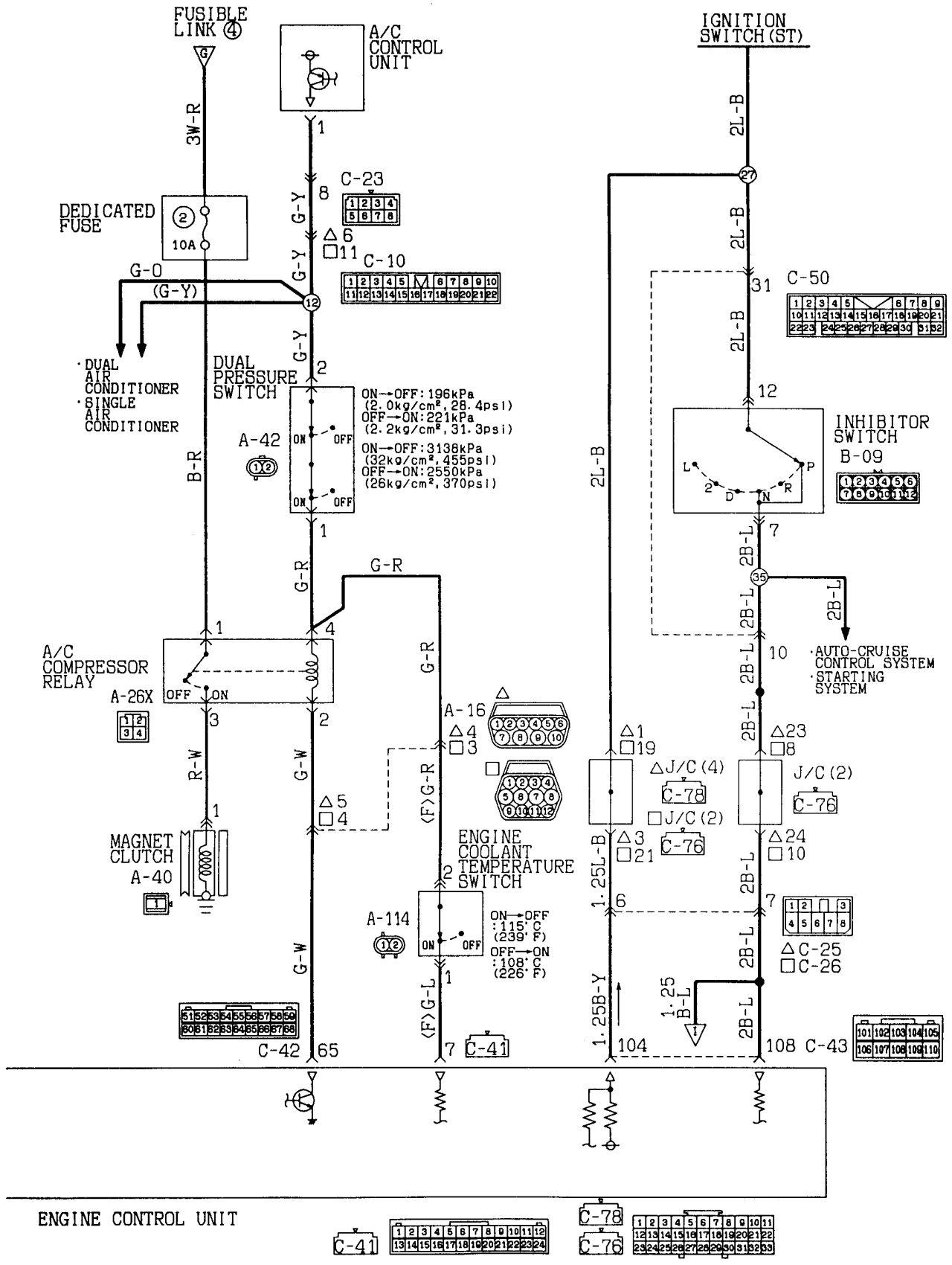
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Remarks
(1) □ : L.H. drive vehicles.
(2) △ : R.H. drive vehicles.

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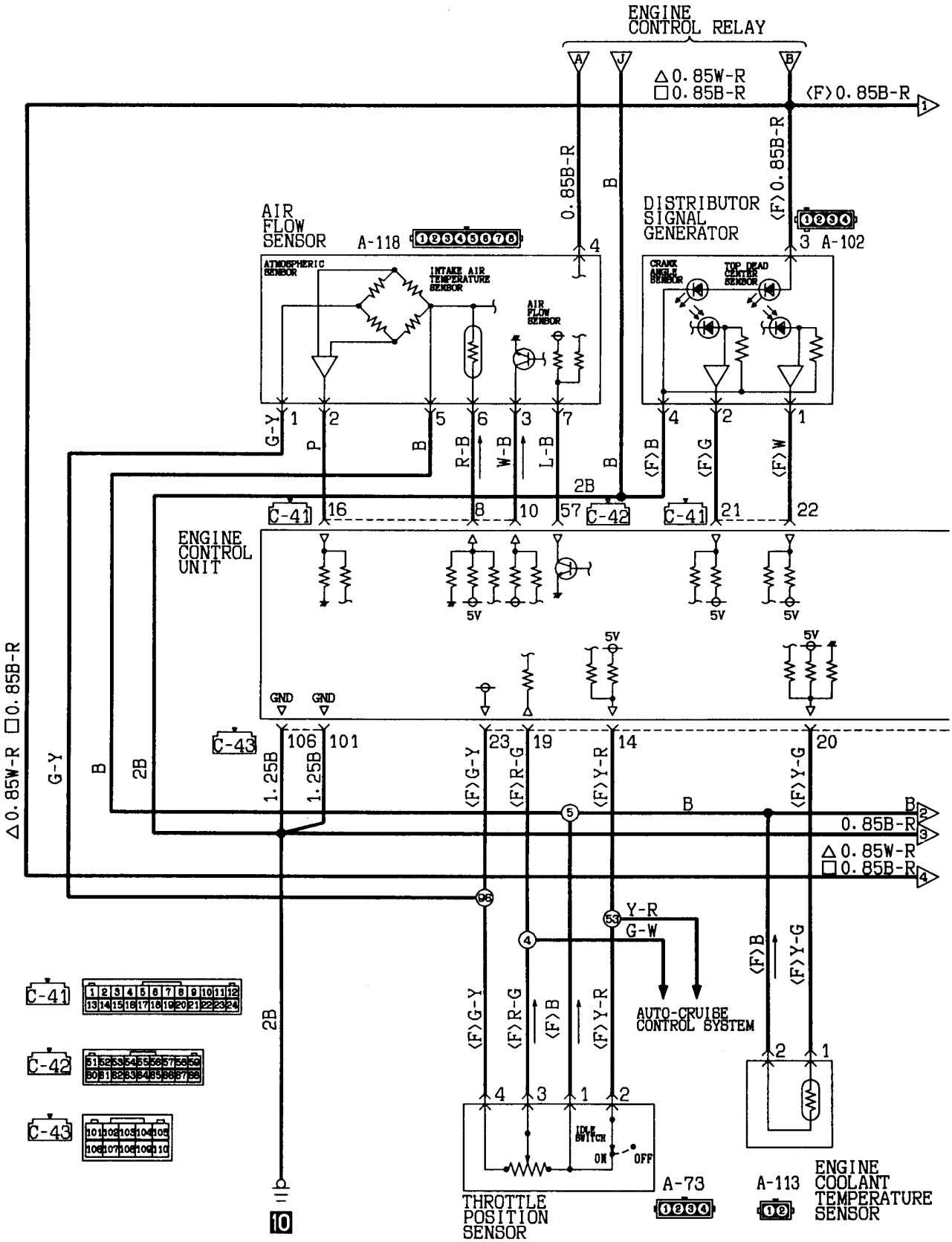
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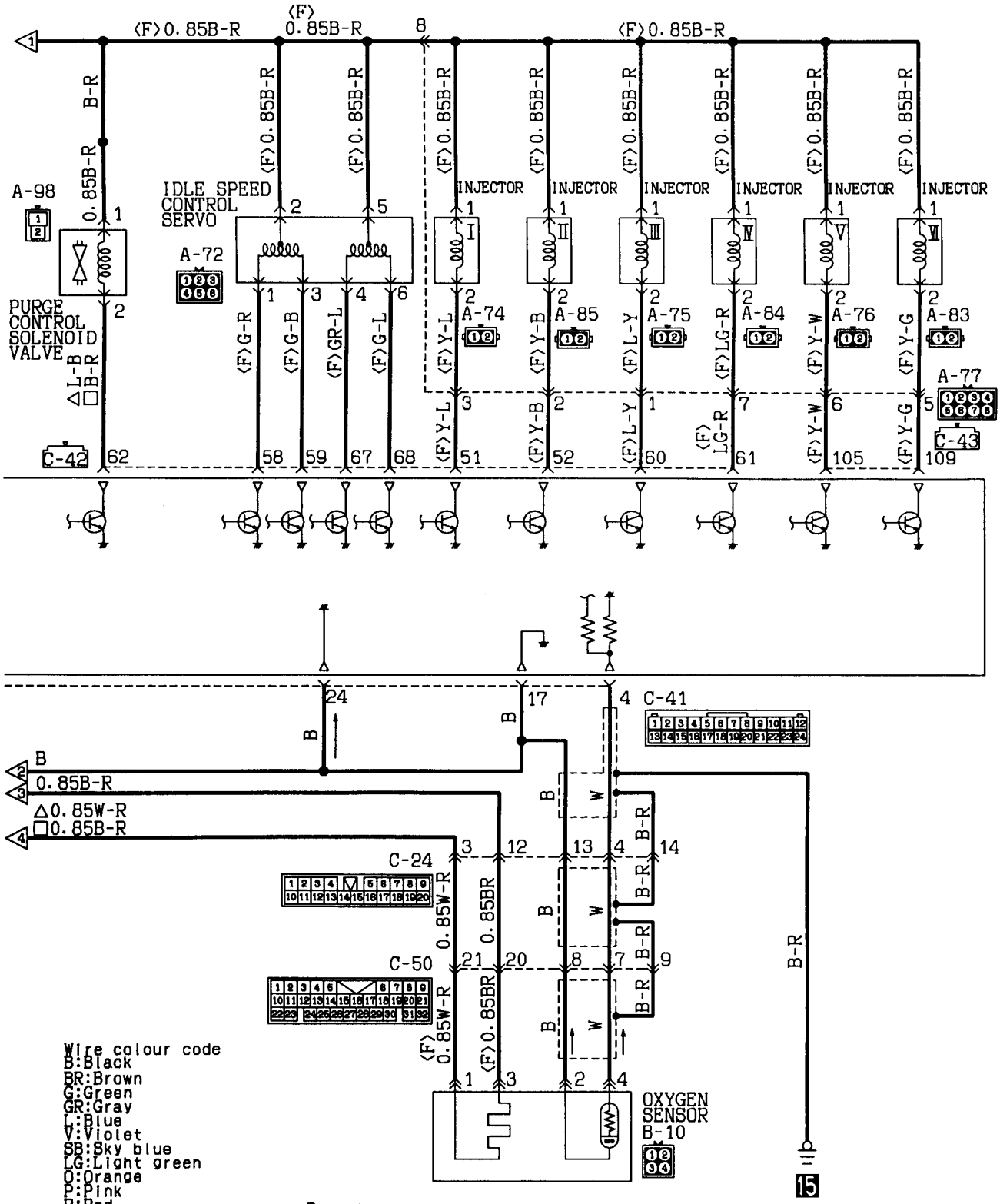
MPI SYSTEM<6G72-A/T> (CONTINUED)



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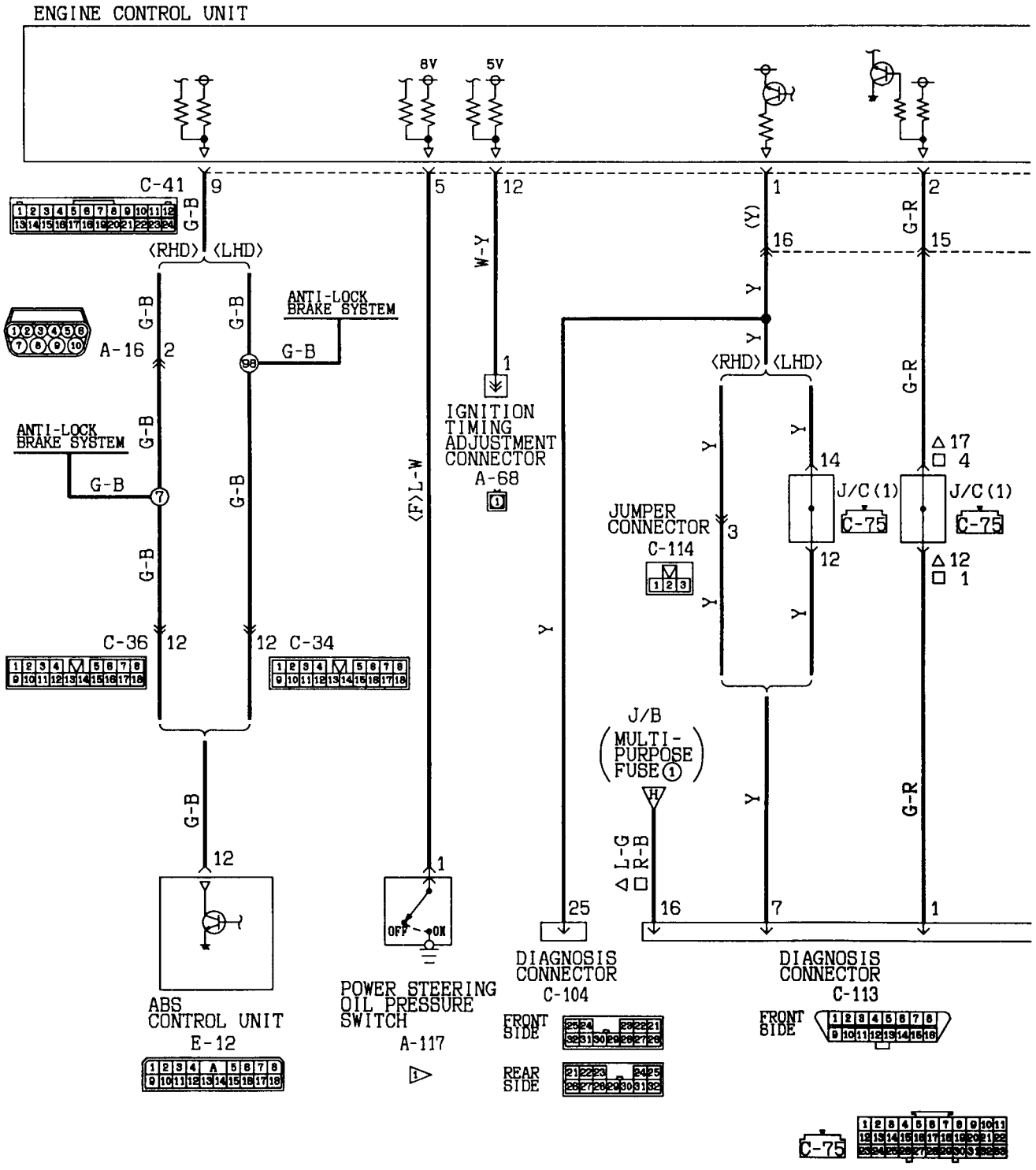
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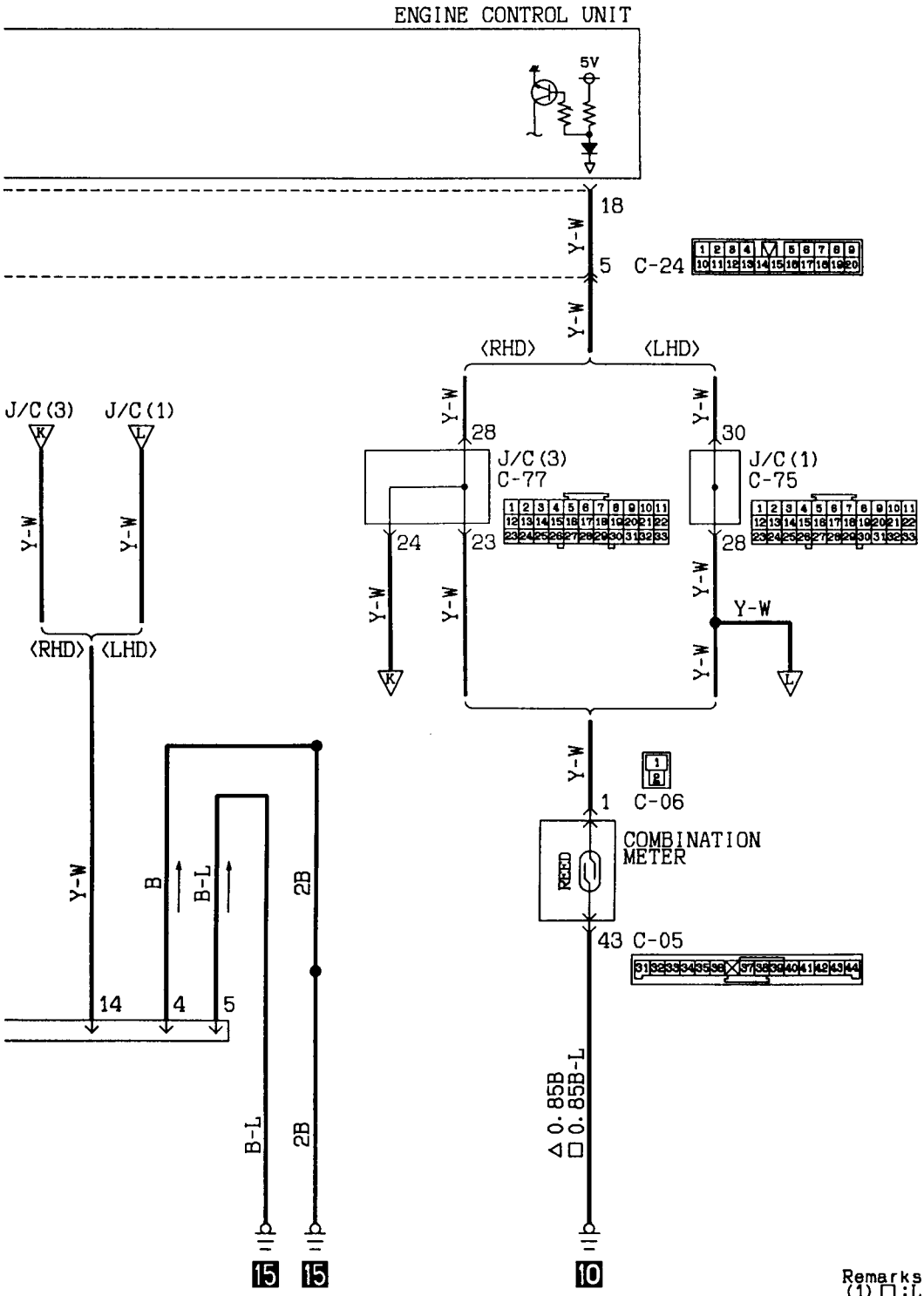
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MPI SYSTEM<6G72-A/T> (CONTINUED)



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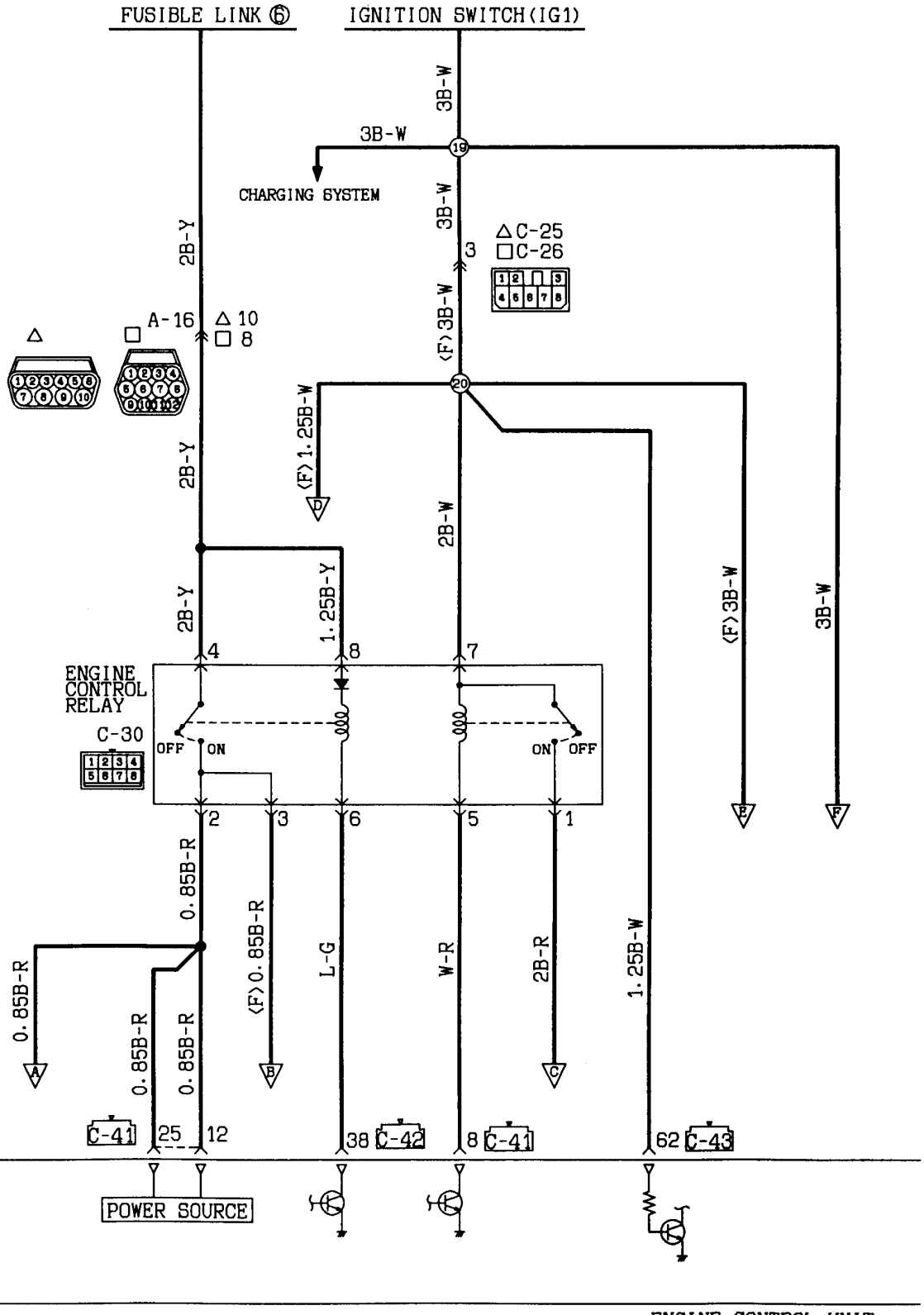
Remarks
(1) □ : L. H. drive vehicles
(2) △ : R. H. drive vehicles

Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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MPI SYSTEM
6G74-M/T

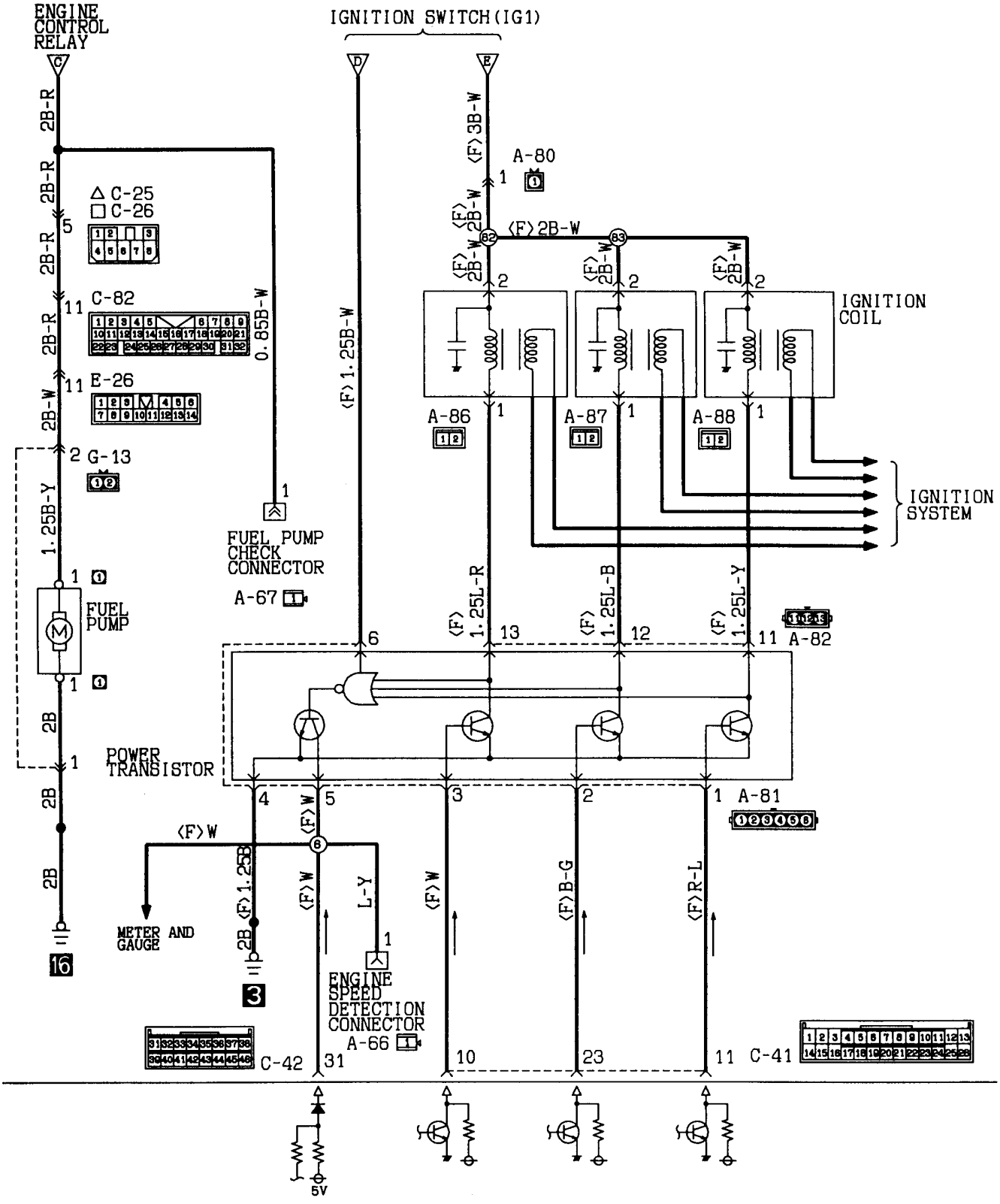


Remarks
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(2) △ : R.H. drive vehicles.

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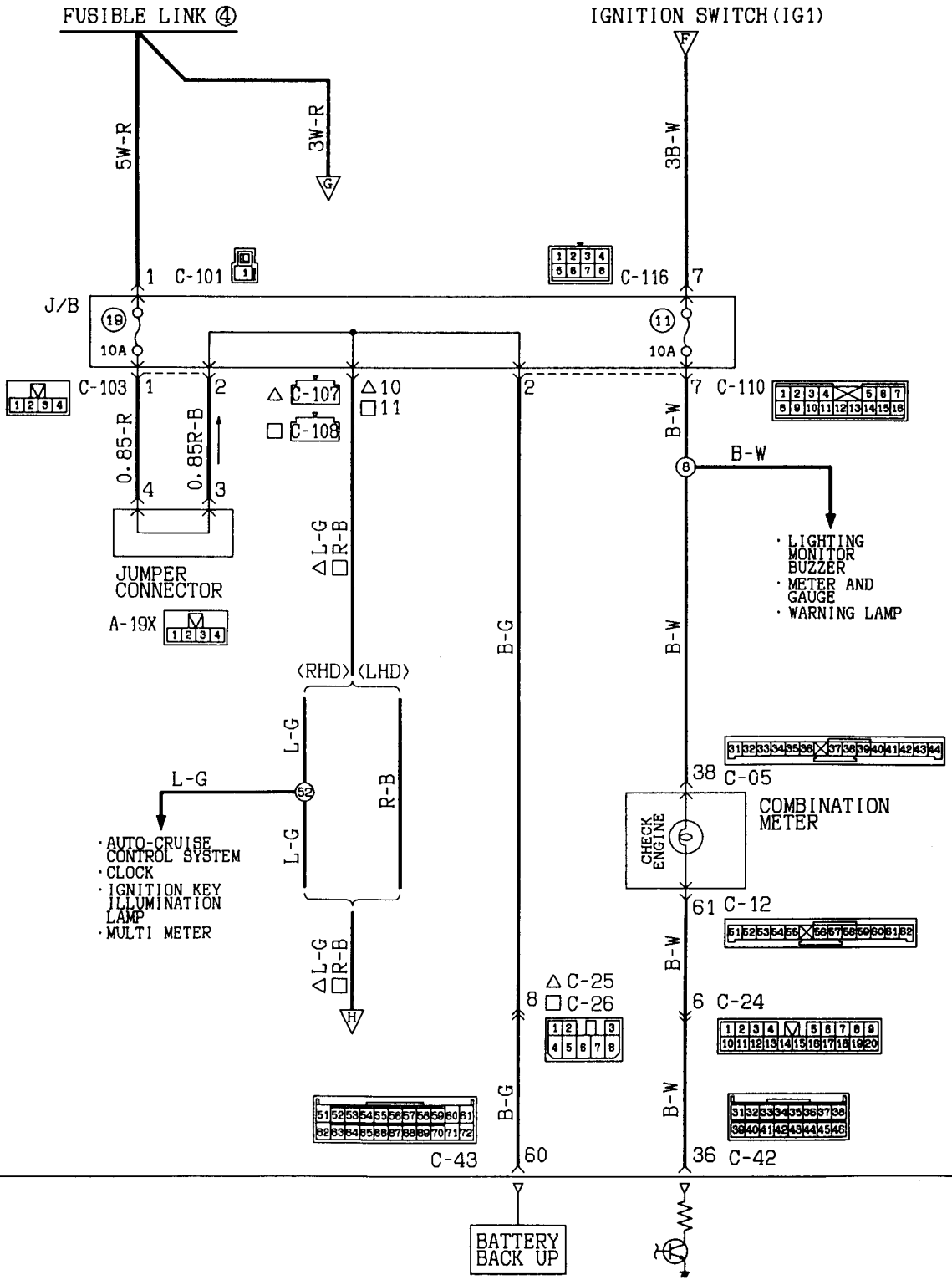
ENGINE CONTROL UNIT

Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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MPI SYSTEM<6G74-M/T> (CONTINUED)



ENGINE CONTROL UNIT

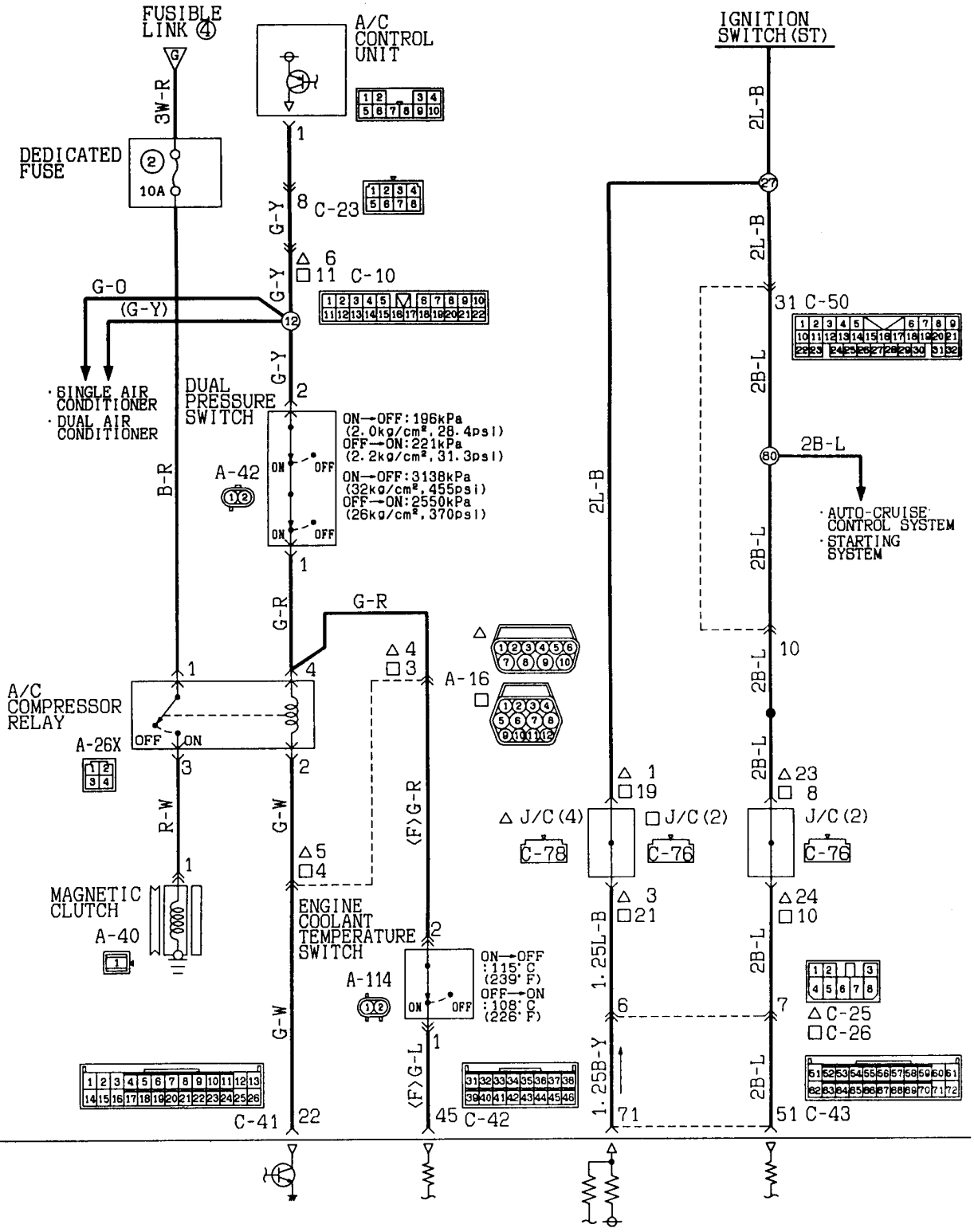
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C-107 C-108

Remarks
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(2) △ : R.H. drive vehicles.

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ENGINE CONTROL UNIT

C-76 C-78

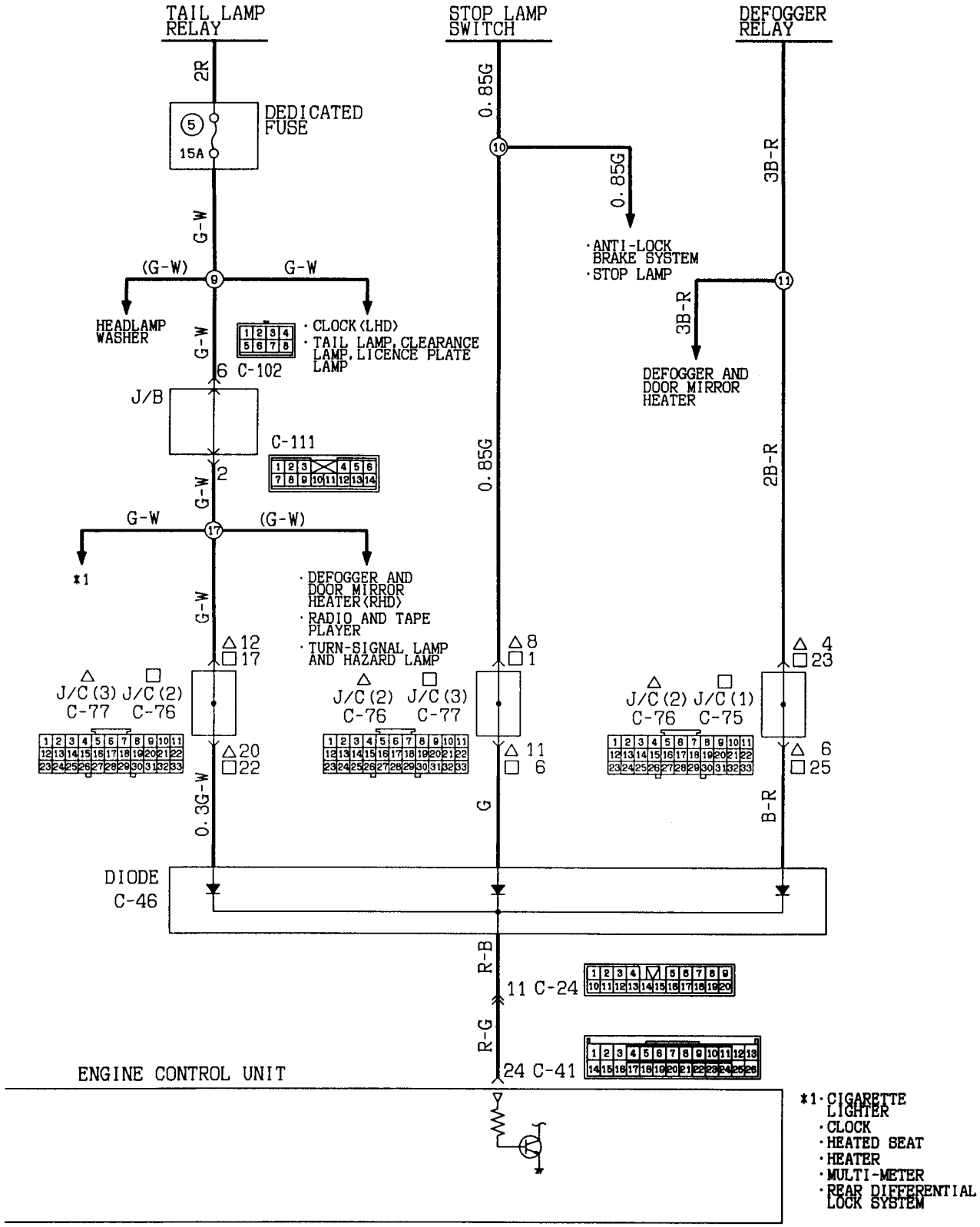
Wire colour code

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

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MPI SYSTEM<6G74-M/T> (CONTINUED)



Wire colour code

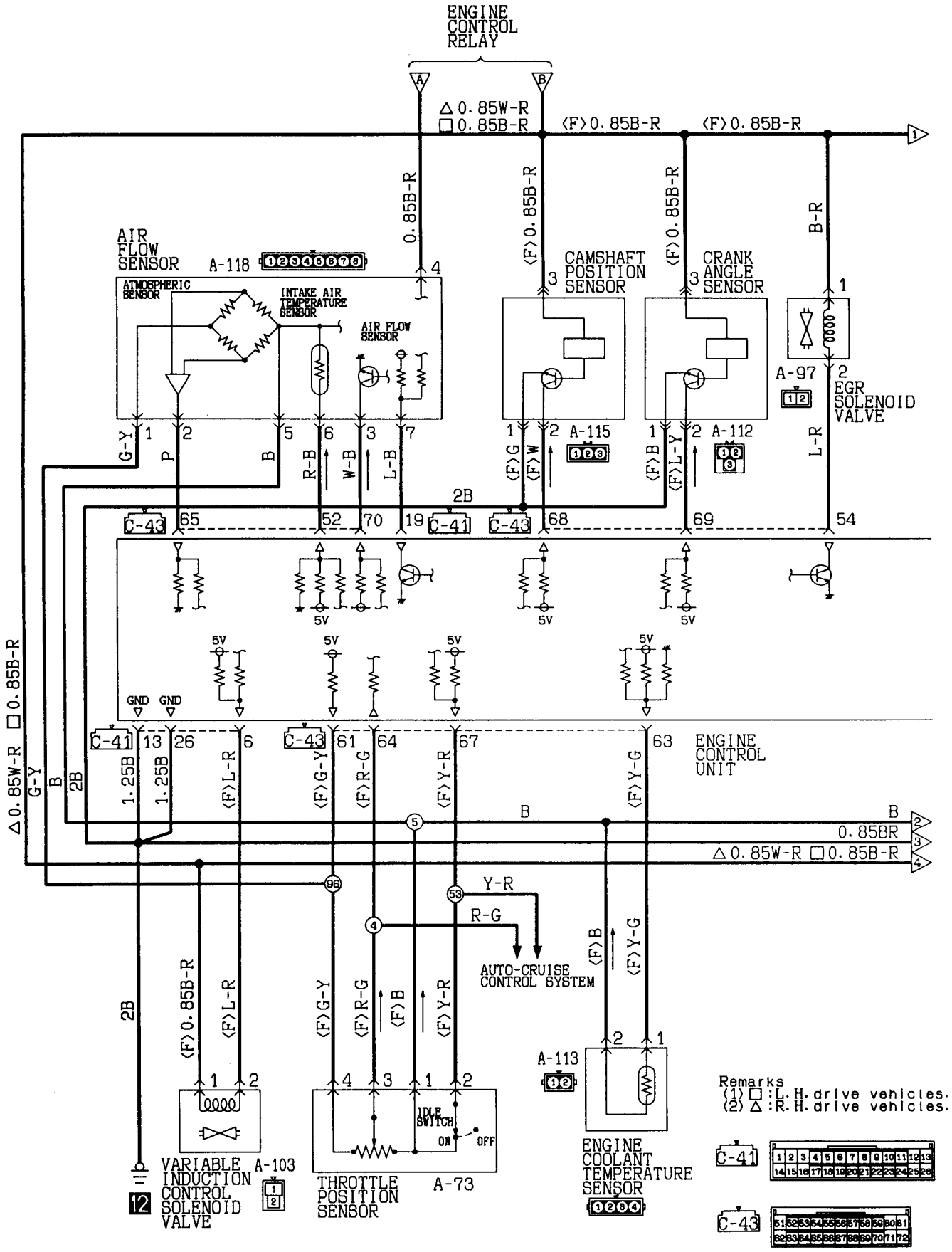
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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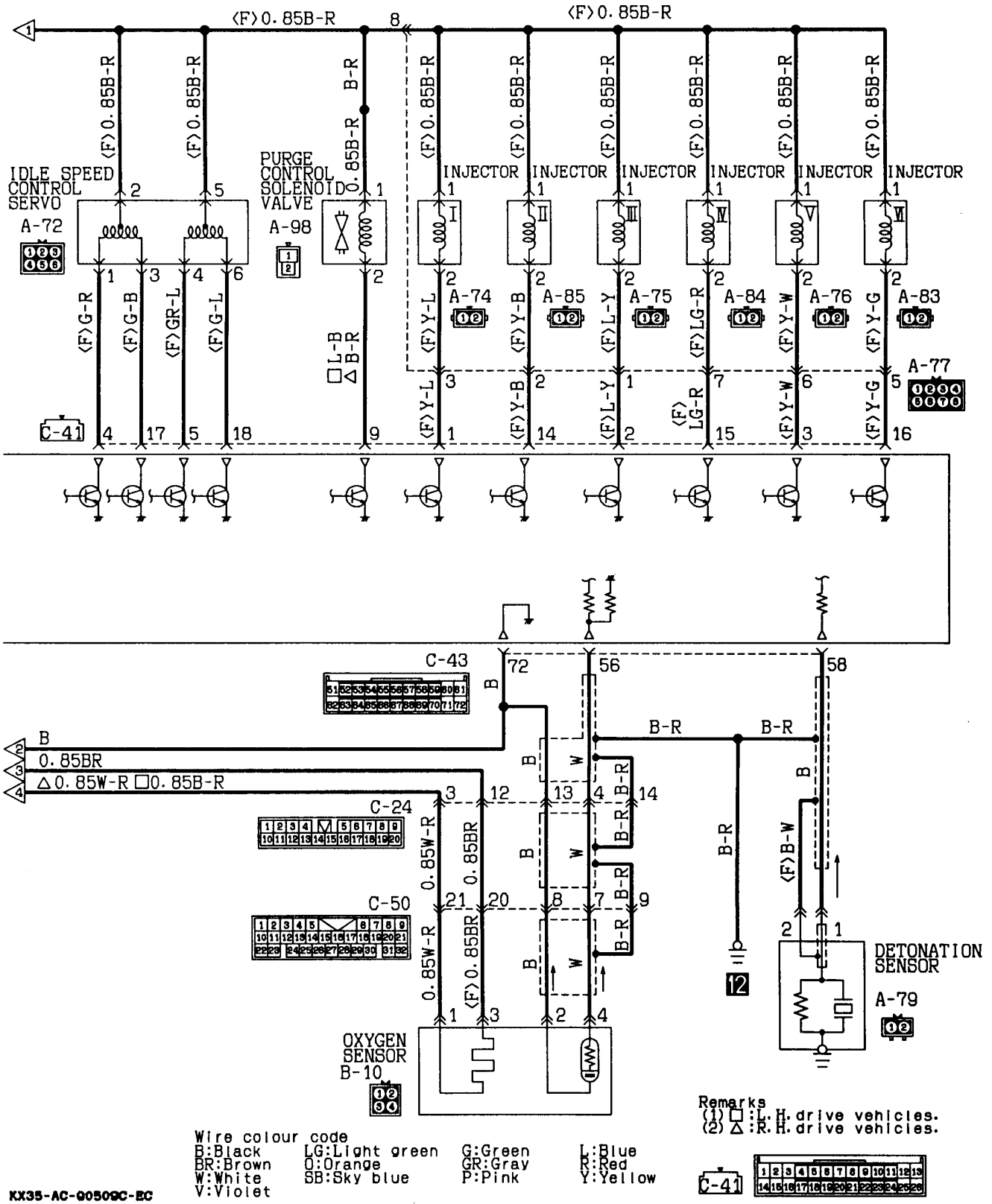
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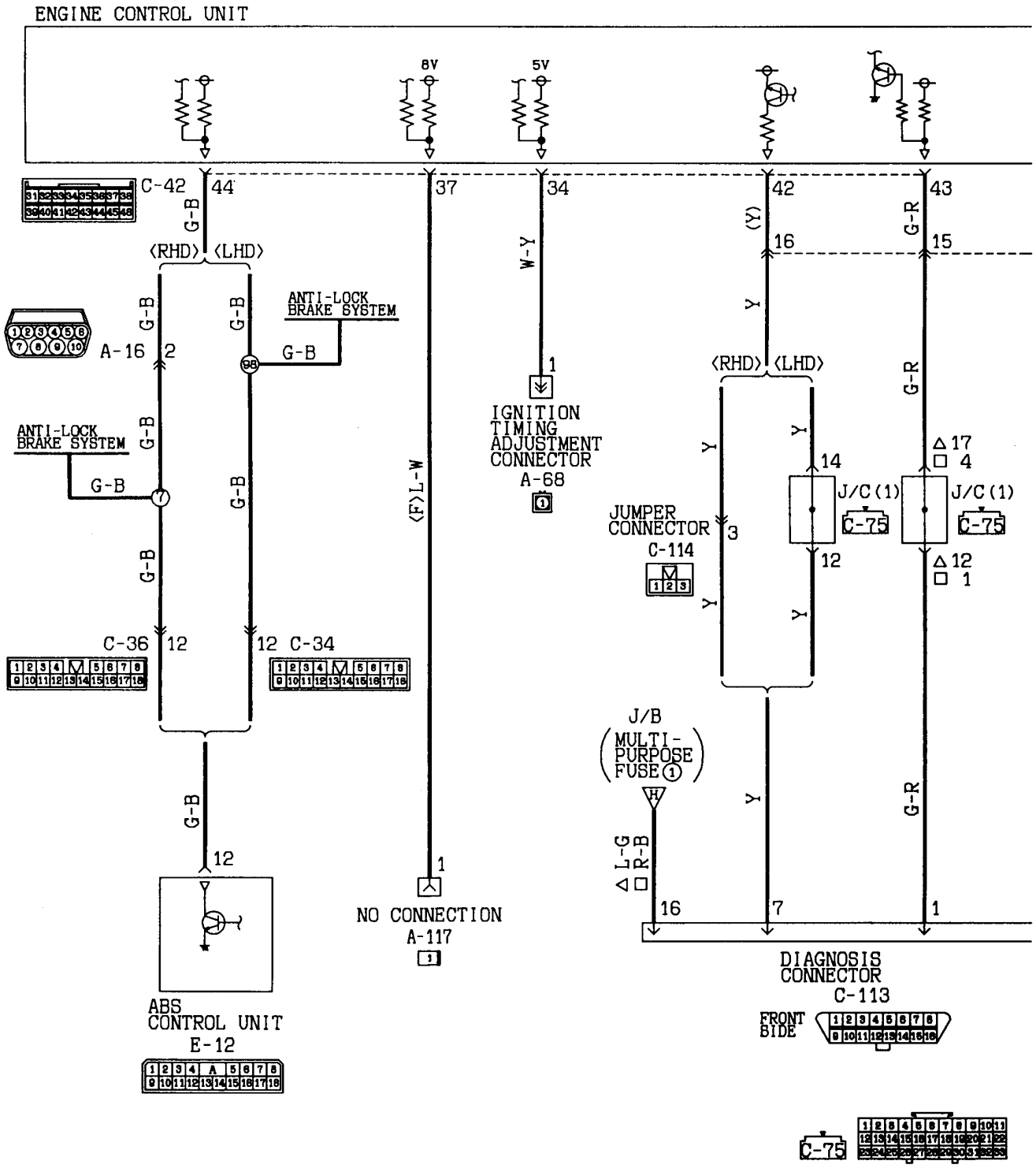
MPI SYSTEM<6G74-M/T> (CONTINUED)



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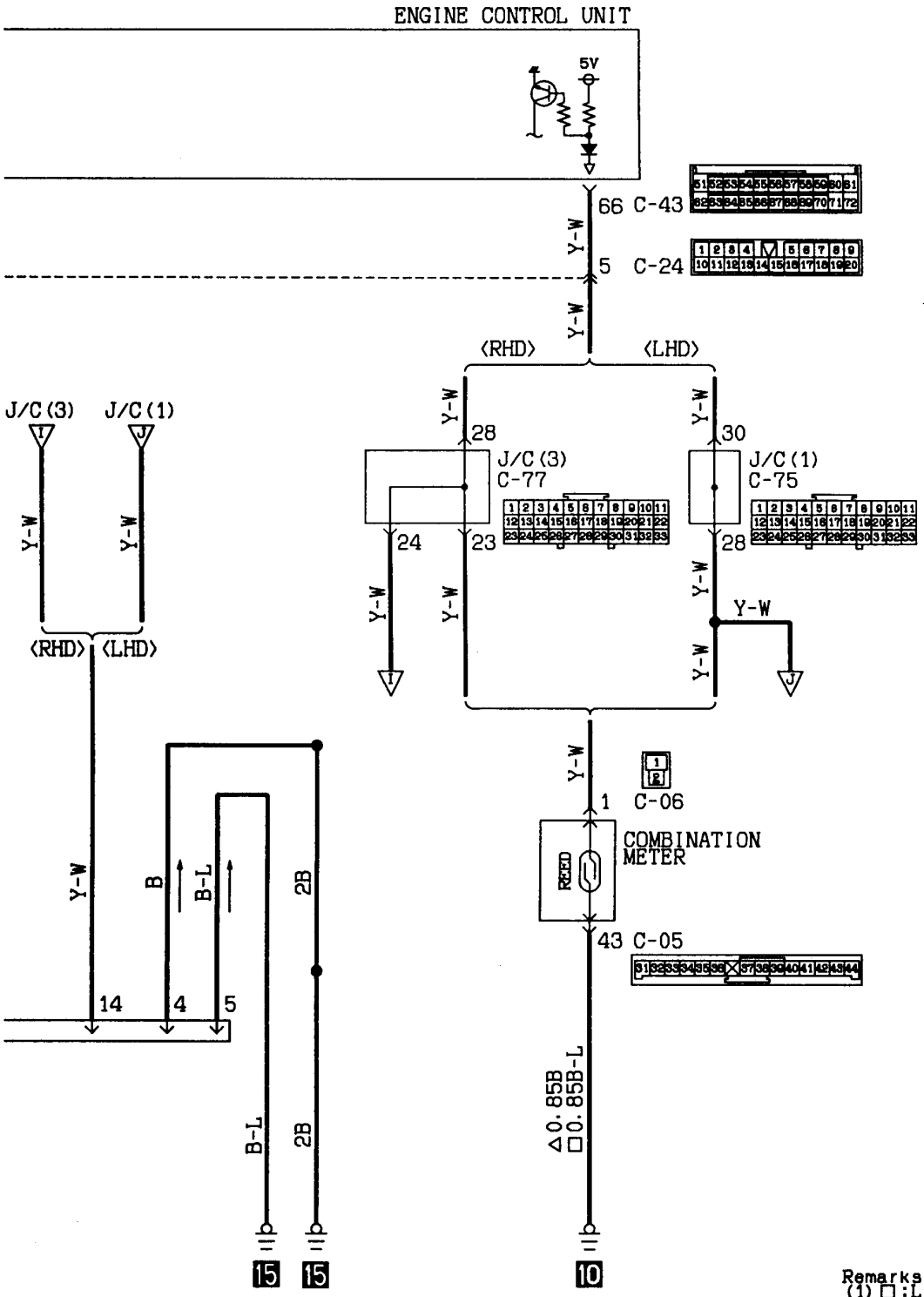


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MPI SYSTEM<6G74-M/T> (CONTINUED)



Wire colour code

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

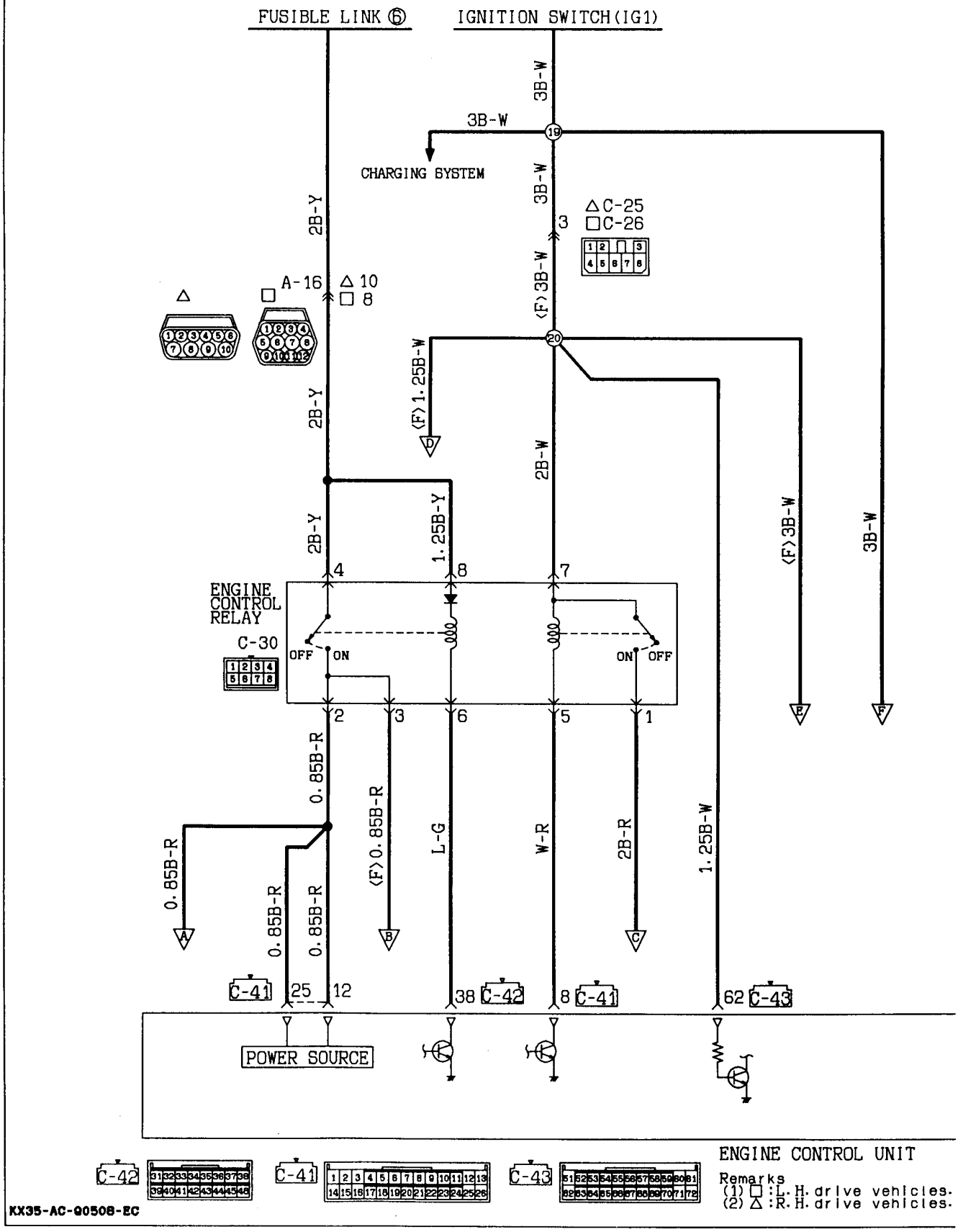
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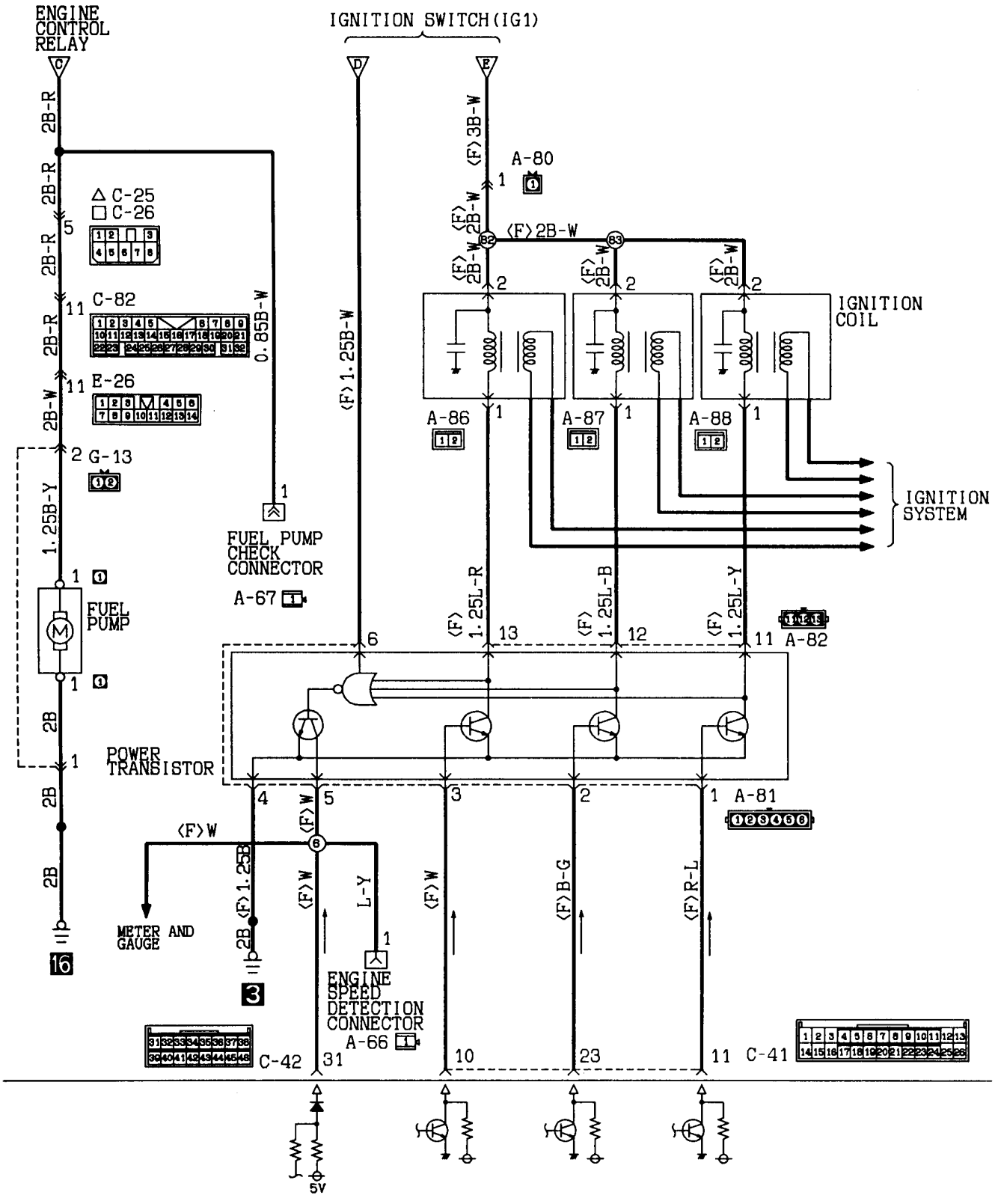
MPI SYSTEM
6G74-A/T



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ENGINE CONTROL UNIT

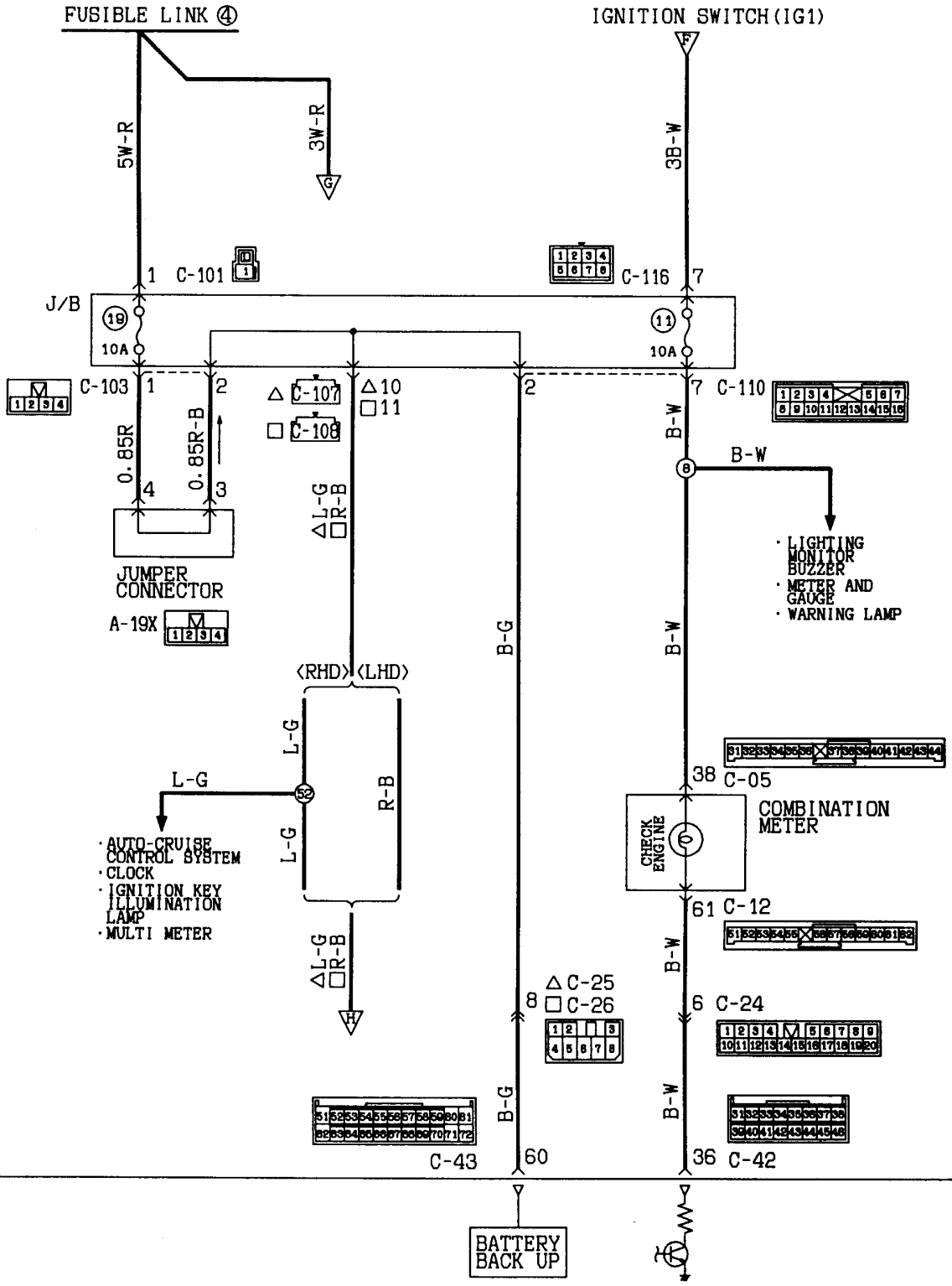
Wire colour code

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

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MPI SYSTEM<6G74-A/T> (CONTINUED)



ENGINE CONTROL UNIT

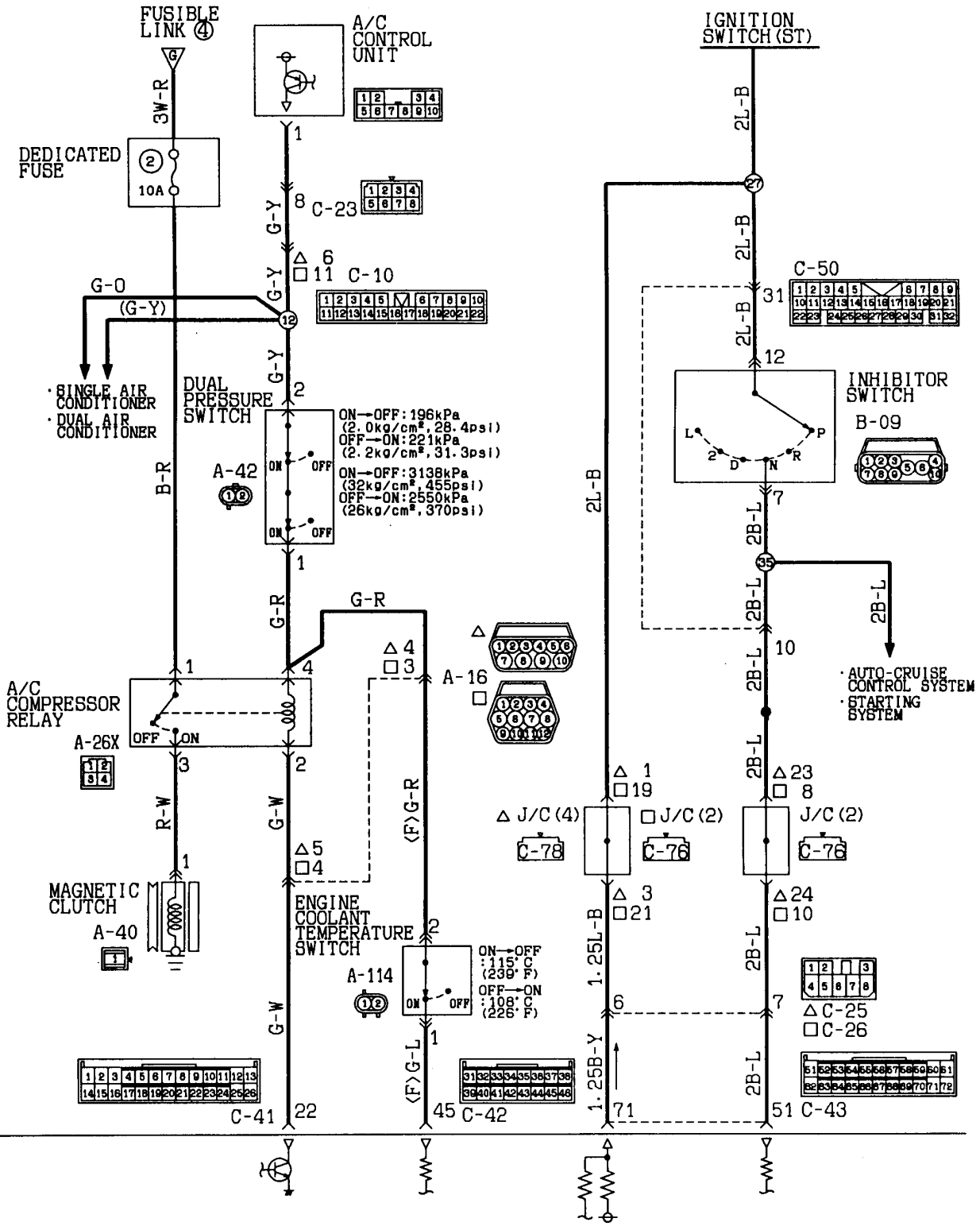
KX35-AC-00508A-EC

C-107 C-108

Remarks
(1) □ : L. H. drive vehicles.
(2) △ : R. H. drive vehicles.

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C-76 C-78

Wire colour code

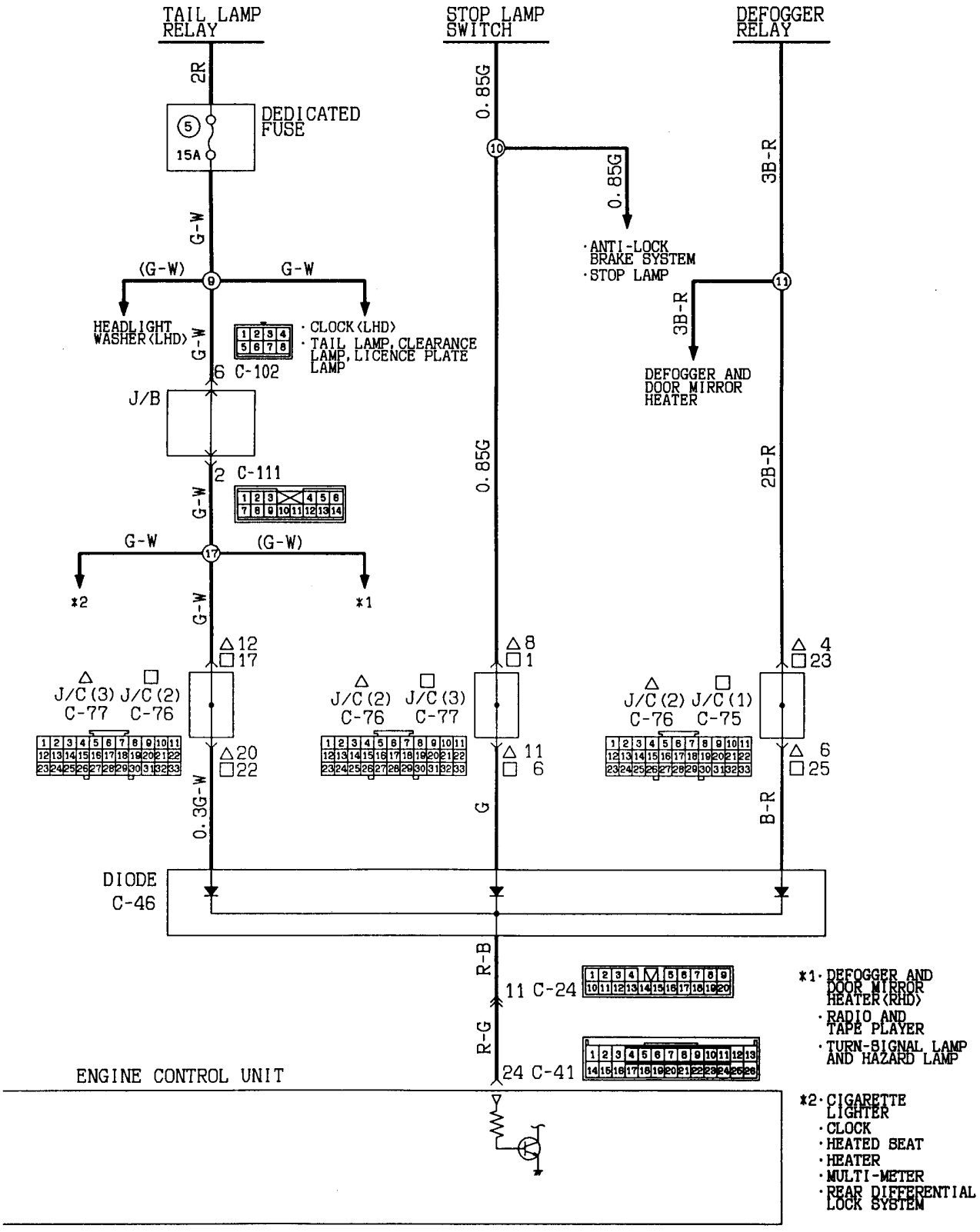
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

ENGINE CONTROL UNIT

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MPI SYSTEM<6G74-A/T> (CONTINUED)

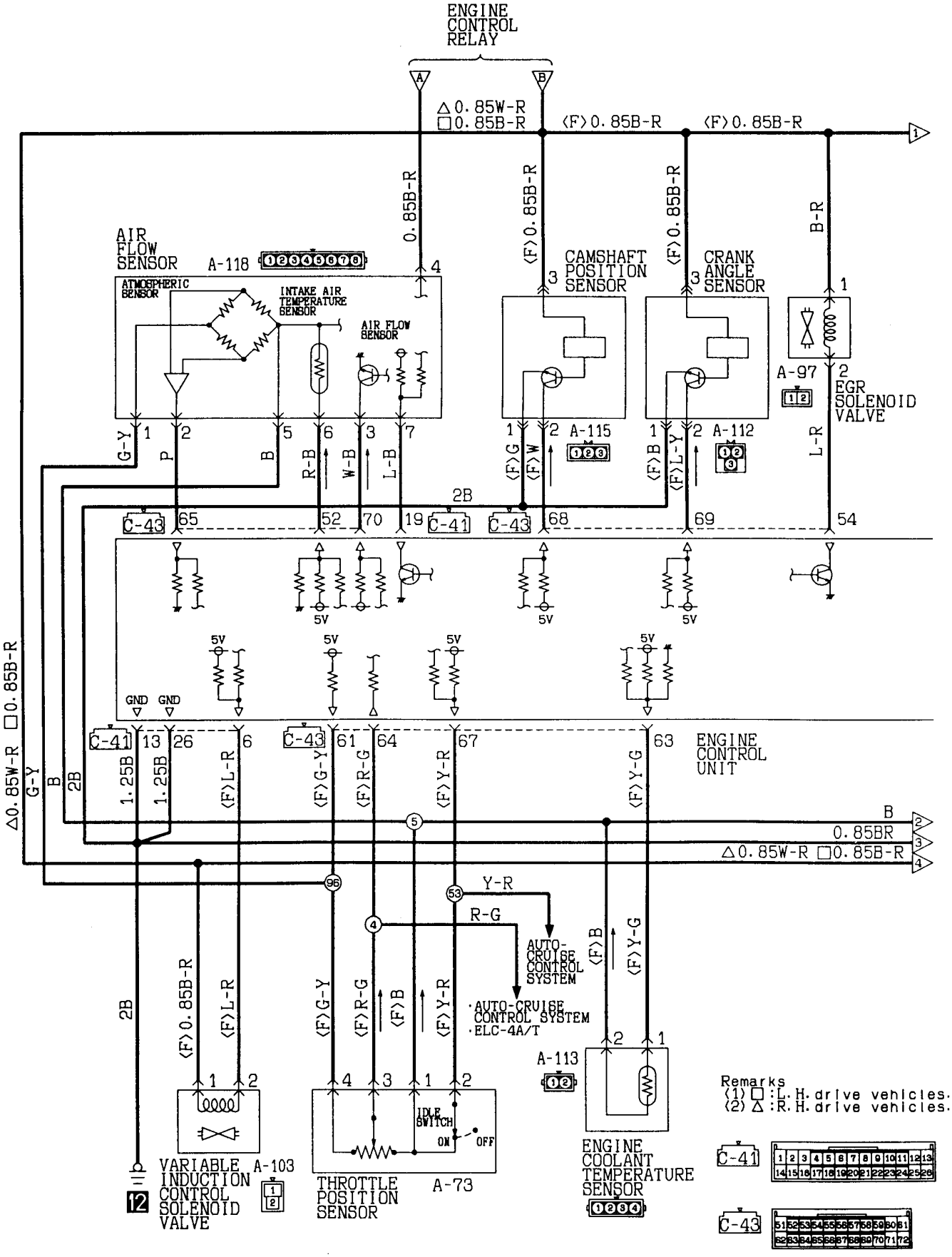


Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-00508B-EC

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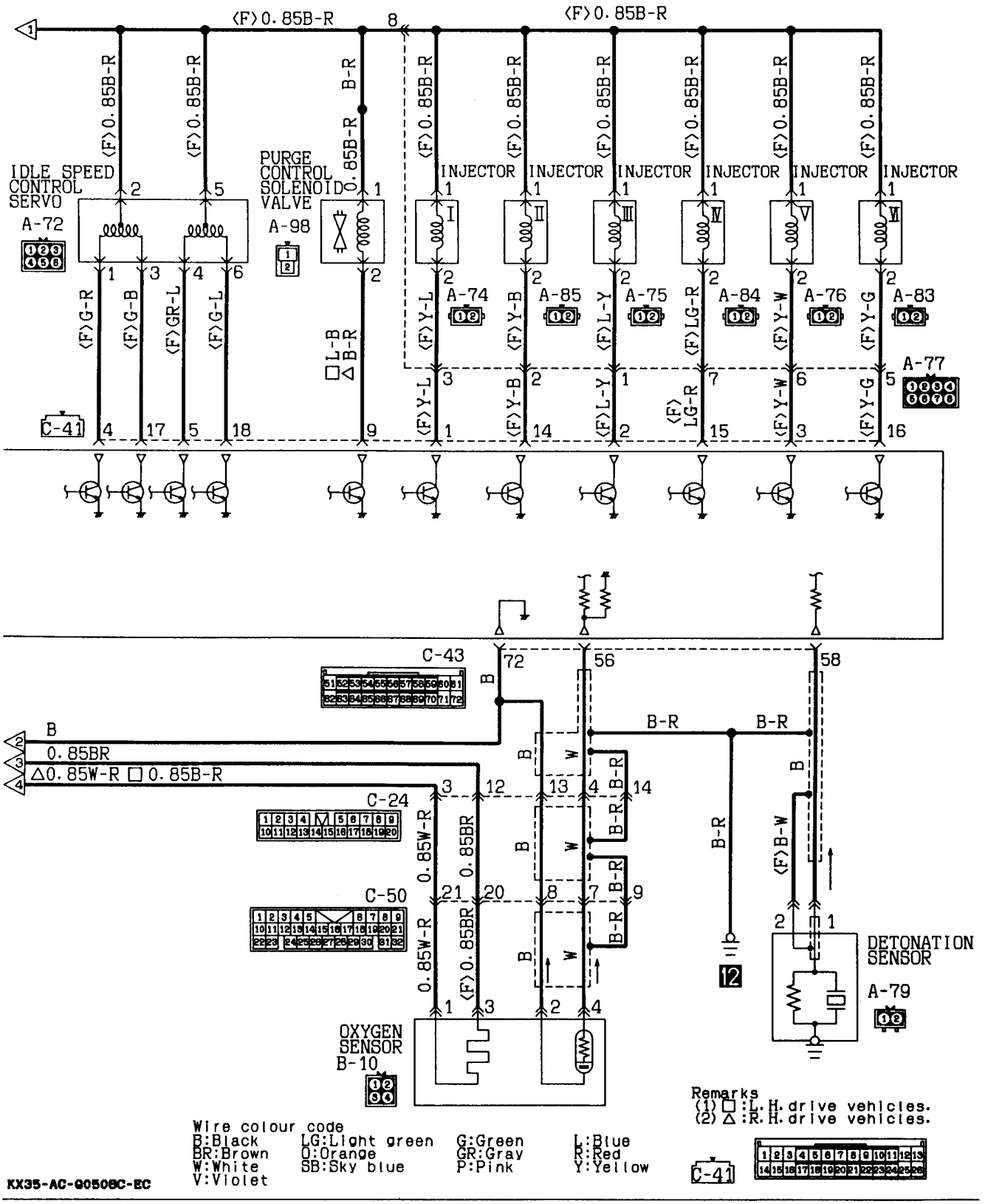
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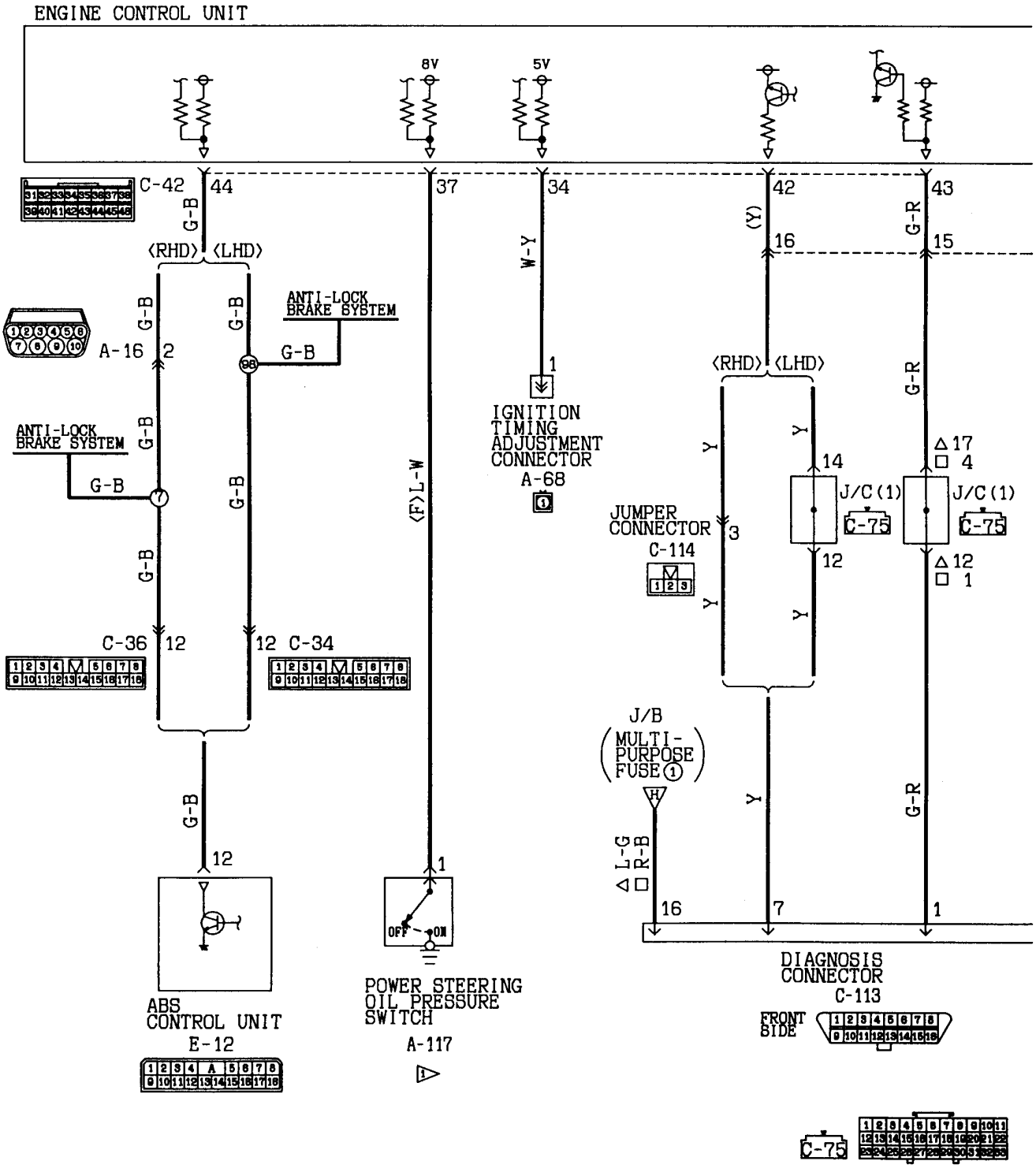
MPI SYSTEM<6G74-A/T> (CONTINUED)



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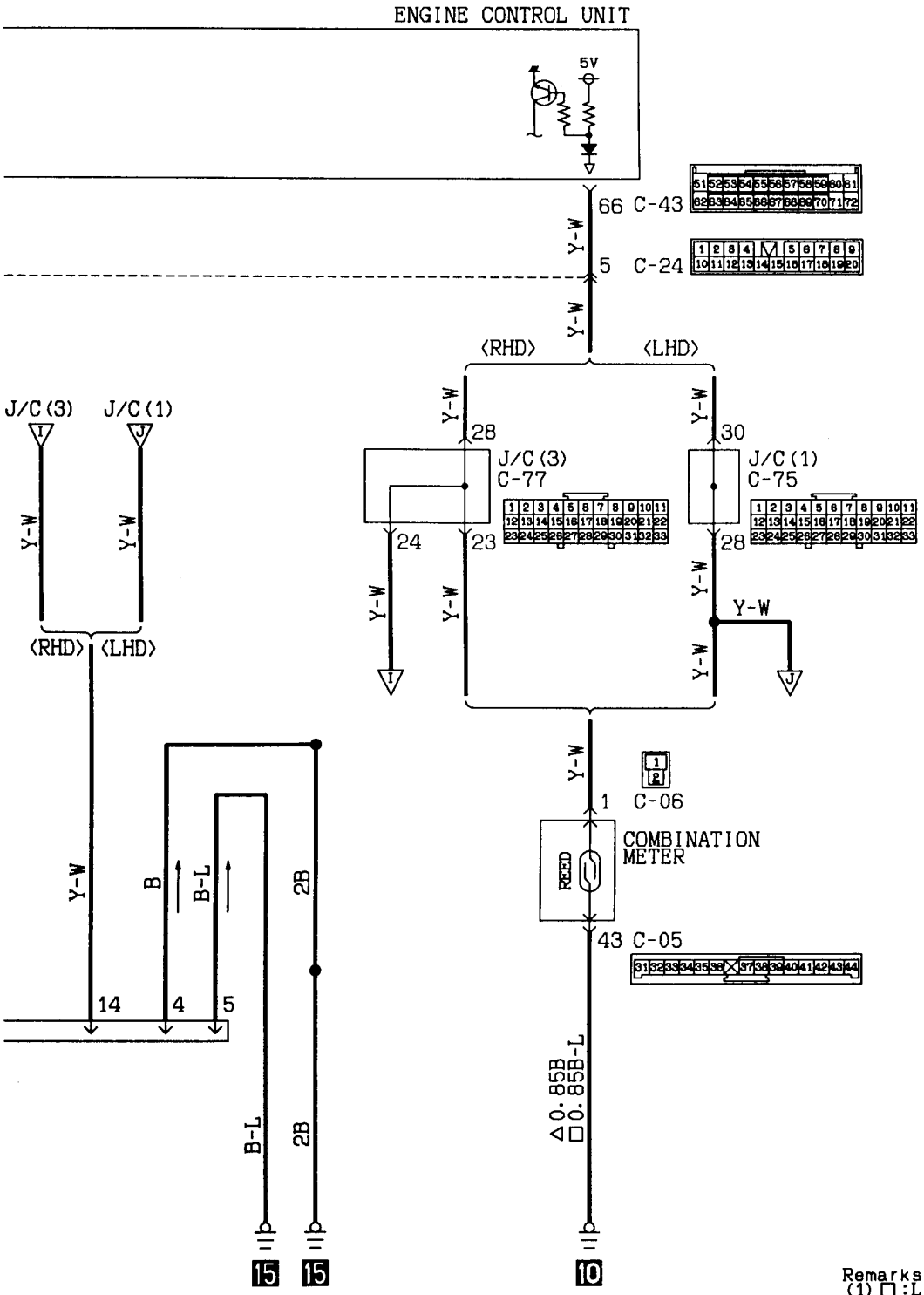


KX36-AC-90508D-EC

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MPI SYSTEM<6G74-A/T> (CONTINUED)



Remarks
(1) □ : L.H. drive vehicles
(2) △ : R.H. drive vehicles

Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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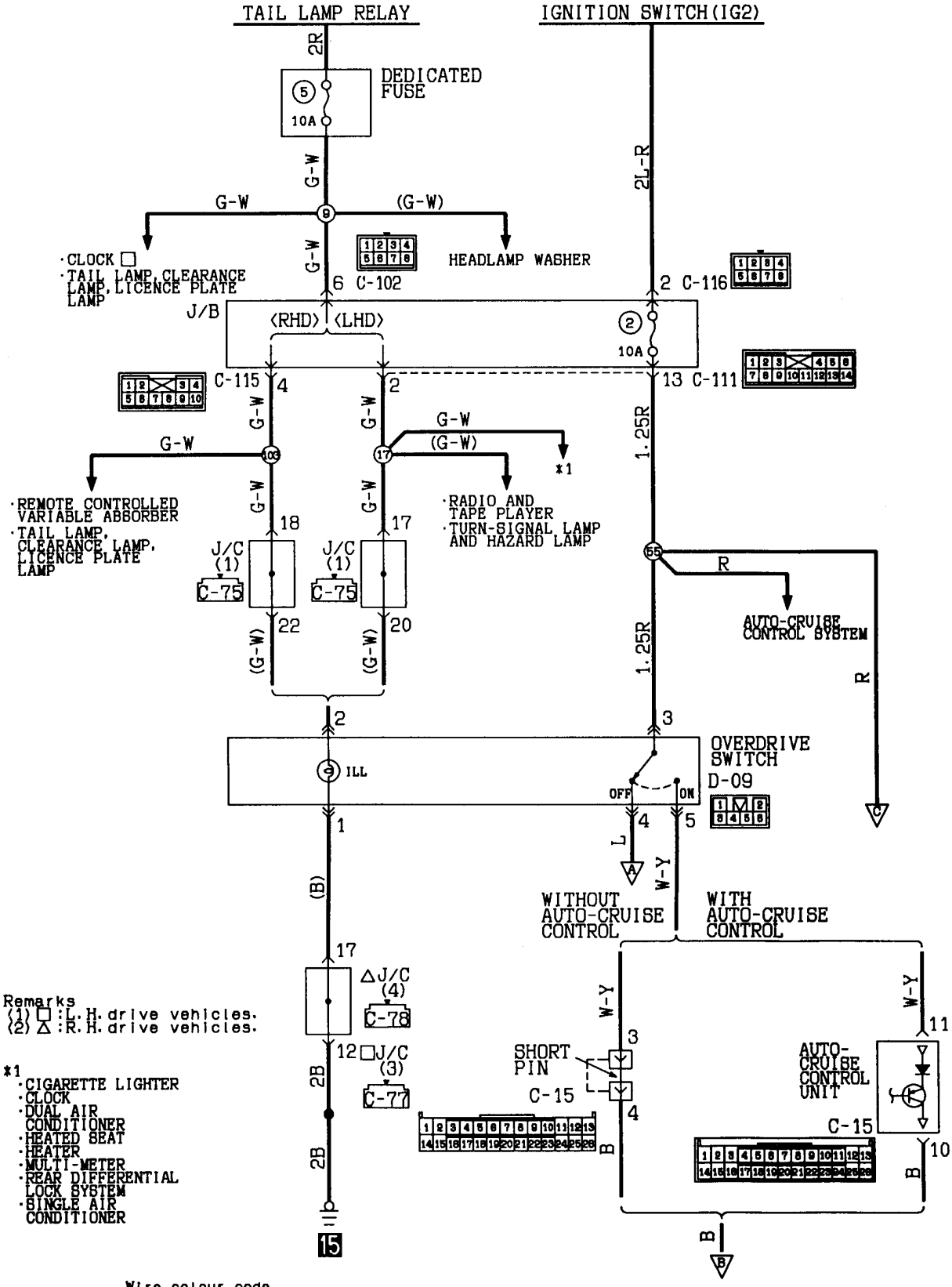
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OVERDRIVE CONTROL SYSTEM

6G72 engine



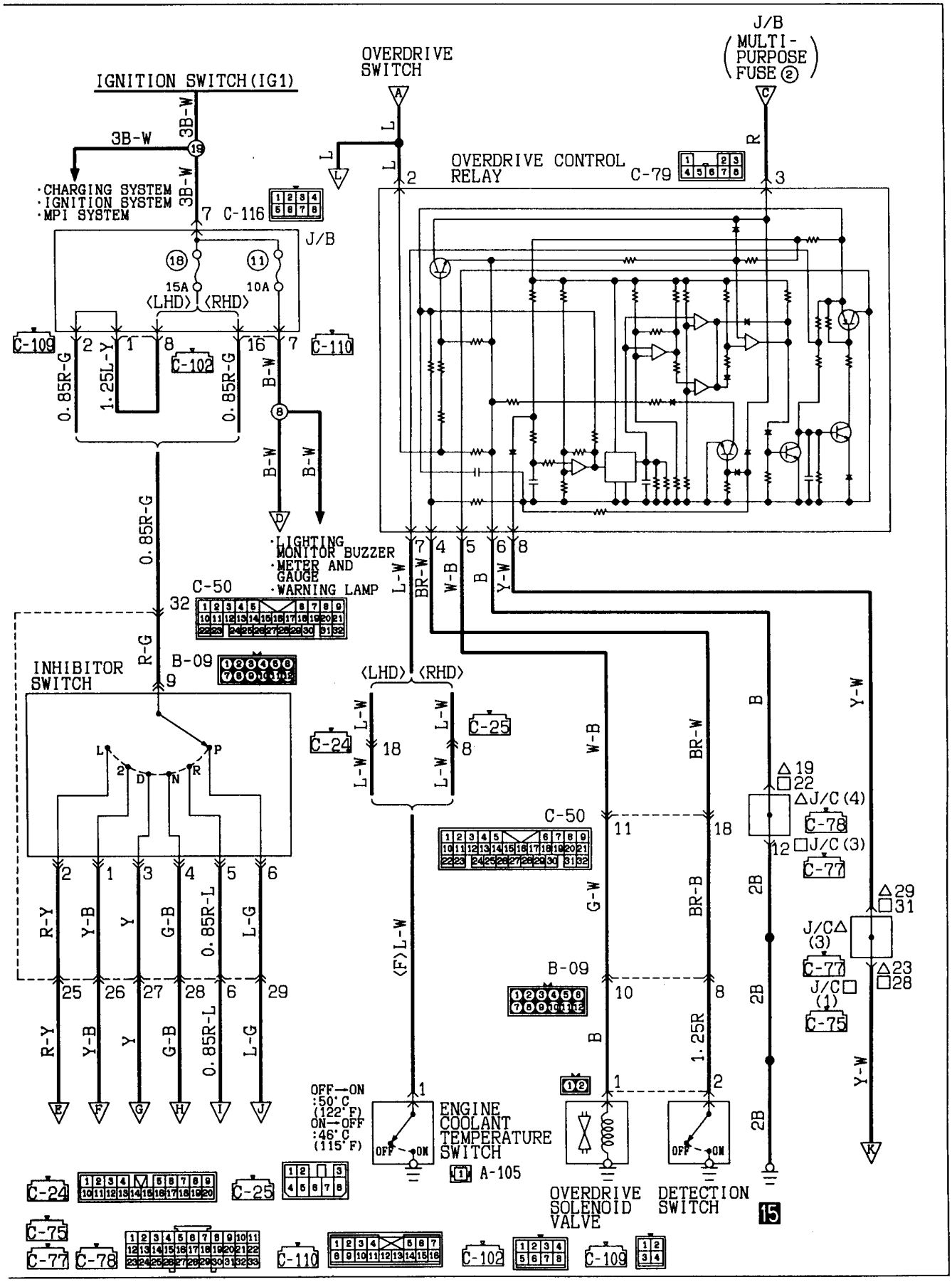
Wire colour code

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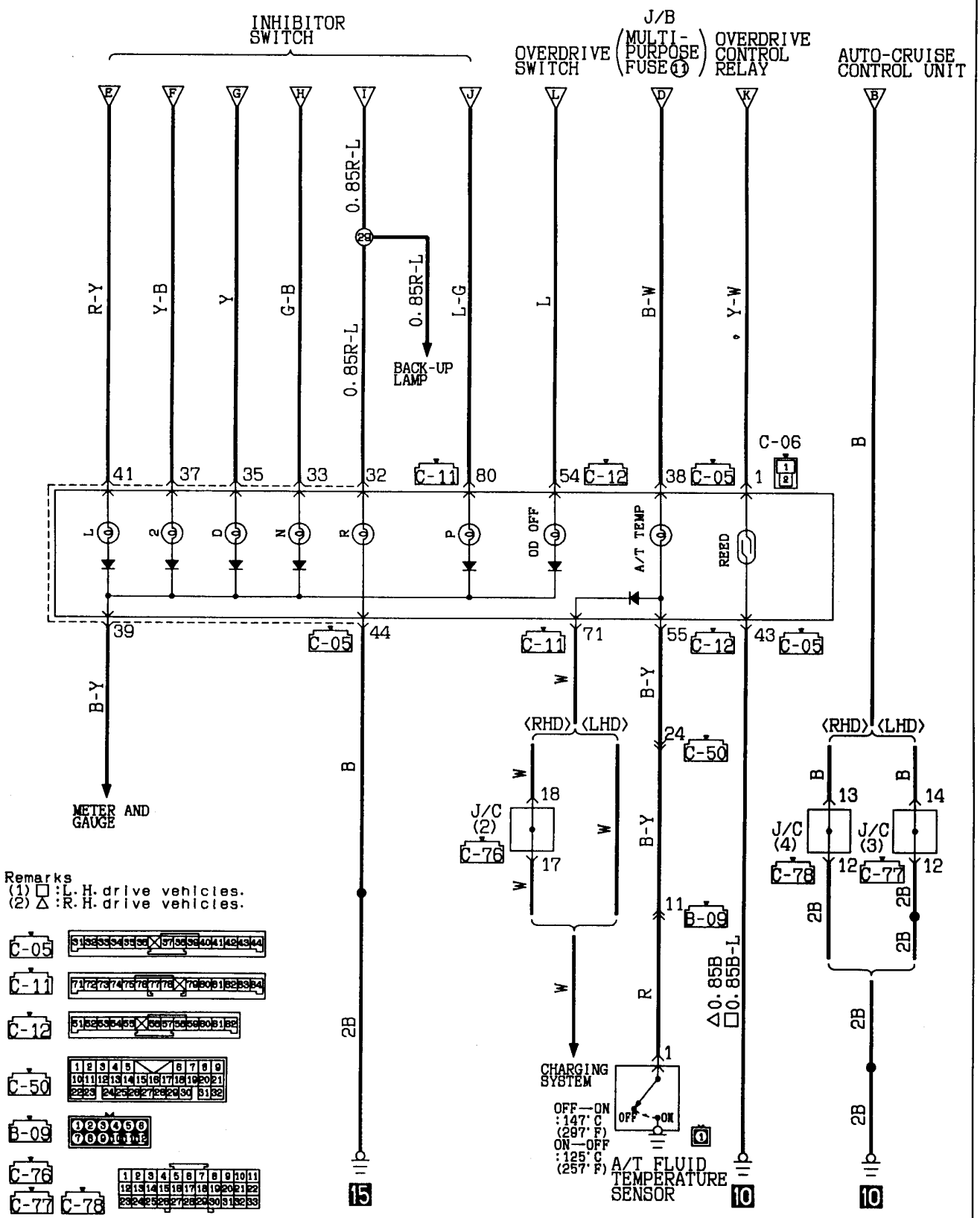
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OVERDRIVE CONTROL SYSTEM<6G72 engine> (CONTINUED)



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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OVERDRIVE CONTROL SYSTEM (See P. 4A-82.)

OPERATION

〈Overdrive solenoid valve〉

- When the overdrive switch is switched OFF (with the ignition switch at the ON position), battery voltage is applied, through fuse No. ② and the overdrive relay, to the engine coolant temperature switch.
- When the engine coolant temperature becomes 50°C (122°F) or higher, the engine coolant temperature switch is switched ON.
- When the engine coolant temperature switch is switched ON, current flows to the ignition switch, fuse No. ②, the overdrive switch, the overdrive relay, the engine coolant temperature switch, and earth, and the relay is switched ON.
- When the overdrive relay is switched OFF, current flows to the ignition switch, fuse No. ②, the overdrive switch, the overdrive relay, the overdrive solenoid, and earth, and the solenoid valve is activated.

〈Overdrive off indicator lamp〉

- When the overdrive switch is switched OFF (with the ignition switch at the ON position), current flows to the ignition switch, fuse No. ②, the overdrive switch, the overdrive off indicator, and earth, and the indicator illuminates.

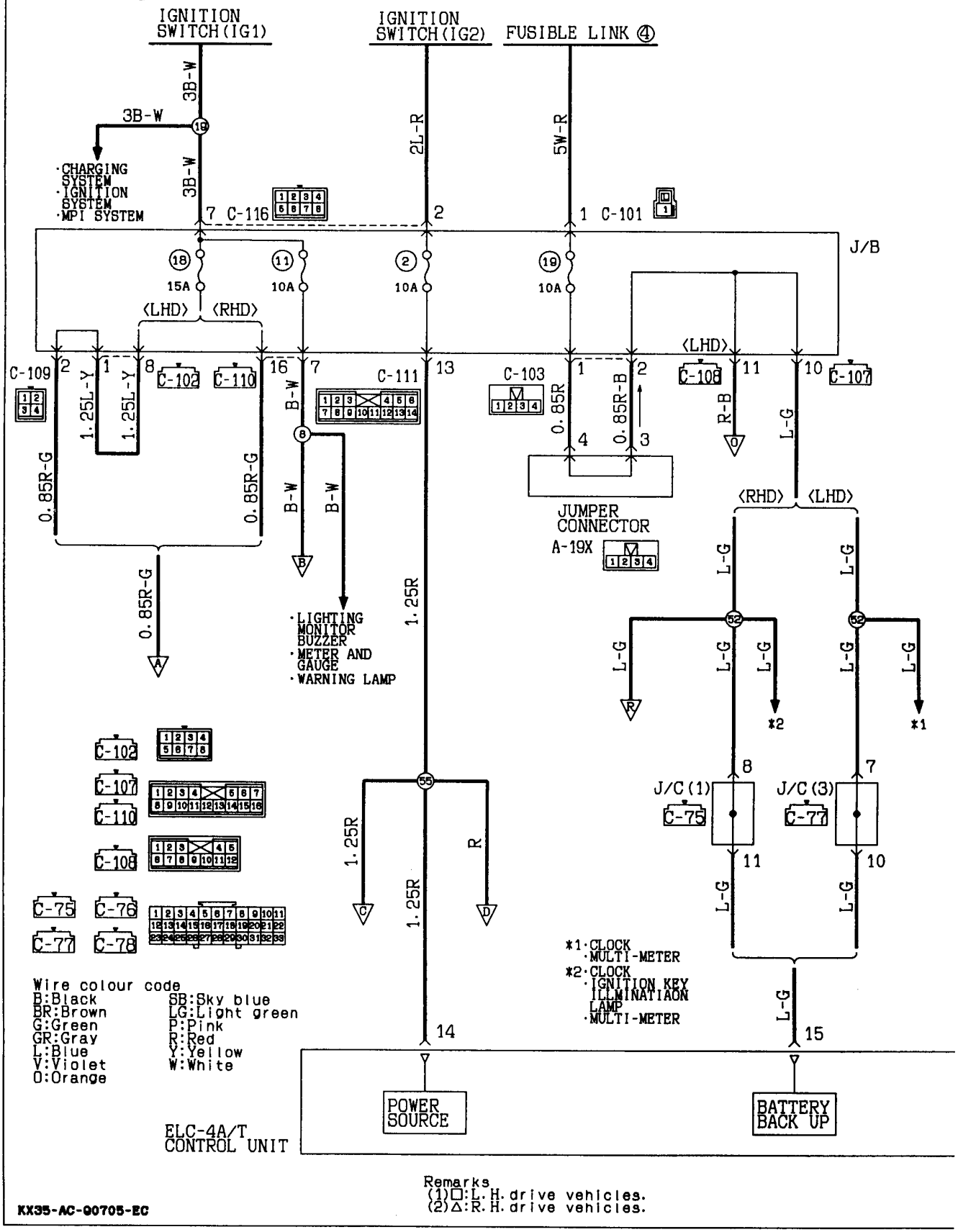
〈Automatic transmission oil temperature warning lamp〉

- When the ignition switch is turned to the "ON" position (with the engine stopped), the automatic transmission oil temperature warning lamp comes on and the lamp switches OFF when the engine is started. This feature can be used to check for a failure of the lamp's bulb.
- When the automatic transmission oil temperature becomes abnormally high, the automatic transmission oil temperature switch turns ON causing the automatic transmission oil temperature warning lamp to light up.

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ELC 4-SPEED AUTOMATIC TRANSMISSION

6G74 engine

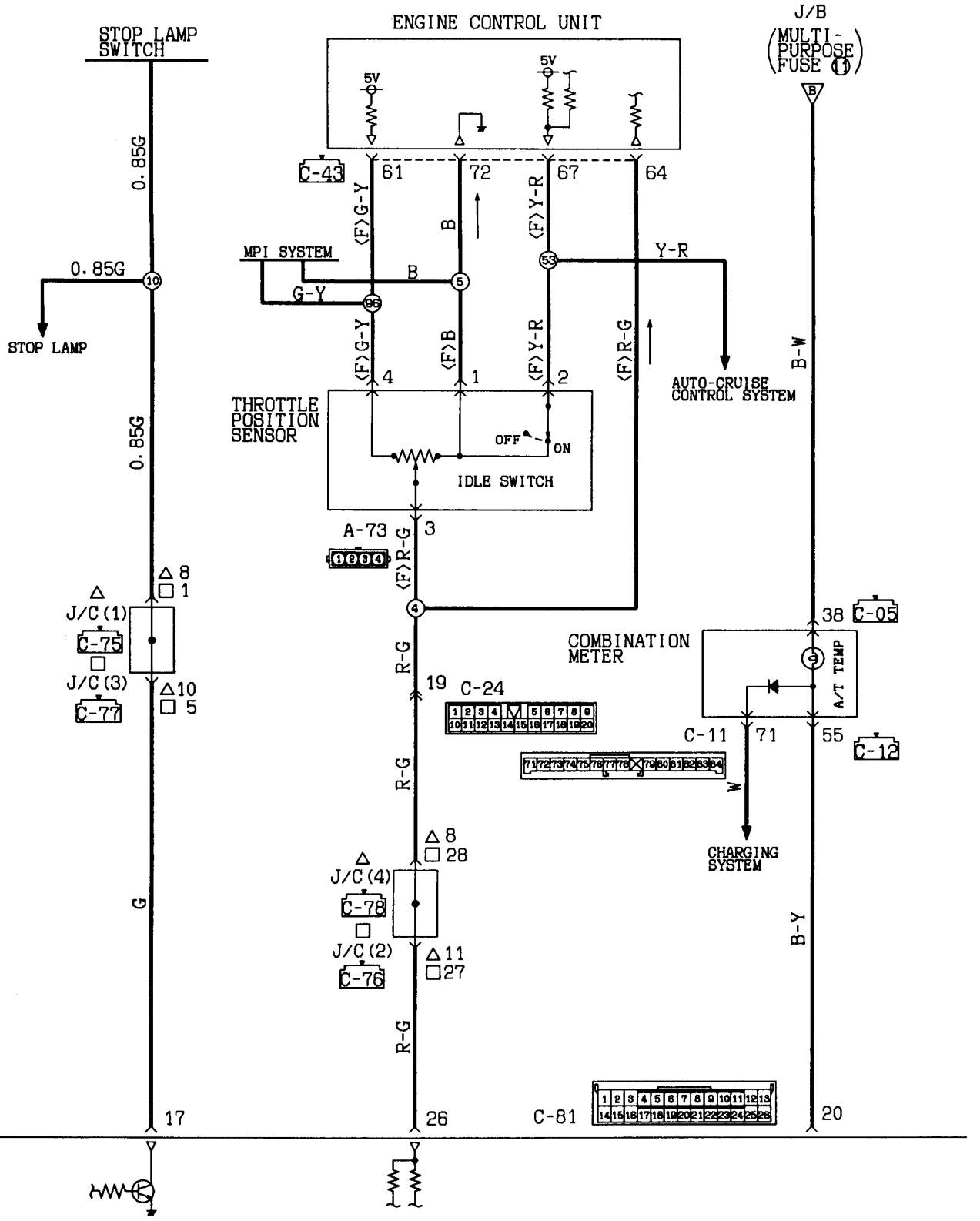


Remarks
(1)□:L.H. drive vehicles.
(2)△:R.H. drive vehicles.

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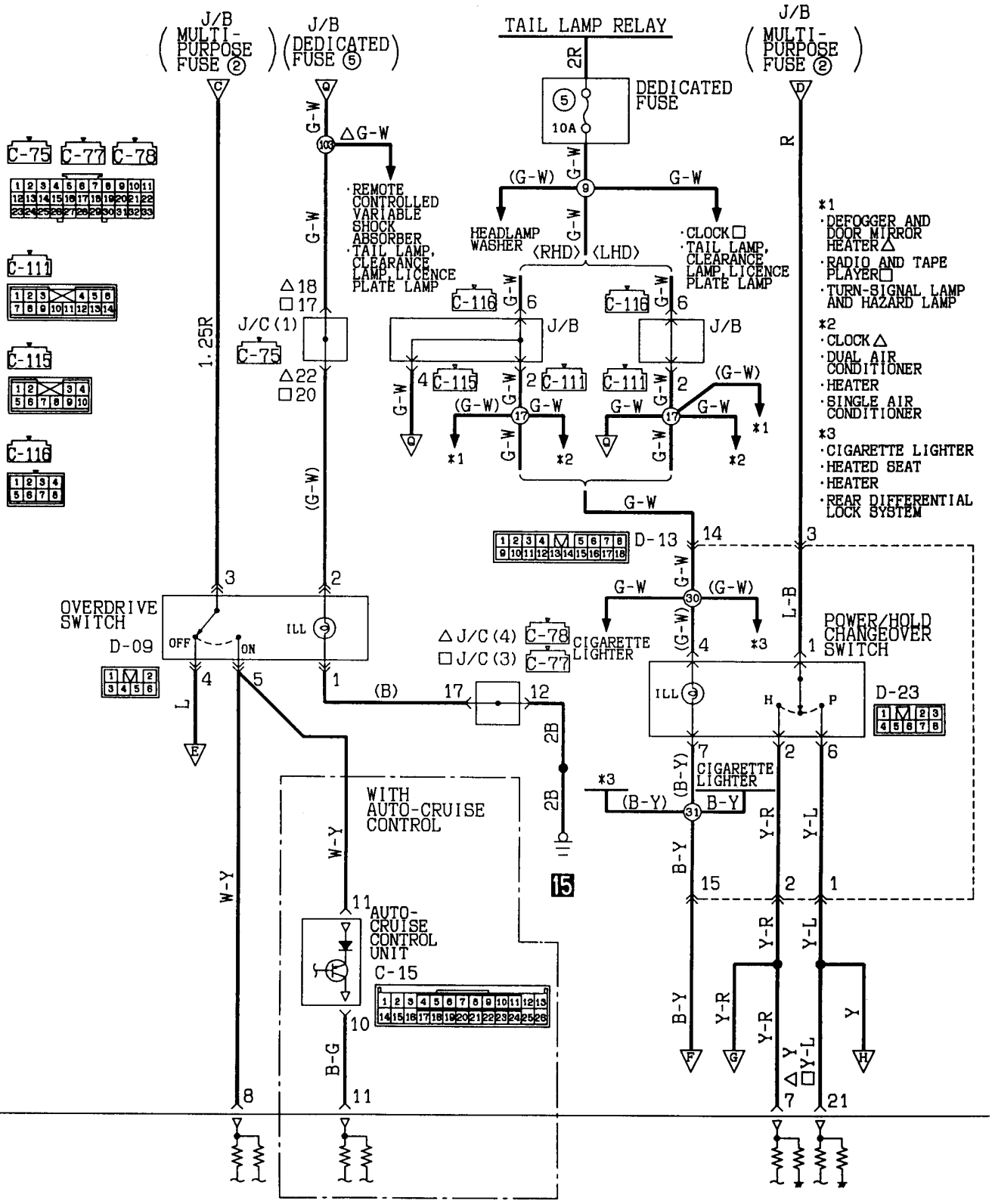
ELC-4A/T CONTROL UNIT



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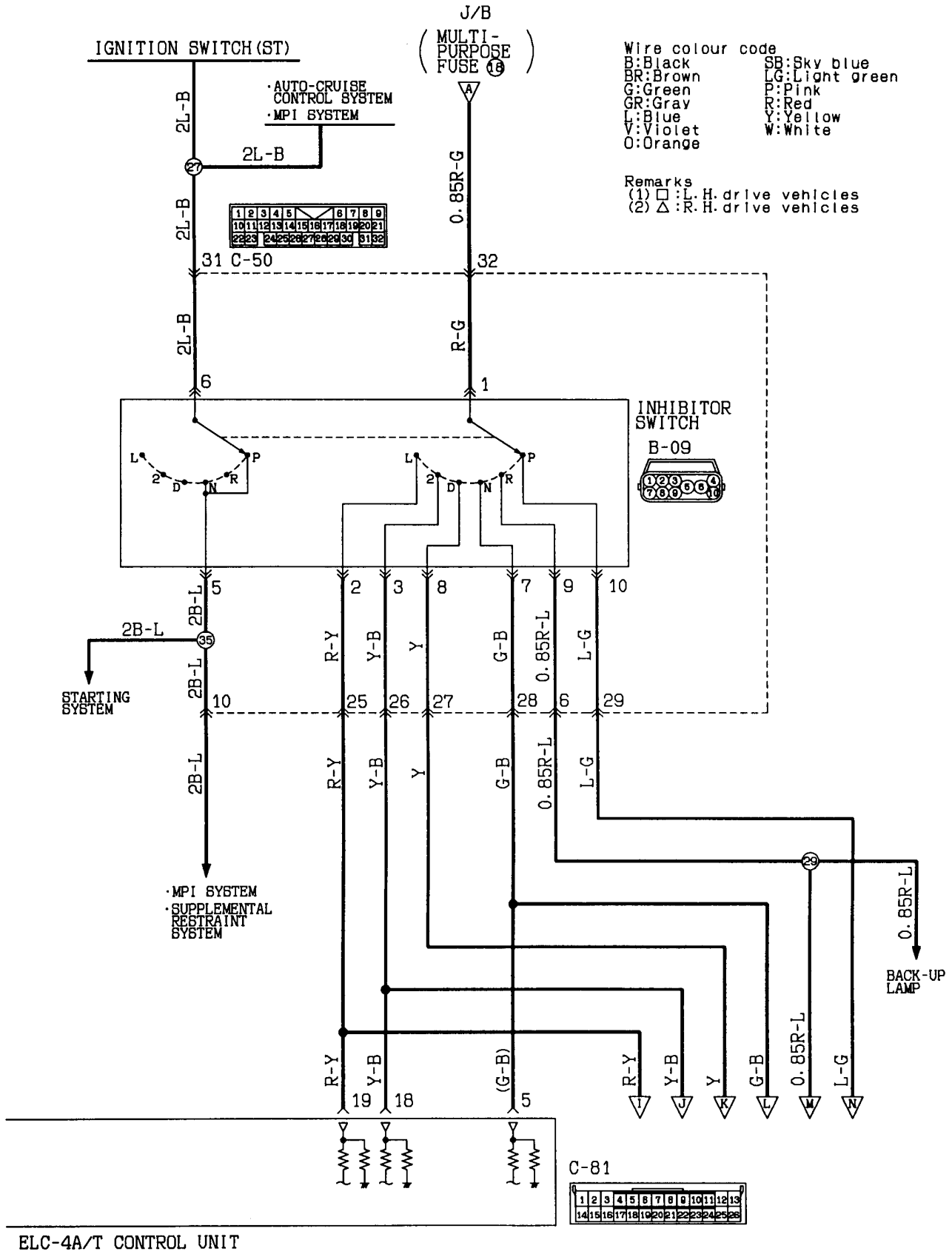
ELC 4-SPEED AUTOMATIC TRANSMISSION (6G74 engine) (CONTINUED)



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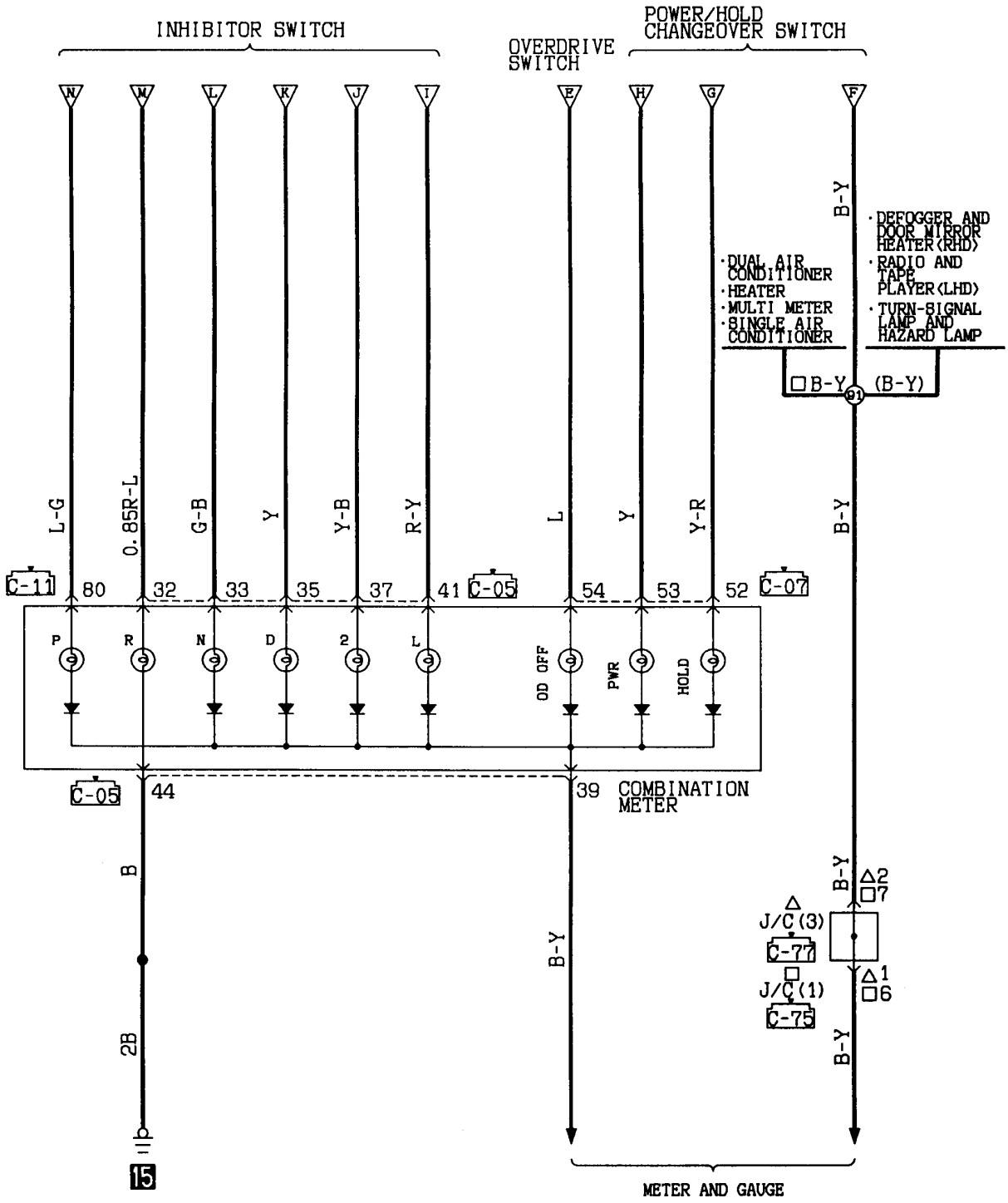
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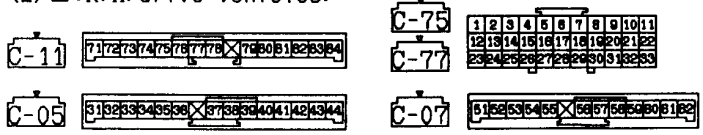
ELC 4-SPEED AUTOMATIC TRANSMISSION <6G74 engine> (CONTINUED)



Wire colour code

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

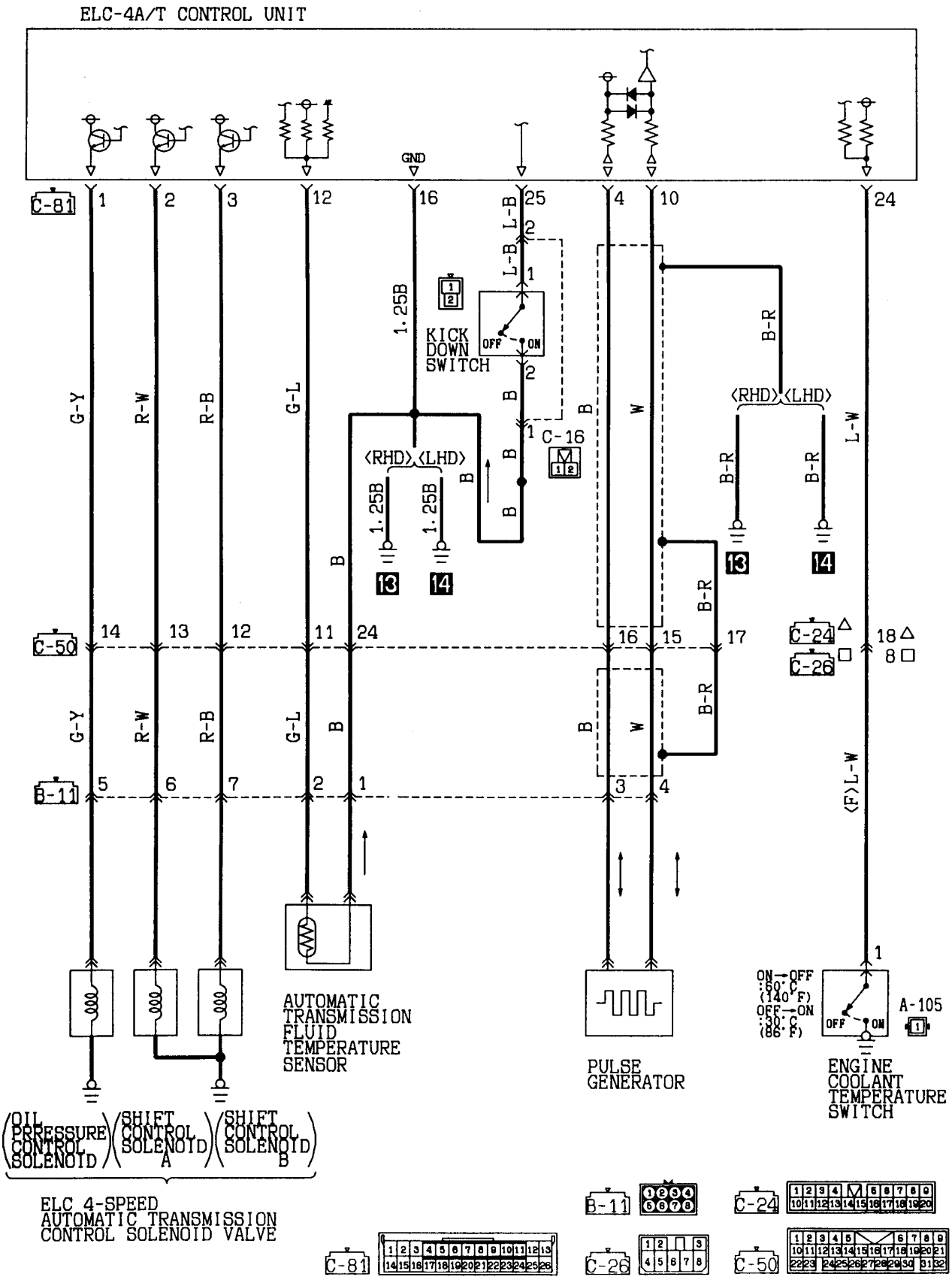
Remarks
(1) □:L.H. drive vehicles.
(2) △:R.H. drive vehicles.



KX3S-AC-00705B-EC

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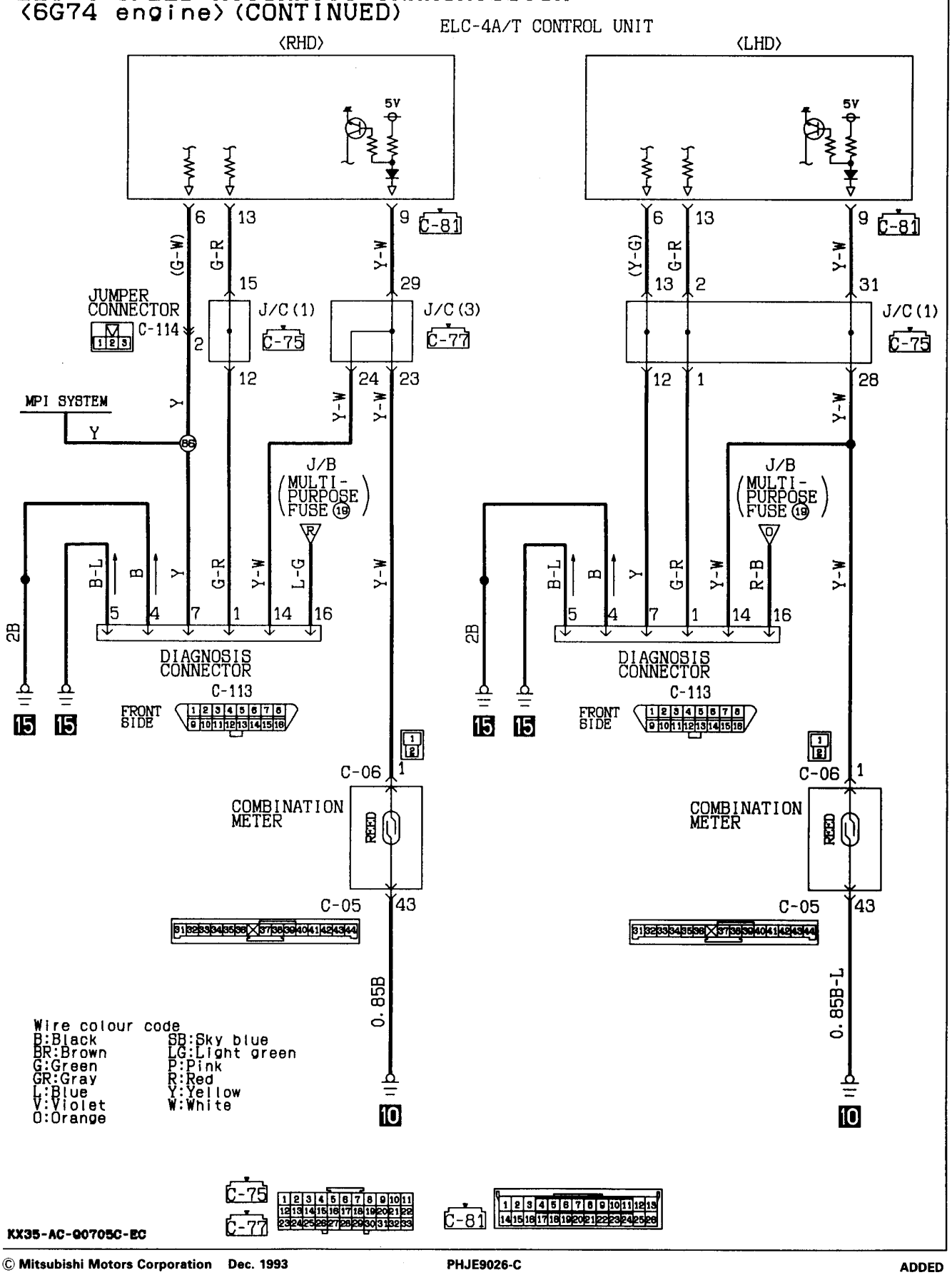
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ELC 4-SPEED AUTOMATIC TRANSMISSION (6G74 engine) (CONTINUED)



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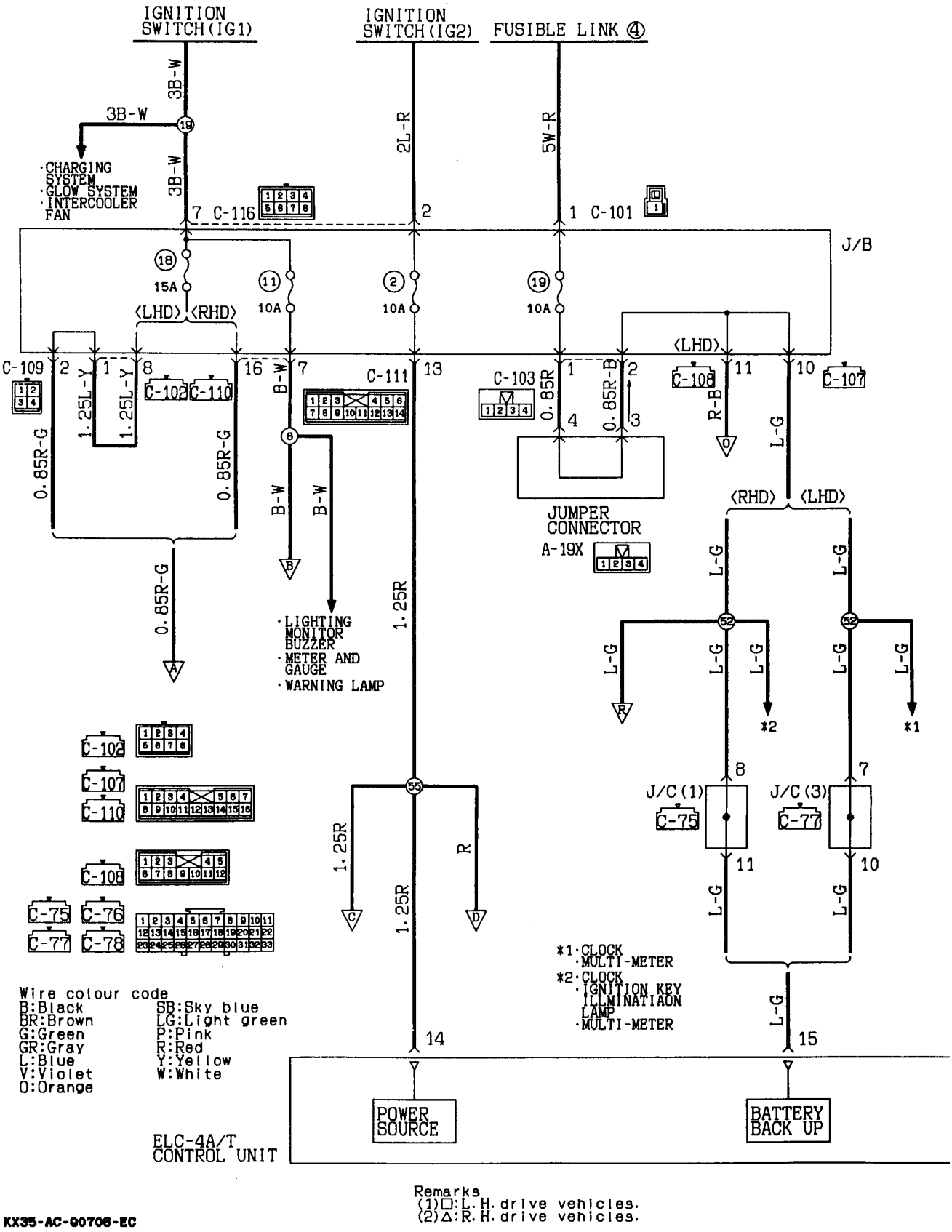
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ELC 4-SPEED AUTOMATIC TRANSMISSION

4M40 engine

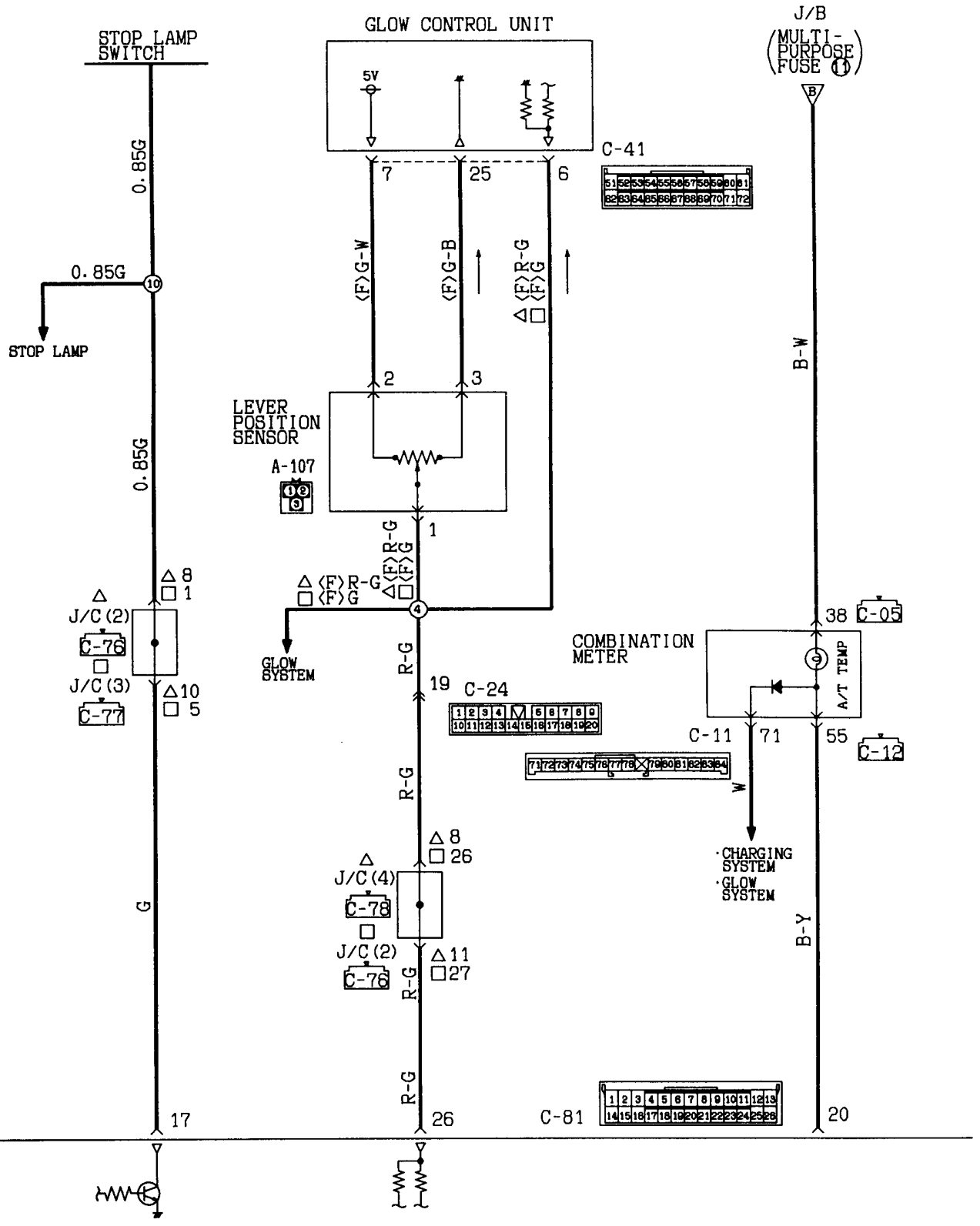


Remarks
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(2)△:R.H. drive vehicles.

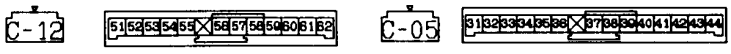
KX35-AC-00706-EC

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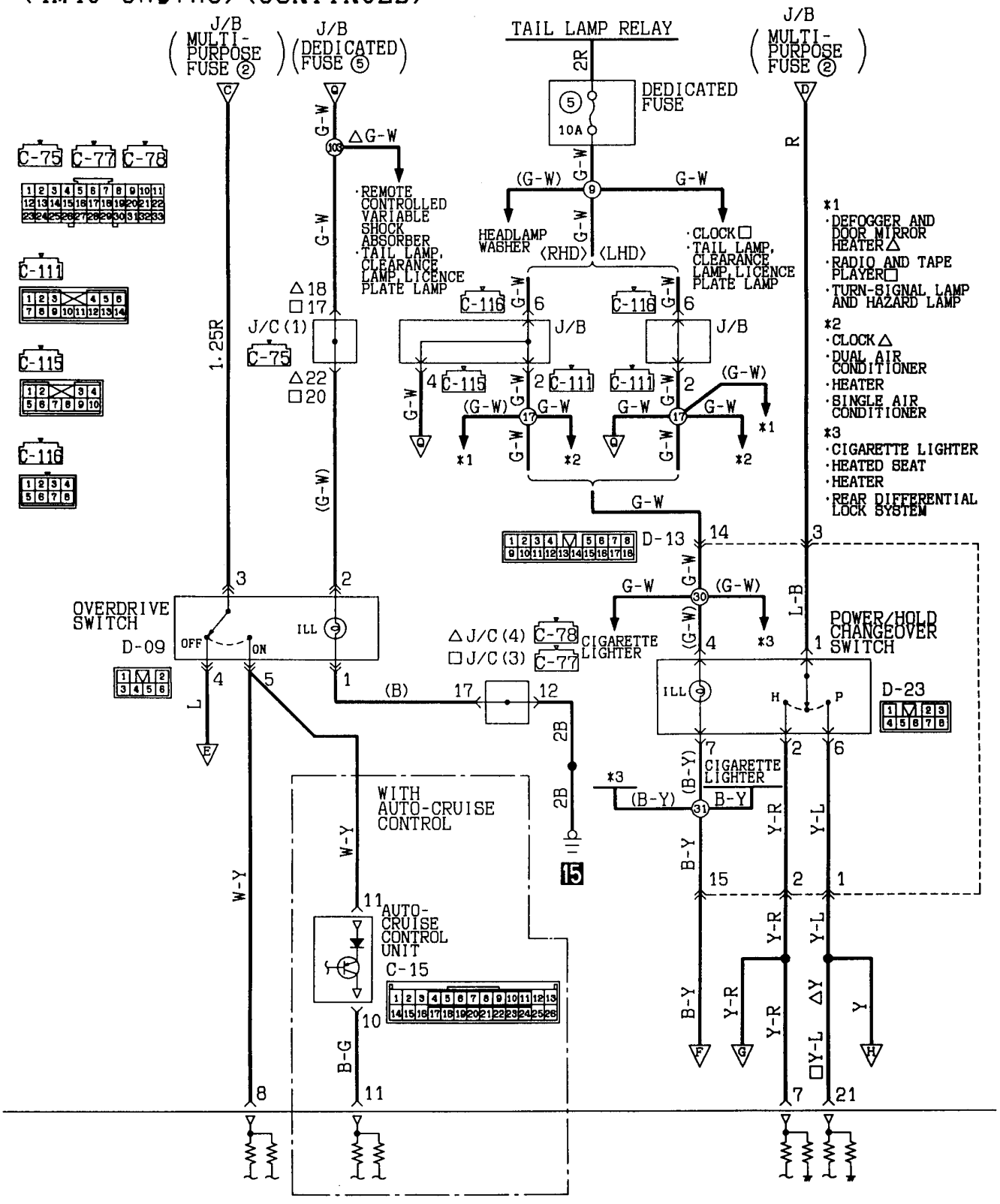
ELC-4A/T CONTROL UNIT



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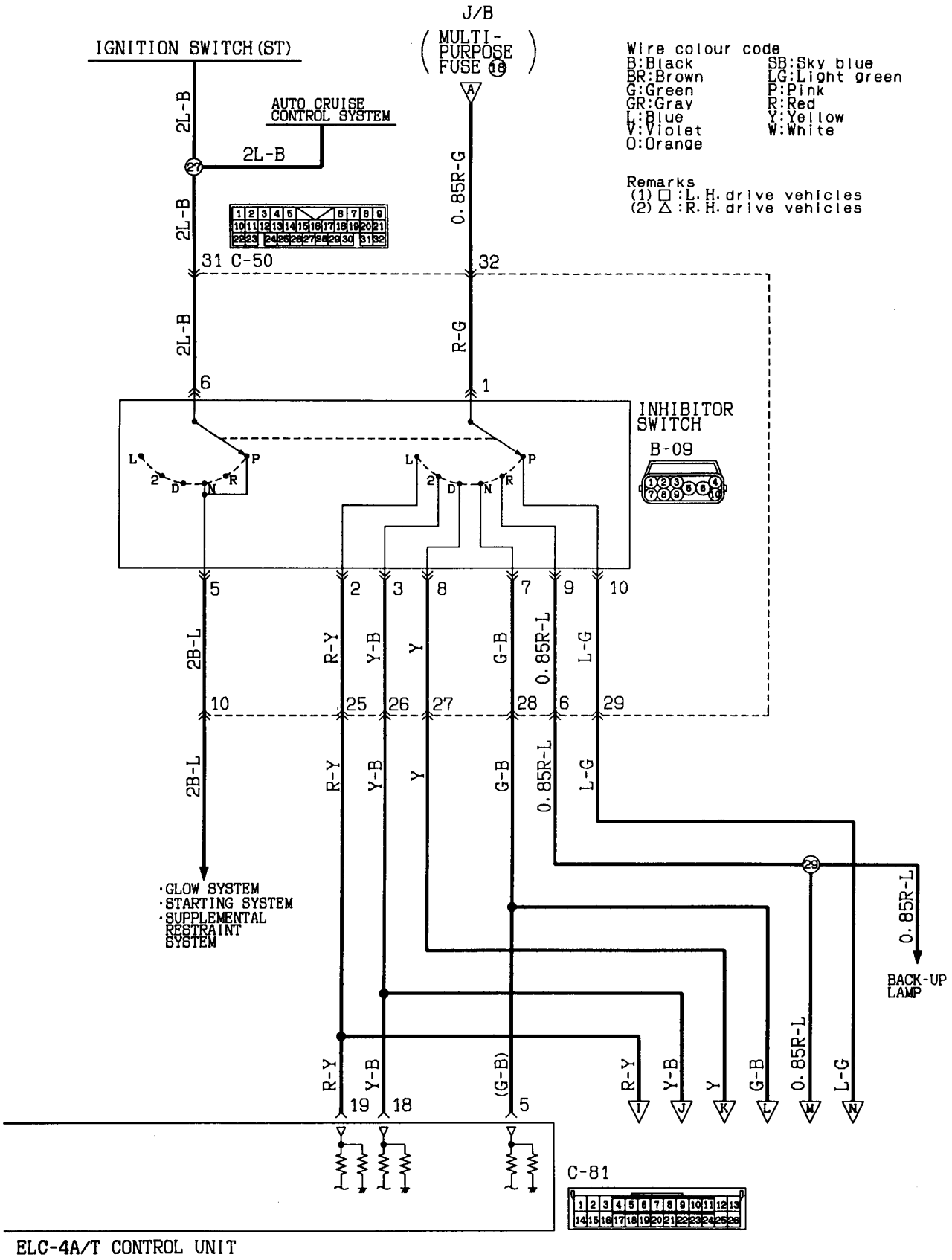
ELC 4-SPEED AUTOMATIC TRANSMISSION <4M40 engine> (CONTINUED)



KX35-AC-9070BA-EC

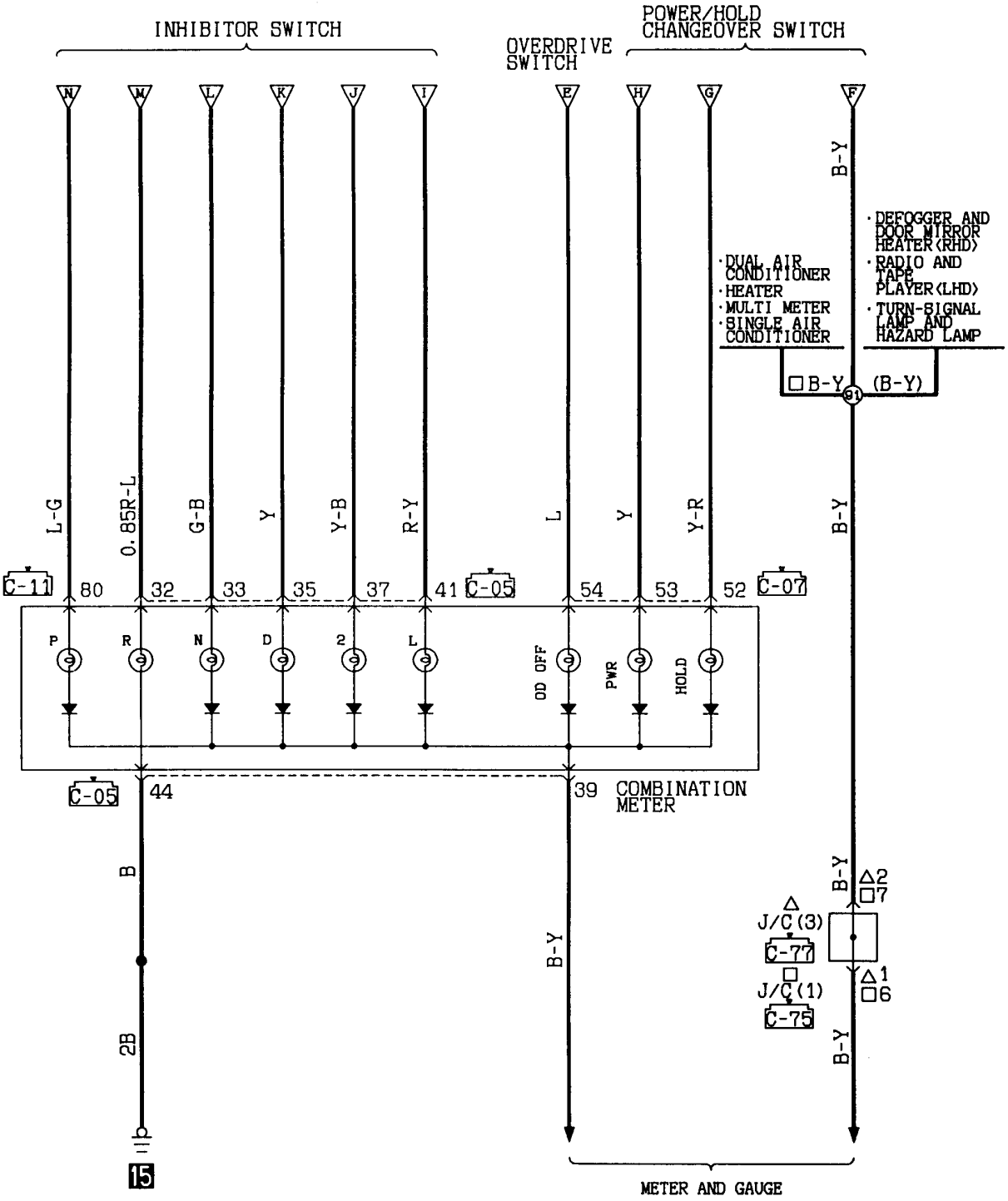
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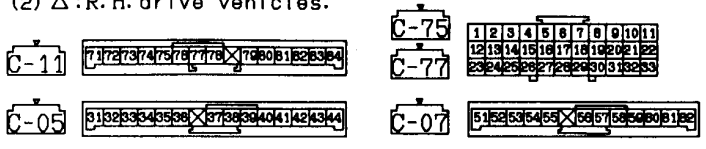
ELC 4-SPEED AUTOMATIC TRANSMISSION <4M40 engine> (CONTINUED)



Wire colour code

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

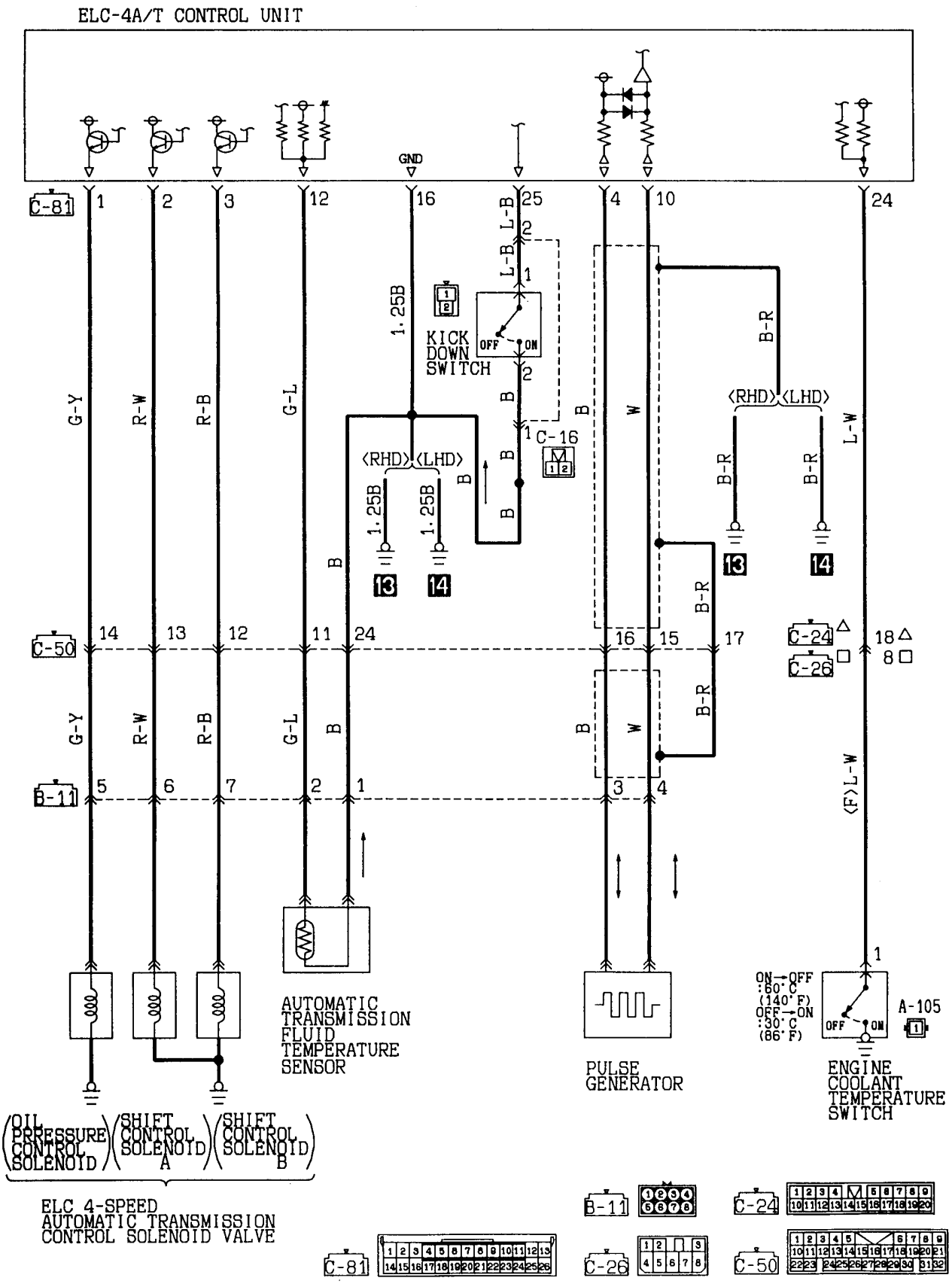
Remarks
(1) □ : L.H. drive vehicles.
(2) △ : R.H. drive vehicles.



KX35-AC-9070SB-EC

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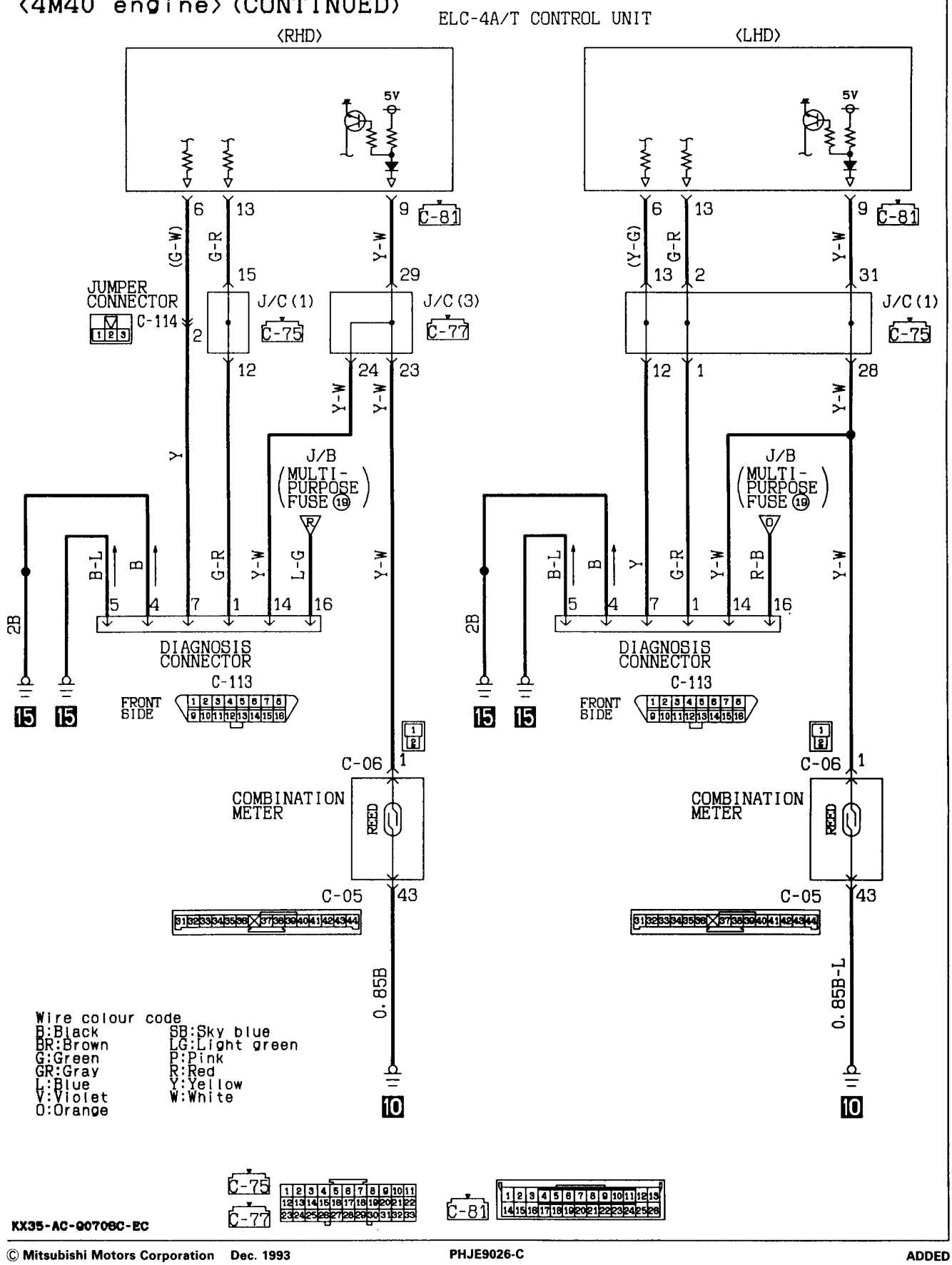
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ELC 4-SPEED AUTOMATIC TRANSMISSION <4M40 engine> (CONTINUED)



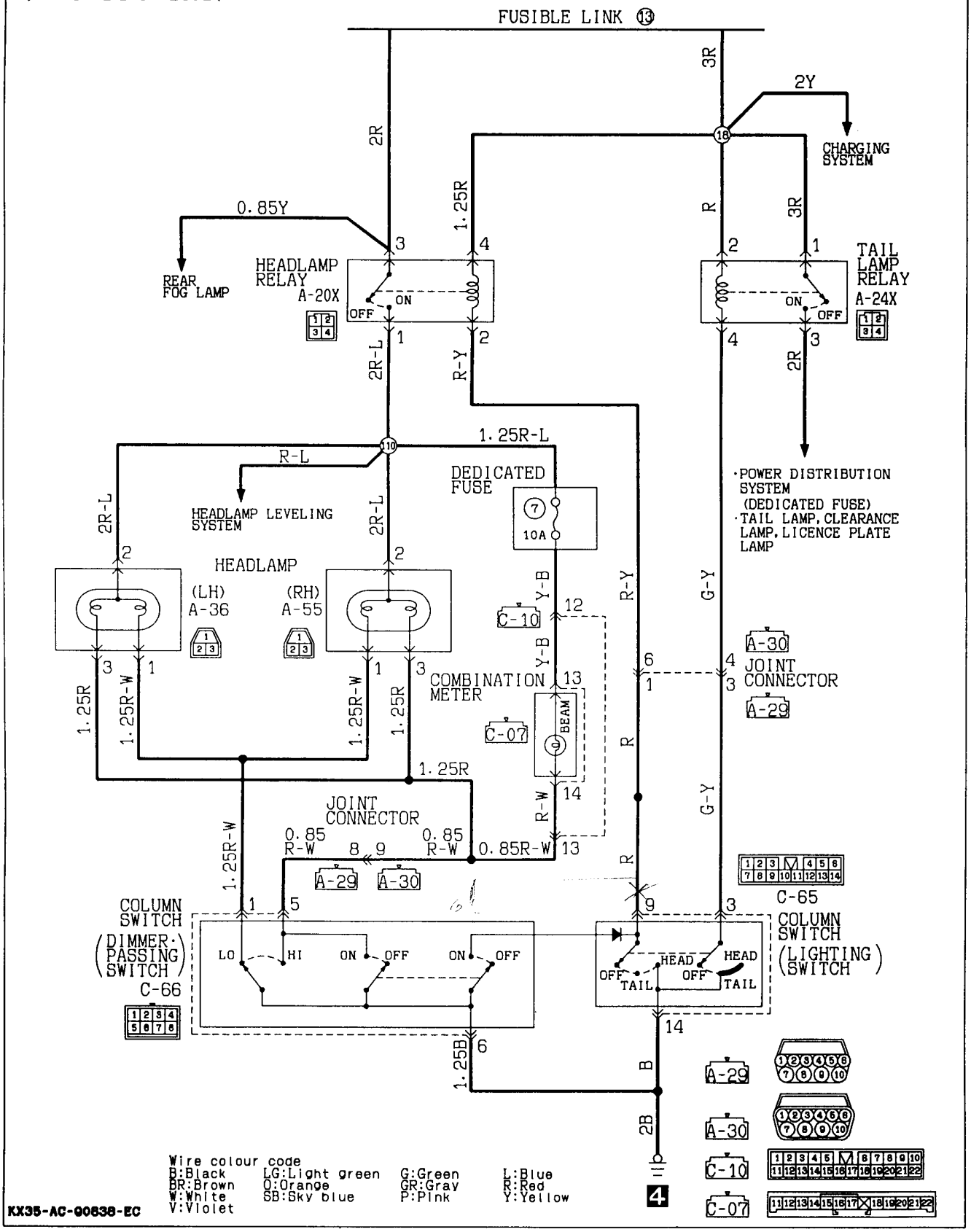
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HEADLAMP

L.H.drive vehicles without daytime running lamp
(without SRS)

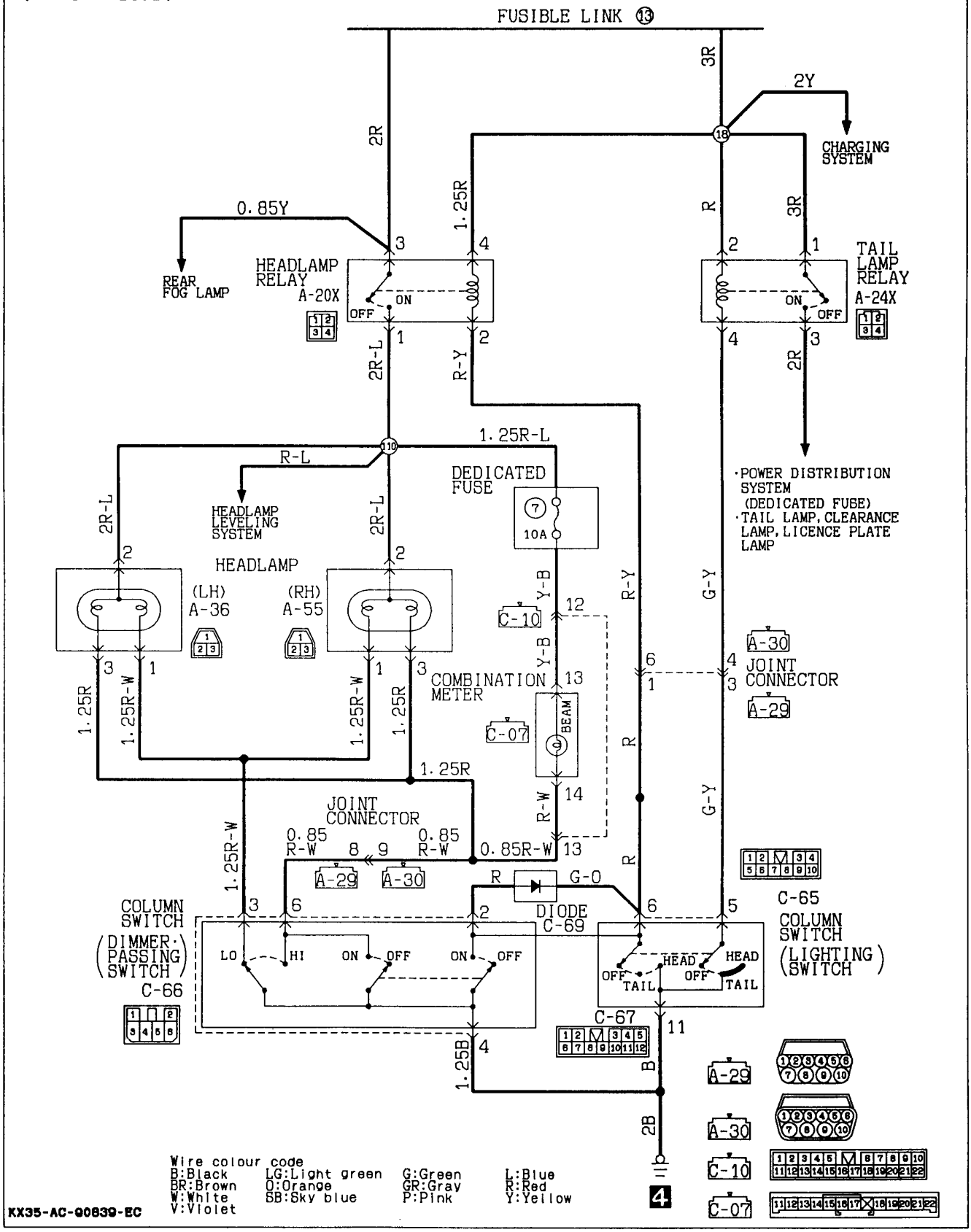


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HEADLAMP

L.H. drive vehicles without daytime running lamp
<with SRS>



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HEADLAMP 〈L.H.drive vehicles without daytime running lamp〉 (See P. 4A-101, 102.)

OPERATION

Headlamp Relay ON Conditions

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
—	"HEAD"	—	ON
—	—	ON	ON

〈Low-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, then the headlamps light up in low beam.

〈Upper-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the hedlamps light up in upper beam.

〈Upper-beam indicator lamp〉

- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

〈Passing operation〉

- When the dimmer/passing switch is set to the "ON" position, the headlamp relay is switched ON and the upper beam of the headlamps illuminates.

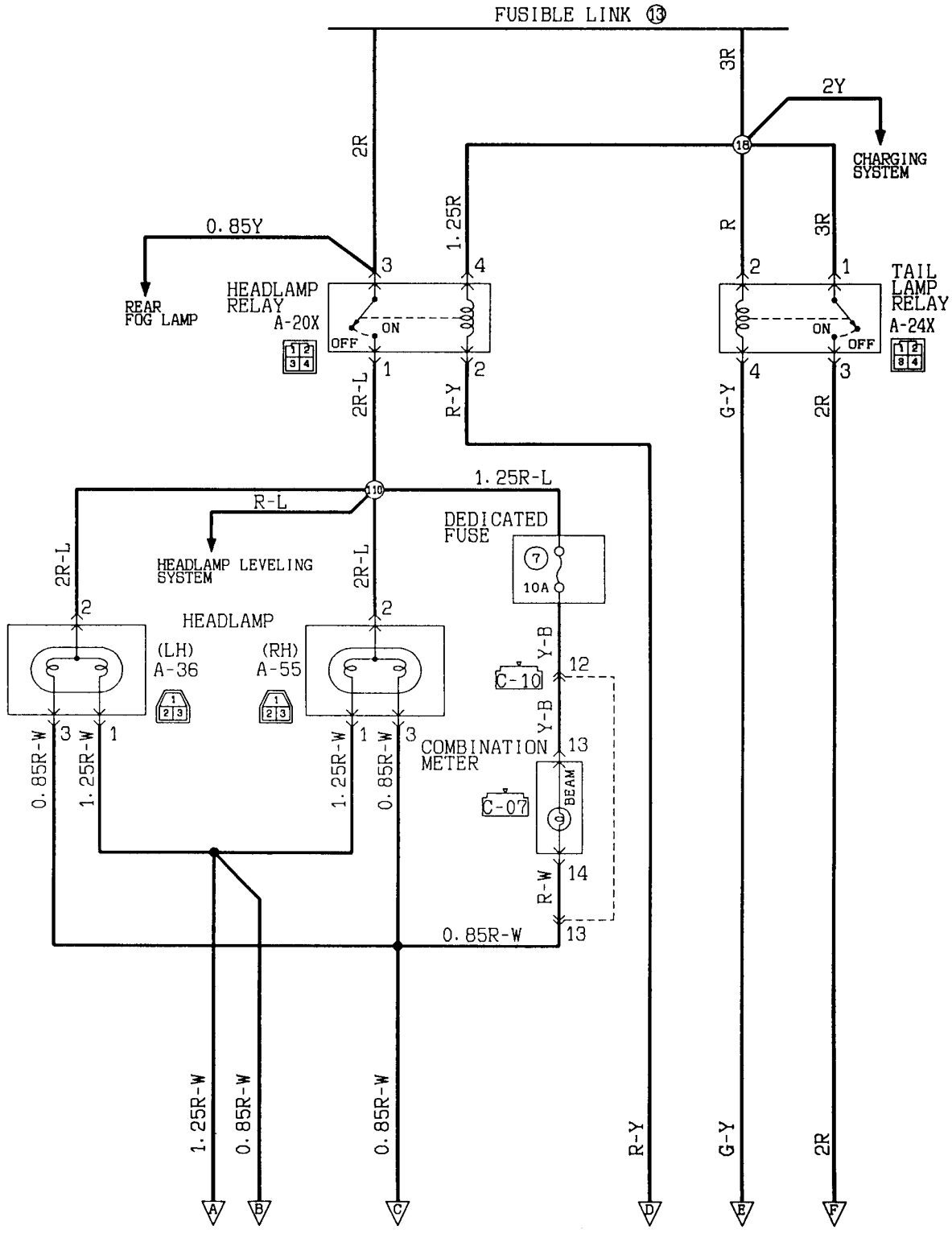
TROUBLESHOOTING HINTS

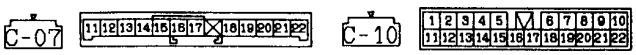
1. Headlamps don't come on.
   1) But the tail lamps do illuminate.
      - Check the headlamp relay.
      - Check the lighting switch.
   2) The tail lamps also don't illuminate.
      - Check the fusible link No. ⑬.
2. The low beam at both sides doesn't illuminate.
   - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
   1) The passing signal functions OK.
      - Check the dimmer switch HI contacts.
   2) The passing signal doesn't function.
      - Check the dimmer switch.
4. One headlamp doesn't illuminate.
   - Check the bulb.
5. Can't switch from low to upper beam or vice-versa.
   - Check the dimmer switch.
6. Upper-beam indicator lamp does not come on.
   1) Headlamp upper beams are operational.
      - Check dedicated fuse No. ⑦.
      - Check the indicator lamp bulb.

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HEADLAMP

L.H.drive vehicles with daytime running lamp <without SRS>

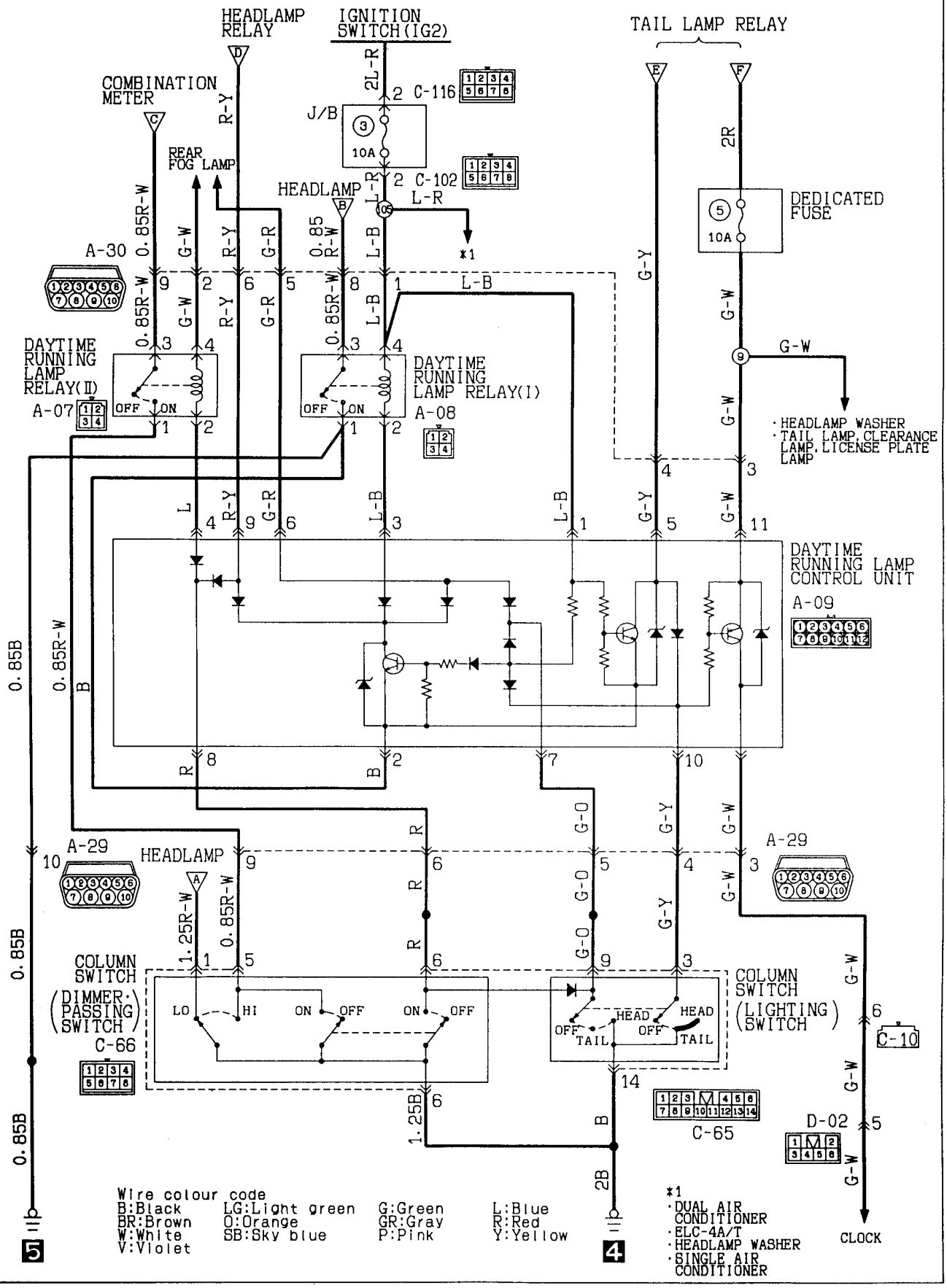




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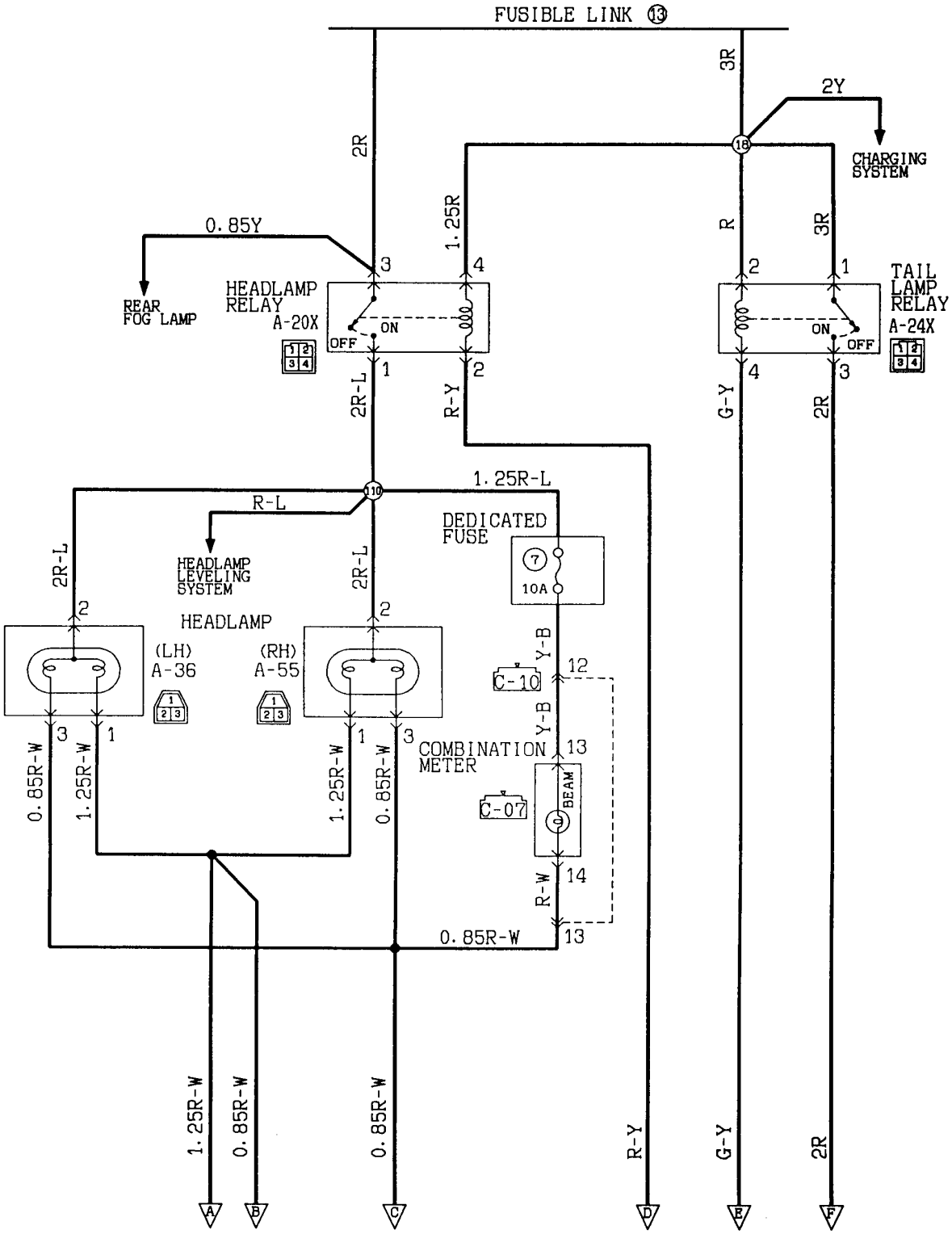


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HEADLAMP

L.H. drive vehicles with daytime running lamp <with SRS>

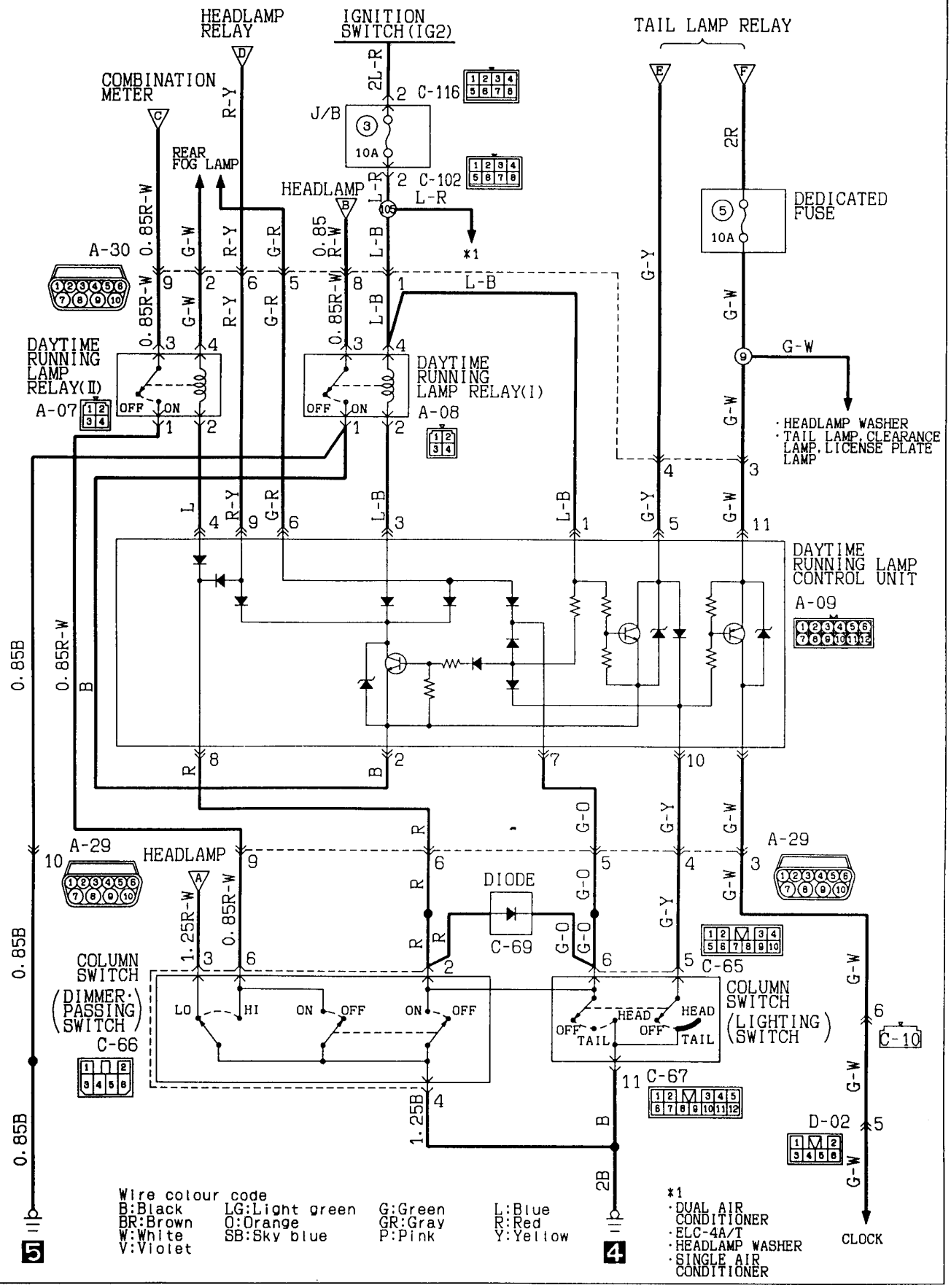


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C-07 C-10

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HEADLAMP 〈L.H.drive vehicles with daytime running lamp〉 (See P. 4A-104, 106.)

OPERATION

Headlamp Relay ON Conditions

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ON"	—	—	ON
—	"HEAD"	—	ON
—	—	ON	ON

〈Daytime running lamp operation〉

- Turning the ignition switch to the ON position causes the headlamp relay, daytime running lamp relay (Ⅰ), and tail lamp relay to be energized, which causes the headlamps, tail lamps, etc. to come on.

〈Low-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay and daytime running lamp relay (Ⅱ) to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, the headlamps light up in low beam.

〈Upper-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay and daytime running lamp relay (Ⅱ) to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

〈Upper-beam indicator lamp〉

- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

TROUBLESHOOTING HINTS

1. Headlamps don't come on.
   1) But the tail lamps do illuminate.
      - Check the headlamp relay.
      - Check the lighting switch.
   2) The tail lamps also don't illuminate.
      - Check the fusible link No. ⑬.
2. The low beam at both sides doesn't illuminate.
   - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
   1) The passing signal functions OK.
      - Check the dimmer switch HI contacts.
   2) The passing signal doesn't function.
      - Check the dimmer switch.
      - Check the daytime running lamp relay (Ⅱ).
      - Check the daytime running lamp control unit.
4. One headlamp doesn't illuminate.
   - Check the bulb.
5. Can't switch from low to upper beam or vice-versa.
   - Check the dimmer switch.
6. With the ignition switch at the "ON" position, the headlamps' low beam does not illuminate.
   - Check the daytime running lamp relay (Ⅰ).
   - Check the daytime running lamp control unit.
7. Upper-beam indicator lamp does not come on.
   1) Headlamp upper beams are operational.
      - Check dedicated fuse No. ⑦.
      - Check the indicator lamp bulb.

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HEADLAMP 〈R.H.drive vehicles〉 (See P. 4A-110, 112.)

OPERATION

Headlamp Relay ON Conditions

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ON"	"TAIL"	—	ON
—	"HEAD"	—	ON
—	—	ON	ON

〈Dim-dip lamp operation〉

- Placing the lighting switch in the TAIL position causes dim-dip lamp relay (Ⅰ) to be energized.
- This causes the headlamp relay to be also energized resulting in the headlamps being lit up dimly through the circuit by way of resistor.

〈Low-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay, dim-dip lamp relay (Ⅱ), and dim-dip lamp relay (Ⅲ) to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, the headlamps light up in low beam.

〈Upper-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay, dim-dip lamp relay (Ⅱ) and dim-dip lamp relay (Ⅲ) to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

〈Upper-beam indicator lamp〉

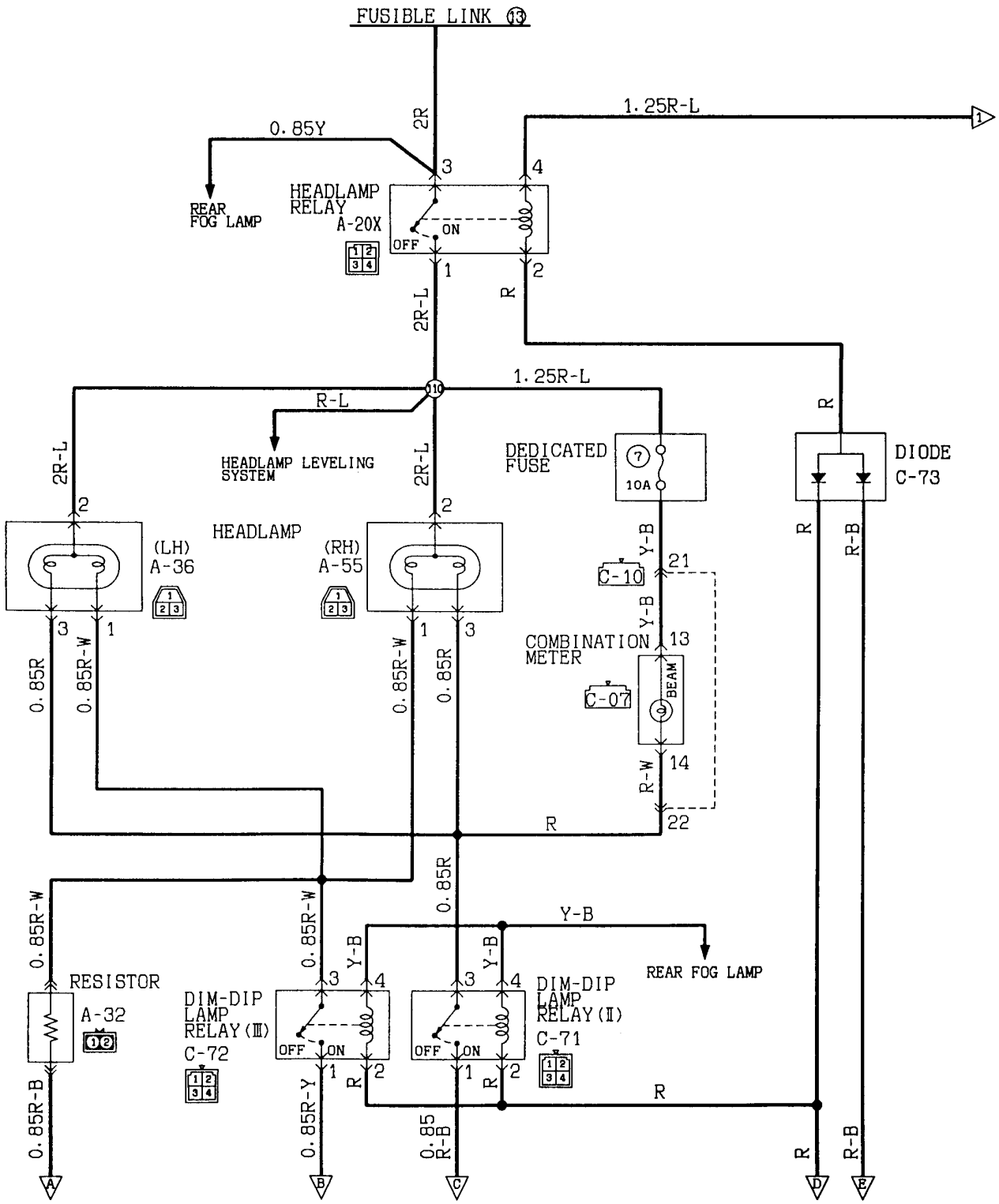
- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

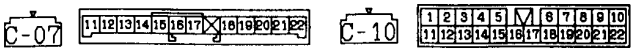
TROUBLESHOOTING HINTS

1. Headlamps don't come on.
   1) But the tail lamps do illuminate.
      - Check the headlamp relay.
      - Check the lighting switch.
      - Check the dim-dip lamp relays (Ⅱ) and (Ⅲ).
   2) The tail lamps also don't illuminate.
      - Check the fusible link No. ⑬.
2. The low beam at both sides doesn't illuminate.
   - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
   1) The passing signal functions OK.
      - Check the dimmer switch HI contacts.
   2) The passing signal doesn't function.
      - Check the dimmer switch.
4. One headlamp doesn't illuminate.
   - Check the bulb.
5. Can't switch from low to upper beam or vice-versa.
   - Check the dimmer switch.
6. The headlamps' low beam does not illuminate at the "TAIL" position of the lighting switch.
   1) The low beam does illuminate, however, when, with lighting switch at the "HEAD" position, the dimmer switch is set to "LO".
      - Check the dim-dip lamp relay (Ⅰ).
      - Check the resistor.
      - Check the diode.
7. Upper-beam indicator lamp does not come on.
   1) Headlamp upper beams are operational.
      - Check dedicated fuse No. ⑦.
      - Check the indicator lamp bulb.

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HEADLAMP
R.H. drive vehicles<without SRS>

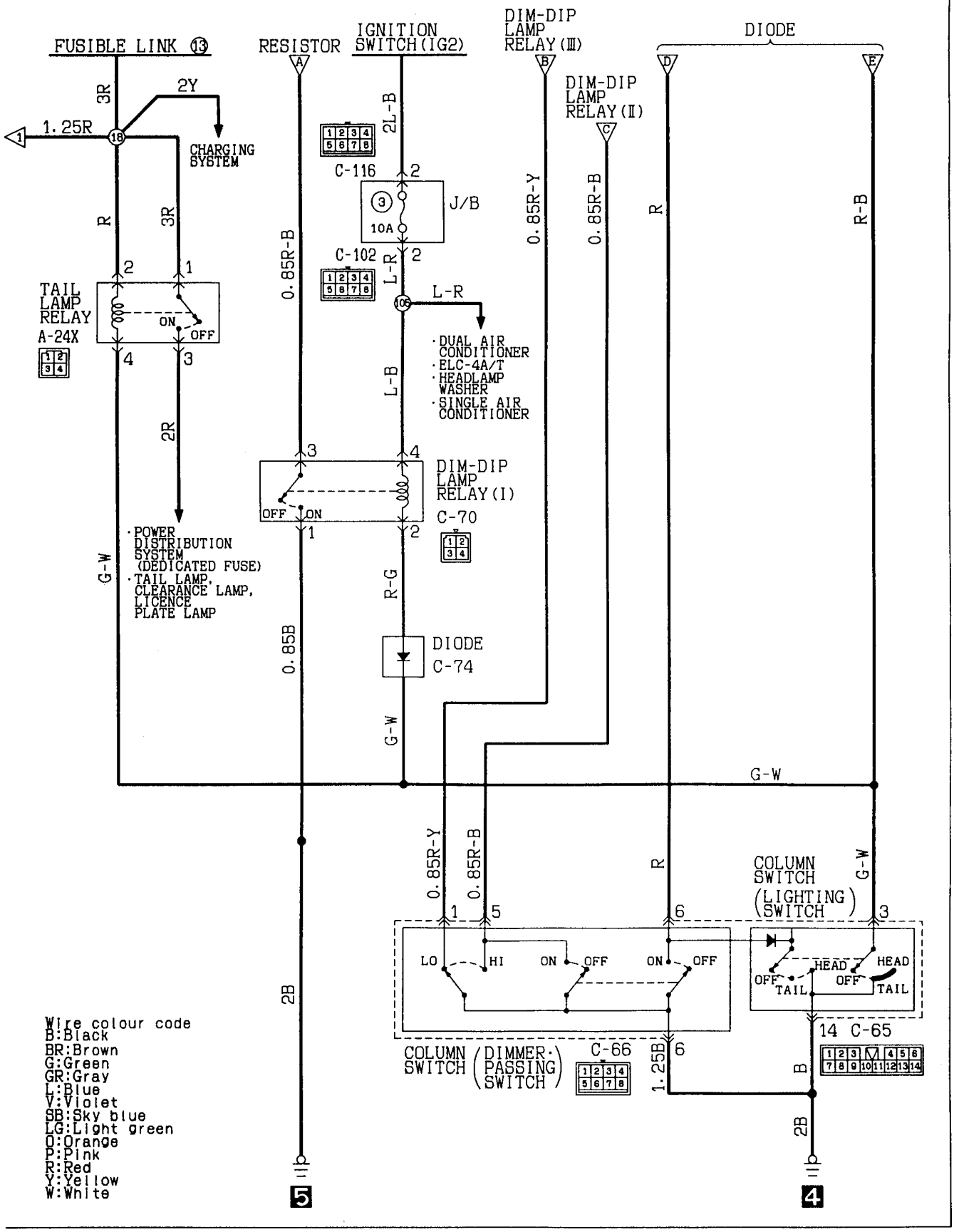




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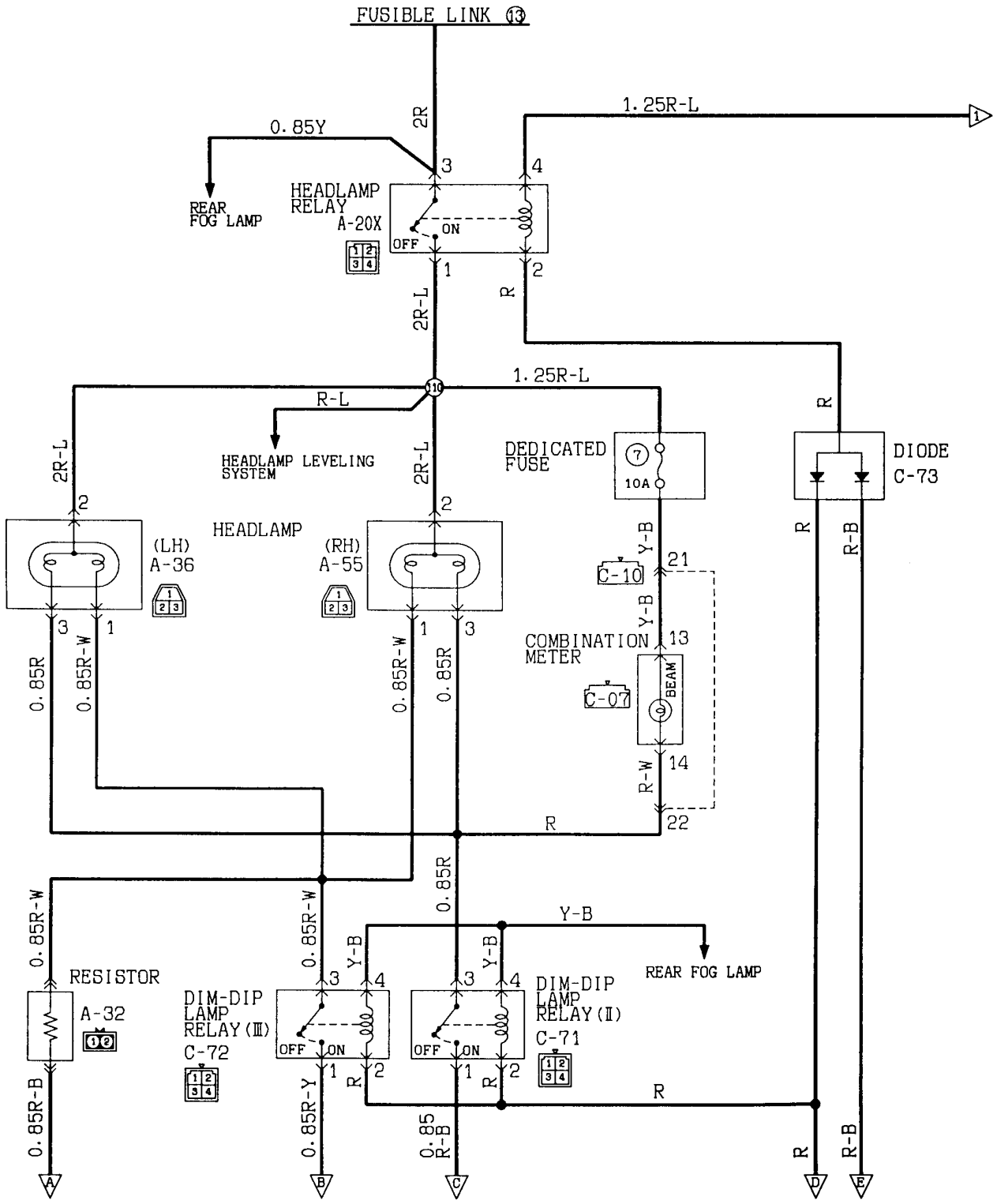
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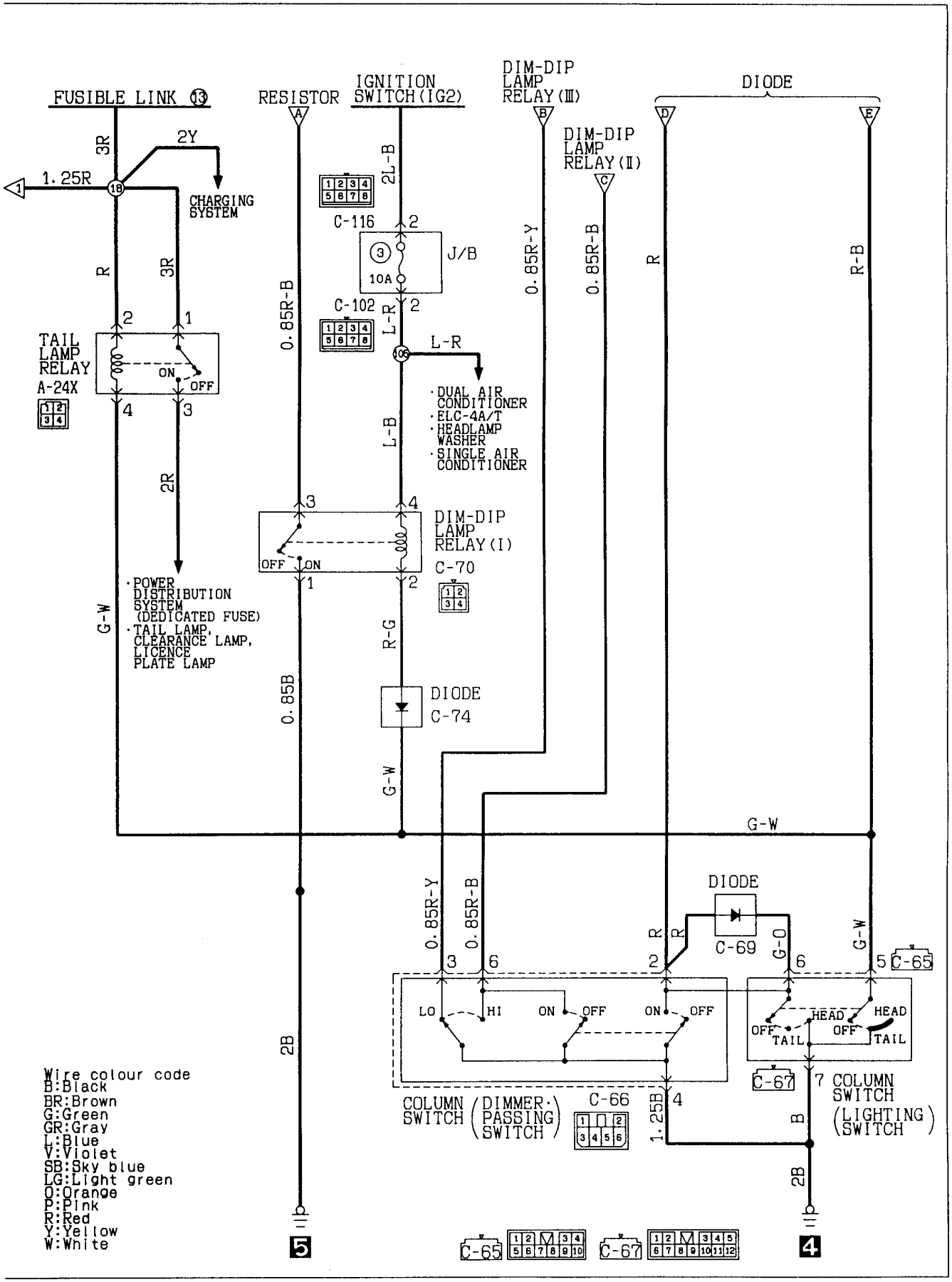
HEADLAMP
R.H.drive vehicles<with SRS>



KX35-AC-00848-EC

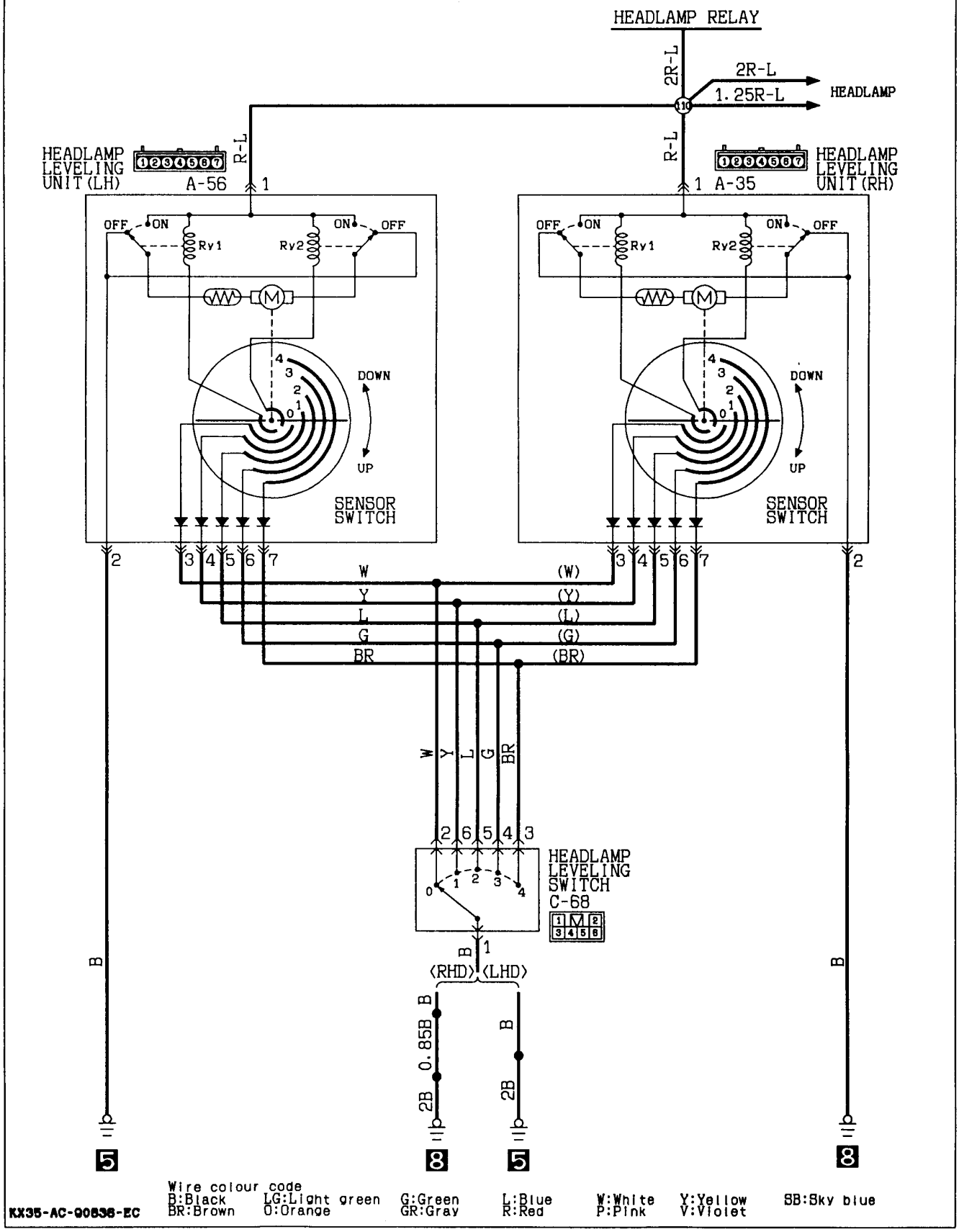
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HEADLAMP LEVELING SYSTEM



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HEADLAMP LEVELING SYSTEM (See P. 4A-114.)

OPERATION

Downtilt operation

- When the headlamps are switched ON, battery voltage is applied, from the headlamp relay to the headlamp leveling unit.
- When the headlamp leveling switch setting is changed from the "0" position to the "1" position, electricity flows from Relay 2 to print base 1 to the headlamp leveling switch and to earth; the Relay 2 contacts are thus switched ON and the motor is activated. As a result, the headlamp leveling unit's shaft is pushed outward, the reflector tilts downward, and the optical axis of the headlamps is tilted in the downward direction.
- At the same time, the contacts of the sensor switch, which are interlocked with the movement of the motor, also turn in the "DOWN" direction, and, at the position where there is no longer contact of print base 1 and the brush contact, Relay 2 is switched OFF and the motor stops.
- In the same way as described above, when the headlamp leveling switch setting is changed from the "1" position to the "2" position and further to the "3" position and the "4" position, the motor continues to rotate so that the headlamp leveling unit's shaft is pushed outward, tilting the reflector further downward; the optical axis of the headlamps is at the maximum downward tilt at the "4" position of the headlamp leveling switch.

Return operation

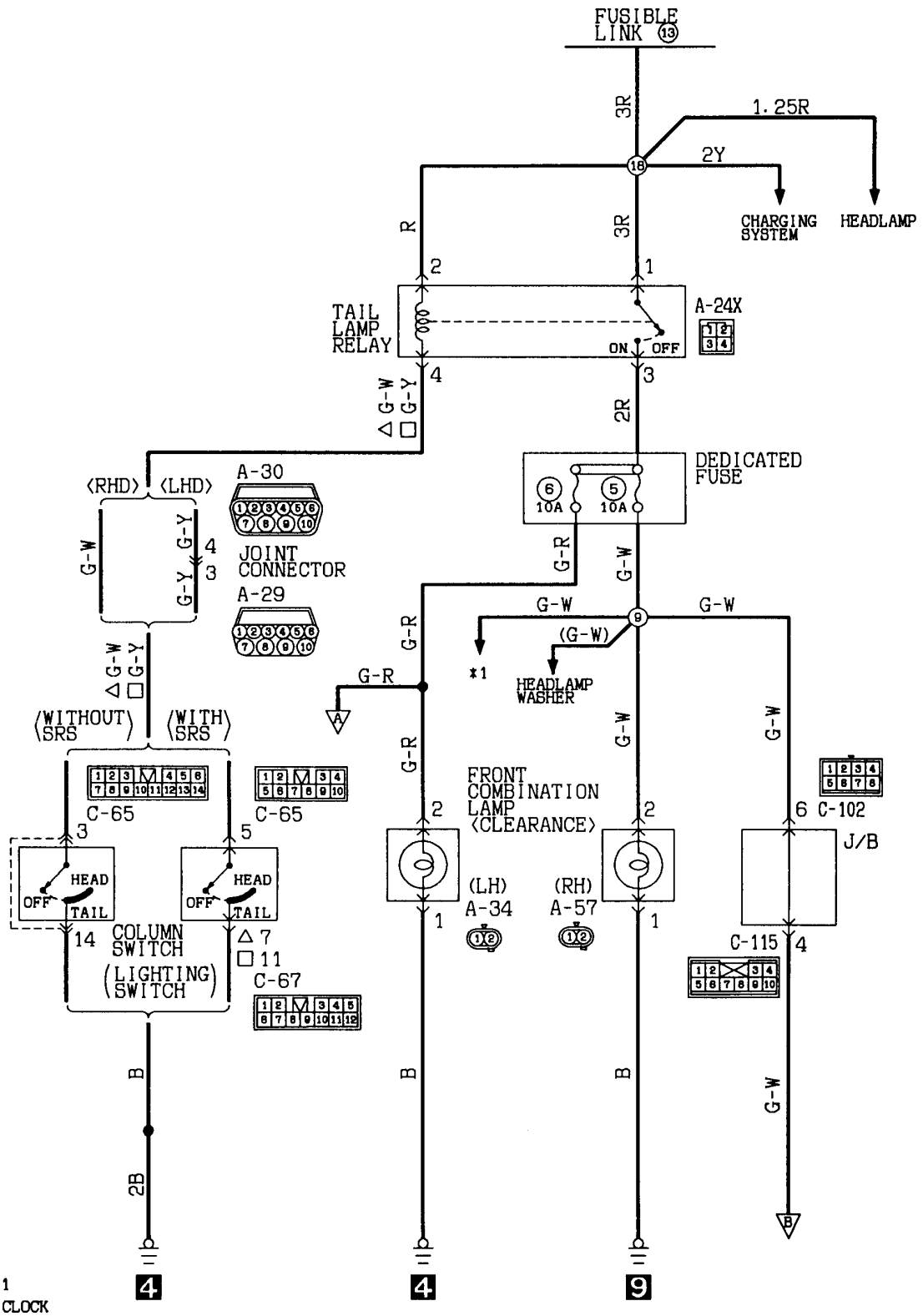
- When the setting of the headlamp leveling switch is changed from the "4" position to the "3" position, electricity flows from Relay 1 to print base 3 to the headlamp leveling switch and to earth; the Relay 1 contacts are thus switched ON, and the motor rotates in the direction opposite to that for downtilt.
  As a result, the headlamp leveling unit's shaft is drawn inward, the tilt of the reflector is reduced, and the optical axis of the headlamps is changed in the upward direction.
- At the same time, the contacts of the sensor switch turn in the "UP" direction, and, at the position where there is no longer contact of print base 3 and the brush contact, Relay 1 is switched OFF and the motor stops.
- When the setting of the headlamp leveling switch is further changed from the "3" position to the "2" position and to the "1" position, the motor continues to rotate, and the optical axis of the headlamps returns to the minimum tilt position at the "0" setting of the switch.
- In order to prevent overheat damage to the motor as a result of frequent operation of the headlamp leveling system, a thermistor is provided in the circuitry within the headlamp leveling unit.

TROUBLESHOOTING HINTS

1. No operation of the headlamp leveling system.
   - Check the headlamp leveling switch.
   - Check the headlamp leveling unit.
2. Either the left or right part of the headlamp leveling system does not operate.
   - Check the headlamp leveling unit for the side that does not operate.
3. Either the downtilt operation or the return operation does not function.
   - Check the headlamp leveling unit.

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TAIL LAMP, CLEARANCE LAMP, LICENCE PLATE LAMP



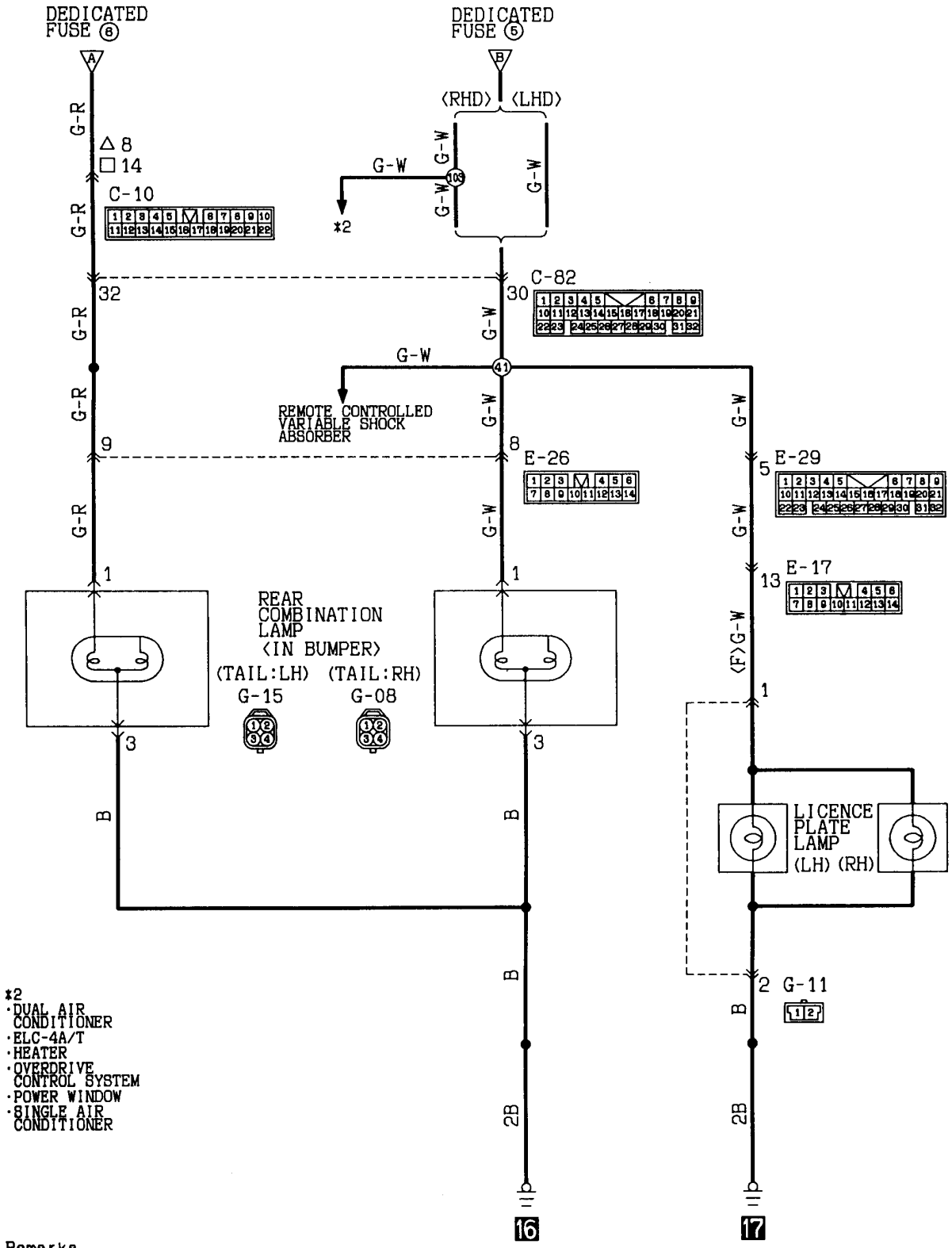
*1
- CLOCK
- TURN-SIGNAL LAMP AND HAZARD LAMP

Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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TAIL LAMP, CLEARANCE LAMP AND LICENCE PLATE LAMP (See P. 4A-116.)

OPERATION

- Placing the lighting switch in the TAIL or HEAD position causes the tail lamp relay to be energized.
- As a result, current flows by way of dedicated fuse No. ⑤ and No. ⑥ to each lamp, causing the lamp to come on.

TROUBLESHOOTING HINTS

1. No lamp come on.
   1) Headlamps do not come on, either.
      - Check fusible link No. ⑬.
   2) Headlamps do come on.
      - Check tail lamp relay.
      - Check dedicated fuse No. ⑤ and No. ⑥.

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REAR FOG LAMP (See P. 4A-120, 122, 124, 126.)

OPERATION

- Placing the lighting switch in the HEAD position causes the rear fog lamp relay to be energized.
- When the rear fog lamp switch is turned ON in this condition, the rear fog lamp comes on.

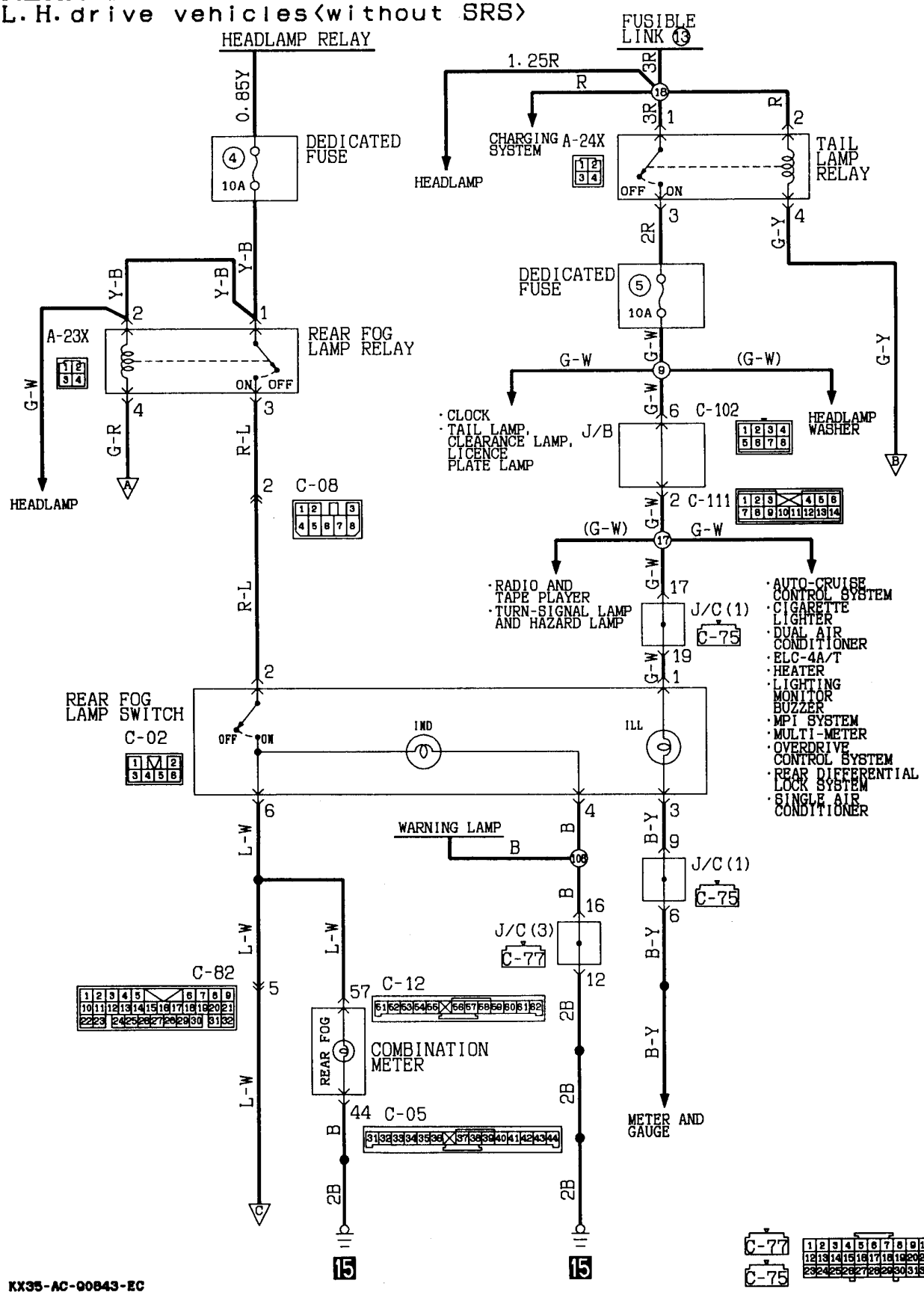
TROUBLESHOOTING HINTS

1. The rear fog lamp doesn't illuminate.
   1) Headlamps come on.
      - Check the rear fog lamp relay.
      - Check the rear fog lamp switch.
      - Check the dedicated fuse No. ④.
   2) Headlamps do not come on, either.
      - Check the headlamp relay.
      - Check the lighting switch.
      - Check the fusible link No. ⑬.
2. The rear fog lamp at the one side doesn't illuminate.
   - Check the bulb.

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REAR FOG LAMP

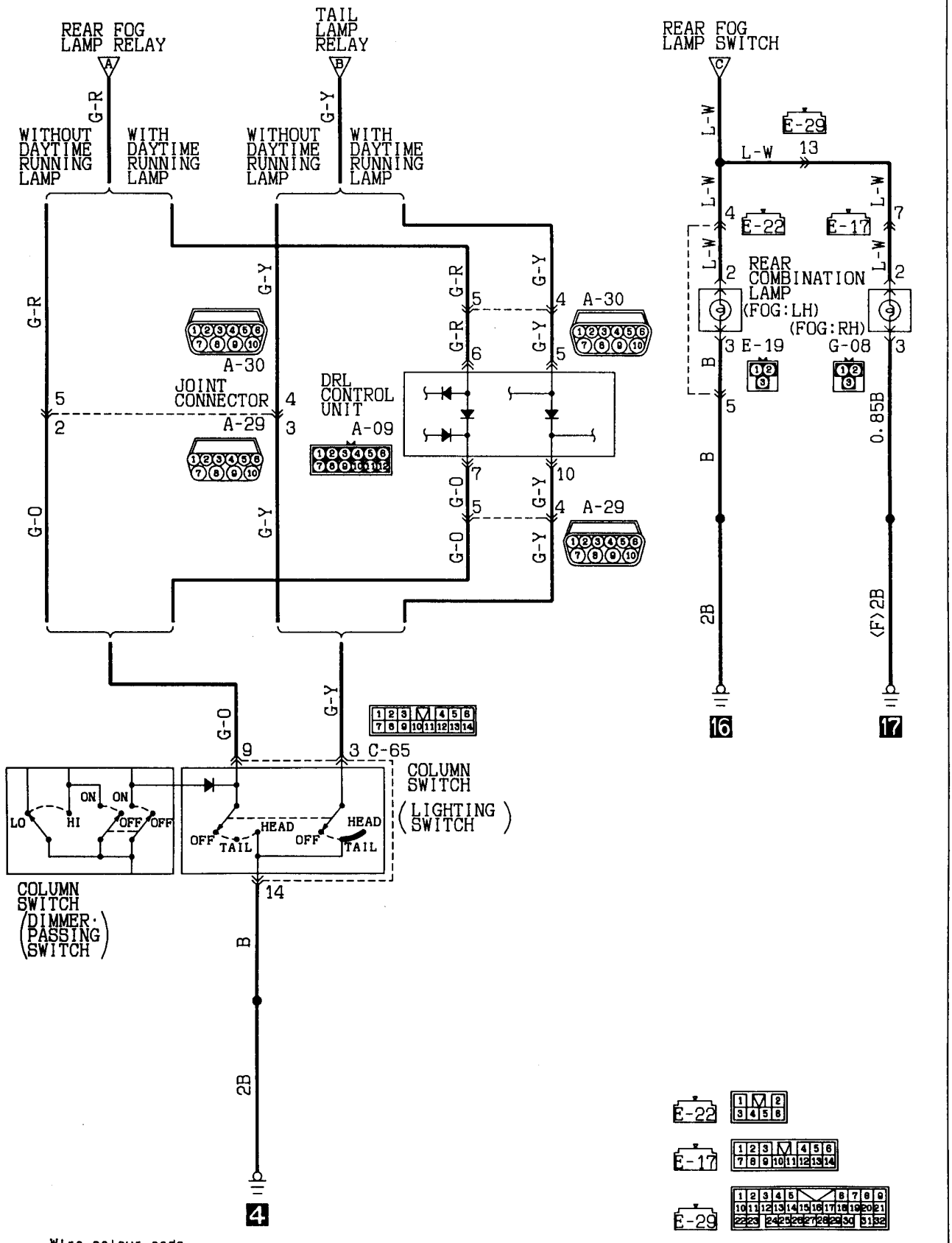
L.H. drive vehicles<without SRS>



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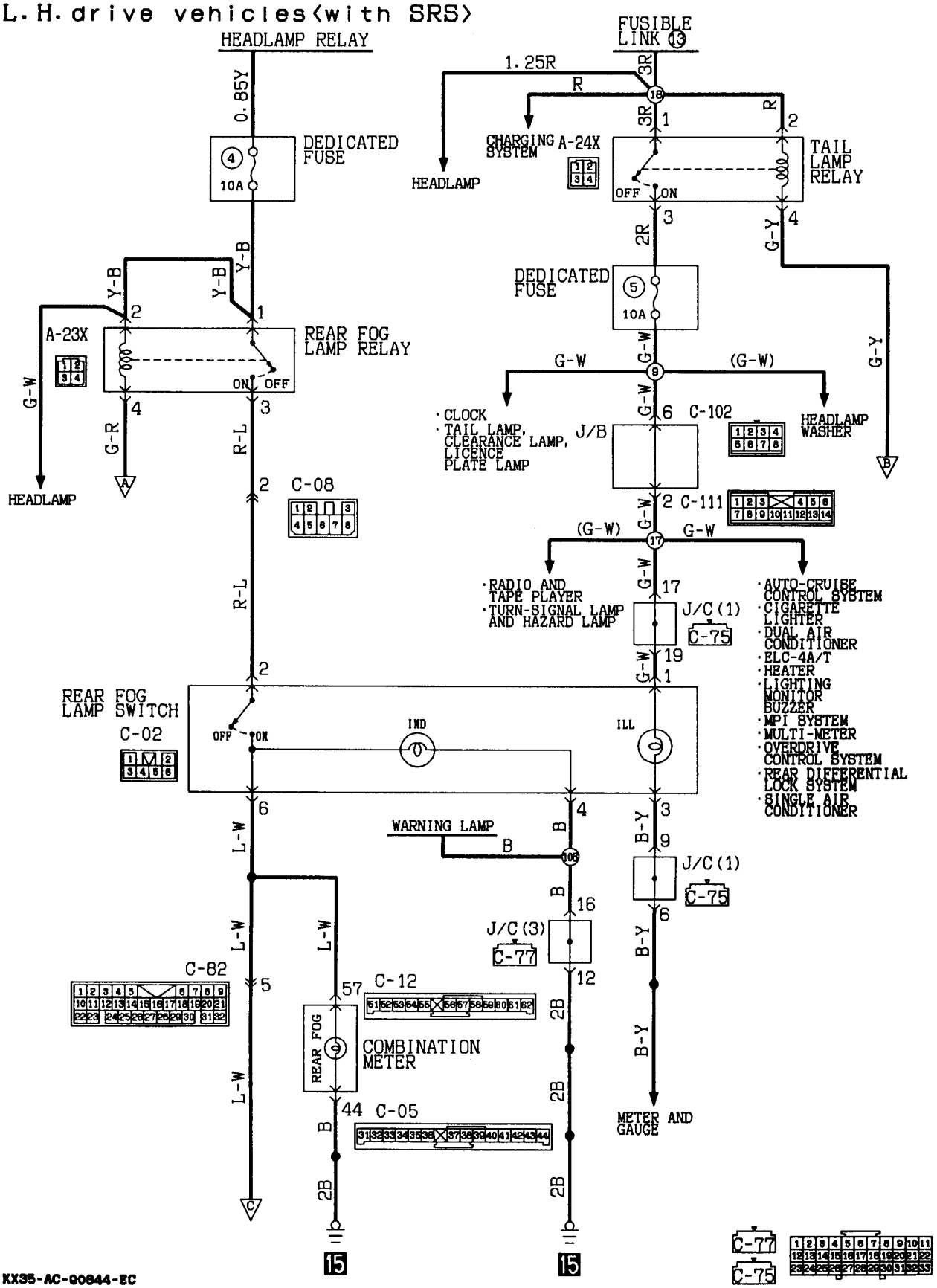
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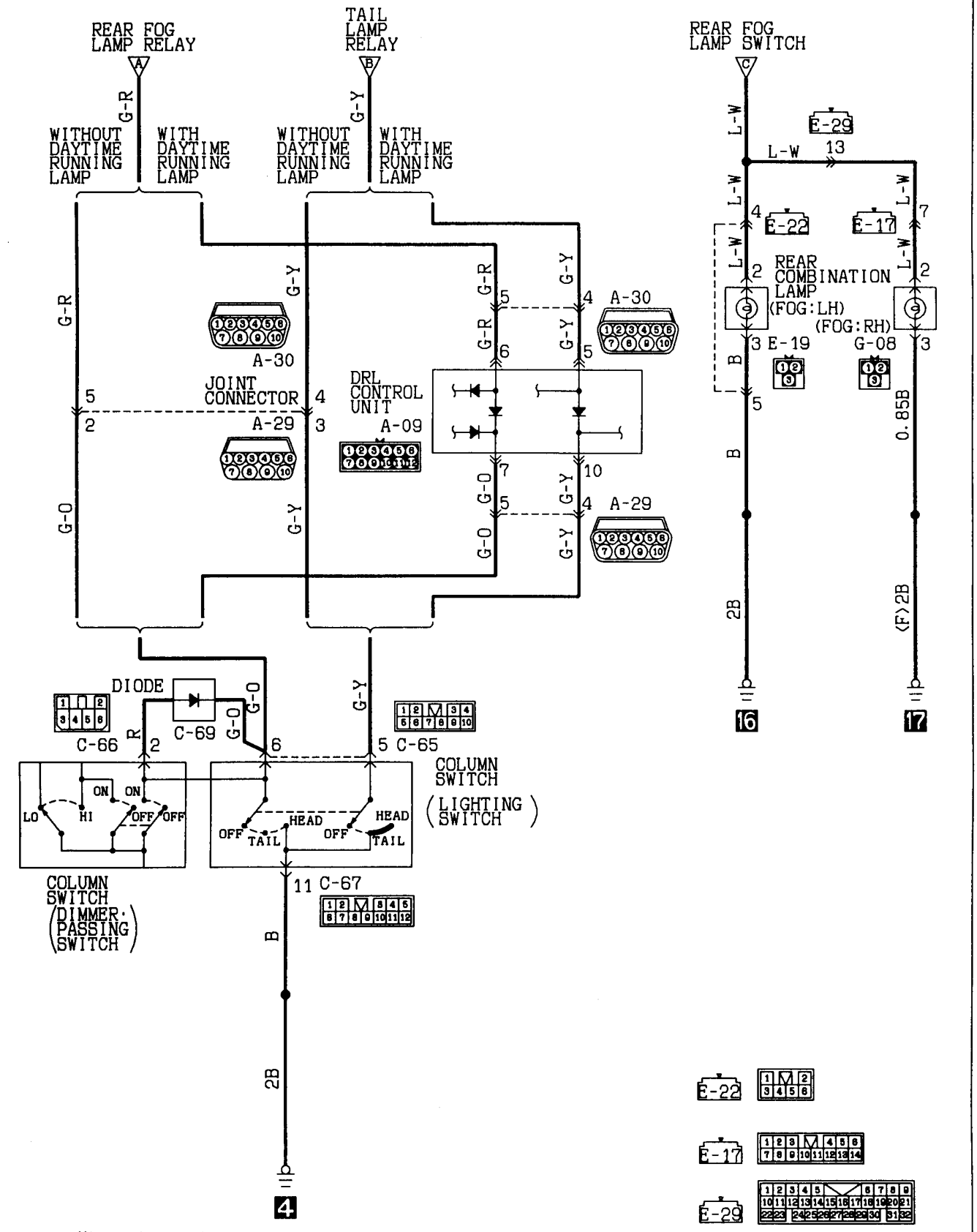
REAR FOG LAMP
L.H. drive vehicles<with SRS>



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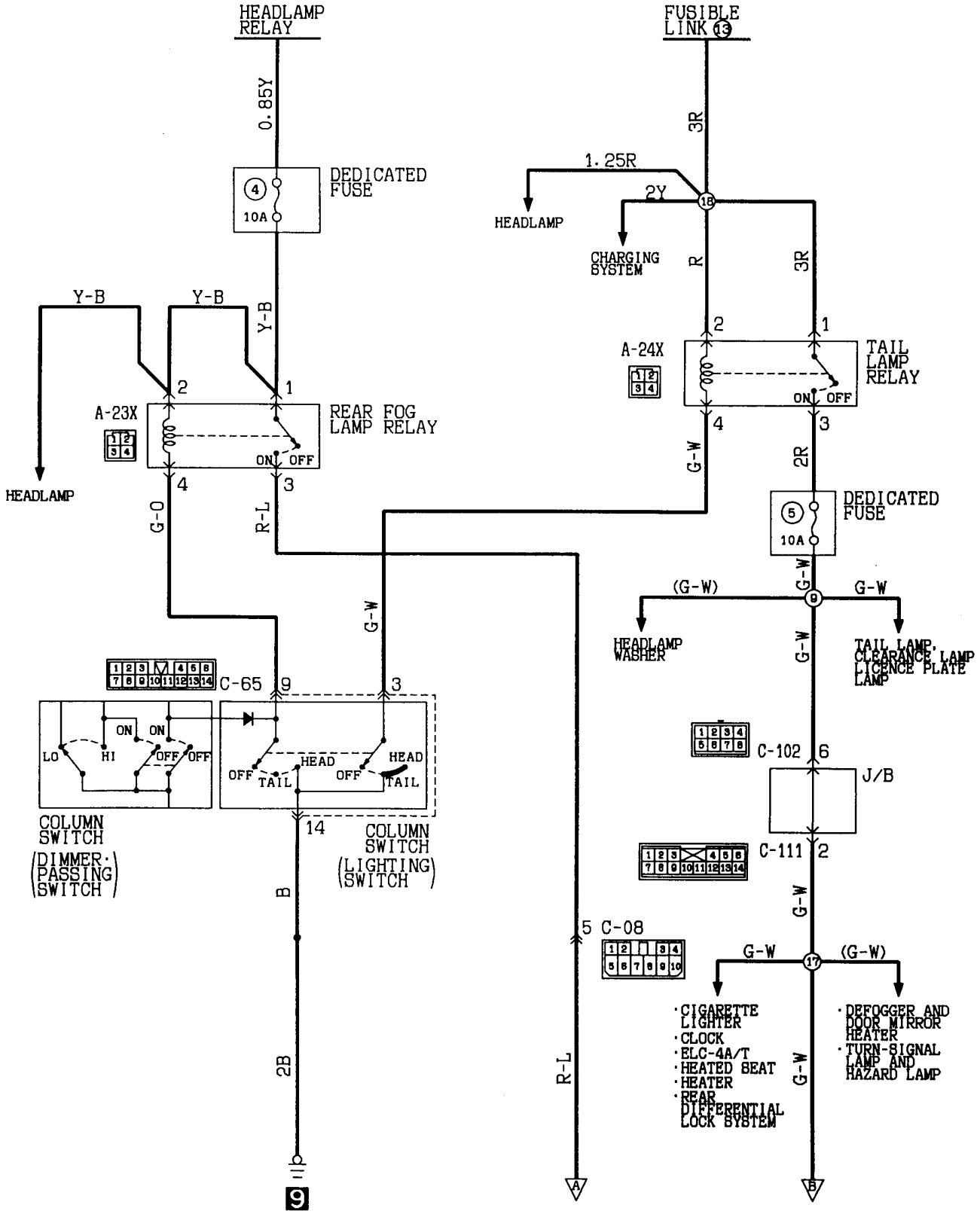
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REAR FOG LAMP
R.H. drive vehicles<Without SRS>

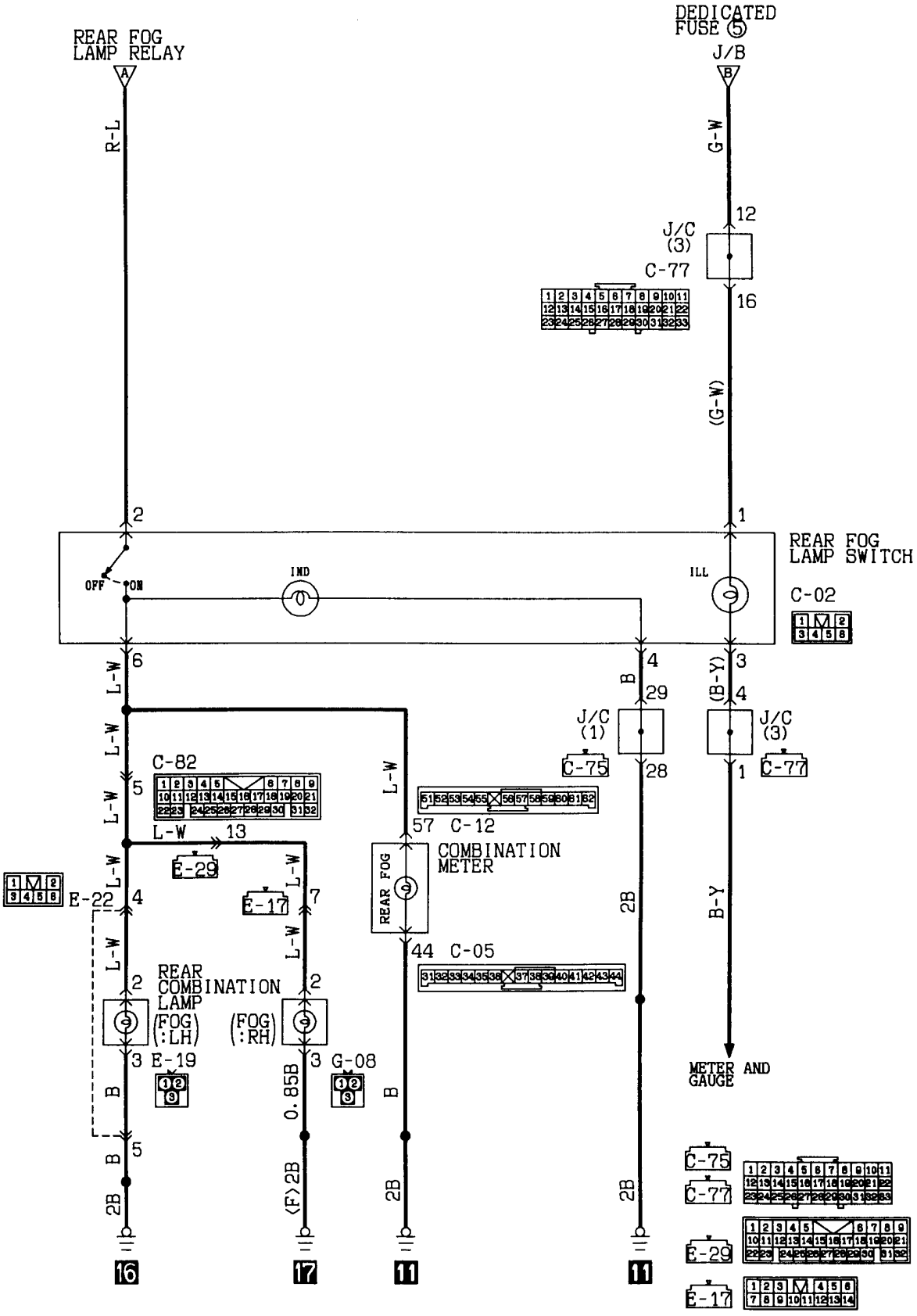


Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-00825-EC

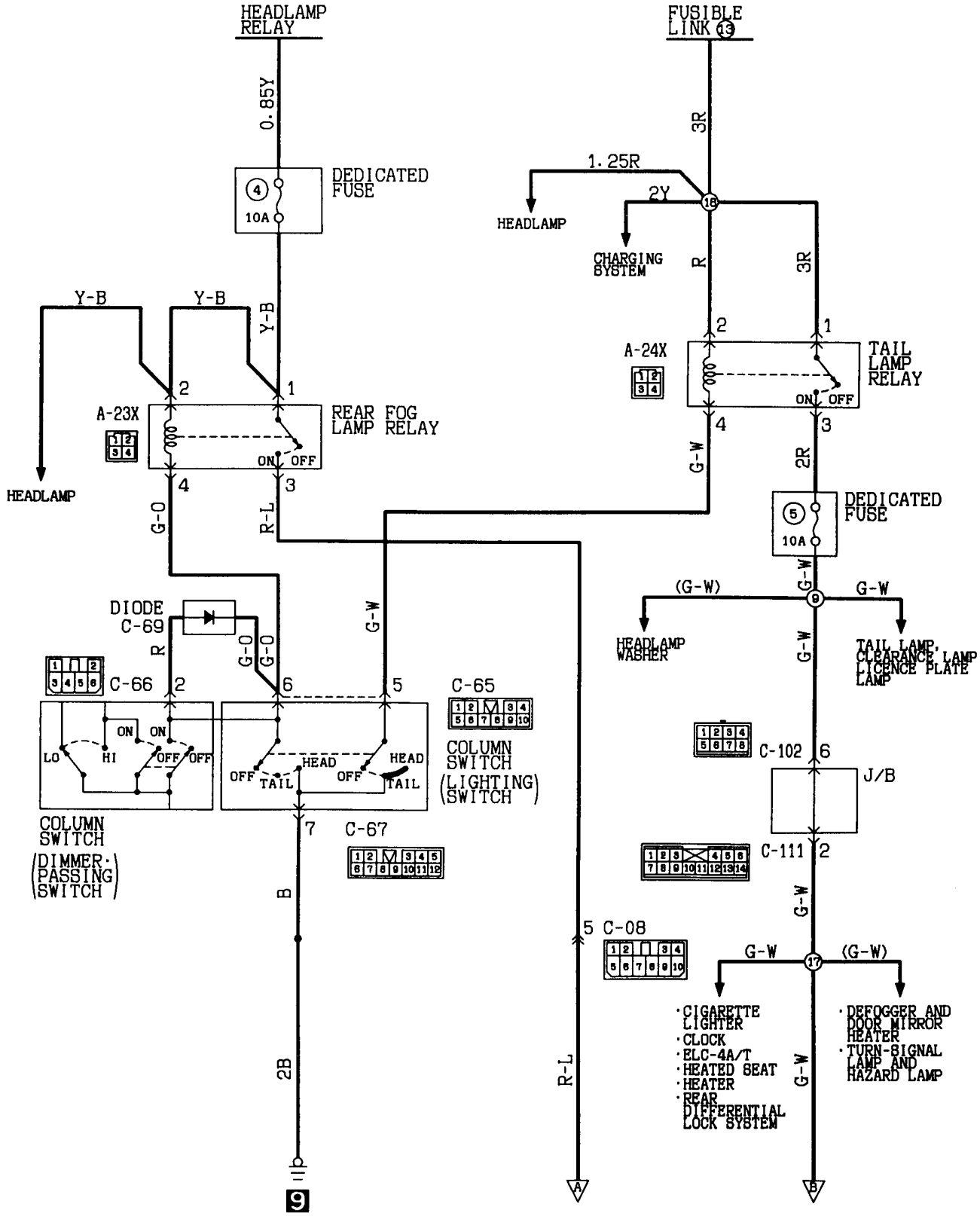
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REAR FOG LAMP
R.H. drive vehicles<With SRS>



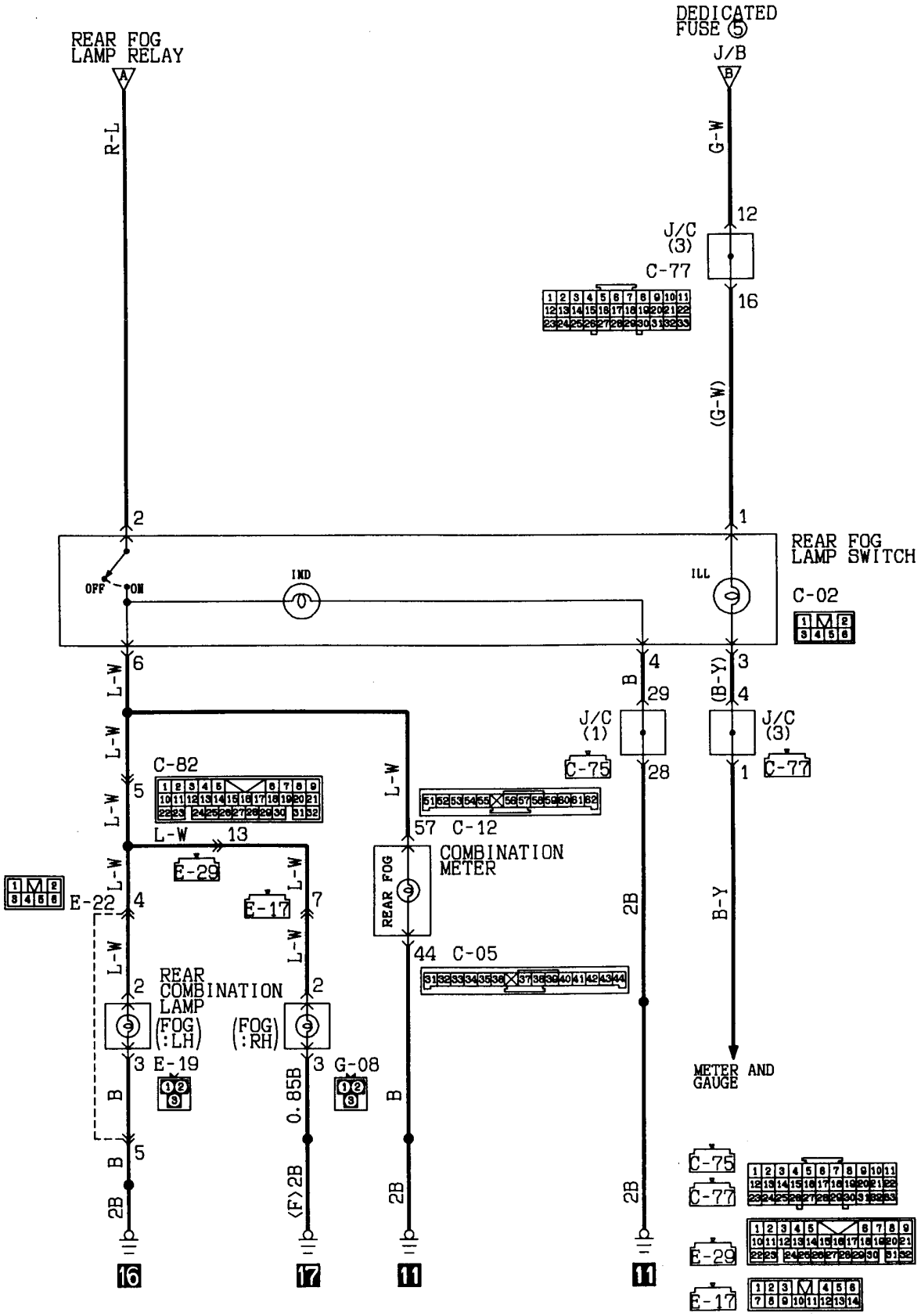
Wire colour code

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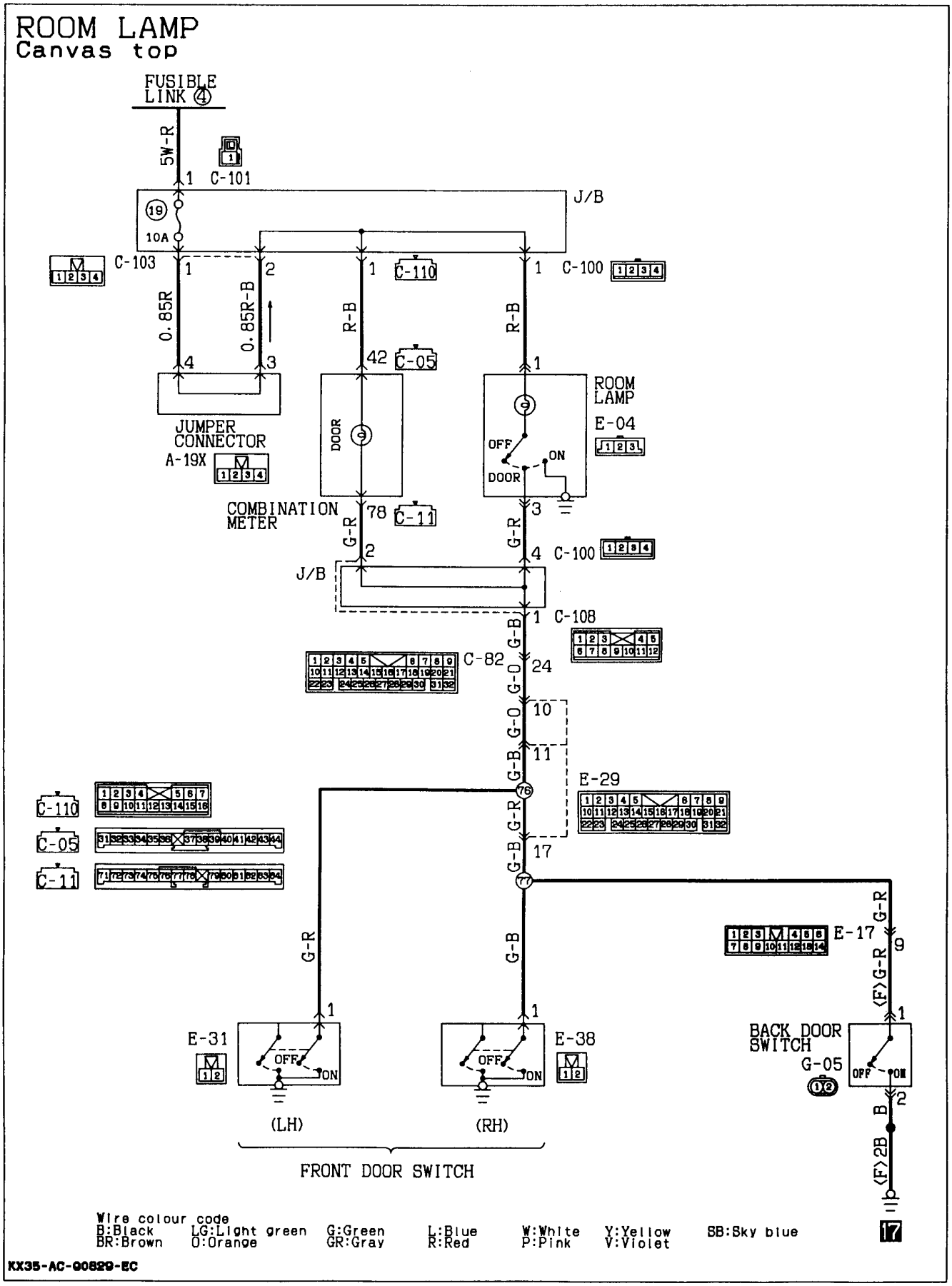
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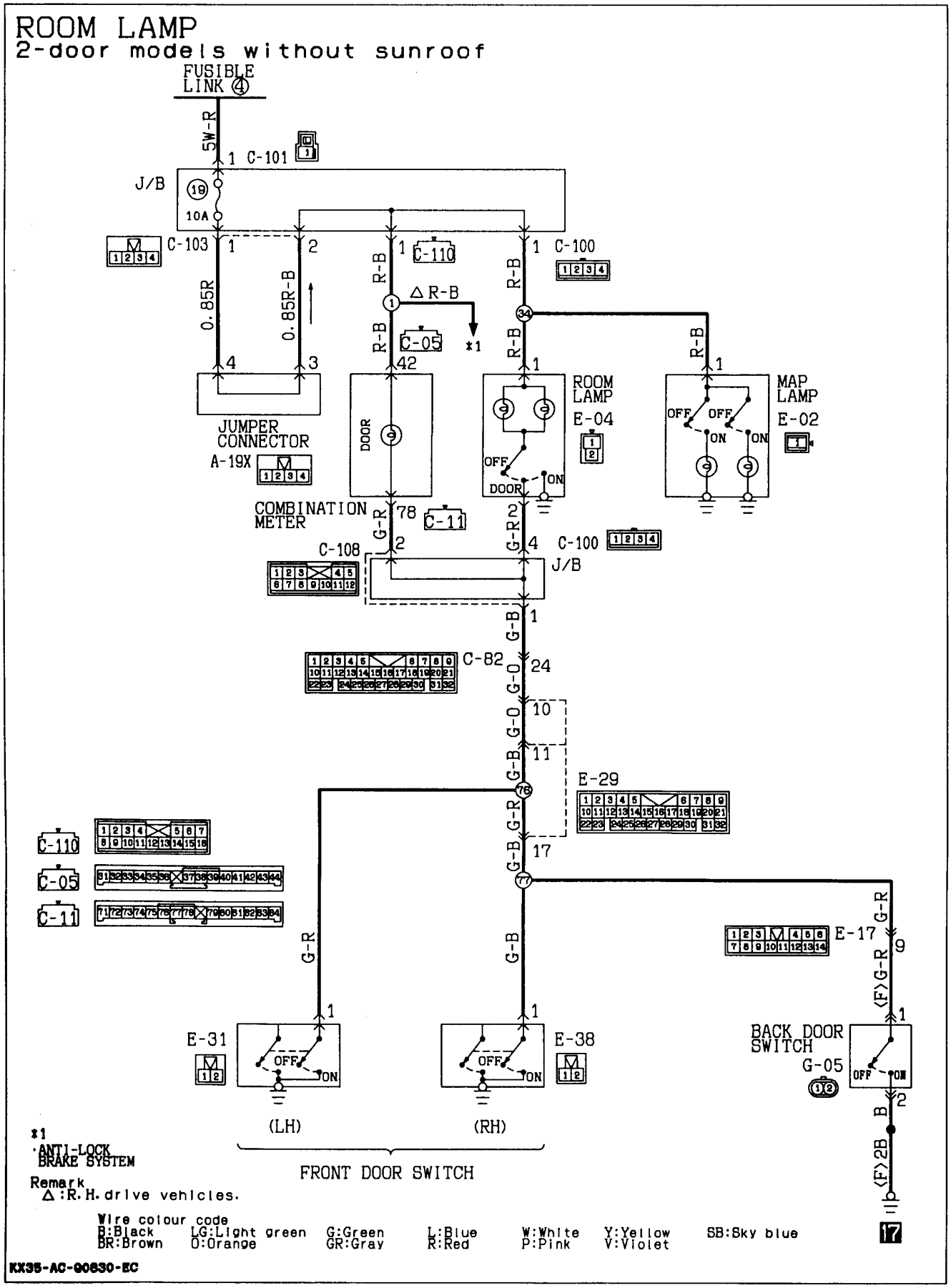


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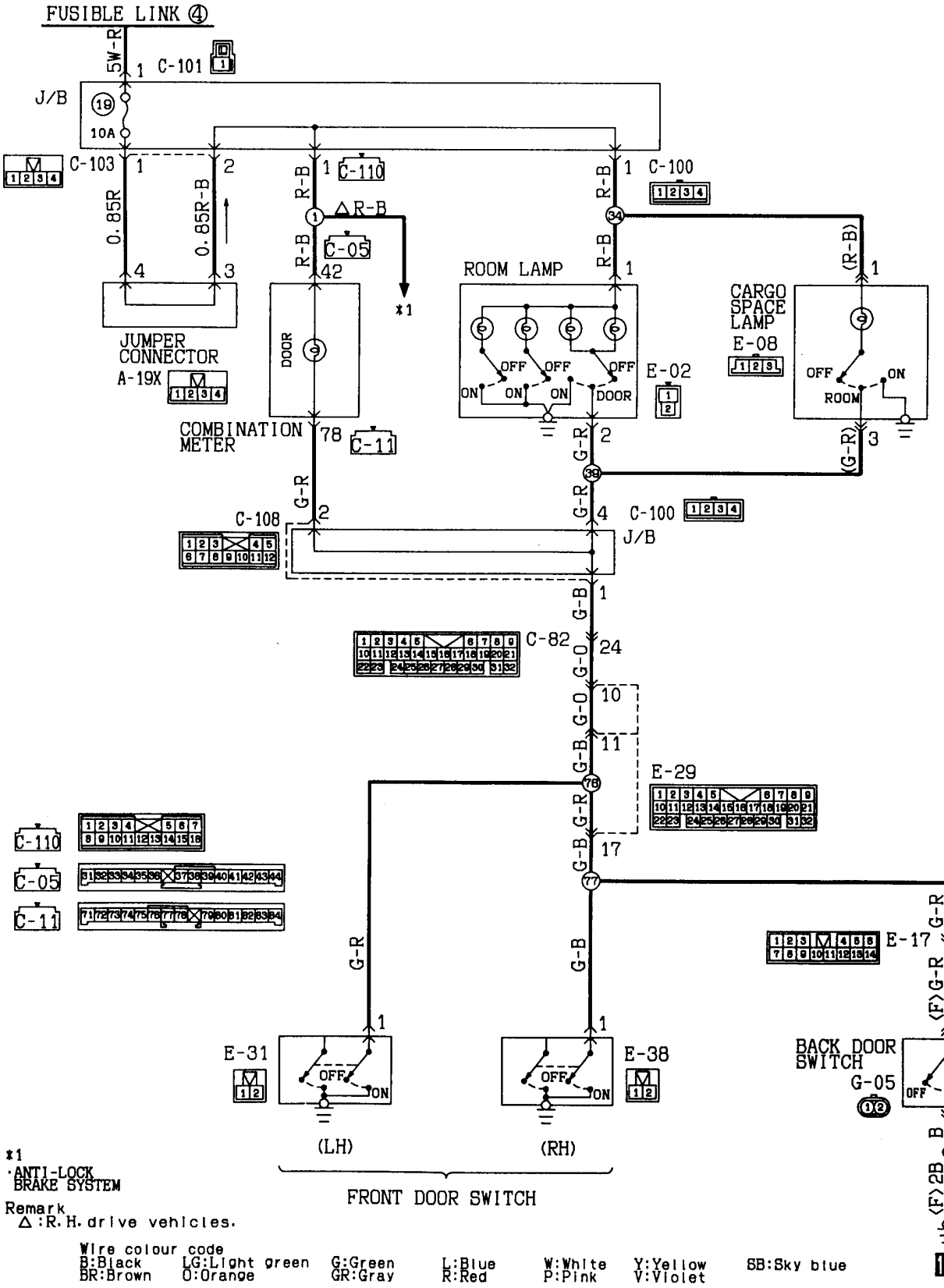


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ROOM LAMP
2-door models with sunroof



*1
·ANTI-LOCK BRAKE SYSTEM

Remark
△:R.H. drive vehicles.

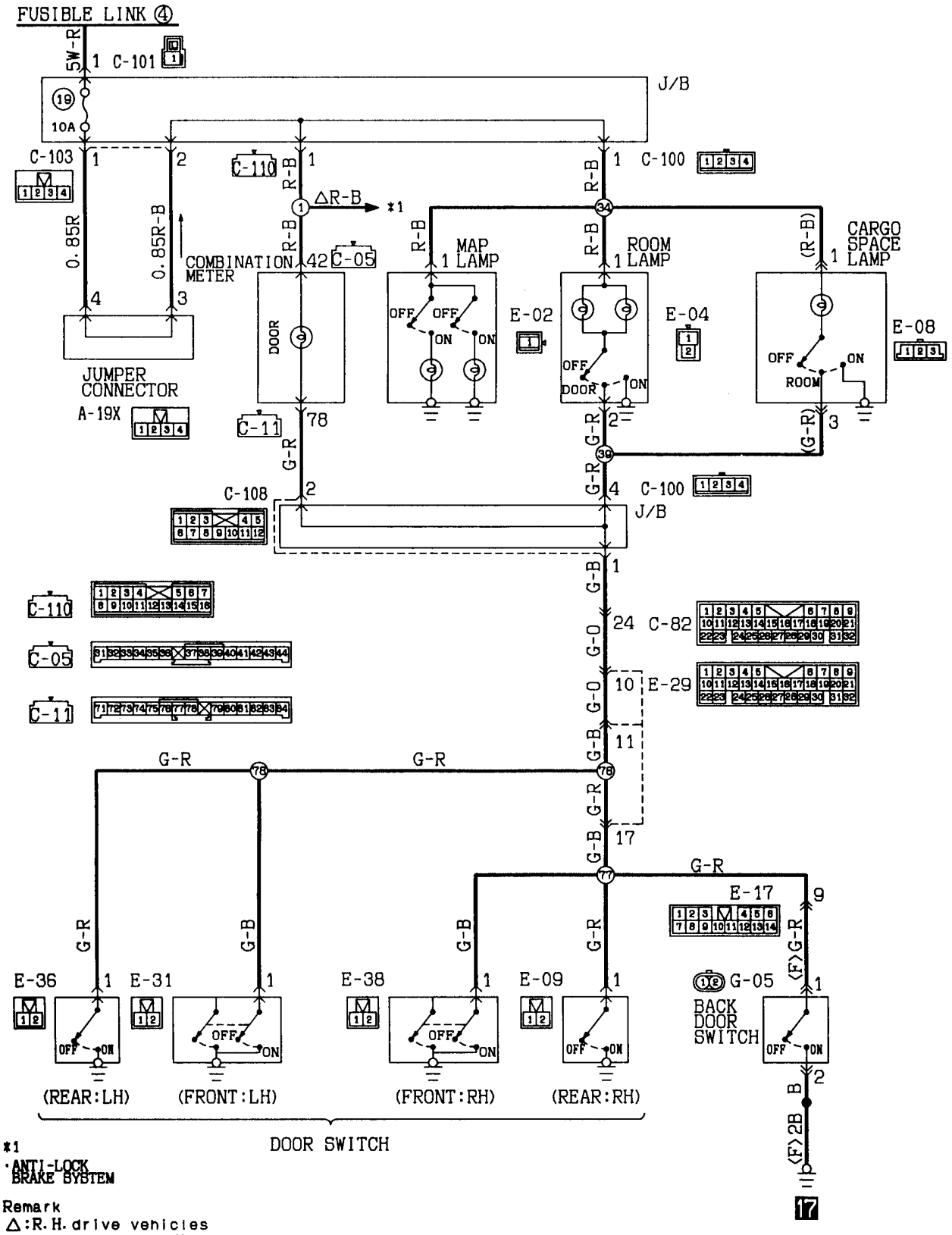
Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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ROOM LAMP
4-door models



*1
·ANTI-LOCK BRAKE SYSTEM

Remark
△:R.H. drive vehicles

Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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ROOM LAMP (See P. 4A-128, 129, 130, 131.)

OPERATION

- Placing the room lamp switch in the ON position causes the room lamp to come on at all times.
- Opening any one of the doors with the room lamp switch in the DOOR position causes the room lamp to come on.
- Closing all doors causes the room lamp to go out.

TROUBLESHOOTING HINTS

1. Room lamp does not come on.
   1) Clock is not operating, either.
      - Check multi-purpose fuse No. ⑲.
   2) Room lamp does not come on when any door is opened with the room lamp switch in the DOOR position.
      - Check bulb.
      - Check room lamp switch.
   3) Room lamp does not come on when a door is opened with the room lamp switch in the DOOR position.
      - Check door switch (of the suspected door).

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IGNITION KEY ILLUMINATION LAMP (See P. 4A-134, 135.)

OPERATION

- When the driver's door is opened, the driver's front door switch turns on and the ignition key illumination lamp illuminates.
- When the driver's door is closed, the driver's front door switch turns off and the discharge from the condenser inside the ignition key illumination lamp timer causes the ignition key illumination lamp to illuminate for 8-16 seconds, after which the lamp switches off.

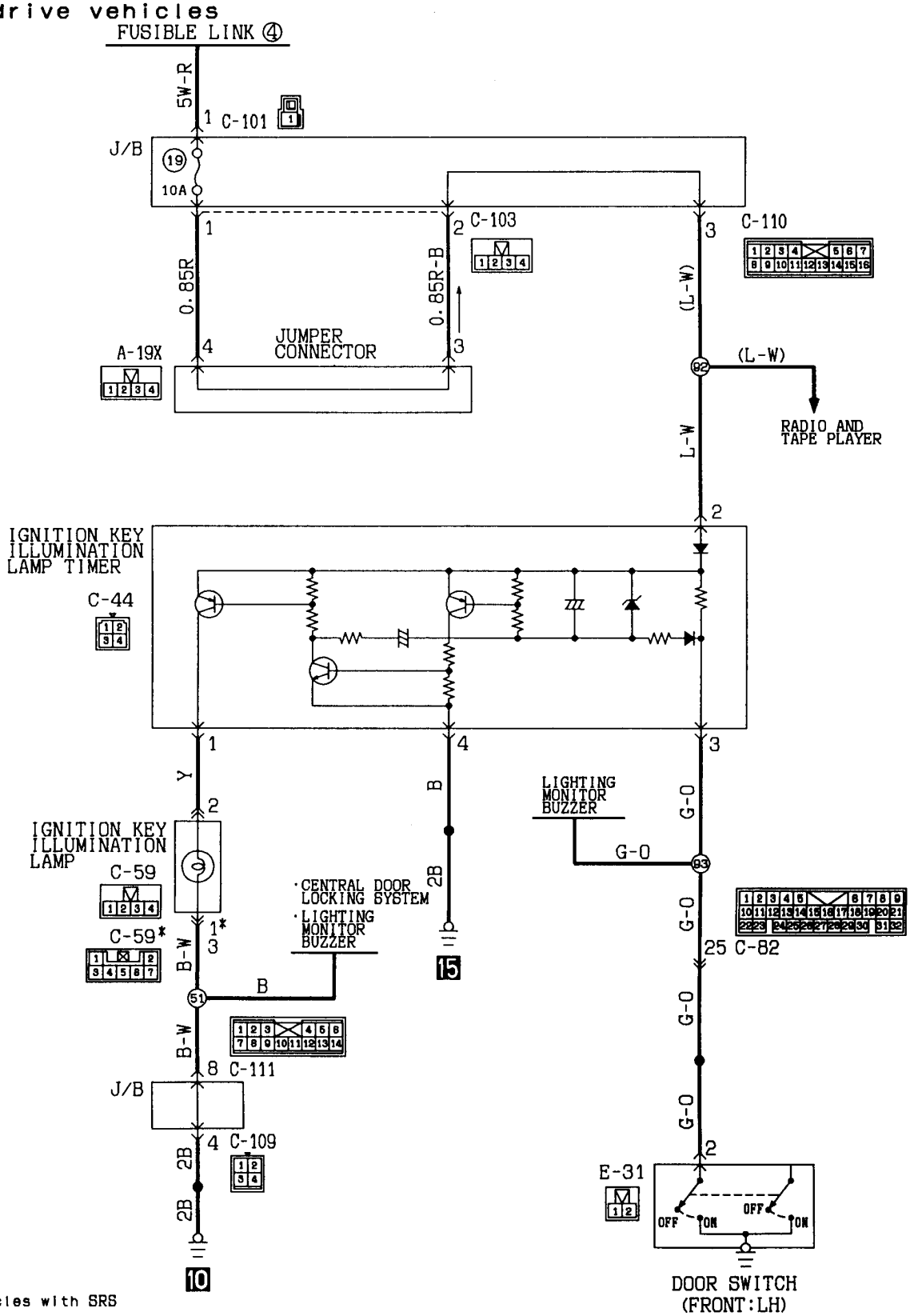
TROUBLESHOOTING HINTS

1. The ignition key illumination lamp does not illuminate.
   1) The room lamp also doesn't illuminate when the room lamp switch is at the door position.
      - Check multi-purpose fuse No. ⑲.
      - Check the driver's door switch.
      - Check the ignition key illumination lamp timer.
2. The ignition key illumination lamp switches off immediately after the driver's door is closed.
   - Check the ignition key illumination lamp timer.

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IGNITION KEY ILLUMINATION LAMP

L.H. drive vehicles



Remark
*:Vehicles with SRS

Wire colour code

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

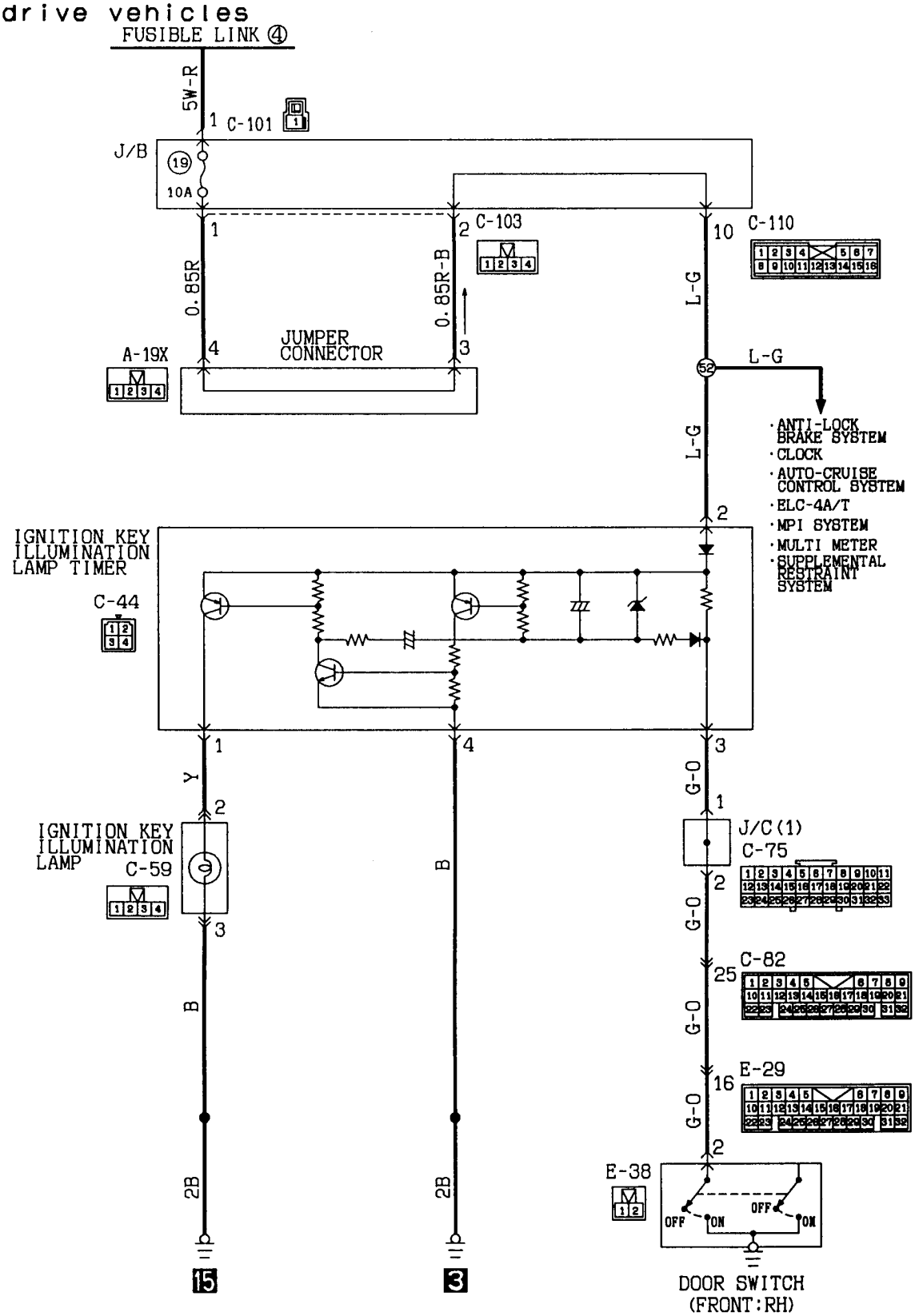
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IGNITION KEY ILLUMINATION LAMP

R.H. drive vehicles



Wire colour code

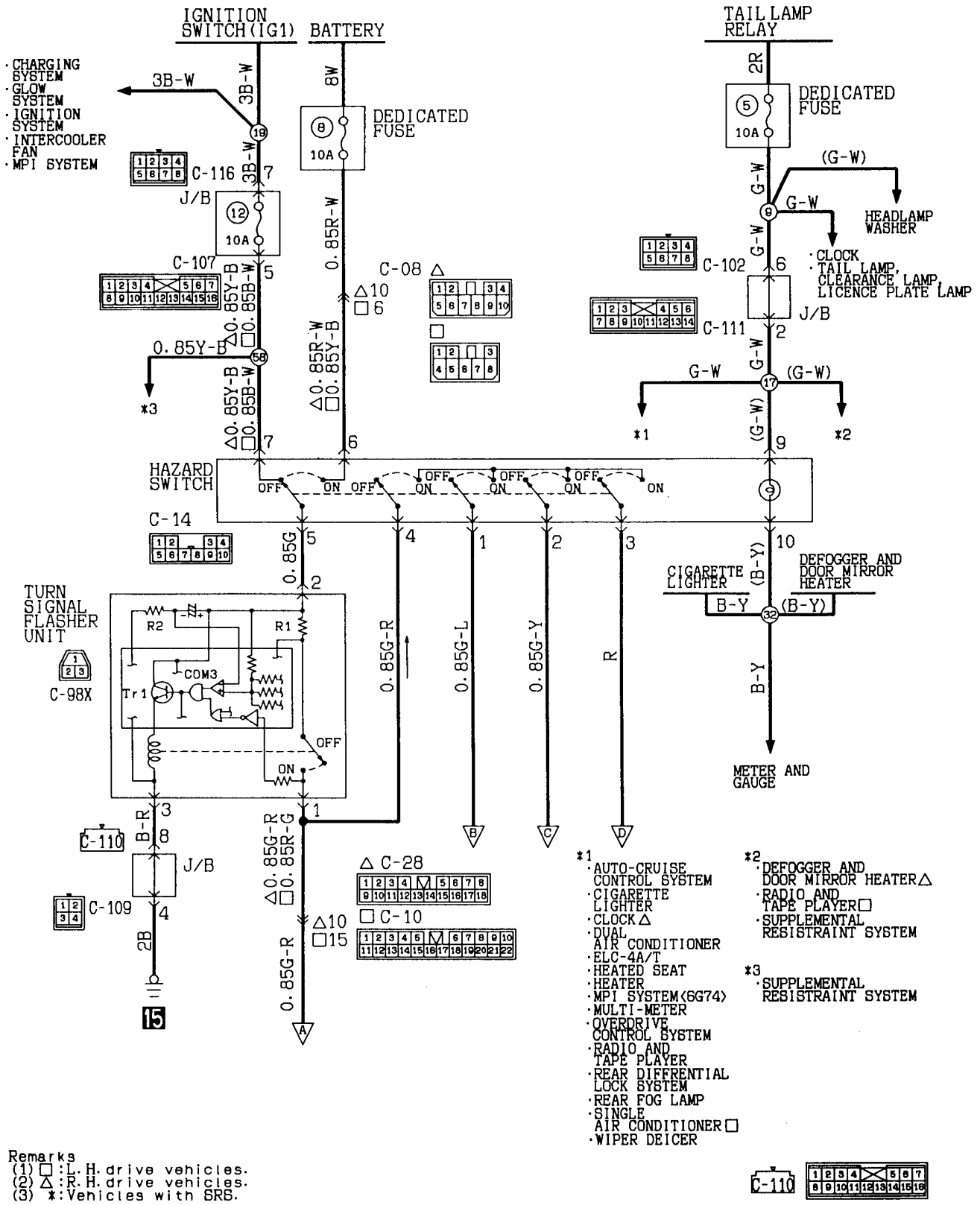
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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TURN-SIGNAL LAMP AND HAZARD LAMP



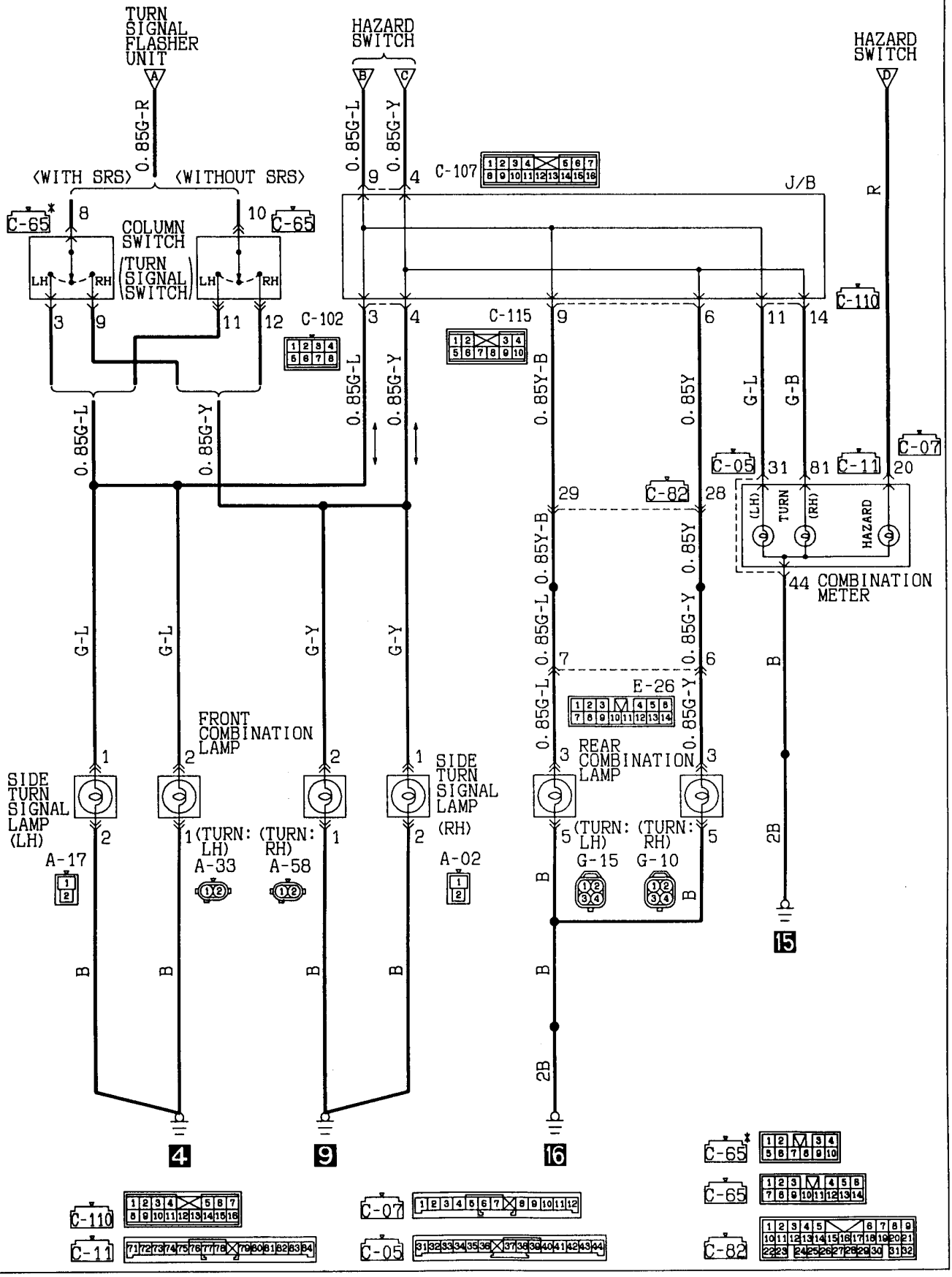
Remarks
(1) □ : L. H. drive vehicles.
(2) △ : R. H. drive vehicles.
(3) * : Vehicles with SRS.

Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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ADDED

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TURN-SIGNAL LAMP AND HAZARD LAMP (See P. 4A-136.)

OPERATION

〈Turn-signal lamp〉

1. In normal operating condition

- When the ignition switch is placed in the ON position, battery voltage is applied through the hazard switch to the turn-signal and hazard flasher unit.
- When the turn-signal switch is placed in the LH (or RH) position, Tr_1 in the flasher unit turns ON, causing the relay contacts in the flasher unit to close. This results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp lighting up.
- At the same time, the capacitor is charged through R^2 up to the lower limit as set by COM3.
- As soon as the capacitor is fully charged, the output from COM3 is inverted, turning OFF Tr_1. This opens the relay contacts and , as a result, the LH (or RH) turn-signal lamp and turns-signal indicator lamp go out.
- At the same time when Tr_1 turns OFF, the capacitor starts discharging. As soon as the capacitor completes discharging, the COM3 output is inverted again causing Tr_1 to turn ON. This results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp coming on.
- These sequences of operation repeat, which results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp flashing off and on.

2. When one bulb is burnt

- When either one of the turn-signal lamp bulbs goes out, it causes the resistance of the entire lamp circuit to increase; hence a smaller voltage drop at R1 in the flasher unit.
- This smaller voltage drop is sensed and the lower voltage limit set by COM3 is raised, thus shortening the time required by the capacitor before it is fully charged.
- As a result, the on-off cycle of Tr_1 becomes shorter with the resultant greater number of times the lamp flashes on and off.

〈Hazard lamp〉

- When the hazard switch is placed in the ON position, the flasher unit relay contacts repeatedly close and open, which results in the RH and LH turn-signal lamps, turn-signal indicator lamps, and hazard warning indicator lamps flashing on and off at the same time.

Remark

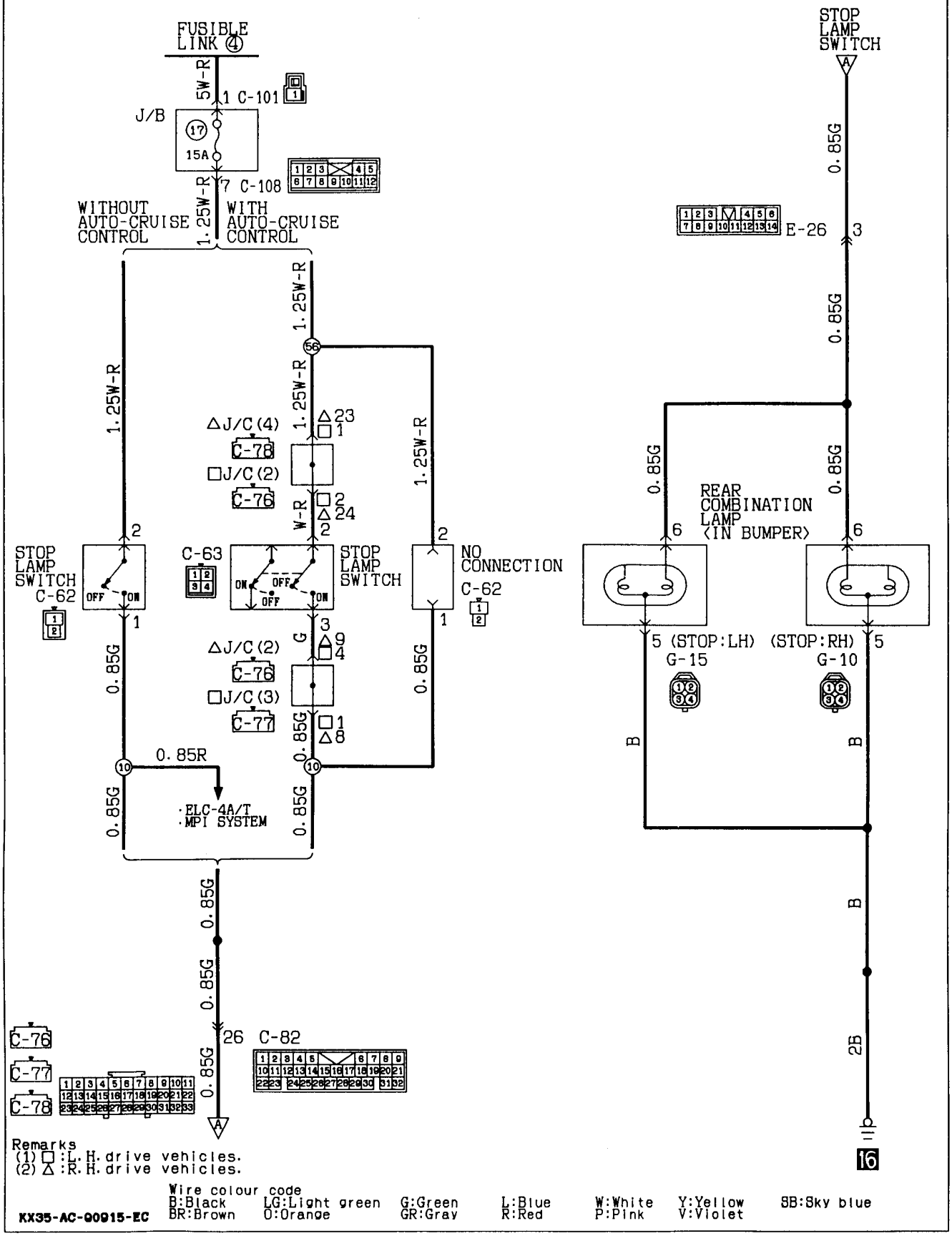
- The number of times the hazard lamps flash on and off does not change even when one bulb is out.

TROUBLESHOOTING HINTS

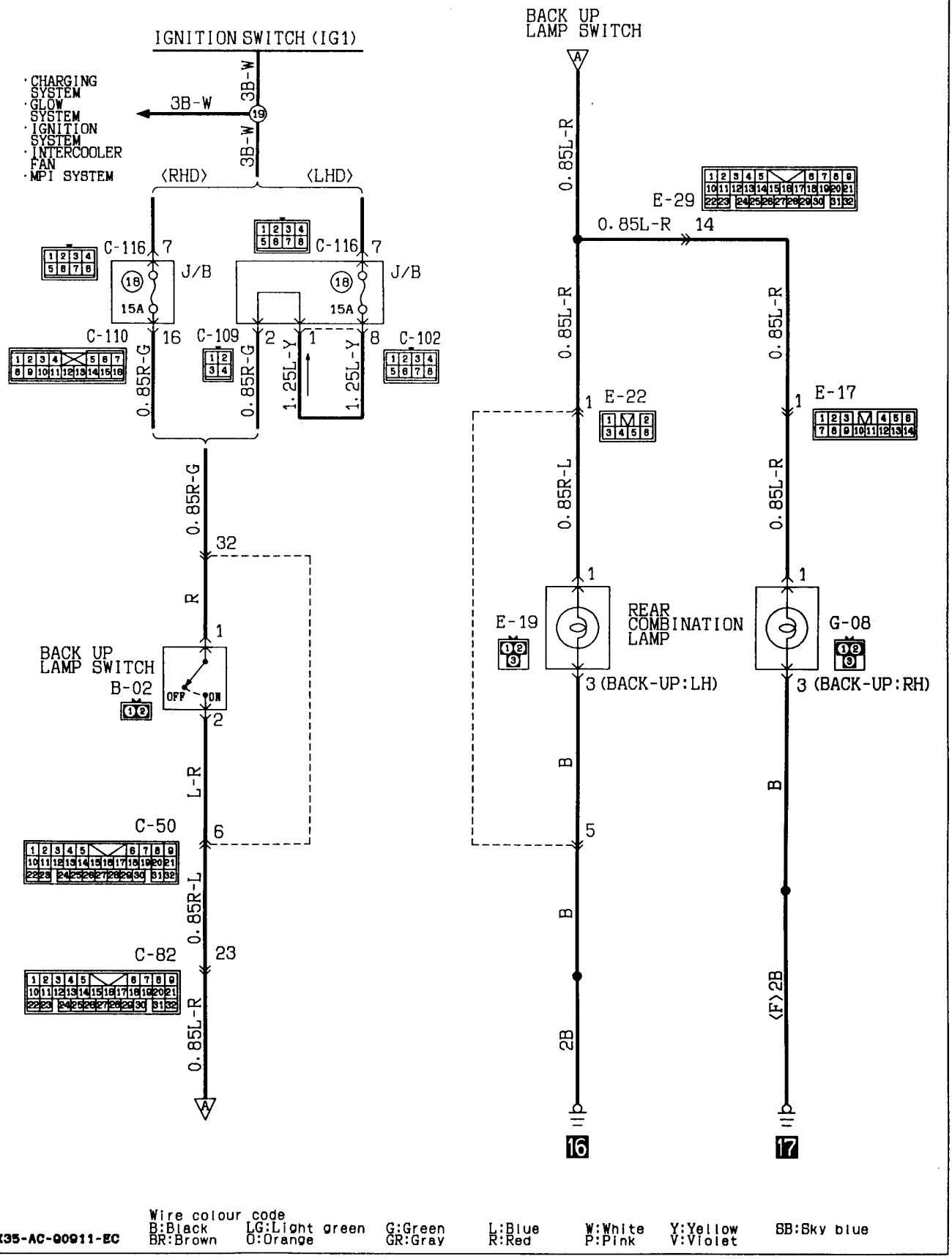
1. Neither the turn-signal lamps nor hazard lamps operate.
   - Check hazard switch contacts (on power source end).
   - Check flasher unit.
2. All LH or RH turn-signal lamps do not operate.
   1) Hazard lamp is fully operational.
      - Check hazard switch contacts (on turn-signal end).
      - Check turn-signal switch.
3. Flashing cycle of turn signal lamps is shorter.
   - Check bulb.
4. Hazard lamp does not operate.
   1) Turn-signal lamps are operational.
      - Check hazard switch contacts (on hazard lamp end).

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STOP LAMP


FUSIBLE LINK ④
5W-R
1 C-101
J/B
⑰
15A
1.25W-R
7 C-108
WITHOUT AUTO-CRUISE CONTROL
WITH AUTO-CRUISE CONTROL
STOP LAMP SWITCH
C-62
OFF
ON
C-63
△J/C(4)
C-78
□J/C(2)
C-76
△J/C(2)
C-76
□J/C(3)
C-77
STOP LAMP SWITCH
NO CONNECTION
C-62
0.85R
·ELC-4A/T
·MPI SYSTEM
0.85G
0.85G
0.85G

BACK-UP LAMP
M/T



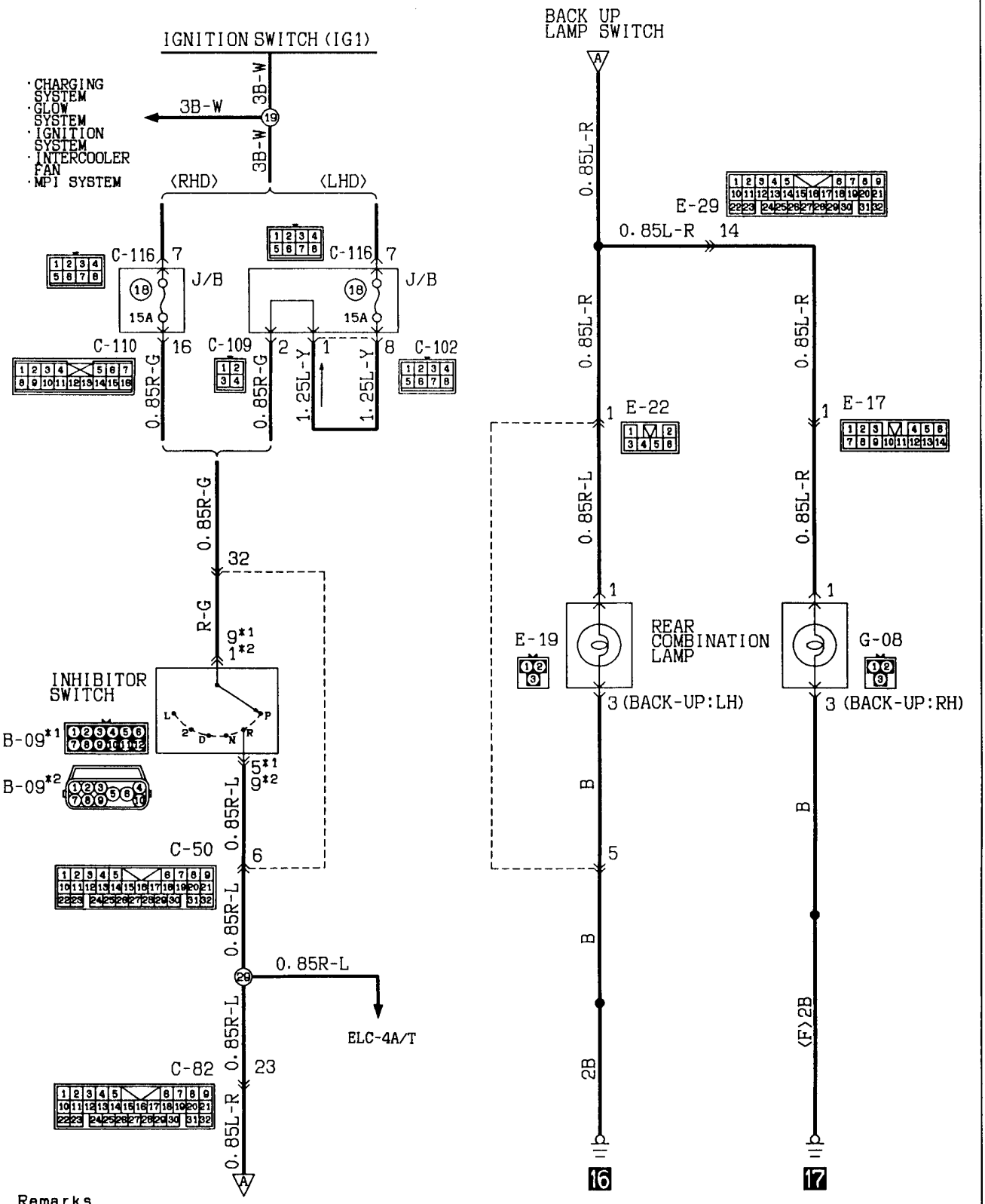
Wire colour code
B:Black BR:Brown LG:Light green O:Orange G:Green GR:Gray L:Blue R:Red W:White P:Pink Y:Yellow V:Violet SB:Sky blue

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BACK-UP LAMP
A/T



Remarks
(1) *1: 6G72 engine
(2) *2: 6G74, 4M40 engine

Wire colour code

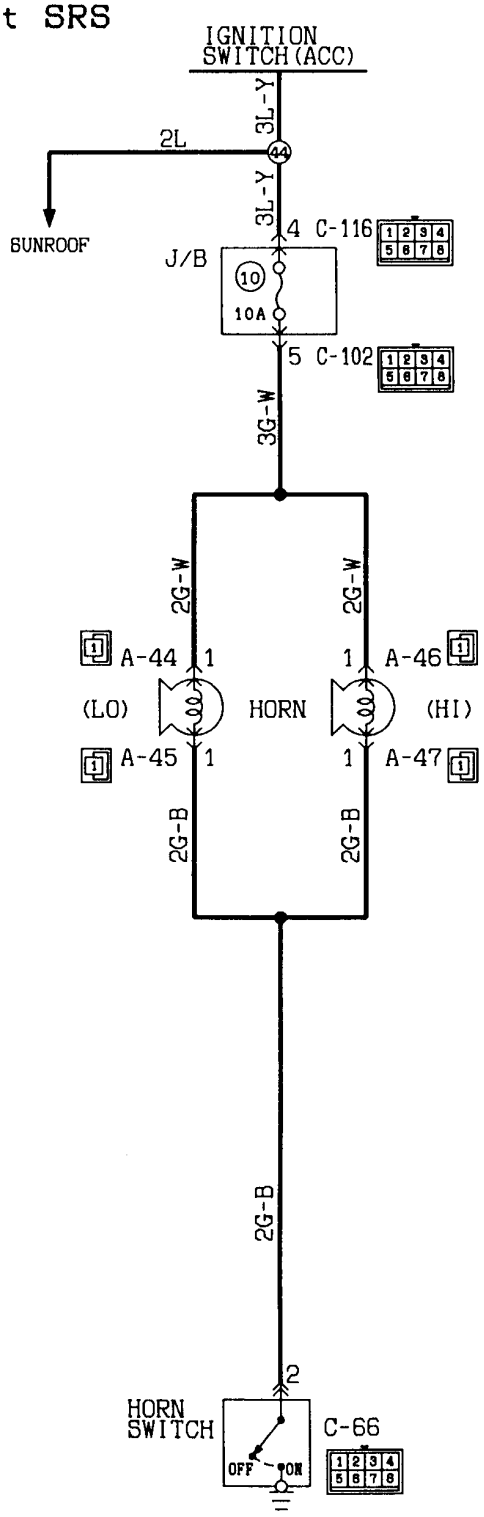
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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HORN
Vehicles without SRS



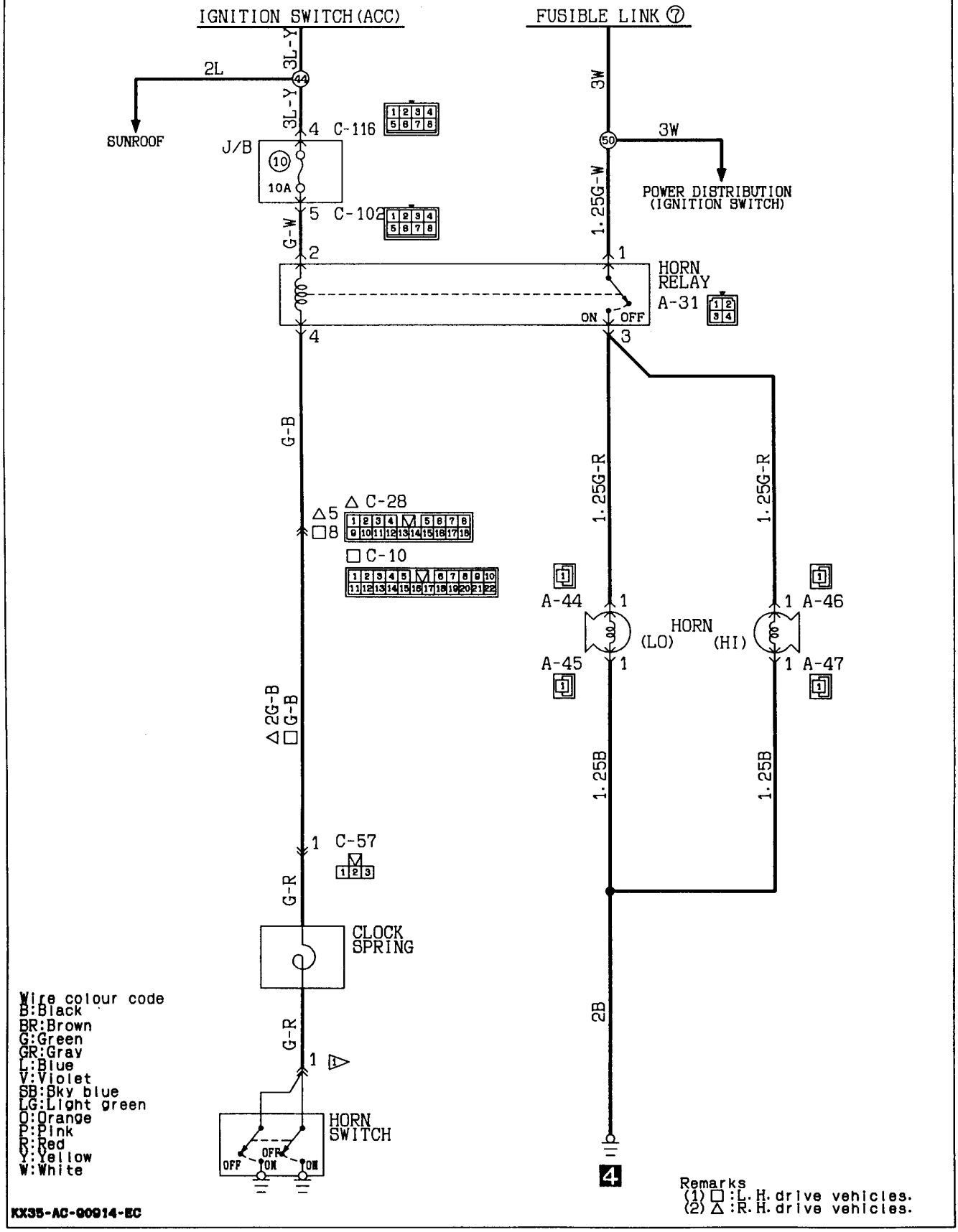
Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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HORN
Vehicles with SRS



Wire colour code
B:Black
BR:Brown
G:Green
GR:Gray
L:Blue
V:Violet
SB:Sky blue
LG:Light green
O:Orange
P:Pink
R:Red
Y:Yellow
W:White

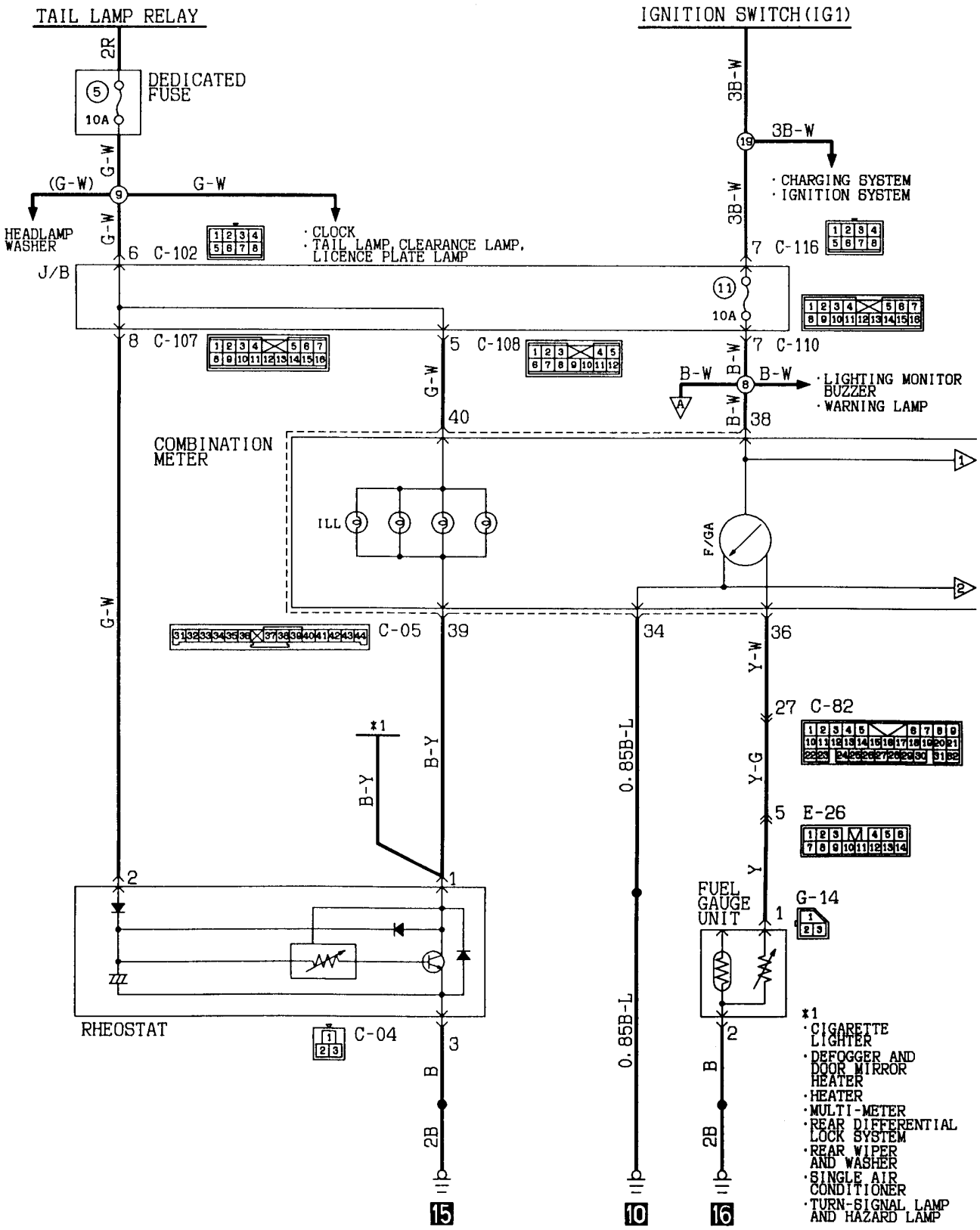
KX35-AC-00914-EC

Remarks
(1) □ :L.H. drive vehicles.
(2) △ :R.H. drive vehicles.

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METER AND GAUGE
4G64 engine

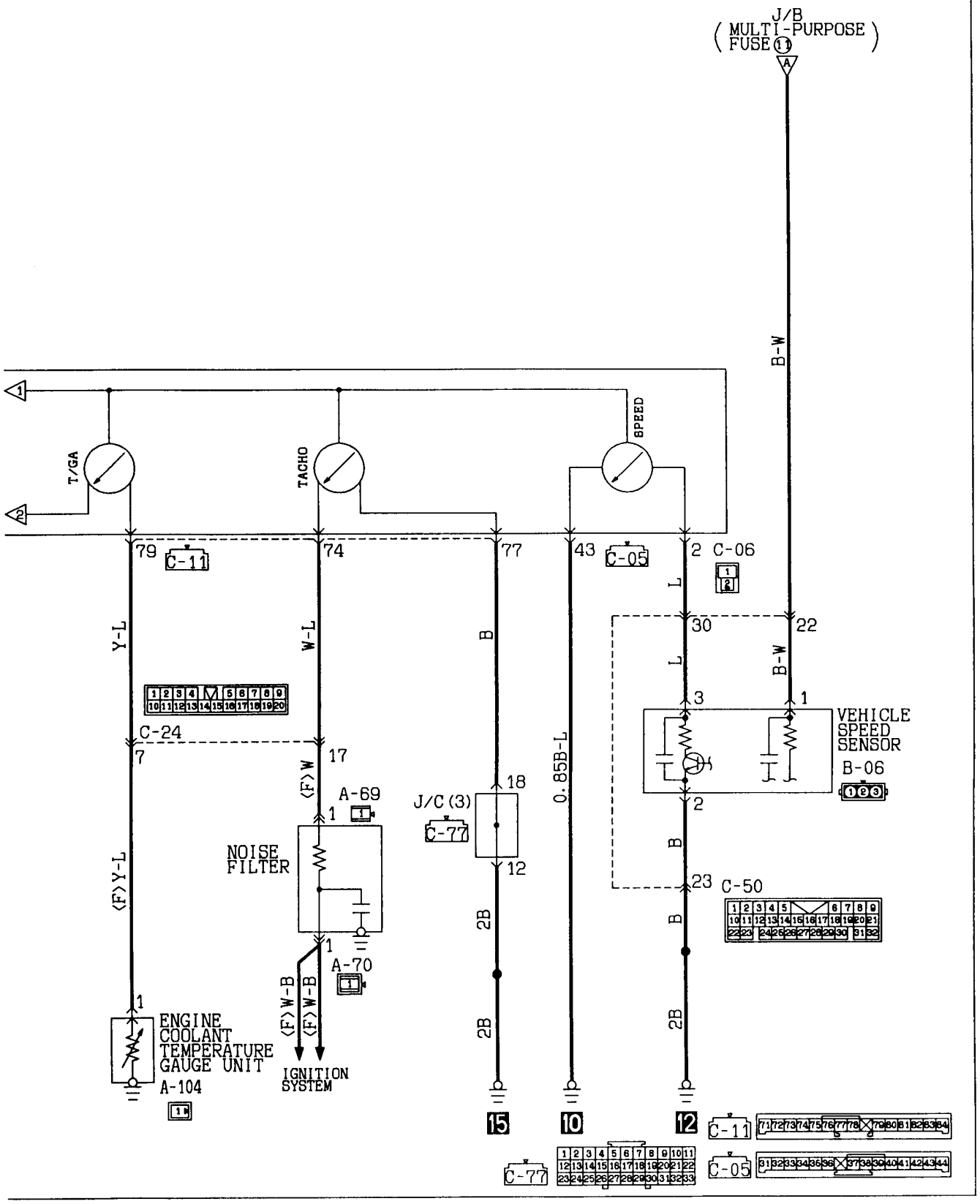


Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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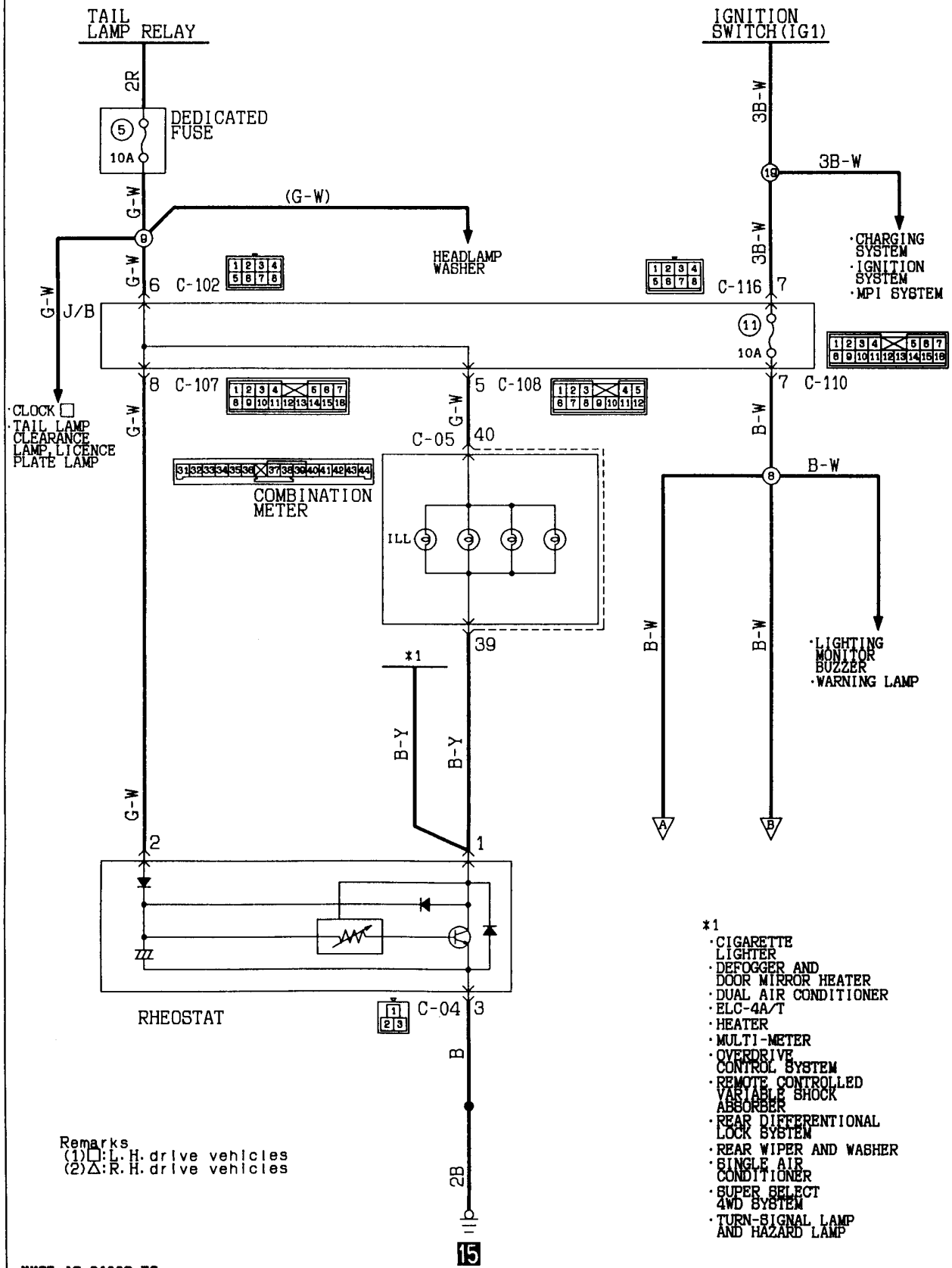
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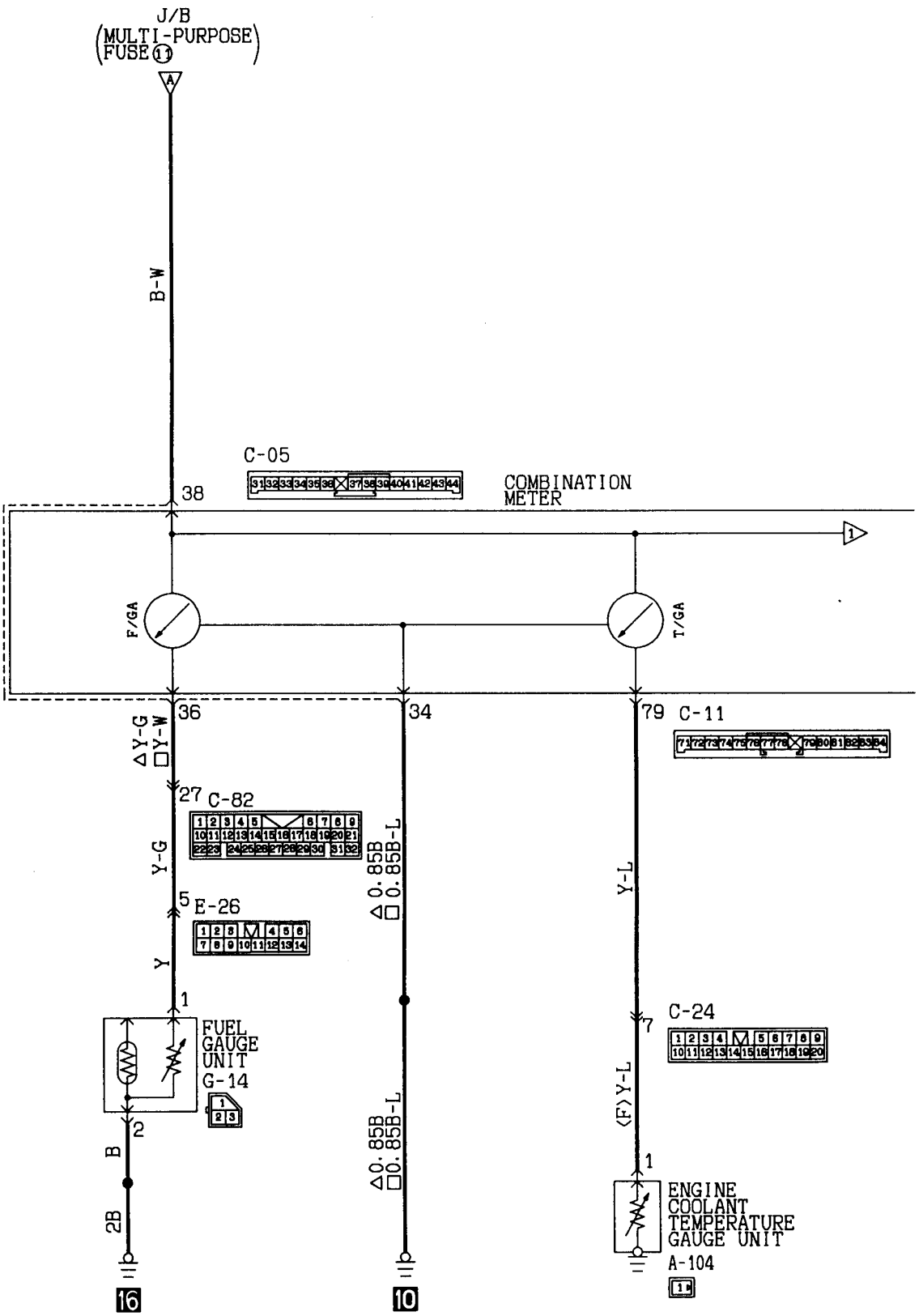
METER AND GAUGE
6G72, 6G74 engine



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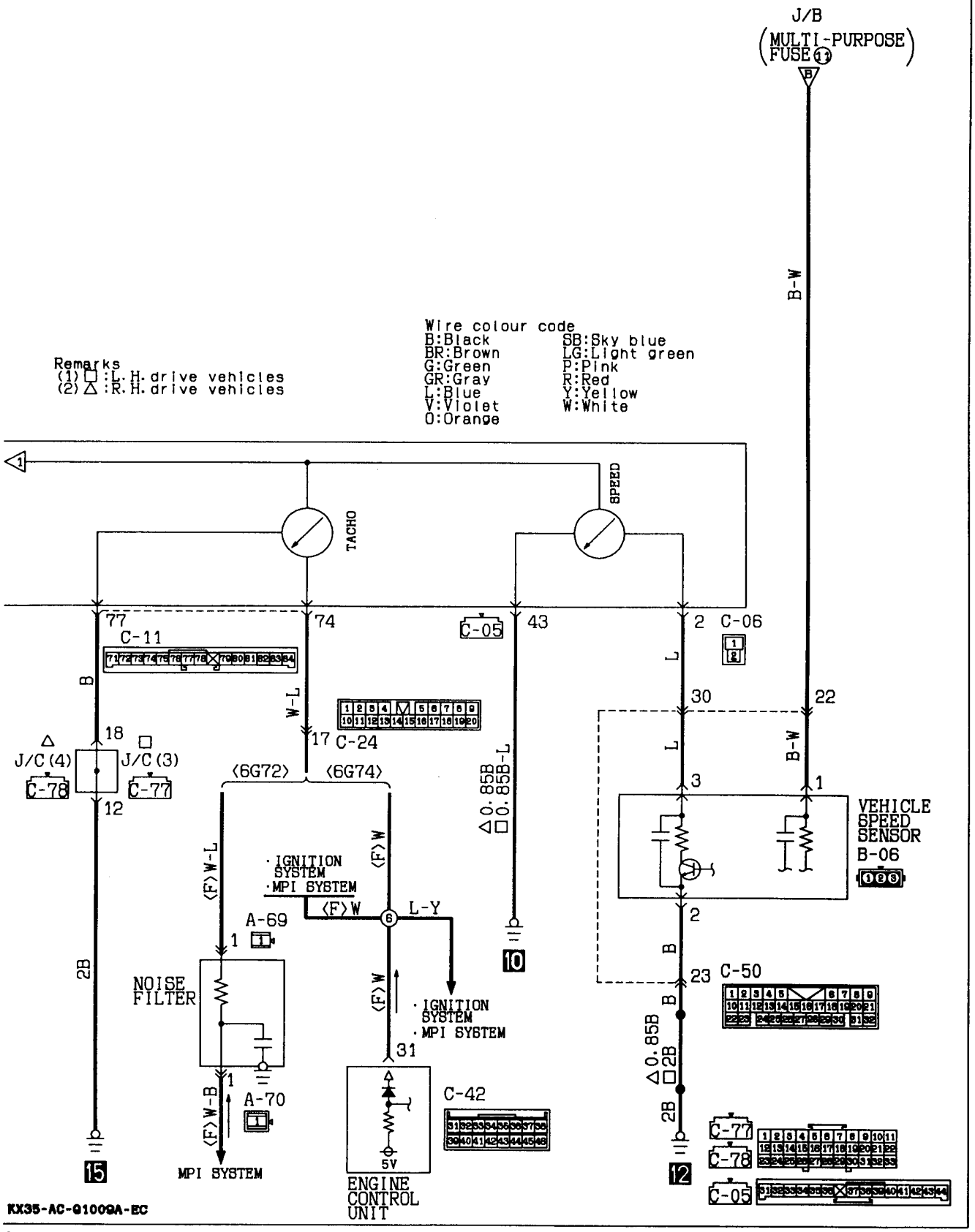
Wire colour code

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

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METER AND GAUGE<6G72, 6G74 engine> (CONTINUED)



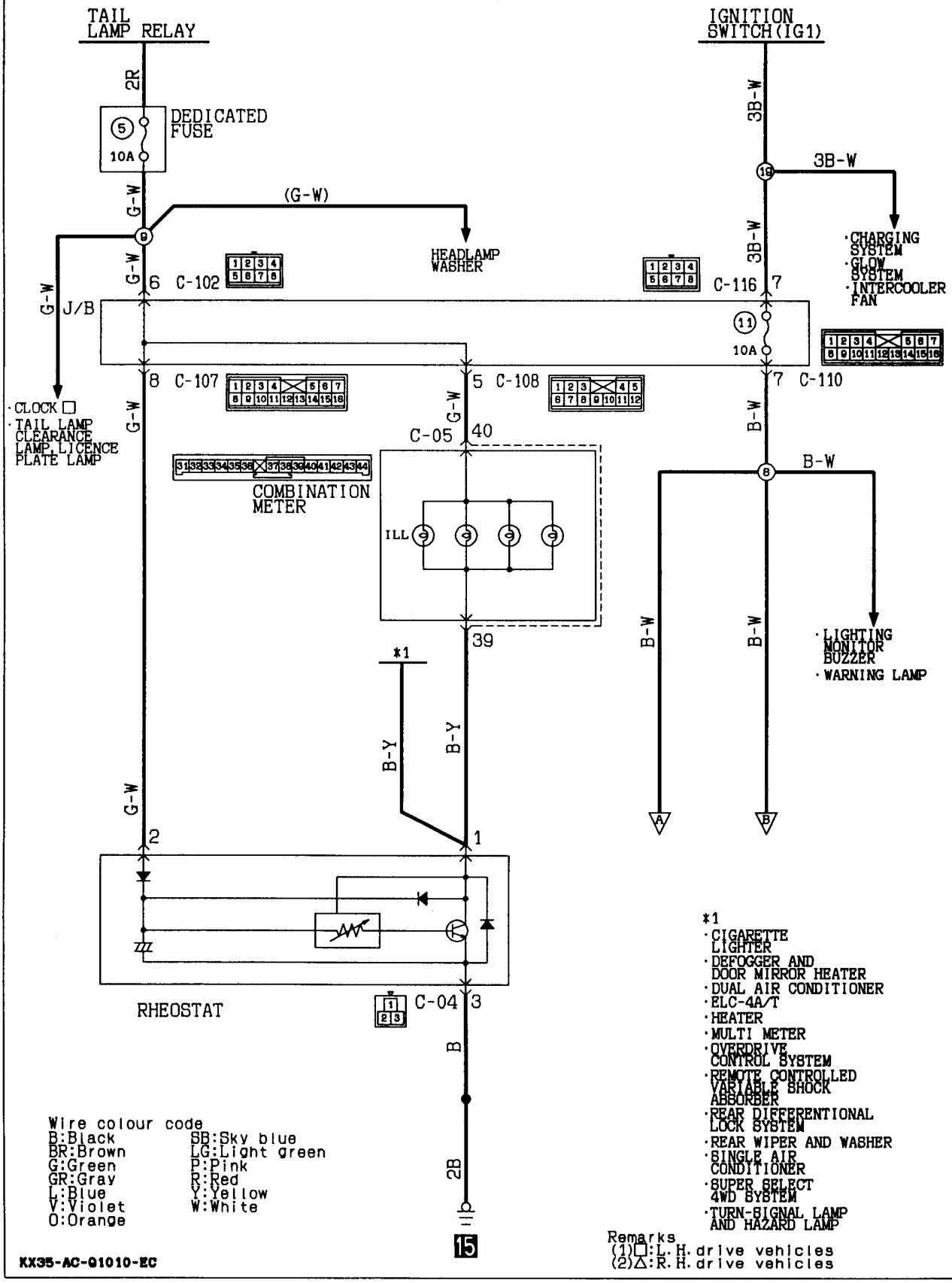
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NOTES

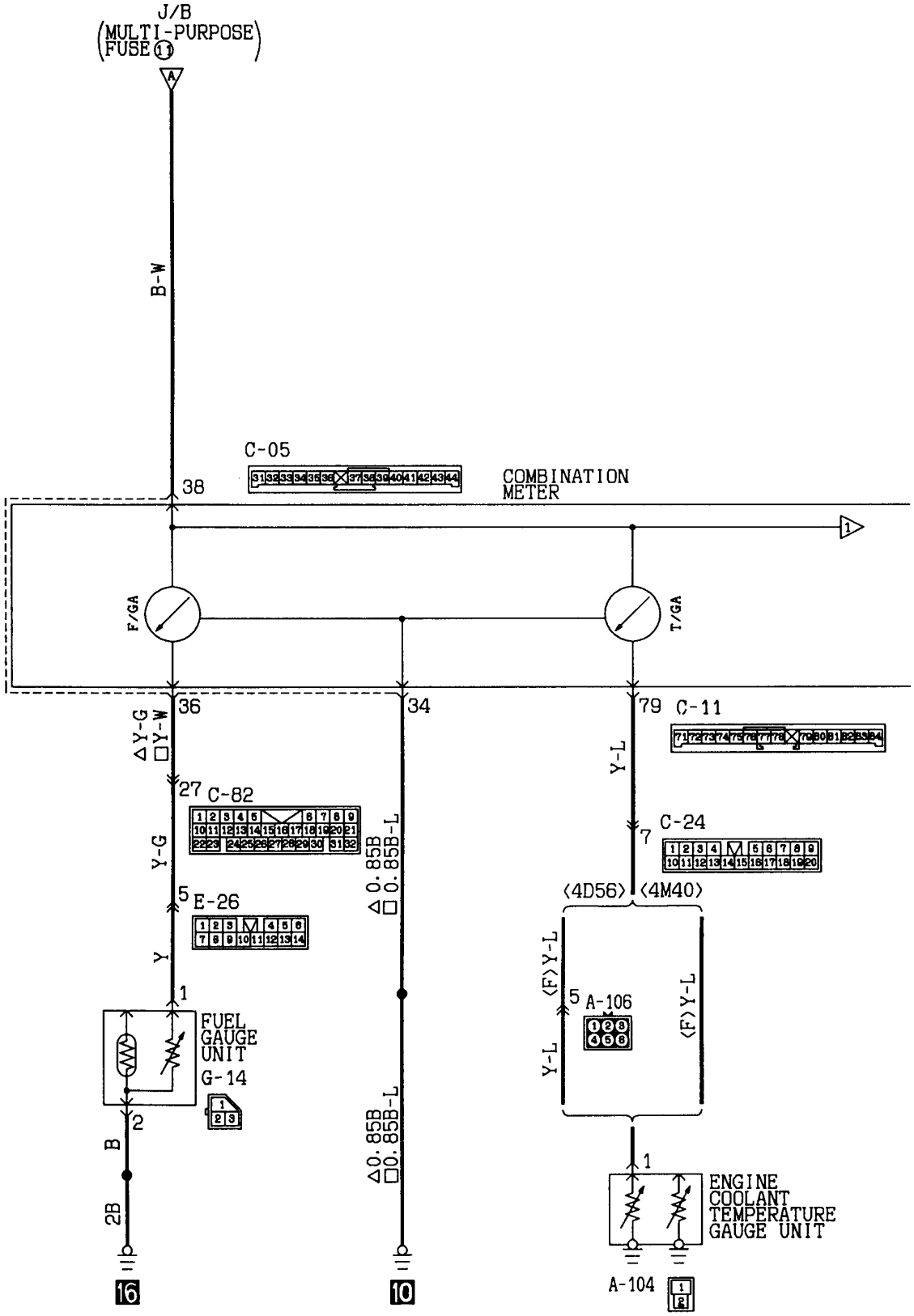
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METER AND GAUGE
4D56, 4M40 engine

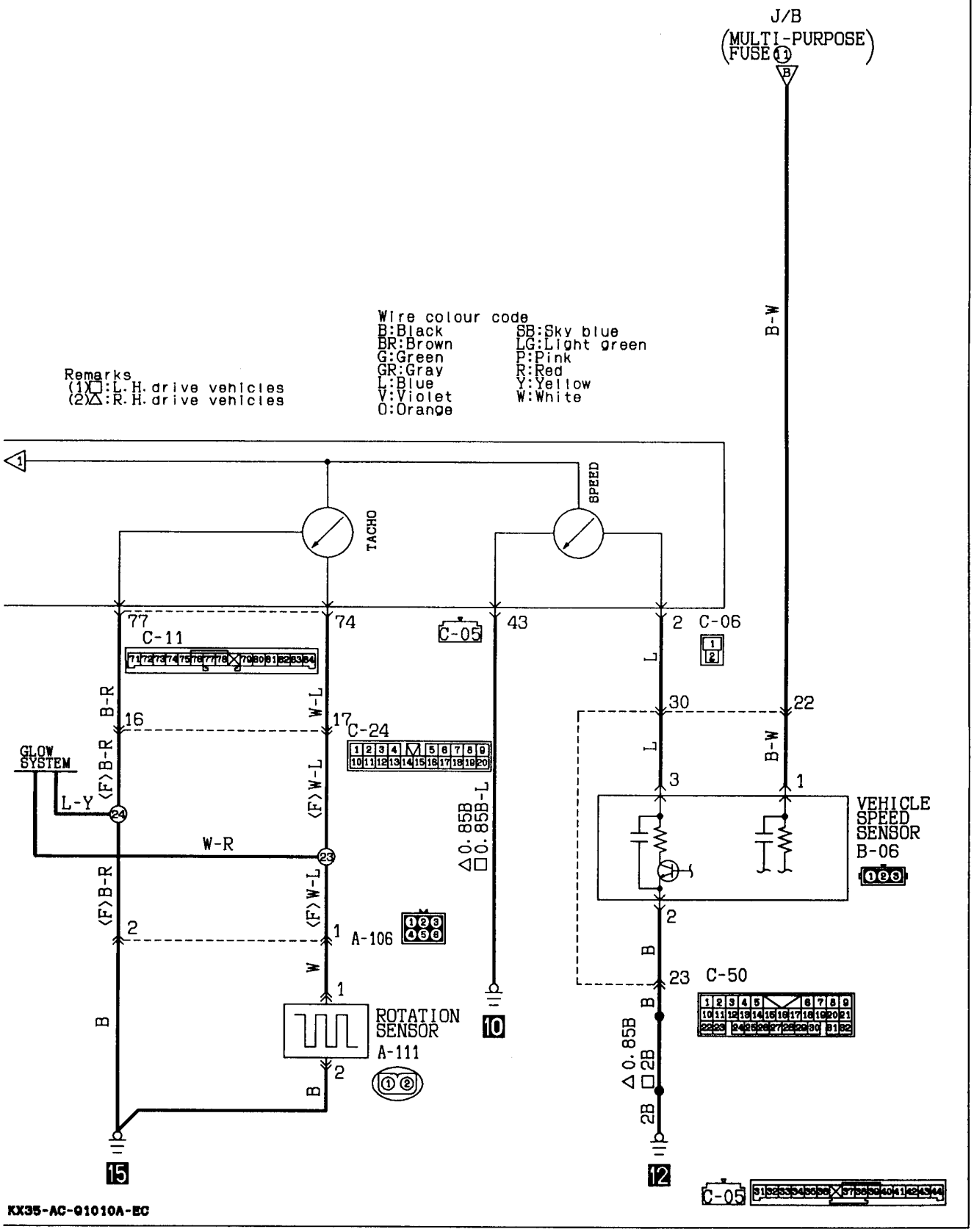


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METER AND GAUGE (See P. 4A-144, 146, 150.)

OPERATION

〈Fuel gauge〉

- When the ignition switch is at the "ON" position, the fuel gauge is activated.
- When there is much fuel, the unit's resistance is small and the current flowing in the circuit is great, so the gauge's indicator indicates in the "F" area.
- When there is little fuel, the unit's resistance is high and the current flowing in the circuit is small, so the gauge's indicator indicates in the "E" area.

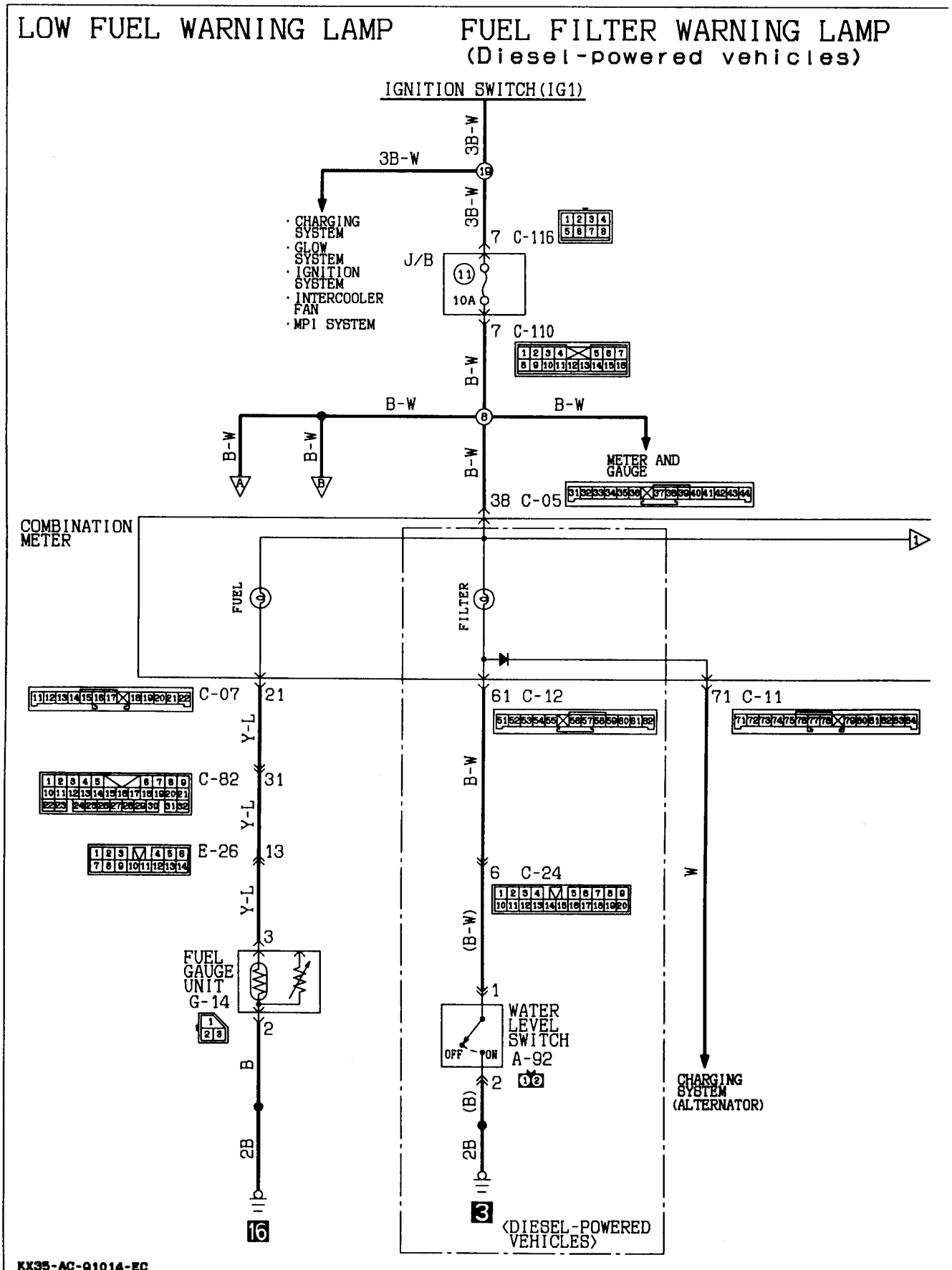
〈Engine coolant temperature gauge〉

- When the ignition switch is at the "ON" position, the engine coolant temperature gauge is activated.
- When the engine coolant temperature is high, the unit's resistance is low and there is a great, flow of current in the circuit, so the gauge's indicator indicates in the "H" area.
- When the engine coolant temperature is low, the unit's resistance is high and there is a small flow of current in the circuit, so the gauge's indicator indicates in the "C" area.

TROUBLESHOOTING HINTS

1. Fuel gauge does not operate, or registers incorrectly.
   1) The fuel gauge indicates "F" when the fuel gauge unit connector is disconnected and the "1" terminal is earthed.
      - Check fuel gauge.
2. Engine coolant temperature gauge does not operate, or registers incorrectly.
   1) When the engine coolant temperature gauge is earthed with its connector unplugged, it registers "H".
      - Check engine coolant temperature gauge unit.
3. Meter illumination lamp does not come on.
   1) Tail lamps do come on.
      - Check rheostat.

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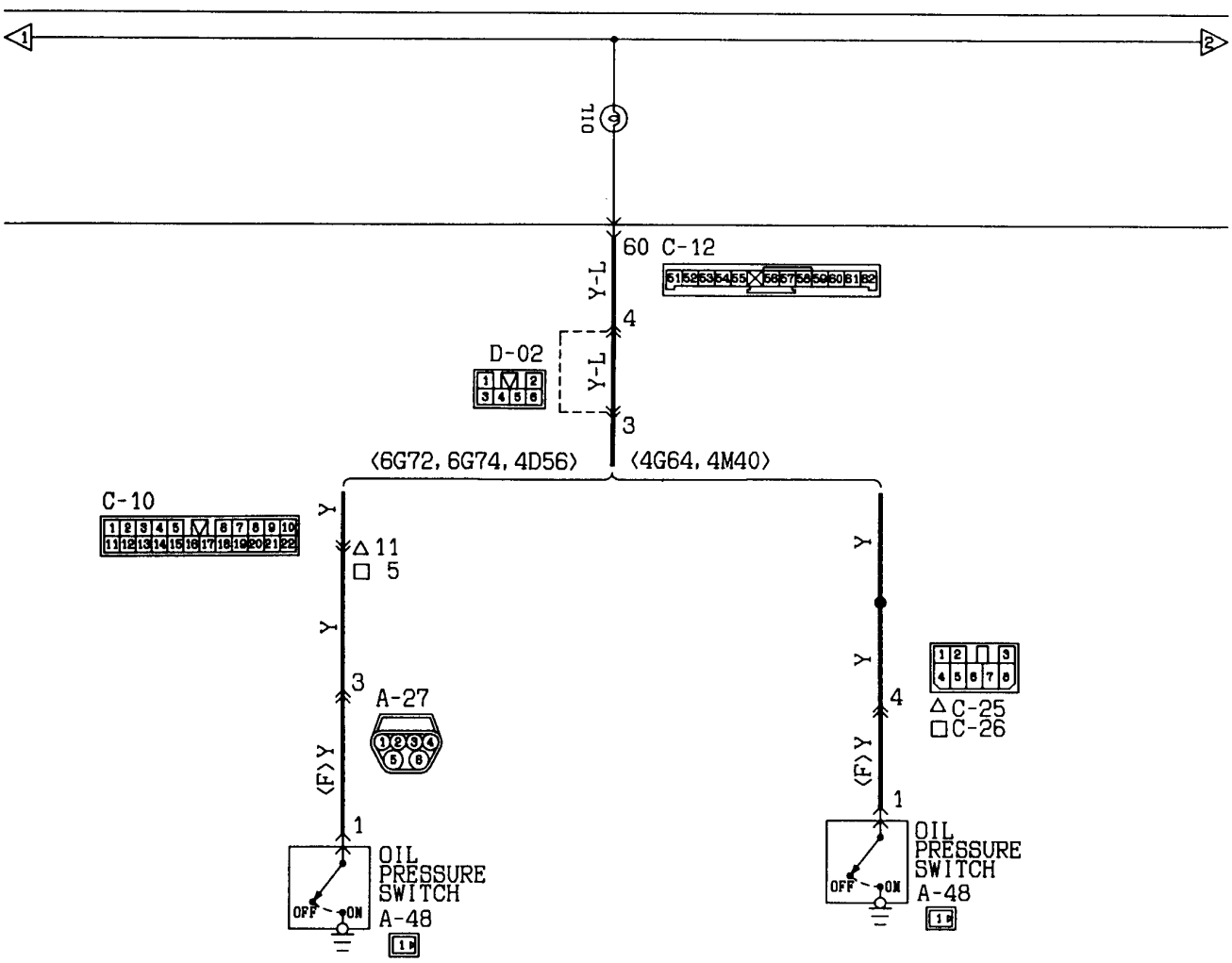


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OIL PRESSURE WARNING LAMP

Remarks
〈1〉 □ : L. H. drive vehicles
〈2〉 △ : R. H. drive vehicles

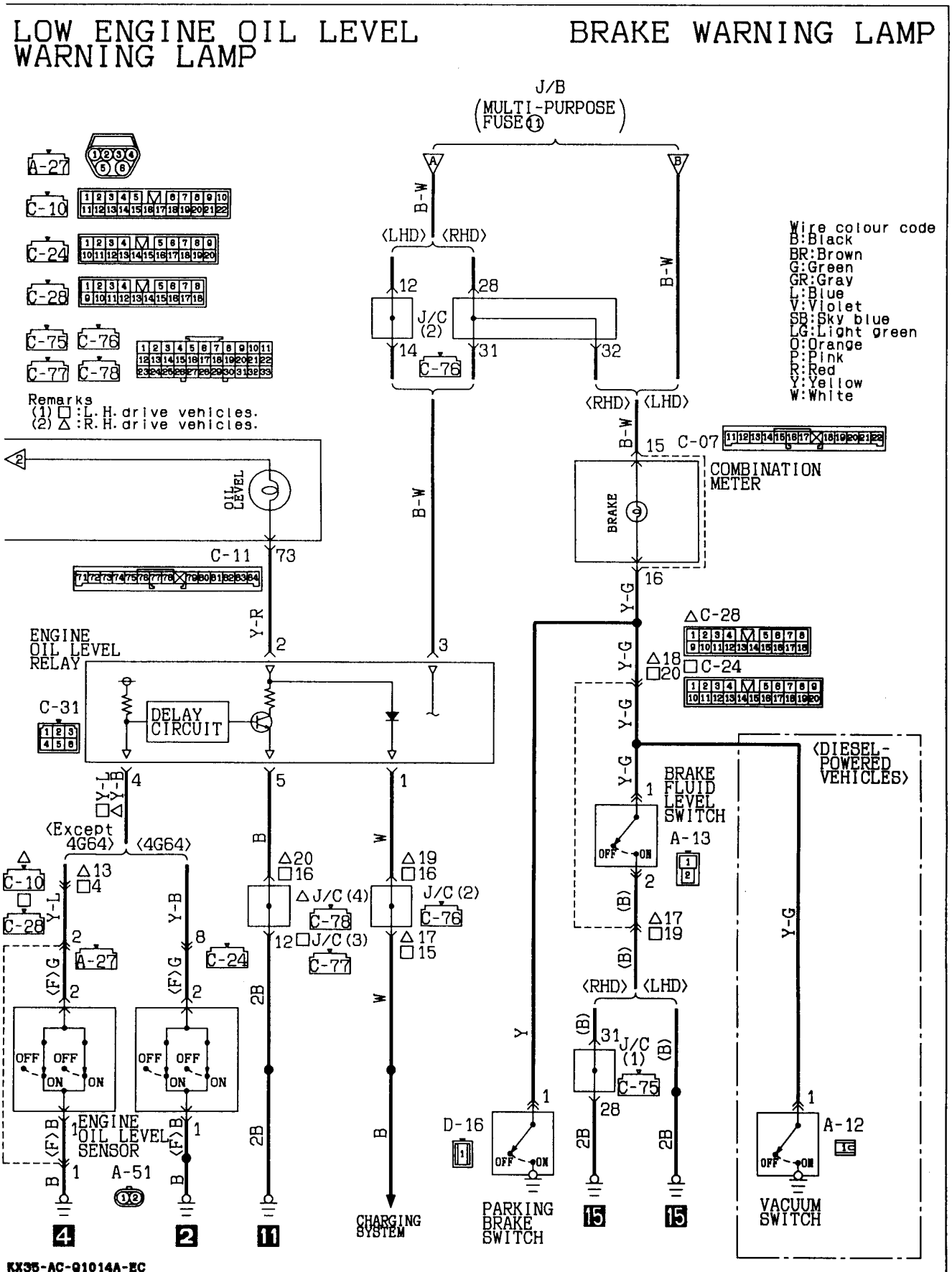


Wire colour code

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

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LOW FUEL WARNING LAMP
FUEL FILTER WARNING LAMP (Diesel-powered vehicles)
OIL PRESSURE WARNING LAMP
BRAKE WARNING LAMP
LOW ENGINE OIL WARNING LAMP (See P. 4A-154.)

OPERATION

〈Low fuel warning lamp〉

- When the fuel level goes down causing the level sensor to be exposed, with the ignition switch in the ON position, the resistance of level sensor becomes small. When this resistance goes down below the predetermined level, the fuel warning lamp lights up to warn the driver that the amount of fuel still available for use is small.

〈Fuel filter warning lamp (Diesel-powered vehicles)〉

- When the ignition switch is turned to the "ON" position (with the engine stopped), the fuel filter warning lamp comes on and the lamp switches OFF when the engine is started. This feature can be used to check for a failure of the lamp's bulb.
- When condensate has accumulated in the fuel filter, the water level switch turns ON causing the fuel filter warning lamp to light up.

〈Oil pressure warning lamp〉

- When the lubrication system fails after engine starting, resulting in the oil pressure failing to build up, the oil pressure switch turns ON causing the oil pressure warning lamp to light up.

〈Brake warning lamp〉

- When the brake fluid level goes down below a predetermined level or parking brake lever pulled, with the ignition switch in the ON position, the brake fluid level sensor is activated or the parking brake switch is turned ON, causing the brake warning lamp to light up.
- On diesel-powered vehicles, when the brake booster vaccum line fails, the vacuum switch is turned ON causing the brake warning lamp to light up.

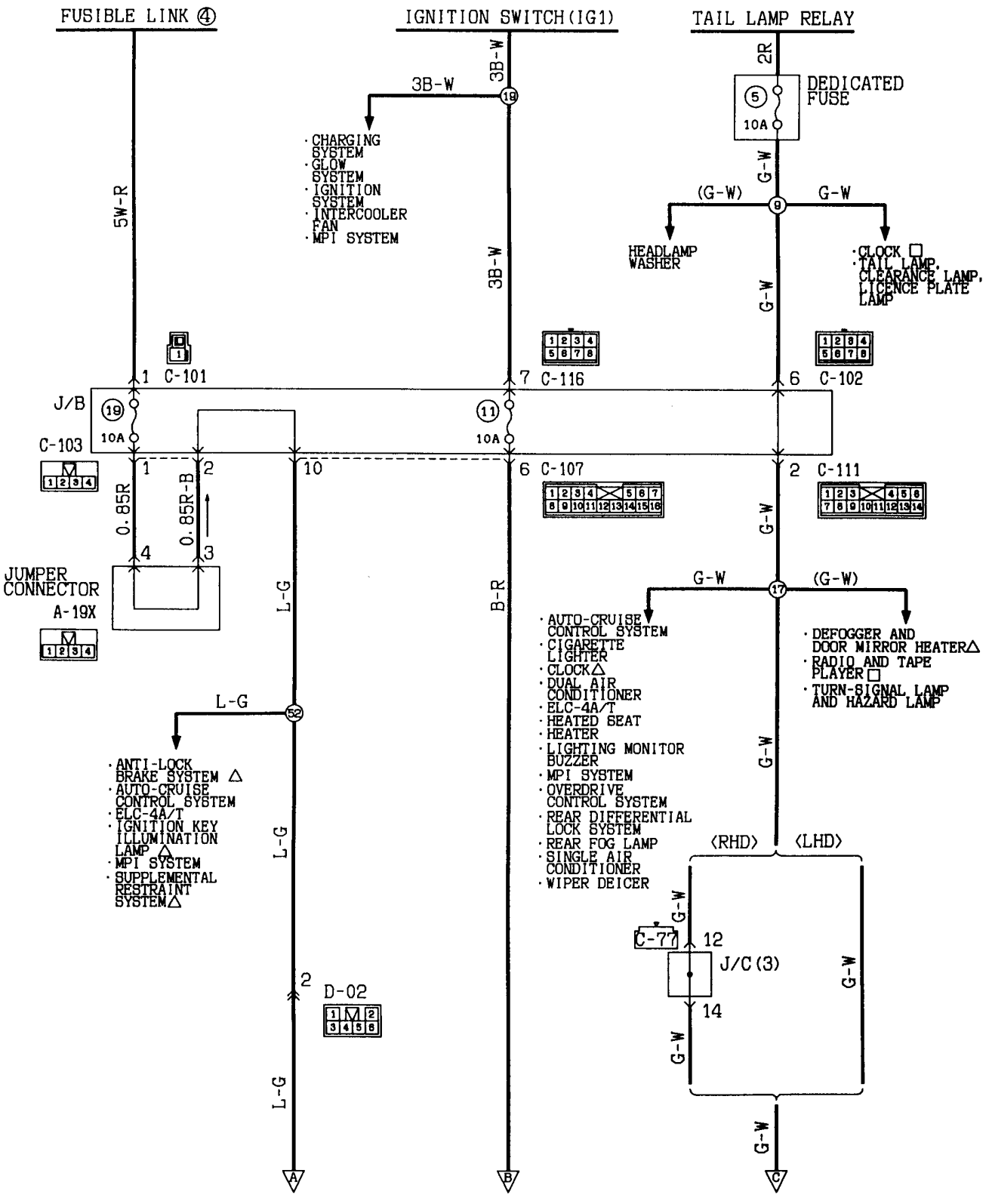
〈Low engine oil warning lamp〉

- When the ignition switch is turned to the "ON" position (in the state where the engine is stopped), electric current will flow to terminal "L" of the alternator through the multi-purpose fuse No. ⑪, low engine oil warning lamp and engine oil level relay and the low engine oil warning lamp will also light up.
- When the engine starts, the charging voltage will be applied to the terminal "L" of the alternator. Therefore, the low engine oil warning lamp will go out.
- When the engine oil temperature rises to approx. 55°C (131°F), the engine oil level sensor (TEMP) provided in the oil pan will be turned off.
- When the engine oil amount in the oil pan drops below the set level in this state, the engine oil level sensor (LEVEL) will be turned off to apply the voltage to the delay circuit.
- If the "OFF" state continues for approx. 20 seconds or more, the power transistor will be turned on to light the low engine oil warning lamp to indicate a shortage of engine oil.

Remark
The delay circuit is provided to prevent the low engine oil warning lamp from going on even if the engine oil level sensor is temporarily turned off due to cornering or other running conditions of the vehicle.

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MULTI-METER
Without electronic compass



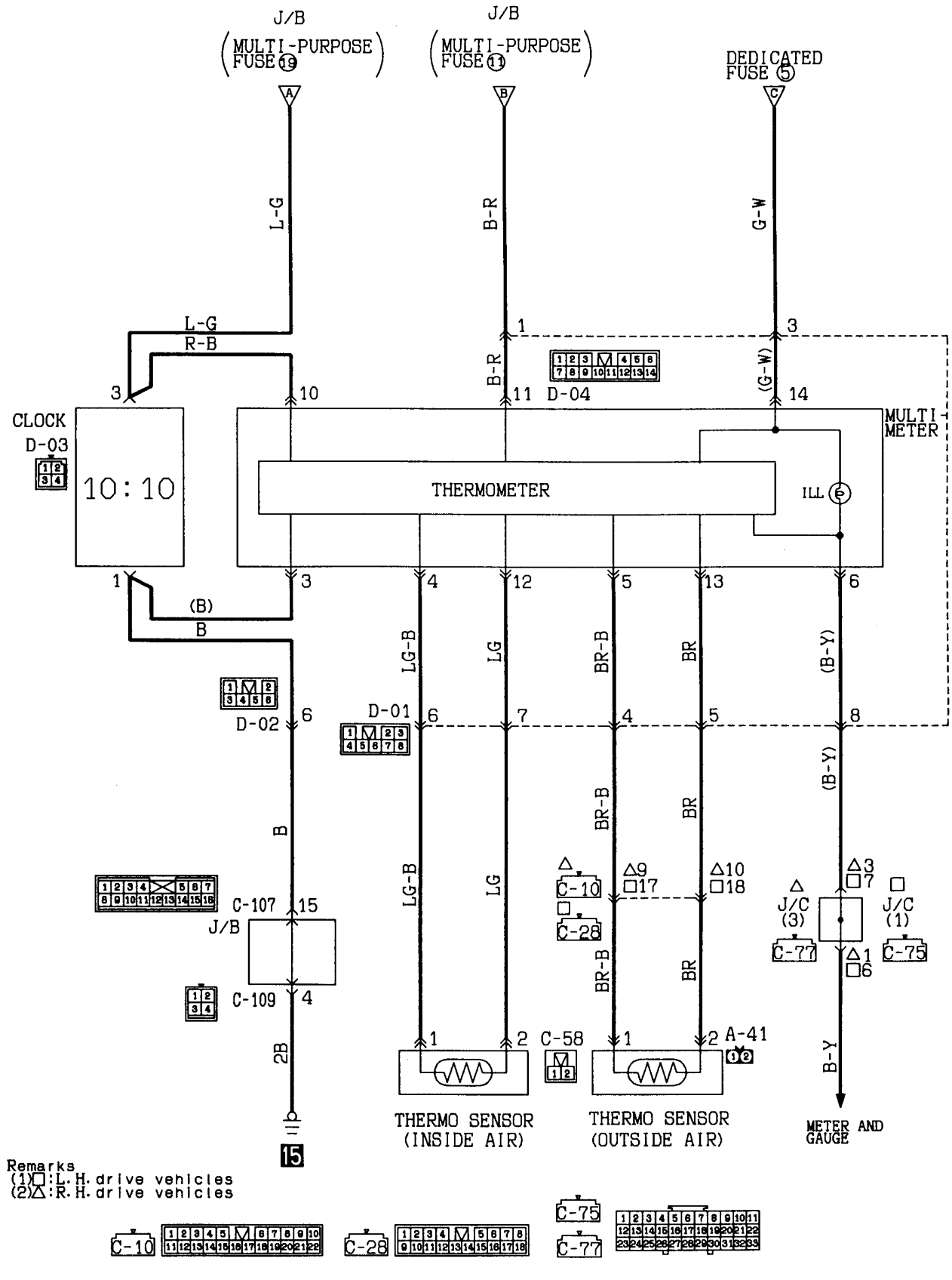
Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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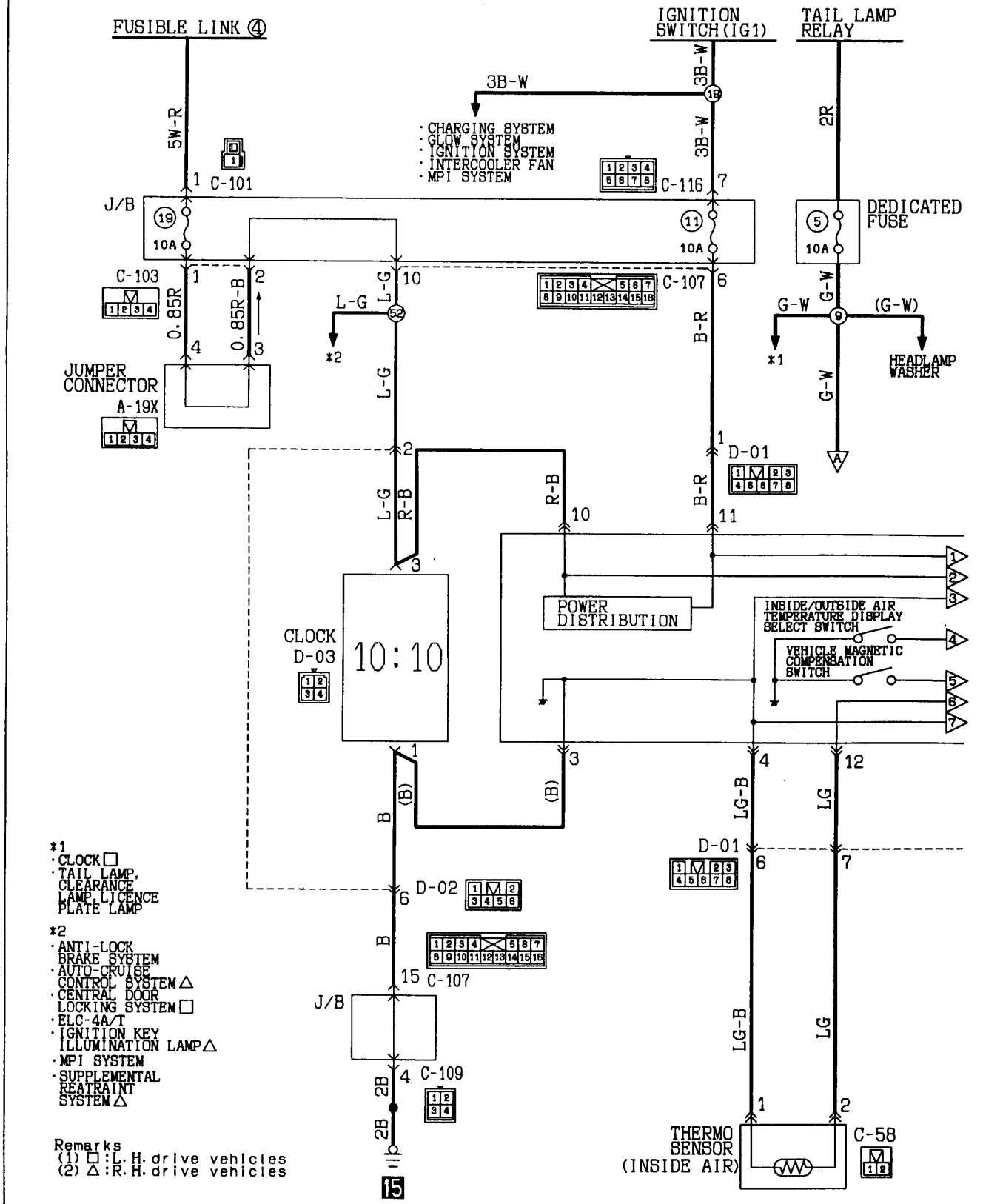
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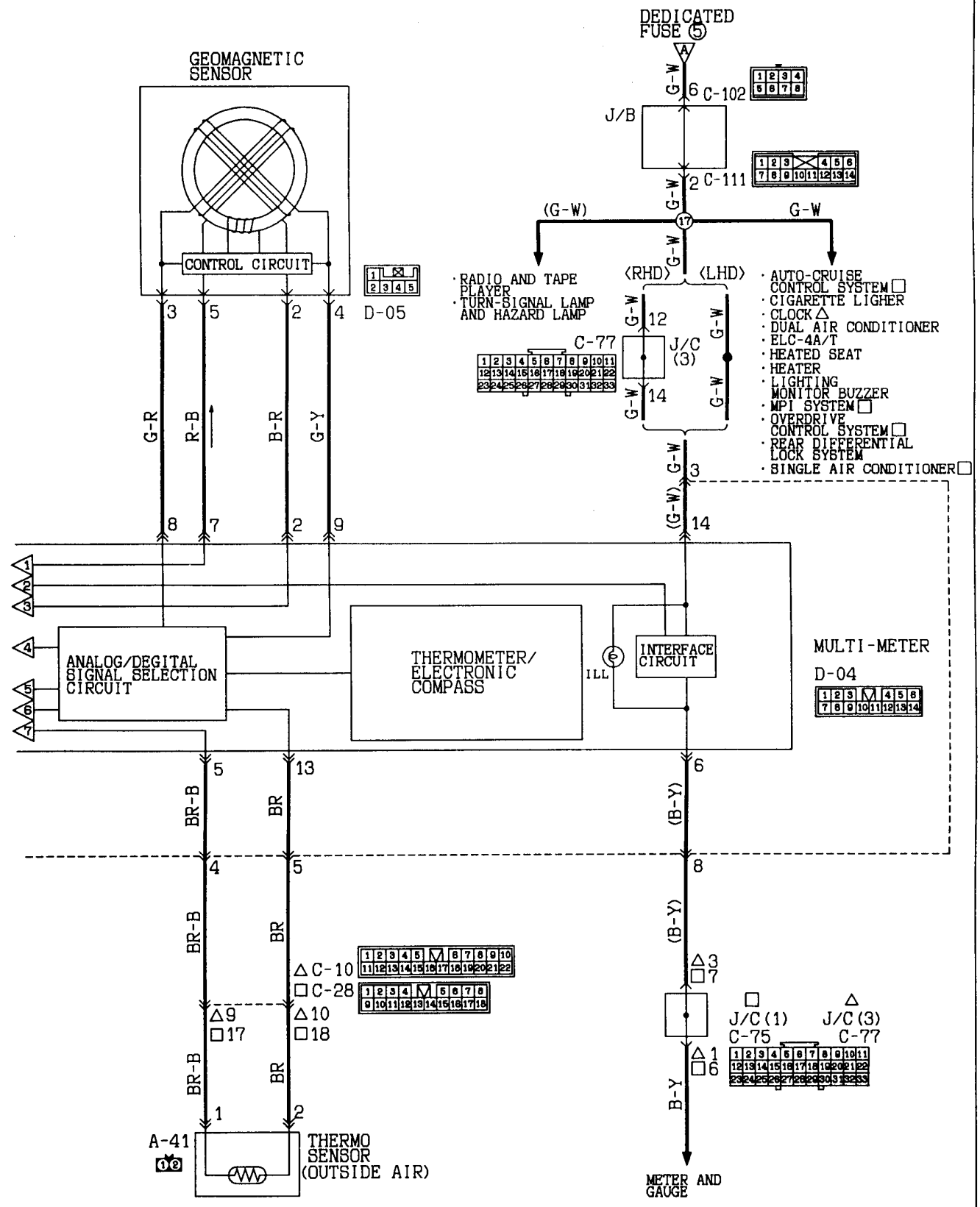
MULTI-METER
With electronic compass



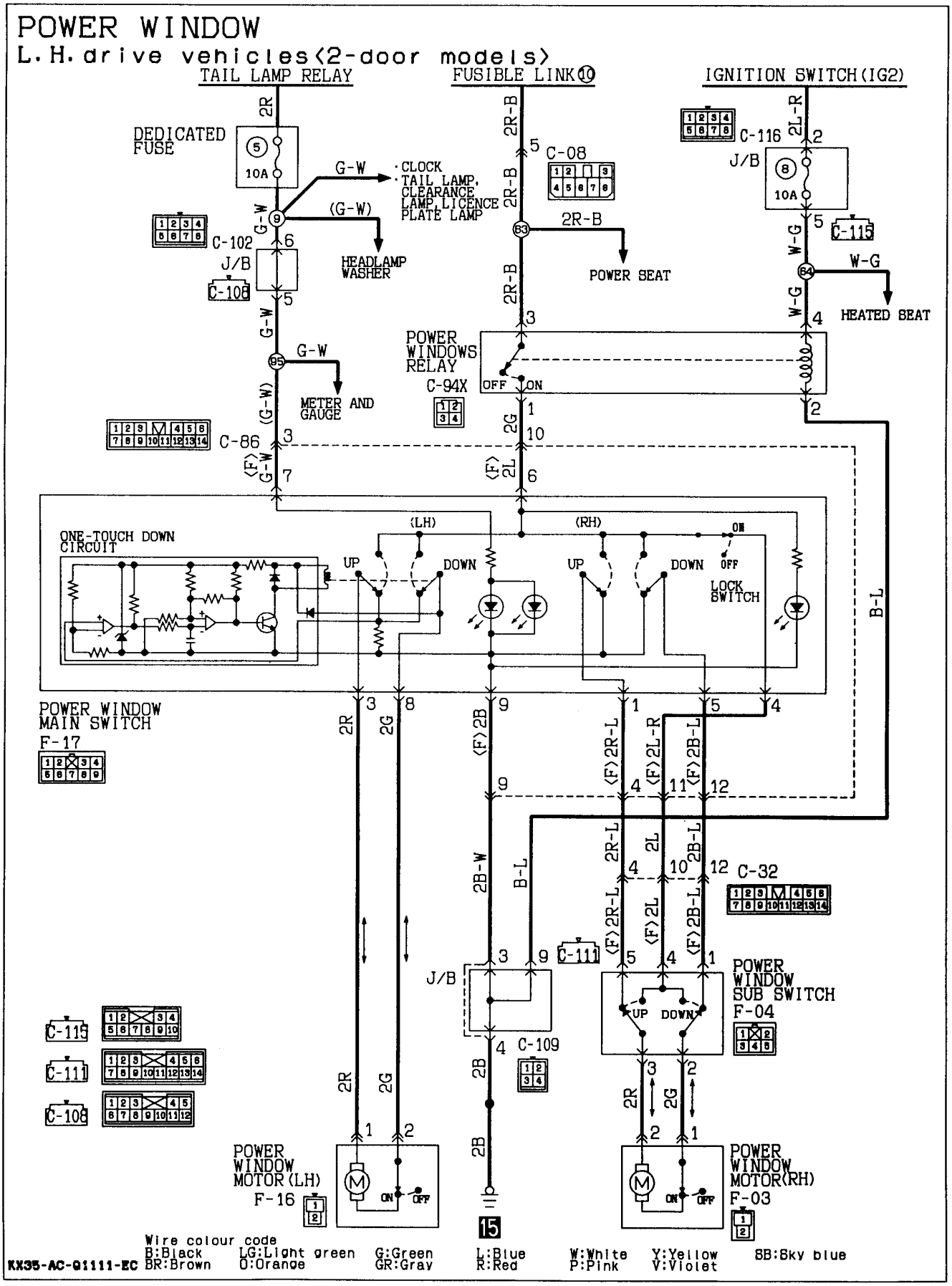
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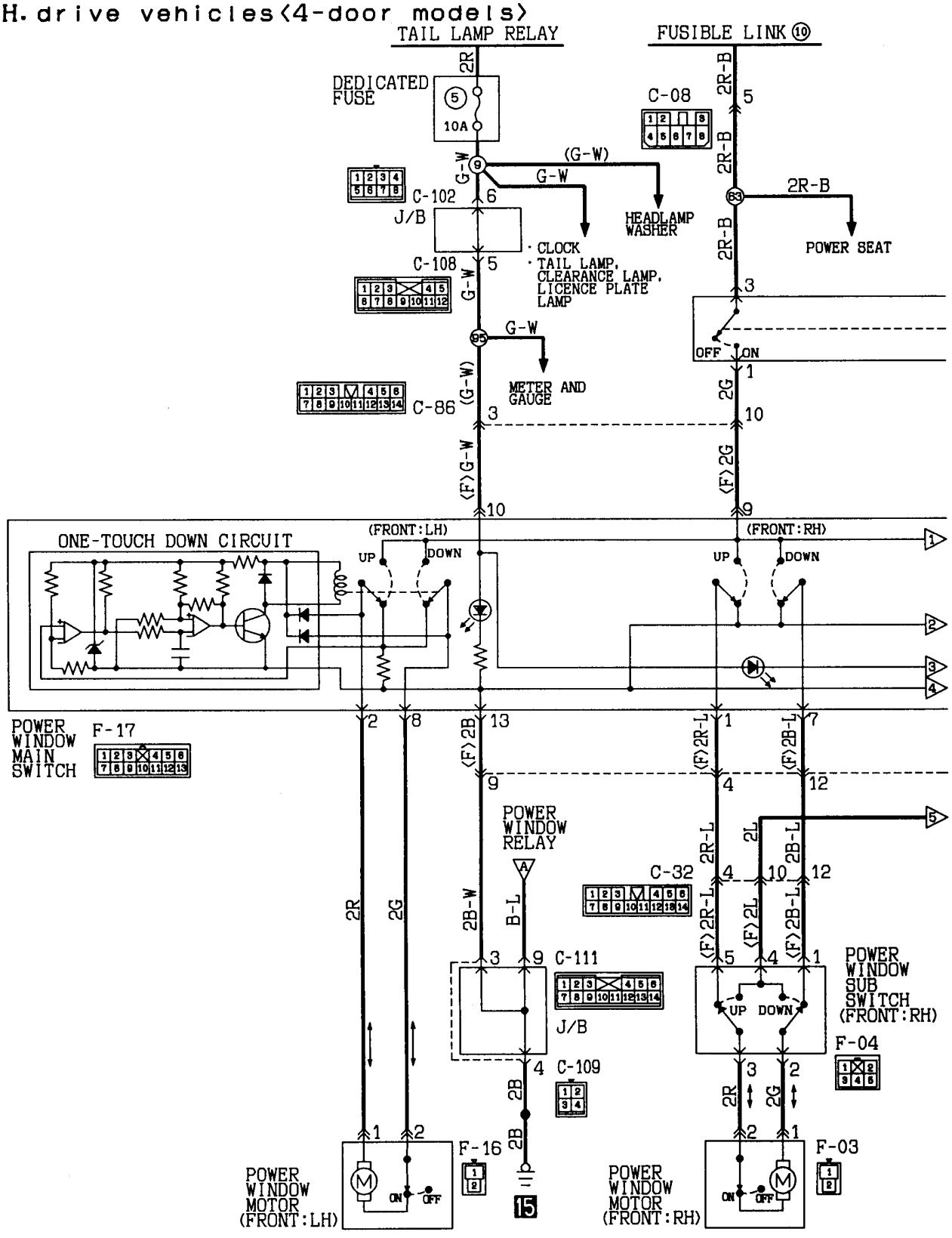
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POWER WINDOW

L.H. drive vehicles〈4-door models〉



Wire colour code

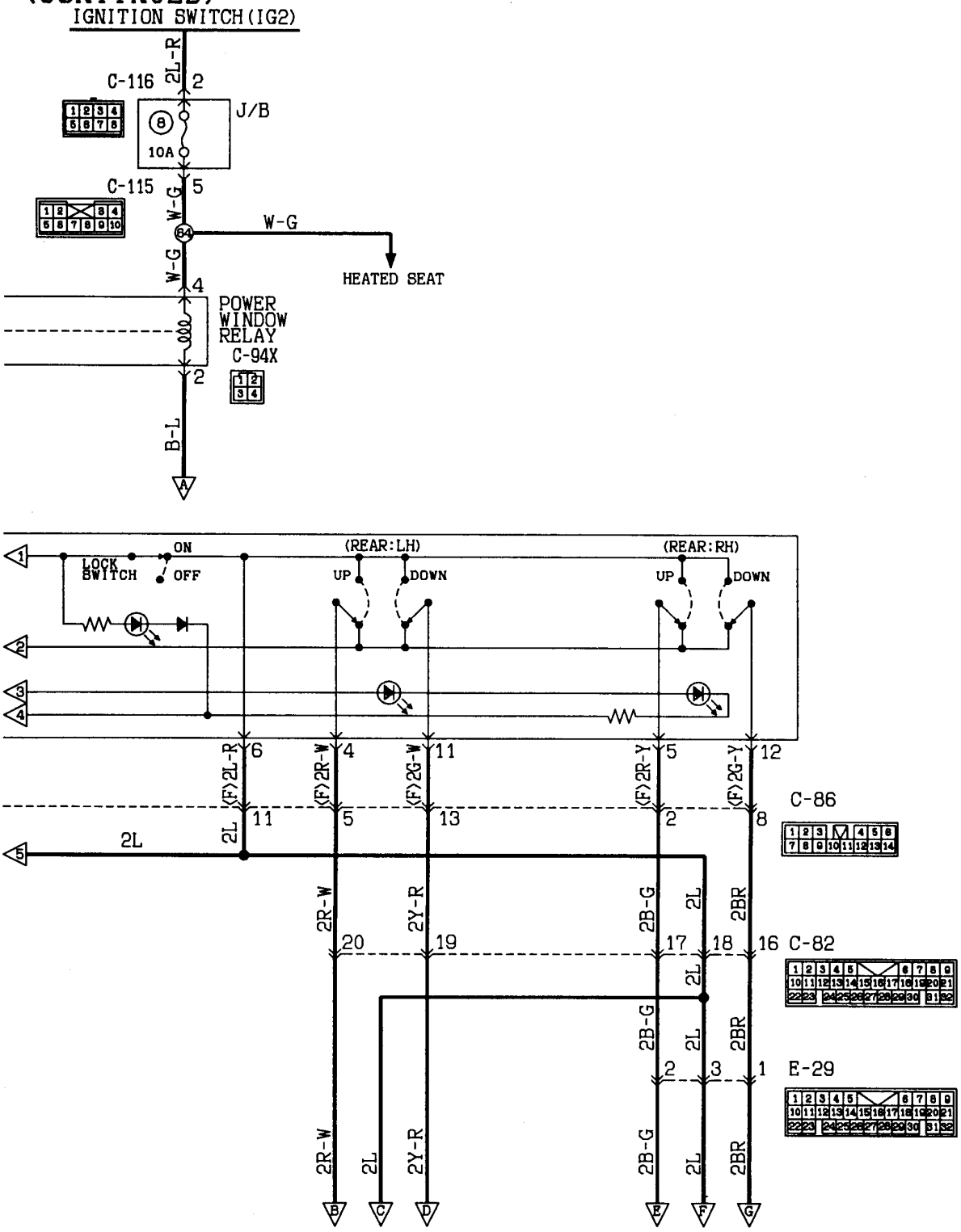
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

KX35-AC-91112-EC

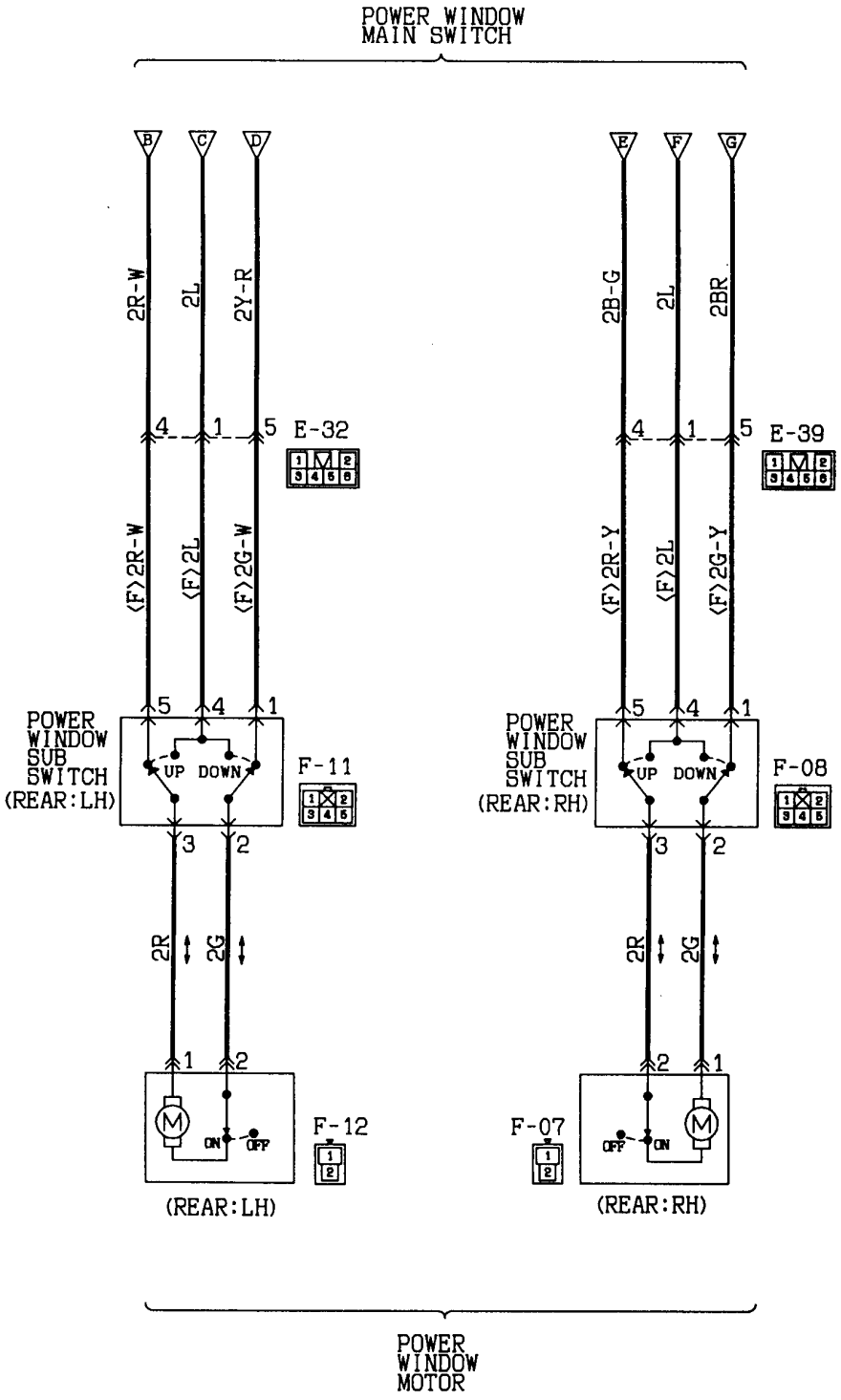
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POWER WINDOW〈L.H.drive vehicles(4-door models)〉 (CONTINUED)



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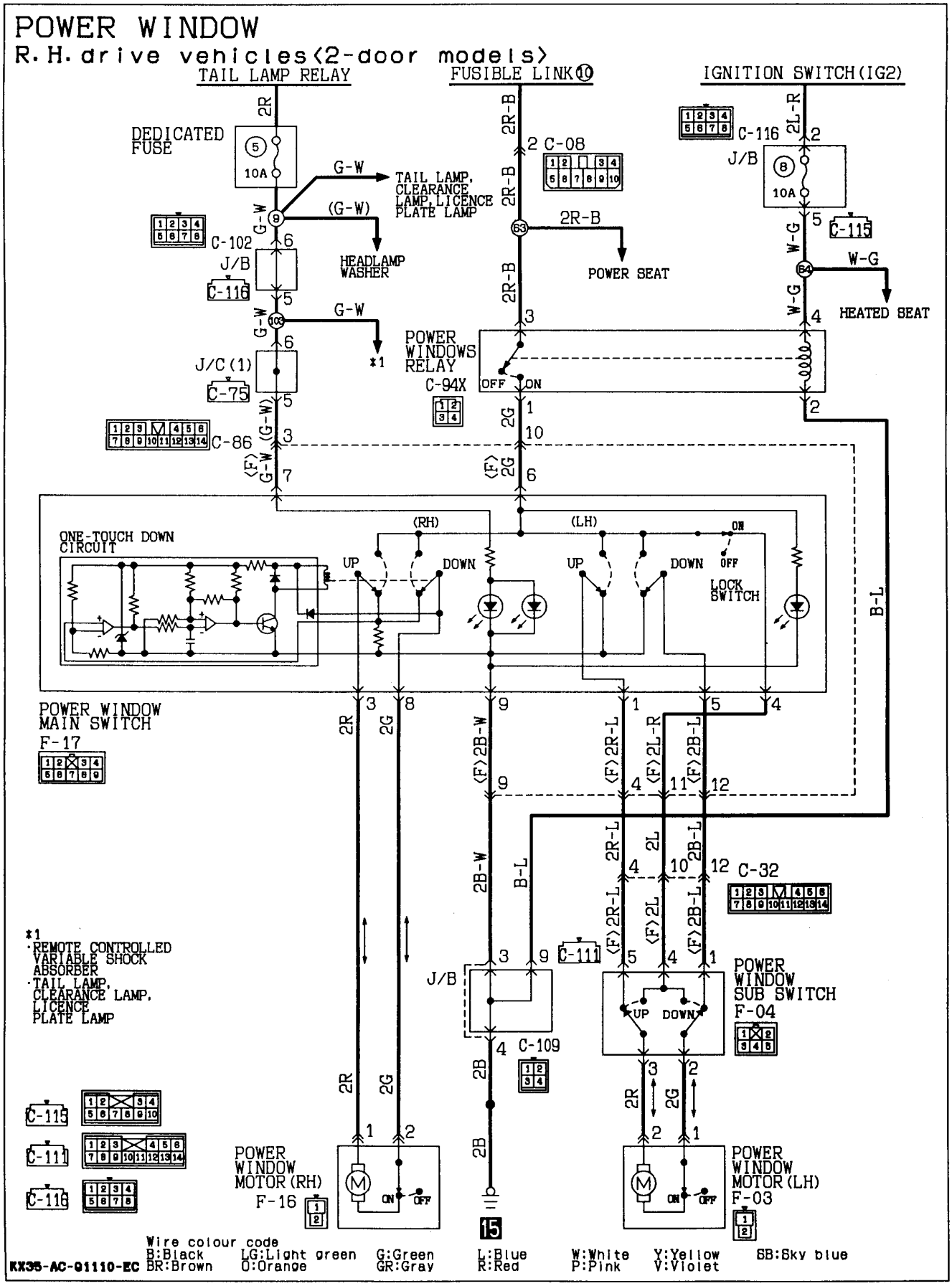
Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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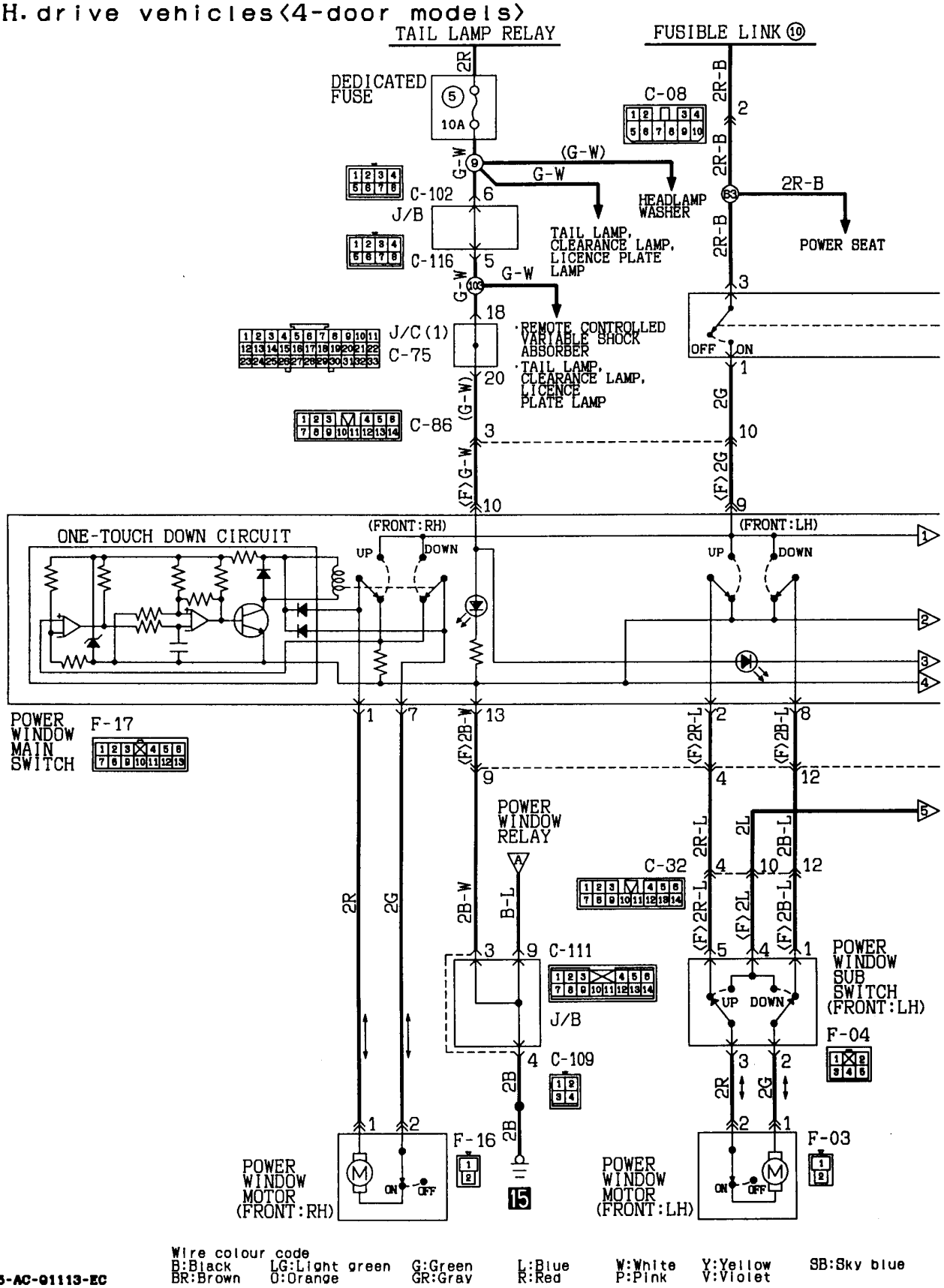


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POWER WINDOW

R.H. drive vehicles〈4-door models〉



Wire colour code

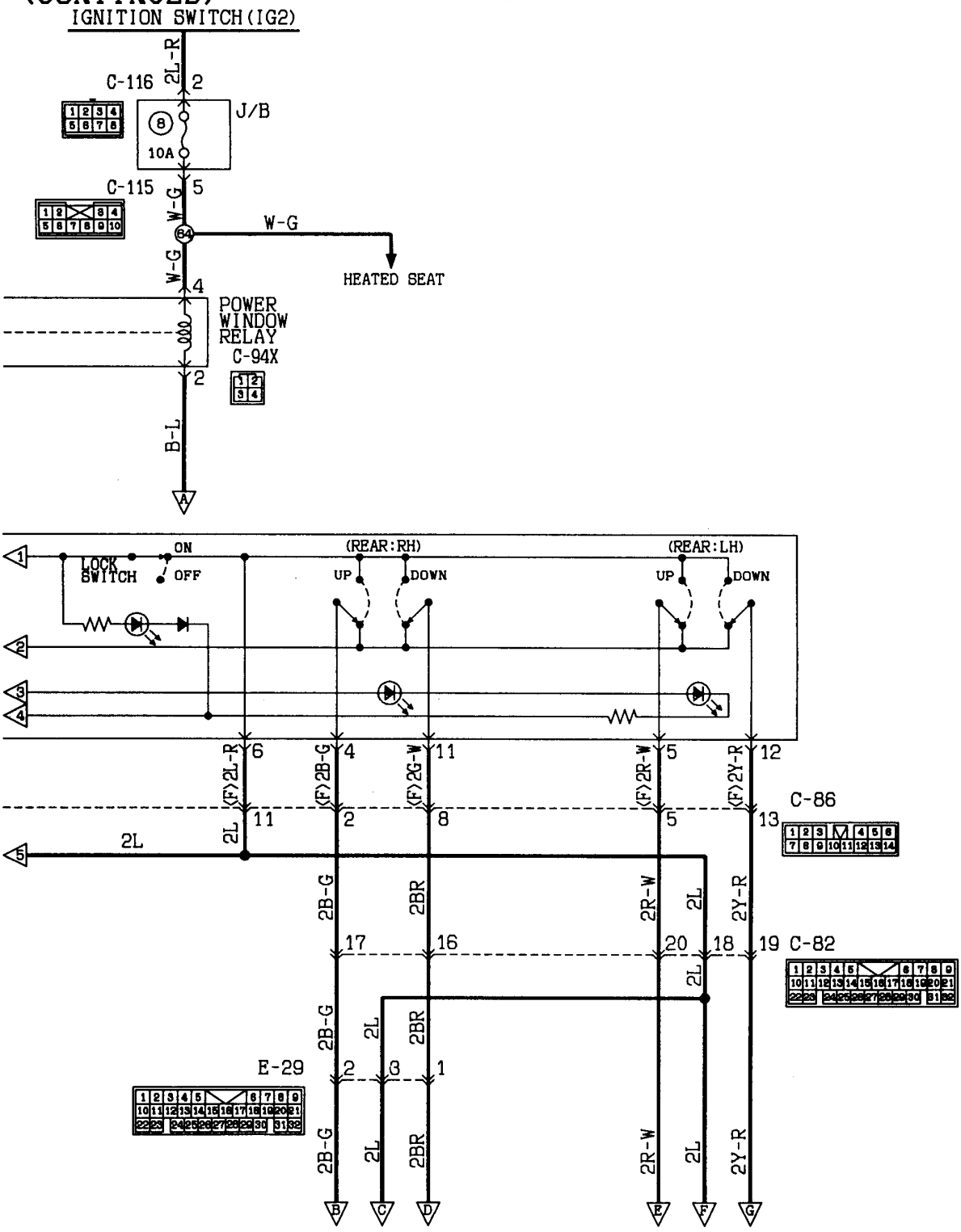
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KX35-AC-01113-EC

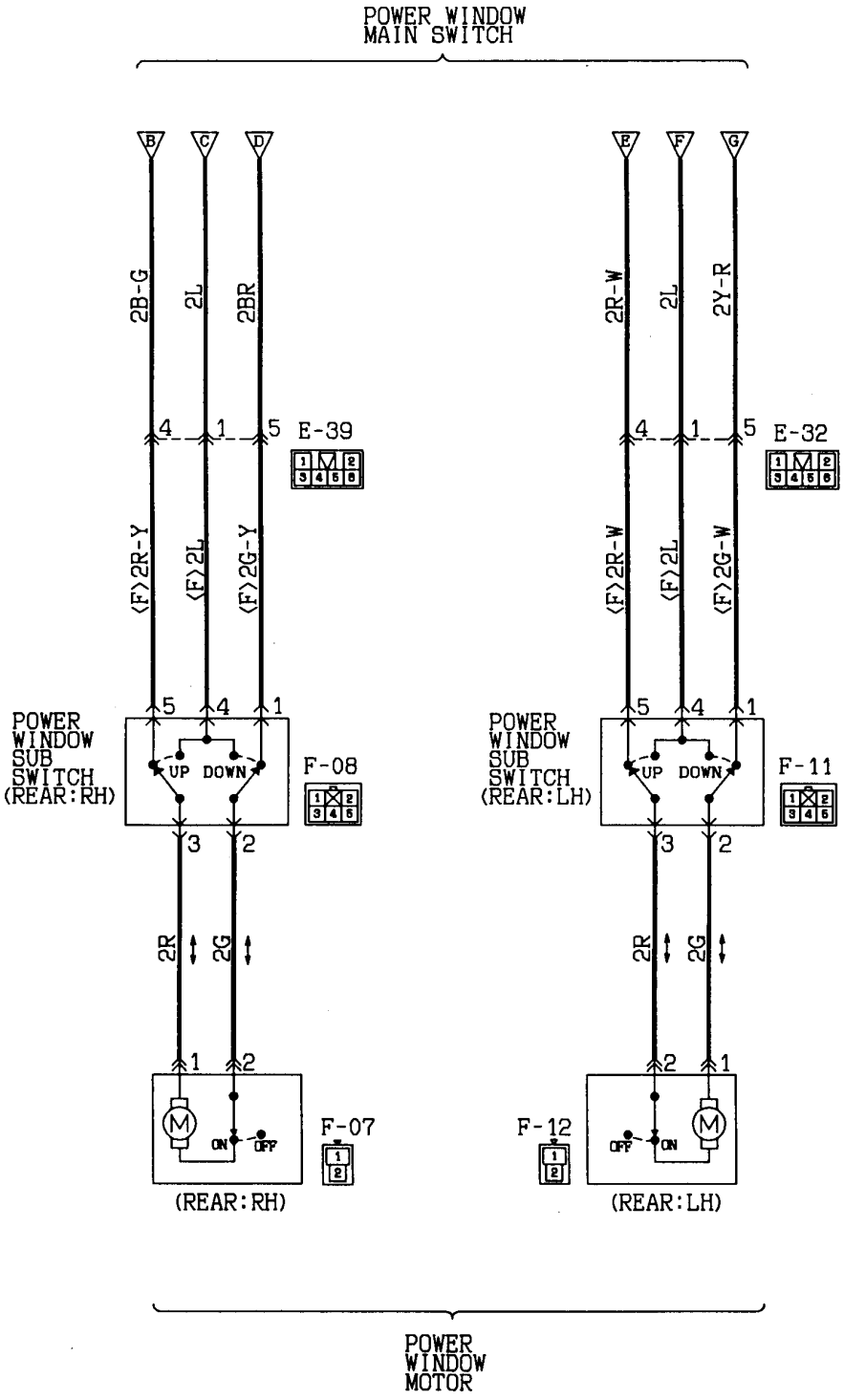
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POWER WINDOW〈R.H. drive vehicles(4-door models)〉 (CONTINUED)



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Wire colour code

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

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POWER WINDOW (See P. 4A-162, 163, 166, 167.)

OPERATION

- When the power window (main or sub) switch is depressed (UP or DOWN) with the ignition switch in the ON position, current flows through fusible link No. ⑩ to the power window motor. This energizes the power window motor causing the door window glass to open or close.
- When the DOWN side of the power window main switch (driver's seat side switch) is depressed all the way, it is locked in the depressed position and the power window motor is operated until the door glass is fully opened.
- When the power window lock switch is placed in the LOCK (OFF) position, operating a switch other than the ones for the driver's side and front passenger's side window (main) does not cause the power window motor to be operated.
- The power window motor is provided with a circuit breaker that protects the motor from damage caused by overcurrent.
  Reference: Circuit breaker characteristics
  Restricts the motor at room temperature [20 to 25°C (68 to 77°F)];
  Opens following 4-to-40-sec. initial energization time;
  Resets within 60 seconds if left open thereafter.

TROUBLESHOOTING HINTS

1. All door glasses cannot be opened or closed.
   - Check fusible link No. ⑩.
   - Check multi-purpose fuse No. ⑧.
   - Check power window relay.
   - Check power window main switch.
2. Some door glass cannot be opened or closed.
   1) Neither power window main nor sub switch is activated.
      - Check power window main switch.
      - Check defective power window motor.
   2) Either power window main or sub switch is inoperative.
      - Check inoperative power window switch.
3. One-touch switch function is not operational.
   - Replace power window main switch.

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CENTRAL DOOR LOCKING SYSTEM (See P. 4A-172, 174.)

OPERATION

1. Operation with the inside lock knob on the driver's side (including door lock key operation).

- If the inside lock knob on the driver's side is locked (or unlocked), the switch in the front door lock actuator (driver's side) goes off (or on) and the lock side (or unlock side) relay in the door lock control unit goes on for 0.5 second and the actuators for all doors function.

2. Operation with the door lock key.

- If the door lock key (passenger's side) is turned to the lock side (or unlock side), the lock side (or unlock side) relay in the door lock control unit goes on for 0.5 second and the actuators for all doors function.

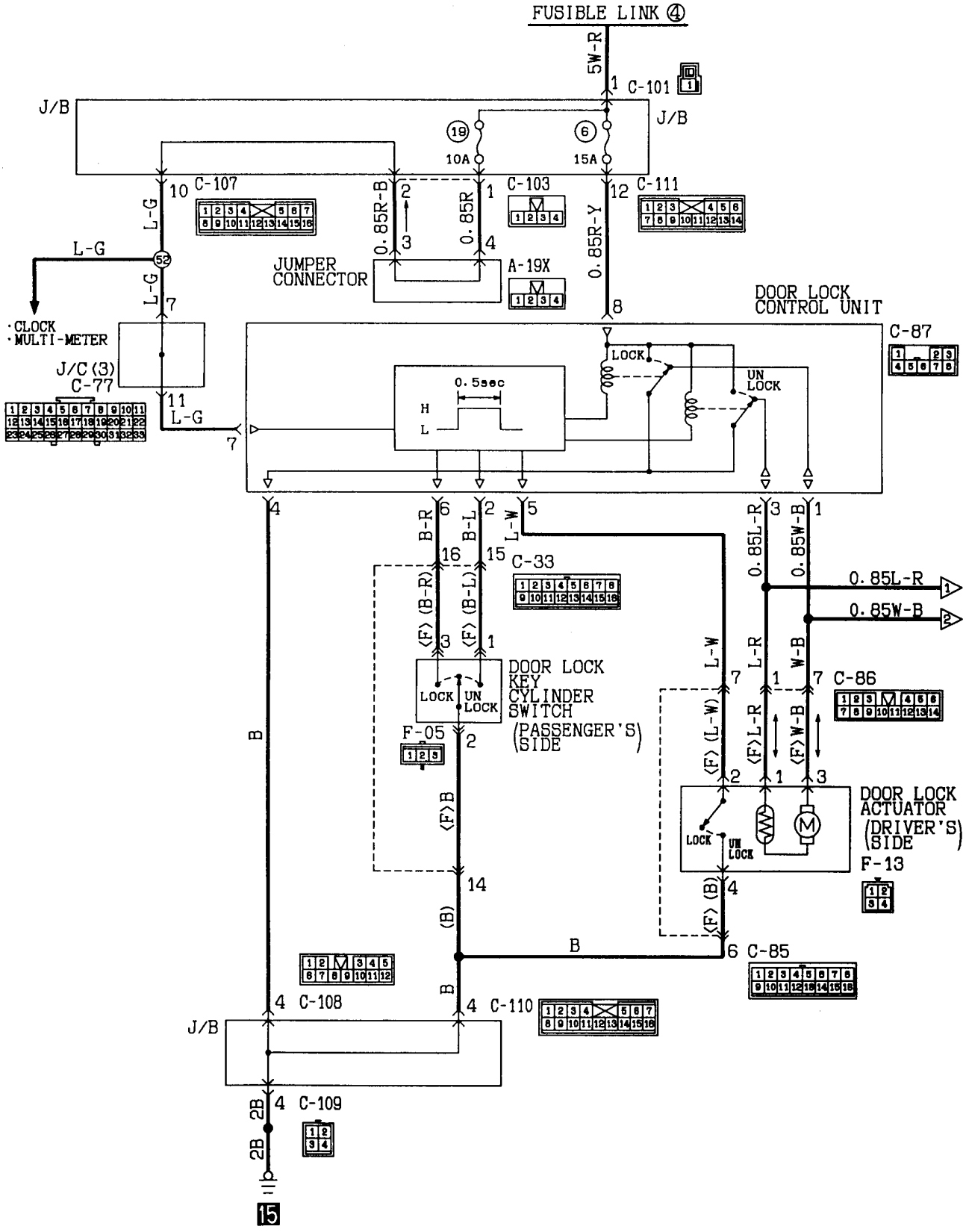
TROUBLESHOOTING HINTS

1. Any one of the door lock actuators is inoperative.
   - Check the defective door actuator.
2. Locking (or unlocking) is possible with the door lock key (passenger's side) but locking (or unlocking) is not possible with the inside lock knob on the driver's side (including door lock key operation).
   - Inspect the front door lock actuator (driver's side)
   - Inspect the door lock control unit.
3. Locking (or unlocking) is possible with the inside lock knob (including door lock key operation) on the driver's side but locking (or unlocking) is not possible with the door lock key (passenger's side).
   - Inspect the door lock key cylinder (passenger's side).
   - Inspect the door lock control unit.

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CENTRAL DOOR LOCKING SYSTEM

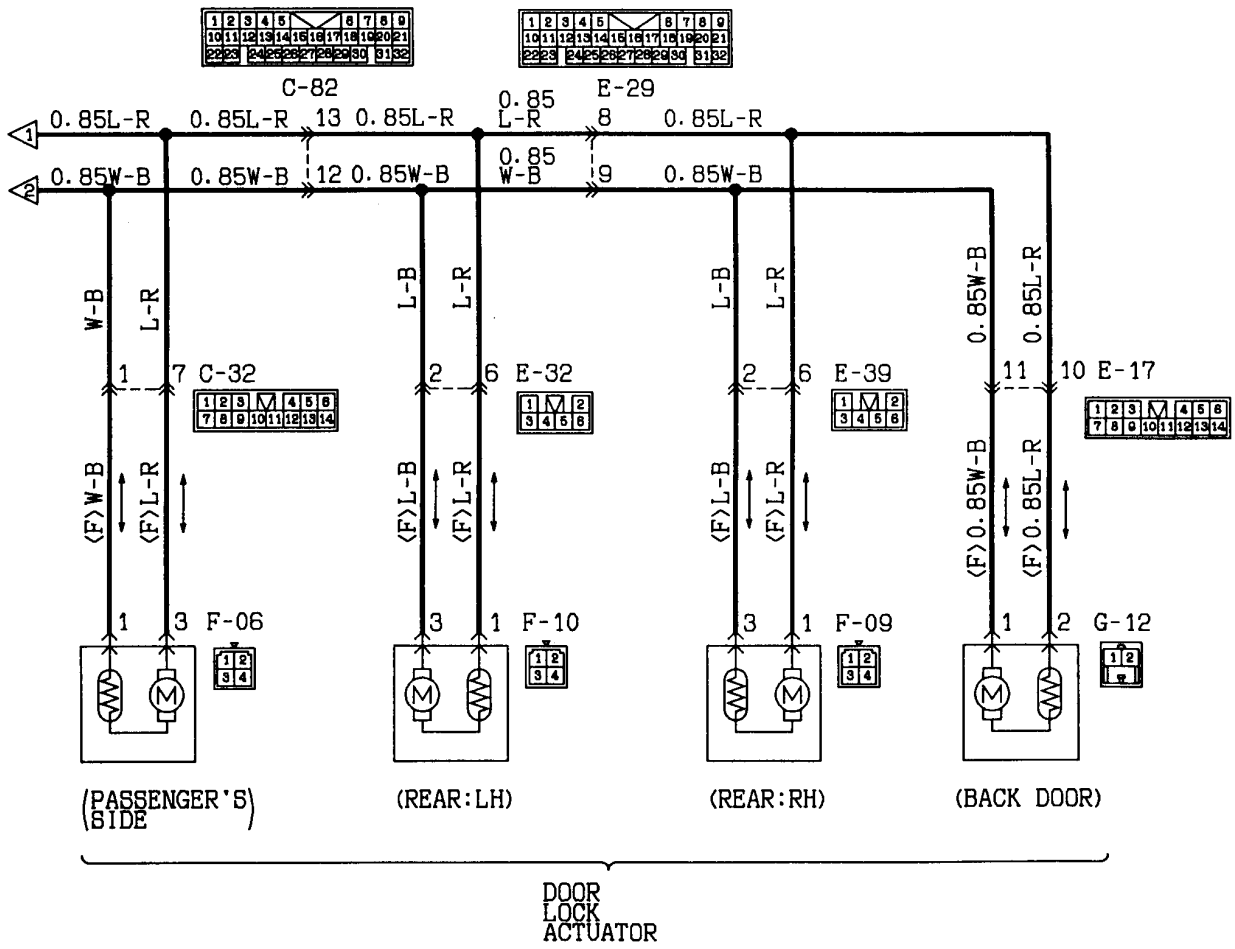
L.H. drive vehicles



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Wire colour code

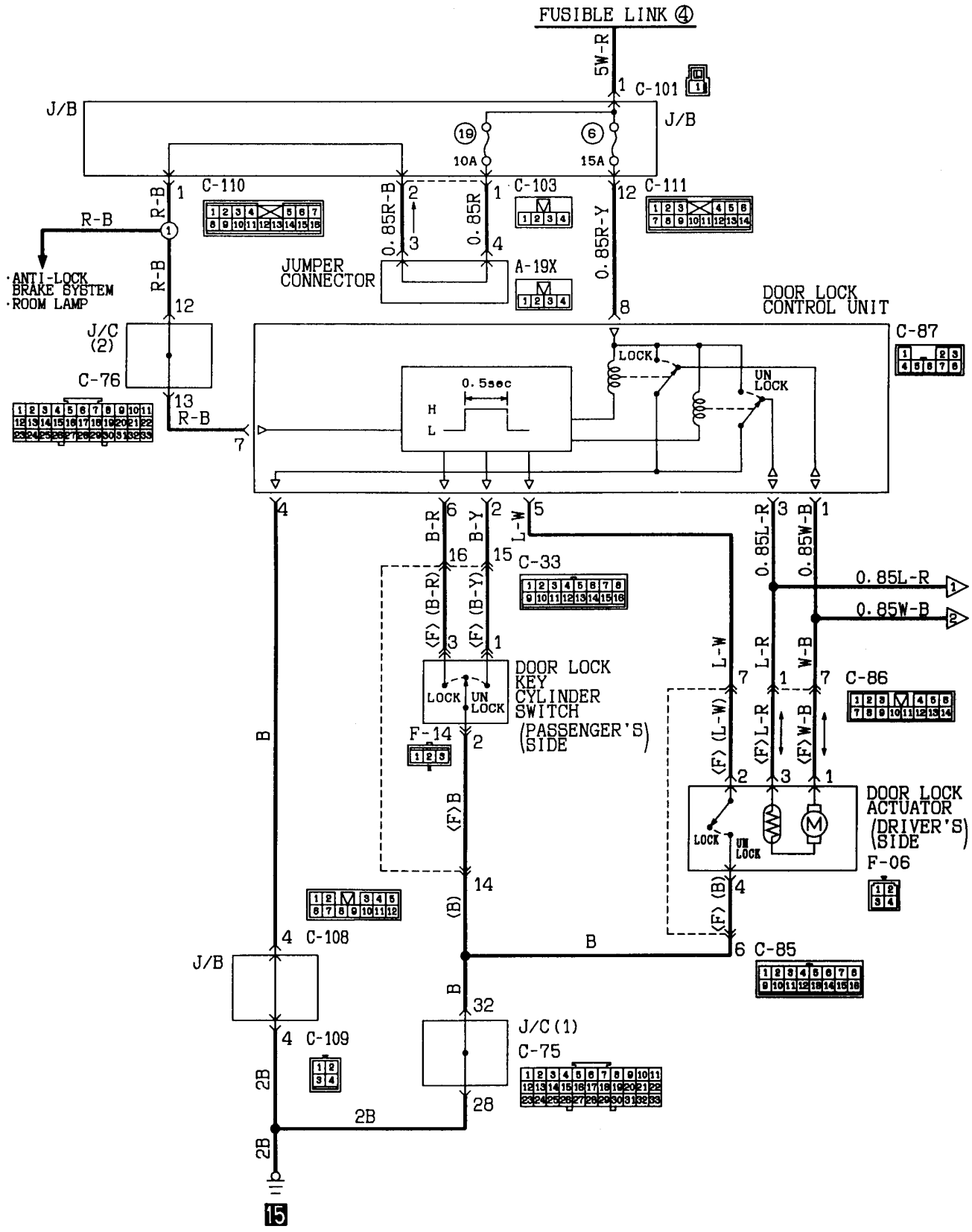
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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CENTRAL DOOR LOCKING SYSTEM

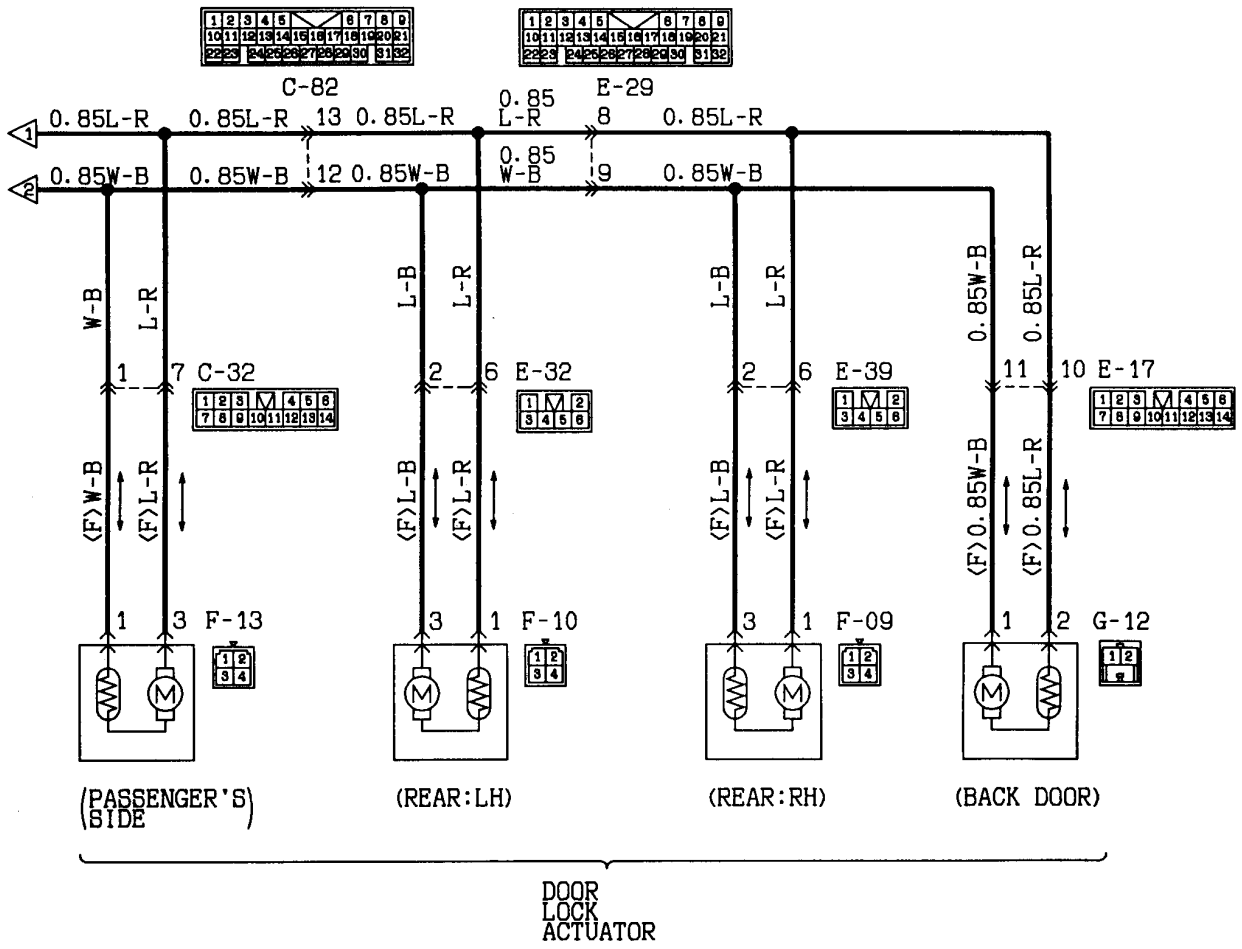
R.H. drive vehicles



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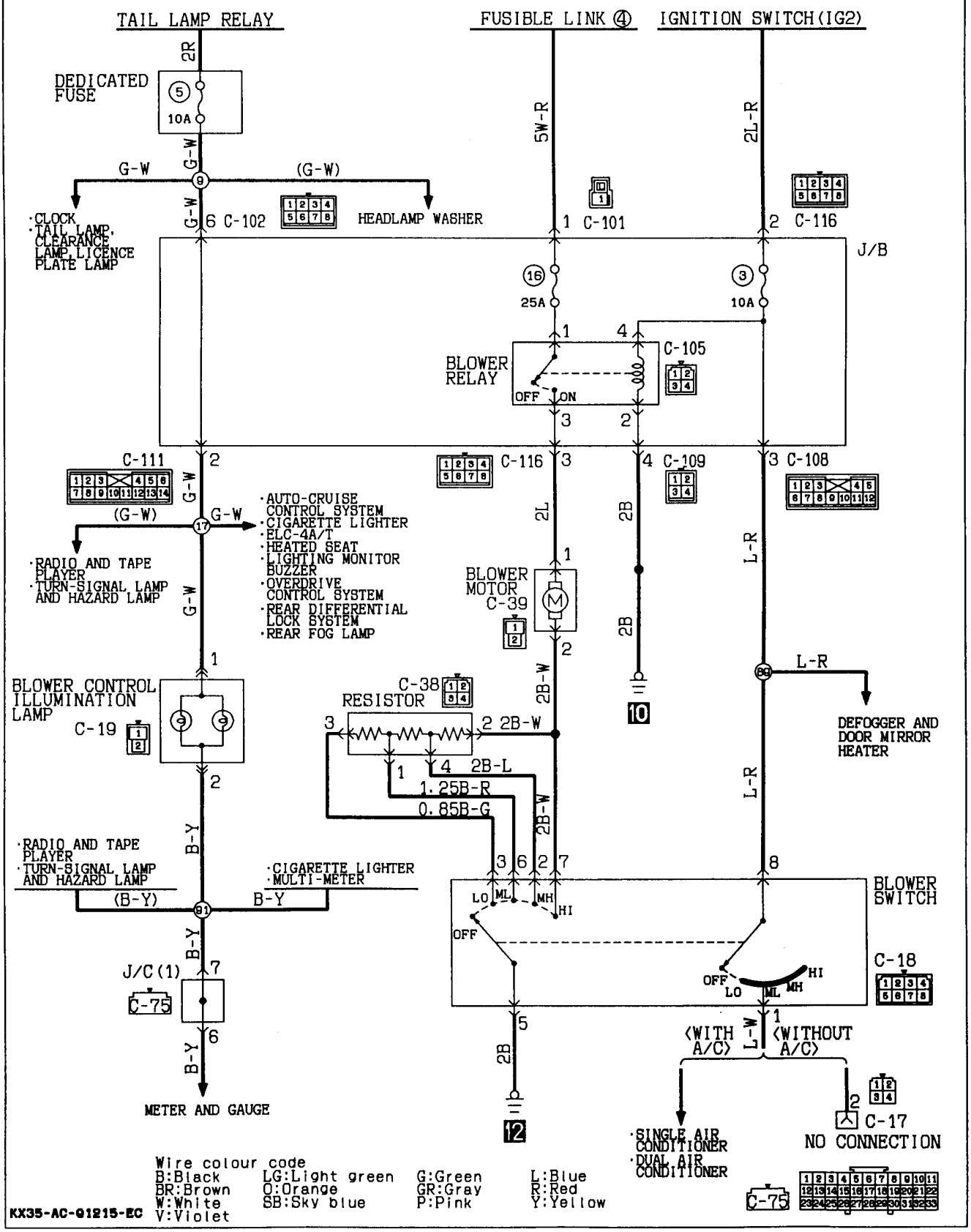
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HEATER

L.H. drive vehicles without rear heater

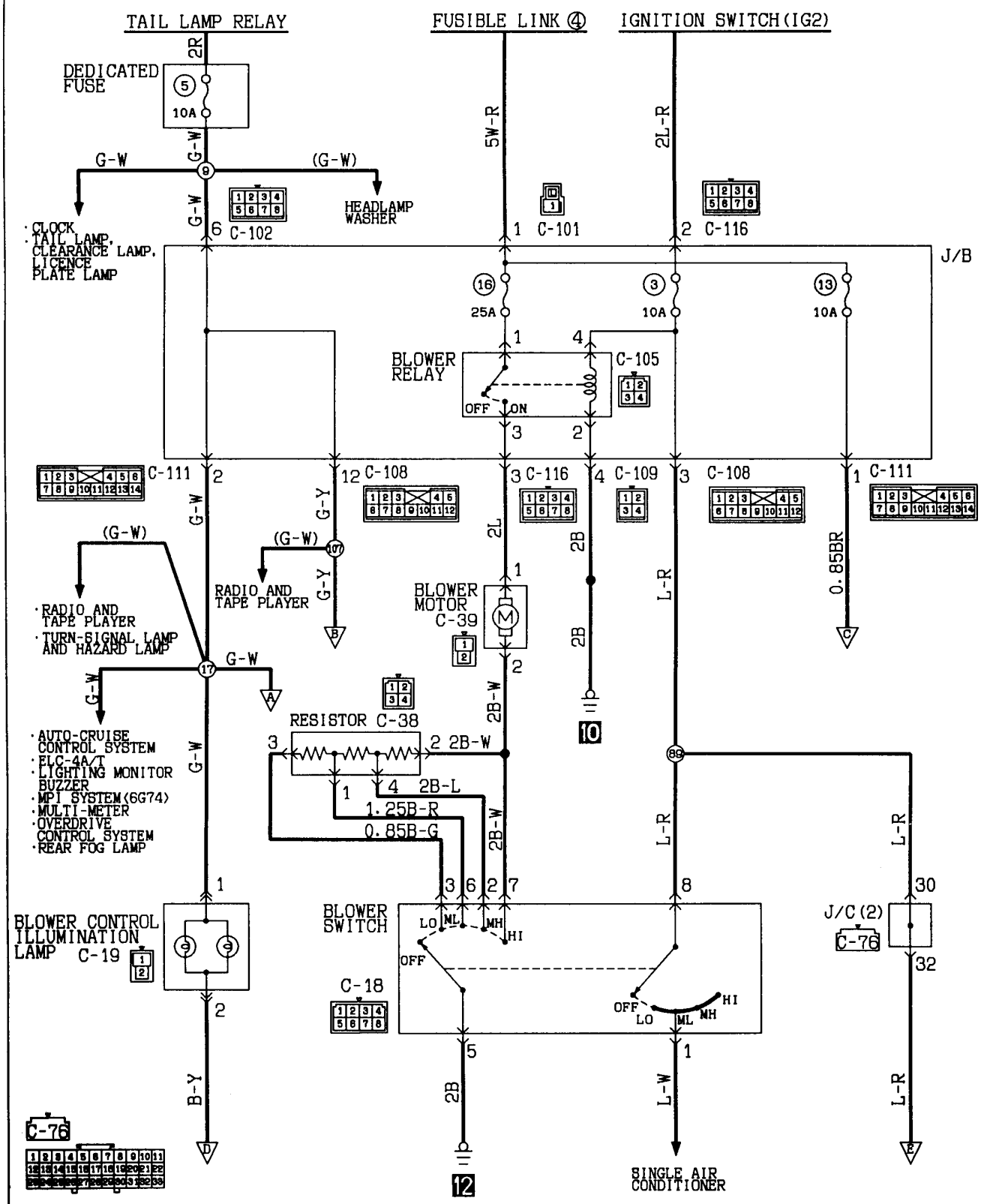


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HEATER

L.H. drive vehicles with rear heater〈without dual air conditioner〉



Wire colour code

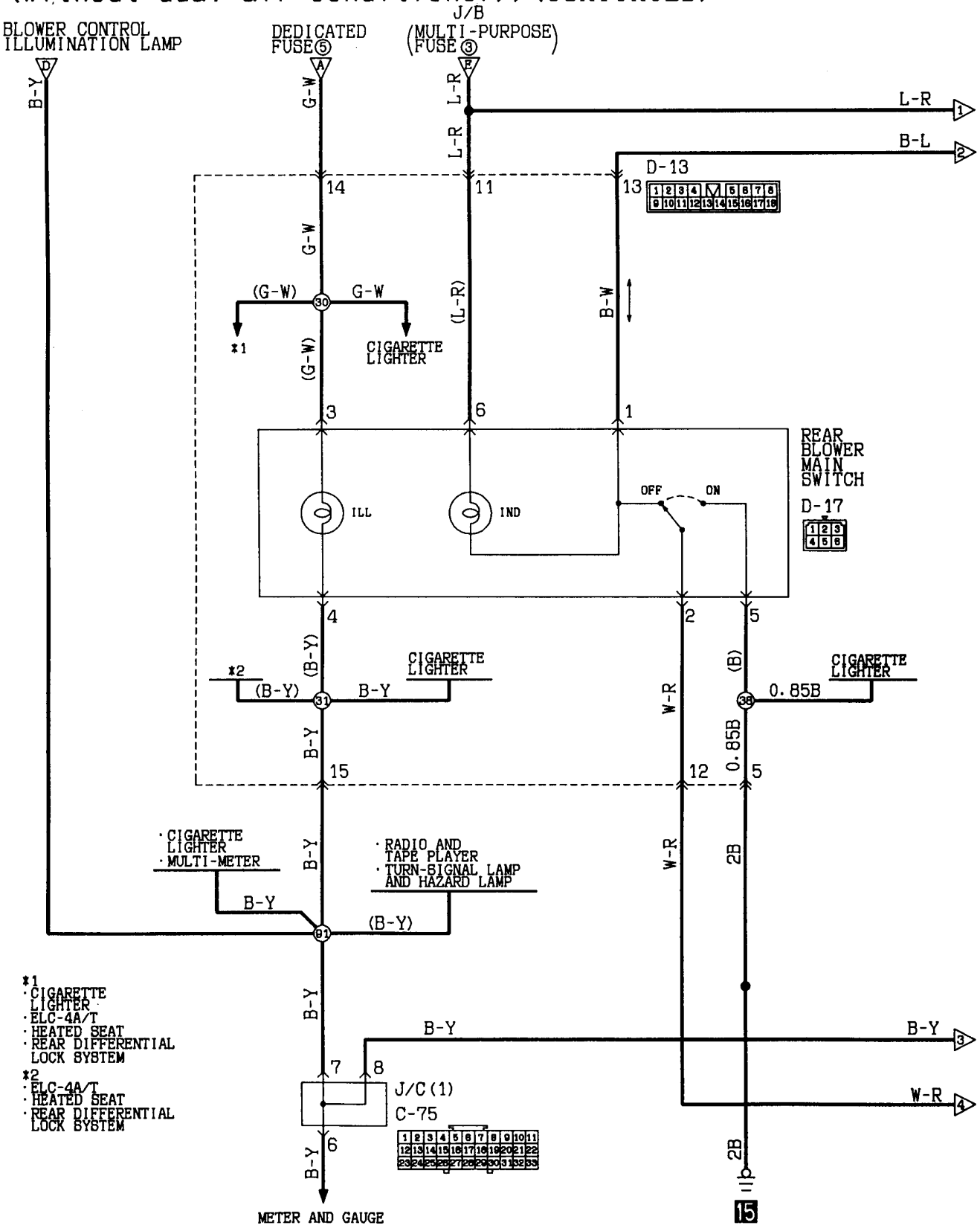
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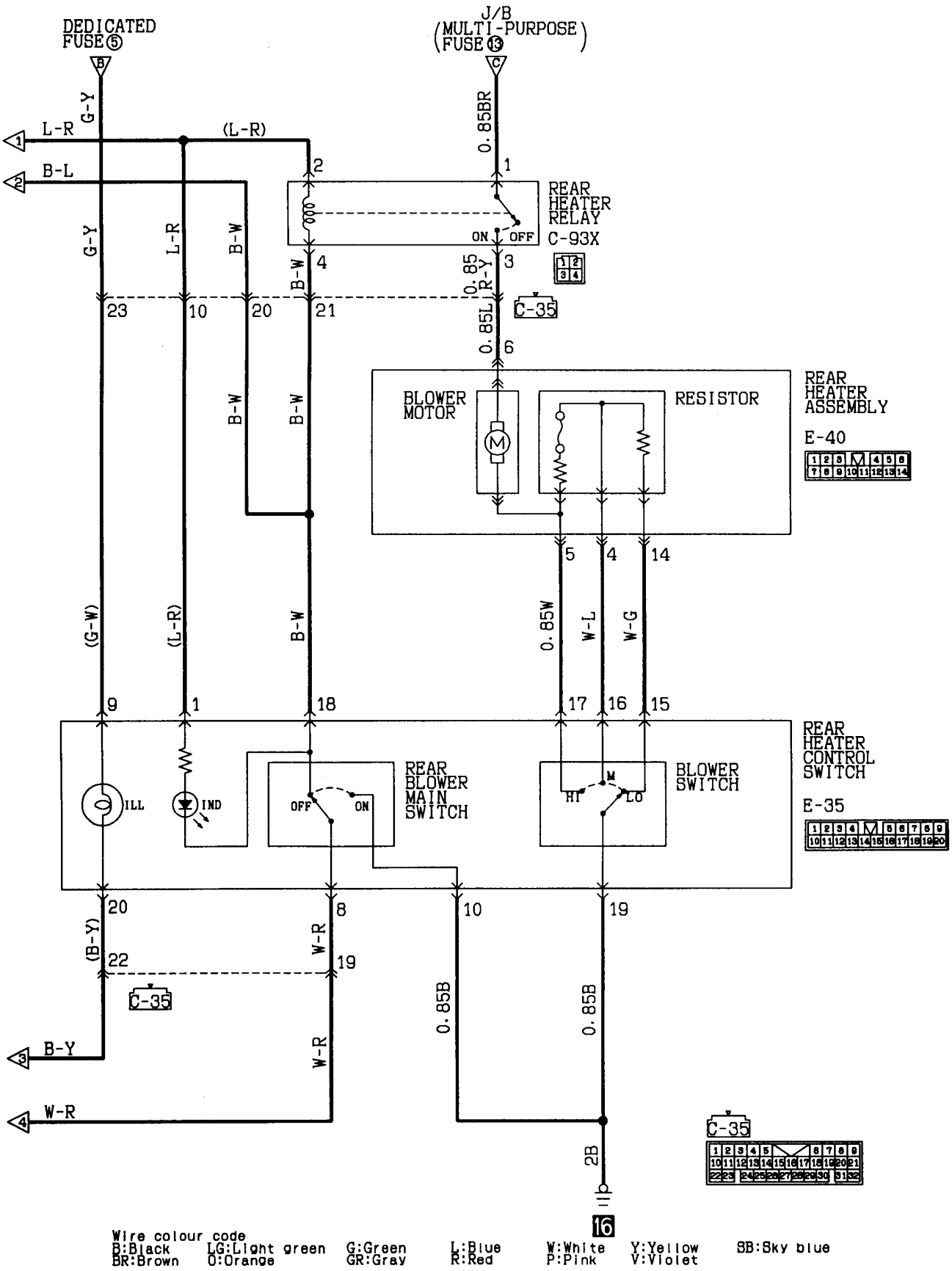
HEATER〈L.H.drive vehicles with rear heater (without dual air conditioner)〉(CONTINUED)



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Wire colour code

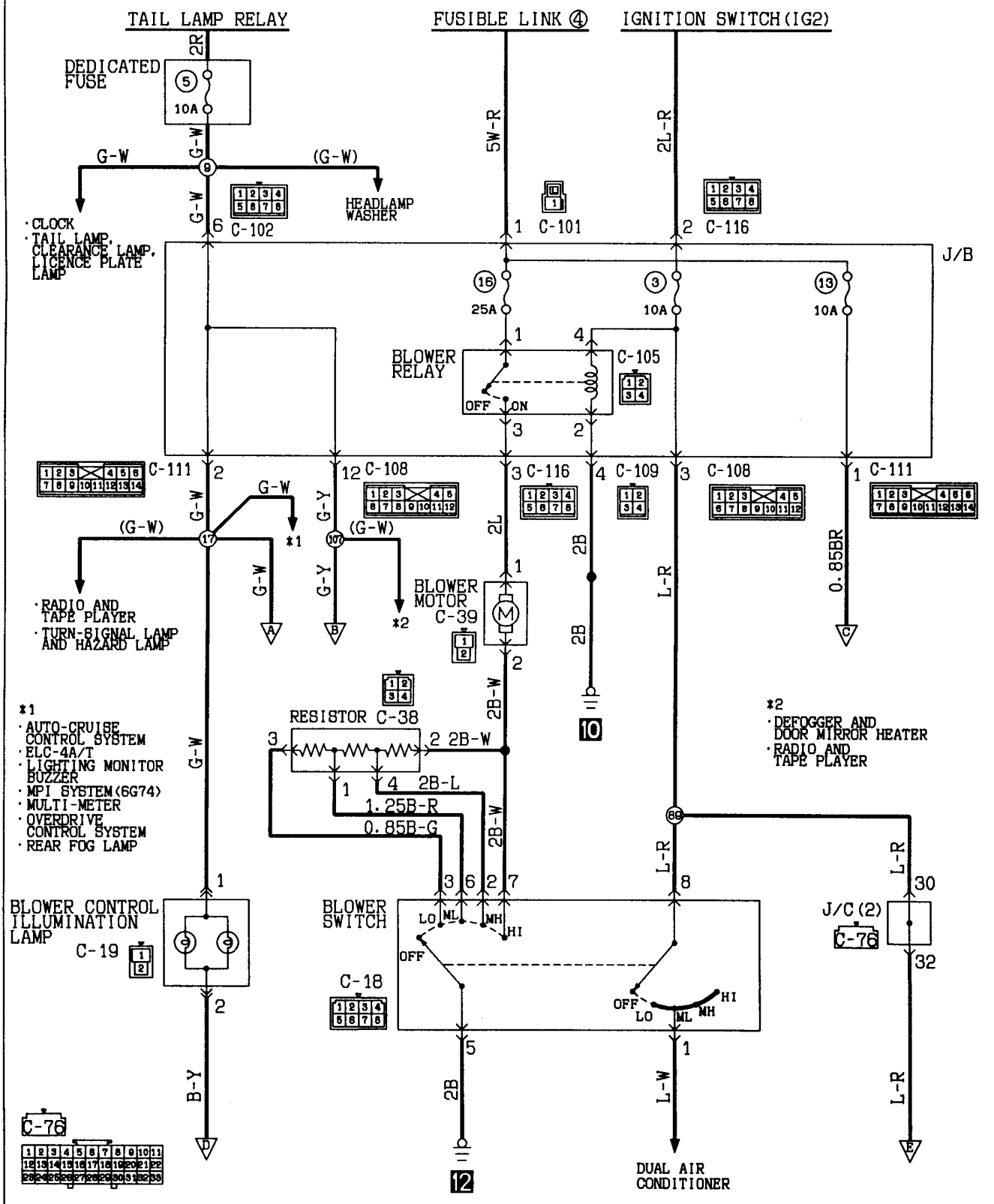
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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HEATER

L.H. drive vehicles with rear heater<with dual air conditioner>



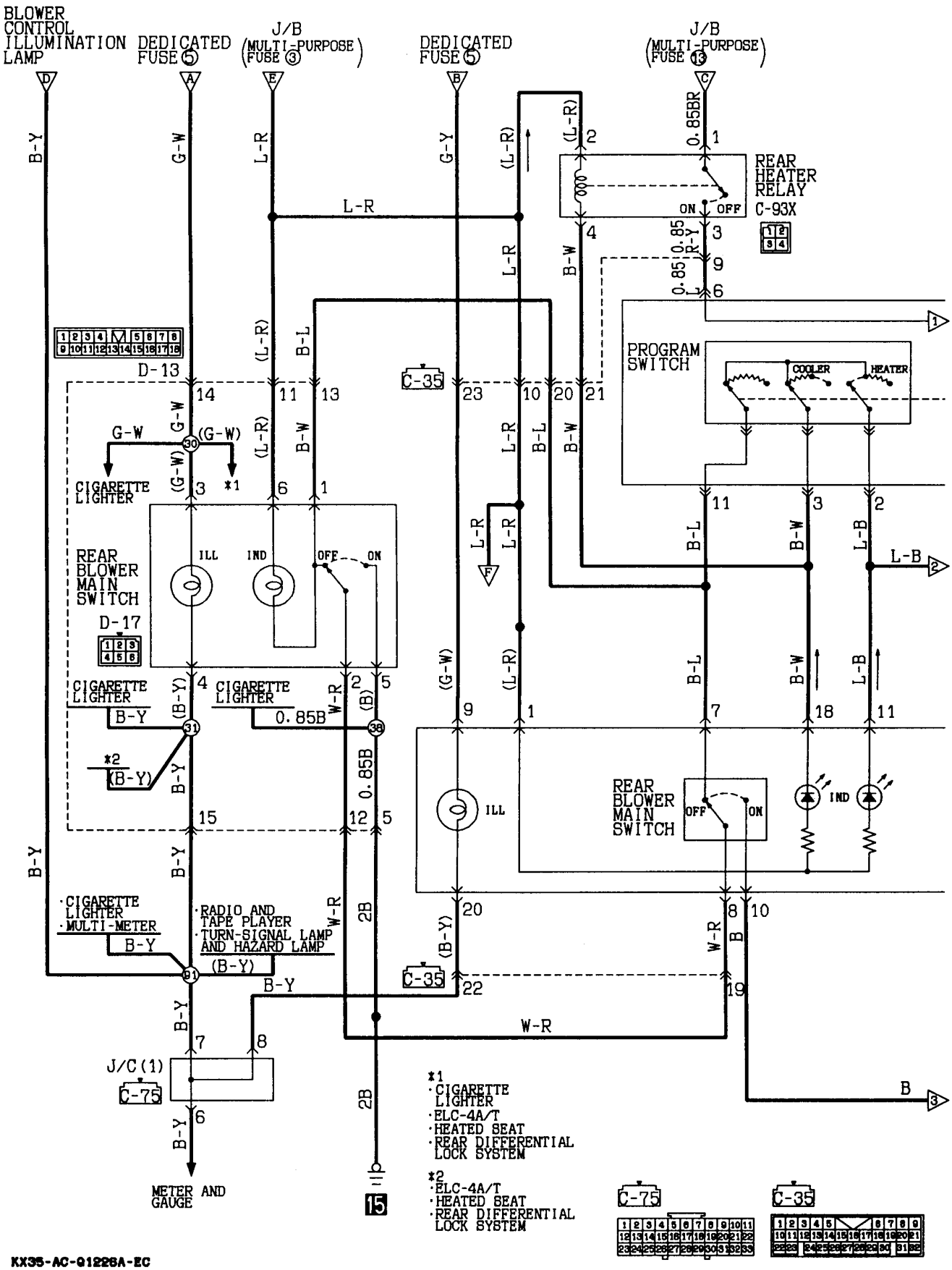
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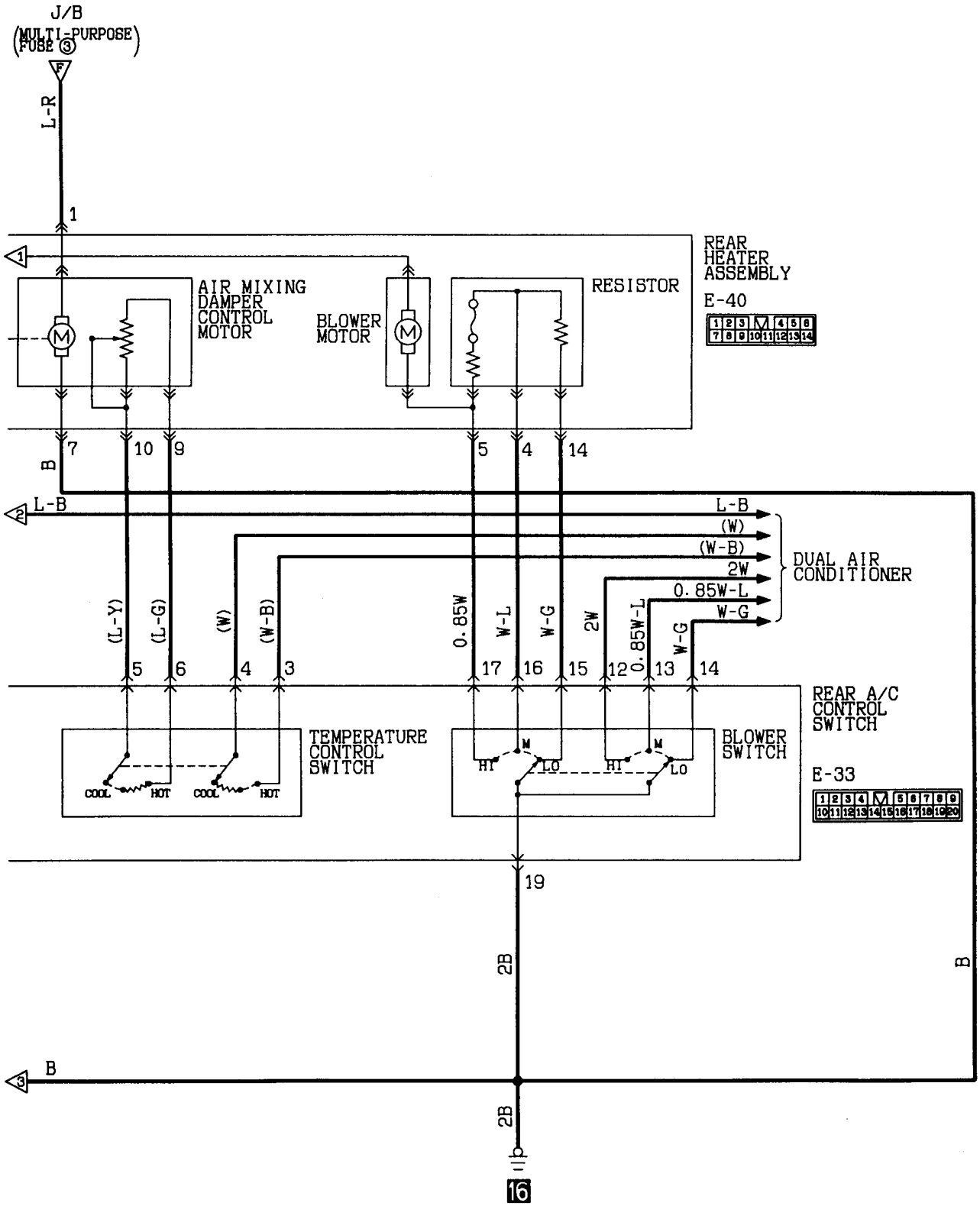


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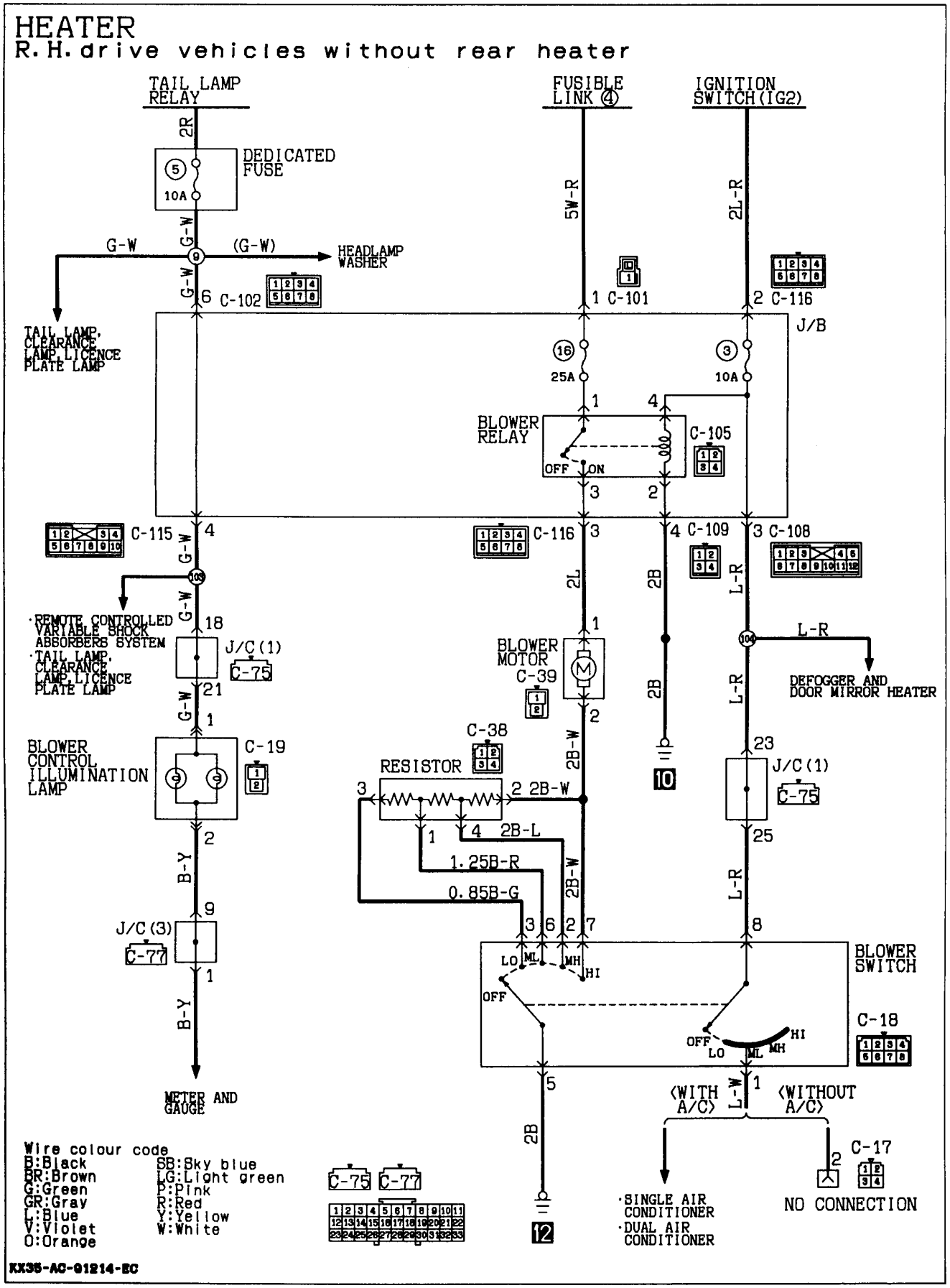
HEATER〈L.H. drive vehicles with rear heater (with dual air conditioner)〉(CONTINUED)



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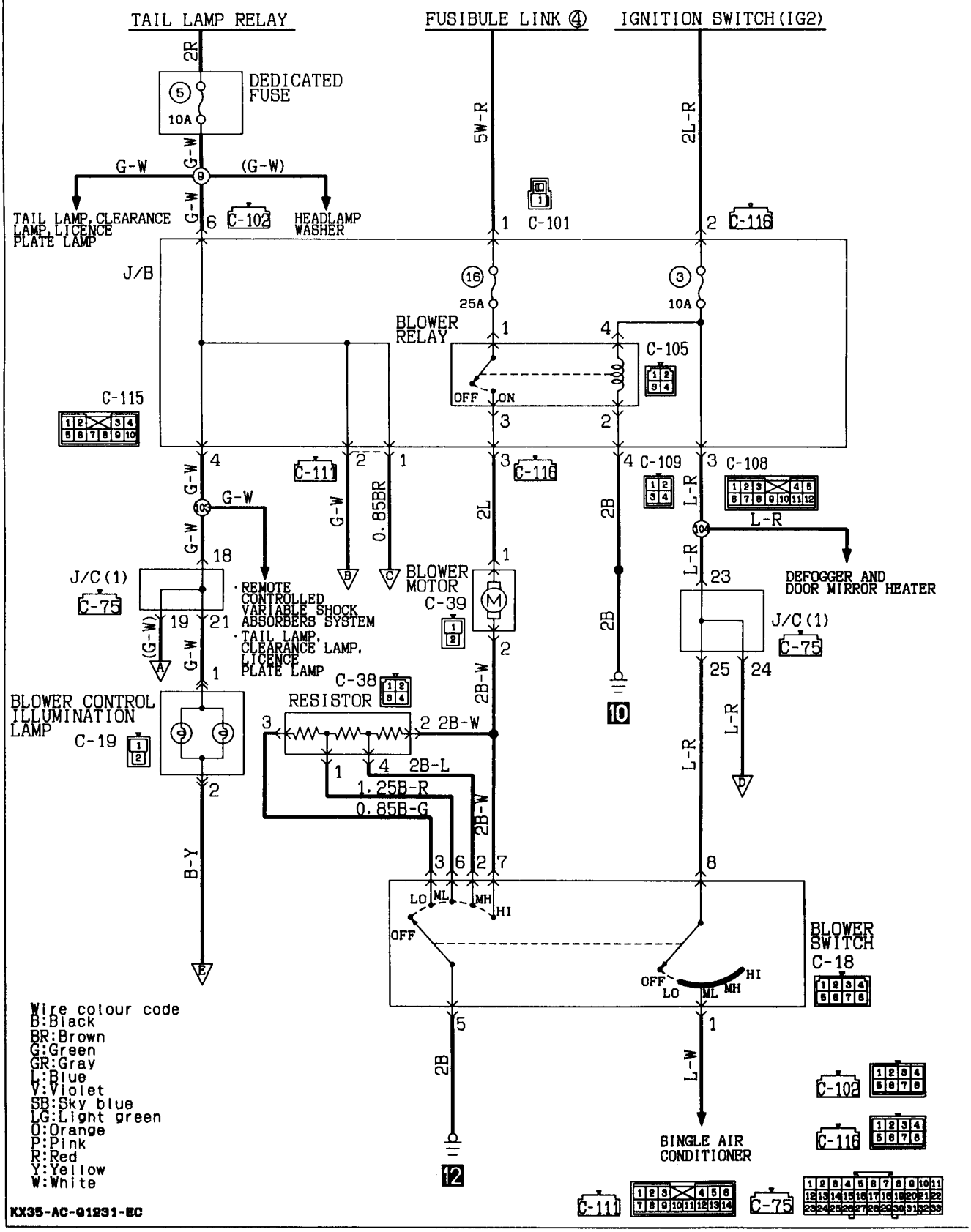


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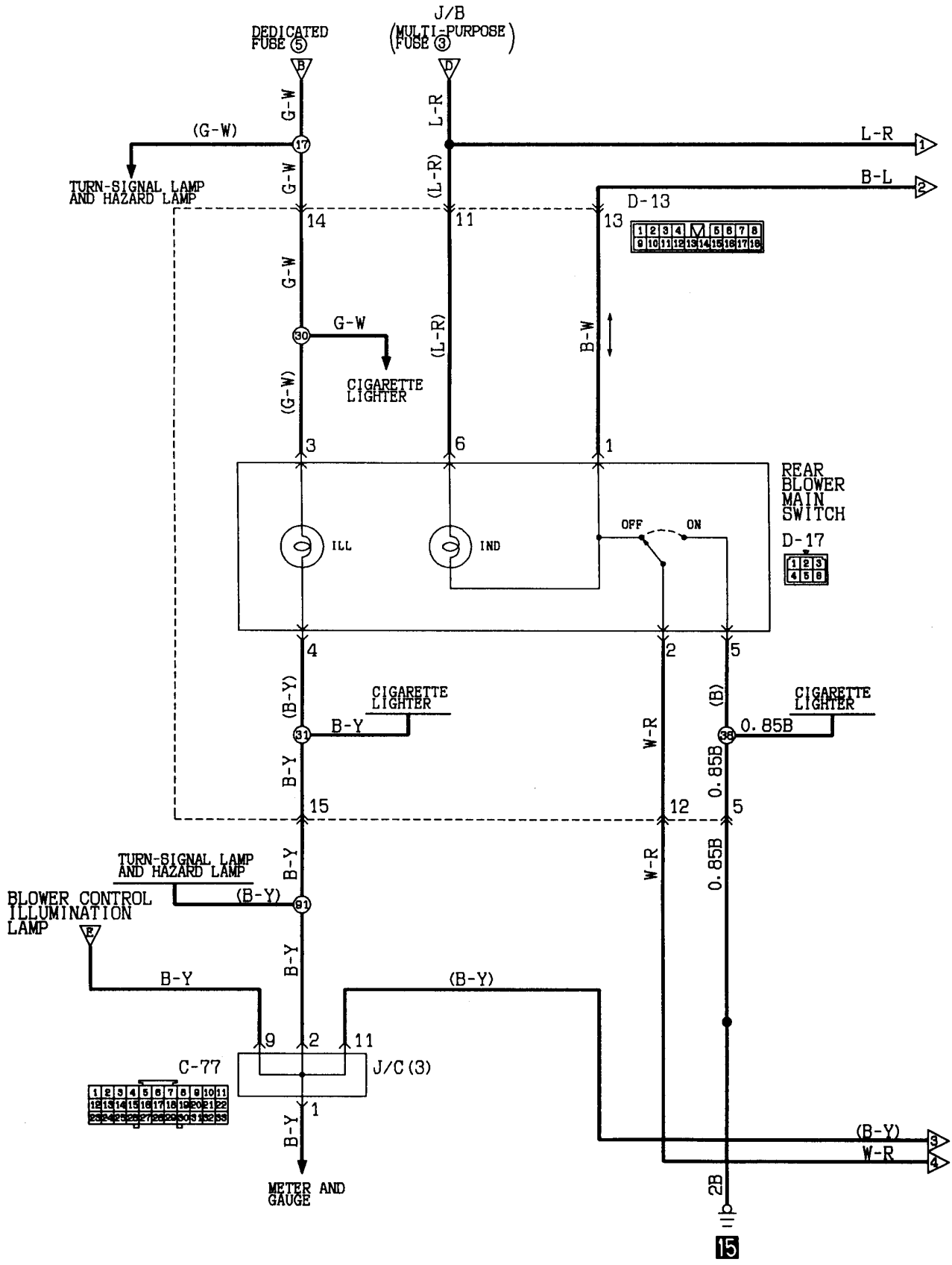
HEATER

R.H. drive vehicles with rear heater〈without dual air conditioner〉



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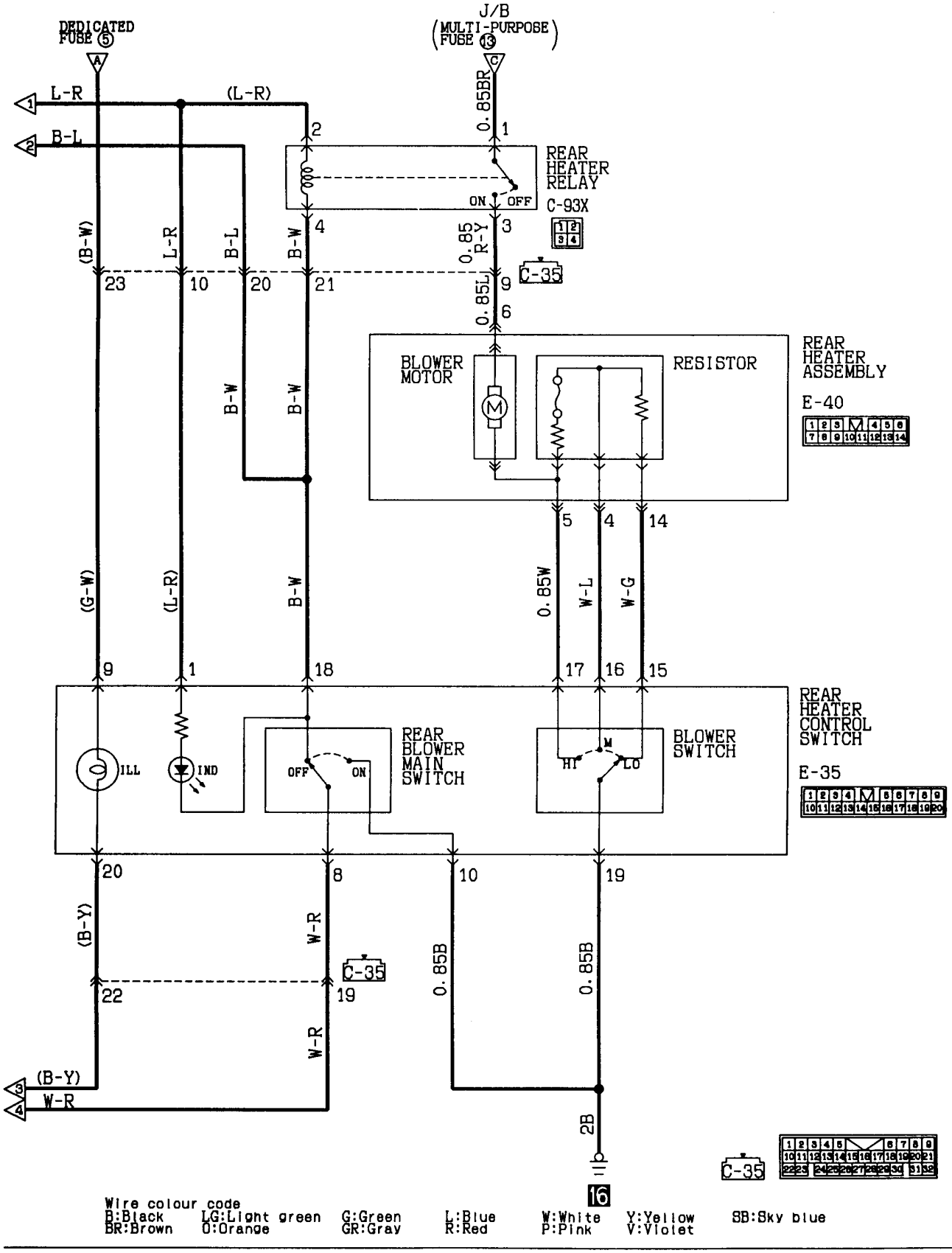


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HEATER<R.H.drive vehicles with rear heater (without dual air conditioner)>(CONTINUED)



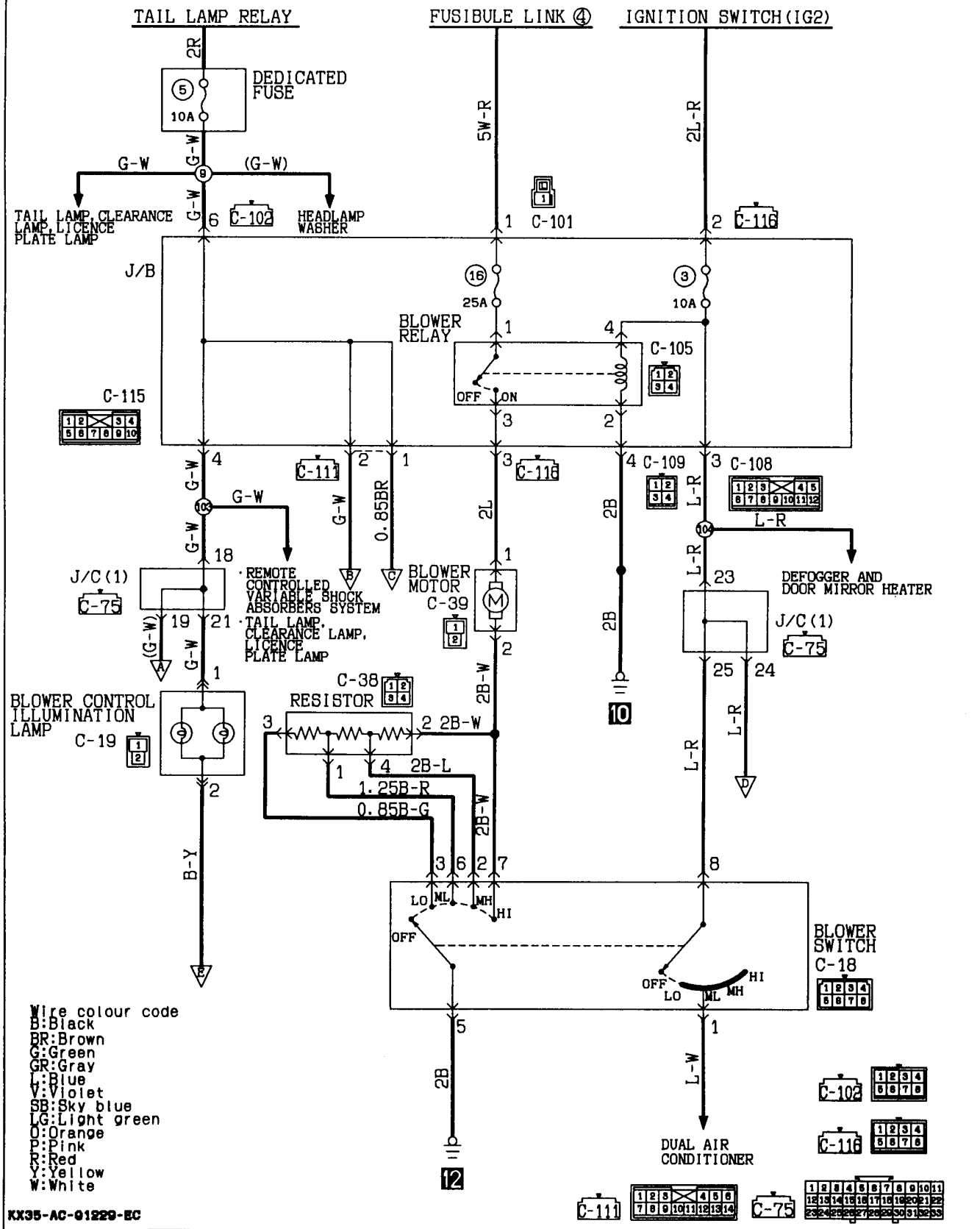
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HEATER

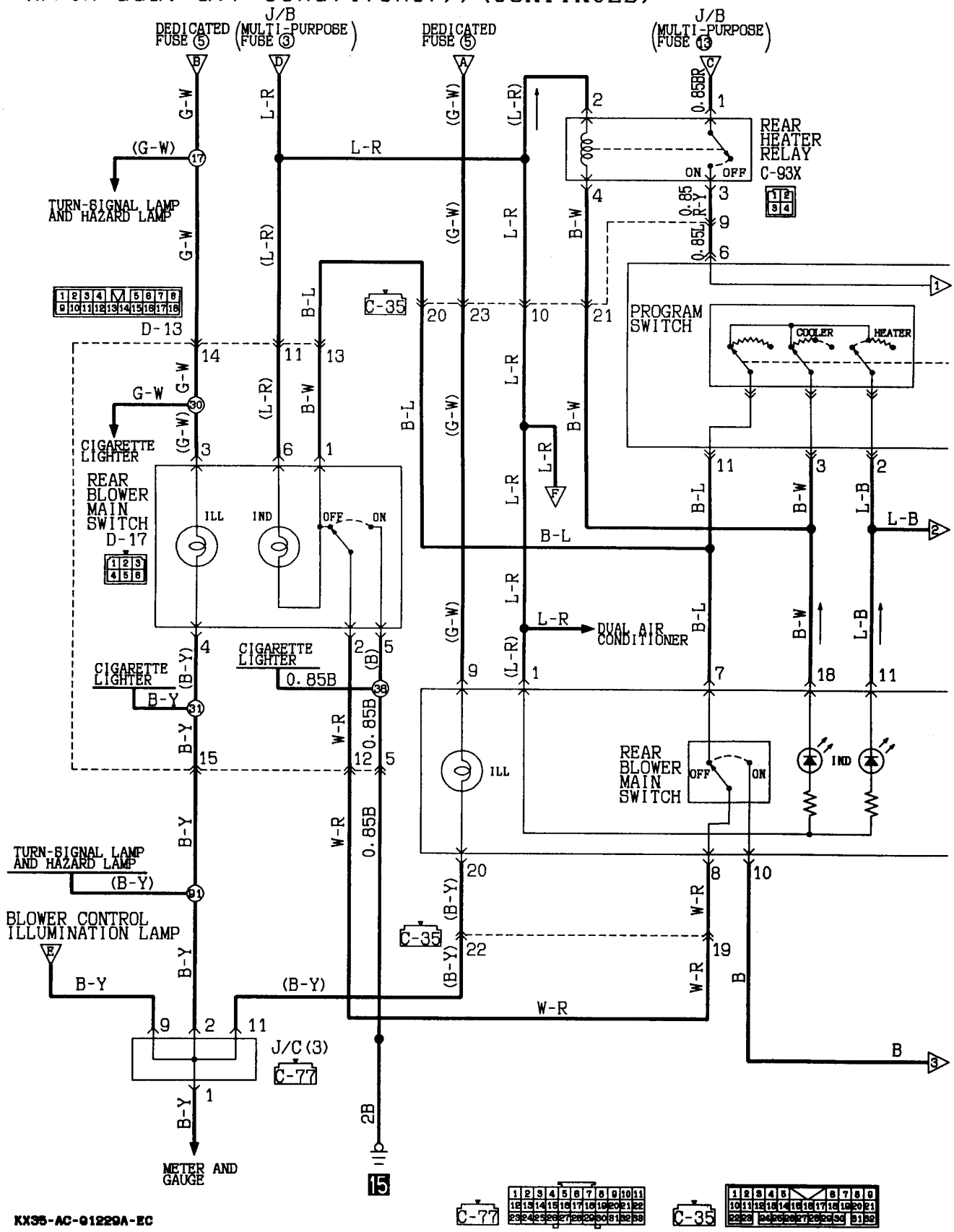
R.H. drive vehicles with rear heater <with dual air conditioner>



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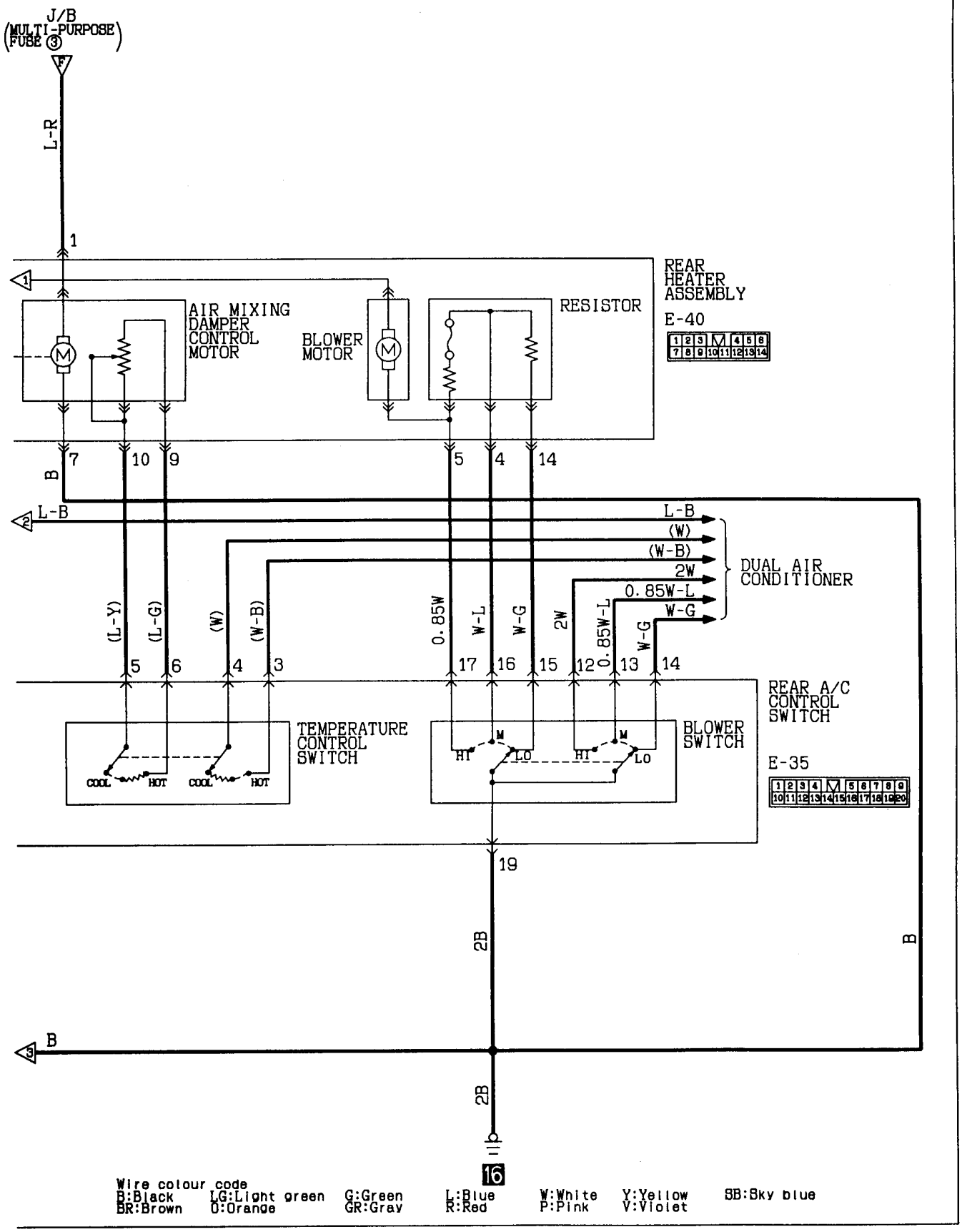
HEATER〈R.H. drive vehicles with rear heater (with dual air conditioner)〉(CONTINUED)



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HEATER (See P. 4A-176, 177, 180, 183, 184, 187.)

OPERATION

〈Front heater operation〉

- When the ignition switch is turned ON, the blower relay is energized. If the blower switch is turned ON (LO, ML, MH, or HI position) in this condition, the blower is activated through the circuit via resistor at a speed corresponding to the blower switch position.

〈Rear heater operation〉

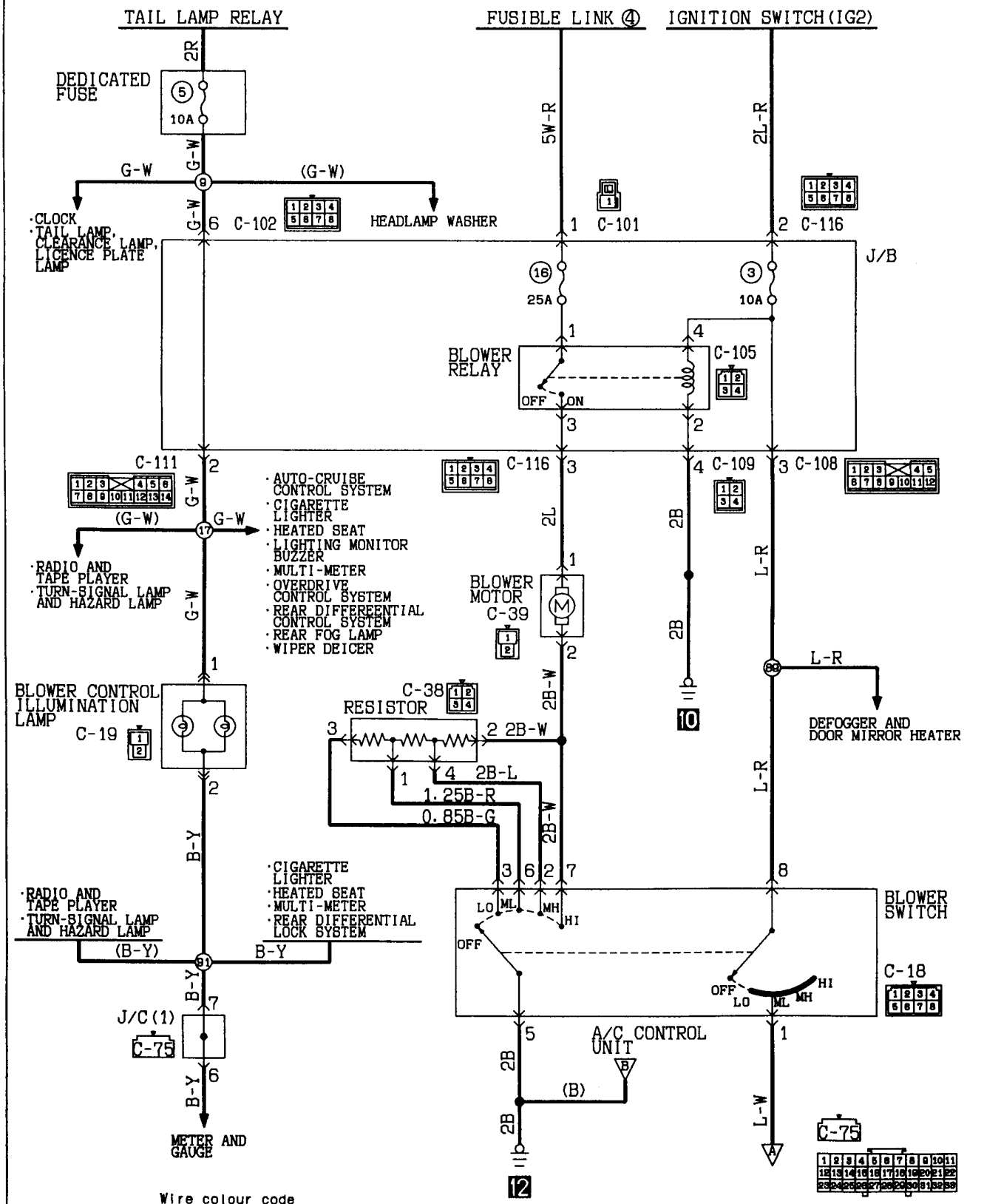
- When the ignition switch is in the ON position and the rear heater control switch is turned to ON, the rear heater relay turns ON and the blower motor is activated via the resistor at a speed corresponding to the blower switch position (LO, M, HI).

TROUBLESHOOTING HINTS

1. Blower motor is energized at one switch position and not energized at another.
   - Check harness and connectors between defective switch position and resistor (or blower motor in HI position).
2. Blower motor is energized only when switch is positioned in HI.
   - Check resistor.
3. Blower motor speed does not represent the switch position.
   - Check blower switch.

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SINGLE AIR CONDITIONER
L.H. drive vehicles〈4G64, 6G72 engine〉

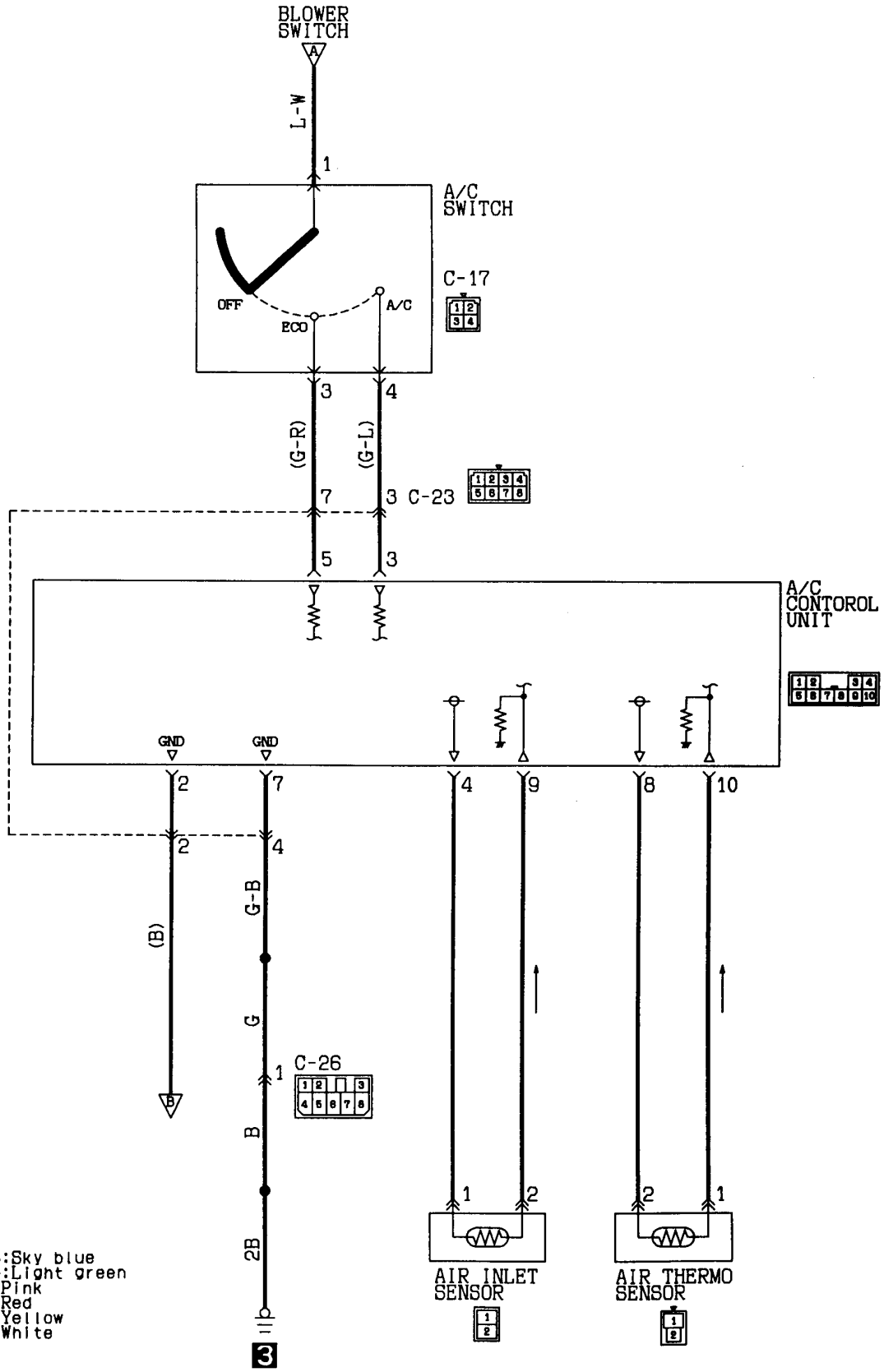


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SINGLE AIR CONDITIONER
<L.H.drive vehicles(4G64,6G72 engine)> (CONTINUED)



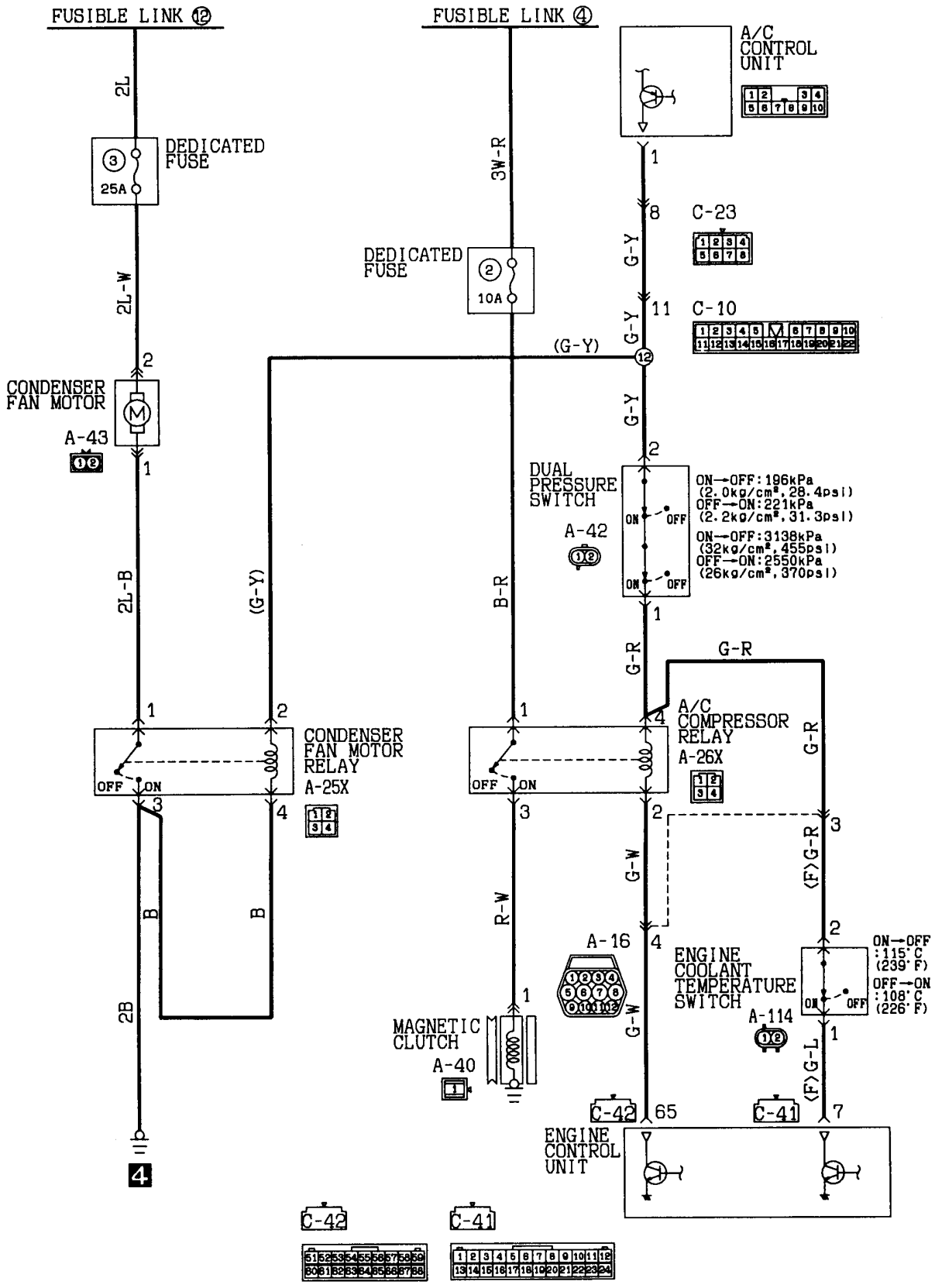
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O:Orange	

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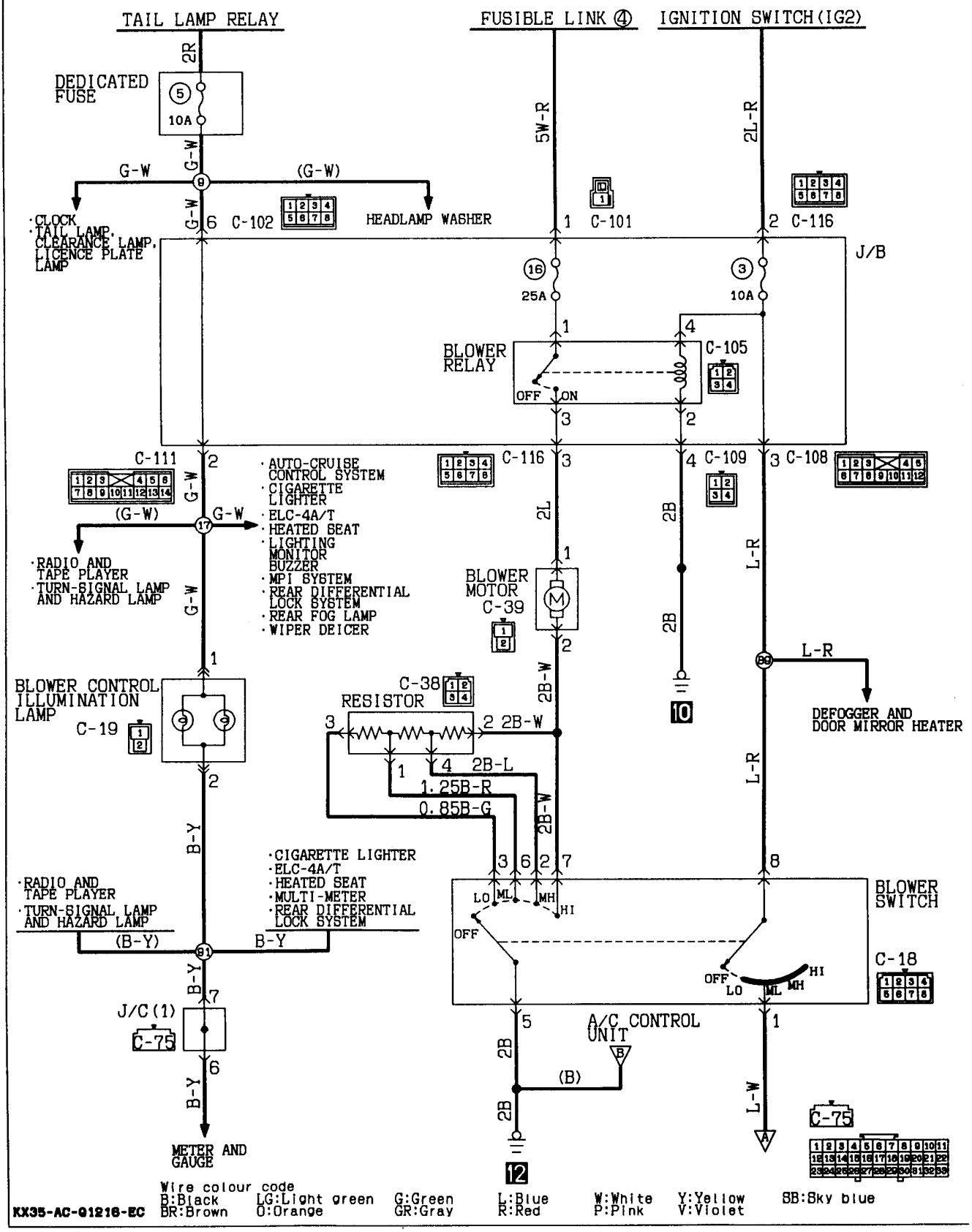
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SINGLE AIR CONDITIONER
L.H. drive vehicles<6G74 engine>

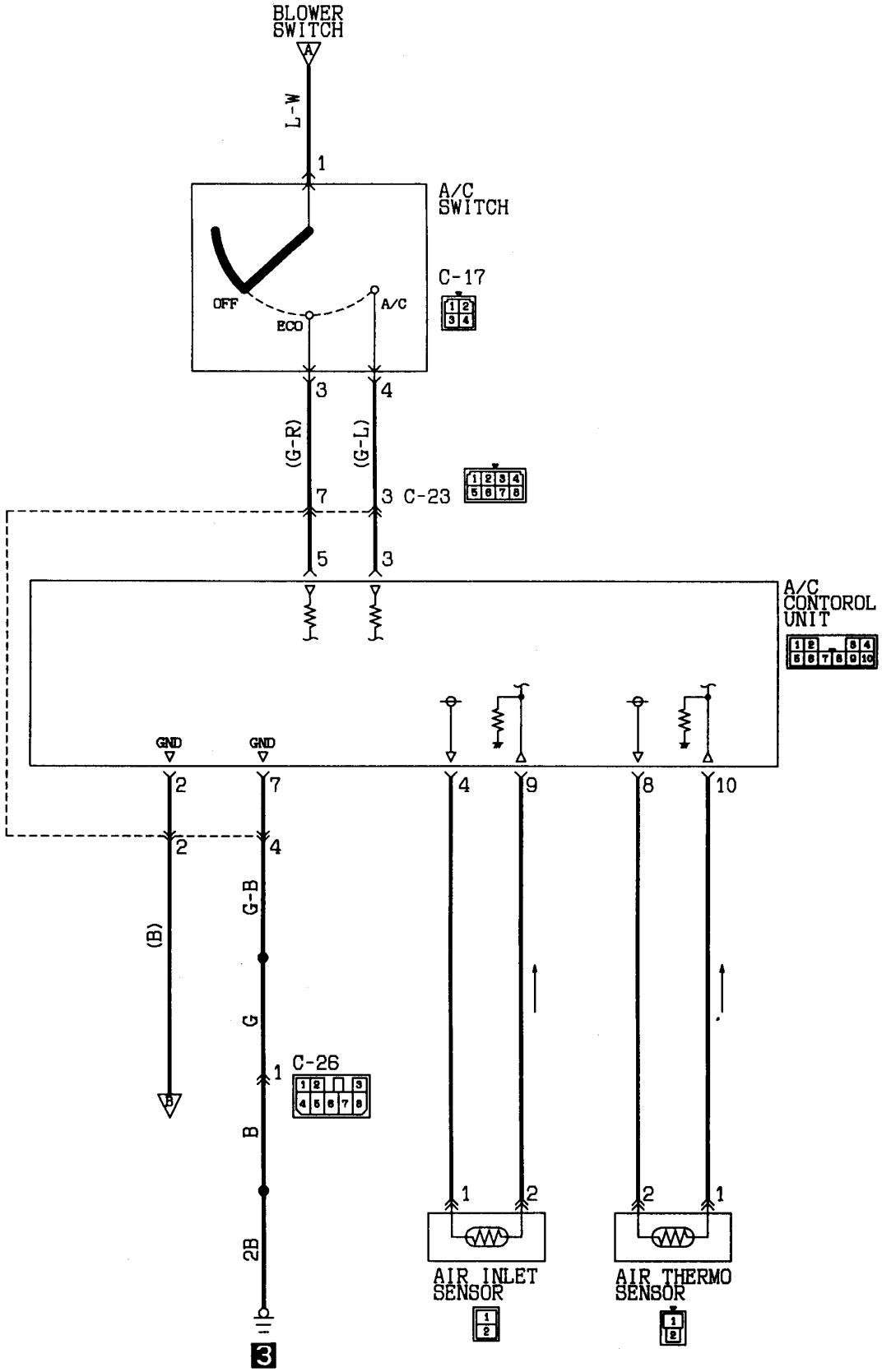


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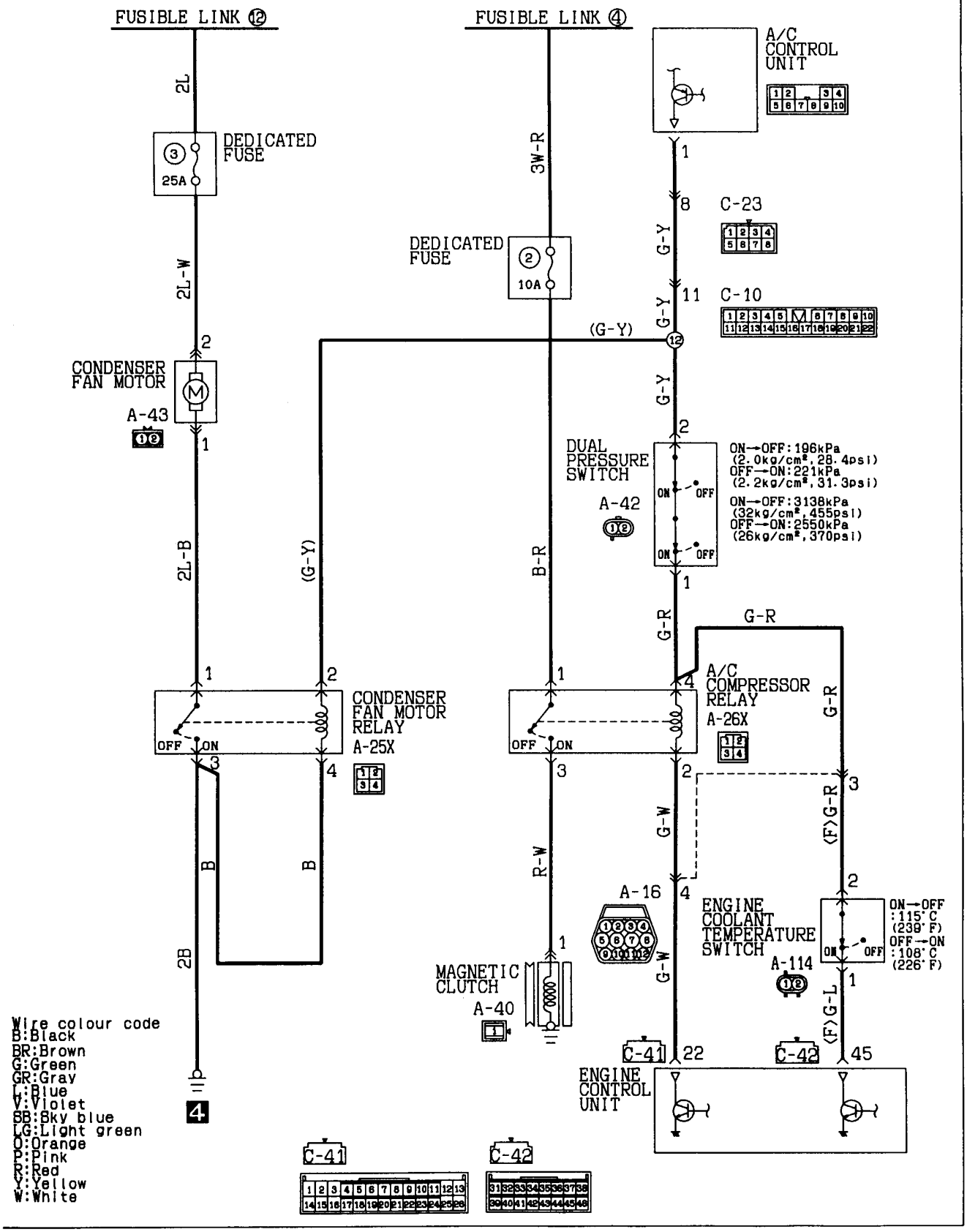


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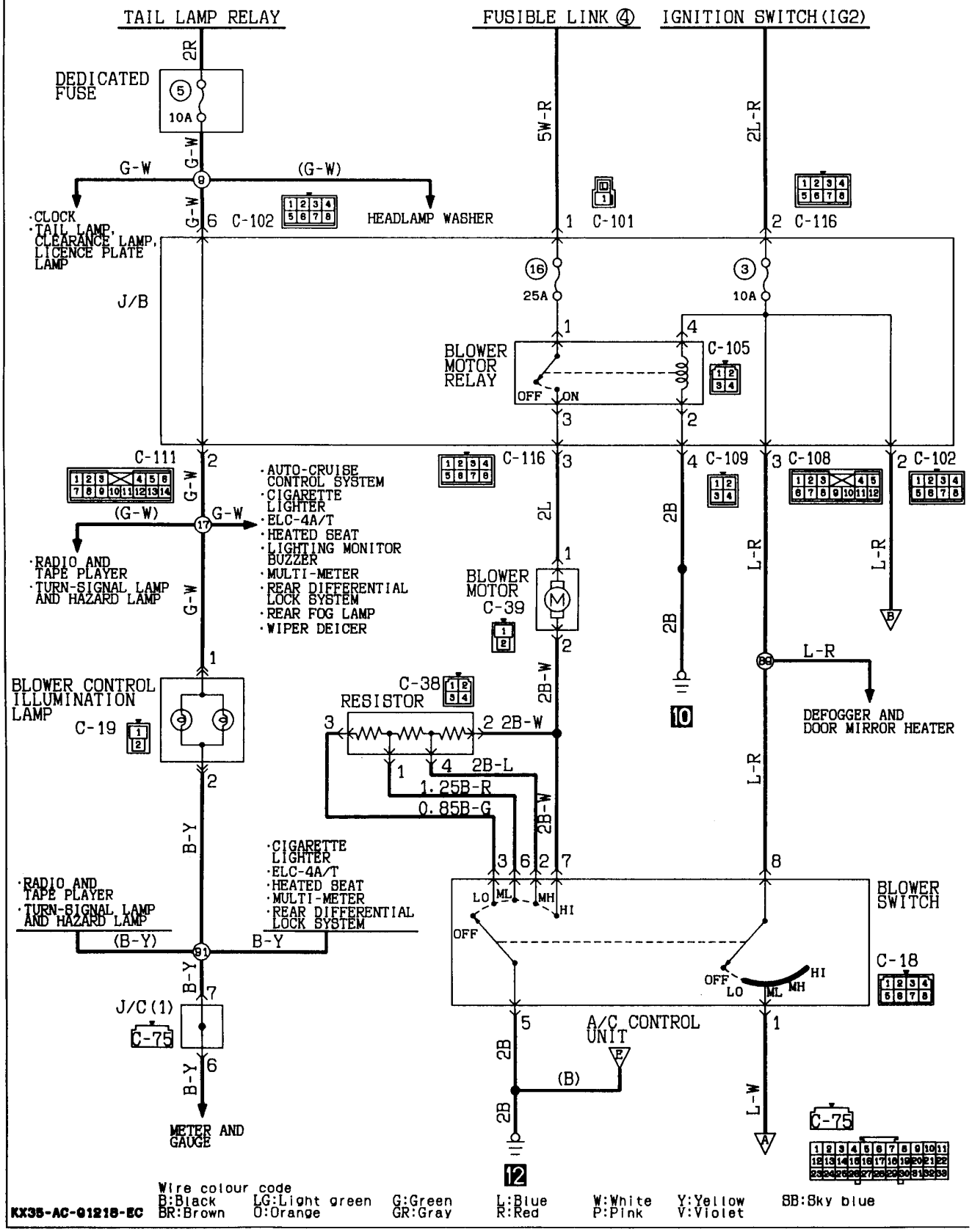
SINGLE AIR CONDITIONER
<L.H.drive vehicles(6G74 engine)> (CONTINUED)



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SINGLE AIR CONDITIONER
L.H. drive vehicles<diesel-powered vehicles>

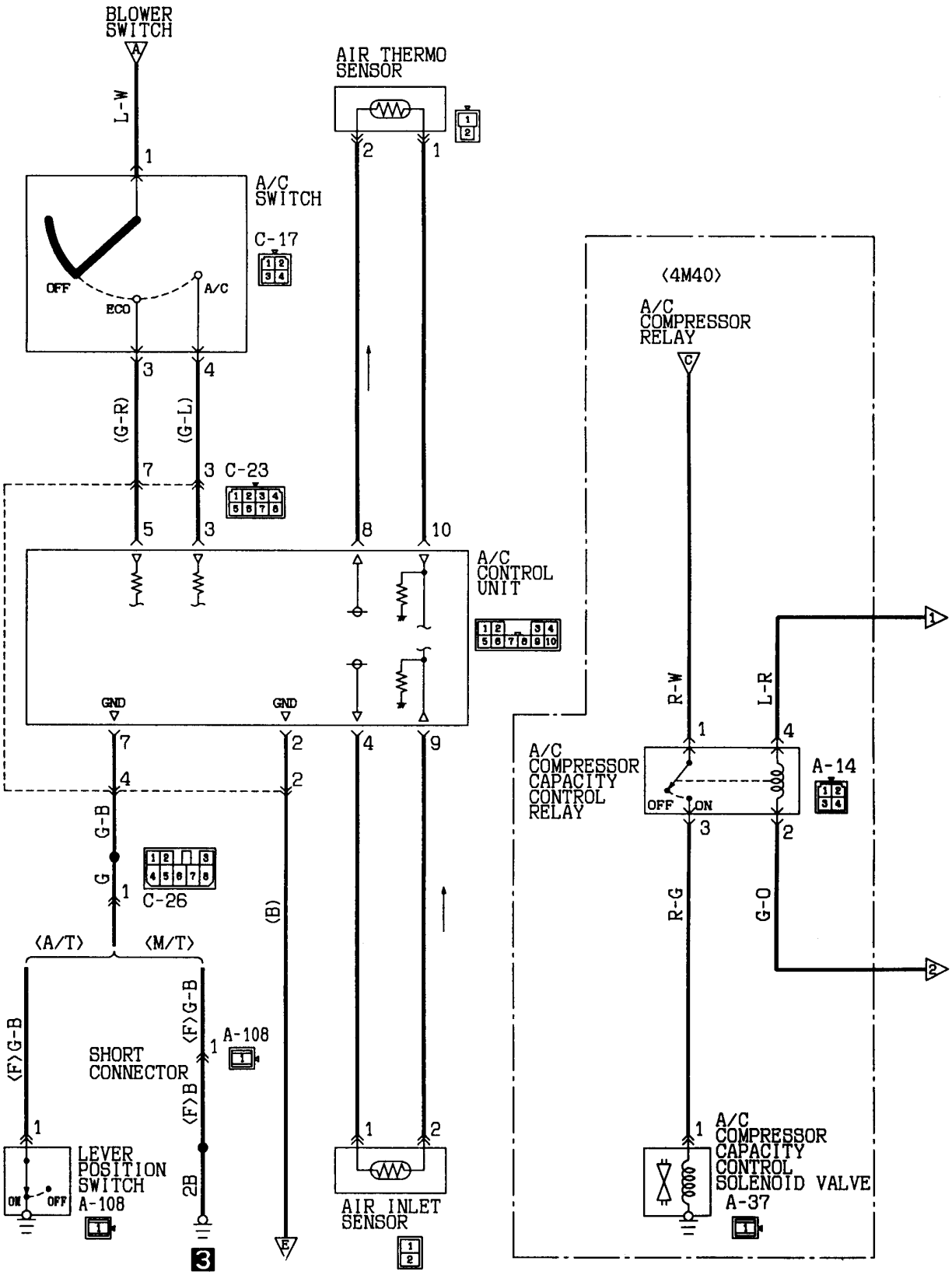


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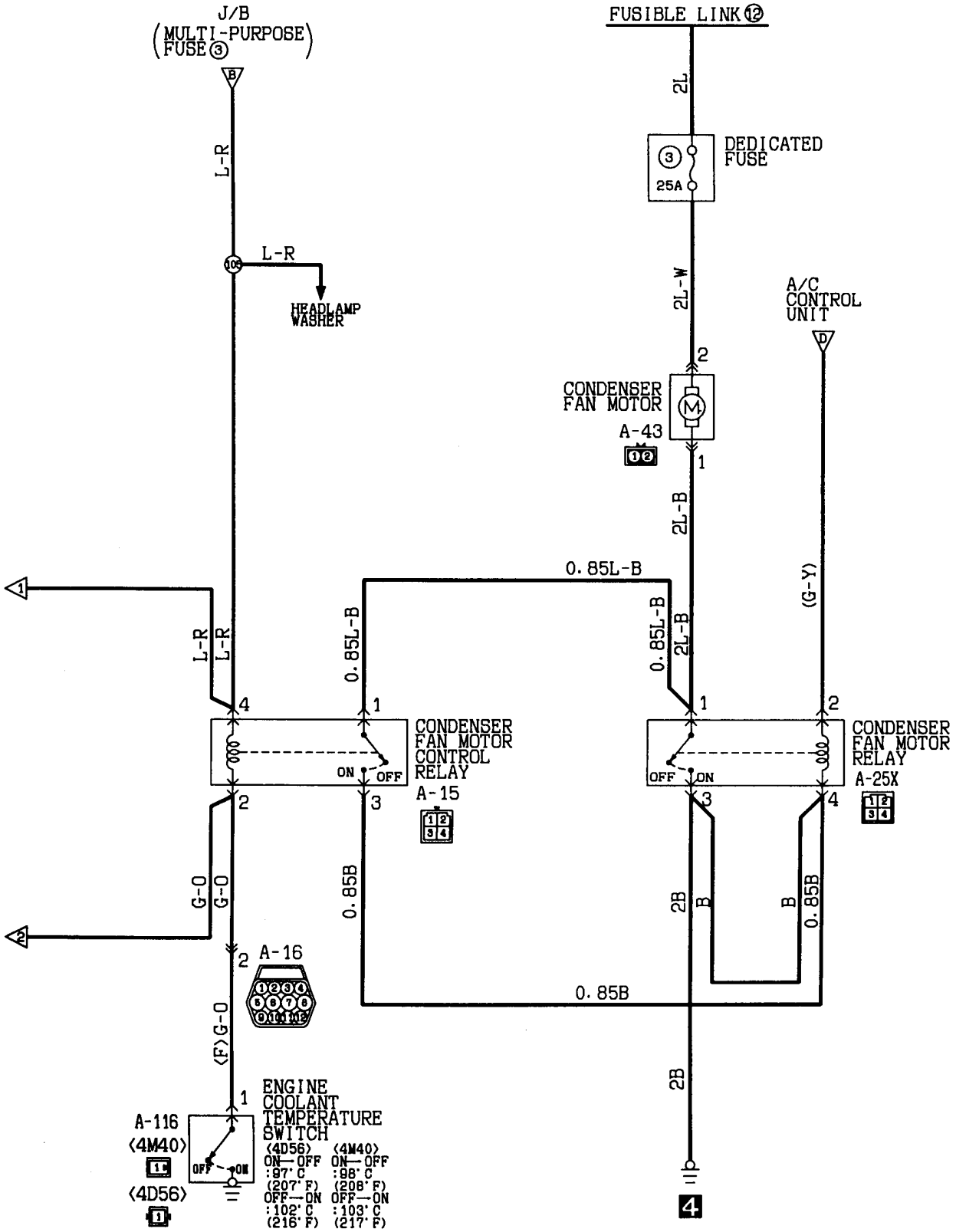
SINGLE AIR CONDITIONER
(L.H.drive vehicles(diesel-powered vehicles)) (CONTINUED)



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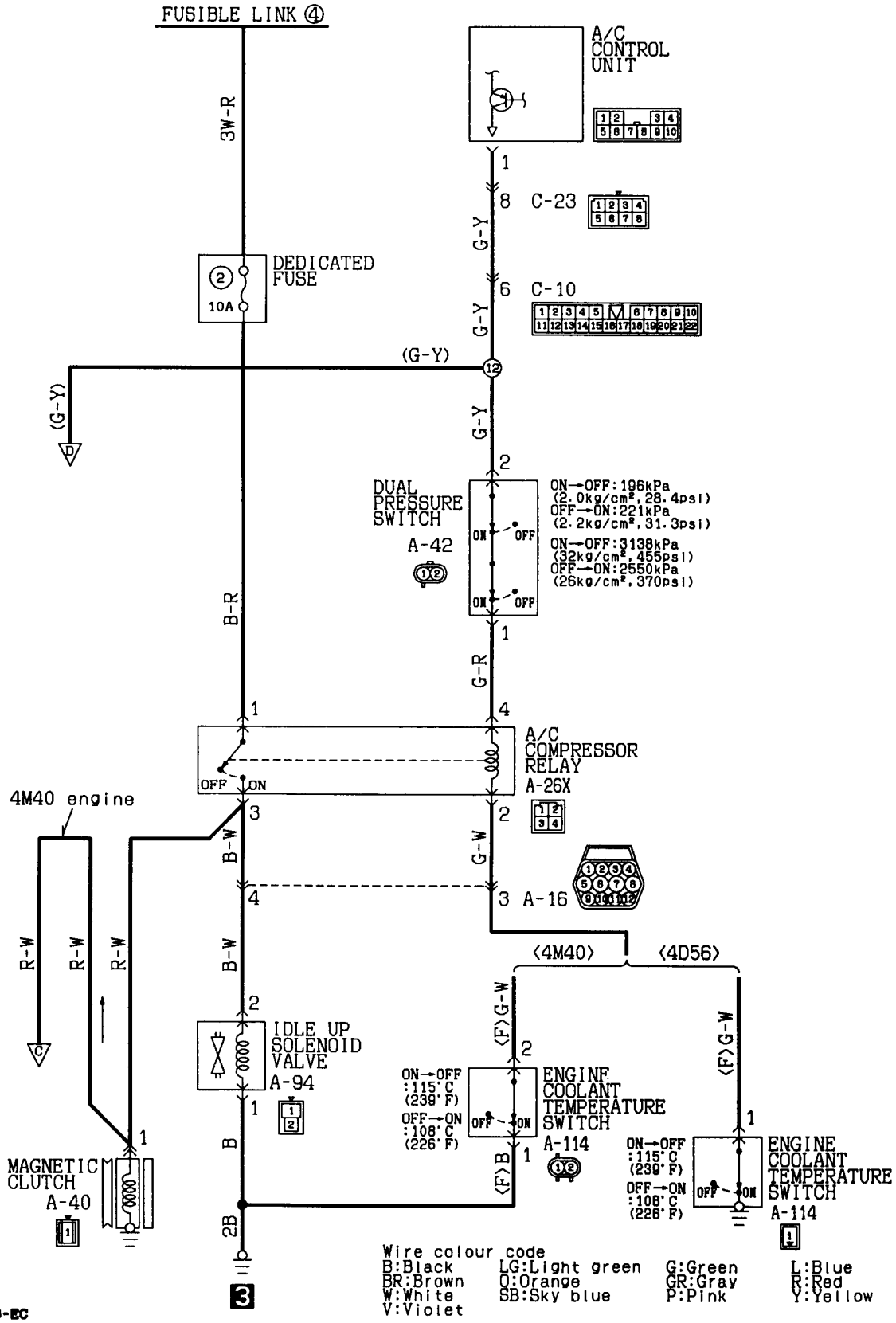
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SINGLE AIR CONDITIONER
〈L.H.drive vehicles(diesel-powered vehicles)〉(CONTINUED)



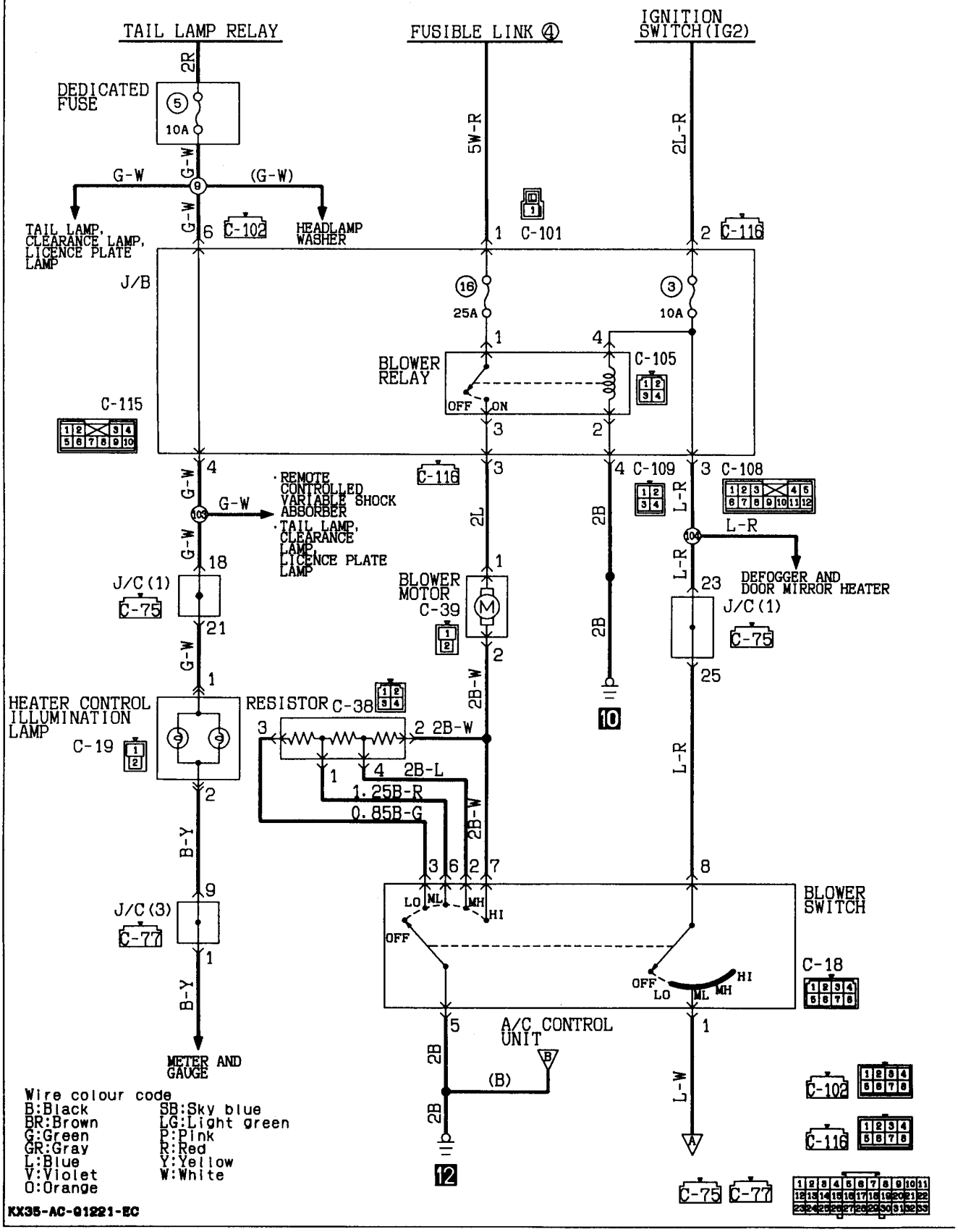
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SINGLE AIR CONDITIONER

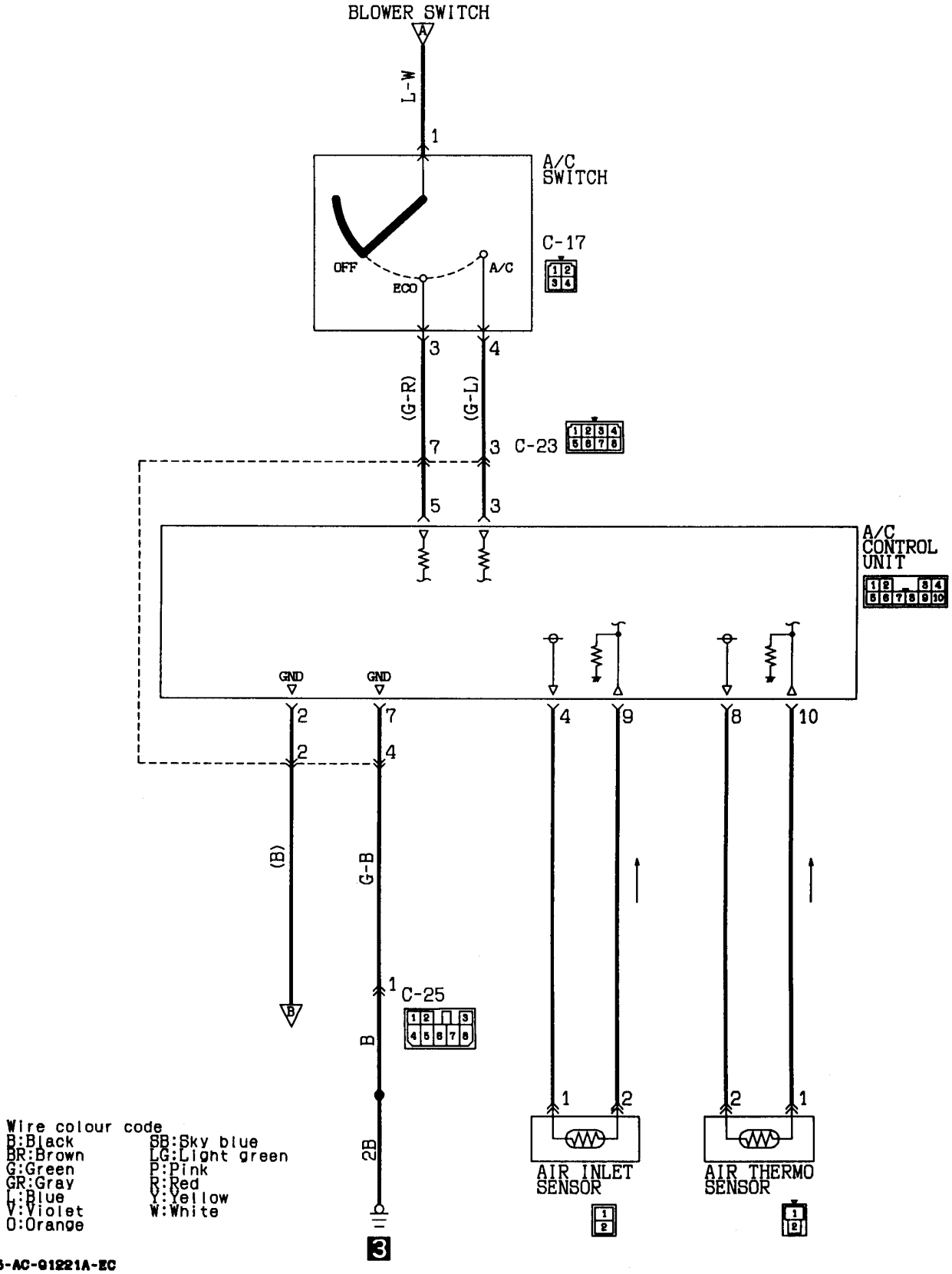
R.H. drive vehicles<petrol-powered vehicles>



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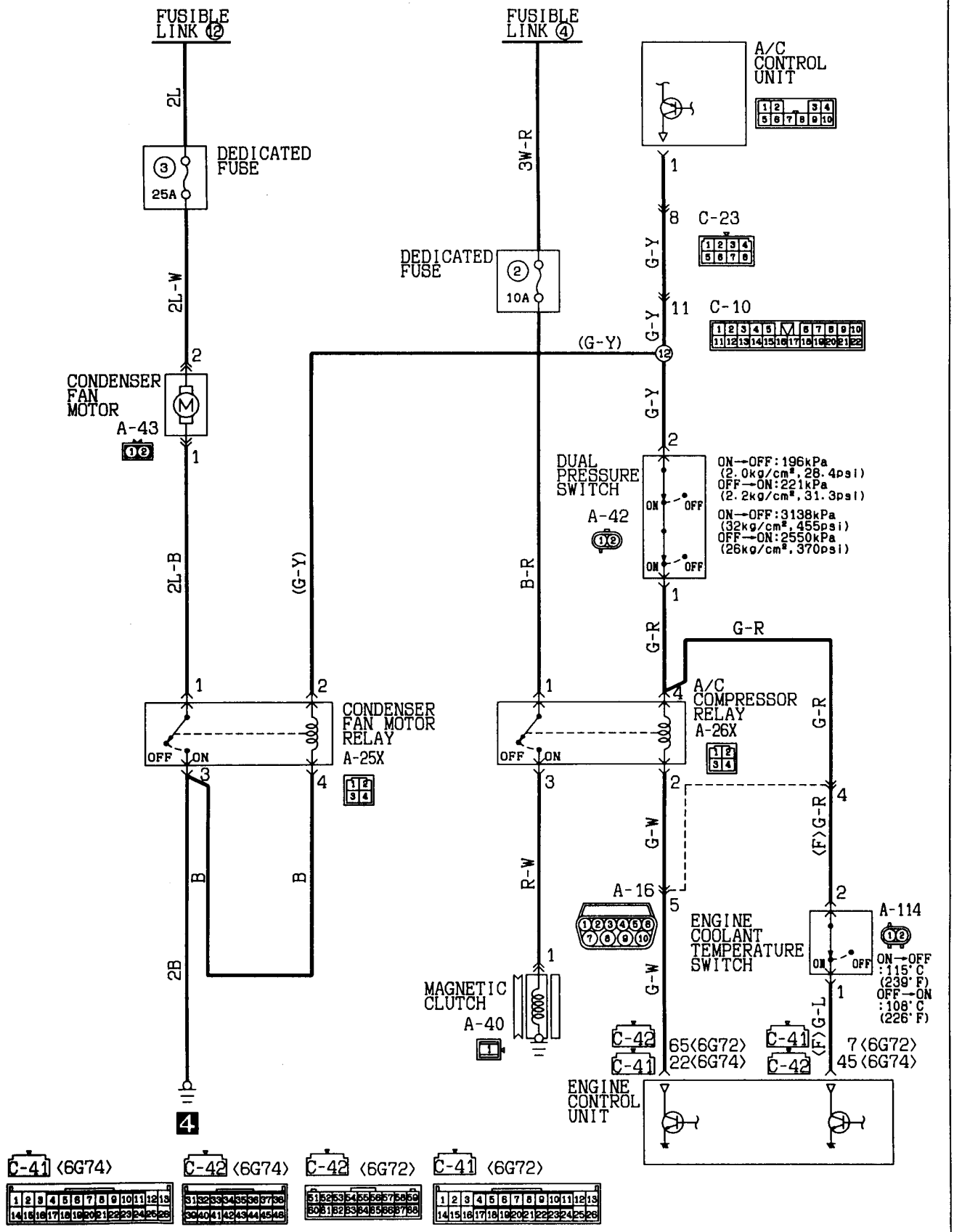
SINGLE AIR CONDITIONER
<R.H.drive vehicles(petrol-powered vehicles)> (CONTINUED)



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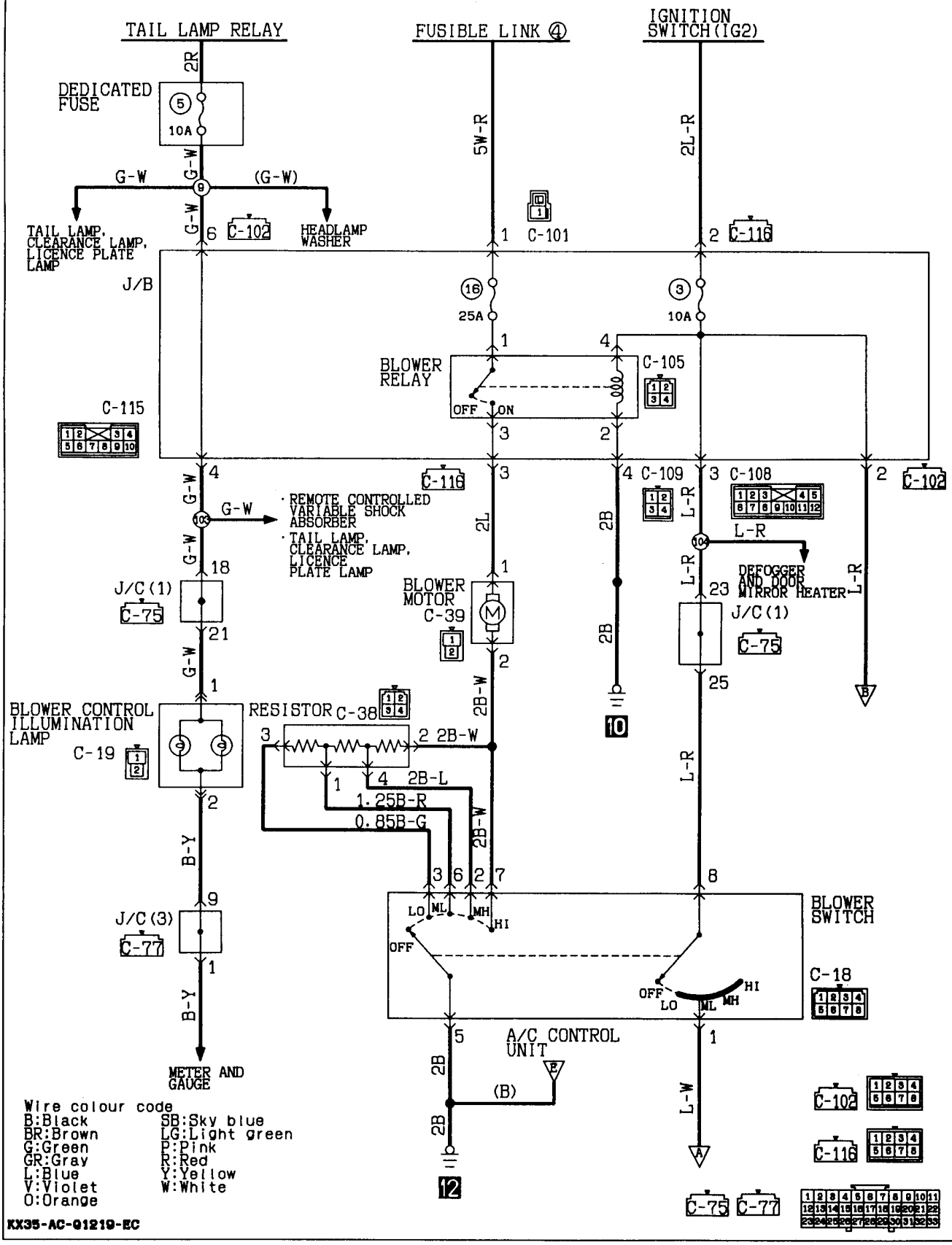
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SINGLE AIR CONDITIONER
R.H. drive vehicles<diesel-powered vehicles>



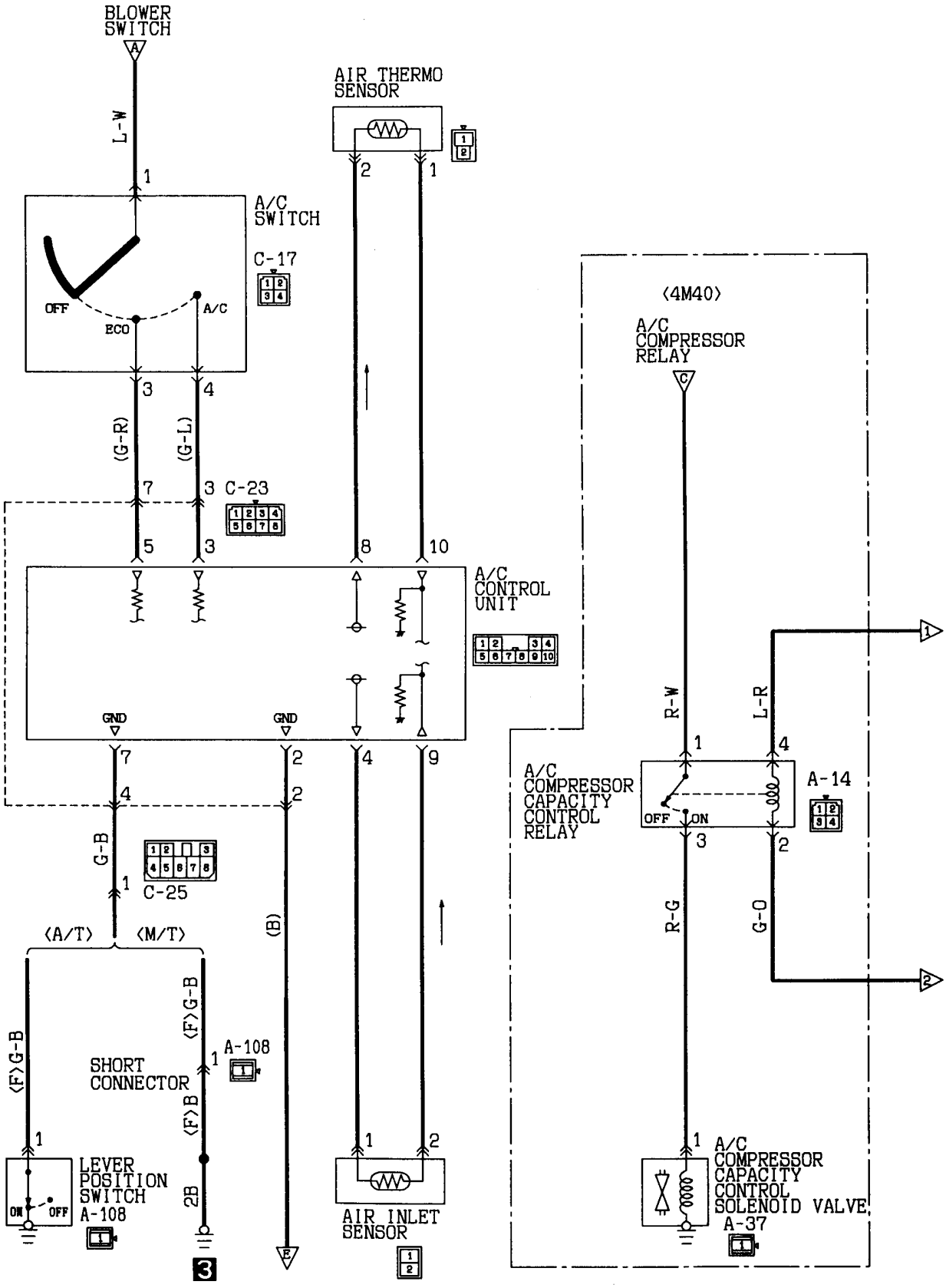
Wire colour code

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V:Violet	W:White
O:Orange	

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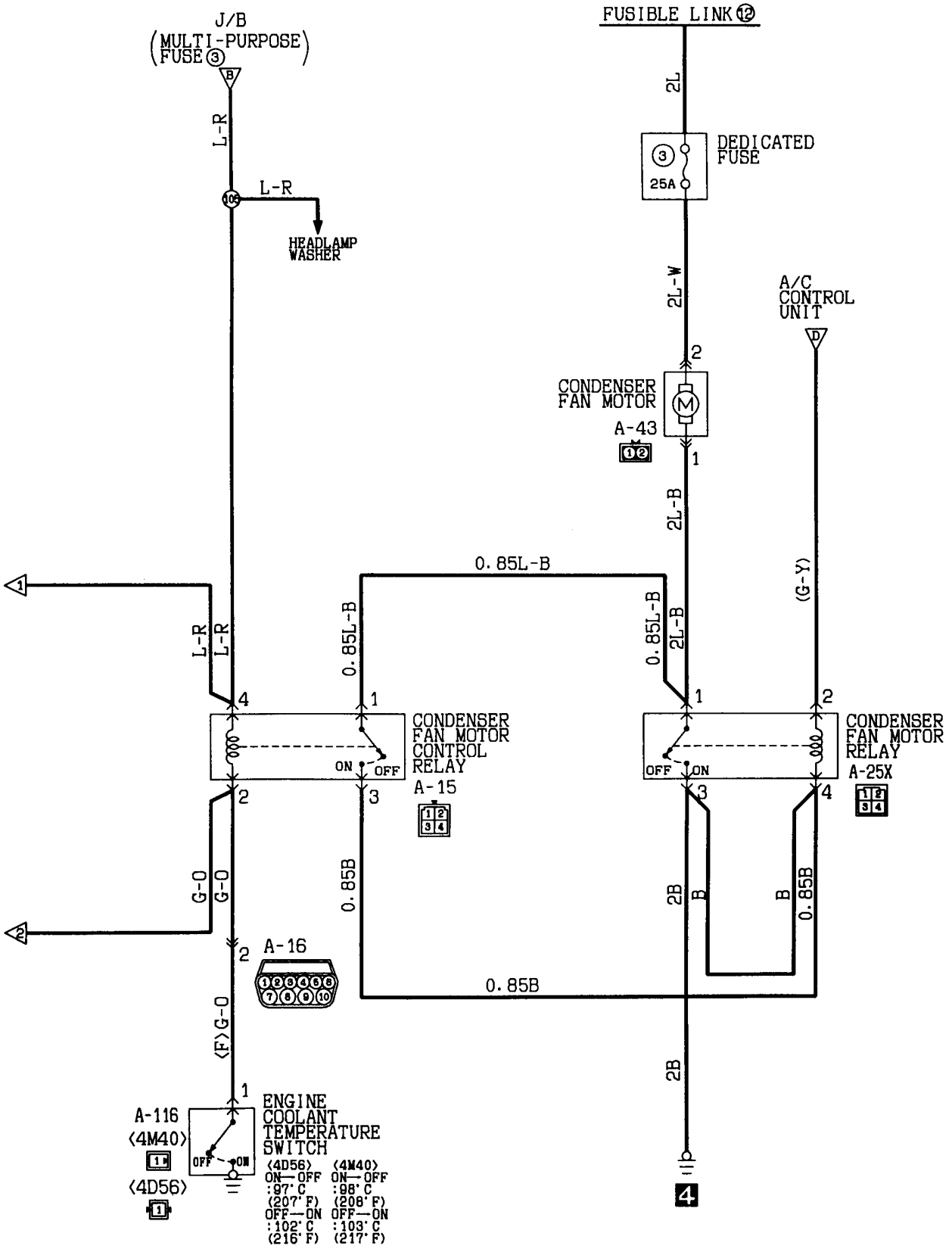


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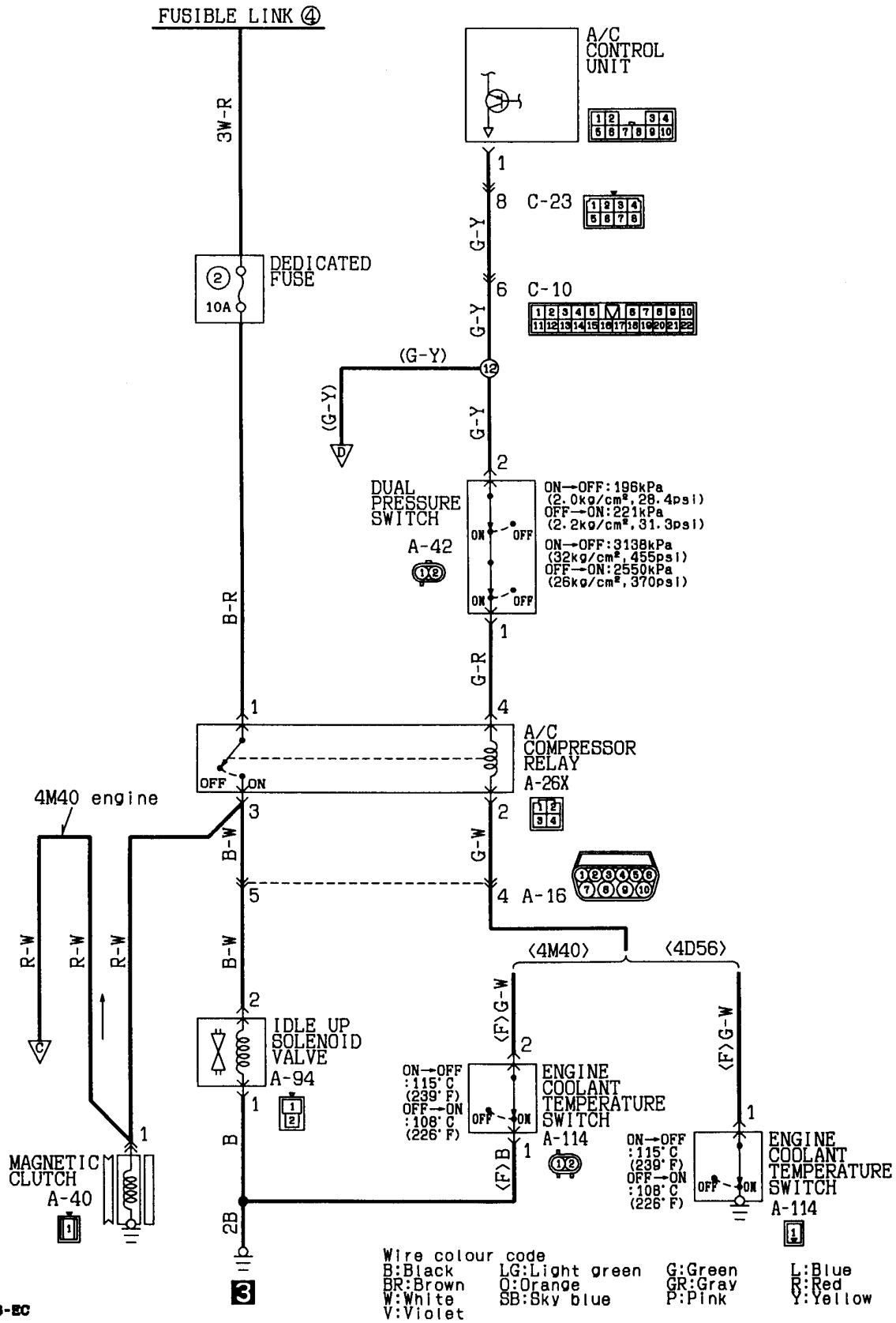
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SINGLE AIR CONDITIONER
(R.H. drive vehicles (diesel-powered vehicles)) (CONTINUED)



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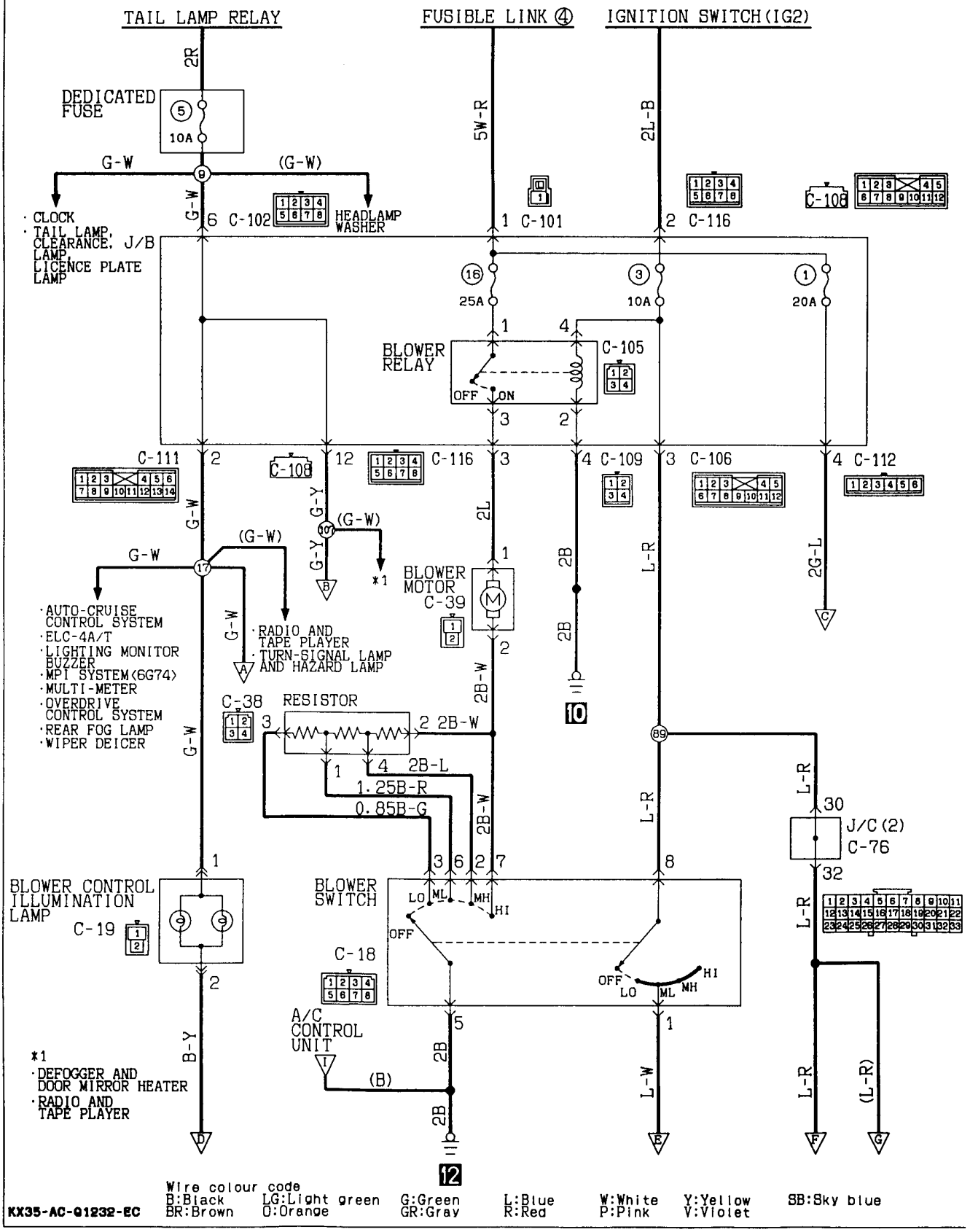
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DUAL AIR CONDITIONER

L.H. drive vehicles without rear heater
<petrol-powered vehicles>



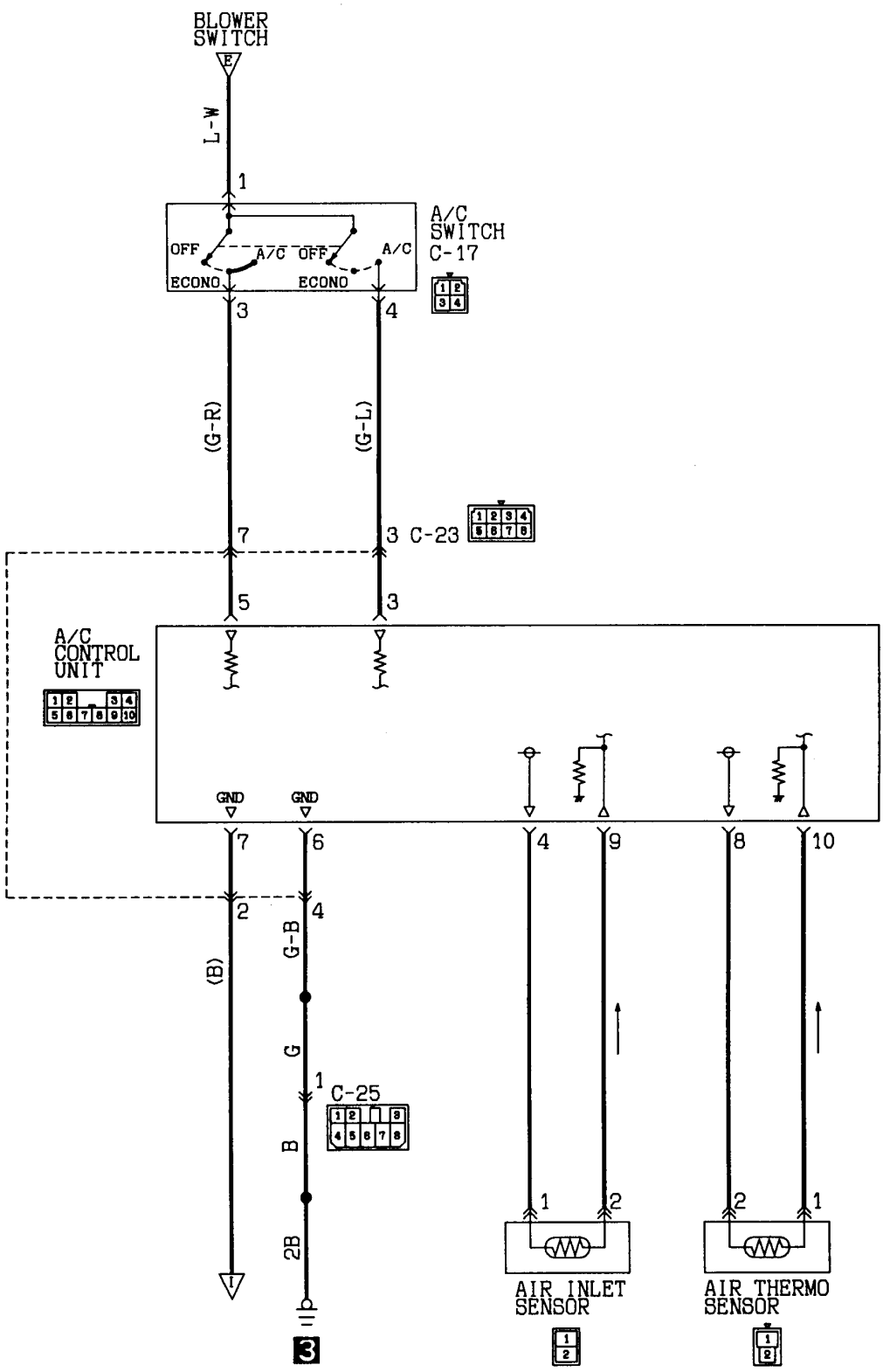
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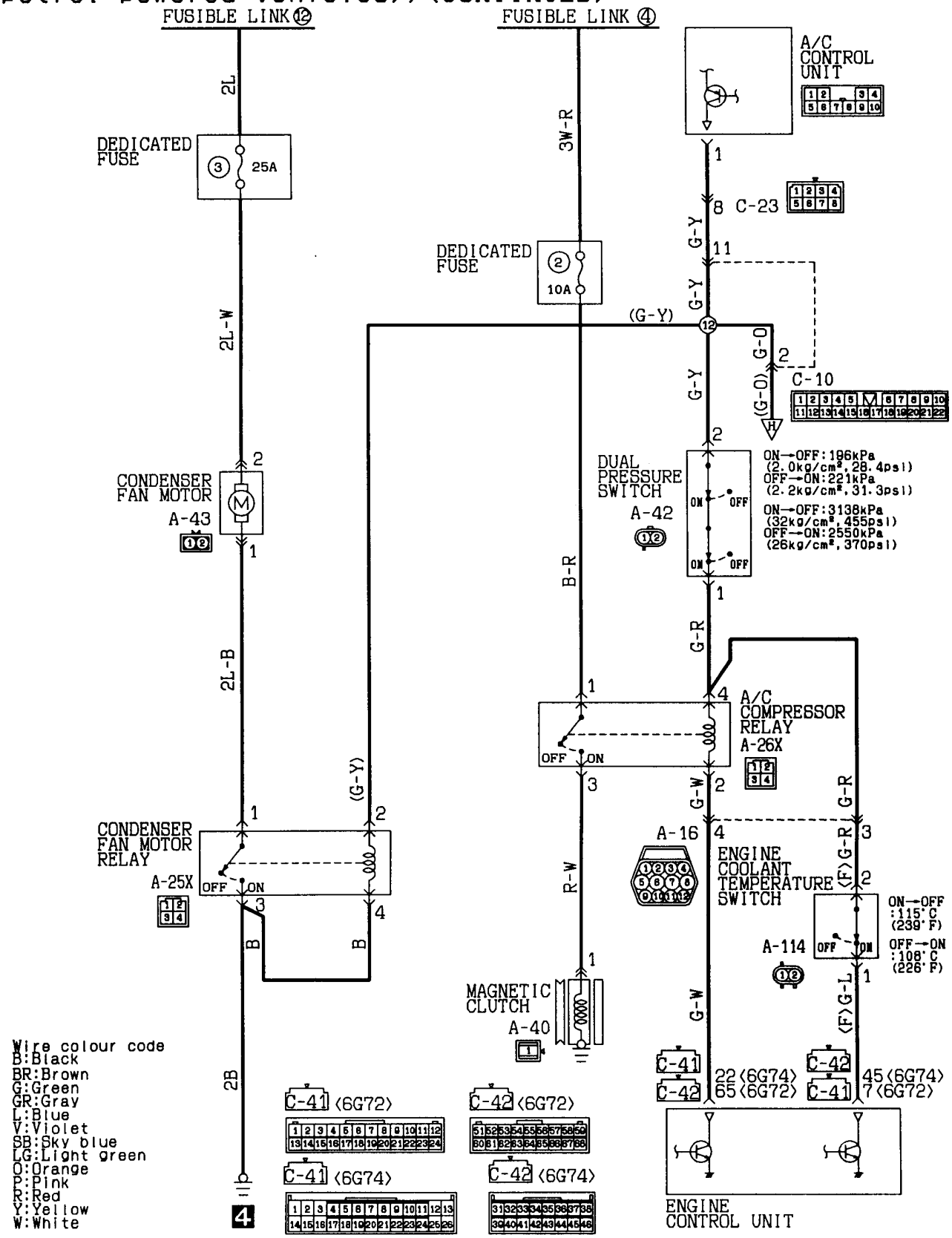
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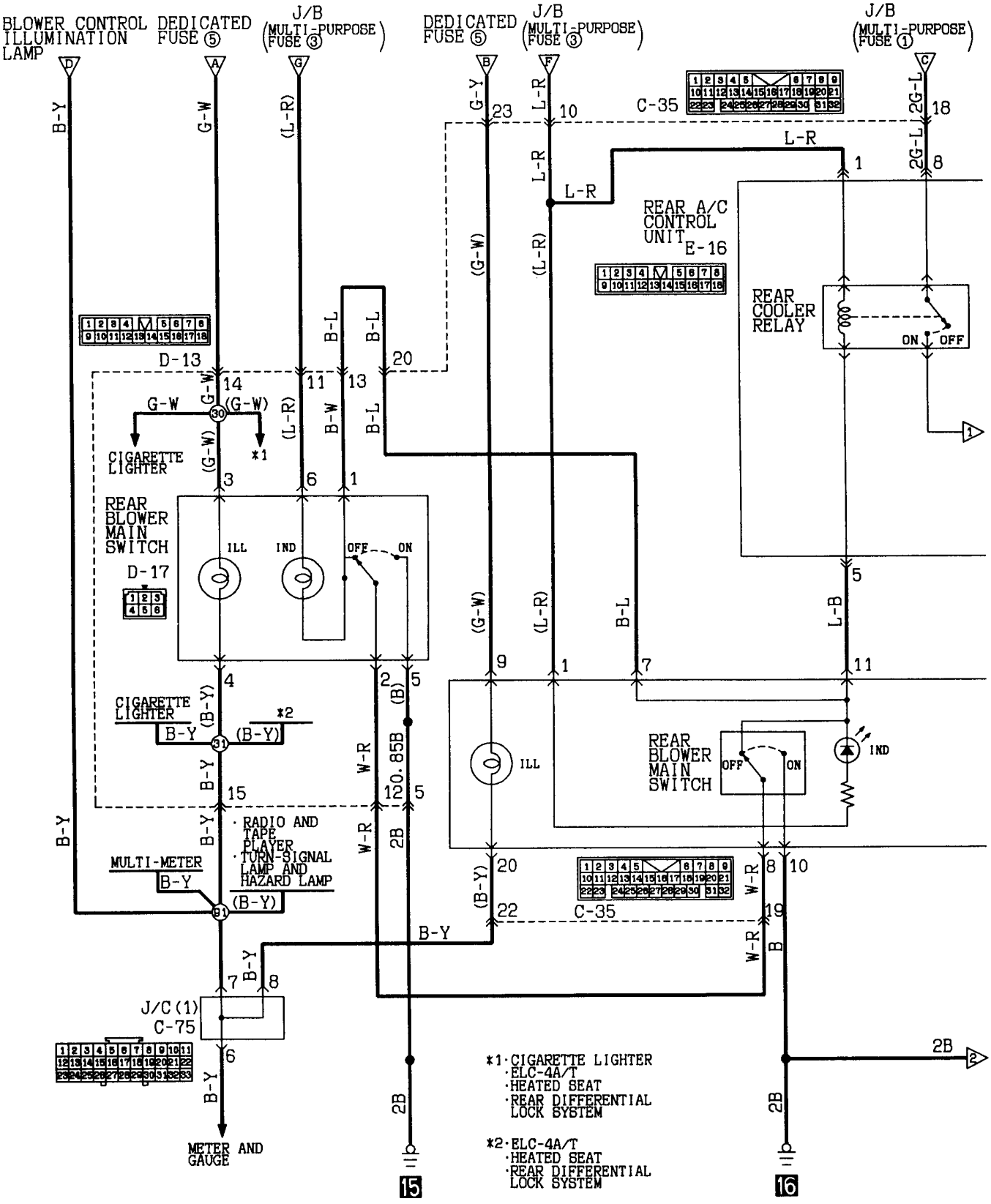
DUAL AIR CONDITIONER
<L.H. drive vehicles without rear heater (petrol-powered vehicles)> (CONTINUED)



Wire colour code
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V:Violet
SB:Sky blue
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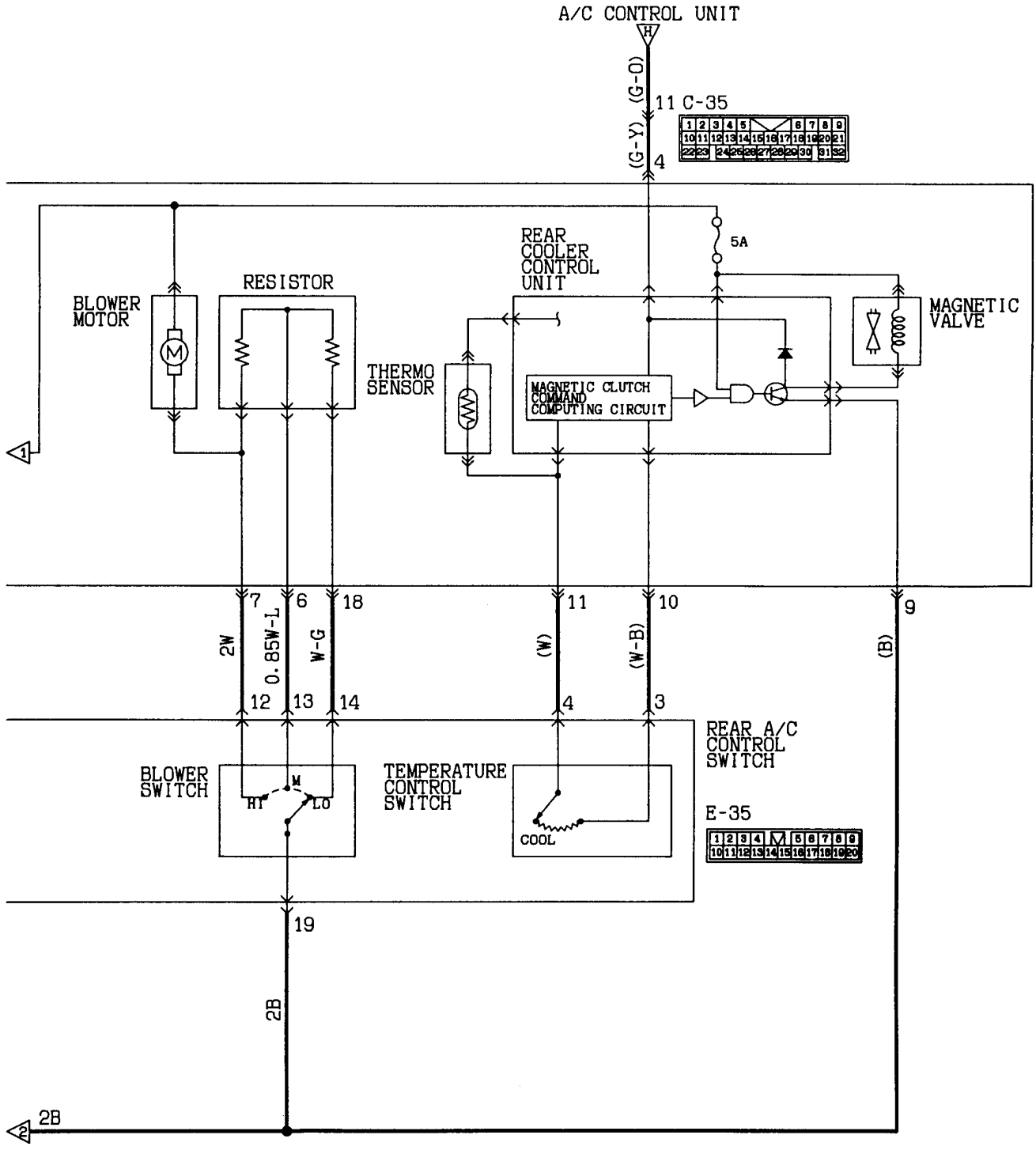


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DUAL AIR CONDITIONER
(L.H.drive vehicles without rear heater (petrol-powered vehicles)) (CONTINUED)



Wire colour code

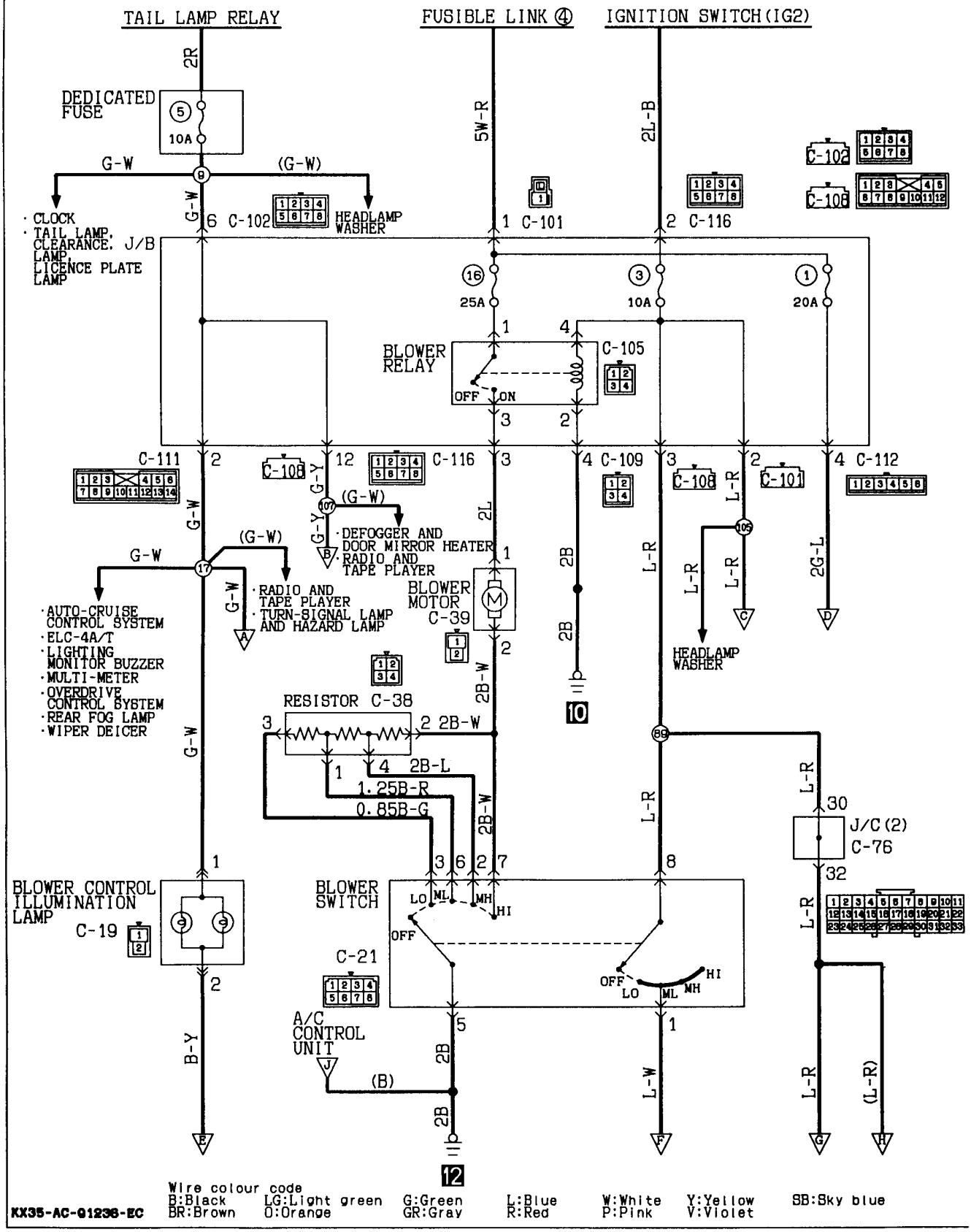
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DUAL AIR CONDITIONER

L.H. drive vehicles without rear heater
<diesel-powered vehicles>



Wire colour code

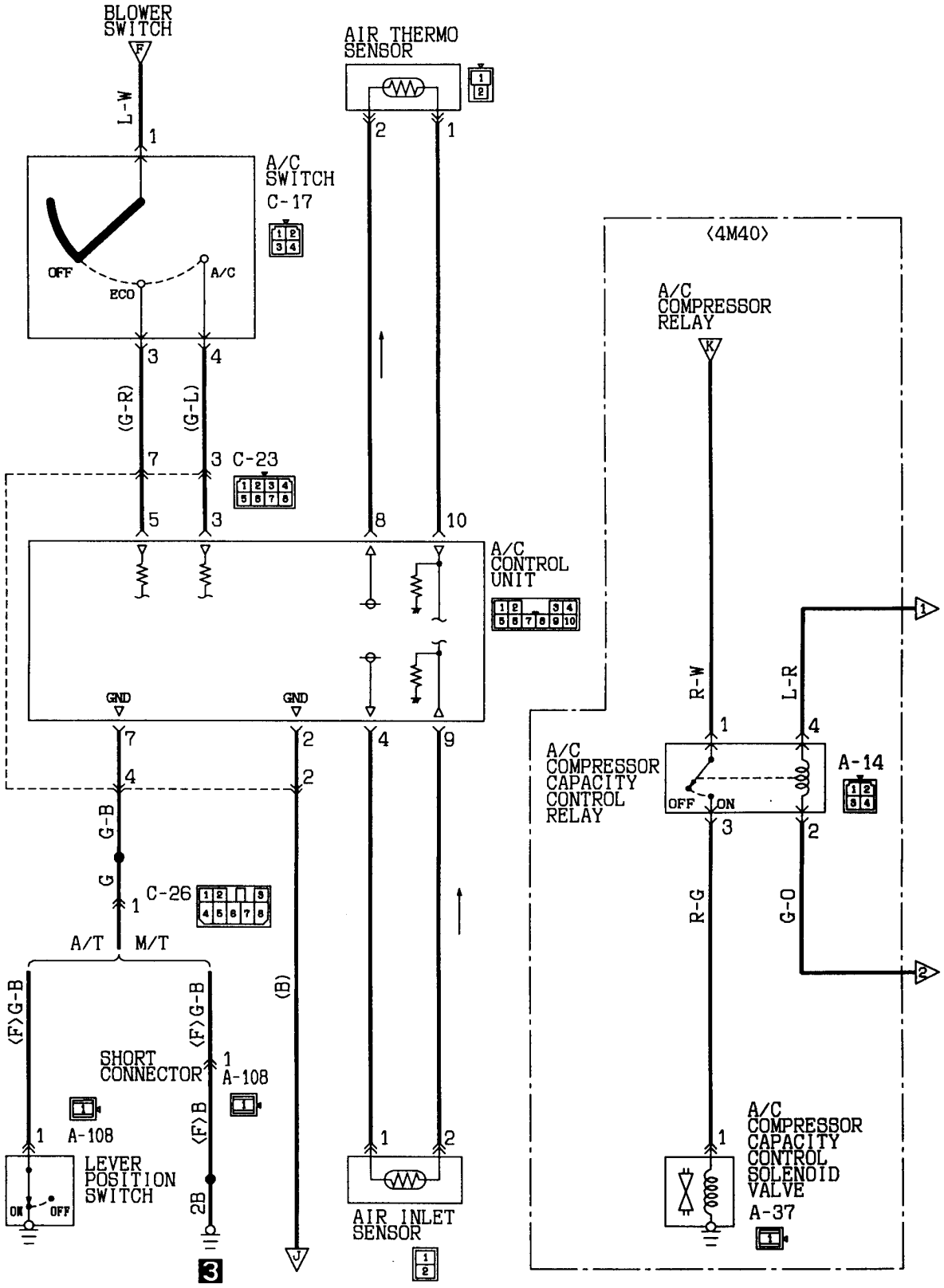
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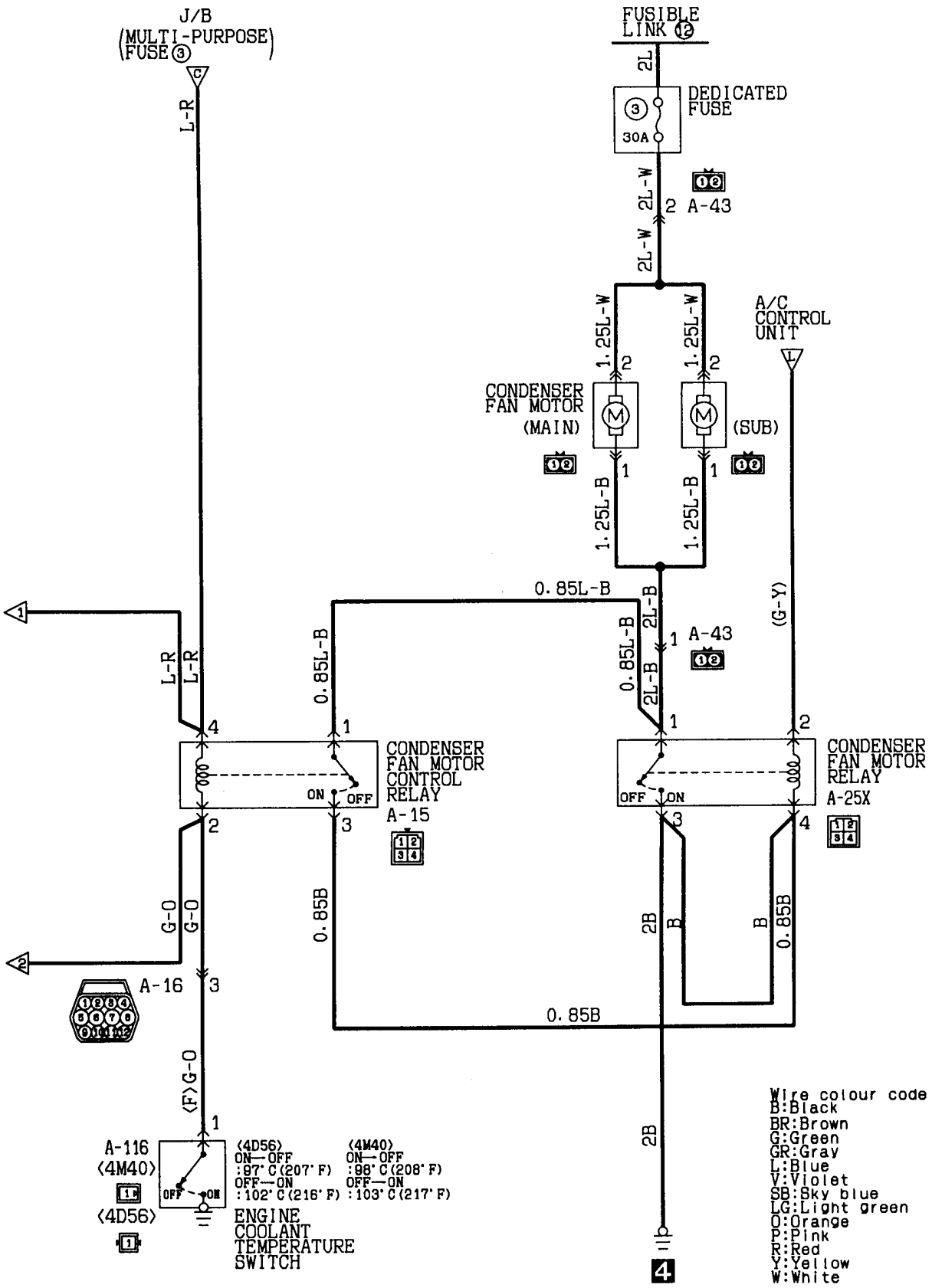
DUAL AIR CONDITIONER
〈L.H.drive vehicles without rear heater (diesel-powered vehicles)〉(CONTINUED)



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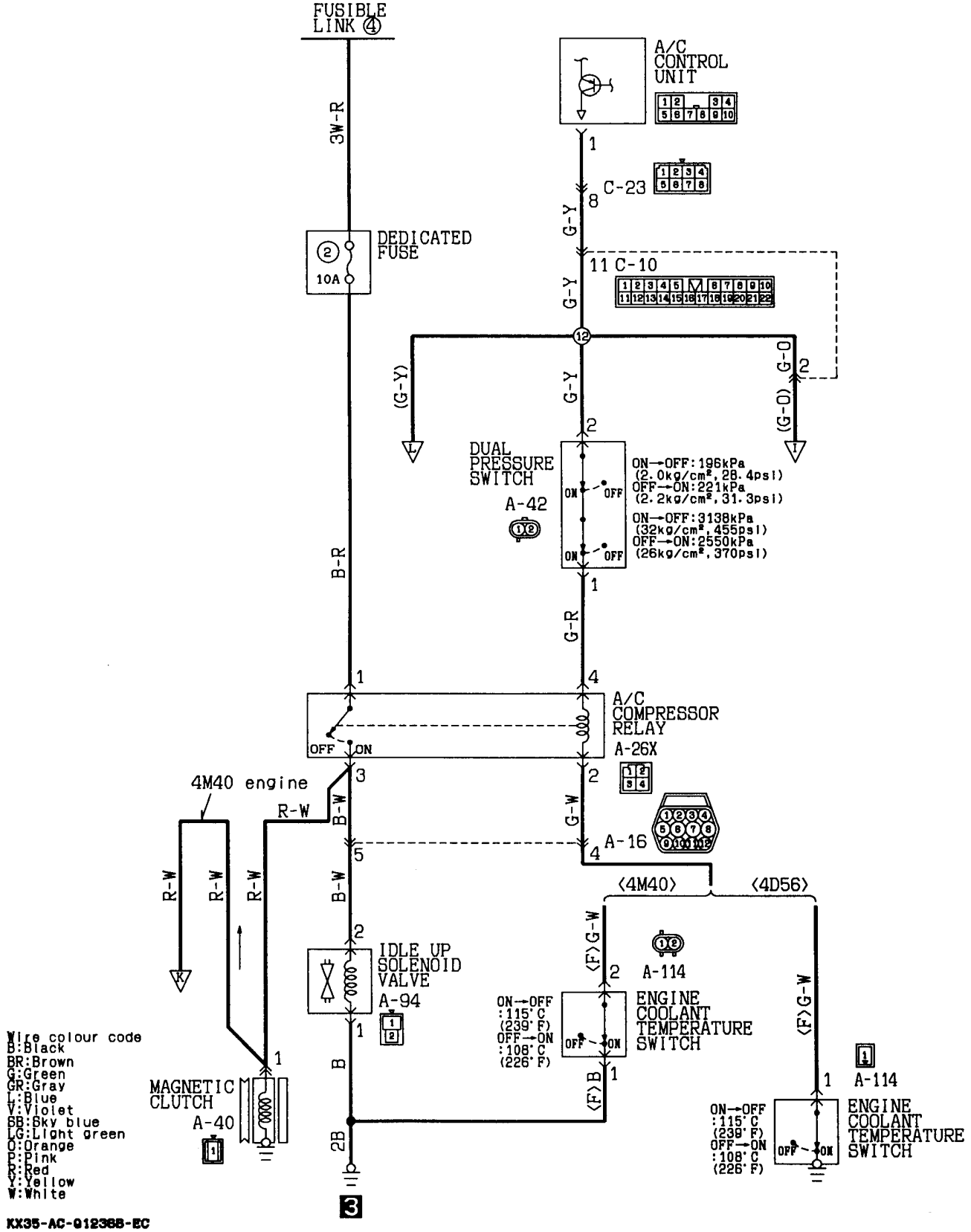
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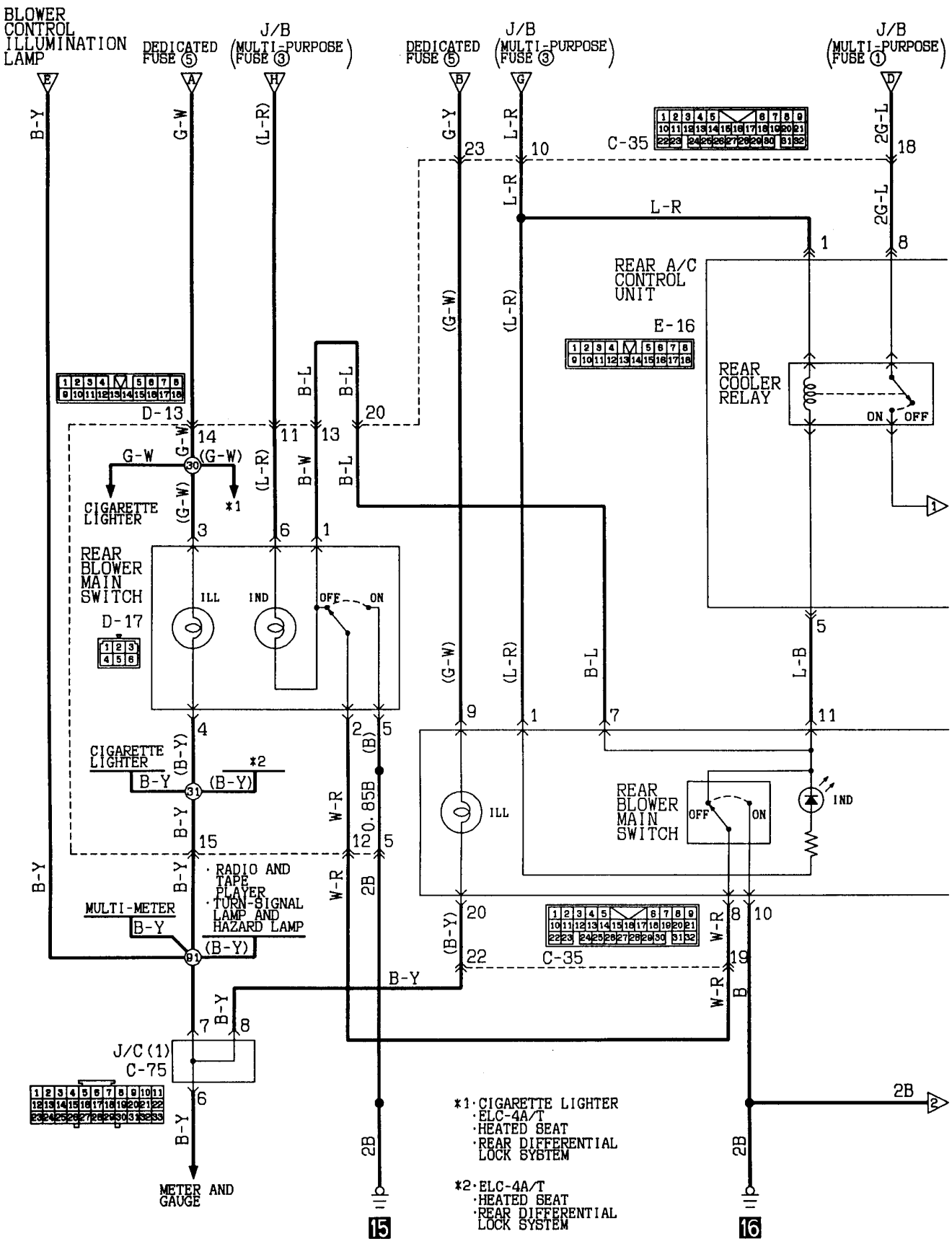
DUAL AIR CONDITIONER
(L.H. drive vehicles without rear heater (diesel-powered vehicles)) (CONTINUED)



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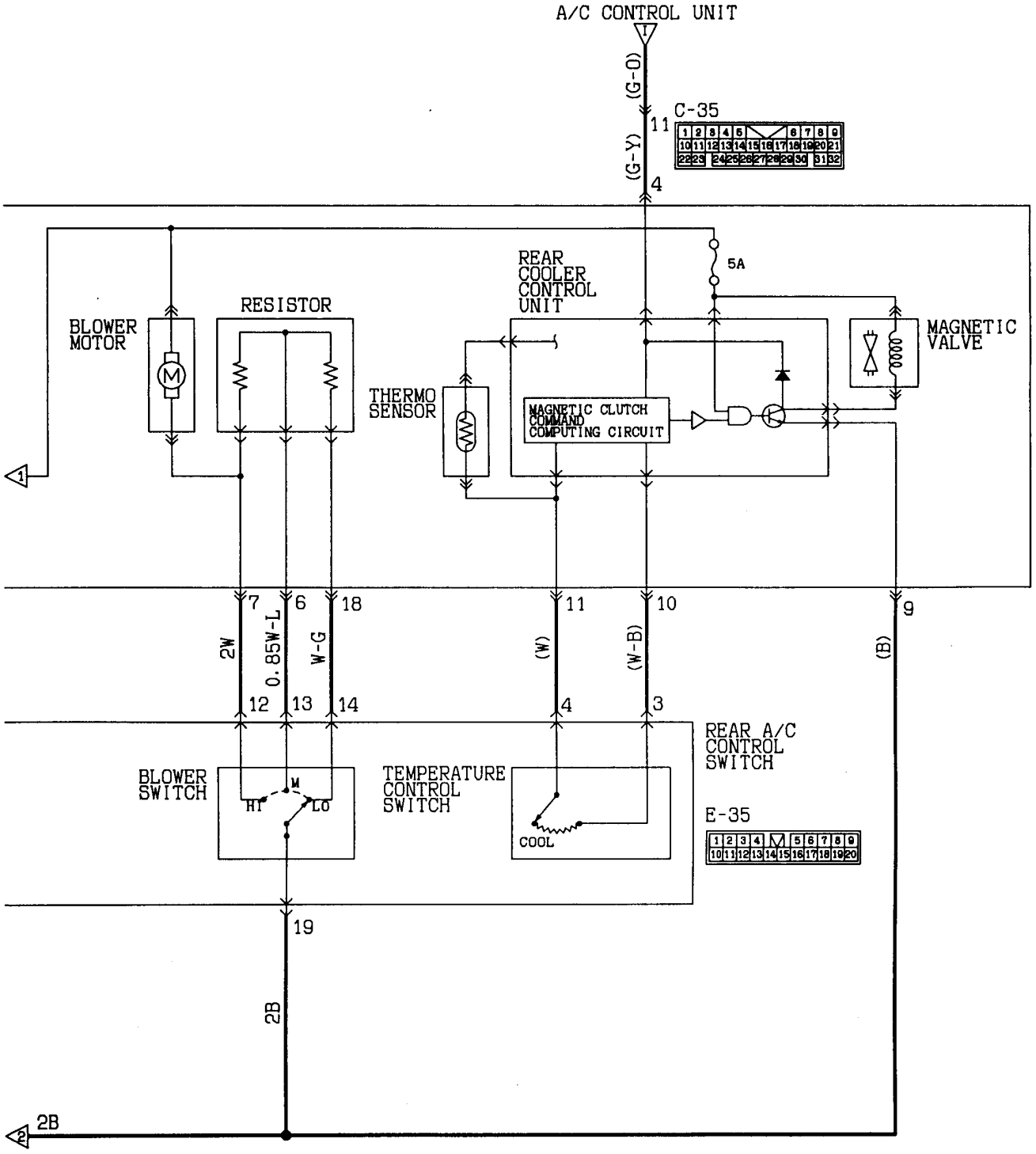


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DUAL AIR CONDITIONER
〈L.H.drive vehicles without rear heater (diesel-powered vehicles)〉(CONTINUED)



Wire colour code

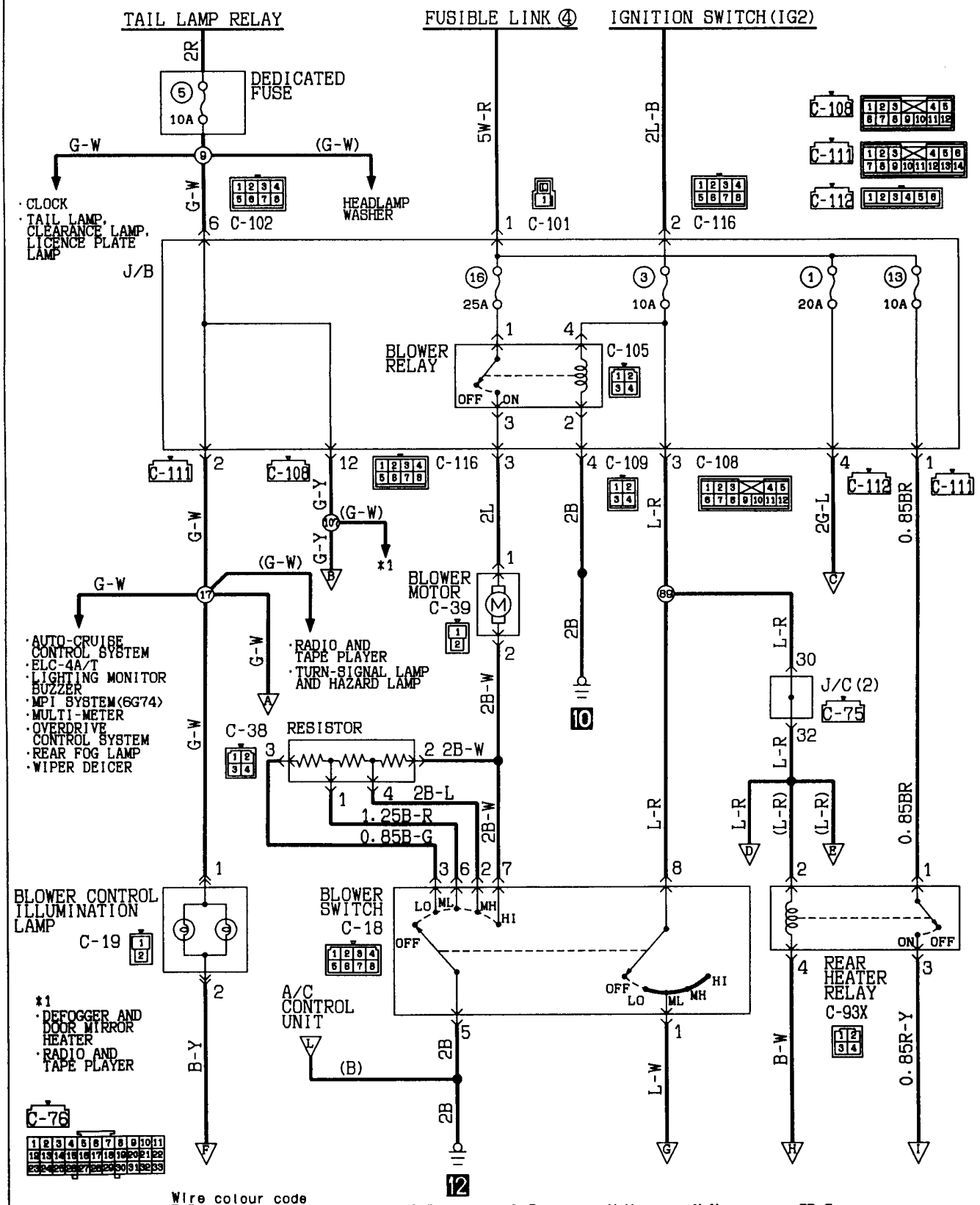
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DUAL AIR CONDITIONER

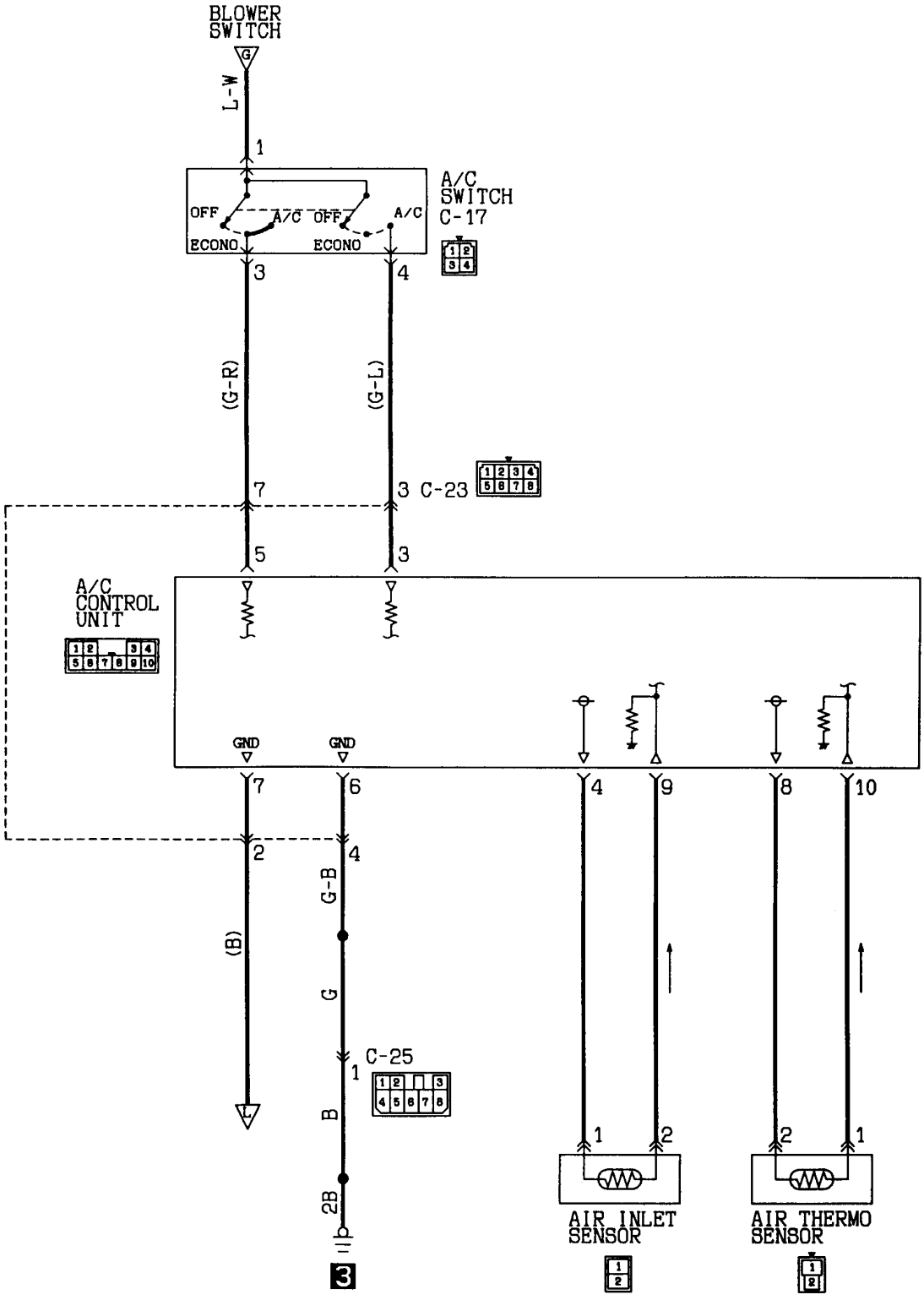
L.H. drive vehicles with rear heater <petrol-powered vehicles>



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DUAL AIR CONDITIONER
〈L.H. drive vehicles with rear heater (petrol-powered vehicles)〉 (CONTINUED)



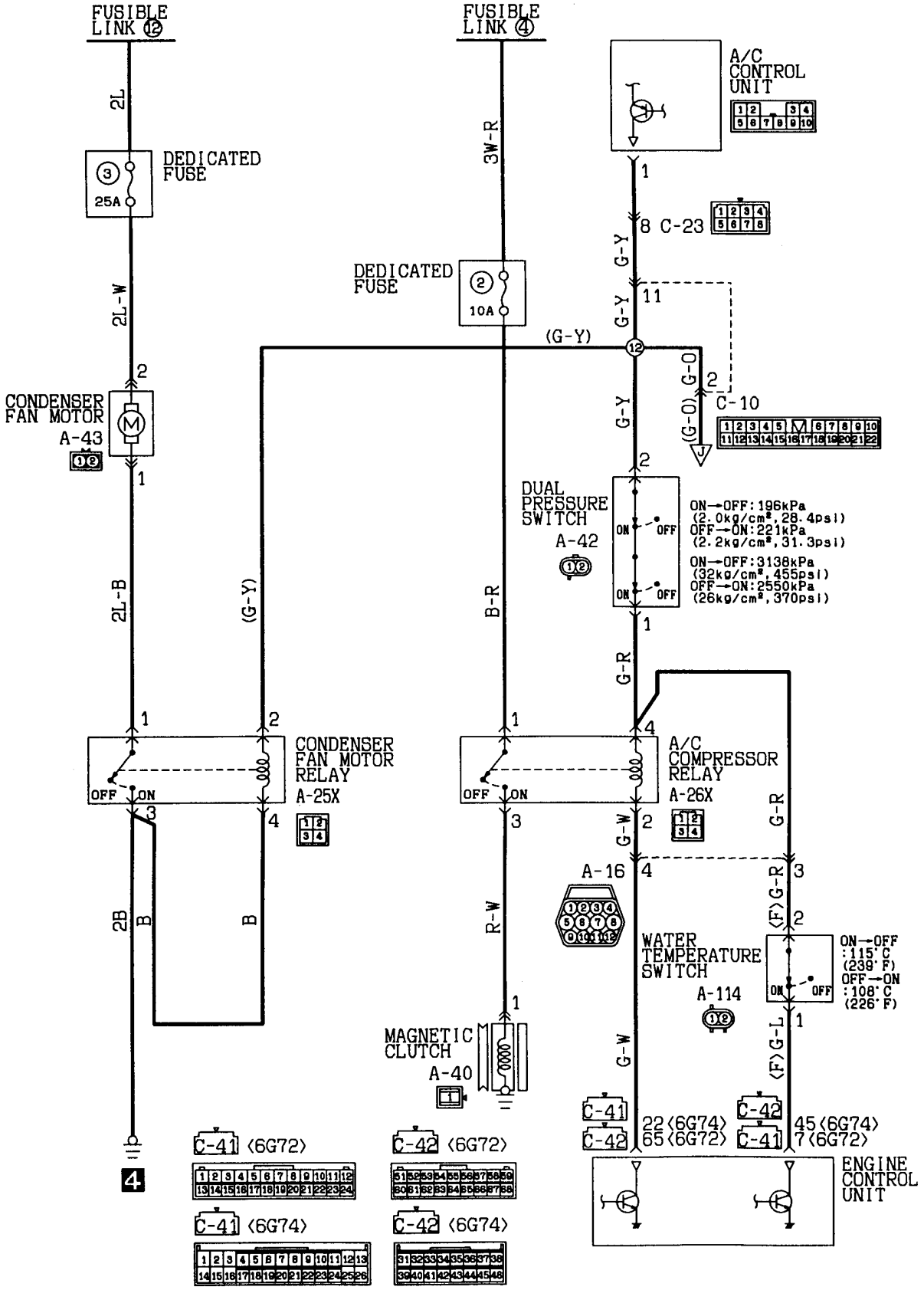
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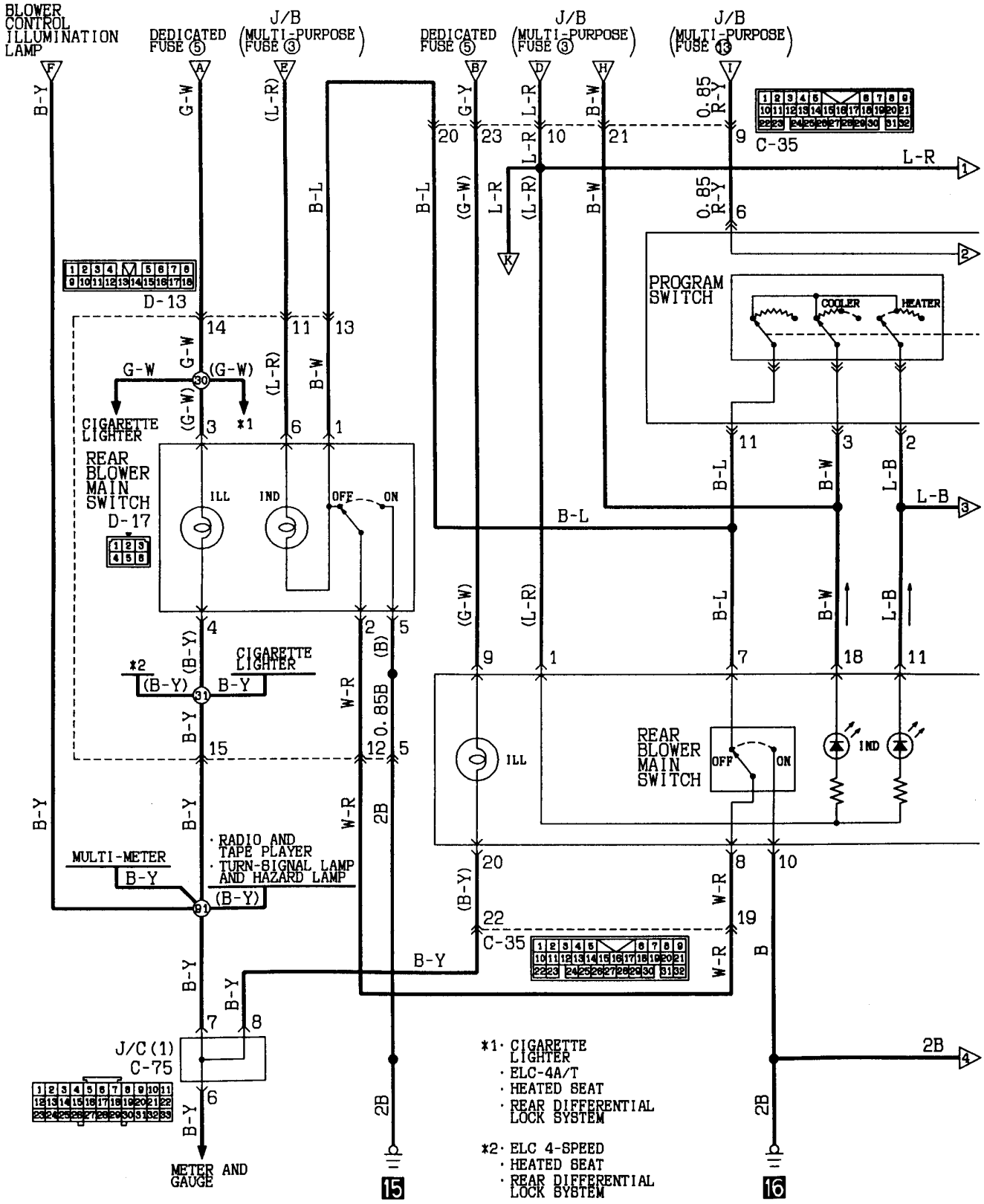
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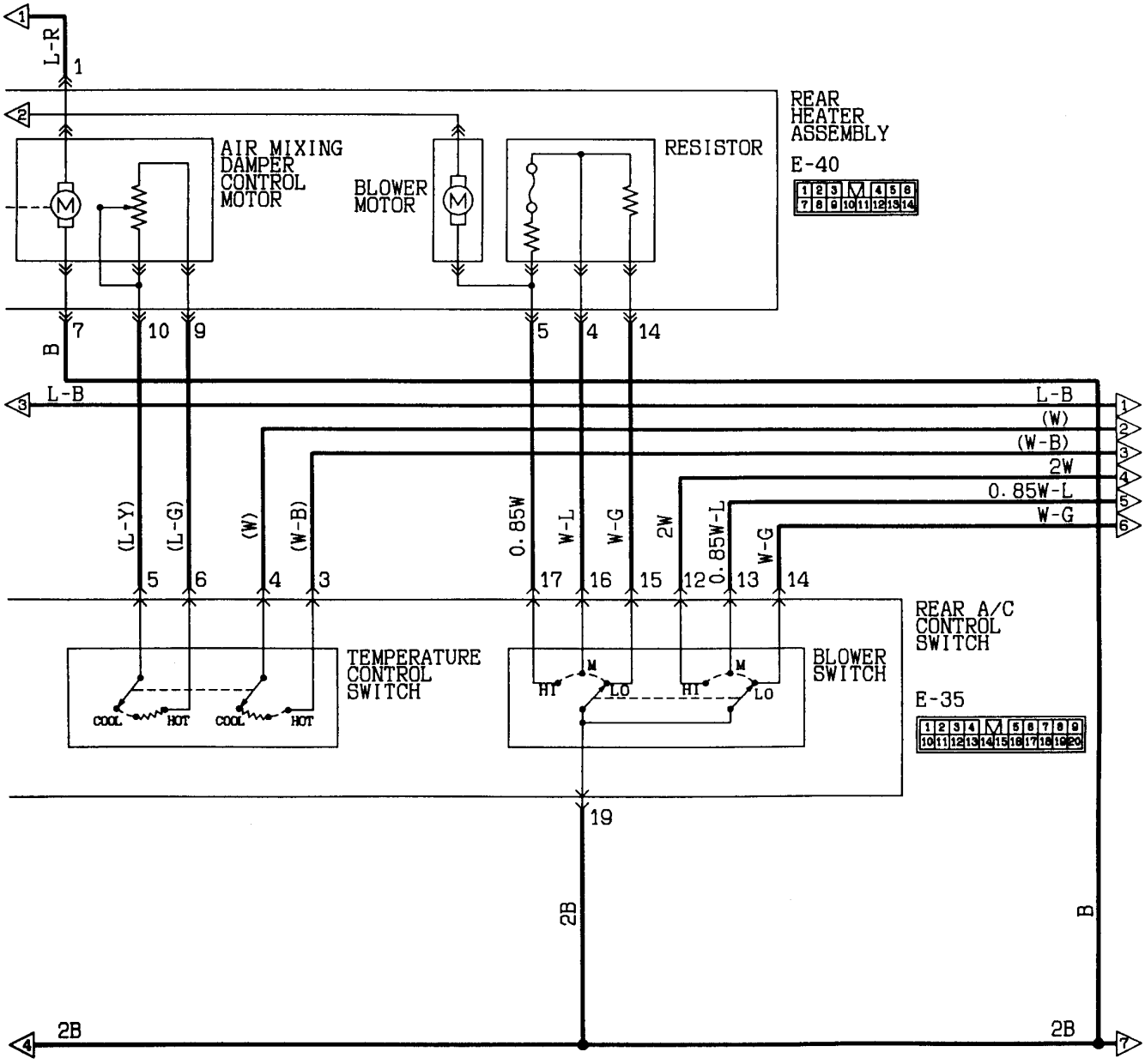
DUAL AIR CONDITIONER
〈L.H.drive vehicles with rear heater (petrol-powered vehicles)〉(CONTINUED)



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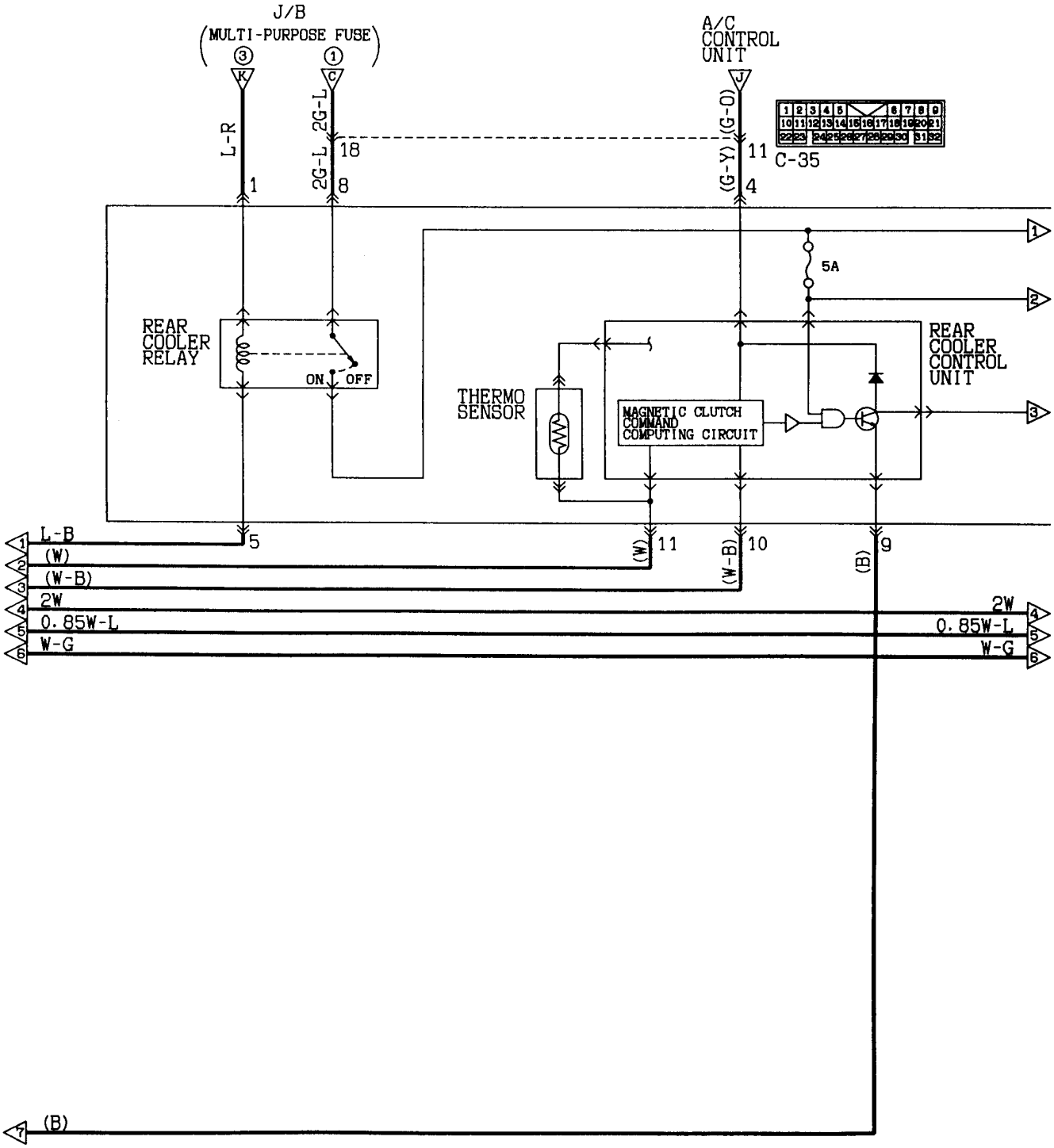
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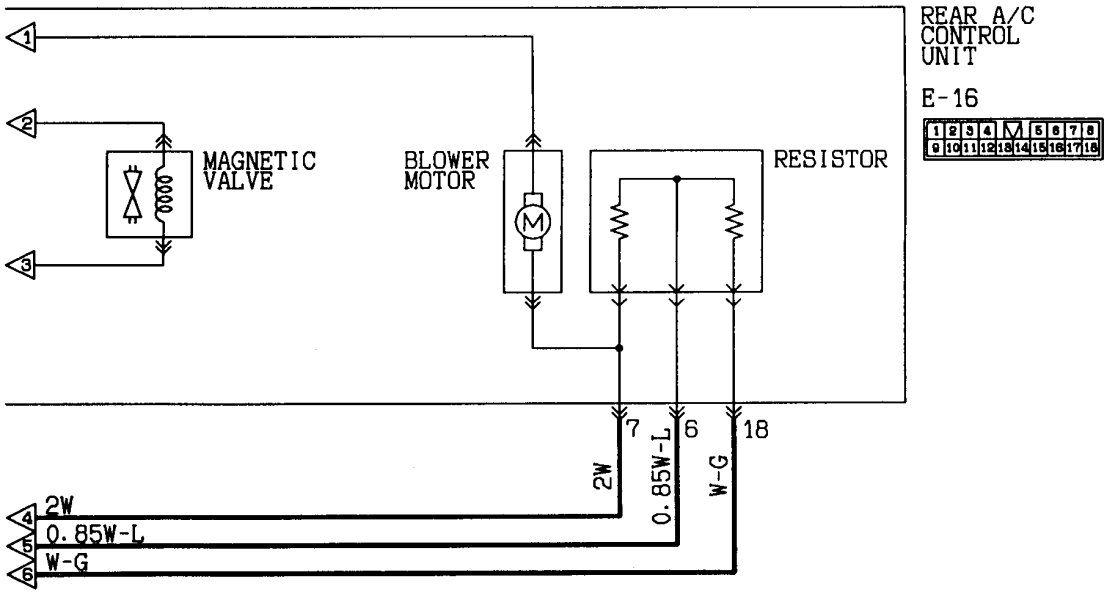
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DUAL AIR CONDITIONER
〈L.H. drive vehicles with rear heater (petrol-powered vehicles)〉 (CONTINUED)



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Wire colour code

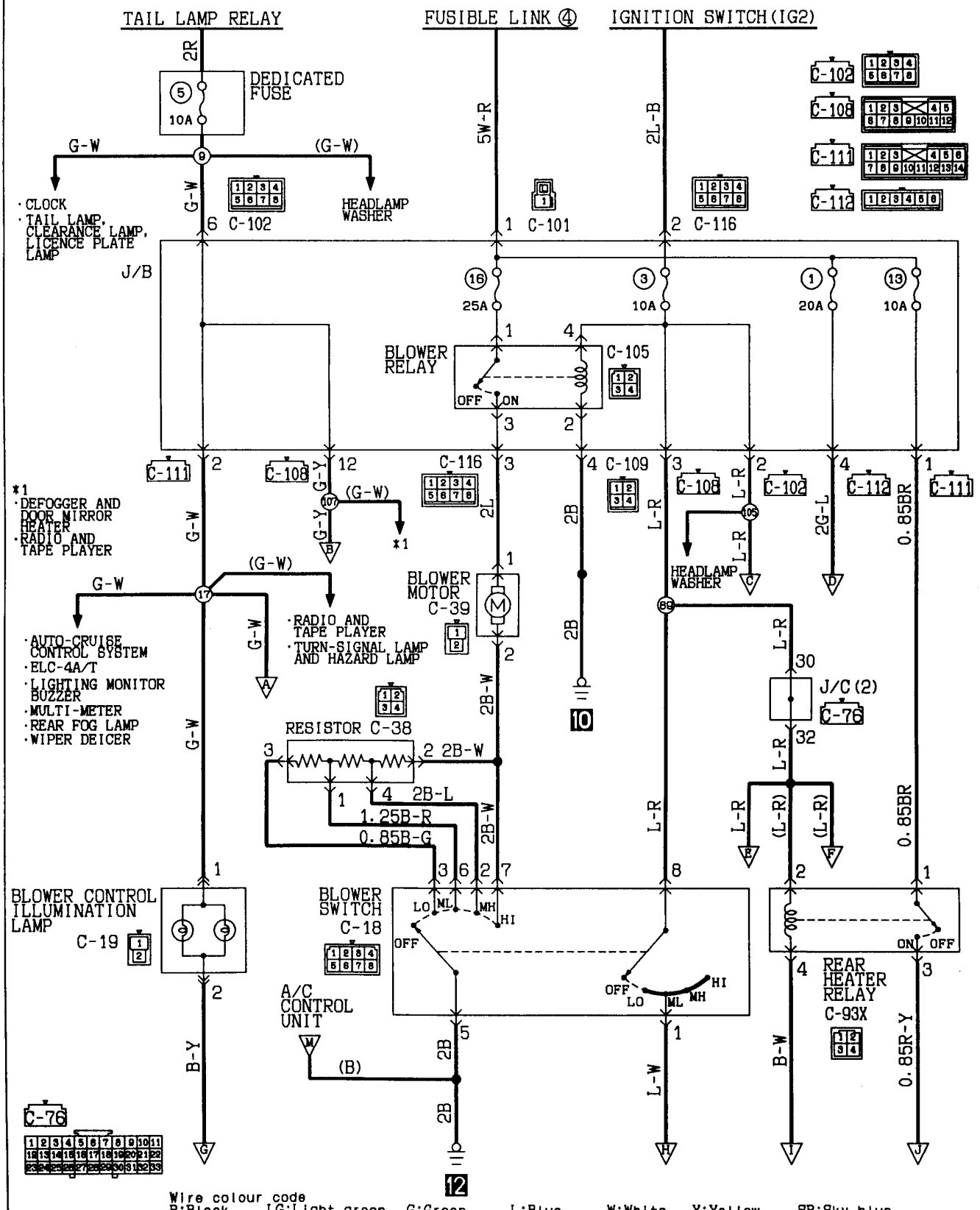
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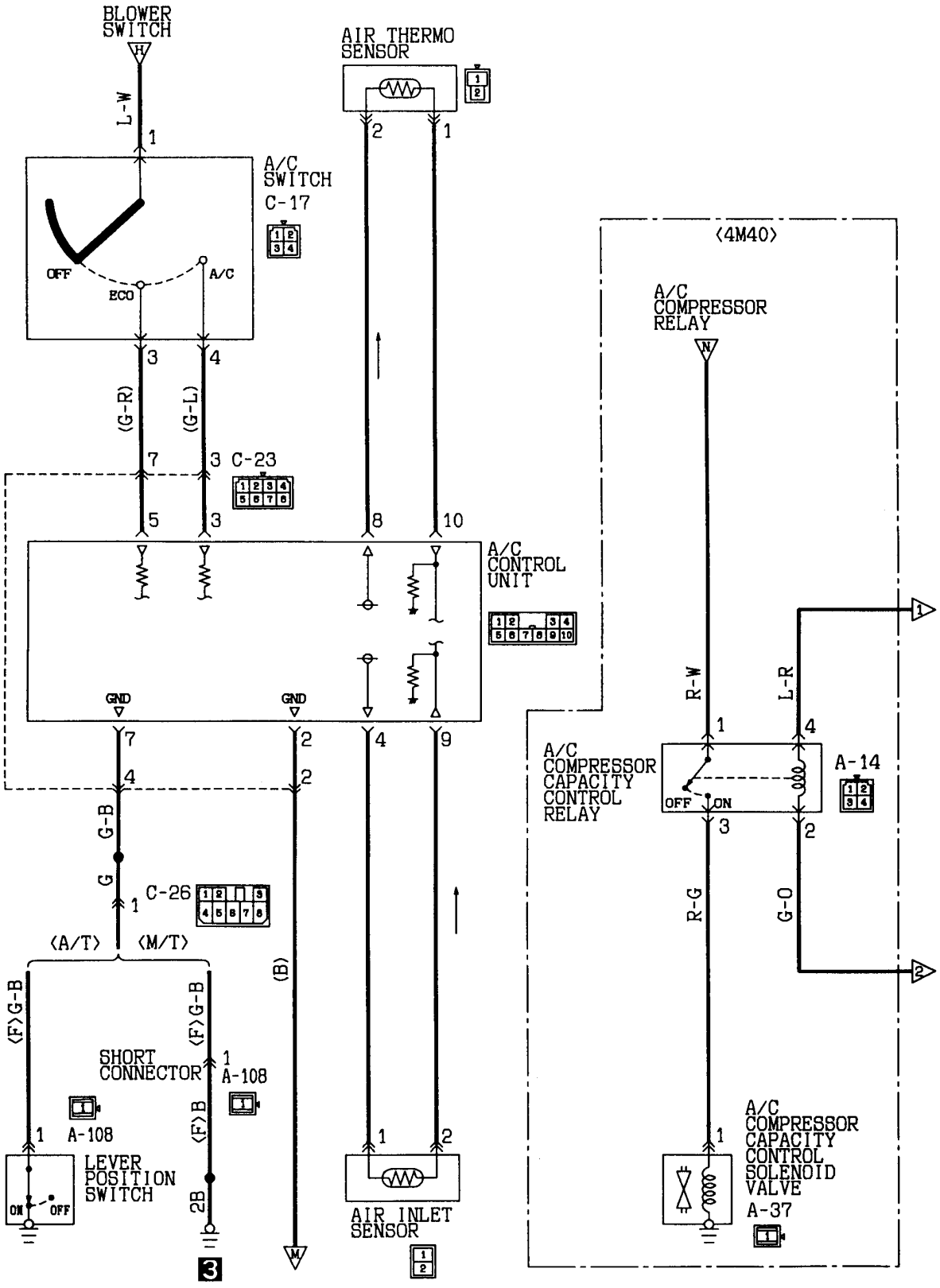
DUAL AIR CONDITIONER

L.H. drive vehicles with rear heater <diesel-powered vehicles>



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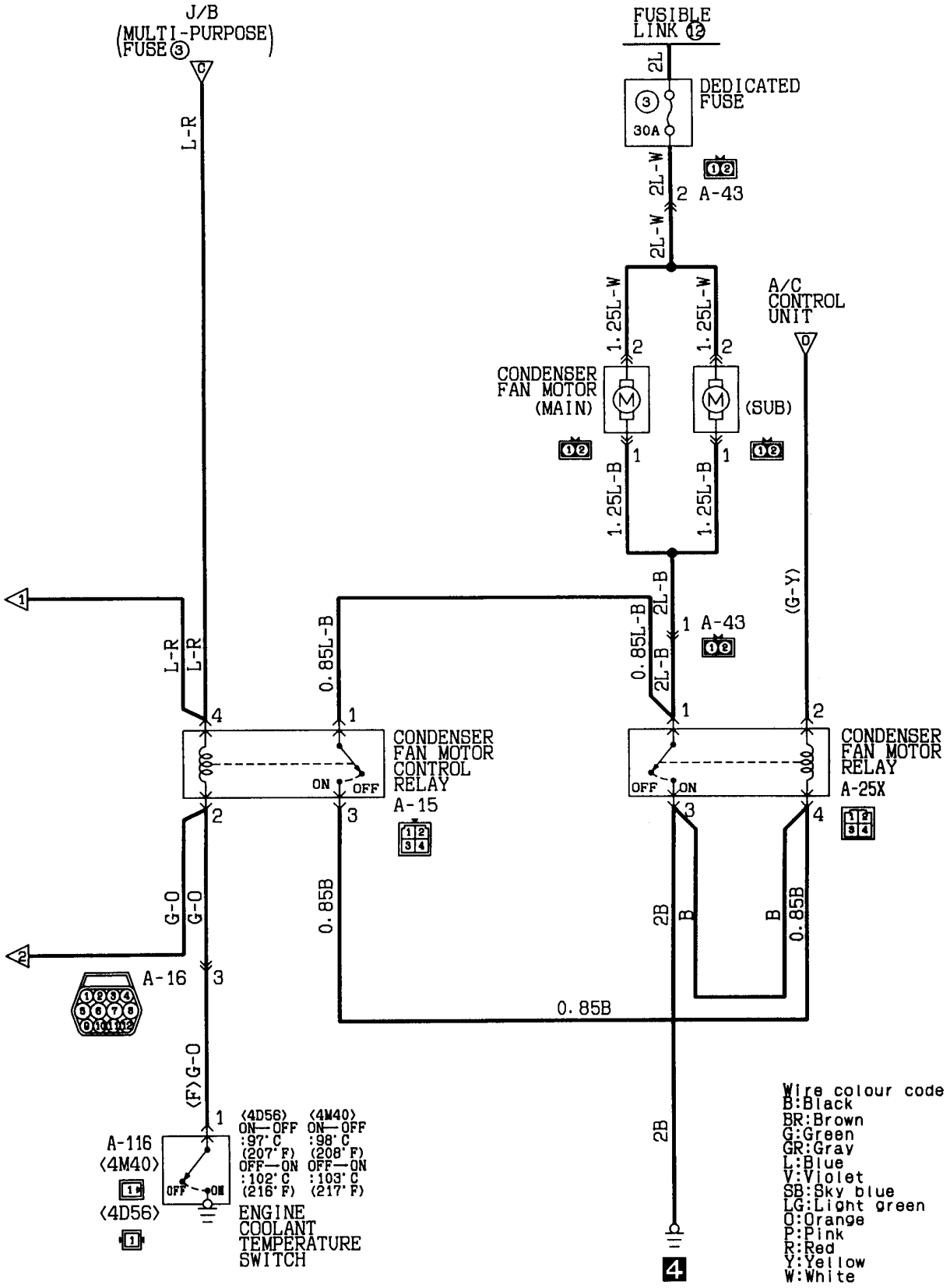


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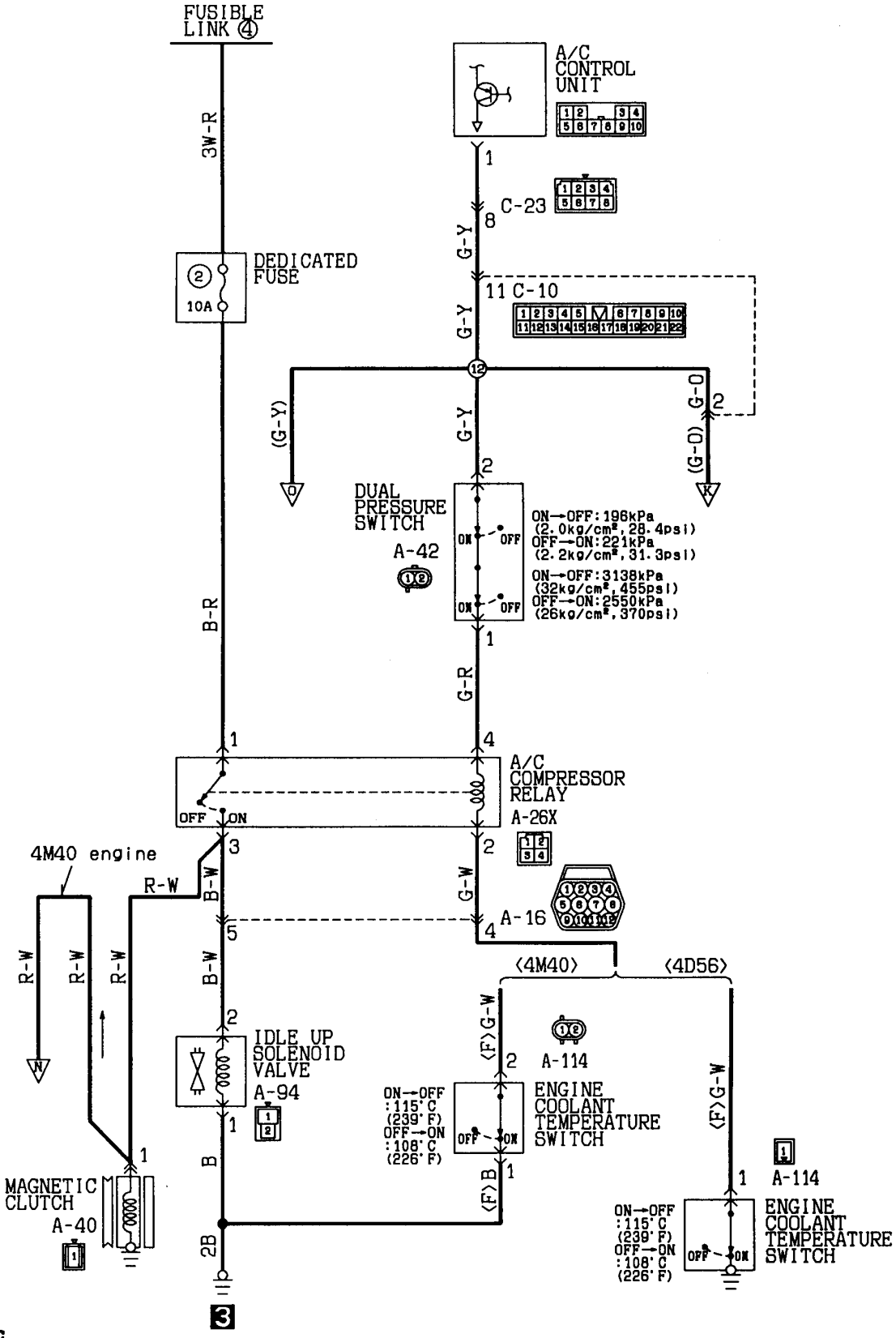
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DUAL AIR CONDITIONER
〈L.H.drive vehicles with rear heater (diesel-powered vehicles)〉(CONTINUED)



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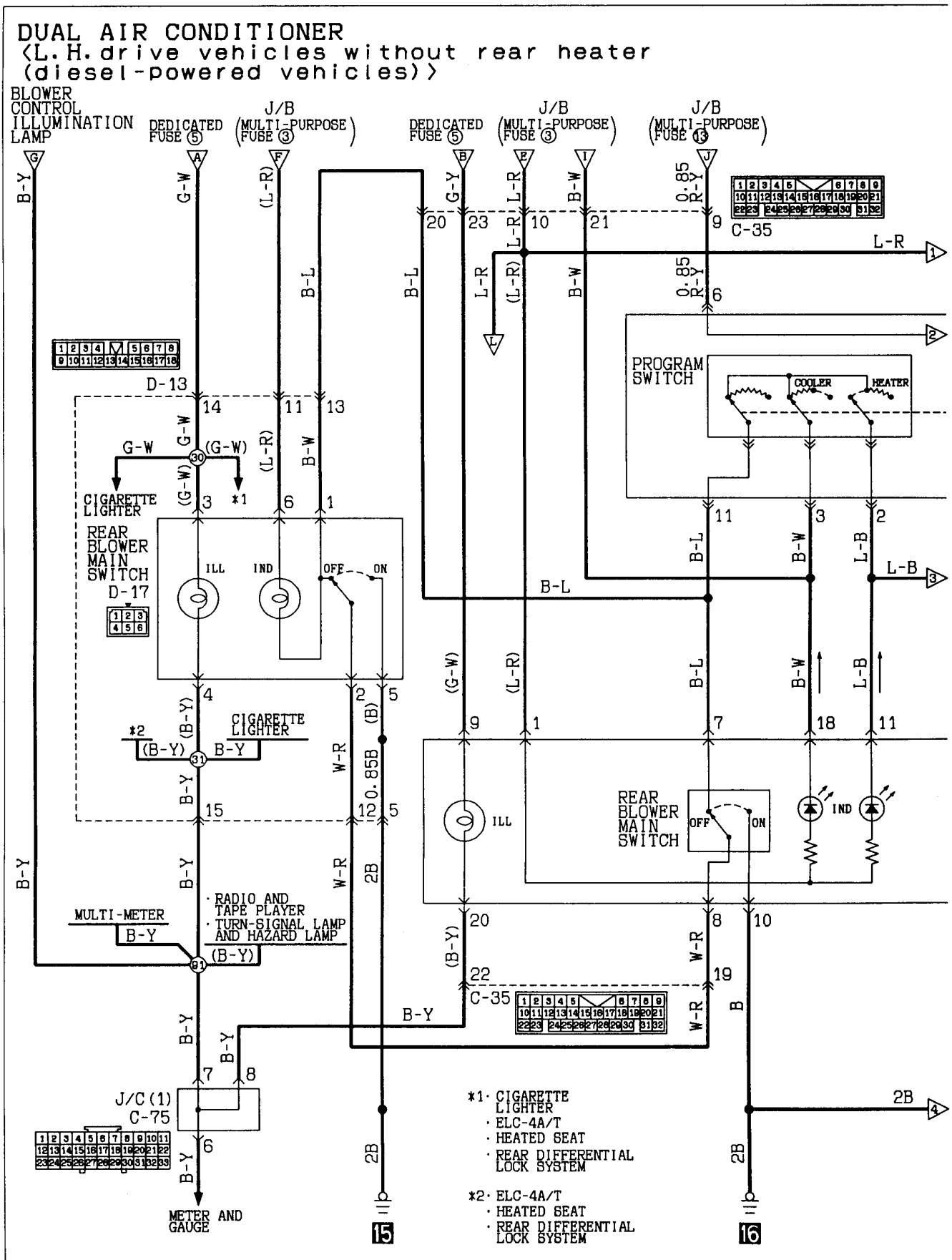
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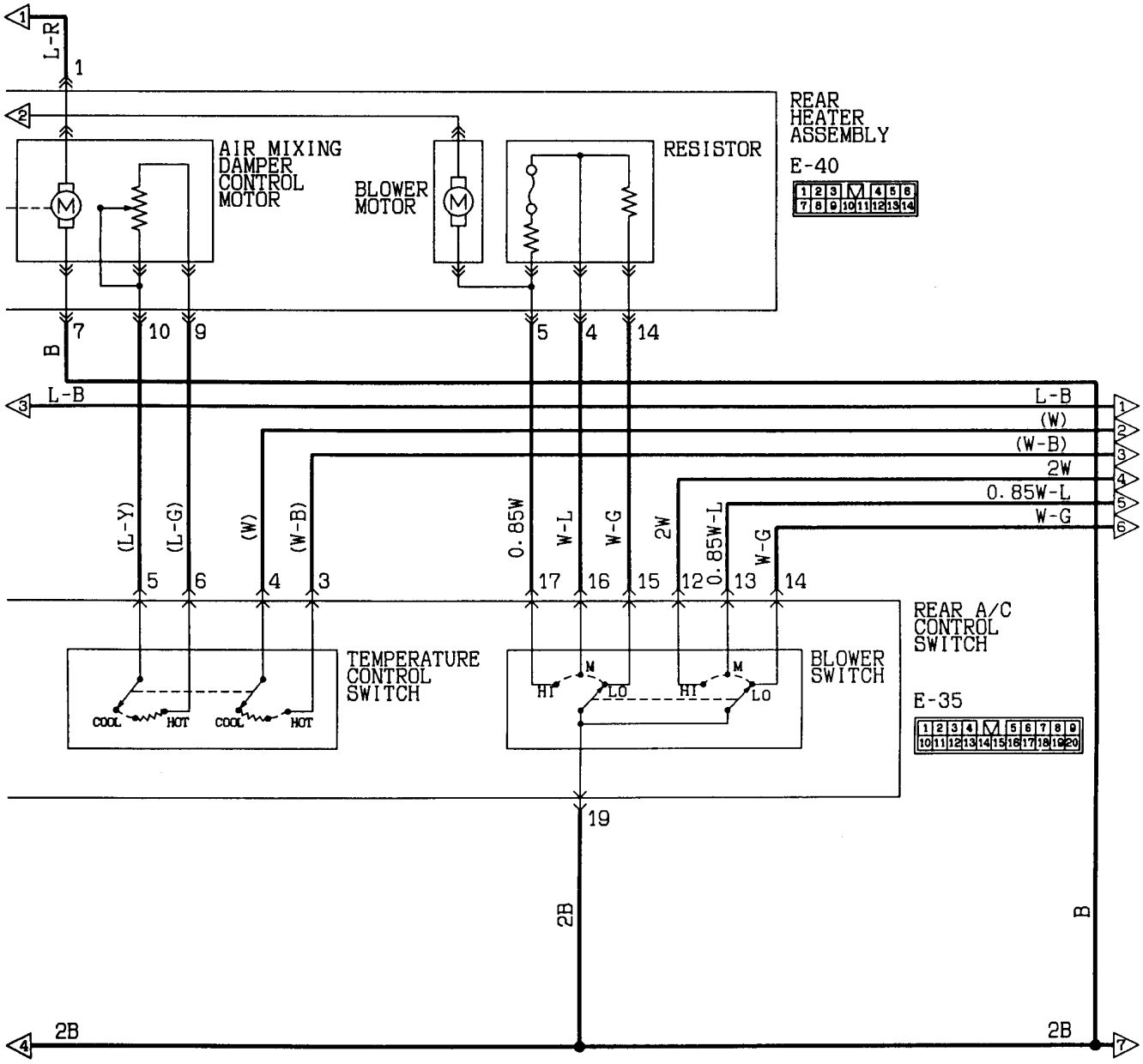
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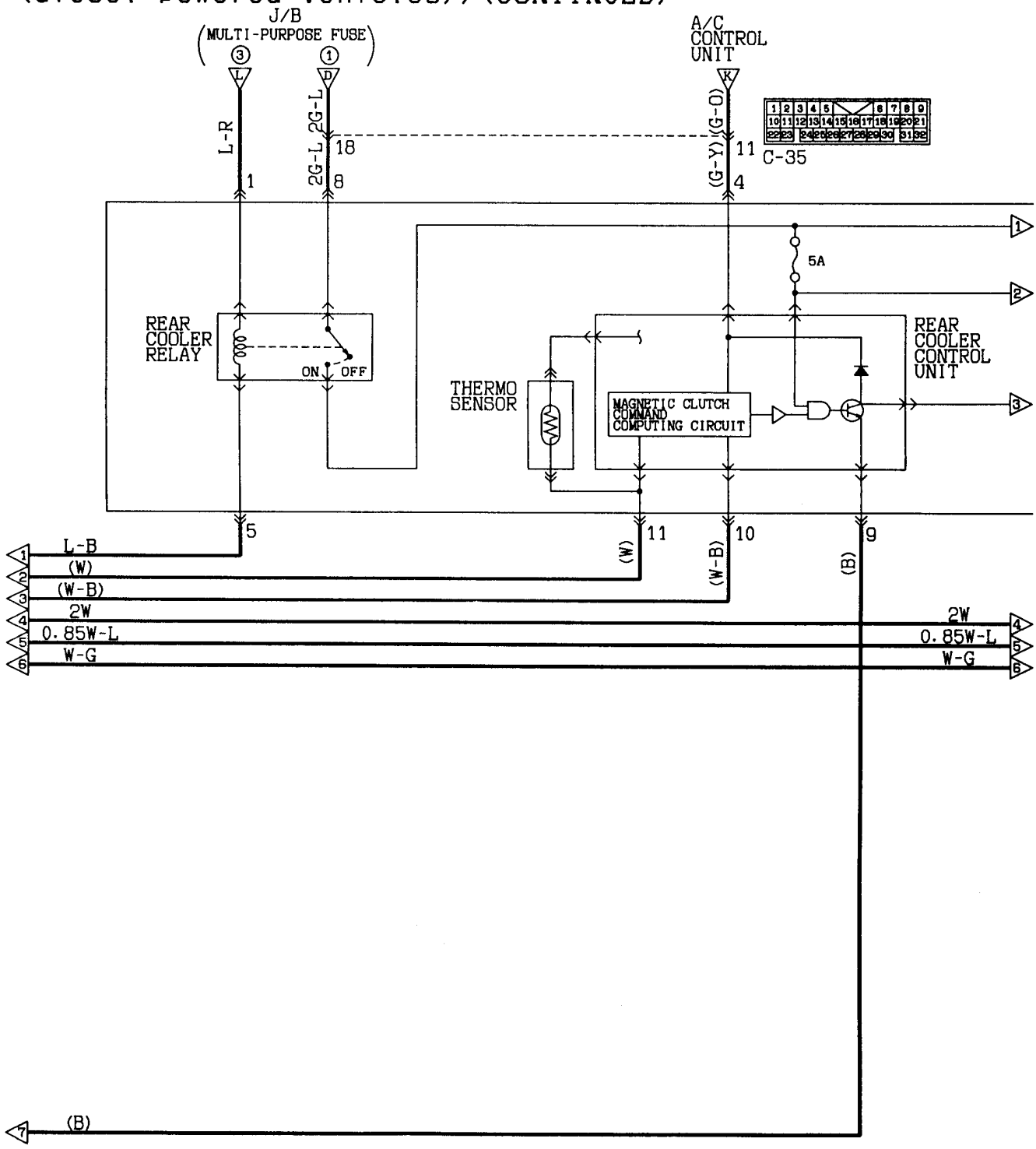
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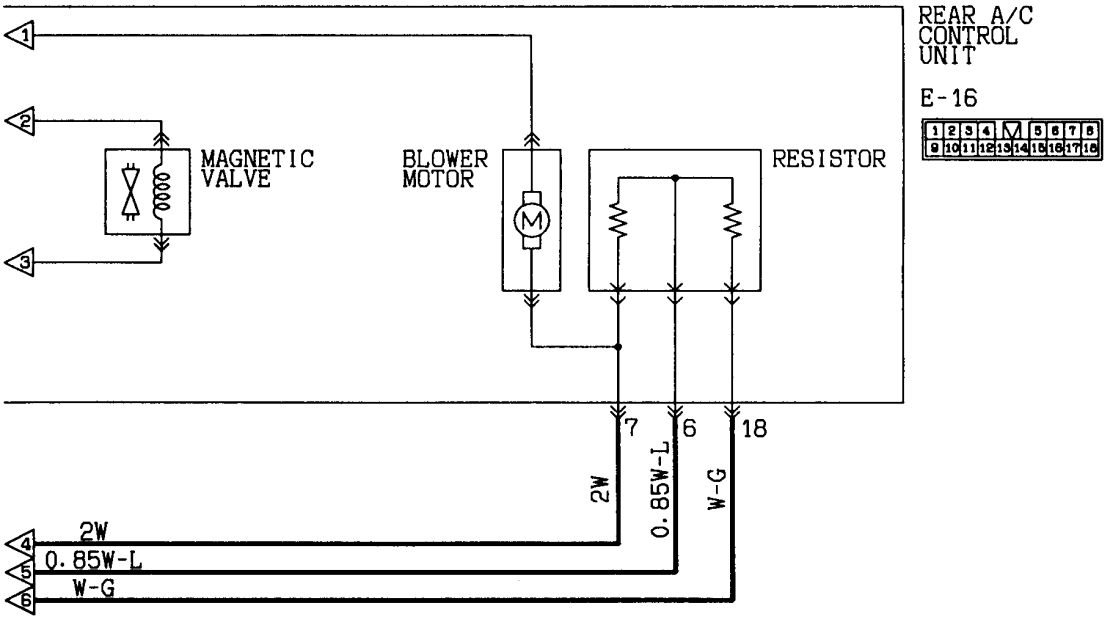
DUAL AIR CONDITIONER
<L.H.drive vehicles with rear heater (diesel-powered vehicles)> (CONTINUED)



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Wire colour code

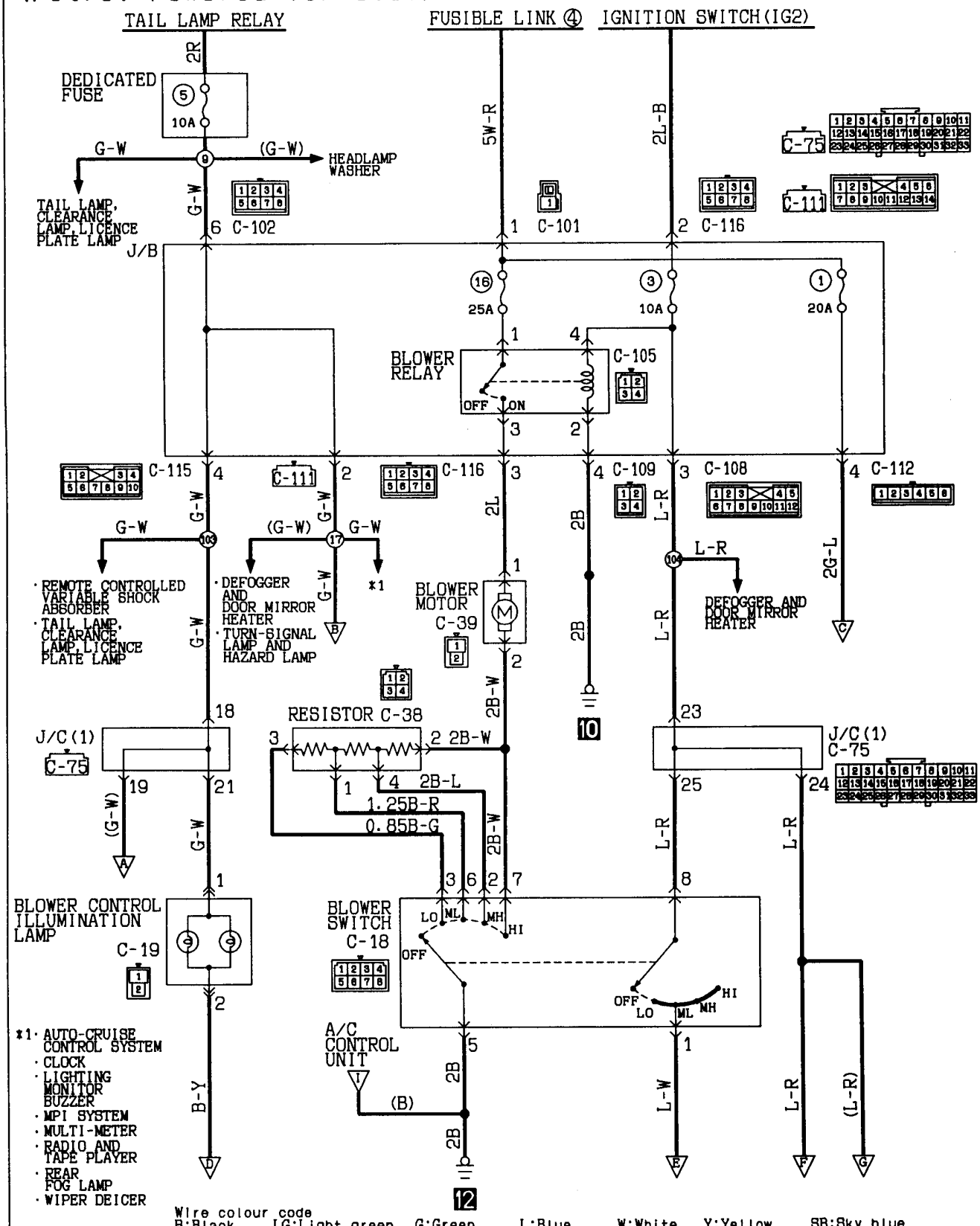
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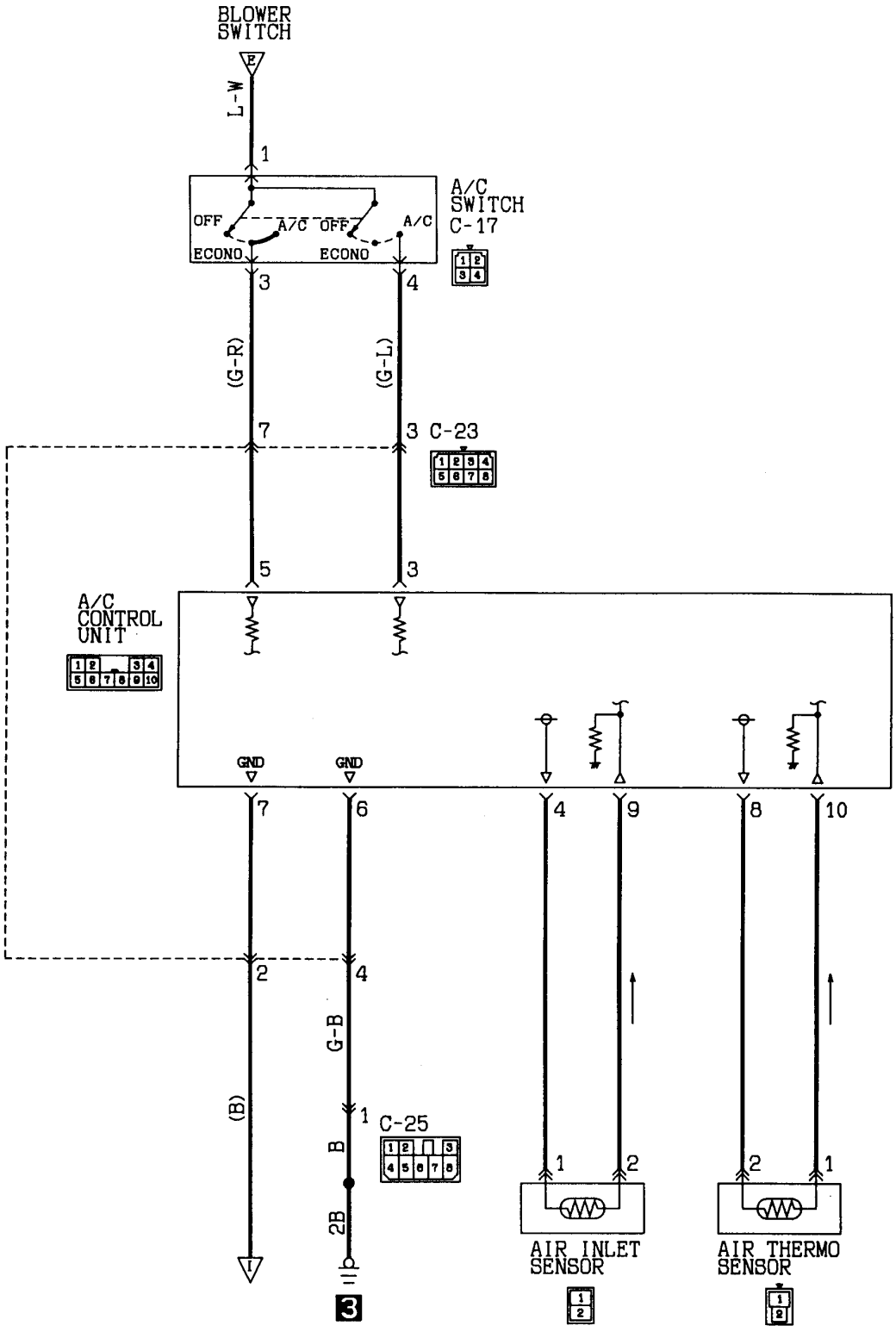
DUAL AIR CONDITIONER

R.H. drive vehicles without rear heater
<petrol-powered vehicles>



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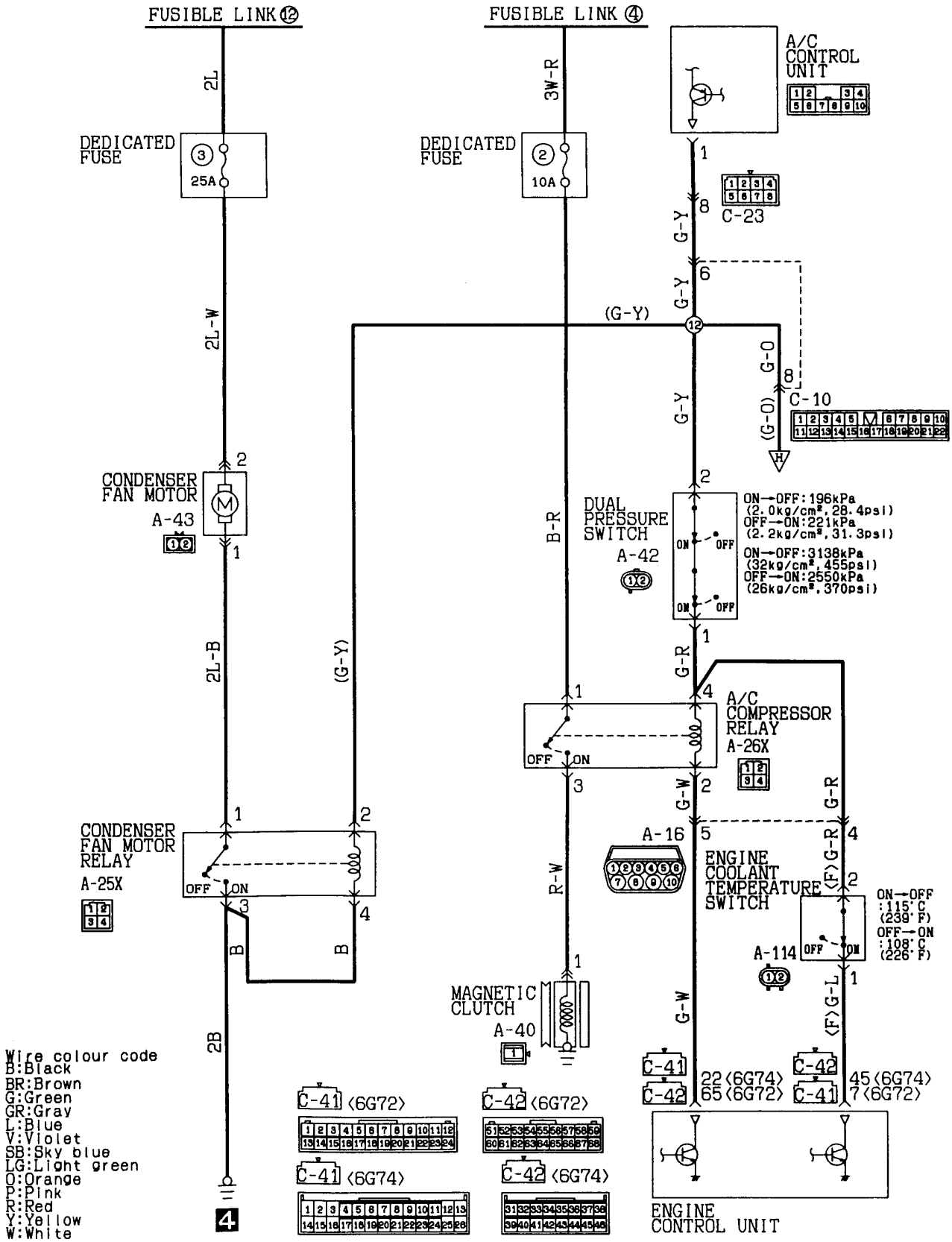
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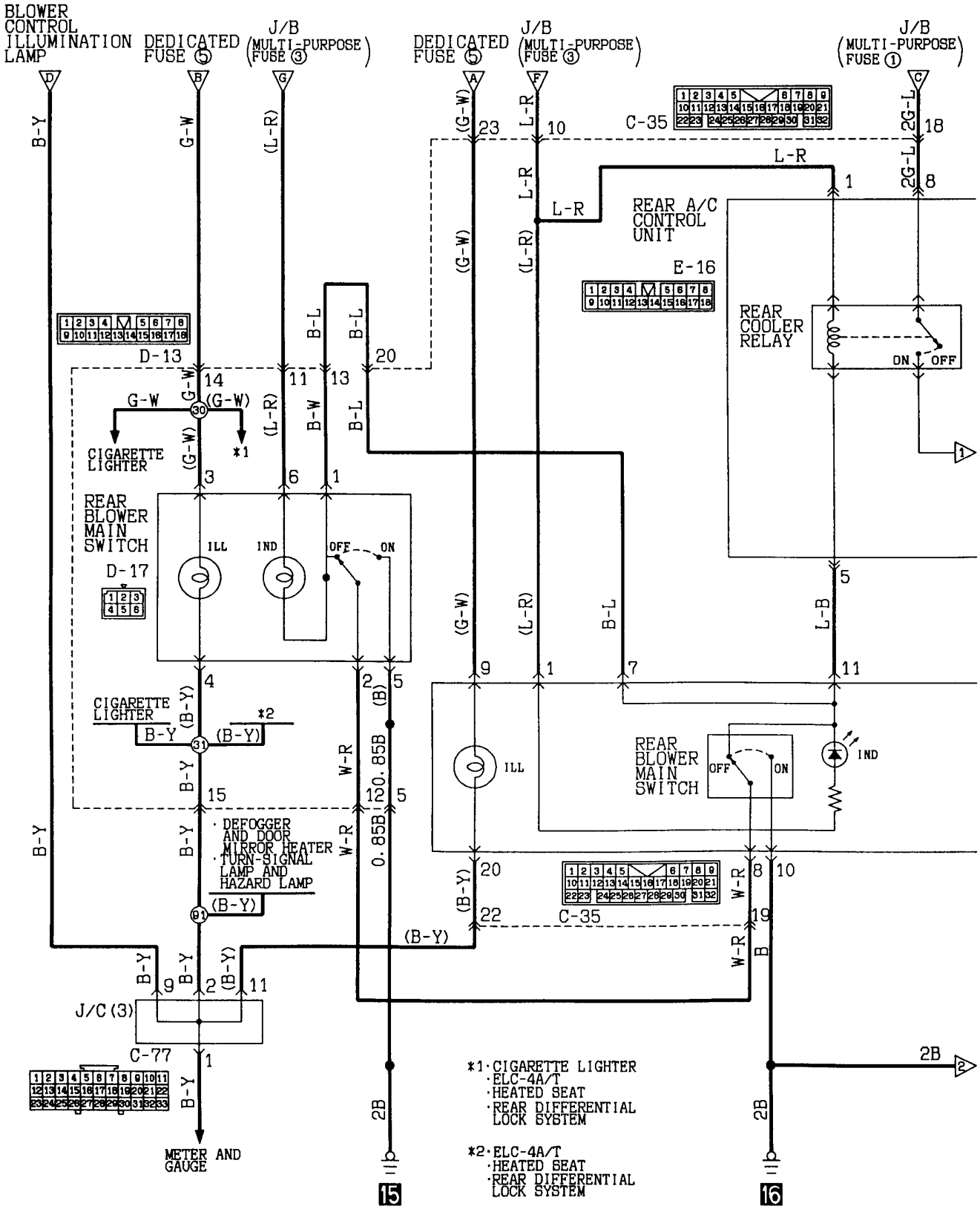
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DUAL AIR CONDITIONER
〈R.H.drive vehicles without rear heater (petrol-powered vehicles)〉(CONTINUED)



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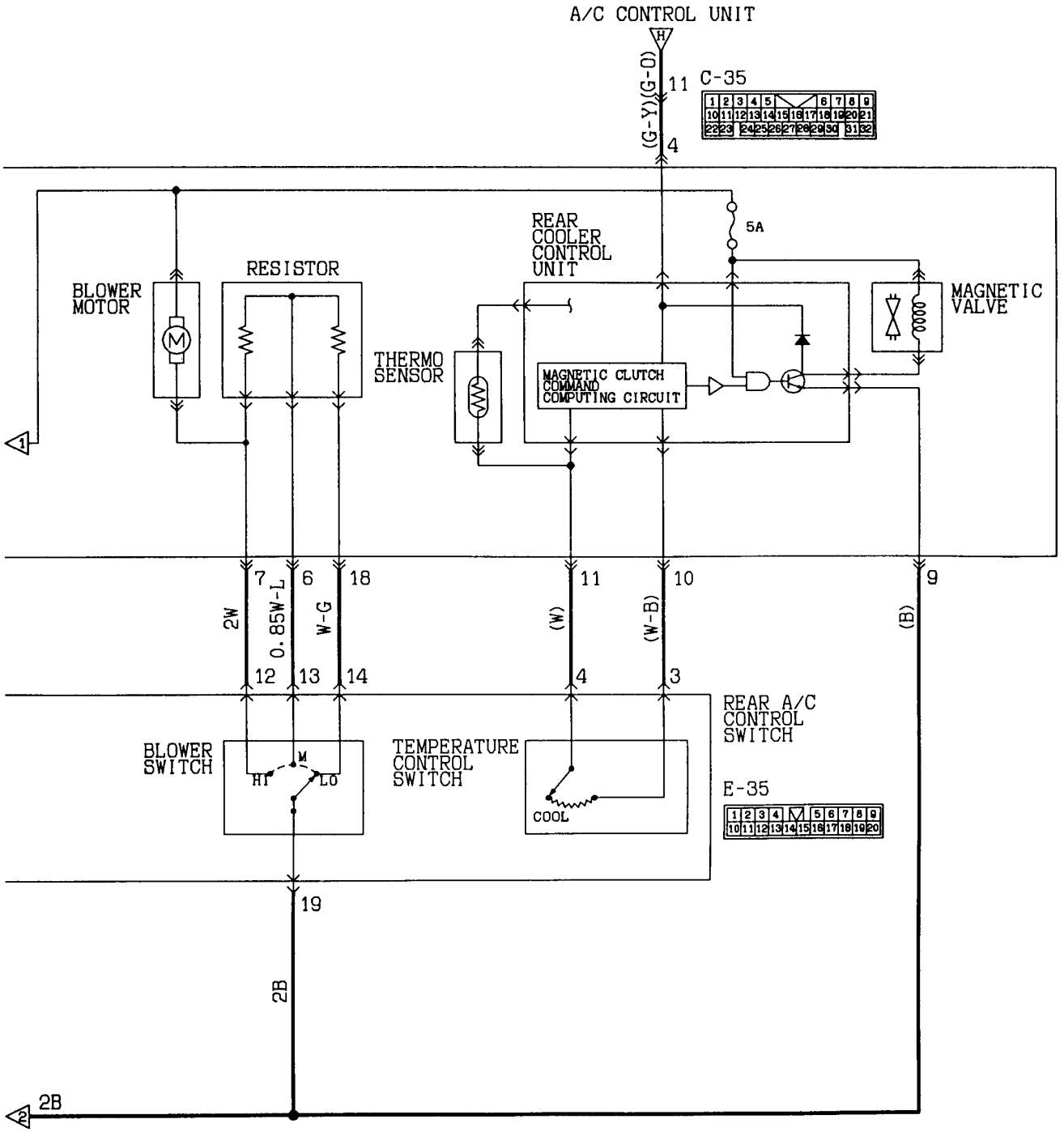


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DUAL AIR CONDITIONER
〈R.H.drive vehicles without rear heater (petrol-powered vehicles)〉(CONTINUED)



Wire colour code

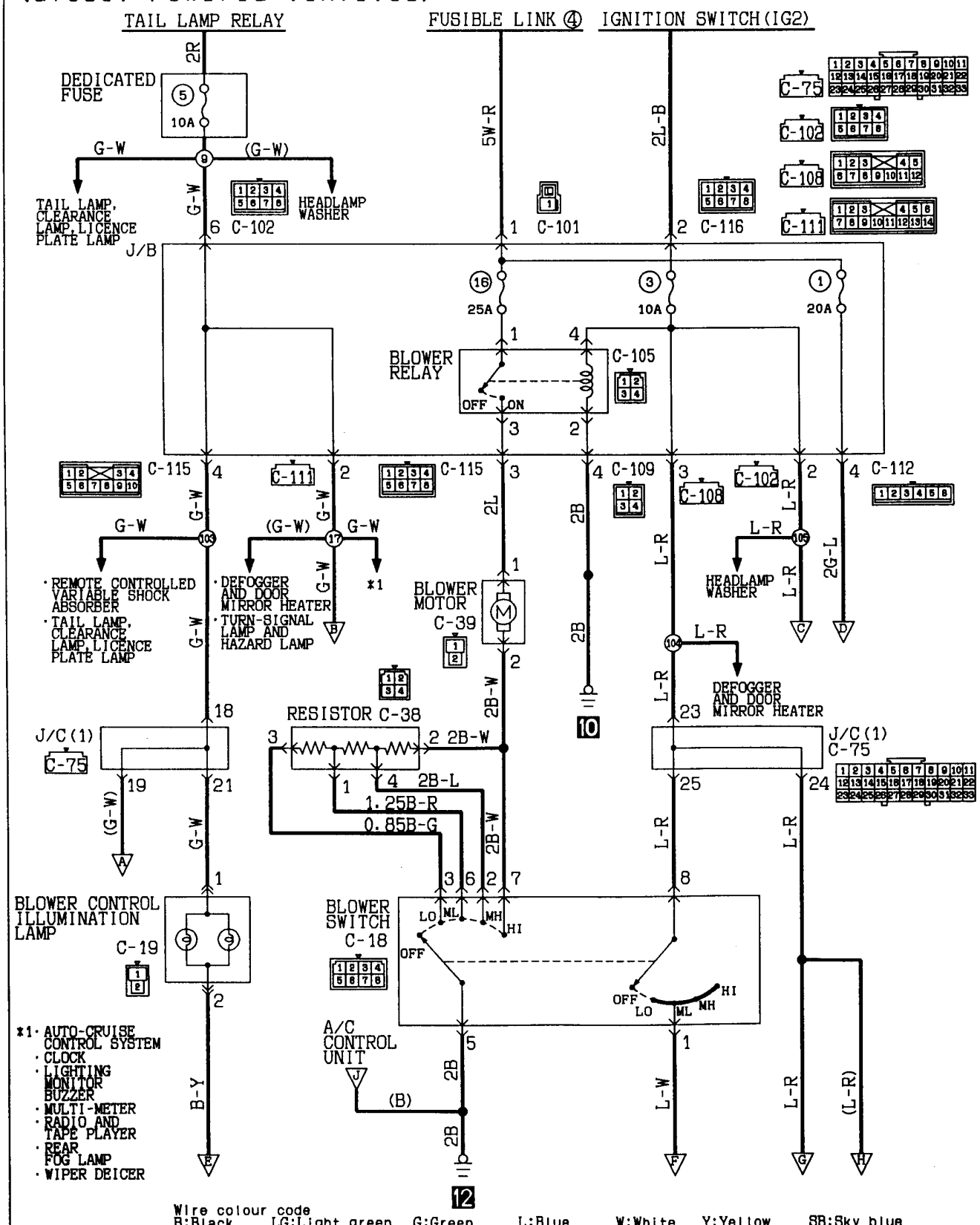
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DUAL AIR CONDITIONER

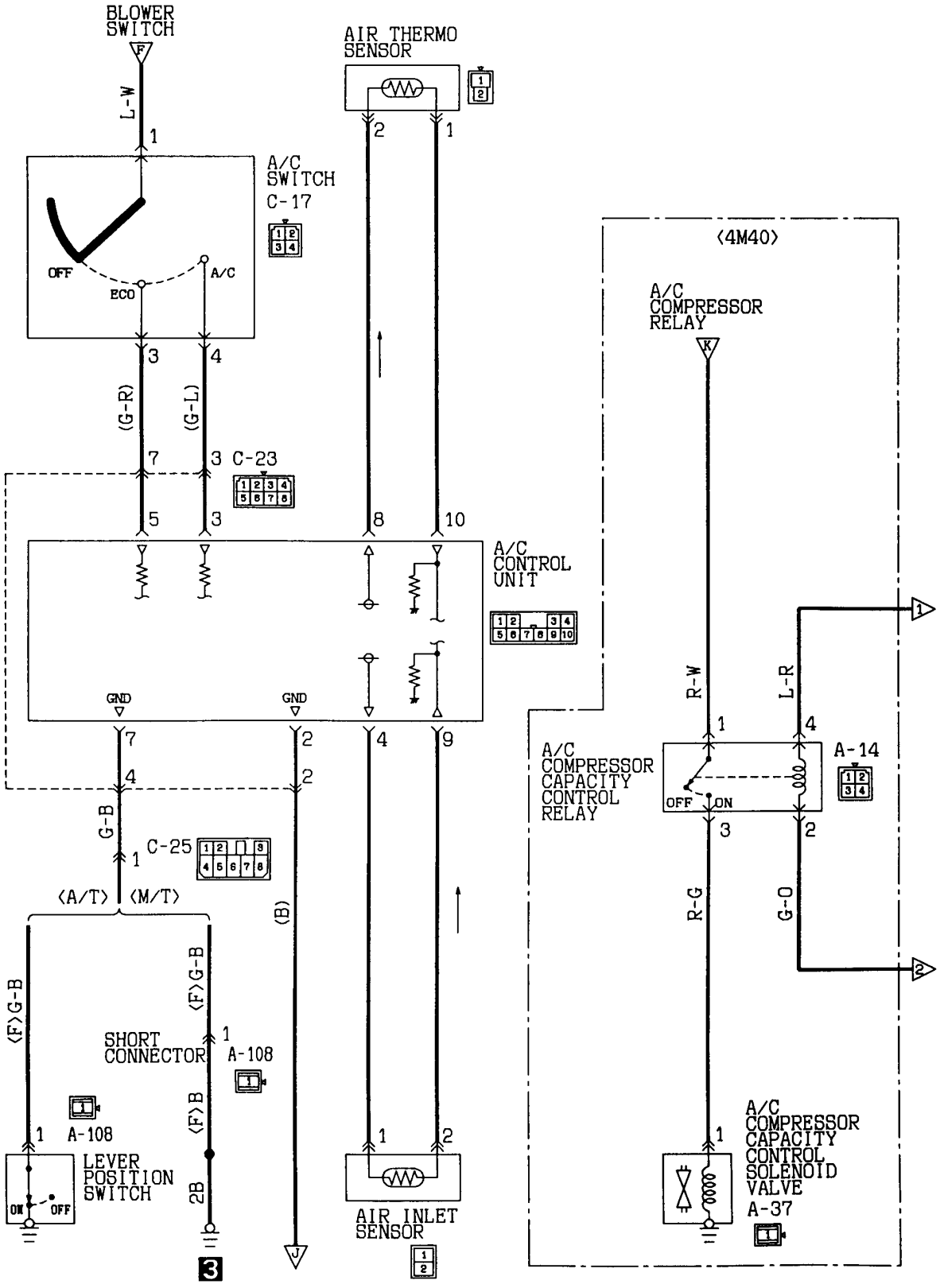
R.H. drive vehicles without rear heater
<diesel-powered vehicles>



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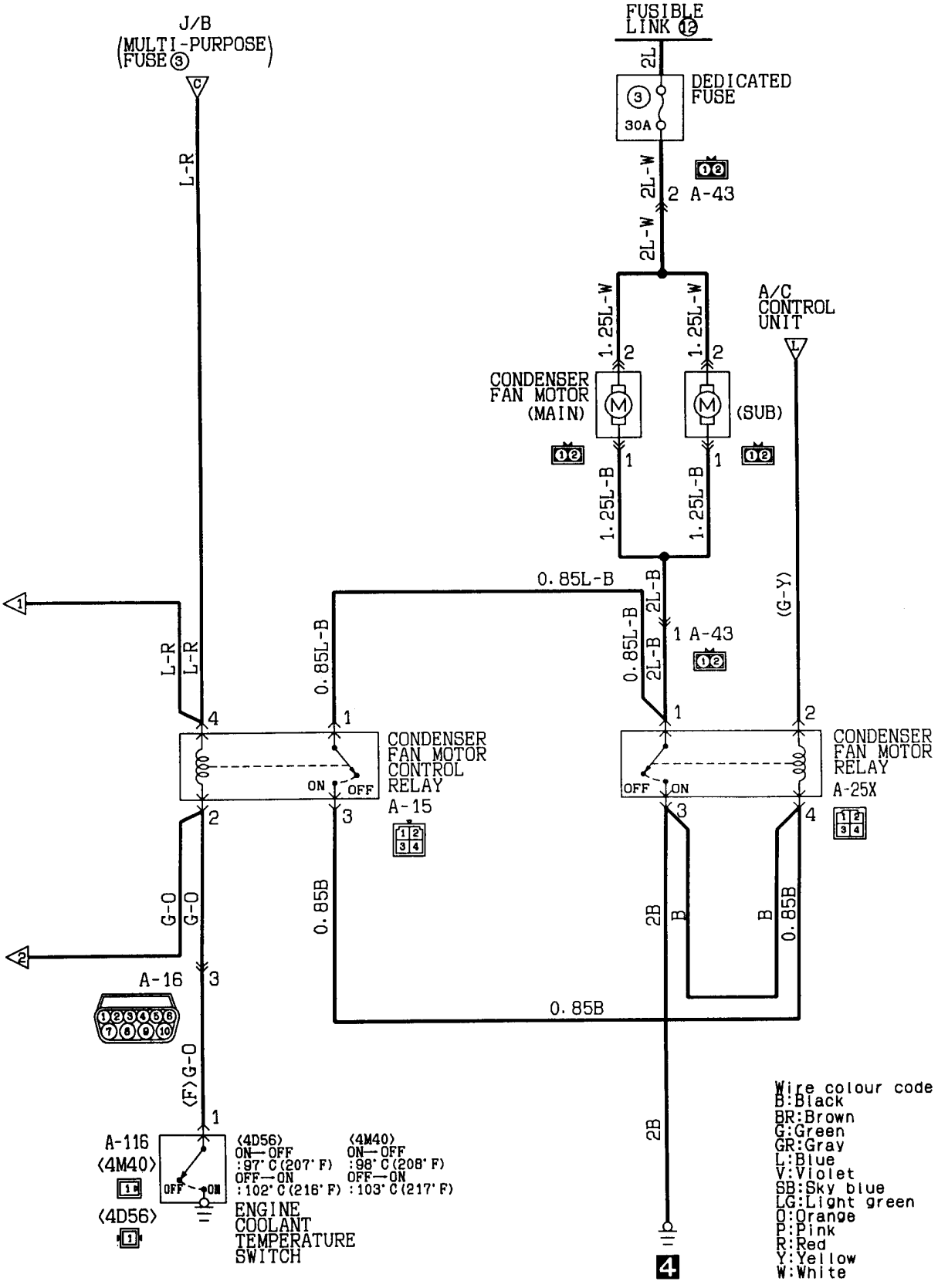
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〈R.H.drive vehicles without rear heater (diesel-powered vehicles)〉(CONTINUED)



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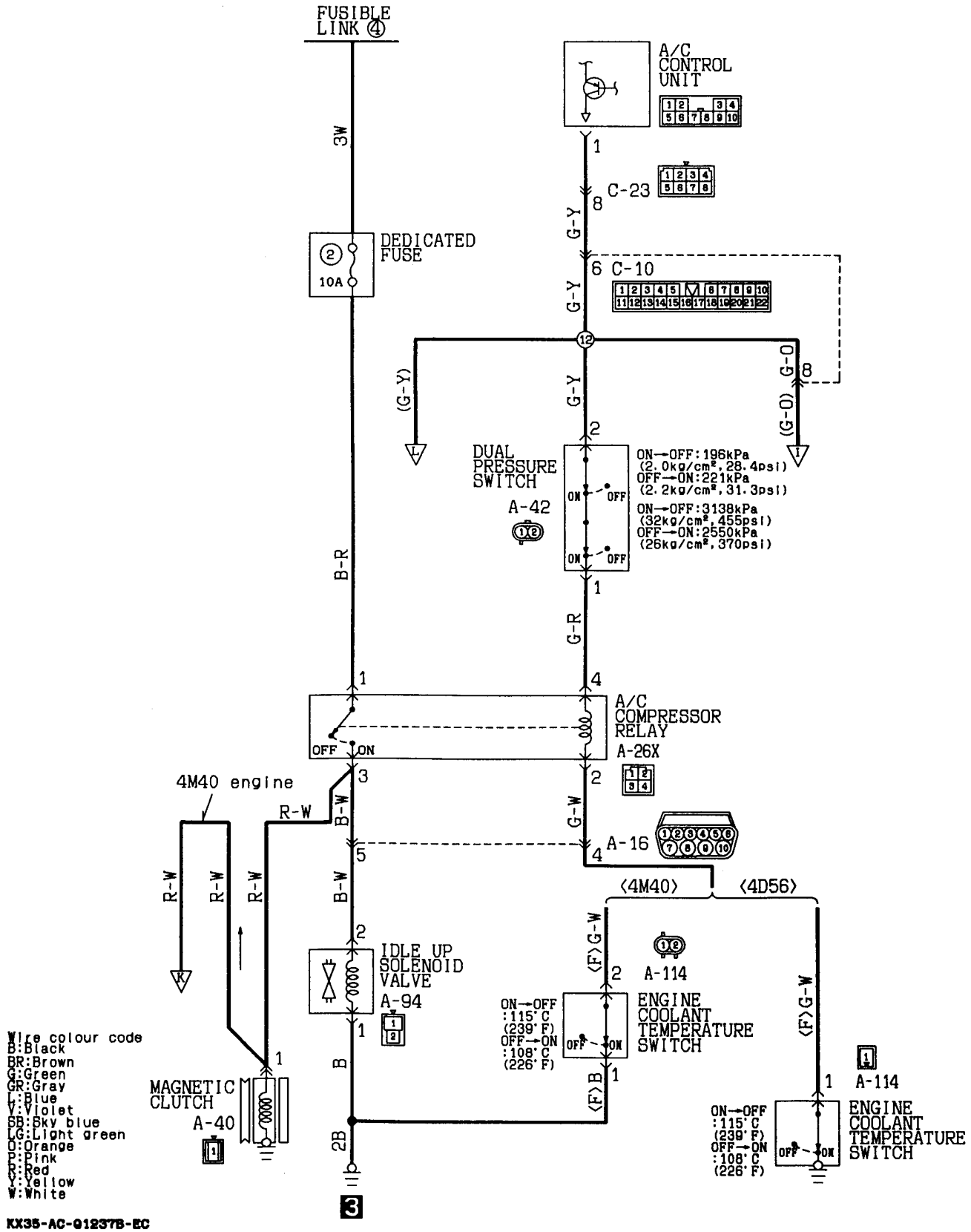
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DUAL AIR CONDITIONER
(R.H. drive vehicles without rear heater (diesel-powered vehicles)) (CONTINUED)

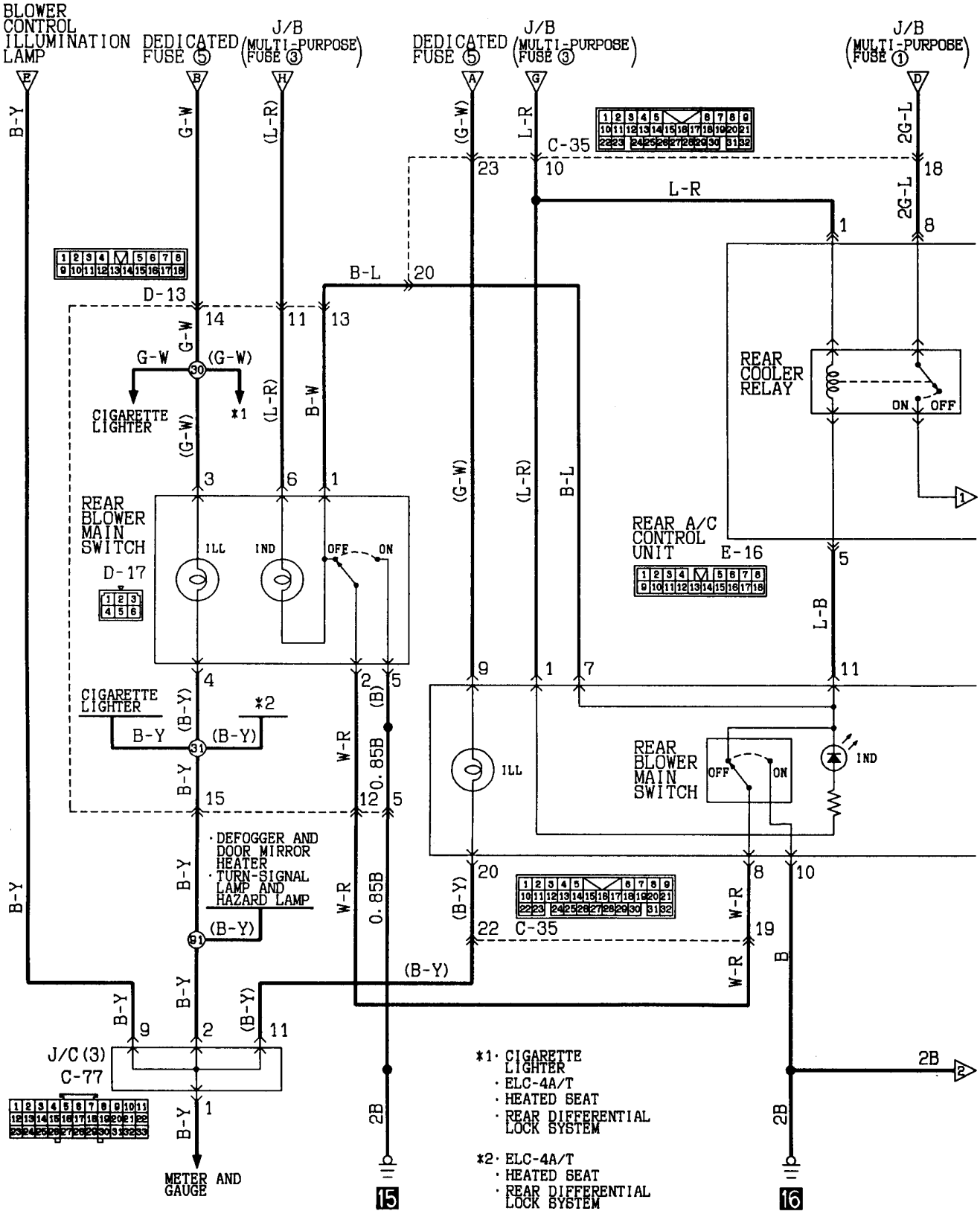


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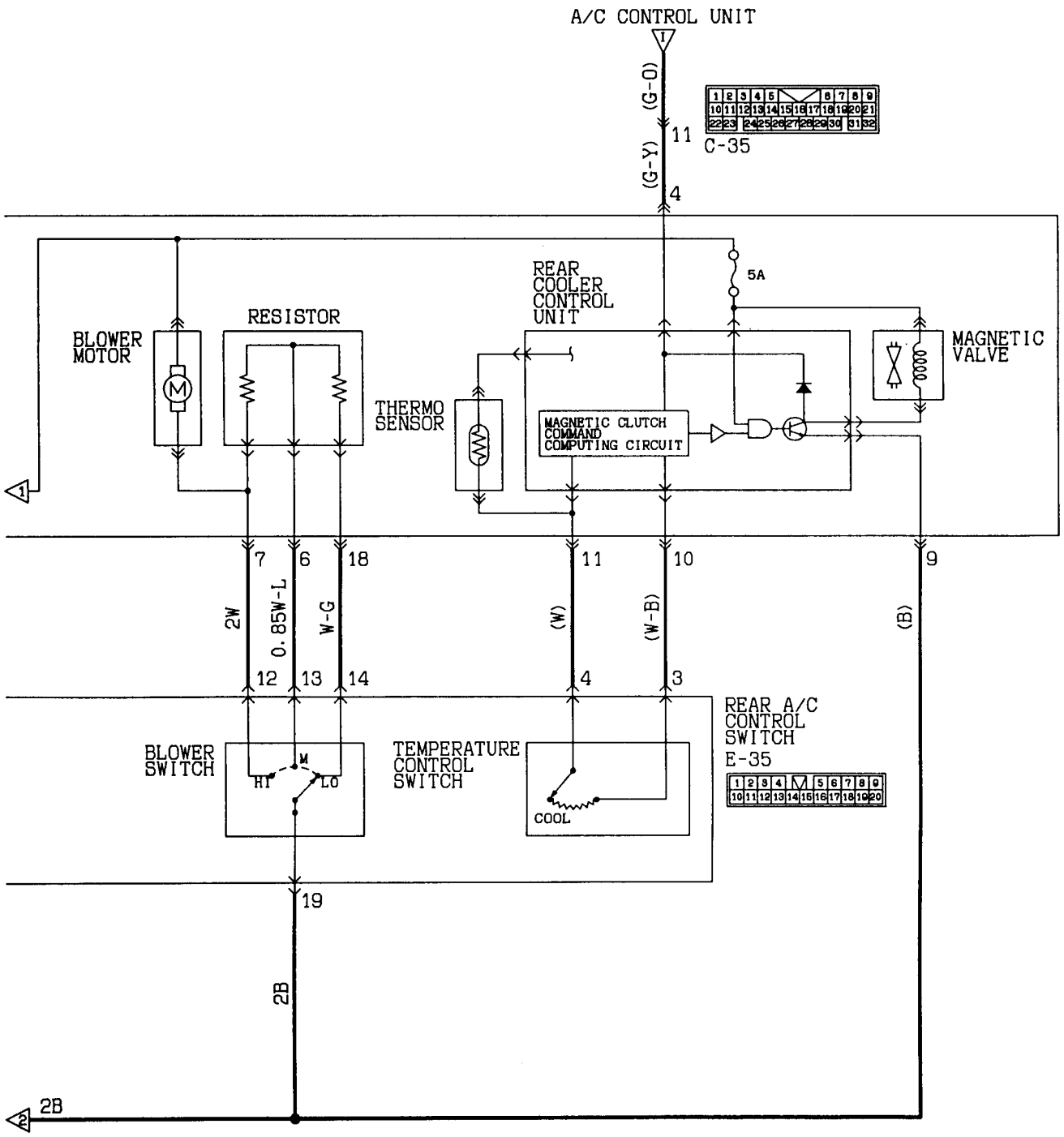


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DUAL AIR CONDITIONER
<R.H. drive vehicles without rear heater (diesel-powered vehicles)> (CONTINUED)



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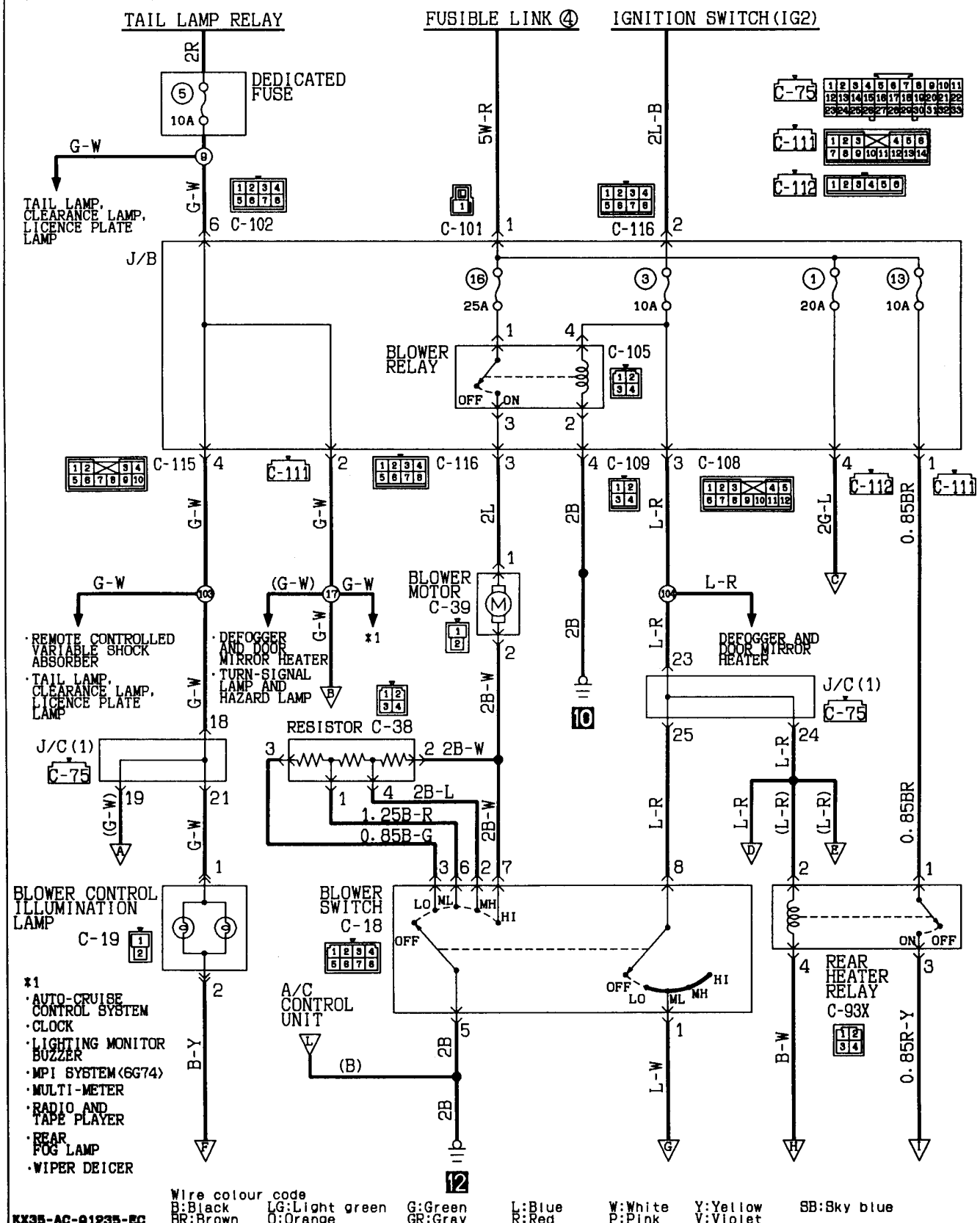
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DUAL AIR CONDITIONER

R.H. drive vehicles with rear heater (petrol-powered vehicles)

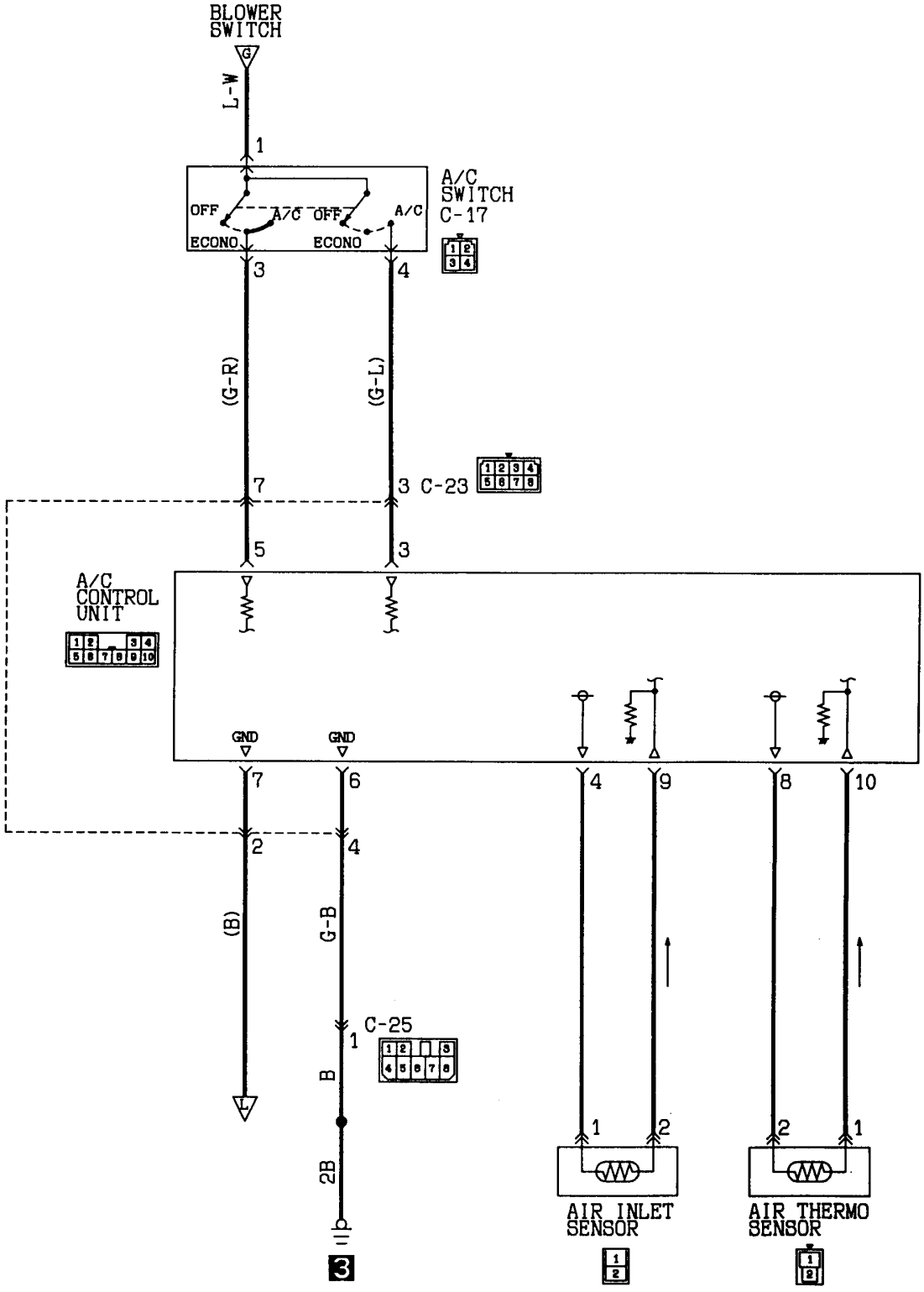


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DUAL AIR CONDITIONER
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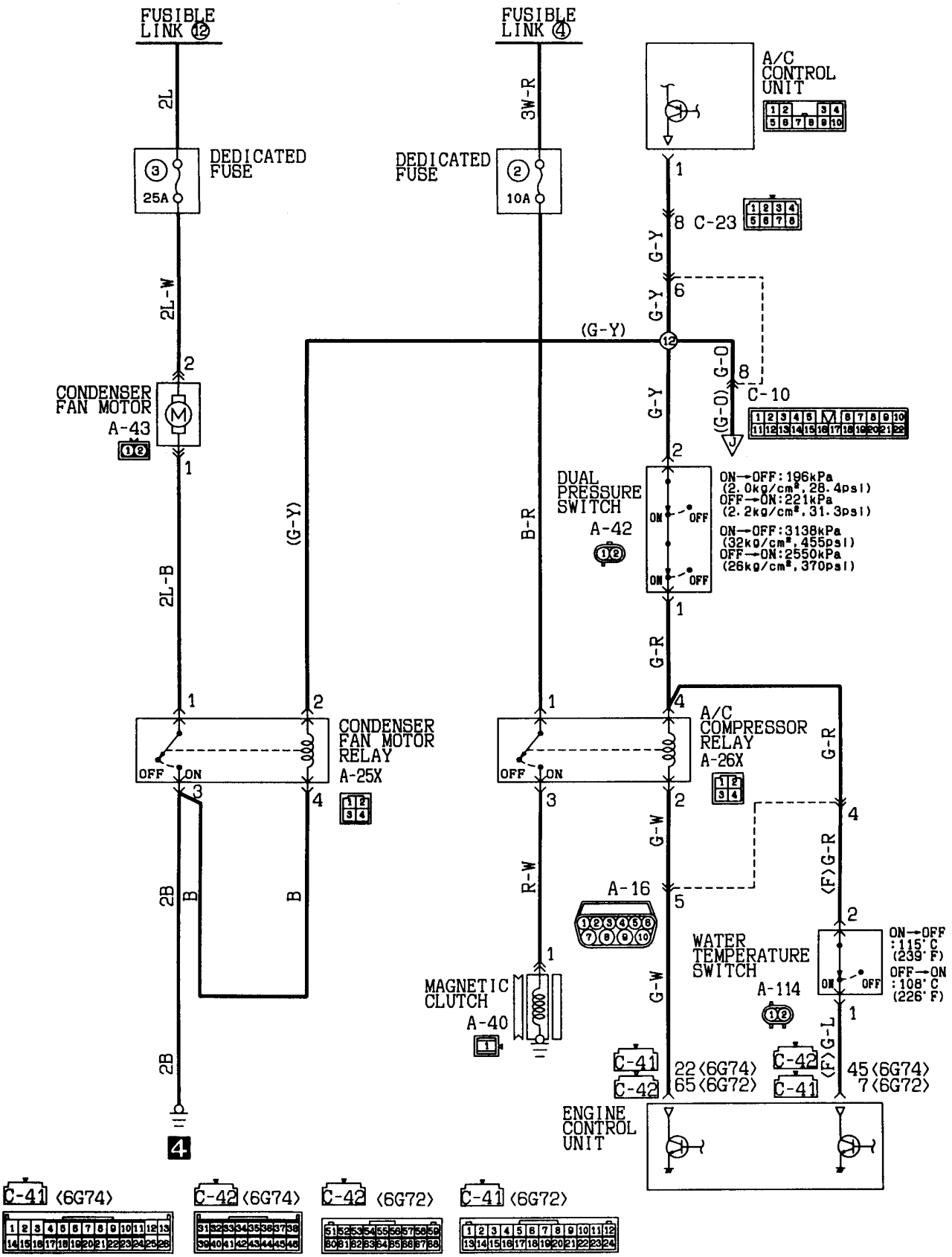
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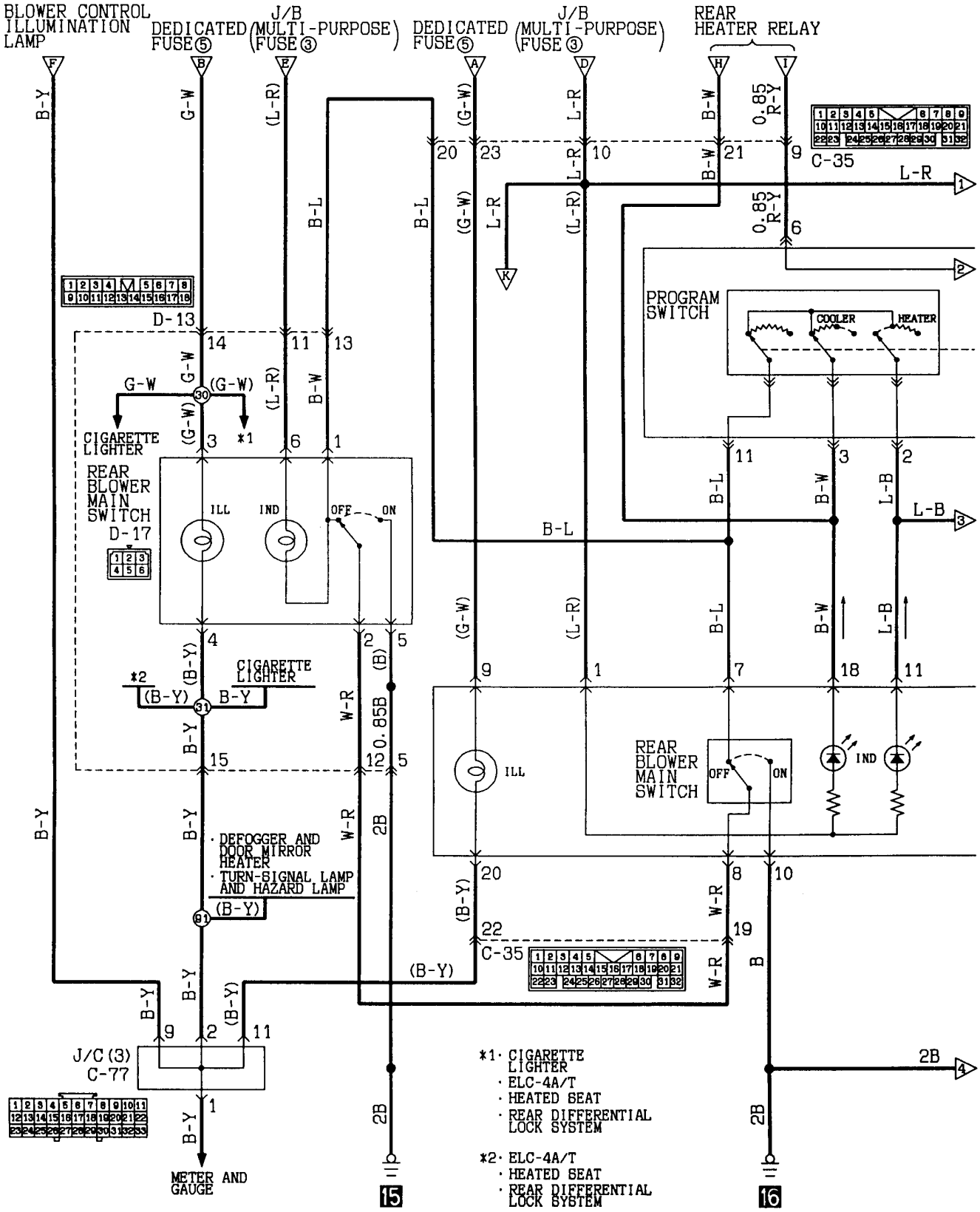
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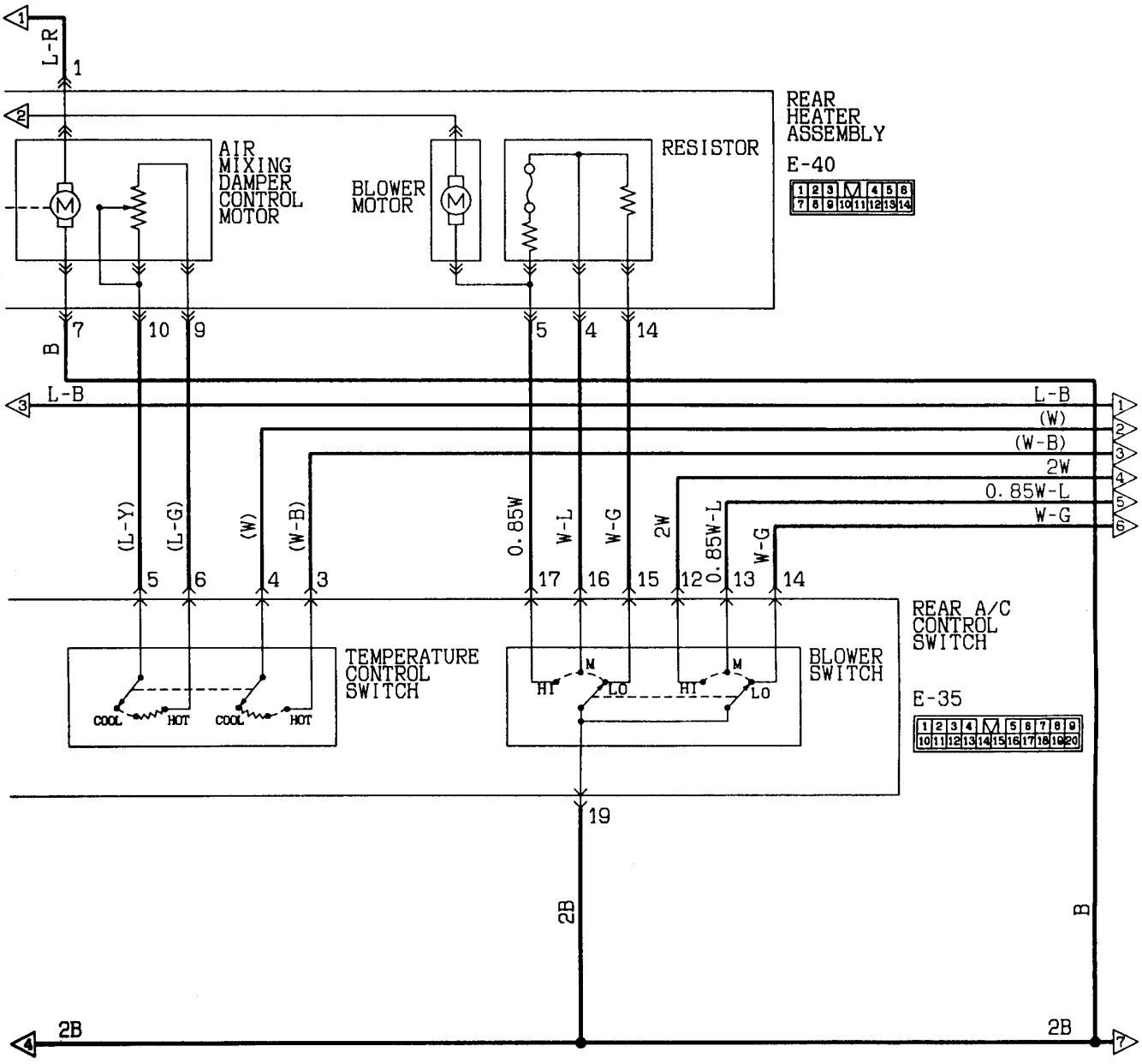
DUAL AIR CONDITIONER
(R.H. drive vehicles with rear heater (petrol-powered vehicles)) (CONTINUED)



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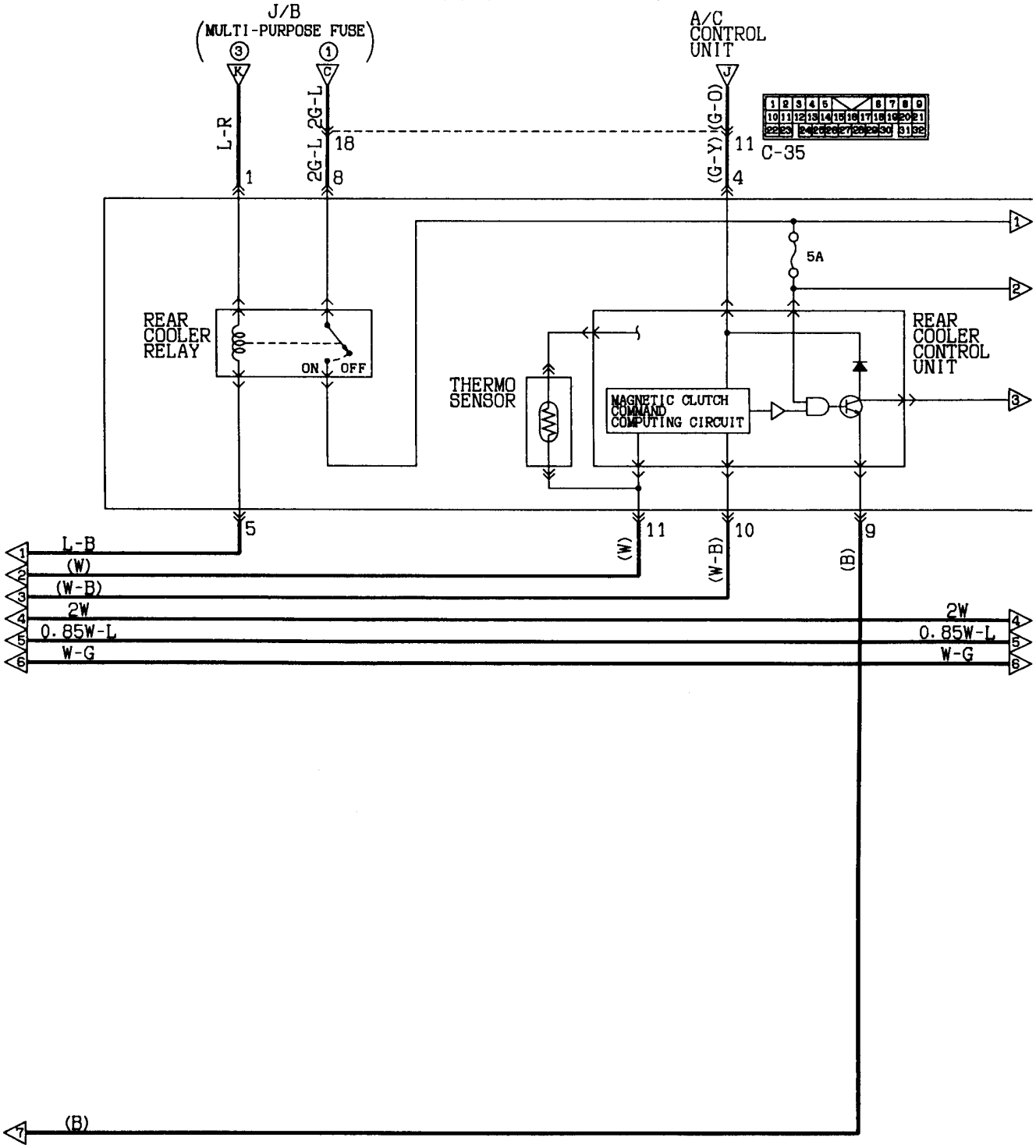
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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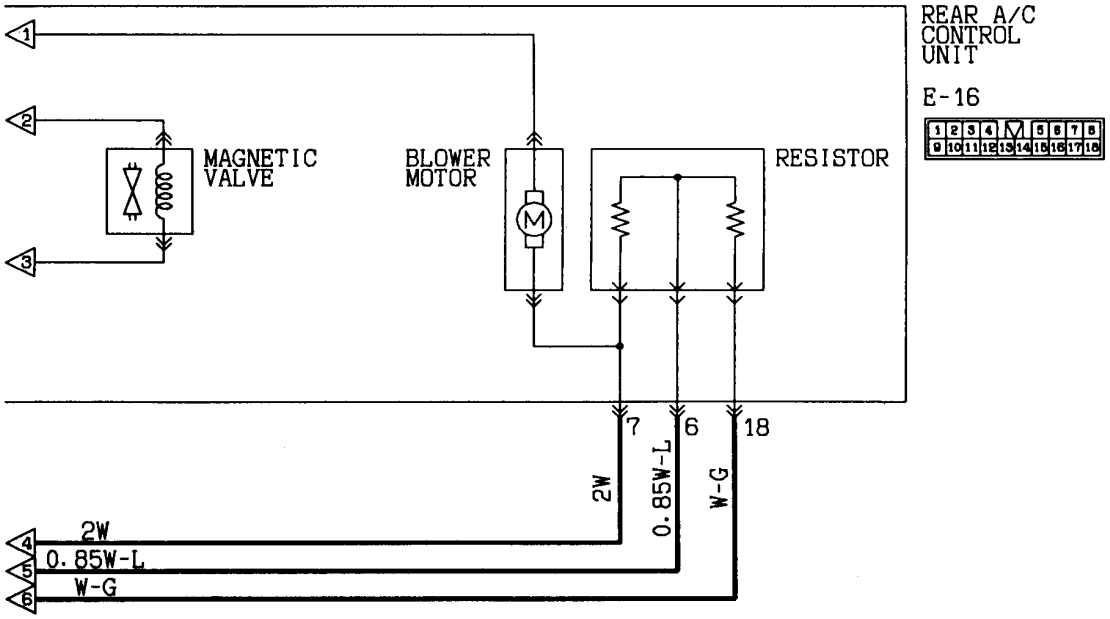
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DUAL AIR CONDITIONER
(R.H. drive vehicles with rear heater (petrol-powered vehicles)) (CONTINUED)



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Wire colour code

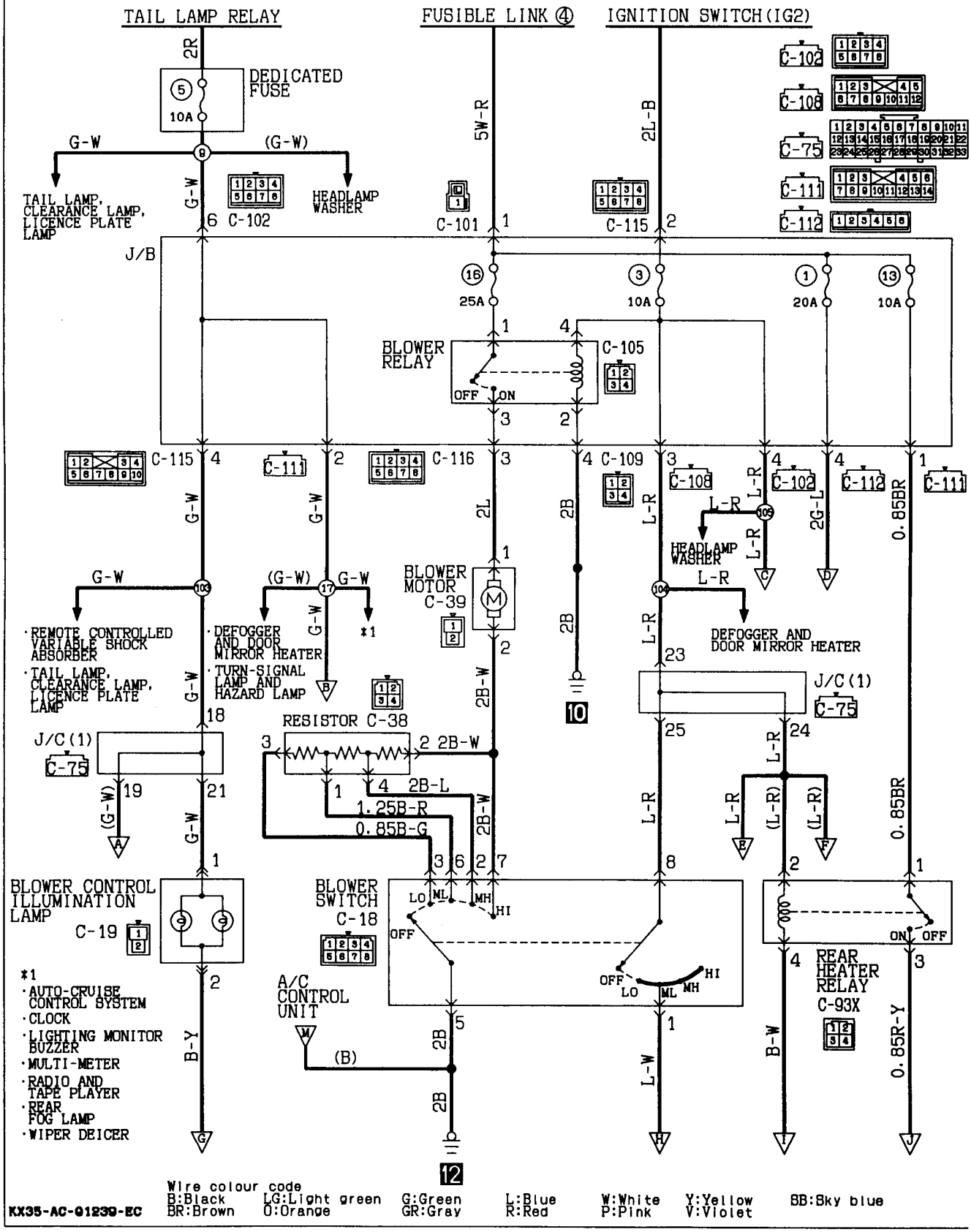
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DUAL AIR CONDITIONER

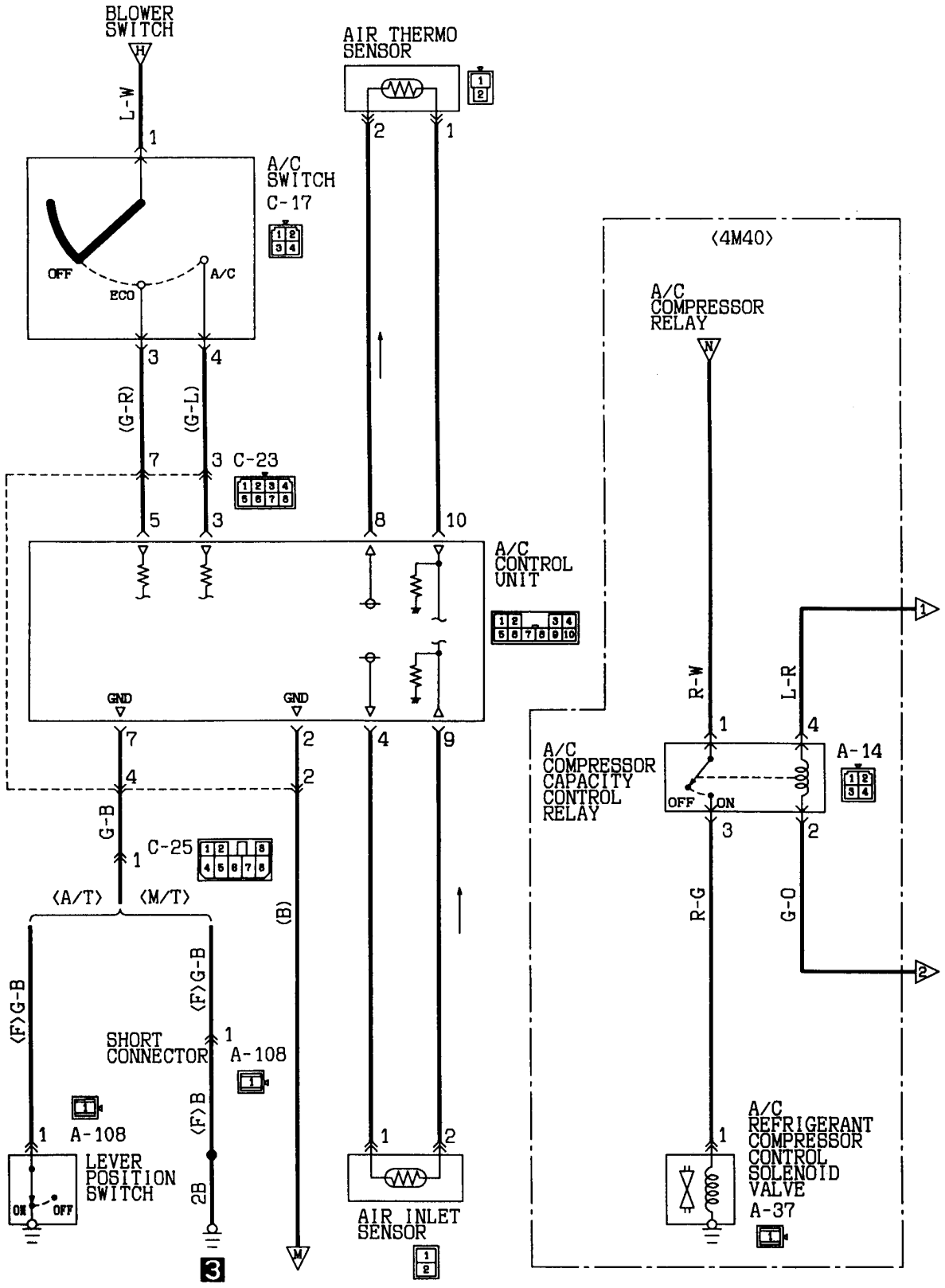
R.H. drive vehicles with rear heater (diesel-powered vehicles)



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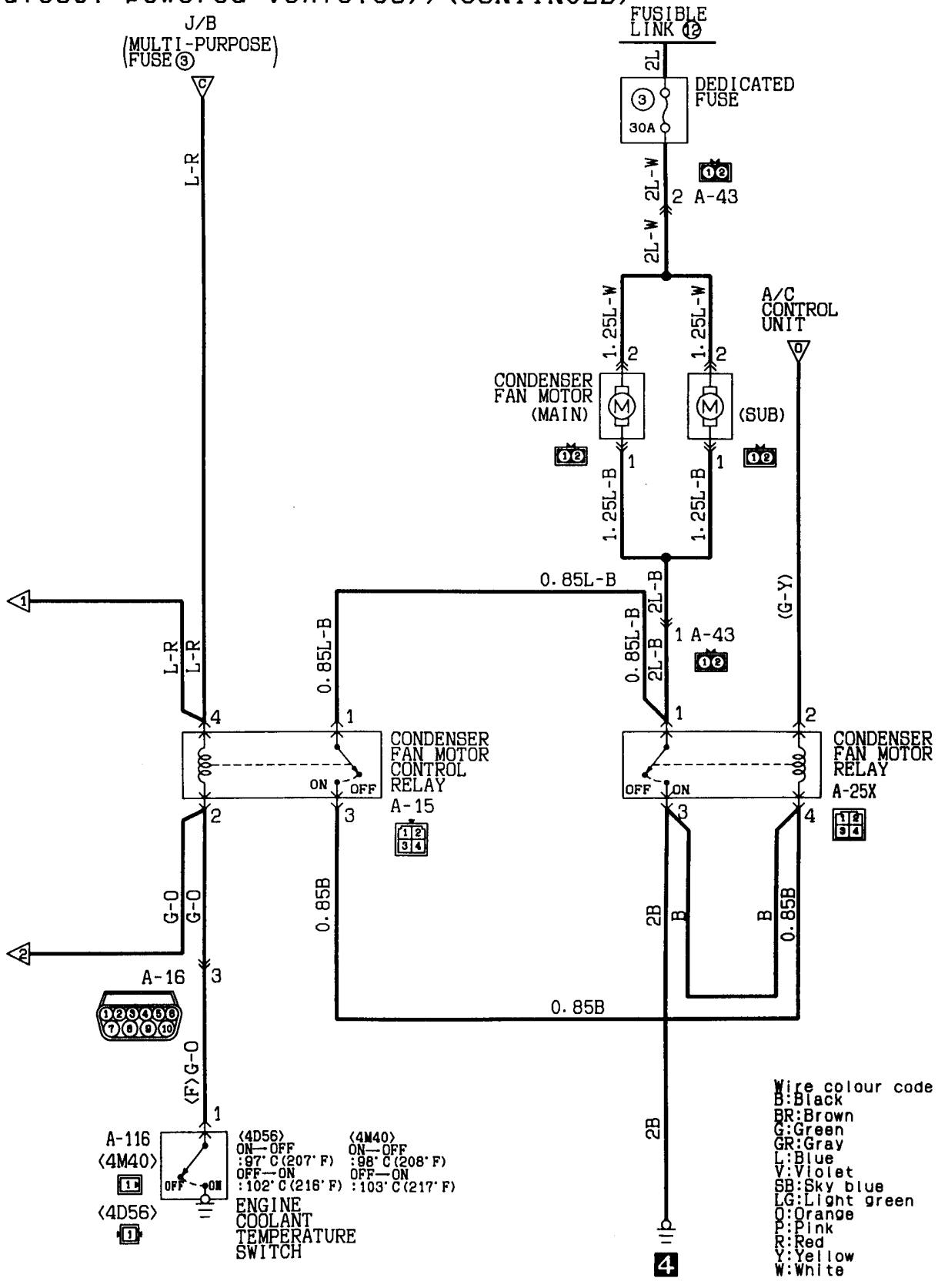
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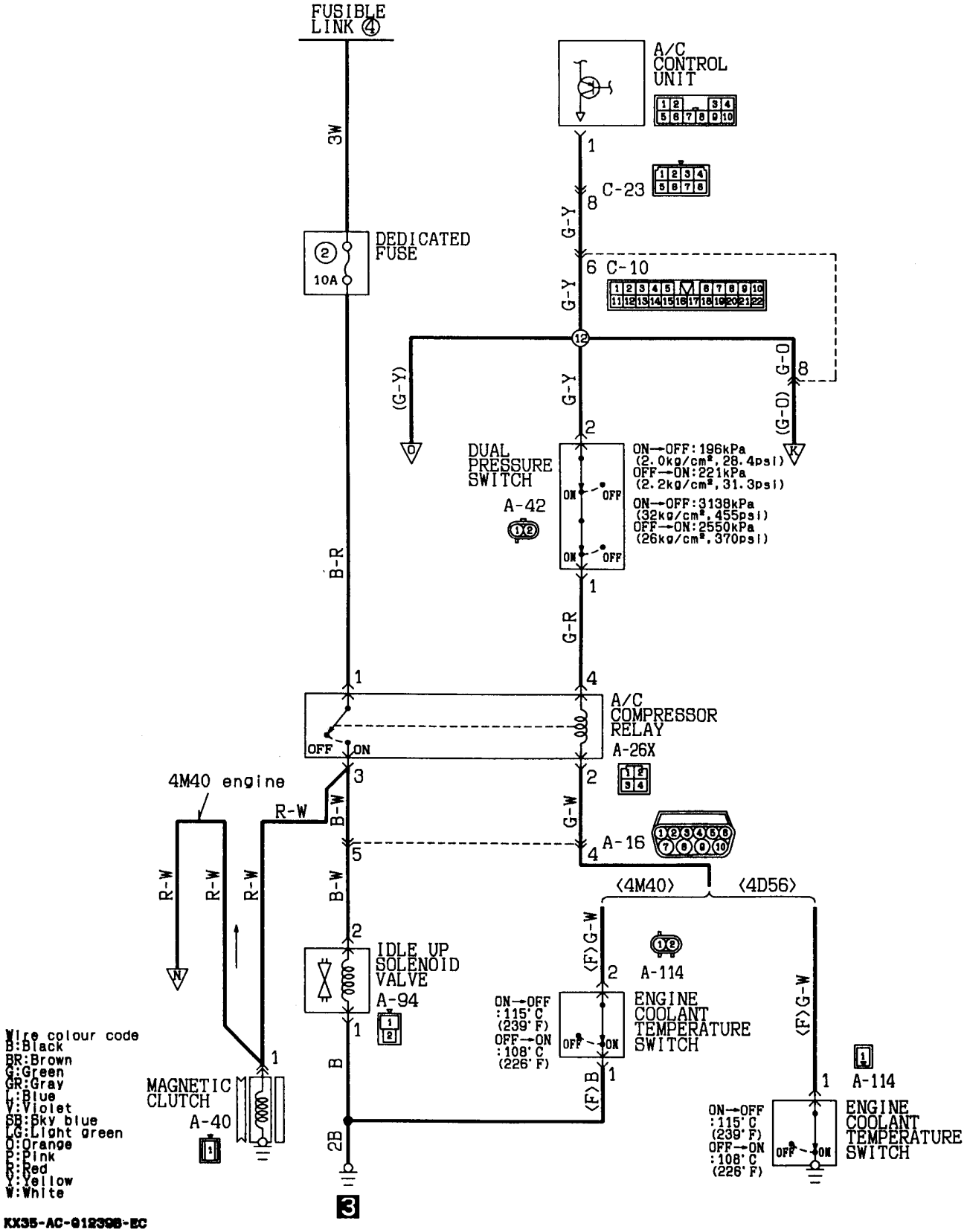
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DUAL AIR CONDITONER
〈R.H.drive vehicles with rear heater (diesel-powered vehicles)〉(CONTINUED)



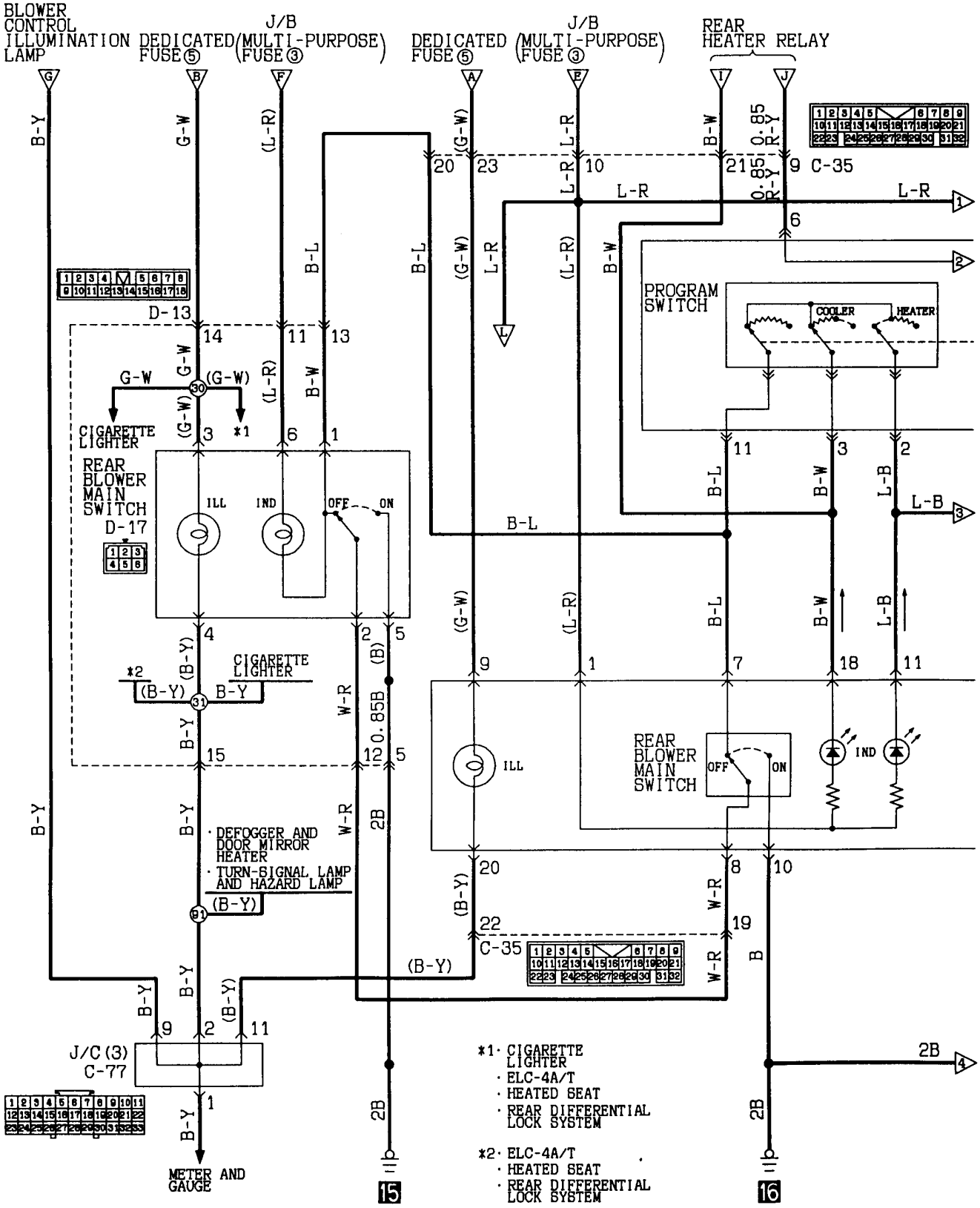
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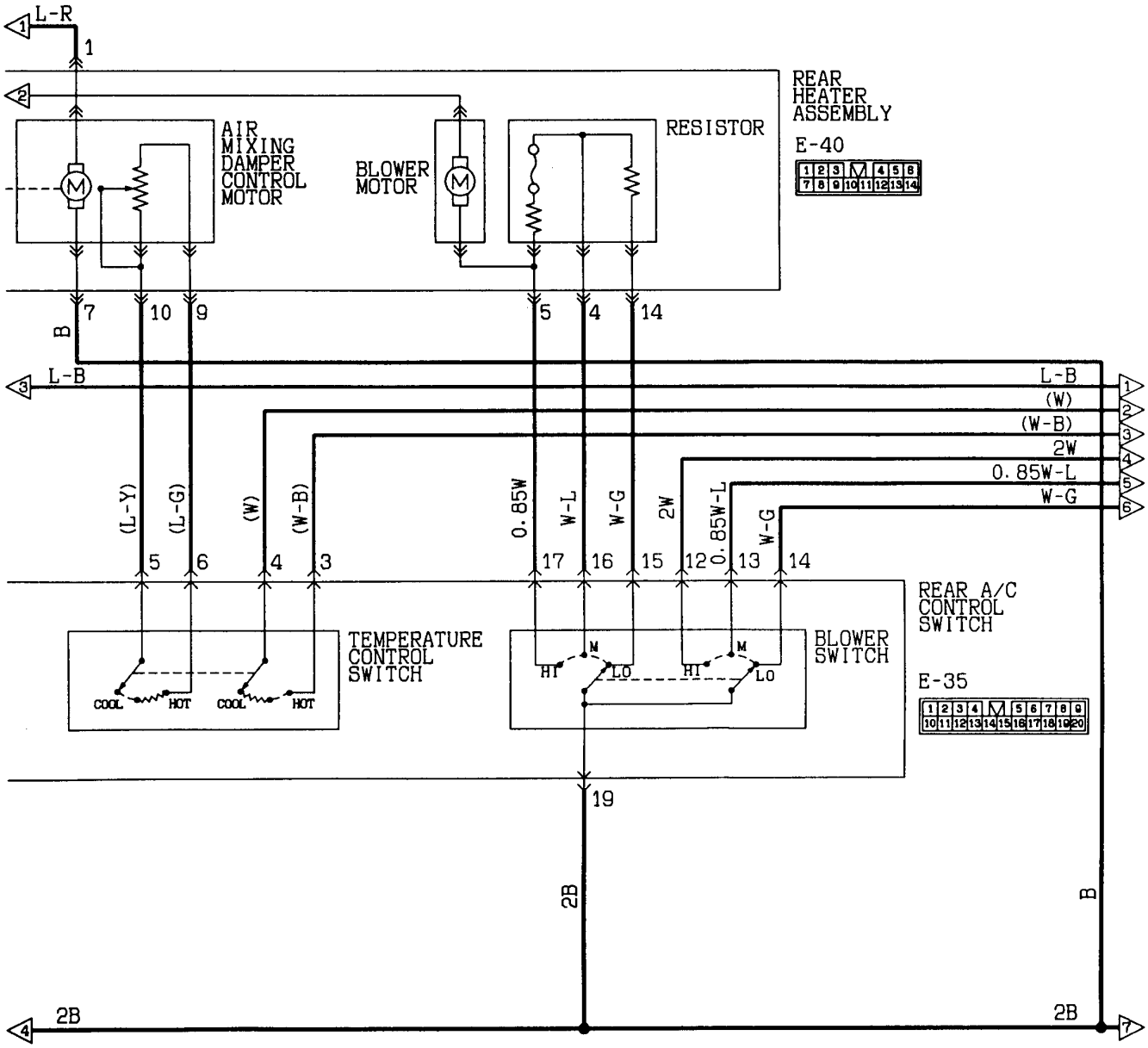
DUAL AIR CONDITIONER
(R.H. drive vehicles with rear heater (diesel-powered vehicles)) (CONTINUED)



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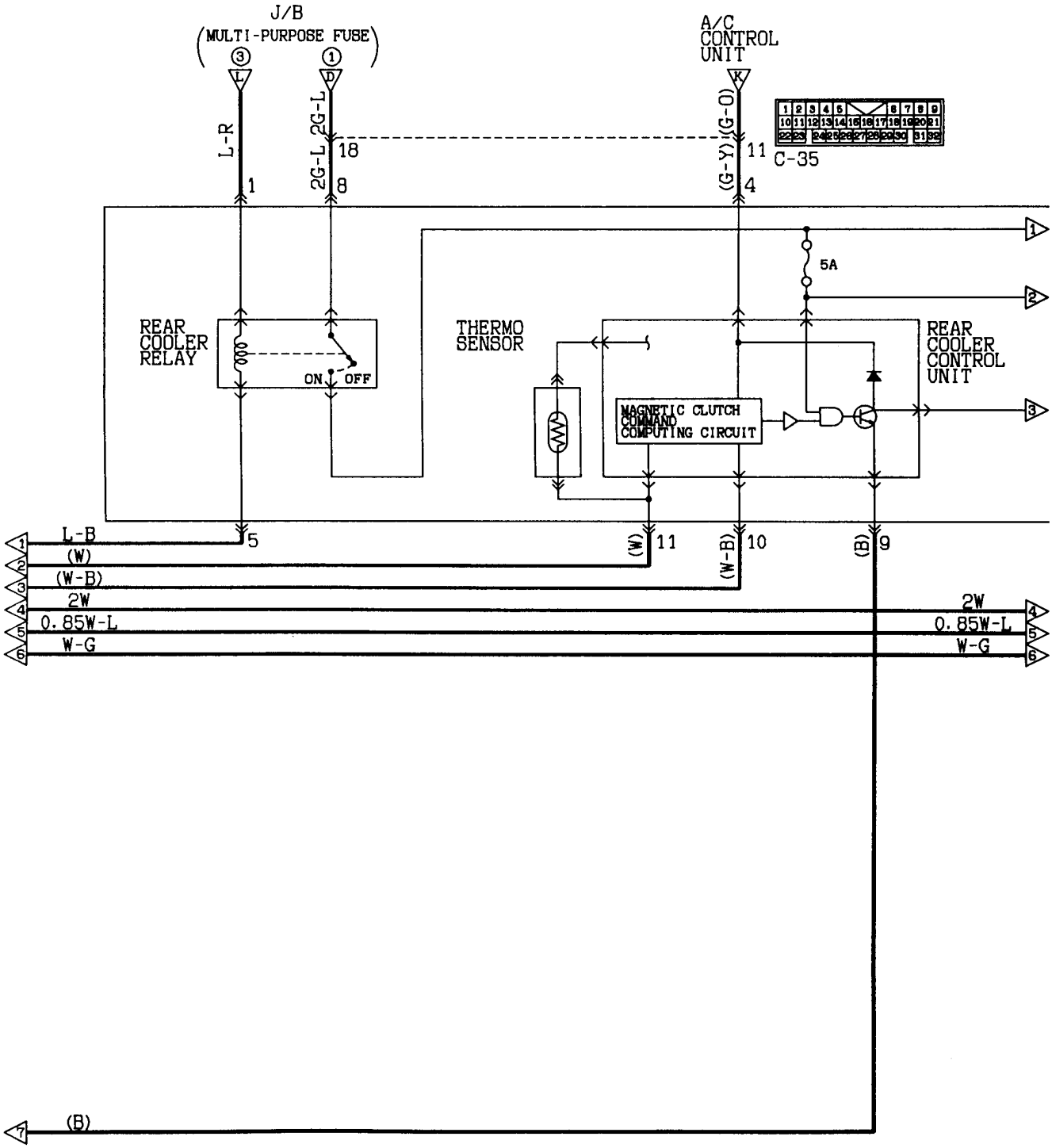
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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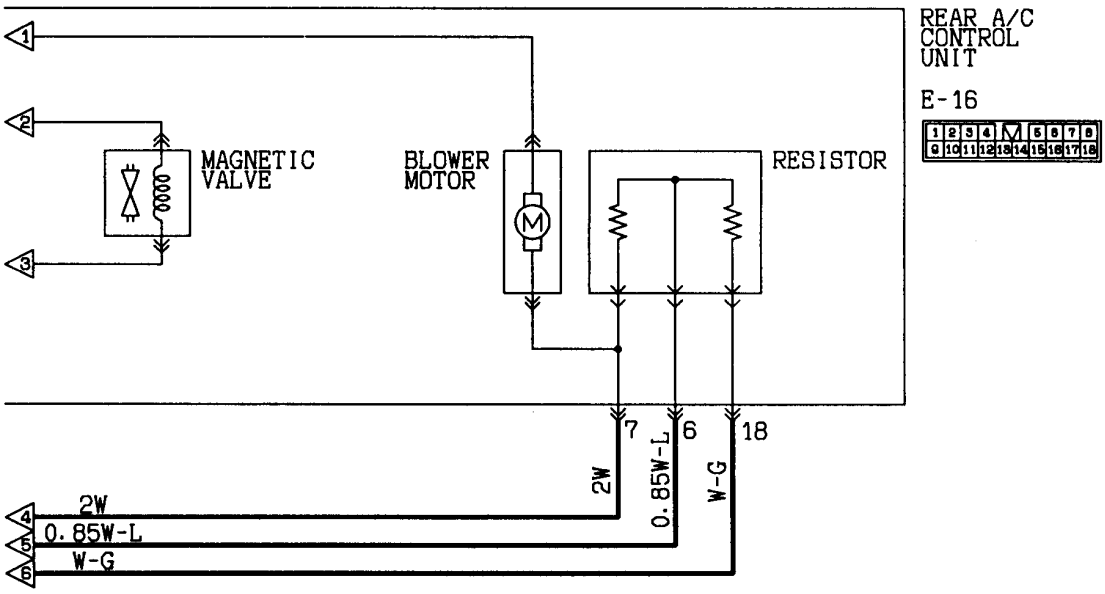
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DUAL AIR CONDITIONER
(R.H. drive vehicles with rear heater (diesel-powered vehicles)) (CONTINUED)



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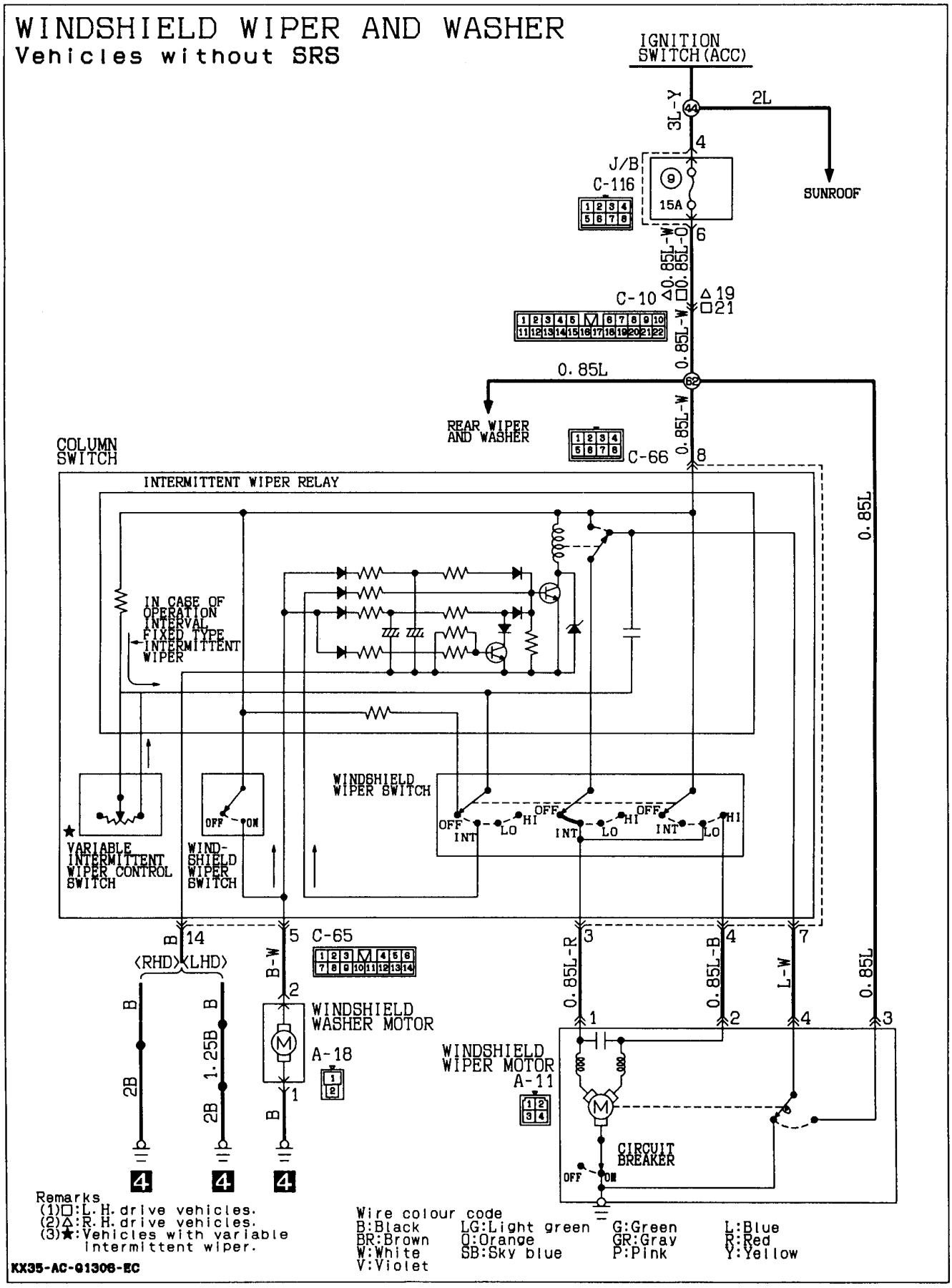


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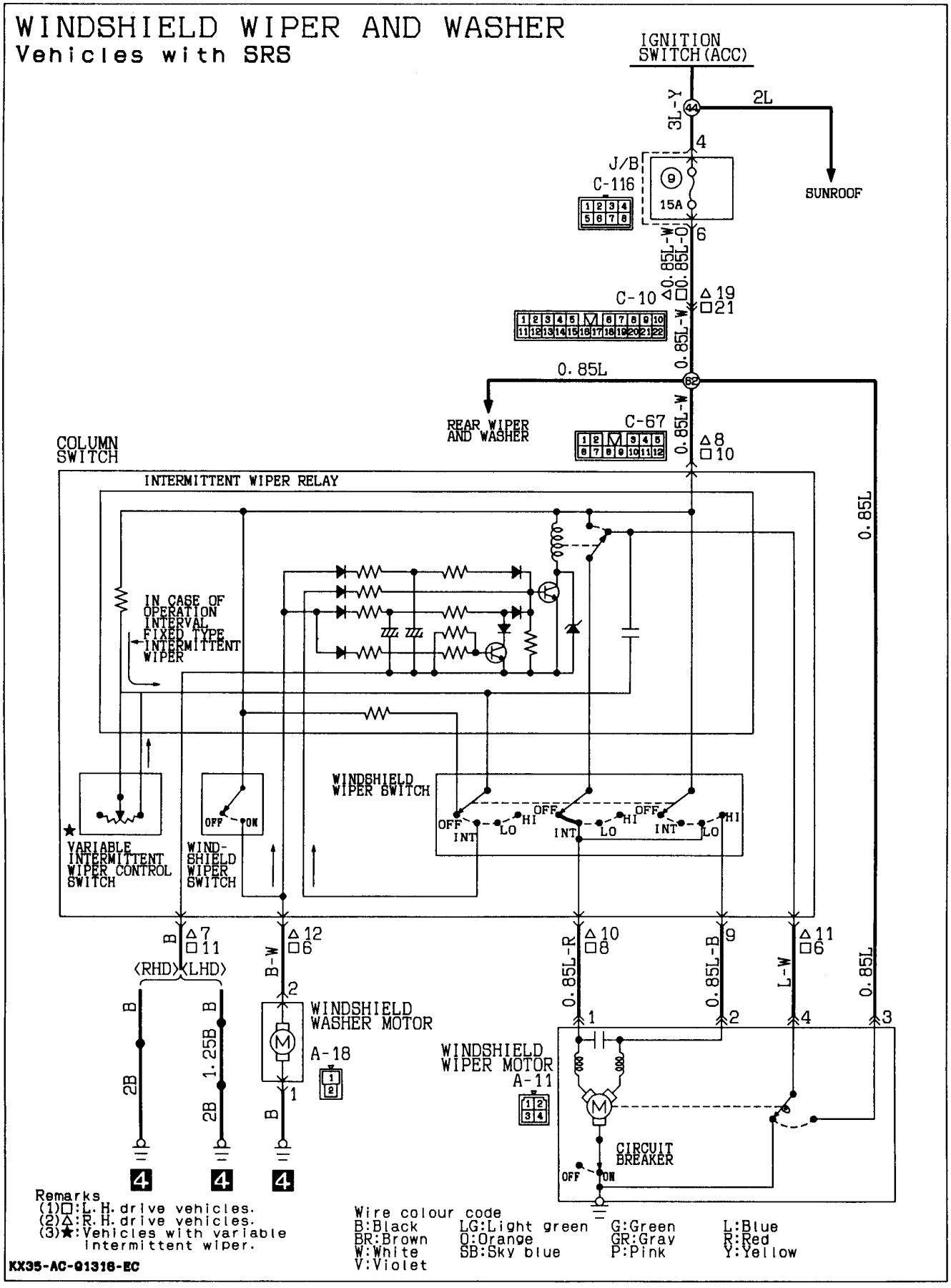
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WINDSHIELD WIPER AND WASHER
Vehicles with SRS



Remarks
(1)□:L.H. drive vehicles.
(2)△:R.H. drive vehicles.
(3)★:Vehicles with variable intermittent wiper.

Wire colour code
B:Black LG:Light green G:Green L:Blue
BR:Brown O:Orange GR:Gray R:Red
W:White SB:Sky blue P:Pink Y:Yellow
V:Violet

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WINDSHIELD WIPER AND WASHER (See P. 4A-260, 261.)

OPERATION

〈Low-speed (and high-speed) wiper operation〉

- When the wiper switch is placed in the LO position with the ignition switch in the ACC or ON position, wipers operate continuously at low speed.
- Placing the wiper switch in the HI position causes the wipers to operate at high speed.

〈Auto wiper stop operation〉

- When the wiper switch is placed in the OFF position, the cam contacts of wiper motor caused current to flow through the auto wiper stop circuit, allowing the wiper blades to cycle before they reach to the stop positions.

〈Intermittent wiper operation〉

- When the wiper switch is placed in the INT position with the ignition switch in ACC or ON position, the intermittent wiper relay is energized causing the intermittent wiper relay contacts to close and open repeatedly.
- When the contacts are closed, the wiper motor is energized.
- When the wiper motor is energized, the relay contacts open; however, the cam contacts keep the wiper motor energized until the wiper blades return to their stop position.

〈Washer-Wiper operation〉

- When the washer switch is turned ON, the intermittent wiper relay contacts close causing wipers to cycle two to three times.

TROUBLESHOOTING HINTS

1. Wipers do not operate.
   1) Washer is not operative, either.
      - Check multi-purpose fuse No. ⑨.
      - Check earth.
2. Low-speed (or high-speed) wiper operation only is inoperative.
   - Check wiper switch.
3. Wipers do not stop.
   - Check wiper motor.
   - Check intermittent wiper relay.
   - Check wiper switch.
4. Intermittent wiper operation is inoperative.
   - Check terminal voltage of steering-column switch (with a built-in intermittent wiper relay) with the intermittent wiper relay energized.

Terminal No.	Voltage	Check
3	0V	Intermittent wiper relay or wiper switch
	System voltage	Intermittent wiper relay
	0V ↔ System voltage (alternating)	— (Normal)

5. The length of pause for intermittent operation cannot be varied.
   - Check variable intermittent wiper control switch.
   - Check intermittent wiper relay.
6. Washer is inoperative.
   1) Wiper is operative on washer-wiper operation.
      - Check washer motor.
   2) Washer-wiper operation is inoperative also.
      - Check washer switch.
7. Washer-wiper operation is inoperative.
   - Check intermittent wiper relay.

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REAR WIPER AND WASHER (See P. 4A-264, 266.)

OPERATION

〈Low-speed wiper operation〉

- When the wiper switch is placed in the LO (or ON) position with the ignition switch in the ACC or ON position, wipers operate continuously at low speed.

〈Auto wiper stop operation〉

- When the wiper switch is placed in the OFF position, the cam contacts of wiper motor causes current to flow through the auto wiper stop circuit, allowing the wiper blades to cycle before they reach to the stop positions.

〈Intermittent wiper operation〉

- When the wiper switch is placed in the INT position with the ignition switch in ACC or ON position, the intermittent wiper relay is energized causing the intermittent wiper relay contacts to close and open repeatedly.
- When the contacts are closed, the wiper motor is energized.
- When the wiper motor is energized, the relay contacts open; however, the cam contacts keep the wiper motor energized until the wiper blades return to their stop position.

〈Washer-Wiper operation〉

- When the washer switch is turned ON, the intermittent wiper relay contacts close causing wipers to cycle two to three times.

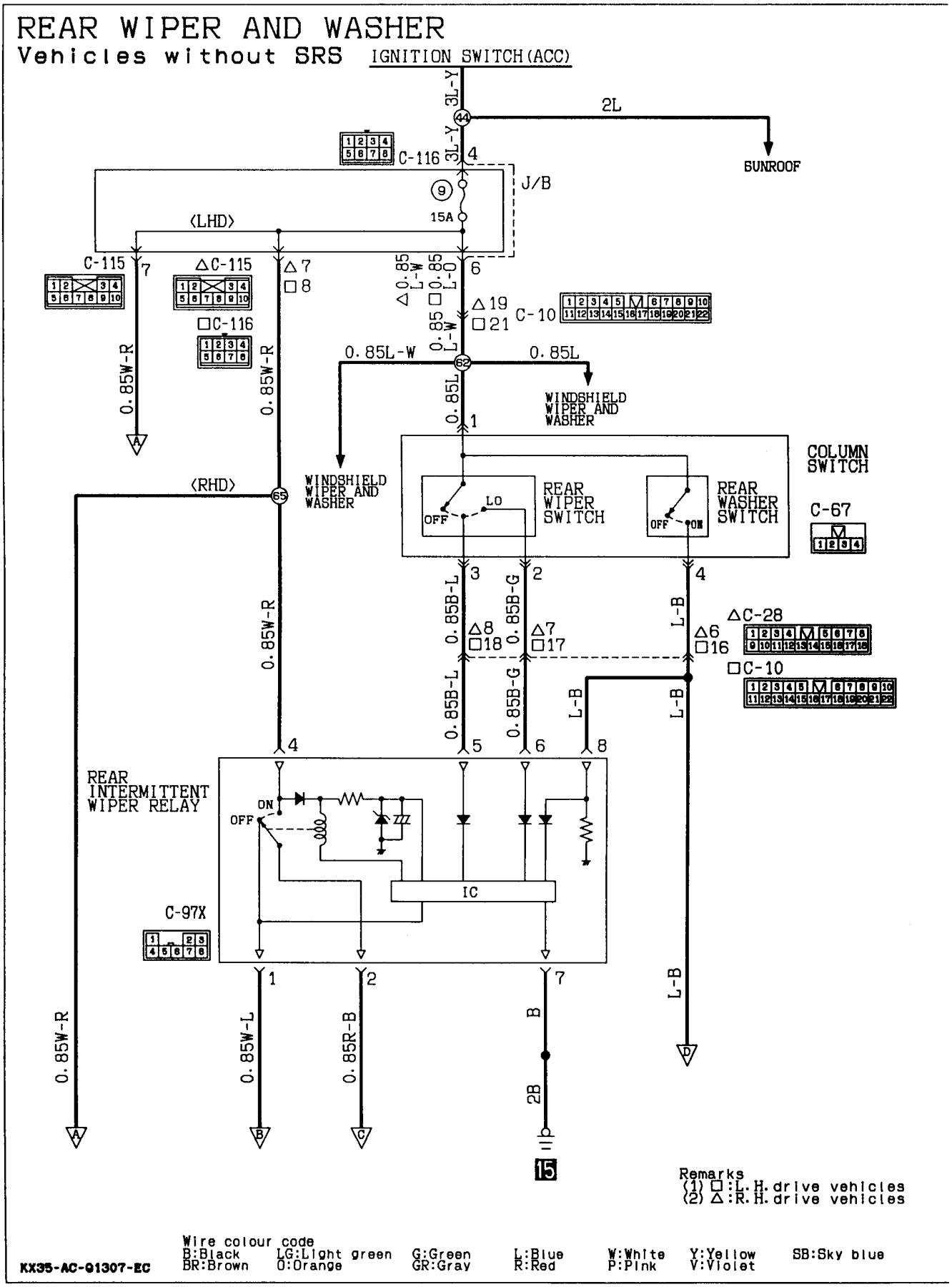
TROUBLESHOOTING HINTS

1. Wipers do not operate.
   1) Washer is not operative, either.
      - Check multi-purpose fuse No. ⑨.
      - Check earth.
      - Check wiper switch.
2. Wipers do not stop.
   - Check wiper motor.
   - Check intermittent wiper relay.
   - Check wiper switch.
3. Intermittent wiper operation is inoperative.
   - Check terminal voltage of the intermittent wiper relay energized.

Terminal No.	Voltage	Check
1	0 V	Intermittent wiper relay or wiper switch
	System voltage	Intermittent wiper relay
	0 V ↔ System voltage (alternating)	— (Normal)

4. Washer is inoperative.
   - Check washer motor.
   - Check washer switch.
5. Washer-wiper operation is inoperative.
   - Check intermittent wiper relay.

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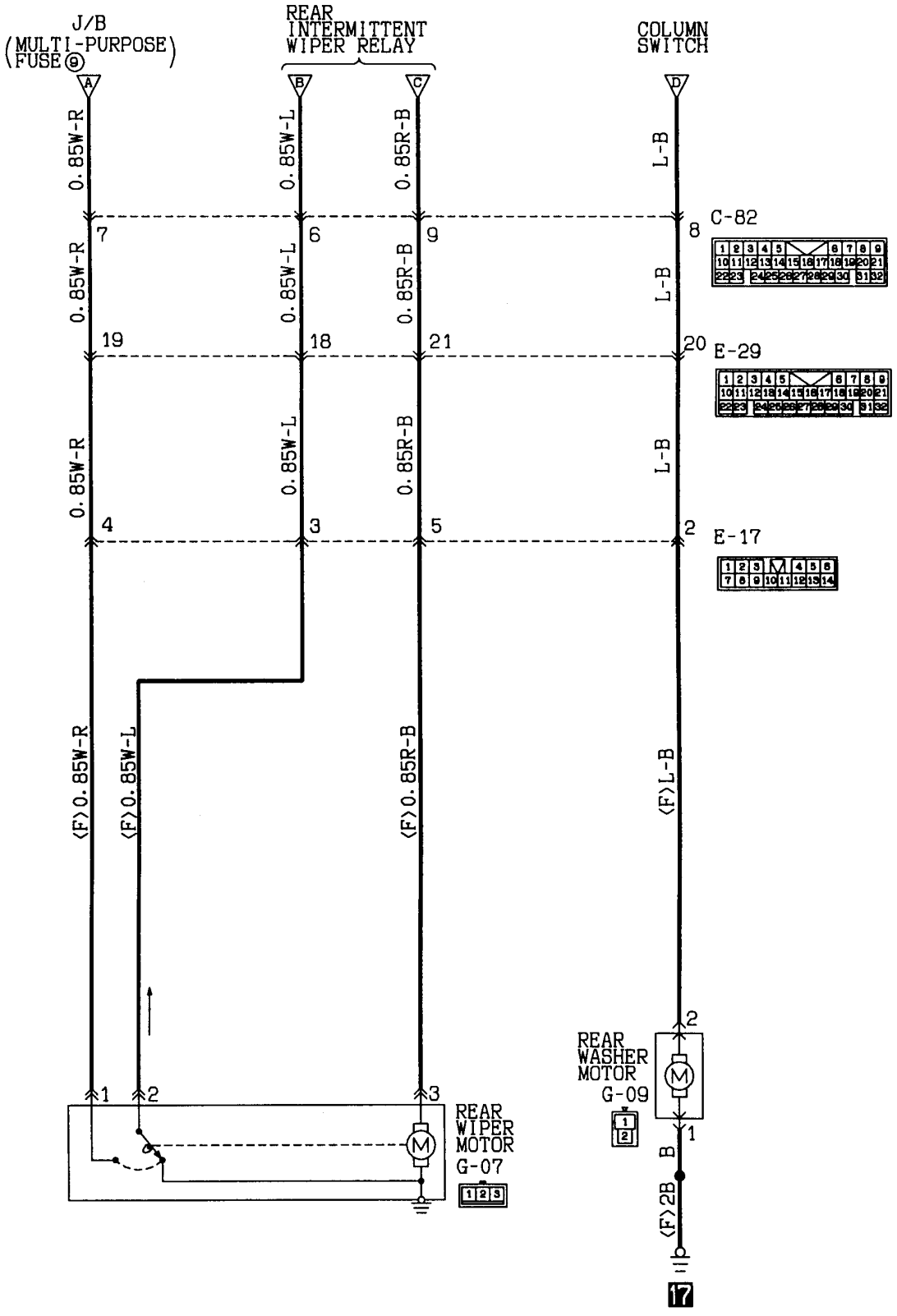
Wire colour code

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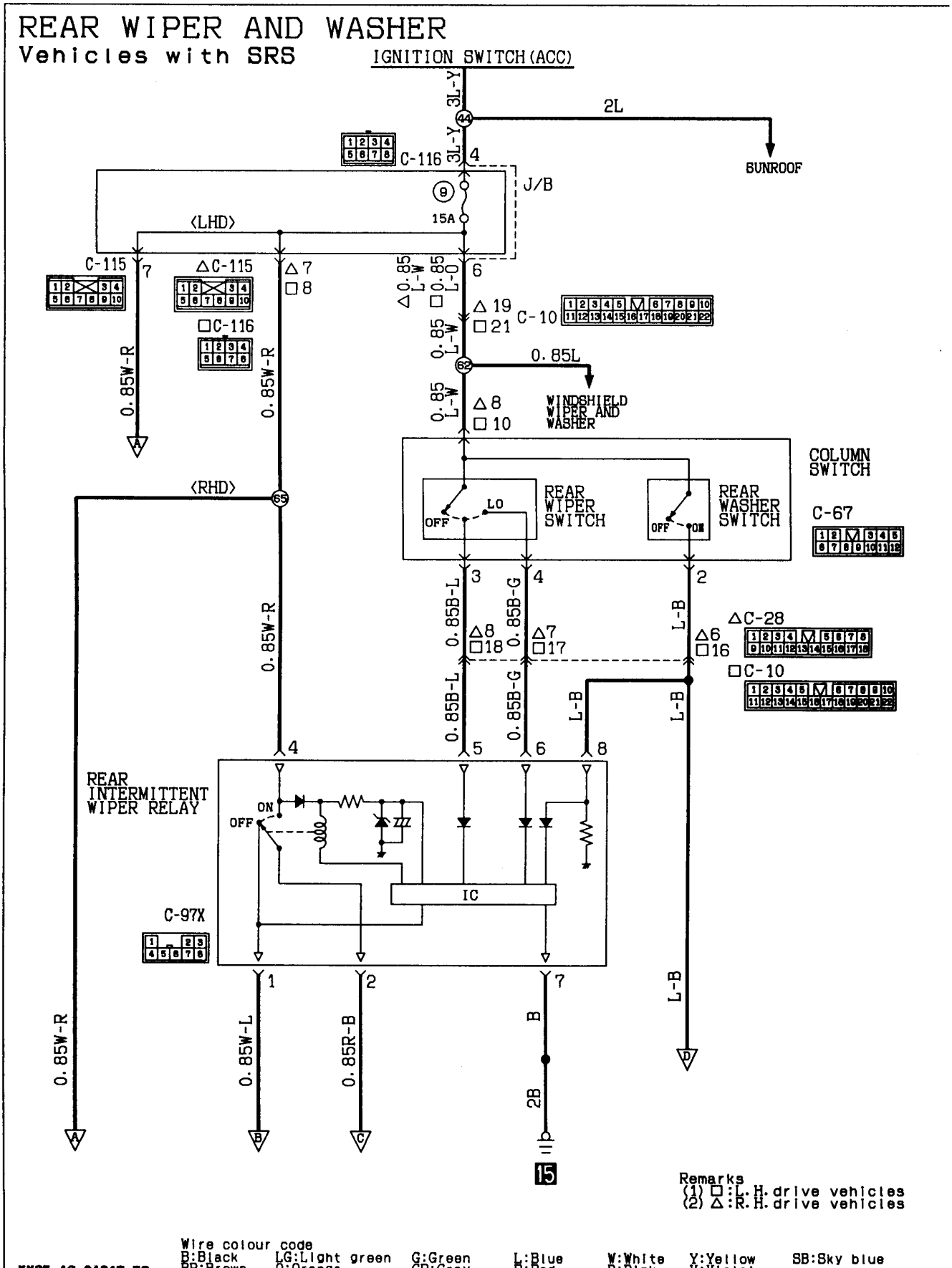
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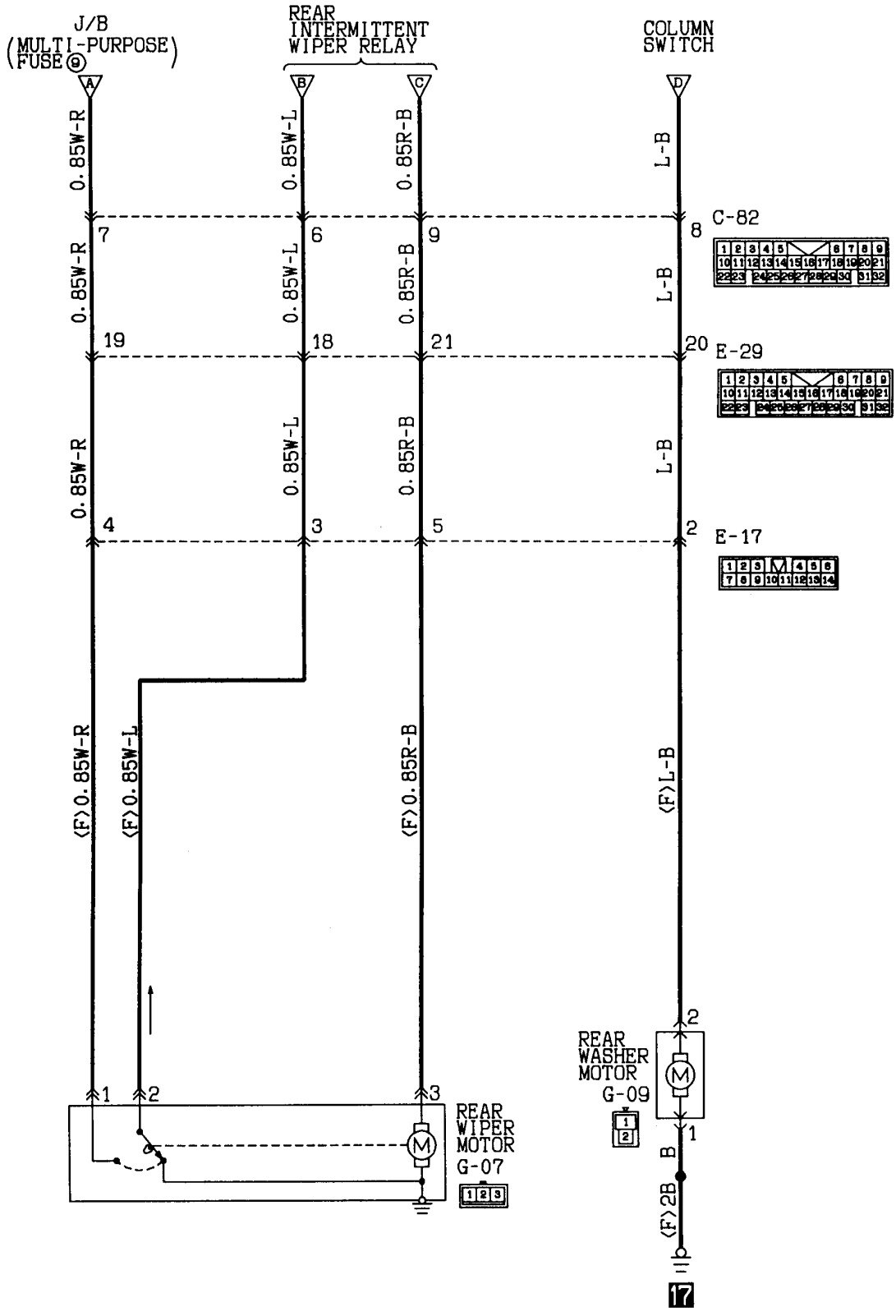
Wire colour code

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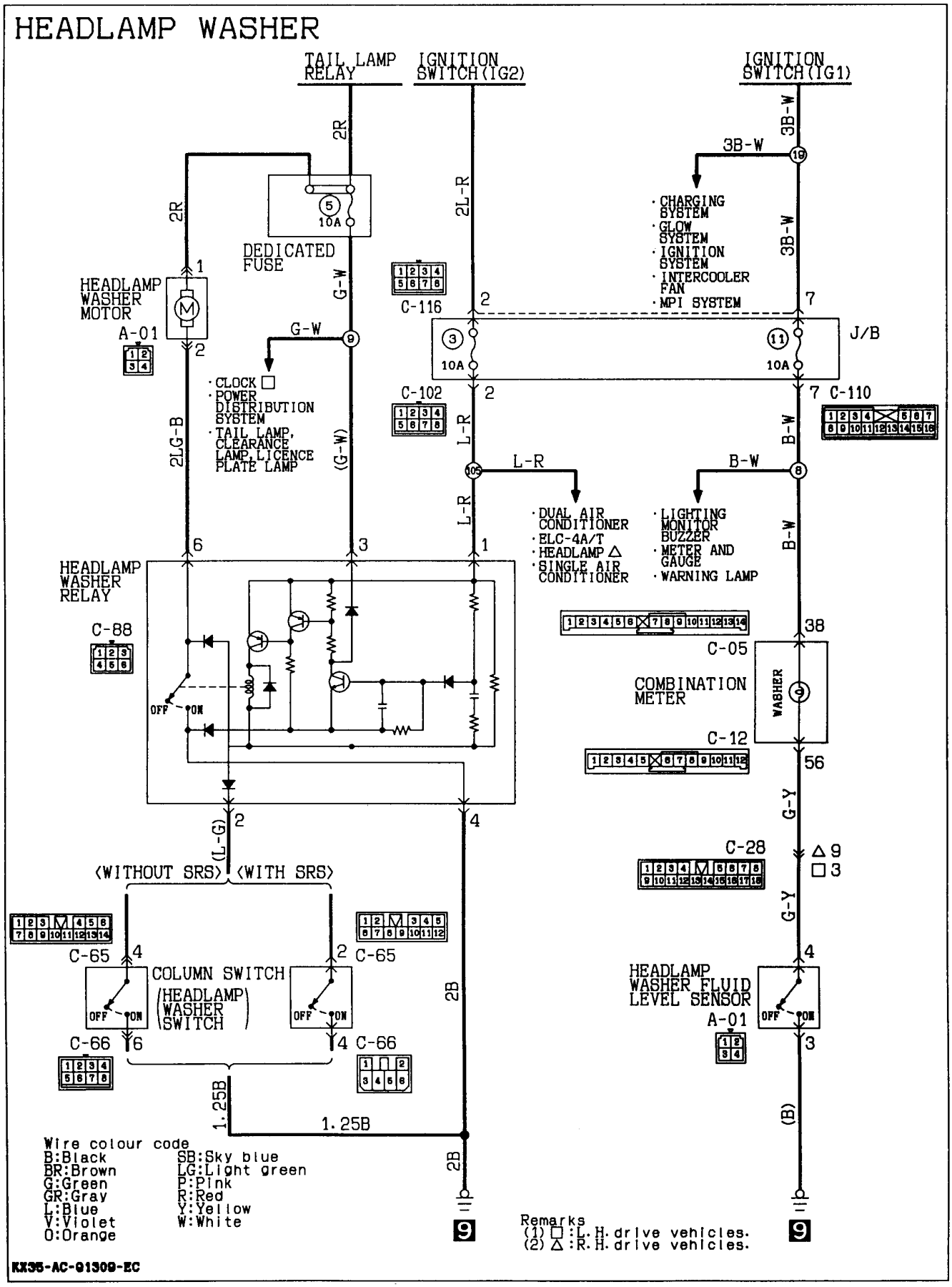
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HEADLAMP WASHER (See P. 4A-268.)

OPERATION

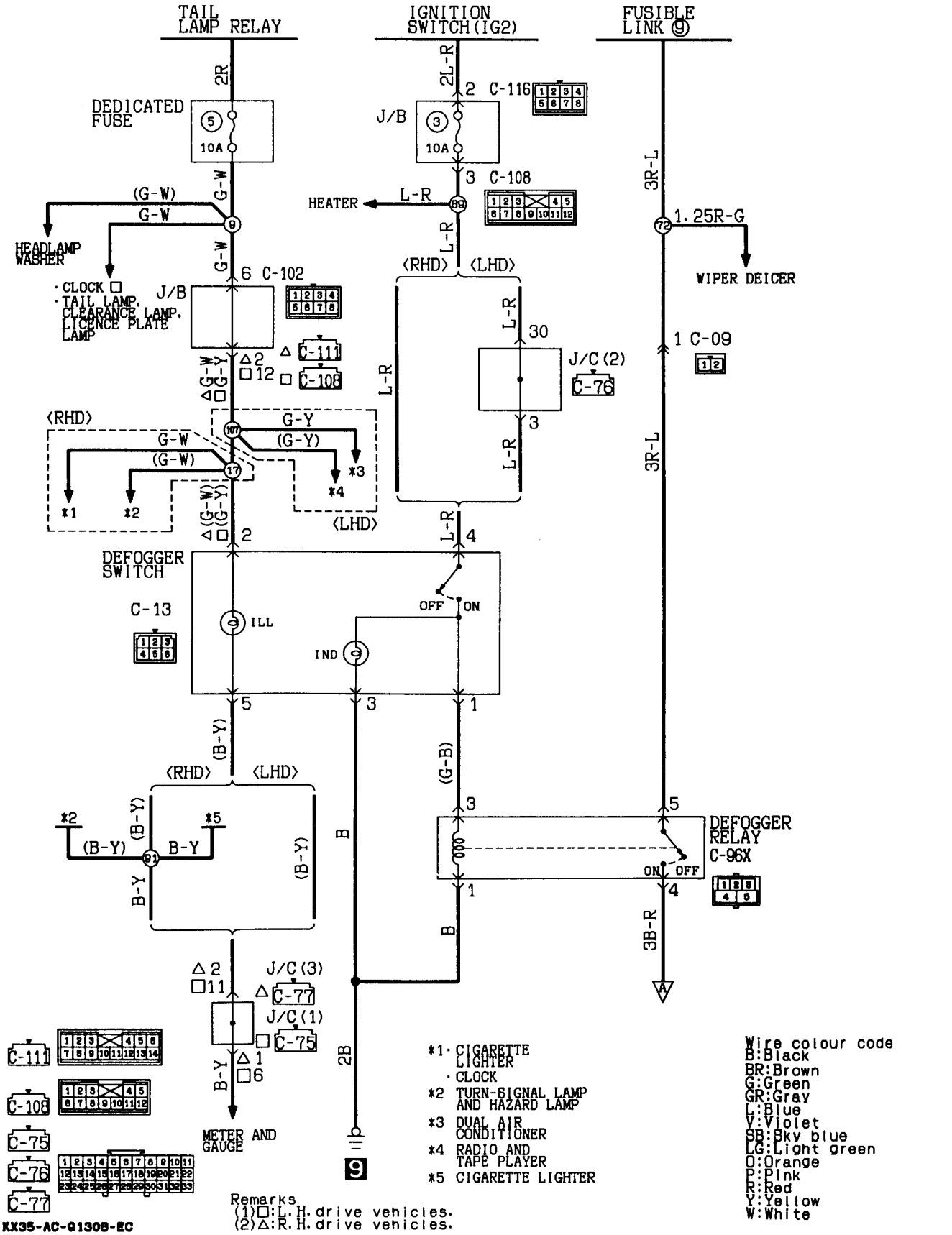
- When the headlamp washer switch is turned ON with ignition switch in ON and lighting switch in TAIL or HEAD position, the headlamp washer relay is energized causing the headlamp washer motor to start.

TROUBLESHOOTING HINTS

1. Headlamp washer motor does not start.
   1) Blower motor does not start, either.
      - Check multi-purpose fuse No. ③.
   2) Blower motor does start.
      - Check headlamp washer motor.
      - Check headlamp washer relay.
      - Check headlamp washer switch.

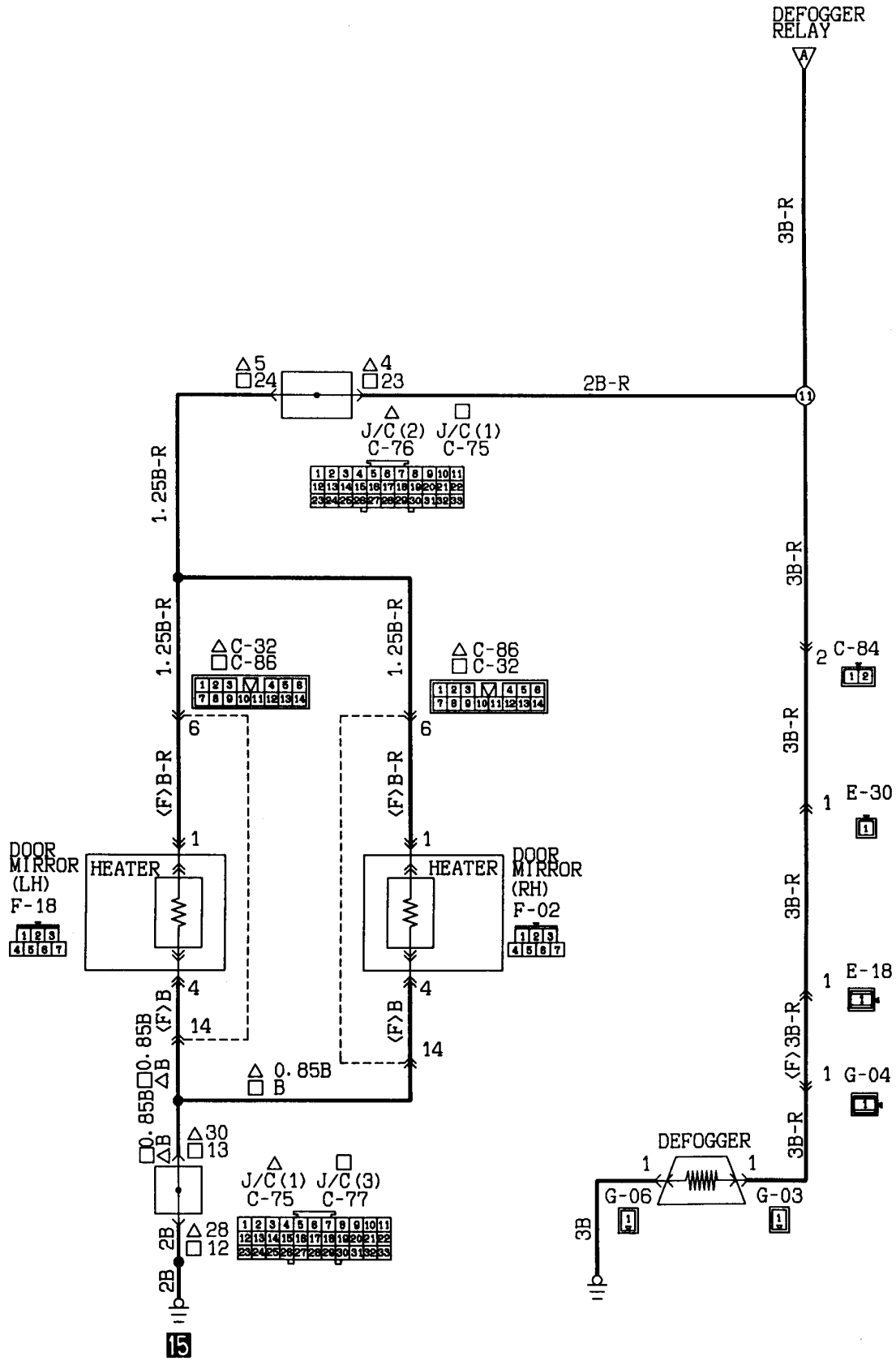
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DEFOGGER AND DOOR MIRROR HEATER



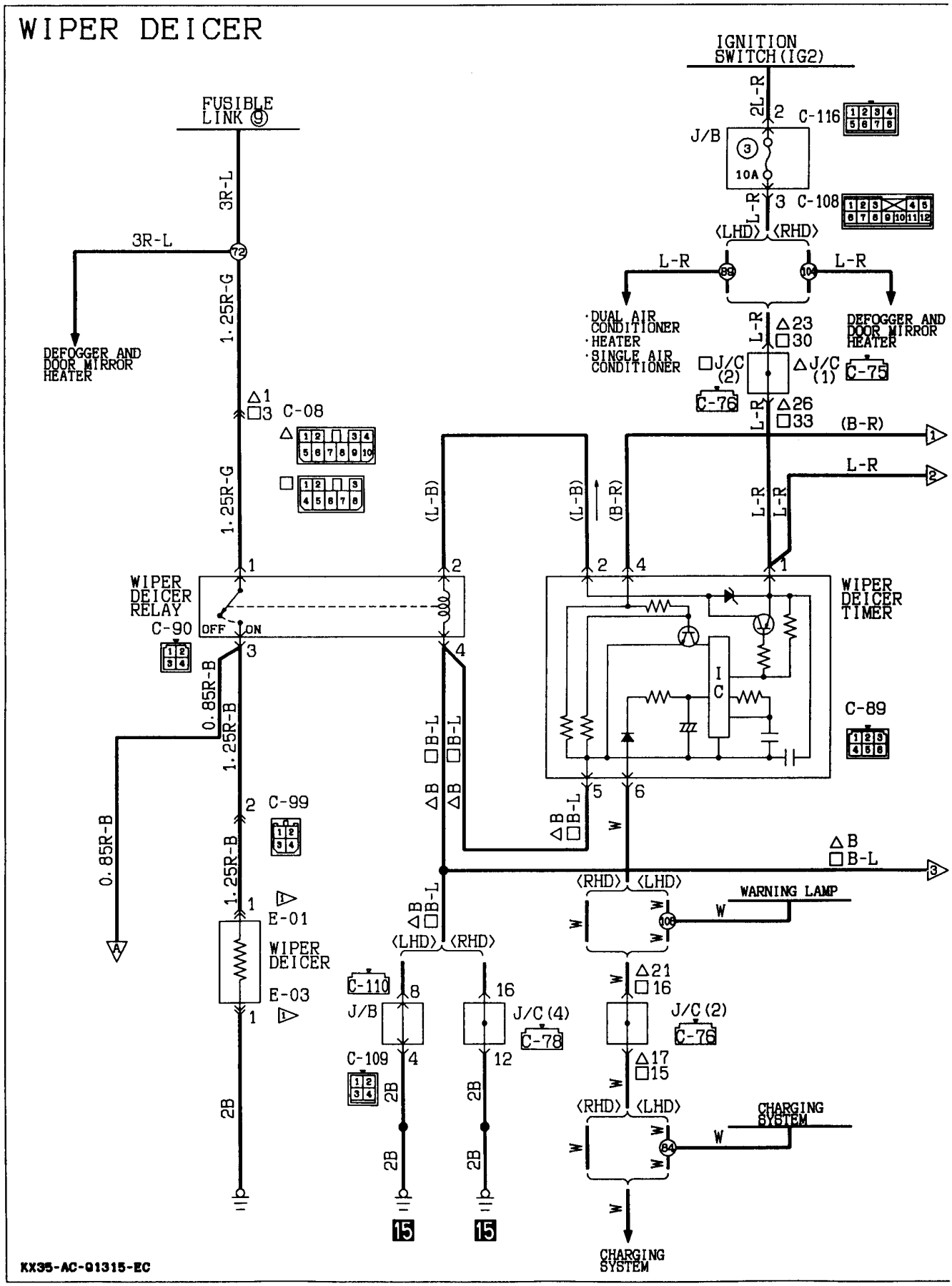
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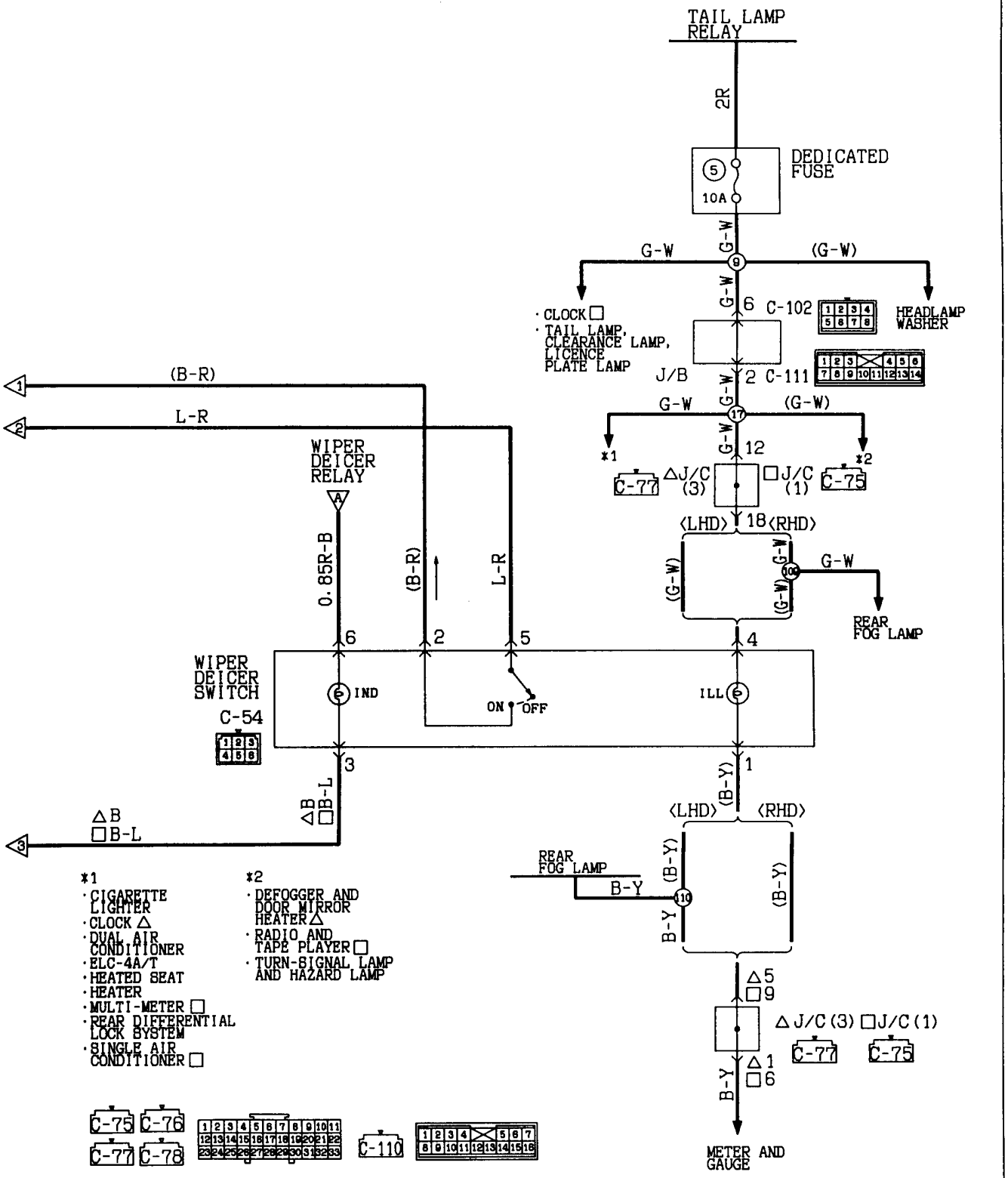
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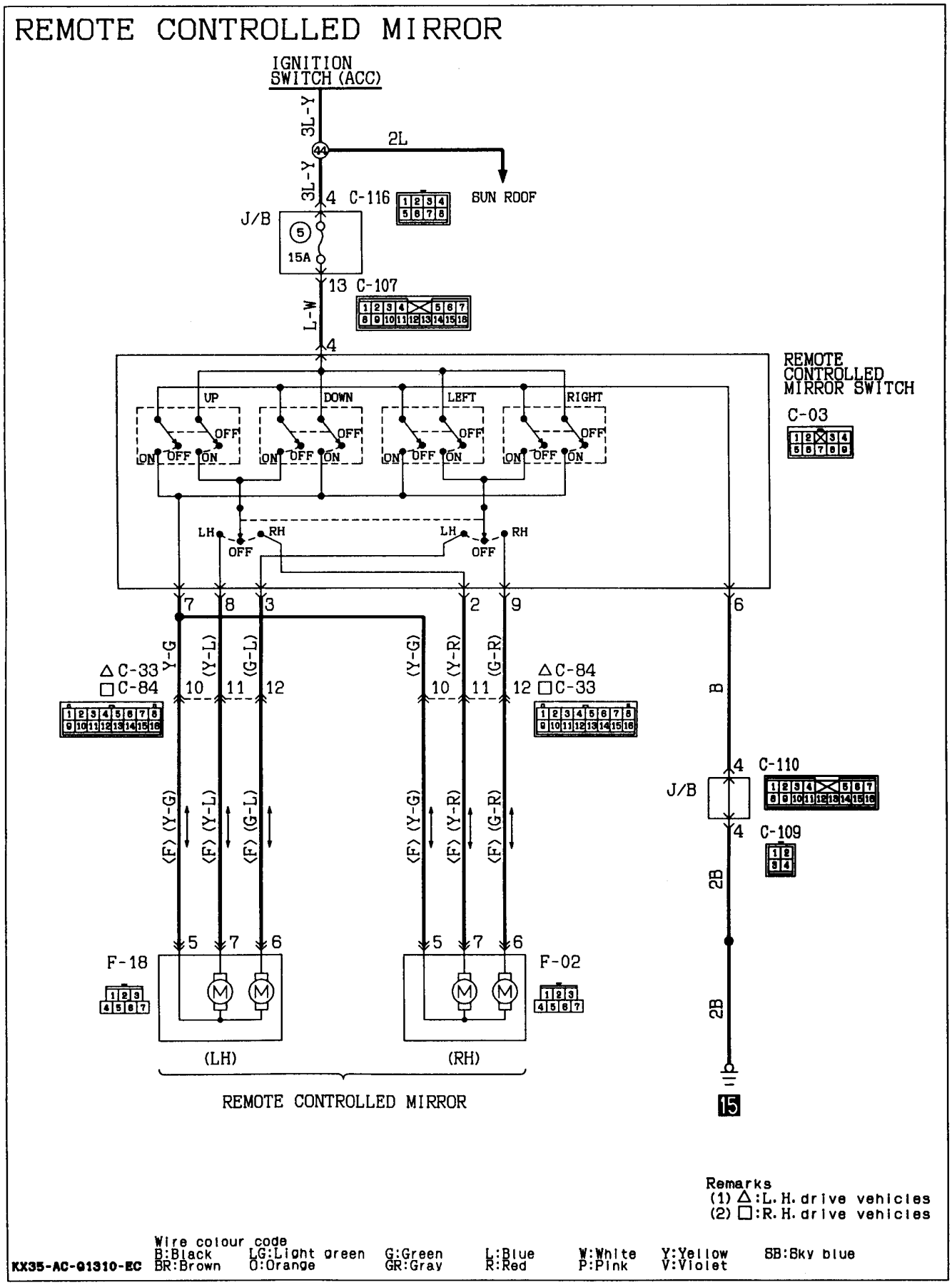
Remarks
(1) □ : L.H. drive vehicles.
(2) △ : R.H. drive vehicles.

Wire colour code

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

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Remarks
(1) △:L.H. drive vehicles
(2) □:R.H. drive vehicles

Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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REMOTE CONTROLLED MIRROR (See P. 4A-274.)

OPERATION

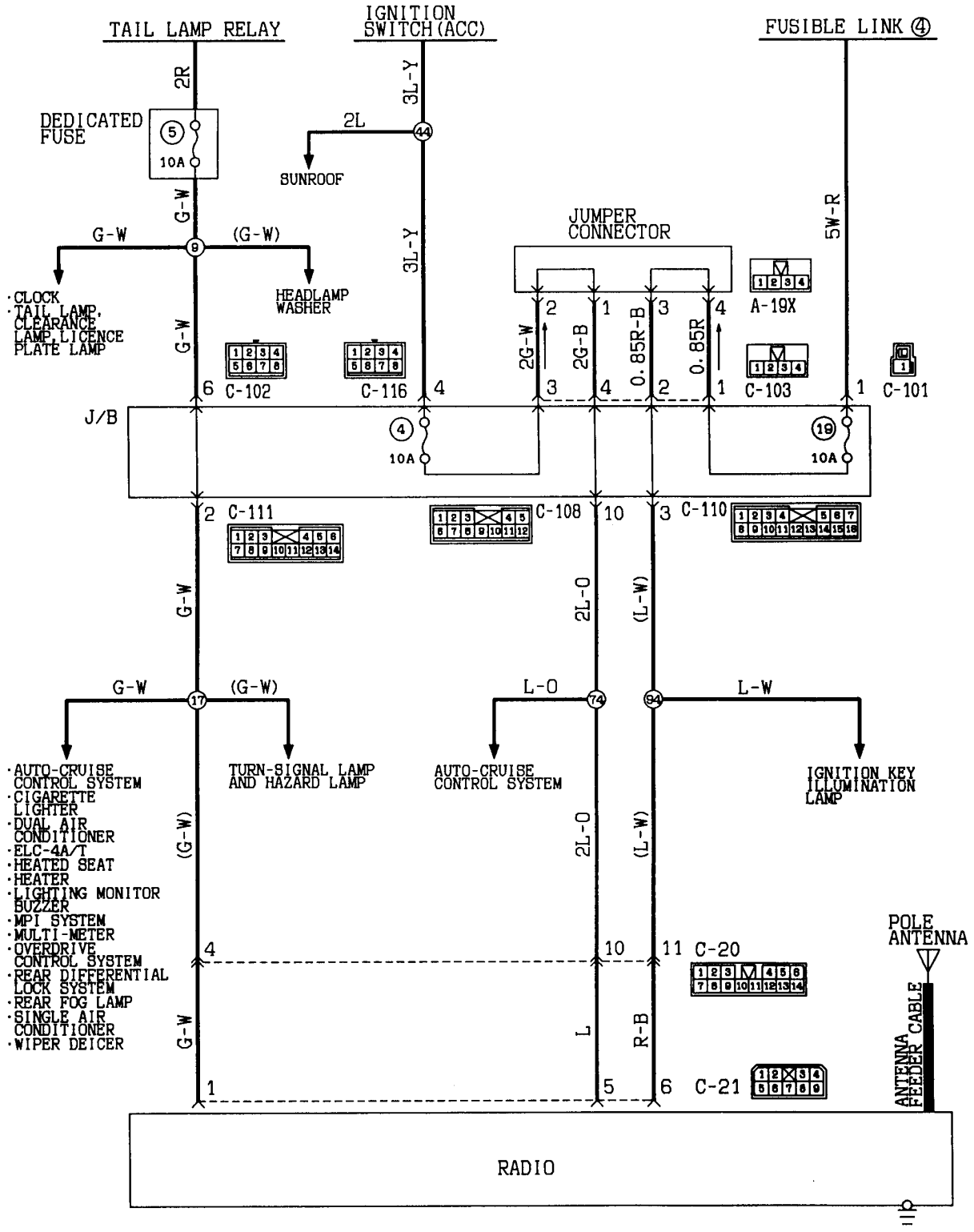
- When the remote controlled mirror switch is operated with the ignition switch in ACC or ON position, the motor is started allowing the driver to adjust the orientation of the mirror surface.

TROUBLESHOOTING HINTS

1. LH and RH mirrors do not move.
   1) Cigarette lighter is also inoperative.
      - Check multi-purpose fuse No. ⑤.
   2) Cigarette lighter is operative.
      - Check remote controlled mirror switch.

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RADIO AND TAPE PLAYER
L.H. drive vehicles<AM/FM radio>



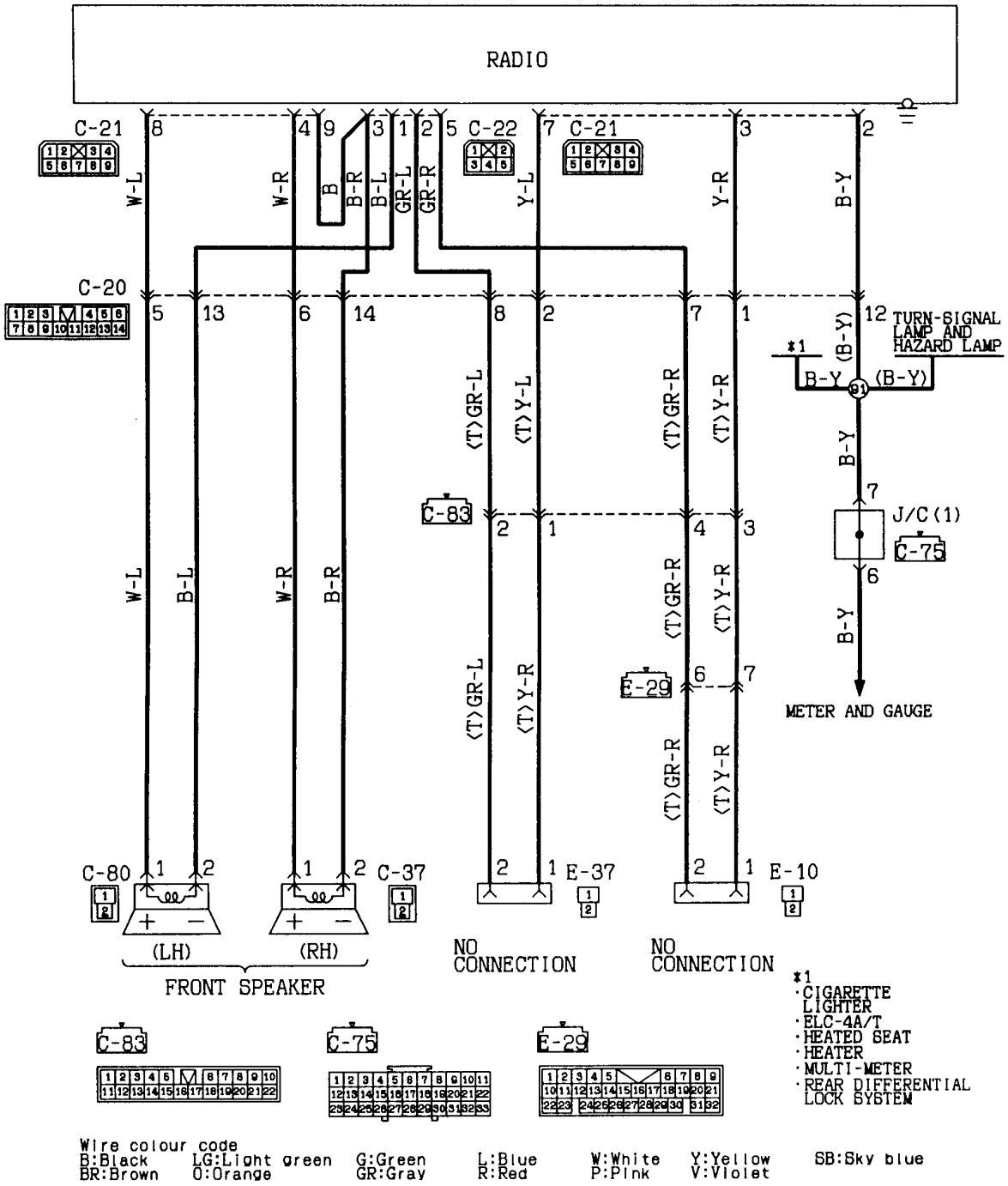
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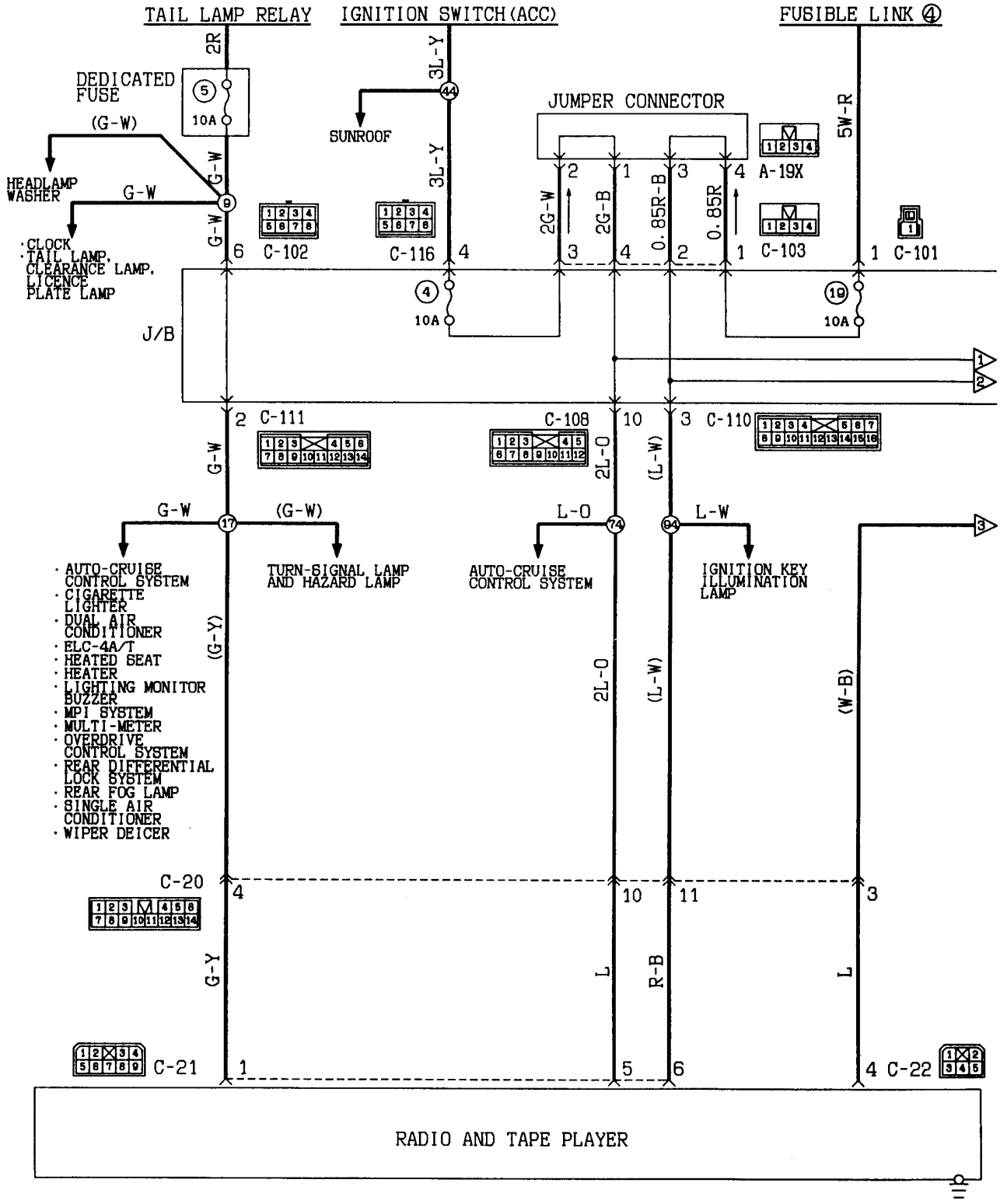


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RADIO AND TAPE PLAYER

L.H. drive vehicles〈LW/MW/FM radio and tape player〉



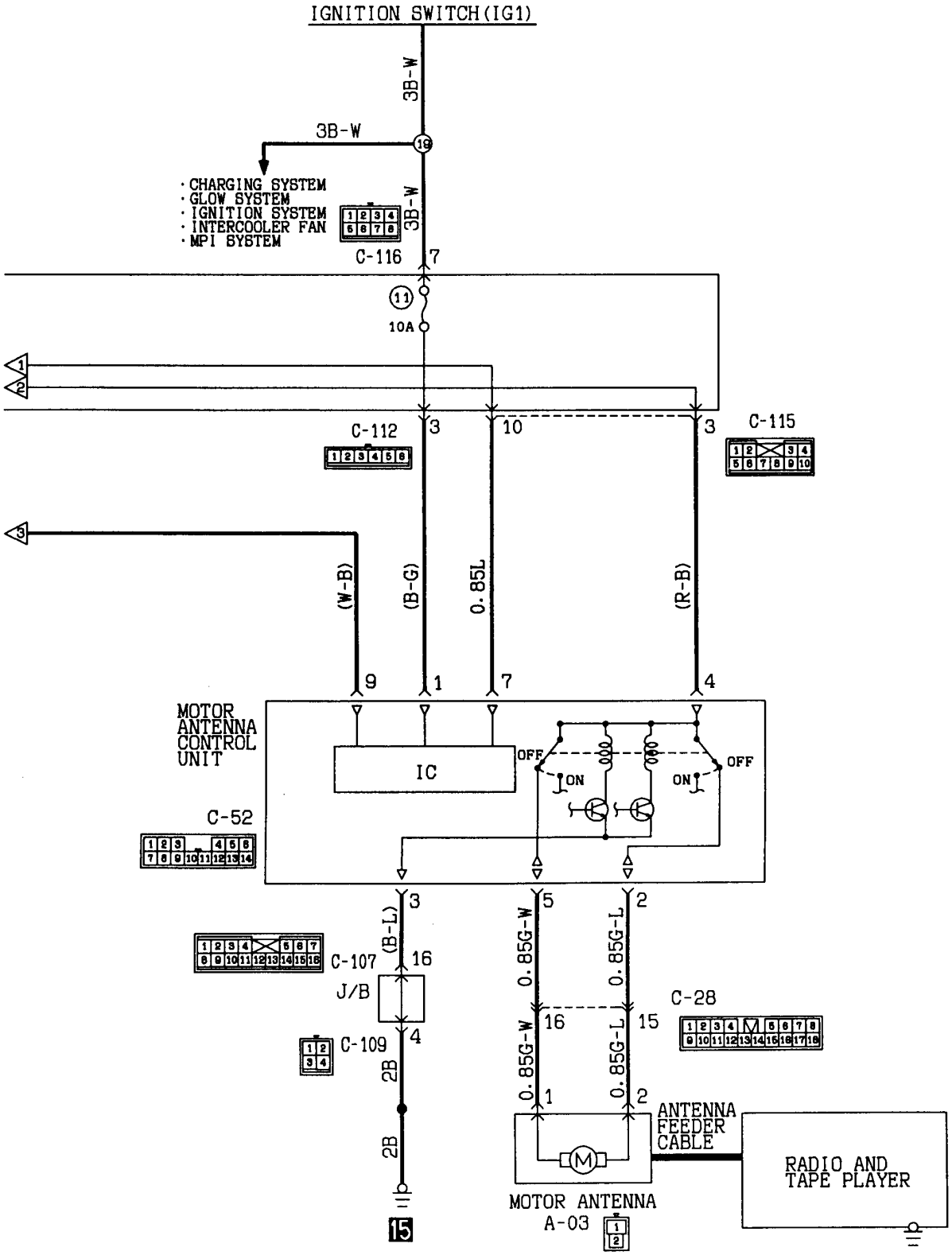
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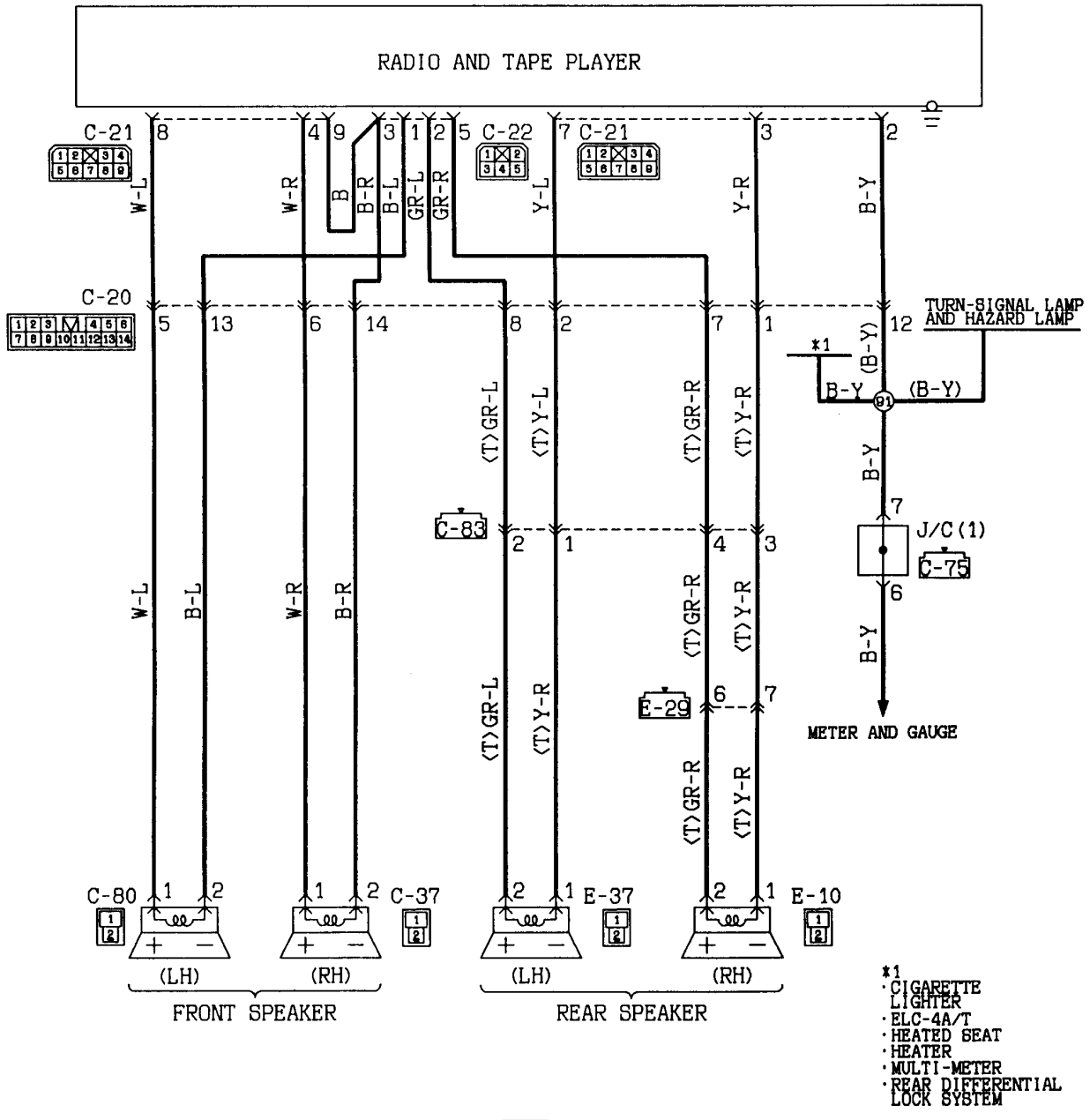
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RADIO AND TAPE PLAYER
〈L.H.drive vehicles(LW/MW/FM radio and tape player)〉
(CONTINUED)



Wire colour code
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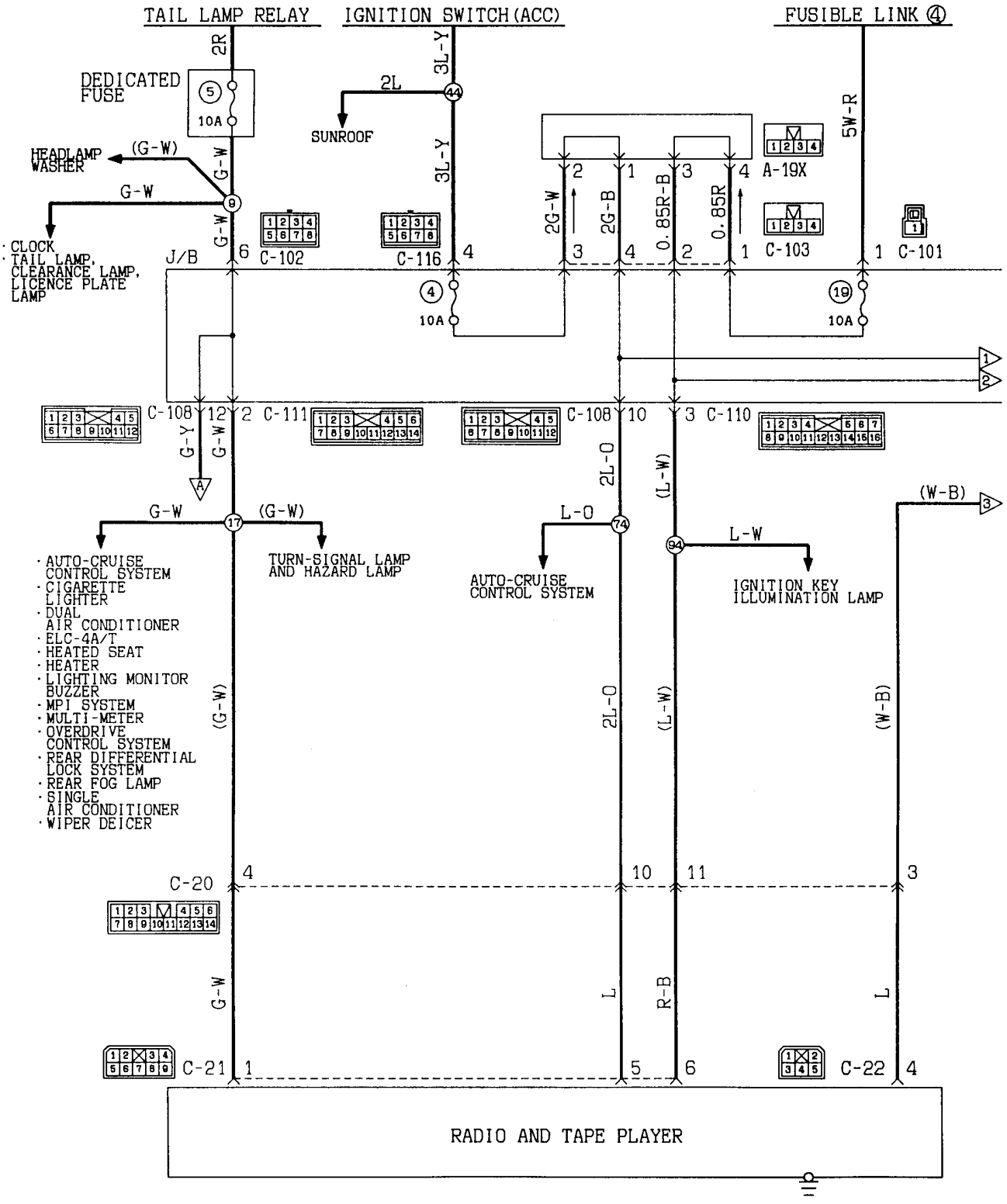
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RADIO AND TAPE PLAYER

L.H. drive vehicles〈AM/FM radio and tape player〉



Wire colour code

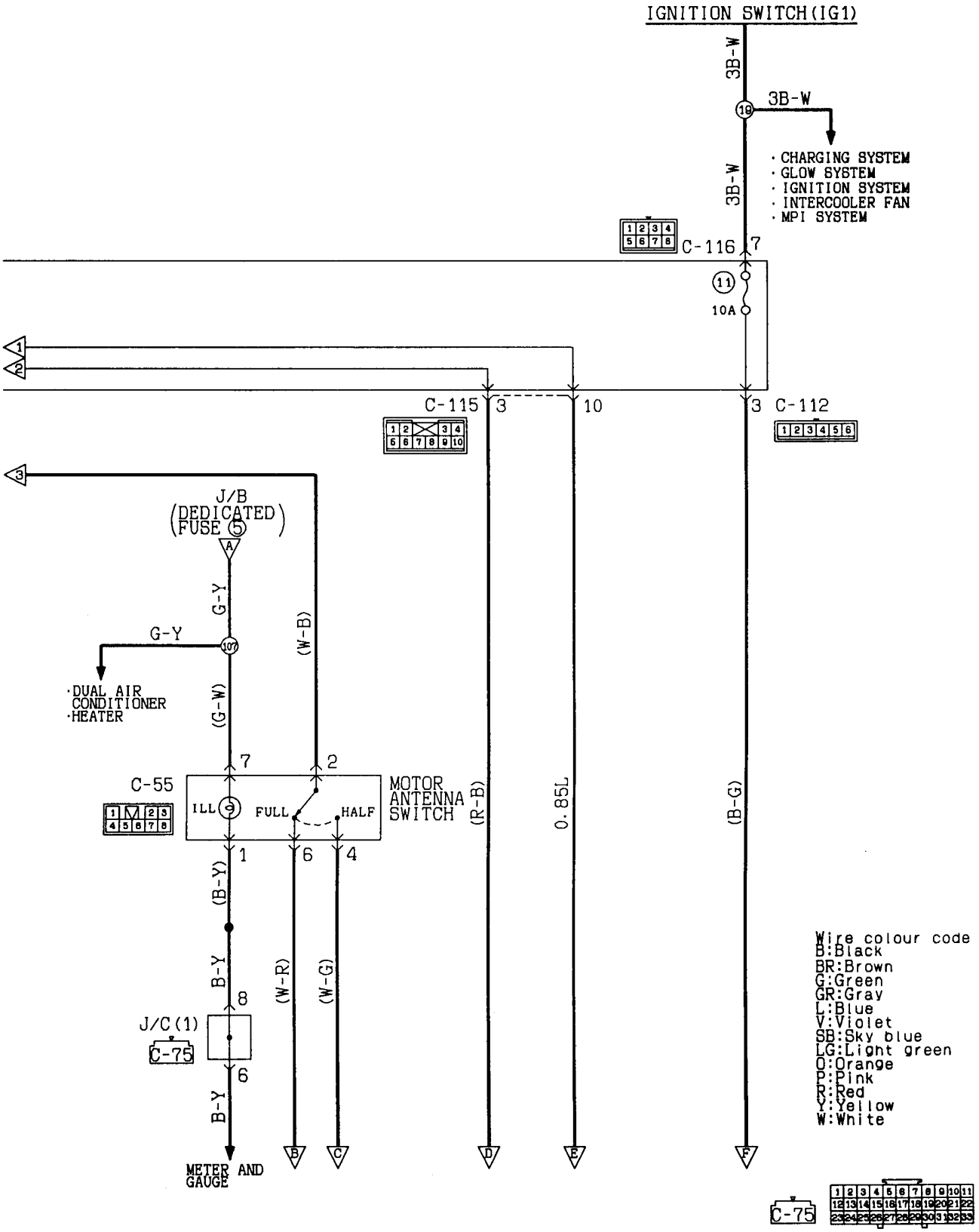
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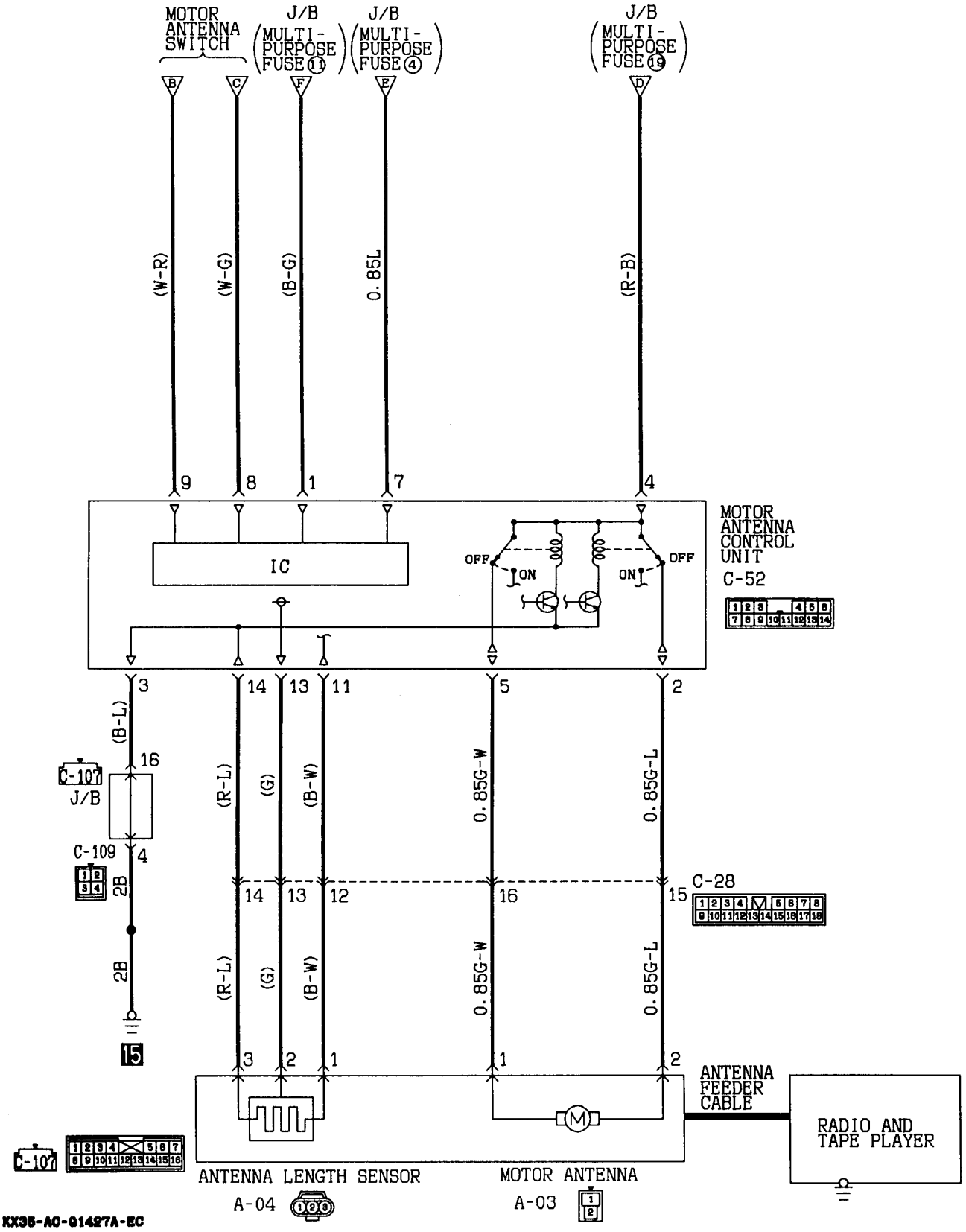
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RADIO AND TAPE PLAYER
L.H. drive vehicles<AM/FM radio and tape player>
(CONTINUED)



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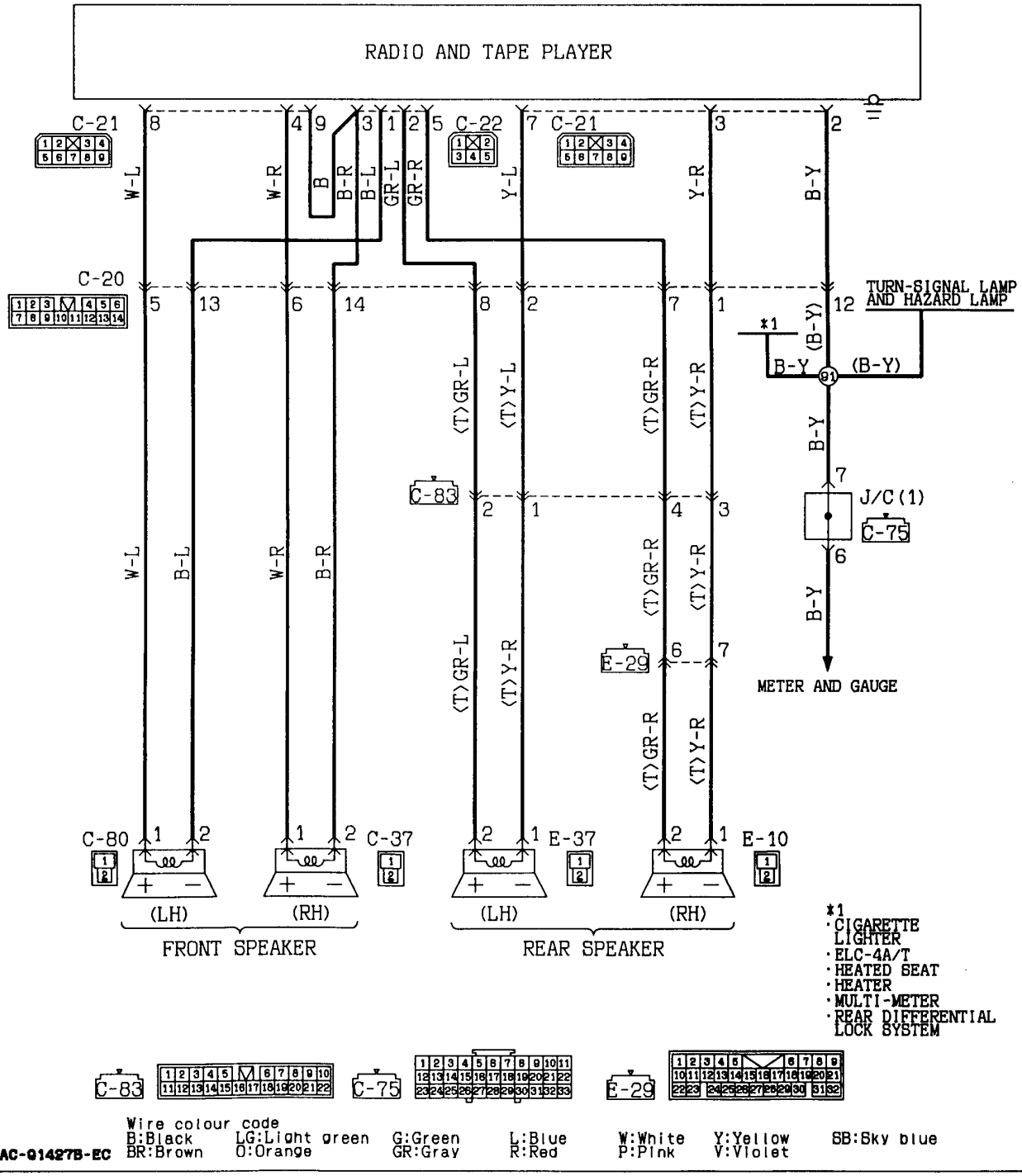


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RADIO AND TAPE PLAYER
〈L.H.drive vehicles(AM/FM radio and tape player)〉
(CONTINUED)



Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

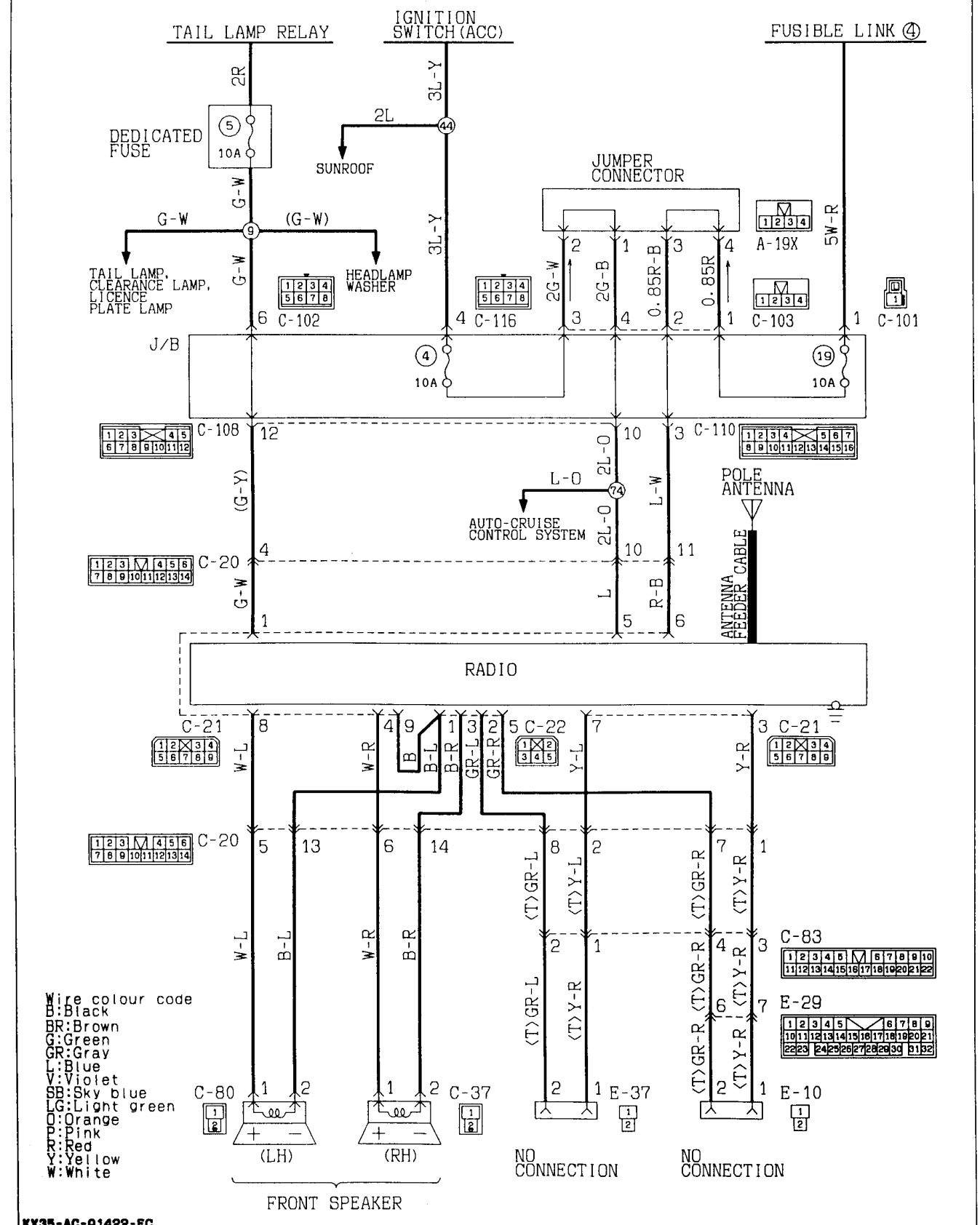
KX35-AC-Q1427B-EC

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RADIO AND TAPE PLAYER

R.H. drive vehicles <AM/FM radio>



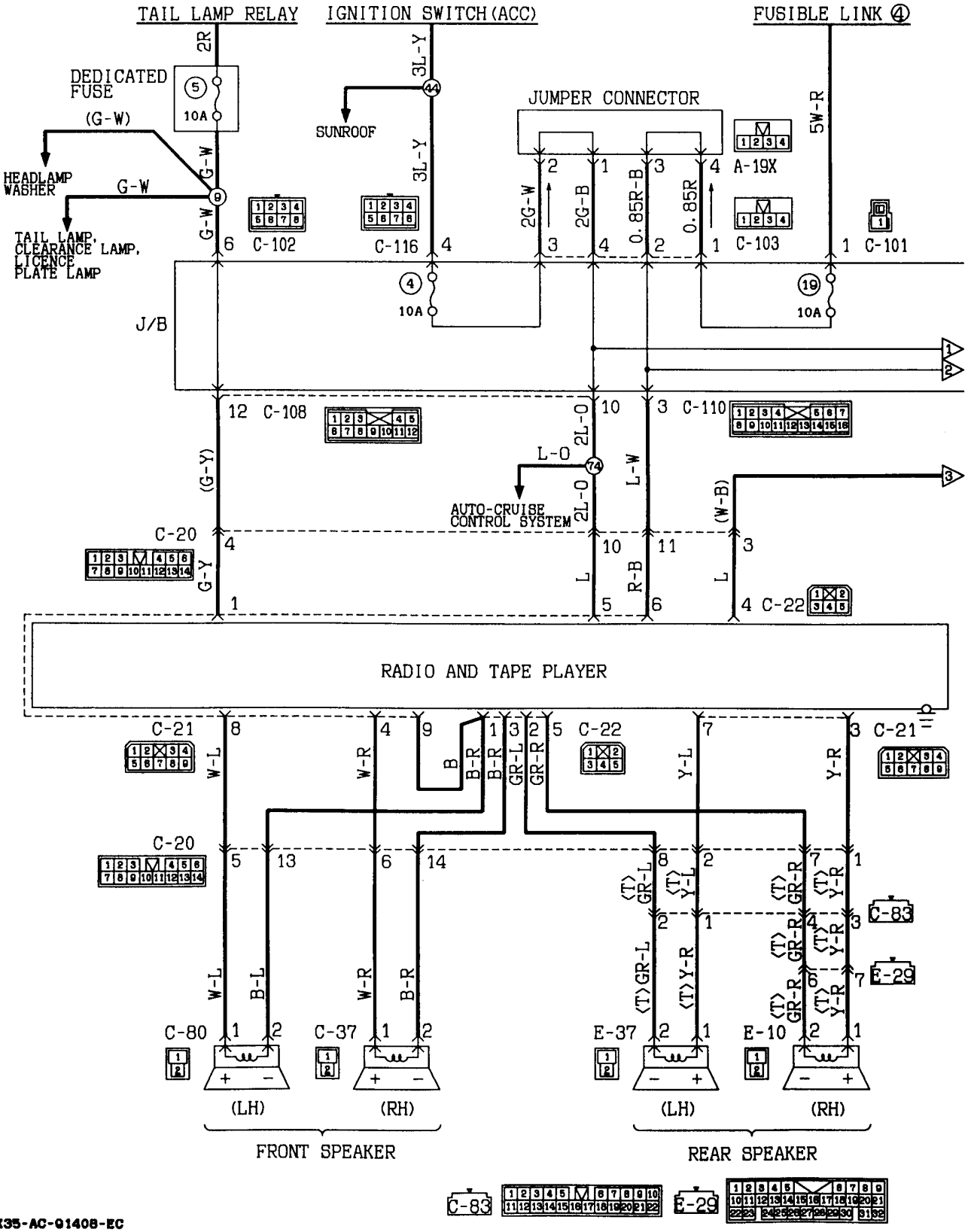
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RADIO AND TAPE PLAYER

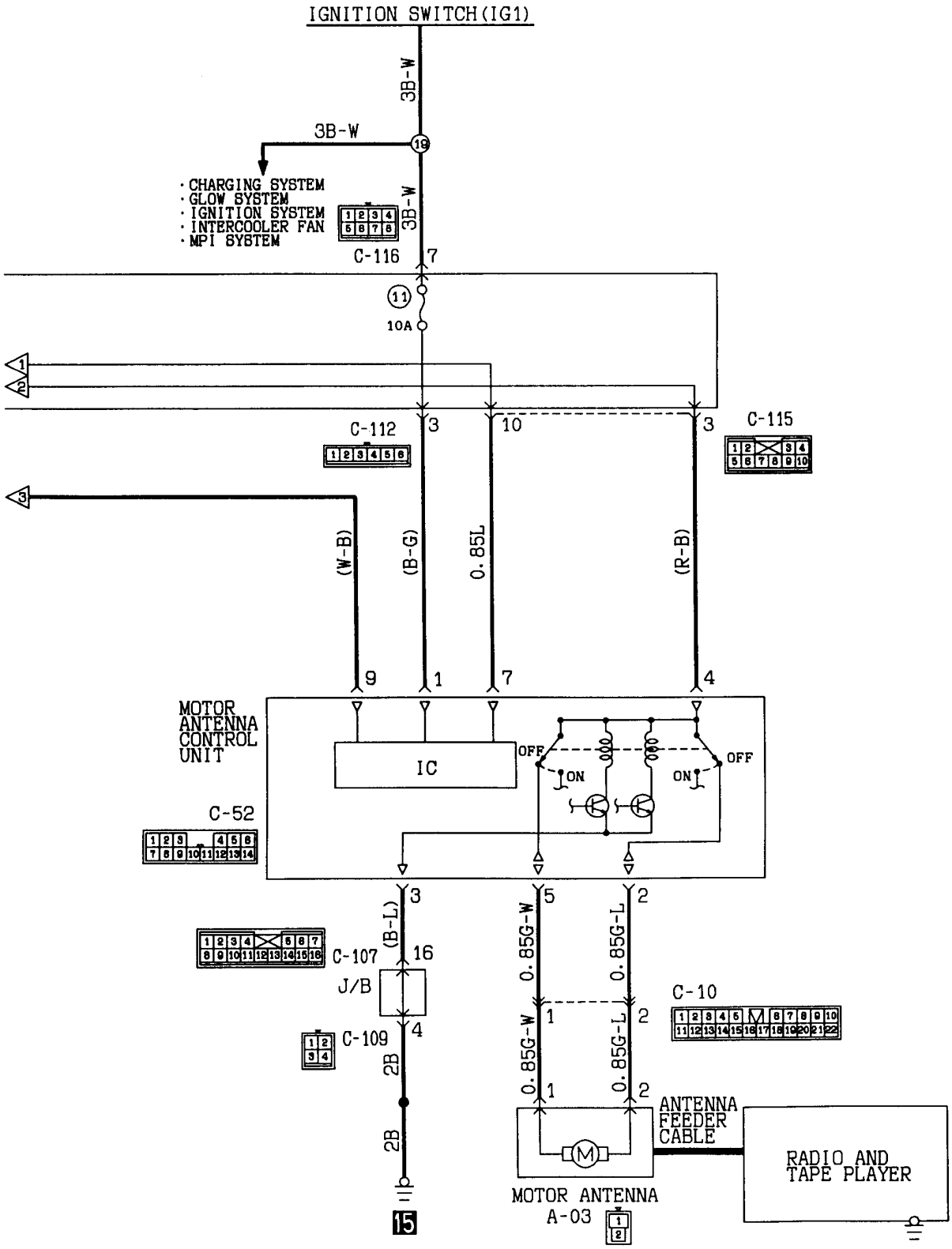
R.H. drive vehicles〈LW/MW/FM radio and tape player〉



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Wire colour code

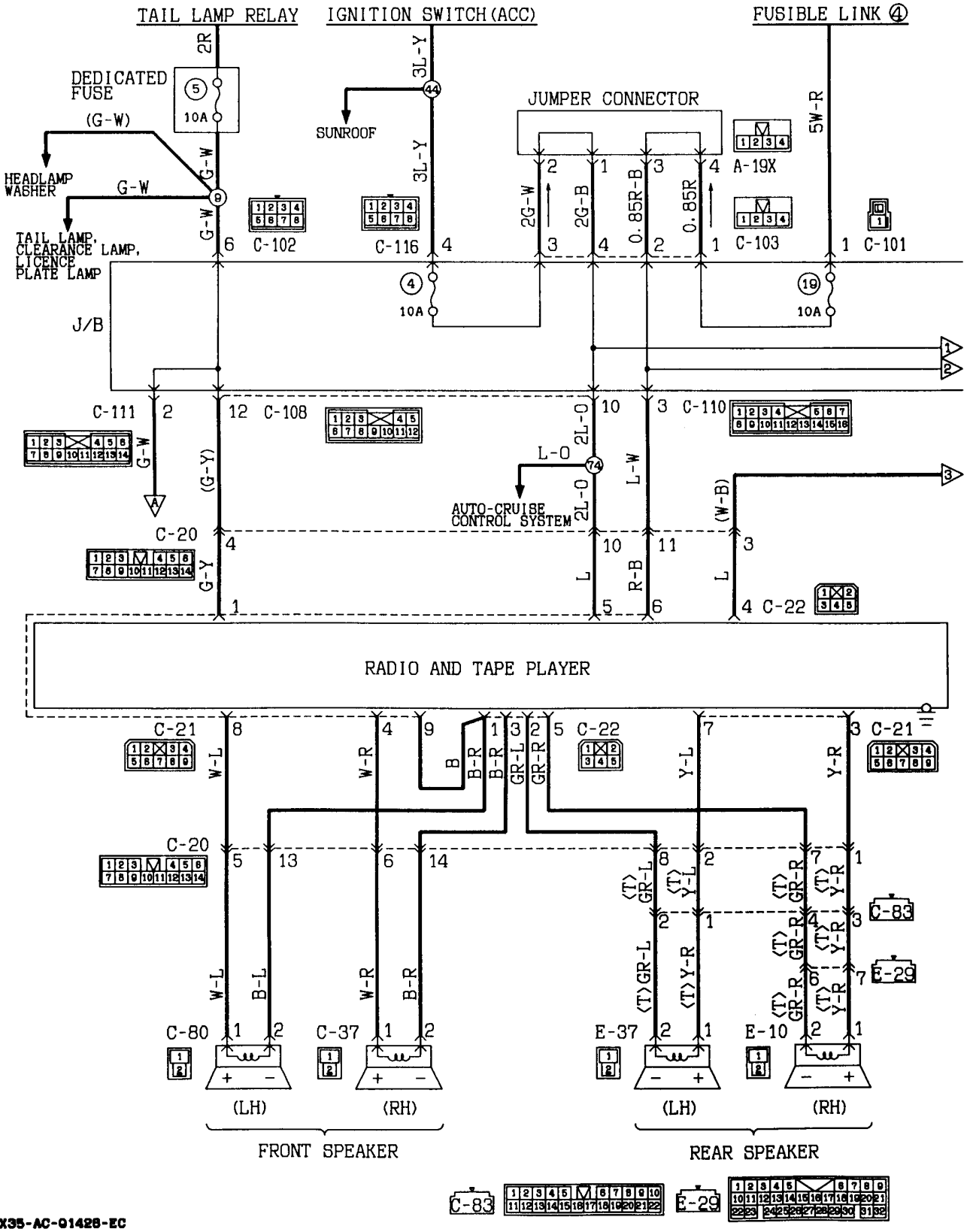
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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RADIO AND TAPE PLAYER

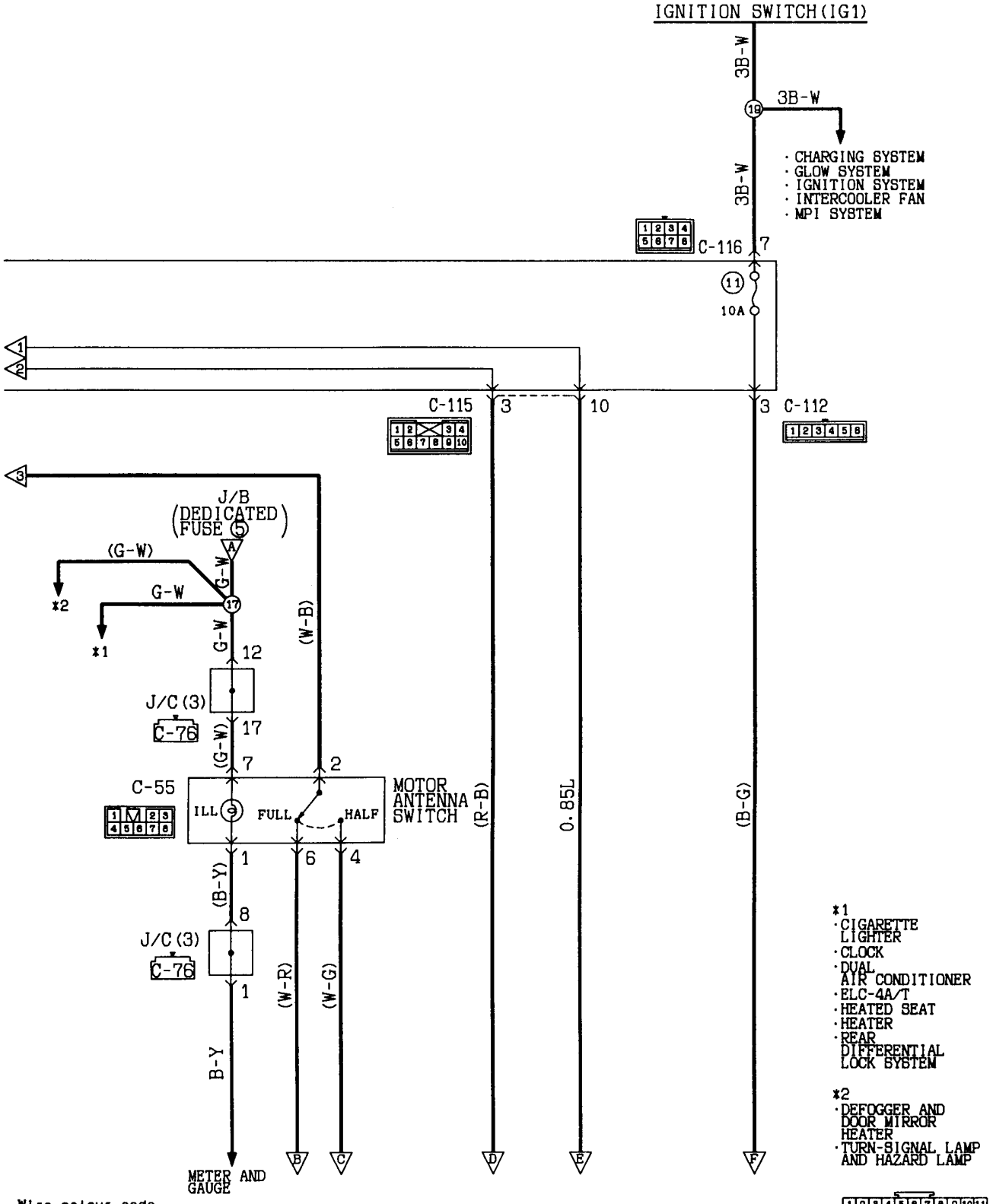
R.H.drive vehicles〈AM/FM radio and tape player〉



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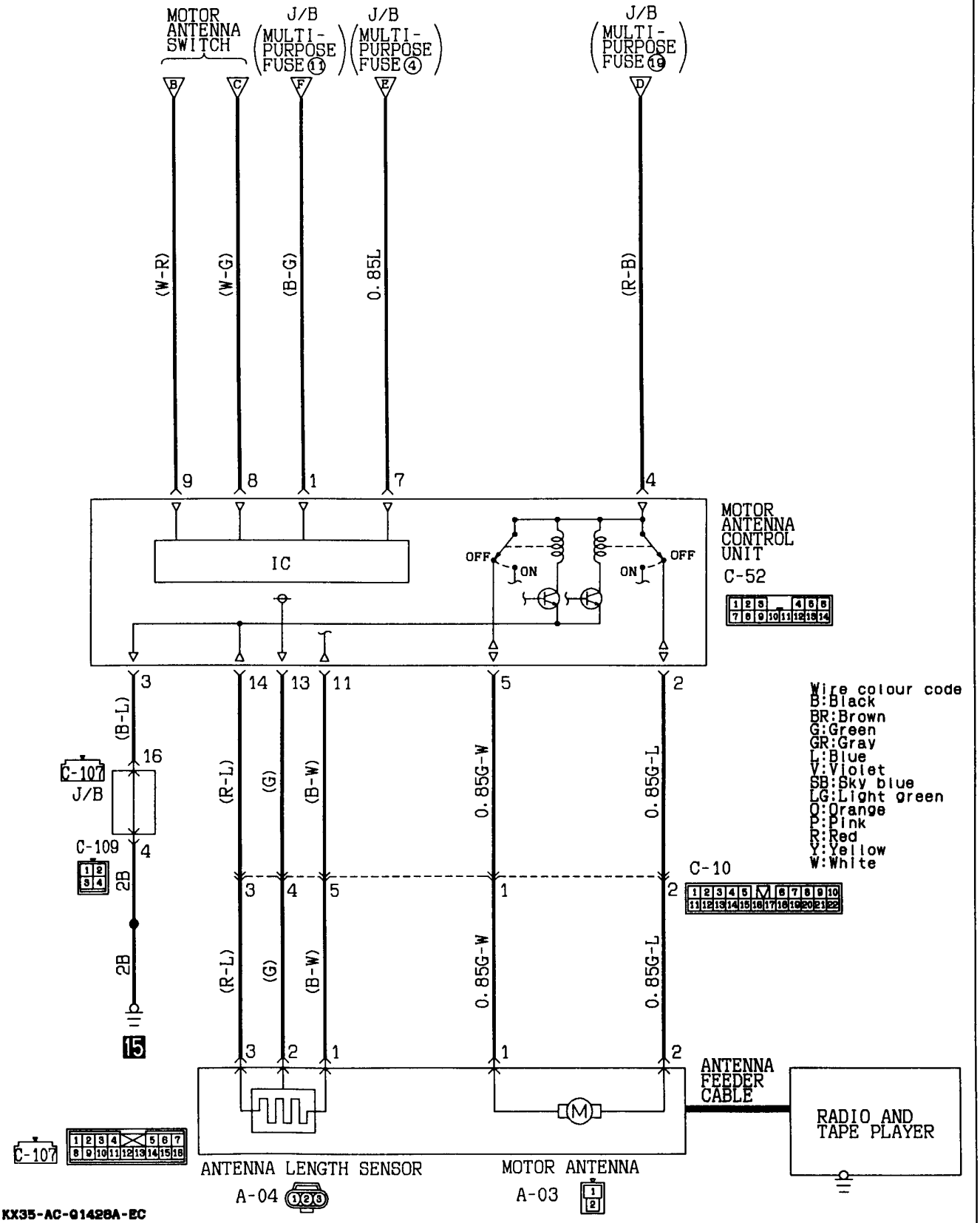
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B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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RADIO AND TAPE PLAYER
〈R.H.drive vehicles(AM/FM radio and tape player)〉
(CONTINUED)

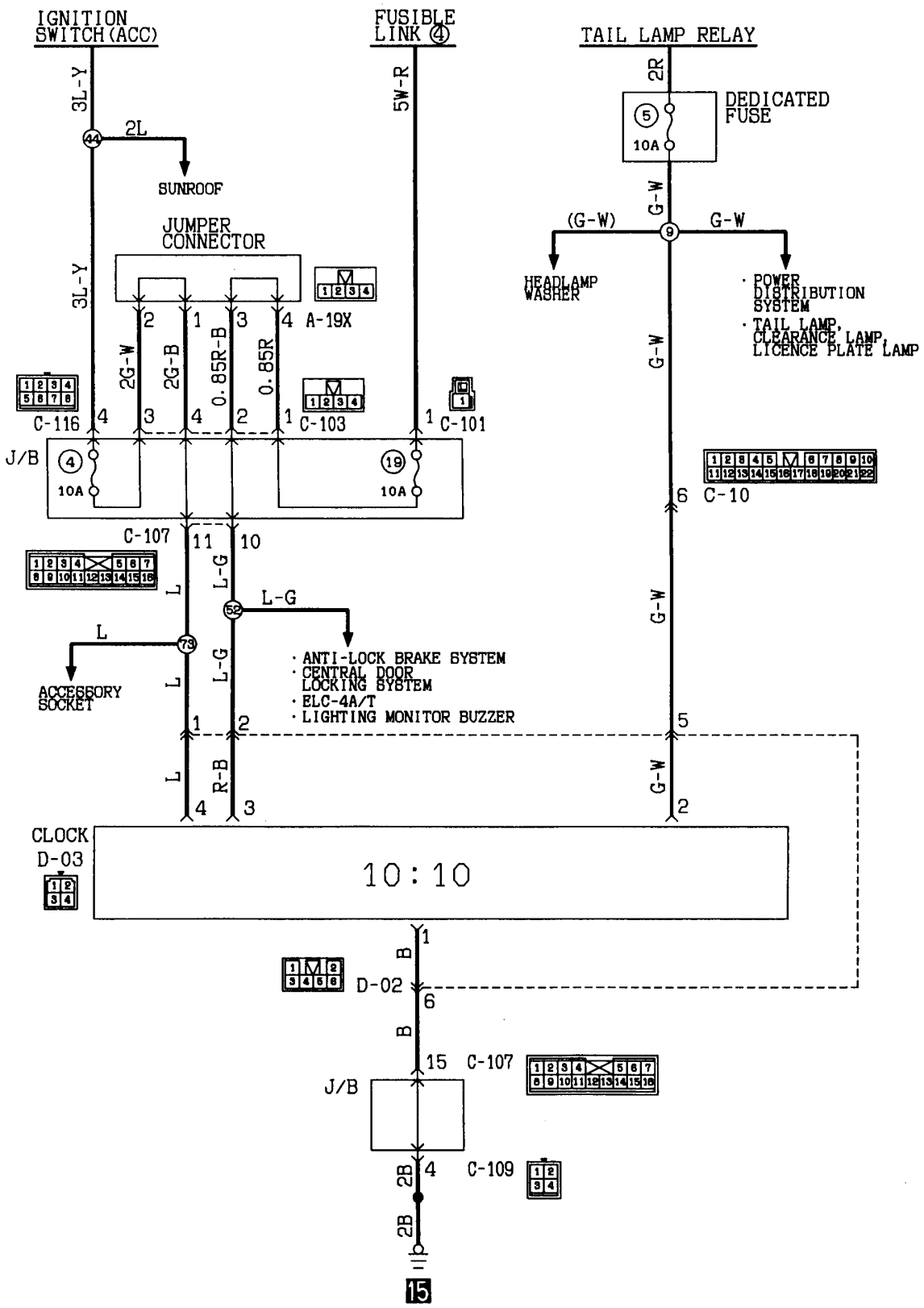


KX35-AC-Q1428A-EC

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CLOCK
L.H. drive vehicles



Wire colour code

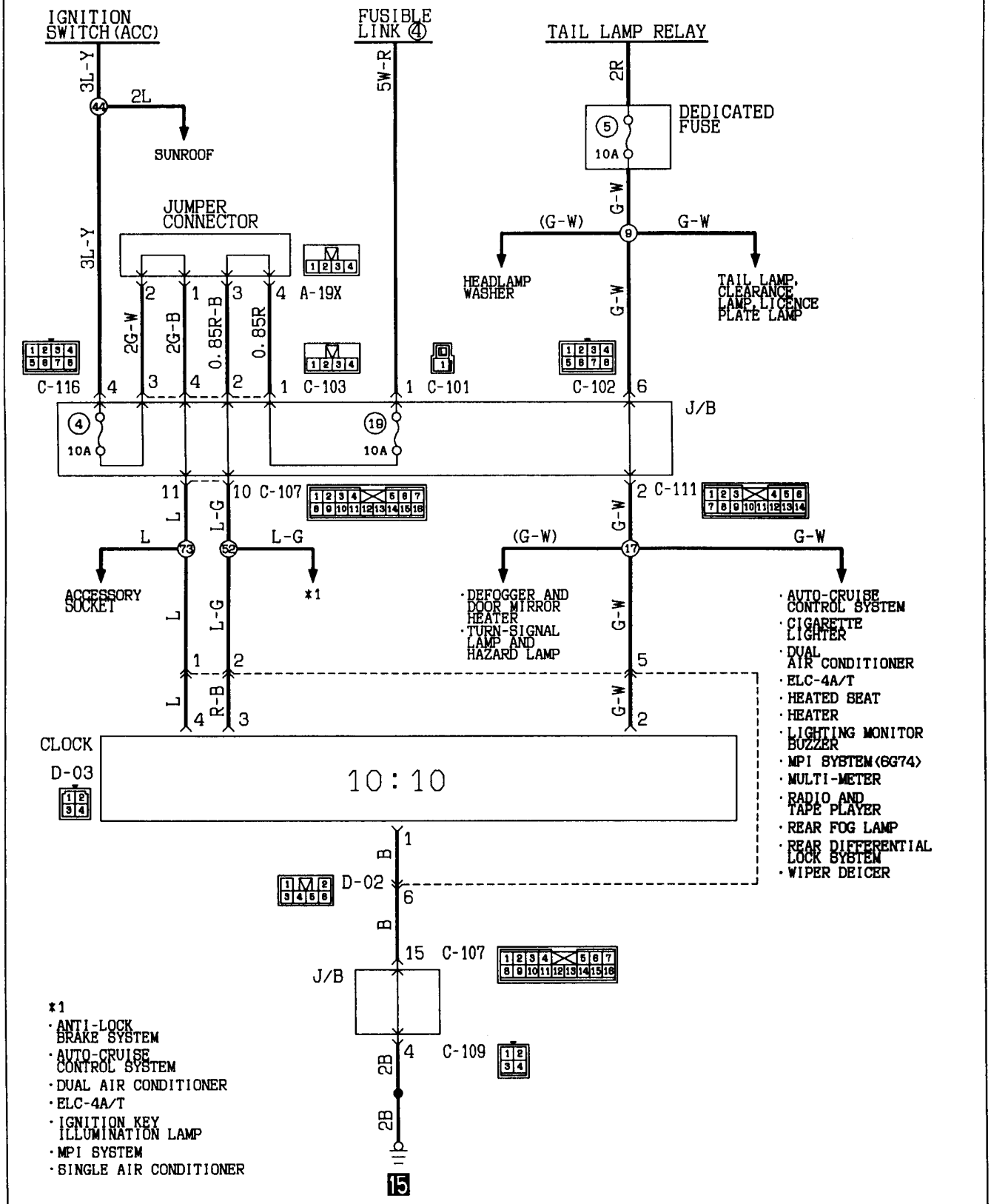
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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CLOCK
R.H. drive vehicles



Wire colour code

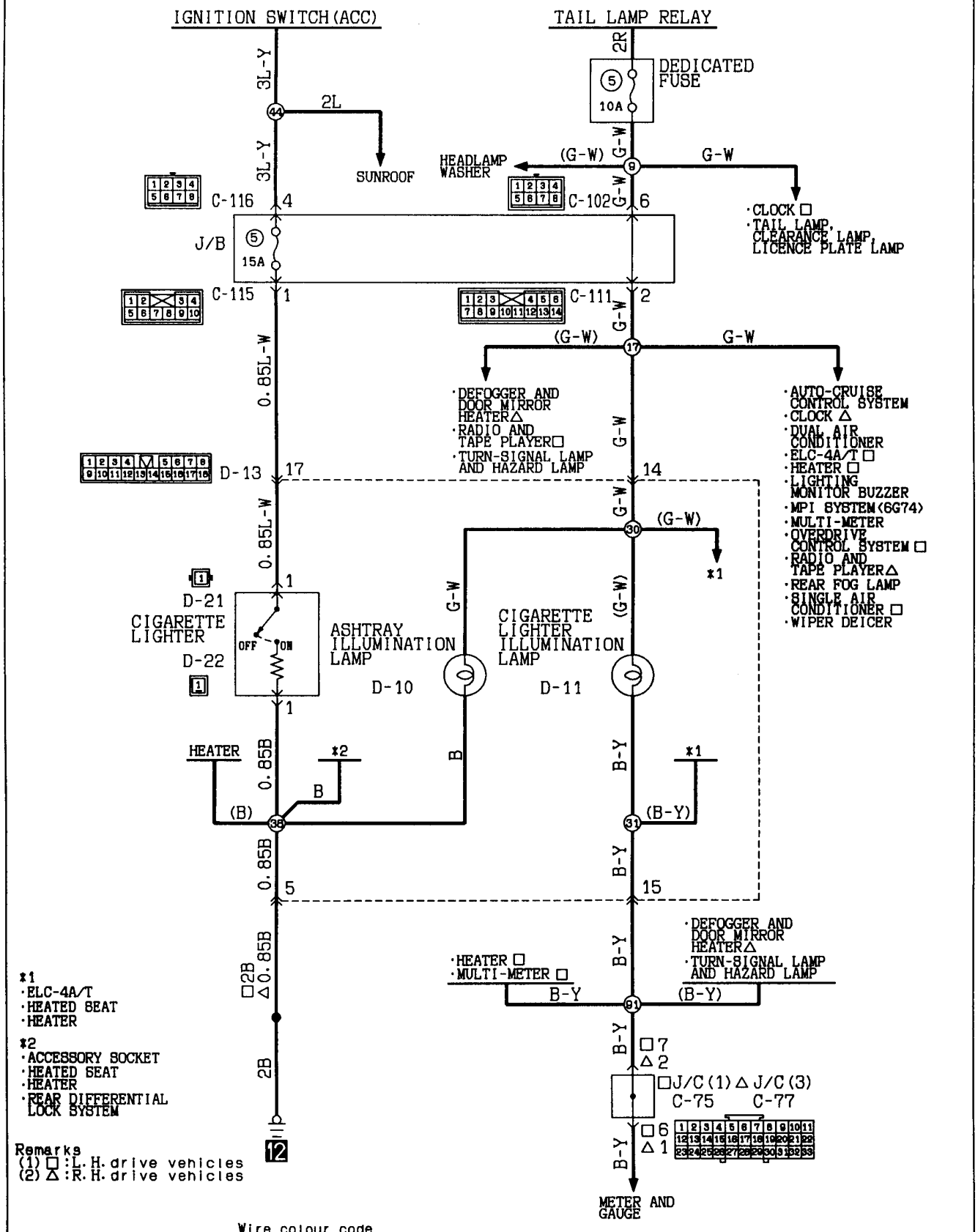
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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CIGARETTE LIGHTER

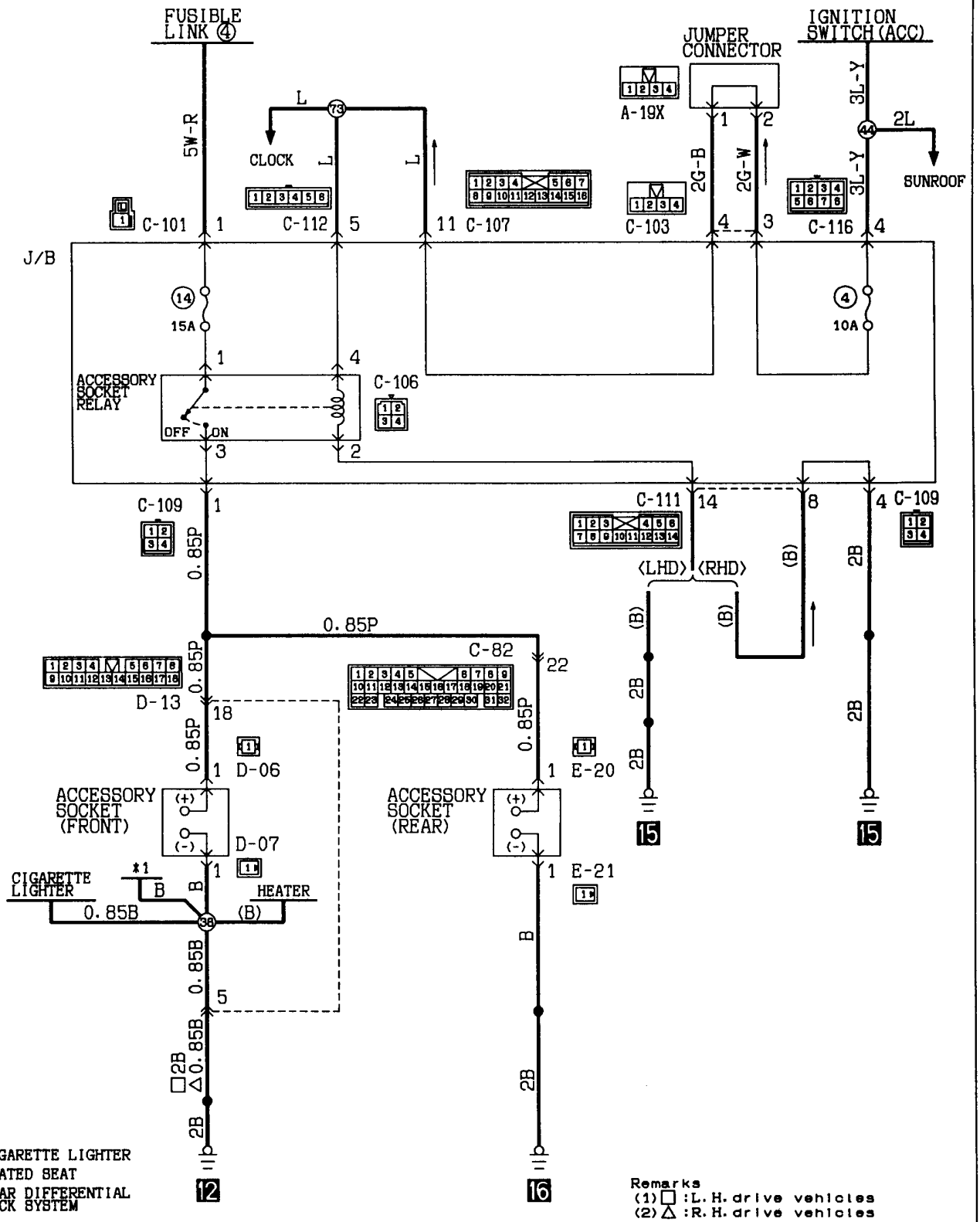


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ACCESSORY SOCKET



*1
·CIGARETTE LIGHTER
·HEATED SEAT
·REAR DIFFERENTIAL LOCK SYSTEM

Remarks
(1) □ :L.H. drive vehicles
(2) △ :R.H. drive vehicles

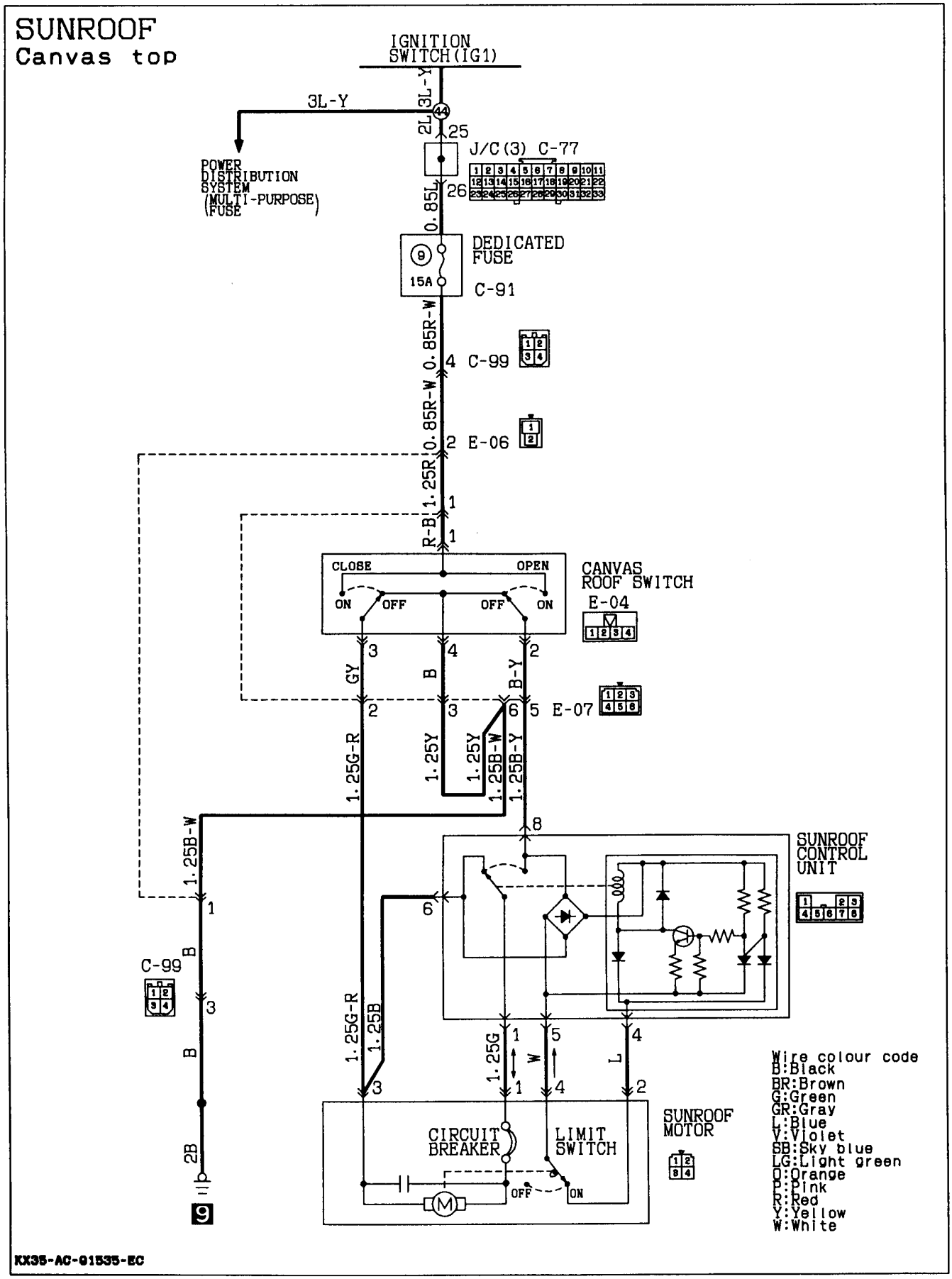
Wire colour code

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KX35-AC-01418-EC

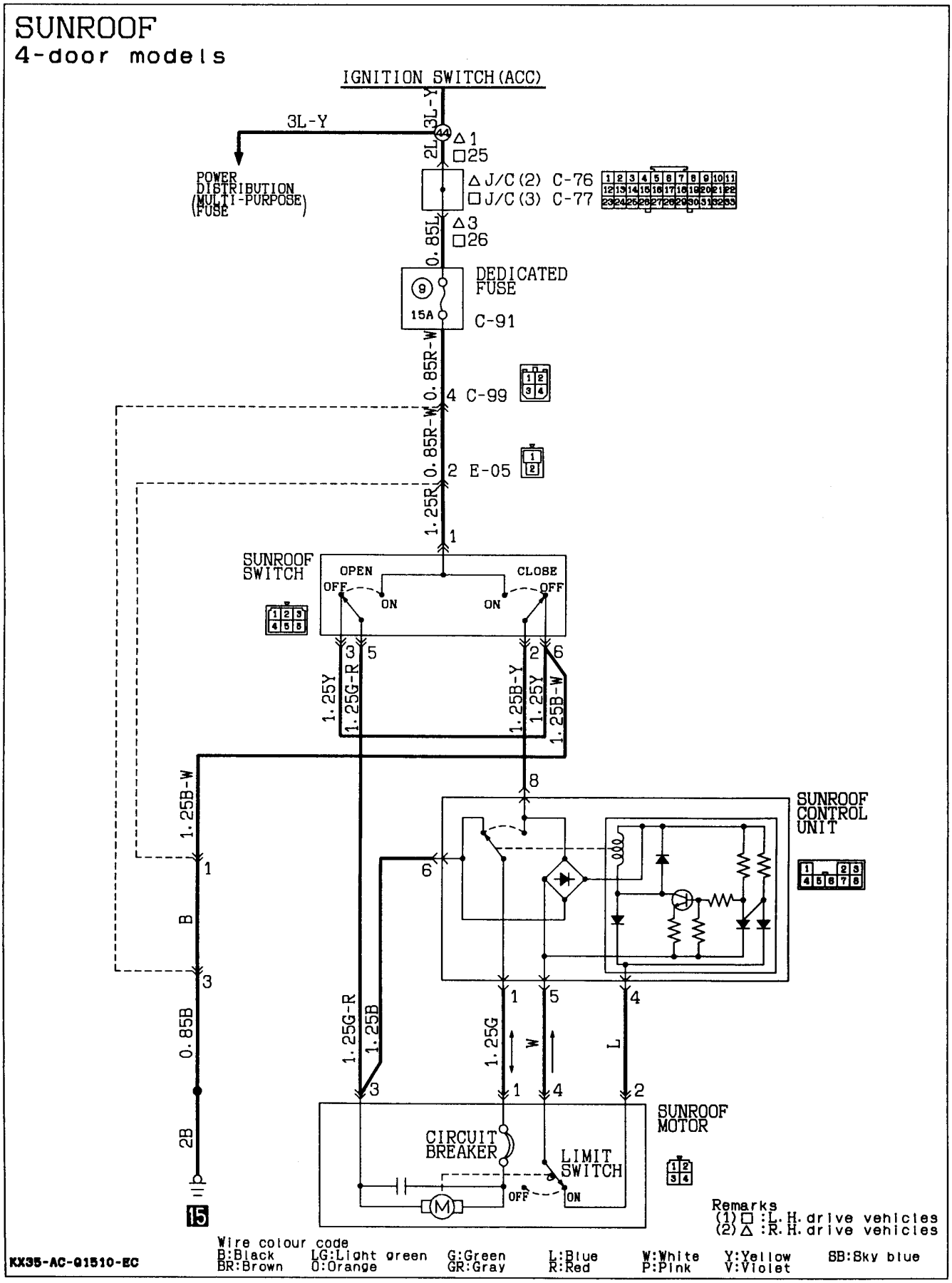
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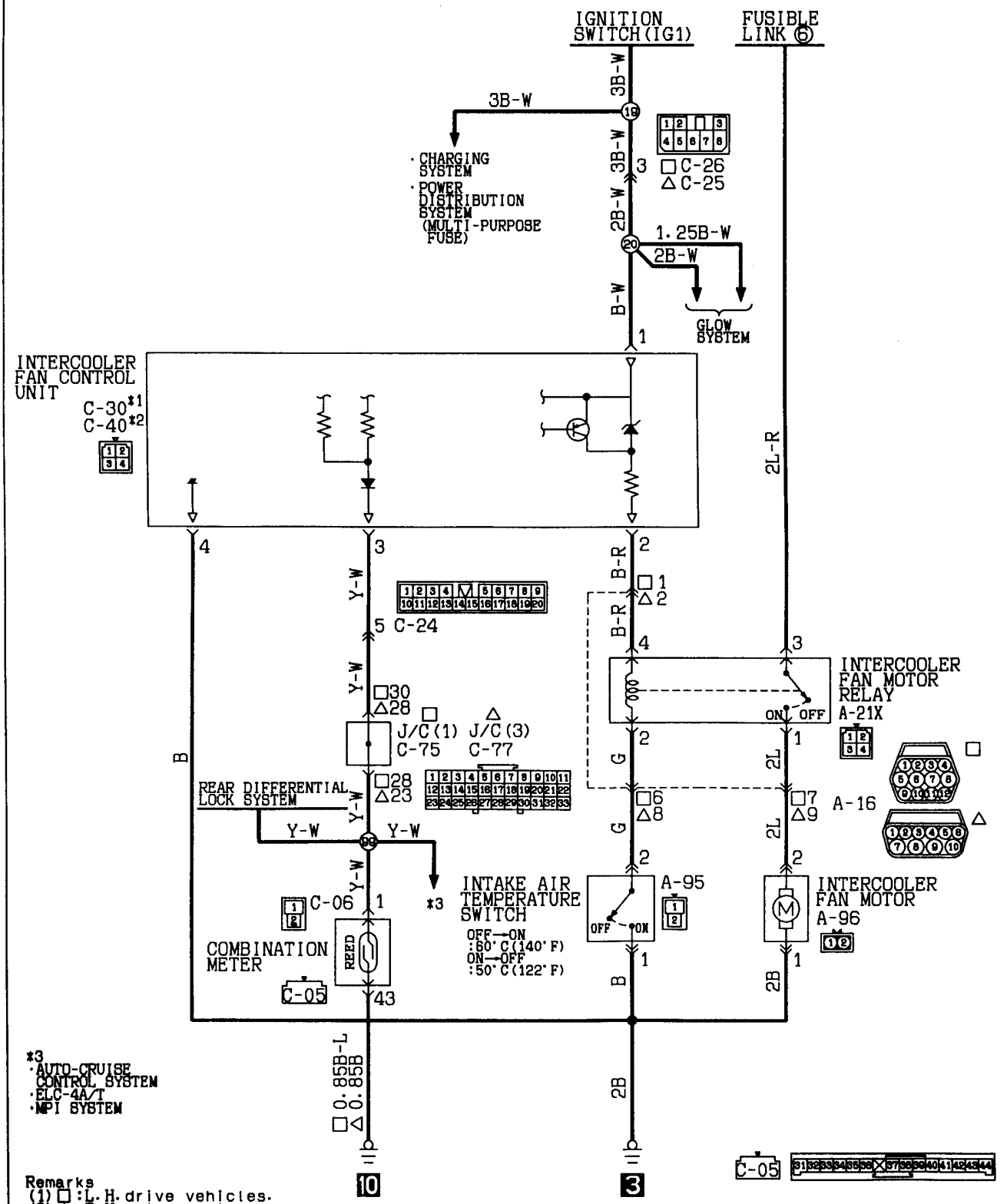
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INTERCOOLER FAN



Remarks
(1) □ : L.H. drive vehicles.
(2) △ : R.H. drive vehicles.
(3) *1: Vehicles without fuel line heater
(4) *2: Vehicles wiht fuel line heater

Wire colour code

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

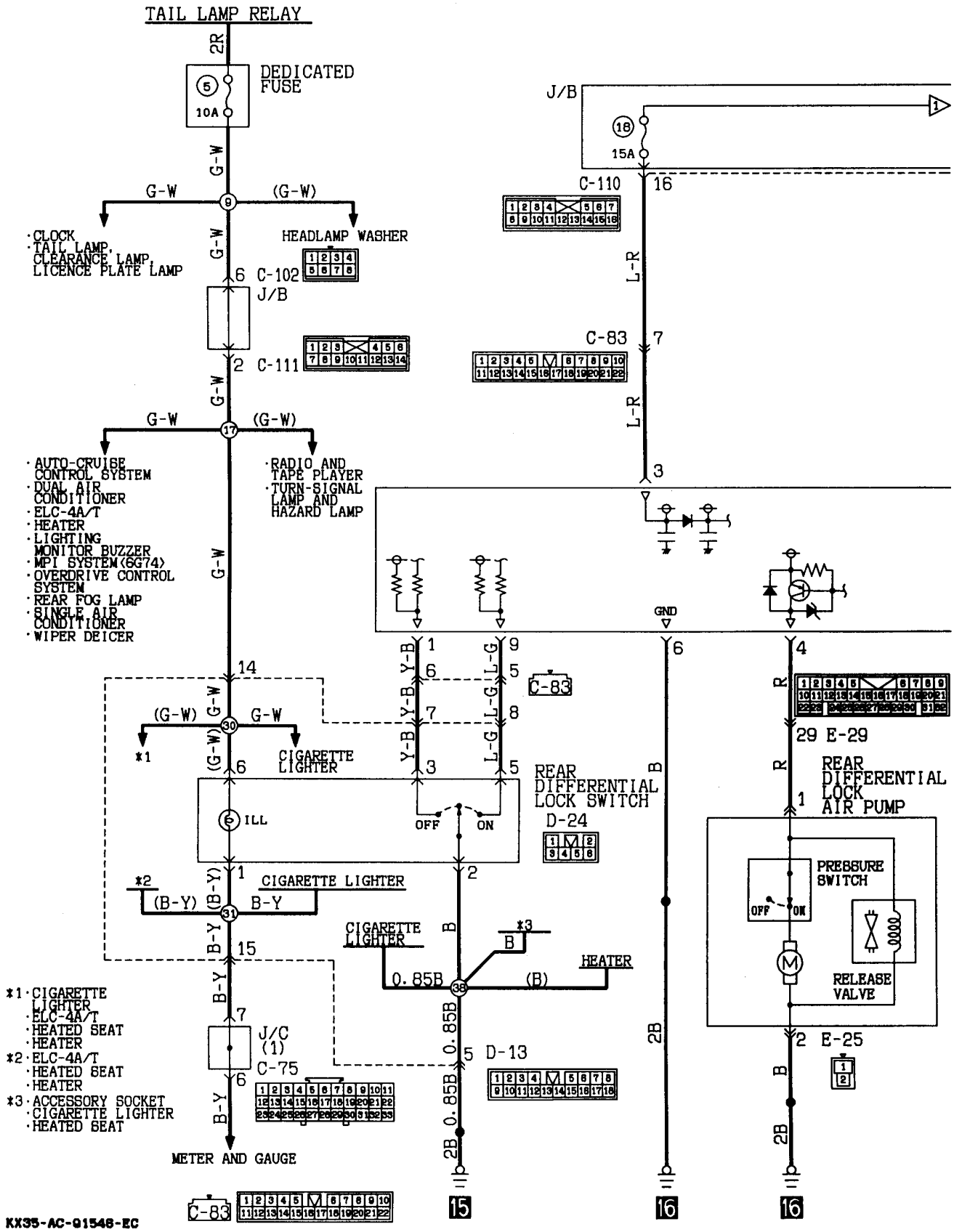
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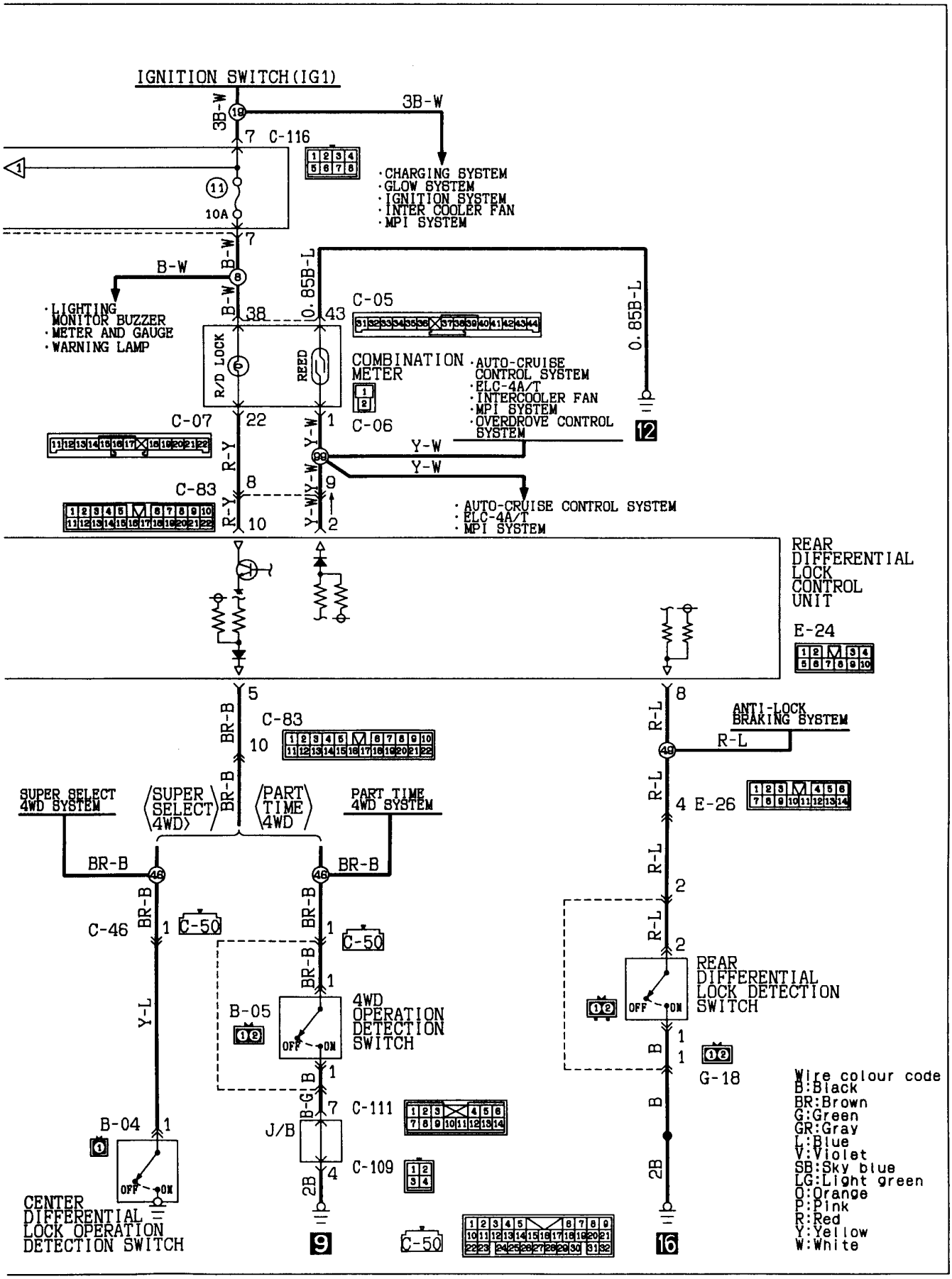
REAR DIFFERENTIAL LOCK SYSTEM

L.H. drive vehicles



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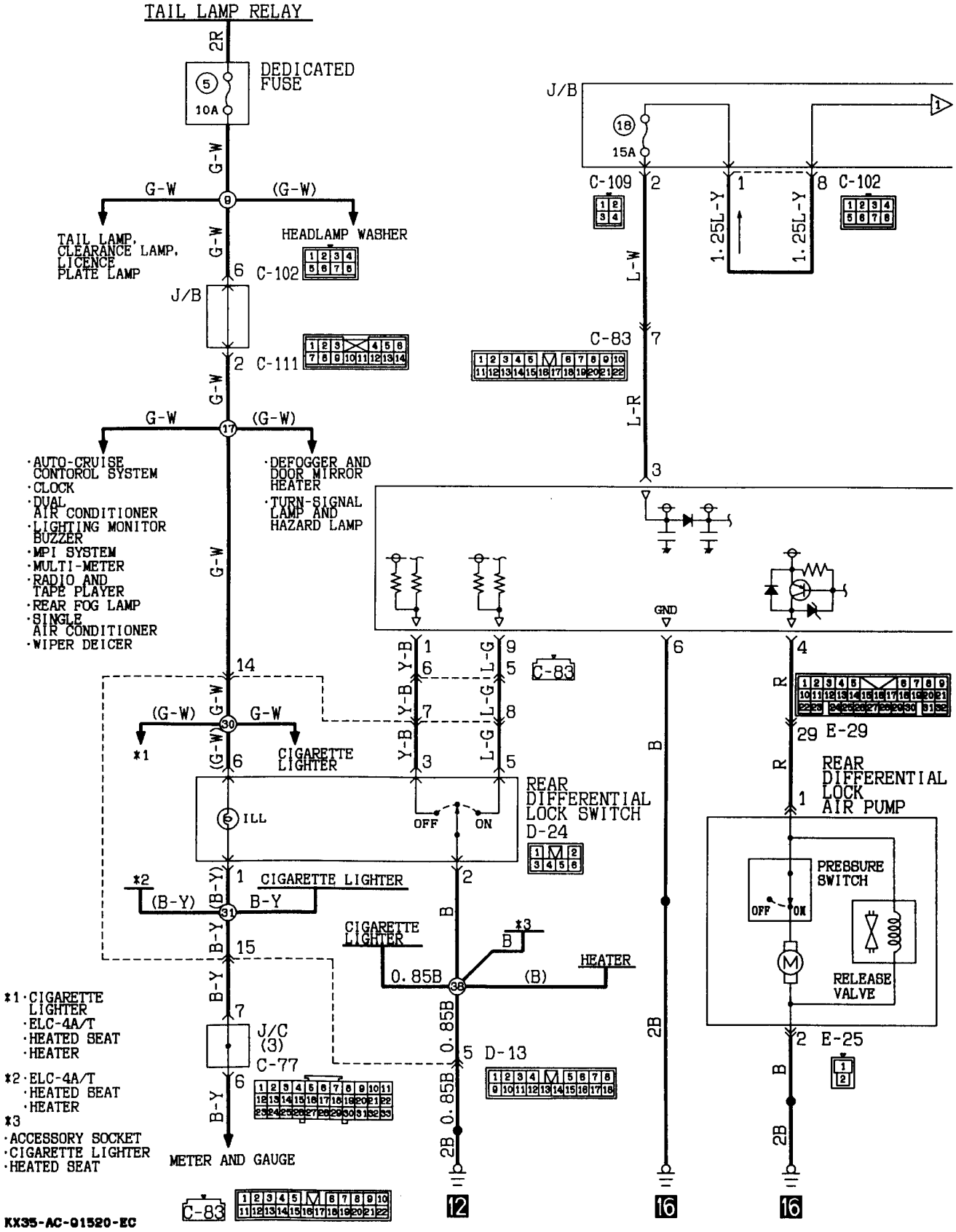
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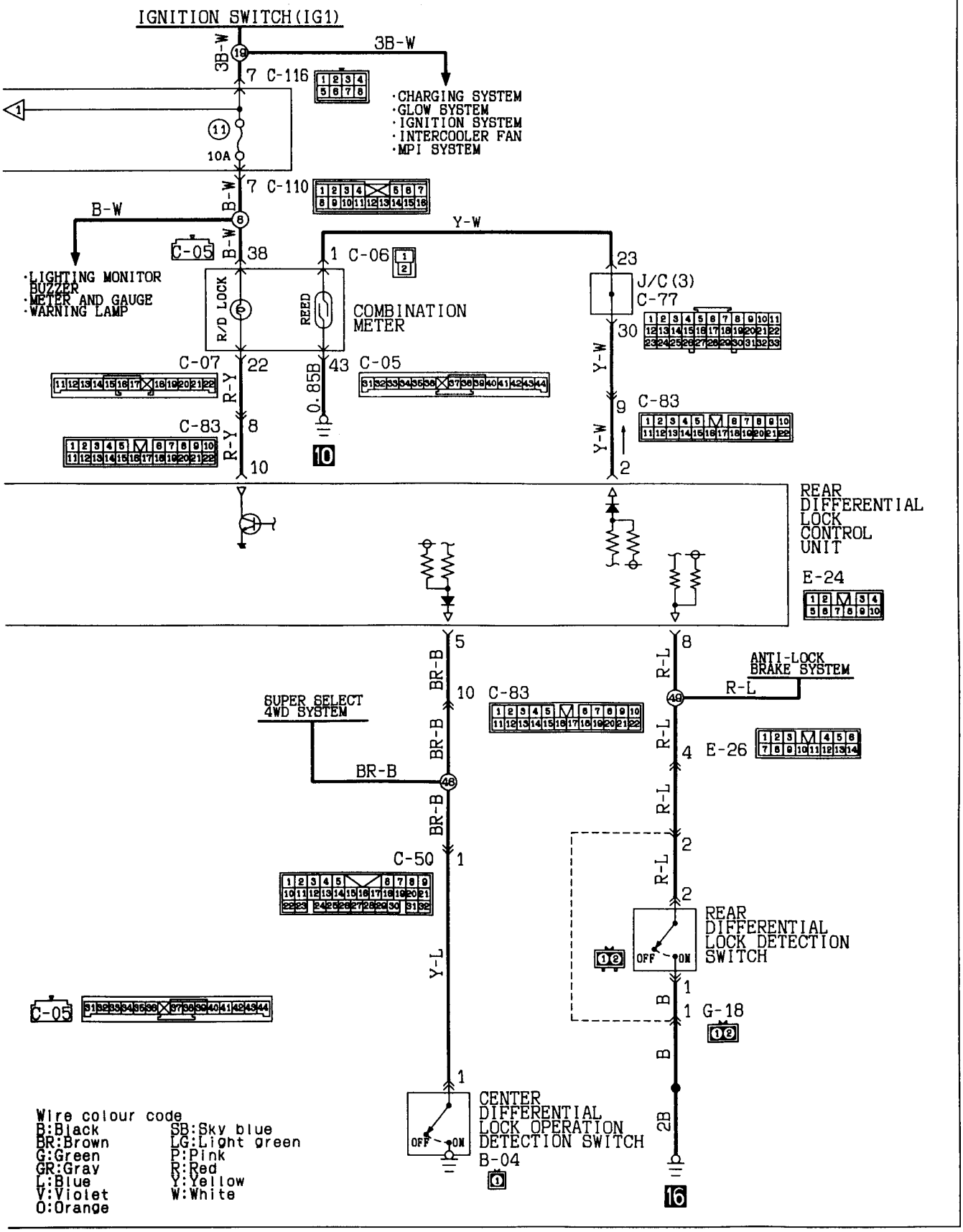
REAR DIFFERENTIAL LOCK SYSTEM

R.H. drive vehicles



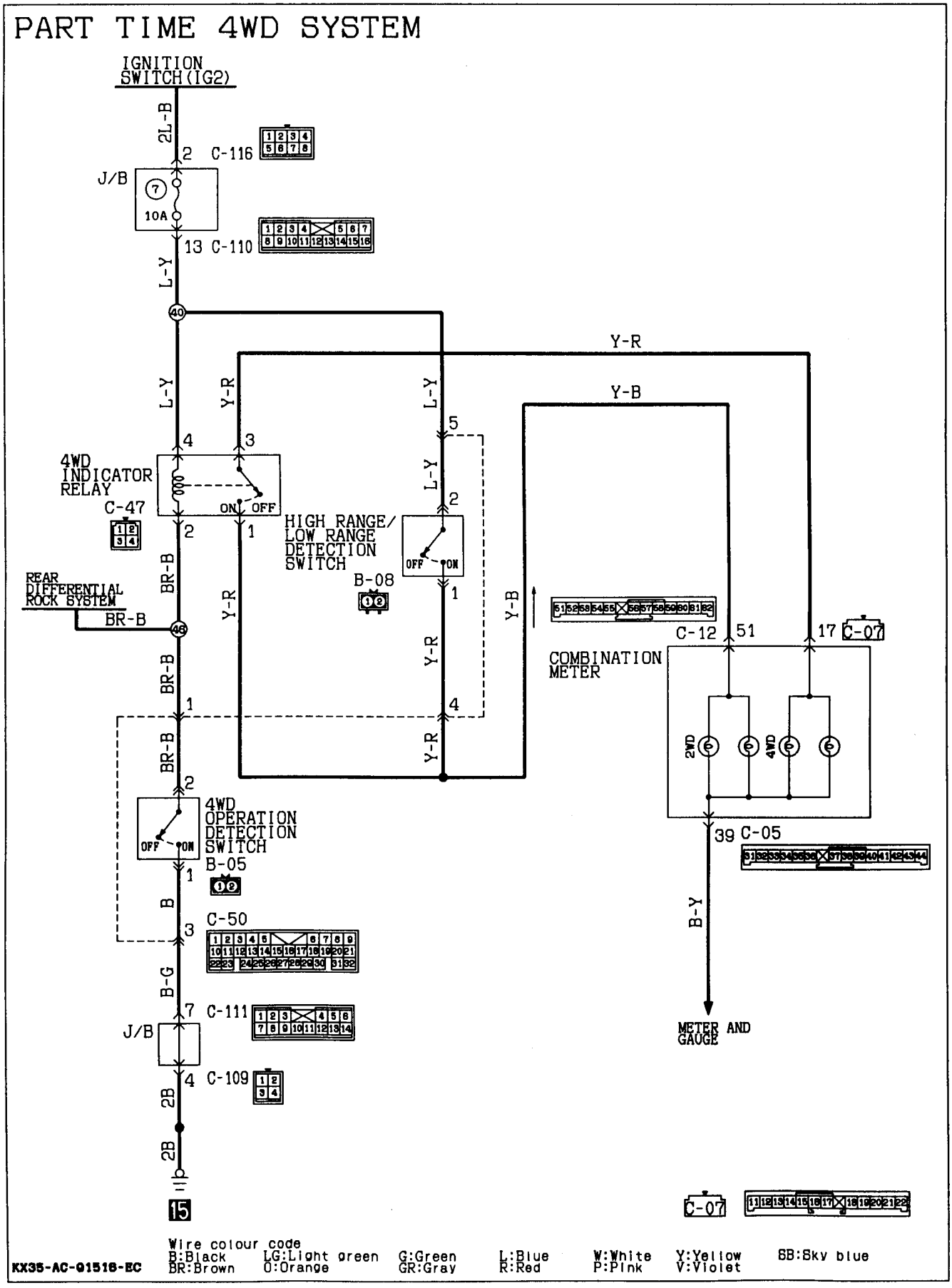
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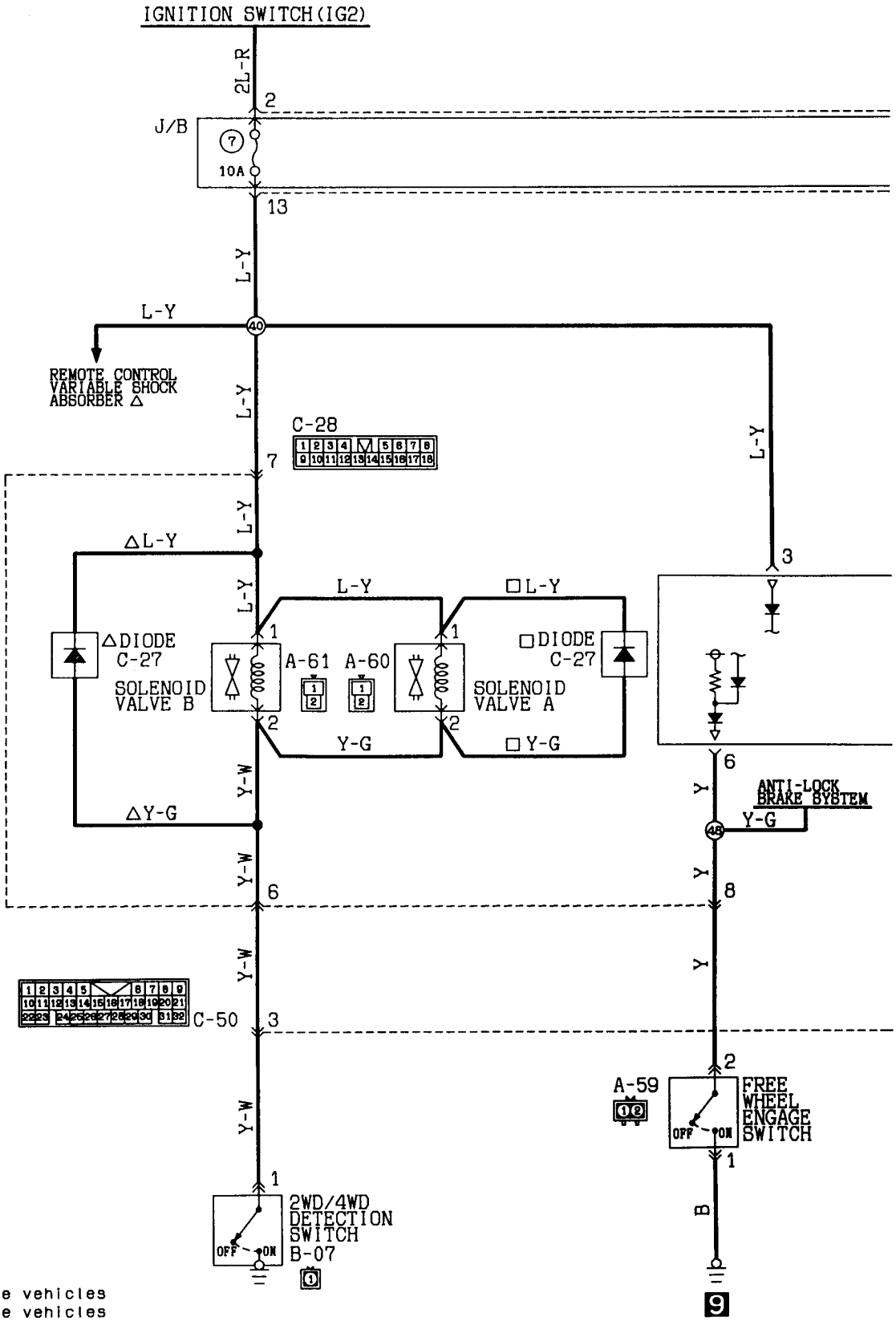
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NOTES

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SUPER SELECT 4WD SYSTEM



Remarks
(1) □ : L.H. drive vehicles
(2) △ : R.H. drive vehicles

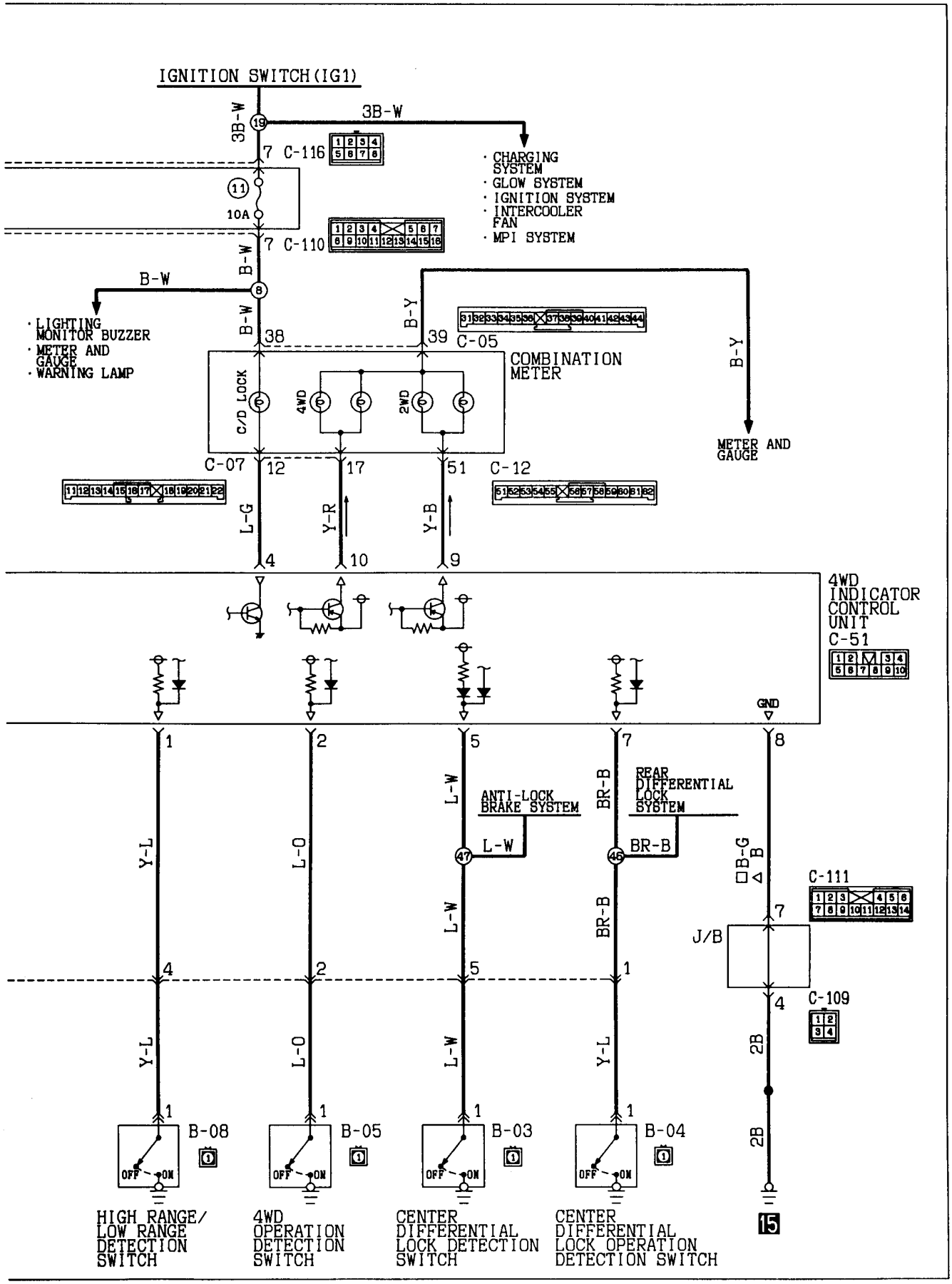
Wire colour code

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

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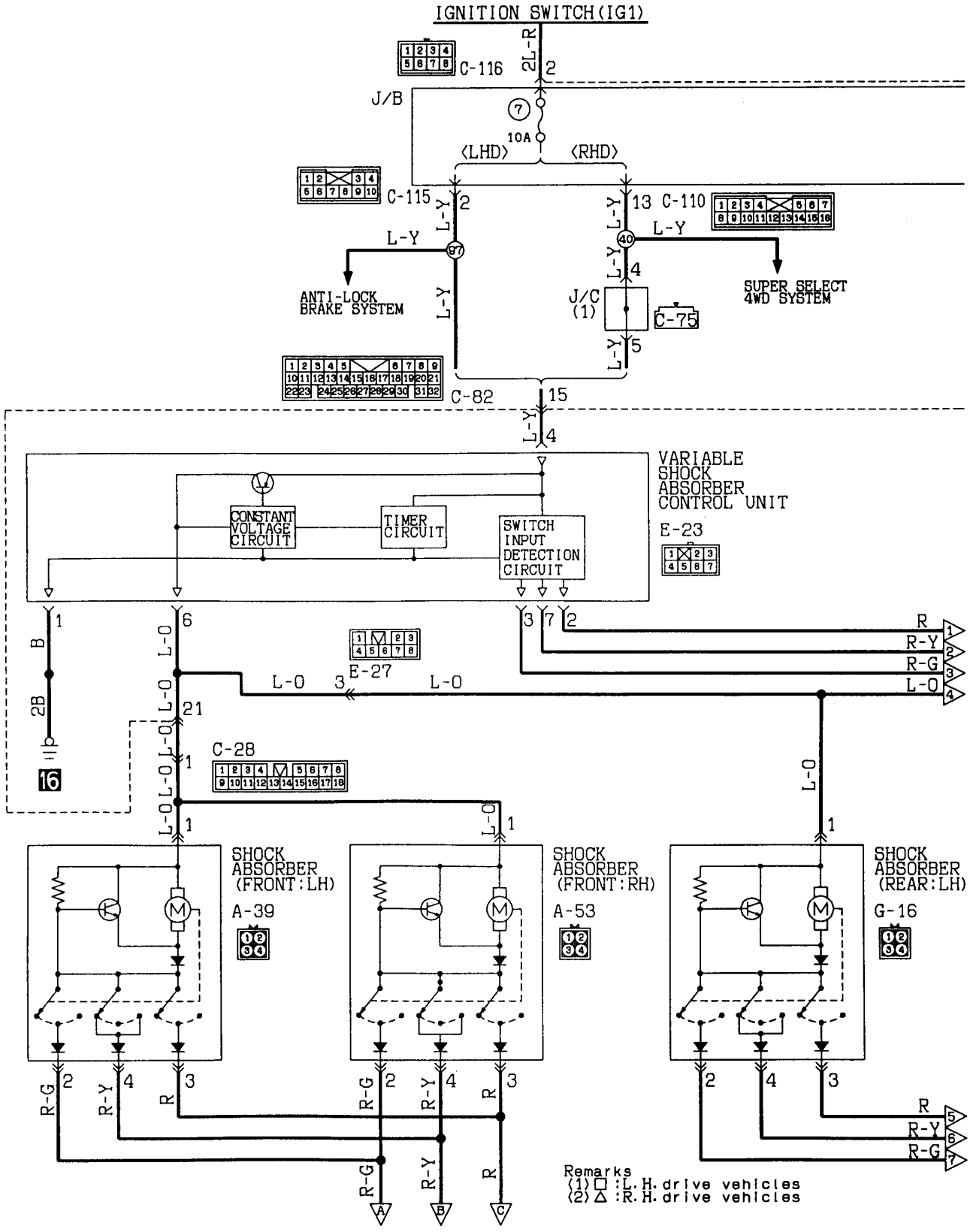
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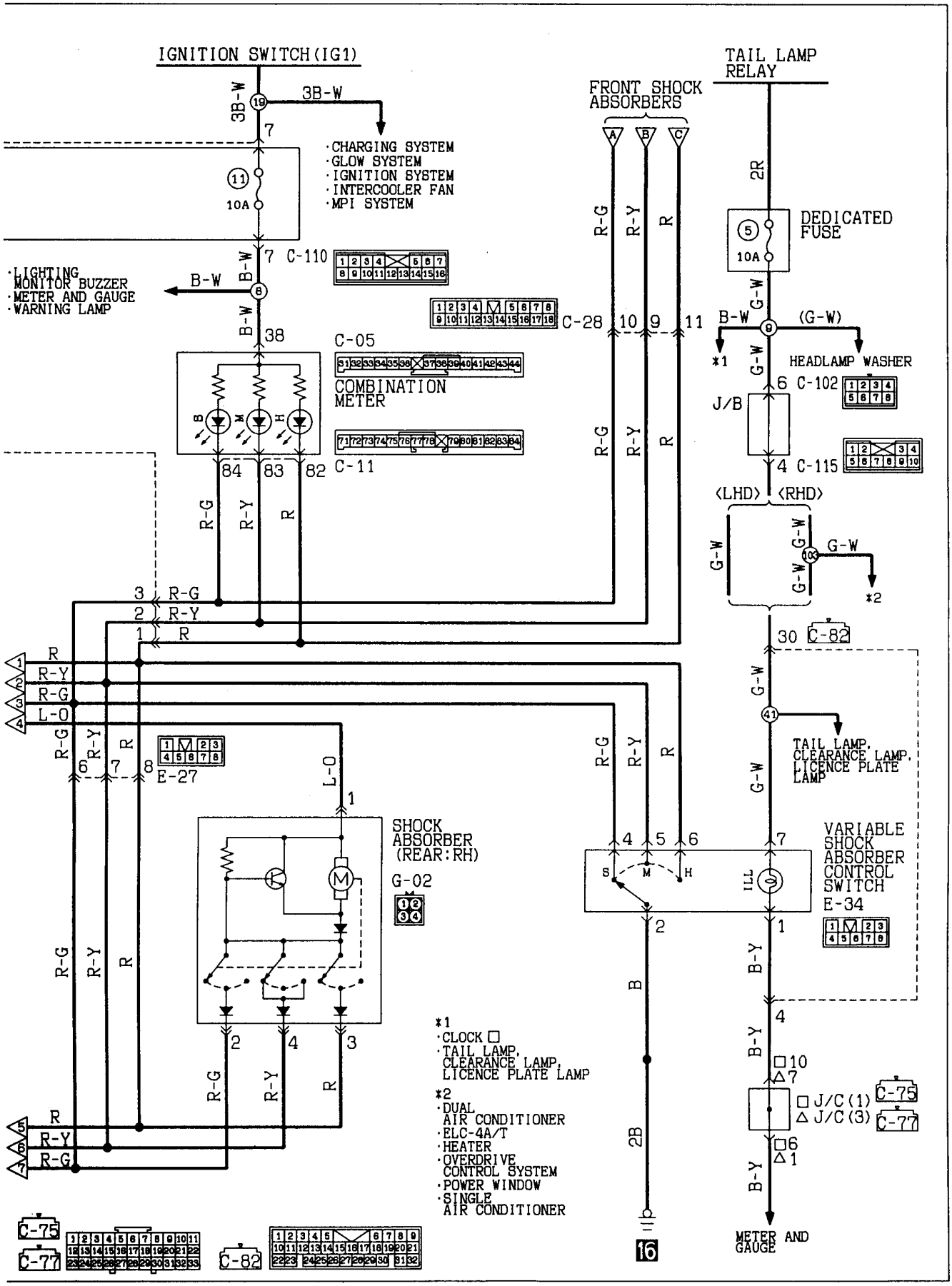
REMOTE CONTROLLED VARIABLE SHOCK ABSORBERS SYSTEM



KX35-AC-01549-EC

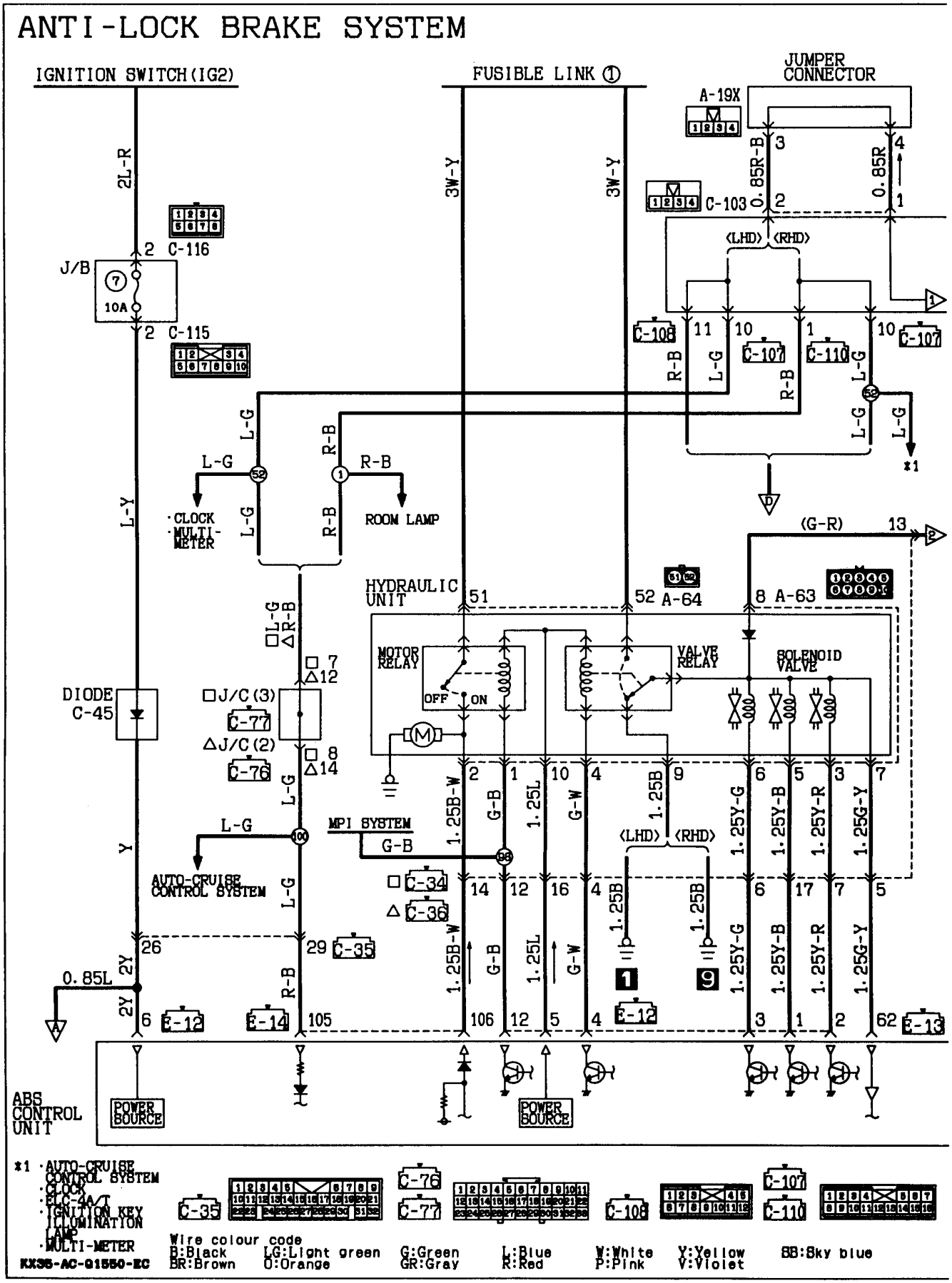
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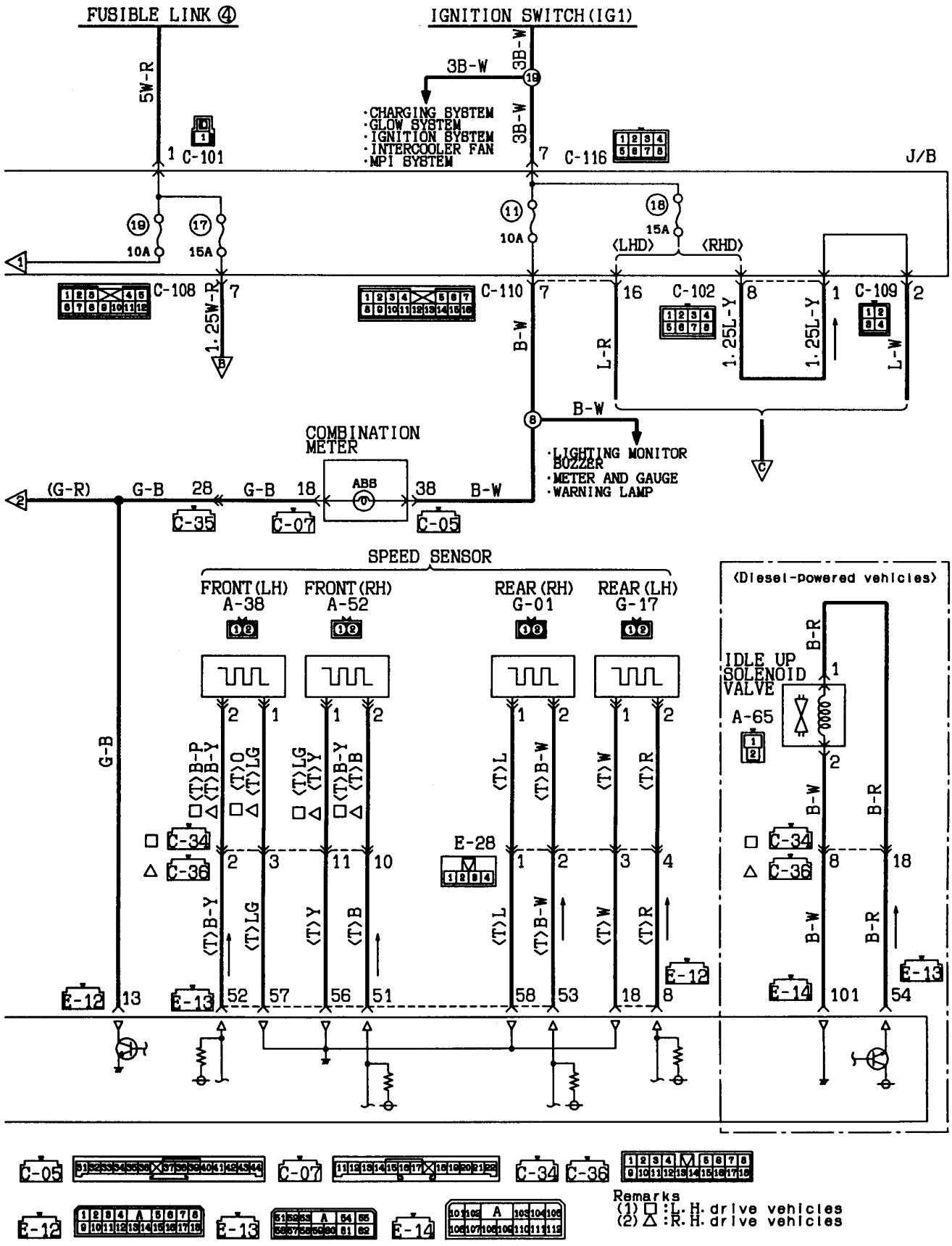
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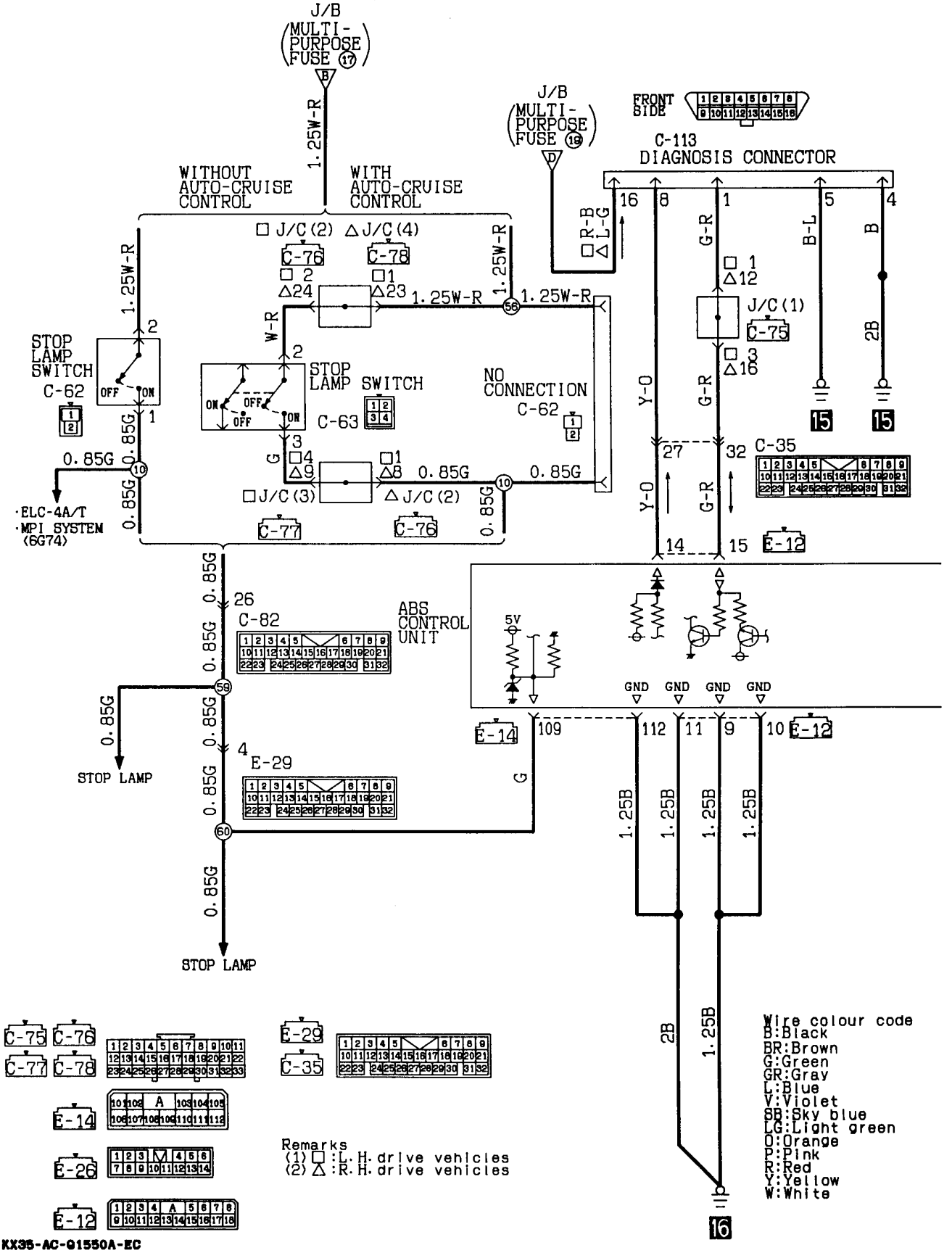
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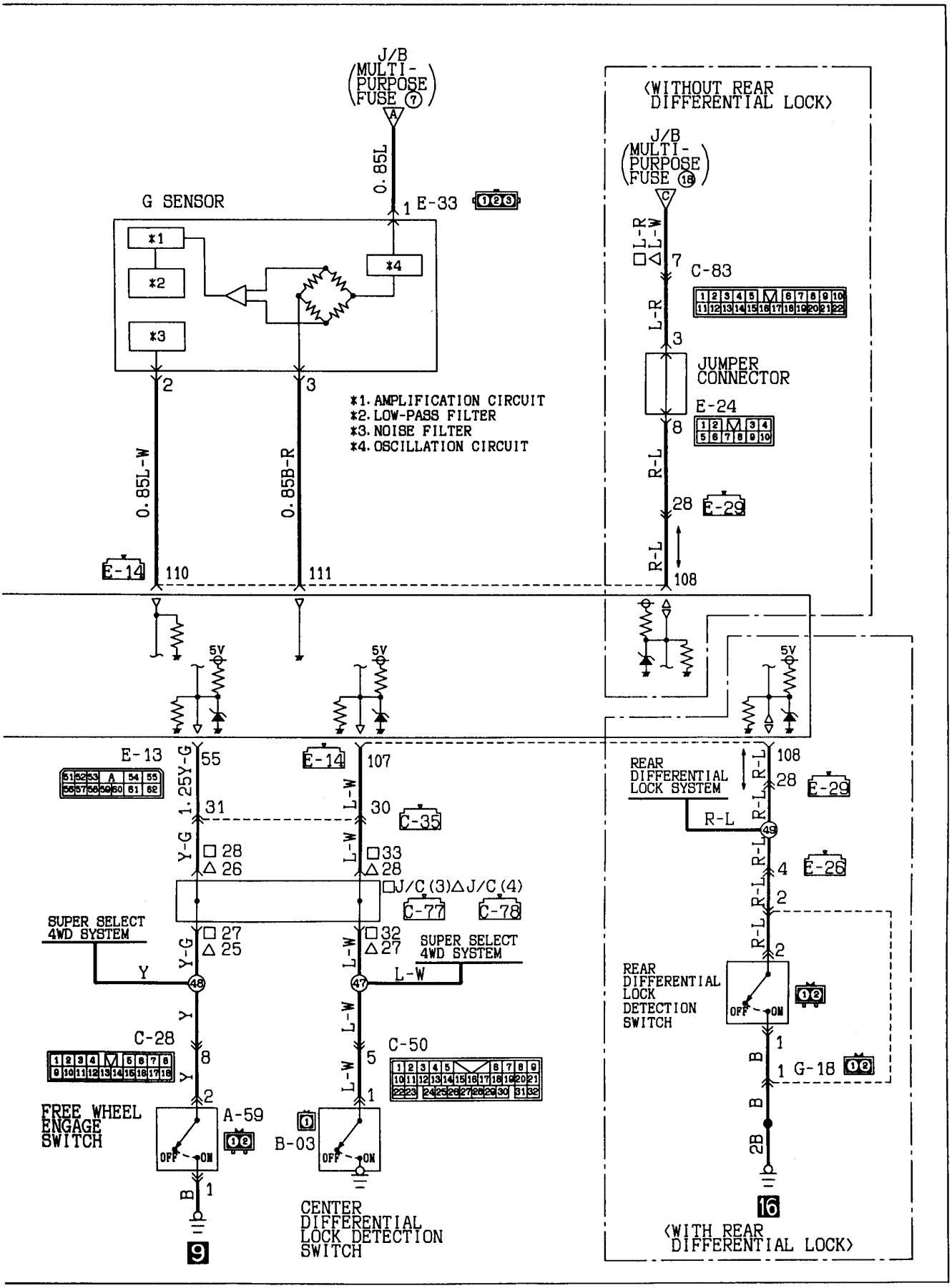
ANTI-LOCK BRAKE SYSTEM (CONTINUED)



KX35-AC-01550A-EC

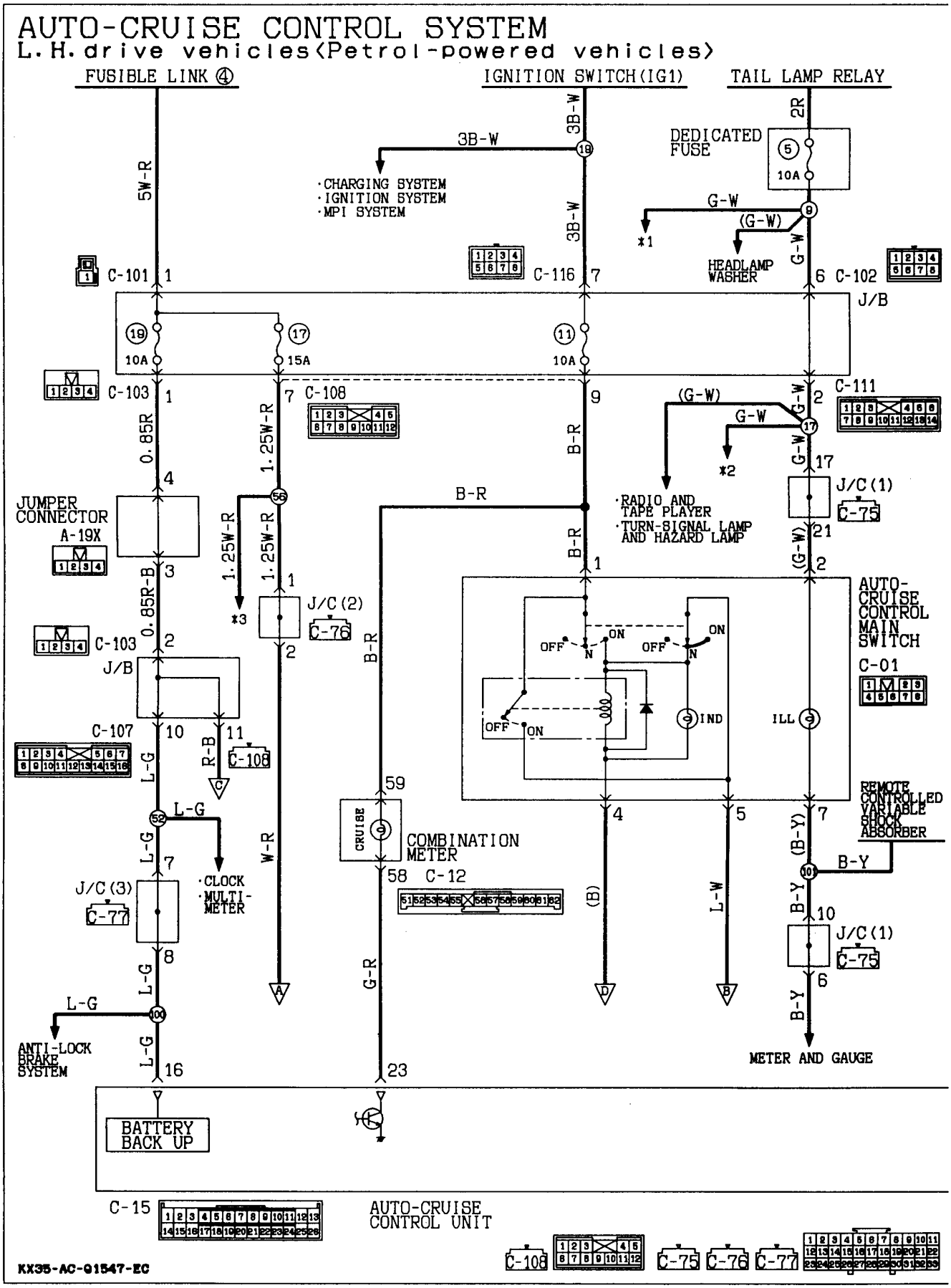
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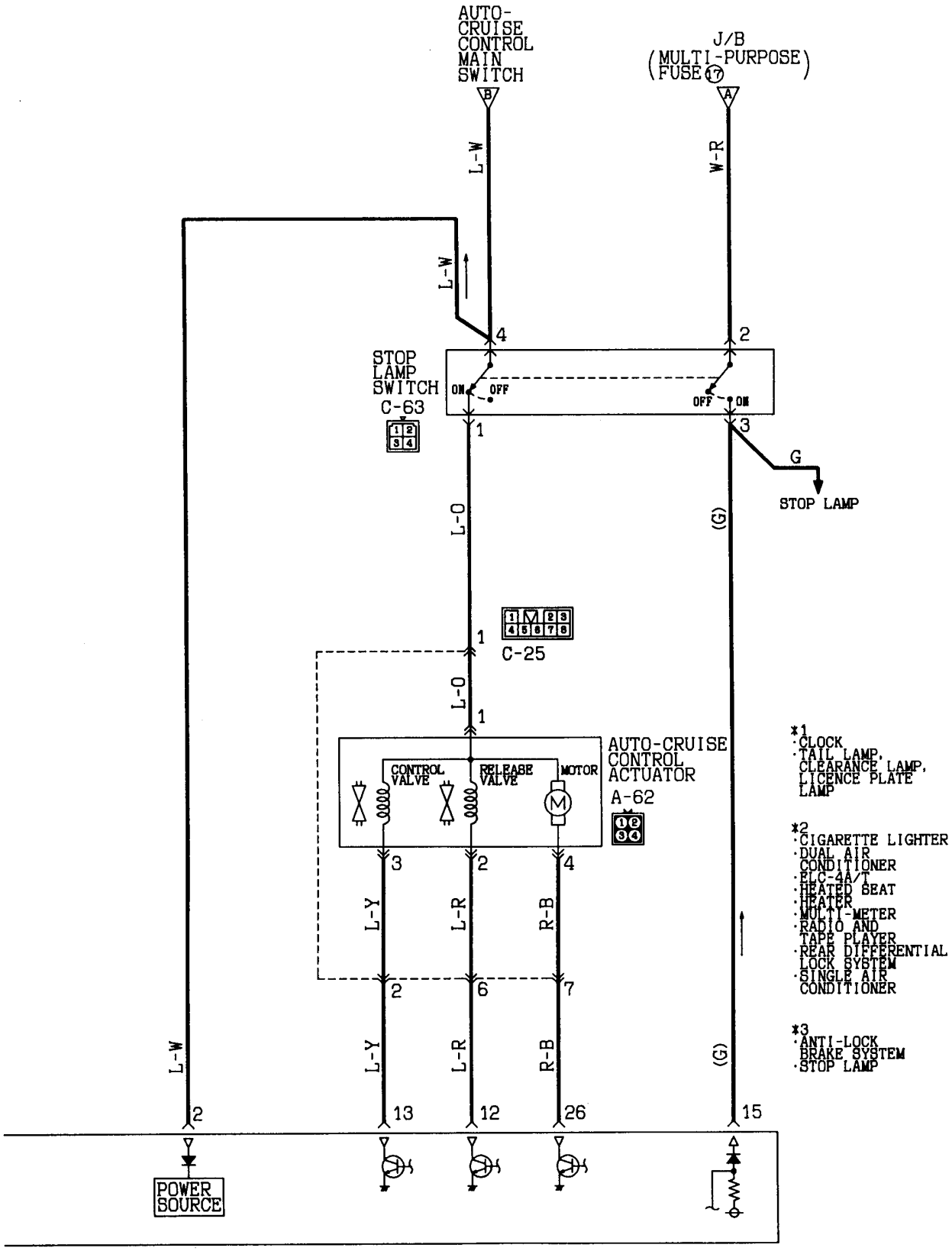
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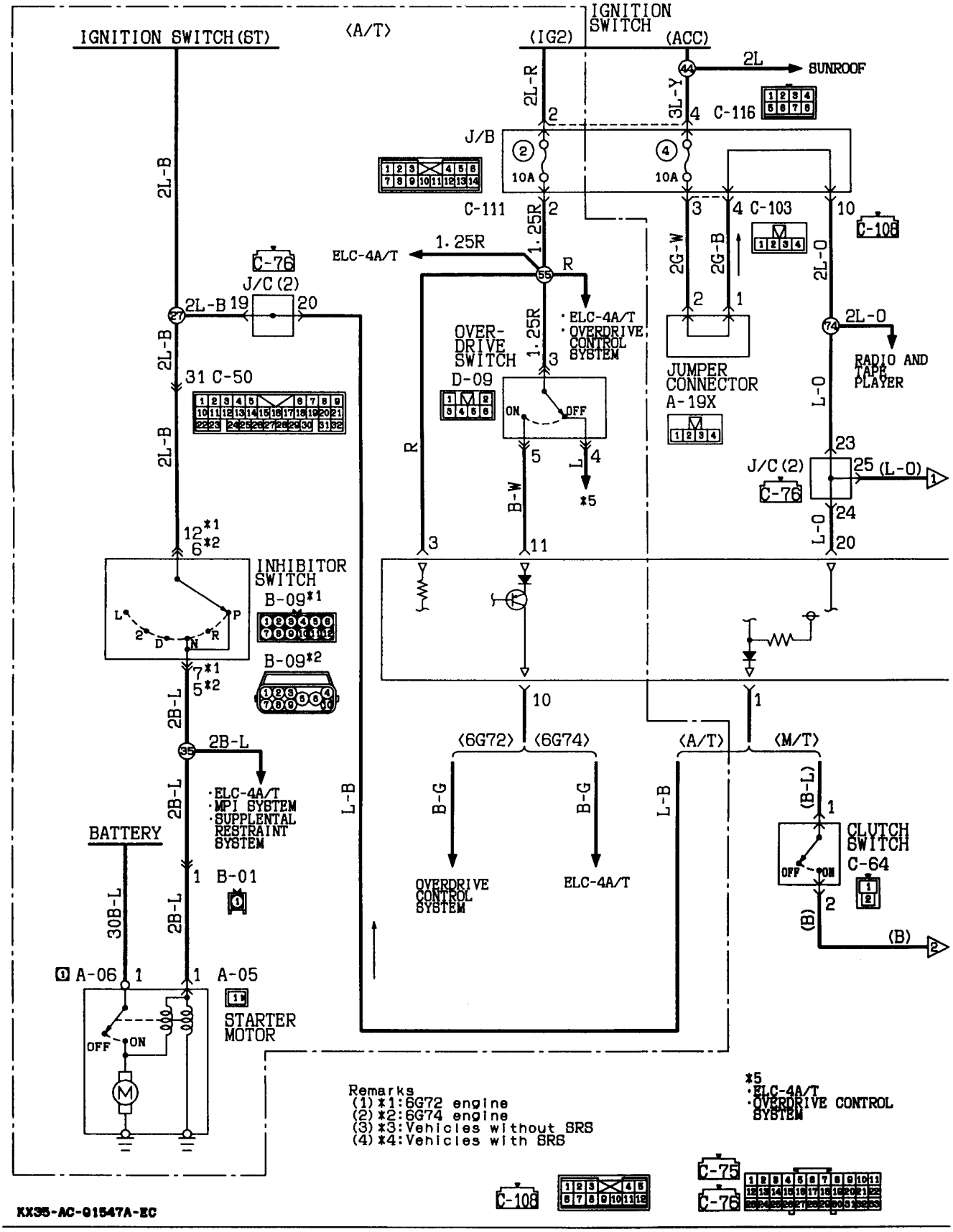


Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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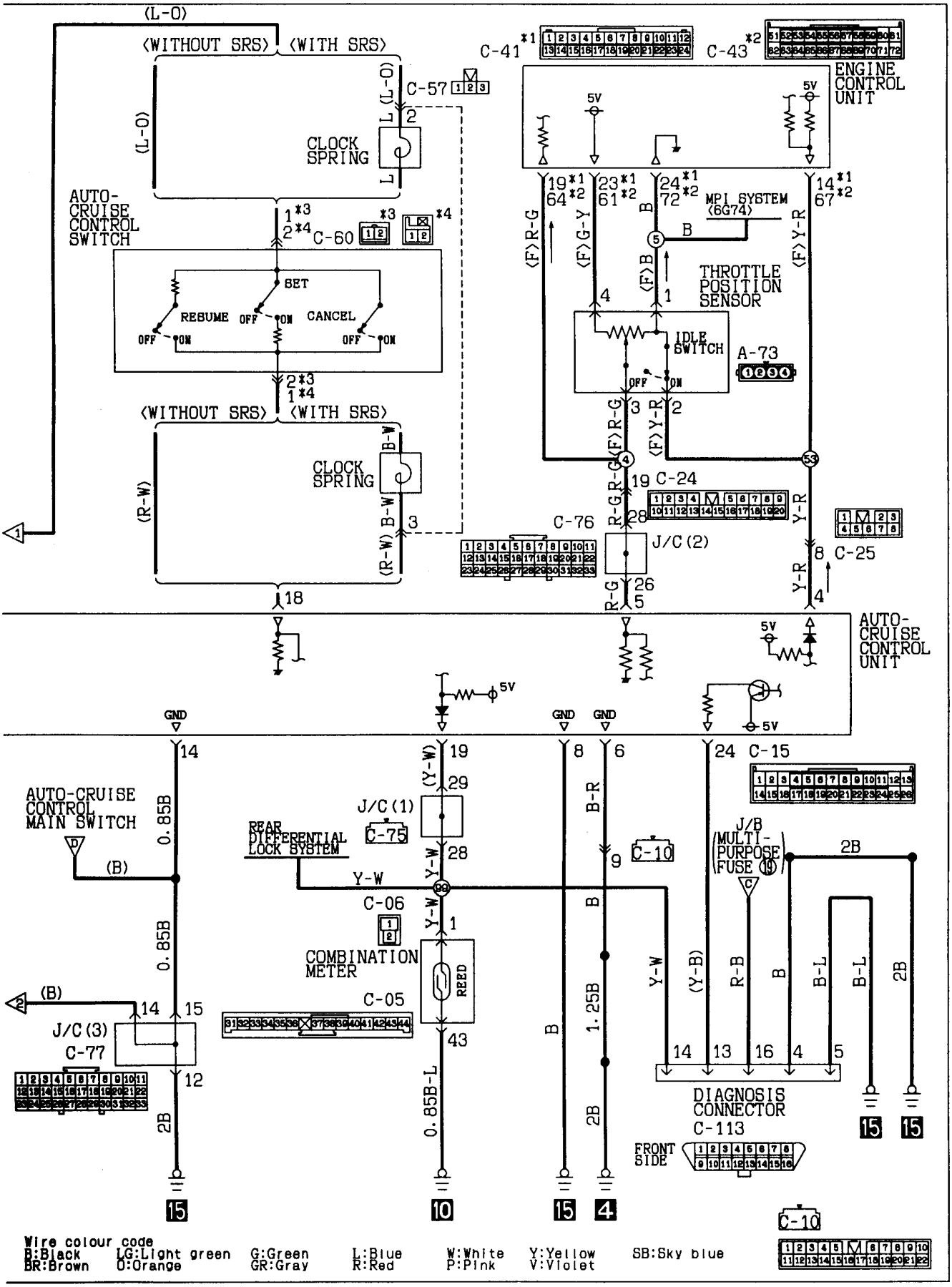
AUTO-CRUISE CONTROL SYSTEM
(L.H. drive vehicles (Petrol-powered vehicles)) (CONTINUED)



KX35-AC-01547A-EC

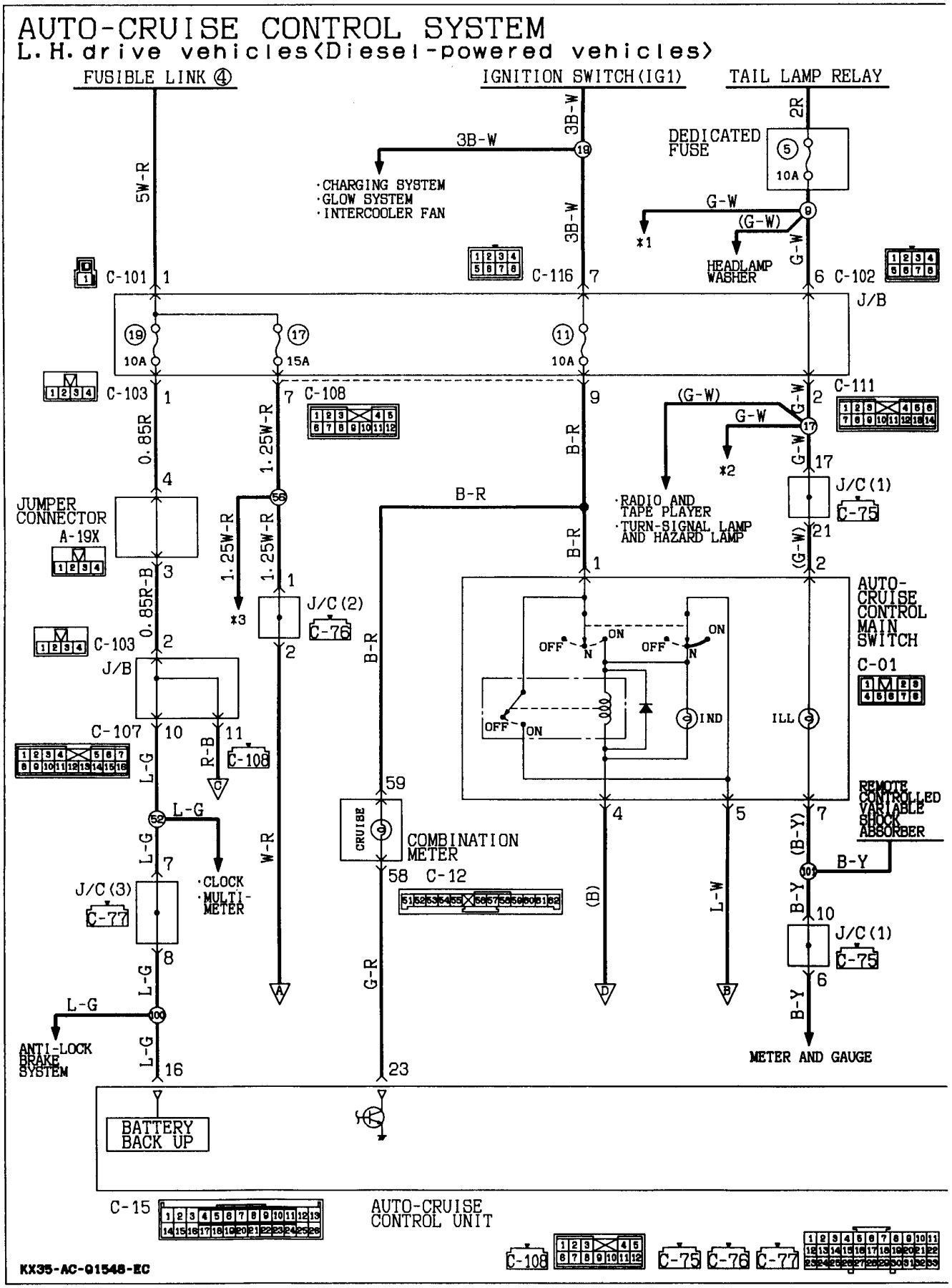
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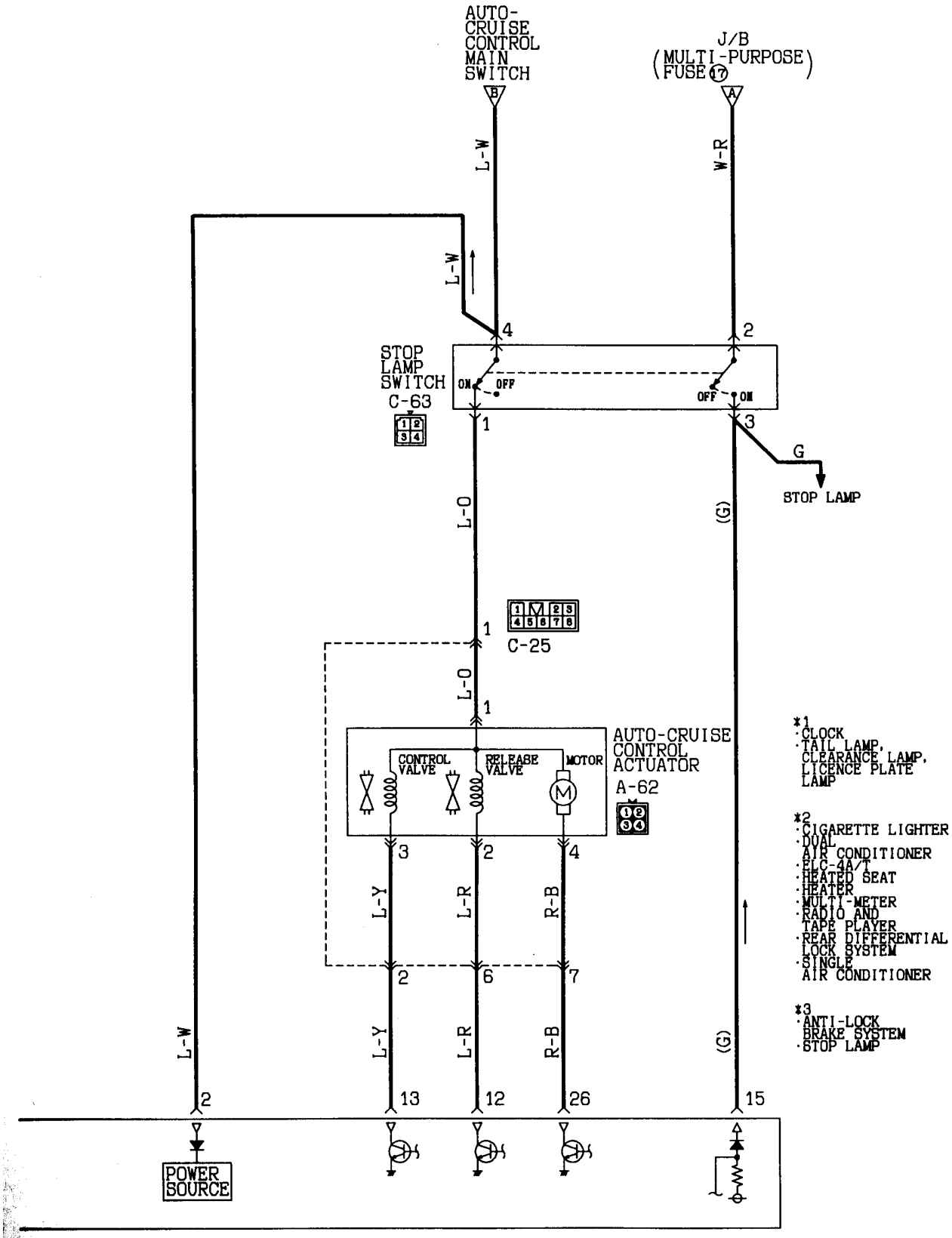
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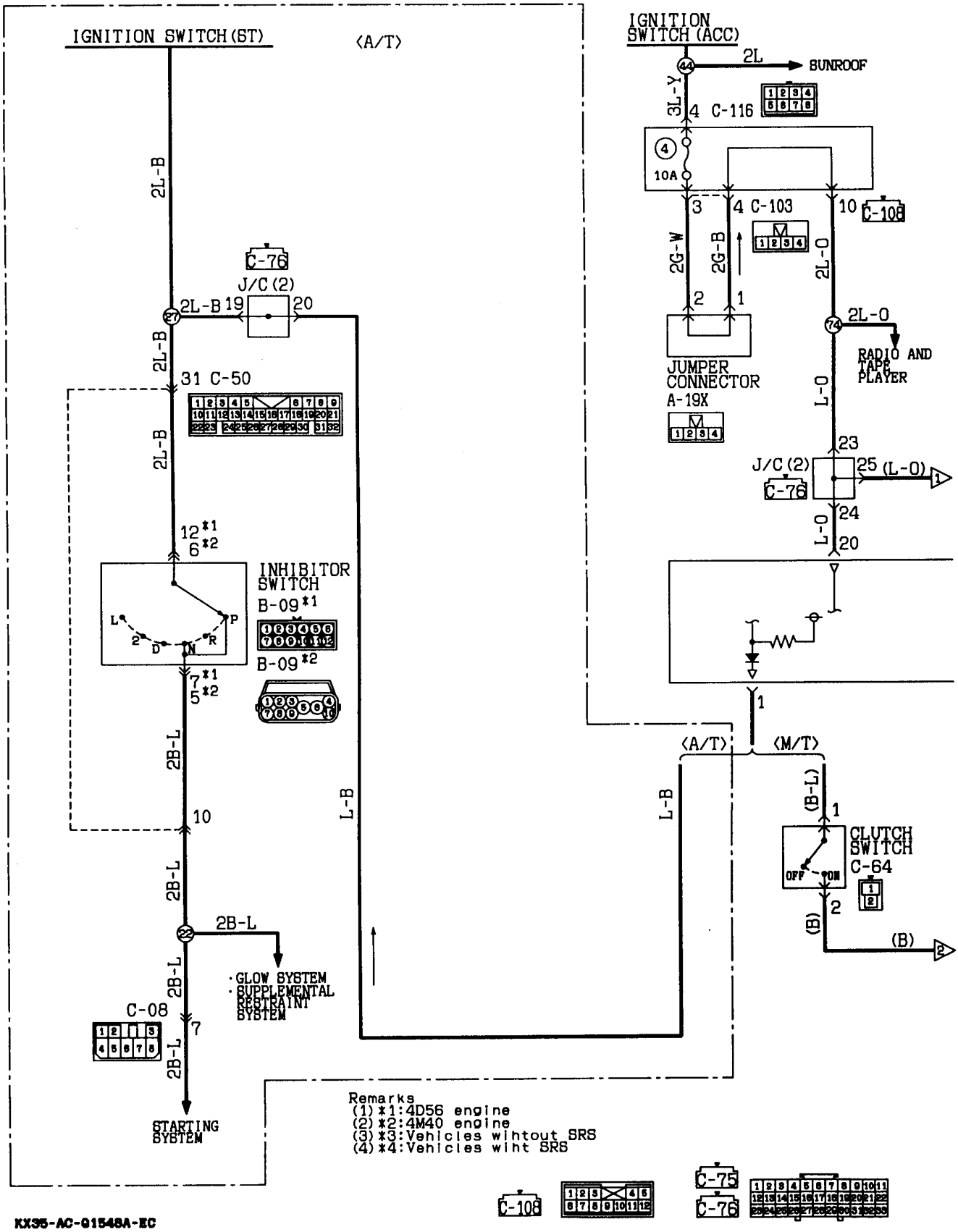
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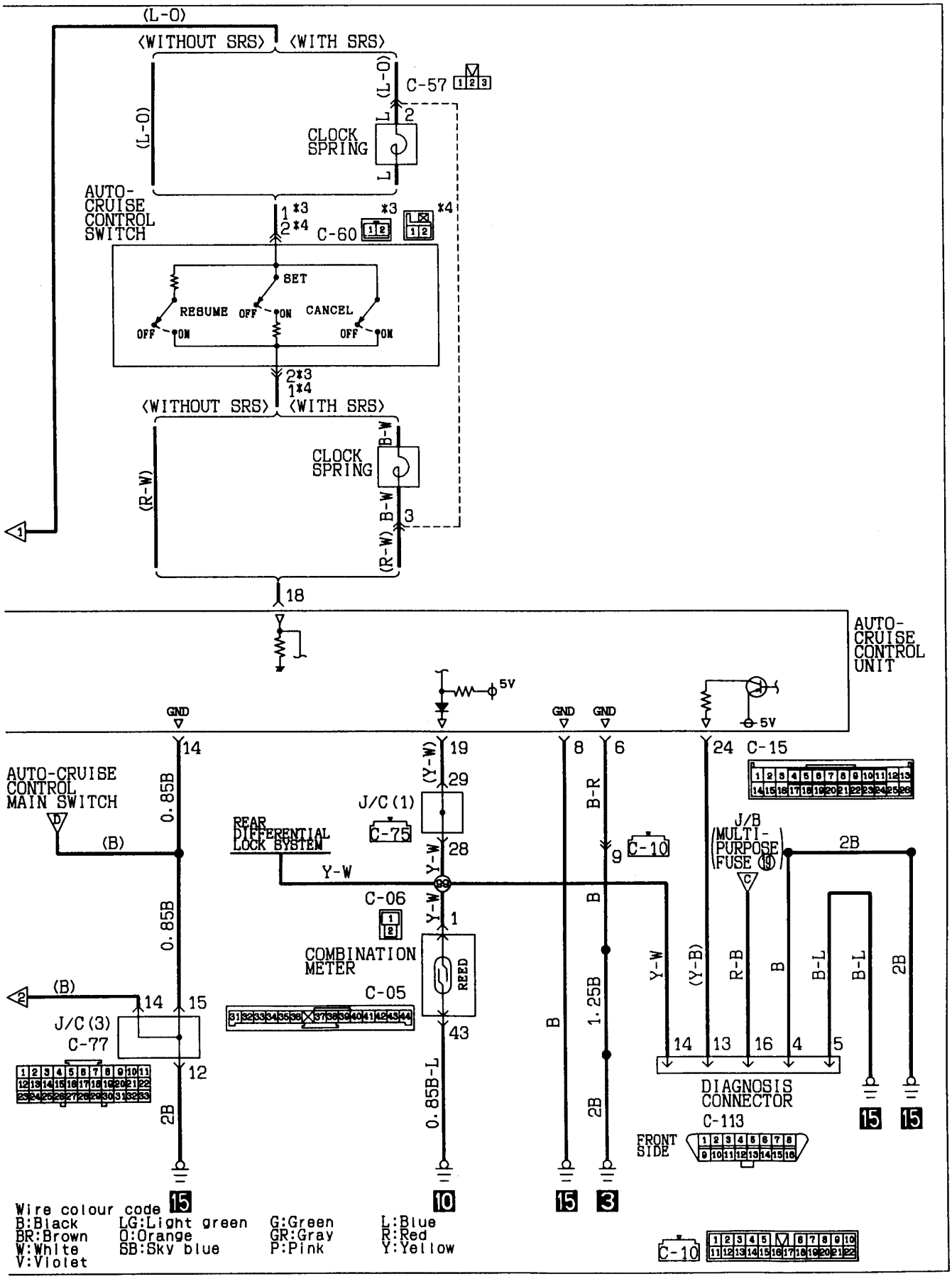
AUTO-CRUISE CONTROL SYSTEM
<L.H.drive vehicles(Diesel-powered vehicles)> (CONTINUED)



KX35-AC-01548A-EC

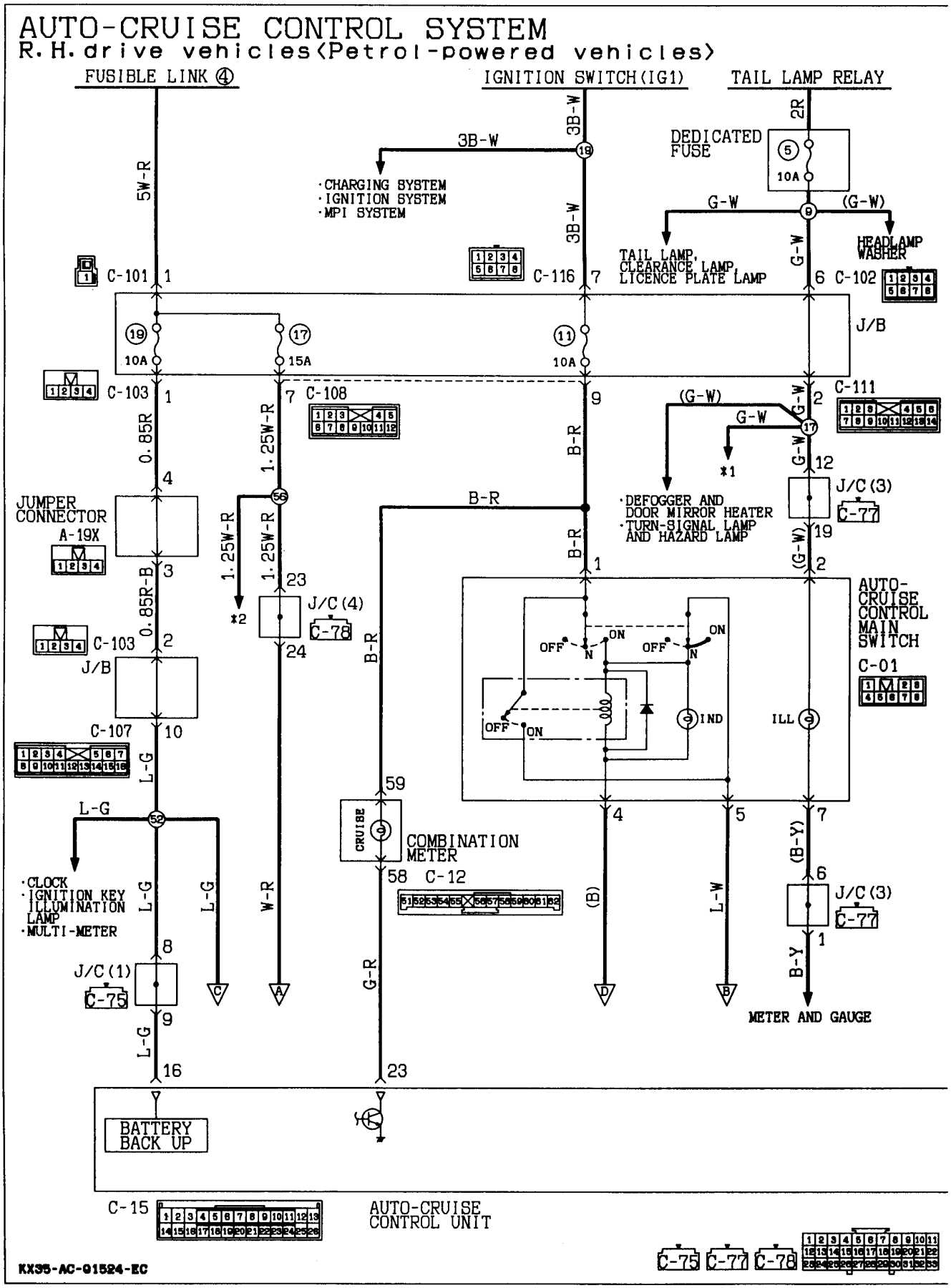
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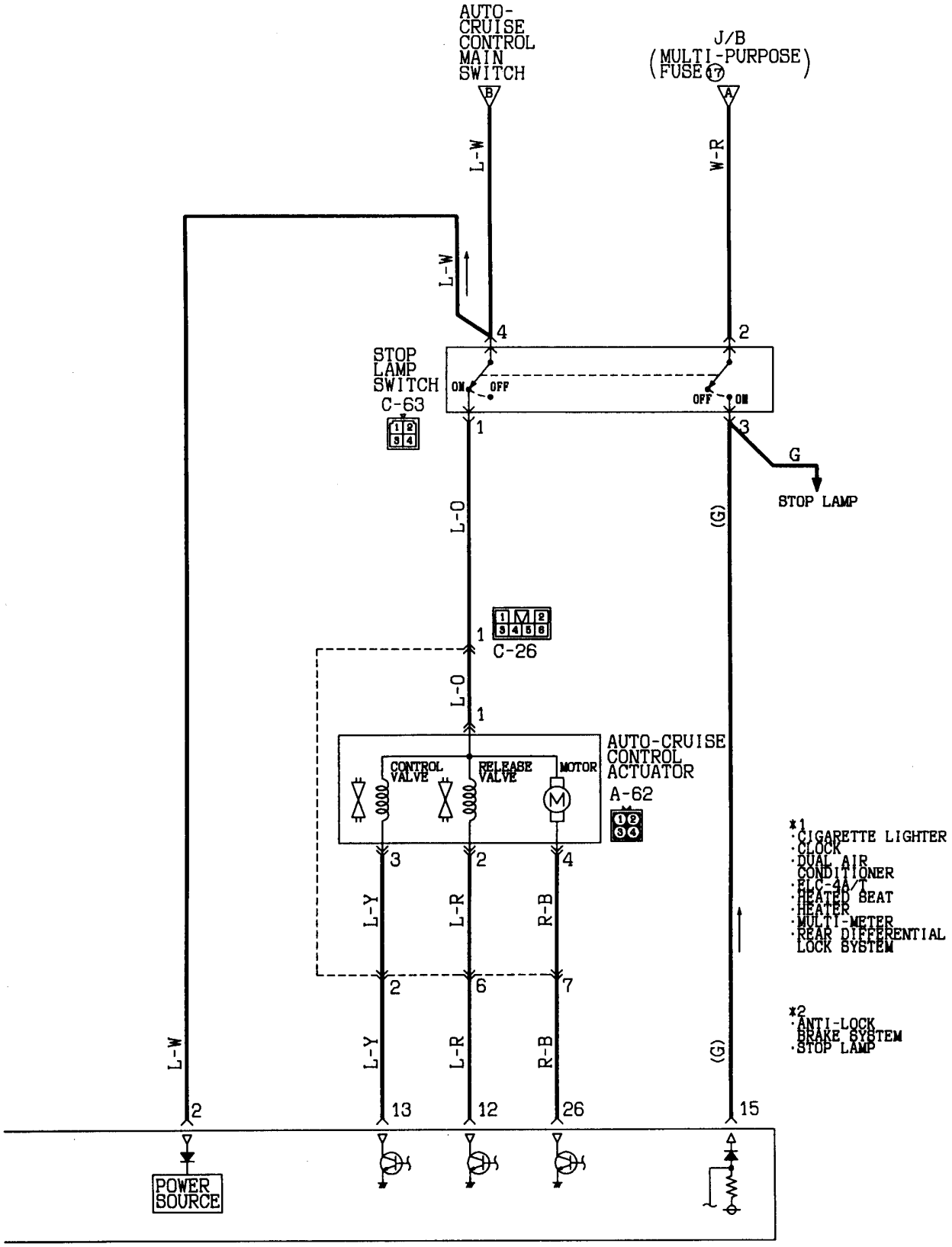
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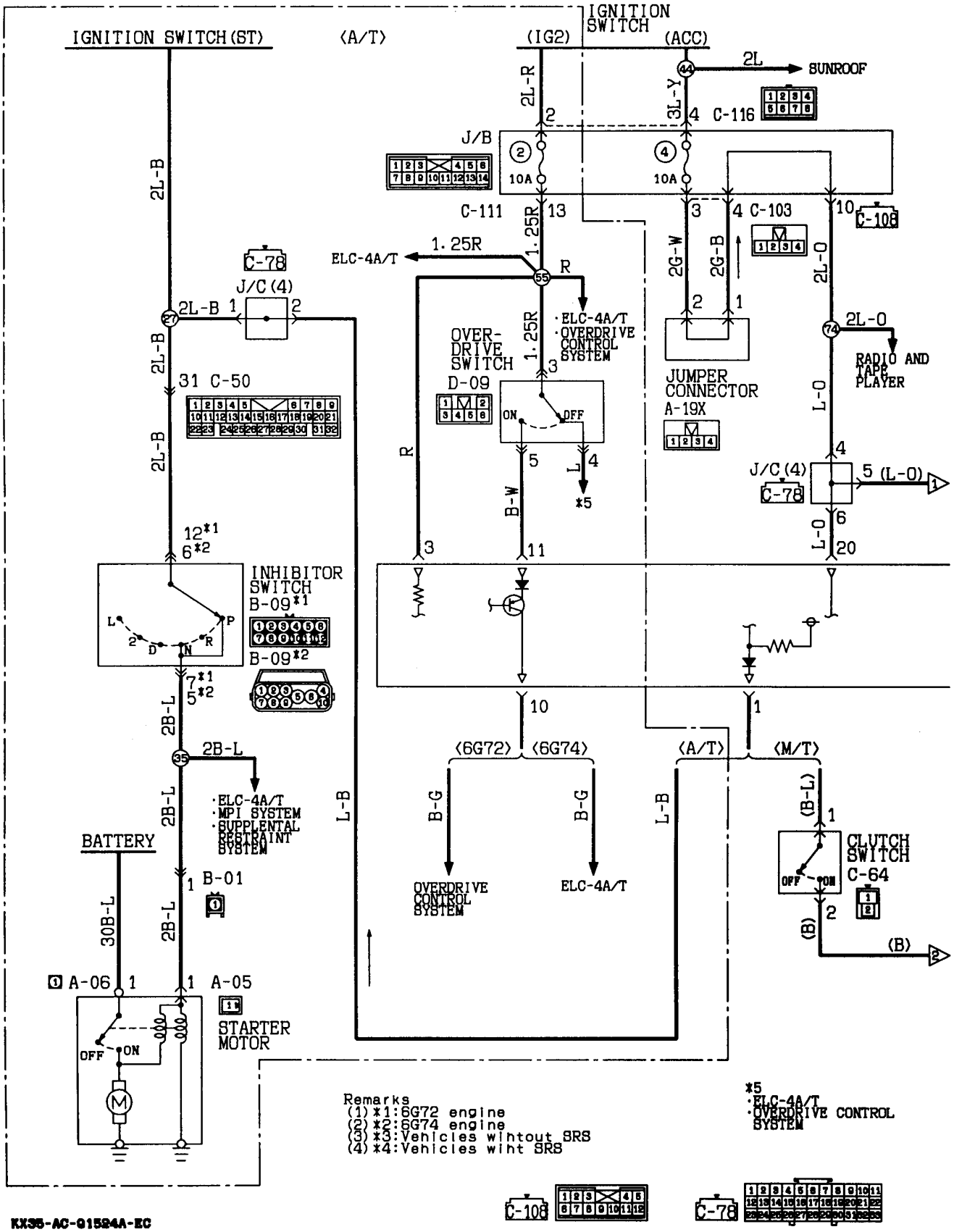
Wire colour code

B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
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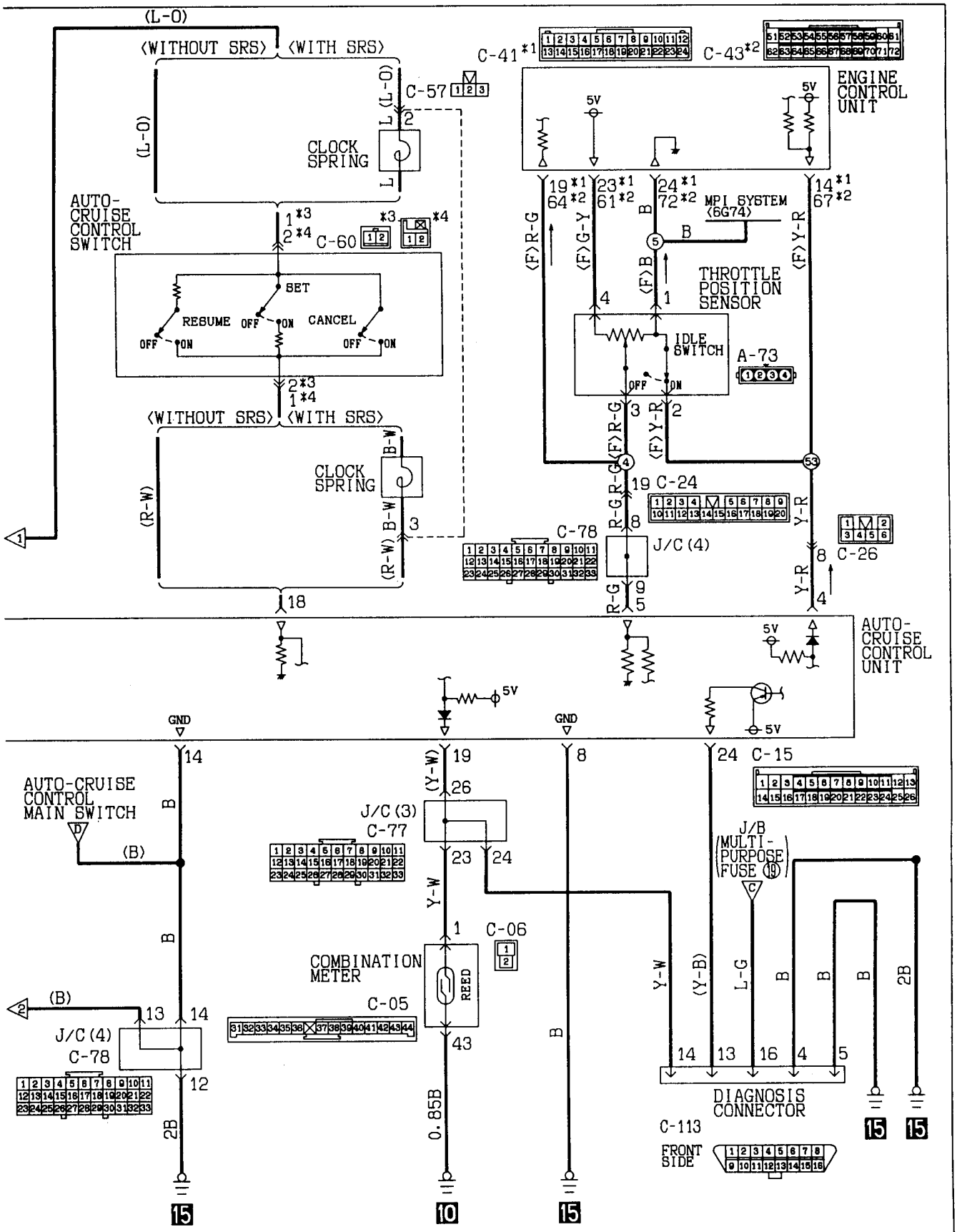
AUTO-CRUISE CONTROL SYSTEM
(R.H. drive vehicles (Petrol-powered vehicles)) (CONTINUED)



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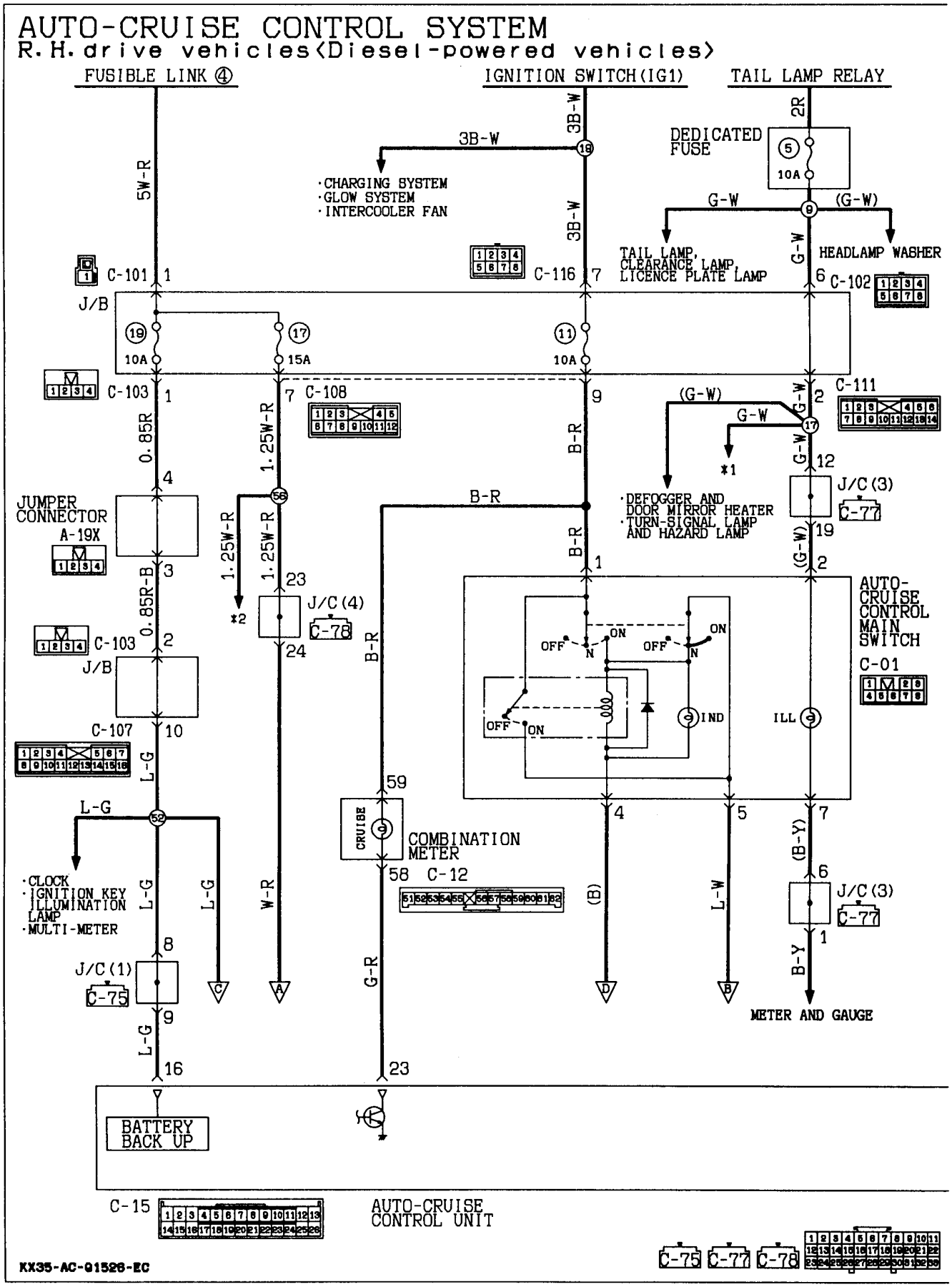


Wire colour code

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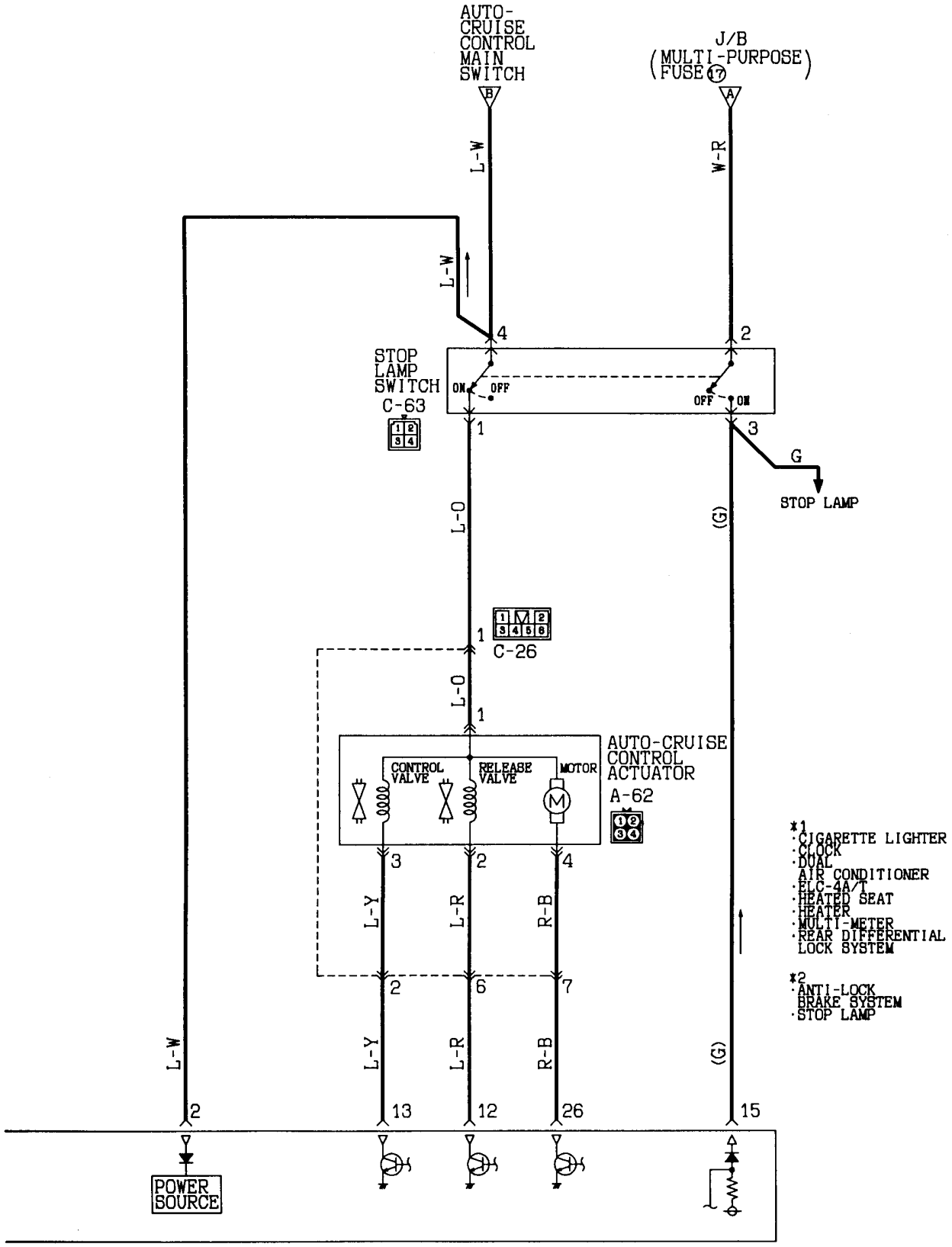
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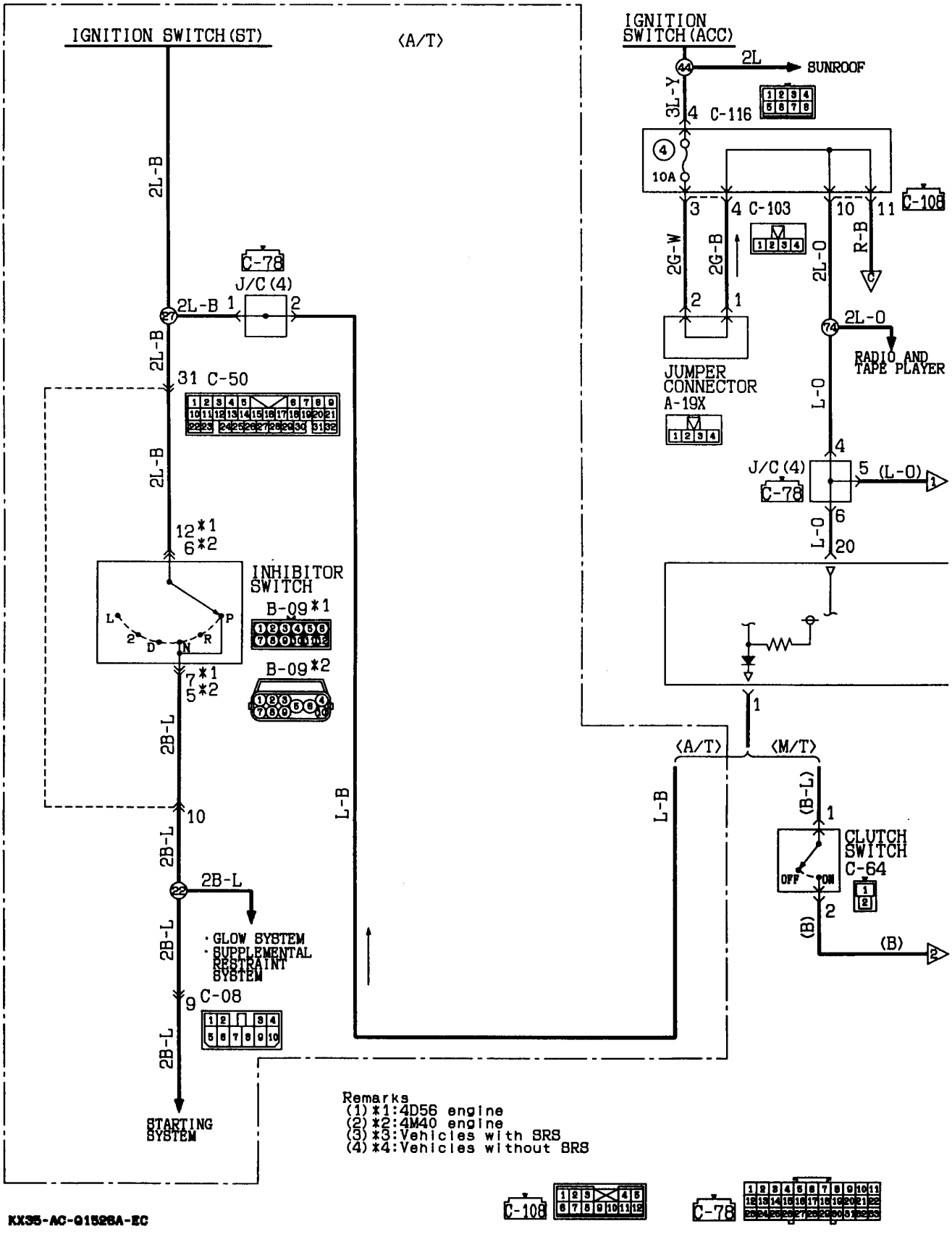
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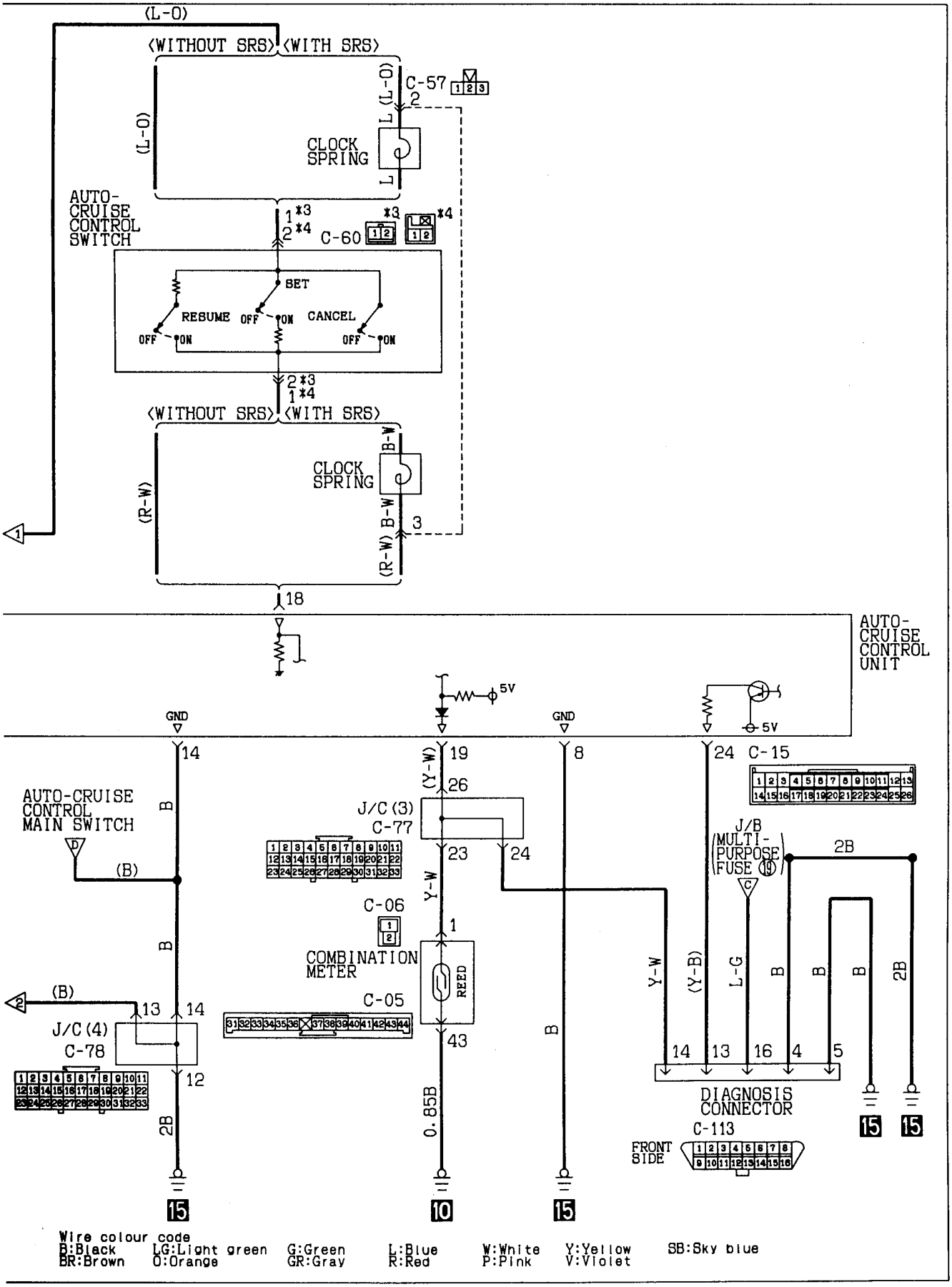
AUTO-CRUISE CONTROL SYSTEM
<R.H.drive vehicles(Diesel-powered vehicles)> (CONTINUED)



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Wire colour code

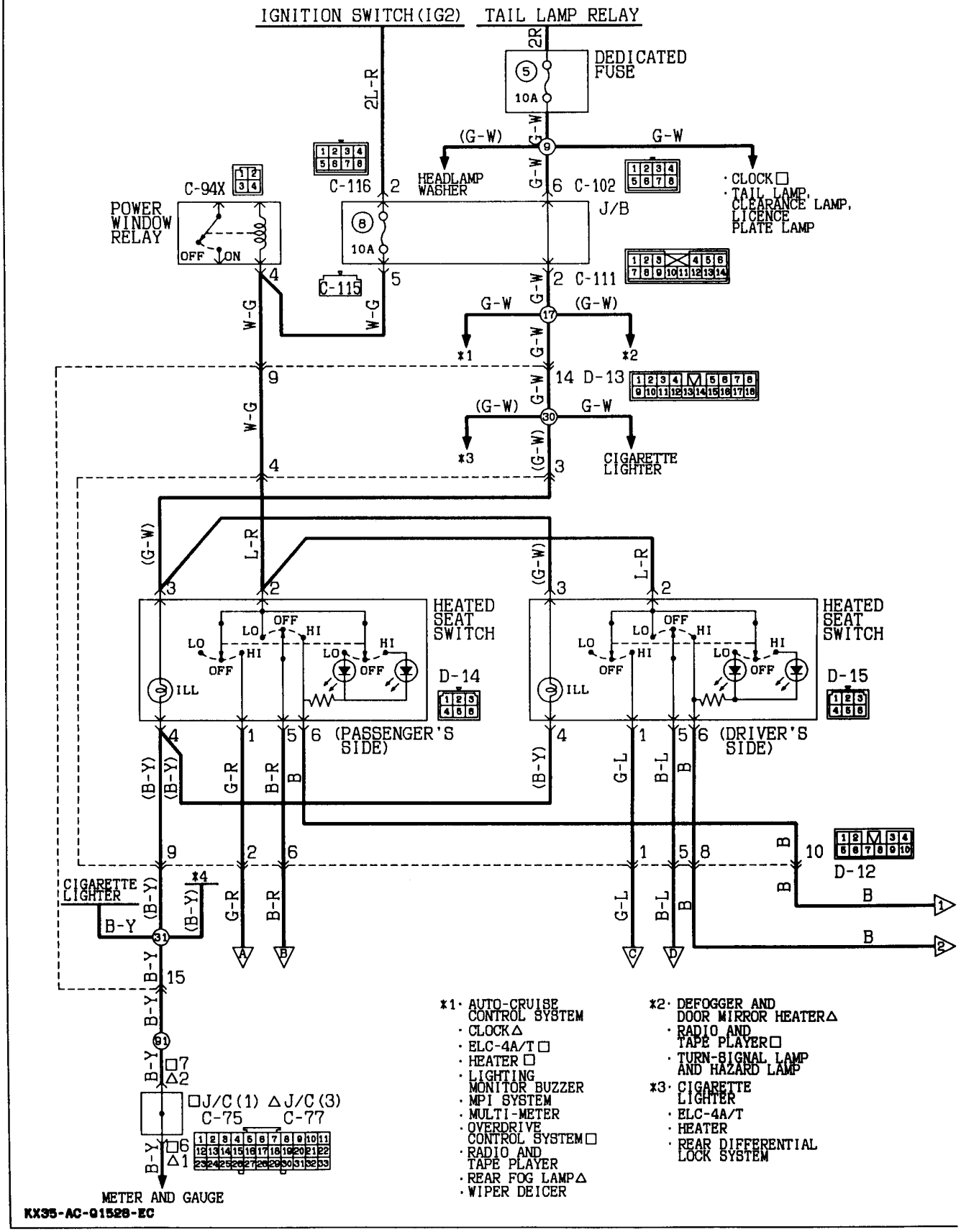
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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HEATED SEAT

Vehicles without power seat



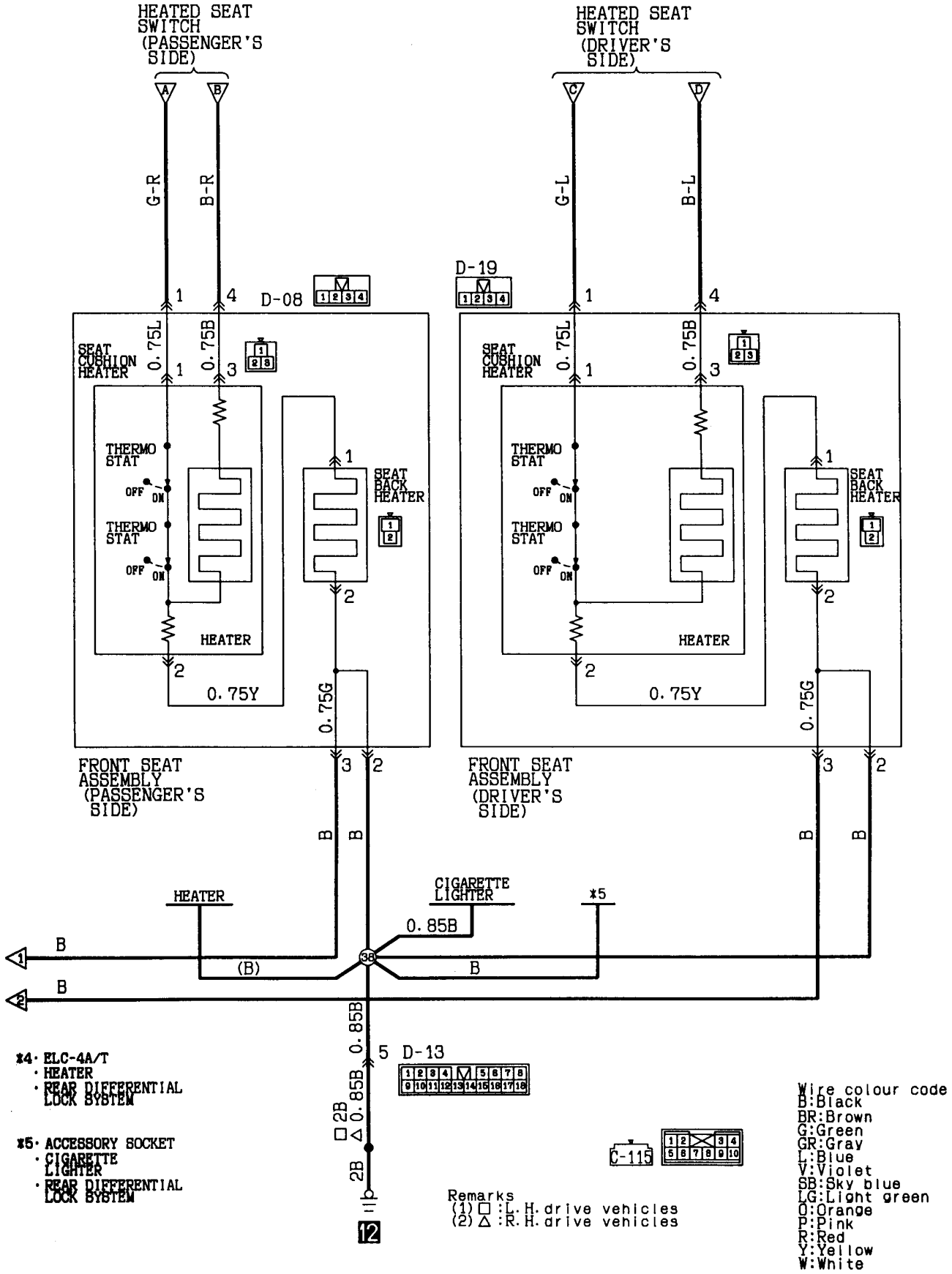
*1· AUTO-CRUISE CONTROL SYSTEM
· CLOCK△
· ELC-4A/T□
· HEATER□
· LIGHTING MONITOR BUZZER
· MPI SYSTEM
· MULTI-METER
· OVERDRIVE CONTROL SYSTEM□
· RADIO AND TAPE PLAYER
· REAR FOG LAMP△
· WIPER DEICER

*2· DEFOGGER AND DOOR MIRROR HEATER△
· RADIO AND TAPE PLAYER□
· TURN-SIGNAL LAMP AND HAZARD LAMP

*3· CIGARETTE LIGHTER
· ELC-4A/T
· HEATER
· REAR DIFFERENTIAL LOCK SYSTEM

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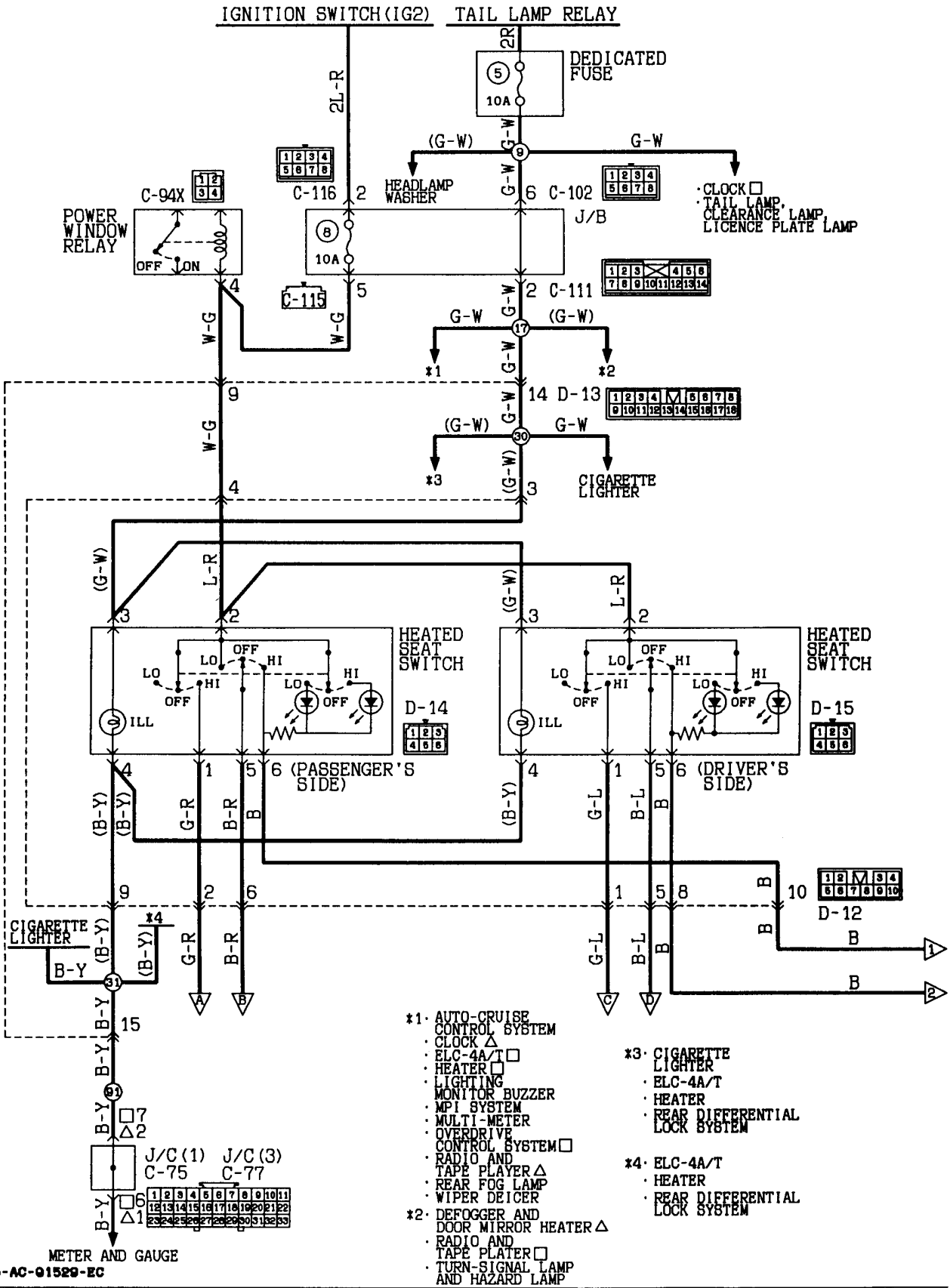
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HEATED SEAT

Vehicles with power seat



*1· AUTO-CRUISE CONTROL SYSTEM
· CLOCK △
· ELC-4A/T□
· HEATER□
· LIGHTING MONITOR BUZZER
· MPI SYSTEM
· MULTI-METER
· OVERDRIVE CONTROL SYSTEM□
· RADIO AND TAPE PLAYER△
· REAR FOG LAMP
· WIPER DEICER

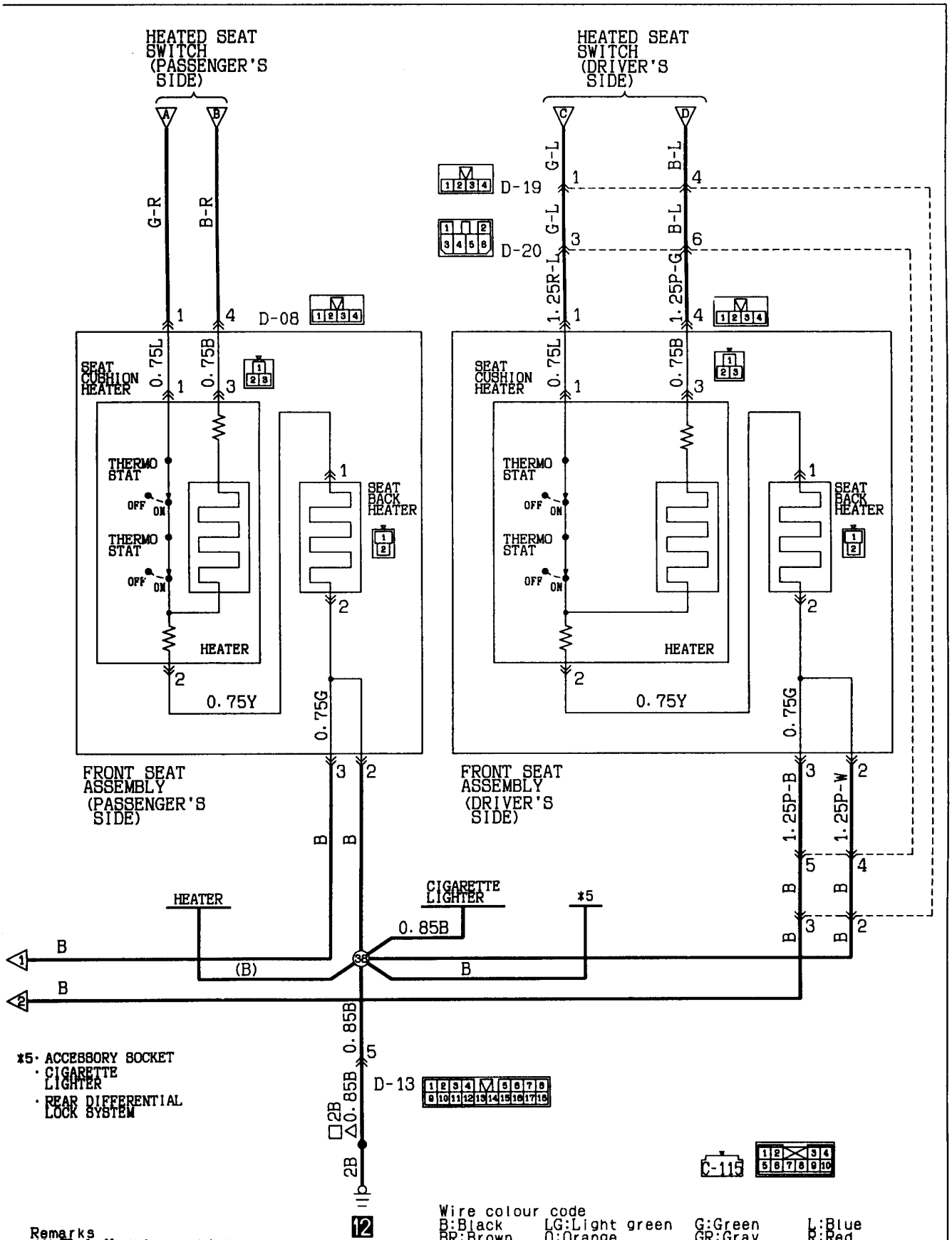
*2· DEFOGGER AND DOOR MIRROR HEATER△
· RADIO AND TAPE PLATER□
· TURN-SIGNAL LAMP AND HAZARD LAMP

*3· CIGARETTE LIGHTER
· ELC-4A/T
· HEATER
· REAR DIFFERENTIAL LOCK SYSTEM

*4· ELC-4A/T
· HEATER
· REAR DIFFERENTIAL LOCK SYSTEM

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*5: ACCESSORY SOCKET
· CIGARETTE LIGHTER
· REAR DIFFERENTIAL LOCK SYSTEM

Remarks
(1) □ : L.H. drive vehicles.
(2) △ : R.H. drive vehicles.

Wire colour code

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

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ADDED

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HEATED SEAT (See P. 4A-328, 330)

OPERATION

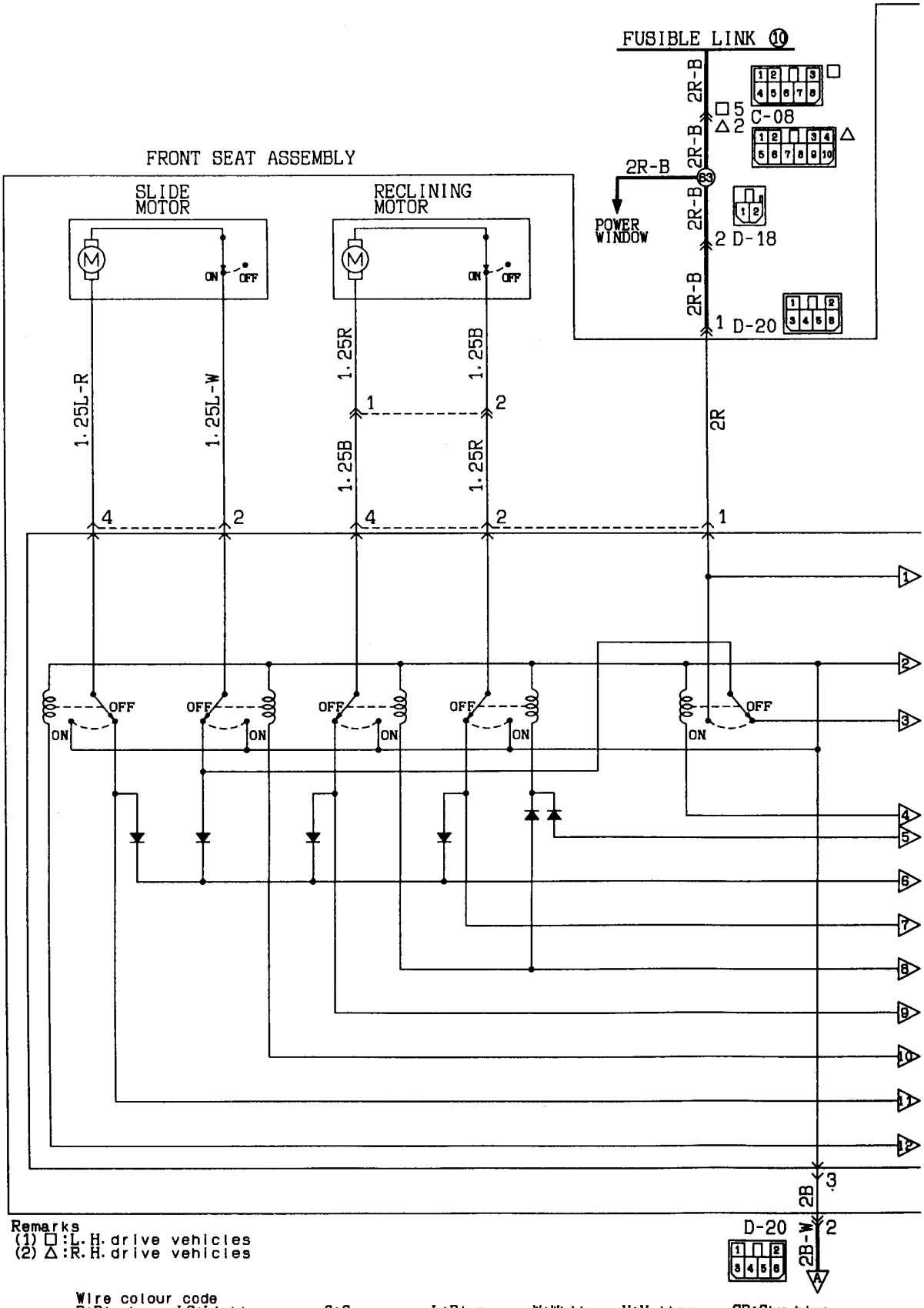
- When the heated seat switch is turned ON (either in LO or HI) with the ignition switch in ON position, the heated seat is activated with operation corresponding to the switch position.

TROUBLESHOOTING HINTS

1. The heated seat warms at one place only.
   - Check the heated seat.
2. The heated seat doesn't become warm.
   - Check the multi-purpose fuse No. ⑧.
   - Check the heated seat switch.

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POWER SEAT



Wire colour code

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

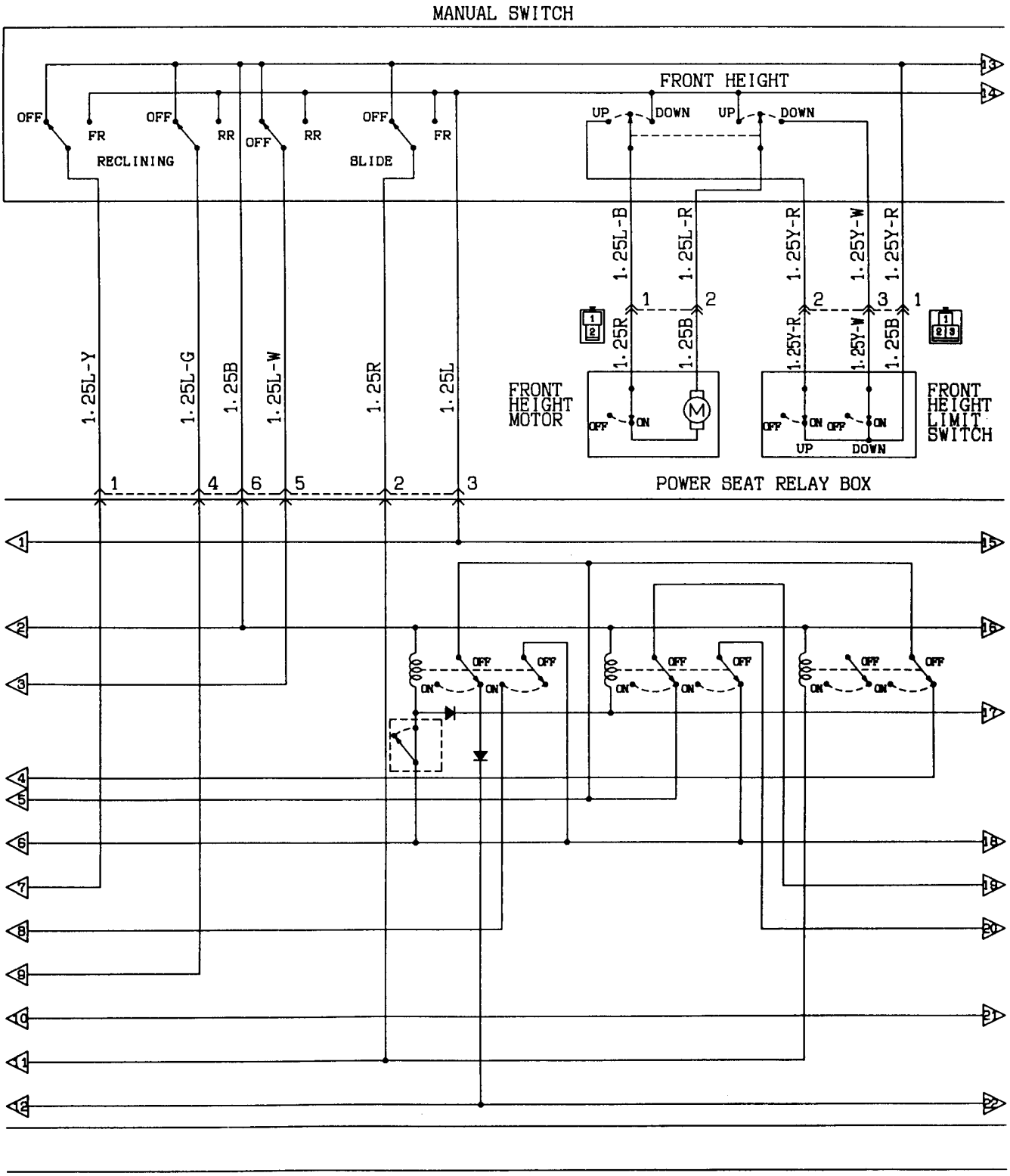
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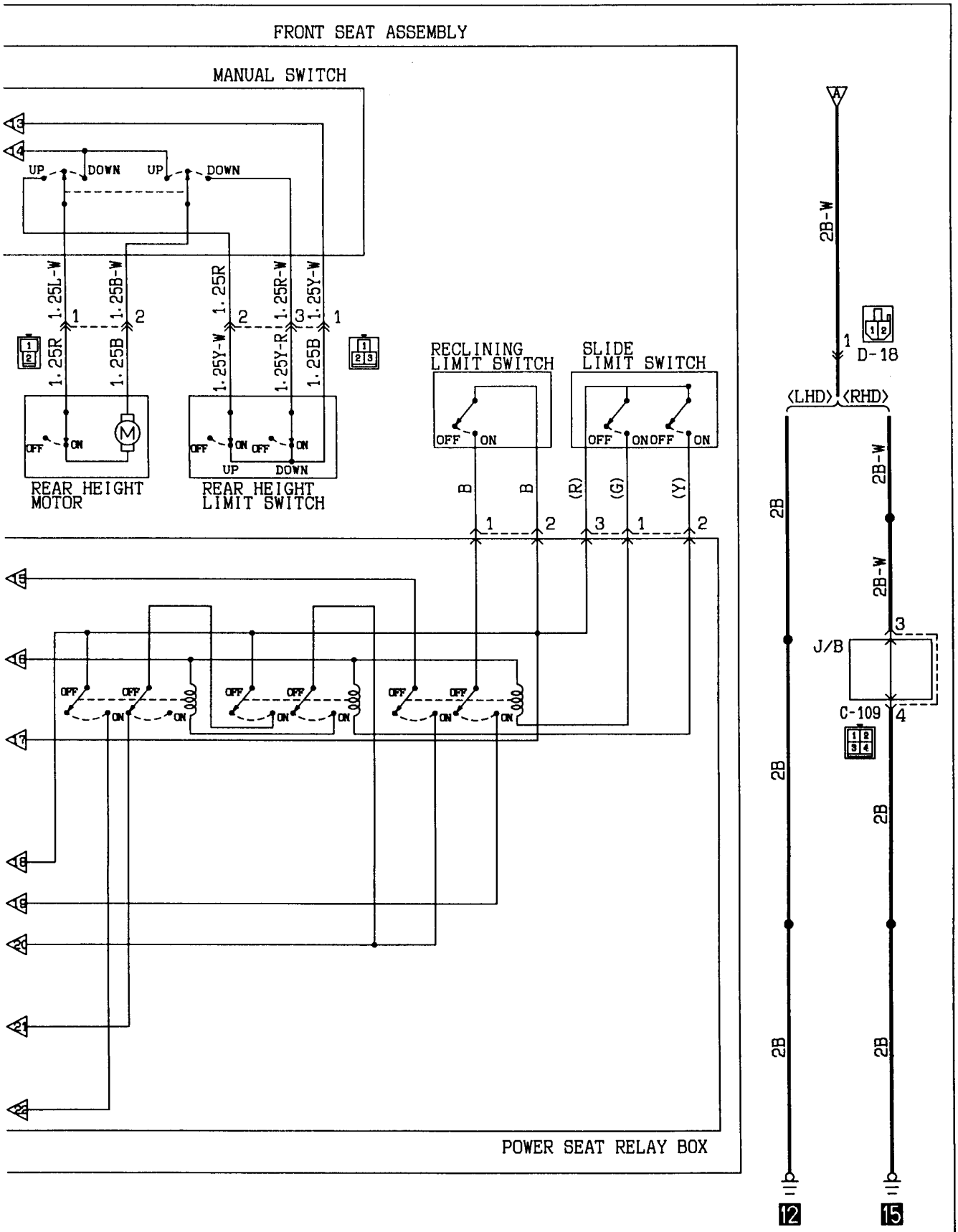
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POWER SEAT (CONTINUED)

FRONT SEAT ASSEMBLY



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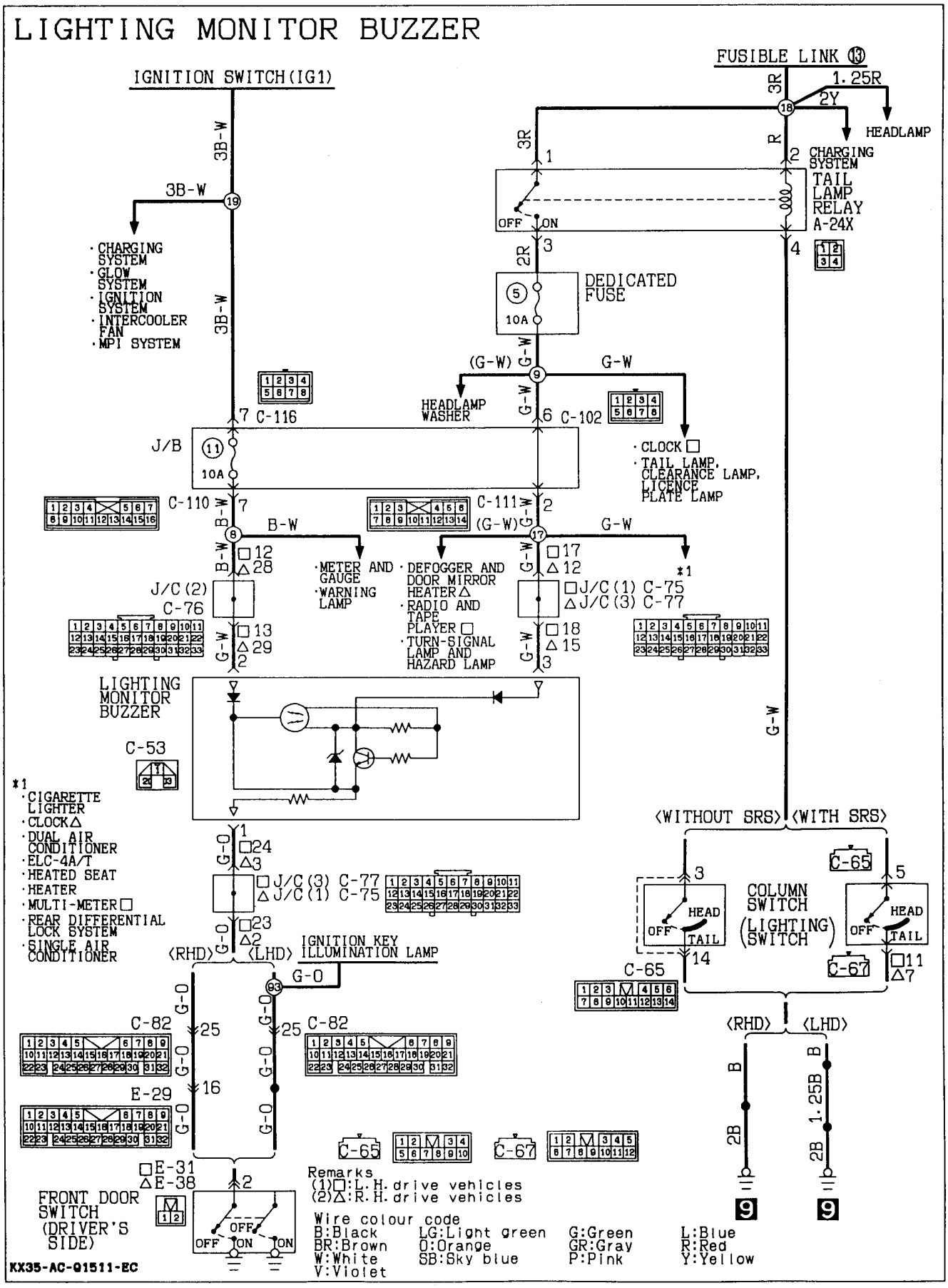
Wire colour code

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

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LIGHTING MONITOR BUZZER (See P. 4A-336.)

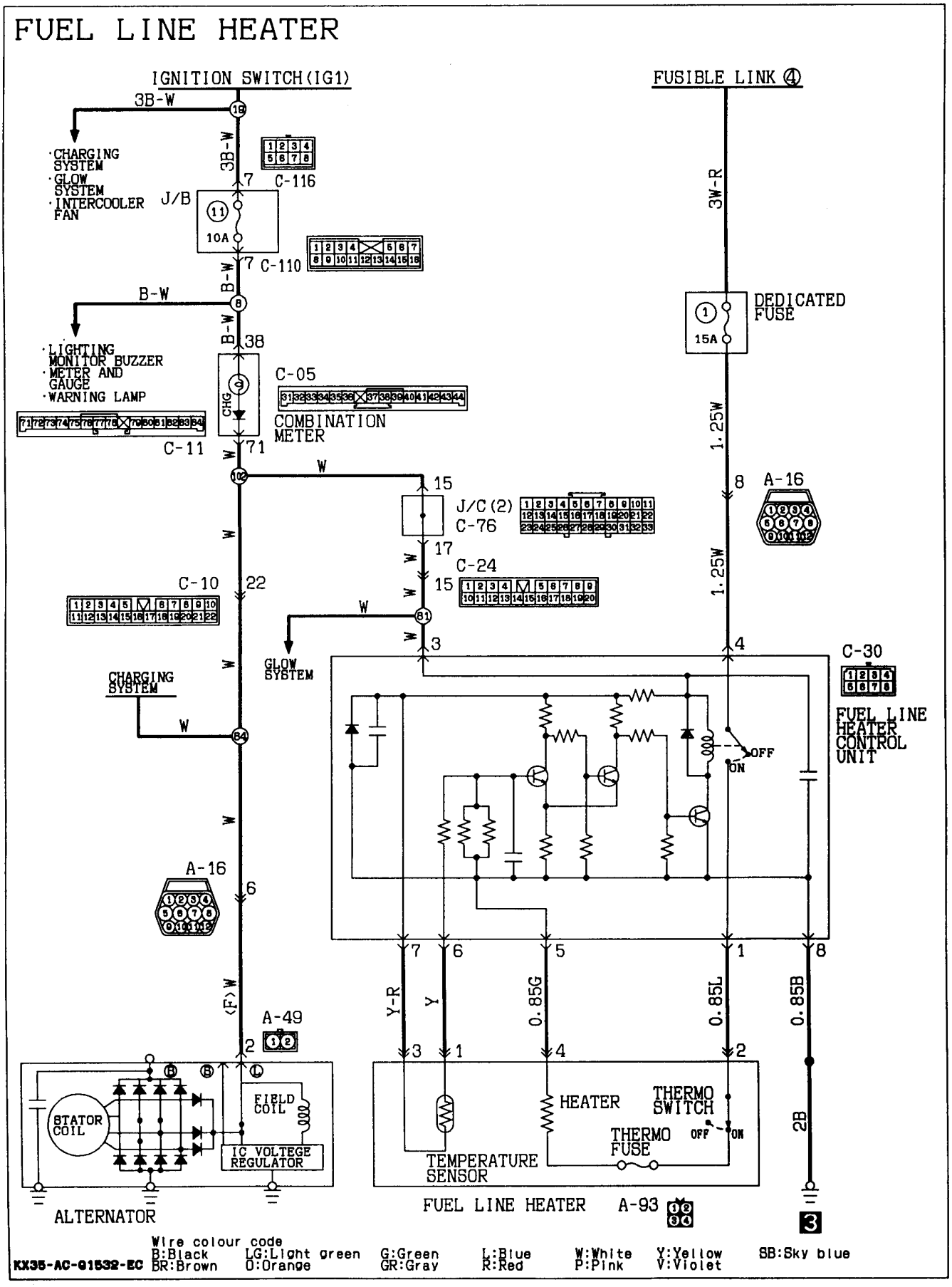
OPERATION

- Placing the lighting switch in the TAIL or HEAD position causes the tail lamp relay to be energized.
- When the ignition switch is in the "OFF" position in this condition, if the driver's side door is opened and the front door switch turns "ON", the buzzer sounds to indicate that the lamps are not switched off.

TROUBLESHOOTING HINTS

1. Lighting monitor buzzer doesn't sound
   (1) But the tail lamps do illuminate.
      - Check the lightning monitor buzzer.
      - Check the front door switch (driver's side).
   (2) The tail lamps also don't illuminate.
      - Check the fusible link No. ⑬.
      - Check the dedicated fuse No. ⑤.

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FUEL LINE HEATER (See P. 4A-338.)

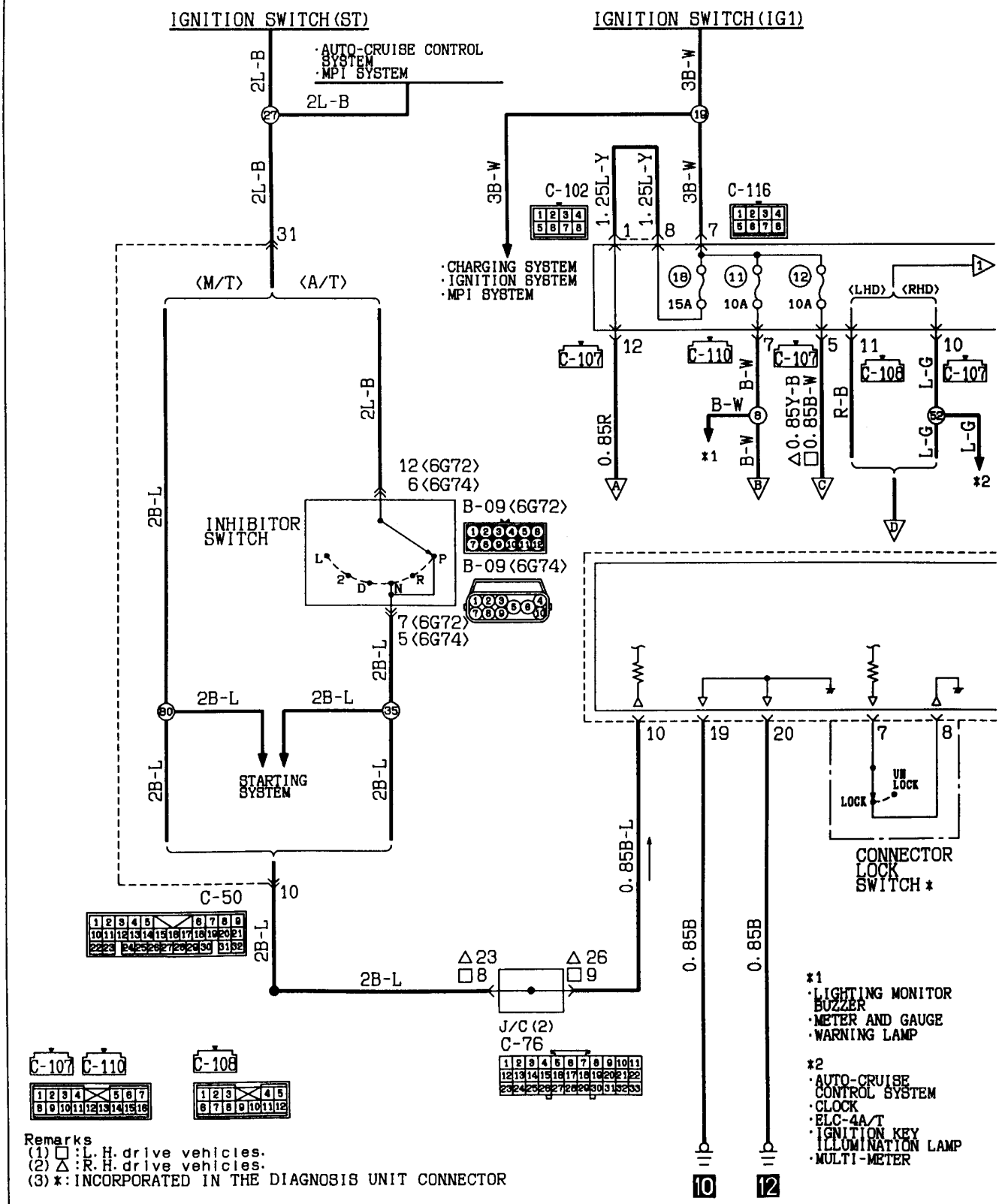
OPERATION

- When the engine is started, the fuel thermo sensor operates to detect the fuel temperature. If the fuel temperature drops below 0~6°C (32~43°F), the fuel line heater control unit operates to turn the heater on in order to warm the fuel. When the fuel temperature is between 1.5~7.5°C (34.5~45.5°F), the heater turns off.
- If there is a malfunction of the fuel thermo sensor and the heater becomes too warm, the thermo switch operates when the temperature becomes 36~46°C (97~115°F) to turn the heater circuit off. If there is a malfunction of the thermo switch, the thermo fuse will burn out at 114~124°C (237~255°F) to fully isolate the heater circuit.

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SUPPLEMENTAL RESTRAINT SYSTEM

Petrol-powered vehicles



Remarks
(1) □ : L.H. drive vehicles.
(2) △ : R.H. drive vehicles.
(3) * : INCORPORATED IN THE DIAGNOSIS UNIT CONNECTOR

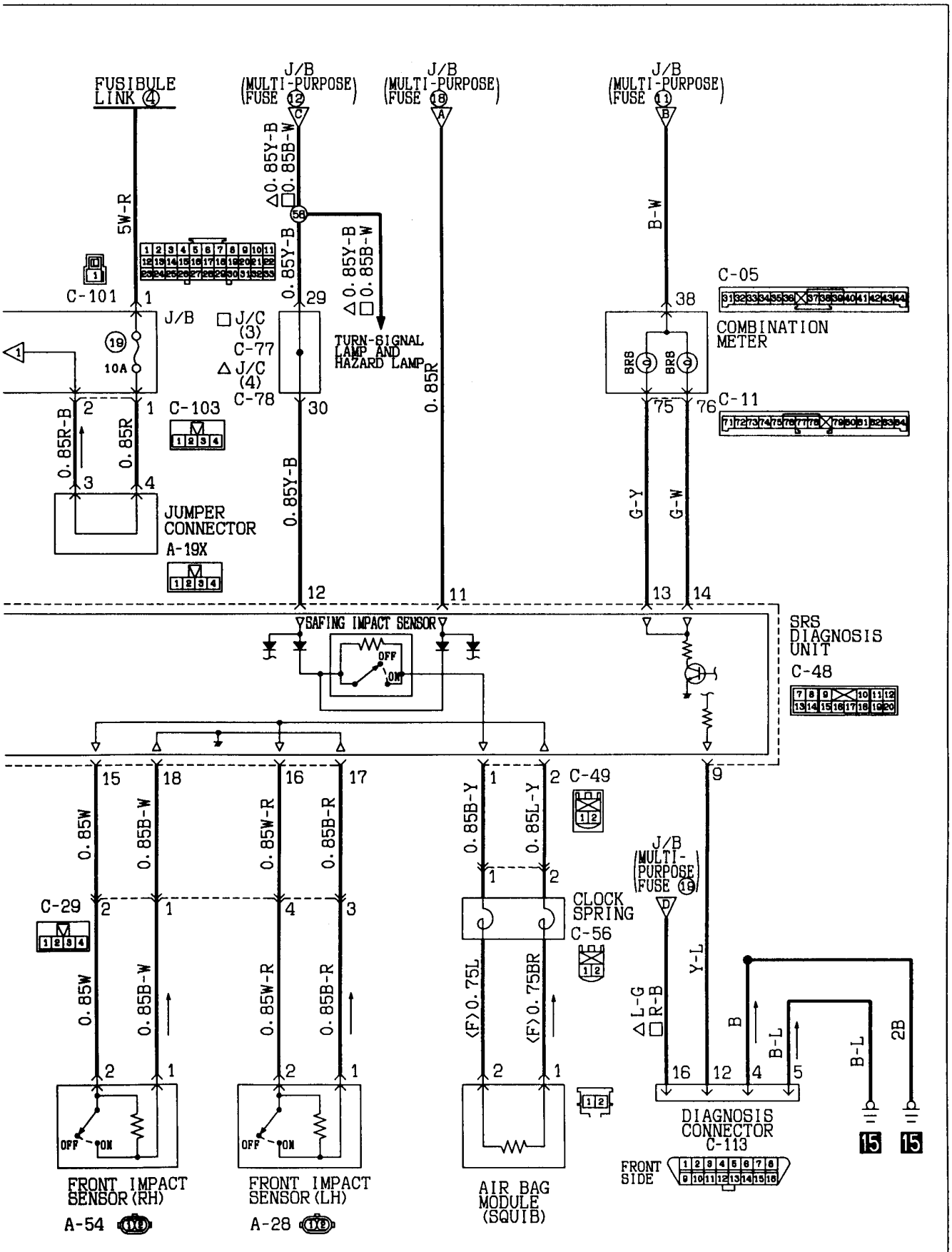
Wire colour code

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

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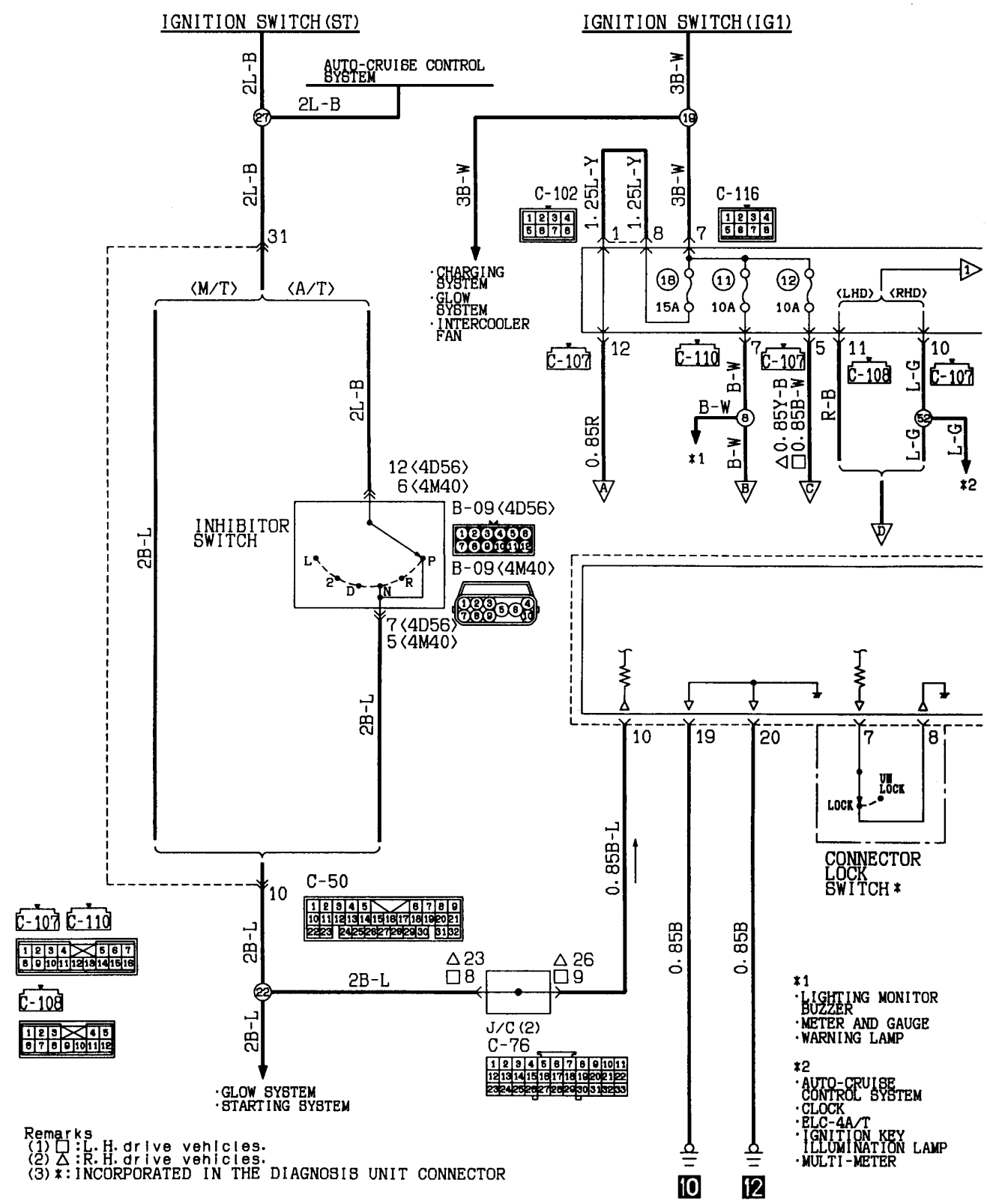


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SUPPLEMENTAL RESTRAINT SYSTEM

Diesel-powered vehicles



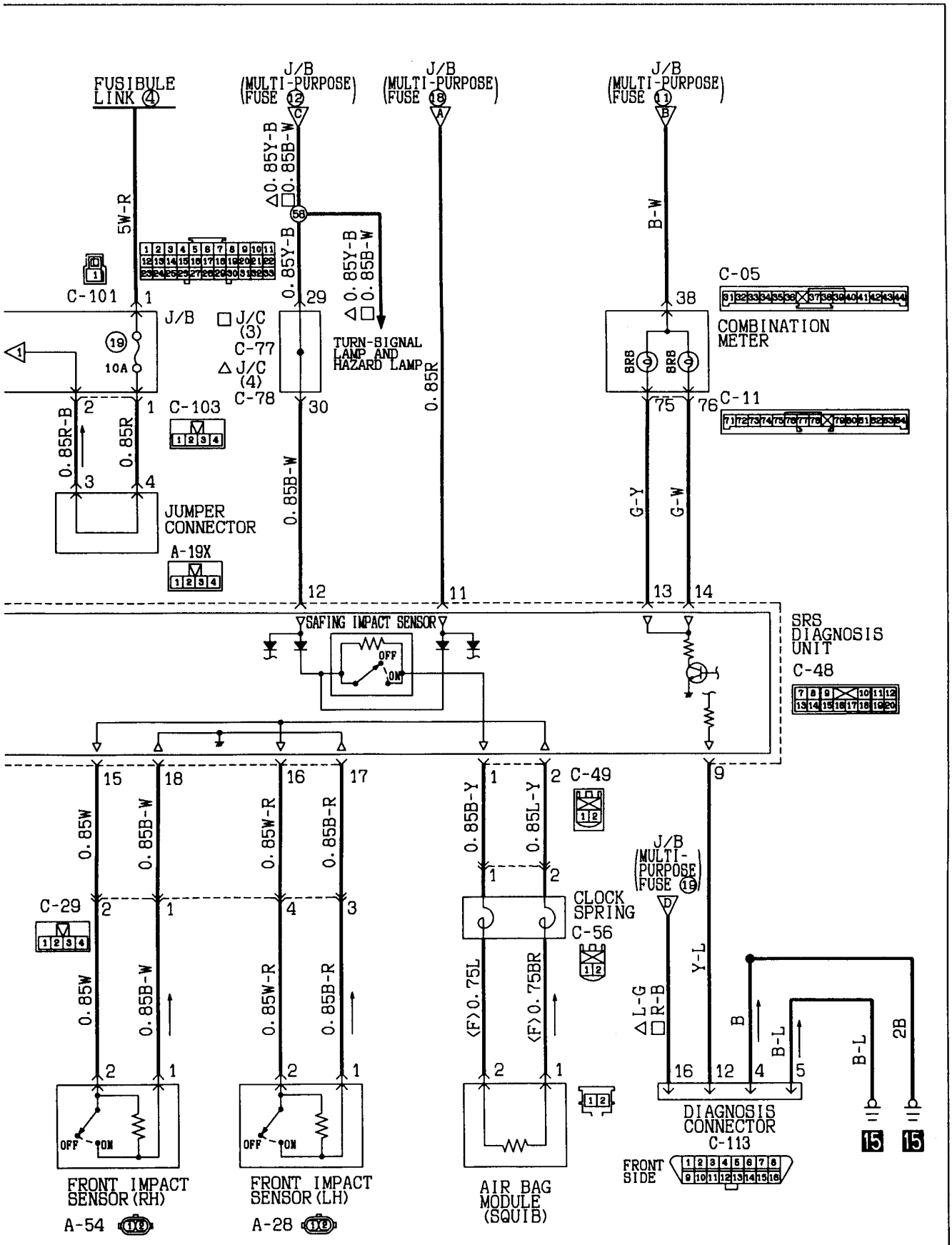
Remarks
(1) □ : L.H. drive vehicles.
(2) △ : R.H. drive vehicles.
(3) * : INCORPORATED IN THE DIAGNOSIS UNIT CONNECTOR

Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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	Engine coolant temperature switch (for condenser fan motor control)	A-116	4A-199, 206, 215, 228, 241, 254	2A-26, 30, 34, 38
	Engine oil level relay	C-31	4A-156	2A-43, 44
	Engine oil level sensor	A-51	4A-156	2A-6, 8, 12, 16, 20, 24, 28, 32, 36
	Engine speed detection connector	A-66	4A-28, 63, 73	2A-18, 23
F	Floor wiring harness (LH) and floor wiring harness (RH) combination	E-29	4A-117, 121, 123, 125, 127, 128, 129, 130, 131, 135, 140, 141, 164, 168, 173, 175, 265, 267, 277, 280, 284, 285, 286, 288, 298, 300, 310, 311, 336	2A-50, 51, 52, 53
		E-30	4A-271	2A-50, 51, 52, 53
	Folding top assembly <Canvas top>	E-06	4A-295	2A-50, 51, 52, 53
		E-07	4A-295	2A-50, 51, 52, 53
	Frame wiring harness and floor wiring harness (RH) combination	E-26	4A-47, 55, 63, 73, 117, 137, 139, 144, 146, 151, 154, 299, 301, 311	2A-50, 51, 52 53
		E-27	4A-306, 307	2A-50, 51, 52, 53
		E-28	4A-309	2A-50, 51, 52, 53
	Free wheel engage switch	A-59	4A-304, 311	2A-8, 12, 16, 20, 24, 28, 32, 36
	Front combination lamp (LH)	A-33	4A-137	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-34	4A-116	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Front combination lamp (RH)	A-57	4A-116	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
		A-58	4A-137	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
	Front door switch (LH)	E-31	4A-128, 129, 130, 131, 134, 336	2A-50, 51, 52, 53
	Front door switch (RH)	E-38	4A-128, 129, 130, 131, 135, 336	2A-50, 51, 52, 53
	Front impact sensor (LH) <SRS>	A-28	4A-341, 343	2A-9, 13, 17, 21, 25, 29, 33, 37
	Front impact sensor (RH) <SRS>	A-54	4A-341, 343	2A-8, 12, 16, 20, 24, 28, 32, 36
	Front seat assembly (Driver's side) <Heated seat> or power seat wiring harness and console wiring harness	D-19	4A-329, 331	2A-46, 47, 48, 49
	Front seat assembly (Passenger's side) <Heated seat>	D-08	4A-329, 331	2A-46, 47, 48, 49
	Front seat assembly <Power seat>	D-20	4A-331, 333	2A-46, 47, 48, 49
	Front speaker (LH)	C-80	4A-277, 280, 284, 285, 286, 288	2A-42, 44
	Front speaker (RH)	C-37	4A-277, 280, 284, 285, 286, 288	2A-43, 45
	Front wiring harness and dash wiring harness combination	C-08	4A-22, 24, 30, 31, 32, 120, 122, 124, 126, 136, 162, 163, 166, 167, 272, 318, 326, 333	2A-42, 44
		C-09	4A-270	2A-42, 44
		C-10	4A-30, 31, 32, 43, 49, 57, 65, 75, 101, 102, 104, 105, 106, 107, 110, 112, 117, 136, 143, 155, 156, 159, 161, 193, 196, 200, 203, 207, 210, 216, 221, 229, 236, 242, 247, 255, 260, 261, 264, 266, 287, 290, 291, 315, 319, 330	2A-42, 44
		C-28	4A-136, 143, 156, 159, 161, 264, 266, 268, 279, 283, 304, 306, 307, 311	2A-43, 45
		C-29	4A-341, 343	2A-43, 45
	Front wiring harness and floor wiring harness (RH) combination	C-36	4A-52, 60, 69, 79, 308, 309	2A-45
	Front wiring harness and junction block combination	C-100	4A-128, 129, 130, 131	2A-42, 45
		C-101	4A-14, 20, 43, 48, 64, 74, 86, 94, 128, 129, 130, 131, 134, 135, 139, 158, 160, 172, 174, 176, 177, 180, 183, 184, 187, 191, 194, 197, 201, 204, 208, 213, 219, 226, 234, 239, 245, 252, 276, 278, 281, 285, 286, 288, 291, 292, 294, 309, 312, 316, 320, 324, 341, 343	2A-42, 45

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	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
F	Front wiring harness and junction block combination	C-102	4A-15, 21, 66, 76, 82, 83, 86, 94, 105, 107, 111, 113, 116, 120, 122, 124, 126, 136, 137, 140, 141, 142, 143, 144, 146, 150, 158, 161, 163, 166, 167, 176, 177, 180, 183, 184, 187, 191, 194, 197, 201, 204, 208, 213, 219, 226, 234, 239, 245, 252, 268, 270, 273, 276, 278, 281, 285, 286, 288, 292, 293, 298, 300, 307, 309, 312, 316, 320, 324, 328, 330, 336, 340, 342	2A-42, 45
		C-103	4A-13, 14, 19, 20, 43, 48, 64, 74, 86, 94, 128, 129, 130, 131, 134, 135, 158, 160, 172, 174, 276, 278, 281, 285, 286, 288, 291, 292, 294, 308, 312, 314, 316, 318, 320, 322, 324, 326, 341, 343	2A-42, 45
	Fuel cut solenoid valve	A-109	4A-35, 37, 39, 41	2A-27, 31, 35, 39
	Fuel gauge unit	G-14	4A-144, 147, 151, 154	2A-58
	Fuel injection pump wiring harness and control wiring harness combination	A-106	4A-34, 35, 36, 37, 39, 41, 151, 152	2A-27, 31, 35, 39
	Fuel line heater or no connection	A-93	4A-338	2A-27, 35, 39
	Fuel pump check connector	A-67	4A-42, 47, 55, 63, 73	2A-6, 10, 15, 18, 23
	Fuel pump <MPI>	G-13	4A-42, 47, 55, 63, 73	2A-58
G	Geomagnetic sensor	D-05	4A-161	2A-46, 47, 48, 49
	Glow plug	A-71	4A-34, 36, 38, 40	2A-26, 30, 34, 38
	Glow plug relay	A-100	4A-34, 36, 38, 40	2A-27, 31, 35, 39
		A-101	4A-34, 36, 38, 40	2A-27, 31, 35, 39
		A-99	4A-34, 36, 38, 40, 51	2A-27, 31, 35, 39
	G sensor	E-33	4A-182, 311	2A-50, 51, 52, 53
H	Hazard switch	C-14	4A-136	2A-42, 44
	Headlamp (LH)	A-36	4A-101, 102, 104, 106, 110, 112	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Headlamp leveling switch	C-68	4A-114	2A-42, 45
	Headlamp leveling unit (LH)	A-35	4A-114	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Headlamp leveling unit (RH)	A-56	4A-114	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
	Headlamp (RH)	A-55	4A-101, 102, 104, 106, 110, 112	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
	Headlamp washer motor and headlamp washer fluid level sensor	A-01	4A-268	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
	Headlamp washer relay	C-88	4A-268	2A-42, 45
	Heated seat switch (Driver's side)	D-15	4A-328, 330	2A-46, 47, 48, 49
	Heated seat switch (Passenger's side)	D-14	4A-328, 330	2A-46, 47, 48, 49
	High range/low range detection switch	B-08	4A-302, 305	2A-40, 41
	Horn (HI)	A-46	4A-142, 143	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
		A-47	4A-142, 143	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
	Horn (LO)	A-44	4A-142, 143	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-45	4A-142, 143	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Horn relay <Vehicles with SRS>	A-31	4A-143	2A-9, 13, 17, 21, 25, 29, 33, 37
	Hydraulic unit	A-63	4A-308	2A-10, 12, 18, 20, 27, 28, 35, 36
		A-64	4A-308	2A-10, 12, 18, 20, 27, 28, 35, 36
I	Idle speed control servo	A-72	4A-45, 51, 59, 68, 78	2A-6, 10, 14, 18, 22
	Idle up solenoid valve <ABS>	A-65	4A-309	2A-27, 28, 35, 36
	Idle up solenoid valve <A/C>	A-94	4A-200, 207, 216, 229, 242, 255	2A-26, 31, 34, 39

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	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
I	Ignition coil	A-86	4A-26, 27, 29, 45, 63, 73	2A-7, 10, 14, 19, 23
		A-87	4A-29, 63, 73	2A-19, 23
		A-88	4A-29, 47, 55, 63, 73	2A-19, 23
	Ignition switch	C-61	4A-12, 18	2A-42, 45
	Ignition timing adjustment connector	A-68	4A-26, 27, 28, 45, 52, 60, 69, 79	2A-6, 10, 15, 18, 23
	Ignition wiring harness and control wiring harness combination	A-80	4A-29, 63, 73	2A-19, 23
	Inhibitor switch <A/T>	B-09	4A-23, 24, 38, 40, 57, 75, 83, 84, 89, 97, 141, 314, 318, 322, 326, 340, 342	2A-41
	Injector No.1	A-74	4A-45, 51, 59, 68, 78	2A-7, 11, 15, 18, 22
	Injector No.2	A-85	4A-45, 51, 59, 68, 78	2A-7, 11, 15, 19, 23
	Injector No.3	A-75	4A-45, 51, 59, 68, 78	2A-7, 11, 15, 18, 22
	Injector No.4	A-84	4A-45, 51, 59, 68, 78	2A-7, 11, 15, 19, 23
	Injector No.5	A-76	4A-51, 59, 68, 78	2A-11, 15, 18, 22
	Injector No.6	A-83	4A-51, 59, 68, 78	2A-11, 15, 19, 23
	Injector wiring harness and control wiring harness combination	A-77	4A-45, 51, 59, 68, 78	2A-6, 10, 14, 18, 22
	Instrument panel wiring harness and dash wiring harness combination	D-01	4A-159, 160	2A-46, 47, 48, 49
		D-02	4A-105, 107, 155, 158, 159, 160, 291, 292	2A-46, 47, 48, 49
	Intake air temperature switch	A-95	4A-297	2A-27, 31, 35, 39
	Intercooler fan control unit <Vehicles with fuel line heater>	C-40	4A-297	2A-43
	Intercooler fan motor	A-96	4A-297	2A-27, 31, 35, 39
J	J/C (1)	C-75	4A-43, 45, 52, 53, 60, 61, 66, 69, 70, 76, 79, 80, 82, 83, 86, 87, 88, 90, 92, 94, 96, 98, 100, 120, 122, 125, 127, 135, 156, 159, 161, 166, 167, 174, 176, 178, 181, 183, 184, 187, 191, 194, 197, 201, 204, 211, 217, 219, 222, 230, 234, 239, 245, 252, 270, 271, 272, 273, 277, 280, 282, 284, 293, 297, 298, 306, 307, 310, 312, 315, 316, 319, 320, 324, 328, 330, 336	2A-42, 45
	J/C (2)	C-76	4A-15, 21, 30, 31, 32, 34, 35, 36, 38, 39, 40, 41, 42, 49, 57, 65, 66, 75, 76, 84, 87, 95, 139, 156, 174, 177, 180, 208, 213, 219, 226, 270, 272, 289, 296, 308, 310, 312, 314, 315, 316, 318, 320, 336, 338, 340, 342	2A-42, 45
	J/C (3)	C-77	4A-15, 21, 42, 53, 61, 66, 70, 76, 80, 82, 83, 84, 87, 88, 90, 92, 94, 95, 96, 98, 100, 120, 122, 125, 127, 139, 145, 148, 156, 158, 159, 161, 172, 183, 185, 188, 201, 204, 237, 243, 248, 256, 270, 271, 273, 293, 295, 296, 297, 300, 301, 307, 308, 310, 311, 312, 315, 316, 319, 320, 323, 324, 327, 328, 330, 336, 341, 343	2A-42, 45
	J/C (4)	C-78	4A-49, 57, 65, 75, 82, 83, 84, 87, 88, 95, 96, 139, 148, 156, 272, 310, 311, 320, 321, 322, 323, 324, 326, 327, 341, 343	2A-45
	Jumper connector	C-114	4A-52, 60, 69, 79, 91, 100	2A-45
K	Key cylinder illumination lamp timer	C-44	4A-134, 135	2A-43, 44
	Kickdown switch	C-16	4A-91, 99	2A-43, 45
L	Lever position sensor	A-107	4A-36, 38, 40, 95	2A-27, 31, 35, 39
	Lever position switch <A/T>or short connector <M/T>	A-108	4A-198, 205, 214, 227, 240, 253	2A-27, 31, 35, 39
	Licence plate lamp	G-11	4A-117	2A-58
	Lighting monitor buzzer	C-53	4A-336	2A-43, 44
M	Magnetic clutch <A/C>	A-40	4A-43, 49, 57, 65, 75, 193, 196, 200, 203, 207, 210, 216, 221, 229, 236, 242, 247, 255	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Map lamp or room lamp or canvas roof switch	E-02	4A-129, 130, 131	2A-50, 51, 52, 53
	Motor antenna	A-03	4A-279, 283, 287	2A-4, 8, 13, 16, 21, 24, 29, 32, 37

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	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
M	Motor antenna	A-04	4A-283, 290	2A-4, 8, 13, 16, 21, 24, 29, 32, 37
	Motor antenna control unit	C-52	4A-279, 283, 287, 290	2A-43, 44
	Motor antenna switch	C-55	4A-282, 289	2A-42, 44
	Multi-meter	D-04	4A-159, 160	2A-46, 47, 48, 49
N	No connection	E-11	—	2A-50, 51, 52, 53
		E-15	—	2A-52, 53
		F-01	—	2A-54, 55, 56, 57
		F-15	—	2A-54, 55, 56, 57
	Noise filter	A-69	4A-26, 27, 45, 47, 55, 145, 148	2A-6, 10, 14
		A-70	4A-26, 27, 45, 47, 55, 145, 148	2A-6, 10, 14
O	Oil pressure switch	A-48	4A-155	2A-6, 8, 12, 16, 20, 24, 28, 34, 38
	Overdrive control relay	C-79	4A-83	2A-42, 45
	Overdrive switch	D-09	4A-82, 88, 96, 312, 322	2A-48, 49
	Oxygen sensor <4G64 engine>	A-119	4A-44	2A-6
	Oxygen sensor <6G72,6G74 engine>	B-10	4A-51, 59, 68, 78	2A-41
P	Parking brake switch	D-16	4A-156	2A-46, 47, 48, 49
	Power/Hold changeover switch <ELC-4A/T>	D-23	4A-88, 96	2A-48, 49
	Power seat wiring harness and dash wiring harness combination	D-18	4A-333, 335	2A-46, 47, 48, 49
	Power steering oil pressure switch <A/T> or No connection	A-117	4A-52, 60, 69, 79	2A-10, 14, 18, 22
	Power transistor	A-81	4A-26, 27, 28, 45, 63, 73	2A-7, 10, 14, 19, 23
		A-82	4A-28, 47, 55, 63, 73	2A-19, 23
	Power window main switch (Driver's side)	F-17	4A-162, 163, 166, 167	2A-54, 55, 56, 57
	Power window motor (Front:LH)	F-16	4A-162, 163, 166, 167	2A-54, 55, 56, 57
	Power window motor (Front:RH)	F-03	4A-162, 163, 166, 167	2A-54, 55, 56, 57
	Power window motor (Rear:LH)	F-12	4A-165, 169	2A-56, 57
	Power window motor (Rear:RH)	F-07	4A-165, 169	2A-56, 57
	Power window sub switch (Passenger's side)	F-04	4A-162, 163, 166, 167	2A-54, 55, 56, 57
	Power window sub switch (Rear:LH)	F-11	4A-165, 169	2A-56, 57
	Power window sub switch (Rear:RH)	F-08	4A-165, 169	2A-56, 57
R	Radio	C-21	4A-213, 276, 277, 278, 280, 281 284, 285, 286, 288	2A-43, 44
		C-22	4A-277, 278, 280, 281, 284, 285, 286, 288	2A-43, 44
	Rear A/C control unit	E-16	4A-211, 217, 225, 233, 237, 243, 251, 259	2A-52, 53
	Rear blower main switch	D-17	4A-178, 181, 185, 188, 211, 217, 222, 230, 237, 243, 248, 256	2A-46, 47, 48, 49
	Rear combination lamp harness and floor wiring harness (LH) combination	E-22	4A-121, 123, 125, 127, 140, 141	2A-50, 51, 52, 53
	Rear combination lamp (In bumper:LH)	G-15	4A-117, 137, 139	2A-58
	Rear combination lamp (In bumper:RH)	G-10	4A-137, 139	2A-58
	Rear combination lamp (LH)	E-19	4A-121, 123, 125, 127, 140, 141	2A-50, 51, 52, 53
	Rear combination lamp (RH)	G-08	4A-117, 121, 123, 125, 127, 140, 141	2A-58
	Rear console wiring harness and console wiring harness combination	D-12	4A-328, 330	2A-46, 47, 48, 49
	Rear differential lock air pump	E-25	4A-298, 300	2A-50, 51, 52, 53
	Rear differential lock control unit	E-24	4A-299, 301, 311	2A-50, 51, 52, 53
	Rear differential lock detection switch	G-18	4A-299, 301, 311	2A-58
	Rear differential lock switch	D-24	4A-298, 300	2A-46, 47, 48, 49
	Rear door switch (LH)	E-36	4A-131	2A-52, 53
	Rear door switch (RH)	E-09	4A-131	2A-50, 51, 52, 53
	Rear door wiring harness (LH) and floor wiring harness (LH) combination	E-32	4A-165, 169, 173, 175	2A-52, 53
	Rear door wiring harness (RH) and floor wiring harness (RH) combination	E-39	4A-165, 169, 173, 175	2A-52, 53
	Rear fog lamp switch	C-02	4A-120, 122, 125, 127	2A-42, 45

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	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
R	Rear heater assembly	E-40	4A-179, 182, 186, 189, 223, 231, 249, 257	2A-52, 53
	Rear heater control switch or rear A/C control switch <Dual A/C>	E-35	4A-179, 186, 189, 212, 217, 223, 231, 238, 244, 249, 257	2A-50, 51, 52, 53
	Rear speaker (LH)	E-37	4A-277, 280, 284, 285, 286, 288	2A-52, 53
	Rear speaker (RH)	E-10	4A-277, 280, 284, 285, 286, 288	2A-50, 51, 52, 53
	Rear washer motor	G-09	4A-265, 267	2A-58
	Rear wiper motor	G-07	4A-265, 267	2A-58
	Refer to centralized junction	A-19X	4A-13, 14, 19, 20, 43, 48, 56, 64, 74, 86, 94 128, 129, 130, 131, 134, 135, 158, 160, 172, 174, 276, 278, 281, 285, 286, 288, 291, 294, 308, 312, 314, 316, 318, 322, 324, 326, 341, 343	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-20X	4A-11, 17, 101, 102, 104, 106, 110, 112	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-21X	4A-297	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-22X	4A-30, 31, 32	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-23X	4A-120, 122, 124, 126	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-24X	4A-11, 17, 101, 102, 104, 106, 111, 113, 116, 120, 122, 124, 126, 336	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-25X	4A-193, 196, 199, 203, 206, 210, 215, 221, 228, 236, 241, 247, 254	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-26X	4A-43, 49, 57, 65, 75, 193, 196, 200, 203, 207, 210, 216, 221, 229, 236, 242, 247, 255	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		C-92X	—	2A-42, 45
		C-93X	4A-179, 181, 186, 219, 226, 245, 252	2A-42, 45
		C-94X	4A-162, 164, 166, 168, 328, 330	2A-42, 45
		C-95X	—	2A-42, 45
		C-96X	4A-270	2A-42, 45
		C-97X	4A-264, 266	2A-42, 45
		C-98X	4A-136	2A-42, 45
	Remote controlled mirror (LH)	F-18	4A-271, 274	2A-54, 55, 56, 57
	Remote controlled mirror (RH)	F-02	4A-271, 274	2A-54, 55, 56, 57
	Remote controlled mirror switch	C-03	4A-274	2A-42, 45
	Resistor (for blower motor control circuit)	C-38	4A-176, 177, 180, 183, 184, 187, 191, 194, 197, 201, 204, 208, 213, 219, 226, 234, 239, 245, 252	2A-43, 44
	Resistor <for dim-dip lamp circuit>	A-32	4A-110, 112	2A-13, 21, 29, 37
	Rheostat or jumper connector	C-04	4A-144, 146, 150	2A-42, 44
	Roof wiring harness and dash wiring harness combination	C-99	4A-272, 295, 296	2A-42, 45
	Room lamp	E-04	4A-128, 129, 131, 295	2A-50, 51, 52, 53
	Rotation sensor	A-111	4A-37, 39, 41, 152	2A-27, 31, 35, 39
S	Shock absorber (Front:LH) <Remote controlled variable shock absorber>	A-39	4A-306	2A-9, 13, 17, 21, 25, 29, 33, 37
	Shock absorber (Front:RH) <Remote controlled variable shock absorber>	A-53	4A-306	2A-8, 12, 16, 20, 24, 28, 32, 36
	Shock absorber (Rear:LH) <Remote controlled variable shock absorber>	G-16	4A-306	2A-58
	Shock absorber (Rear:RH) <Remote controlled variable shock absorber>	G-02	4A-307	2A-58
	Side turn signal lamp (LH)	A-17	4A-137	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Side turn signal lamp (RH)	A-02	4A-137	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
	Solenoid assembly <V4AW3>	B-11	4A-9, 99	2A-41
	Solenoid valve A <Super select 4WD>	A-60	4A-304	2A-8, 12, 16, 20, 24, 28, 32, 36

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	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
S	Solenoid valve B <Super select 4WD>	A-61	4A-304	2A-8, 12, 16, 20, 24, 28, 32, 36
	Speed sensor (Front:LH) <ABS>	A-38	4A-309	2A-9, 13, 17, 21, 25, 29, 33, 37
	Speed sensor (Front:RH) <ABS>	A-52	4A-309	2A-8, 12, 16, 20, 24, 28, 32, 36
	Speed sensor (Rear:LH) <ABS>	G-17	4A-309	2A-58
	Speed sensor (Rear:RH) <ABS>	G-01	4A-309	2A-58
	SRS diagnosis unit	C-48	4A-341, 343	2A-43, 44
		C-49	4A-341, 343	2A-43, 44
	Starter	A-05	4A-22, 23, 24, 290, 314, 322	2A-5, 8, 12, 16, 20, 25, 29, 33, 37
		A-06	4A-22, 23, 24, 314, 322	2A-5, 8, 12, 16, 20, 25,29, 33, 37
	Starter relay	A-10	4A-24	2A-25, 29, 33, 37
	Steering lock switch	C-59	4A-134, 135	2A-42, 45
	Stop lamp switch (2-pin) or no connection <Auto-cruise control>	C-62	4A-139, 310	2A-42, 45
	Stop lamp switch (4-pin) <Auto-cruise control> or no connection	C-63	4A-139, 310, 313, 317, 321, 325	2A-42, 45
	Sunroof assembly	E-05	4A-296	2A-52, 53
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WORKSHOP MANUAL ELECTRICAL WIRING

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〈1994 models〉			
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2A-WIRING HARNESS CONFIGURATION DIAGRAMS			
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MITSUBISHI PAJERO

ELECTRICAL WIRING

FOREWORD

This Electrical Wiring Manual contains information necessary for inspection and servicing of electrical wiring in the Mitsubishi PAJERO edited in the form of wiring harness configuration diagrams and function-separated circuit diagrams.
It is recommended that all service mechanics engaged in the servicing of the vehicle refer to the following publications as well as this manual.

TECHNICAL INFORMATION MANUAL	PYJE9002
WORKSHOP MANUAL	PWJE9086 (Loose-leaf edition)
WORKSHOP MANUAL Engine Group	PWEE□□□□ (Loose-leaf edition)
PARTS CATALOGUE	B6035604A□

All information, illustrations and product descriptions contained in this manual are current as of time of publication. We, however, reserve the right to make changes at any time without prior notice or obligation.

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HOW TO READ THE WIRING DIAGRAMS 1

WIRING HARNESS CONFIGURATION DIAGRAMS 2

SINGLE PART INSTALLATION POSITION 3

CIRCUIT DIAGRAM 4

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HOW TO USE THIS MANUAL

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The preceding page contains GROUP INDEX which lists the group title and group number.

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OPERATION AND TROUBLESHOOTING HINTS

In the GROUP 4 circuit diagrams, the operation and troubleshooting hints are given on the previous page or following page for each circuit where necessary.

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1 HOW TO READ THE WIRING DIAGRAMS

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MODEL

‹2-DOOR MODELS›

Model code		Body style	Engine model	Transmission model	Fuel supply system
V21C	NSEL6	Canvas top	4G64 [2351 cm³, (143.5 cu.in.)]	V5M21 (5M/T)	MPI
V24C	NSFL6	Canvas top	4D56 [2477 cm³, (151.2 cu.in,)] with turbocharger and intercooler	V5MT1 (5M/T)	Injection
V23C	GRHEL6	Canvas top with wide fender	6G72 [2972 cm³, (181.3 cu.in.)]	V4AW2 (4A/T)	MPI
V21W	NHEL6	Wagon	4G64 [2351 cm³, (143.5 cu.in.)]	V5M21 (5M/T)	MPI
V24W	NAFL6	Wagon	4D56 [2477 cm³, (151.2 cu.in.)] with turbocharger and intercooler	V5MT1 (5M/T)	Injection
	NBFL6				
	NDFL6				
	NHFL6/R6				
V24WG	NCFL6	Wagon with wide fender			
	NXFL6/R6				
V23W	GNXEL6/R6		6G72 [2972 cm³, (181.3 cu.in.)]		MPI
	GRXEL6/R6			V4AW2 (4A/T)	

‹4-DOOR MODELS›

Model code		Body style	Engine model	Transmission model	Fuel supply system
V41W	NHEL6	Wagon	4G64 [2351 cm³, (143.5 cu.in.)]	V5M21 (5M/T)	MPI
V44W	NDFL6	Wagon	4D56 [2477 cm³, (151.2 cu.in.)] with turbocharger and intercooler	V5MT1 (5M/T)	Injection
	NDFCL6	Wagon without 3rd seat row			
	NHFL6/R6	Wagon			
	RHFL6/R6			V4AW2 (4A/T)	
V44WG	NXFL6/R6	Wagon with wide fender		V5MT1 (5M/T)	
	RXFL6/R6			V4AW2 (4A/T)	
	NXFCL6	Wagon with wide fender, without 3rd seat row		V5MT1 (5M/T)	
	RXFCL6			V4AW2 (4A/T)	
V43W	GNXEL6/R6	Wagon with wide fender	6G72 [2972 cm³, (181.3 cu.in.)]	V5MT1 (5M/T)	MPI
	GRXEL6/R6			V4AW2 (4A/T)	
	GNXECL6	Wagon with wide fender, without 3rd seat row		V5MT1 (5M/T)	
	GRXECL6			V4AW2 (4A/T)	

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COMPOSITION AND CONTENTS OF WIRING DIAGRAMS

This manual consists of wiring harness diagrams, installation locations of individual parts, circuit diagrams and wiring diagram.

Section	Basic contents
Wiring harness configuration diagrams	Connector locations and harness wiring configurations on actual vehicles are illustrated.
Single part installation position	Locations are shown for earth points of relays, control units, sensors, diodes, check terminals, spare terminals, fusible links, fuses, etc. In the parts lists, parts are listed in alphabetical order.
Circuit diagrams	Circuits from power supply to earth are shown completely, classified according to system. There is a main division into power circuits, and circuits classified by system. The circuits classified by system also include operation and troubleshooting hints. • Power supply circuits Circuits from the battery to fusible link, dedicated fuses, ignition switch, general purpose fuses, etc. • Circuits classified by system For each system, the circuits are shown from fuse to earth, excluding the power supply sections. • Operation The normal operation of each system is briefly described, following the route of current flow. • Troubleshooting hints This is a brief explanation of the inspection points that serve as hints when troubleshooting. Explanations of the circuits controlled by the electronic control unit are omitted. Refer to the related publications as required. • Junction block Here is the circuit for the entire junction block since only the part of the junction block needed is normally show in each circuit diagram.
Wiring diagram	All the harnesses and connectors are shown together so that the circuit diagrams and wiring harnesses of the entire vehicle can be seen at a glance.

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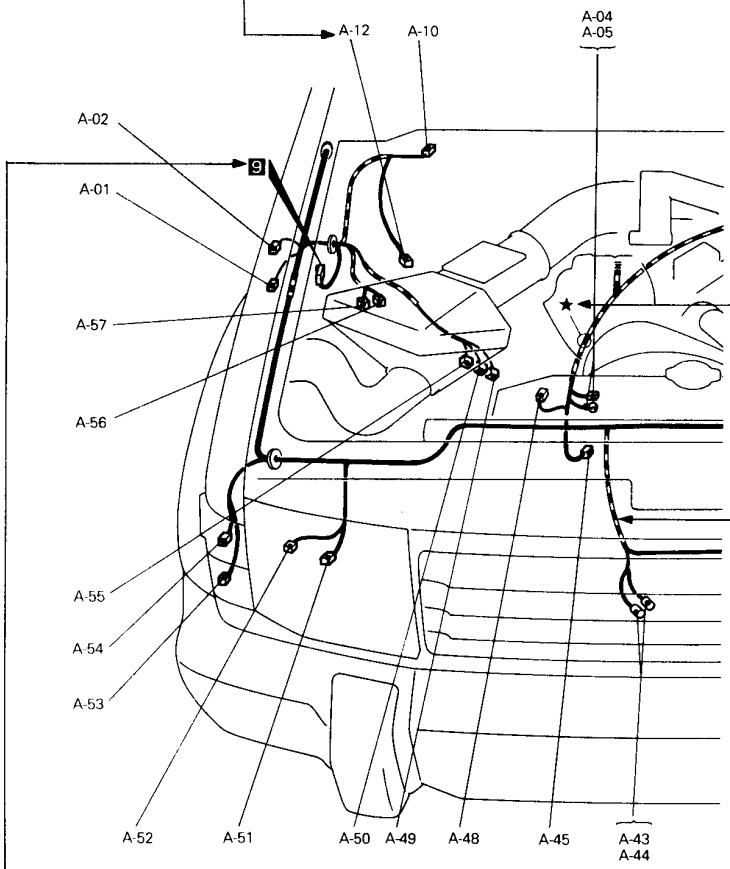
HOW TO READ CONFIGURATION DIAGRAMS

The wiring harness diagrams clearly show the connector locations and harness routings at each site in actual vehicles.

Denotes connector No.
The same connector No. is used throughout the circuit diagrams to facilitate connector location searches.
The first alphabetical symbol indicates the location site of the connector and a number that follows is the unique number. Numbers are assigned to parts in clockwise order on the diagram.
When the connectors are centralized in one place, the connector colors are shown for easy identification.

Example: A-12 (black)
- Connector colour
- Number specific to connector (serial number)
- Connector location site symbol
  - A: Engine compartment
  - B: Transmission
  - C: Dash panel
  - D: Instrument panel and floor console
  - E: Floor and roof
  - F: Door
  - G: Back door and rear under floor

The mark ★ shows the standard mounting position of wiring harness.



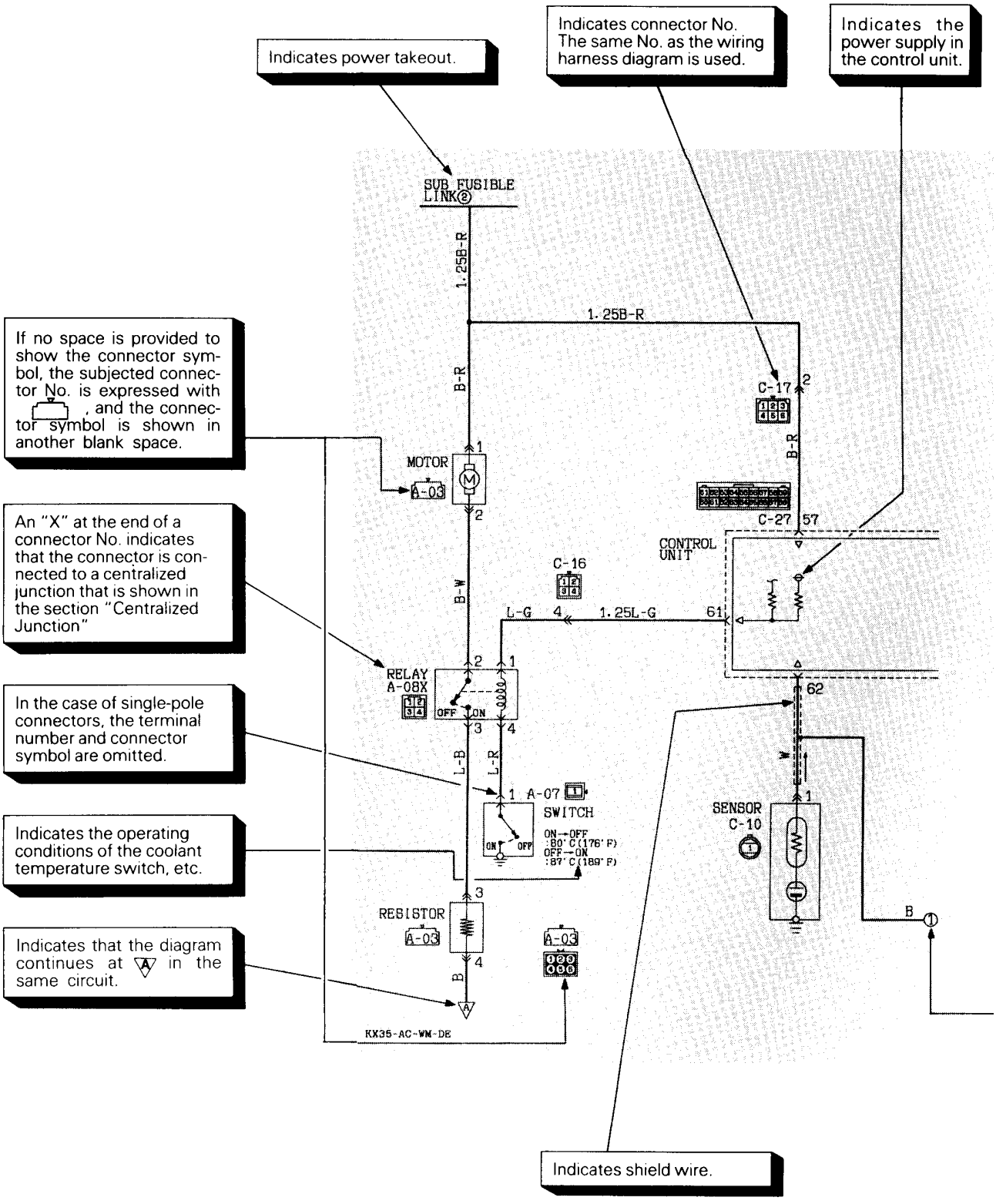
Denotes earth point.
Same earth number is used throughout circuit diagrams to facilitate search of earth point. Refer to GROUP 3 SINGLE PART INSTALLATION POSITION-EARTH MOUNTING LOCATIONS for details of earth points.

Denotes a section covered by a corrugated tube.

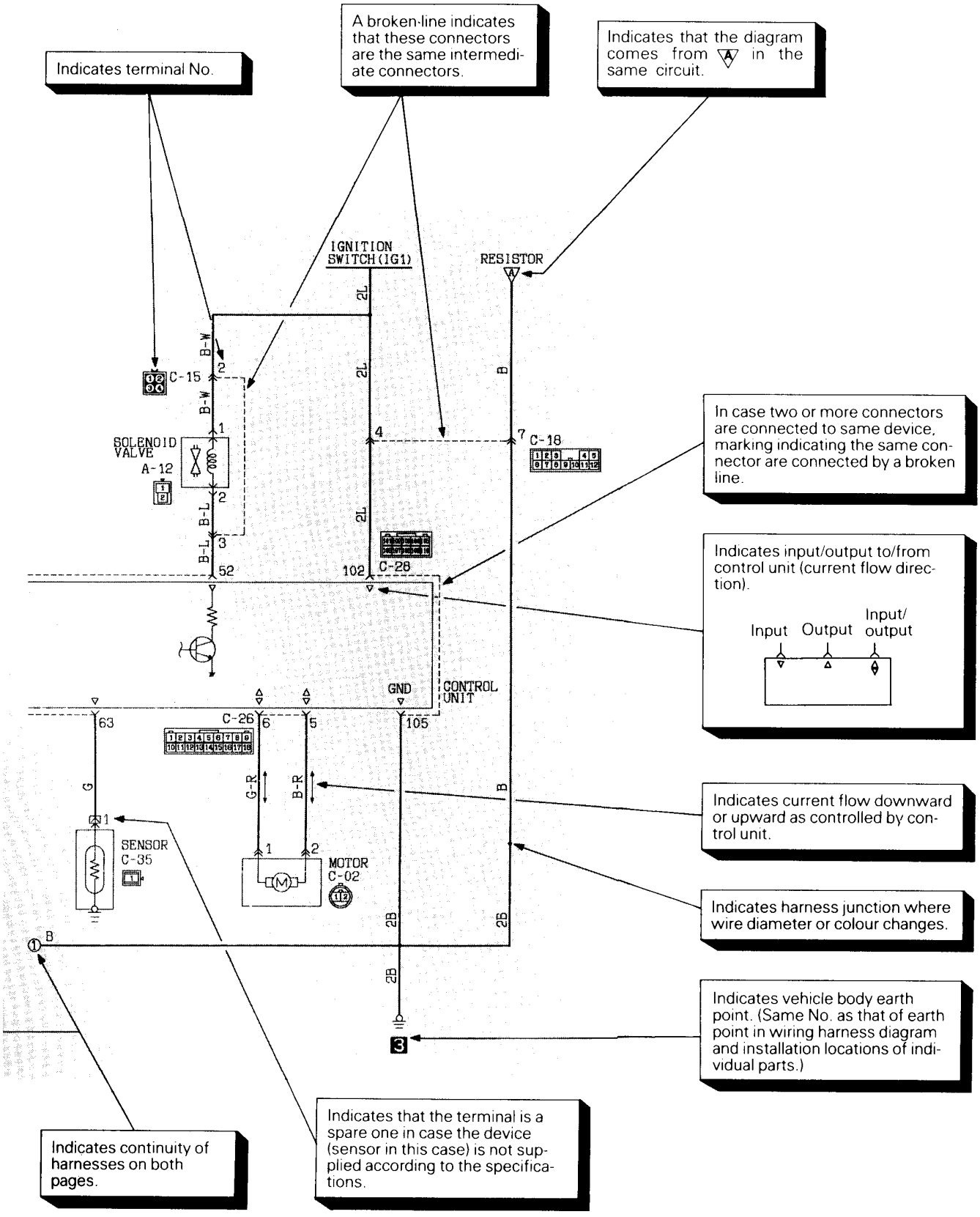
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HOW TO READ CIRCUIT DIAGRAMS

The circuit of each system from fuse (or fusible link) to earth is shown. The power supply is shown at the top and the earth at the bottom to facilitate understanding of the current flow.

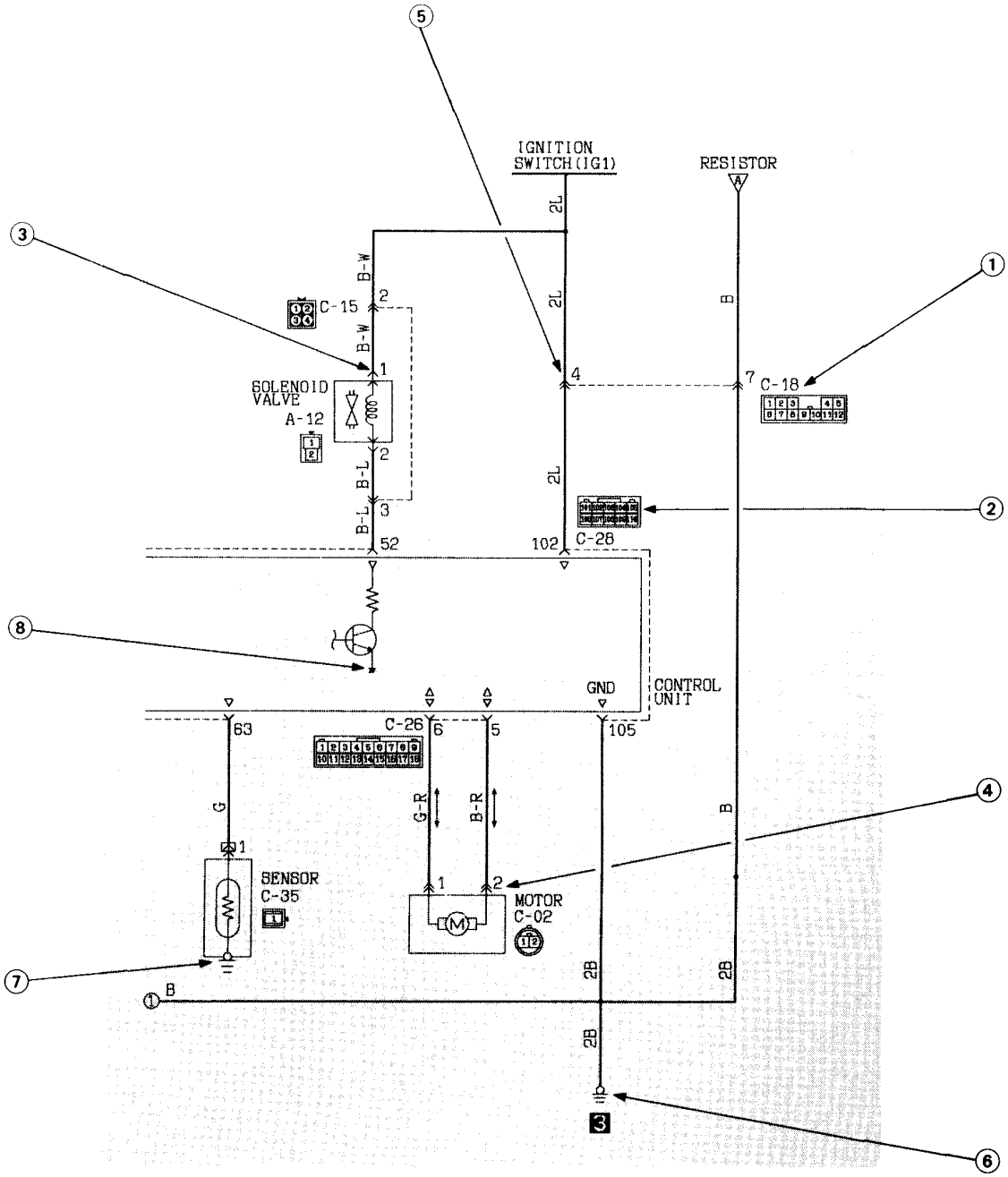


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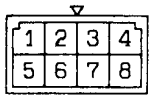
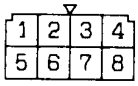
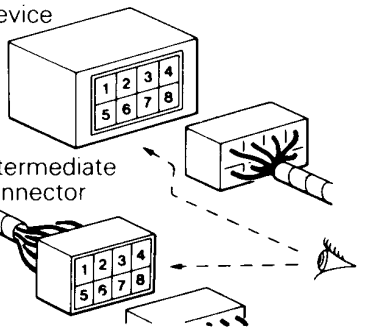
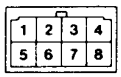
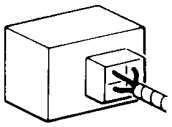
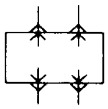
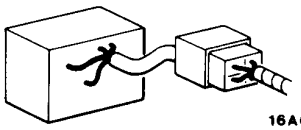
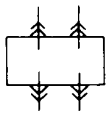
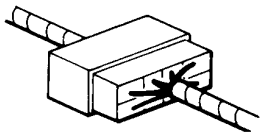
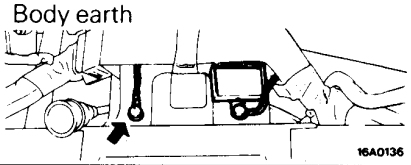
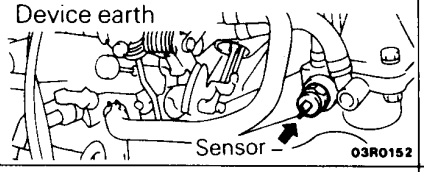
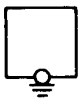
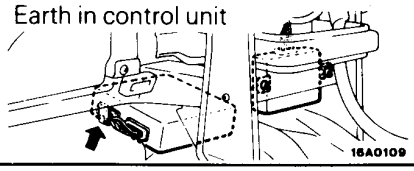
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MARKINGS FOR CONNECTOR EARTHING



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	No	Item	Symbol	Contents
Connector marking	①	Male 		Double connector contour lines indicate male connector terminals and single contour line indicates female terminals as illustrated here.
	–	Female 		
Connector symbol marking	②	Device 		The symbol indicates the connector as viewed from illustrated direction. At the connection with a device, the connector symbol on the device side is shown, and for an intermediate connector, male connector symbol is shown.
Connector connection marking	③	Direct connection type 		A connection between a device and connector on the harness side is either by direct insertion in the device (direct connection type) or by connection with a harness connector on the device side furnished (harness connection type). The two types are indicated as illustrated.
	④	Harness connection type 		
	⑤	Intermediate connector 		
Earth markings	⑥	Body earth 		Earth is either by body earth, device earth or control unit interior earth. These are indicated as illustrated.
	⑦	Device earth 		
	⑧	Earth in control unit 		

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SYMBOLIC MARKS

Devices appearing in circuit diagrams are indicated by the following symbols.

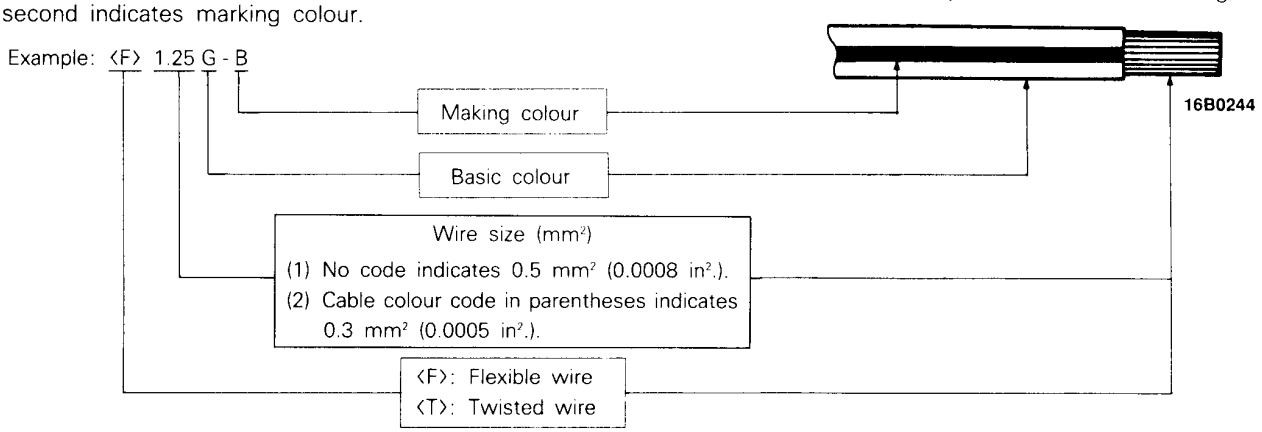
Battery	Body earth	Single bulb	Resistor	Diode	Capacitor
Fuse	Equipment earth	Dual bulb	Variable resistor	Zener diode	Crossing of wires without connection
Fusible link	ECU interior earth	Speaker	Coil	Transistor	Crossing of wires with connection
Connector (Female side / Male side)	Motor	Horn	Pulse generator	Buzzer	Chime
Thyristor	Piezoelectric device	Thermistor	Light emitting diode	Photo diode	Photo transistor

WIRE COLOUR CODES

Wire colours are identified by the following colour codes.

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

NOTE
If a cable has two colours, the first of the two colour code characters indicates the basic colour (colour of the cable coating) and the second indicates marking colour.



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ABBREVIATION SYMBOLS

The abbreviation symbols used in wiring diagrams are defined below.

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
PETROL	Petrol-powered vehicles	M/T	Manual transmission
DIESEL	Diesel-powered vehicles	LHD	L.H. drive vehicles
MPI	Multi-point injection	RHD	R.H. drive vehicles
4G64	4G64 engine	ABS	Anti-skid brake system
6G72	6G72 engine	DRL	Daytime running lamp
4D56	4D56 engine	GND	Earth
A/C	Air conditioner	ILL	Illumination lamp
A/T	Automatic transmission	IND	Indicator lamp
		J/B	Junction block

Abbreviation symbols used for combination meters

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
ABS	Anti-skid brake system warning lamp	HAZARD	Hazard warning indicator lamp
BEAM	Upper bean indicator lamp	OIL	Oil pressure warning lamp
BRAKE	Brake warning lamp	OIL LEVEL	Low engine oil warning lamp
C/D LOCK	Center differential lock indicator lamp	R/D LOCK	Rear differential lock indicator lamp
CHECK ENGINE	Check engine warning lamp	REED	Reed switch
CHG	Charging warning lamp	TACHO	Tachometer
DOOR	Door-ajar warning lamp	T/GA	Engine coolant temperature gauge
F/GA	Fuel gauge	TURN (LH)	Turn signal indicator lamp (L.H.)
FILTER	Fuel filter warning lamp	TURN (RH)	Turn signal indicator lamp (R.H.)
FUEL	Low fuel warning lamp	WASHER	Low washer fruid warning lamp

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Abbreviation symbols used for switches and relays

Name of switches and relays	Abbreviation symbol	Operation
Ignition switch	ACC	When turned to the ACC (ACCESSORY) or ON position, the power circuit starts functioning.
	IG1	Even when at the ST (START) position, the power circuit starts functioning.
	IG2	When at the ST (START) position, the power circuit does not starts functioning.
Dimmer passing switch	LO	Low beams ON
	HI	High beams ON
Lighting switch	TAIL	Position, tail, licence-plate and instrument panel lamps ON
	HEAD	Headlamps ON
Room lamp switch	DOOR	Room lamp ON when a door is open
Turn signal switch	LH	L.H. turn signal lamps ON
	RH	R.H. turn signal lamps ON
Power window switch	UP	Window closed
	DOWN	Window opened
Door lock actuator	LOCK	Door locked
	UNLOCK	Door unlocked
Door key cylinder switch	LOCK	Door locked
	UNLOCK	Door unlocked
Blower switch	LO	Blower operates at low speed
	ML	Blower operates at medium speed
	MH	Blower operates at medium high speed
	HI	Blower operates at high speed
Rear heater control switch or Rear A/C control switch	LO	Rear blower operates at low speed
	M	Rear blower operates at medium speed
	HI	Rear blower operates at high speed
Air conditioner switch	ECONO	1st position (economical operation)
	A/C	2nd position (full load operation)
Wiper switch	LO	Wipers operate at low speed
	HI	Wipers operate at high speed
	INT	Wipers operate intermittently
RH/LH CHANGE-OVER SWITCH	LH	L.H. mirror operates
	RH	R.H. mirror operates
Sunroof switch	OPEN	Sunroof slides open
	CLOSE	Sunroof slides to close
Variable shock absorber control switch	S	Sets the shock absorbers to SOFT mode
	M	Sets the shock absorbers to MEDIUM mode
	H	Sets the shock absorbers to HARD mode
Rear differential lock switch	LOCK	Rear differential locked
	UNLOCK	Rear differential unlocked
Heated seat switch	LO	Normal heating
	HI	Rapid heating
Others	ON	Switched on
	OFF	Switched off

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2 WIRING HARNESS CONFIGURATION DIAGRAMS

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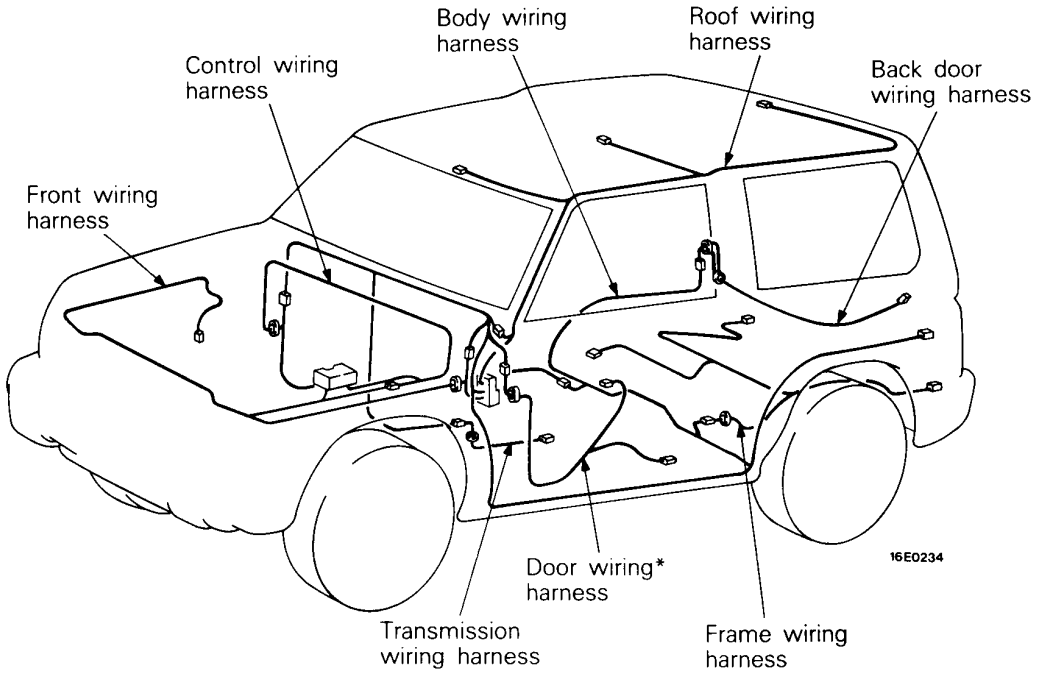
8 BACK DOOR AND REAR UNDER FLOOR G 2-42

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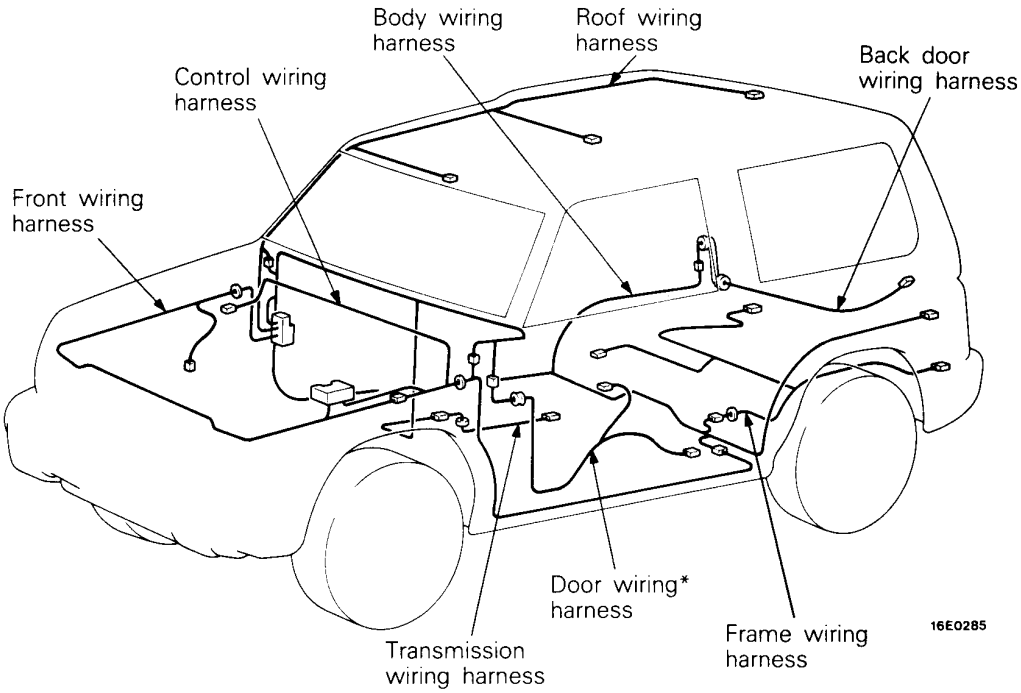
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1 OVERALL WIRING DIAGRAM

1-1 2-door models 〈L.H. drive vehicles〉



1-2 2-door models 〈R.H. drive vehicles〉

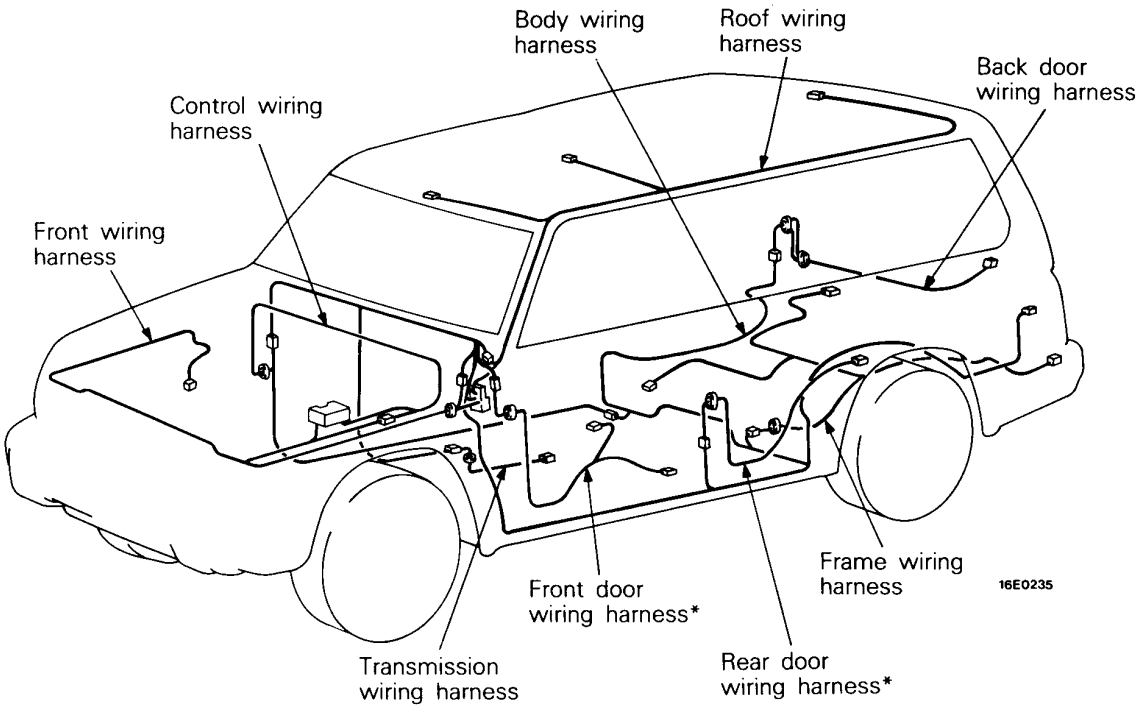


NOTE
(1) This illustration shows only the major wiring harness.
(2) * indicates also equipped at the right side.

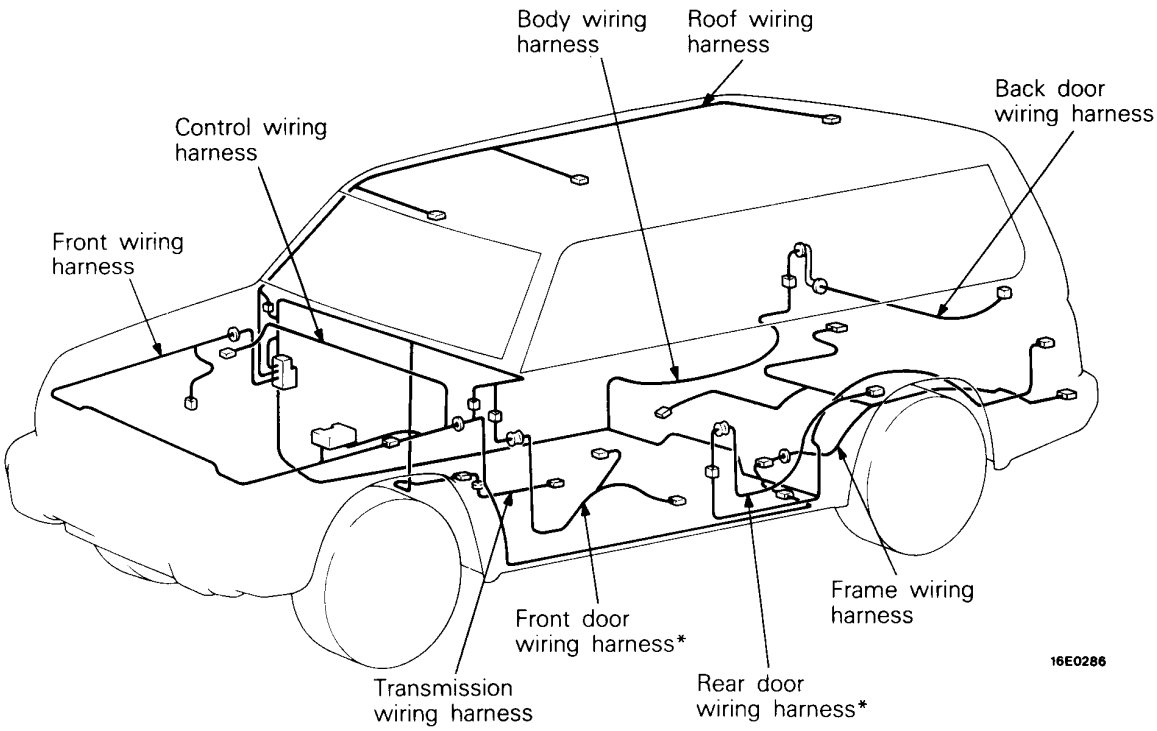
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1-3 4-door models <L.H. drive vehicles>



1-4 4-door models <R.H. drive vehicles>



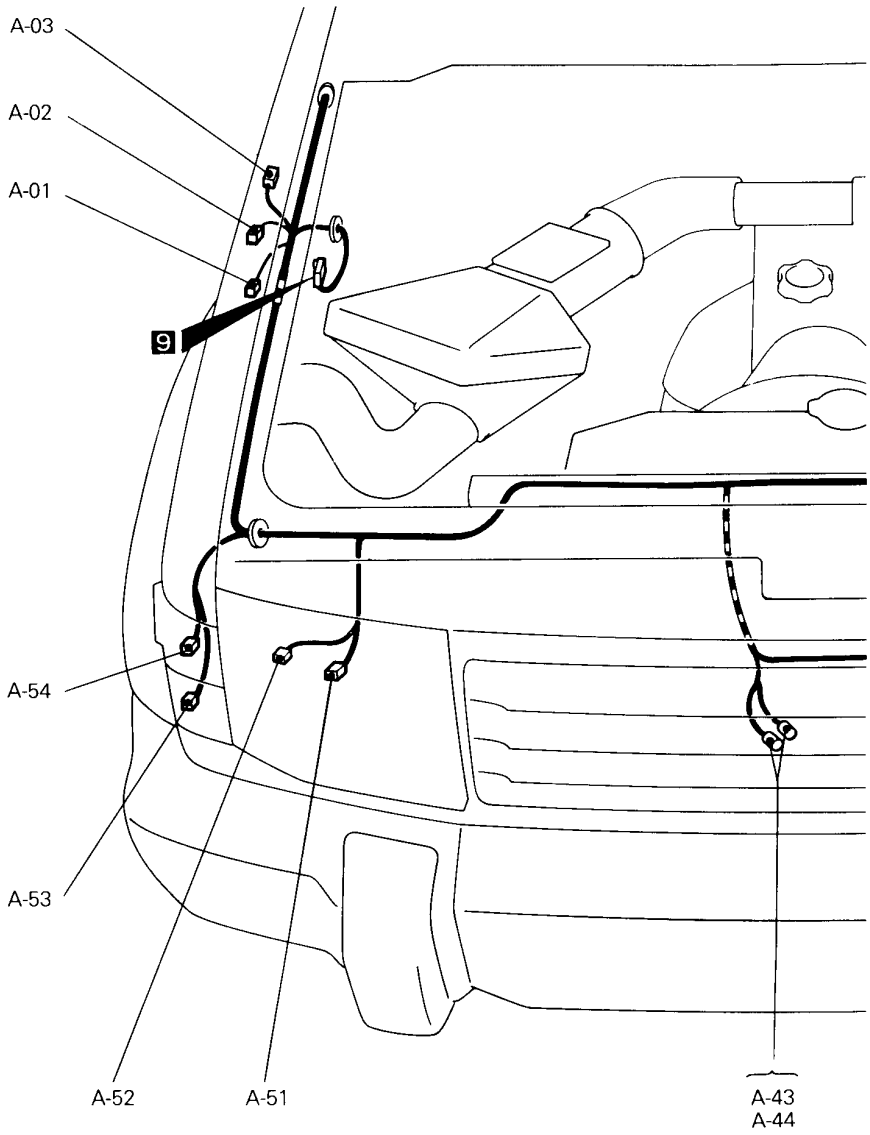
NOTE
(1) This illustration shows only the major wiring harness.
(2) * indicates also equipped at the right side.

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2 ENGINE COMPARTMENT

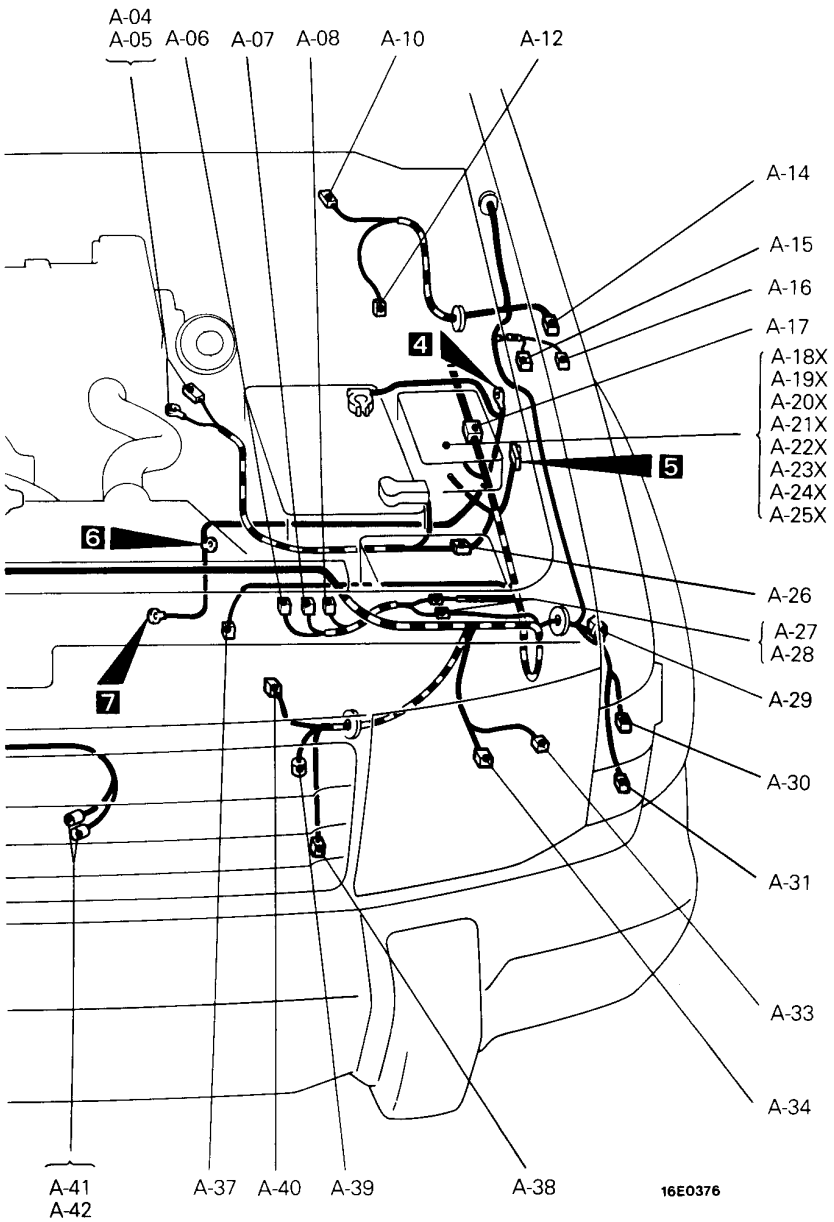
2-1 Vehicles with 4G64 engine

Connector symbol
A -01 thru -57



A-01	Headlamp washer tank assembly
A-02	Side turn signal lamp (RH)
A-03	Motor antenna
A-04, A-05	Starter
A-06	Daytime running lamp relay 2
A-07	Daytime running lamp relay 1
A-08	Daytime running lamp control unit
A-09	—
A-10	Windshield wiper motor
A-11	—
A-12	Brake fluid level switch
A-13	—
A-14	Side turn signal lamp (LH)
A-15	Windshield washer motor
A-16	No connection
A-17	Control wiring harness and front wiring harness combination
A-18X thru A-25X	Refer to centralized junction
A-26	Battery cable and front wiring harness combination
A-27, A-28	Daytime running lamp harness and front wiring harness combination
A-29	Jumper connector

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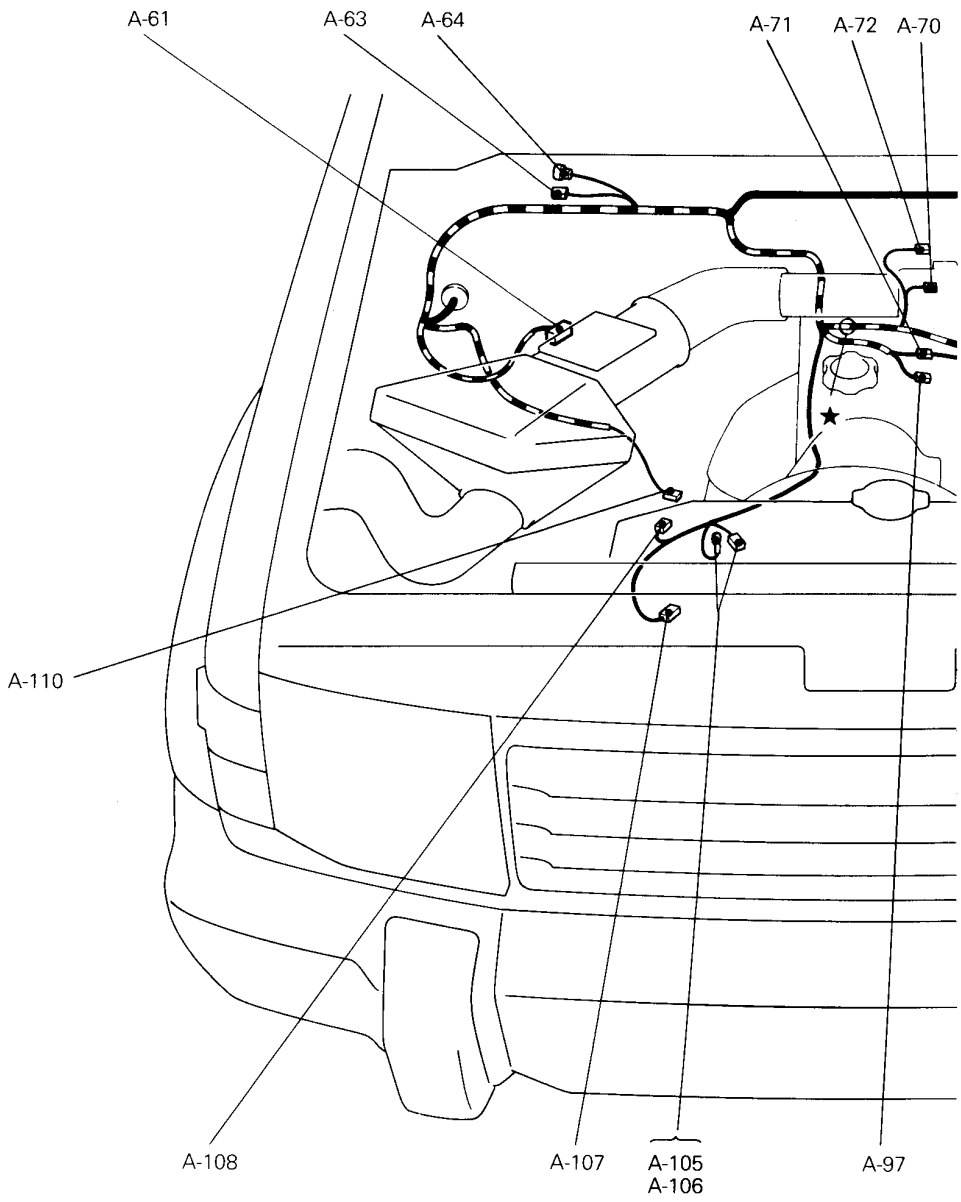


A-30, A-31	Front combination lamp (LH)
A-32	—
A-33	Headlamp leveling unit (LH)
A-34	Headlamp (LH)
A-35	—
A-36	—
A-37	Magnetic clutch <A/C>
A-38	Thermo sensor (Out side air) <Multi-meter>
A-39	Dual pressure switch
A-40	Condenser fan motor
A-41, A-42	Horn (LO)
A-43, A-44	Horn (HI)
A-45 thru A-50	—
A-51	Headlamp (RH)
A-52	Headlamp leveling unit (RH)
A-53, A-54	Front combination lamp (RH)
A-55	—
A-56	—
A-57	—

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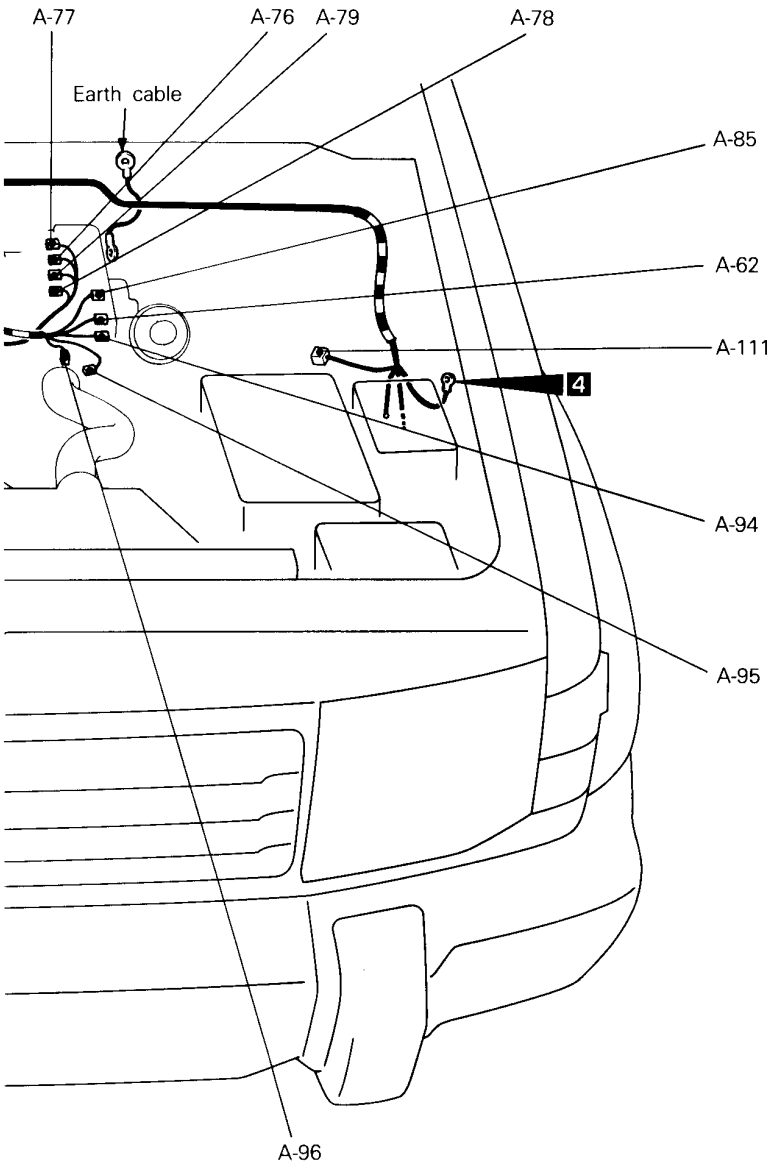
2-1 Vehicles with 4G64 engine

Connector symbol **A** -58 thru -111



A-58	—
A-59	—
A-60	—
A-61	Air flow sensor
A-62	Power transistor
A-63	Fuel pump check connector
A-64	Ignition timing adjustment connector
A-65	—
A-66	—
A-67, A-68	Noise filter
A-69	—
A-70	Throttle position sensor
A-71	Injector wiring harness and control wiring harness combination
A-72	Idle speed control actuator
A-73	—
A-74	—
A-75	—
A-76	Injector No. 3
A-77	Injector No. 4
A-78	Injector No. 1
A-79	Injector No. 2

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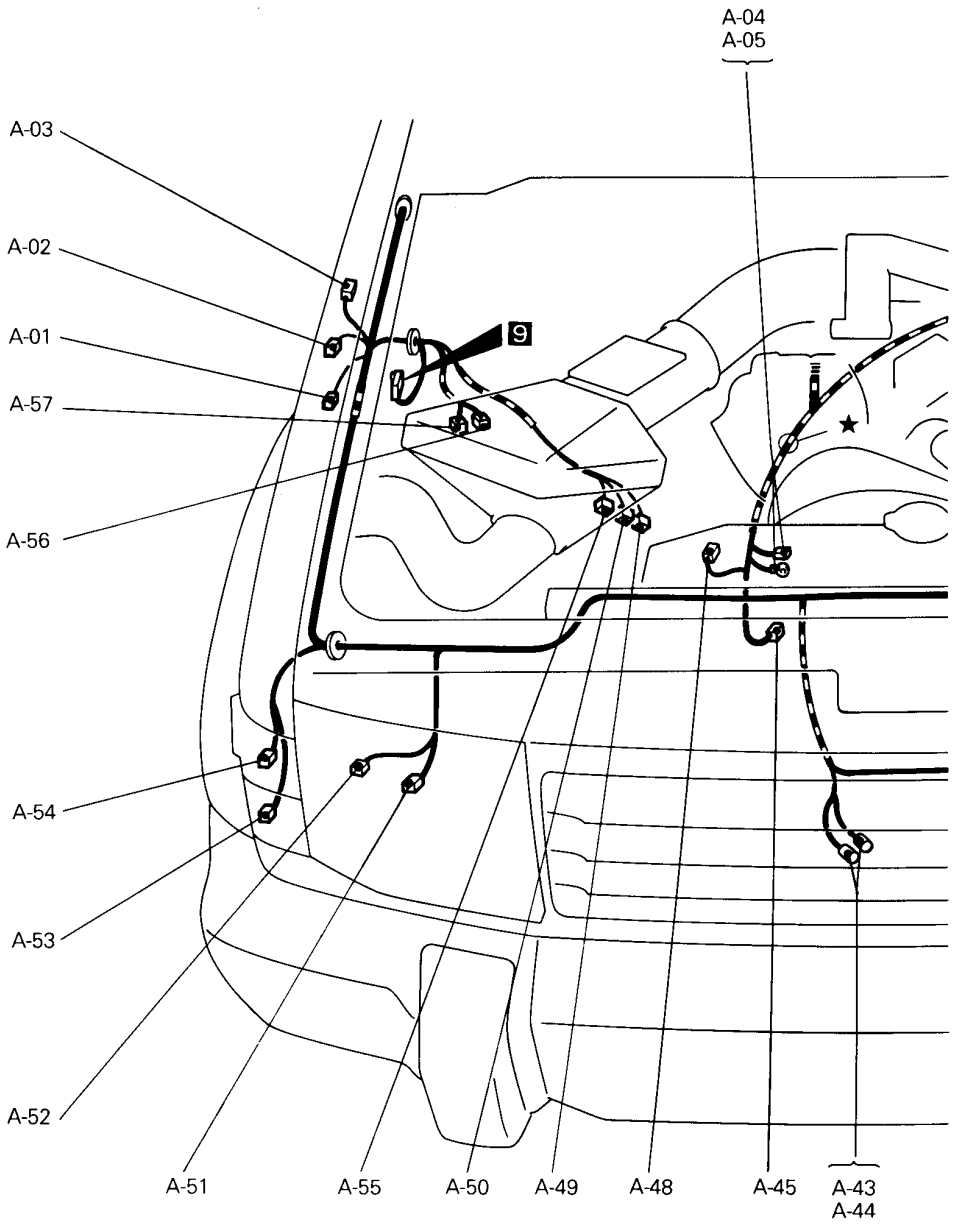
16E0377

A-80 thru A-84	—	A-97	Distributor signal generator
A-85	Ignition coil	A-98 thru A-104	—
A-86 thru A-93	—	A-105 A-106	Alternator
A-94	Engine coolant temperature switch (for A/C compressor control)	A-107	Oil pressure switch
A-95	Engine coolant temperature gauge unit	A-108	Engine oil level sensor
A-96	Engine coolant temperature sensor	A-109	—
		A-110	Oxygen sensor
		A-111	Purge control solenoid valve

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2-2 L.H. drive vehicles with 6G72 engine

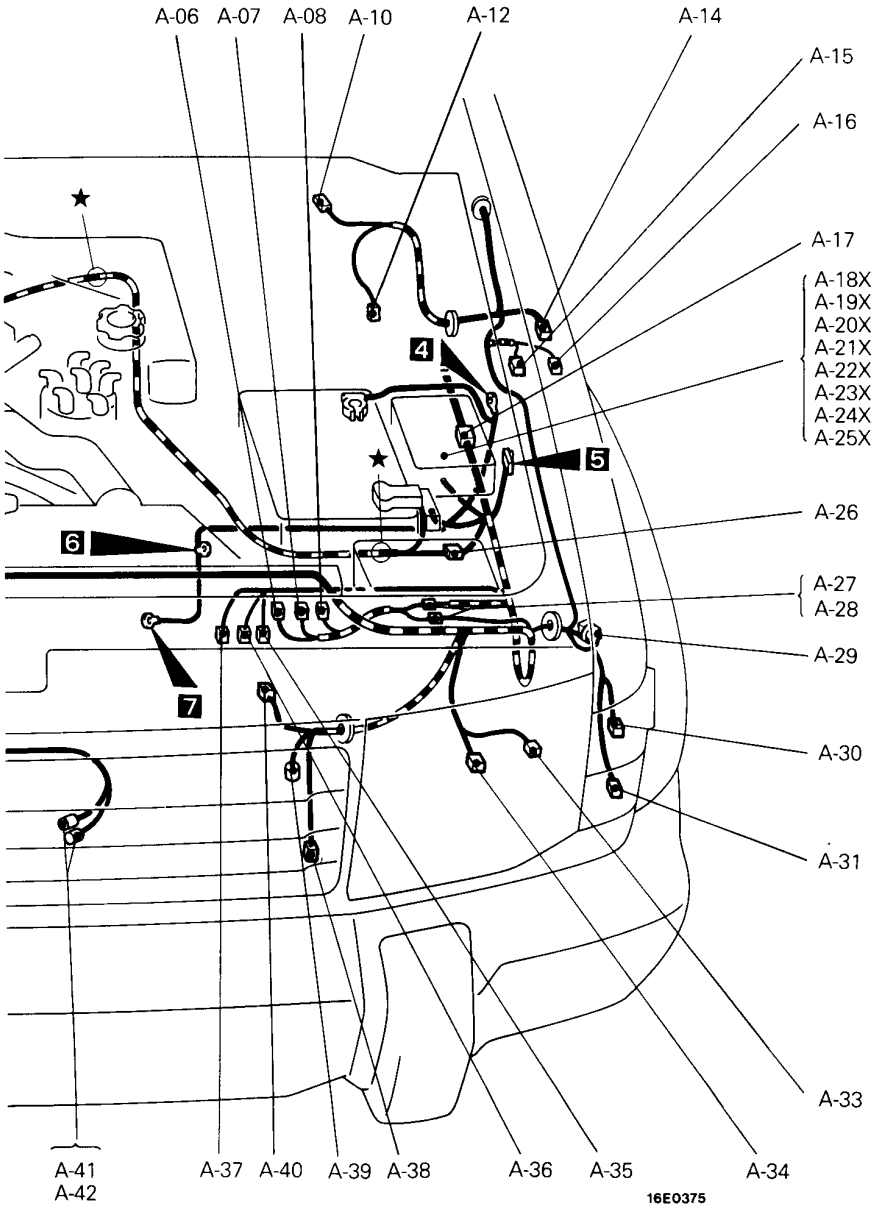
Connector symbol **A** -01 thru -57



A-01	Headlamp washer tank assembly
A-02	Side turn signal lamp (RH)
A-03	Motor antenna
A-04, A-05	Starter
A-06	Daytime running lamp relay 2
A-07	Daytime running lamp relay 1
A-08	Daytime running lamp control unit
A-09	—
A-10	Windshield wiper motor
A-11	—
A-12	Brake fluid level switch
A-13	—
A-14	Side turn signal lamp (LH)
A-15	Windshield washer motor
A-16	No connection
A-17	Control wiring harness and front wiring harness combination
A-18X thru A-25X	Refer to centralized junction
A-26	Battery cable and front wiring harness combination
A-27, A-28	Daytime running lamp harness and front wiring harness combination
A-29	Jumper connector
A-30, A-31	Front combination lamp (LH)
A-32	—

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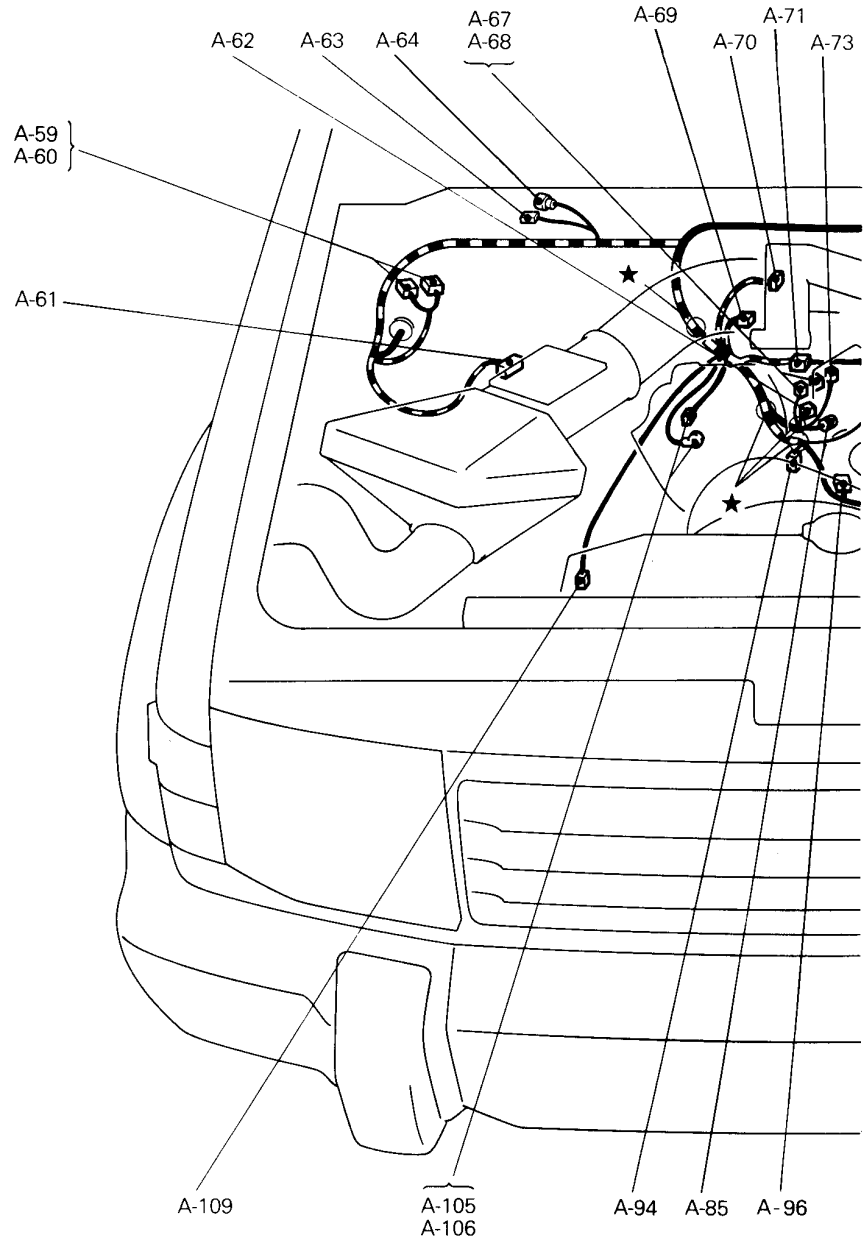


A-33	Headlamp leveling unit (LH)	A-46	—
A-34	Headlamp (LH)	A-47	—
A-35	Speed sensor (Front: LH) ‹ABS›	A-48	Engine oil level sensor
A-36	Shock absorber (Front: LH) ‹Remote controlled variable shock absorber›	A-49	Speed sensor (Front: RH) ‹ABS›
A-37	Magnetic clutch ‹A/C›	A-50	Shock absorber (Front: RH) ‹Remote controlled variable shock absorber›
A-38	Thermo sensor (Out side air) ‹Multi-meter›	A-51	Headlamp (RH)
A-39	Dual pressure switch	A-52	Headlamp leveling unit (RH)
A-40	Condenser fan motor	A-53, A-54	Front combination lamp (RH)
A-41, A-42	Horn (LO)	A-55	Free wheel engage switch
A-43, A-44	Horn (HI)	A-56	Solenoid valve A ‹Super select 4WD›
A-45	Oil pressure switch	A-57	Solenoid valve B ‹Super select 4WD›

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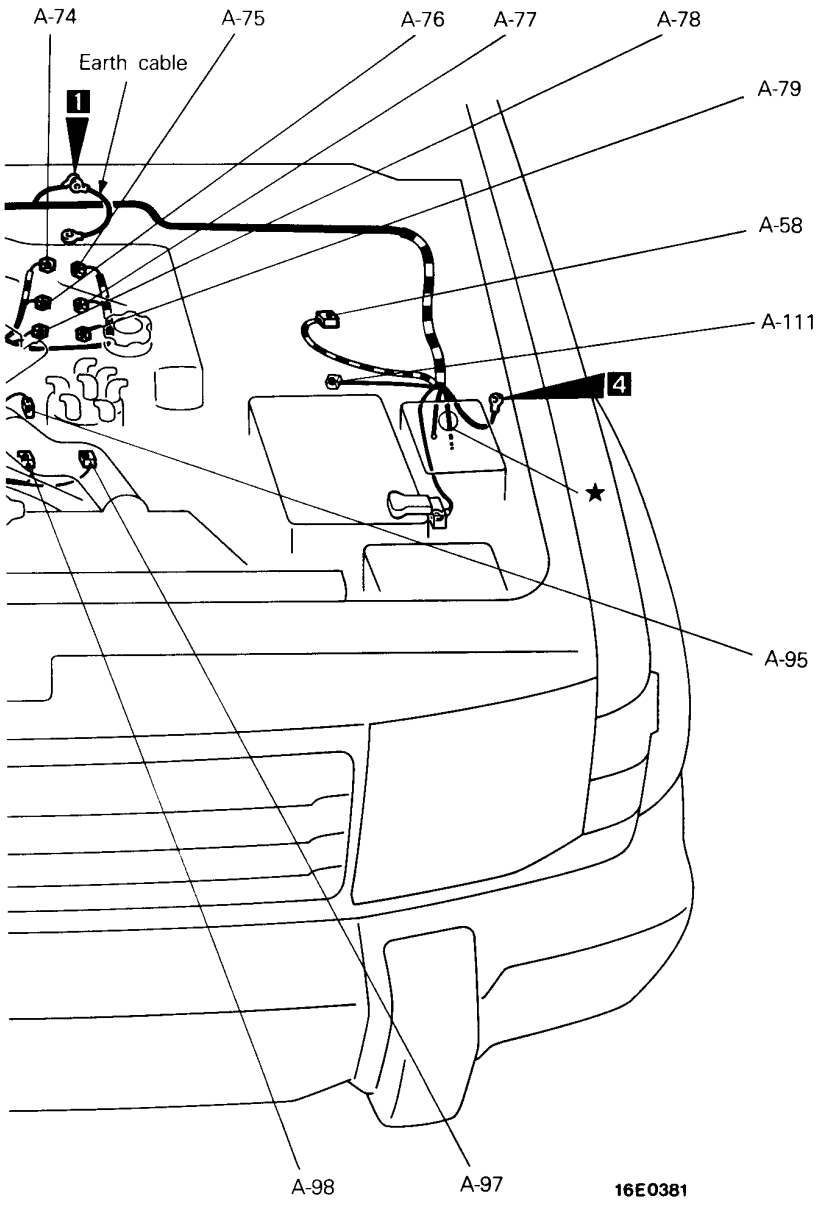
2-2 L.H. drive vehicles with 6G72 engine

Connector symbol **A** -58 thru -111



A-58	Auto-cruise control actuator
A-59, A-60	Hydraulic unit
A-61	Air flow sensor
A-62	Power transistor
A-63	Fuel pump check connector
A-64	Ignition timing adjustment connector
A-65	—
A-66	—
A-67, A-68	Noise filter
A-69	Idle speed control servo
A-70	Throttle position sensor
A-71	Injector wiring harness and control wiring harness combination
A-72	—
A-73	Capacitor
A-74	Injector No. 5
A-75	Injector No. 6
A-76	Injector No. 3
A-77	Injector No. 4
A-78	Injector No. 1

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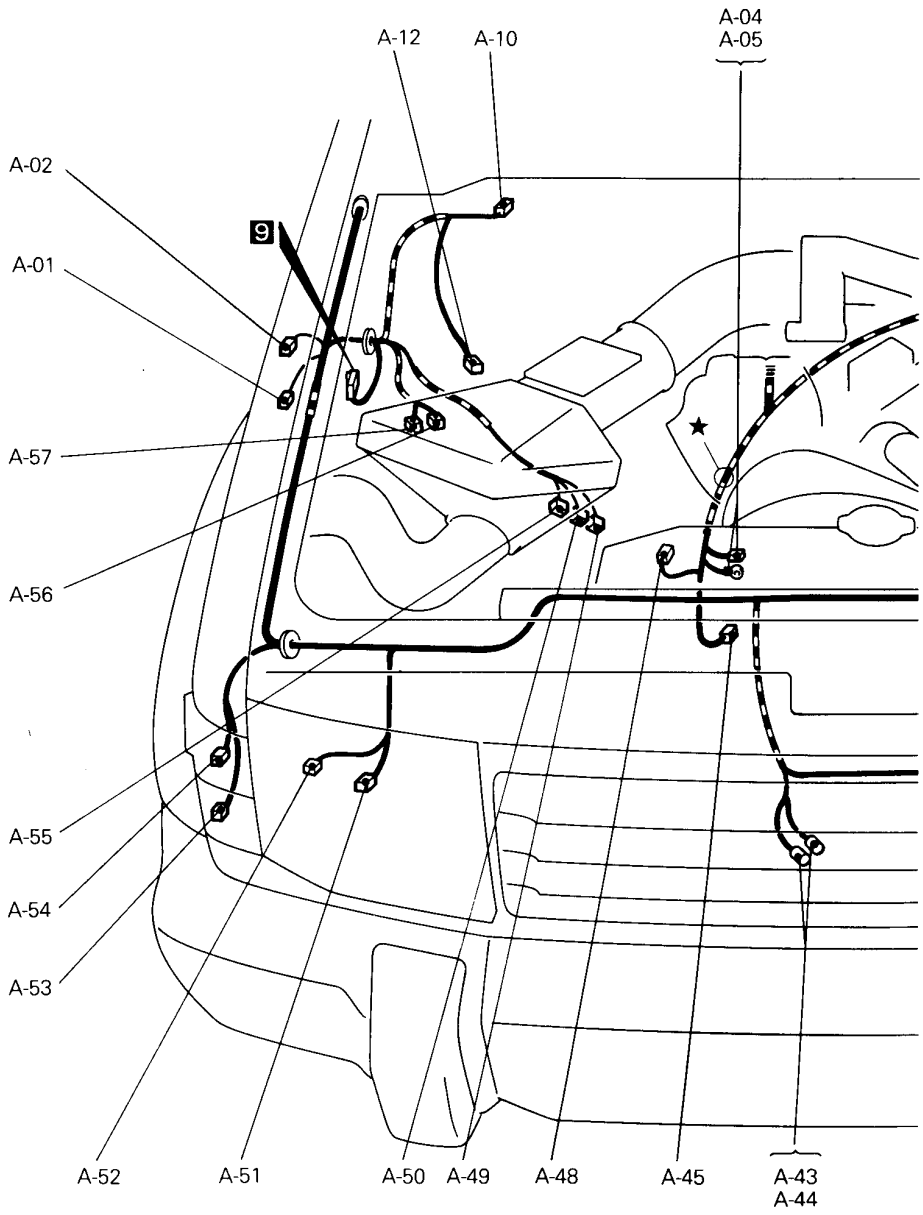


A-79	Injector No. 2	A-97	Distributor signal generator
A-80 thru A-84	—	A-98	Engine coolant temperature switch <A/T>
A-85	Ignition coil	A-99 thru A-104	—
A-86 thru A-93	—	A-105, A-106	Alternator
A-94	Engine coolant temperature switch (for A/C compressor control)	A-107	—
A-95	Engine coolant temperature gauge unit	A-108	—
A-96	Engine coolant temperature sensor	A-109	Power steering oil pressure switch <A/T>
		A-110	—
		A-111	Purge control solenoid valve

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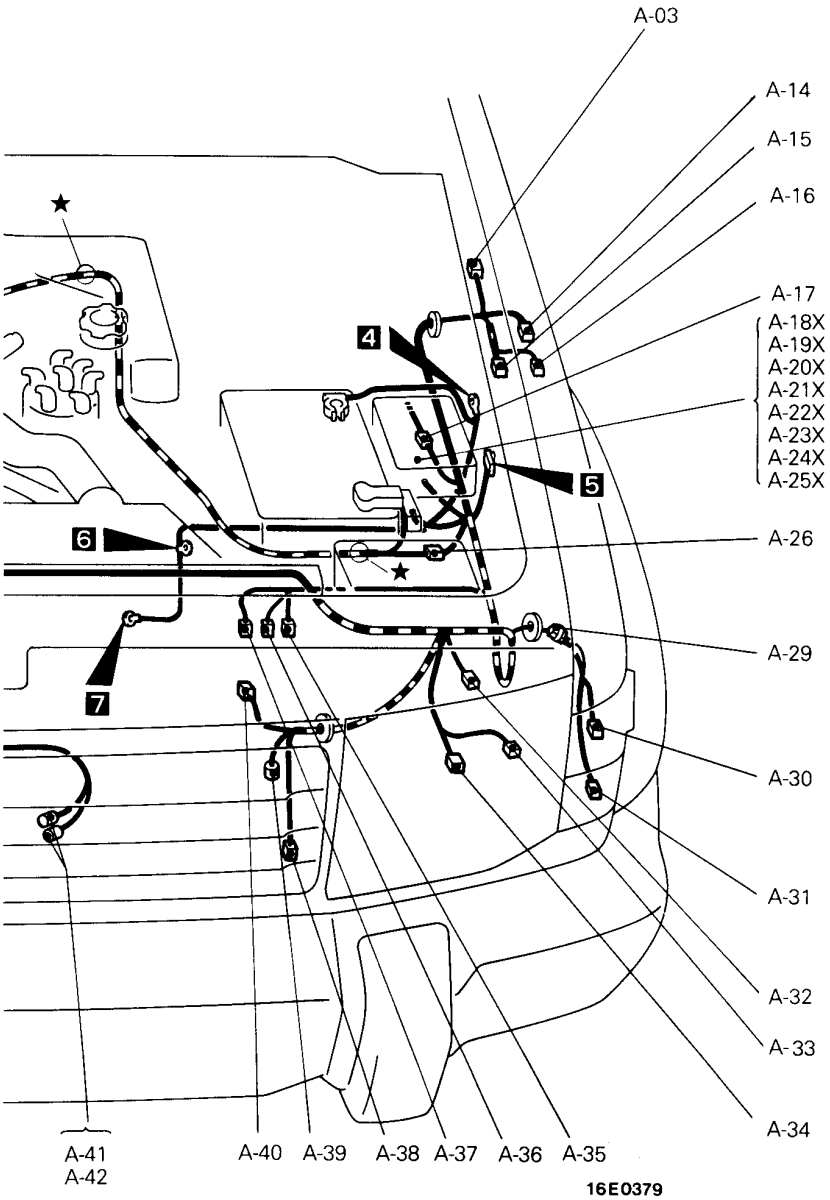
2-3 R.H. drive vehicles with 6G72 engine

Connector symbol **A** -01 thru -57



A-01	Headlamp washer tank assembly
A-02	Side turn signal lamp (RH)
A-03	Motor antenna
A-04, A-05	Starter
A-06 thru A-09	—
A-10	Windshield wiper motor
A-11	—
A-12	Brake fluid level switch
A-13	—
A-14	Side turn signal lamp (LH)
A-15	Windshield washer motor
A-16	No connection
A-17	Control wiring harness and front wiring harness combination
A-18X thru A-25X	Refer to centralized junction
A-26	Battery cable and front wiring harness combination
A-27	—
A-28	—
A-29	Jumper connector
A-30, A-31	Front combination lamp (LH)
A-32	Resistor <DIM-DIP lamp>

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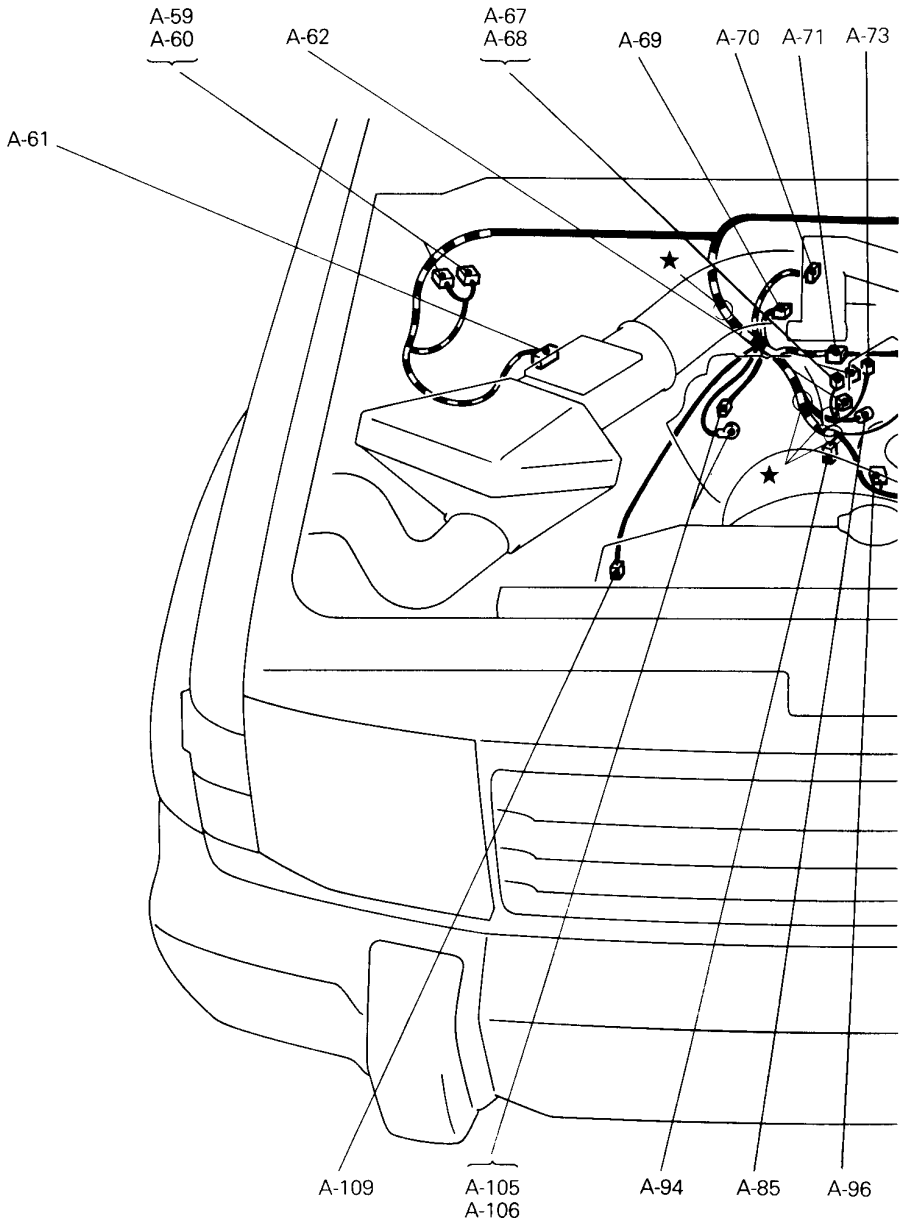


A-33	Headlamp leveling unit (LH)	A-46	—
A-34	Headlamp (LH)	A-47	—
A-35	Speed sensor (Front: LH) <ABS>	A-48	Engine oil level sensor
A-36	Shock absorber (Front: LH) <Remote controlled variable shock absorber>	A-49	Speed sensor (Front: RH) <ABS>
		A-50	Shock absorber (Front: RH) <Remote controlled variable shock absorber>
A-37	Magnetic clutch <A/C>		
A-38	Thermo sensor (Out side air) <Multi-meter>	A-51	Headlamp (RH)
A-39	Dual pressure switch	A-52	Headlamp leveling unit (RH)
A-40	Condenser fan motor	A-53, A-54	Front combination lamp (RH)
A-41, A-42	Horn (LO)	A-55	Free wheel engage switch
A-43, A-44	Horn (HI)	A-56	Solenoid valve A <Super select 4WD>
A-45	Oil pressure switch	A-57	Solenoid valve B <Super select 4WD>

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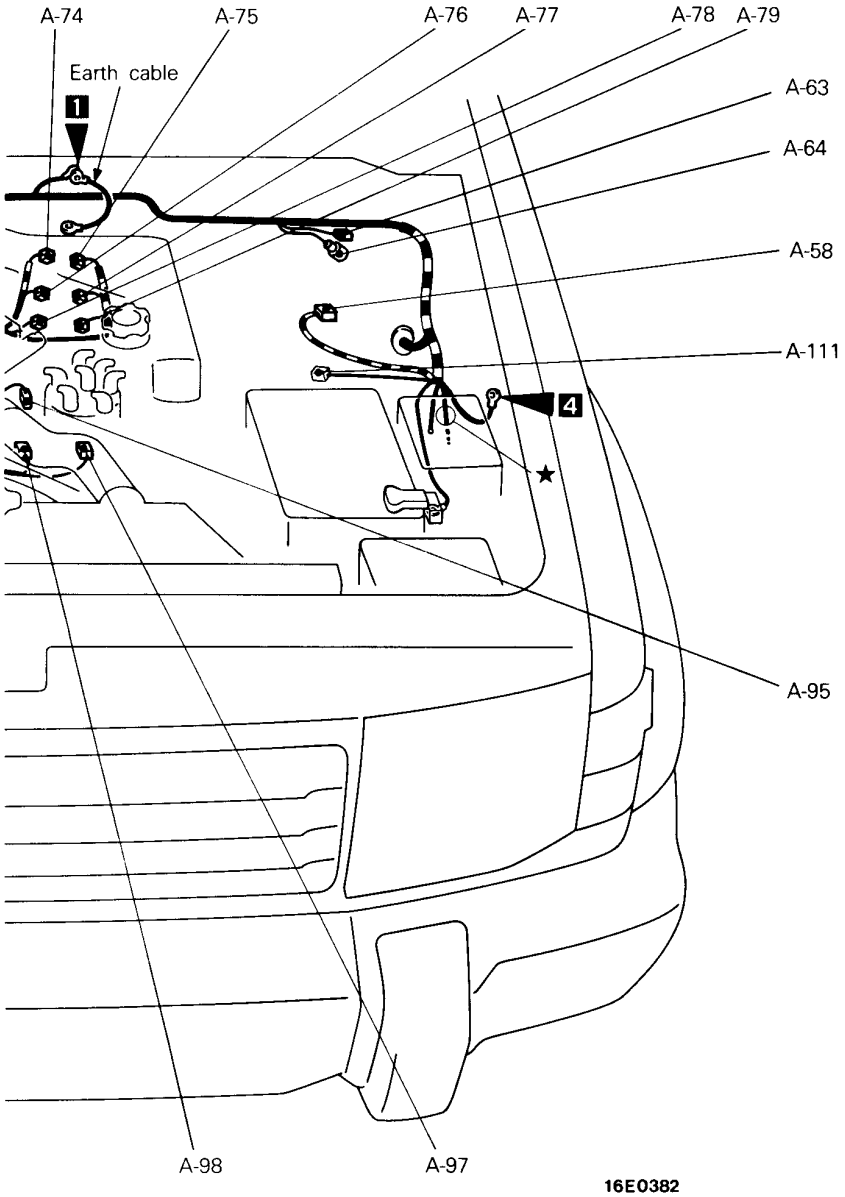
2-3 R.H. drive vehicles with 6G72 engine

Connector symbol
A -58 thru -111



A-58	Auto-cruise control actuator
A-59, A-60	Hydraulic unit
A-61	Air flow sensor
A-62	Power transistor
A-63	Fuel pump check connector
A-64	Ignition timing adjustment connector
A-65	—
A-66	—
A-67, A-68	Noise filter
A-69	Idle speed control servo
A-70	Throttle position sensor
A-71	Injector wiring harness and control wiring harness combination
A-72	—
A-73	Capacitor
A-74	Injector No. 5
A-75	Injector No. 6
A-76	Injector No. 3
A-77	Injector No. 4
A-78	Injector No. 1

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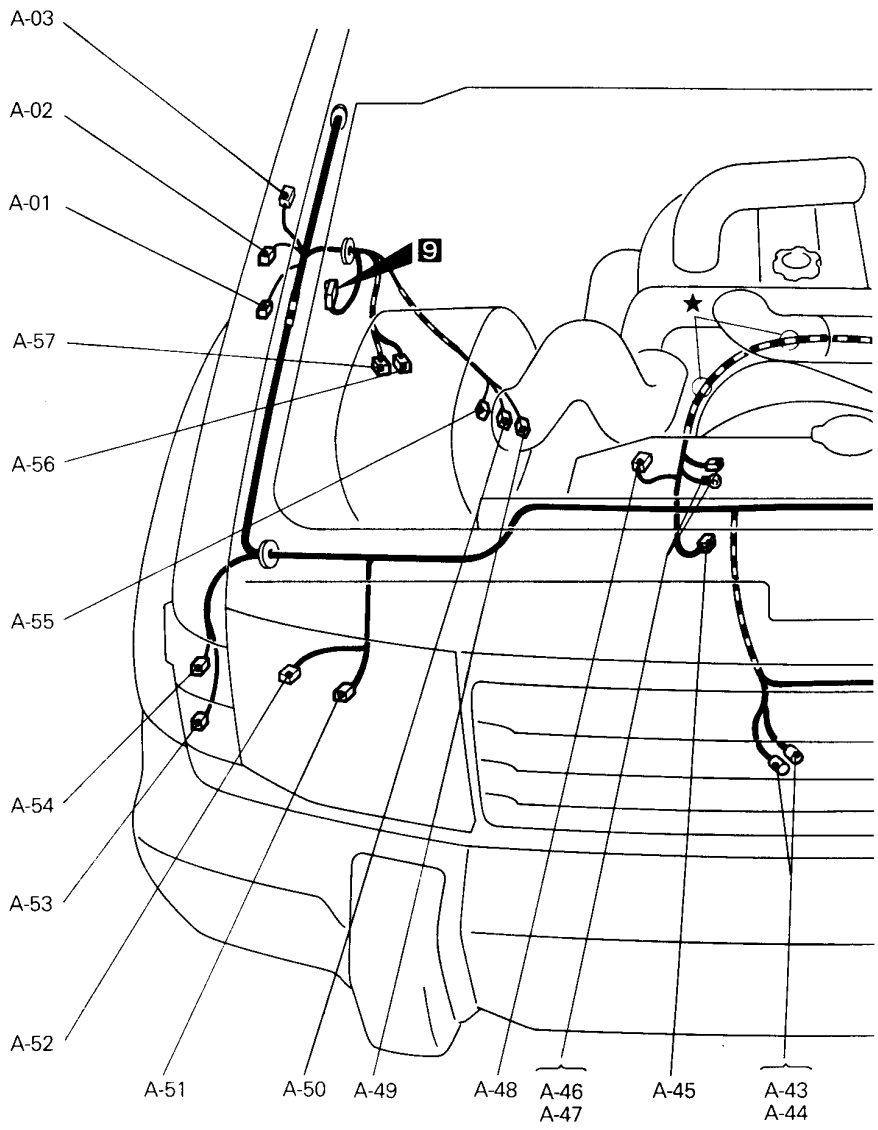
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A-79	Injector No. 2	A-97	Distributor signal generator
A-80 thru A-84	—	A-98	Engine coolant temperature switch <A/T>
A-85	Ignition coil	A-99 thru A-104	—
A-86 thru A-93	—	A-105, A-106	Alternator
A-94	Engine coolant temperature switch (for A/C compressor control)	A-107	—
A-95	Engine coolant temperature gauge unit	A-108	—
A-96	Engine coolant temperature sensor	A-109	Power steering oil pressure switch <A/T>
		A-110	—
		A-111	Purge control solenoid valve

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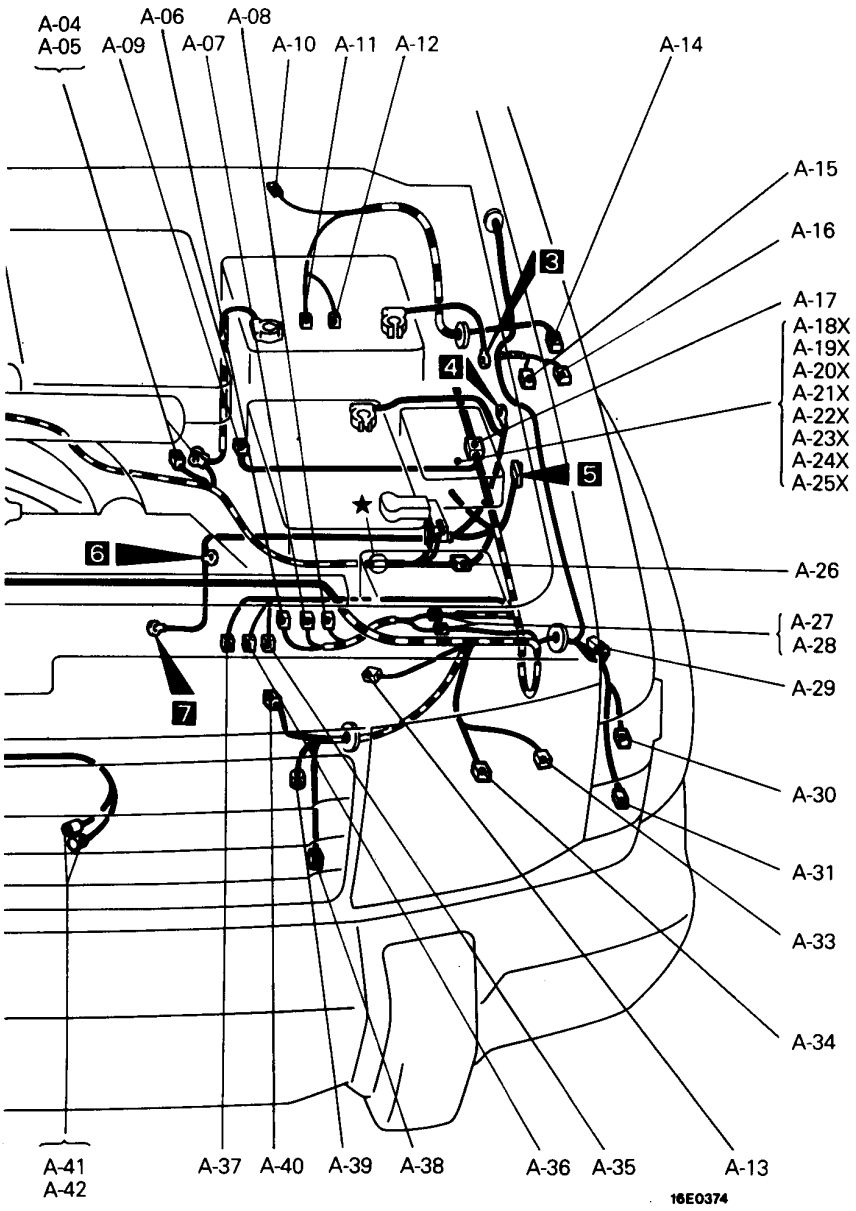
2-4 L.H. drive vehicles with 4D56 engine

Connector symbol
A -01 thru -57



A-01	Headlamp washer tank assembly
A-02	Side turn signal lamp (RH)
A-03	Motor antenna
A-04, A-05	Starter
A-06	Daytime running lamp relay 2
A-07	Daytime running lamp relay 1
A-08	Daytime running lamp control unit
A-09	Starter relay
A-10	Windshield wiper motor
A-11	Vacuum switch
A-12	Brake fluid level switch
A-13	Condenser fan motor control relay
A-14	Side turn signal lamp (LH)
A-15	Windshield washer motor
A-16	No connection
A-17	Control wiring harness and front wiring harness combination
A-18X thru A-25X	Refer to centralized junction
A-26	Battery cable and front wiring harness combination
A-27, A-28	Daytime running lamp harness and front wiring harness combination
A-29	Jumper connector
A-30, A-31	Front combination lamp (LH)
A-32	—

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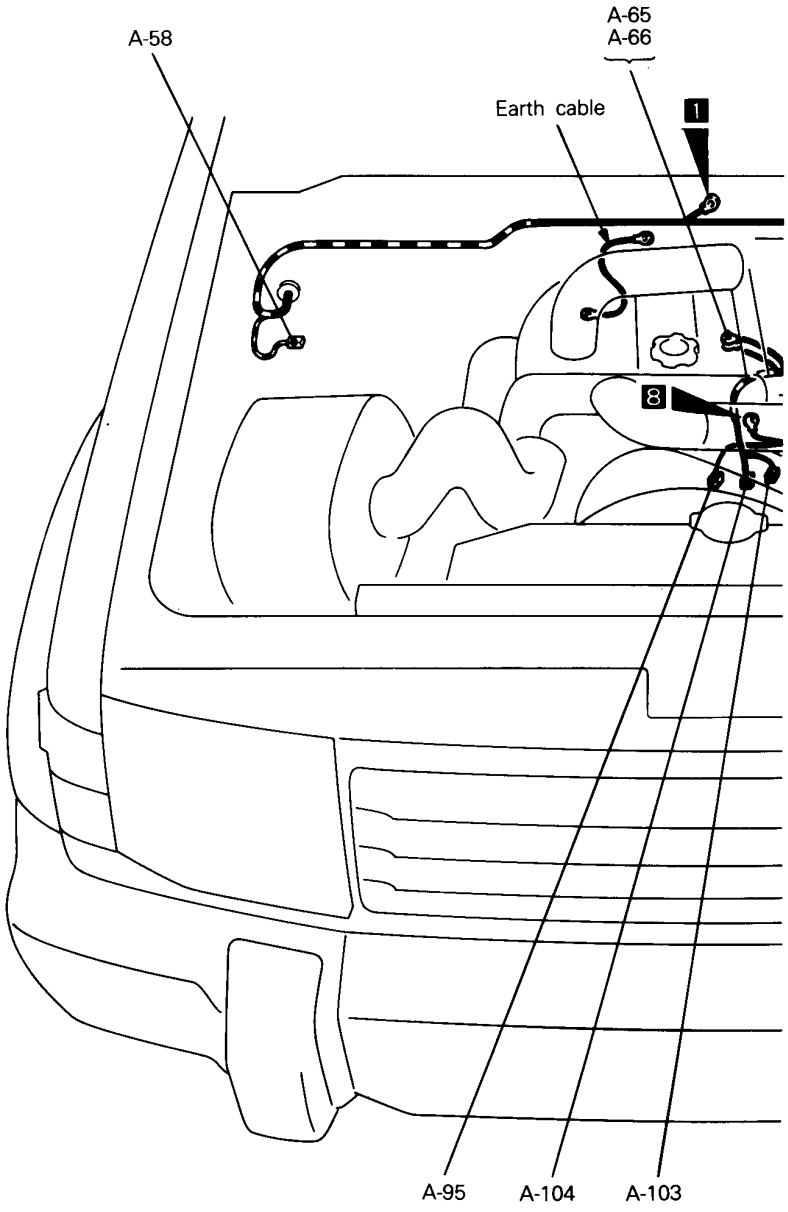
A-33	Headlamp leveling unit (LH)
A-34	Headlamp (LH)
A-35	Speed sensor (Front: LH) <ABS>
A-36	Shock absorber (Front: LH) <Remote controlled variable shock absorber>
A-37	Magnetic clutch <A/C>
A-38	Thermo sensor (Out side air) <Multi-meter>
A-39	Dual pressure switch
A-40	Condenser fan motor
A-41, A-42	Horn (LO)
A-43, A-44	Horn (HI)
A-45	Oil pressure switch
A-46, A-47	Alternator
A-48	Engine oil level sensor
A-49	Speed sensor (Front: RH) <ABS>
A-50	Shock absorber (Front: RH) <Remote controlled variable shock absorber>
A-51	Headlamp (RH)
A-52	Headlamp leveling unit (RH)
A-53, A-54	Front combination lamp (RH)
A-55	Free wheel engage switch
A-56	Solenoid valve A <Super select 4WD>
A-57	Solenoid valve B <Super select 4WD>

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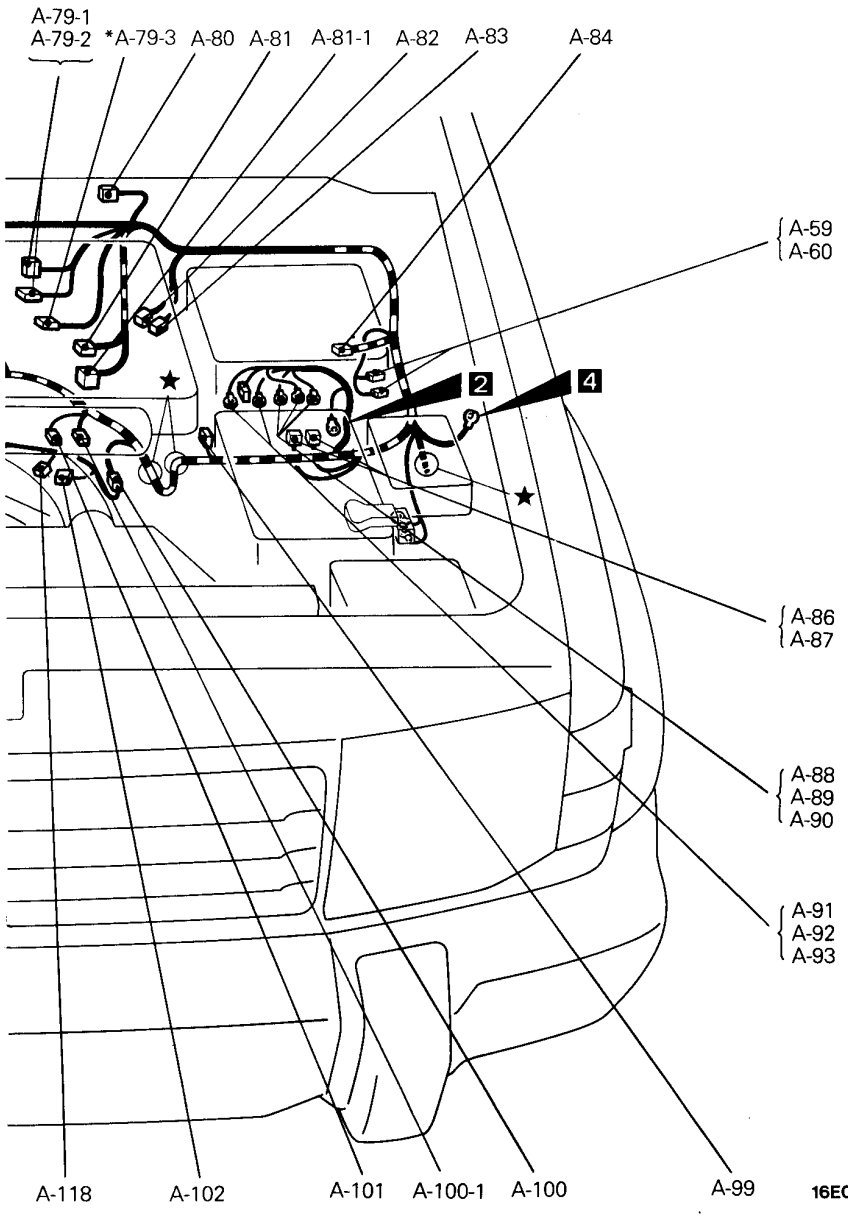
2-4 L.H. drive vehicles with 4D56 engine

Connector symbol
A -58 thru -118



A-58	Auto-cruise control actuator
A-59, A-60	Hydraulic unit
A-61 thru A-64	—
A-65	Glow plug
A-66	Glow plug <Super quick glow>
A-67 thru A-79	—
A-79-1, A-79-2	EGR solenoid valve <Vehicles with EGR system>
*A-79-3	Supercharging pressure relief solenoid valve
A-80	Idle up solenoid valve <A/C>
A-81	Water level switch
A-81-1	Fuel line heater
A-82	Intake air temperature switch
A-83	Intercooler fan motor
A-84	Idle up solenoid valve <ABS>
A-85	—
A-86, A-87	Glow plug relay <Auto glow>
A-88, A-89, A-90	Glow plug relay 2 <Super quick glow>

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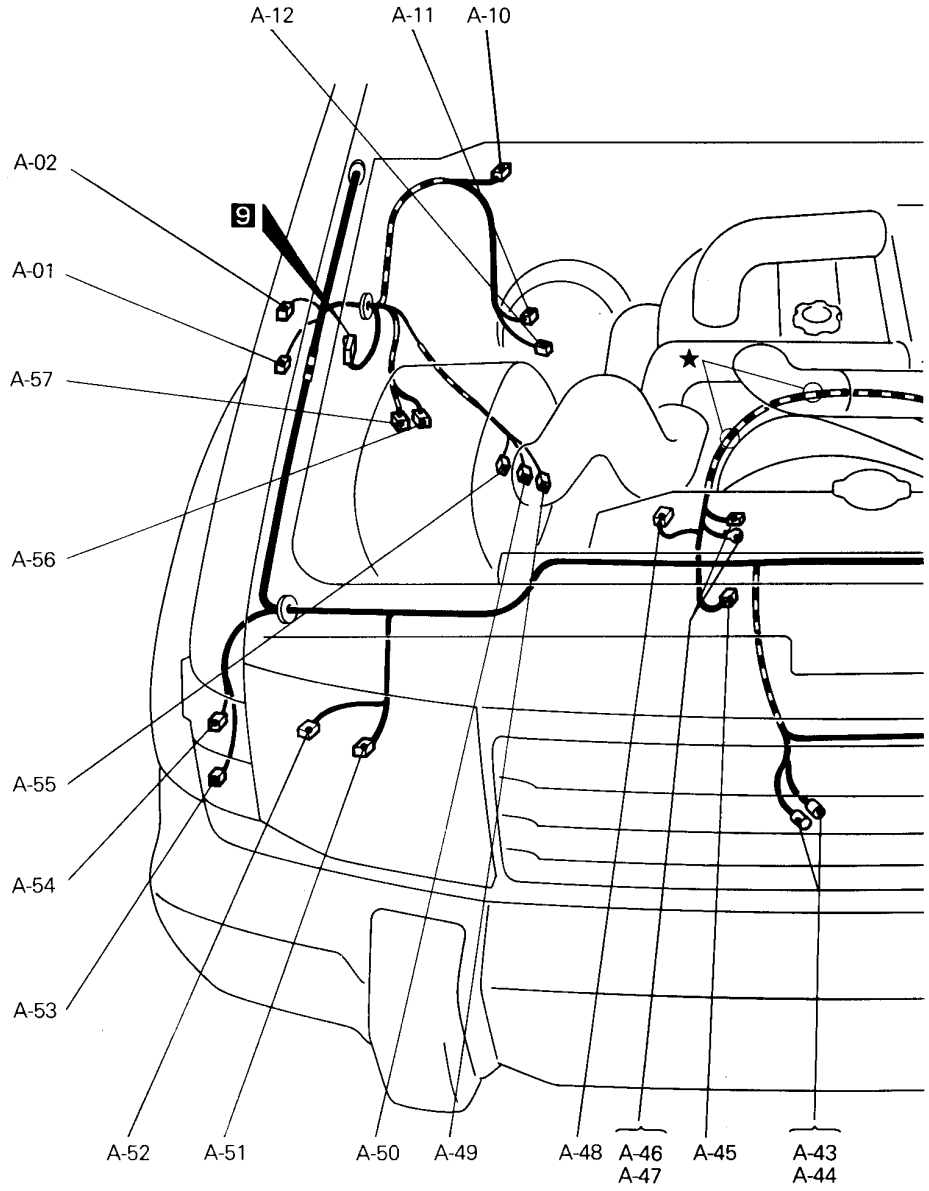
A-91 A-92 A-93	Glow plug relay 1 <Super quick glow>
A-94	—
A-95	Engine coolant temperature gauge unit
A-96	—
A-97	—
A-98	—
A-99	Dropping resistor <Super quick glow>
A-100	Fuel injection pump wiring harness and control wiring harness combination
A-100-1	Lever position sensor <Vehicles with EGR system>
A-101	Lever position switch <A/T>
A-102	Fuel cut solenoid valve
A-103	Engine coolant temperature switch (for condenser fan motor control)
A-104	Engine coolant temperature switch (for A/C compressor control)
A-105 thru A-117	—
A-118	Rotation sensor

NOTE
*: 2-door models for Switzerland or Finland <Vehicles built from July 1993>

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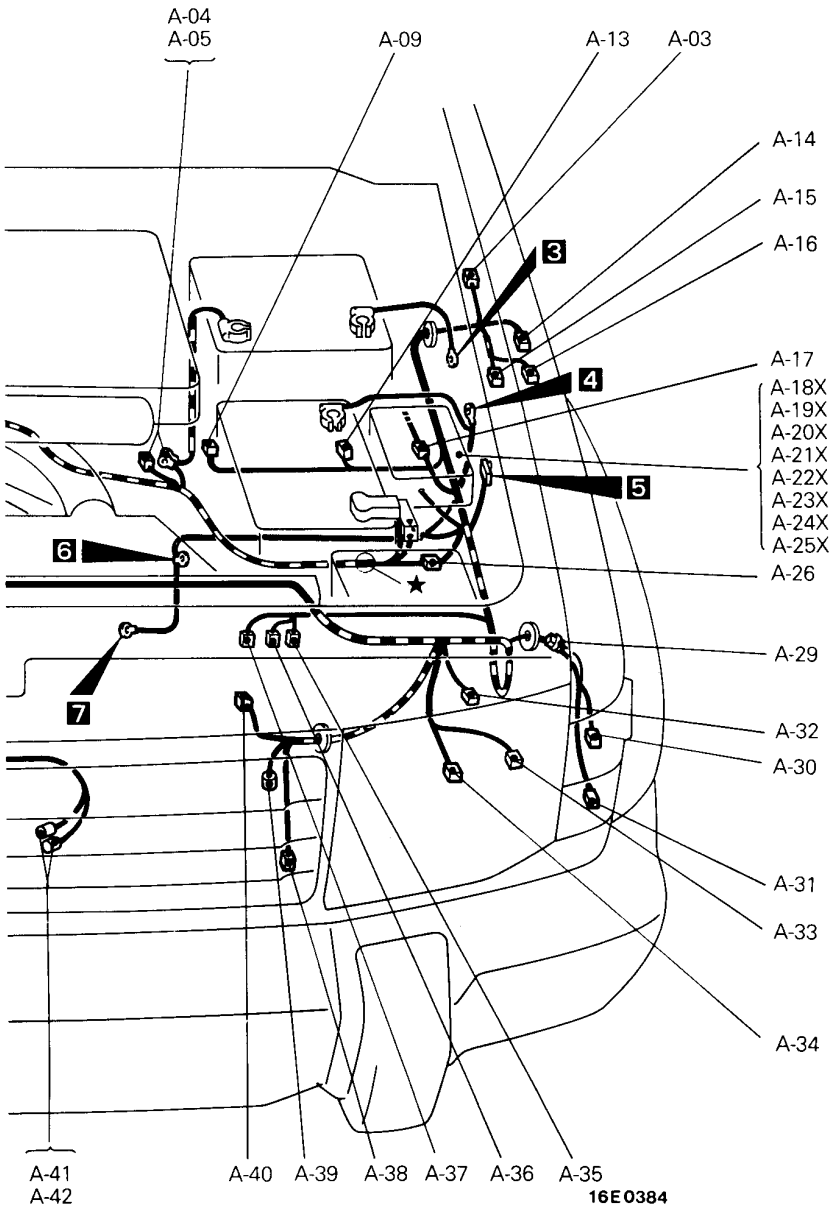
2-5 R.H. drive vehicles with 4D56 engine

Connector symbol **A** -01 thru -57



A-01	Headlamp washer tank assembly
A-02	Side turn signal lamp (RH)
A-03	Motor antenna
A-04, A-05	Starter
A-06	—
A-07	—
A-08	—
A-09	Starter relay
A-10	Windshield wiper motor
A-11	Vacuum switch
A-12	Brake fluid level switch
A-13	Condenser fan motor control relay
A-14	Side turn signal lamp (LH)
A-15	Windshield washer motor
A-16	No connection
A-17	Control wiring harness and front wiring harness combination
A-18X thru A-25X	Refer to centralized junction
A-26	Battery cable and front wiring harness combination
A-27	—
A-28	—
A-29	Jumper connector
A-30, A-31	Front combination lamp (LH)
A-32	Resistor <DIM-DIP lamp>

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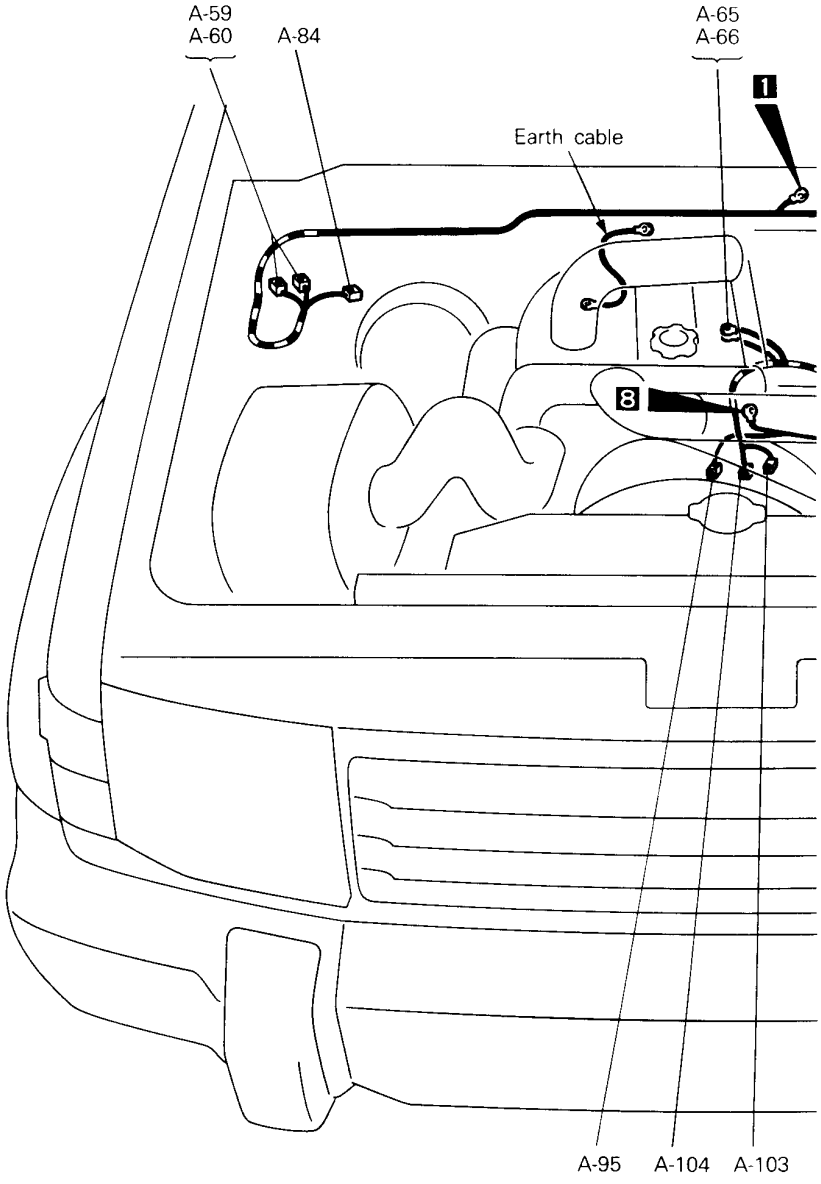
A-33	Headlamp leveling unit (LH)	A-46, A-47	Alternator
A-34	Headlamp (LH)	A-48	Engine oil level sensor
A-35	Speed sensor (Front: LH) <ABS>	A-49	Speed sensor (Front: RH) <ABS>
A-36	Shock absorber (Front: LH) <Remote controlled variable shock absorber>	A-50	Shock absorber (Front: RH) <Remote controlled variable shock absorber>
A-37	Magnetic clutch <A/C>	A-51	Headlamp (RH)
A-38	Thermo sensor (Out side air) <Multi-meter>	A-52	Headlamp leveling unit (RH)
A-39	Dual pressure switch	A-53, A-54	Front combination lamp (RH)
A-40	Condenser fan motor	A-55	Free wheel engage switch
A-41, A-42	Horn (LO)	A-56	Solenoid valve A <Super select 4WD>
A-43, A-44	Horn (HI)	A-57	Solenoid valve B <Super select 4WD>
A-45	Oil pressure switch		

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2-5 R.H. drive vehicles with 4D56 engine

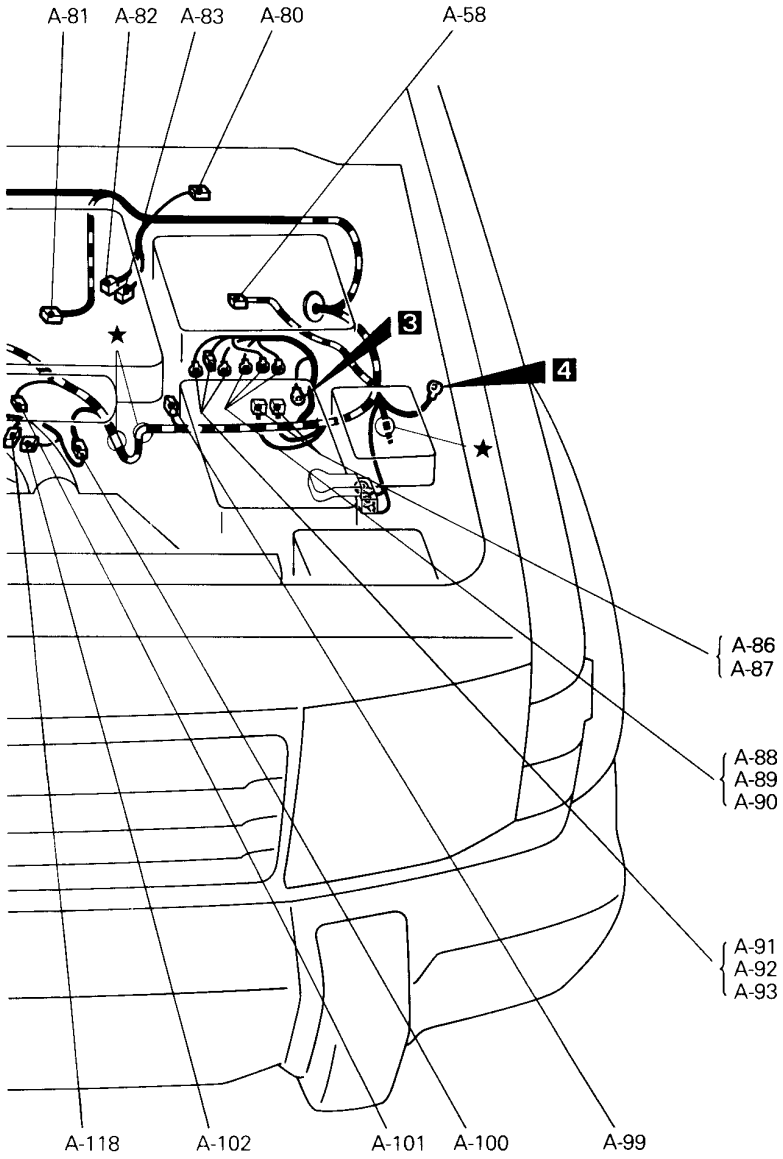
Connector symbol
A -58 thru -118



A-58	Auto-cruise control actuator
A-59, A-60	Hydraulic unit
A-61 thru A-64	—
A-65	Glow plug
A-66	Glow plug <Super quick glow>
A-67 thru A-79	—
A-80	Idle up solenoid valve <A/C>
A-81	Water level switch
A-82	Intake air temperature switch
A-83	Intercooler fan motor
A-84	Idle up solenoid valve <ABS>
A-85	—
A-86, A-87	Glow plug relay <Auto glow>
A-88 thru A-90	Glow plug relay 2 <Super quick glow>

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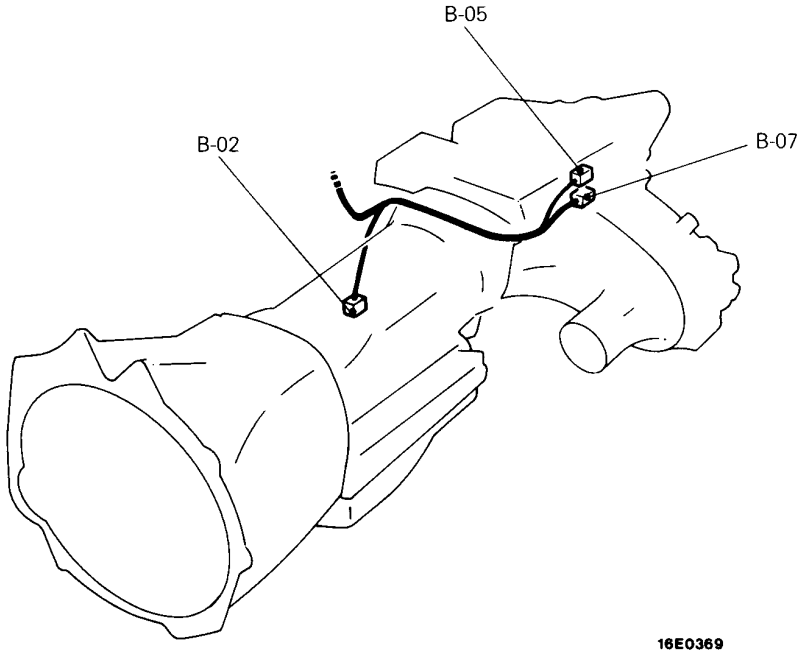
A-91, A-92, A-93	Glow plug relay 1 ⟨Super quick glow⟩
A-94	—
A-95	Engine coolant temperature gauge unit
A-96	—
A-97	—
A-98	—
A-99	Dropping resistor ⟨Super quick glow⟩
A-100	Fuel injection pump wiring harness and control wiring harness combination
A-101	Lever position switch ⟨A/T⟩
A-102	Fuel cut solenoid valve
A-103	Engine coolant temperature switch (for condenser fan motor control)
A-104	Engine coolant temperature switch (for A/C compressor control)
A-105 thru A-117	—
A-118	Rotation Sensor

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3 TRANSMISSION

3-1 PART TIME 4WD

Connector symbol
B



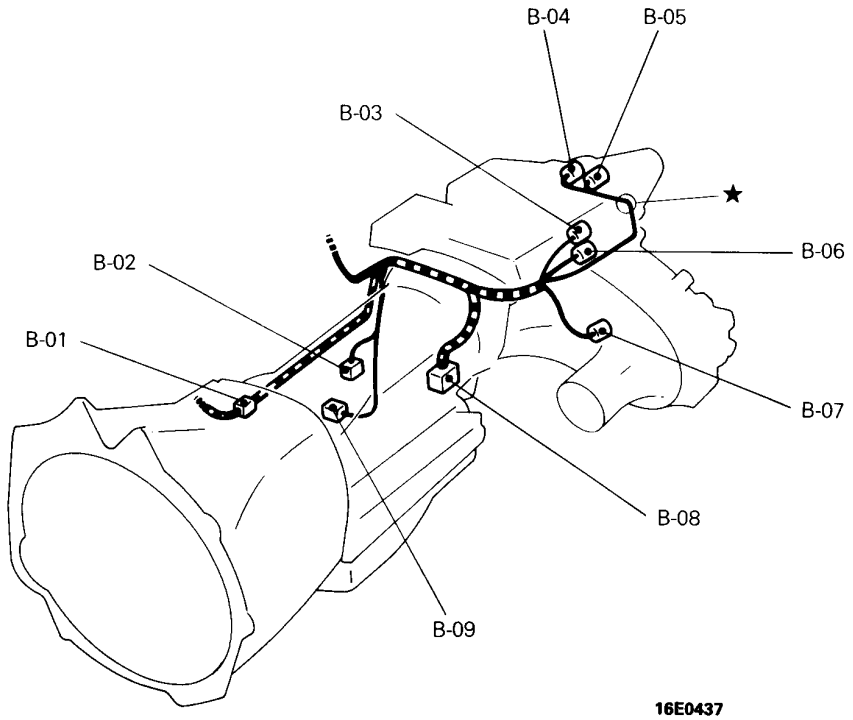
B-01 —
B-02 Back-up lamp switch
B-03 —
B-04 —
B-05 4WD operation detection switch
B-06 —
B-07 High range/low range detection switch

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3-2 SUPER SELECT 4WD

Connector symbol
B



B-01	Battery cable and transmission wiring harness combination <Petrol-powered vehicles>	B-06	2WD/4WD detection switch
B-02	Back-up lamp switch <M/T>	B-07	High range/low range detection switch
B-03	Center differential lock detection switch	B-08	Inhibitor switch <A/T>
B-04	Center differential lock operation detection switch	B-09	Oxygen sensor <Petrol-powered vehicles>
B-05	4WD operation detection switch		

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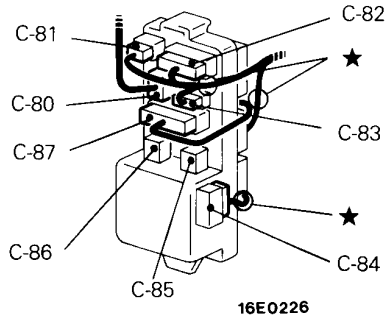
4 DASH PANEL

4-1 L.H. drive vehicles

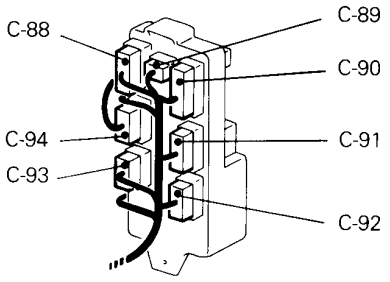
Connector symbol **C**

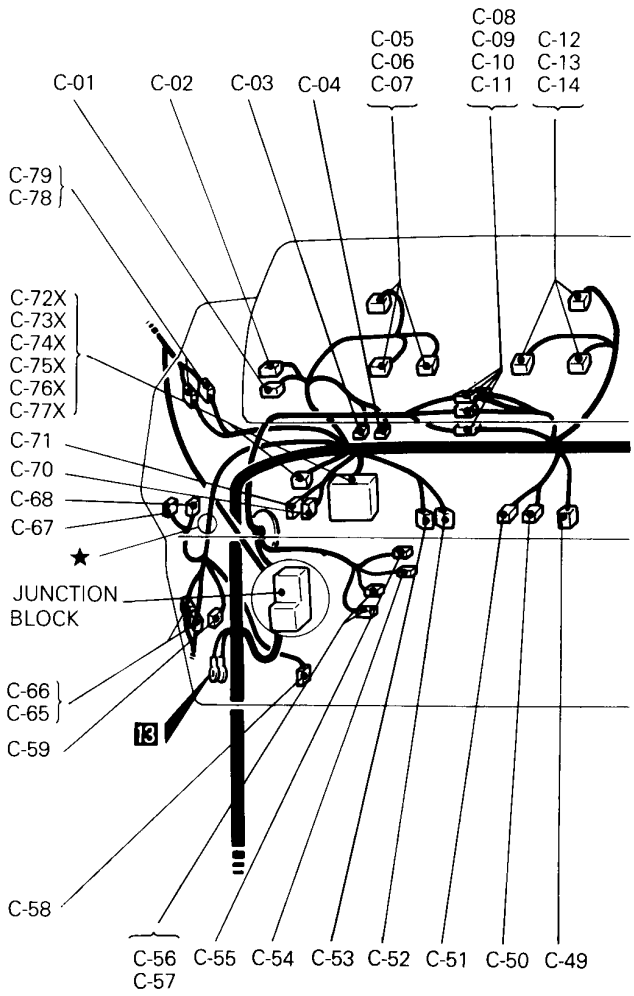
JUNCTION BLOCK

<Front side view>



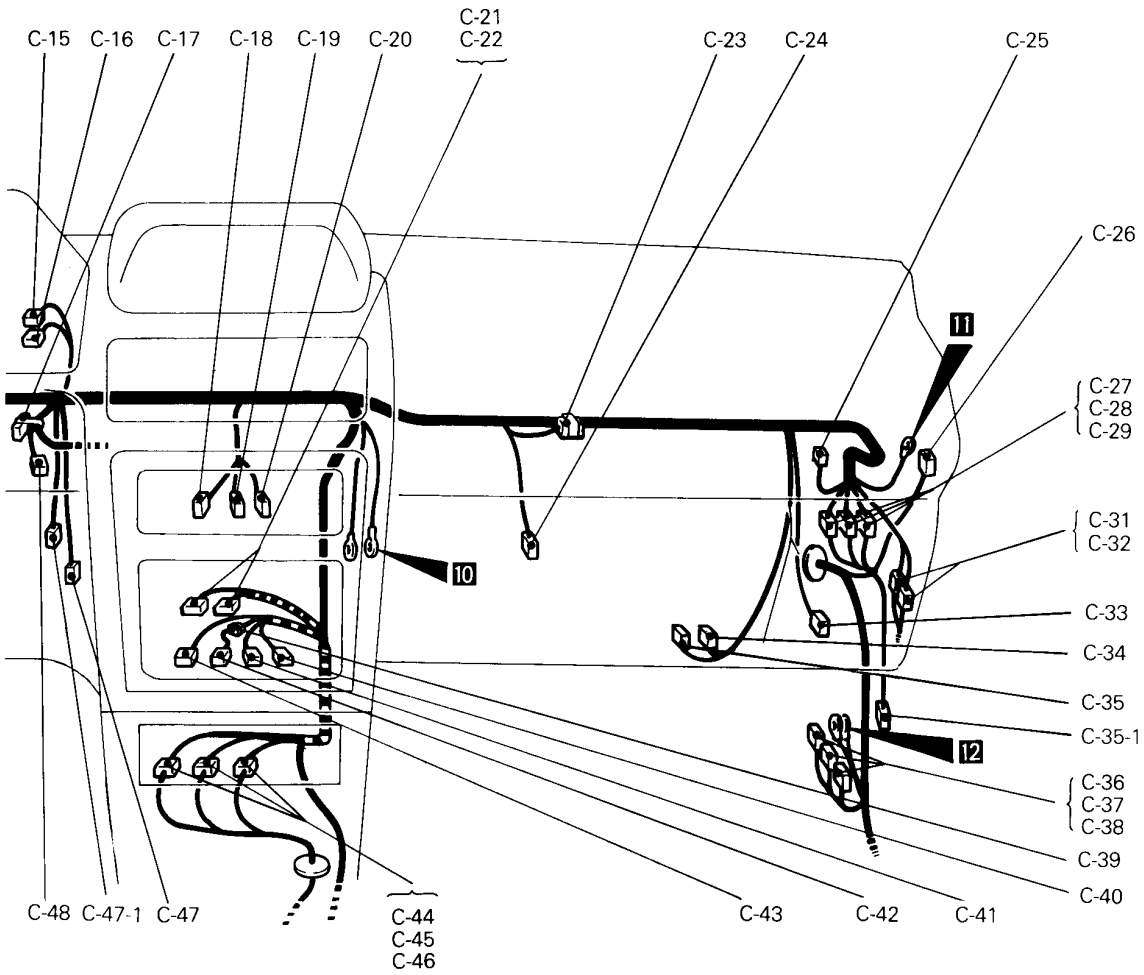
<Rear side view>





C-01 Auto-cruise control main switch
C-02 Rear fog lamp switch
C-03 Remote controlled mirror switch
C-04 Rheostat
C-05, C-06, C-07 Combination meter
C-08 thru C-11 Front wiring harness and body wiring harness combination
C-12, C-13, C-14 Combination meter
C-15 Defogger switch
C-16 Hazard switch
C-17 No connection
C-18 A/C switch
C-19 Blower switch
C-20 Blower control illumination lamp
C-21, C-22 Radio
C-23 No connection
C-24 A/C unit
C-25 Engine oil level relay
C-26 Engine control relay or intercooler fan control unit <Vehicles without fuel line heater> or fuel line heater control unit
C-27, C-28, C-29 Control wiring harness and body wiring harness combination
C-30 —
C-31, C-32 Door wiring harness (RH) and body wiring harness combination
C-33 Front speaker (RH)
C-34 Resistor (for blower motor control circuit)
C-35 Blower motor
C-35-1 Intercooler fan control unit <Vehicles with fuel line heater>
C-36 Engine control unit
C-37 Engine control unit or glow control unit
C-38 Engine control unit or glow control unit
C-39 Diode (for ABS circuit)
C-40 Motor antenna control unit
C-41 4WD indicator relay
C-42 ABS power relay
C-43 4WD indicator control unit

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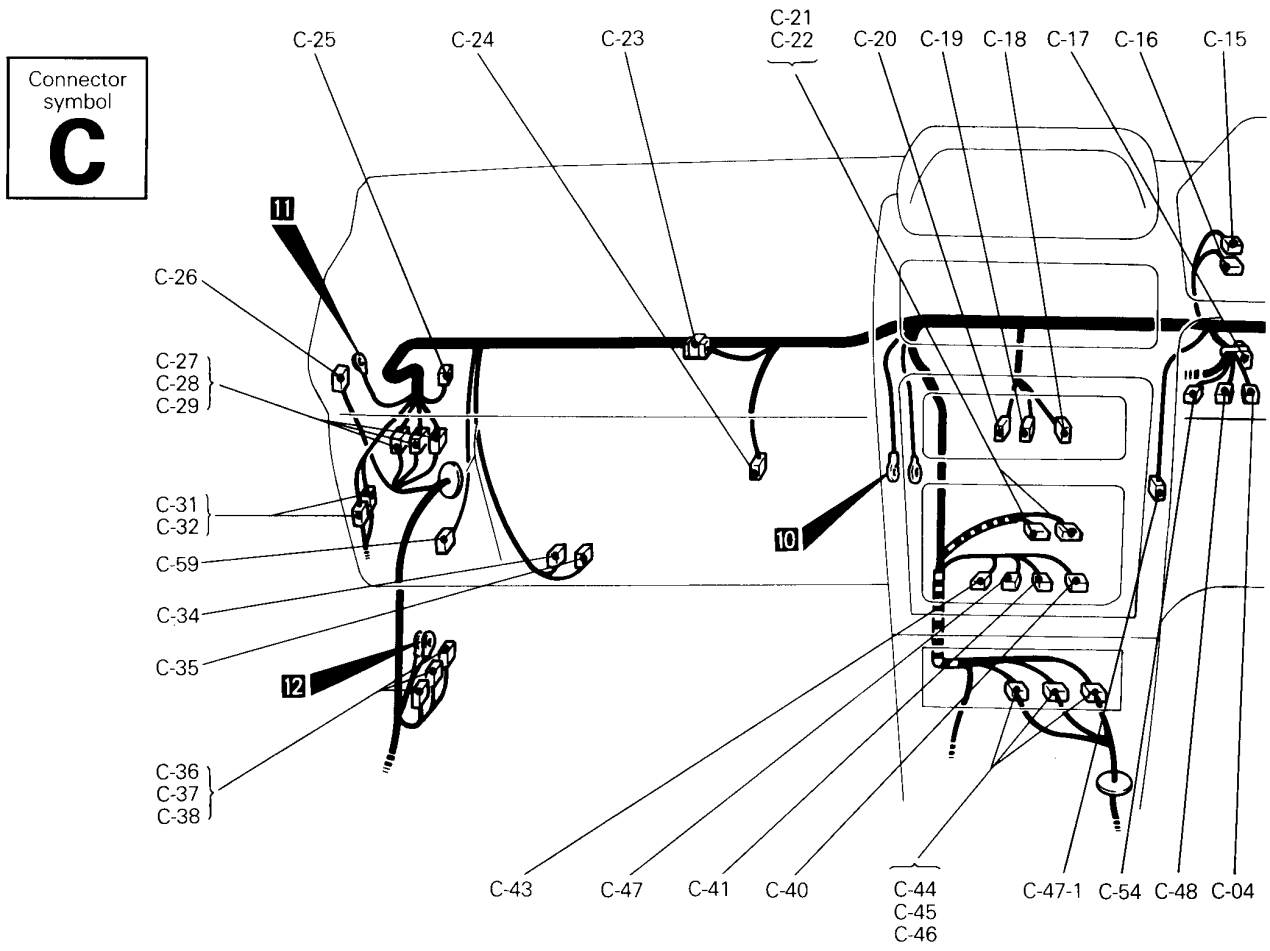


16E0539

C-44, C-45, C-46	Transmission wiring harness and body wiring harness combination
C-47	Vehicle speed relay <ABS>
C-47-1	Lighting monitor buzzer <1993 MODELS>
C-48	Rear wiper and washer switch
C-49	Auto-cruise control unit or spare connector
C-50	Auto-cruise control switch
C-51	Thermo sensor (inside air)
C-52	Stop lamp switch (2-pin) or no connection <Auto-cruise control>
C-53	Stop lamp switch (4-pin) <Auto-cruise control> or no connection
C-54	Headlamp leveling switch
C-55	Ignition switch
C-56, C-57	Column switch
C-58	Clutch switch
C-59	Front speaker (LH)
C-60 thru C-64	—
C-65, C-66	Door wiring harness (LH) and body wiring harness combination
C-67	Overdrive control relay
C-68	Headlamp washer relay
C-69	—
C-70	Dedicated fuse No. ⑩
C-71	Dedicated fuse No. ⑨
C-72X thru C-77X	Refer to centralized junction
C-78, C-79	Roof wiring harness and body wiring harness combination
C-80	Roof wiring harness and junction block combination
C-81, C-82, C-83	Front wiring harness and junction block combination
C-84	Diagnosis connector
C-85	Blower relay
C-86	Accessory socket relay
C-87 thru C-93	Body wiring harness and junction block combination
C-94	Front wiring harness and junction block combination

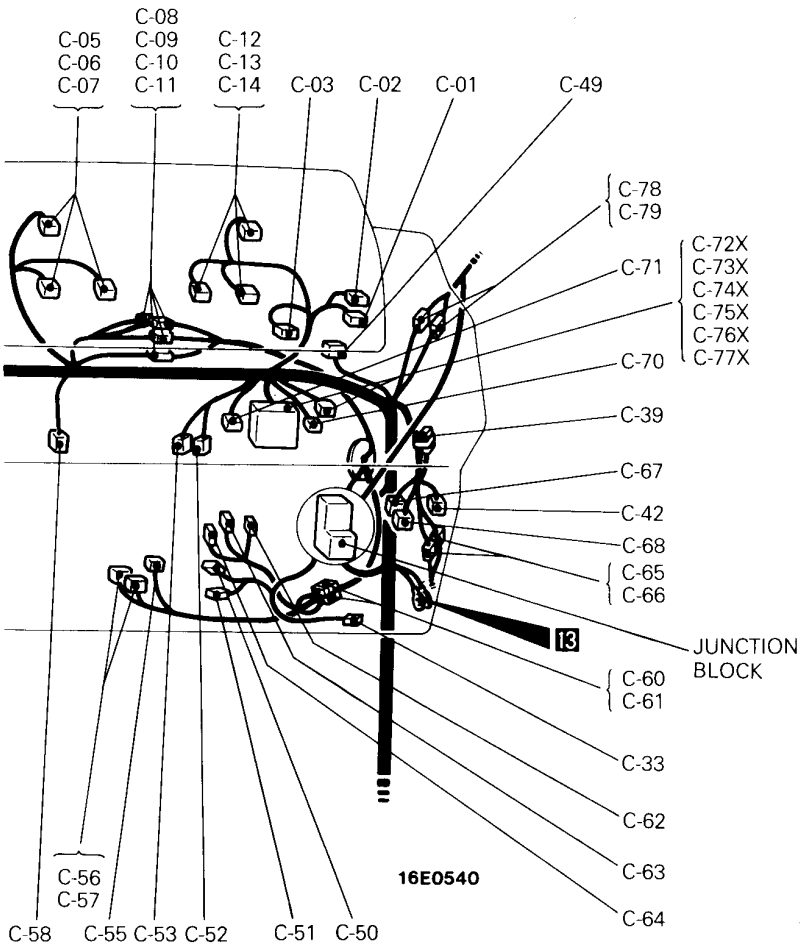
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4-2 R.H. drive vehicles



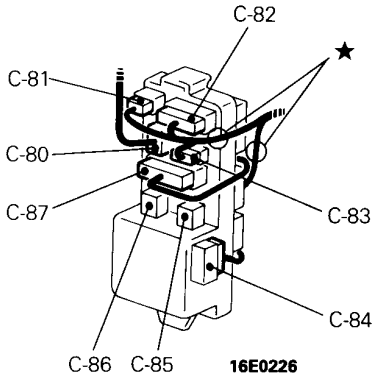
C-01	Auto-cruise control main switch
C-02	Rear fog lamp switch
C-03	Remote controlled mirror switch
C-04	Rheostat
C-05, C-06, C-07	Combination meter
C-08 thru C-11	Front wiring harness and body wiring harness combination
C-12, C-13, C-14	Combination meter
C-15	Defogger switch
C-16	Hazard switch
C-17	No connection
C-18	A/C switch
C-19	Blower switch
C-20	Blower control illumination lamp
C-21, C-22	Radio
C-23	No connection
C-24	A/C unit
C-25	Engine oil level relay
C-26	Engine control relay or intercooler fan control unit
C-27, C-28, C-29	Control wiring harness and body wiring harness combination
C-30	—
C-31, C-32	Door wiring harness (LH) and body wiring harness combination
C-33	Front speaker (RH)
C-34	Resistor (for blower motor control circuit)
C-35	Blower motor
C-36	Engine control unit
C-37	Engine control unit
C-38	Engine control unit or glow control unit
C-39	Diode (for ABS circuit)
C-40	Motor antenna control unit
C-41	4WD indicator relay
C-42	ABS power relay
C-43	4WD indicator control unit

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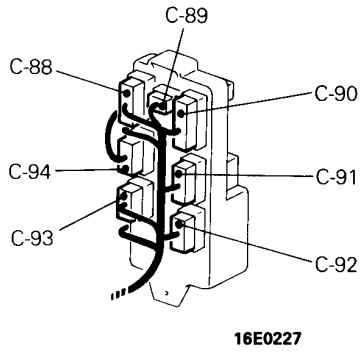


JUNCTION BLOCK

〈Front side view〉



〈Rear side view〉



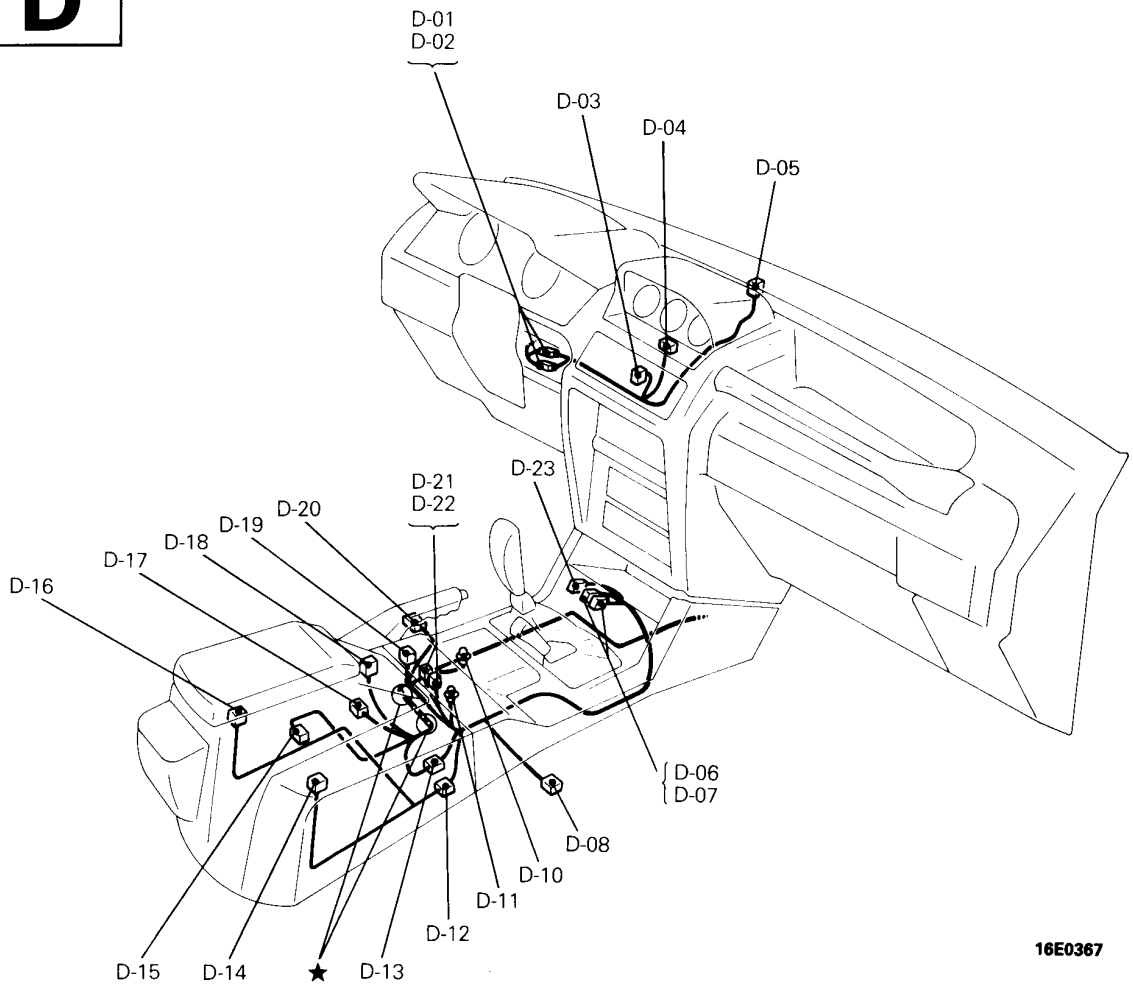
C-44, C-45, C-46	Transmission wiring harness and body wiring harness combination
C-47	Vehicle speed relay 〈ABS〉
C-47-1	Lighting monitor buzzer 〈1993 MODELS〉
C-48	Rear wiper and washer switch
C-49	Auto-cruise control unit or spare connector
C-50	Auto-cruise control switch
C-51	Thermo sensor (inside air)
C-52	Stop lamp switch (2-pin) or no connection 〈Auto-cruise control〉
C-53	Stop lamp switch (4-pin) 〈Auto-cruise control〉 or no connection
C-54	Headlamp leveling switch
C-55	Ignition switch
C-56, C-57	Column switch
C-58	Clutch switch
C-59	Front speaker (LH)
C-60, C-61	Diode (for dim-dip lamp circuit)
C-62	Dim-dip lamp relay 1
C-63	Dim-dip lamp relay 2
C-64	Dim-dip lamp relay 3
C-65, C-66	Door wiring harness (RH) and body wiring harness combination
C-67	Overdrive control relay
C-68	Headlamp washer relay
C-69	—
C-70	Dedicated fuse No. ⑩
C-71	Dedicated fuse No. ⑨
C-72X thru C-77X	Refer to centralized junction
C-78, C-79	Roof wiring harness and body wiring harness combination
C-80	Roof wiring harness and junction block combination
C-81, C-82, C-83	Front wiring harness and junction block combination
C-84	Diagnosis connector
C-85	Blower relay
C-86	Accessory socket relay
C-87 thru C-93	Body wiring harness and junction block combination
C-94	Front wiring harness and junction block combination

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5 INSTRUMENT PANEL AND FLOOR CONSOLE

5-1 L.H. drive vehicles ⟨M/T⟩

Connector symbol **D**

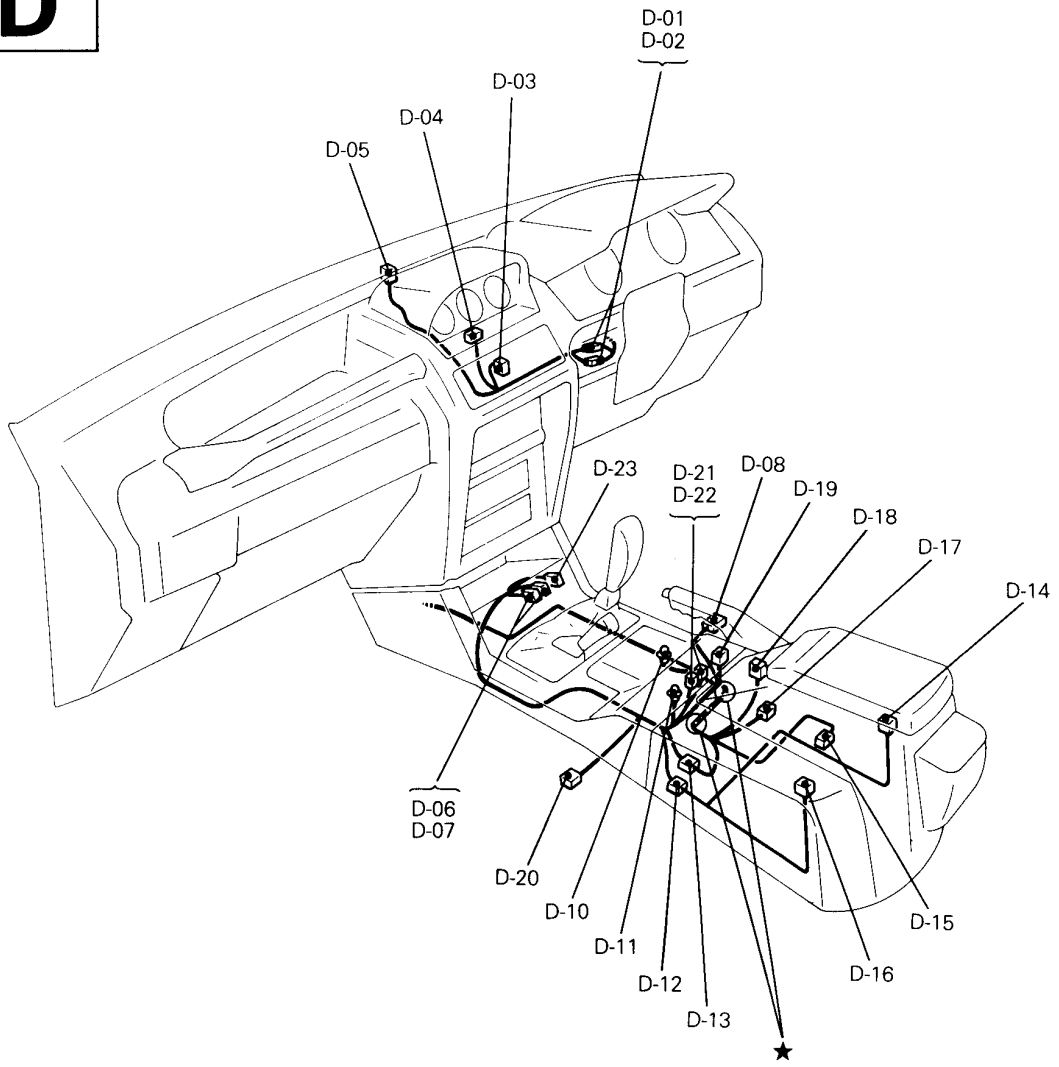


D-01, D-02	Instrument panel wiring harness and body wiring harness combination	D-13	Console wiring harness and body wiring harness combination
D-03	Clock	D-14	Heated seat switch (RH)
D-04	Multi-meter	D-15	G sensor ⟨ABS⟩
D-05	Geomagnetic sensor	D-16	Heated seat switch (LH)
D-06, D-07	Accessory socket	D-17	Parking brake switch
D-08	Seat heater (RH)	D-18	Variable shock absorber control switch
D-09	—	D-19	Rear blower main switch
D-10	Ashtray illumination lamp	D-20	Seat heater (LH)
D-11	Cigarette lighter illumination lamp	D-21, D-22	Cigarette lighter
D-12	Rear console wiring harness and console wiring harness combination	D-23	Rear differential lock switch

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5-2 R.H. drive vehicles <M/T>

Connector symbol **D**

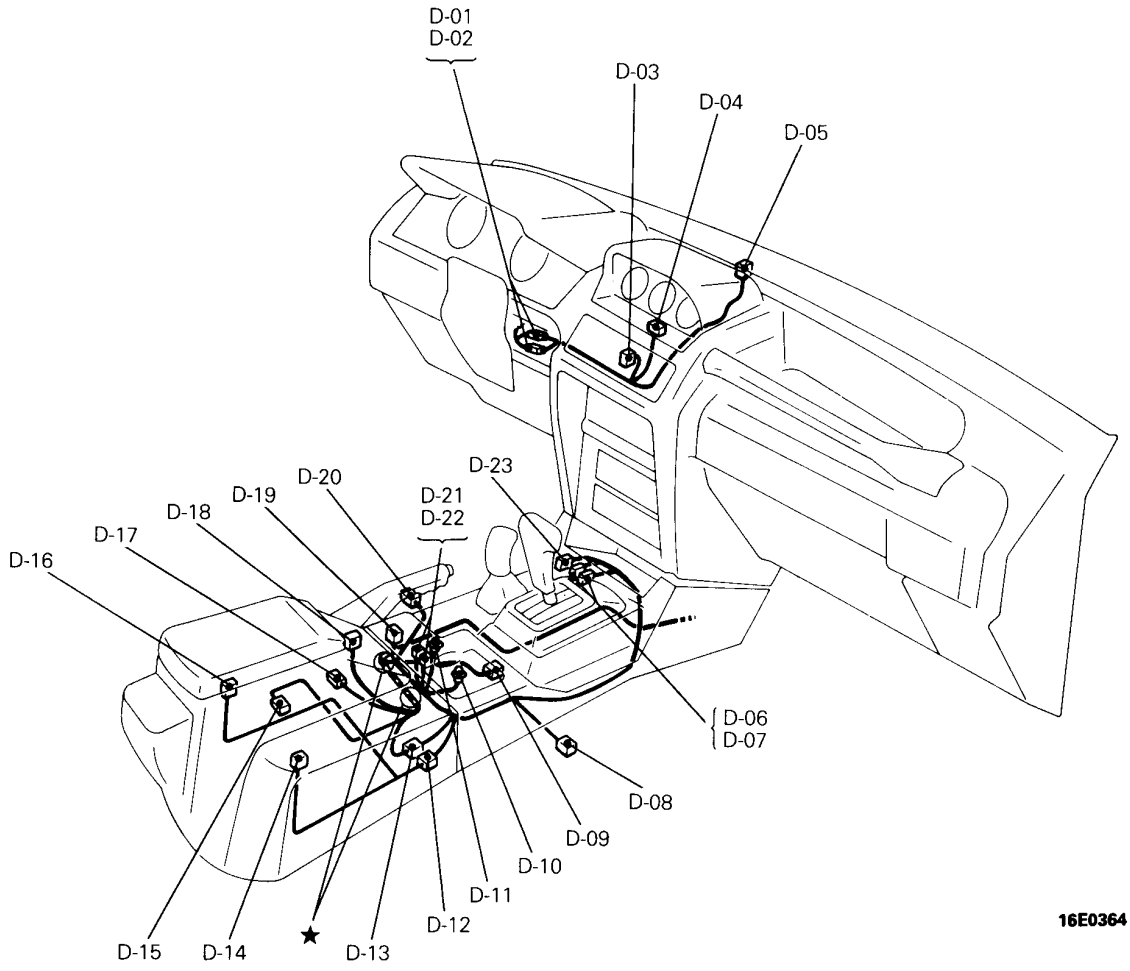


D-01, D-02	Instrument panel wiring harness and body wiring harness combination	D-13	Console wiring harness and body wiring harness combination
D-03	Clock	D-14	Heated seat switch (RH)
D-04	Multi-meter	D-15	G sensor <ABS>
D-05	Geomagnetic sensor	D-16	Heated seat switch (LH)
D-06, D-07	Accessory socket	D-17	Parking brake switch
D-08	Seat heater (RH)	D-18	Variable shock absorber control switch
D-09	—	D-19	Rear blower main switch
D-10	Ashtray illumination lamp	D-20	Seat heater (LH)
D-11	Cigarette lighter illumination lamp	D-21, D-22	Cigarette lighter
D-12	Rear console wiring harness and console wiring harness combination	D-23	Rear differential lock switch

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5-3 L.H. drive vehicles <A/T>

Connector symbol
D



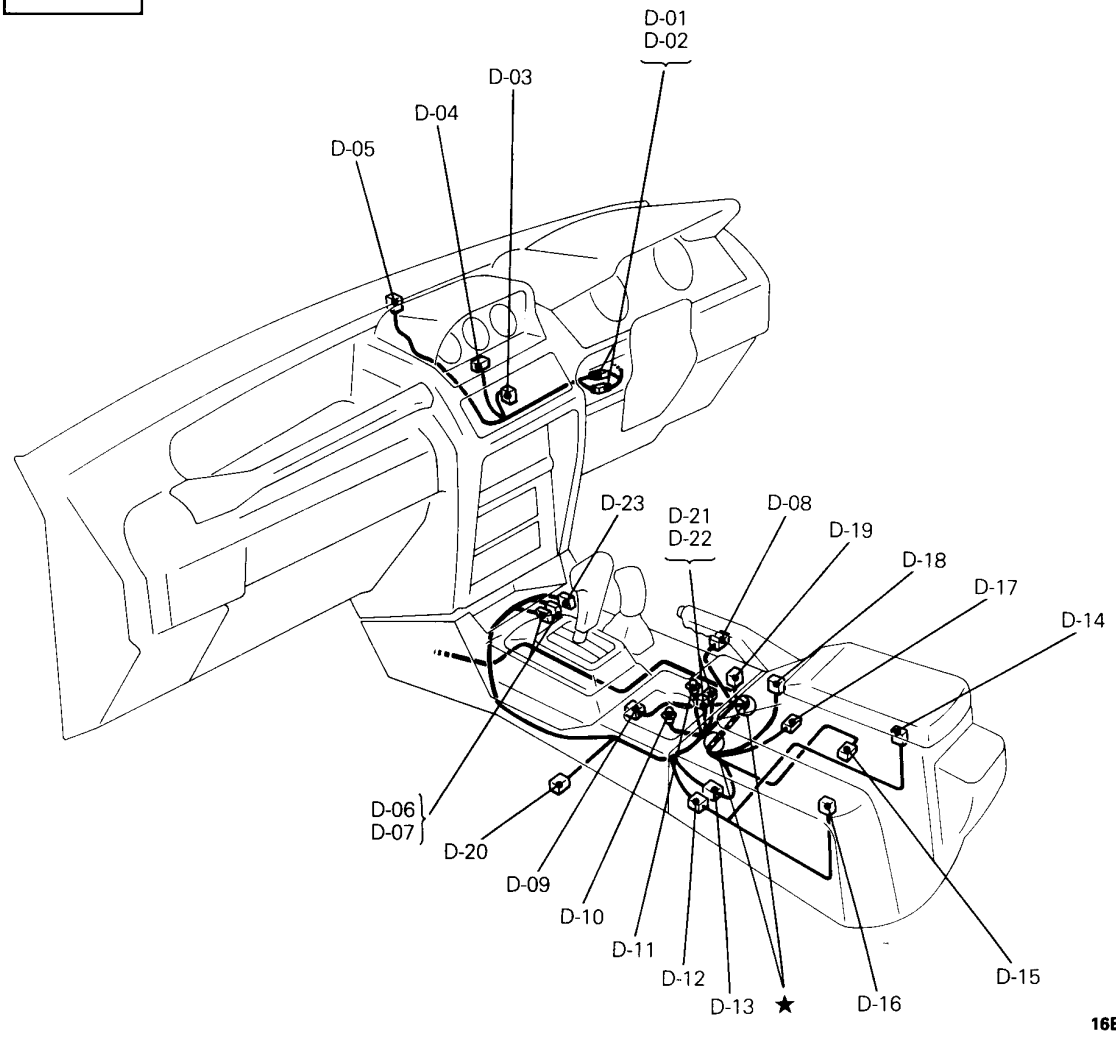
D-01, D-02	Instrument panel wiring harness and body wiring harness combination	D-13	Console wiring harness and body wiring harness combination
D-03	Clock	D-14	Heated seat switch (RH)
D-04	Multi-meter	D-15	G sensor <ABS>
D-05	Geomagnetic sensor	D-16	Heated seat switch (LH)
D-06, D-07	Accessory socket	D-17	Parking brake switch
D-08	Seat heater (RH)	D-18	Variable shock absorber control switch
D-09	Overdrive switch	D-19	Rear blower main switch
D-10	Ashtray illumination lamp	D-20	Seat heater (LH)
D-11	Cigarette lighter illumination lamp	D-21, D-22	Cigarette lighter
D-12	Rear console wiring harness and console wiring harness combination	D-23	Rear differential lock switch

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5-4 R.H. drive vehicles 〈A/T〉

Connector symbol
D



D-01, D-02	Instrument panel wiring harness and body wiring harness combination	D-13	Console wiring harness and body wiring harness combination
D-03	Clock	D-14	Heated seat switch (RH)
D-04	Multi-meter	D-15	G sensor 〈ABS〉
D-05	Geomagnetic sensor	D-16	Heated seat switch (LH)
D-06, D-07	Accessory socket	D-17	Parking brake switch
D-08	Seat heater (RH)	D-18	Variable shock absorber control switch
D-09	Overdrive switch	D-19	Rear blower main switch
D-10	Ashtray illumination lamp	D-20	Seat heater (LH)
D-11	Cigarette lighter illumination lamp	D-21, D-22	Cigarette lighter
D-12	Rear console wiring harness and console wiring harness combination	D-23	Rear differential lock switch

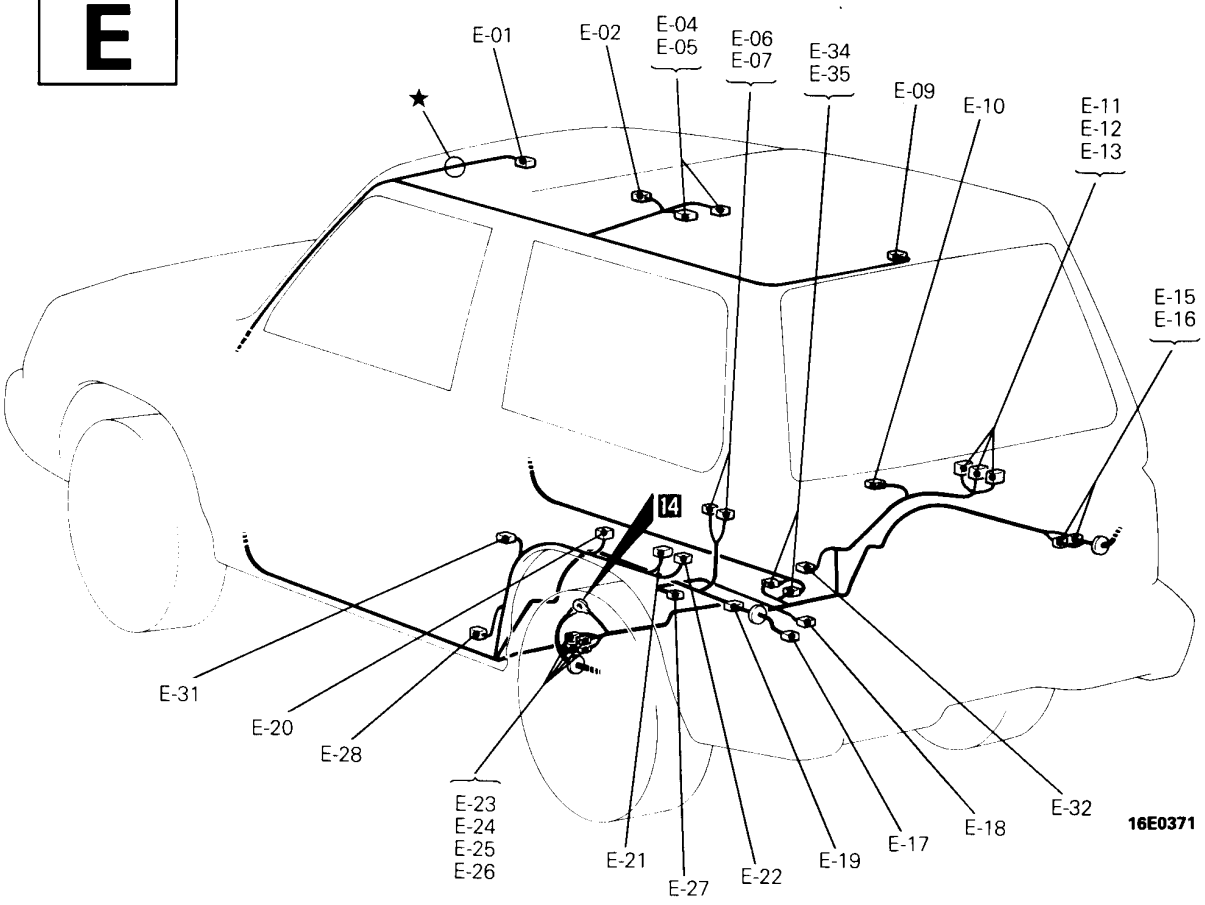
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6 FLOOR AND ROOF

6-1 2-door models <L.H. drive vehicles>

Connector symbol **E**

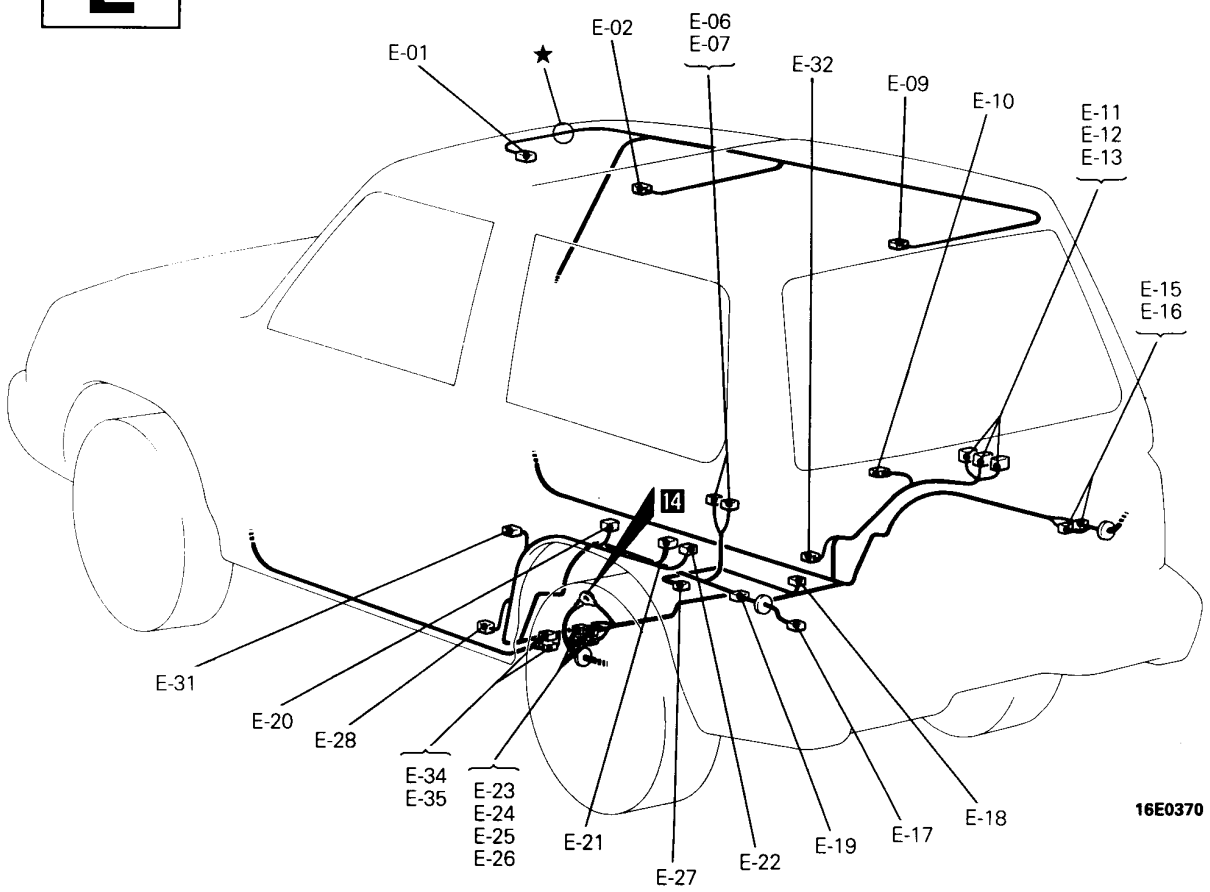


E-01	Map lamp, room lamp or canvas roof switch
E-02	Room lamp
E-03	—
E-04, E-05	Folding top assembly <Canvas top>
E-06, E-07	Accessory socket
E-08	—
E-09	Cargo space lamp
E-10	Rear speaker (RH)
E-11, E-12, E-13	ABS control unit
E-14	—
E-15, E-16	Back door wiring harness and body wiring harness combination
E-17	Rear combination lamp (LH)
E-18	Rear heater assembly
E-19	Rear combination lamp harness and body wiring harness combination
E-20	Variable shock absorber control unit
E-21	Rear differential lock air pump
E-22	Rear differential lock control unit
E-23 thru E-26	Frame wiring harness and body wiring harness combination
E-27	Rear heater control switch
E-28	Front door switch (LH)
E-29	—
E-30	—
E-31	Rear speaker (LH)
E-32	Front door switch (RH)
E-33	—
E-34, E-35	Control wiring harness and body wiring harness combination

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6-2 2-door models <R.H. drive vehicles>

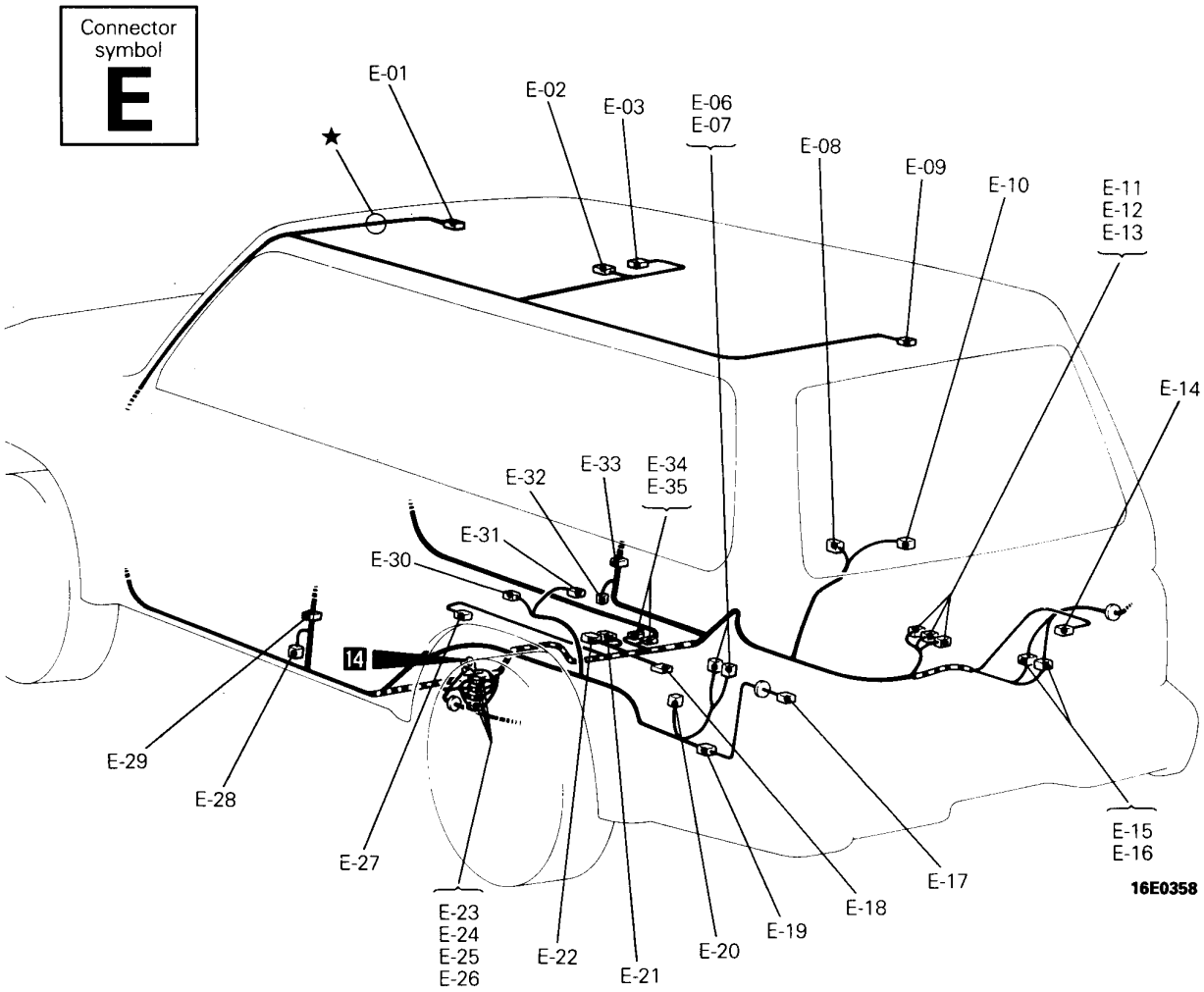
Connector symbol **E**



E-01	Map lamp or room lamp
E-02	Room lamp
E-03	—
E-04	—
E-05	—
E-06, E-07	Accessory socket
E-08	—
E-09	Cargo space lamp
E-10	Rear speaker (RH)
E-11, E-12, E-13	ABS control unit
E-14	—
E-15, E-16	Back door wiring harness and body wiring harness combination
E-17	Rear combination lamp (LH)
E-18	Rear heater assembly
E-19	Rear combination lamp harness and body wiring harness combination
E-20	Variable shock absorber control unit
E-21	Rear differential lock air pump
E-22	Rear differential lock control unit
E-23 thru E-26	Frame wiring harness and body wiring harness combination
E-27	Rear heater control switch
E-28	Front door switch (LH)
E-29	—
E-30	—
E-31	Rear speaker (LH)
E-32	Front door switch (RH)
E-33	—
E-34, E-35	Control wiring harness and body wiring harness combination

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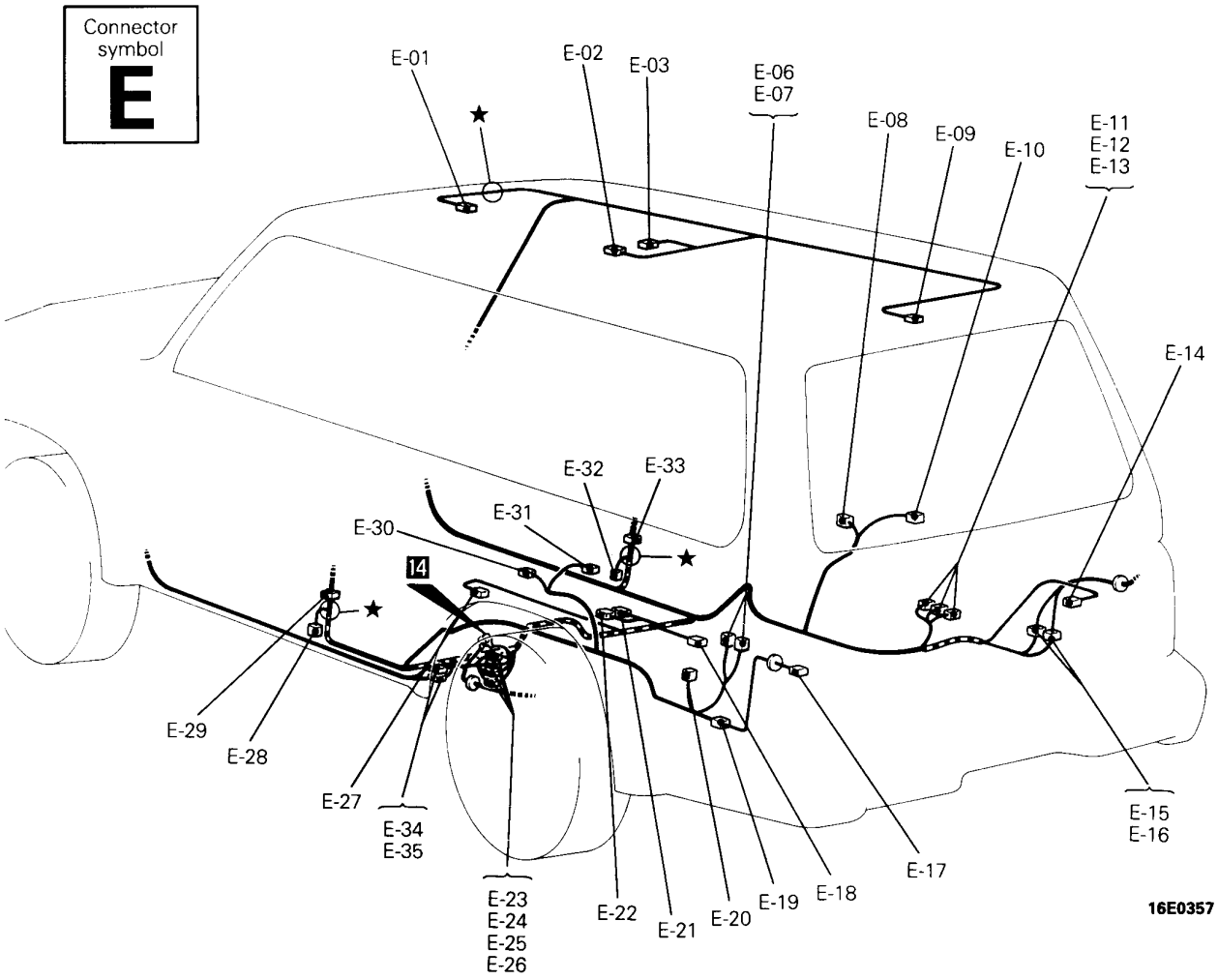
6-3 4-door models <L.H. drive vehicles>



E-01	Map lamp
E-02	Room lamp
E-03	Sunroof assembly
E-04, E-05	—
E-06, E-07	Accessory socket
E-08	Rear door switch (RH)
E-09	Cargo space lamp
E-10	Rear speaker (RH)
E-11, E-12, E-13	ABS control unit
E-14	Rear A/C control unit
E-15, E-16	Back door wiring harness and body wiring harness combination
E-17	Rear combination lamp (LH)
E-18	Rear heater assembly
E-19	Rear combination lamp harness and body wiring harness combination
E-20	Variable shock absorber control unit
E-21	Rear differential lock air pump
E-22	Rear differential lock control unit
E-23 thru E-26	Frame wiring harness and body wiring harness combination
E-27	Rear heater control switch or rear A/C control switch <Dual A/C>
E-28	Front door switch (LH)
E-29	Rear door wiring harness (LH) and body wiring harness combination
E-30	Rear door switch (LH)
E-31	Rear speaker (LH)
E-32	Front door switch (RH)
E-33	Rear door wiring harness (RH) and body wiring harness combination
E-34, E-35	Control wiring harness and body wiring harness combination

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6-4 4-door models <R.H. drive vehicles>



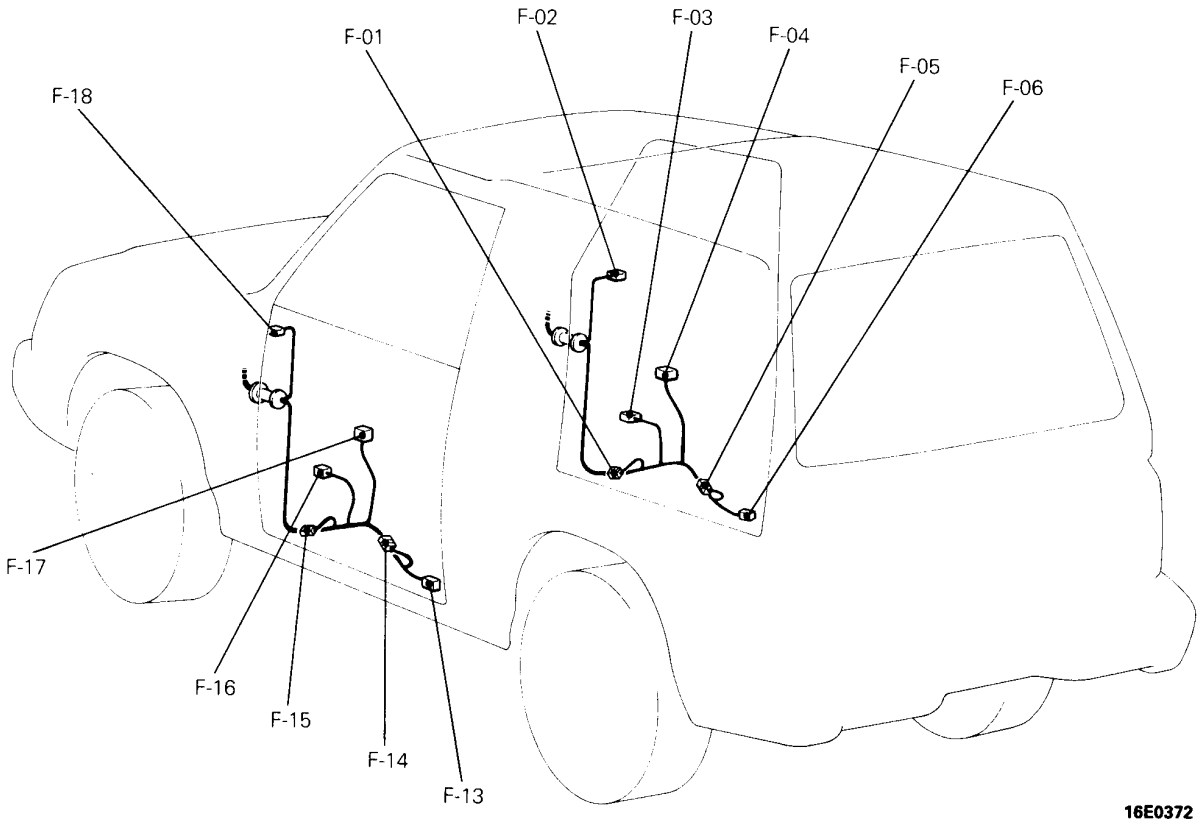
E-01	Map lamp
E-02	Room lamp
E-03	Sunroof assembly
E-04, E-05	—
E-06, E-07	Accessory socket
E-08	Rear door switch (RH)
E-09	Cargo space lamp
E-10	Rear speaker (RH)
E-11, E-12, E-13	ABS control unit
E-14	Rear A/C control unit
E-15, E-16	Back door wiring harness and body wiring harness combination
E-17	Rear combination lamp (LH)
E-18	Rear heater assembly
E-19	Rear combination lamp harness and body wiring harness combination
E-20	Variable shock absorber control unit
E-21	Rear differential lock air pump
E-22	Rear differential lock control unit
E-23 thru E-26	Frame wiring harness and body wiring harness combination
E-27	Rear heater control switch or rear A/C control switch <Dual A/C>
E-28	Front door switch (LH)
E-29	Rear door wiring harness (LH) and body wiring harness combination
E-30	Rear door switch (LH)
E-31	Rear speaker (LH)
E-32	Front door switch (RH)
E-33	Rear door wiring harness (RH) and body wiring harness combination
E-34, E-35	Control wiring harness and body wiring harness combination

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7 DOOR

7-1 2-door models 〈L.H. drive vehicles〉

Connector symbol
F



F-01	No connection *
F-02	Remote controlled mirror (RH)
F-03	Power window motor (Front: RH)
F-04	Power window sub switch (Front: RH)
F-05	Door key cylinder switch 〈Vehicles with central door locking〉
F-06	Door lock actuator (Front: RH)
F-07 thru F-12	—
F-13	Door lock actuator (Front: LH)
F-14	No connection 〈Vehicles with central door locking〉
F-15	No connection *
F-16	Power window motor (Front: LH)
F-17	Power window main switch (Front: LH)
F-18	Remote controlled mirror (LH)

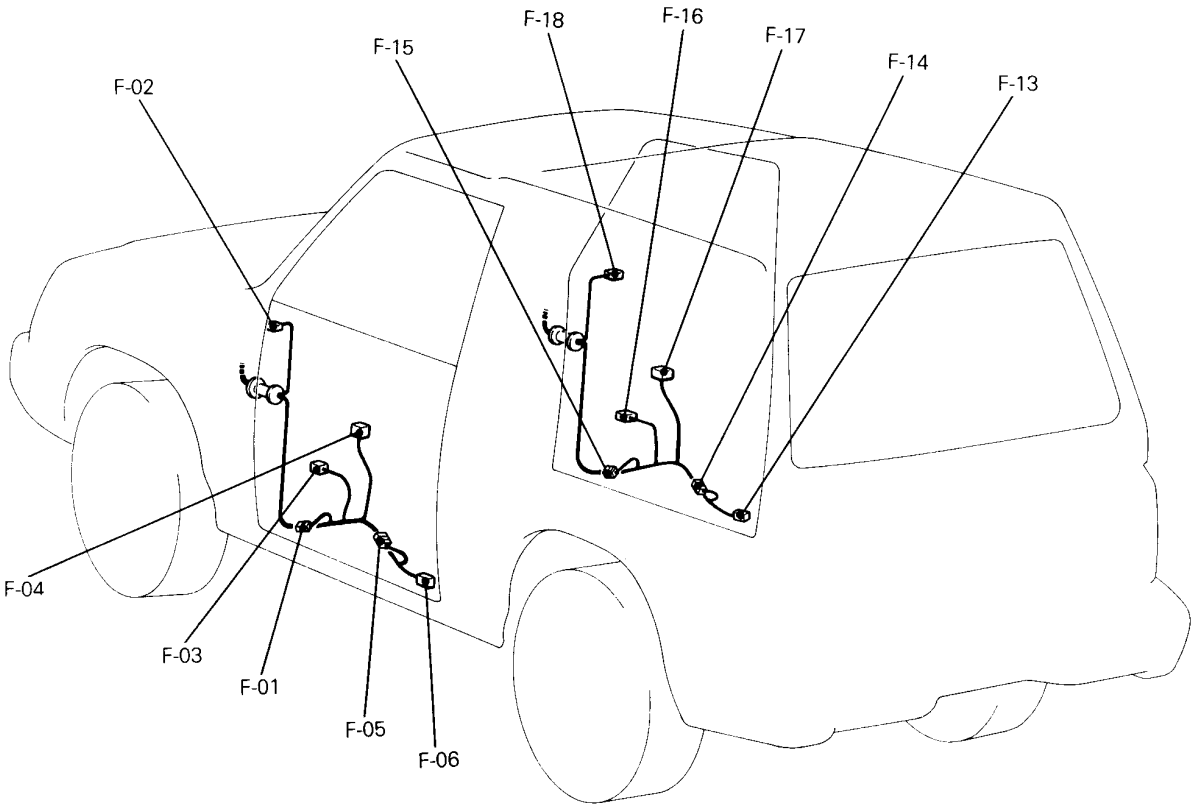
Note
* is applicable only to vehicles with remote controlled mirror as an option.

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7-2 2-door models <R.H. drive vehicles>

Connector symbol
F



16E0372

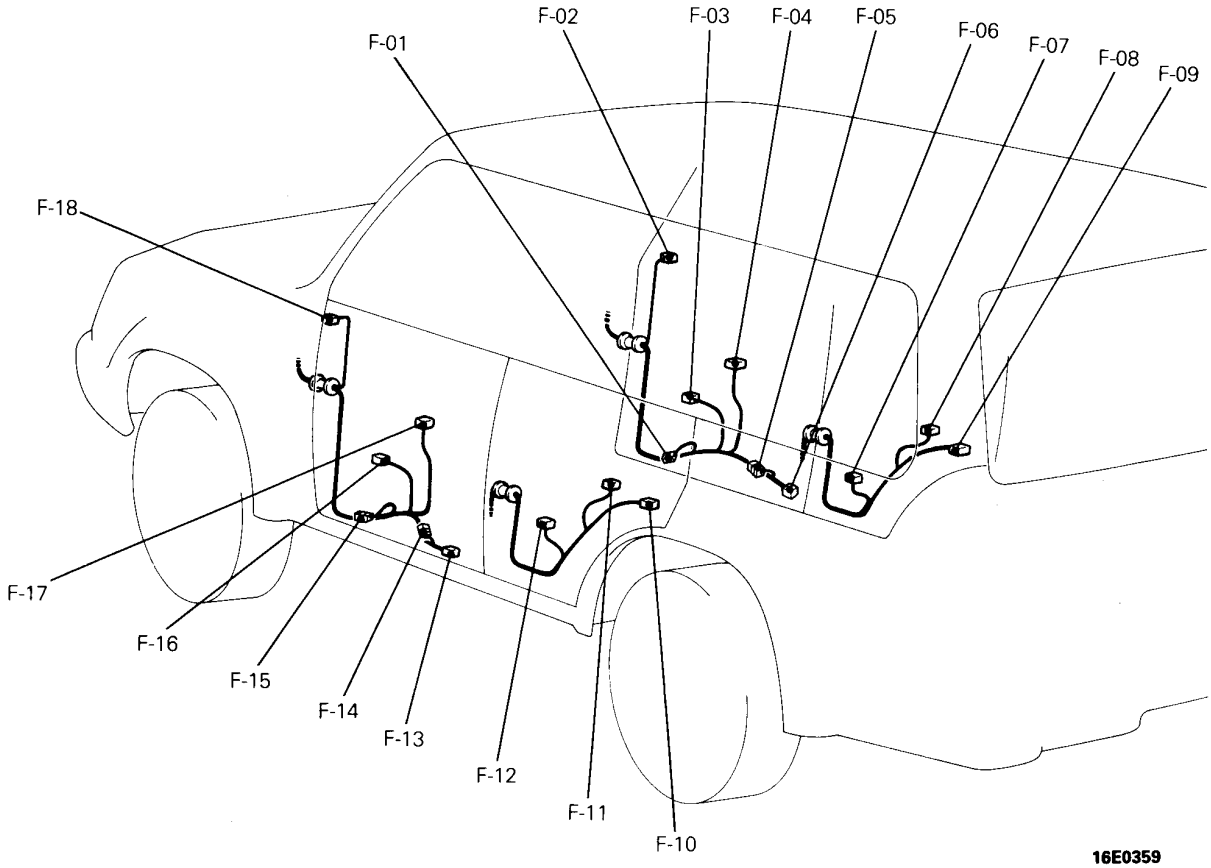
F-01	No connection *
F-02	Remote controlled mirror (LH)
F-03	Power window motor (Front: LH)
F-04	Power window sub switch (Front: LH)
F-05	Door key cylinder switch <Vehicles with central door locking>
F-06	Door lock actuator (Front: LH)
F-07 thru F-12	—
F-13	Door lock actuator (Front: RH)
F-14	No connection <Vehicles with central door locking>
F-15	No connection *
F-16	Power window motor (Front: RH)
F-17	Power window main switch (Front: RH)
F-18	Remote controlled mirror (RH)

Note
* is applicable only to vehicles with remote controlled mirror as an option.

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7-3 4-door models 〈L.H. drive vehicles〉

Connector symbol
F



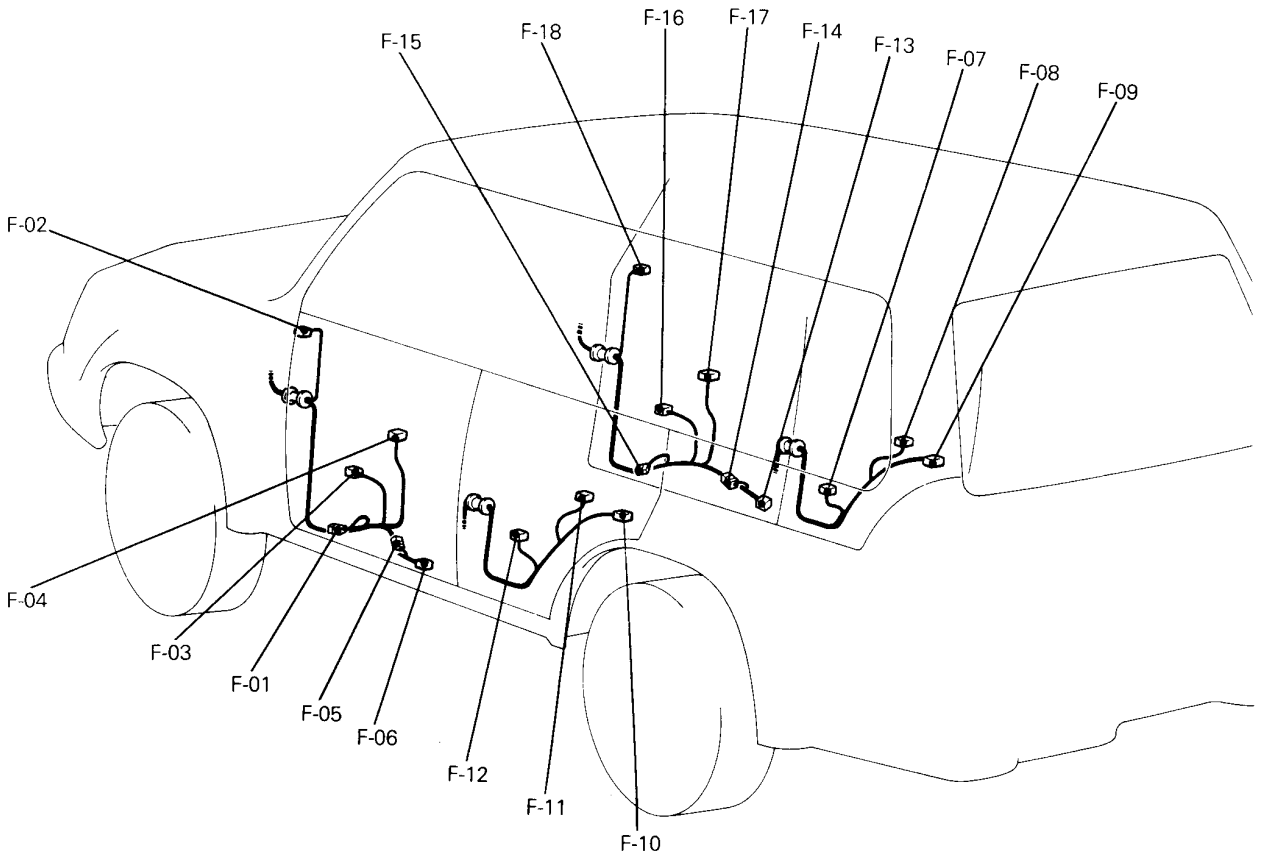
F-01	No connection *
F-02	Remote controlled mirror (RH)
F-03	Power window motor (Front: RH)
F-04	Power window sub switch (Front: RH)
F-05	Door key cylinder switch 〈Vehicles with central door locking〉
F-06	Door lock actuator (Front: RH)
F-07	Power window motor (Rear: RH)
F-08	Power window sub switch (Rear: RH)
F-09	Door lock actuator (Rear: RH)
F-10	Door lock actuator (Rear: LH)
F-11	Power window sub switch (Rear: LH)
F-12	Power window motor (Rear: LH)
F-13	Door lock actuator (Front: LH)
F-14	No connection 〈Vehicles with central door locking〉
F-15	No connection *
F-16	Power window motor (Front: LH)
F-17	Power window main switch (Front: LH)
F-18	Remote controlled mirror (LH)

Note
* is applicable only to vehicles with remote controlled mirror as an option.

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7-4 4-door models <R.H. drive vehicles>

Connector symbol **F**



16E0359

F-01 No connection *
F-02 Remote controlled mirror (LH)
F-03 Power window motor (Front: LH)
F-04 Power window sub switch (Front: LH)
F-05 Door key cylinder switch <Vehicles with central door locking>
F-06 Door lock actuator (Front: LH)
F-07 Power window motor (Rear: RH)
F-08 Power window sub switch (Rear: RH)
F-09 Door lock actuator (Rear: RH)
F-10 Door lock actuator (Rear: LH)
F-11 Power window sub switch (Rear: LH)
F-12 Power window motor (Rear: LH)
F-13 Door lock actuator (Front: RH)
F-14 No connection <Vehicles with central door locking>
F-15 No connection *
F-16 Power window motor (Front: RH)
F-17 Power window main switch (Front: RH)
F-18 Remote controlled mirror (RH)

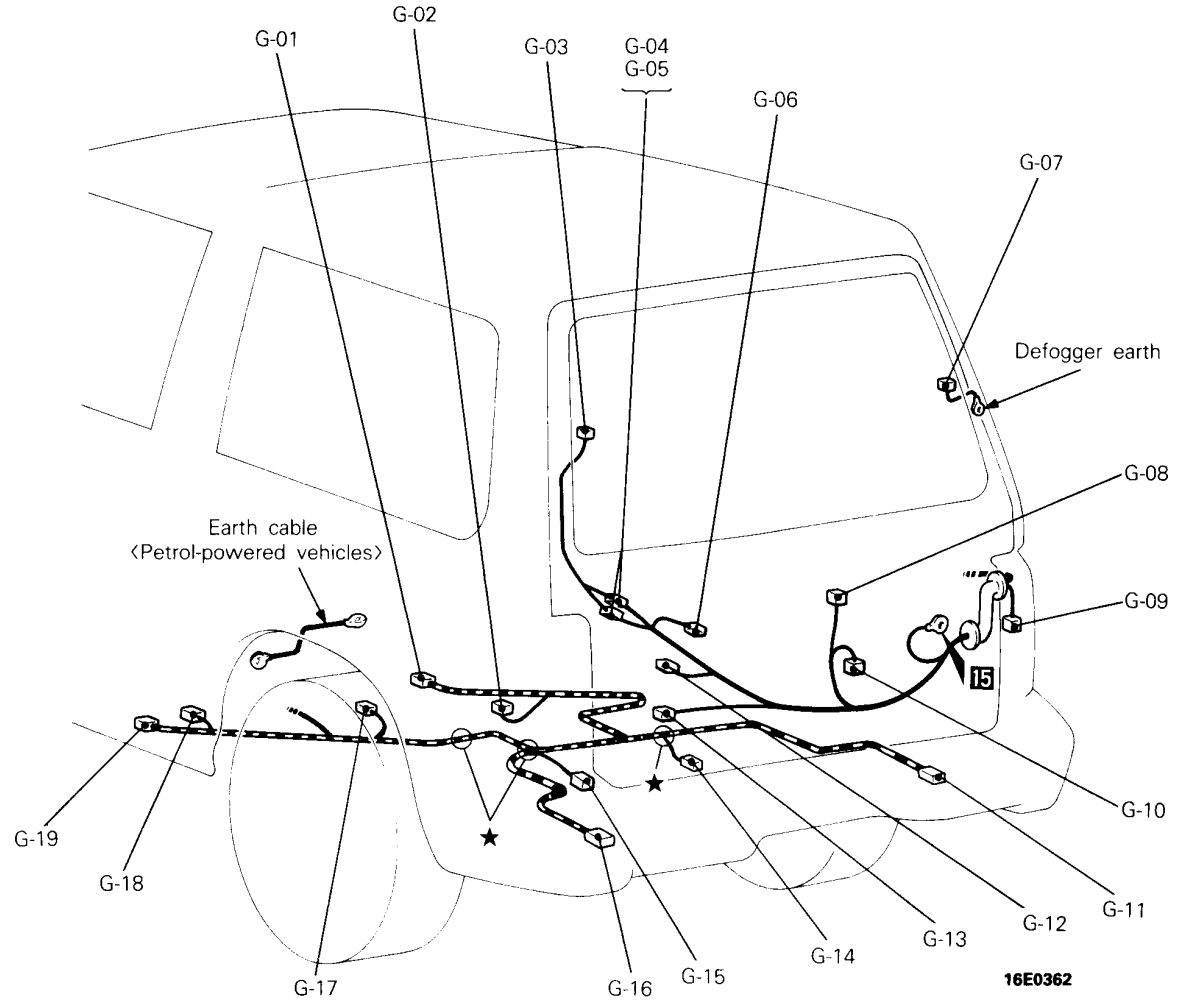
Note
* is applicable only to vehicles with remote controlled mirror as an option.

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8 BACK DOOR AND REAR UNDER FLOOR

Connector symbol **G**



G-01	Speed sensor (Rear: RH) <ABS>
G-02	Shock absorber (Rear: RH) <Remote controlled variable shock absorber>
G-03	Defogger (+)
G-04, G-05	Defogger cable and back door wiring harness combination
G-06	Back door switch
G-07	Defogger (−)
G-08	Rear wiper motor
G-09	Rear combination lamp (RH)
G-10	Rear washer motor
G-11	Rear combination lamp (In bumper: RH)
G-12	License plate lamp
G-13	Door lock actuator (Back door)
G-14	Fuel pump <MPI>
G-15	Fuel gauge unit
G-16	Rear combination lamp (In bumper: LH)
G-17	Shock absorber (Rear: LH) <Remote controlled variable shock absorber>
G-18	Speed sensor (Rear: LH) <ABS>
G-19	Rear differential lock detection switch

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3 SINGLE PART INSTALLATION POSITION

RELAY 3- 2
CONTROL UNIT 3- 5
SENSOR 3- 8
DIODE 3-11
INSPECTION TERMINAL 3-12
FUSIBLE LINK AND FUSE 3-13
EARTH CABLE 3-14
EARTH 3-15

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RELAY

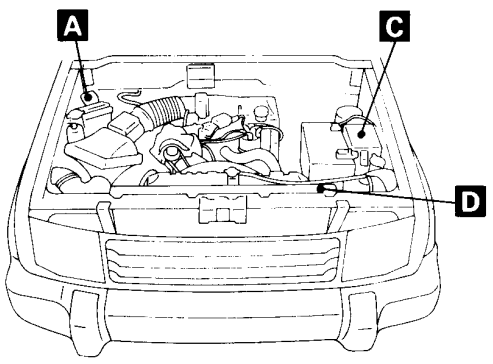
Name		Symbol
ABS motor relay		A
ABS power relay	LHD	G
	RHD	L
ABS valve relay		A
A/C compressor relay		C
Accessory socket relay		I
Alternator relay		C
Blower relay		I
Condenser fan motor control relay 〈Diesel-powered vehicles〉	LHD	D
	RHD	B
Condenser fan motor relay		C
Daytime running lamp relay 1		D
Daytime running lamp relay 2		D
Dim-dip lamp relay 1		L
Dim-dip lamp relay 2		L
Dim dip lamp relay 3		L
Engine control relay		H
Engine oil level relay		H
Glow plug relay 〈Auto glow〉		B
Glow plug relay 1 〈Super quick glow〉		B

Name		Symbol
Glow plug relay 2 〈Super quick glow〉		B
Headlamp relay		C
Headlamp washer relay	LHD	K
	RHD	L
Intercooler fan motor relay		C
Intermittent wiper relay (windshield wiper)		E
Intermittent wiper relay (rear wiper)		J
Overdrive control relay	LHD	K
	RHD	L
Power window relay		J
Rear fog lamp relay		C
Rear heater relay		J
Starter relay		B
Tail lamp relay		C
Turn and hazard flasher unit		J
Vehicle speed relay	LHD	F
	RHD	G
4WD indicator relay 〈Part time 4WD〉		G

NOTE
Names are listed in alphabetical order.

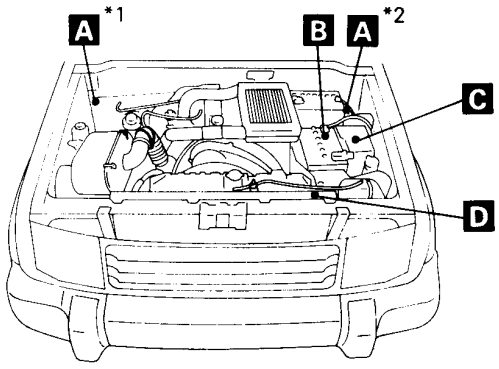
Engine compartment

〈Petrol-powered vehicles〉



16E0128

〈Diesel-powered vehicles〉



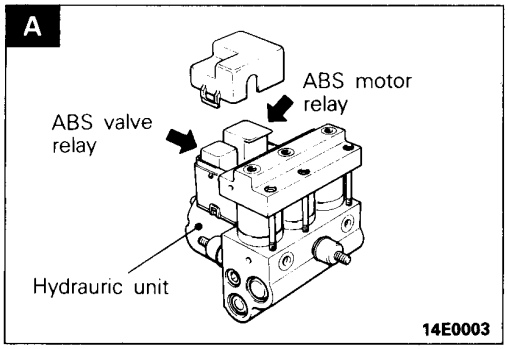
16E0129

Remark
*1: R.H. drive vehicles
*2: L.H. drive vehicles

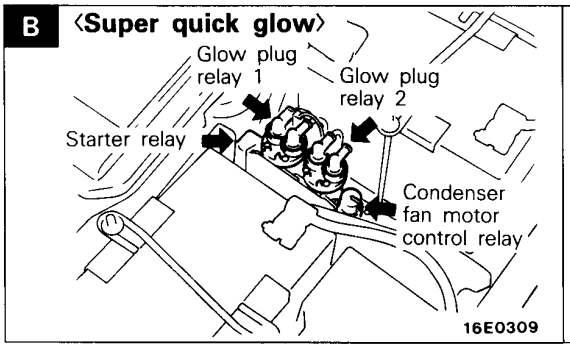
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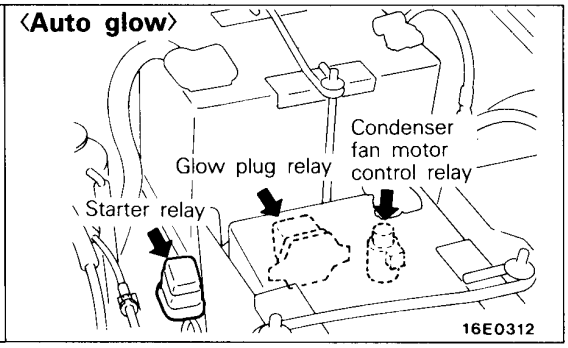
A



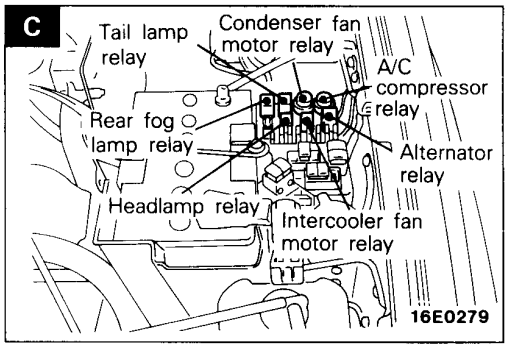
B 〈Super quick glow〉



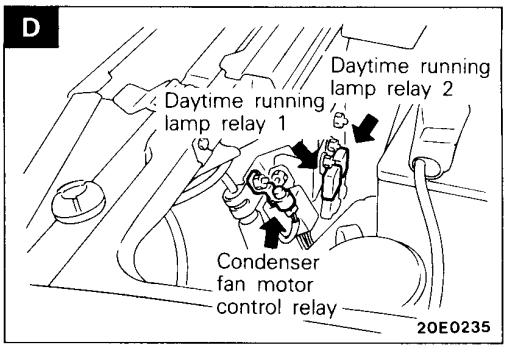
〈Auto glow〉



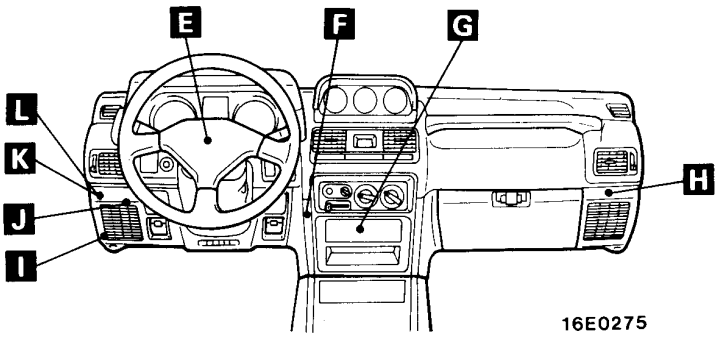
C



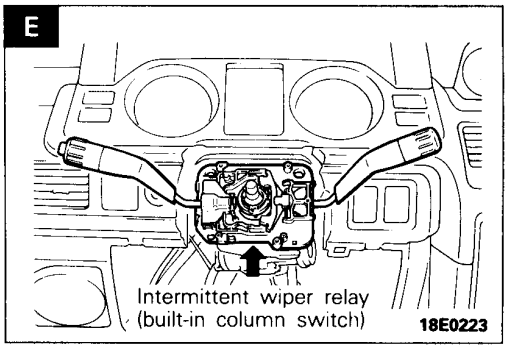
D



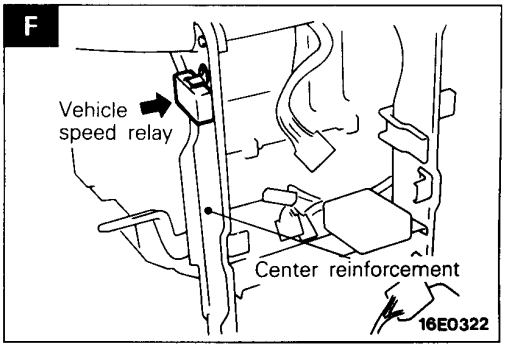
Interior



E



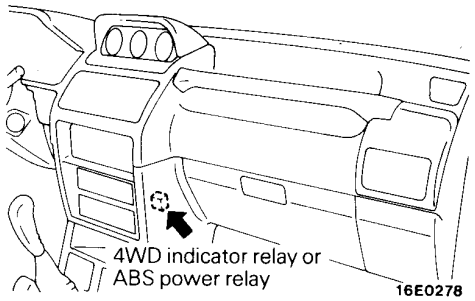
F



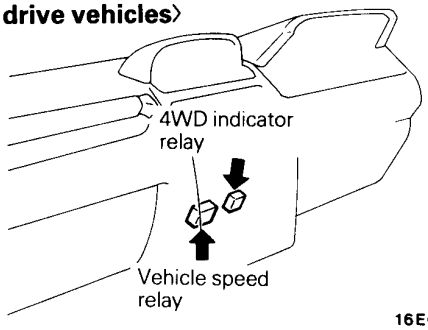
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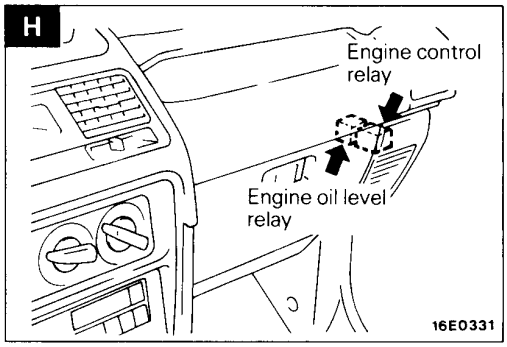
G 〈L.H. drive vehicles〉



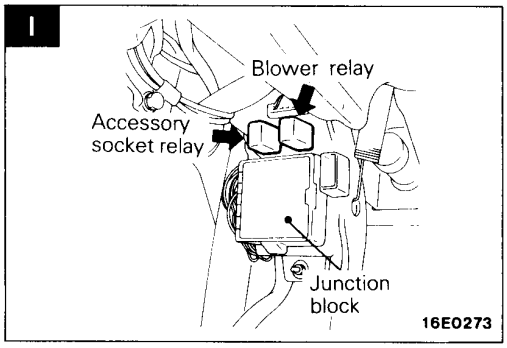
〈R.H. drive vehicles〉



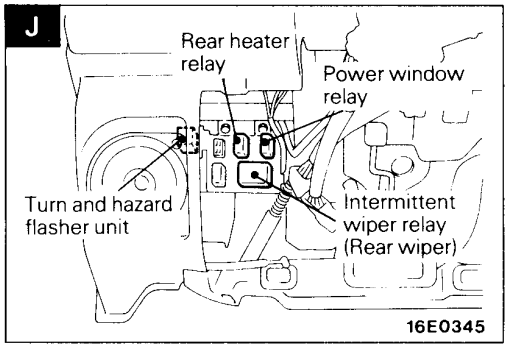
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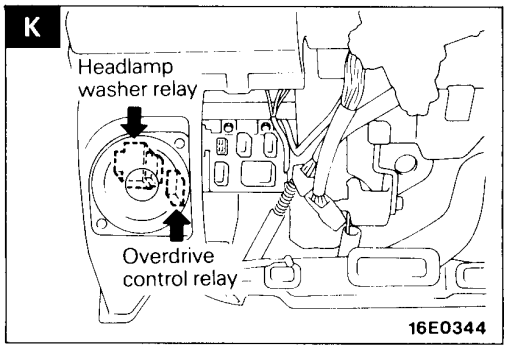
I



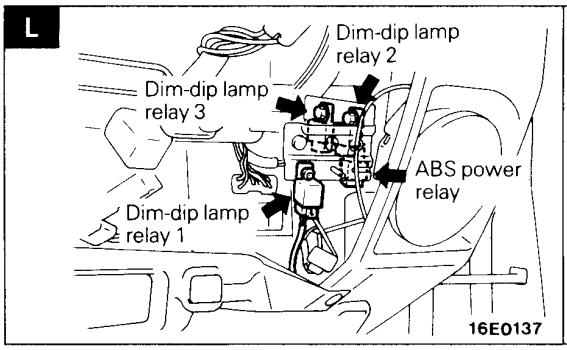
J

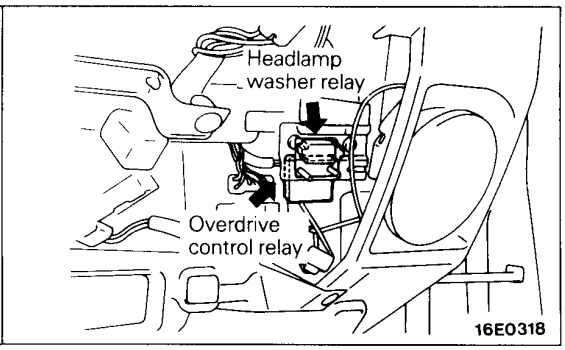


K



L





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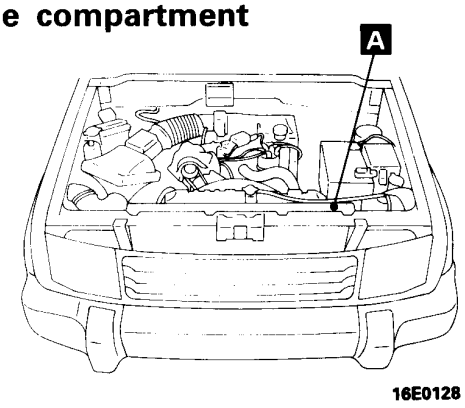
CONTROL UNIT

Name		Symbol
ABS control unit		L
A/C control unit (front)		D
A/C control unit (rear)		K
Auto-cruise control unit	LHD	C
	RHD	B
Daytime running lamp control unit		A
Door lock control unit		H
Engine control unit		F
Fuel line heater control unit		E
Glow control unit		F

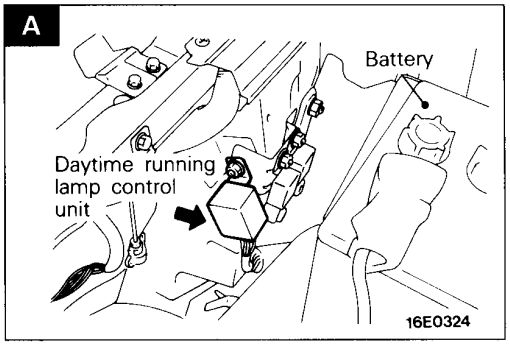
Name		Symbol
Intercooler fan control unit <Vehicles with fuel line heater>		F
Intercooler fan control unit <Vehicles without fuel line heater>		E
Motor antenna control unit		G
Rear differential lock control unit	4-door models	M
	2-door models	J
Sunroof control unit		I
Variable shock absorber control unit		M
4WD indicator control unit		G

NOTE
Names are listed in alphabetical order.

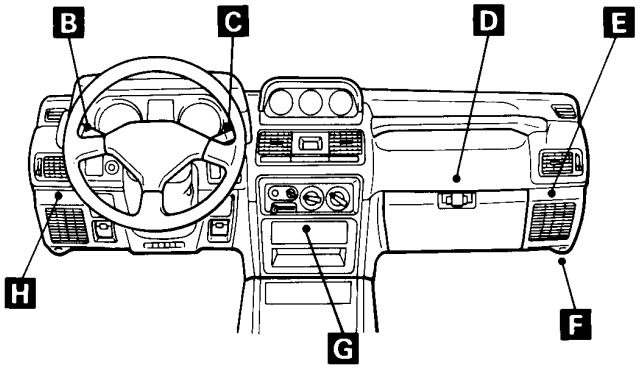
Engine compartment



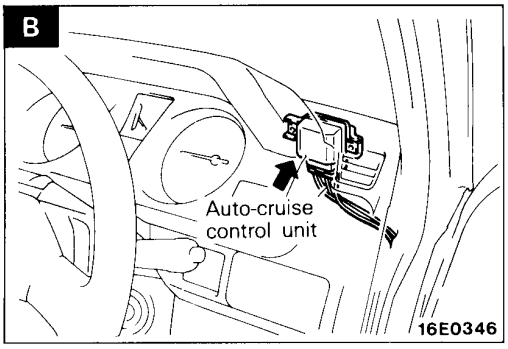
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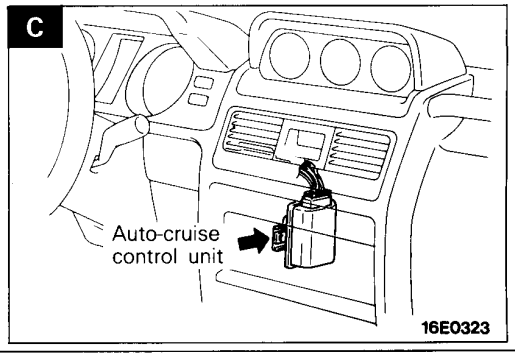


Interior



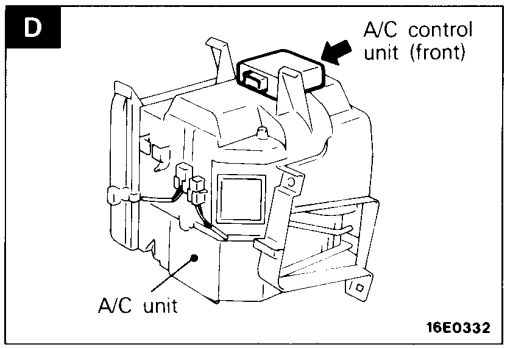
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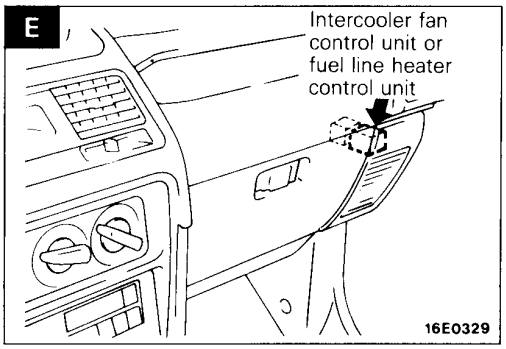


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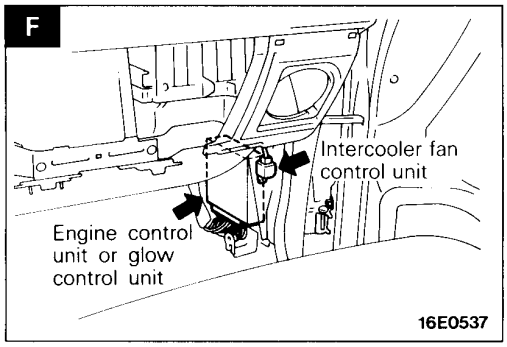
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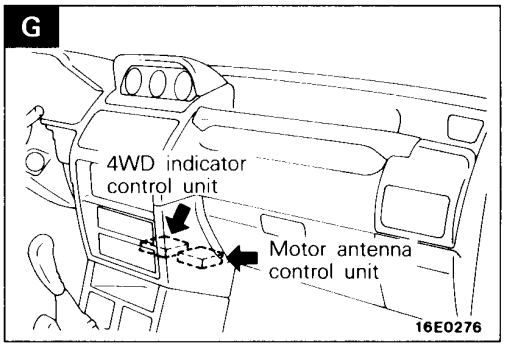
E



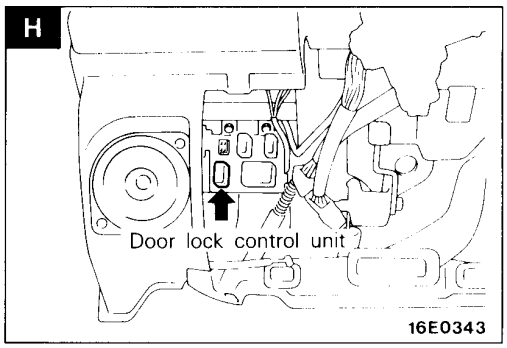
F



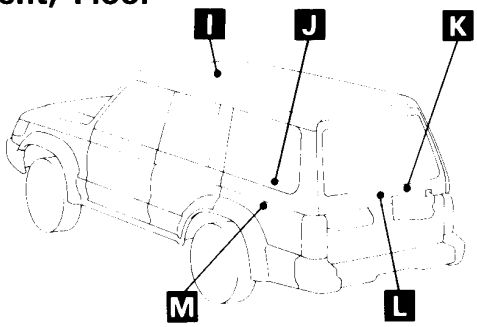
G



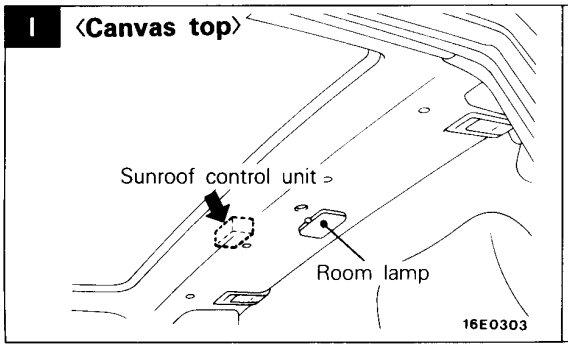
H



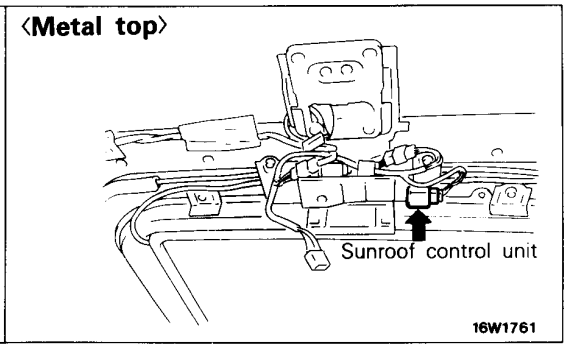
Roof, Luggage compartment, Floor



I ⟨Canvas top⟩



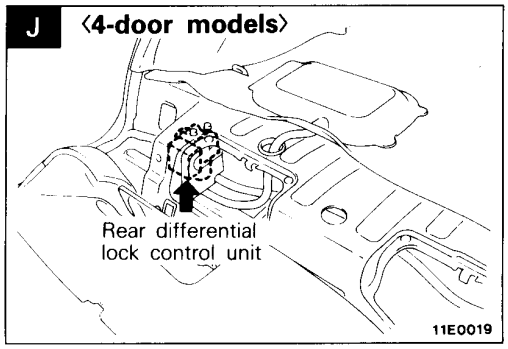
⟨Metal top⟩



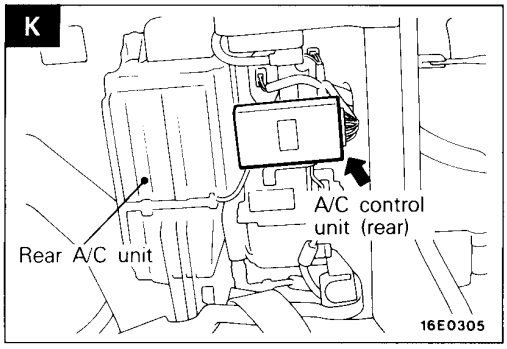
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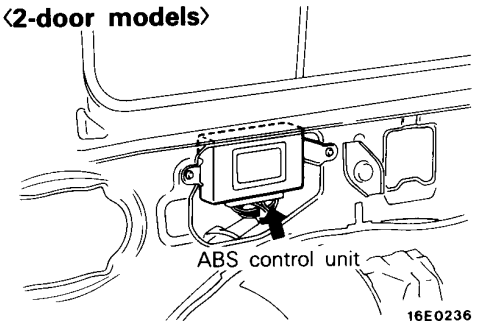
J 〈4-door models〉



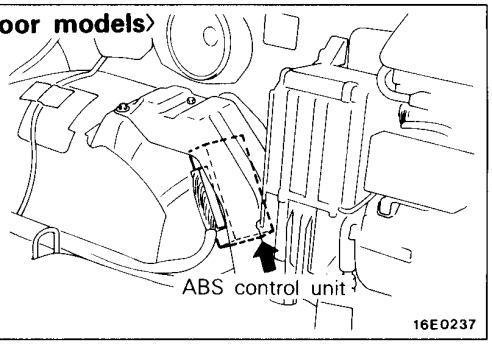
K



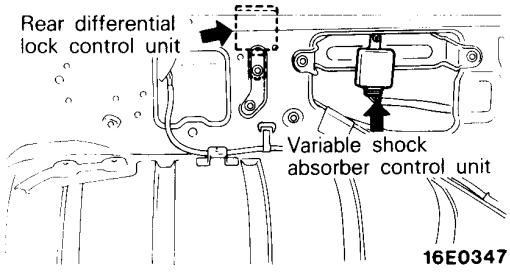
L 〈2-door models〉



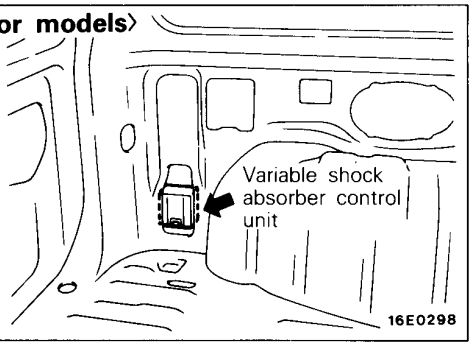
〈4-door models〉



M 〈2-door models〉



〈4-door models〉



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SENSOR

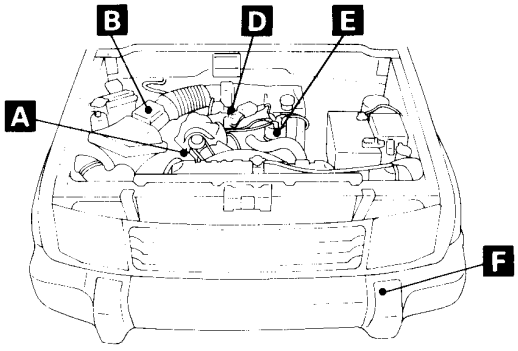
Name	Symbol
Air-flow sensor (with built-in atmospheric sensor, intake air temperature sensor)	B
Air inlet sensor	I
Air thermo sensor (front)	I
Air thermo sensor (rear)	L
Crank angle sensor and top dead center sensor	E
Engine coolant temperature gauge unit <Diesel-powered vehicles>	C
Engine coolant temperature sensor (for engine control)	D
Engine coolant temperature switch (for A/C) <MPI>	D
Fuel thermo sensor	O

Name	Symbol
Geomagnetic sensor	H
G sensor	K
Idle speed control actuator <4G64 engine>	D
Oxygen sensor	A
Reed switch	G
Speed sensor (front)	M
Speed sensor (rear)	N
Throttle position sensor	D
Thermo sensor (inside air)	J
Thermo sensor (outside air)	F

NOTE
Names are listed in alphabetical order.

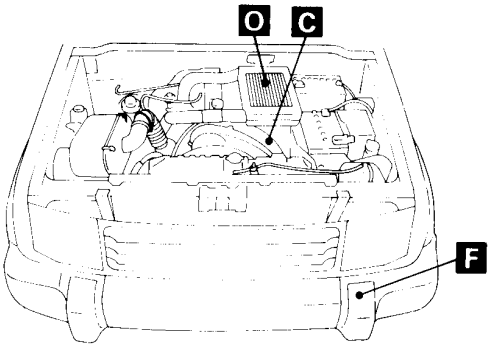
Engine compartment

<Petrol-powered vehicles>



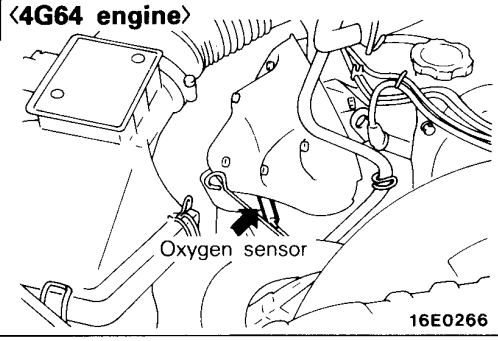
16E0128

<Diesel-powered vehicles>



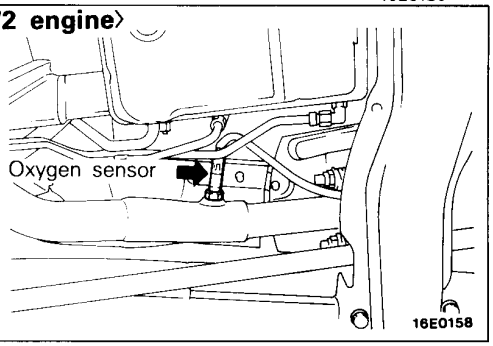
16E0129

A <4G64 engine>



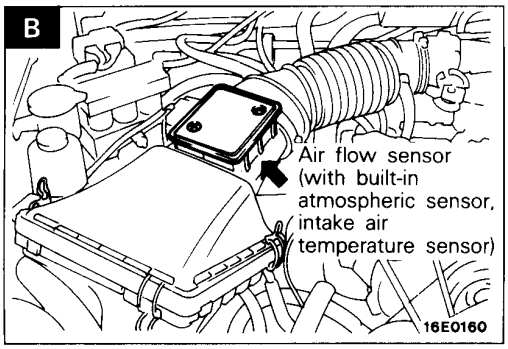
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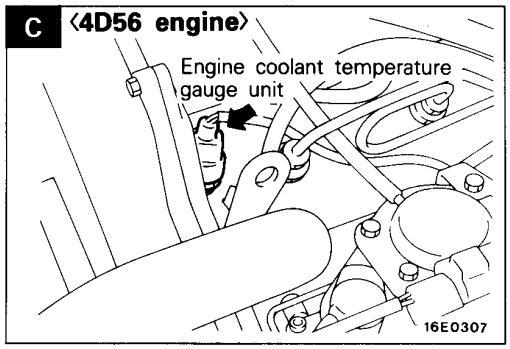
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B



16E0160

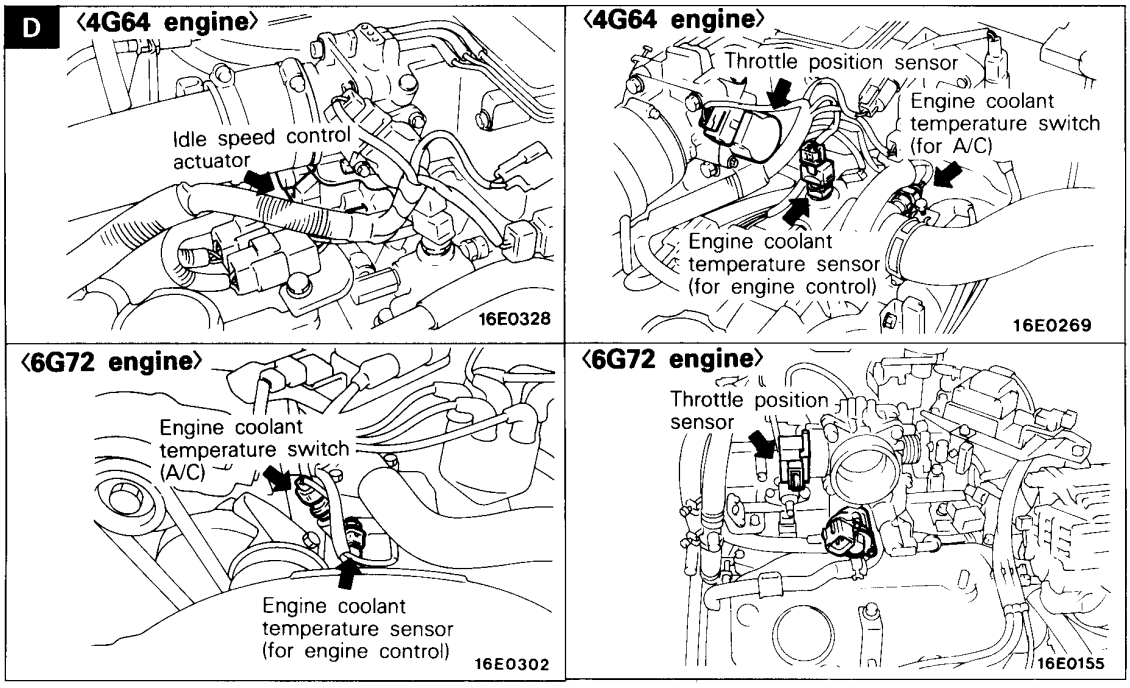
C <4D56 engine>



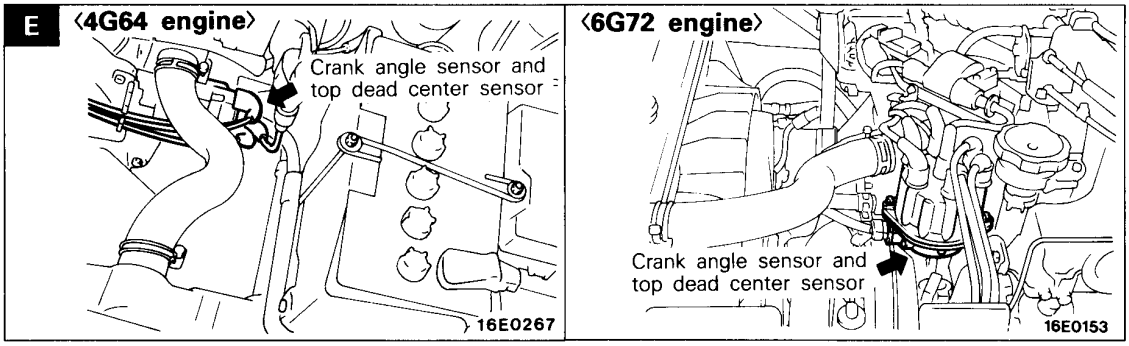
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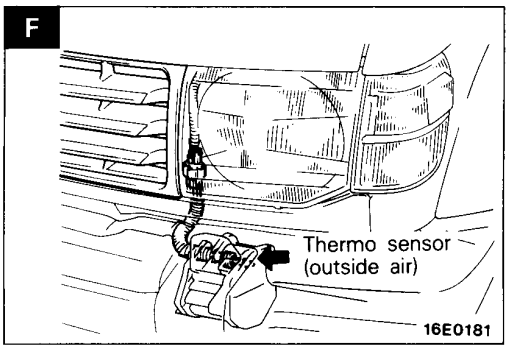
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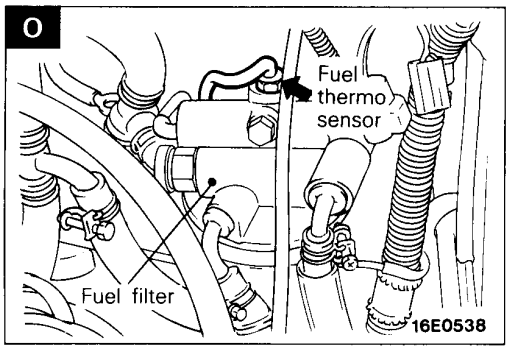
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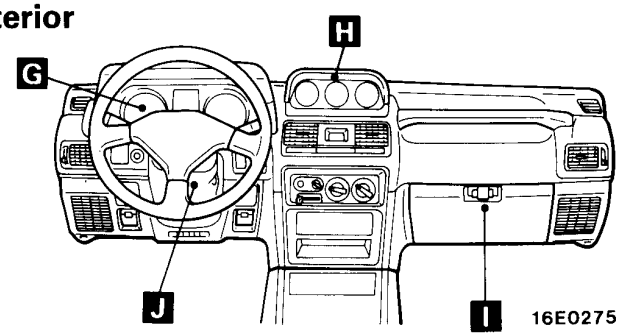
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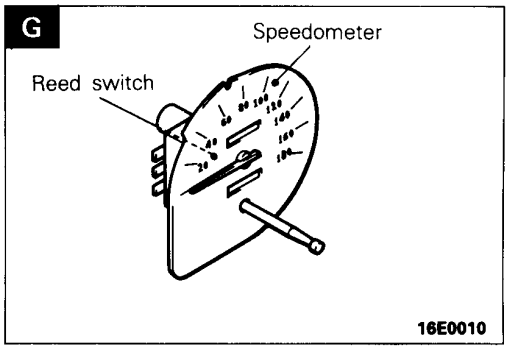
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Interior

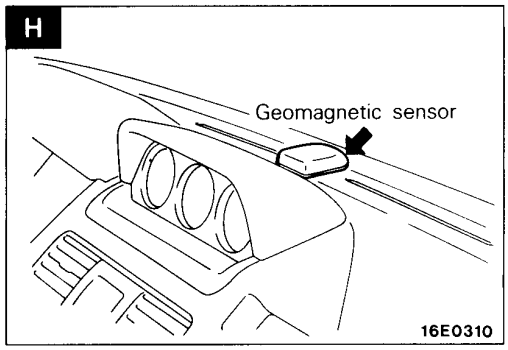


G

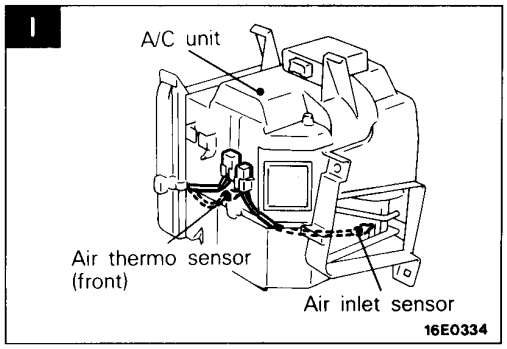


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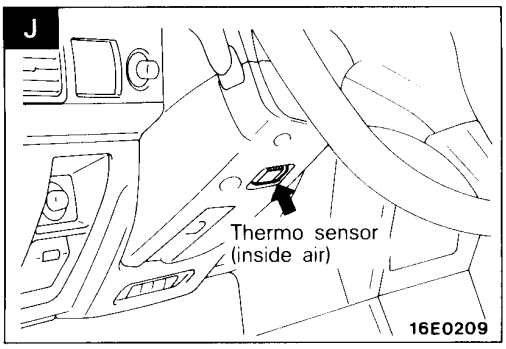
H



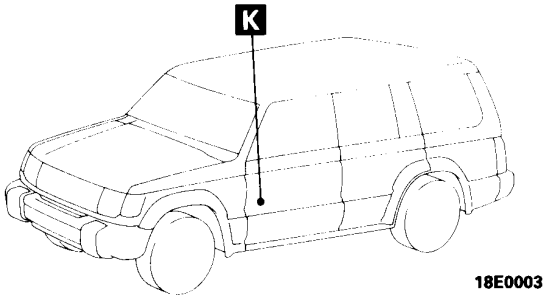
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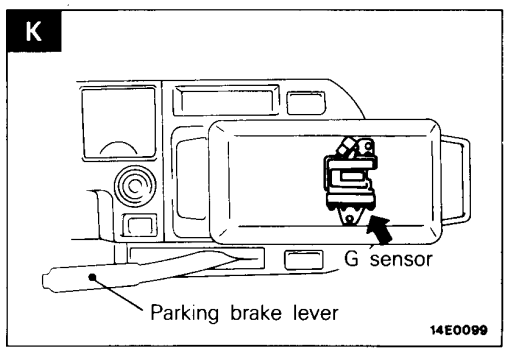
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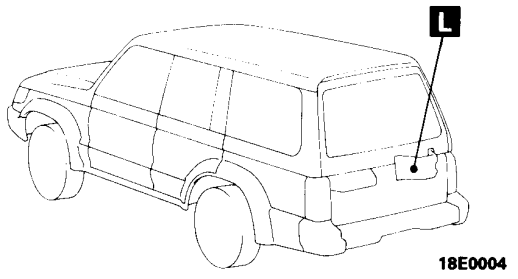
Floor



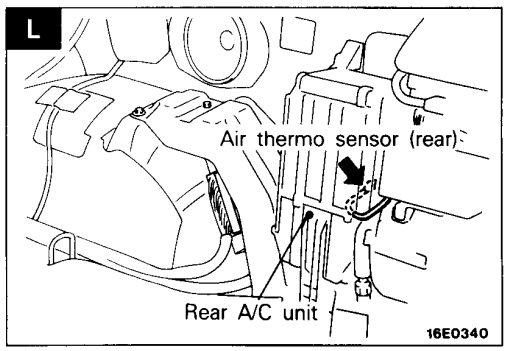
K



Luggage compartment

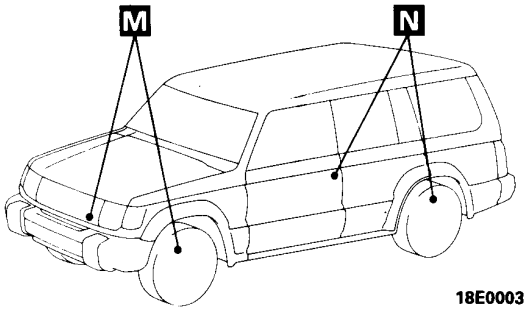


L

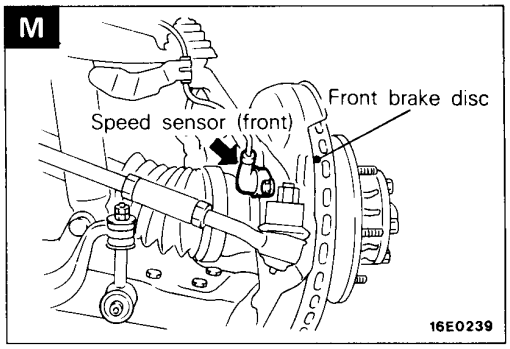


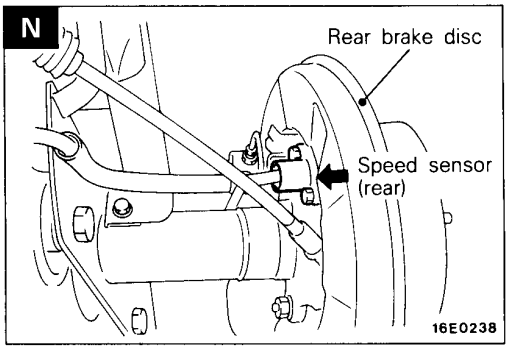
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Under floor



18E0003



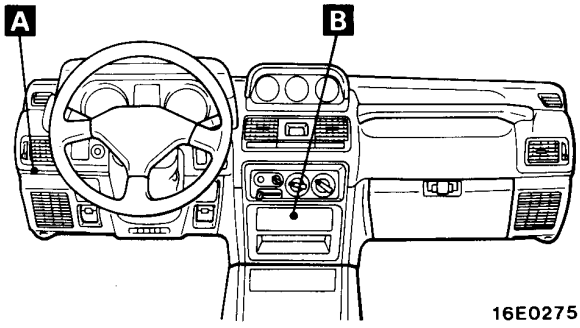


DIODE

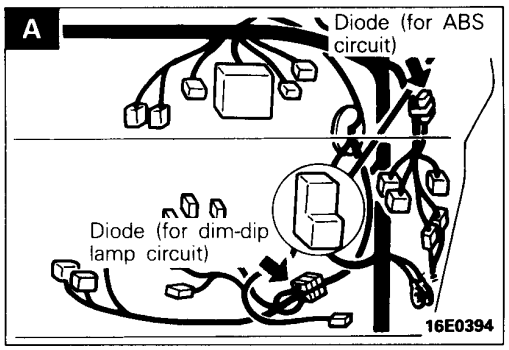
Name		Symbol	Name	Symbol
Diode (for ABS circuit)	LHD	B	Diode (for dim-dip lamp circuit)	A
	RHD	A	Diode (for dim-dip lamp circuit)	A

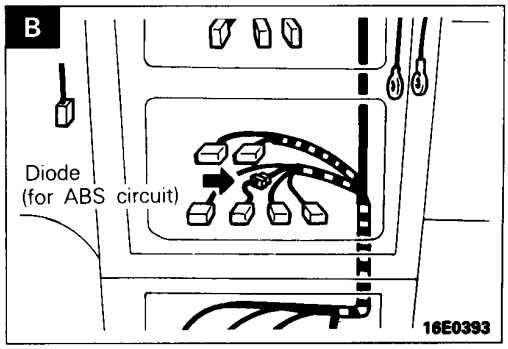
NOTE
Names are listed in alphabetical order.

Interior



16E0275





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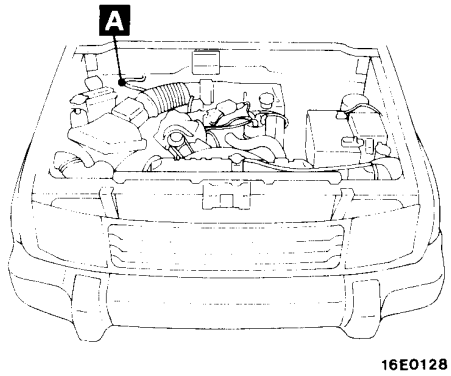
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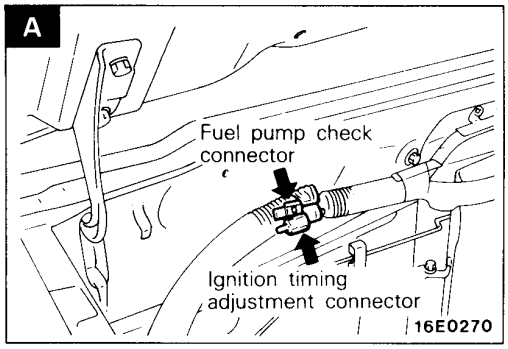
INSPECTION TERMINAL

Name	Symbol	Name	Symbol
Fuel pump check connector	A	Diagnosis connector	B
Ignition timing adjustment connector	A		

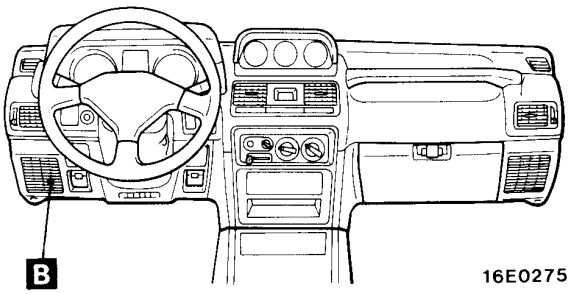
NOTE
Names are listed in alphabetical order.

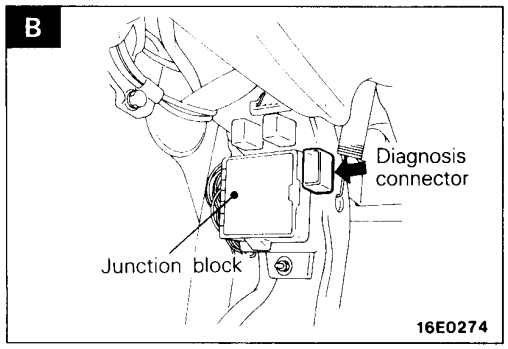
Engine compartment





Interior





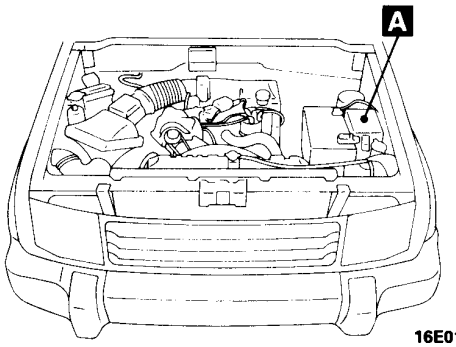
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FUSIBLE LINK AND FUSE

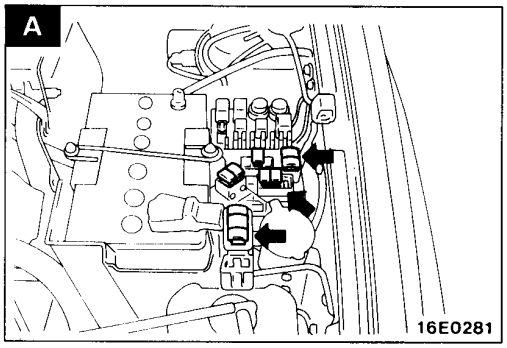
Name	Symbol	Name	Symbol
Dedicated fuse	A, B	Multi-purpose fuse	B
Fusible link	A		

NOTE
Names are listed in alphabetical order.

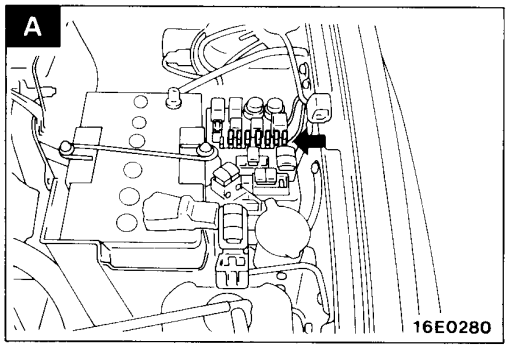
Engine compartment



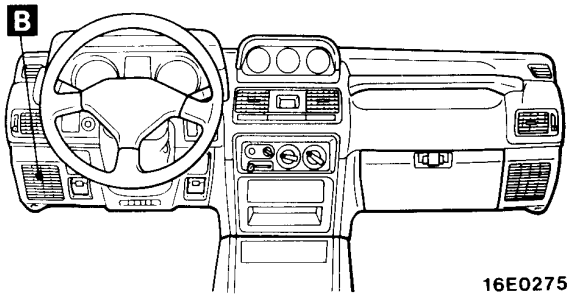
Fusible link



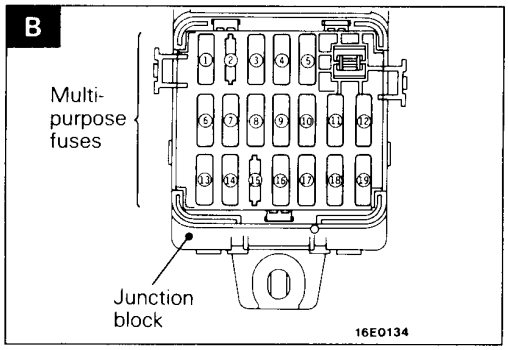
Dedicated fuse



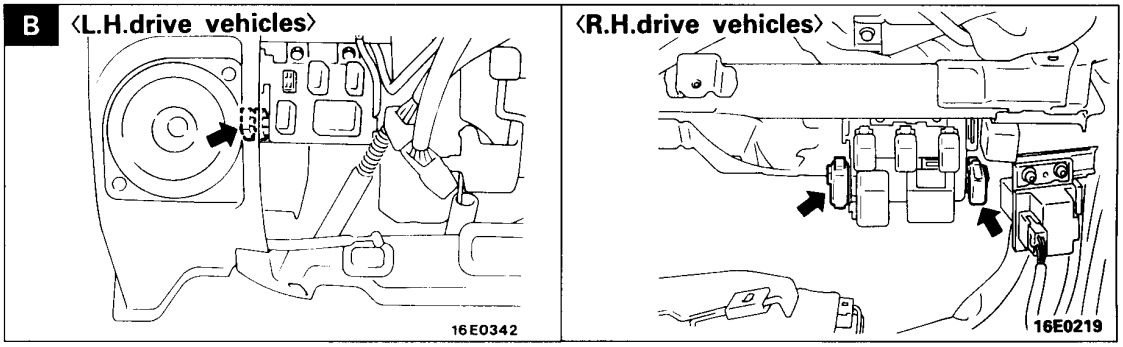
Interior



Multi-purpose fuse



Dedicated fuse

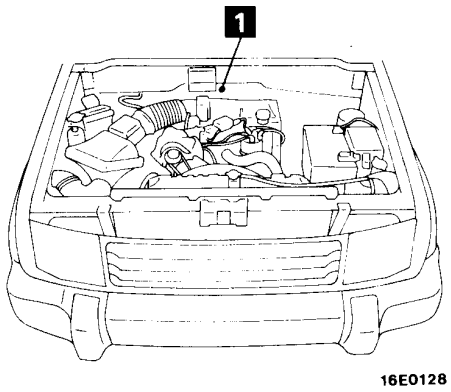


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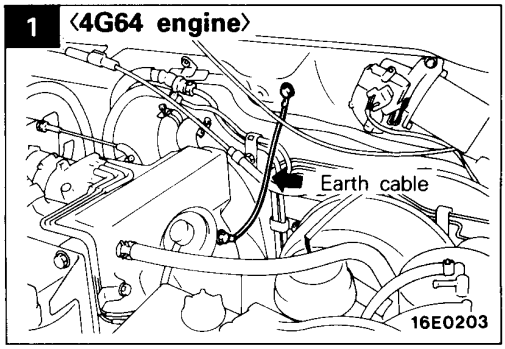
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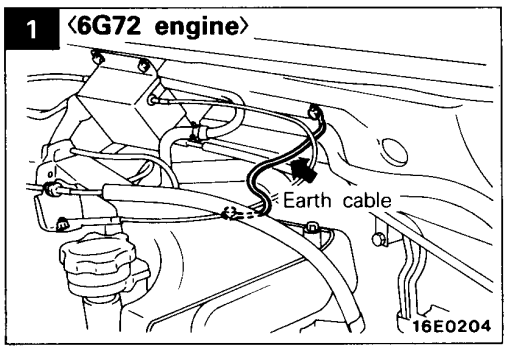
EARTH CABLE

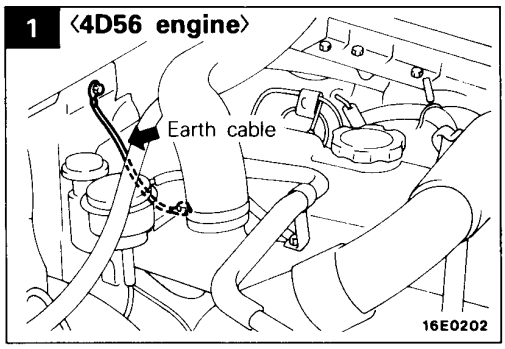
Engine compartment



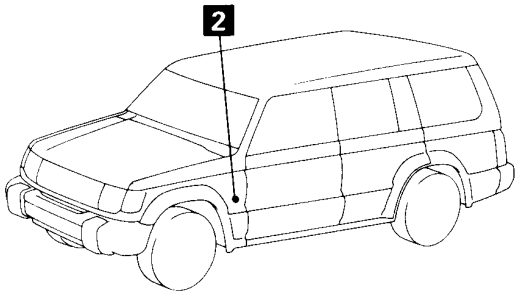
16E0128



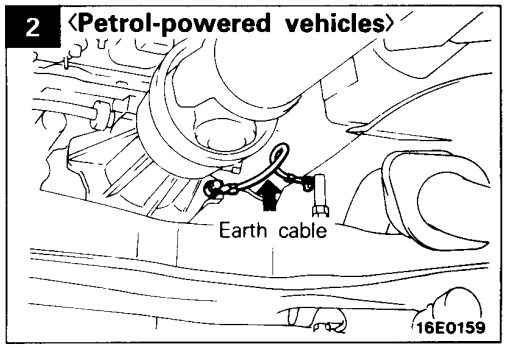




Under floor



18E0003

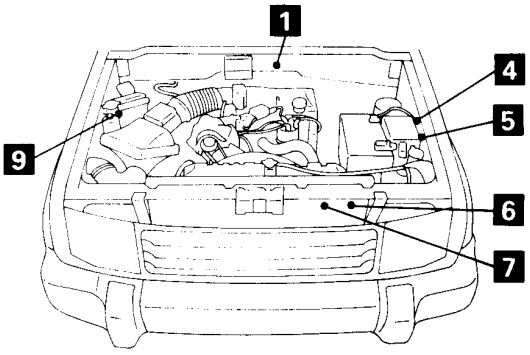


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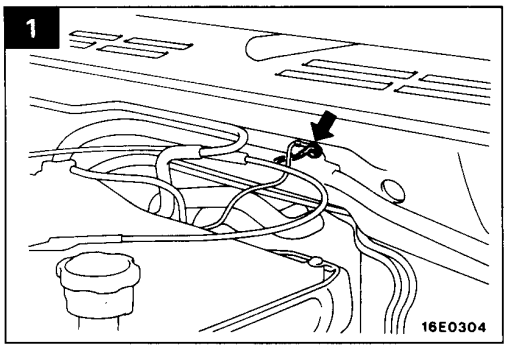
EARTH

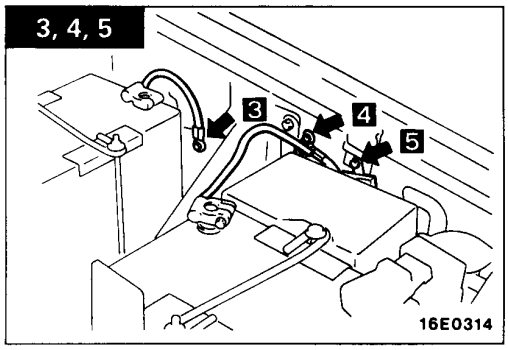
Engine compartment

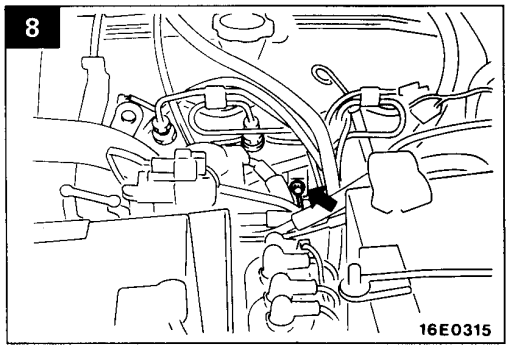
⟨Petrol-powered vehicles⟩



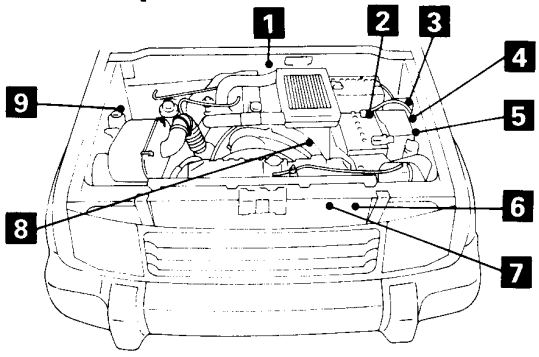
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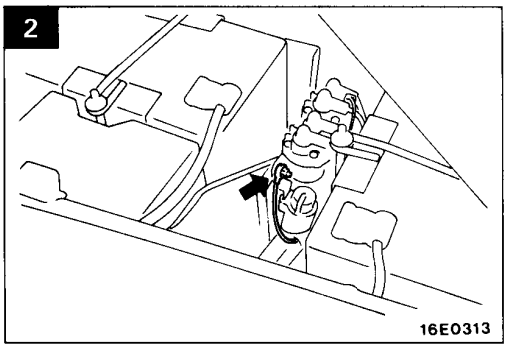


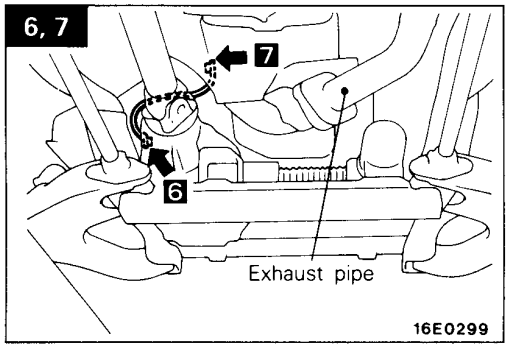


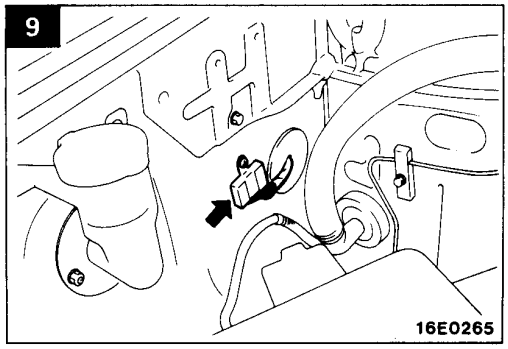
⟨Diesel-powered vehicles⟩



16E0129

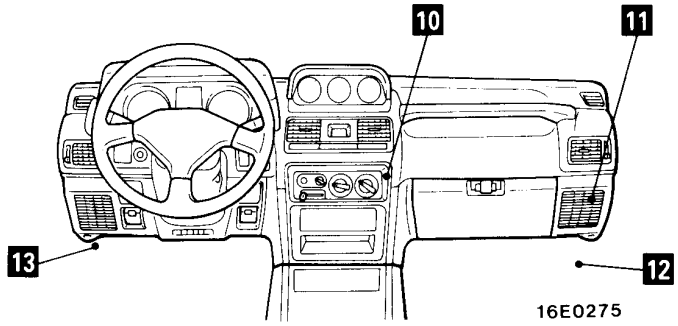


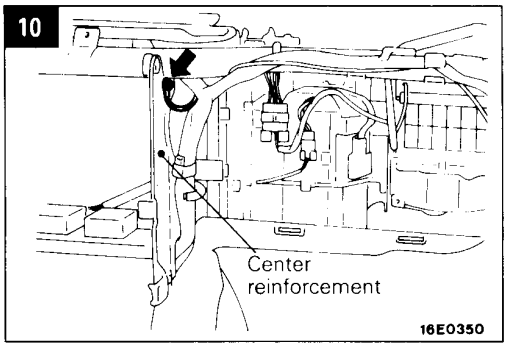


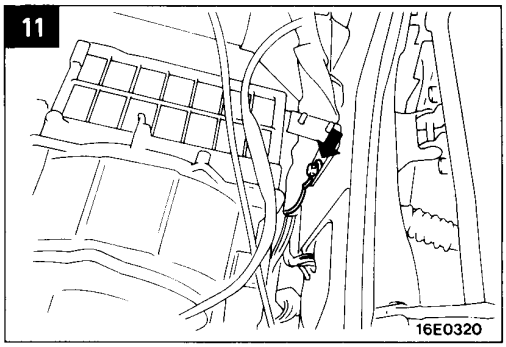


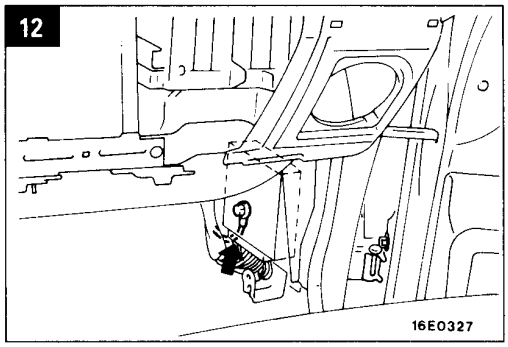
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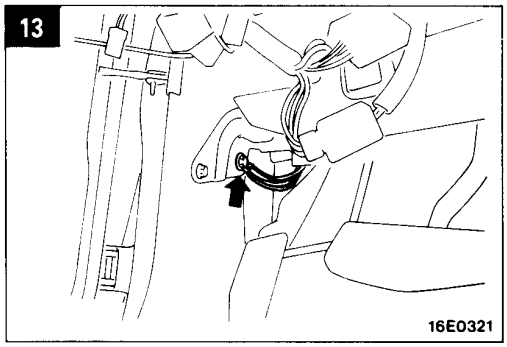
Interior



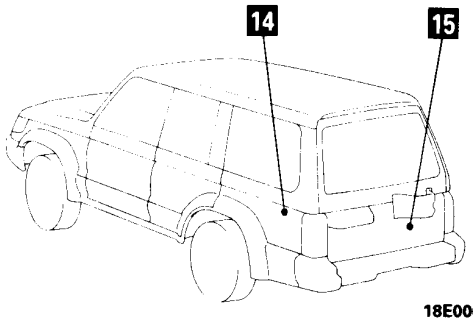


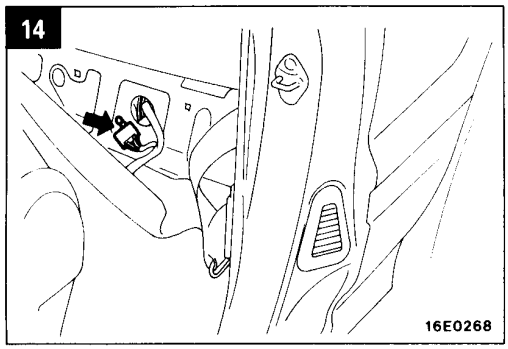


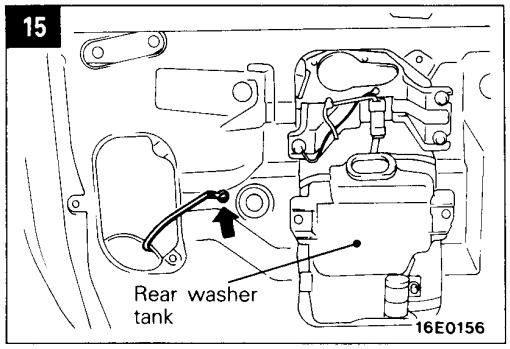




Floor, Rear door







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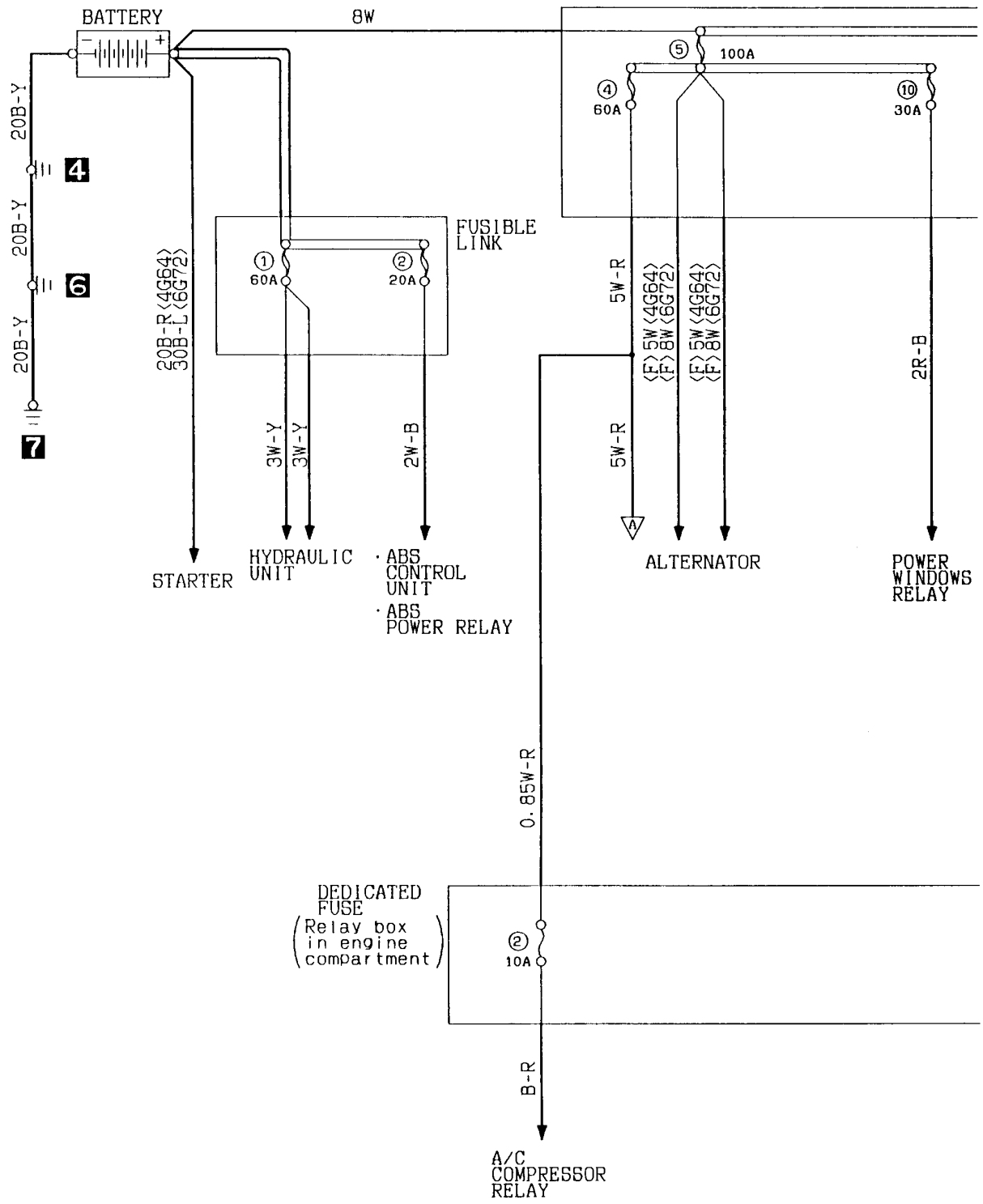
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NOTES

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1 POWER DISTRIBUTION SYSTEM

1-1 Petrol-powered vehicles

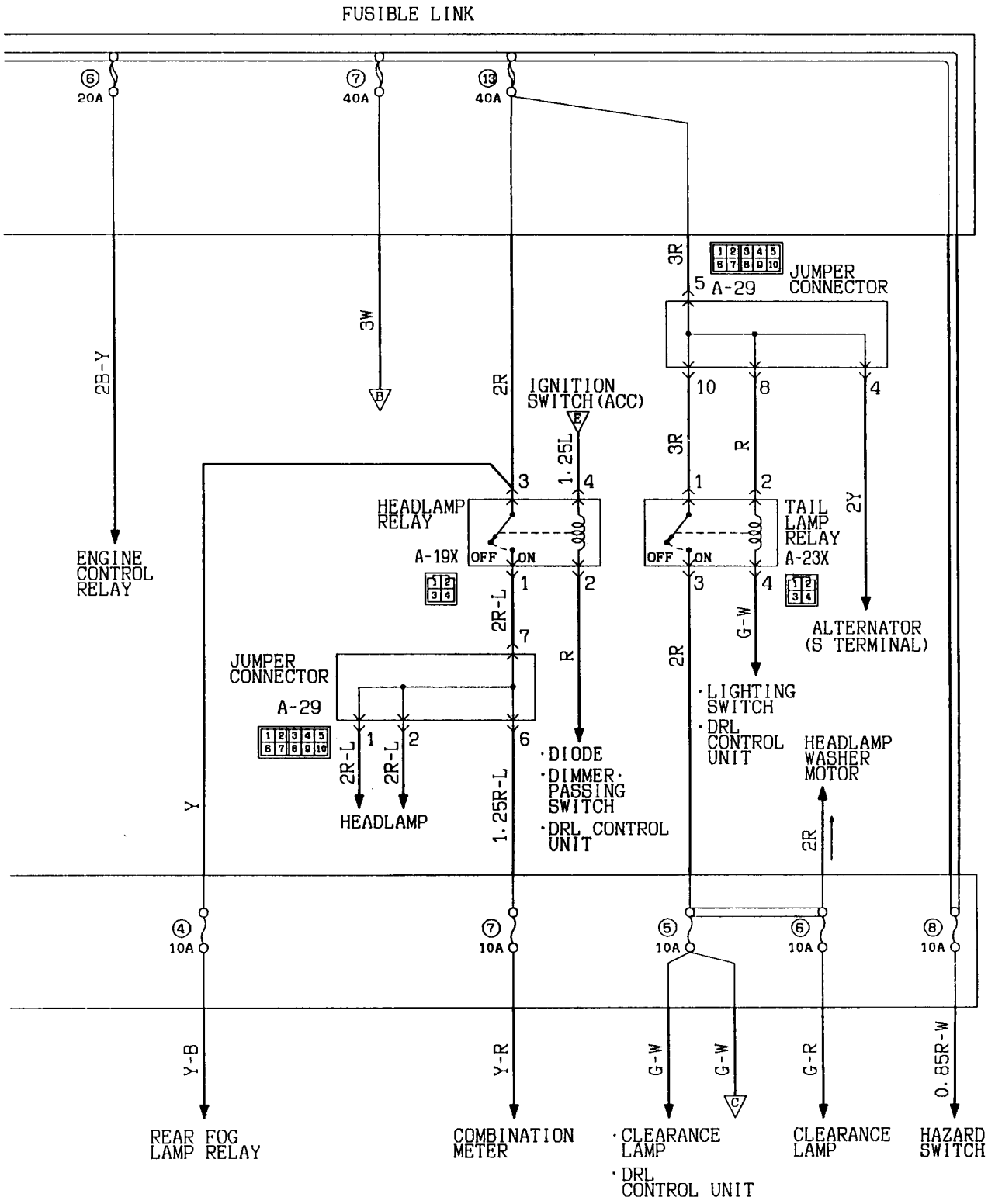


Wire colour code
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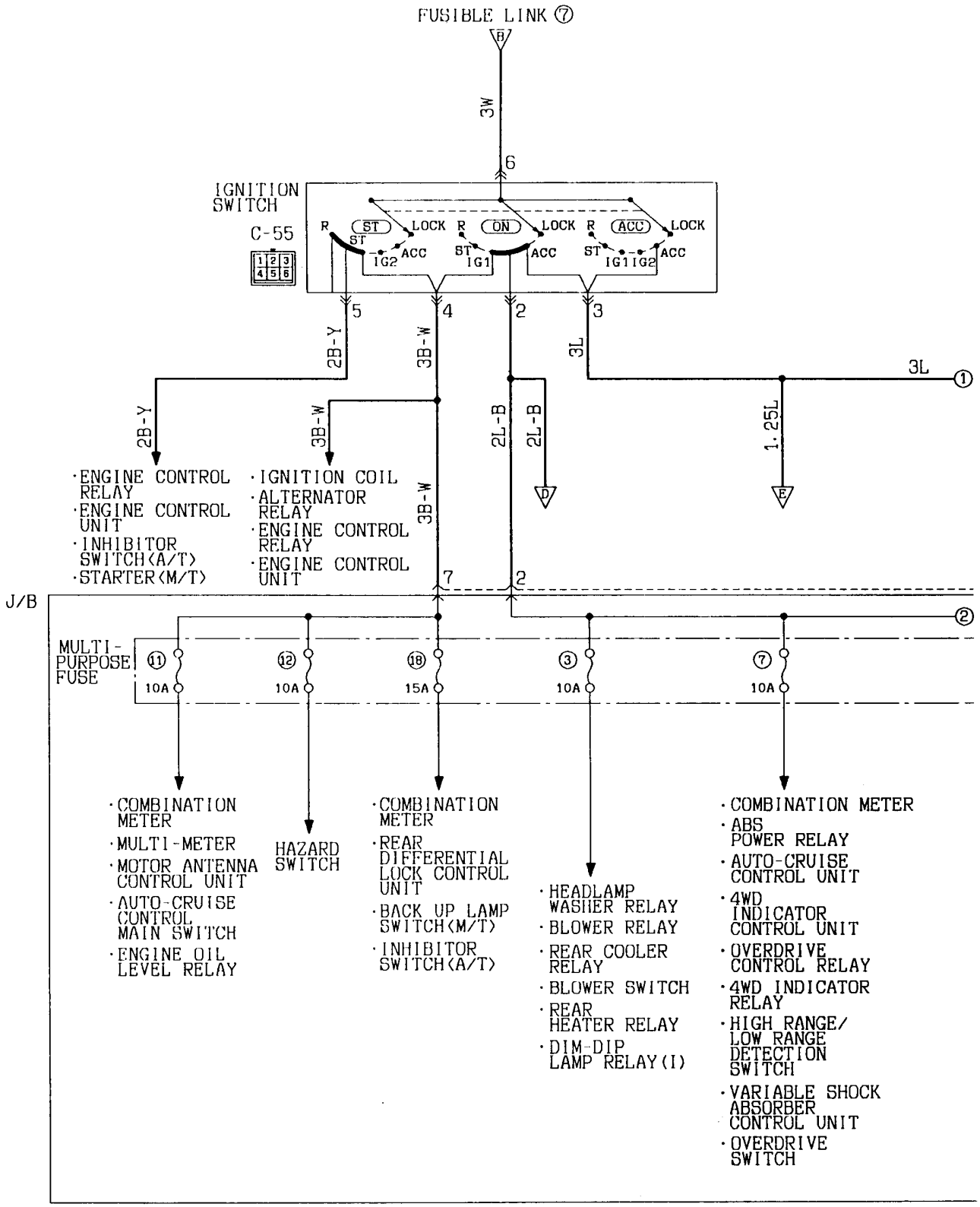
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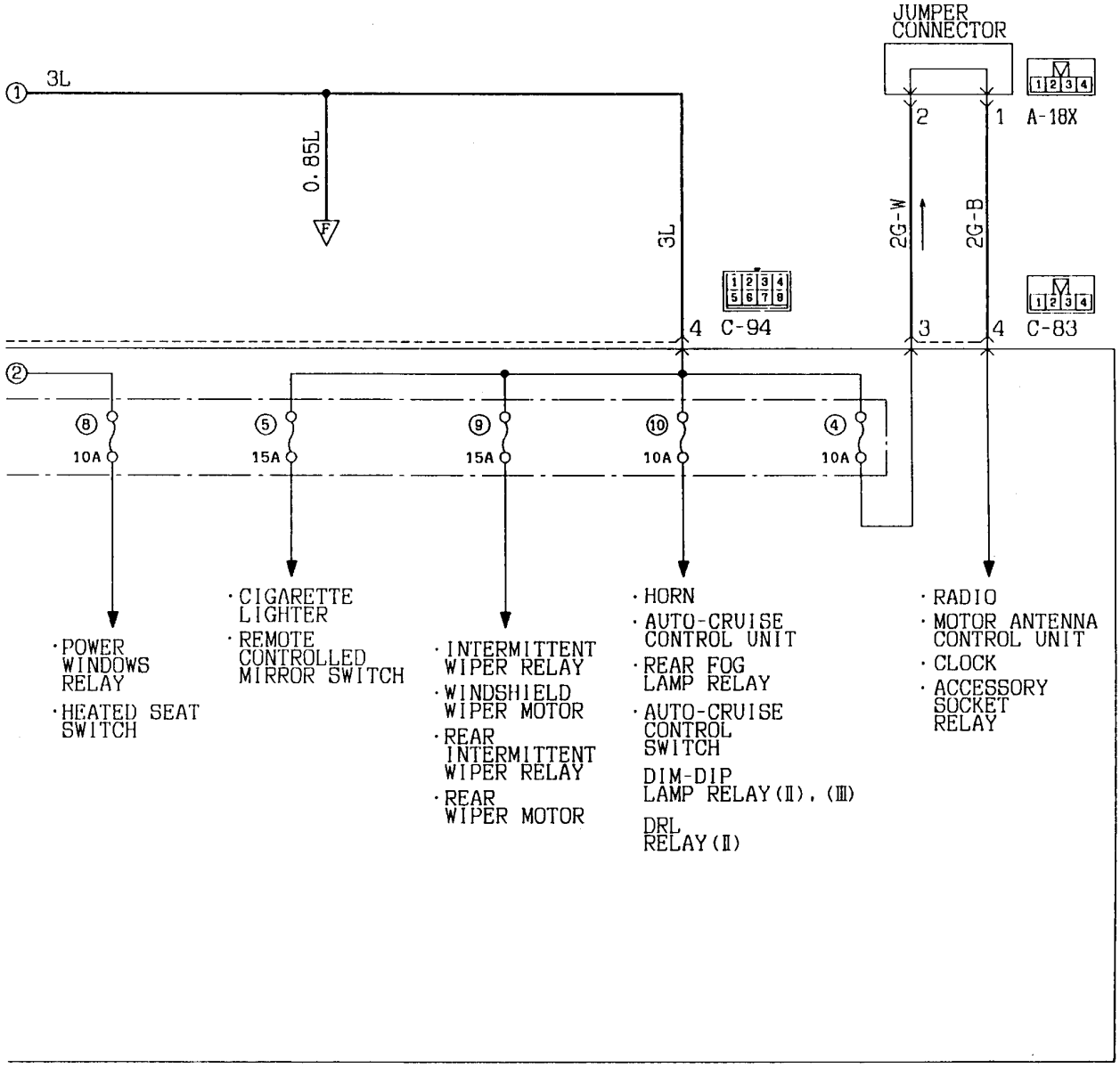


Remark
·The above circuit diagram shows the current flow at the ignition key position "ACC", "ON" and "ST" combined. Be sure trace the appropriate circuit depending on the ignition key position.

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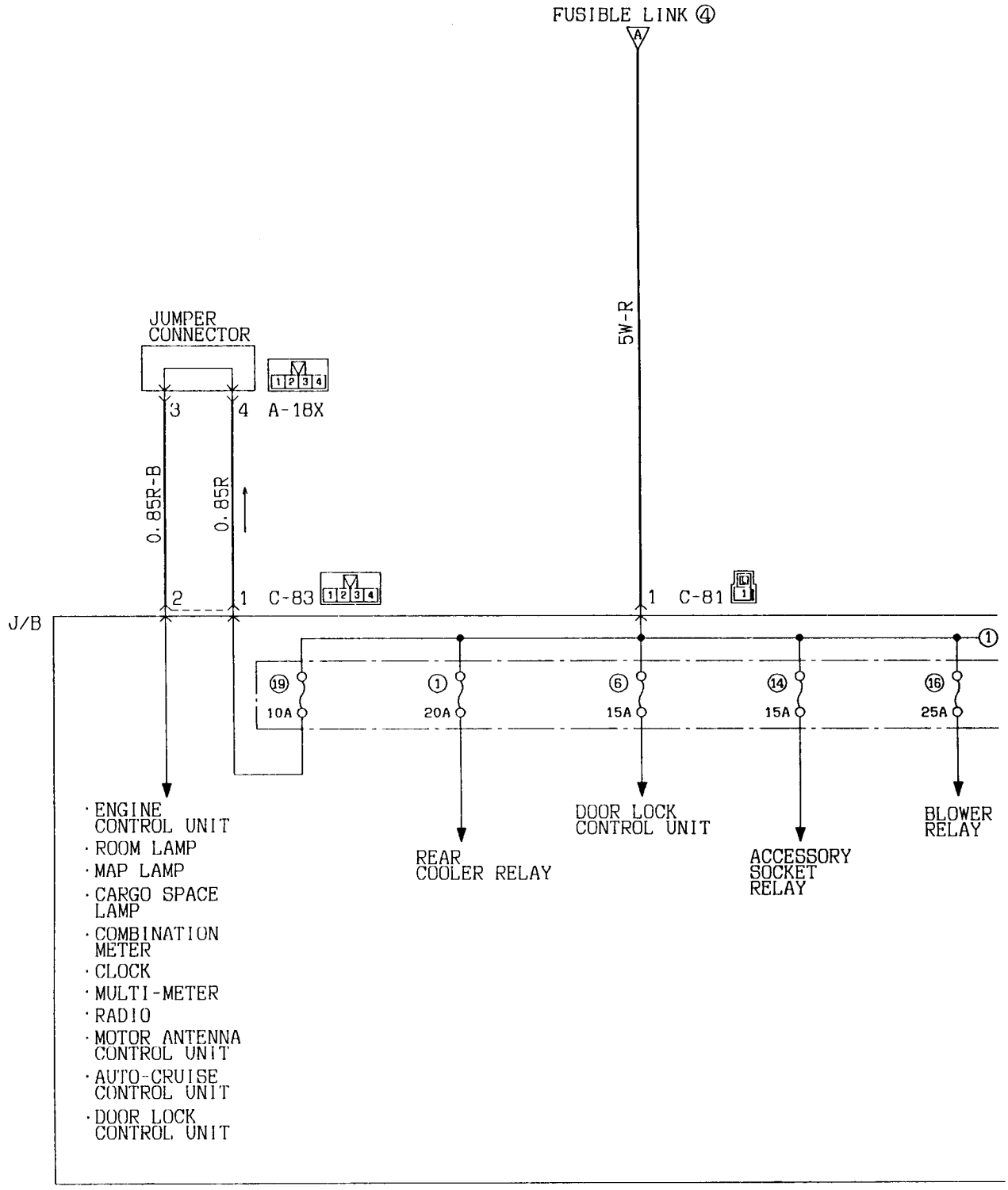


Wire colour code

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Wire colour code

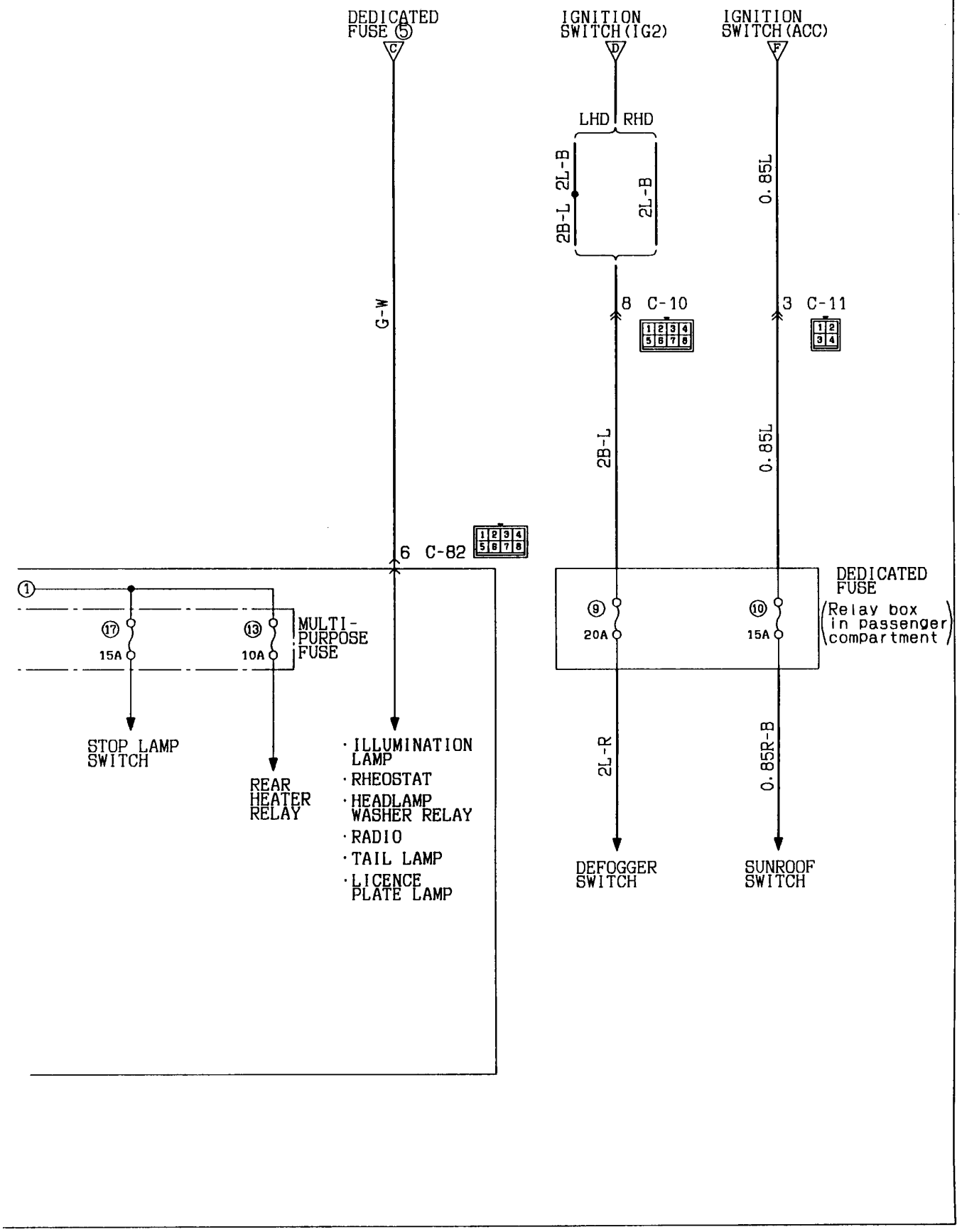
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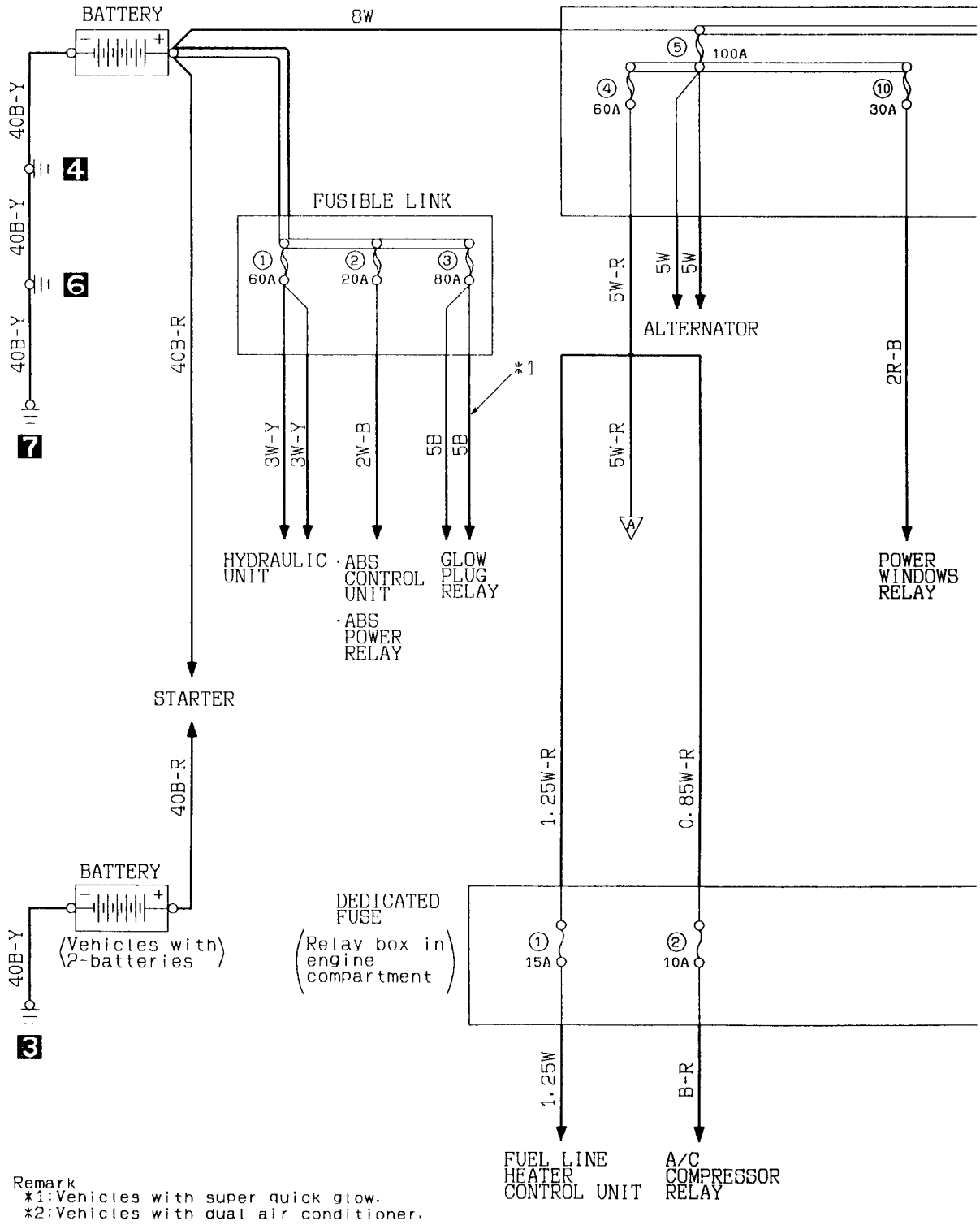
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1-2 Diesel-powered vehicles



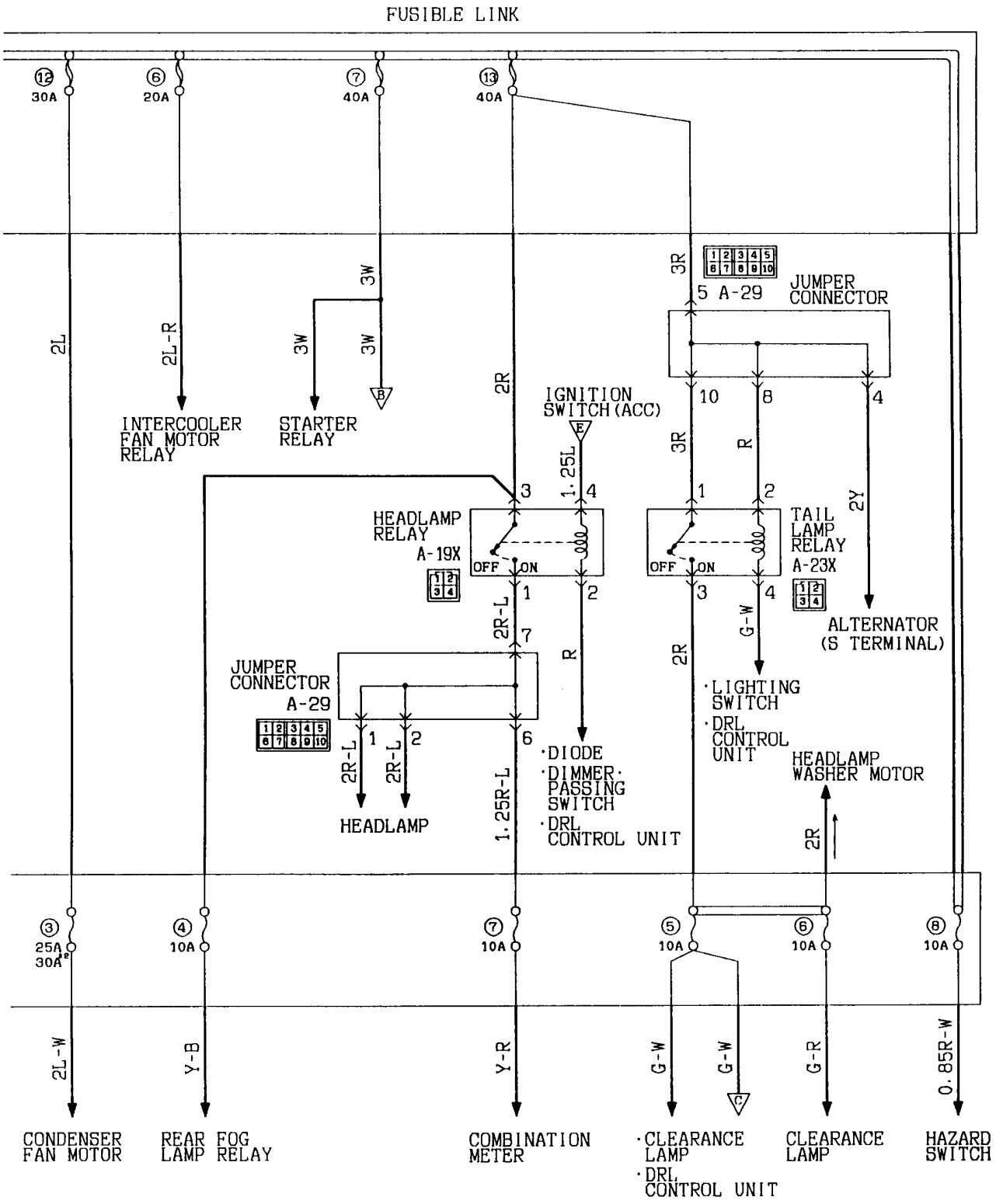
Remark
*1:Vehicles with super quick glow.
*2:Vehicles with dual air conditioner.

Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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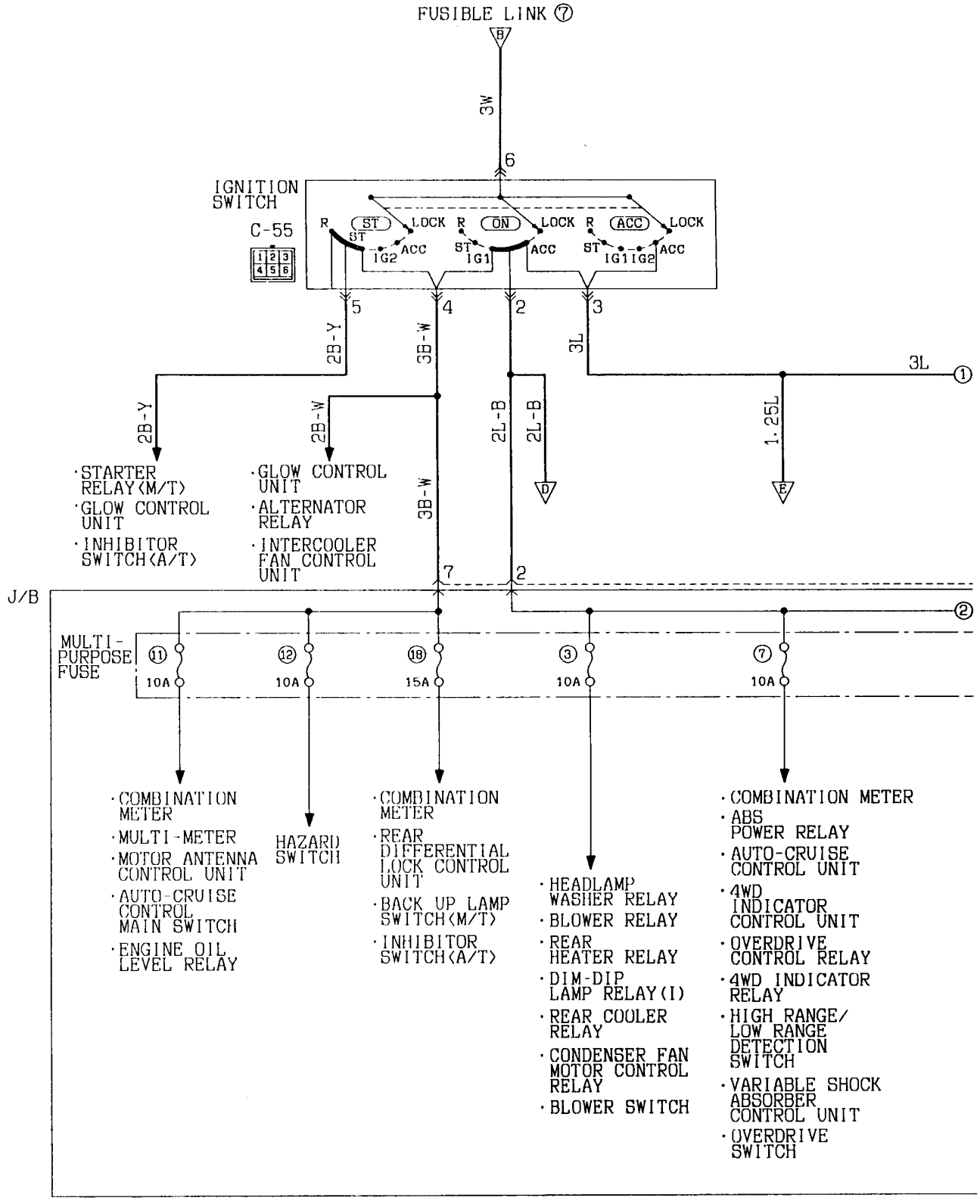
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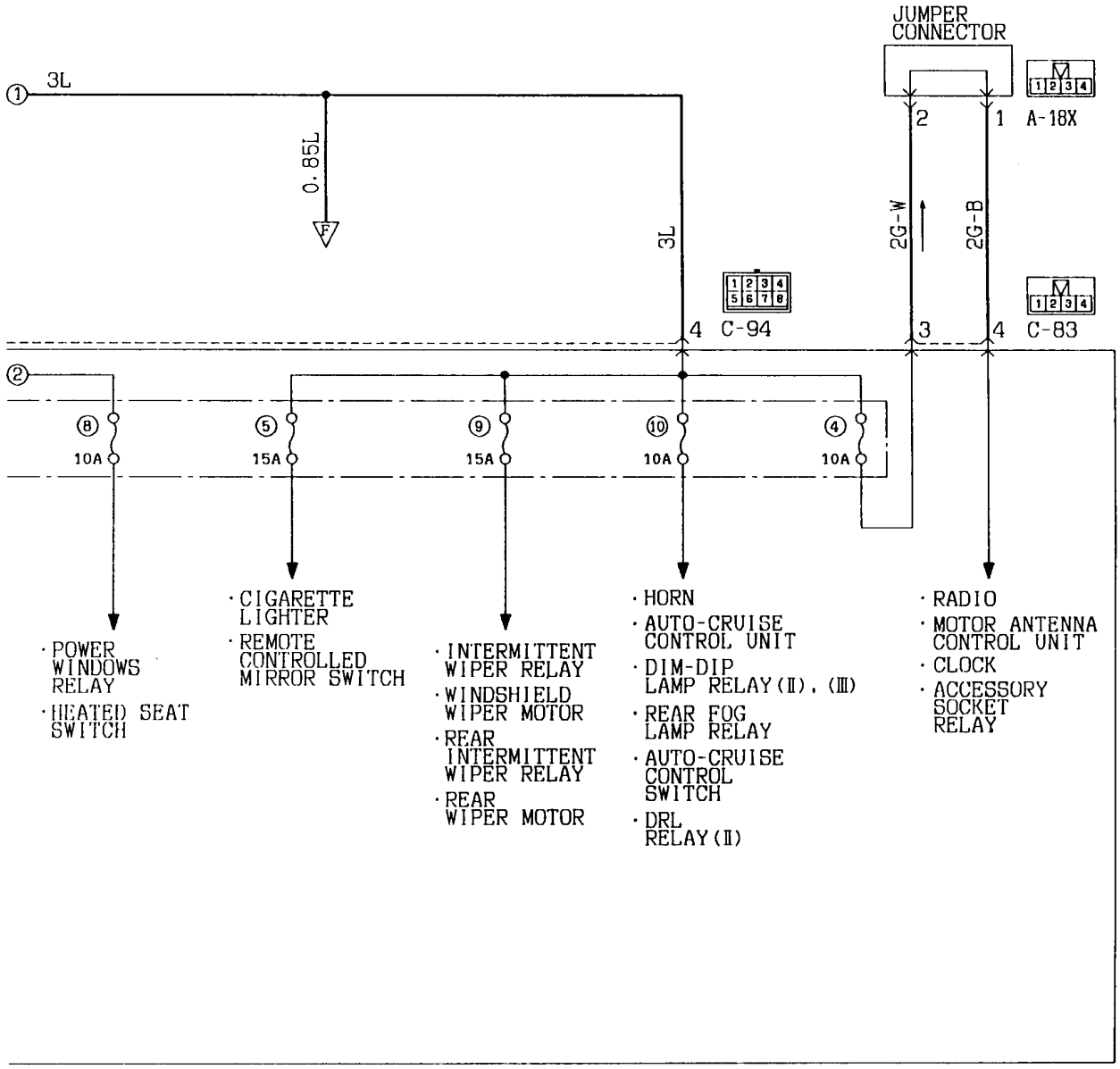


Remark
·The above circuit diagram shows the current flow at the ignition key position "ACC", "ON" and "ST" combined. Be sure trace the appropriate circuit depending on the ignition key position.

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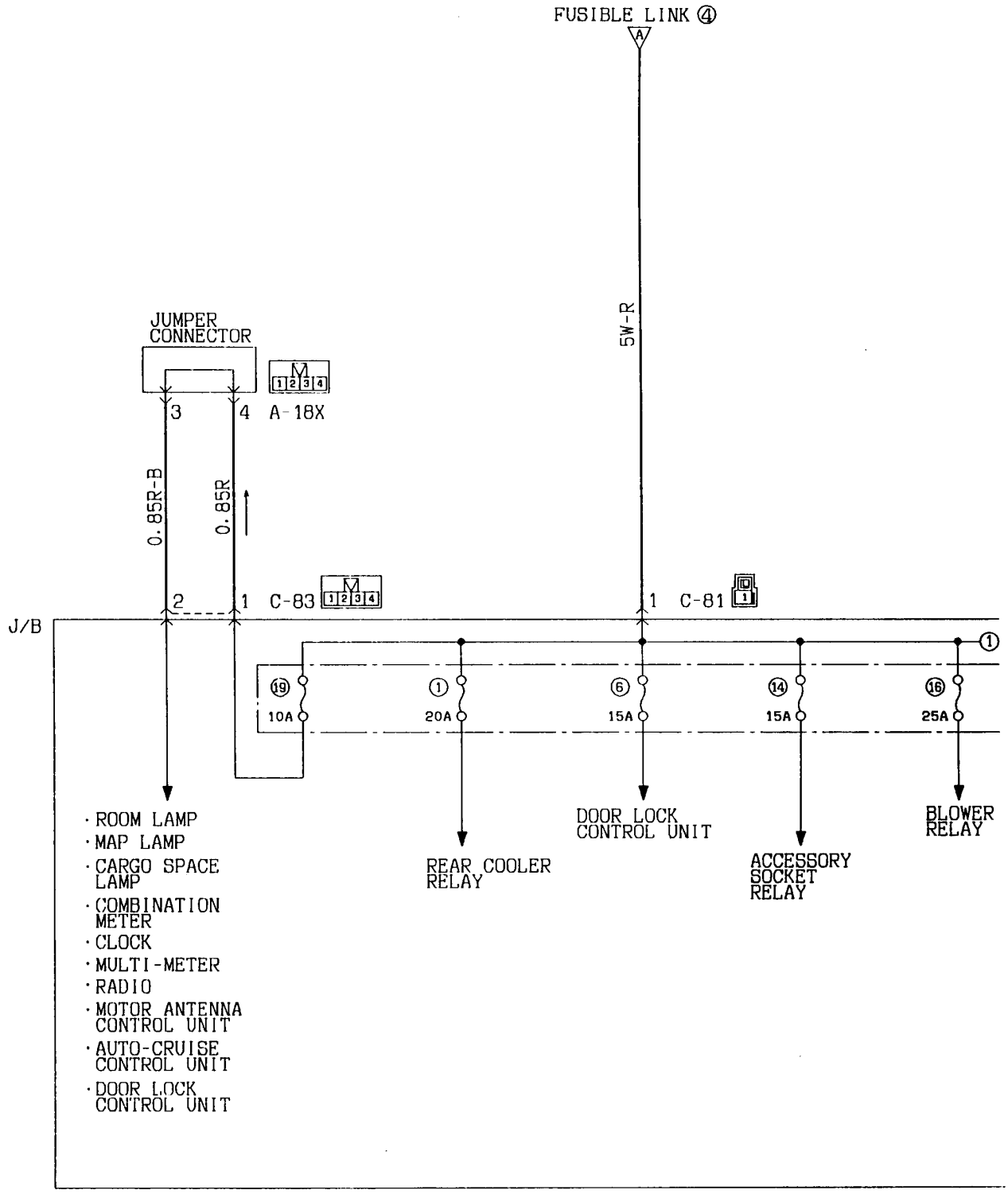


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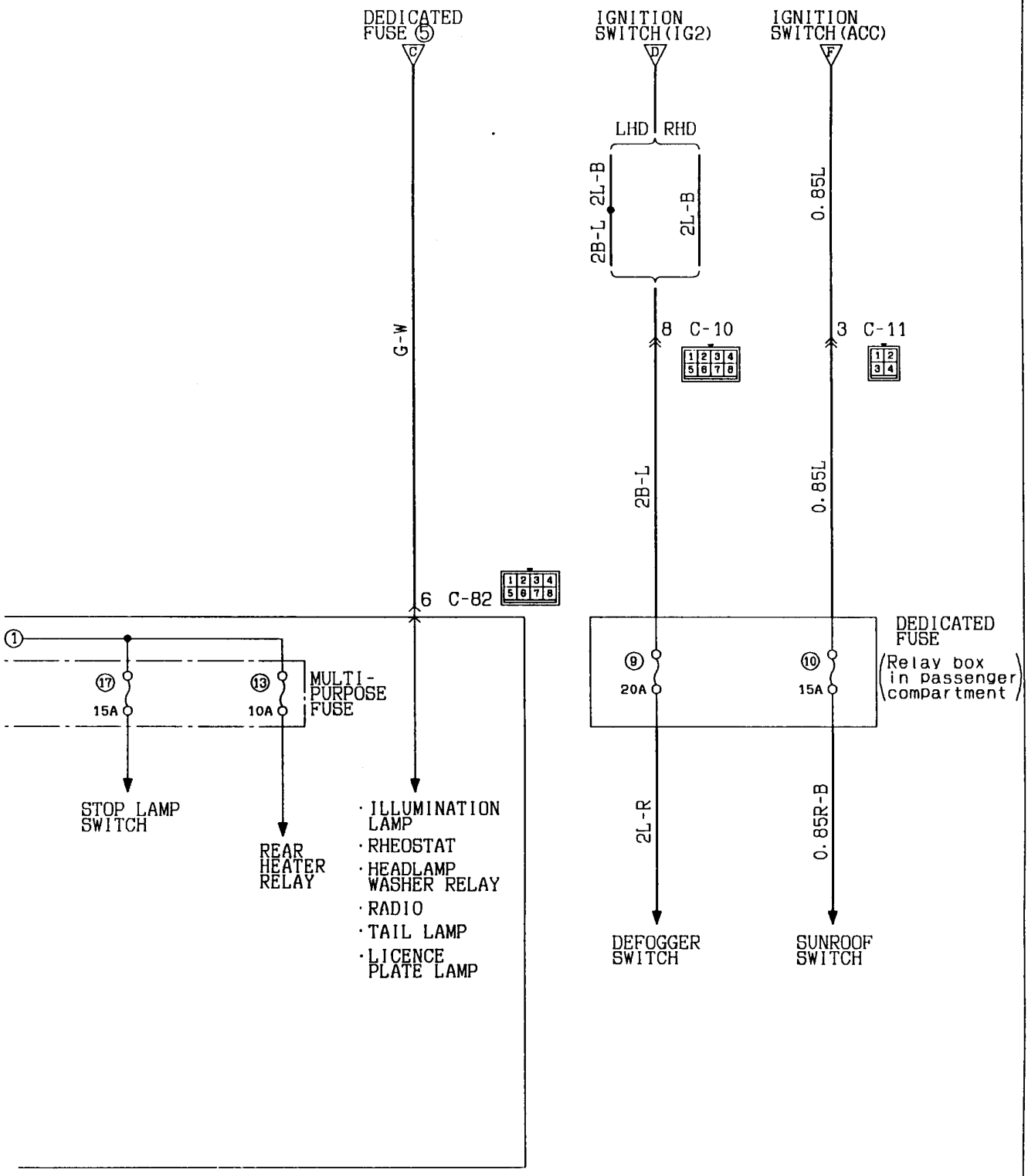


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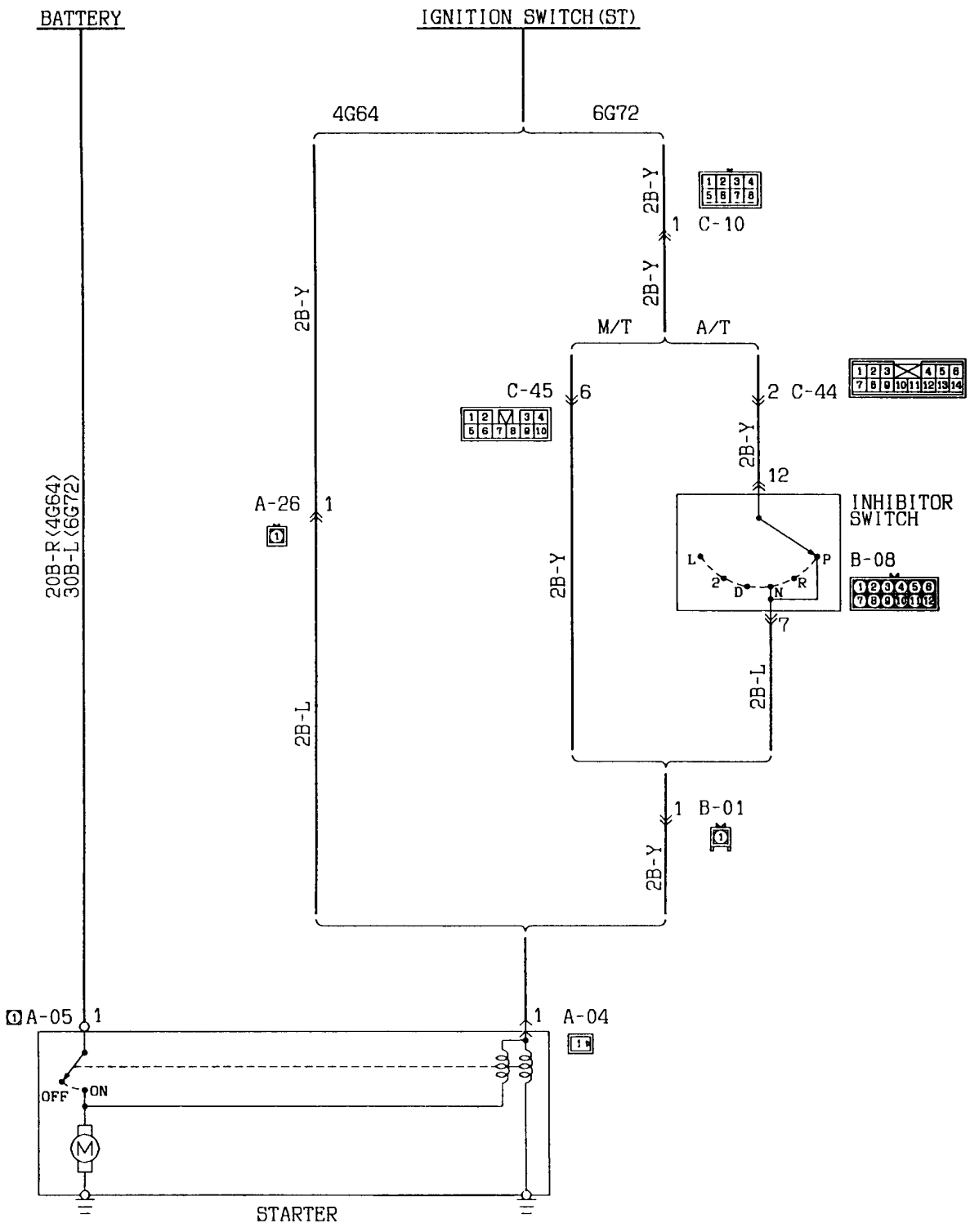


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2 STARTING SYSTEM

2-1 Petrol-powered vehicles



Wire colour code

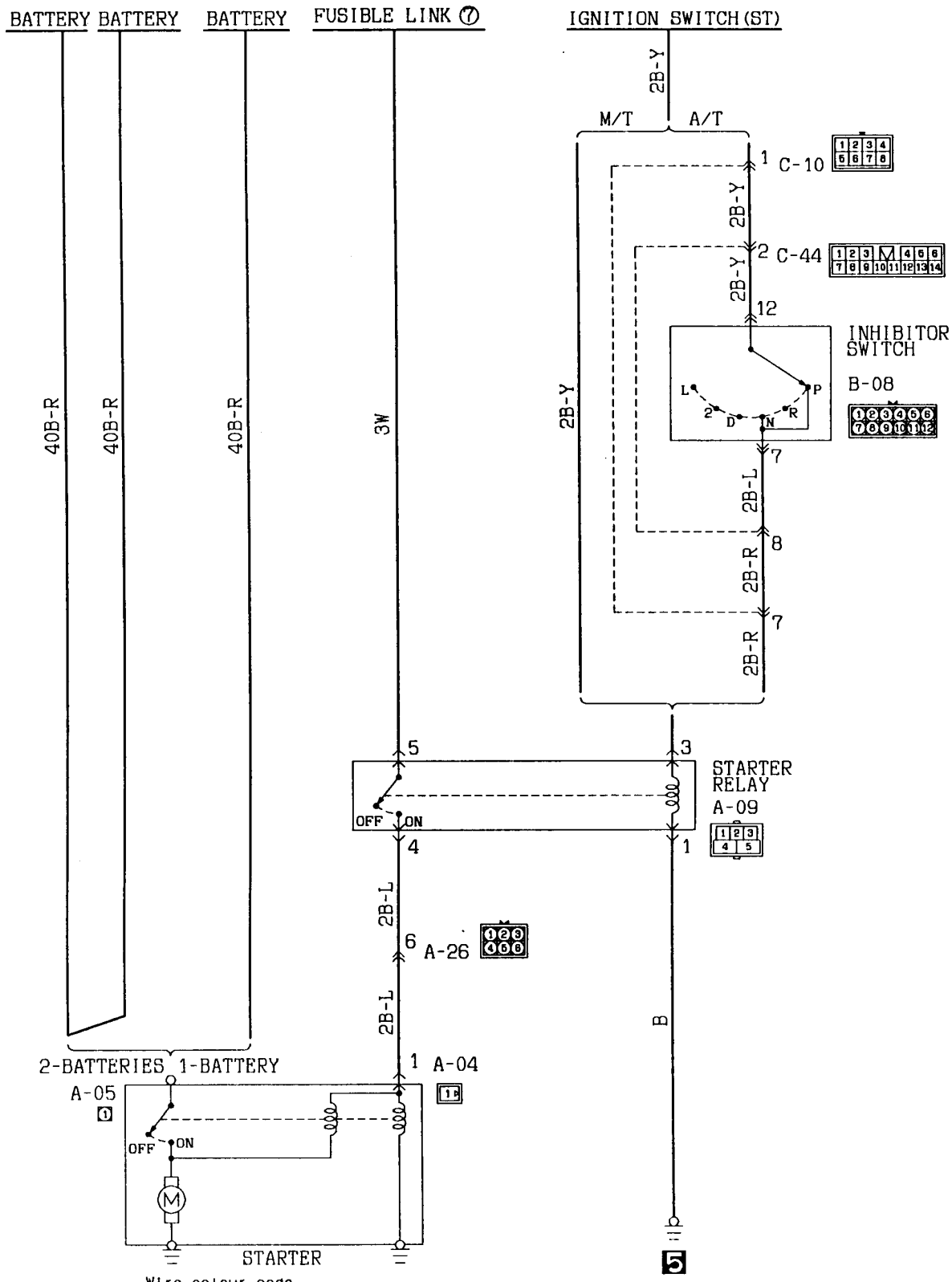
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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2-2 Diesel-powered vehicles



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STARTING SYSTEM (See P. 4-16, 17.)

OPERATION

〈Petrol-powered vehicles〉

- On vehicles with automatic transmission, placing the ignition switch in the ST position with the selector lever in P or N position causes the starter contacts (magnet switch) to close energizing the starter motor.

〈Diesel-powered vehicles〉

- On vehicles with automatic transmission, placing the ignition switch in the ST position with the selector lever in P or N position, the starter relay becomes on. This will turn on the contacts of the starter (magnetic switch) to revolve the starter motor.

TROUBLESHOOTING HINTS

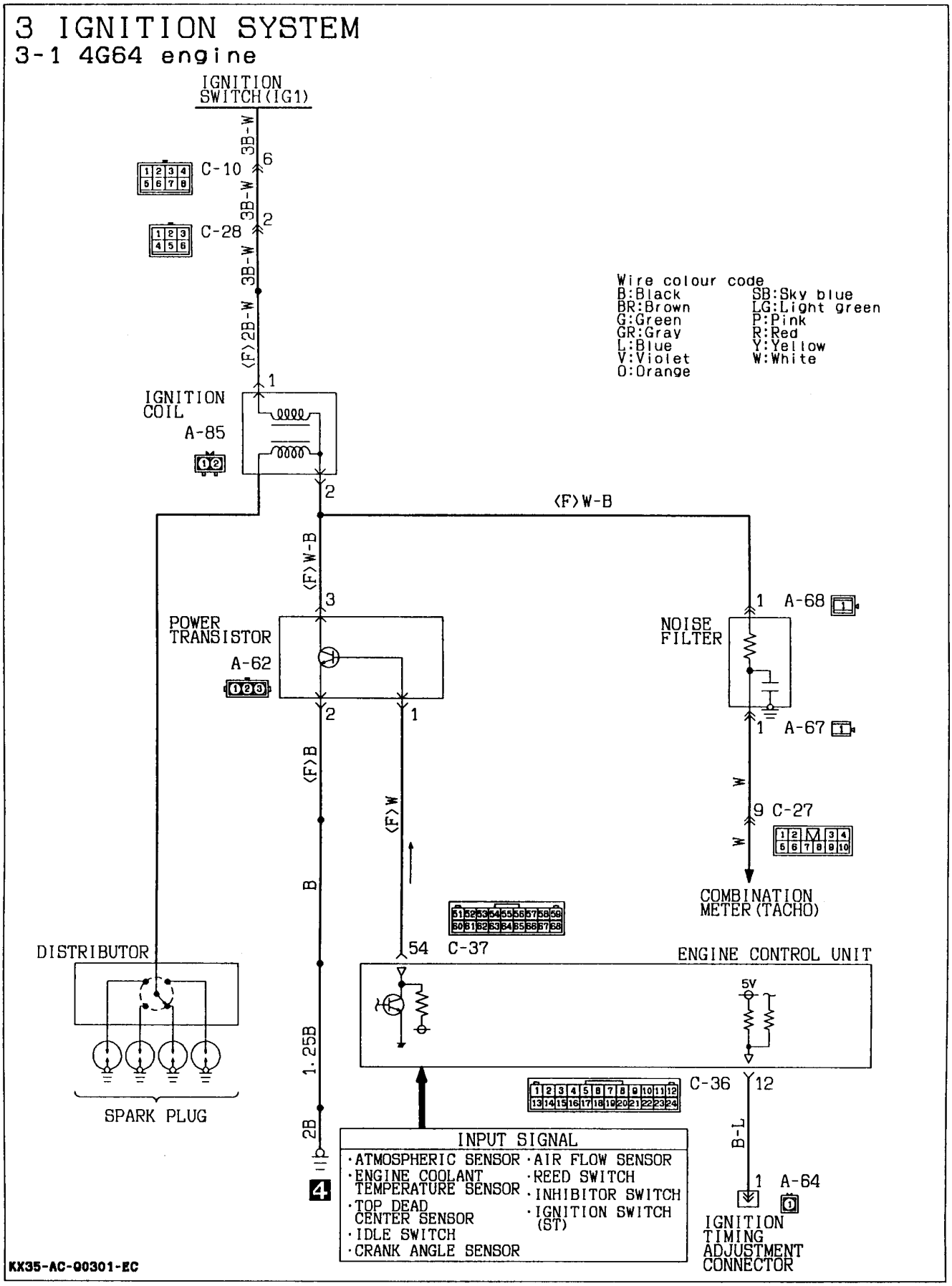
1. Starter motor does not turn over at all.
   - Check starter (coil).
   - Check battery terminals for proper contact.
2. Starter motor does not stop rotating.
   - Check starter (magnet switch).

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3 IGNITION SYSTEM

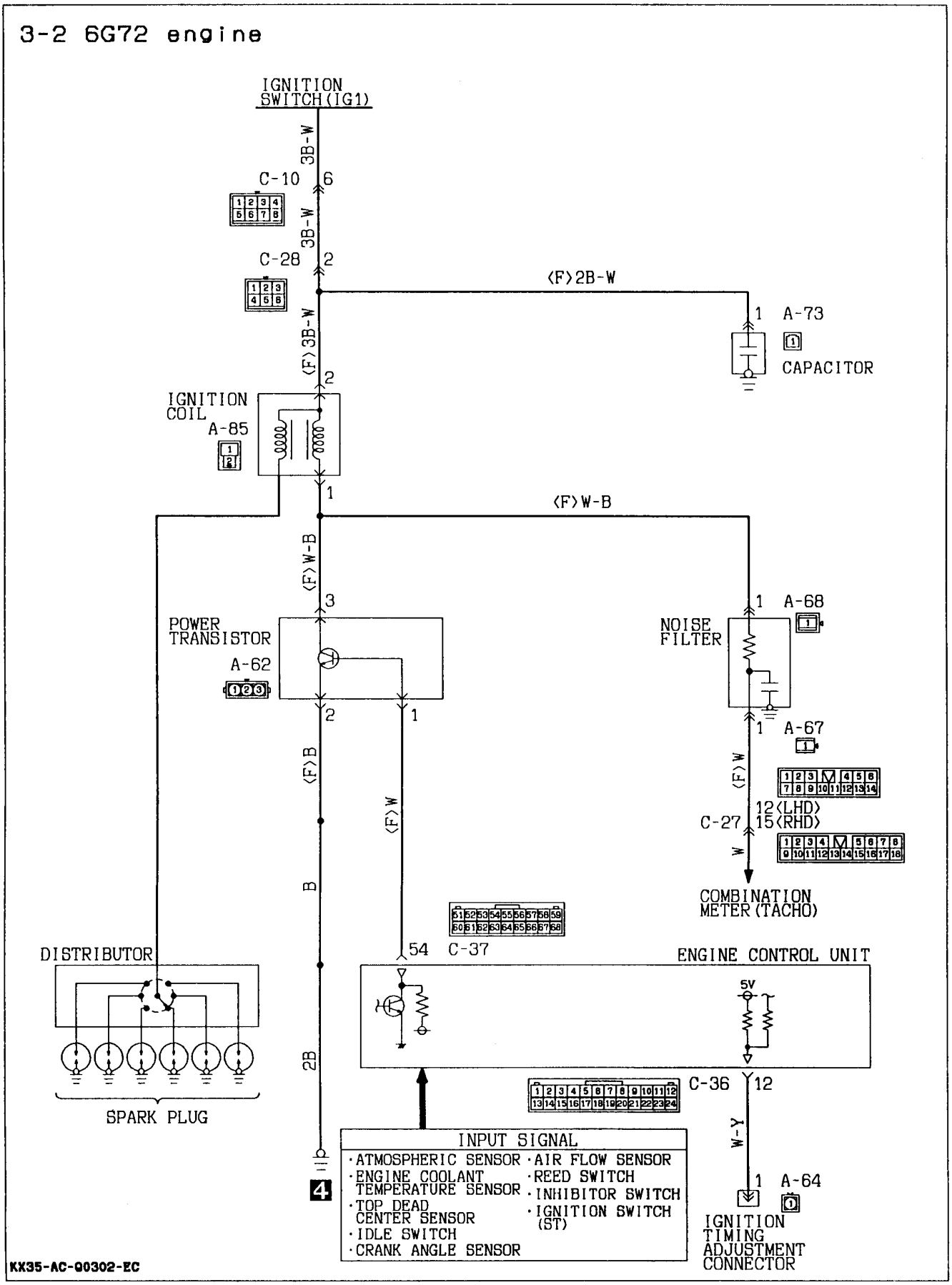
3-1 4G64 engine



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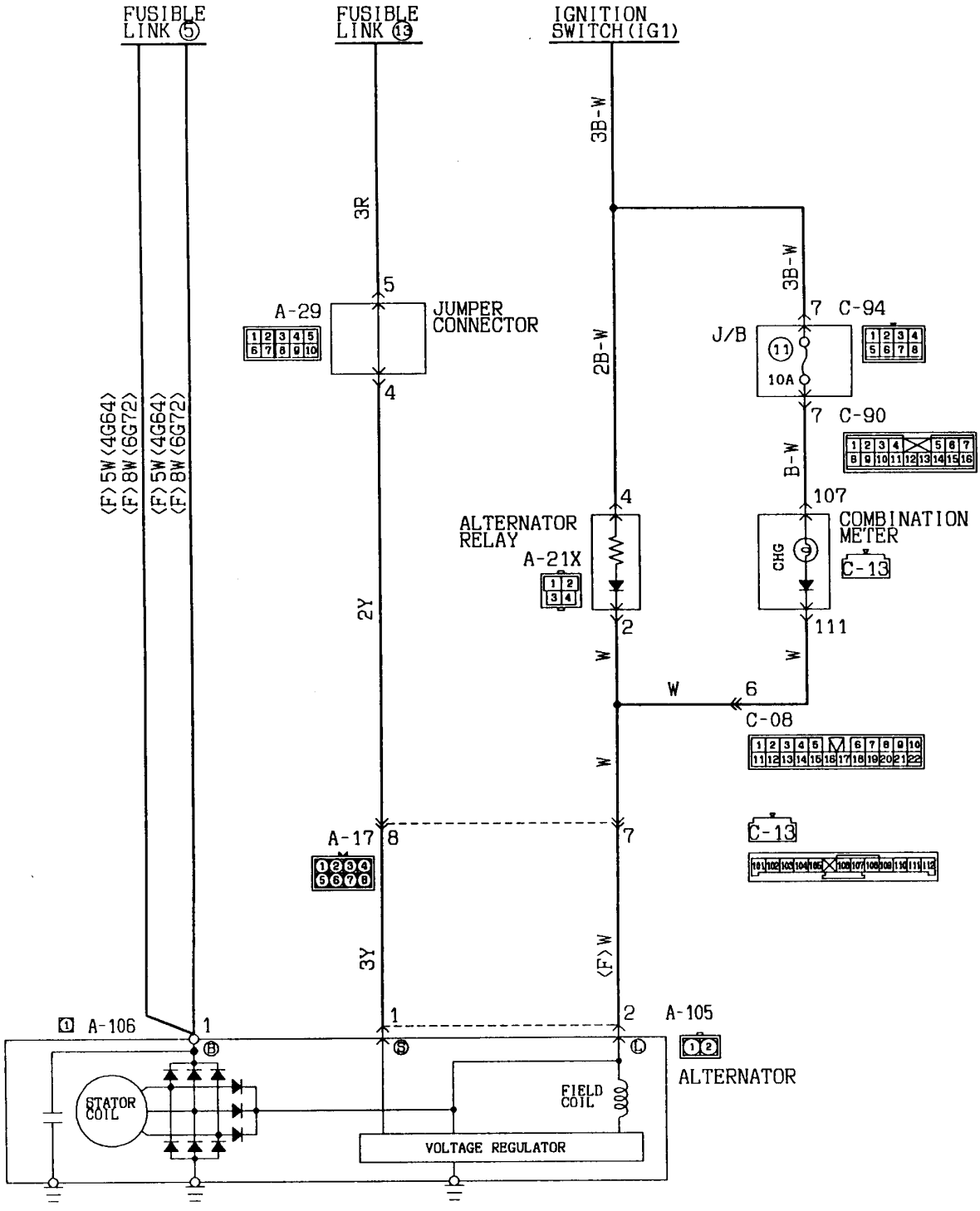


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4 CHARGING SYSTEM

4-1 Petrol-powered vehicles



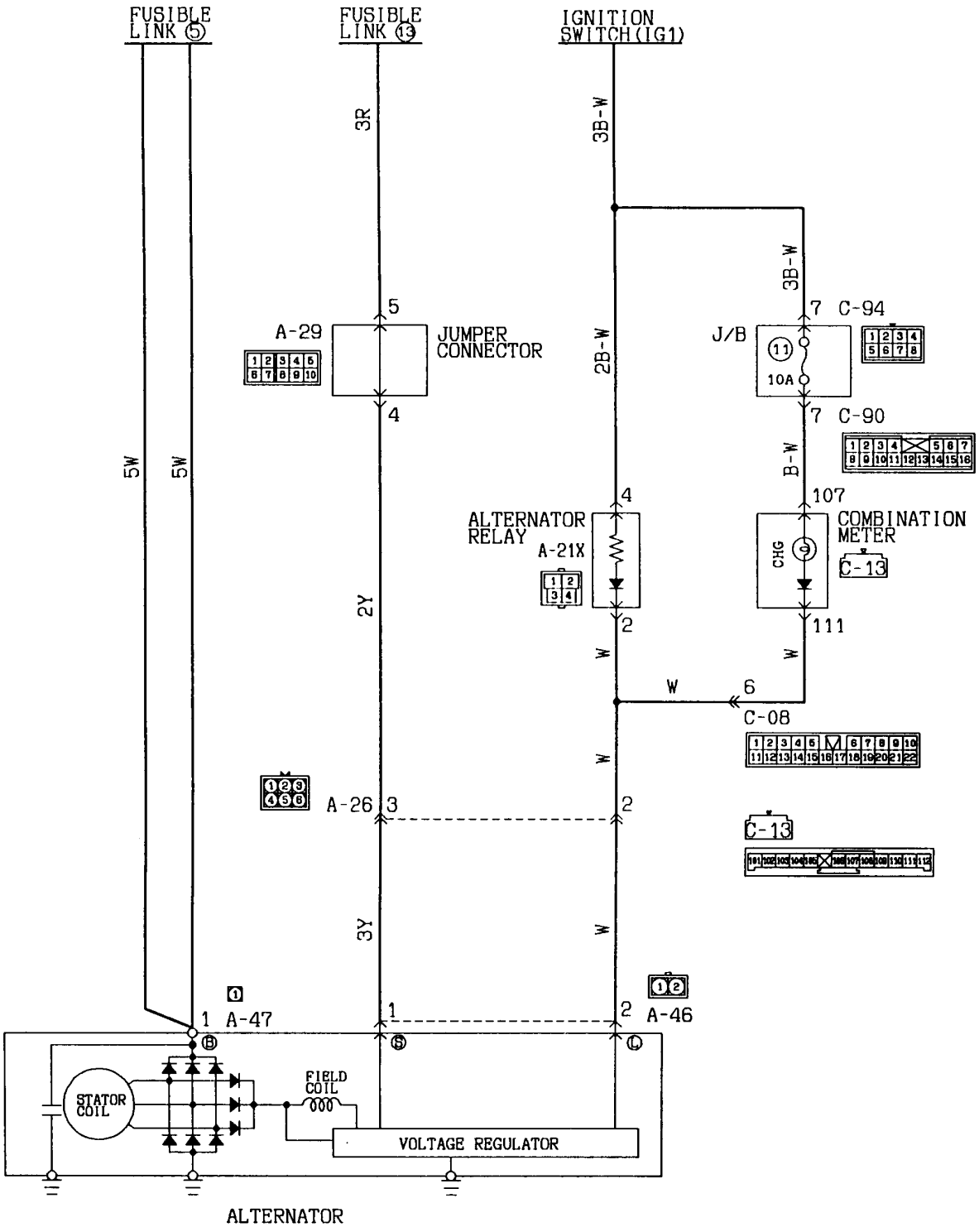
Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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4-2 Diesel-powered vehicles〈2-door models〉



Wire colour code

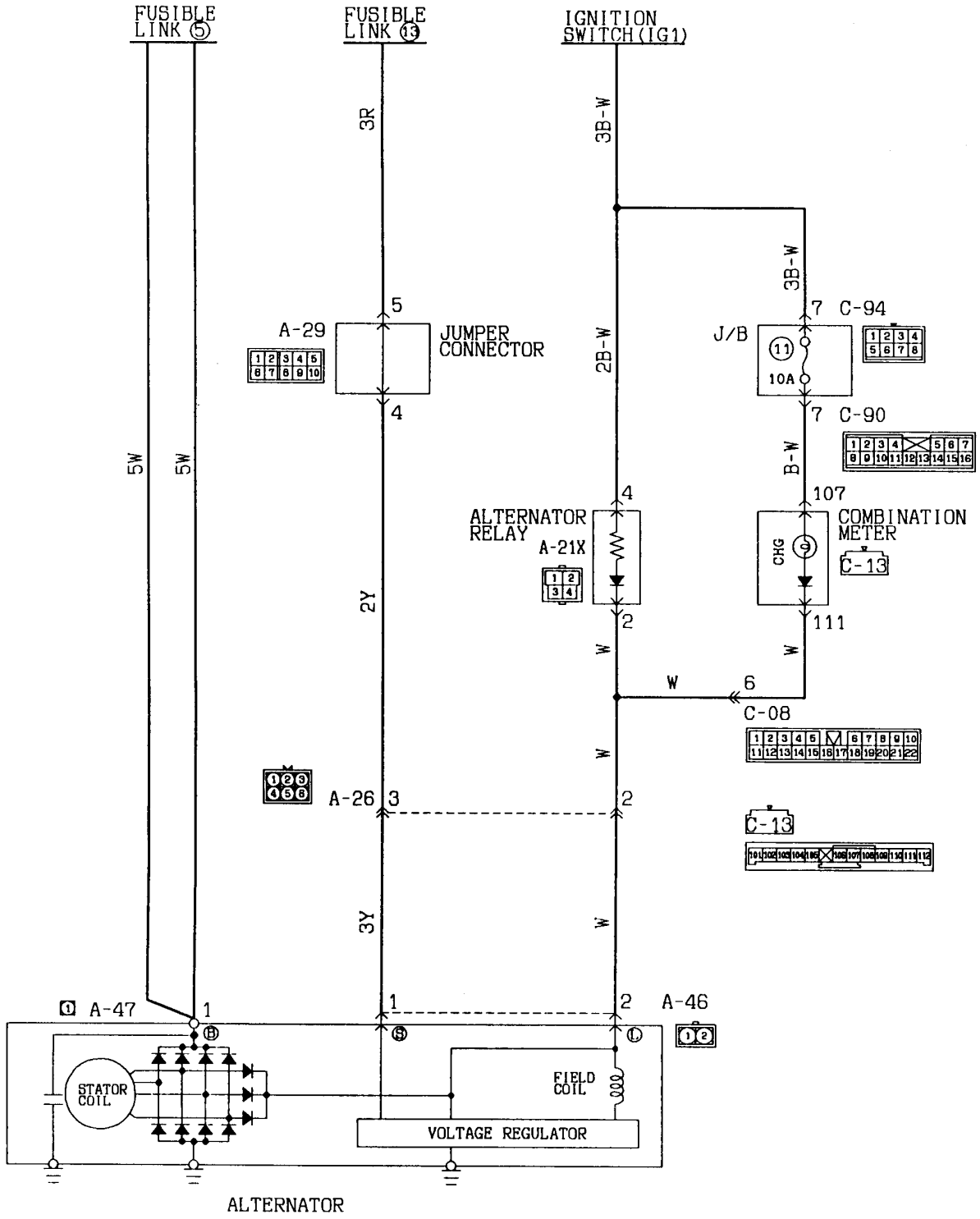
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4-3 Diesel-powered vehicles<4-door models>



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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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CHARGING SYSTEM (See P. 4-21, 22, 23.)

OPERATION

When engine is stationary

- When the ignition switch is turned to the ON position, current flows the alternator L terminal to the field coil and, at the same time, the charge warning lamp lights up.

When engine is started and after engine has started

- When the engine is started, the charge warning lamp goes out because of the charging voltage being applied to the alternator L terminal.
- The battery voltage being applied to the alternator S terminal is monitored by the voltage regulator. Hence, the amount of electricity produced by the alternator is controlled by allowing and cutting off the current flowing to the field coil.
- The alternator B terminal supplies power to each load.

Remark

- The alternator relay is provided to back up the flow of current to the field coil when the charge warning lamp is open.

TROUBLESHOOTING HINTS

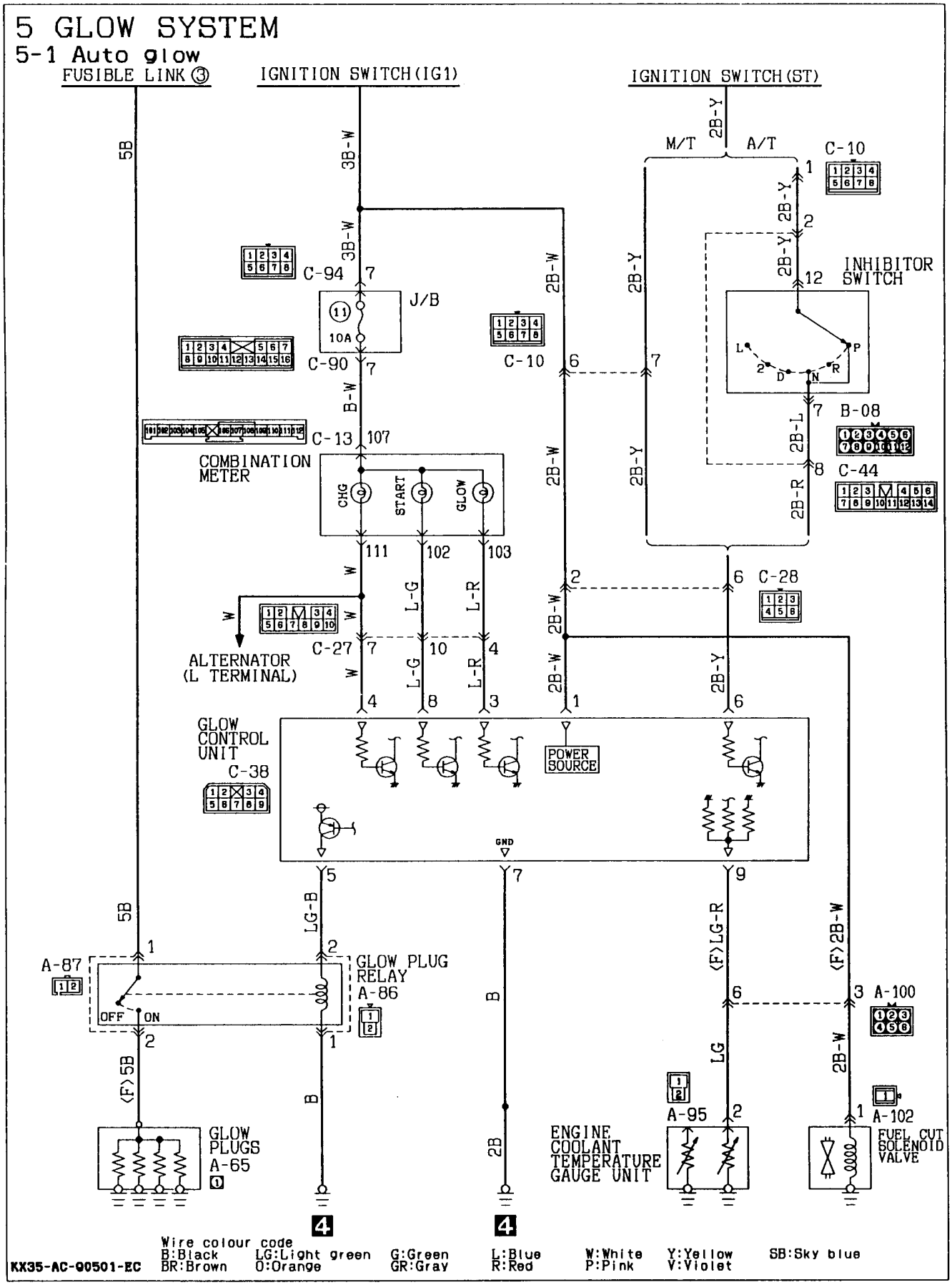
1. Charging indicator lamp does not go on when the ignition switch is turned to "ON", before the engine starts.
   - Check the bulb.
2. Charging indicator lamp fails to go off once the engine starts.
   - Check voltage regulator of alternator.
3. Discharged or overcharged battery.
   - Check voltage regulator of alternator.
4. Charge warning lamp lights up dimly.
   - Check combination meter diode (for short).

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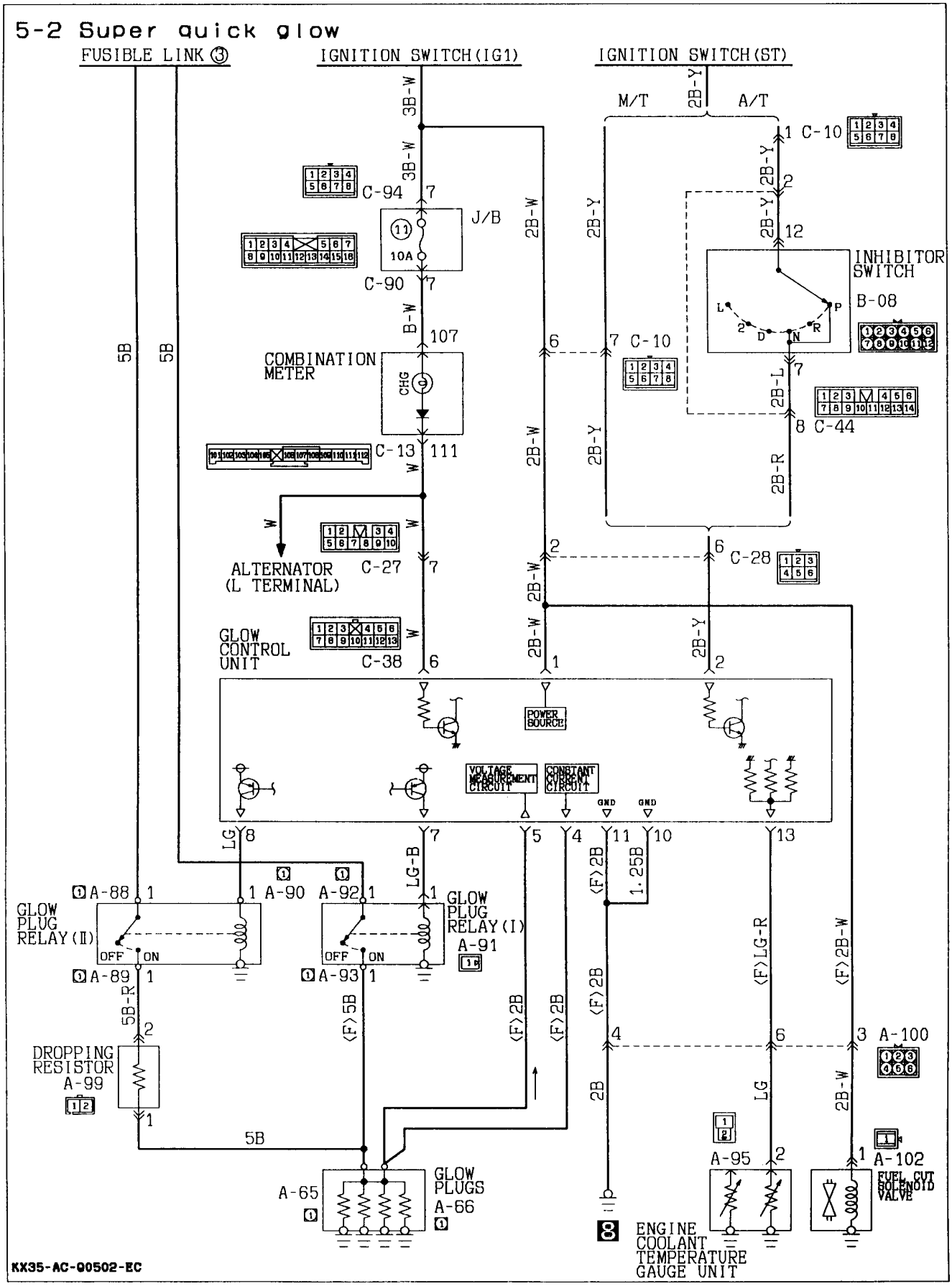
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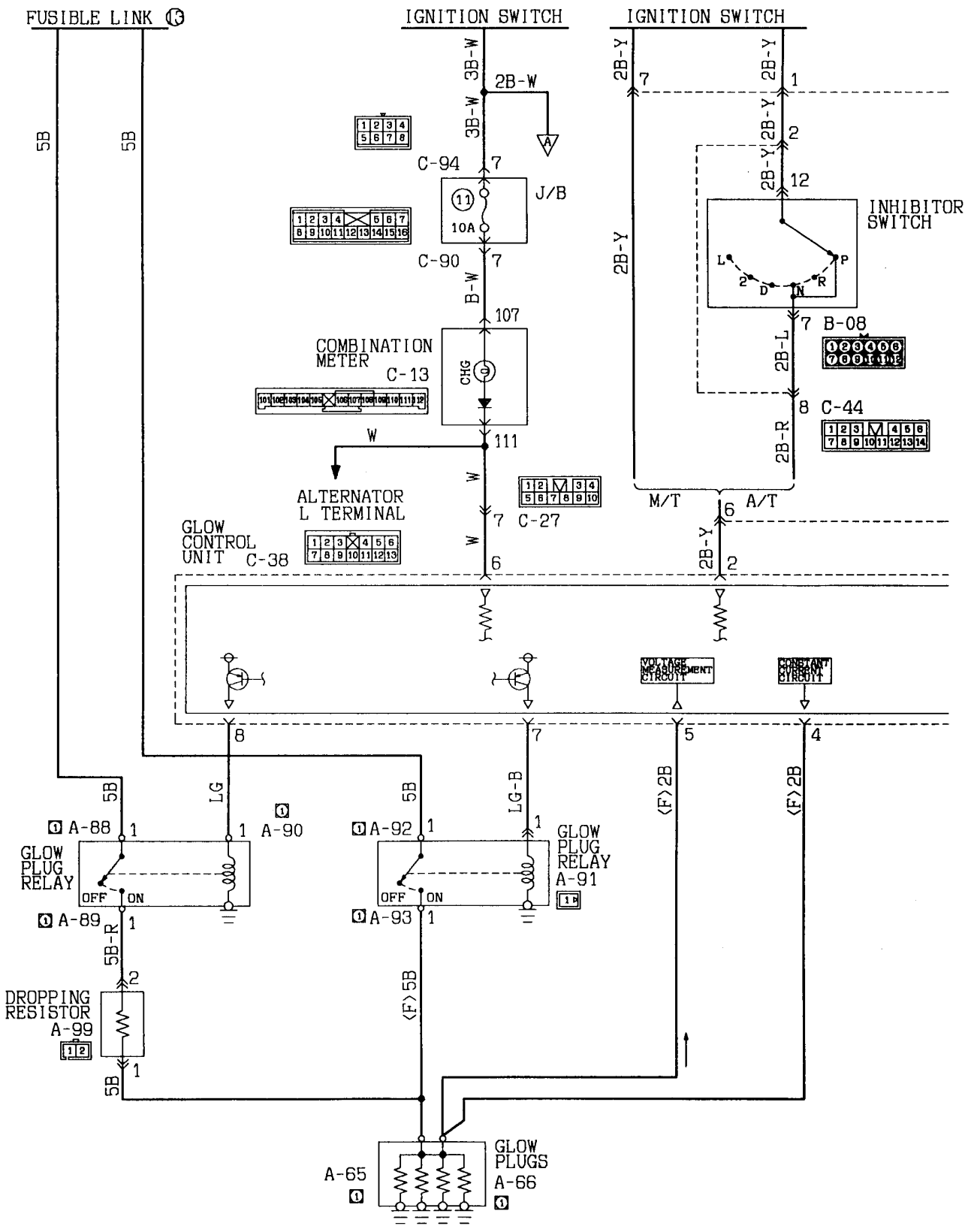
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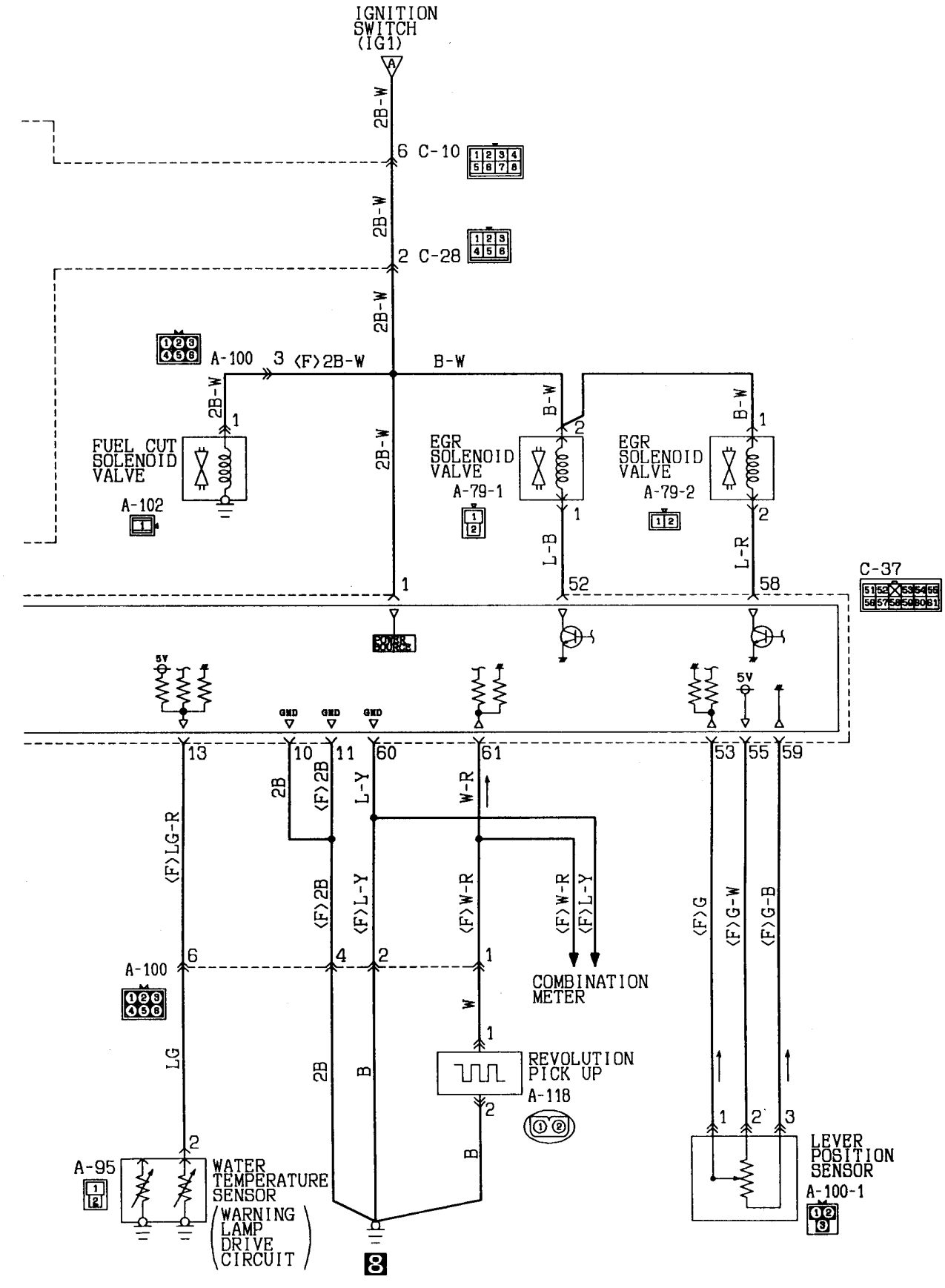
5-3 Super quick glow<with EGR system>



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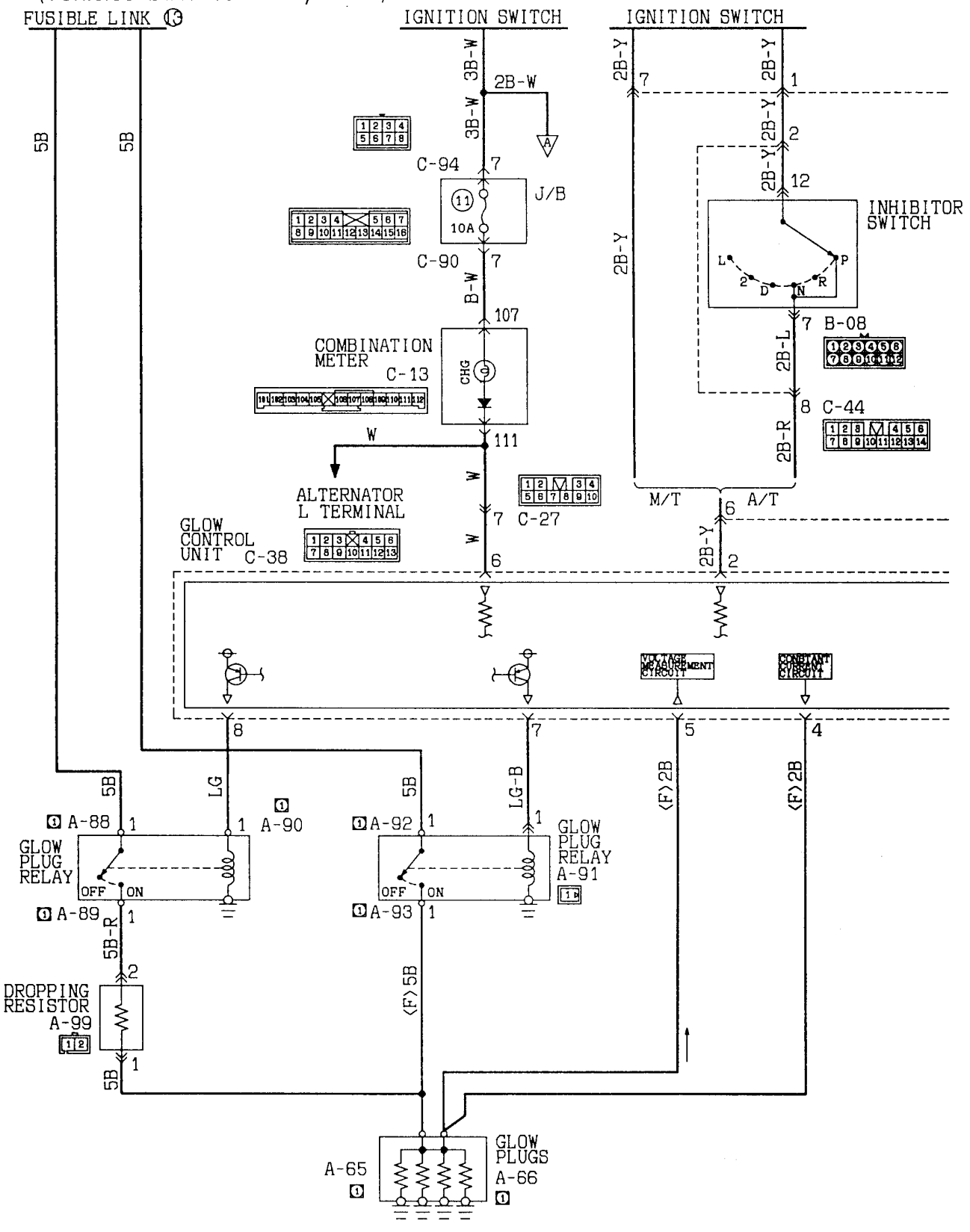
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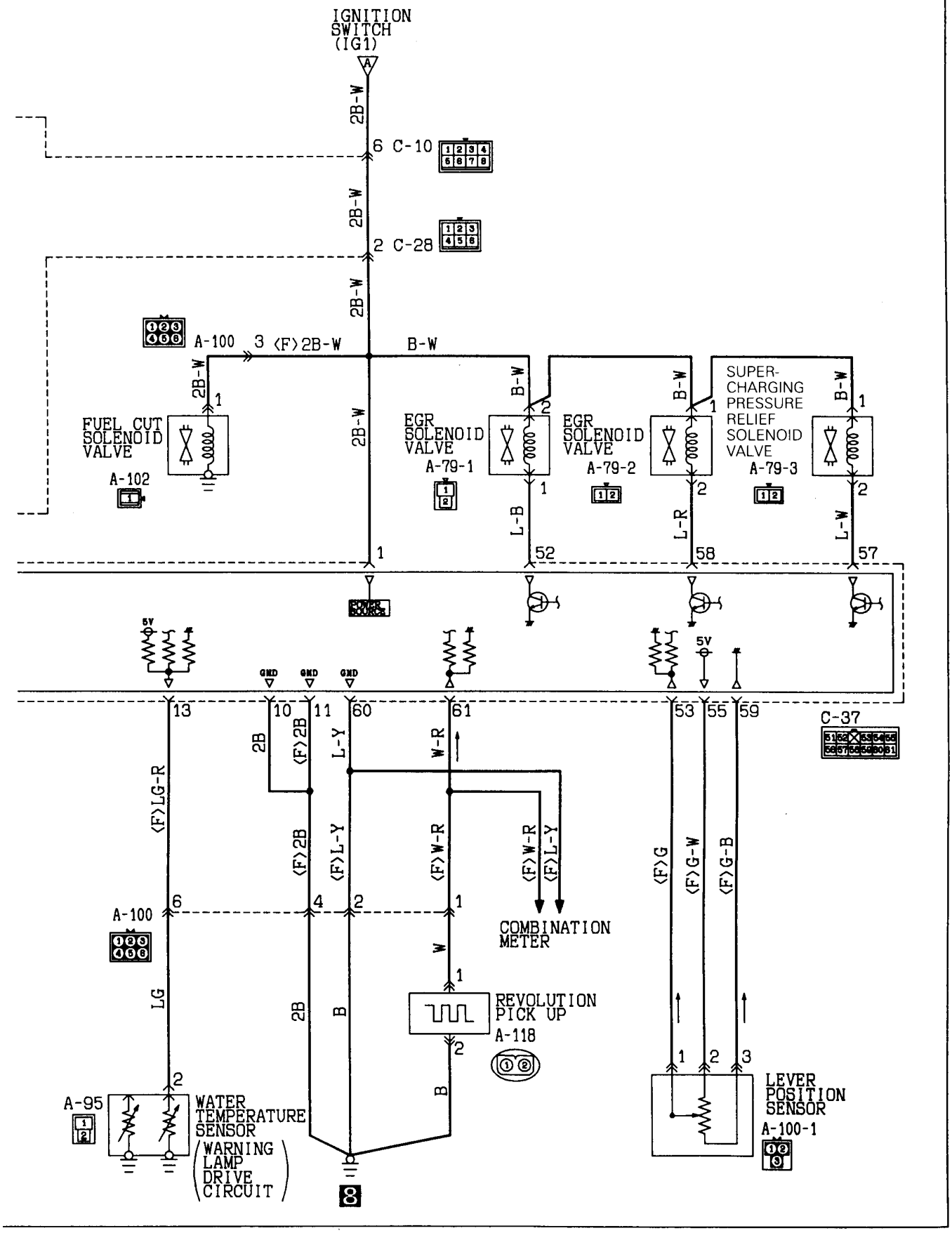
5-4 Super quick glow〈2-door models with EGR system〉
(Vehicles built from July 1993)



KX35-AC-00513-EC

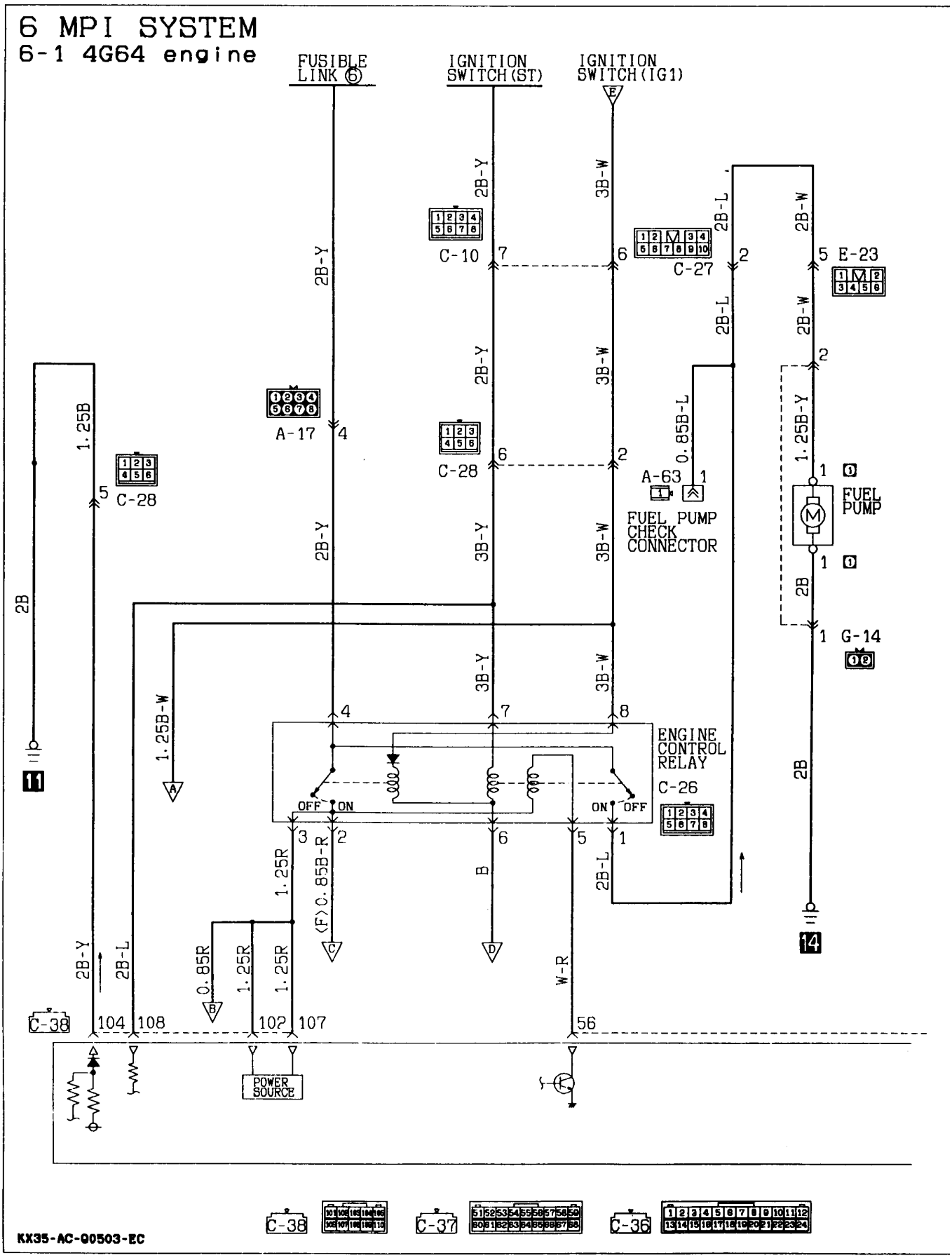
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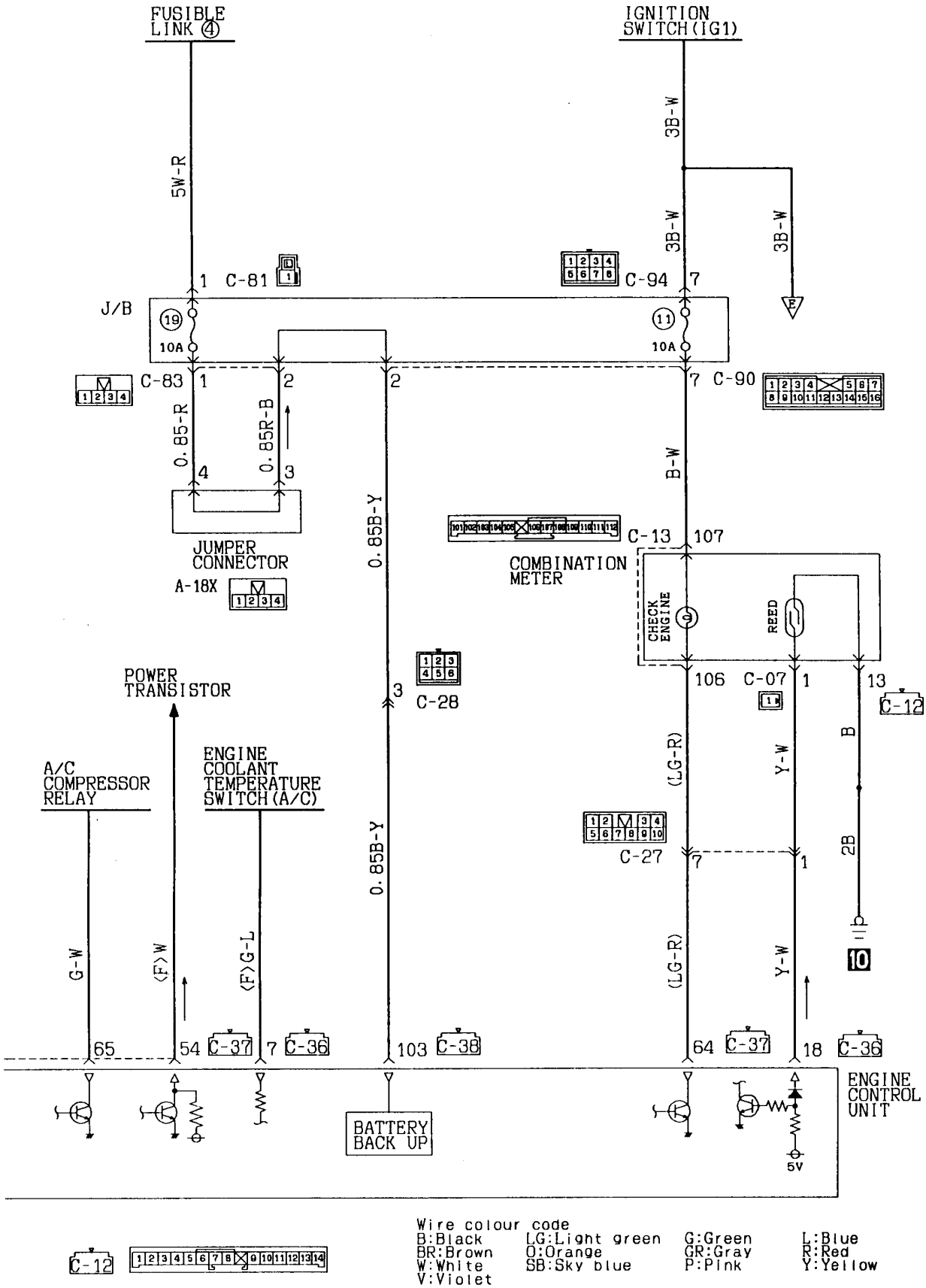
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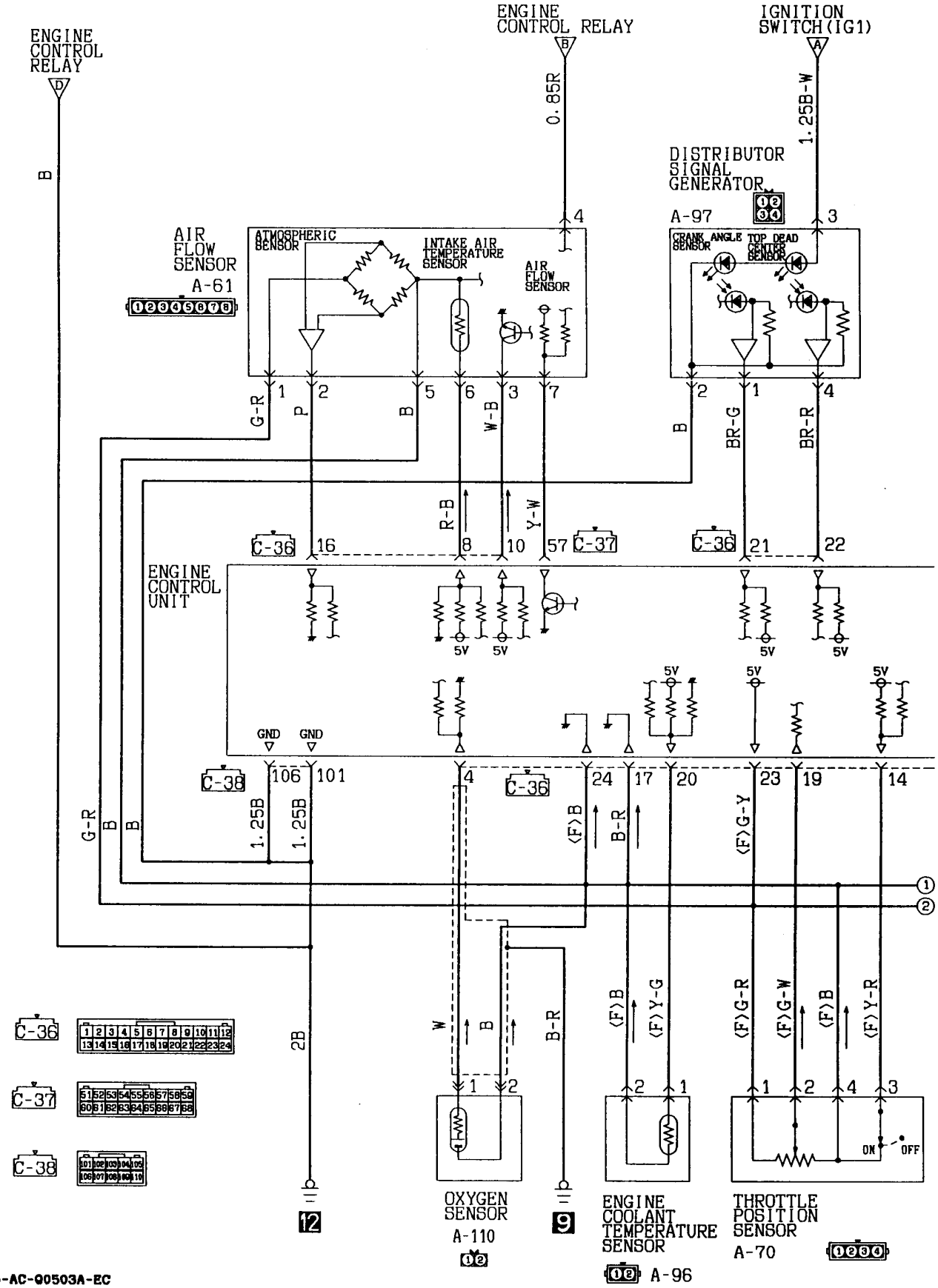


Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red
W:White	SB:Sky blue	P:Pink	Y:Yellow
V:Violet			

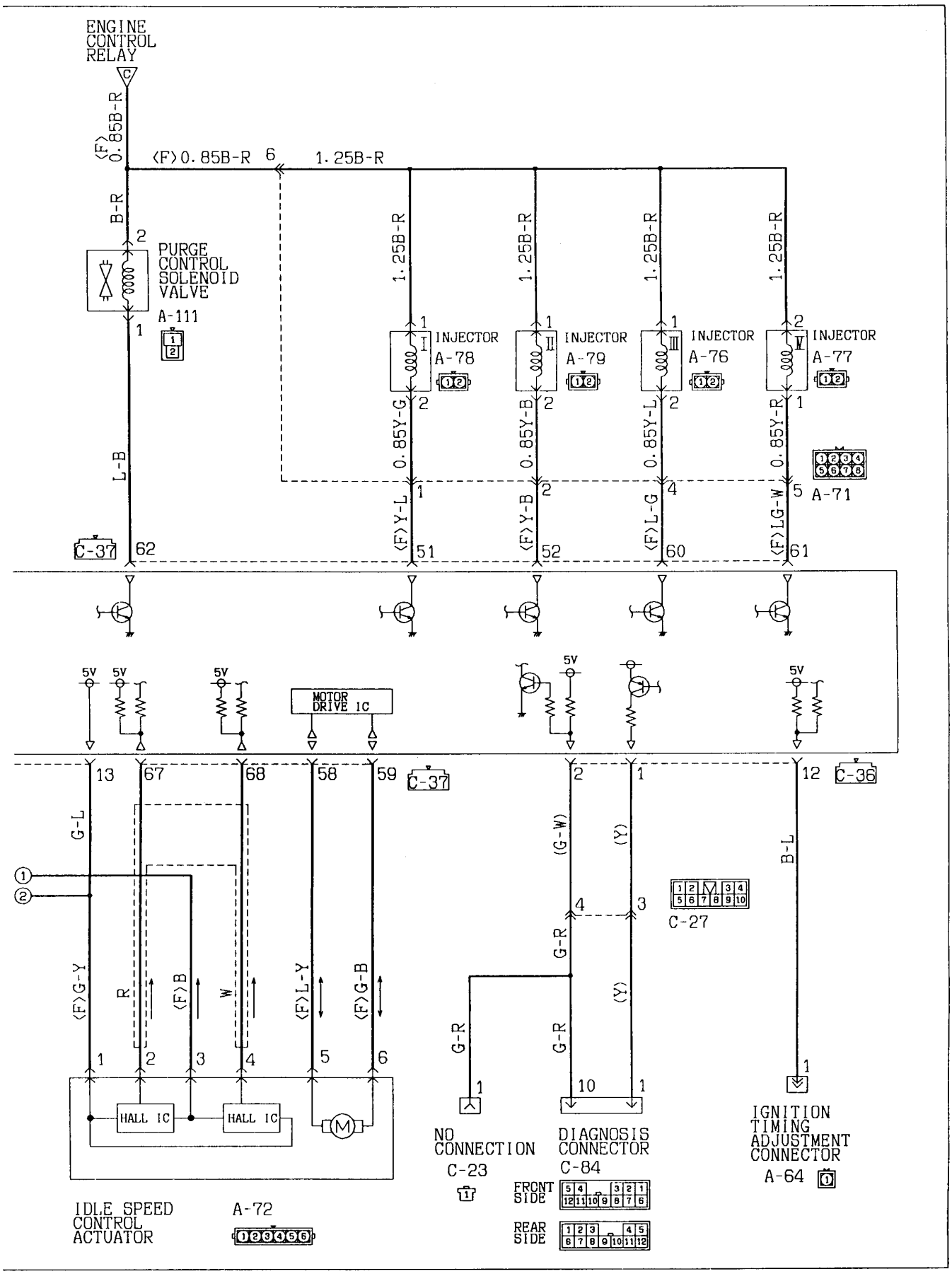
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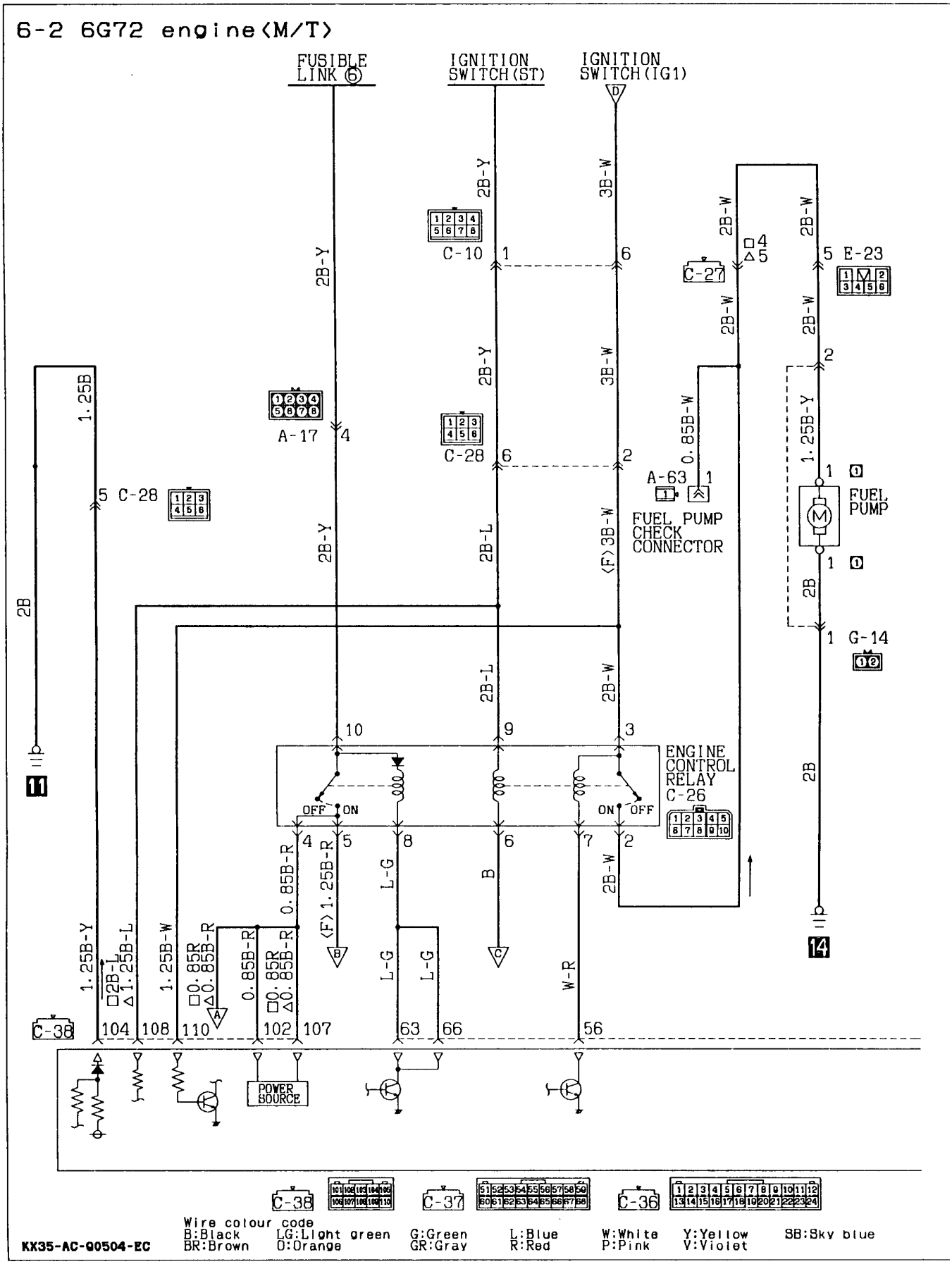
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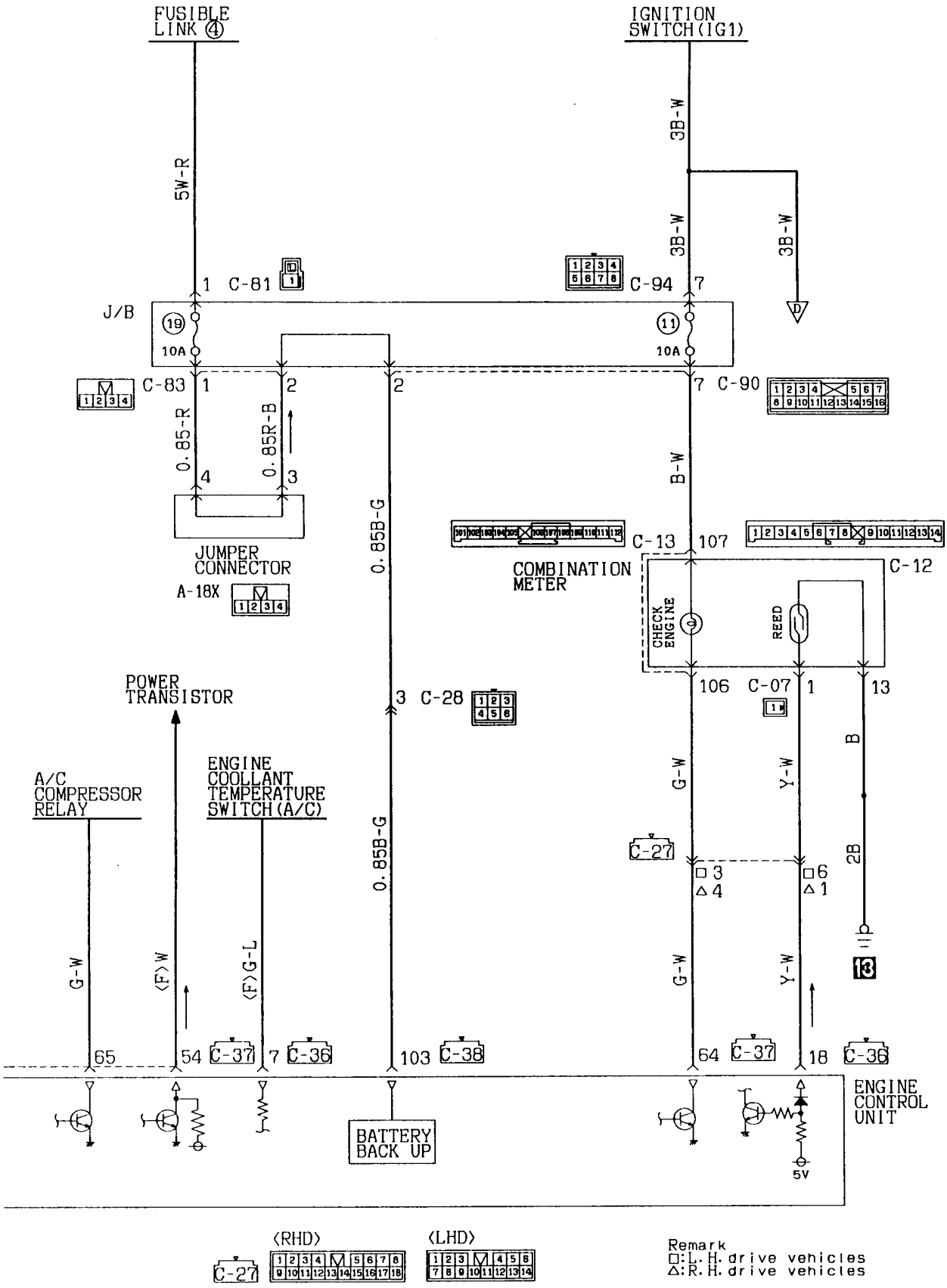
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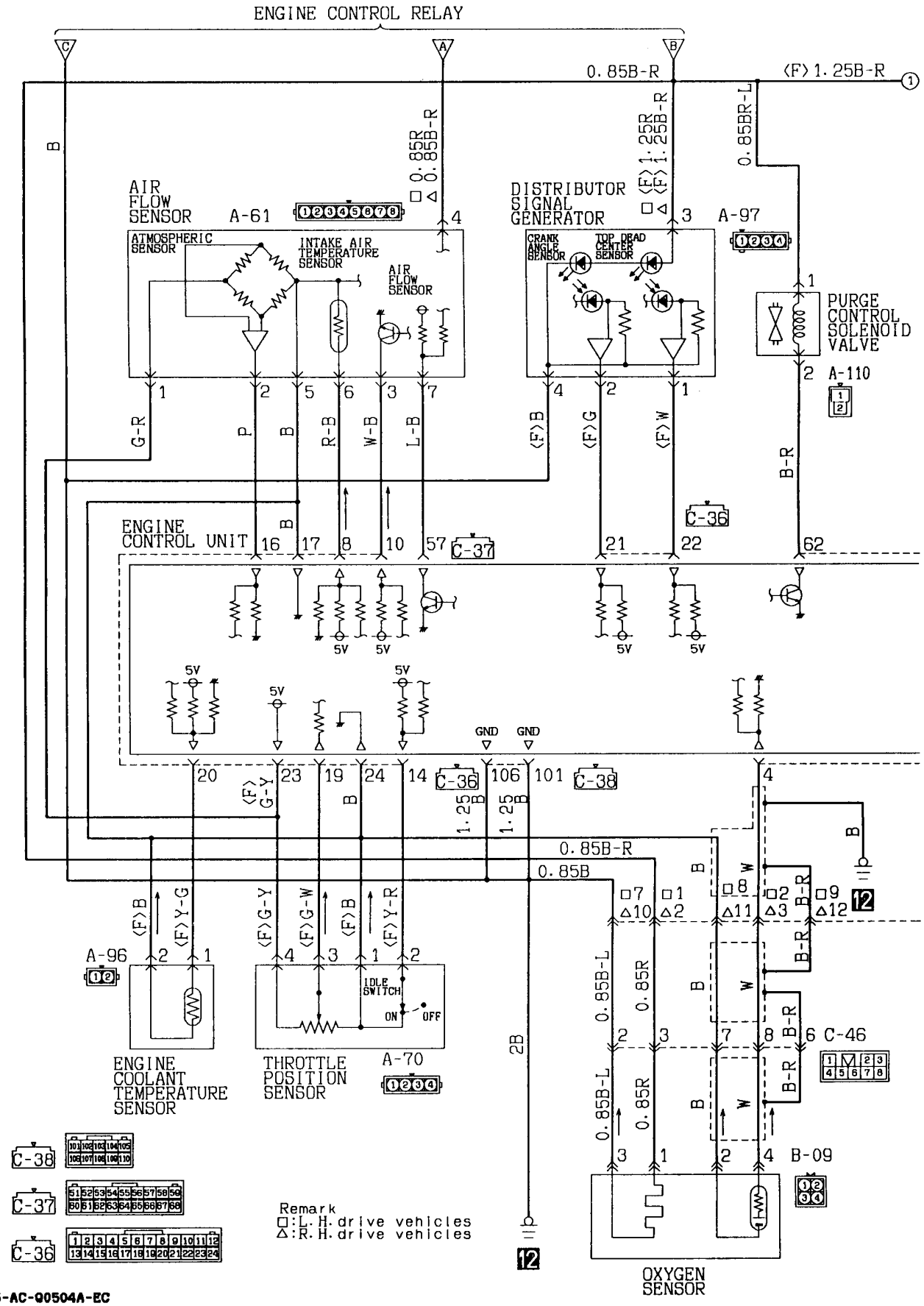


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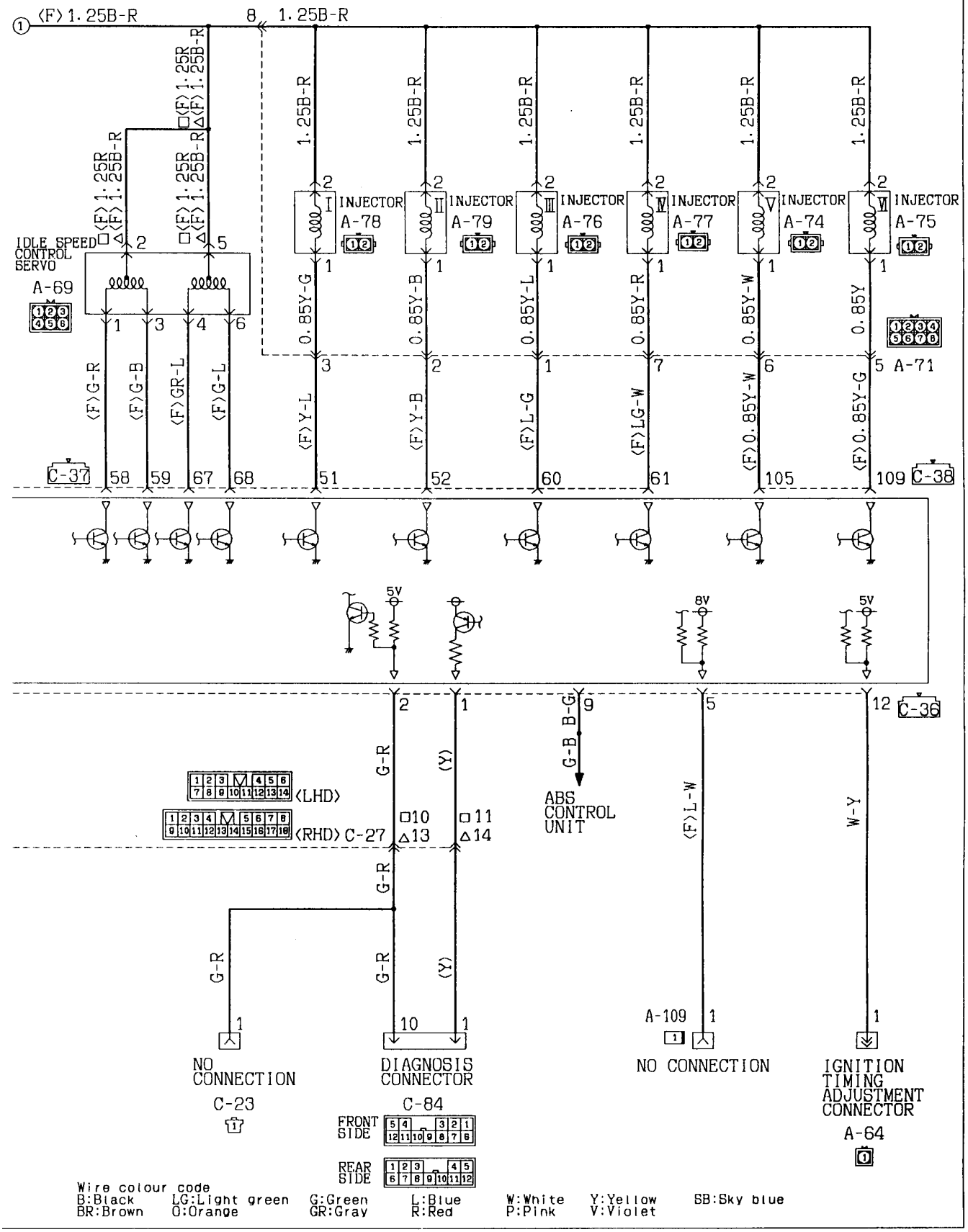
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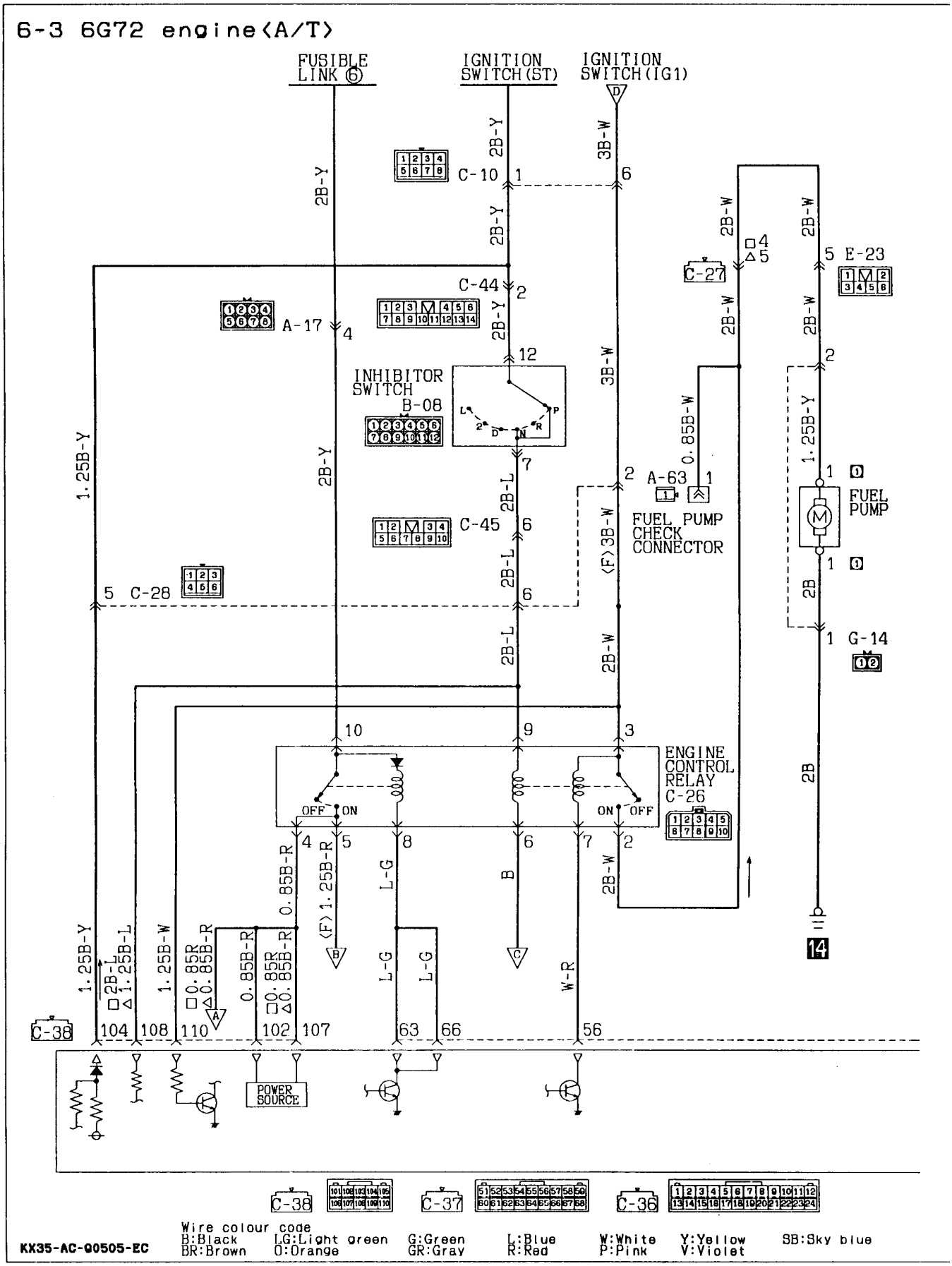
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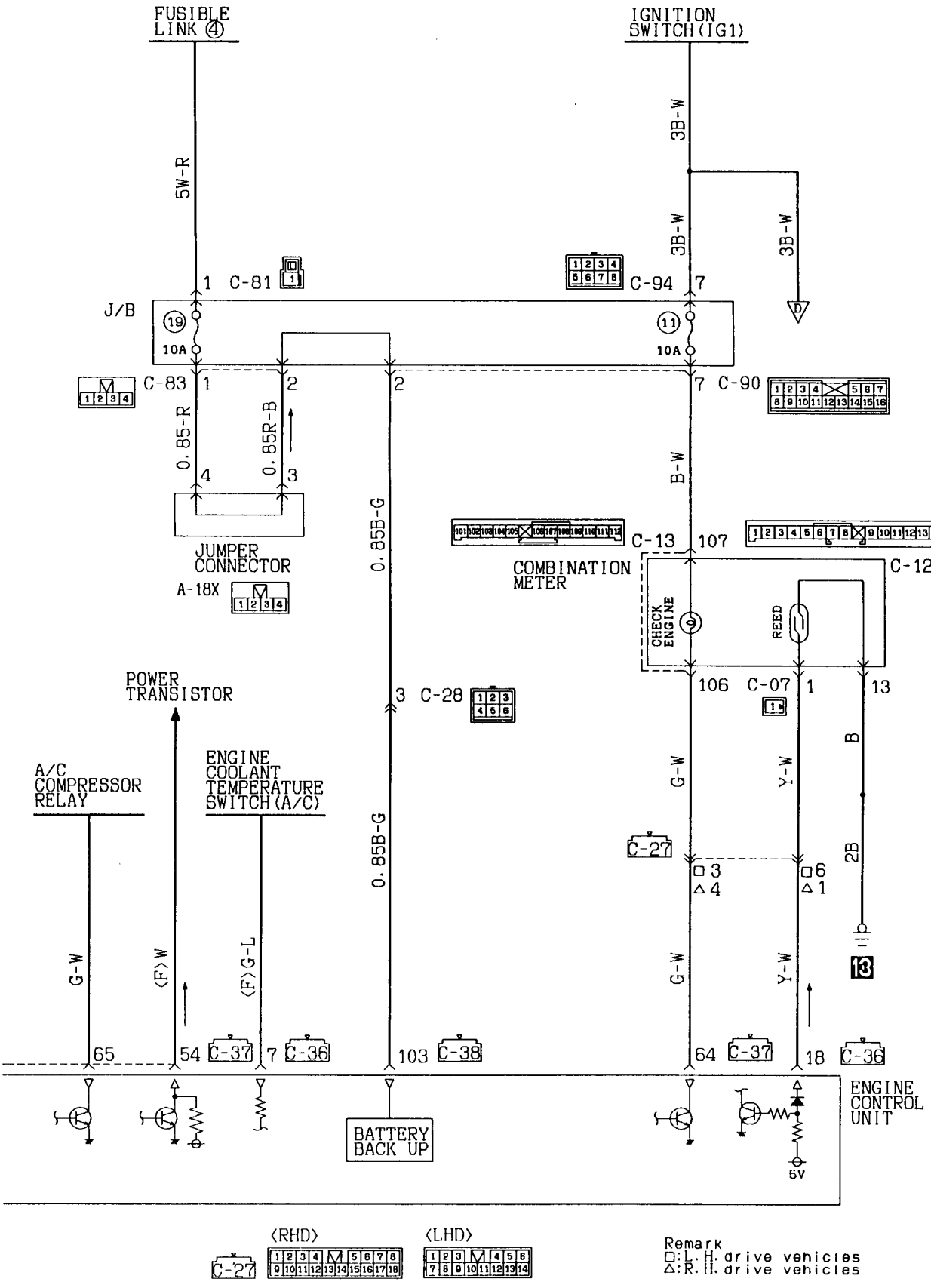
Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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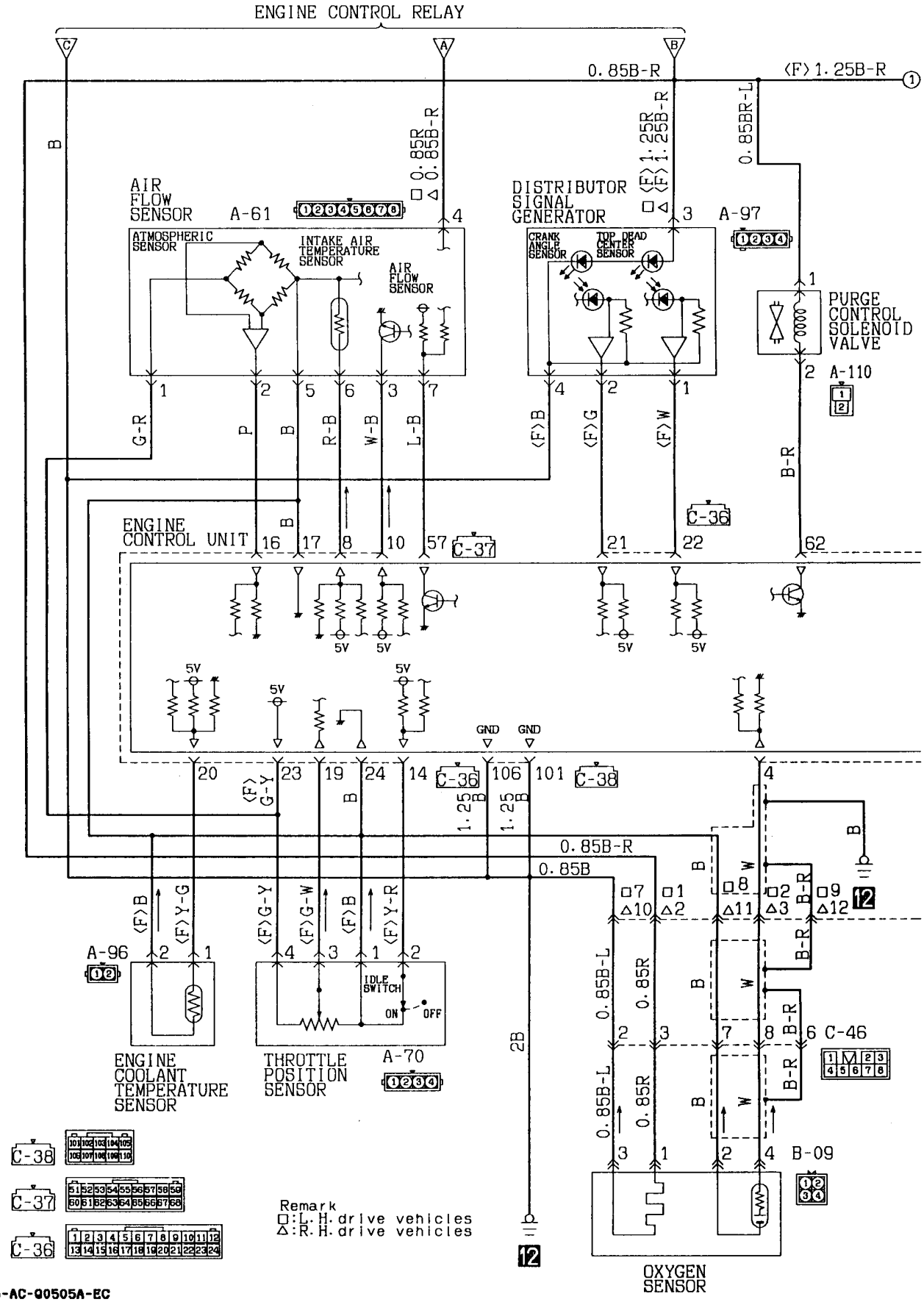
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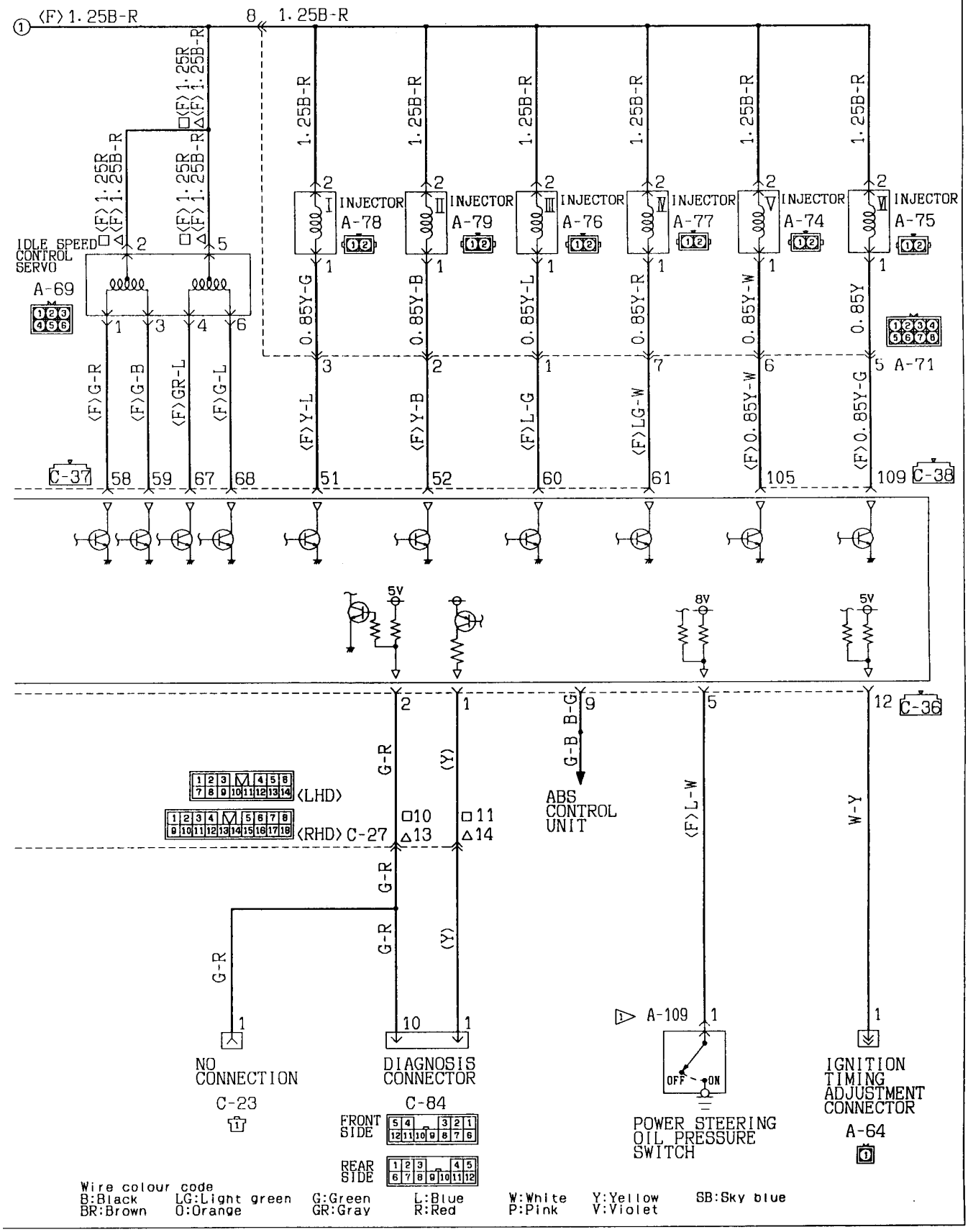
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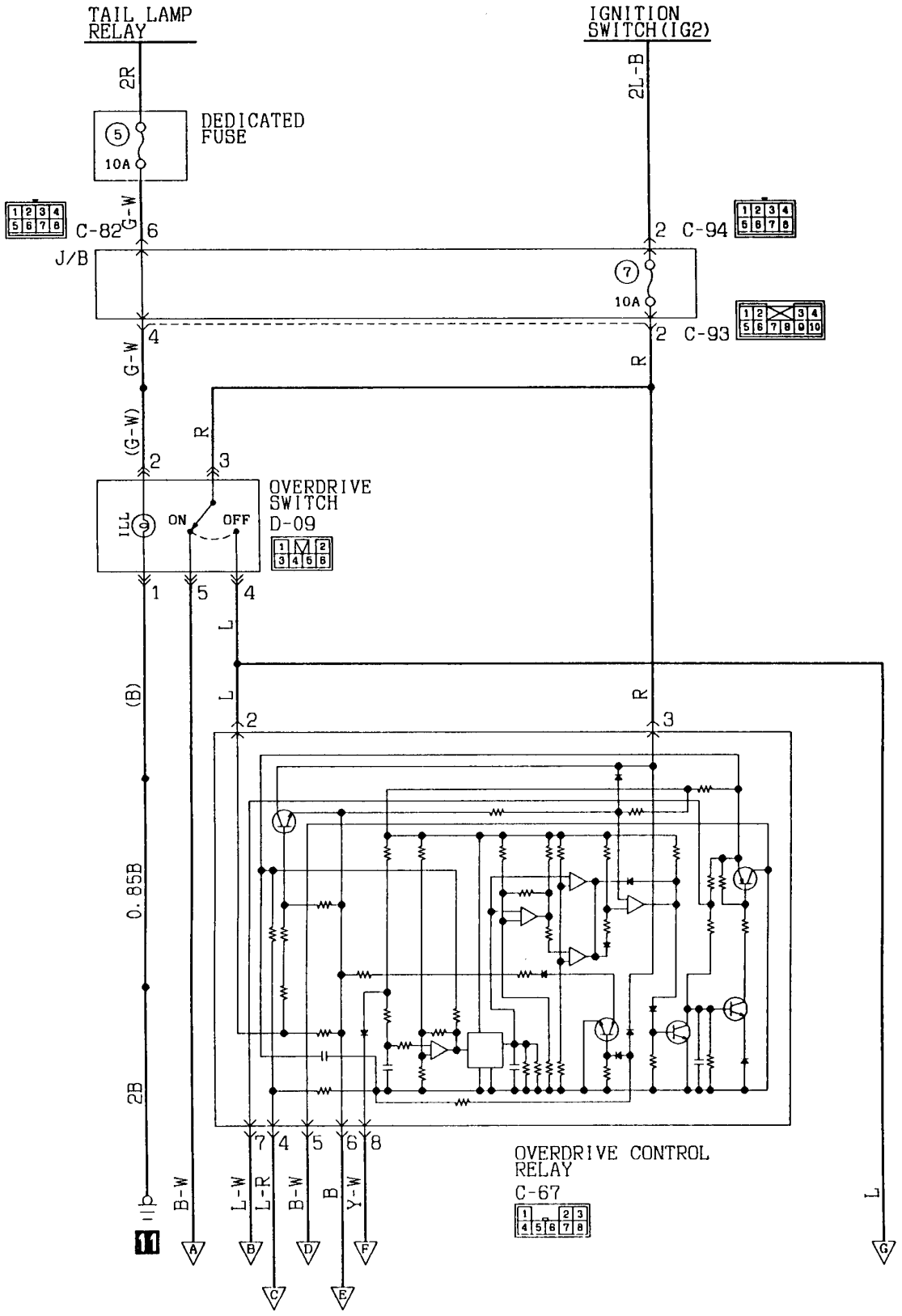
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7 OVERDRIVE CONTROL SYSTEM



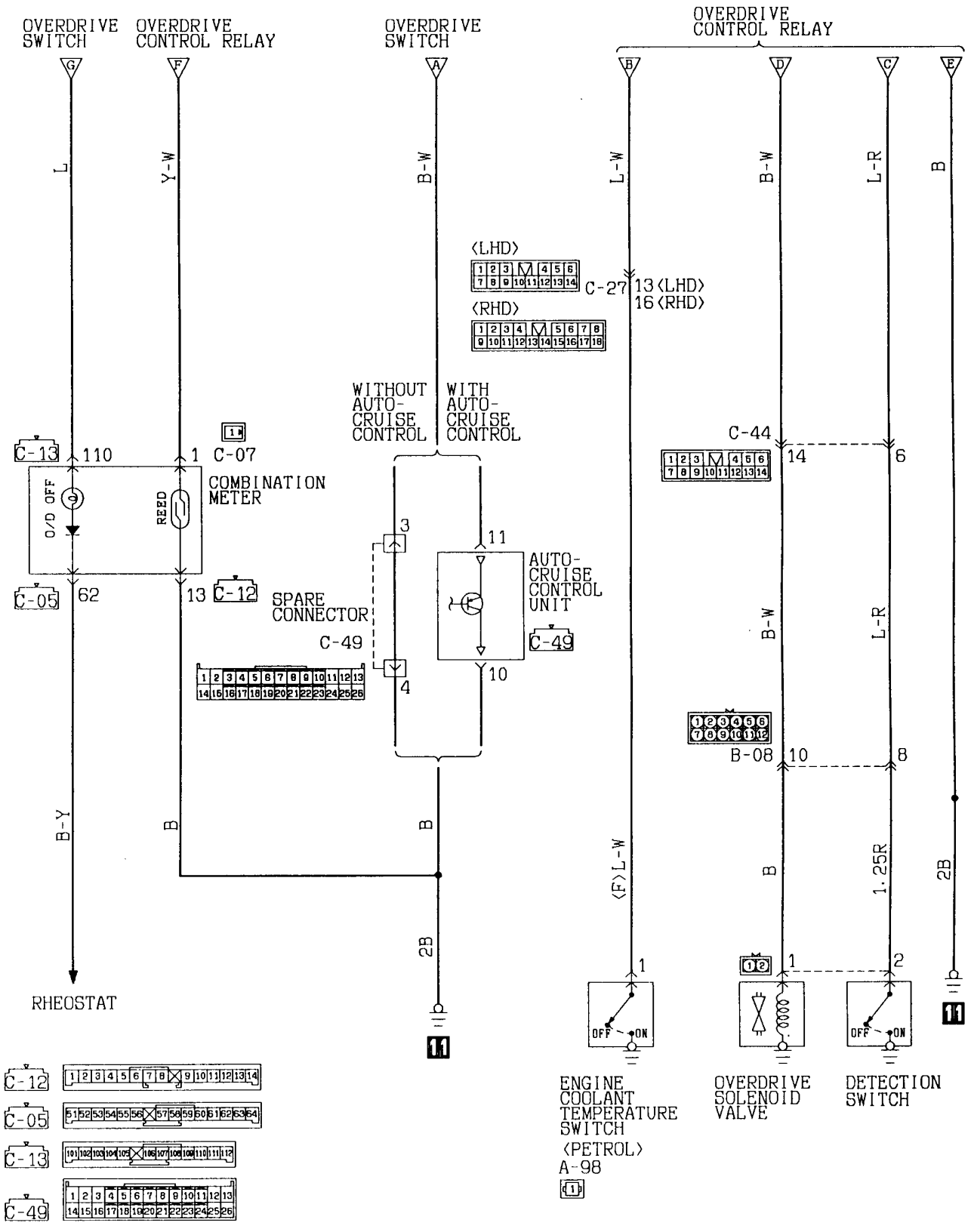
Wire colour code

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OVERDRIVE CONTROL SYSTEM (See P. 4-40.)

OPERATION

〈Overdrive solenoid valve〉

- When the overdrive switch is switched OFF (with the ignition switch at the ON position), battery voltage is applied, through fuse No. ⑦ and the overdrive relay, to the engine coolant temperature switch.
- When the engine coolant temperature becomes 50°C (122°F) or higher, the engine coolant temperature switch is switched ON.
- When the engine coolant temperature switch is switched ON, current flows to the ignition switch, fuse No. ⑦, the overdrive switch, the overdrive relay, the engine coolant temperature switch, and earth, and the relay is switched ON.
- When the overdrive relay is switched OFF, current flows to the ignition switch, fuse No. ⑦, the overdrive switch, the overdrive relay, the overdrive solenoid, and earth, and the solenoid valve is activated.

〈Overdrive off indicator lamp〉

- When the overdrive switch is switched OFF (with the ignition switch at the ON position), current flows to the ignition switch, fuse No. ⑦, the overdrive switch, the overdrive off indicator, and earth, and the indicator illuminates.

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HEADLAMP 〈L.H.drive vehicles without daytime running lamp〉 (See P. 4-44.)

OPERATION

Headlamp Relay ON Conditions
〈1991 Models〉

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ACC" or "ON"	"HEAD"	—	ON
"ACC" or "ON"	—	ON	ON

〈1993 Models〉

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
—	"HEAD"	—	ON
—	—	ON	ON

〈Low-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, then the headlamps light up in low beam.

〈Upper-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the hedlamps light up in upper beam.

〈Upper-beam indicator lamp〉

- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

〈Passing operation〉

- When the dimmer/passing switch is set to the "ON" position, the headlamp relay is switched ON and the upper beam of the headlamps illuminates.

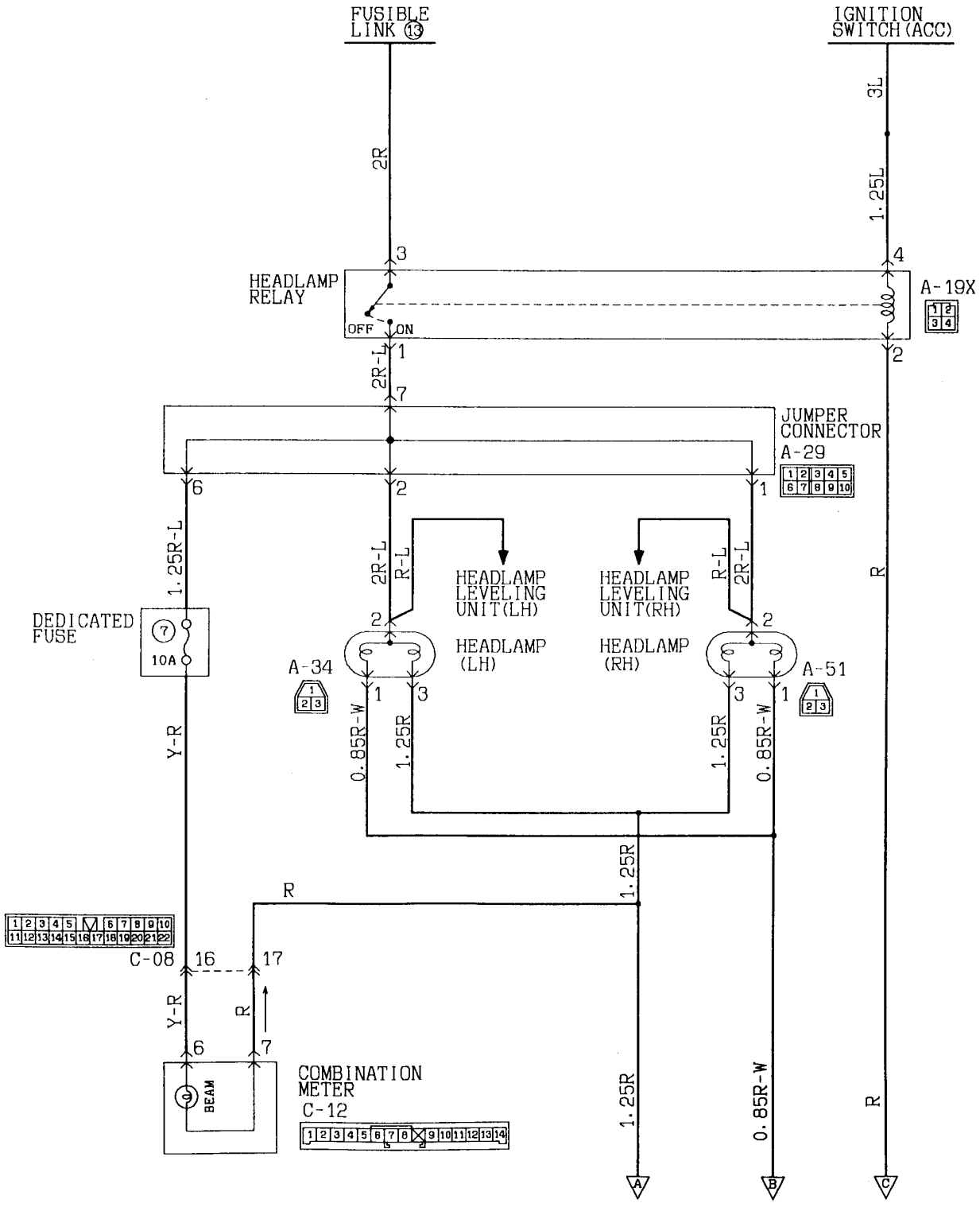
TROUBLESHOOTING HINTS

1. Headlamps don't come on.
   1) But the tail lamps do illuminate.
      - Check the headlamp relay.
      - Check the lighting switch.
   2) The tail lamps also don't illuminate.
      - Check the fusible link No. ⑬.
2. The low beam at both sides doesn't illuminate.
   - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
   1) The passing signal functions OK.
      - Check the dimmer switch HI contacts.
   2) The passing signal doesn't function.
      - Check the dimmer switch.
4. One headlamp doesn't illuminate.
   - Check the bulb.
5. Can't switch from low to upper beam or vice-versa.
   - Check the dimmer switch.
6. Upper-beam indicator lamp does not come on.
   1) Headlamp upper beams are operational.
      - Check dedicated fuse No. ⑦.
      - Check the indicator lamp bulb.

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8 HEADLAMP

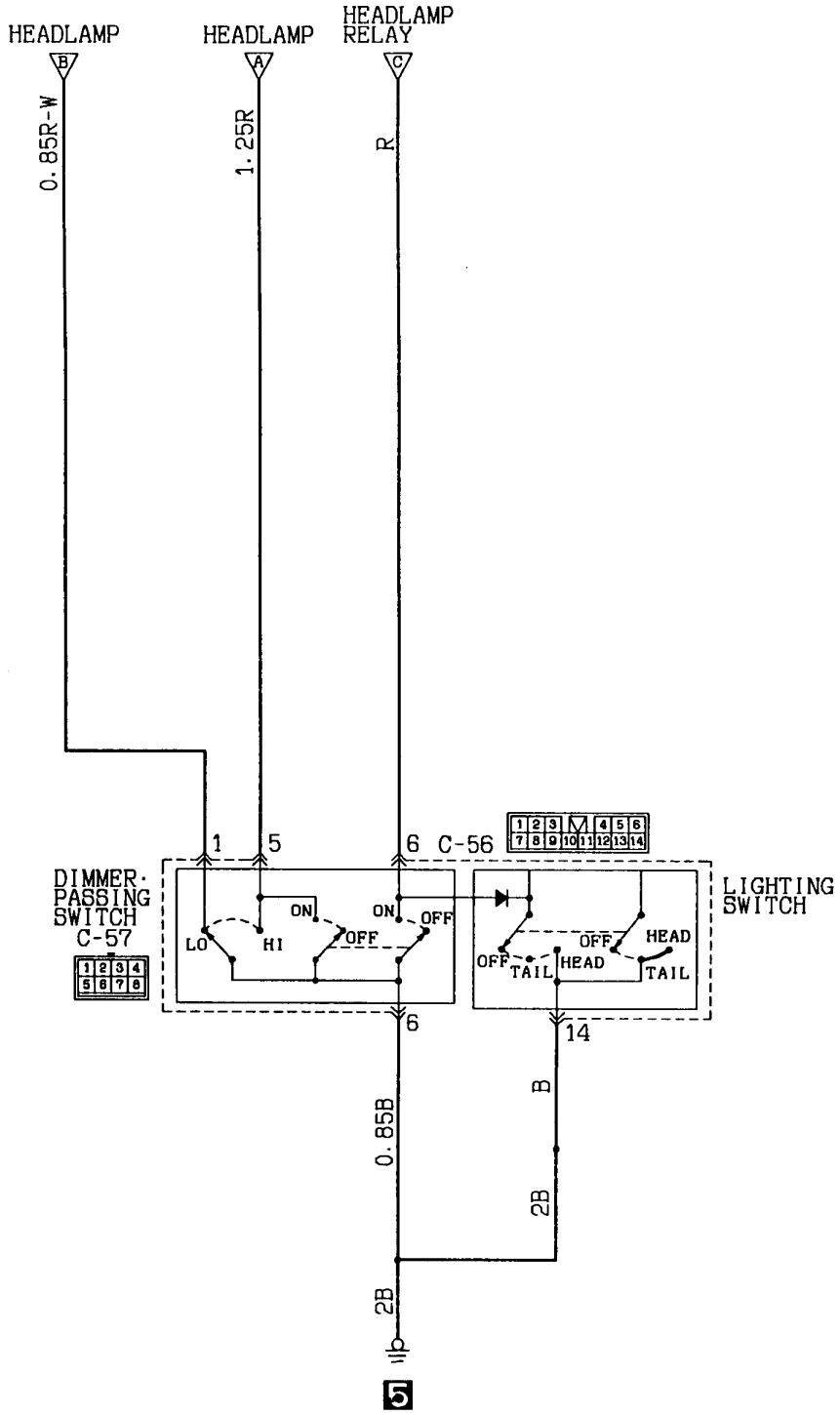
8-1 L.H. drive vehicles without daytime running lamp (1991 MODELS)



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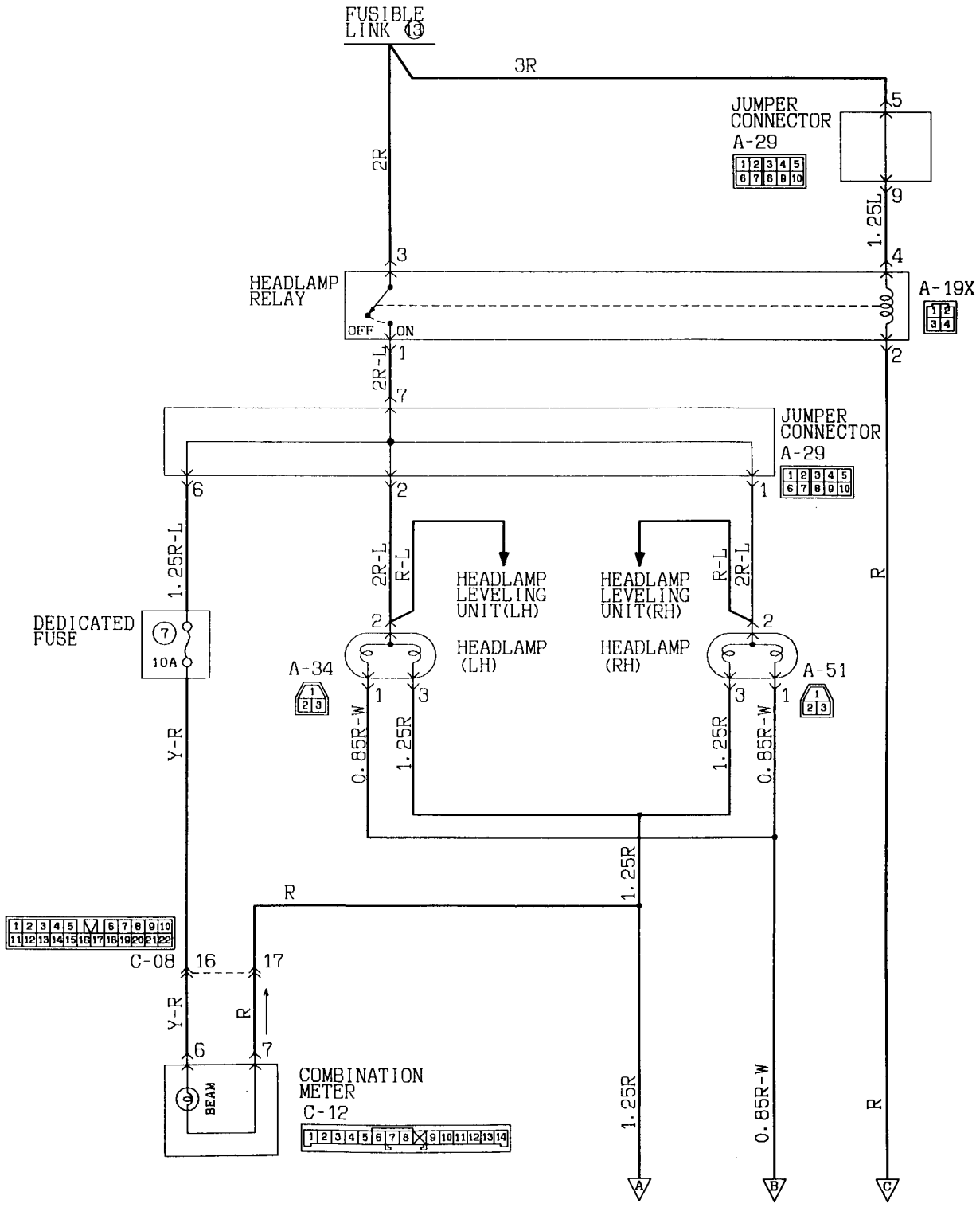
Wire colour code

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

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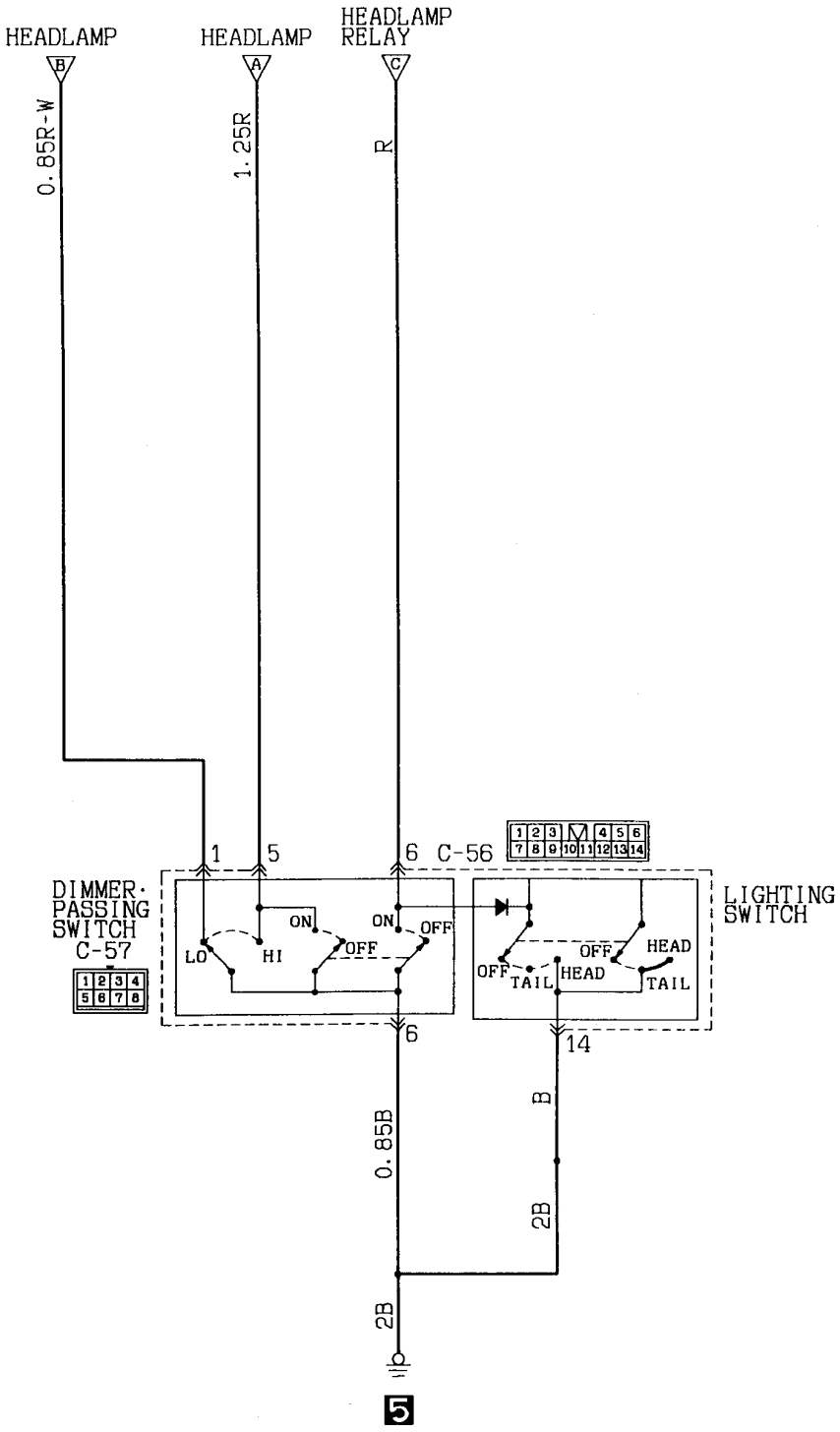
8-1 L.H. drive vehicles without daytime running lamp <1993 MODELS>



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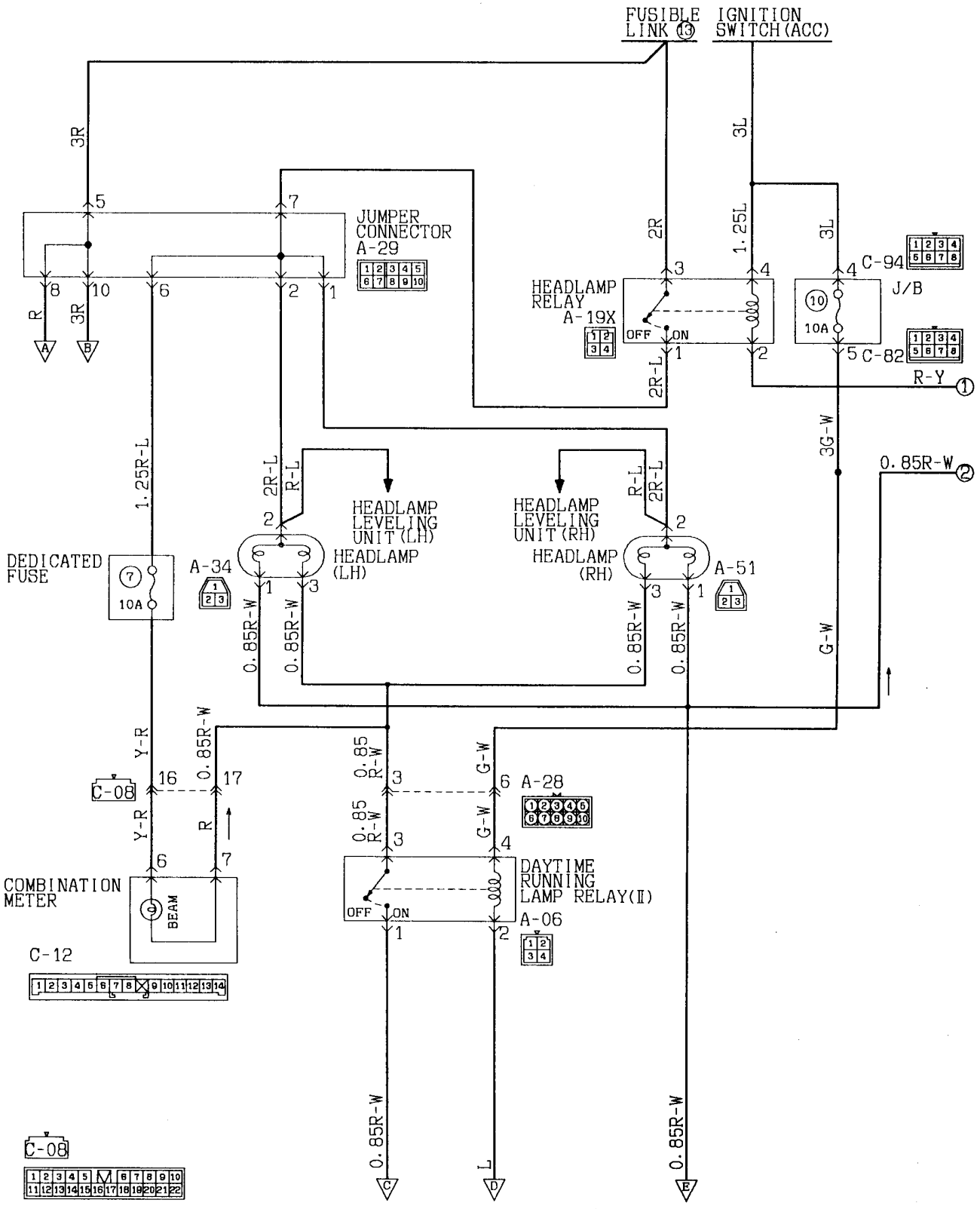
Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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8-2 L.H. drive vehicles with daytime running lamp <1991 MODELS>



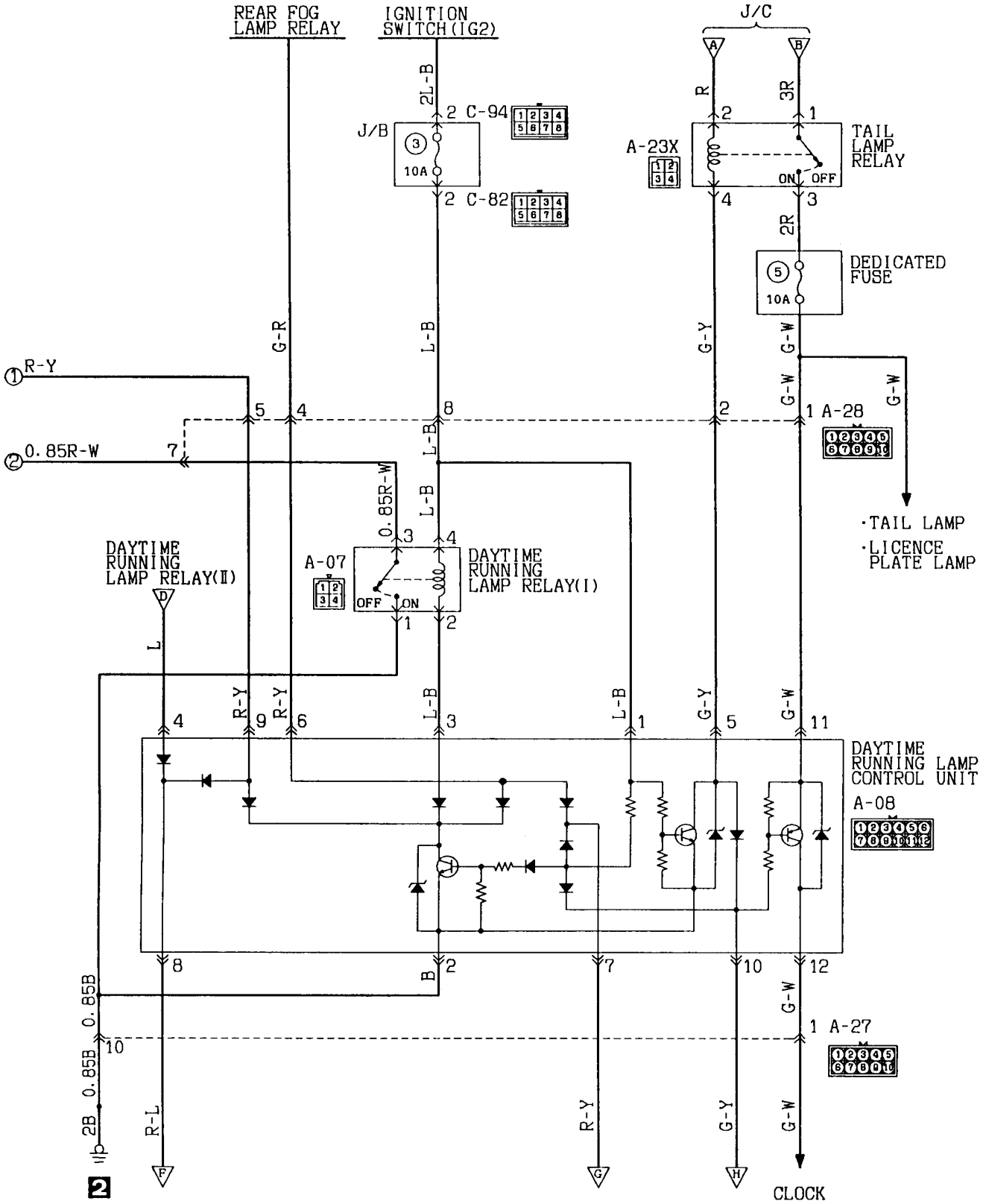
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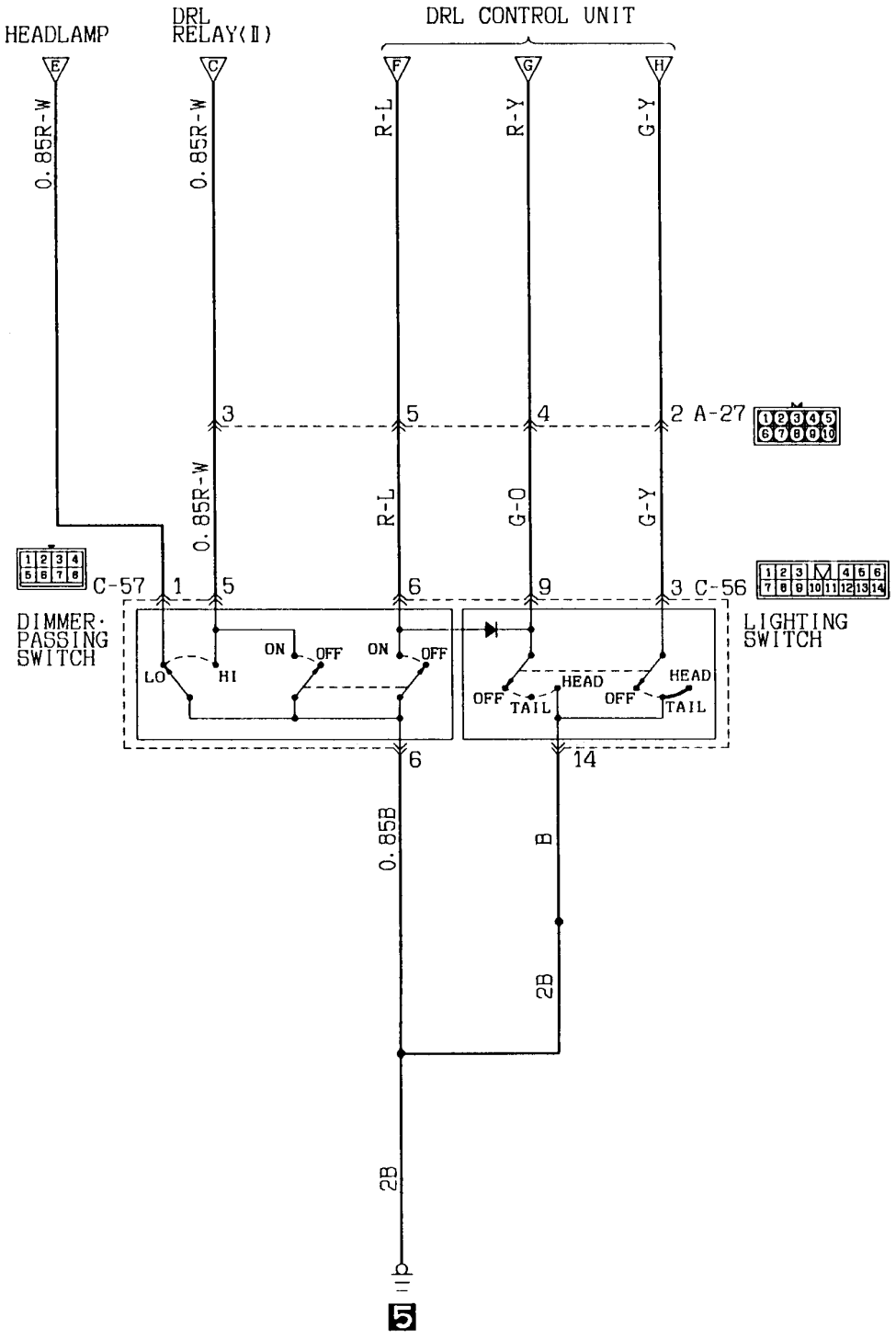
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Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-Q0802A-EC

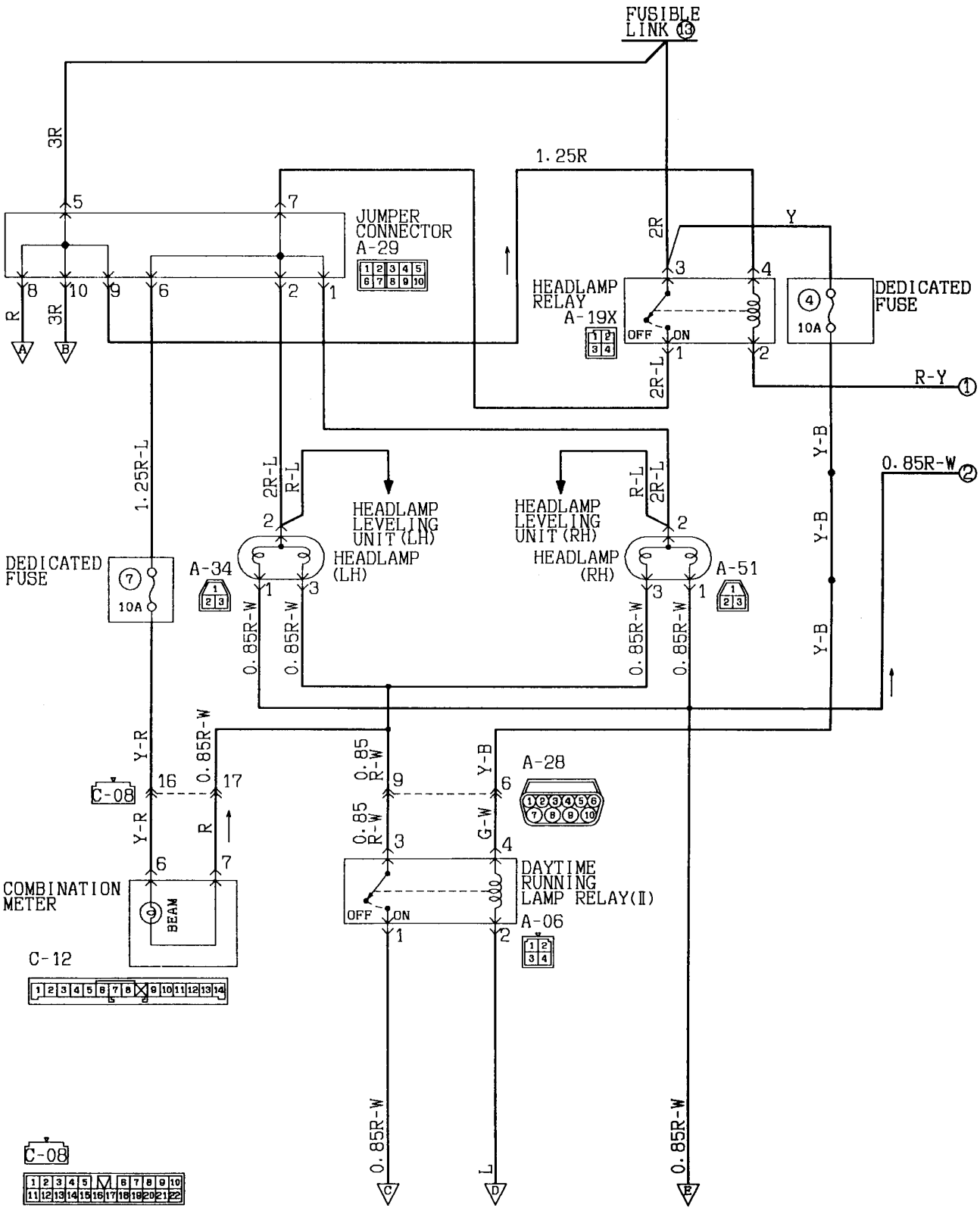
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8-2 L.H. drive vehicles with daytime running lamp (1993 MODELS)

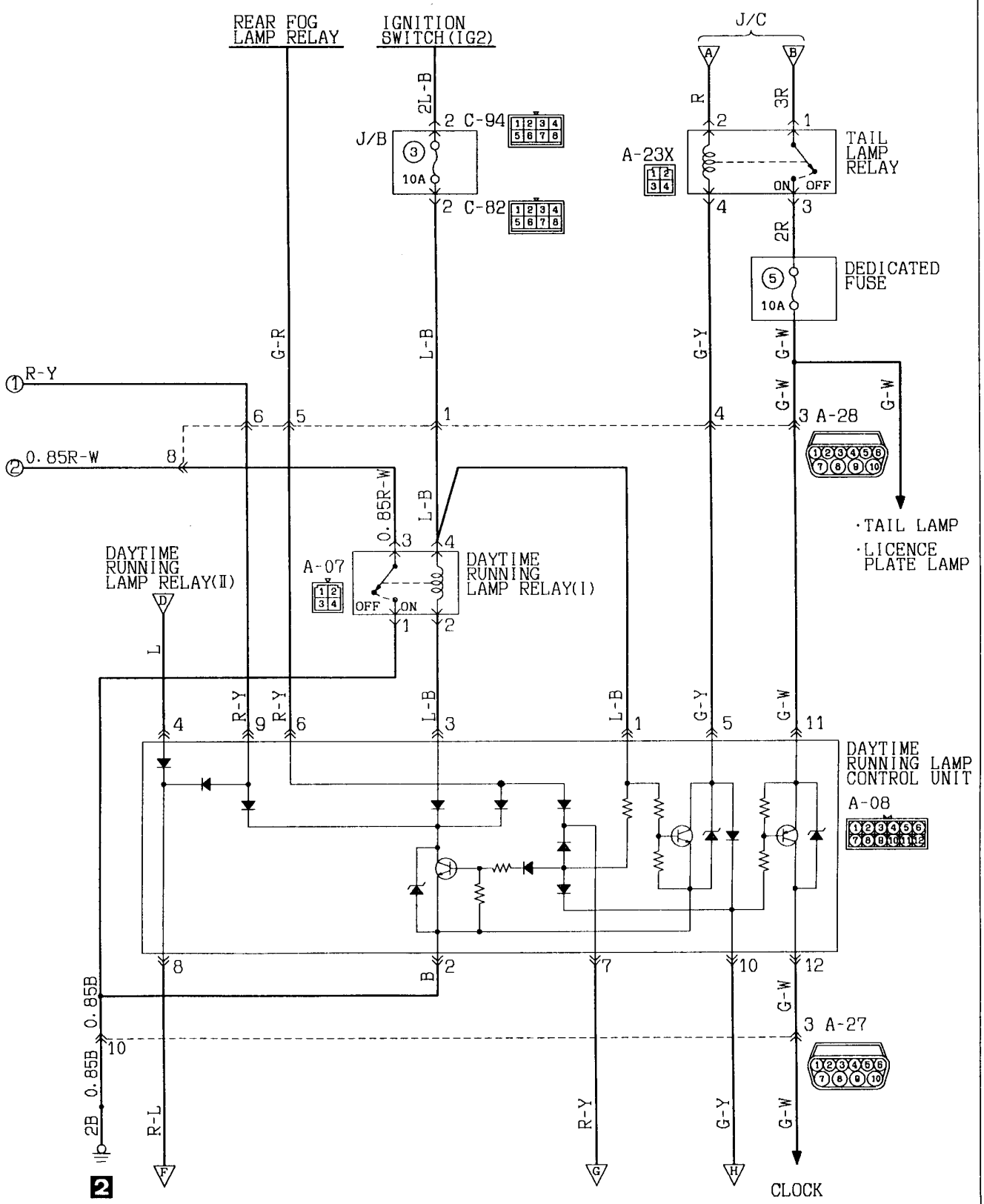


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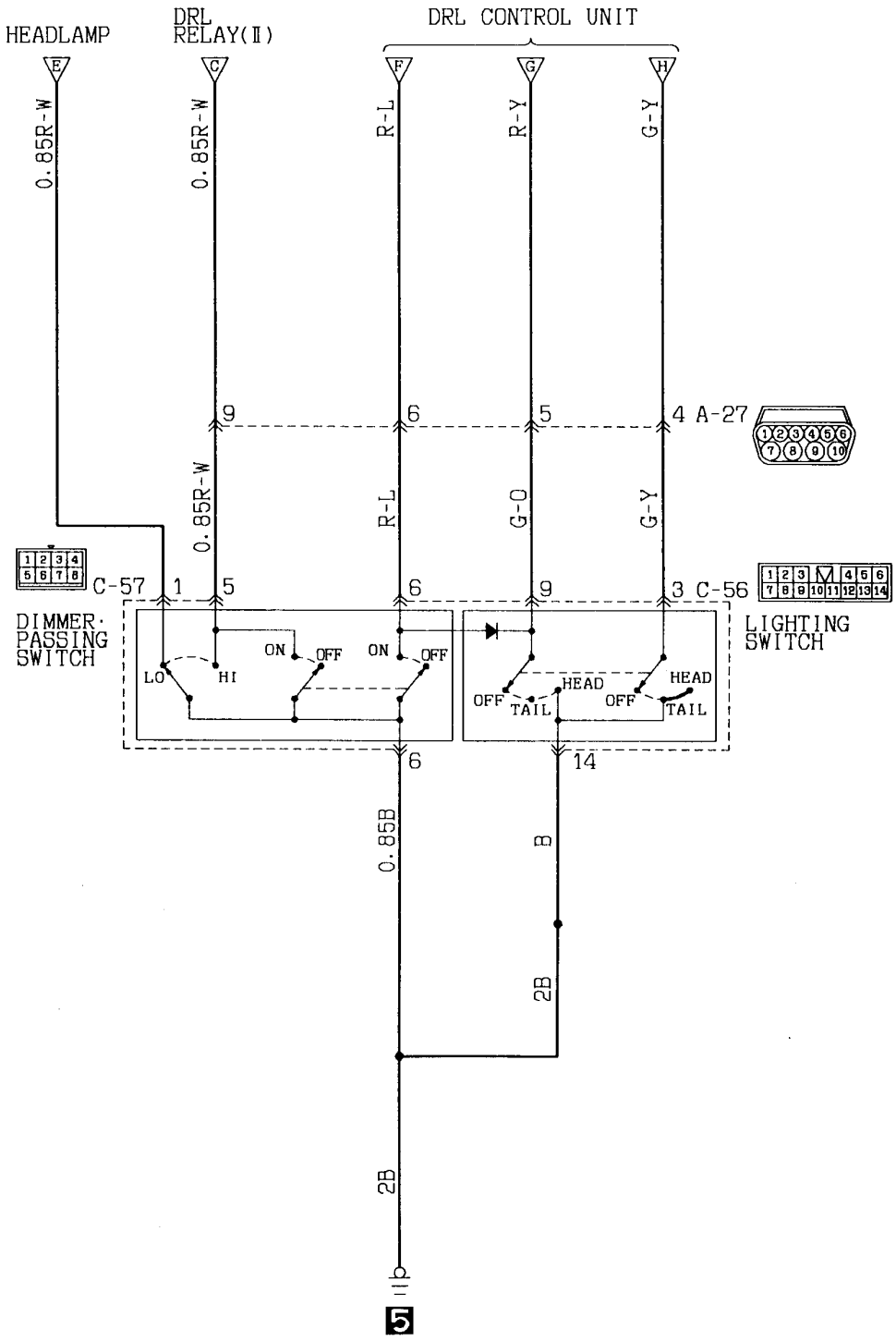
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HEADLAMP 〈L.H.drive vehicles with daytime running lamp〉 (See P. 4-46.)

OPERATION

Headlamp Relay ON Conditions
〈1991 Models〉

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ON"	—	—	ON
"ACC" or "ON"	"HEAD"	—	ON
"ACC" or "ON"	—	ON	ON

〈1993 Models〉

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ON"	—	—	ON
—	"HEAD"	—	ON
—	—	ON	ON

〈Daytime running lamp operation〉

- Turning the ignition switch to the ON position causes the headlamp relay, daytime running lamp relay (Ⅰ), and tail lamp relay to be energized, which causes the headlamps, tail lamps, etc. to come on.

〈Low-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay and daytime running lamp relay (Ⅱ) to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, the headlamps light up in low beam.

〈Upper-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay and daytime running lamp relay (Ⅱ) to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

〈Upper-beam indicator lamp〉

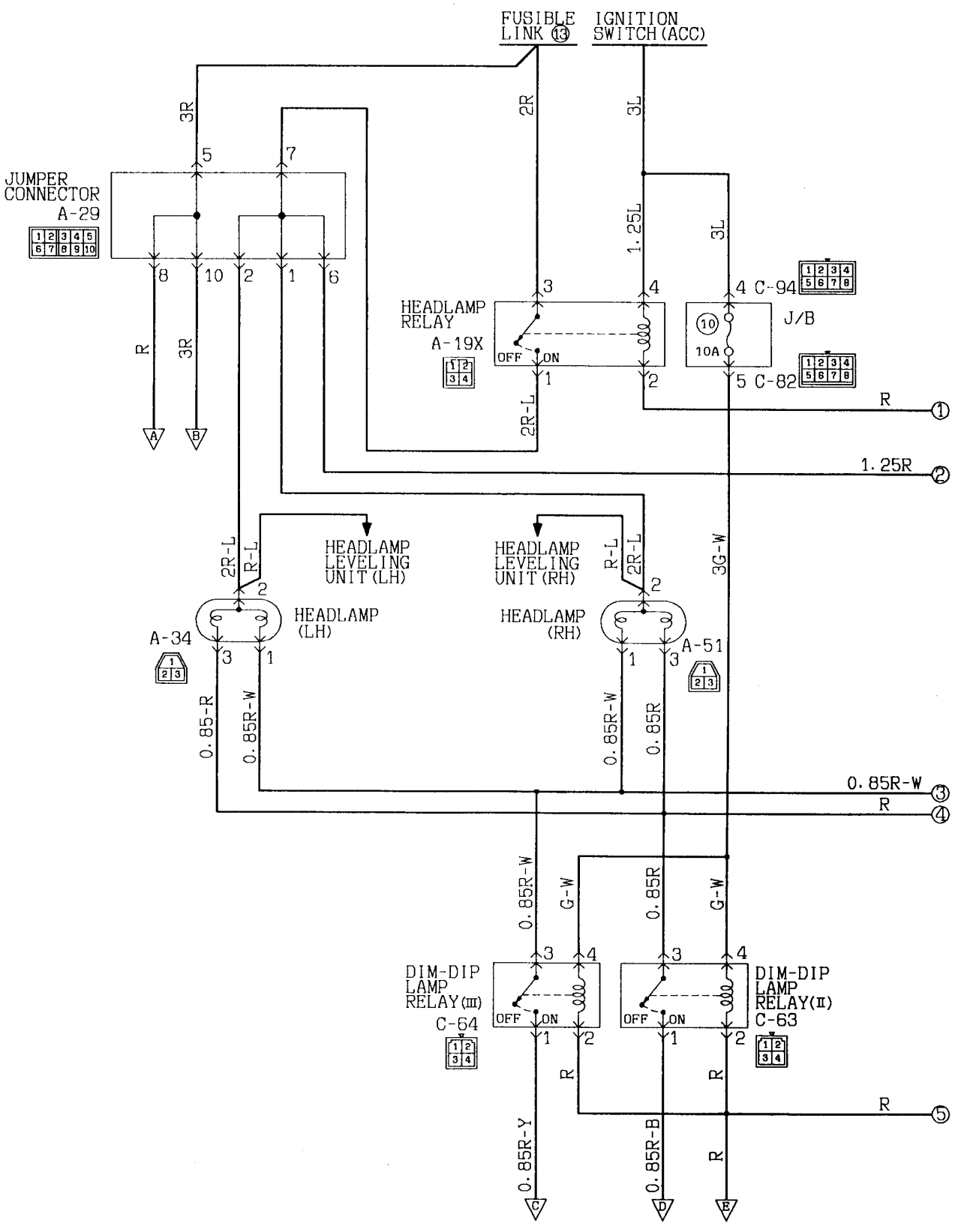
- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

TROUBLESHOOTING HINTS

1. Headlamps don't come on.
   1) But the tail lamps do illuminate.
      - Check the headlamp relay.
      - Check the lighting switch.
   2) The tail lamps also don't illuminate.
      - Check the fusible link No. ⑬.
2. The low beam at both sides doesn't illuminate.
   - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
   1) The passing signal functions OK.
      - Check the dimmer switch HI contacts.
   2) The passing signal doesn't function.
      - Check the dimmer switch.
      - Check the daytime running lamp relay (Ⅱ).
      - Check the daytime running lamp control unit.
4. One headlamp doesn't illuminate.
   - Check the bulb.
5. Can't switch from low to upper beam or vice-versa.
   - Check the dimmer switch.
6. With the ignition switch at the "ON" position, the headlamps' low beam does not illuminate.
   - Check the daytime running lamp relay (Ⅰ).
   - Check the daytime running lamp control unit.
7. Upper-beam indicator lamp does not come on.
   1) Headlamp upper beams are operational.
      - Check dedicated fuse No. ⑦.
      - Check the indicator lamp bulb.

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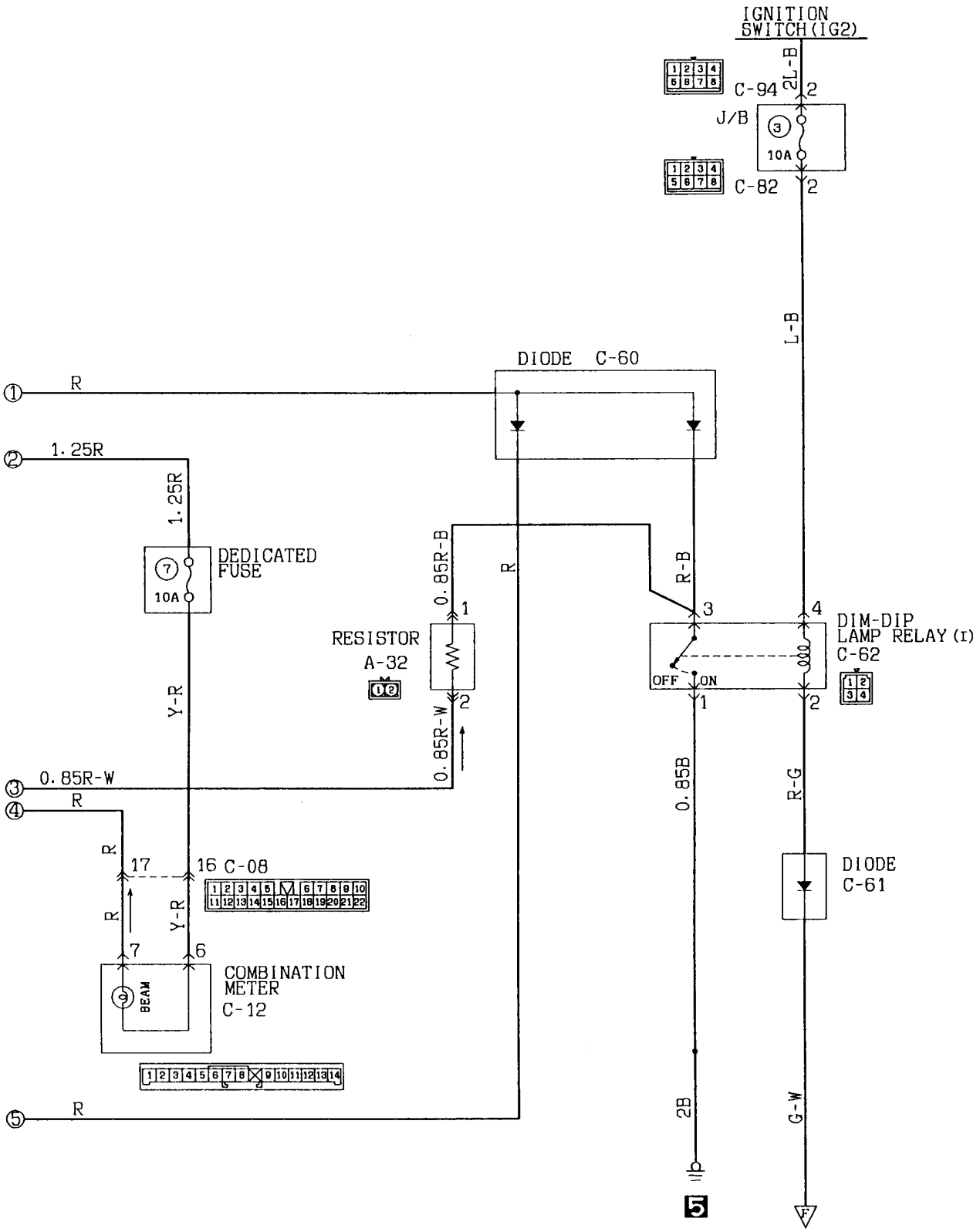
8-3 R.H. drive vehicles〈1991 MODELS〉



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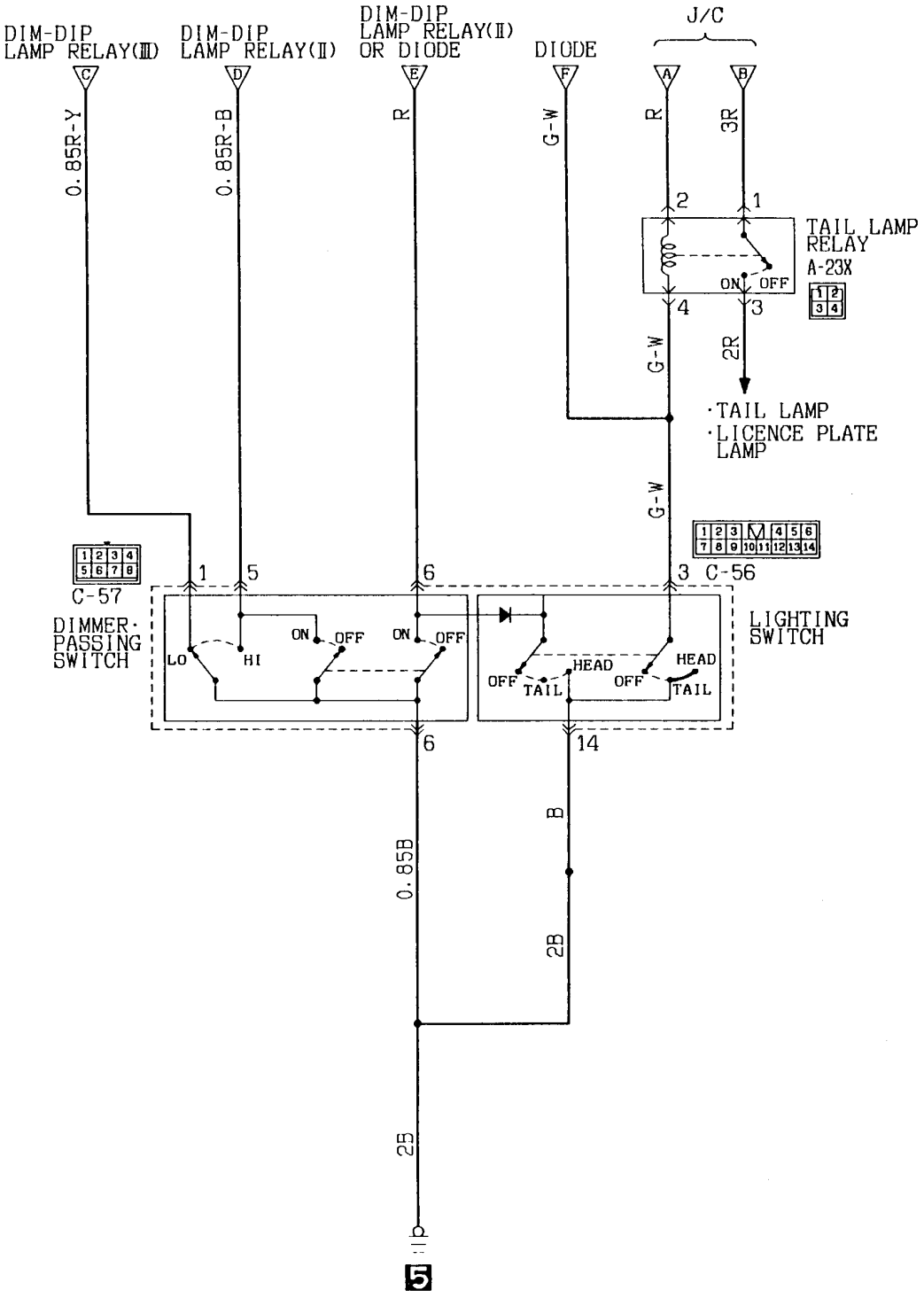


Wire colour code

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

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Wire colour code

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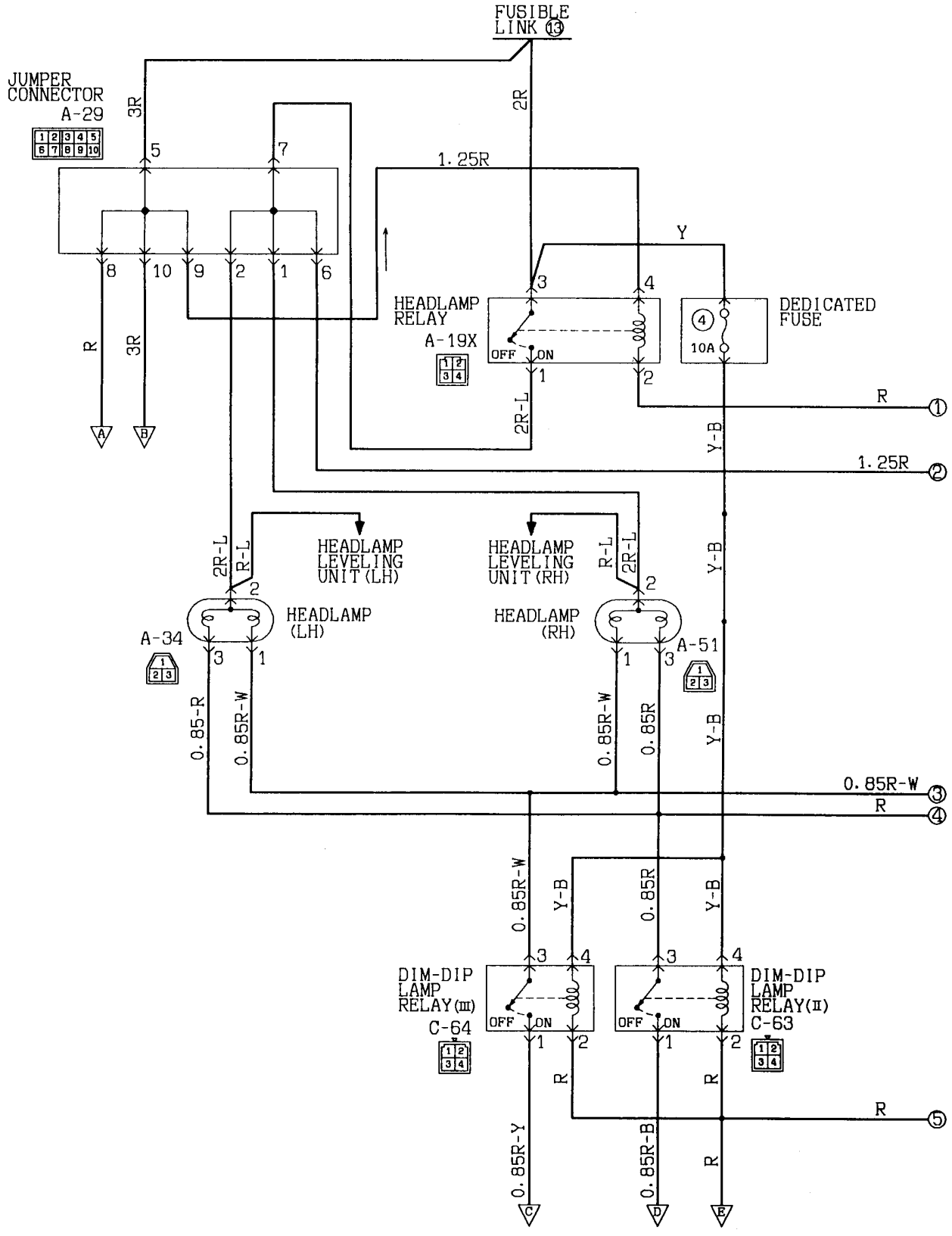
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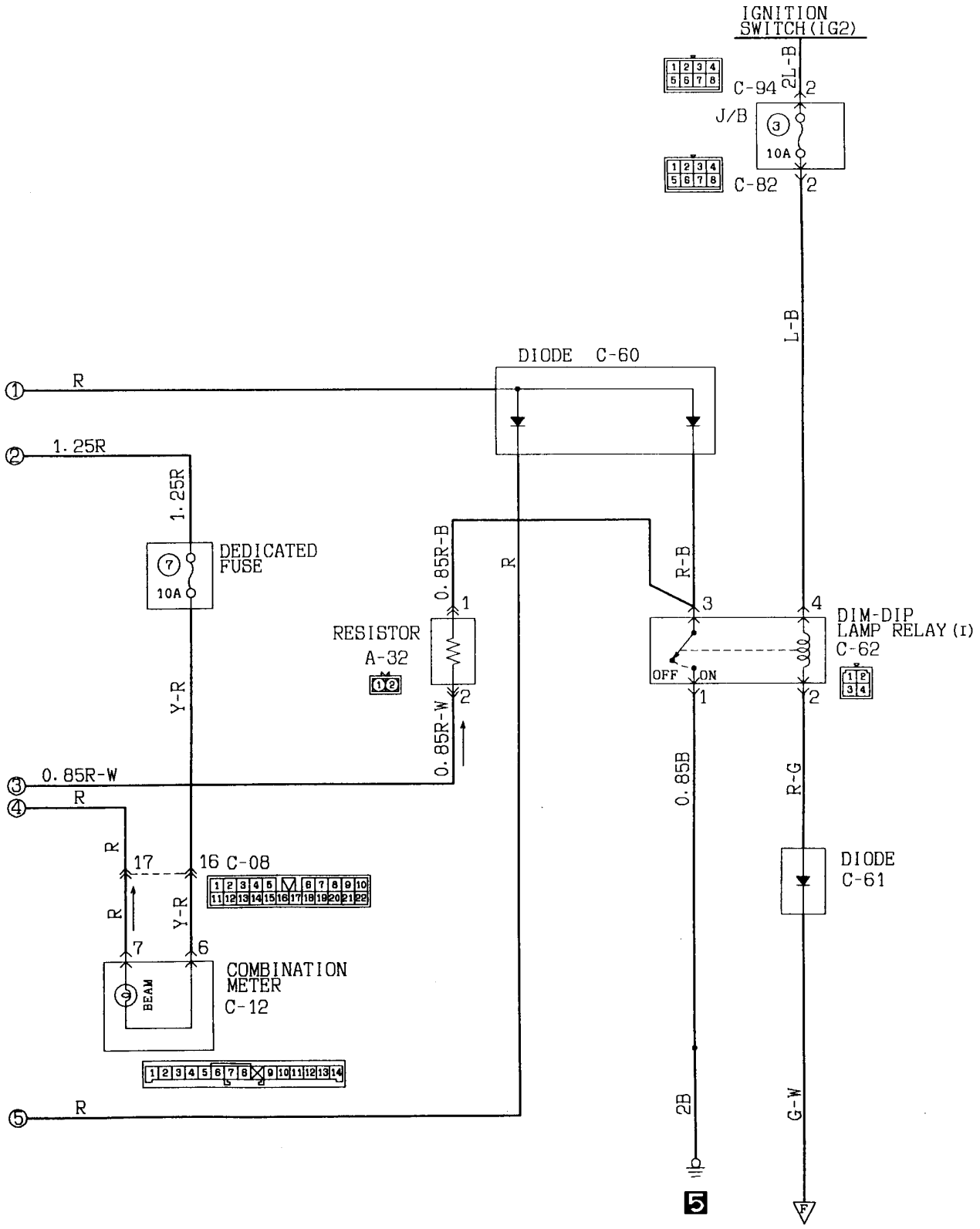
8-3 R.H.drive vehicles〈1993 MODELS〉



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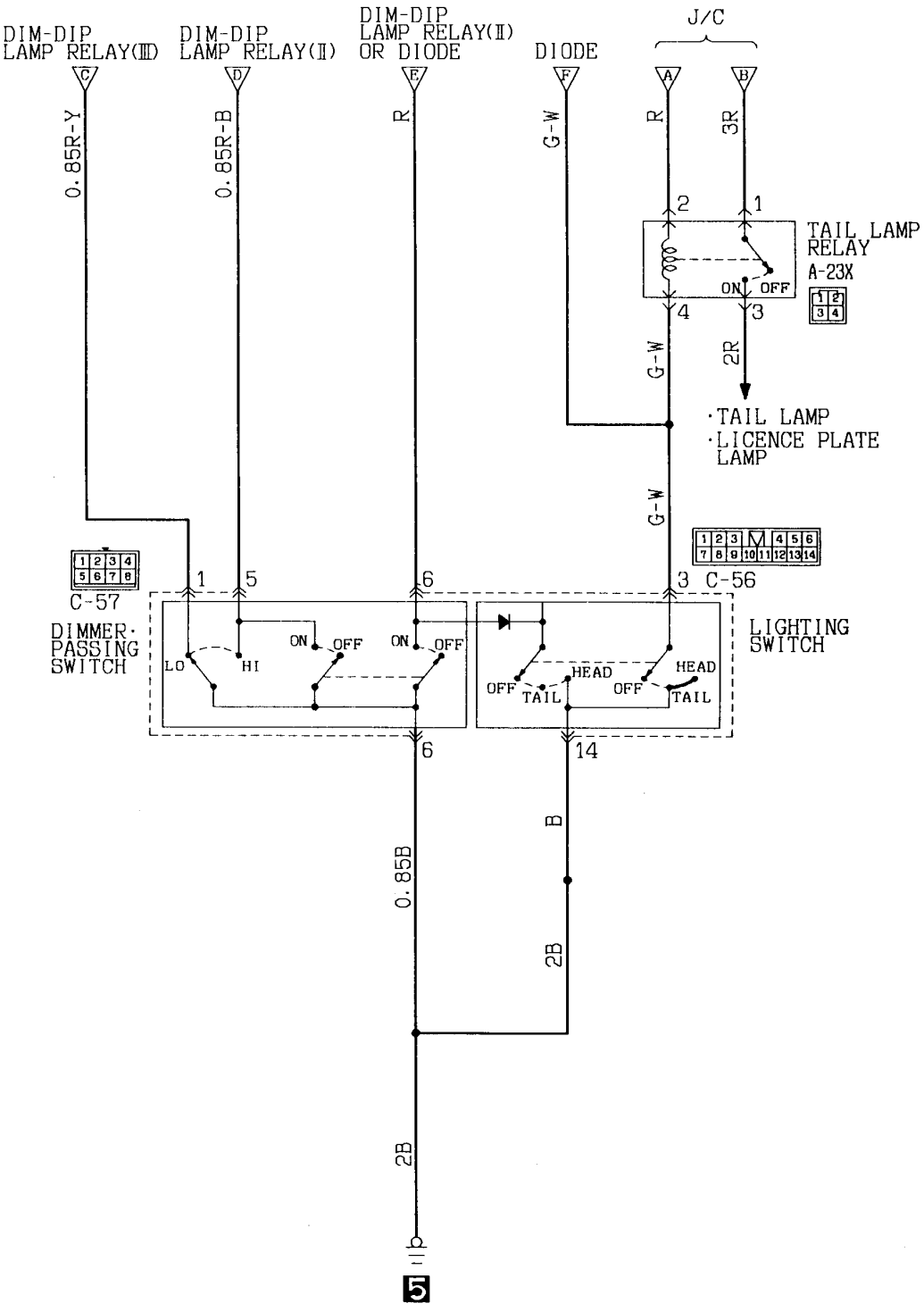
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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HEADLAMP 〈R.H.drive vehicles〉 (See P. 4-50.)

OPERATION

Headlamp Relay ON Conditions
〈1991 Models〉

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ON"	"TAIL"	—	ON
"ACC" or "ON"	"HEAD"	—	ON
"ACC" or "ON"	—	ON	ON

〈1993 Models〉

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ON"	"TAIL"	—	ON
—	"HEAD"	—	ON
—	—	ON	ON

〈Dim-dip lamp operation〉

- Placing the lighting switch in the TAIL position causes dim-dip lamp relay (Ⅰ) to be energized.
- This causes the headlamp relay to be also energized resulting in the headlamps being lit up dimly through the circuit by way of resistor.

〈Low-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay, dim-dip lamp relay (Ⅱ), and dim-dip lamp relay (Ⅲ) to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, the headlamps light up in low beam.

〈Upper-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay, dim-dip lamp relay (Ⅱ) and dim-dip lamp relay (Ⅲ) to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

〈Upper-beam indicator lamp〉

- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

TROUBLESHOOTING HINTS

1. Headlamps don't come on.
   1) But the tail lamps do illuminate.
      - Check the headlamp relay.
      - Check the lighting switch.
      - Check the dim-dip lamp relays (Ⅱ) and (Ⅲ).
   2) The tail lamps also don't illuminate.
      - Check the fusible link No. ⑬.
2. The low beam at both sides doesn't illuminate.
   - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
   1) The passing signal functions OK.
      - Check the dimmer switch HI contacts.
   2) The passing signal doesn't function.
      - Check the dimmer switch.
4. One headlamp doesn't illuminate.
   - Check the bulb.
5. Can't switch from low to upper beam or vice-versa.
   - Check the dimmer switch.
6. The headlamps' low beam does not illuminate at the "TAIL" position of the lighting switch.
   1) The low beam does illuminate, however, when, with lighting switch at the "HEAD" position, the dimmer switch is set to "LO".
      - Check the dim-dip lamp relay (Ⅰ).
      - Check the resistor.
      - Check the diode.
7. Upper-beam indicator lamp does not come on.
   1) Headlamp upper beams are operational.
      - Check dedicated fuse No. ⑦.
      - Check the indicator lamp bulb.

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HEADLAMP 〈R.H.drive vehicles〉 (See P. 4-50.)

OPERATION

Headlamp Relay ON Conditions

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ON"	"TAIL"	—	ON
"ACC" or "ON"	"HEAD"	—	ON
"ACC" or "ON"	—	ON	ON

〈Dim-dip lamp operation〉

- Placing the lighting switch in the TAIL position causes dim-dip lamp relay (Ⅰ) to be energized.
- This causes the headlamp relay to be also energized resulting in the headlamps being lit up dimly through the circuit by way of resistor.

〈Low-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay, dim-dip lamp relay (Ⅱ), and dim-dip lamp relay (Ⅲ) to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, the headlamps light up in low beam.

〈Upper-beam operation〉

- Placing the lighting switch in the HEAD position causes the headlamp relay, dim-dip lamp relay (Ⅱ) and dim-dip lamp relay (Ⅲ) to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

〈Upper-beam indicator lamp〉

- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

TROUBLESHOOTING HINTS

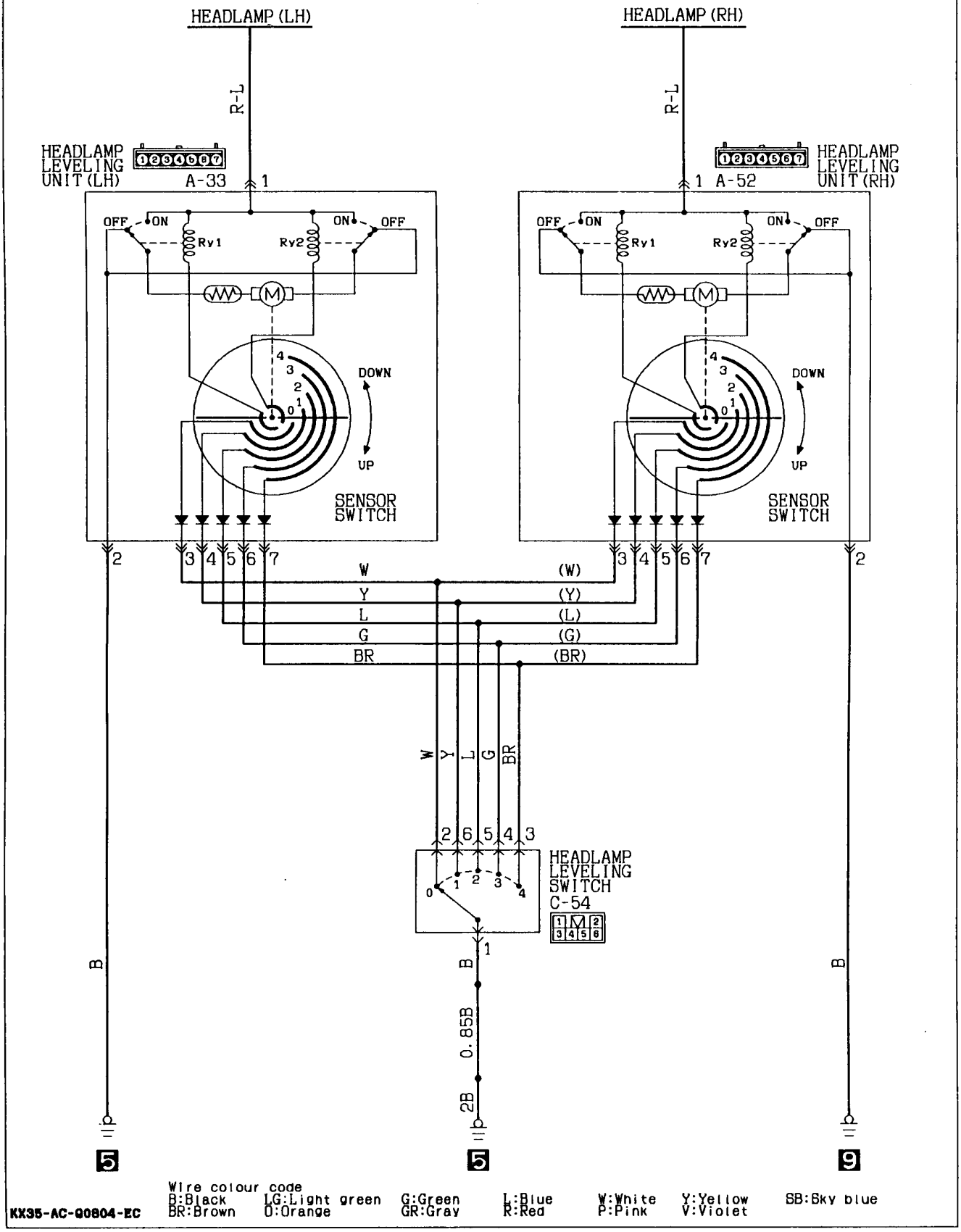
1. Headlamps don't come on.
   1) But the tail lamps do illuminate.
      - Check the headlamp relay.
      - Check the lighting switch.
      - Check the dim-dip lamp relays (Ⅱ) and (Ⅲ).
   2) The tail lamps also don't illuminate.
      - Check the fusible link No. ⑬.
2. The low beam at both sides doesn't illuminate.
   - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
   1) The passing signal functions OK.
      - Check the dimmer switch HI contacts.
   2) The passing signal doesn't function.
      - Check the dimmer switch.
4. One headlamp doesn't illuminate.
   - Check the bulb.
5. Can't switch from low to upper beam or vice-versa.
   - Check the dimmer switch.
6. The headlamps' low beam does not illuminate at the "TAIL" position of the lighting switch.
   1) The low beam does illuminate, however, when, with lighting switch at the "HEAD" position, the dimmer switch is set to "LO".
      - Check the dim-dip lamp relay (Ⅰ).
      - Check the resistor.
      - Check the diode.
7. Upper-beam indicator lamp does not come on.
   1) Headlamp upper beams are operational.
      - Check dedicated fuse No. ⑦.
      - Check the indicator lamp bulb.

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9 HEADLAMP LEVELING SYSTEM

9-1 L.H. drive vehicles



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

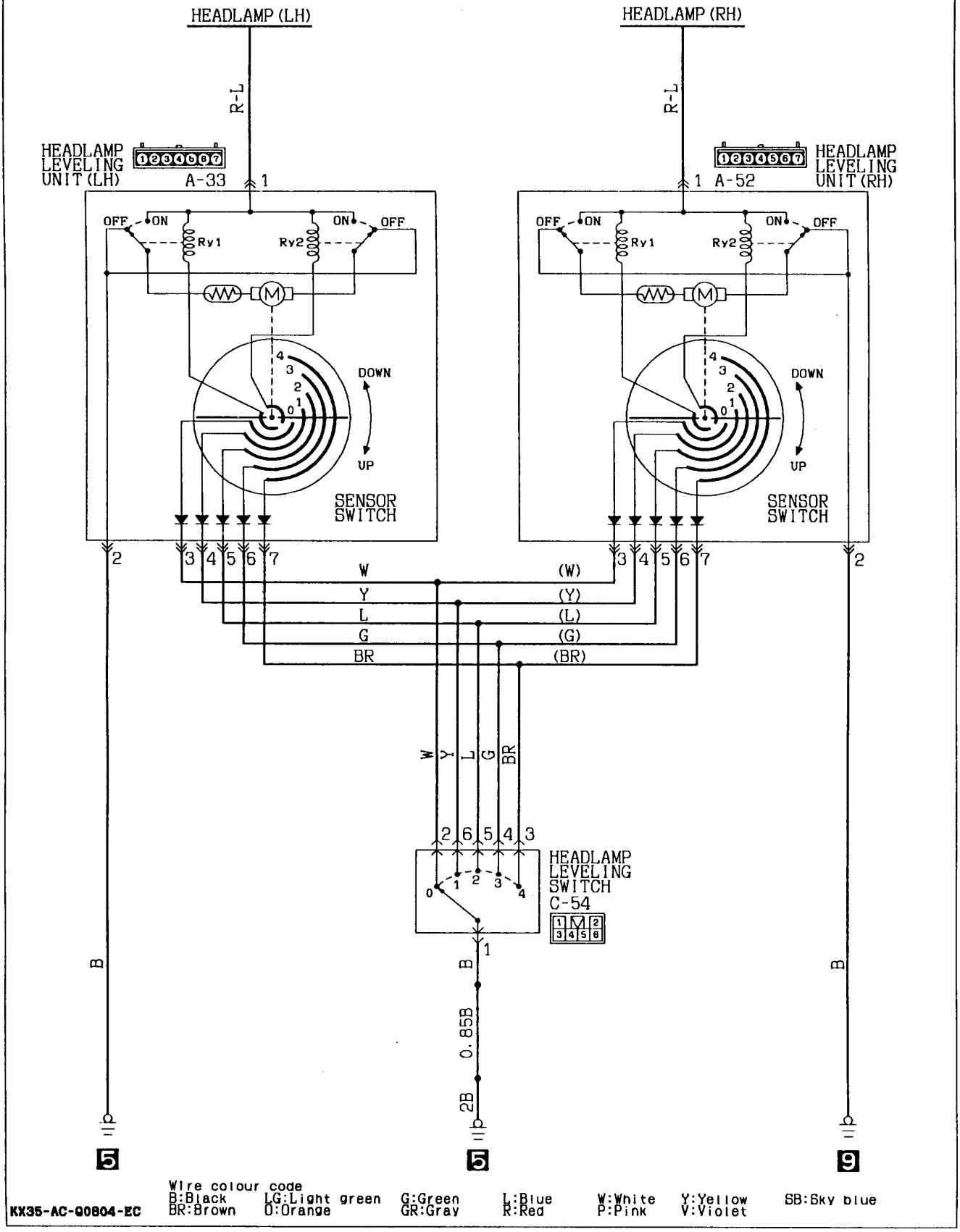
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9 HEADLAMP LEVELING SYSTEM

9-1 L.H. drive vehicles



Wire colour code

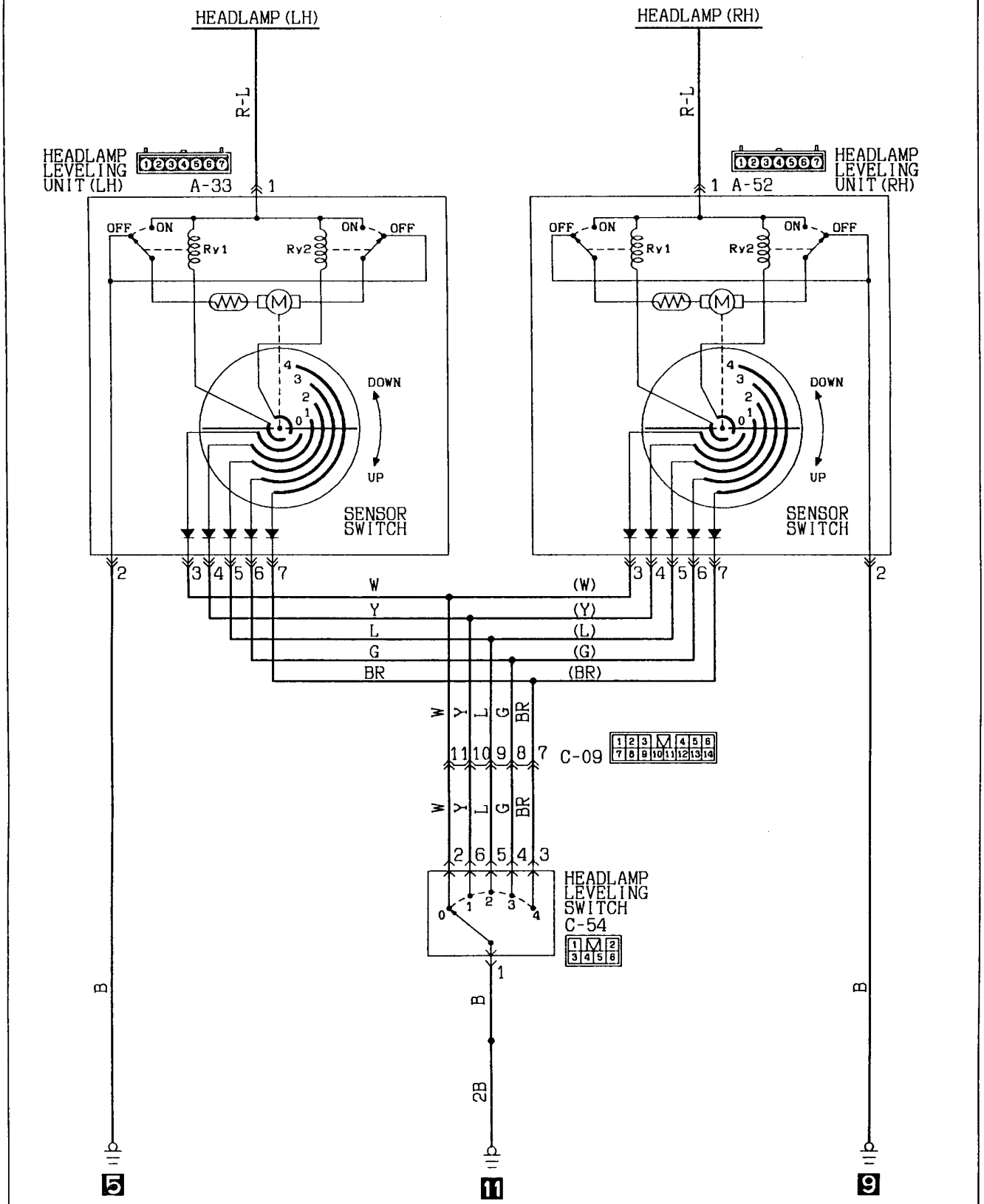
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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9-2 R.H. drive vehicles



Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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HEADLAMP LEVELING SYSTEM (See P. 4-54, 55.)

OPERATION

Downtilt operation

- When the headlamps are switched ON, battery voltage is applied, from the headlamp relay to the headlamp leveling unit.
- When the headlamp leveling switch setting is changed from the "0" position to the "1" position, electricity flows from Relay 2 to print base 1 to the headlamp leveling switch and to earth; the Relay 2 contacts are thus switched ON and the motor is activated. As a result, the headlamp leveling unit's shaft is pushed outward, the reflector tilts downward, and the optical axis of the headlamps is tilted in the downward direction.
- At the same time, the contacts of the sensor switch, which are interlocked with the movement of the motor, also turn in the "DOWN" direction, and, at the position where there is no longer contact of print base 1 and the brush contact, Relay 2 is switched OFF and the motor stops.
- In the same way as described above, when the headlamp leveling switch setting is changed from the "1" position to the "2" position and further to the "3" position and the "4" position, the motor continues to rotate so that the headlamp leveling unit's shaft is pushed outward, tilting the reflector further downward; the optical axis of the headlamps is at the maximum downward tilt at the "4" position of the headlamp leveling switch.

Return operation

- When the setting of the headlamp leveling switch is changed from the "4" position to the "3" position, electricity flows from Relay 1 to print base 3 to the headlamp leveling switch and to earth; the Relay 1 contacts are thus switched ON, and the motor rotates in the direction opposite to that for downtilt.
  As a result, the headlamp leveling unit's shaft is drawn inward, the tilt of the reflector is reduced, and the optical axis of the headlamps is changed in the upward direction.
- At the same time, the contacts of the sensor switch turn in the "UP" direction, and, at the position where there is no longer contact of print base 3 and the brush contact, Relay 1 is switched OFF and the motor stops.
- When the setting of the headlamp leveling switch is further changed from the "3" position to the "2" position and to the "1" position, the motor continues to rotate, and the optical axis of the headlamps returns to the minimum tilt position at the "0" setting of the switch.
- In order to prevent overheat damage to the motor as a result of frequent operation of the headlamp leveling system, a thermistor is provided in the circuitry within the headlamp leveling unit.

TROUBLESHOOTING HINTS

1. No operation of the headlamp leveling system.
   - Check the headlamp leveling switch.
   - Check the headlamp leveling unit.
2. Either the left or right part of the headlamp leveling system does not operate.
   - Check the headlamp leveling unit for the side that does not operate.
3. Either the downtilt operation or the return operation does not function.
   - Check the headlamp leveling unit.

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TAIL LAMP, CLEARANCE LAMP AND LICENSE PLATE LAMP (See P. 4-58.)

OPERATION

- Placing the lighting switch in the TAIL or HEAD position causes the tail lamp relay to be energized.
- As a result, current flows by way of dedicated fuse No. ⑤ and No. ⑥ to each lamp, causing the lamp to come on.

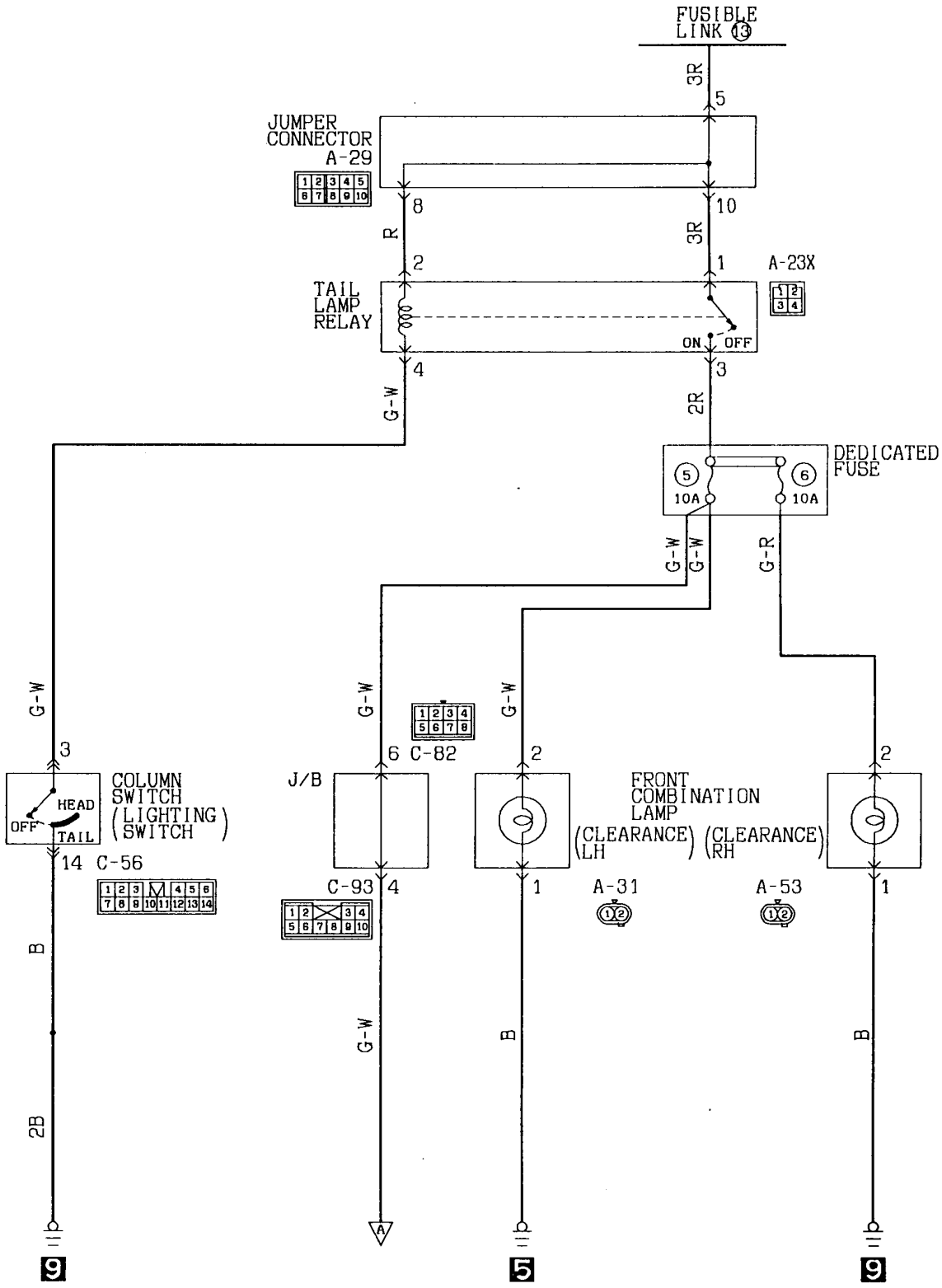
TROUBLESHOOTING HINTS

1. No lamp come on.
   1) Headlamps do not come on, either.
      - Check fusible link No. ⑬.
   2) Headlamps do come on.
      - Check tail lamp relay.
      - Check dedicated fuse No. ⑤ and No. ⑥.

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10 TAIL LAMP, CLEARANCE LAMP, LICENSE PLATE LAMP



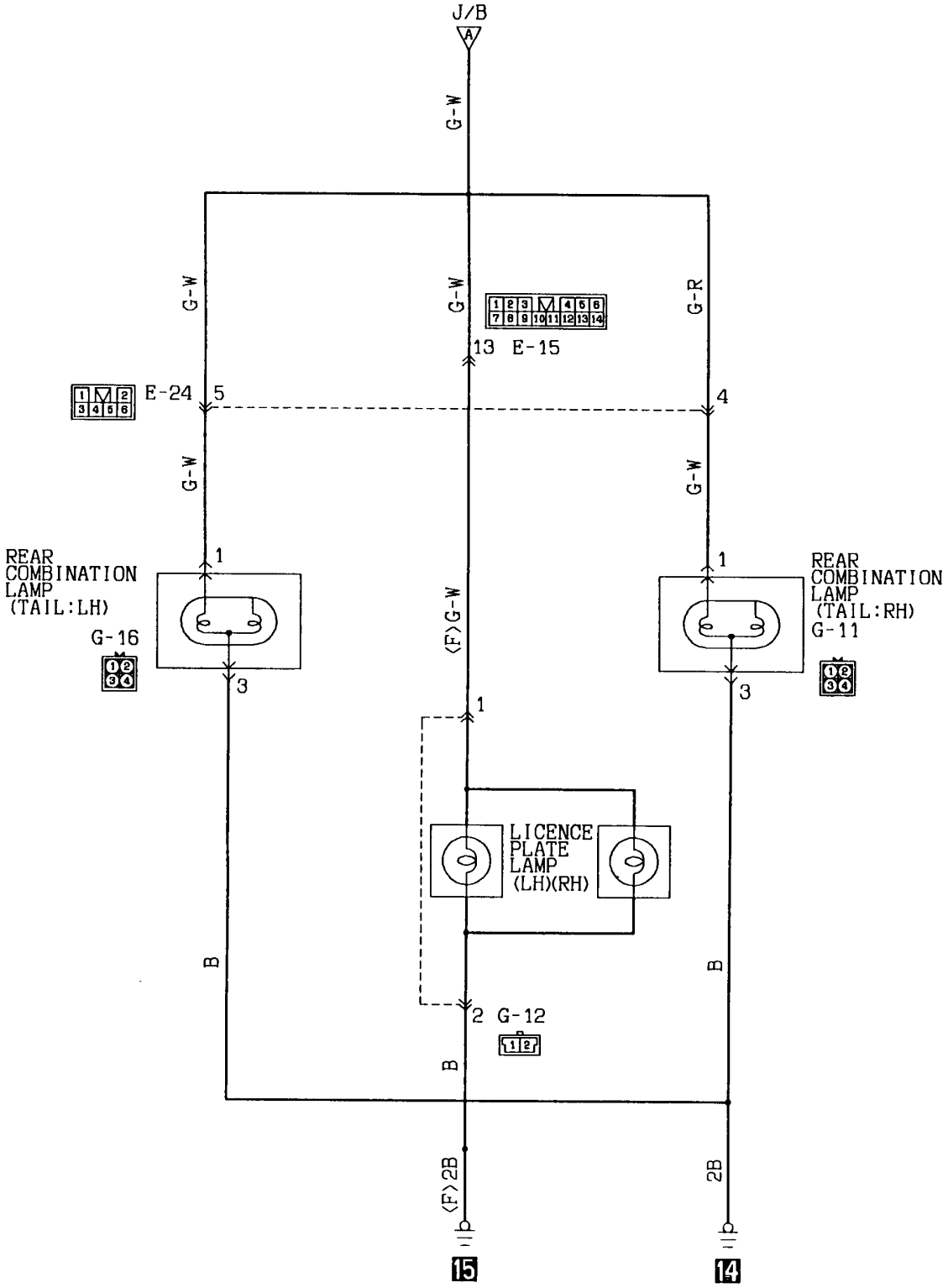
Wire colour code

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

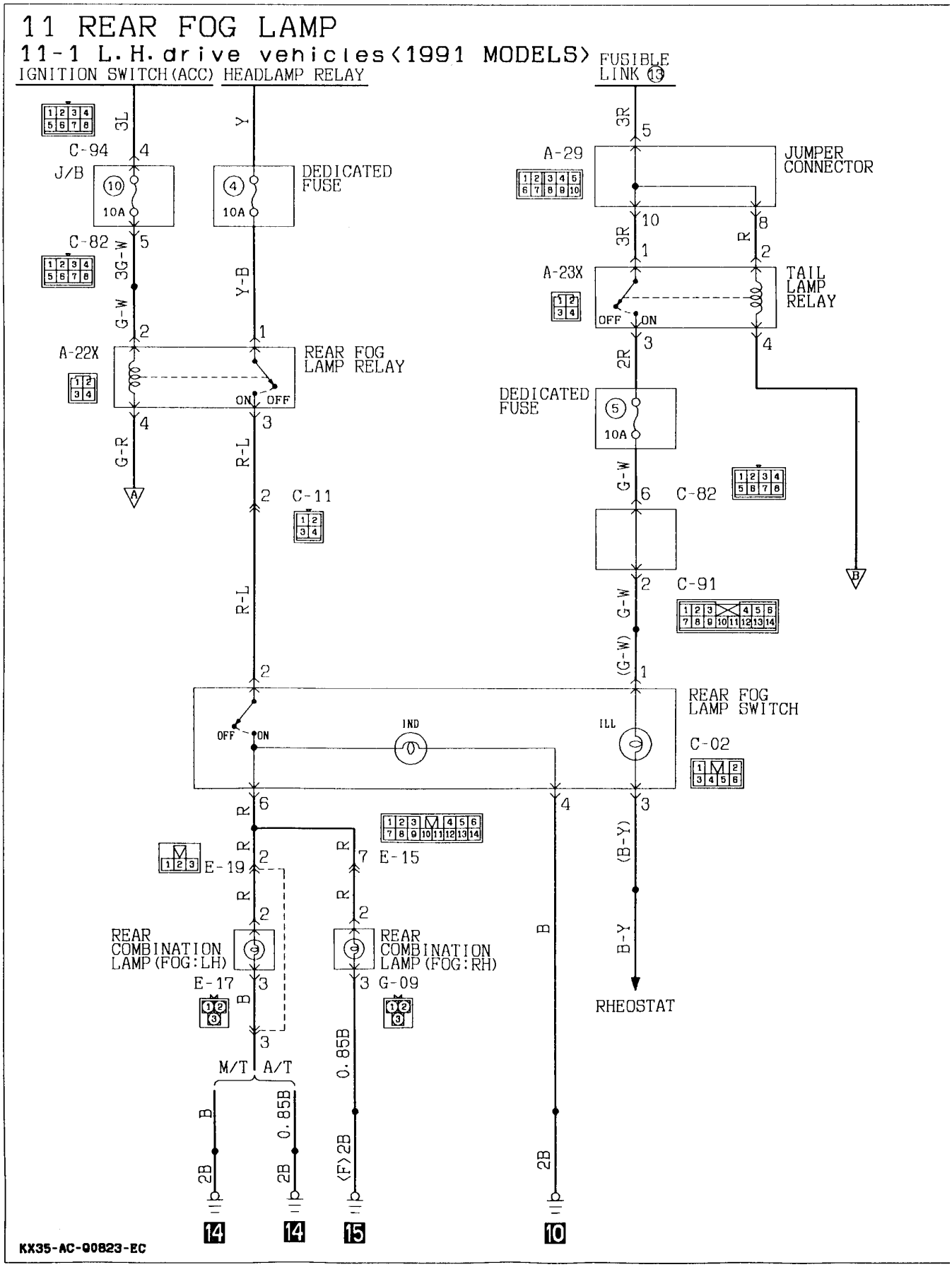
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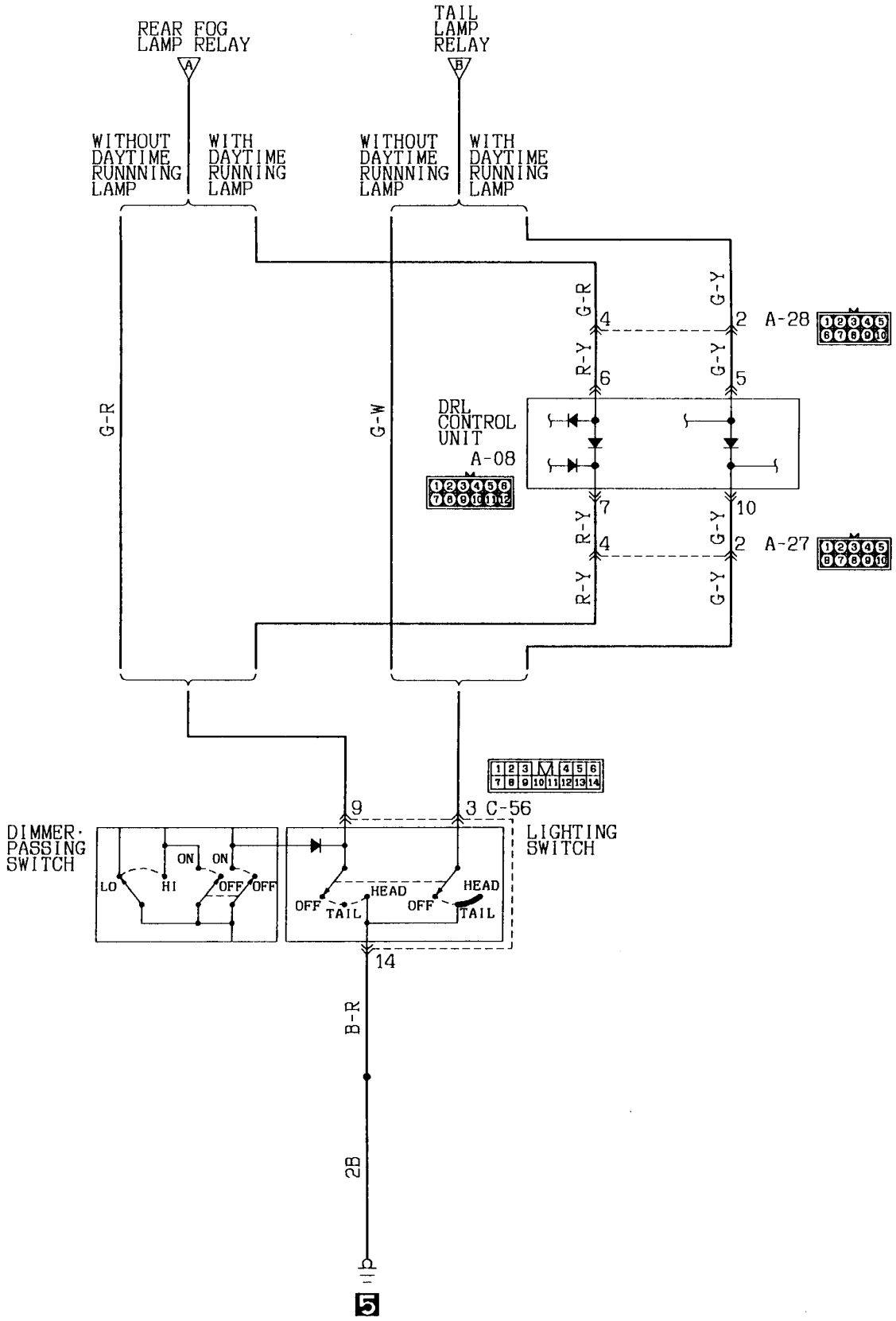


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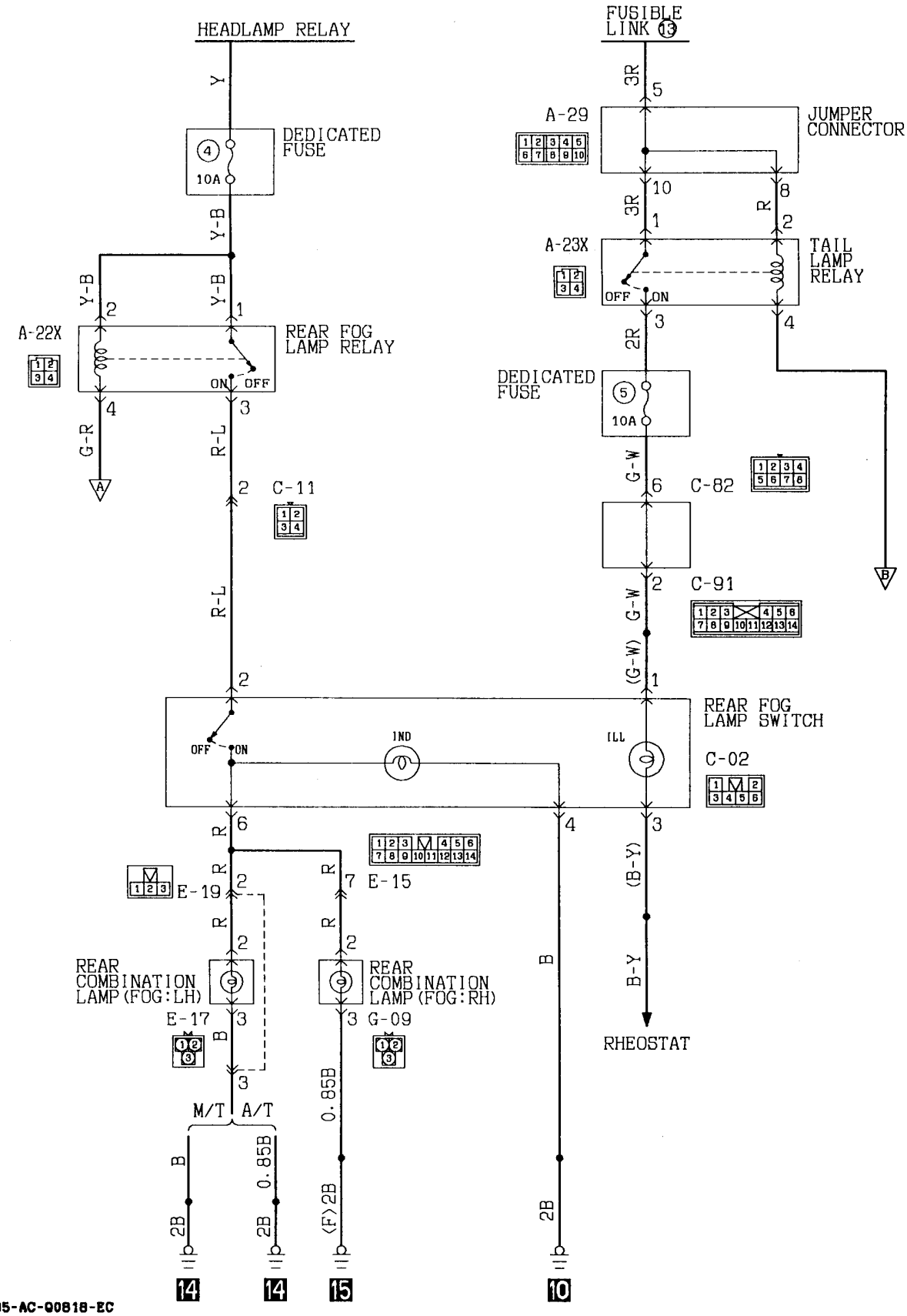
Wire colour code

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

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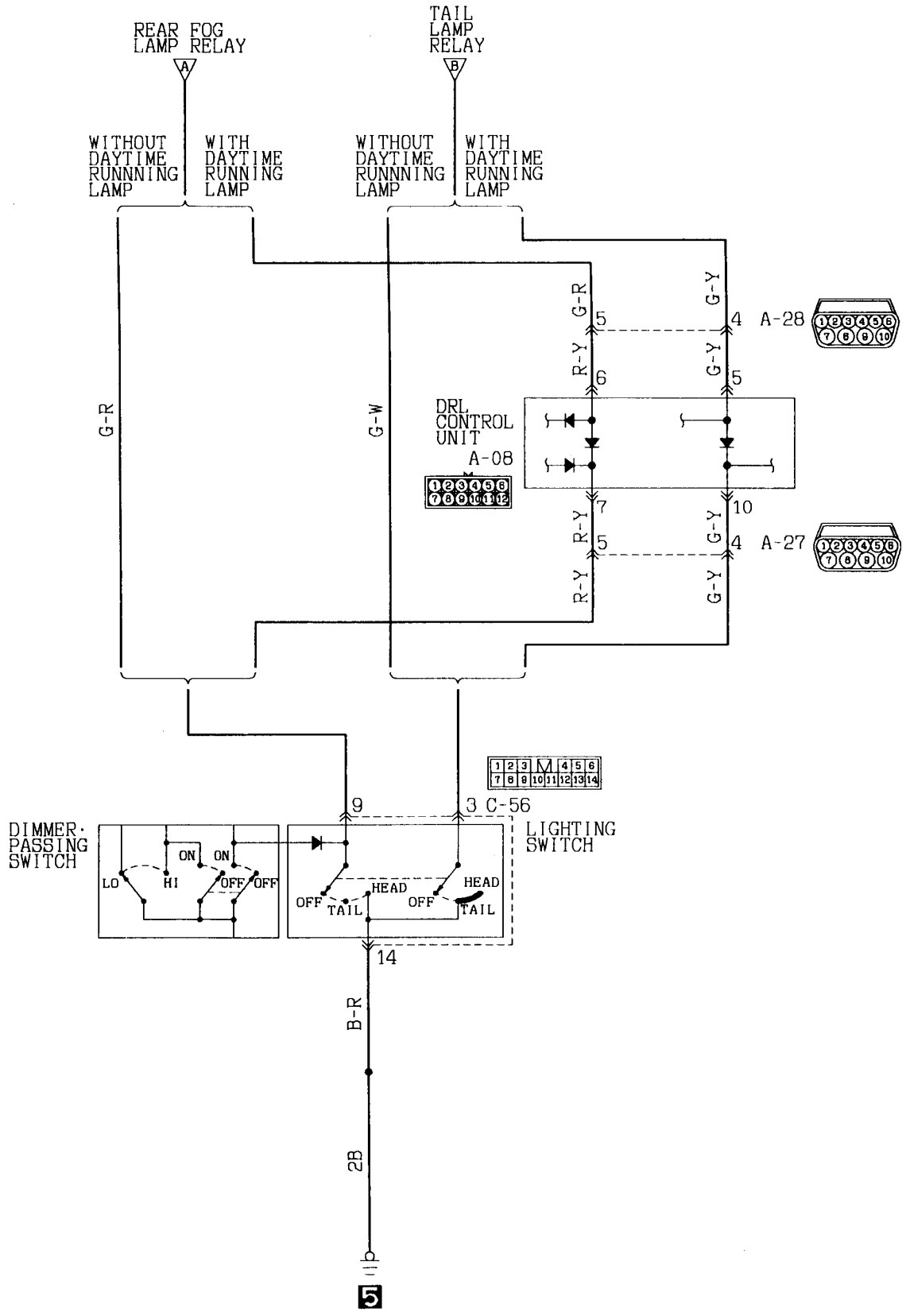
11-1 L.H.drive vehicles〈1993 MODELS〉



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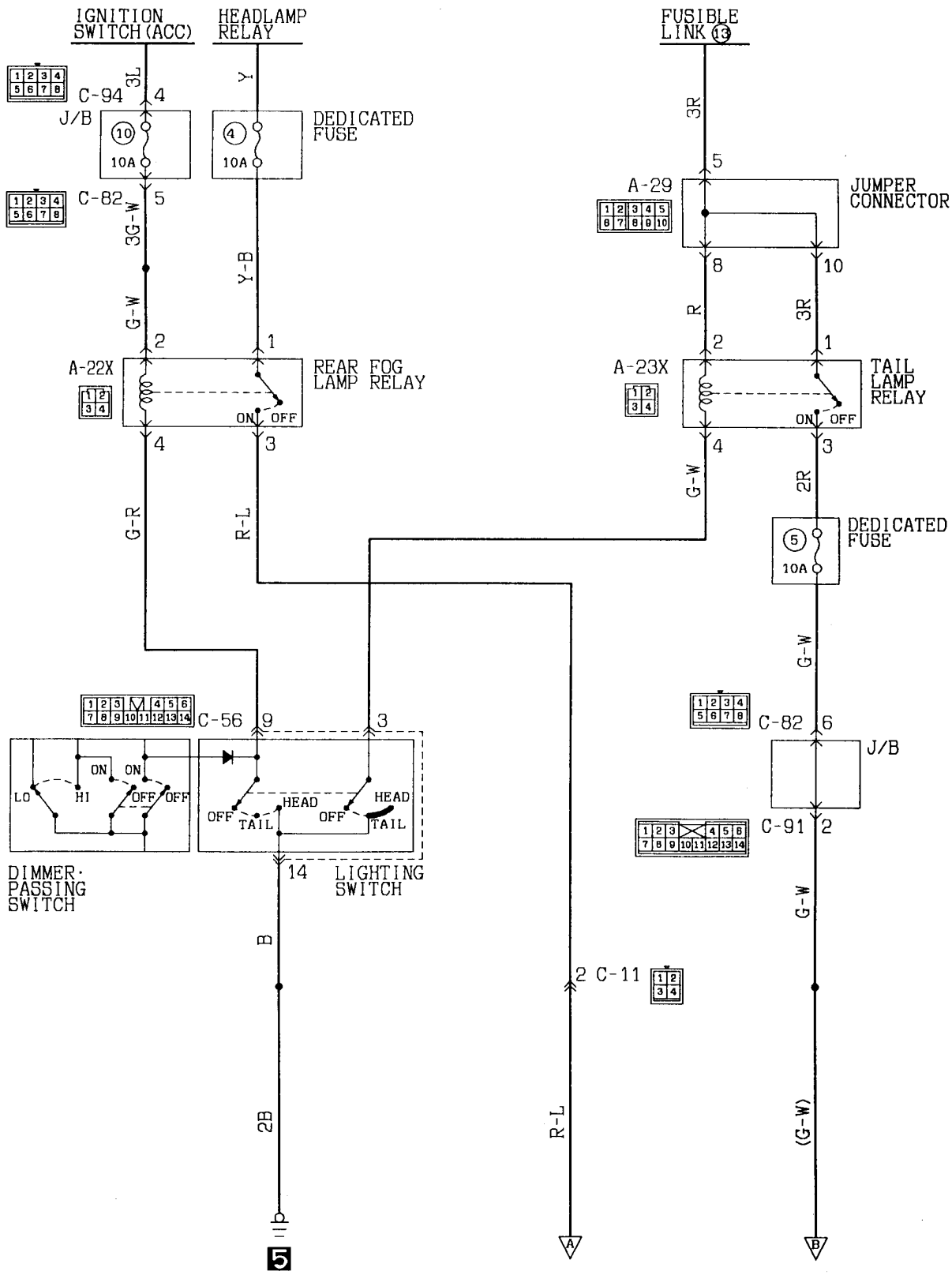


Wire colour code

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

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11-2 R.H. drive vehicles<1991 MODELS>

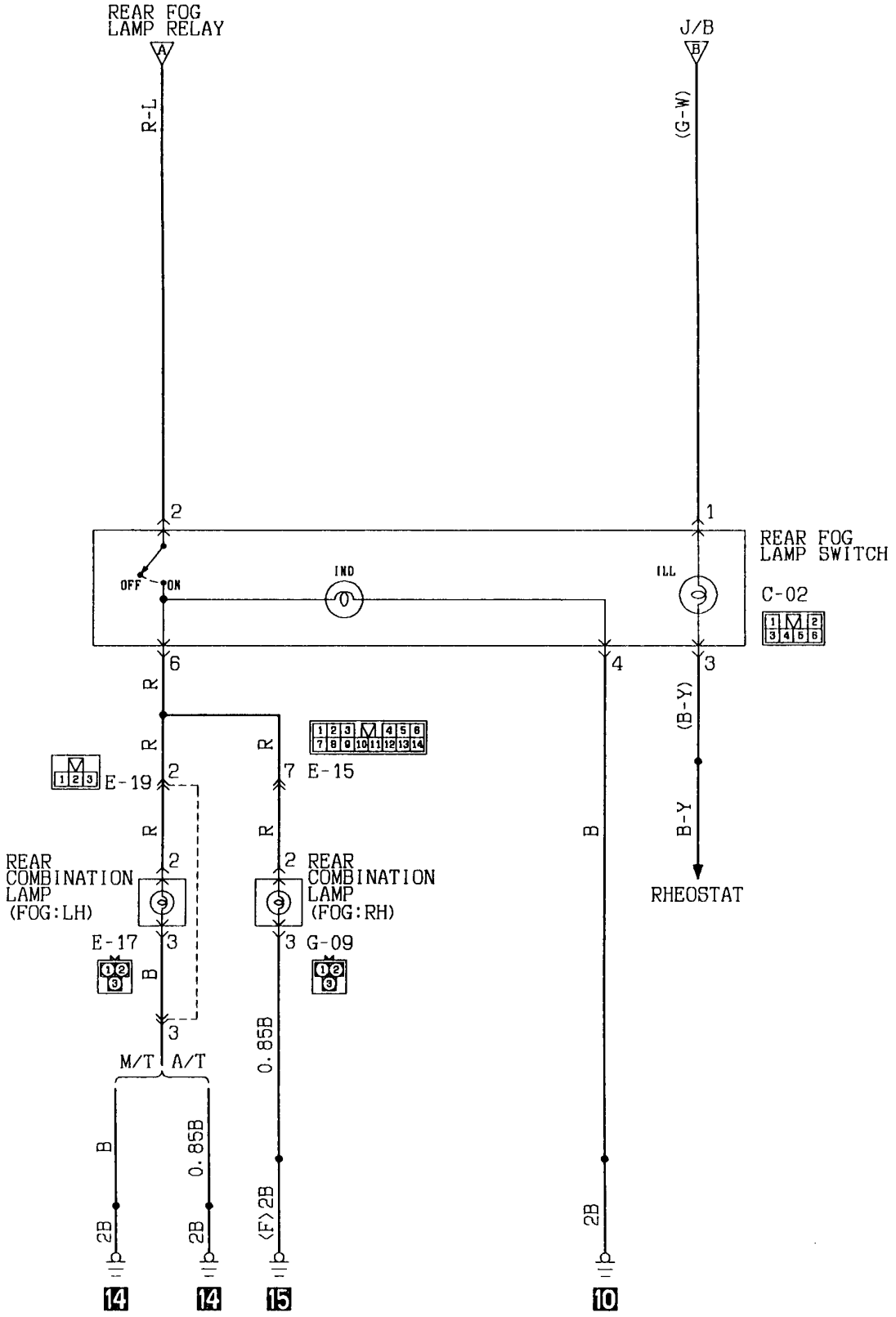


Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-00824-EC

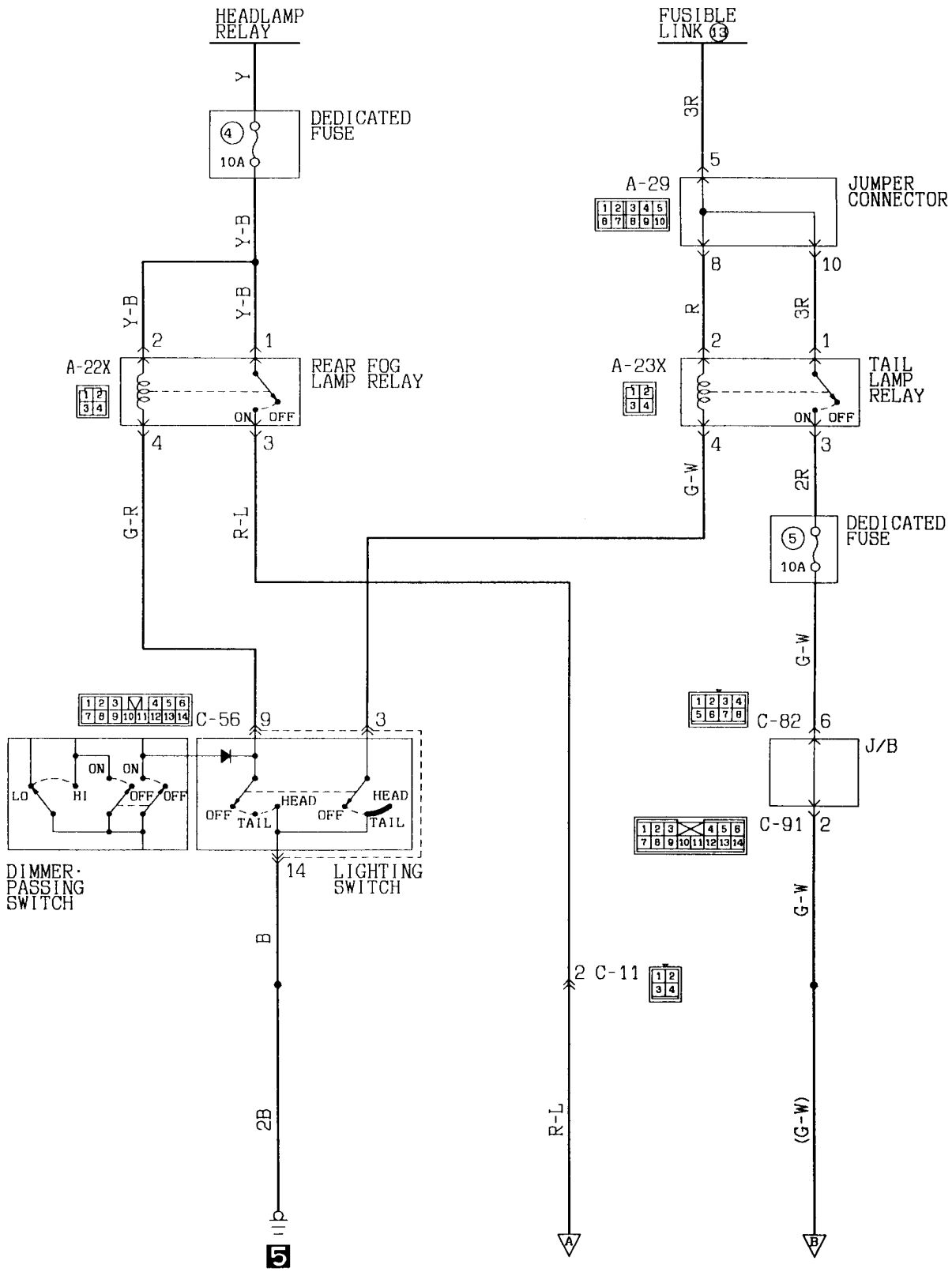
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11-2 R.H. drive vehicles<1993 MODELS>



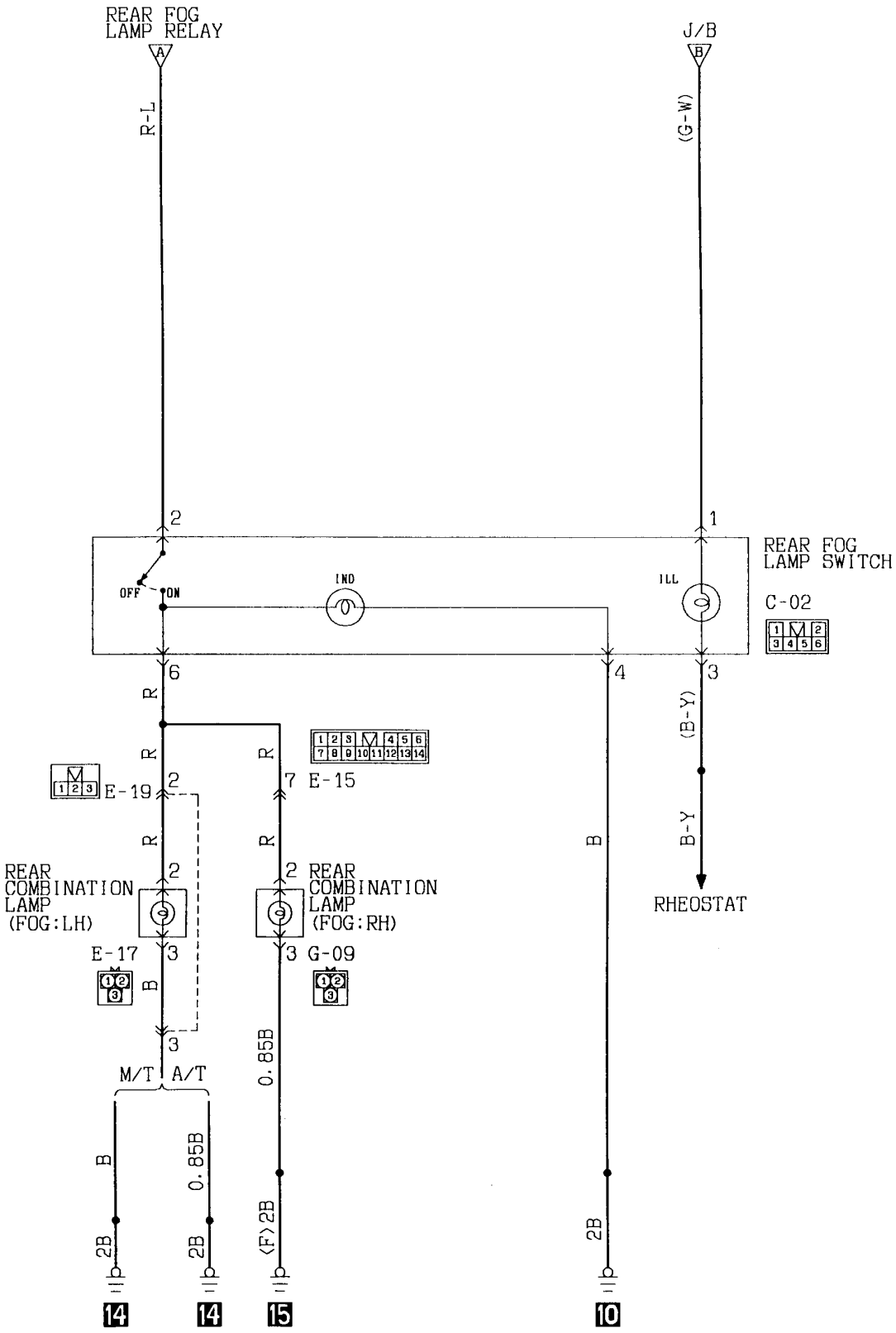
Wire colour code

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

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REAR FOG LAMP (See P. 4-60, 62.)

OPERATION

- Placing the lighting switch in the HEAD position causes the rear fog lamp relay to be energized.
- When the rear fog lamp switch is turned ON in this condition, the rear fog lamp comes on.

TROUBLESHOOTING HINTS

1. The rear fog lamp doesn't illuminate.
   1) Headlamps come on.
      - Check the rear fog lamp relay.
      - Check the rear fog lamp switch.
      - Check the dedicated fuse No. ④.
   2) Headlamps do not come on, either.
      - Check the headlamp relay.
      - Check the lighting switch.
      - Check the fusible link No. ⑬.
2. The rear fog lamp at the one side doesn't illuminate.
   - Check the bulb.

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ROOM LAMP (See P. 4-66, 67, 68, 69.)

OPERATION

- Placing the room lamp switch in the ON position causes the room lamp to come on at all times.
- Opening any one of the doors with the room lamp switch in the DOOR position causes the room lamp to come on.
- Closing all doors causes the room lamp to go out.

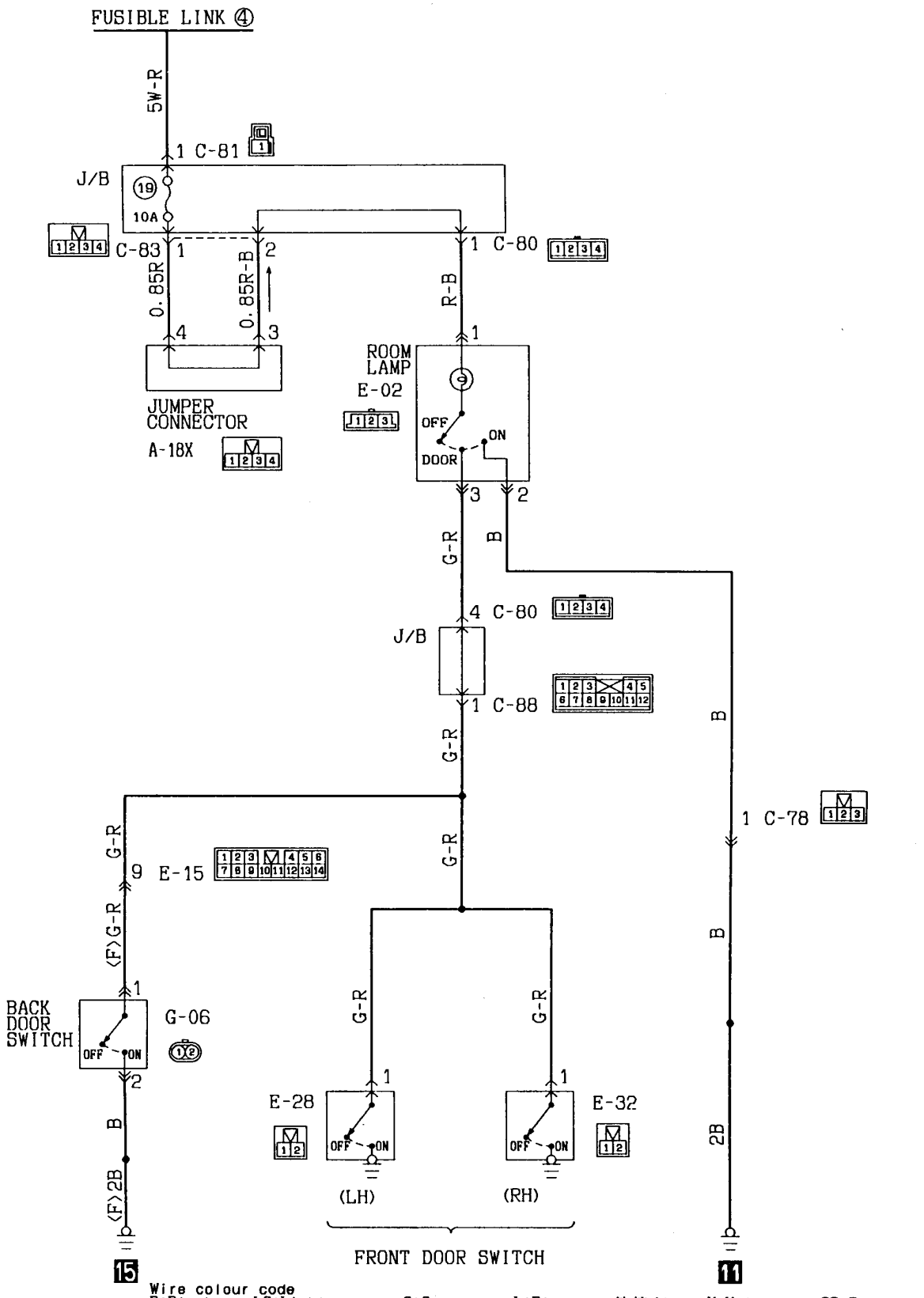
TROUBLESHOOTING HINTS

1. Room lamp does not come on.
   1) Clock is not operating, either.
      - Check multi-purpose fuse No. ⑲.
   2) Room lamp does not come on when any door is opened with the room lamp switch in the DOOR position.
      - Check bulb.
      - Check room lamp switch.
   3) Room lamp does not come on when a door is opened with the room lamp switch in the DOOR position.
      - Check door switch (of the suspected door).

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12 ROOM LAMP

12-1 Canvas top



Wire colour code

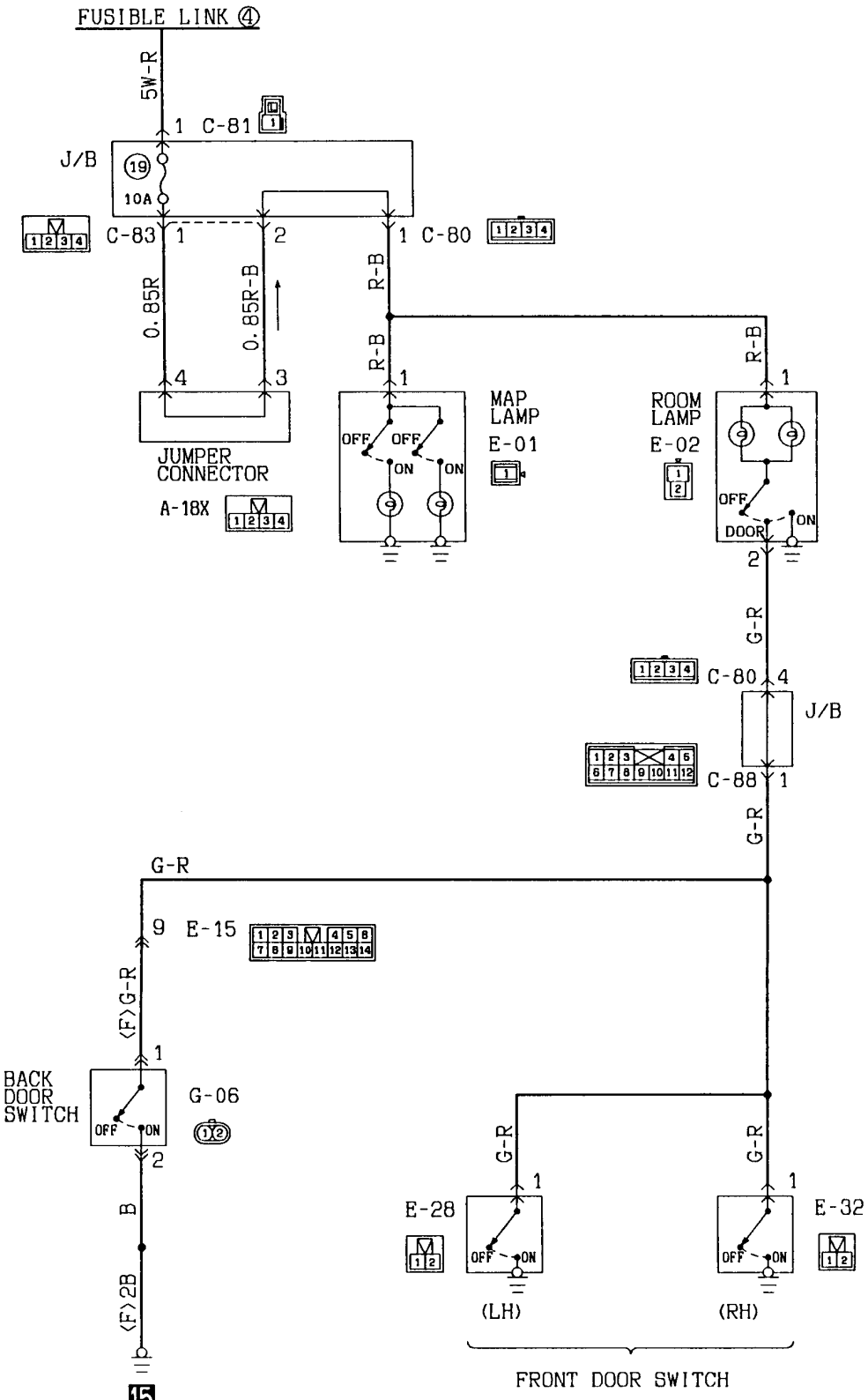
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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12-2 2-door models without sunroof



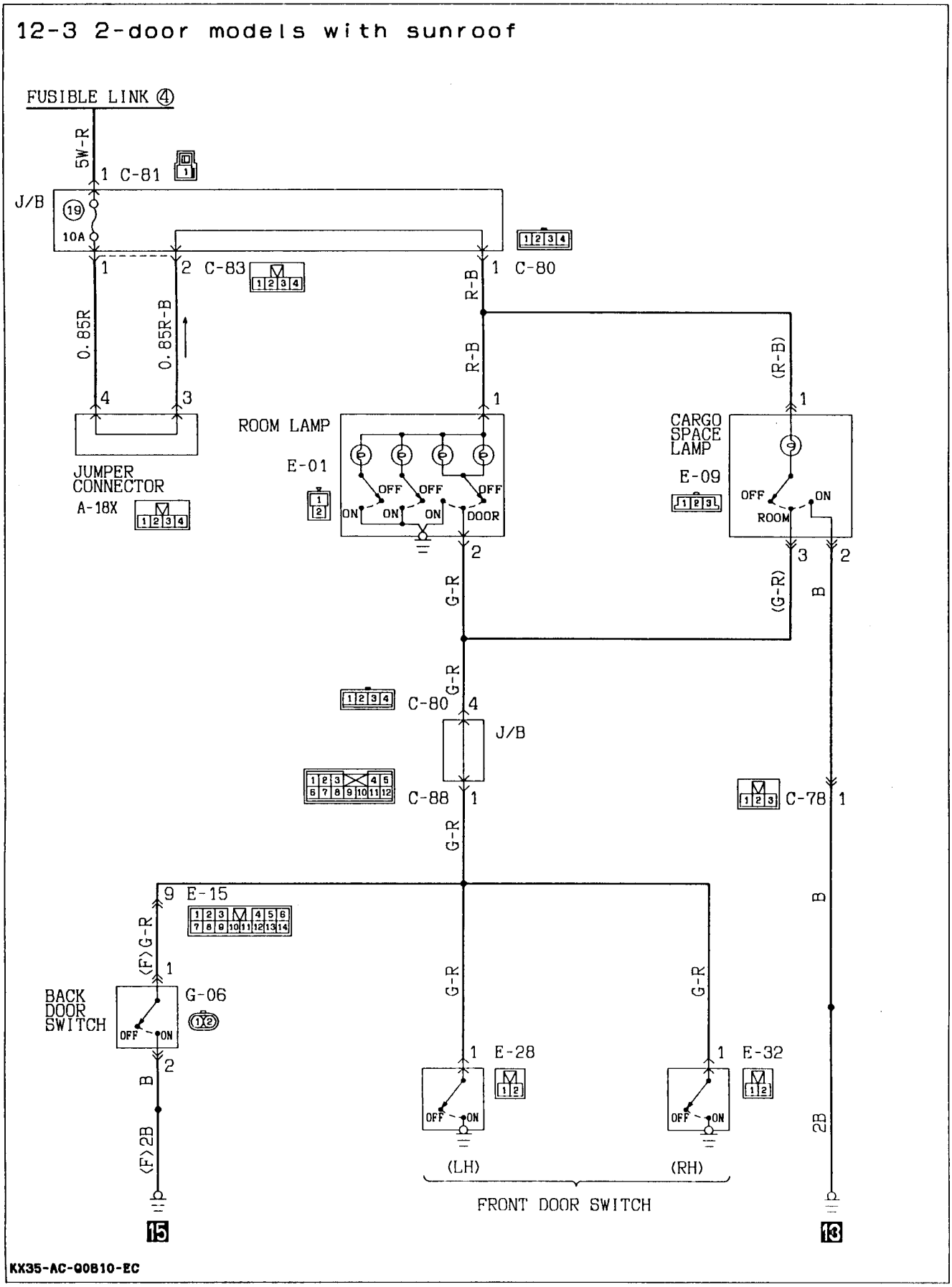
Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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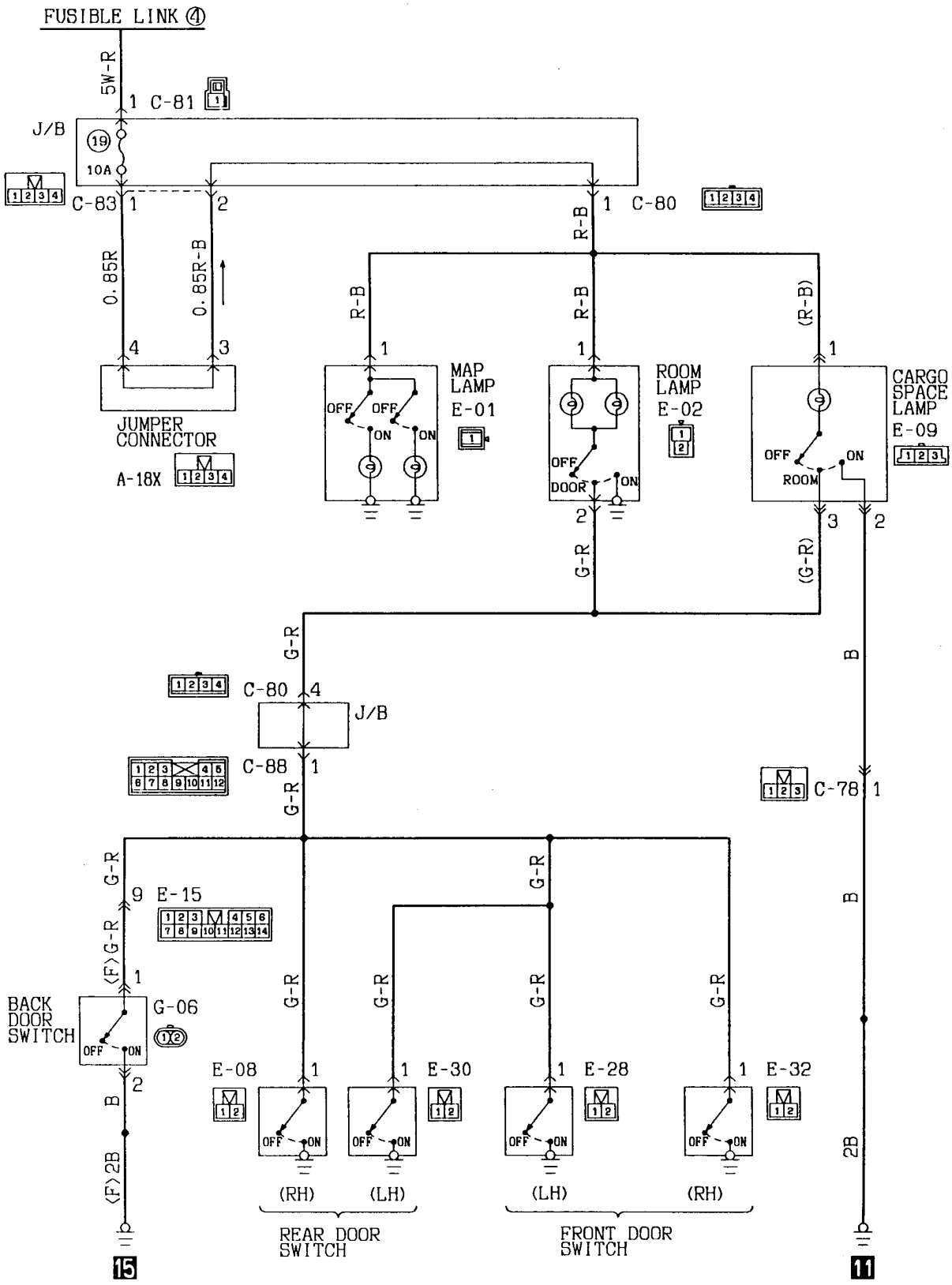
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12-4 4-door models

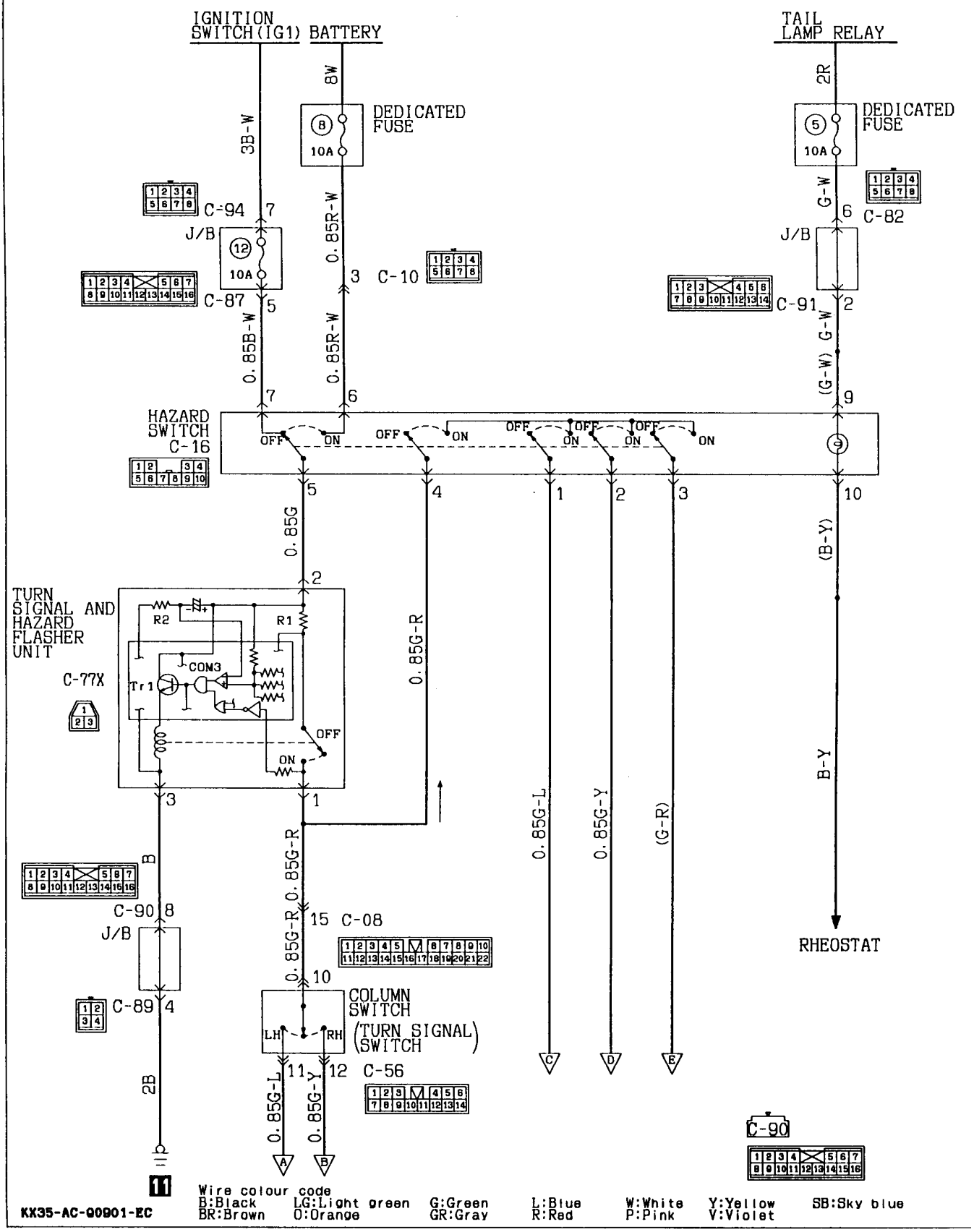


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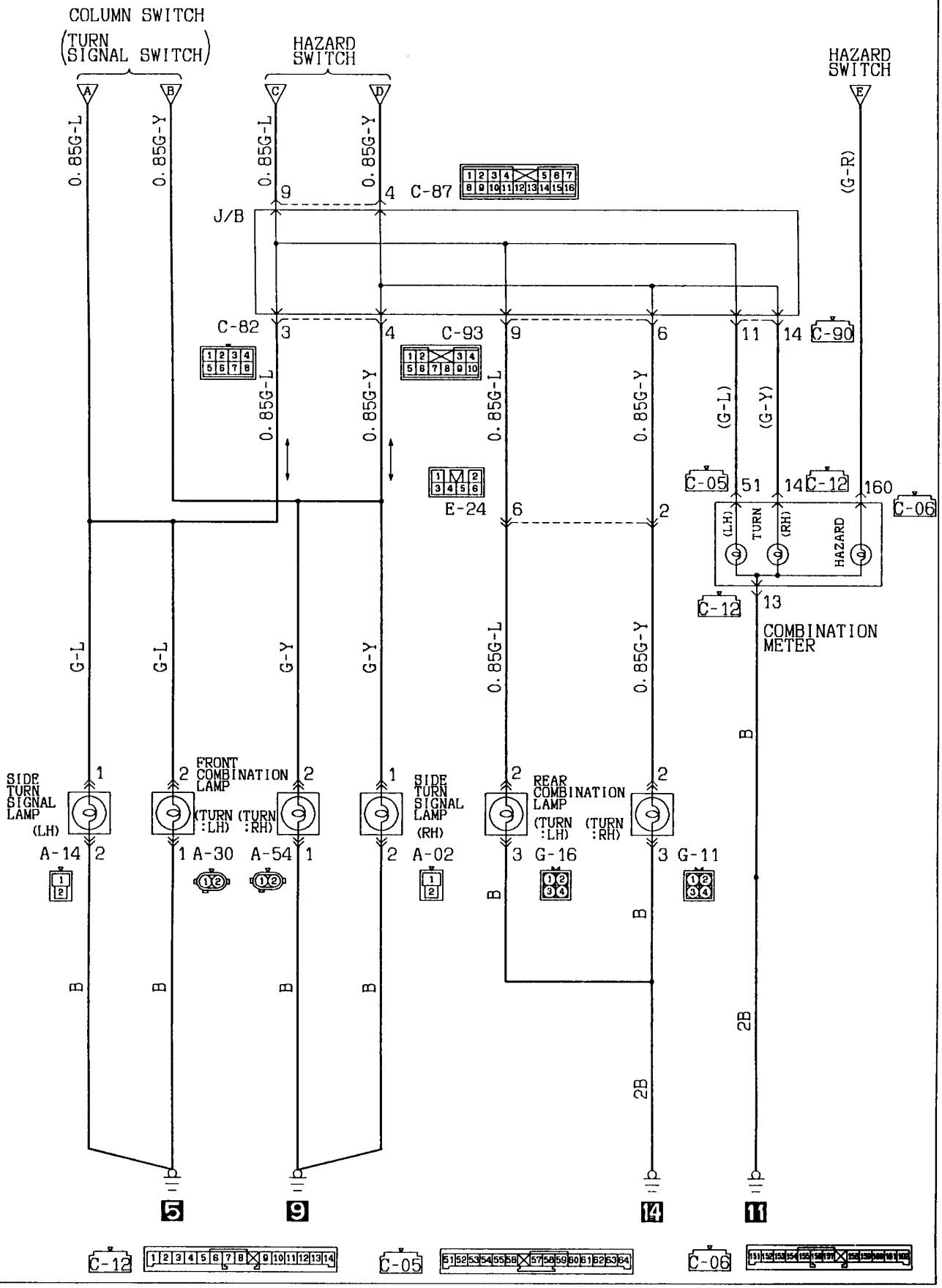
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13 TURN-SIGNAL LAMP AND HAZARD LAMP



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TURN-SIGNAL LAMP AND HAZARD LAMP (See P. 4-70.)

OPERATION

〈Turn-signal lamp〉

1. In normal operating condition

- When the ignition switch is placed in the ON position, battery voltage is applied through the hazard switch to the turn-signal and hazard flasher unit.
- When the turn-signal switch is placed in the LH (or RH) position, Tr_1 in the flasher unit turns ON, causing the relay contacts in the flasher unit to close. This results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp lighting up.
- At the same time, the capacitor is charged through R^2 up to the lower limit as set by COM3.
- As soon as the capacitor is fully charged, the output from COM3 is inverted, turning OFF Tr_1. This opens the relay contacts and , as a result, the LH (or RH) turn-signal lamp and turns-signal indicator lamp go out.
- At the same time when Tr_1 turns OFF, the capacitor starts discharging. As soon as the capacitor completes discharging, the COM3 output is inverted again causing Tr_1 to turn ON. This results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp coming on.
- These sequences of operation repeat, which results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp flashing off and on.

2. When one bulb is burnt

- When either one of the turn-signal lamp bulbs goes out, it causes the resistance of the entire lamp circuit to increase; hence a smaller voltage drop at R1 in the flasher unit.
- This smaller voltage drop is sensed and the lower voltage limit set by COM3 is raised, thus shortening the time required by the capacitor before it is fully charged.
- As a result, the on-off cycle of Tr_1 becomes shorter with the resultant greater number of times the lamp flashes on and off.

〈Hazard lamp〉

- When the hazard switch is placed in the ON position, the flasher unit relay contacts repeatedly close and open, which results in the RH and LH turn-signal lamps, turn-signal indicator lamps, and hazard warning indicator lamps flashing on and off at the same time.

Remark

- The number of times the hazard lamps flash on and off does not change even when one bulb is out.

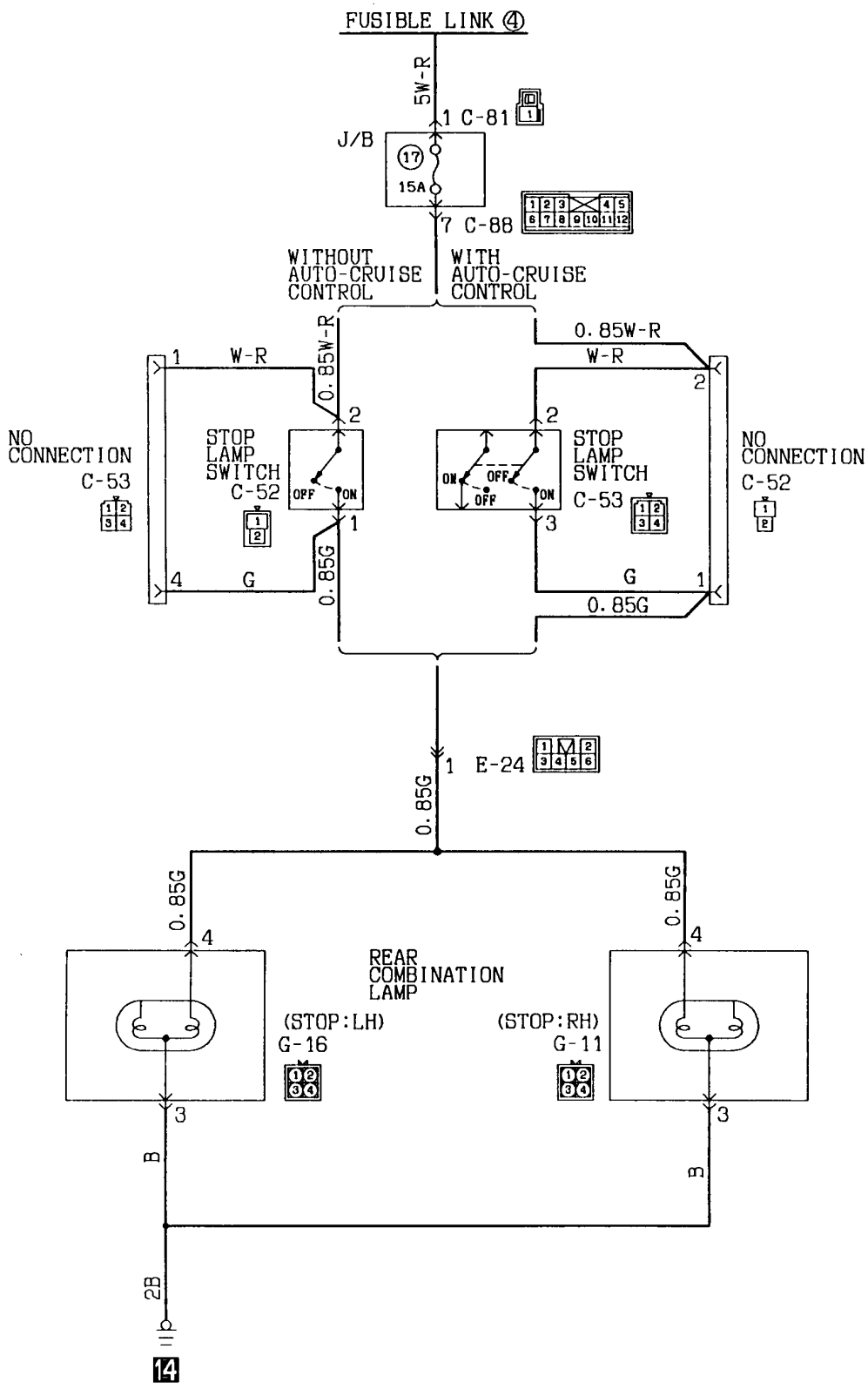
TROUBLESHOOTING HINTS

1. Neither the turn-signal lamps nor hazard lamps operate.
   - Check hazard switch contacts (on power source end).
   - Check flasher unit.
2. All LH or RH turn-signal lamps do not operate.
   1) Hazard lamp is fully operational.
      - Check hazard switch contacts (on turn-signal end).
      - Check turn-signal switch.
3. Flashing cycle of turn signal lamps is shorter.
   - Check bulb.
4. Hazard lamp does not operate.
   1) Turn-signal lamps are operational.
      - Check hazard switch contacts (on hazard lamp end).

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14 STOP LAMP



Wire colour code

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

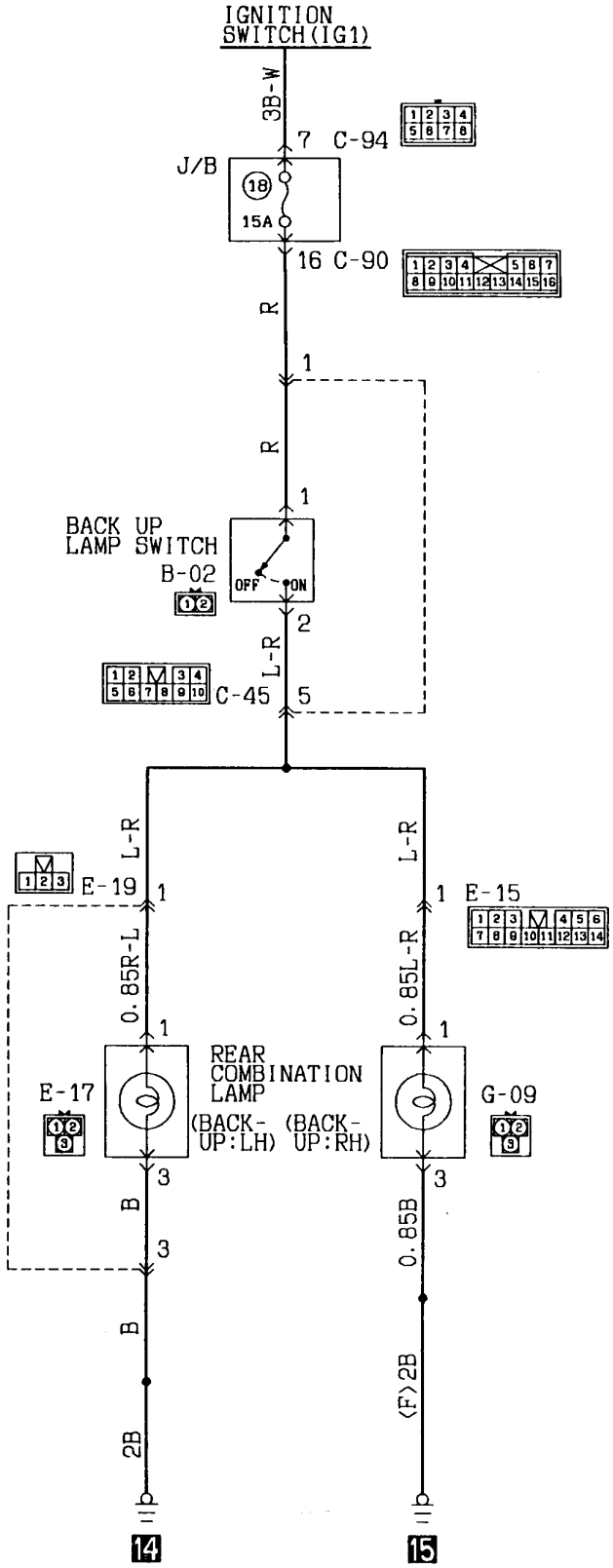
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15 BACK-UP LAMP

15-1 M/T



Wire colour code

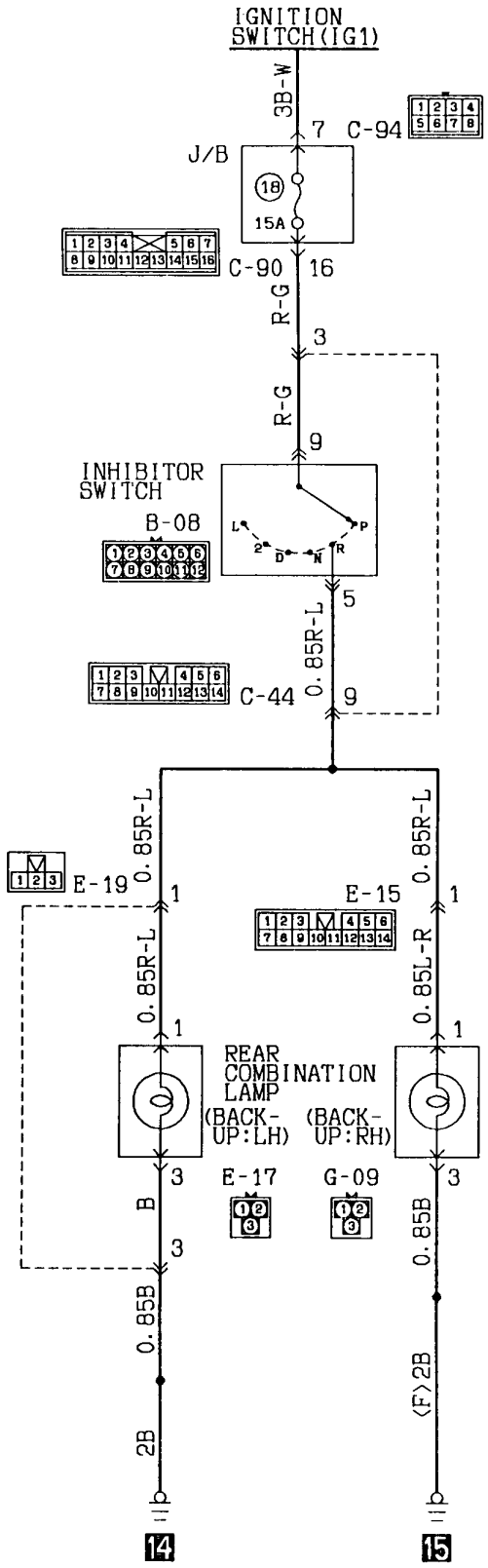
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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15-2 A/T



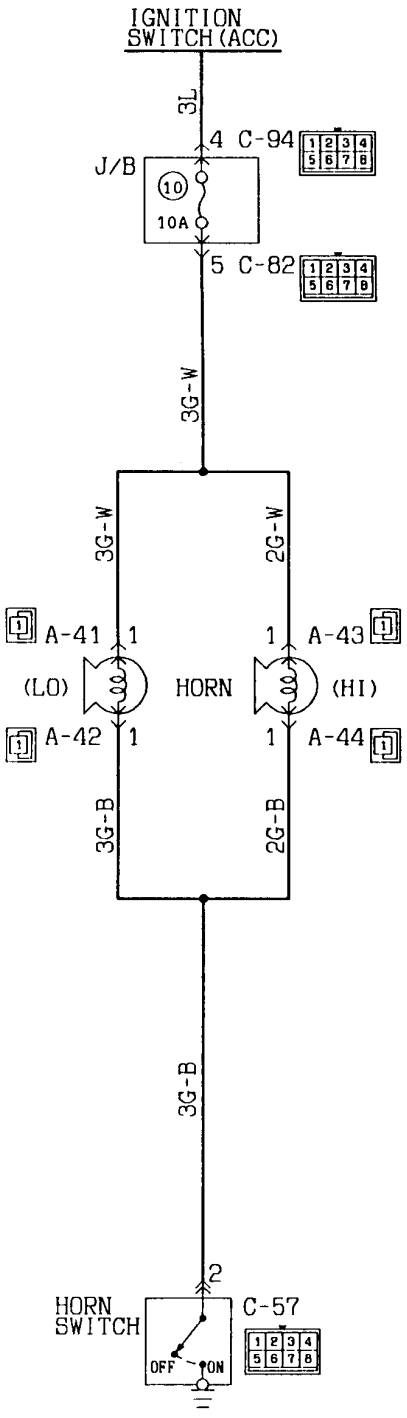
Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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16 HORN



Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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METER AND GAUGE (See P. 4-78, 80.)

OPERATION

〈Fuel gauge〉

- When the ignition switch is at the "ON" position, the fuel gauge is activated.
- When there is much fuel, the unit's resistance is small and the current flowing in the circuit is great, so the gauge's indicator indicates in the "F" area.
- When there is little fuel, the unit's resistance is high and the current flowing in the circuit is small, so the gauge's indicator indicates in the "E" area.

〈Engine coolant temperature gauge〉

- When the ignition switch is at the "ON" position, the engine coolant temperature gauge is activated.
- When the engine coolant temperature is high, the unit's resistance is low and there is a great, flow of current in the circuit, so the gauge's indicator indicates in the "H" area.
- When the engine coolant temperature is low, the unit's resistance is high and there is a small flow of current in the circuit, so the gauge's indicator indicates in the "C" area.

〈Reed switch〉

- This switch generates pulses according to the current vehicle speed and provides a vehicle-speed signal for the control systems using vehicle speeds as an input source (such as engine control system).

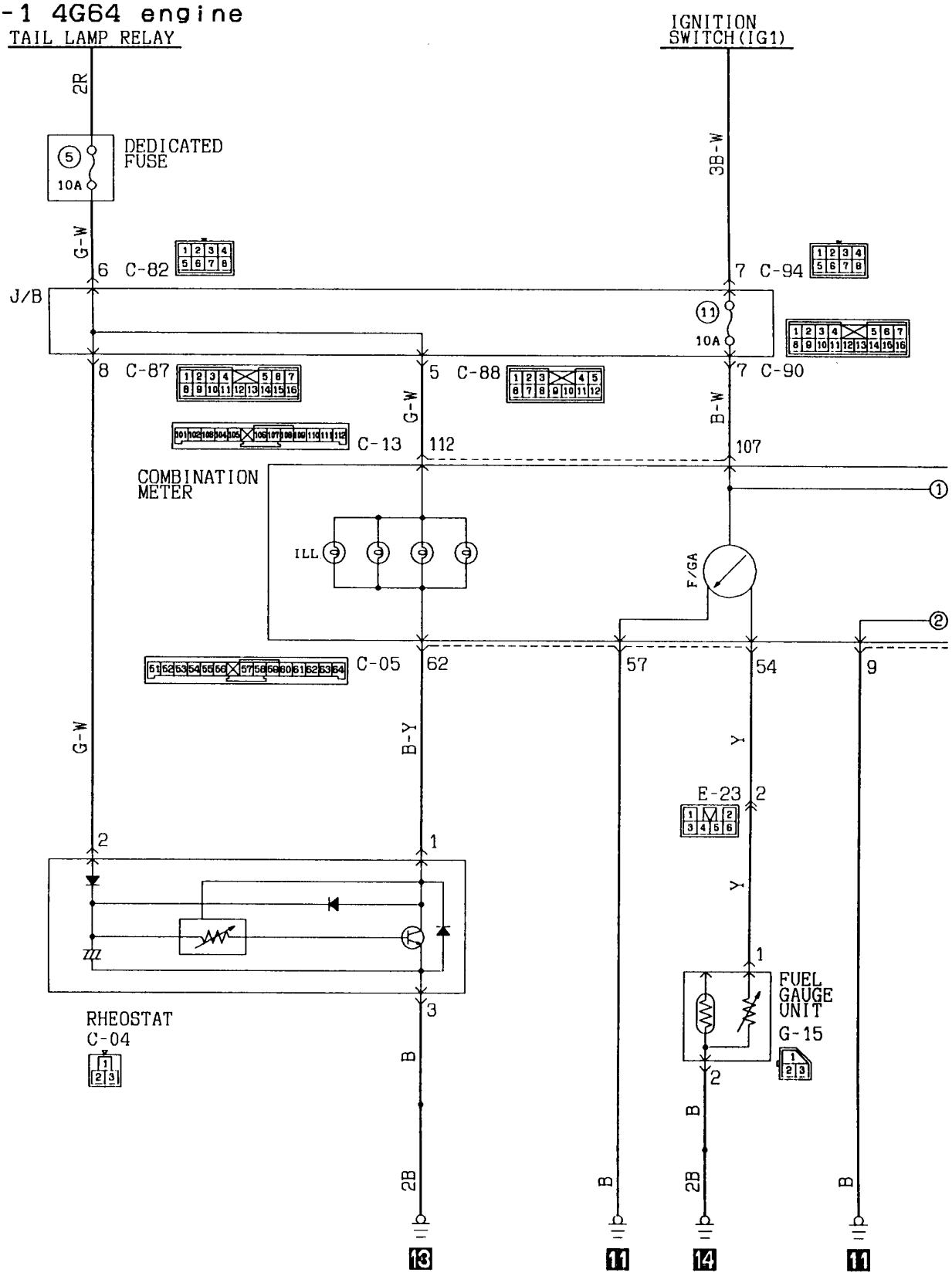
TROUBLESHOOTING HINTS

1. Fuel gauge does not operate, or registers incorrectly.
   1) The fuel gauge indicates "F" when the fuel gauge unit connector is disconnected and the "1" terminal is earthed.
      - Check fuel gauge.
2. Engine coolant temperature gauge does not operate, or registers incorrectly.
   1) When the engine coolant temperature gauge is earthed with its connector unplugged, it registers "H".
      - Check engine coolant temperature gauge unit.
3. Vehicle-speed-dependent control systems do not operate.
   - Check reed switch of speedometer.
4. Meter illumination lamp does not come on.
   1) Tail lamps do come on.
      - Check rheostat.

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17 METER AND GAUGE

17-1 4G64 engine



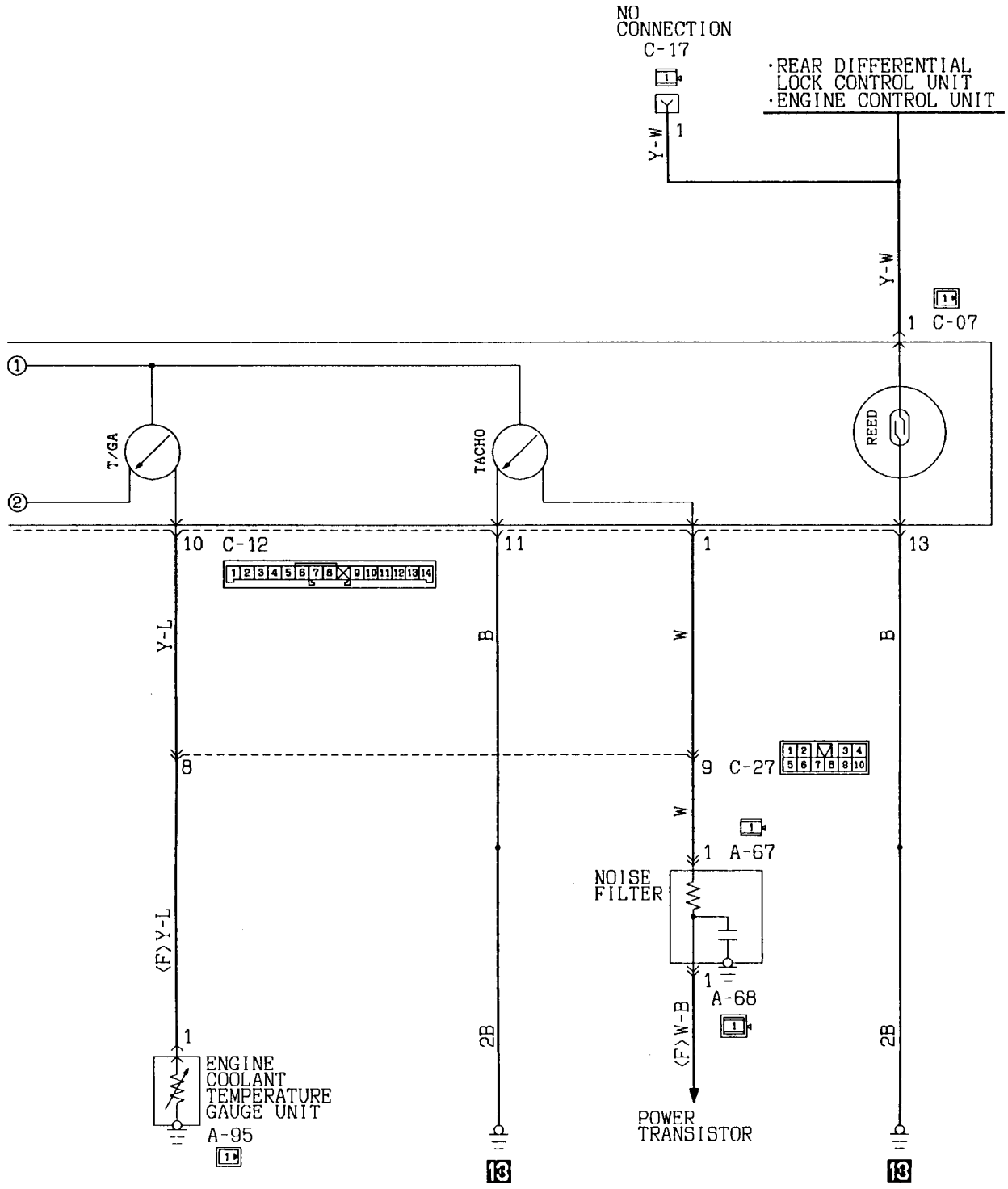
Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

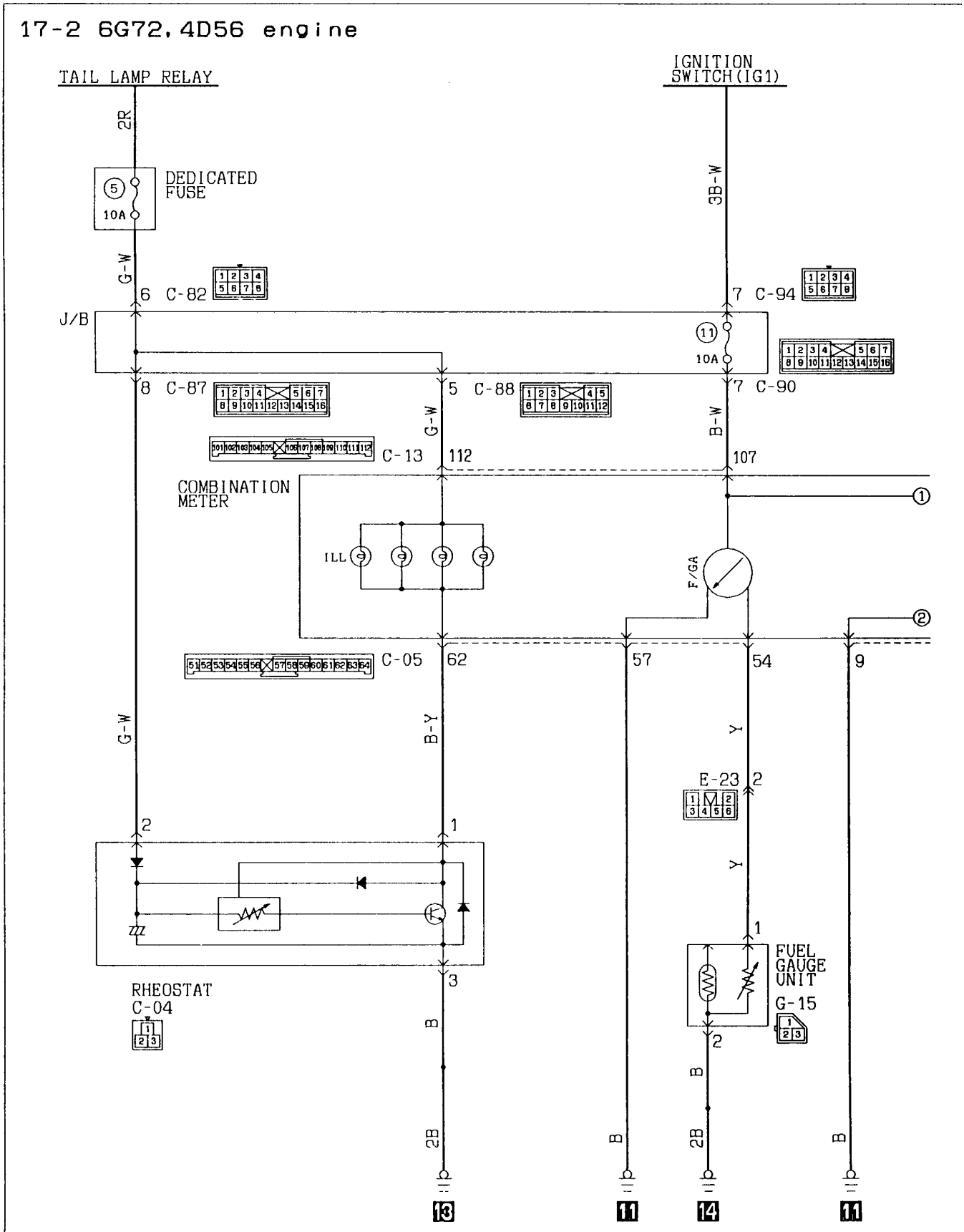
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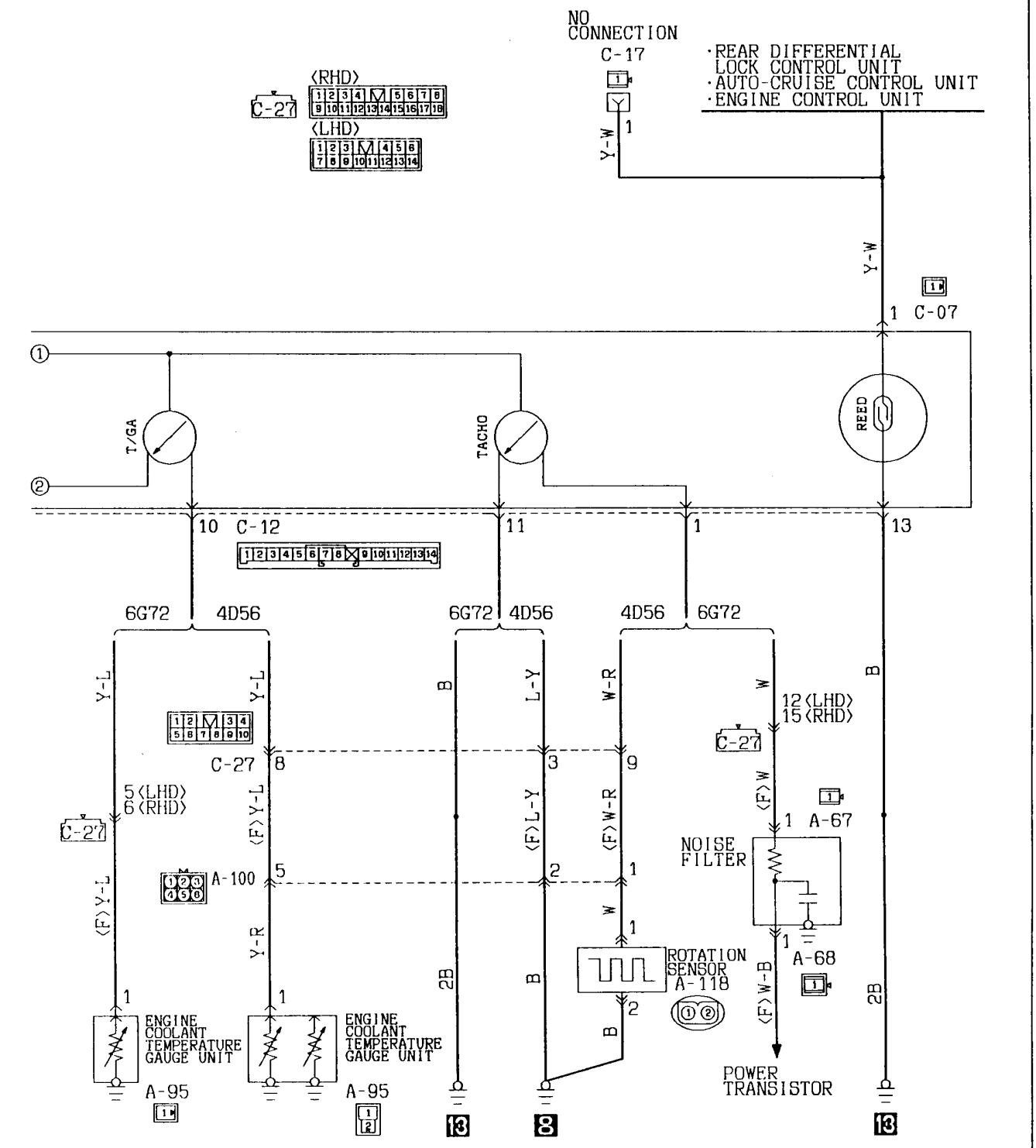


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WARNING LAMP (See P. 4-83, 86.)

OPERATION

〈Brake warning lamp〉

- When the brake fluid level goes down below a predetermined level or parking brake lever is pulled, with the ignition switch in the ON position, the brake fluid level sensor is activated or the parking brake switch is turned ON, causing the brake warning lamp to light up.
- On diesel-powered vehicles, when the brake booster vacuum line fails, the vacuum switch is turned ON causing the brake warning lamp to light up.

〈Low fuel warning lamp〉

- When the fuel level goes down causing the level sensor to be exposed, with the ignition switch in the ON position, the resistance of level sensor becomes small. When this resistance goes down below the predetermined level, the fuel warning lamp lights up to warn the driver that the amount of fuel still available for use is small.

〈Oil pressure warning lamp〉

- When the lubrication system fails after engine starting, resulting in the oil pressure failing to build up, the oil pressure switch turns ON causing the oil pressure warning lamp to light up.

〈Low engine oil warning lamp〉

- When the ignition switch is turned to the "ON" position (in the state where the engine is stopped), electric current will flow to terminal "L" of the alternator through the multi-purpose fuse No. ⑪, low engine oil warning lamp and engine oil level relay and the low engine oil warning lamp will also light up.
- When the engine starts, the charging voltage will be applied to the terminal "L" of the alternator. Therefore, the low engine oil warning lamp will go out.
- When the engine oil temperature rises to approx. 55°C (131°F), the engine oil level sensor (TEMP) provided in the oil pan will be turned off.
- When the engine oil amount in the oil pan drops below the set level in this state, the engine oil level sensor (LEVEL) will be turned off to apply the voltage to the delay circuit.
- If the "OFF" state continues for approx. 20 seconds or more, the power transistor will be turned on to light the low engine oil warning lamp to indicate a shortage of engine oil.

Remark
The delay circuit is provided to prevent the low engine oil warning lamp from going on even if the engine oil level sensor is temporarily turned off due to cornering or other running conditions of the vehicle.

〈Charge warning lamp〉

- See CHARGING SYSTEM (P. 4-24.)

〈Check engine warning lamp〉

- See the Service Adjustment Procedure, in Group 11 of the separate WORKSHOP MANUAL (Pub. No. PWJE9086)

〈Fuel filter warning lamp〉
(Diesel-powered vehicles)

- When the ignition switch is turned to the "ON" position (with the engine stopped), the fuel filter warning lamp comes on and the lamp switches OFF when the engine is started. This feature can be used to check for a failure of the lamp's bulb.
- When condensate has accumulated in the fuel filter, the water level switch turns ON causing the fuel filter warning lamp to light up.

〈ABS warning lamp〉

- See the Troubleshooting of Anti-skid Brake in Group 35 of the separate WORKSHOP MANUAL (Pub. No. PWJE9086)

〈Automatic transmission oil temperature warning lamp〉

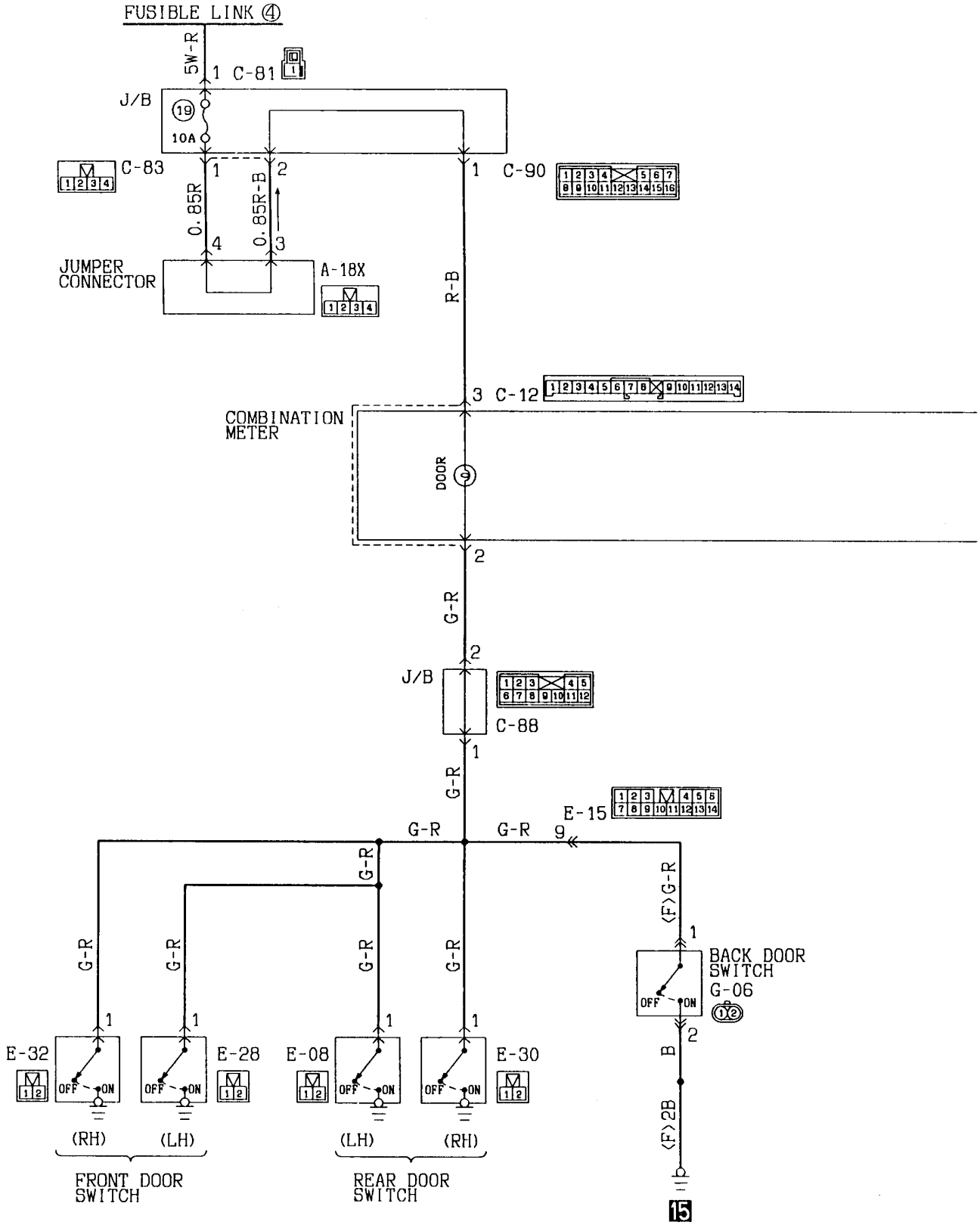
- When the ignition switch is turned to the "ON" position (with the engine stopped), the automatic transmission oil temperature warning lamp comes on and the lamp switches OFF when the engine is started. This feature can be used to check for a failure of the lamp's bulb.
- When the automatic transmission oil temperature becomes abnormally high, the automatic transmission oil temperature switch turns ON causing the automatic transmission oil temperature warning lamp to light up.

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18 WARNING LAMP

18-1 4G64 engine



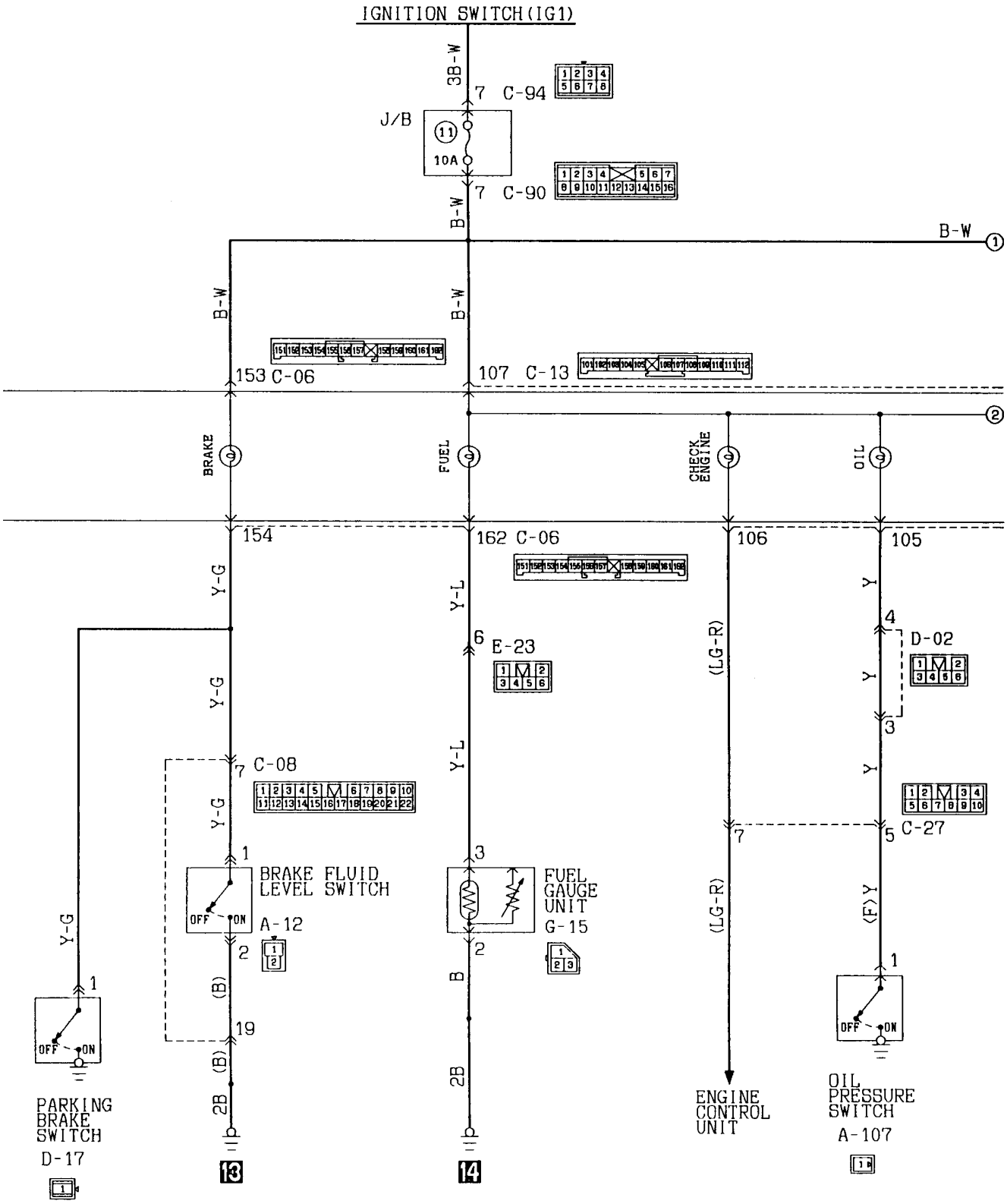
Wire colour code

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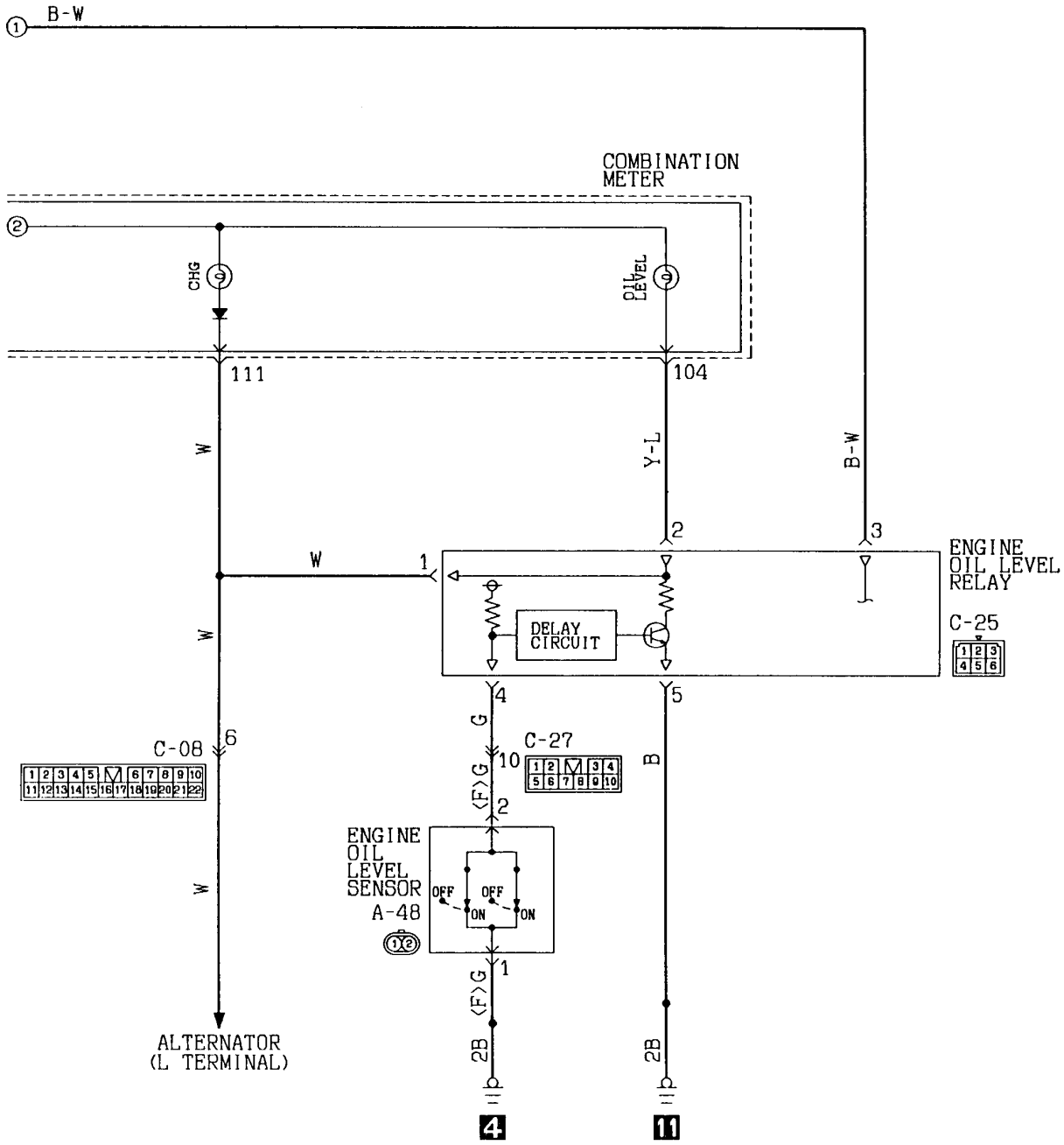
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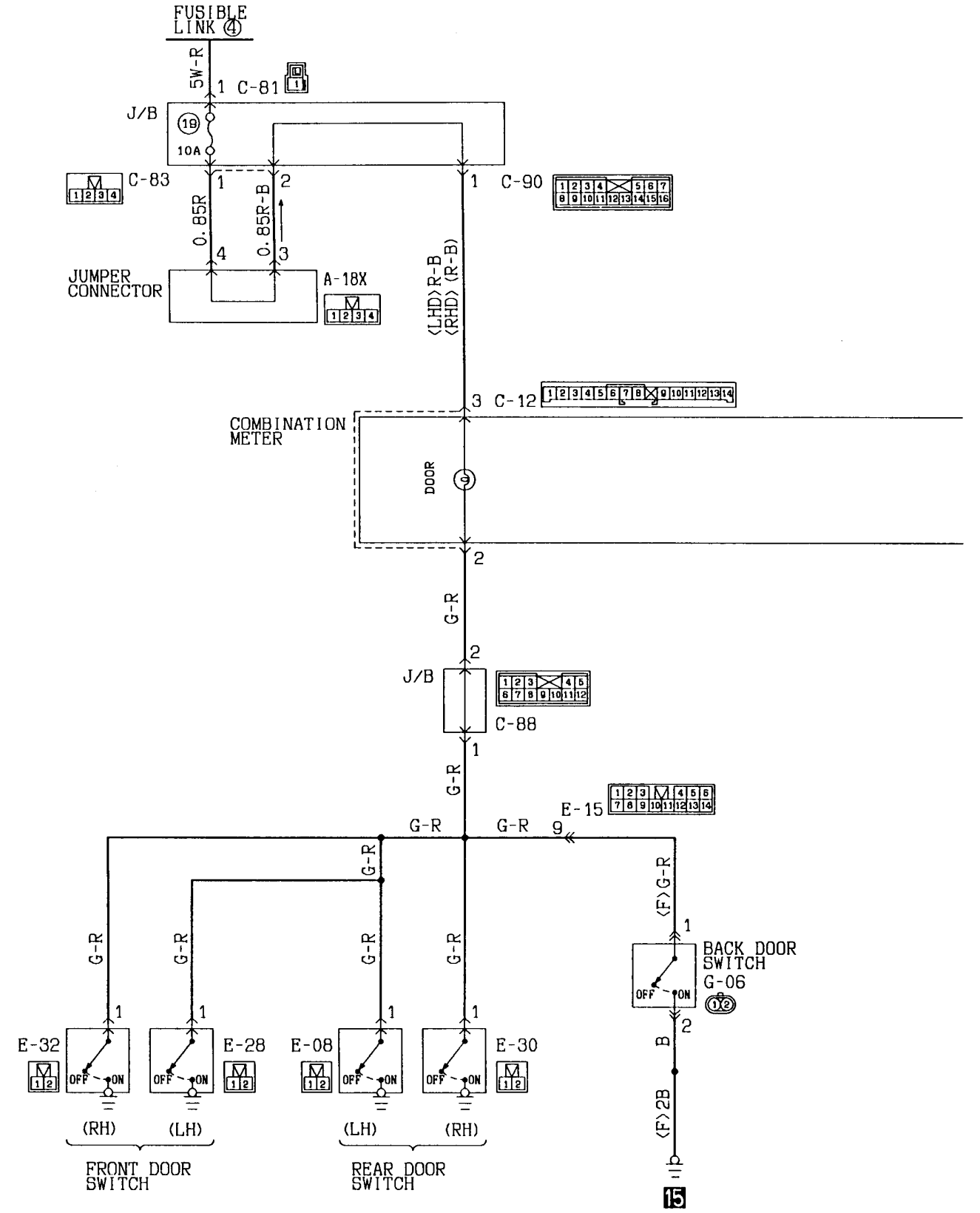
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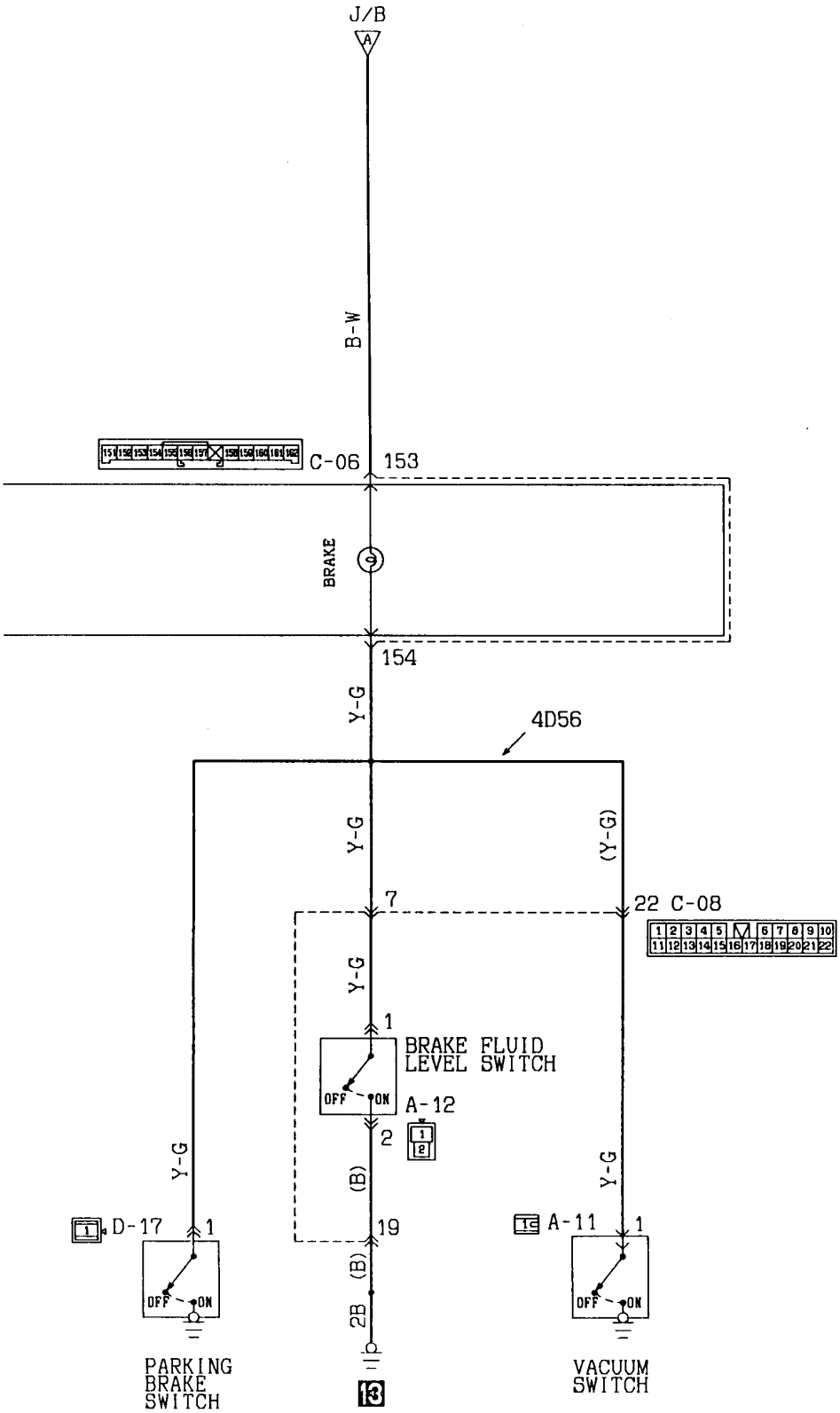
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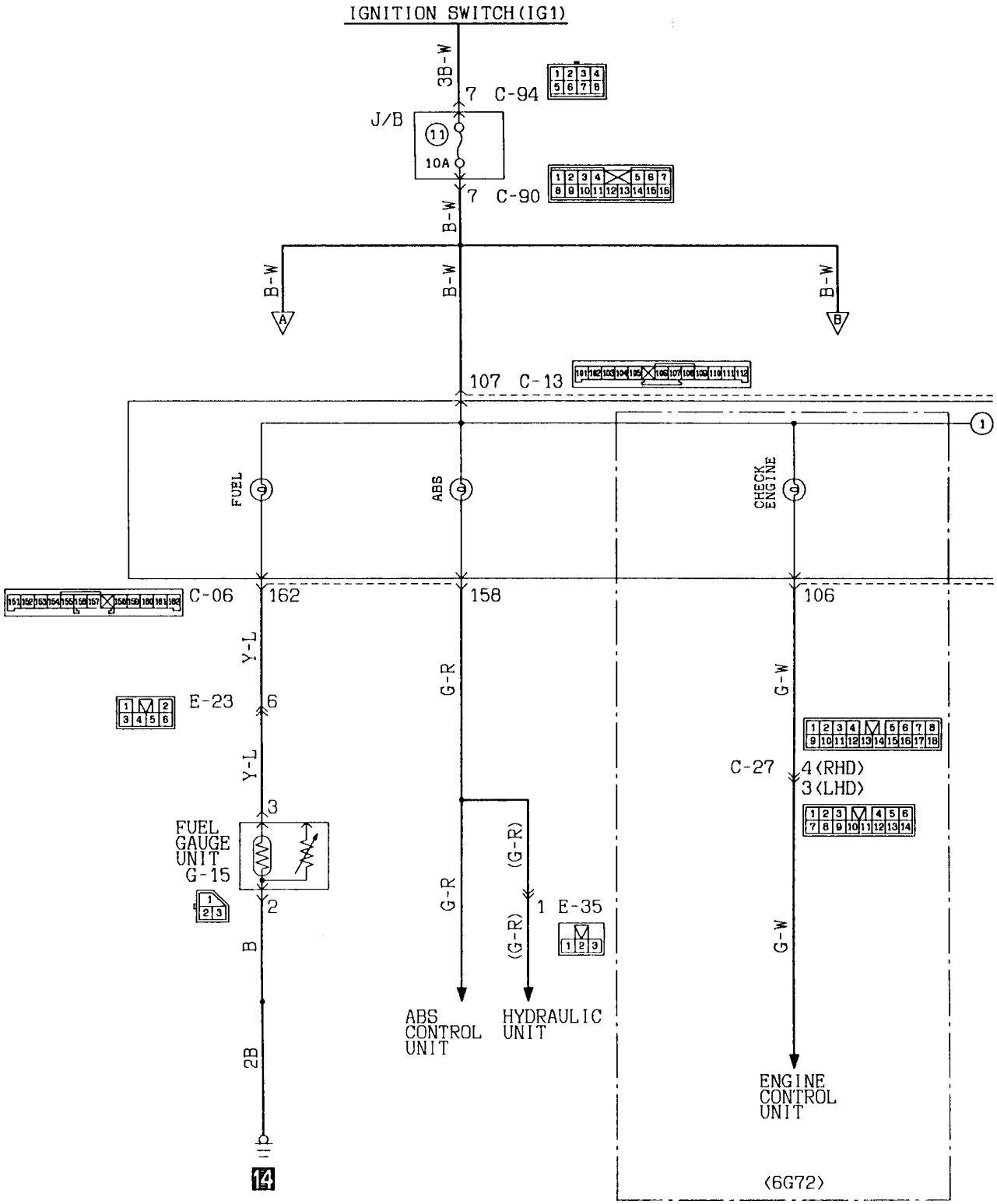


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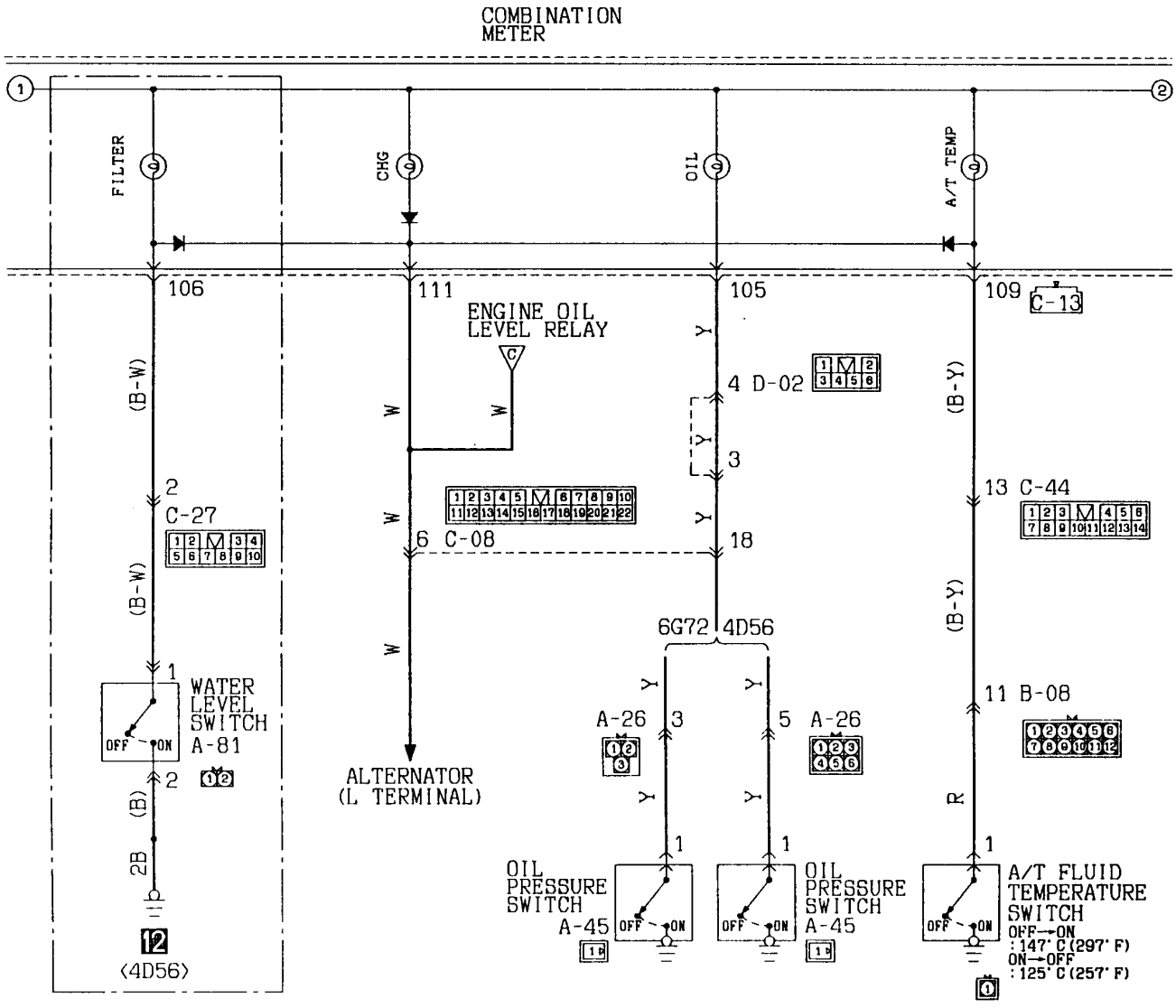
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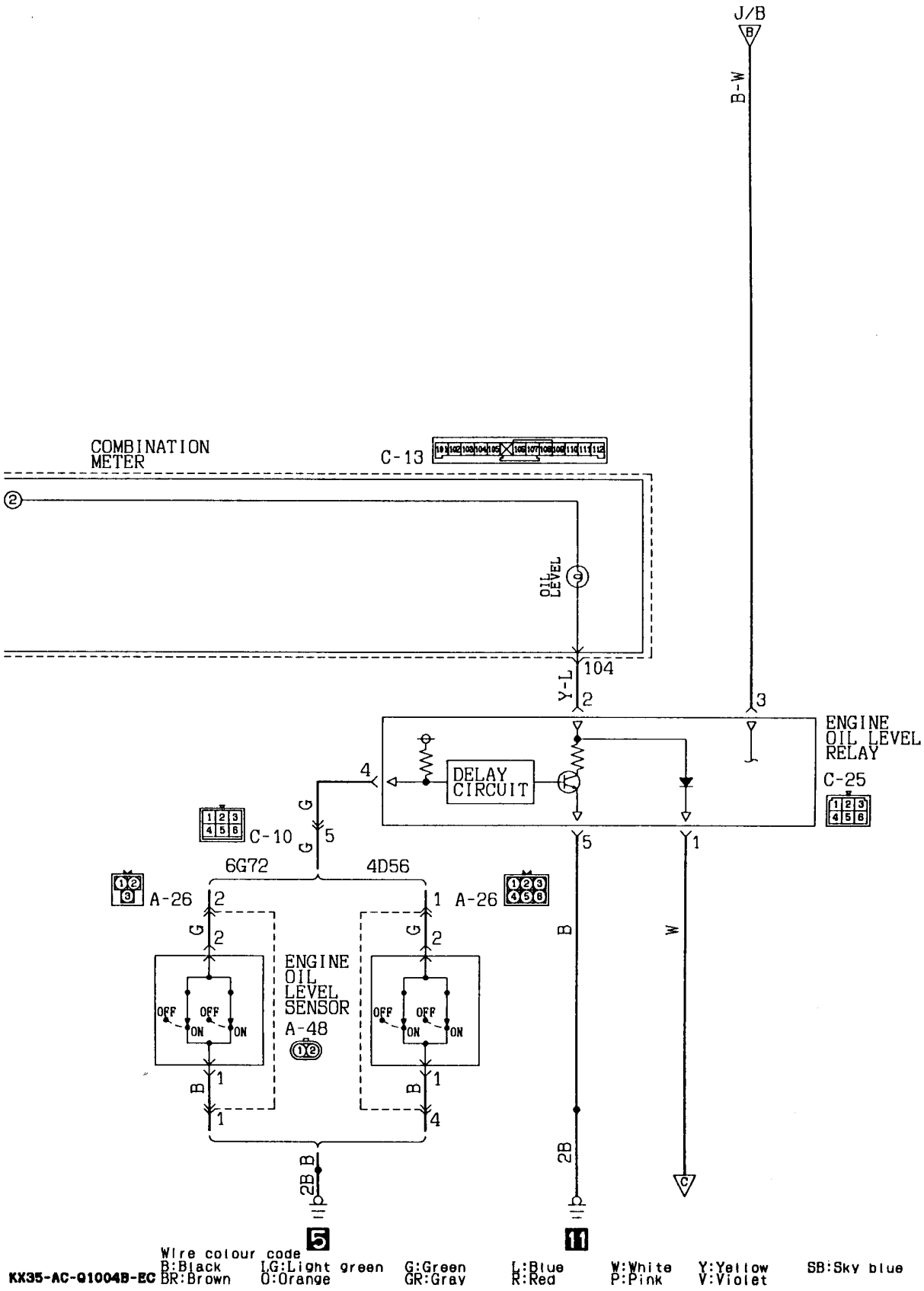
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C-13

Wire colour code
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BR:Brown O:Orange GR:Gray R:Red
W:White SB:Sky blue P:Pink Y:Yellow
V:Violet



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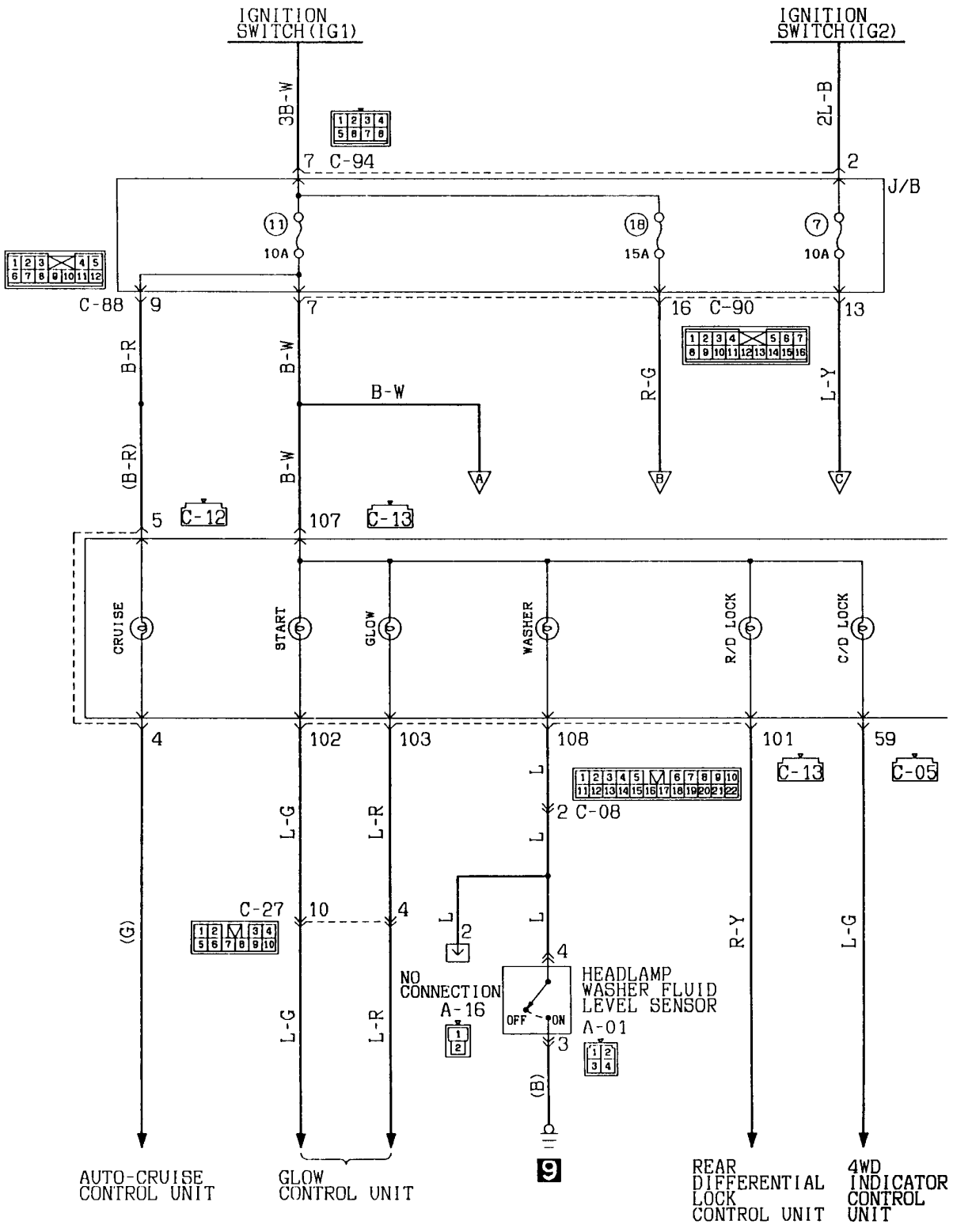


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19 INDICATOR LAMP

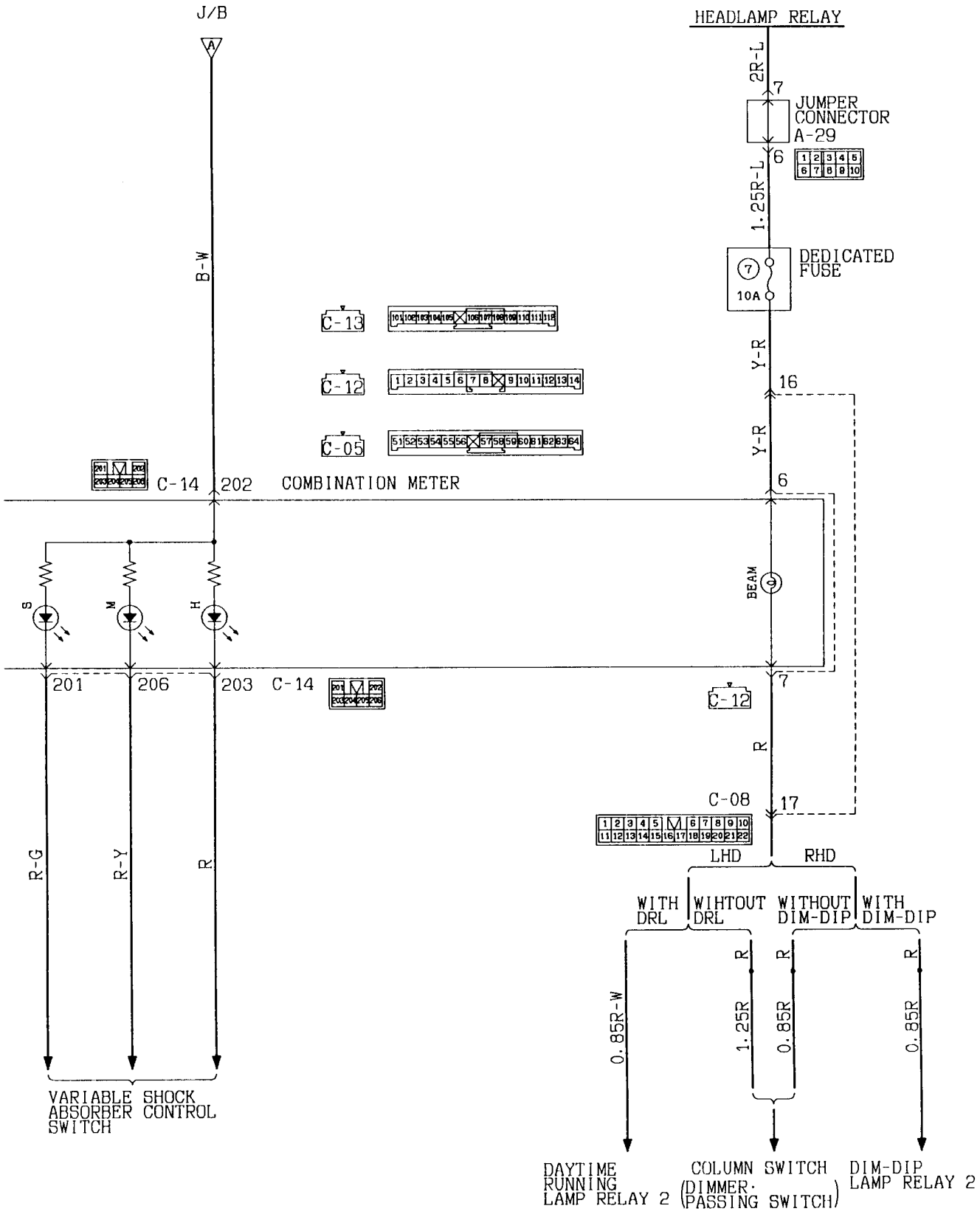


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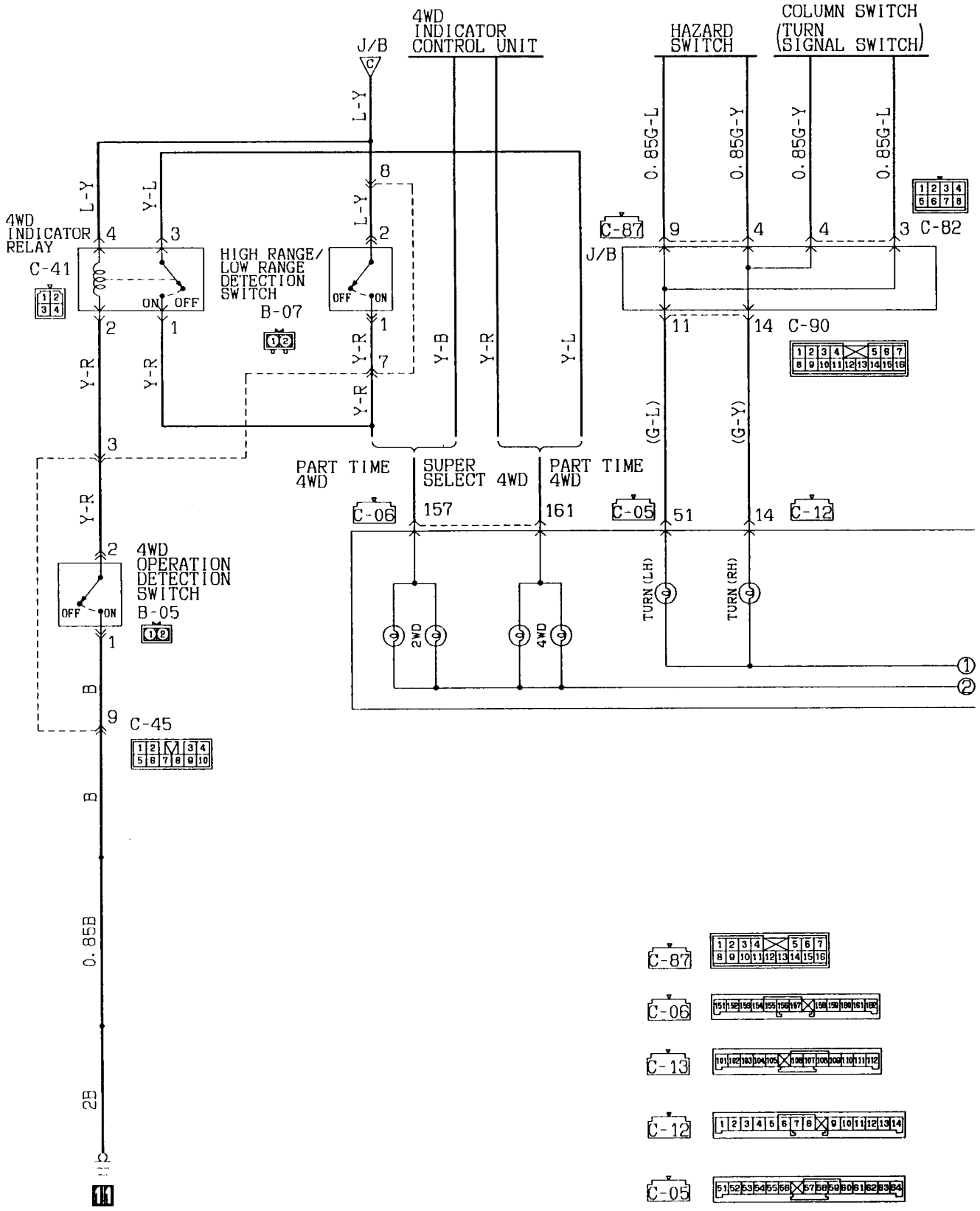
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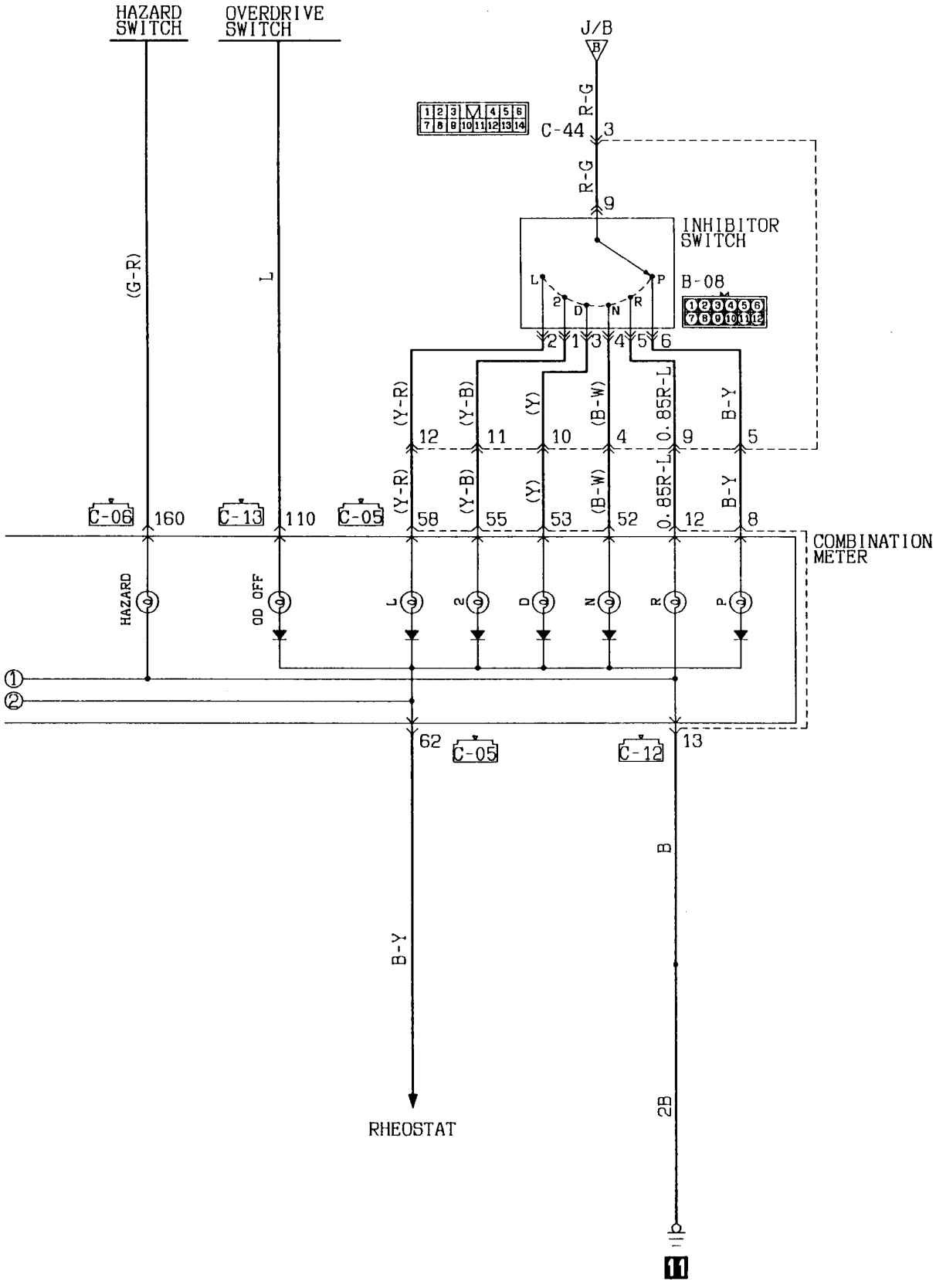


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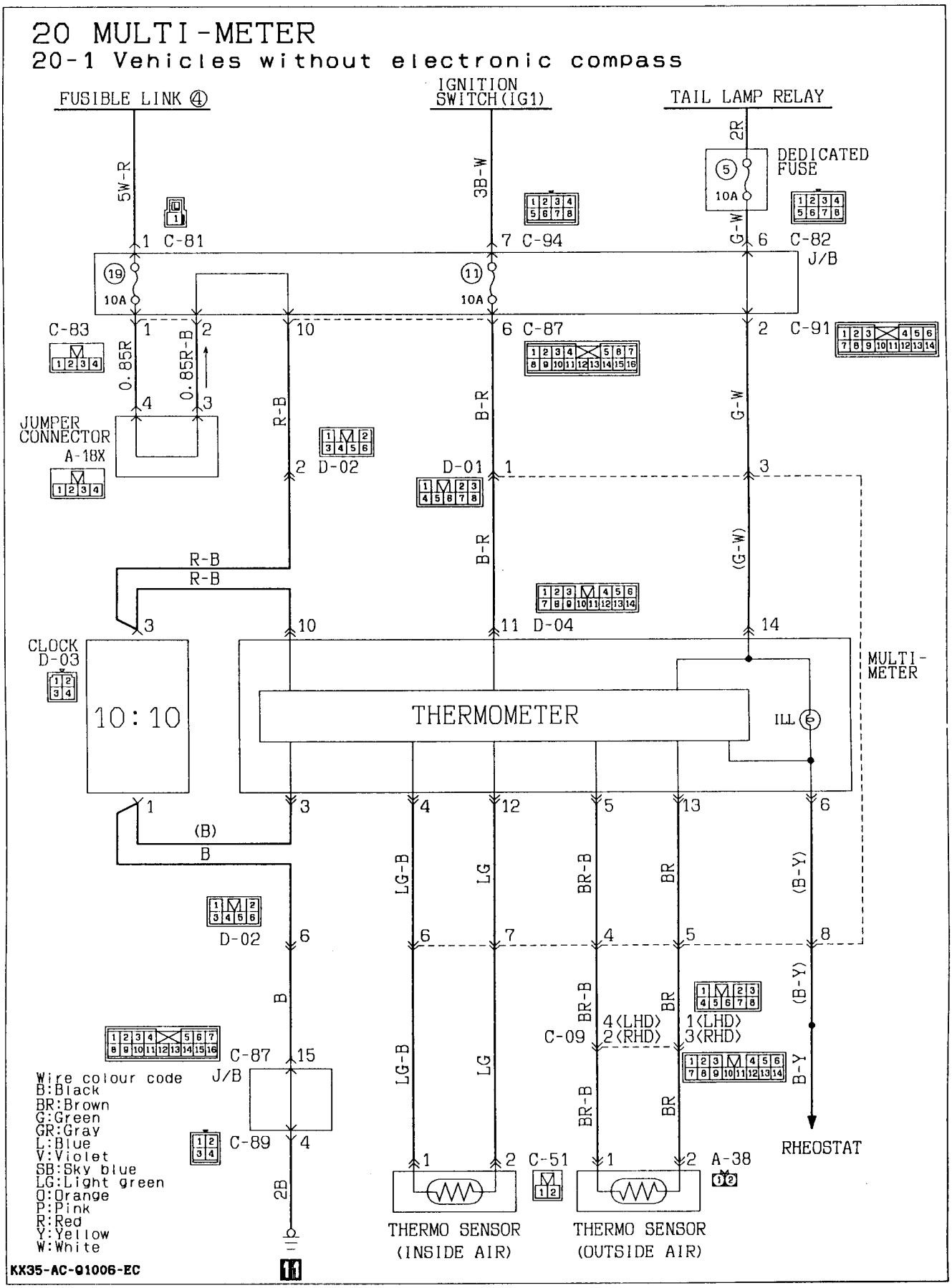
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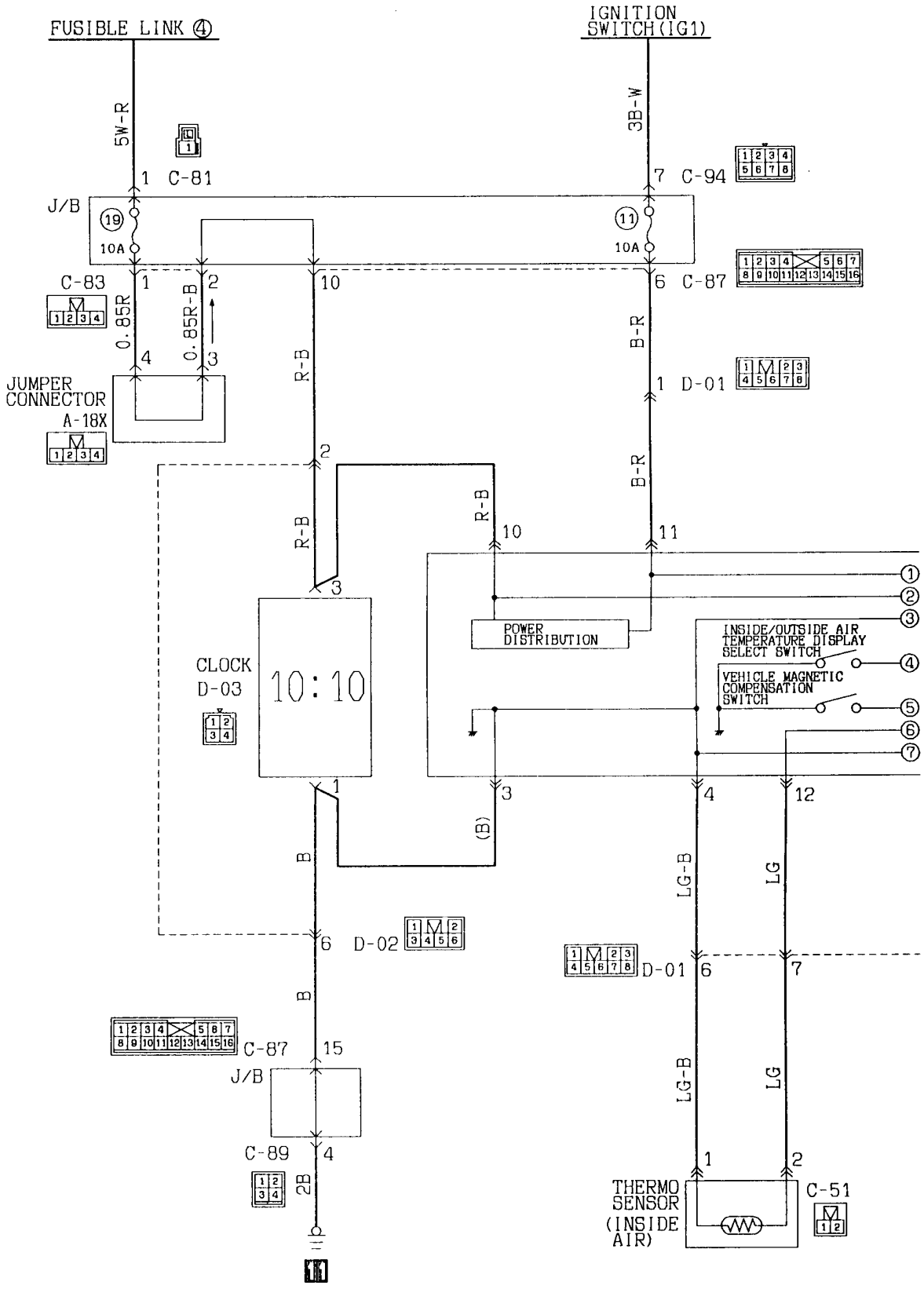
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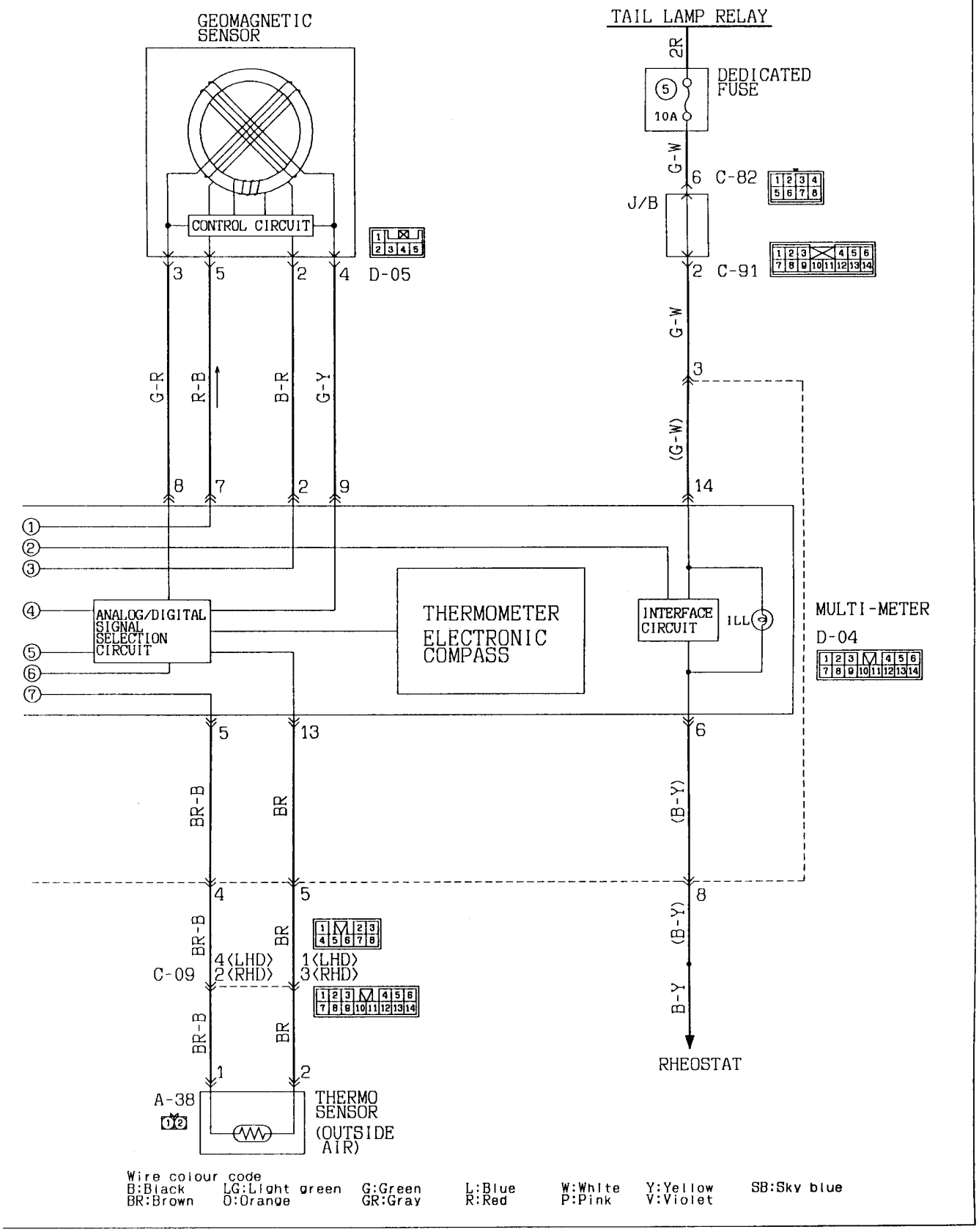
20-2 Vehicles with electronic compass



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Wire colour code

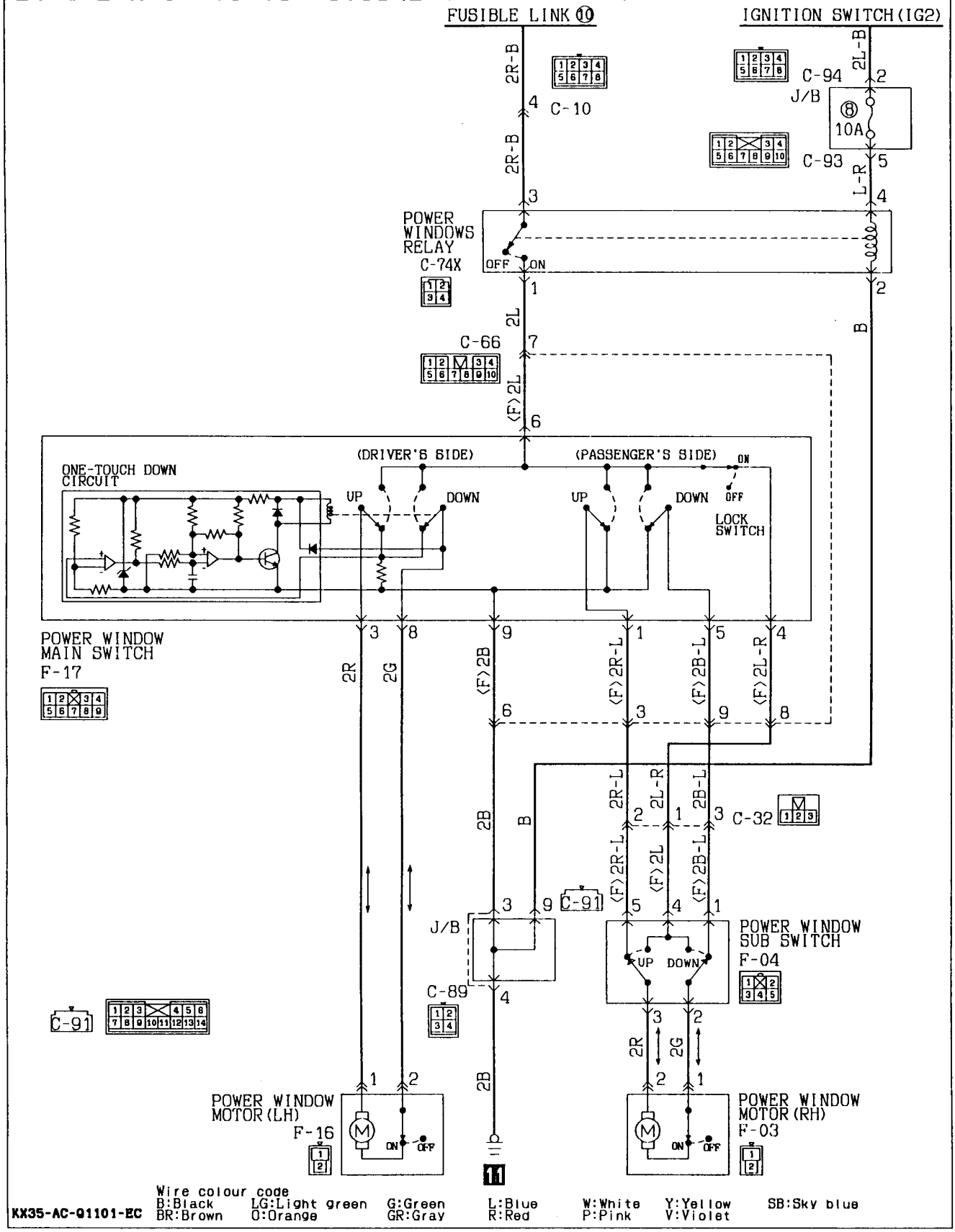
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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21 POWER WINDOW

21-1 L.H. drive vehicles (2-door models)



Wire colour code
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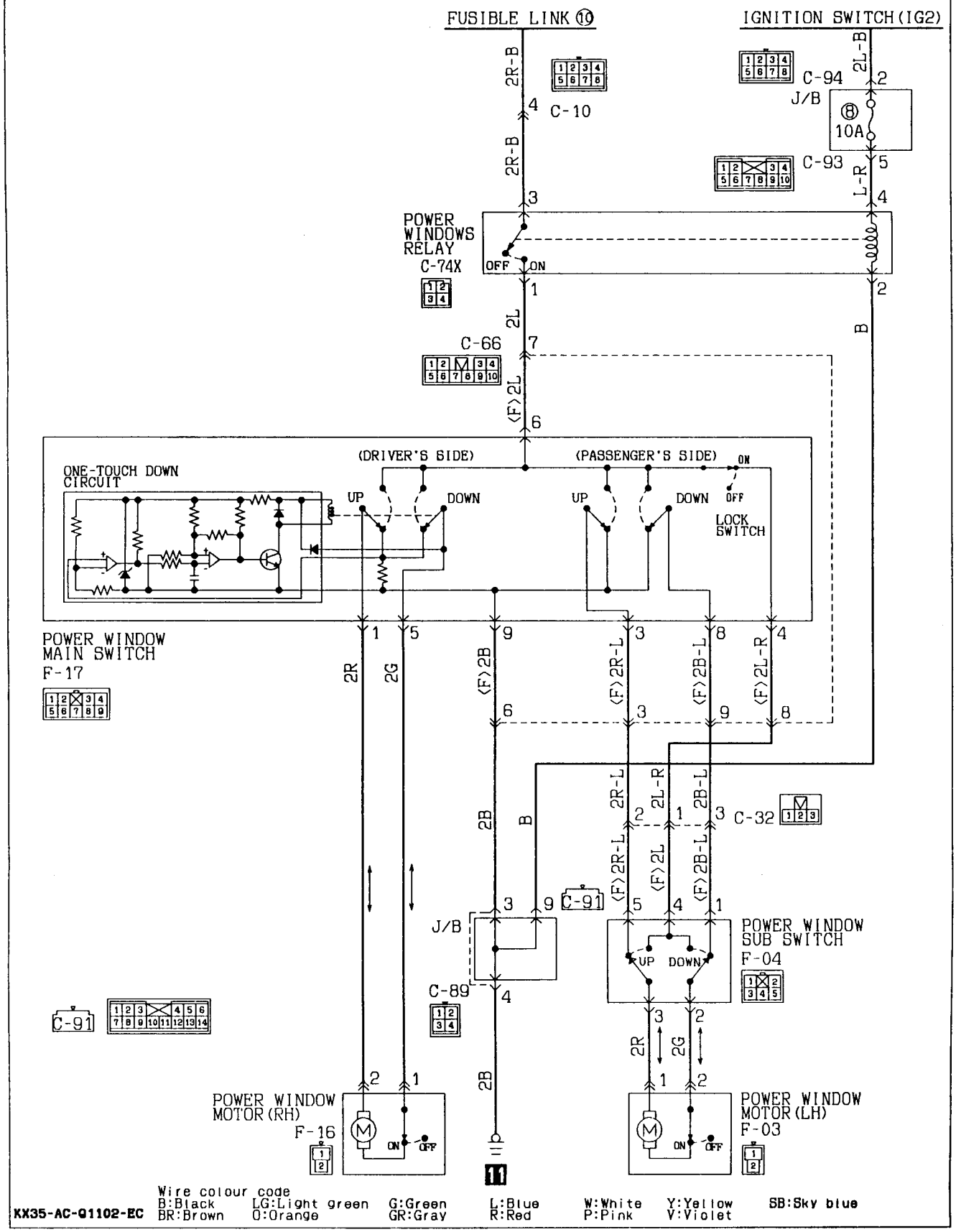
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21-2 R.H. drive vehicles〈2-door models〉

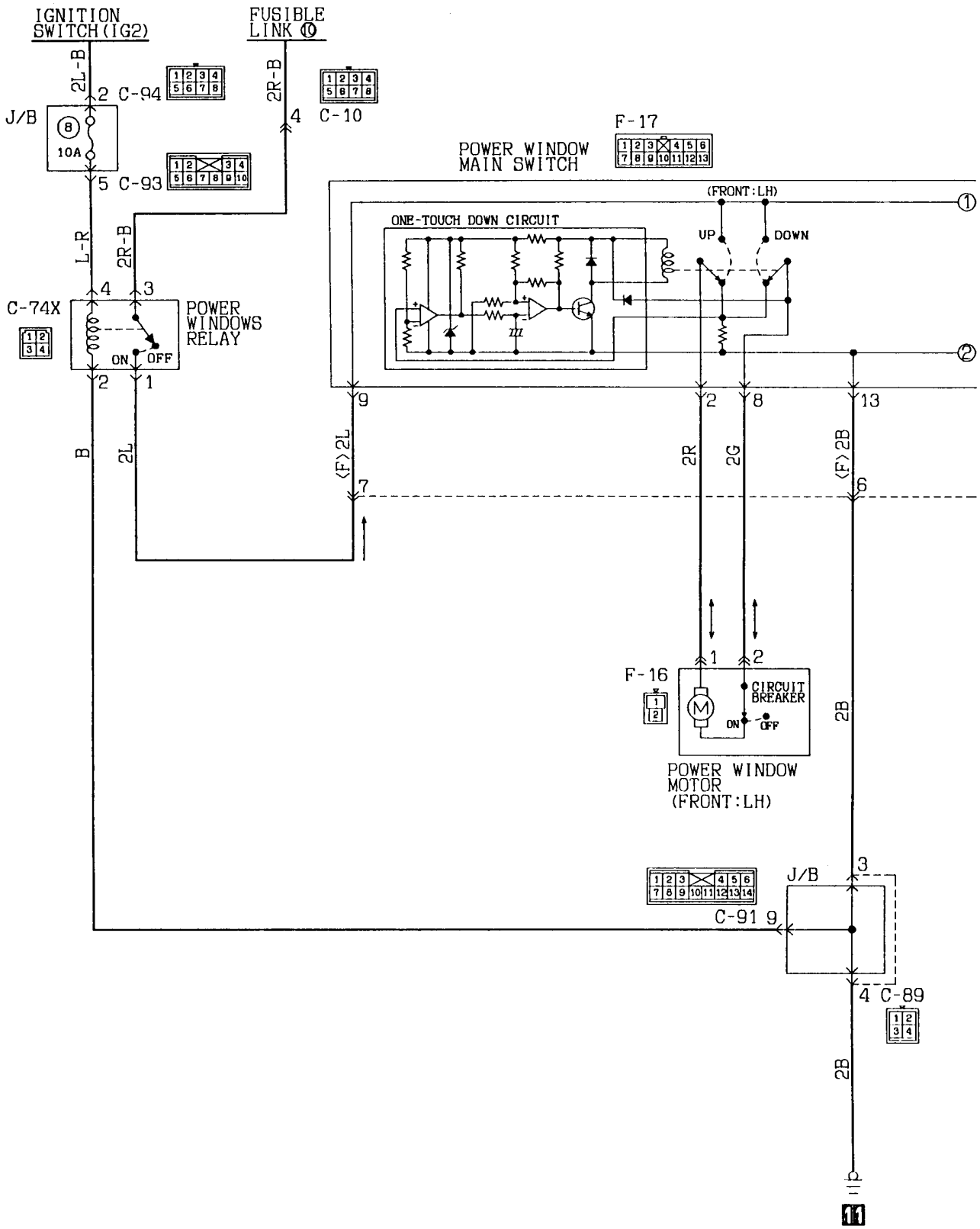


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21-3 L.H. drive vehicles<4-door models>

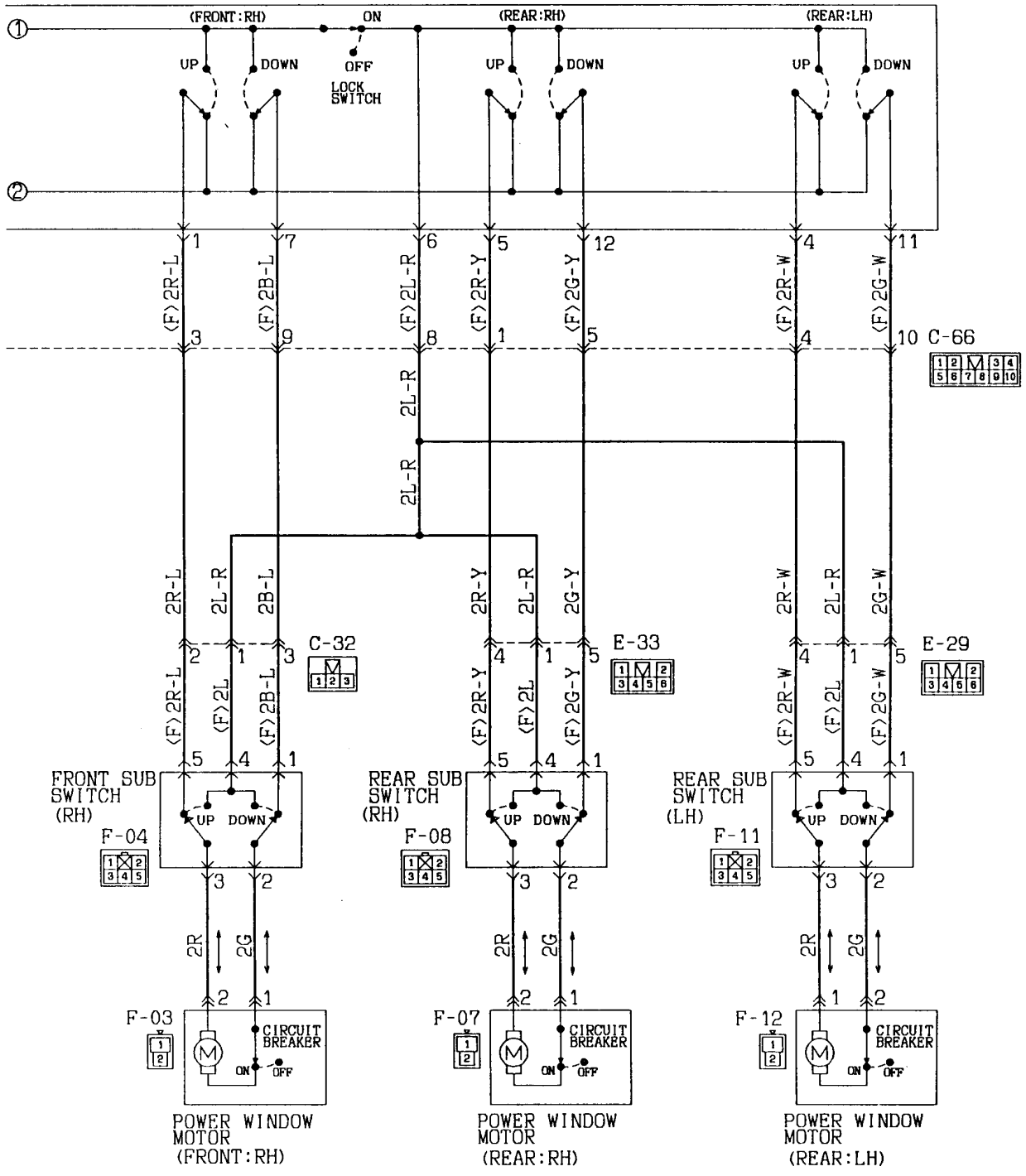


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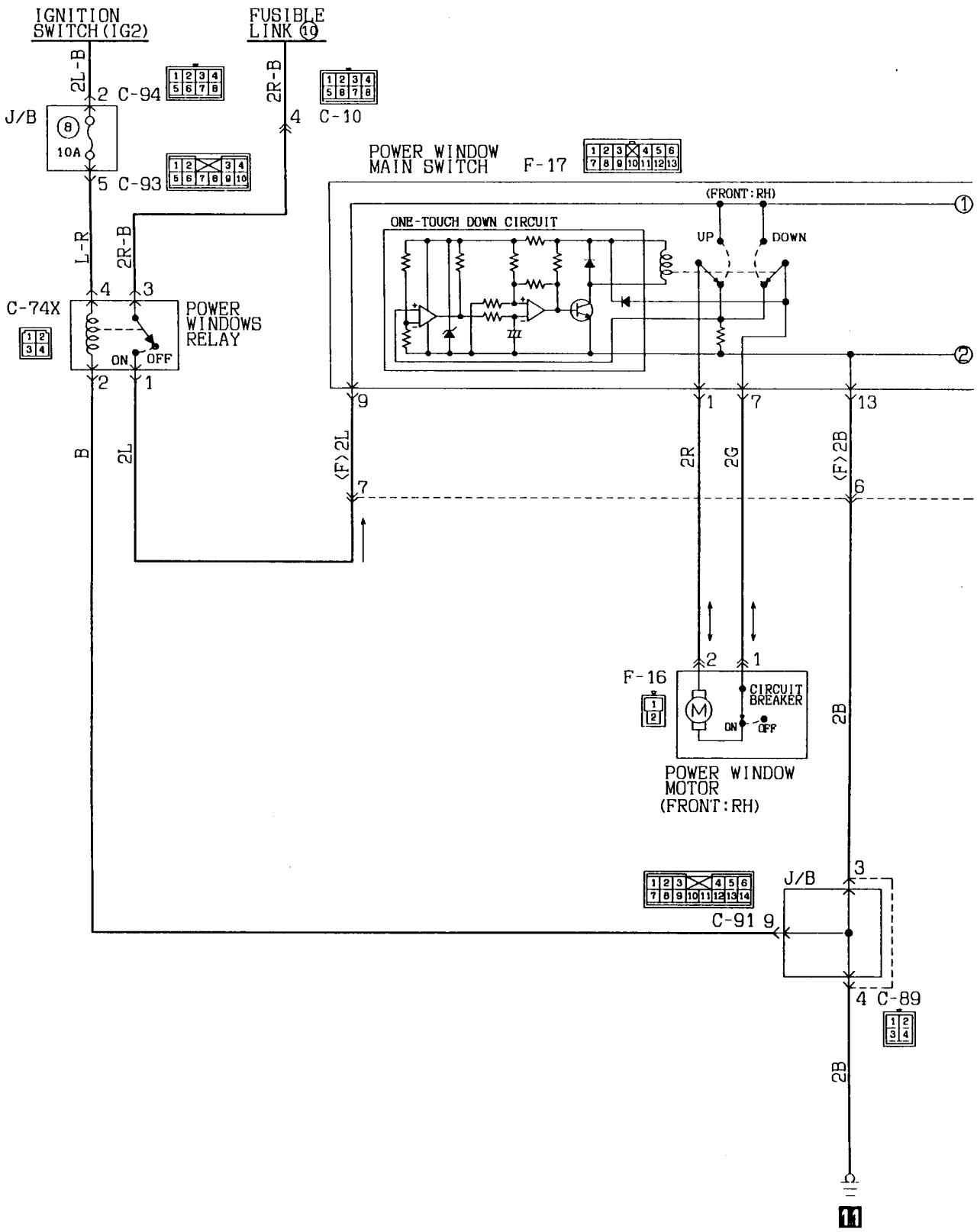
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21-4 R.H. drive vehicles<4-door models>



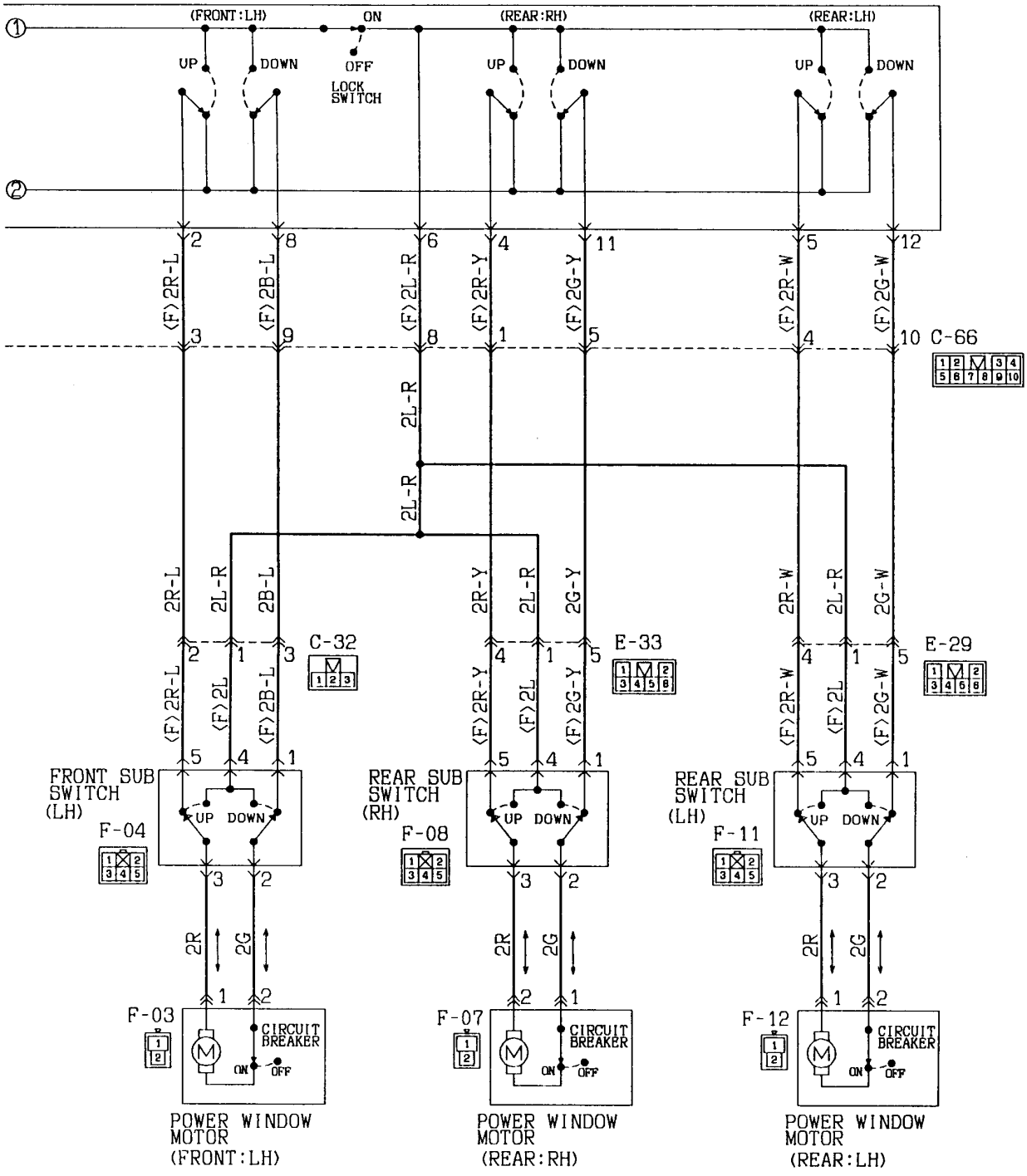
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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POWER WINDOW (See P. 4-98, 99, 100, 102.)

OPERATION

- When the power window (main or sub) switch is depressed (UP or DOWN) with the ignition switch in the ON position, current flows through fusible link No. ⑩ to the power window motor. This energizes the power window motor causing the door window glass to open or close.
- When the DOWN side of the power window main switch (driver's seat side switch) is depressed all the way, it is locked in the depressed position and the power window motor is operated until the door glass is fully opened.
- When the power window lock switch is placed in the LOCK (OFF) position, operating a switch other than the ones for the driver's side and front passenger's side window (main) does not cause the power window motor to be operated.
- The power window motor is provided with a circuit breaker that protects the motor from damage caused by overcurrent.
  Reference: Circuit breaker characteristics
  Restricts the motor at room temperature [20 to 25°C (68 to 77°F)];
  Opens following 4-to-40-sec. initial energization time;
  Resets within 60 seconds if left open thereafter.

TROUBLESHOOTING HINTS

1. All door glasses cannot be opened or closed.
   - Check fusible link No. ⑩.
   - Check multi-purpose fuse No. ⑧.
   - Check power window relay.
   - Check power window main switch.
2. Some door glass cannot be opened or closed.
   1) Neither power window main nor sub switch is activated.
      - Check power window main switch.
      - Check defective power window motor.
   2) Either power window main or sub switch is inoperative.
      - Check inoperative power window switch.
3. One-touch switch function is not operational.
   - Replace power window main switch.

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CENTRAL DOOR LOCKING SYSTEM (See P. 4-106.)

OPERATION

1. Operation with the inside lock knob on the driver's side (including door lock key operation).

- If the inside lock knob on the driver's side is locked (or unlocked), the switch in the front door lock actuator (driver's side) goes off (or on) and the lock side (or unlock side) relay in the door lock control unit goes on for 0.5 second and the actuators for all doors function.

2. Operation with the door lock key.

- If the door lock key (passenger's side) is turned to the lock side (or unlock side), the lock side (or unlock side) relay in the door lock control unit goes on for 0.5 second and the actuators for all doors function.

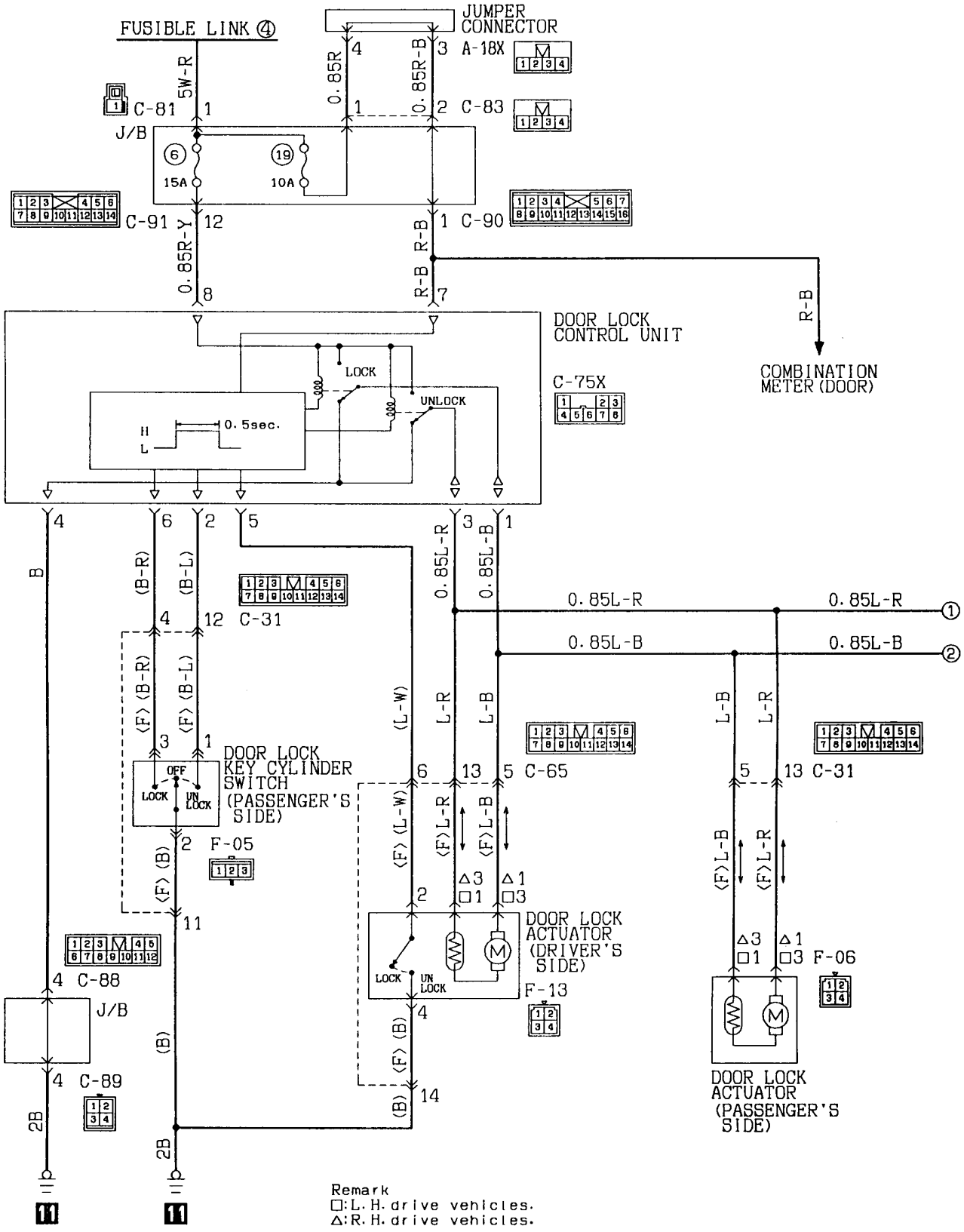
TROUBLESHOOTING HINTS

1. Any one of the door lock actuators is inoperative.
   - Check the defective door actuator.
2. Locking (or unlocking) is possible with the door lock key (passenger's side) but locking (or unlocking) is not possible with the inside lock knob on the driver's side (including door lock key operation).
   - Inspect the front door lock actuator (driver's side)
   - Inspect the door lock control unit.
3. Locking (or unlocking) is possible with the inside lock knob (including door lock key operation) on the driver's side but locking (or unlocking) is not possible with the door lock key (passenger's side).
   - Inspect the door lock key cylinder (passenger's side).
   - Inspect the door lock control unit.

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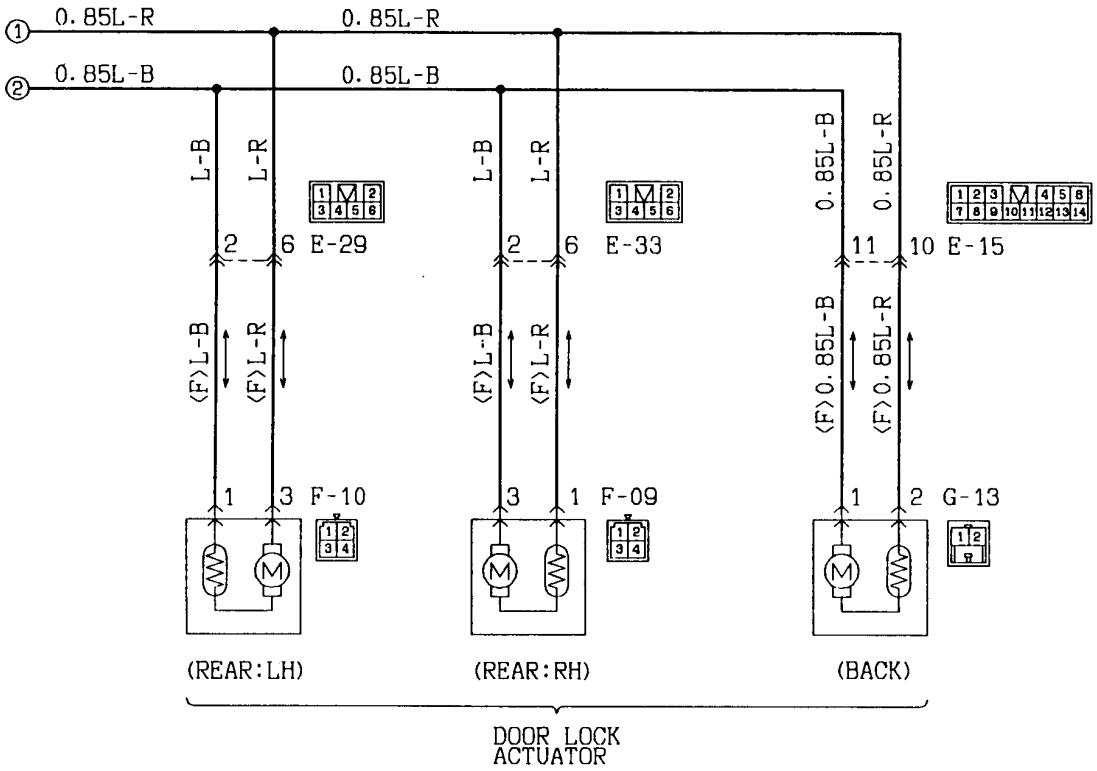
22 CENTRAL DOOR LOCKING SYSTEM



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Wire colour code

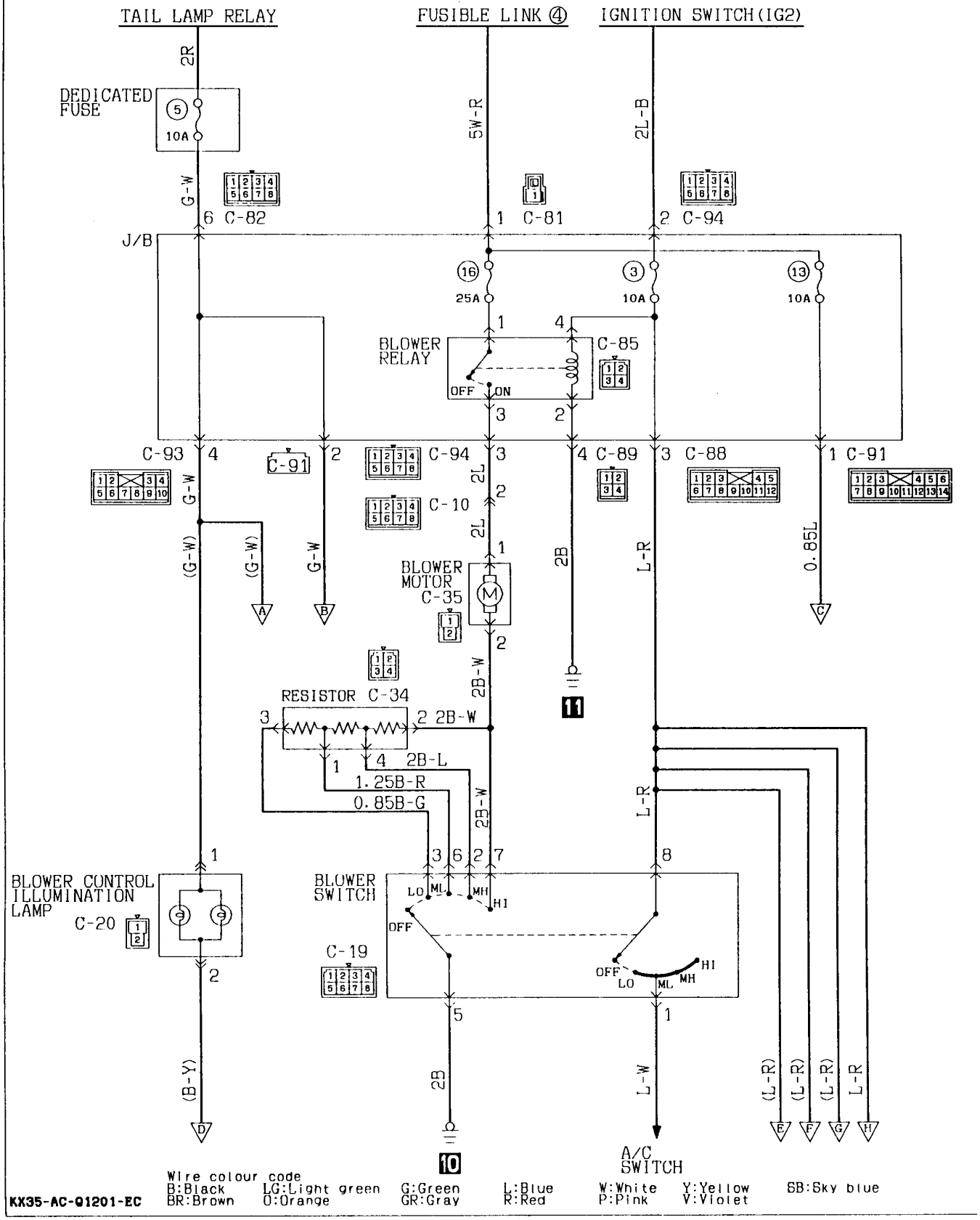
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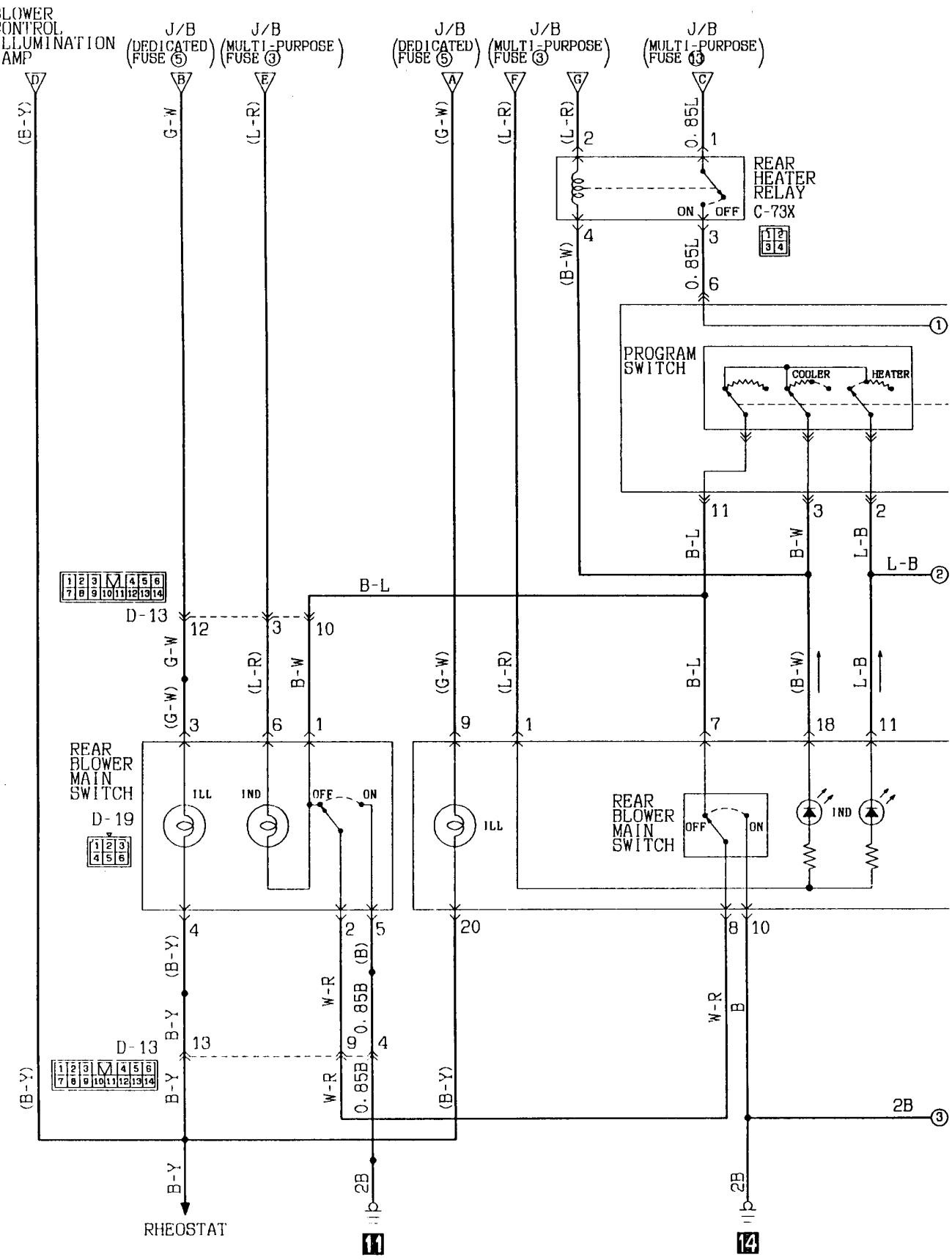
23 HEATER

23-1 Vehicles with rear heater〈with dual air conditioner〉



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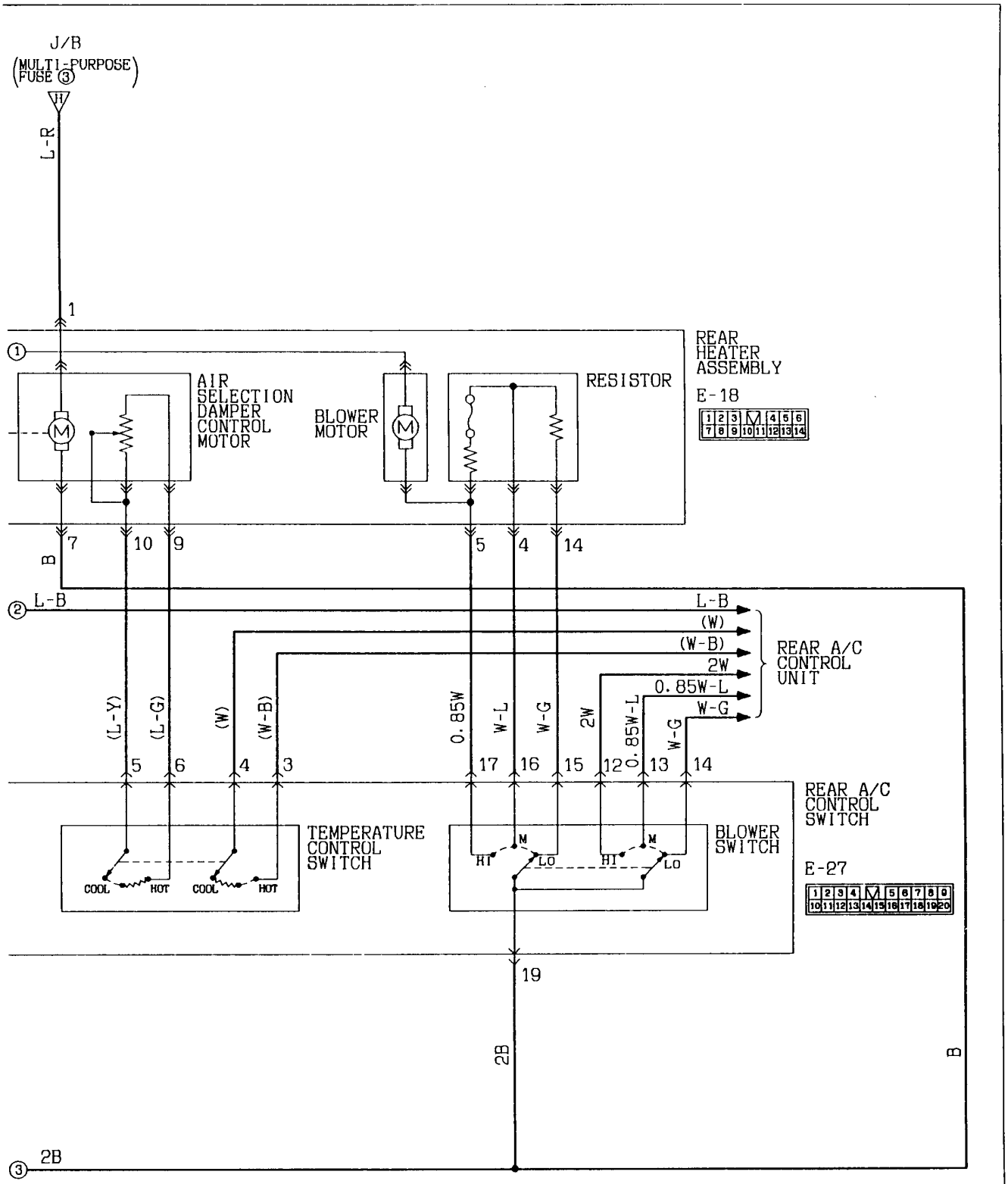
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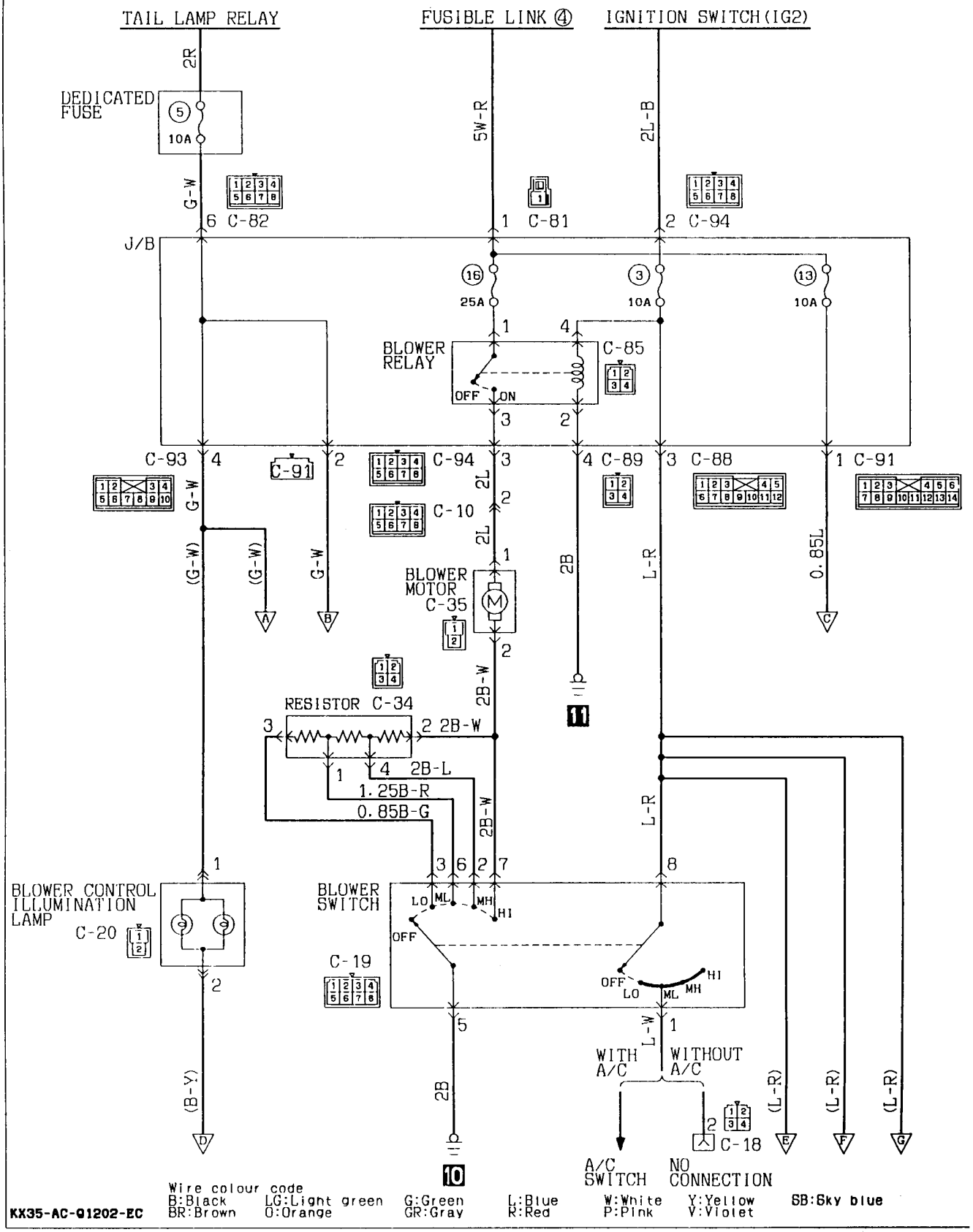
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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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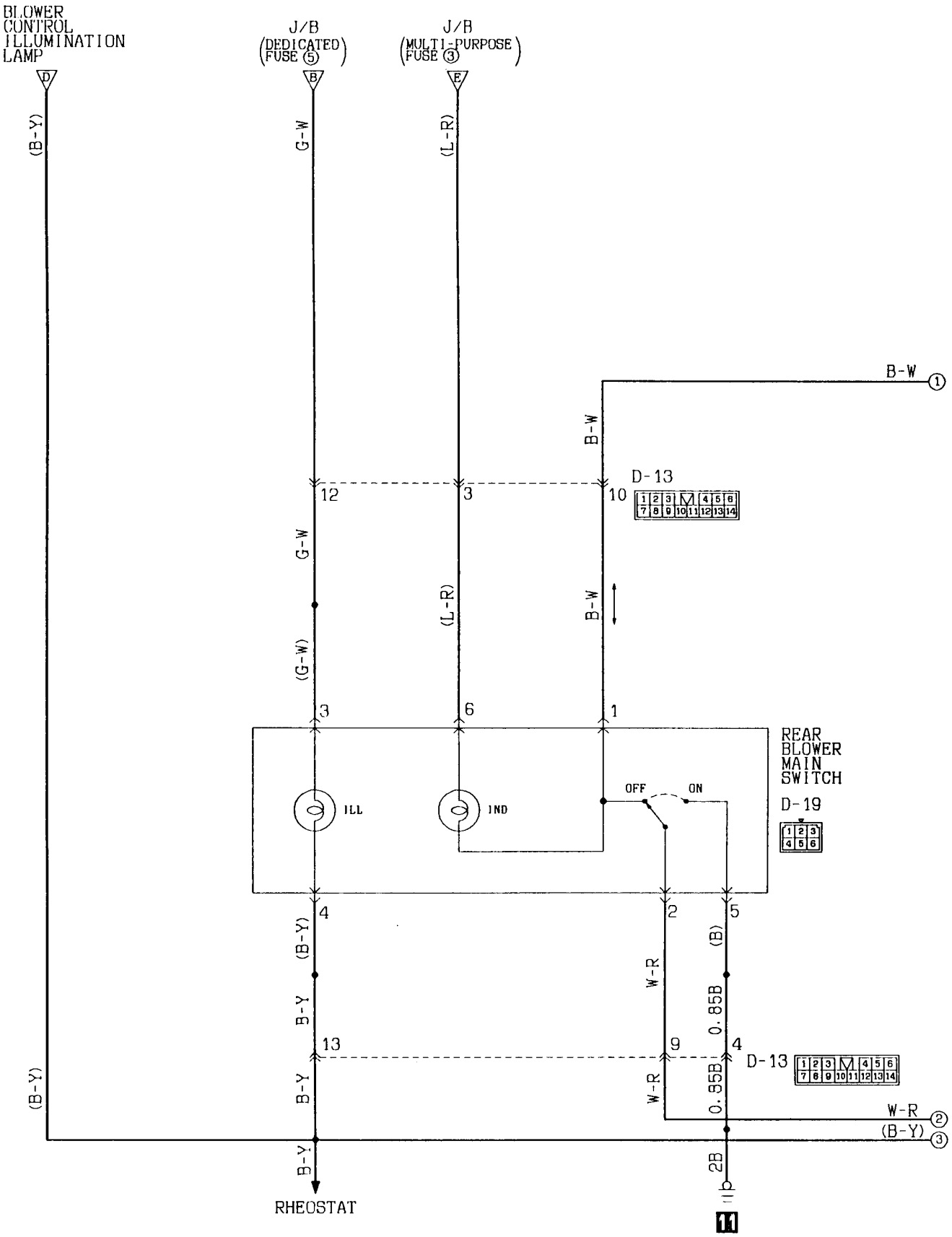
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23-2 Vehicles with rear heater〈without dual air conditioner〉



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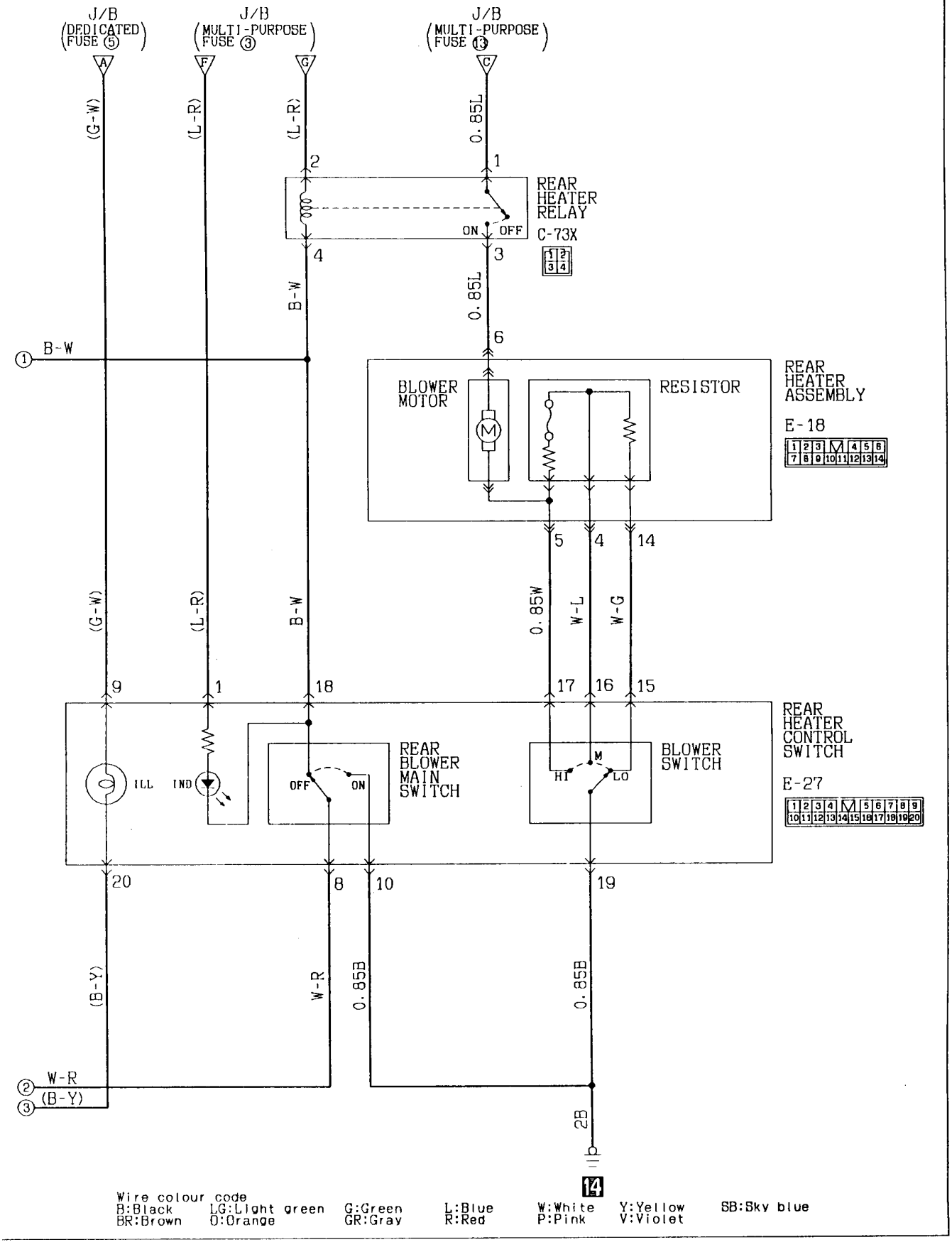
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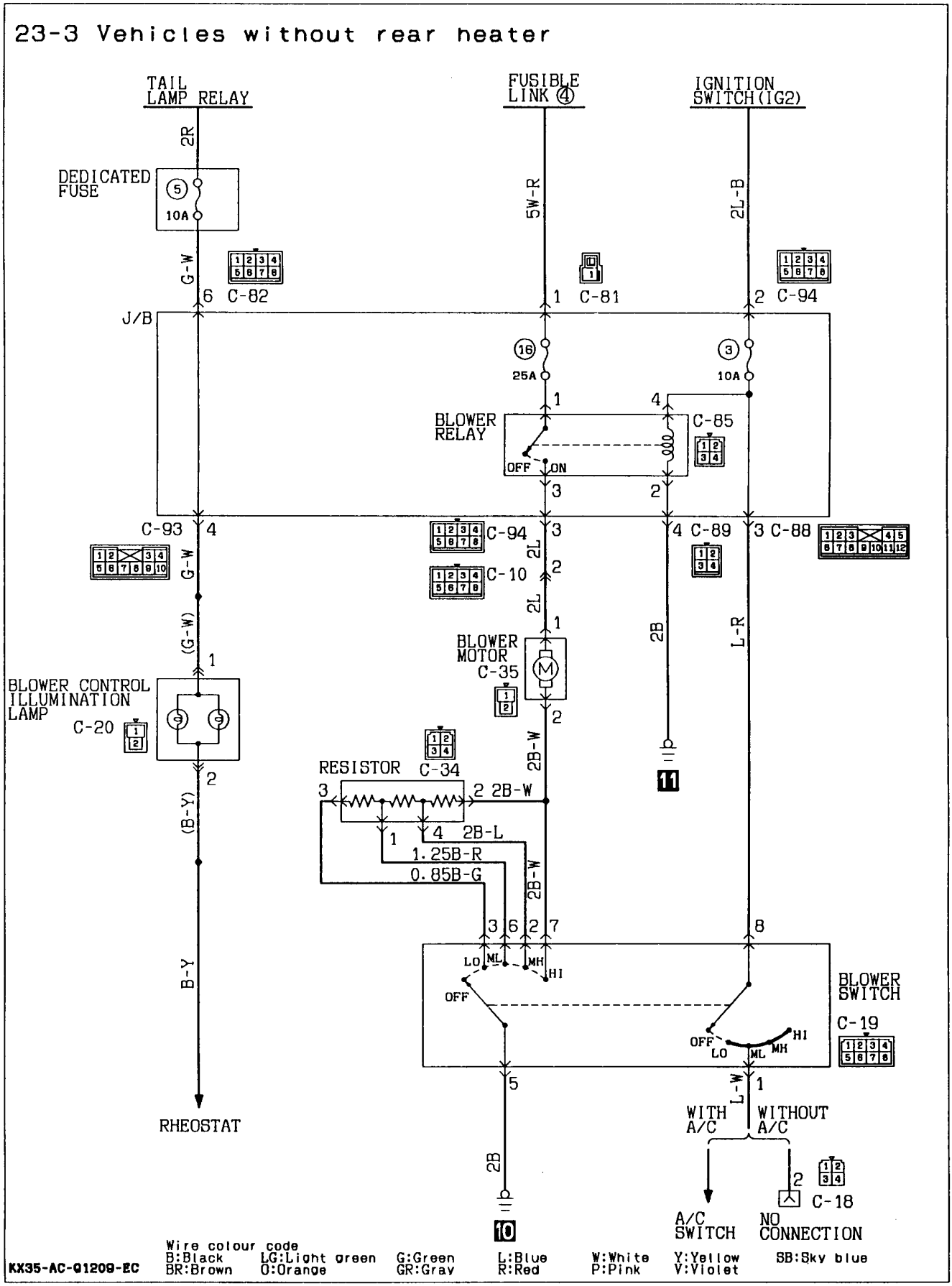


Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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HEATER (See P. 4-108, 111, 114.)

OPERATION

〈Front heater operation〉

- When the ignition switch is turned ON, the blower relay is energized. If the blower switch is turned ON (LO, ML, MH, or HI position) in this condition, the blower is activated through the circuit via resistor at a speed corresponding to the blower switch position.

〈Rear heater operation〉

- When the ignition switch is in the ON position and the rear heater control switch is turned to ON, the rear heater relay turns ON and the blower motor is activated via the resistor at a speed corresponding to the blower switch position (LO, M, HI).

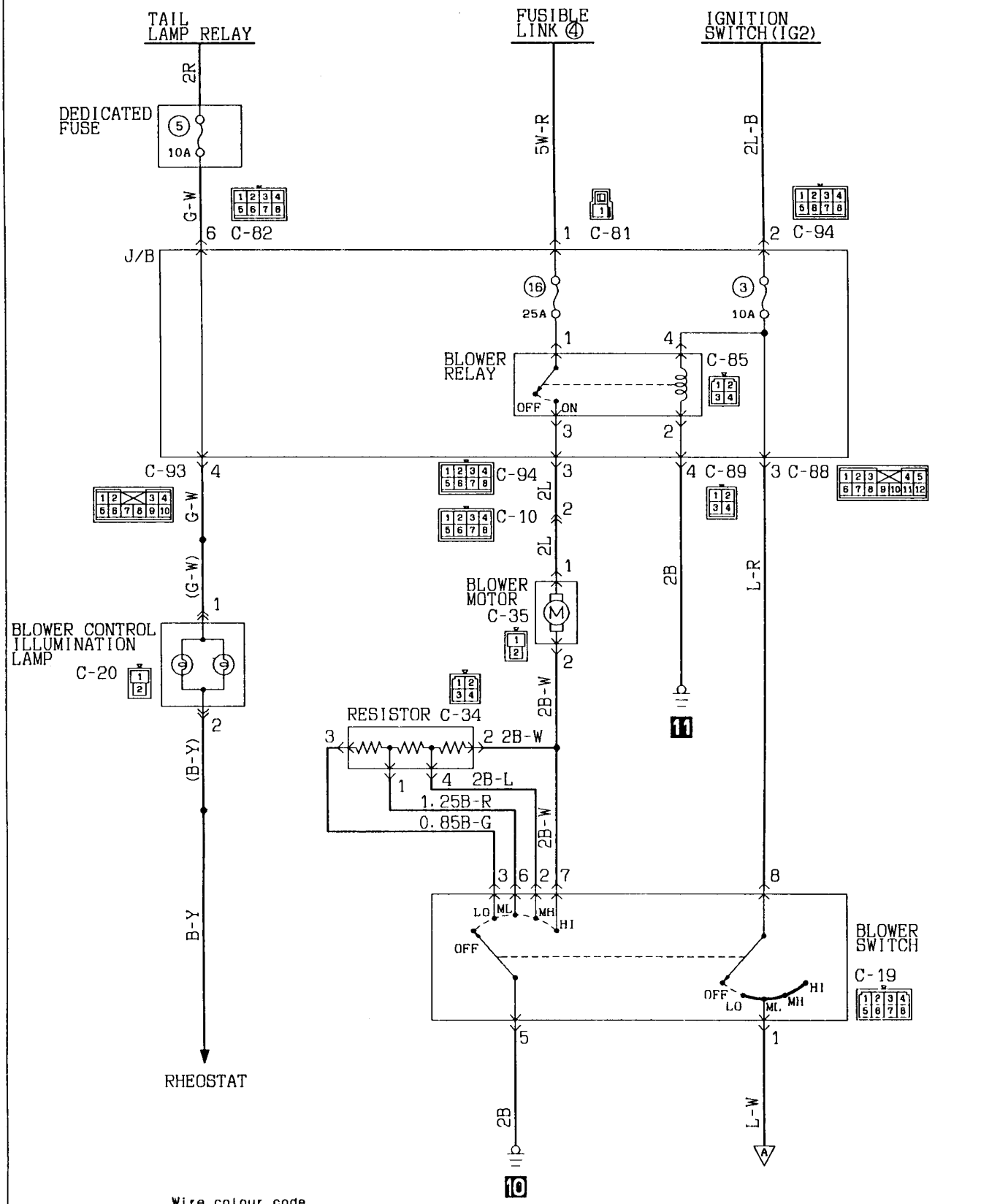
TROUBLESHOOTING HINTS

1. Blower motor is energized at one switch position and not energized at another.
   - Check harness and connectors between defective switch position and resistor (or blower motor in HI position).
2. Blower motor is energized only when switch is positioned in HI.
   - Check resistor.
3. Blower motor speed does not represent the switch position.
   - Check blower switch.

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24 SINGLE AIR CONDITIONER

24-1 Petrol-powered vehicles



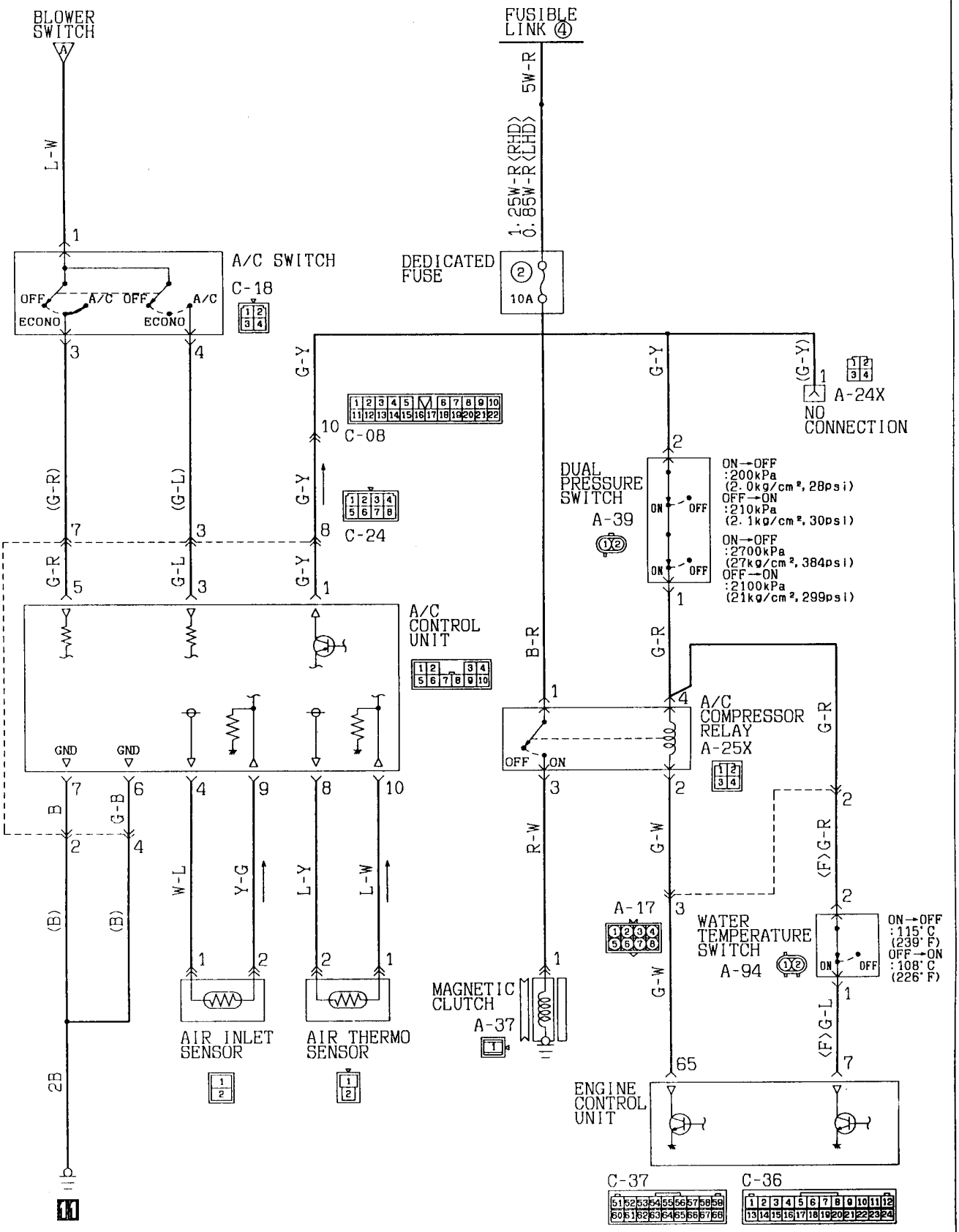
Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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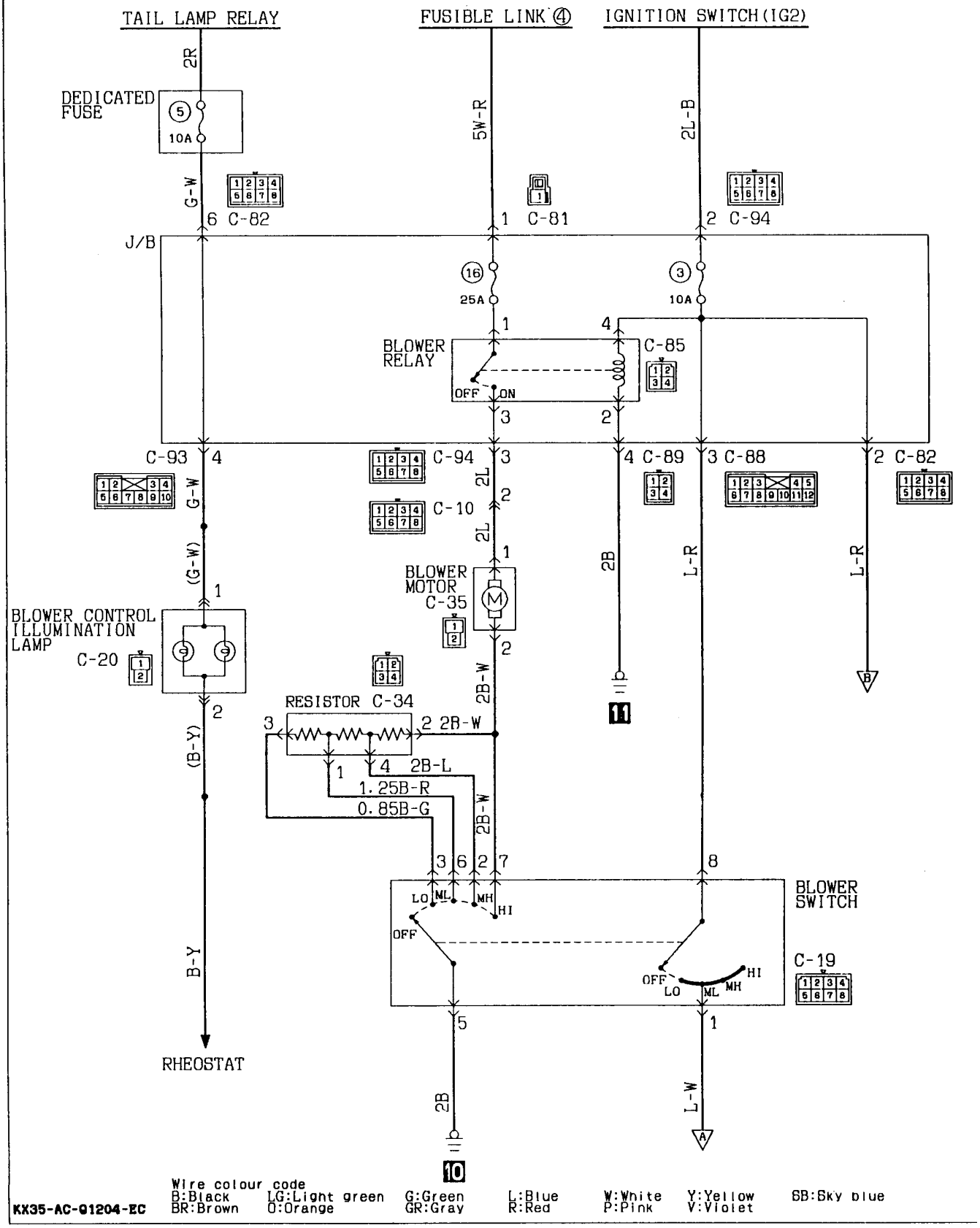
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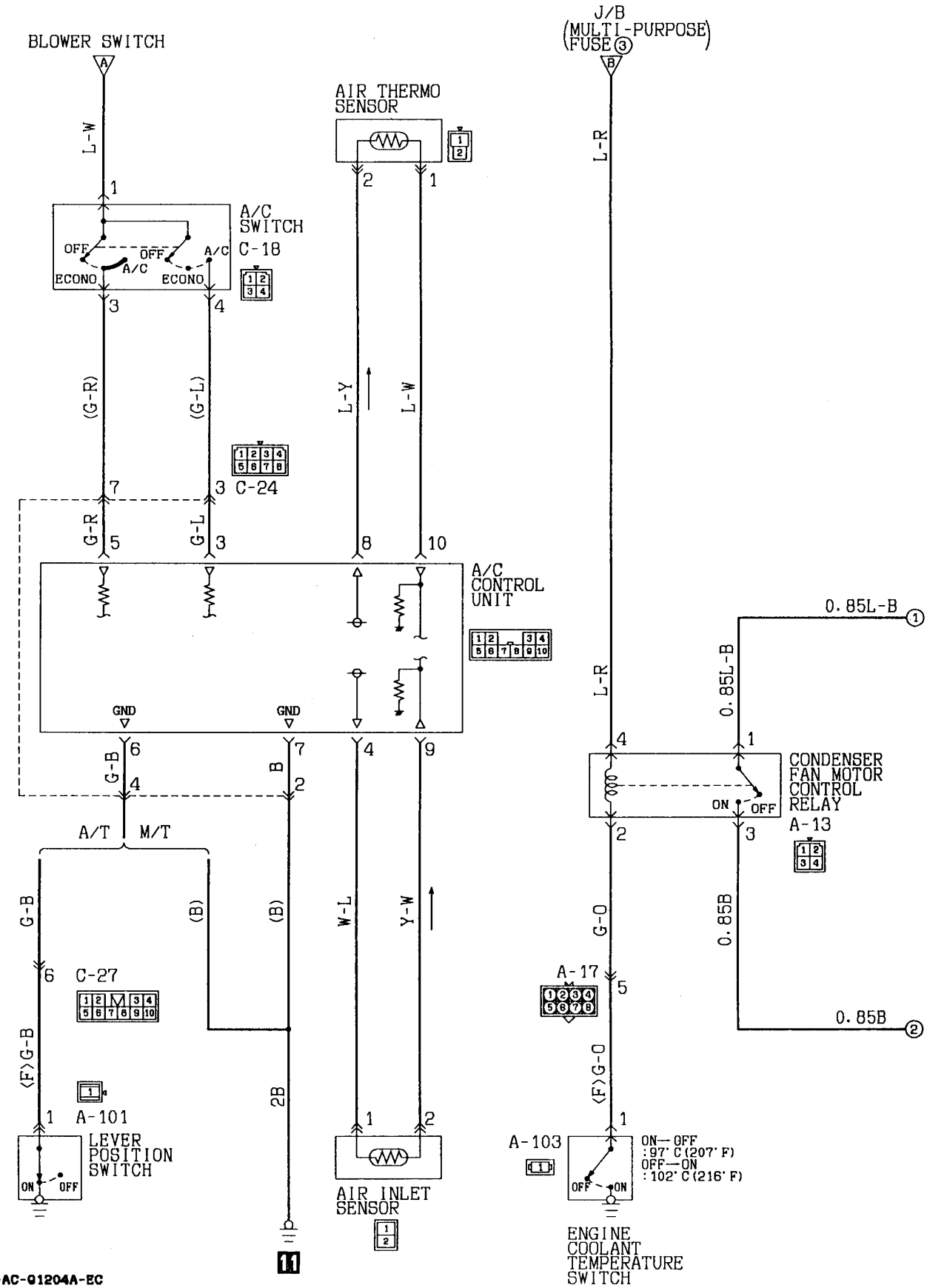
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24-2 Diesel-powerd vehicles



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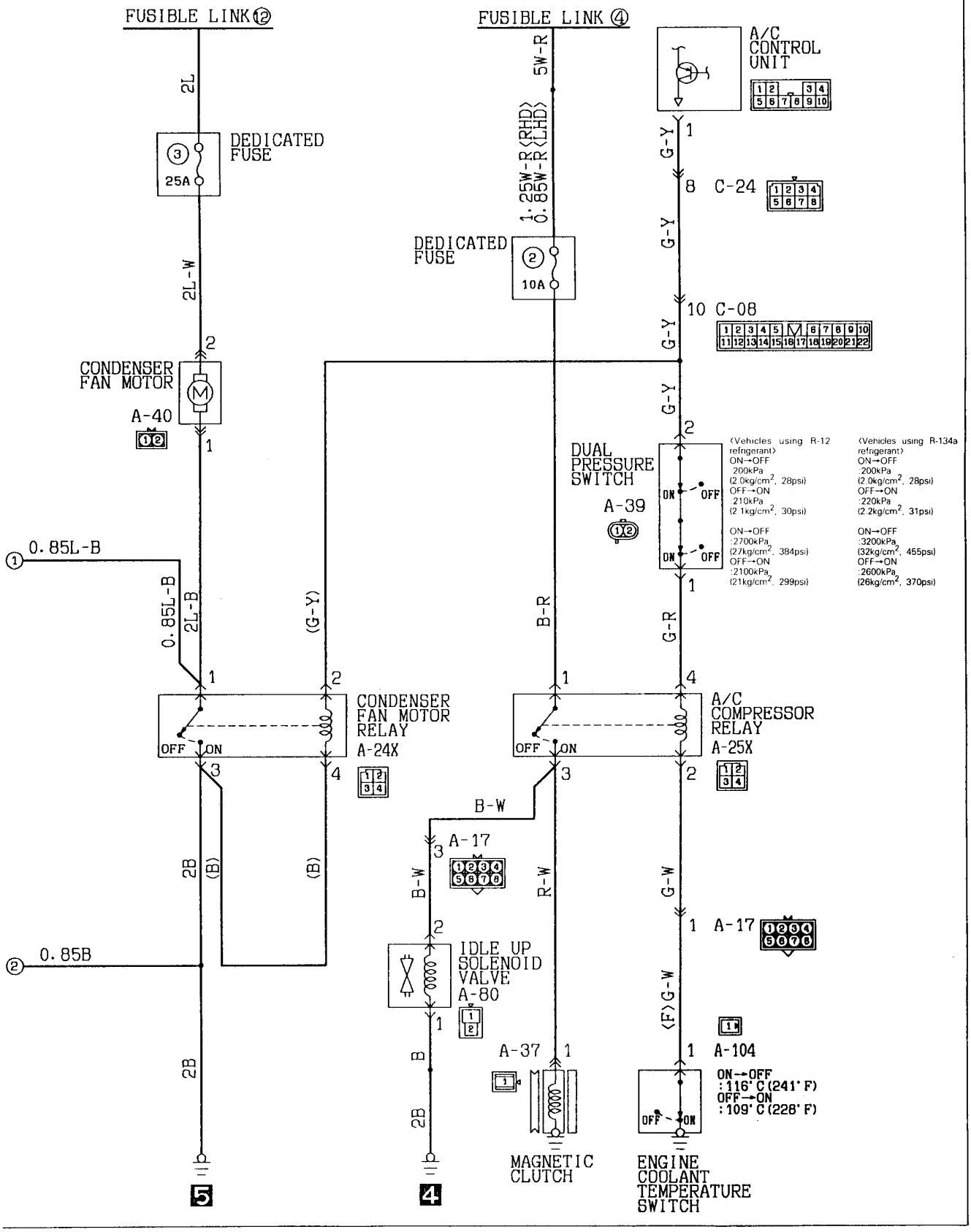
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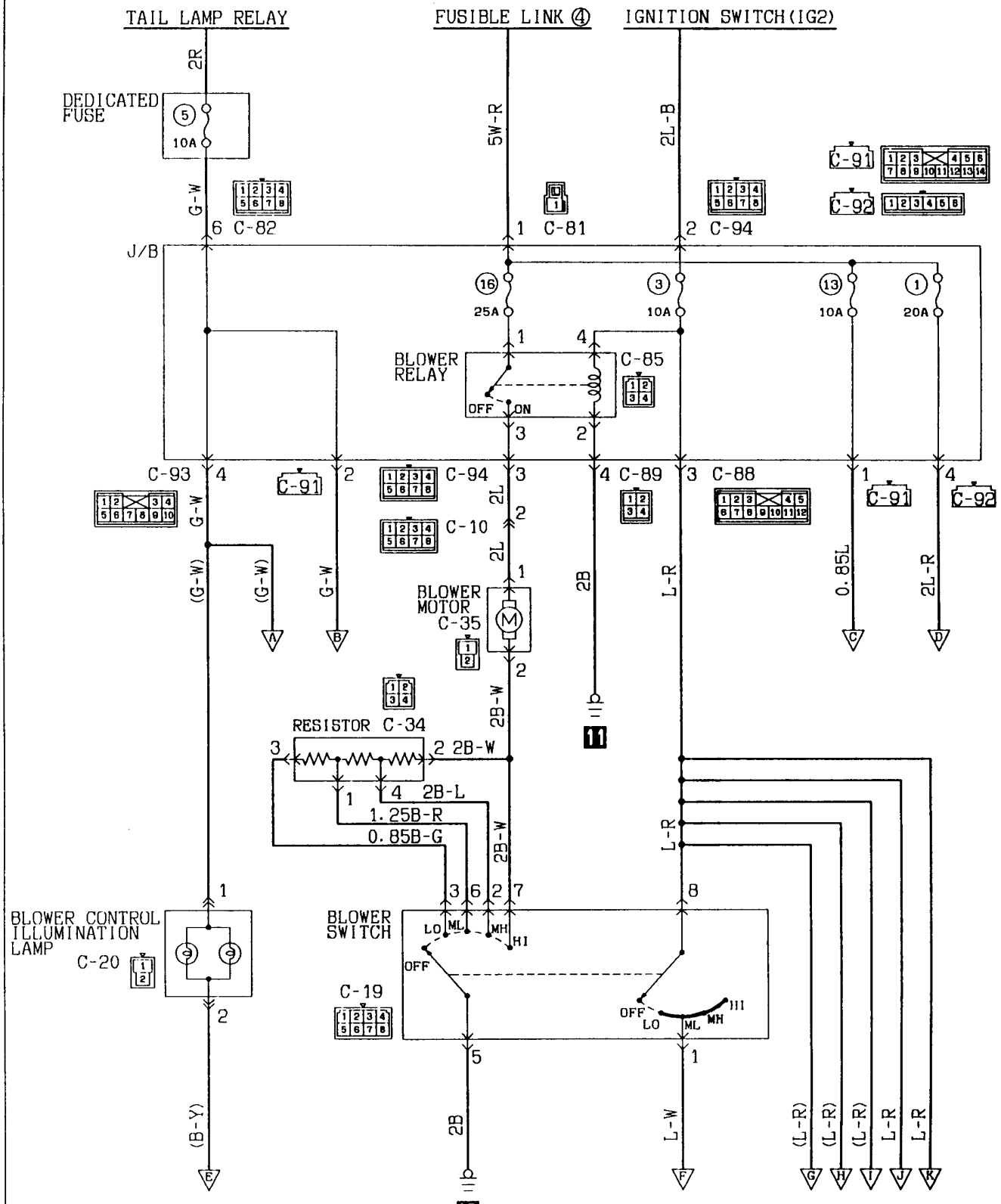


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25 DUAL AIR CONDITIONER

25-1 Petrol-powered vehicles with rear heater

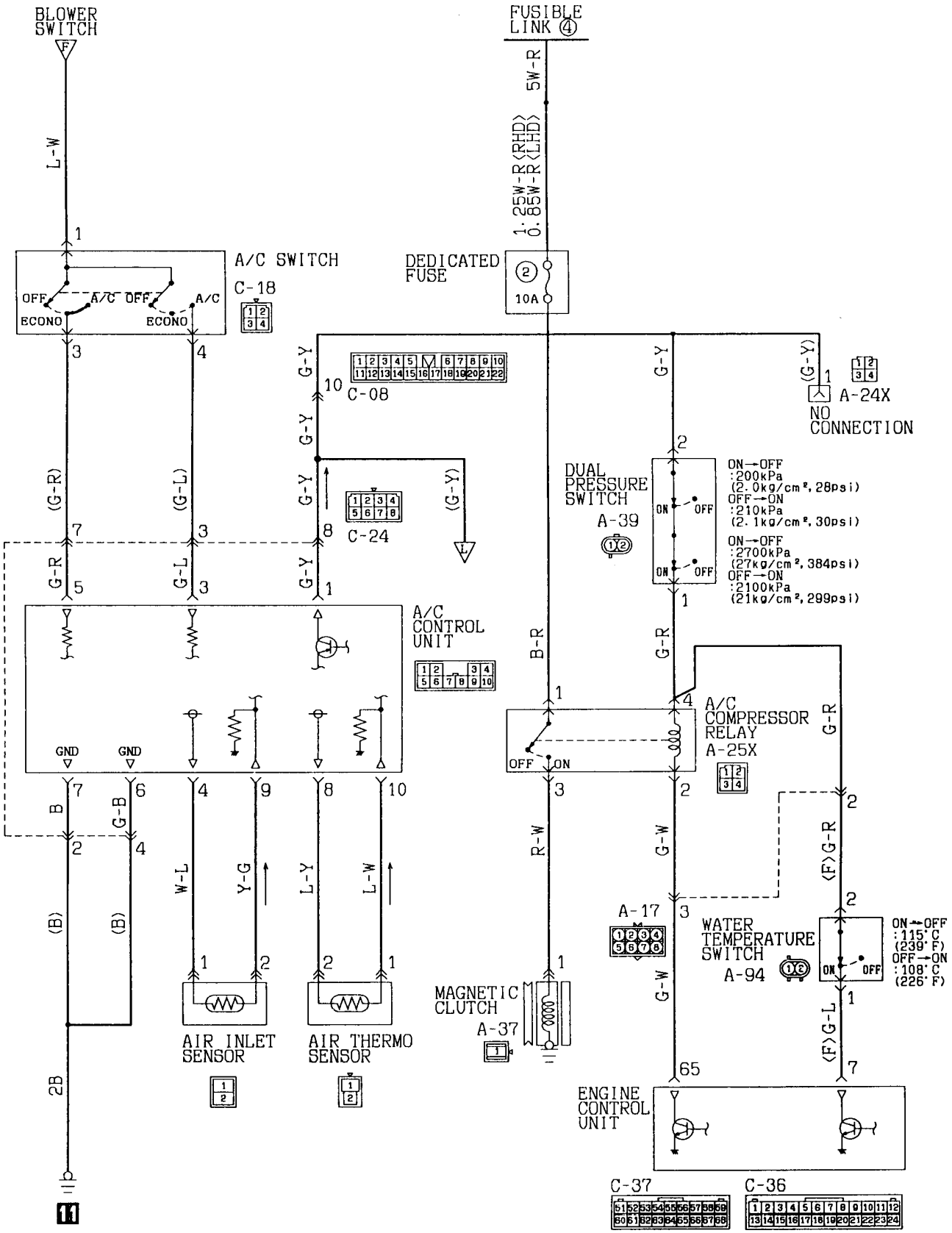


Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

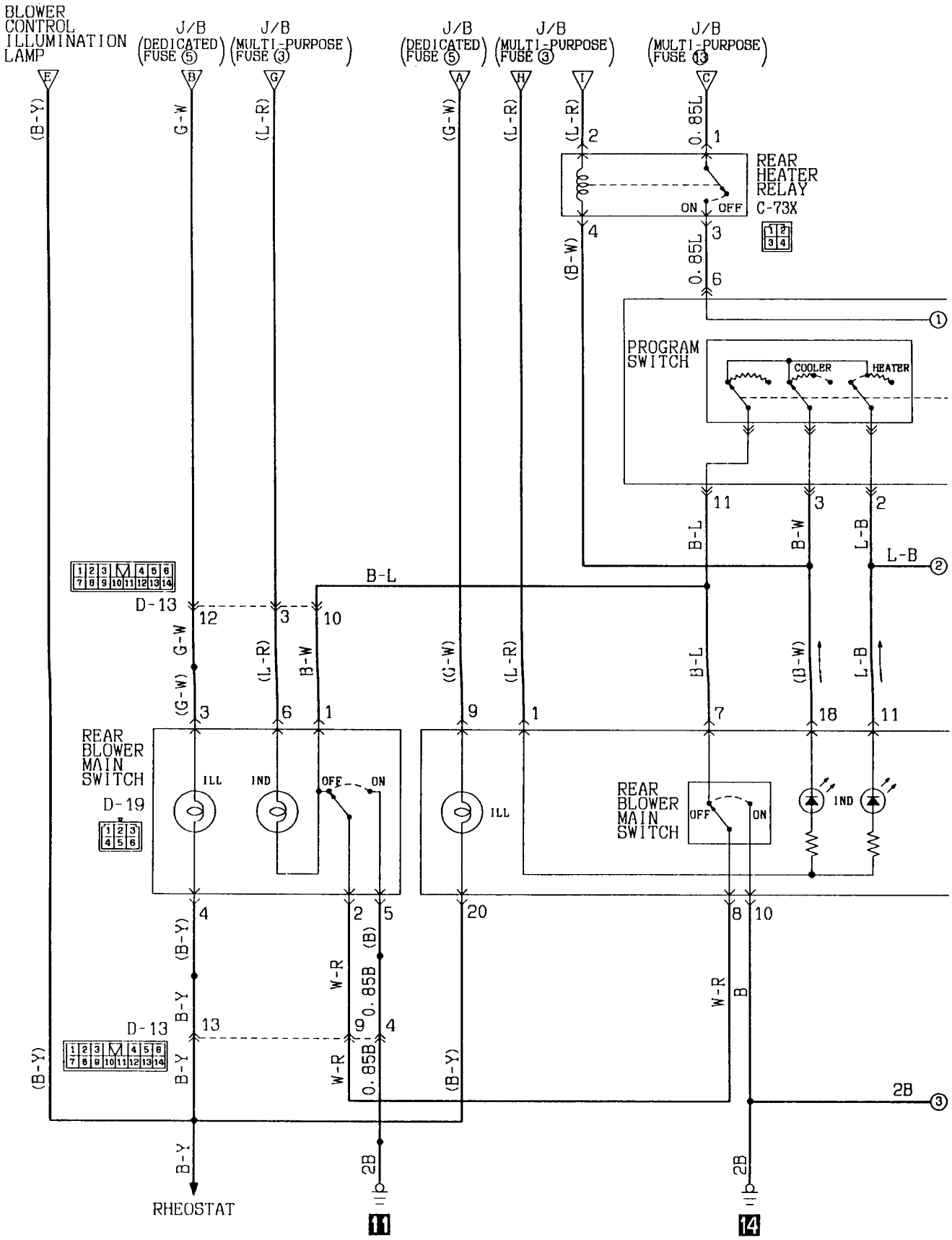
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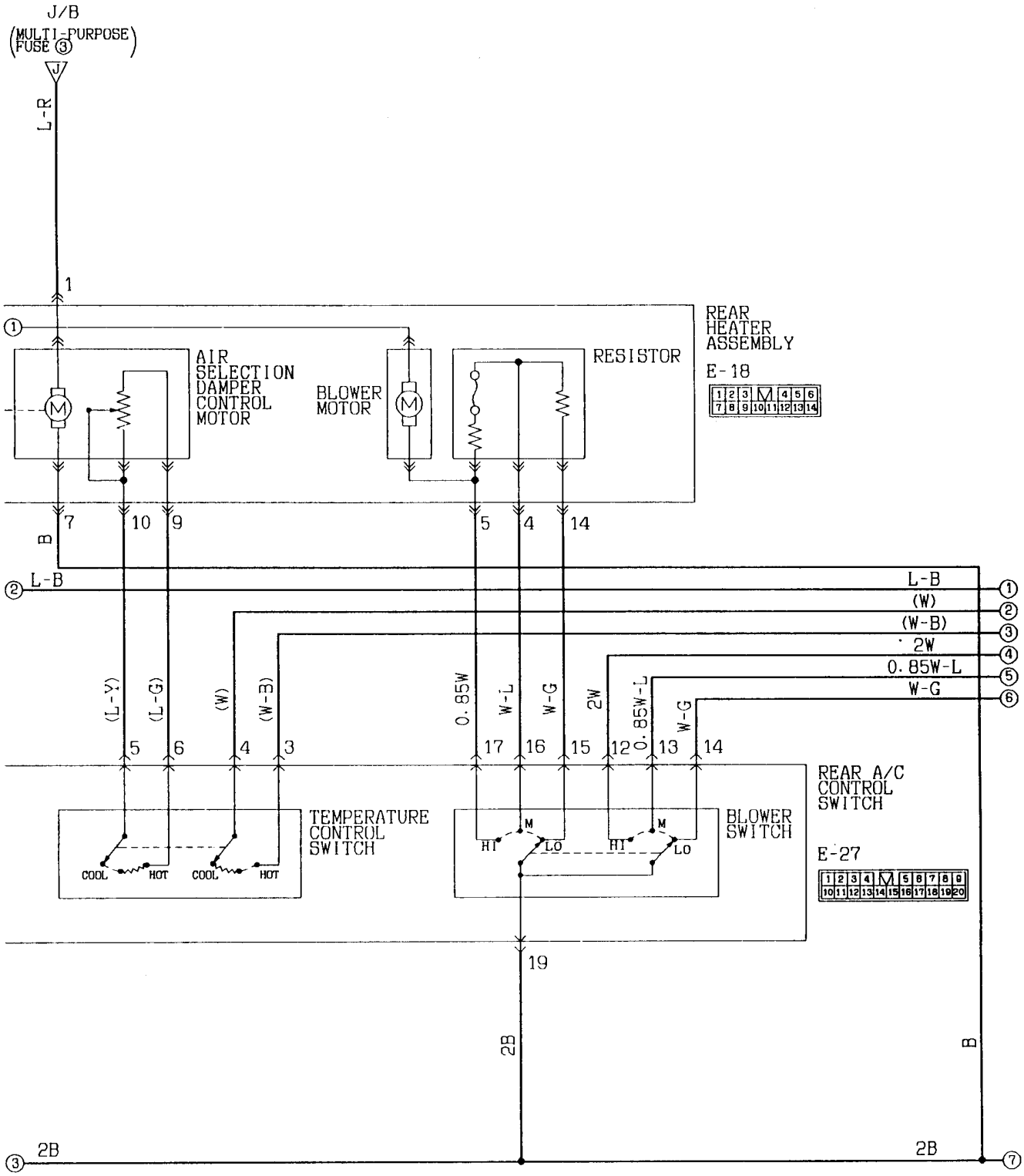
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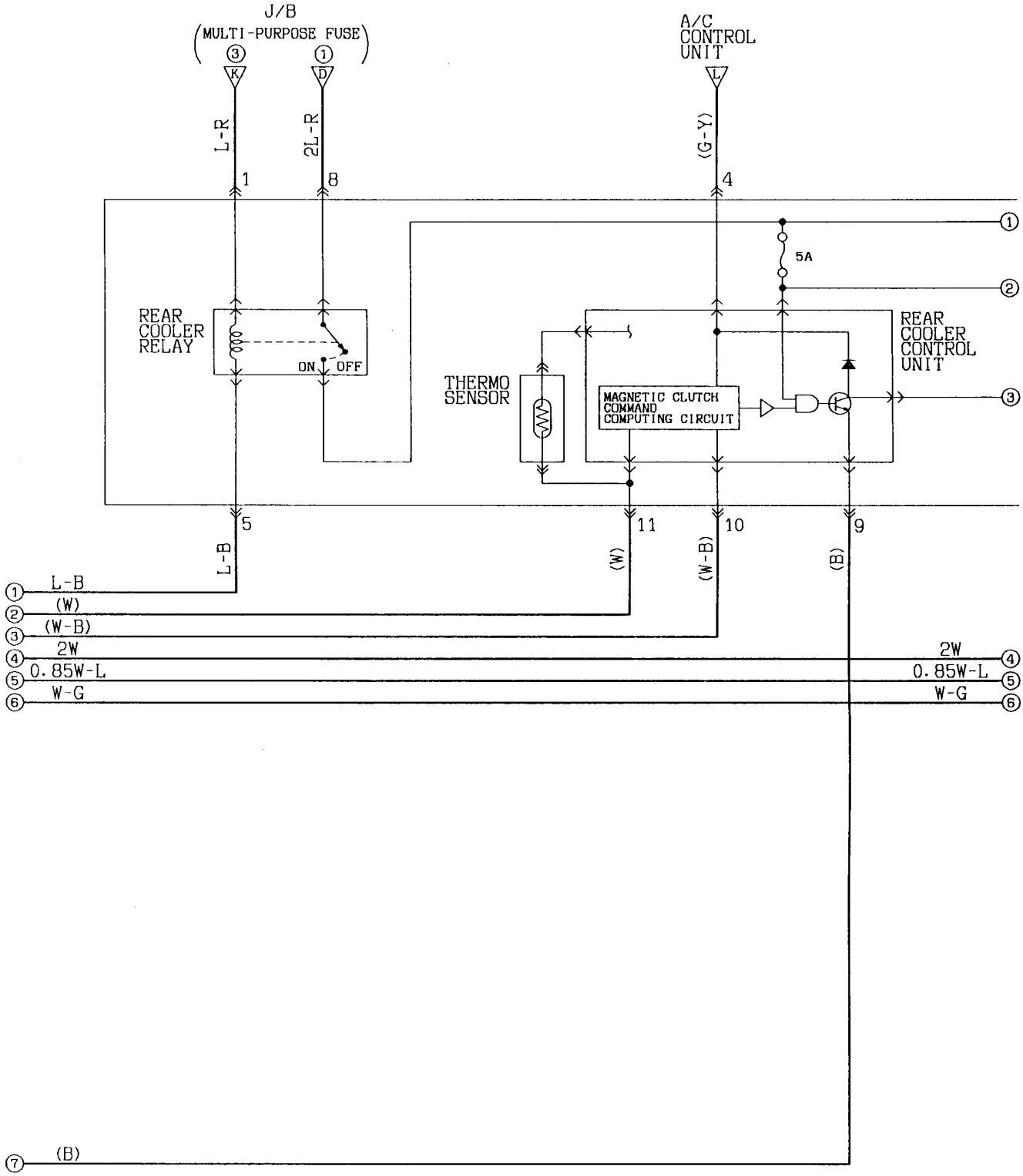


Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

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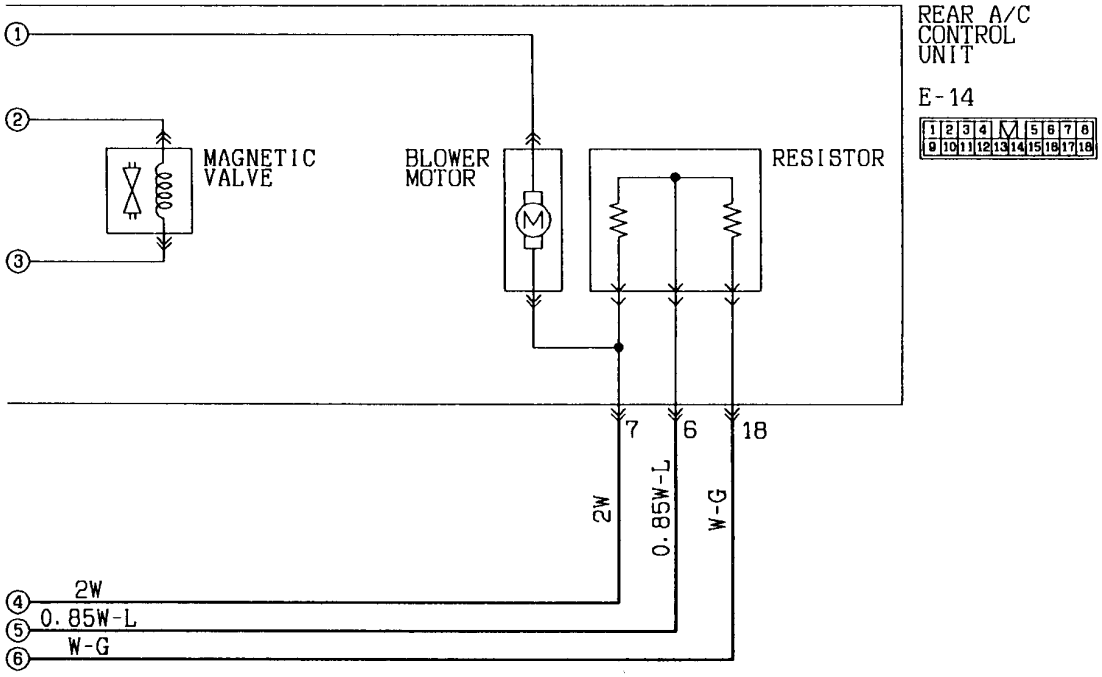
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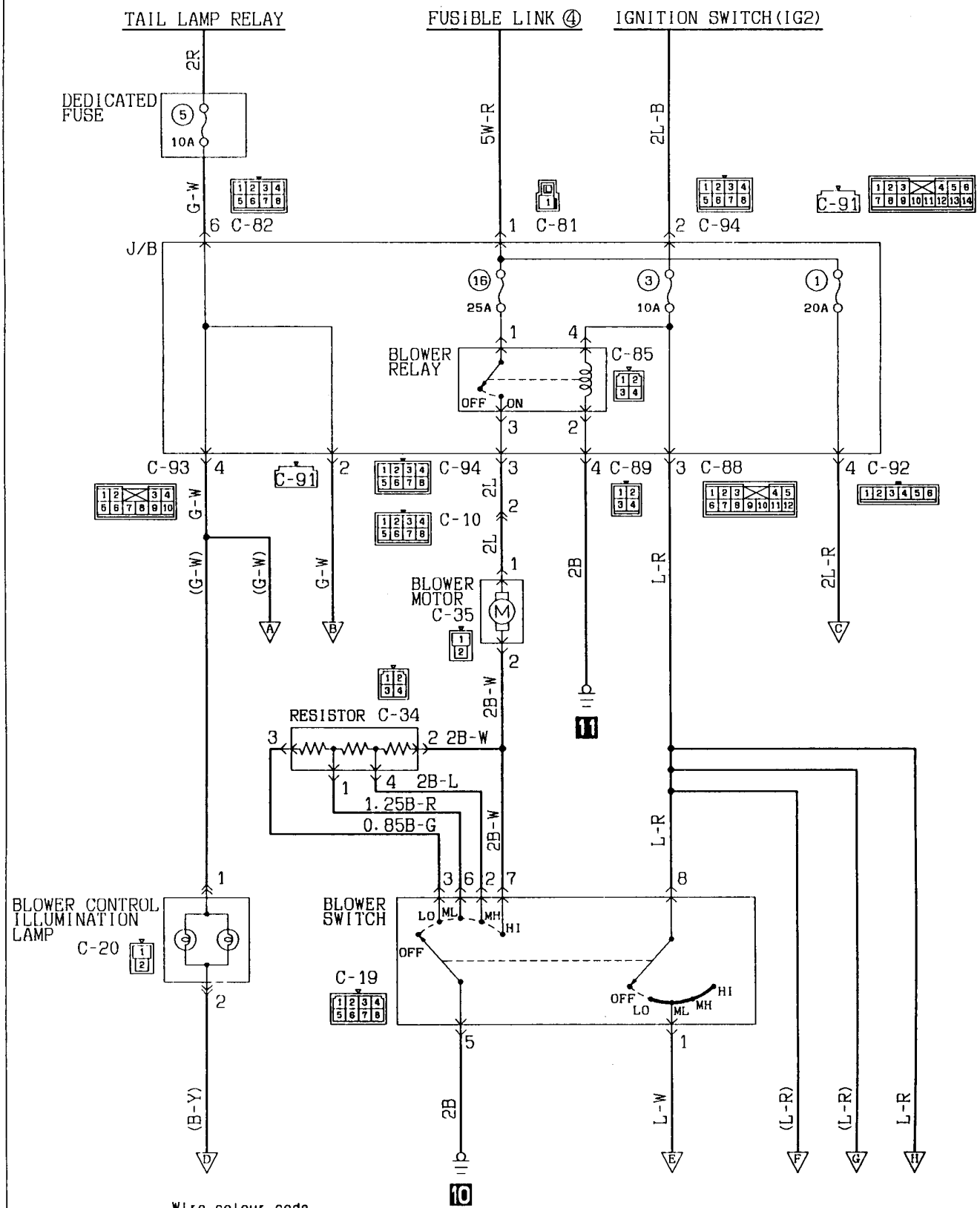
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25-2 Petrol-powered vehicles without rear heater



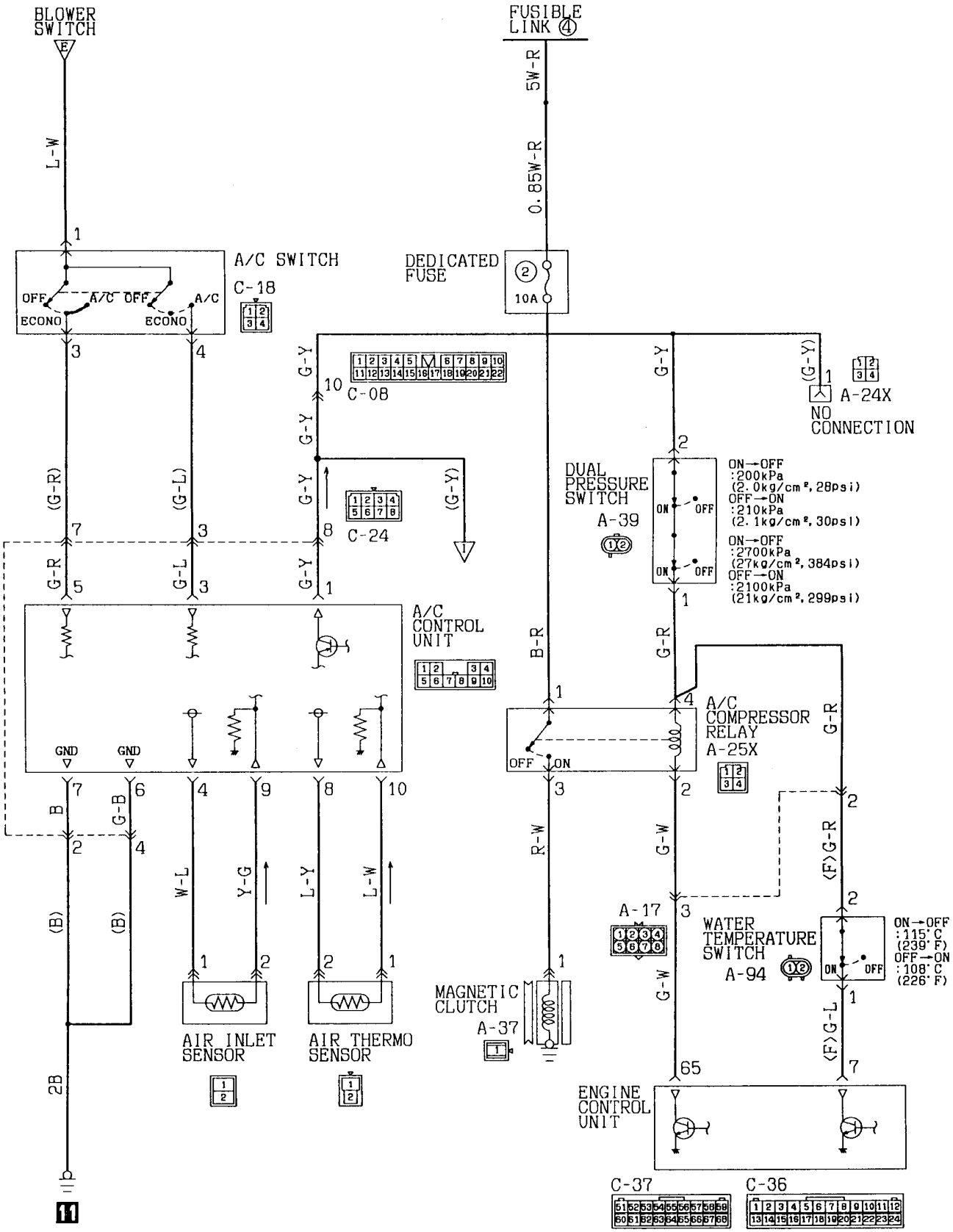
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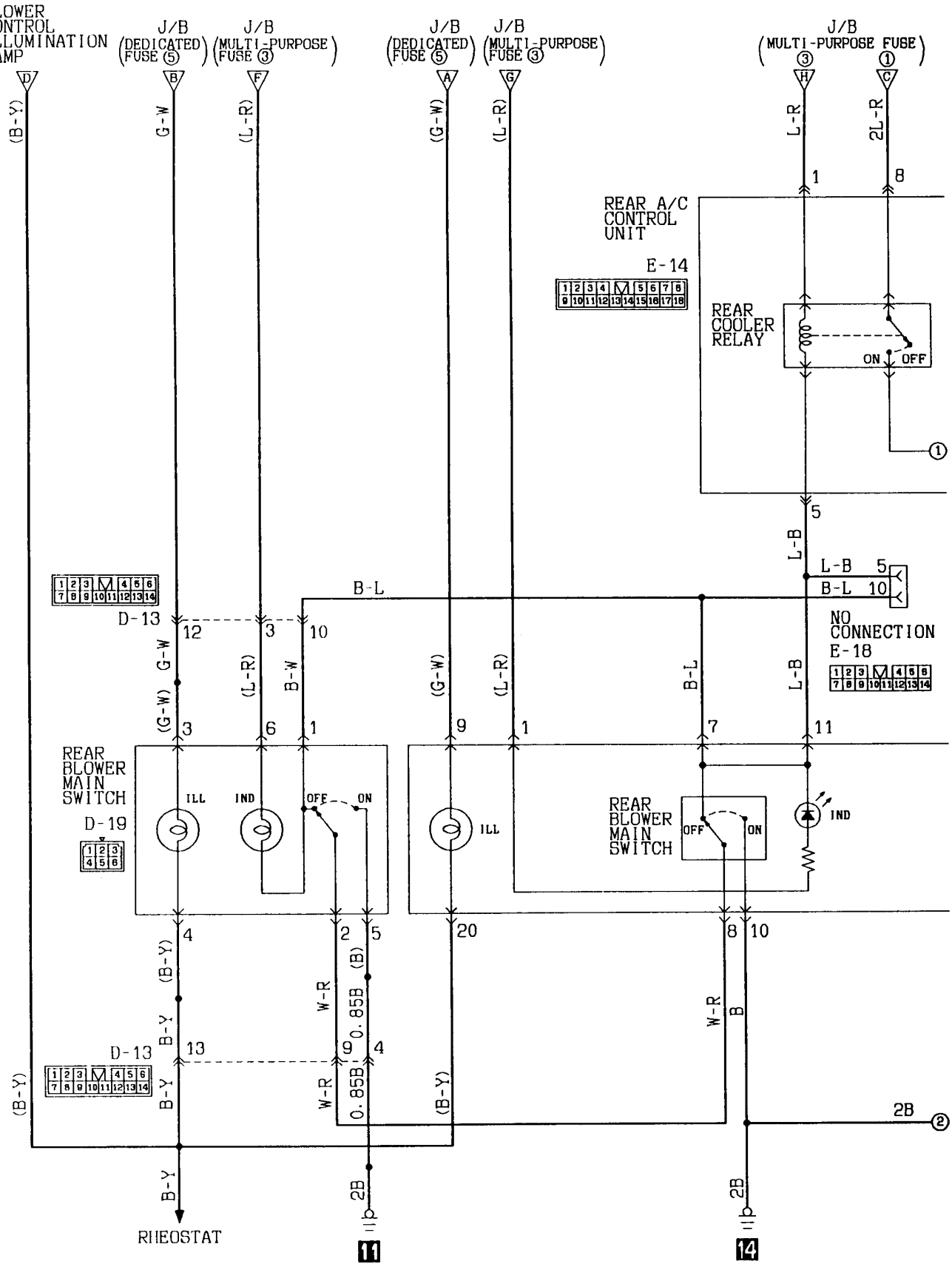
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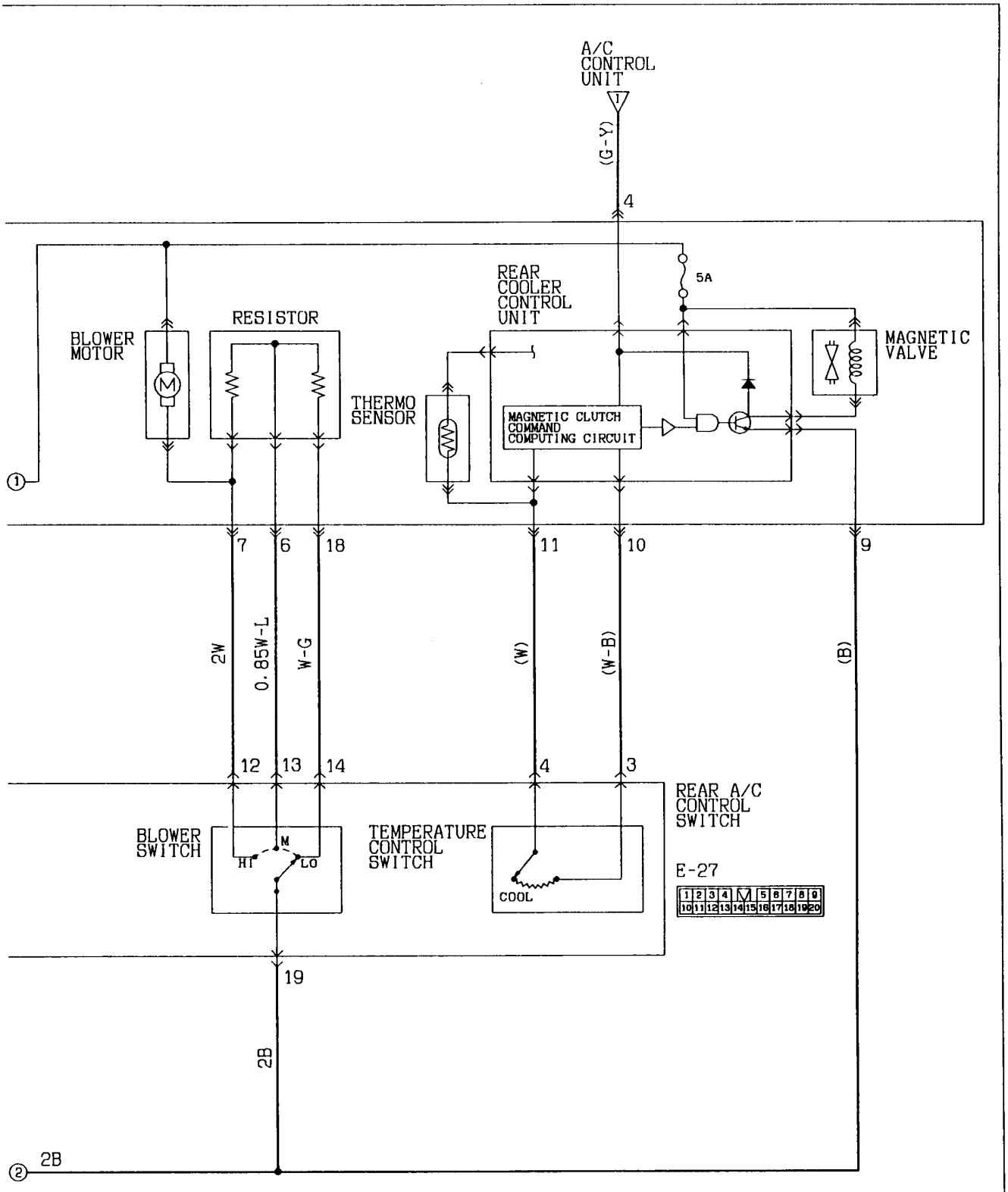
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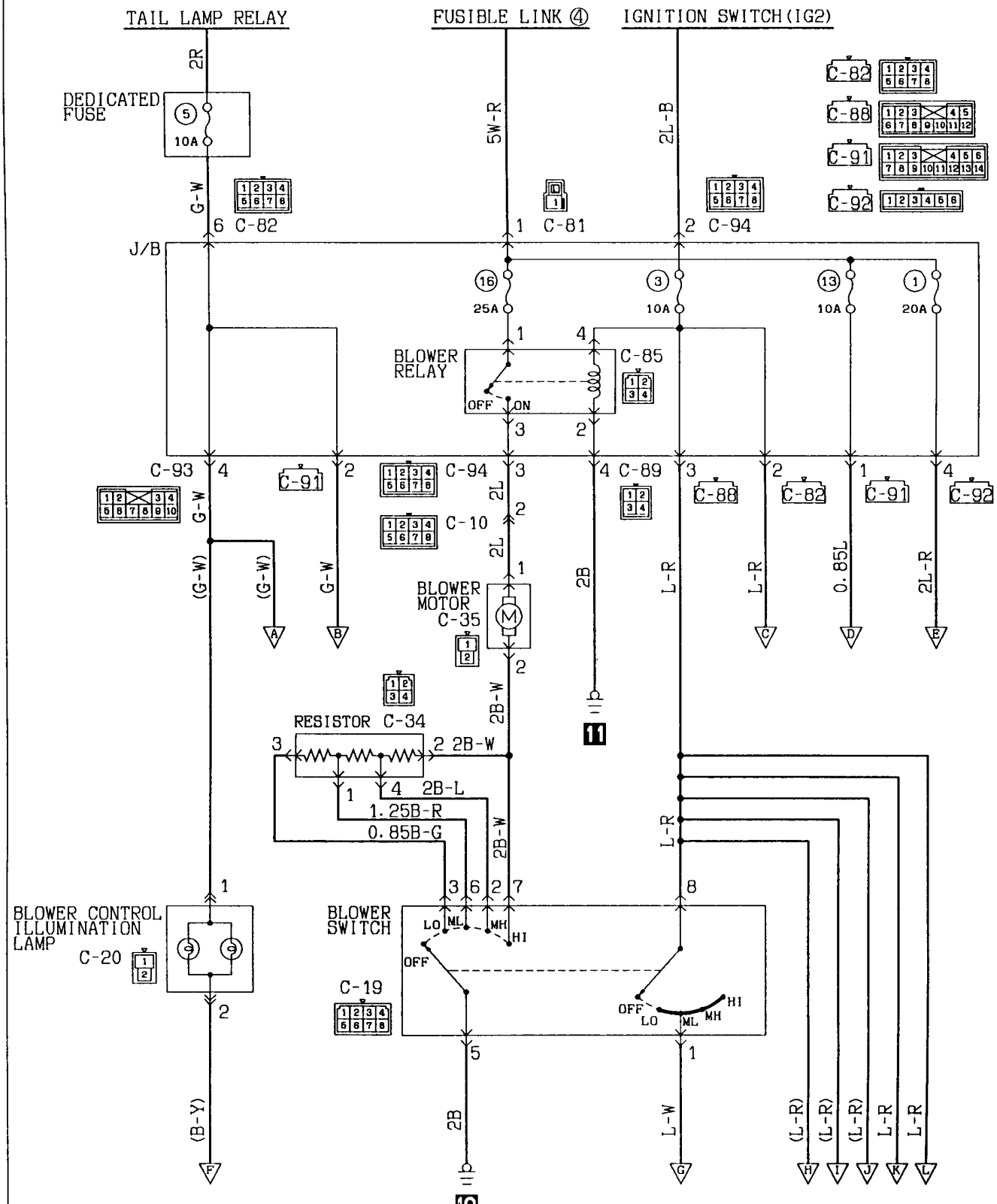
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25-3 Diesel-powerd vehicles with rear heater



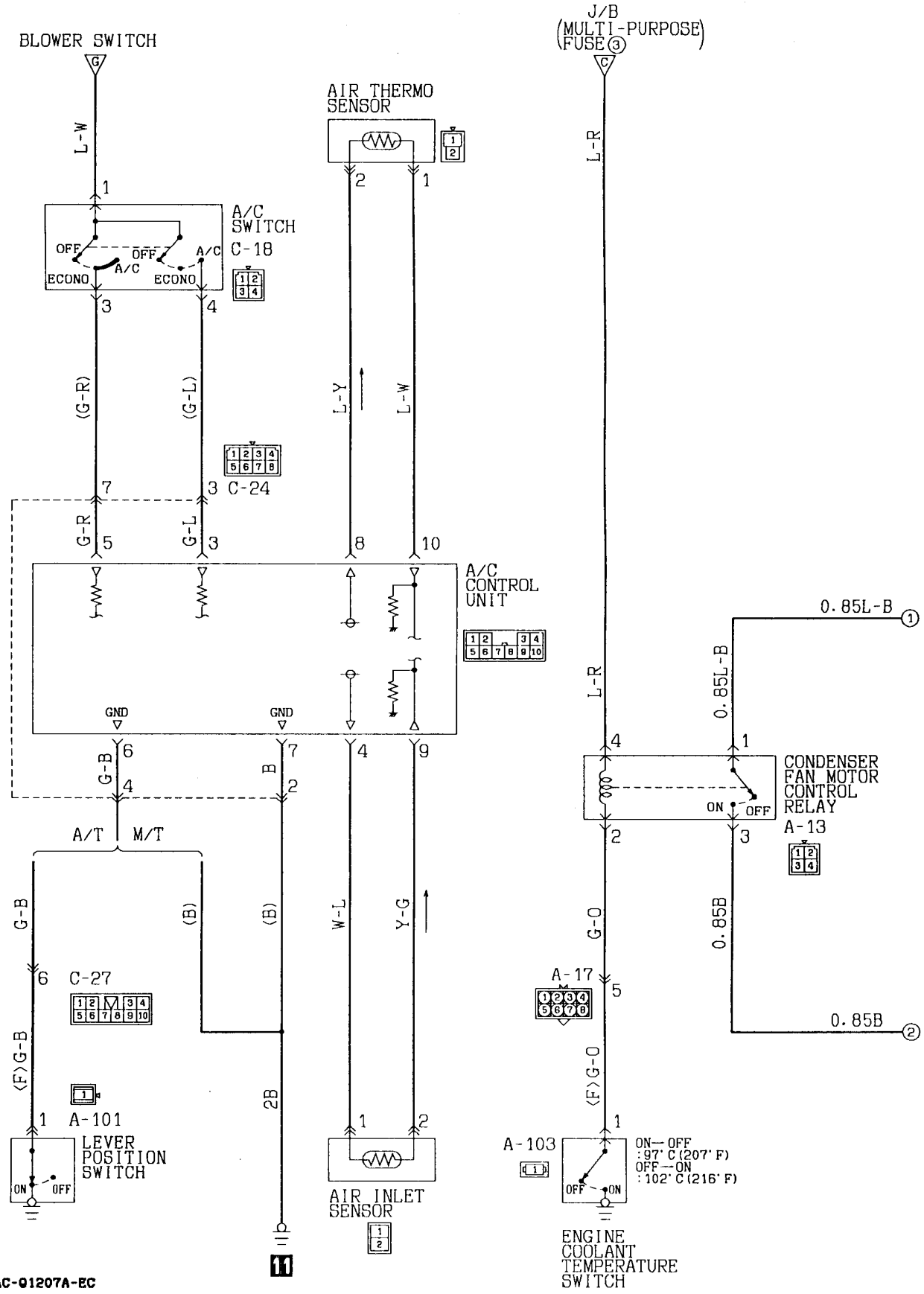
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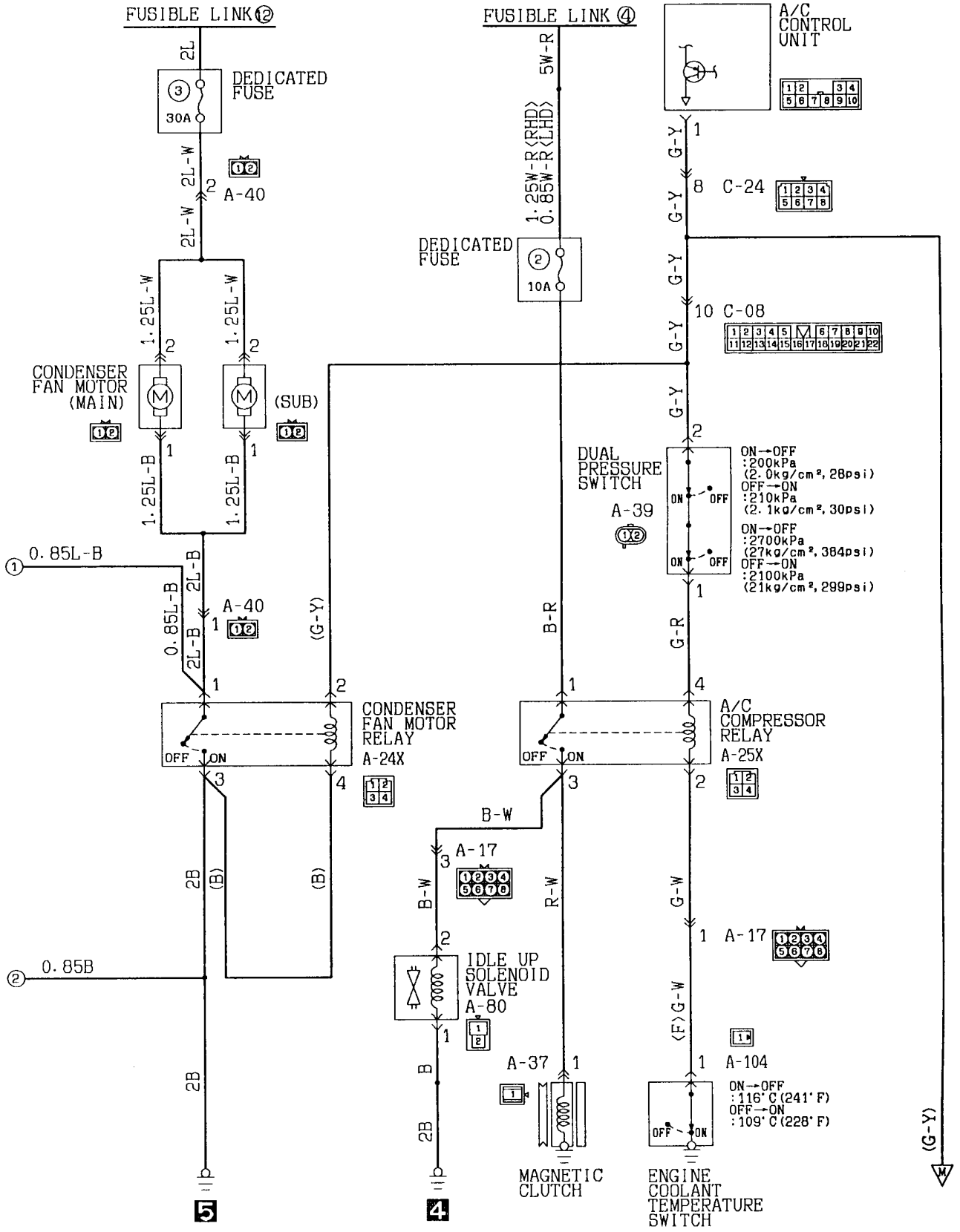
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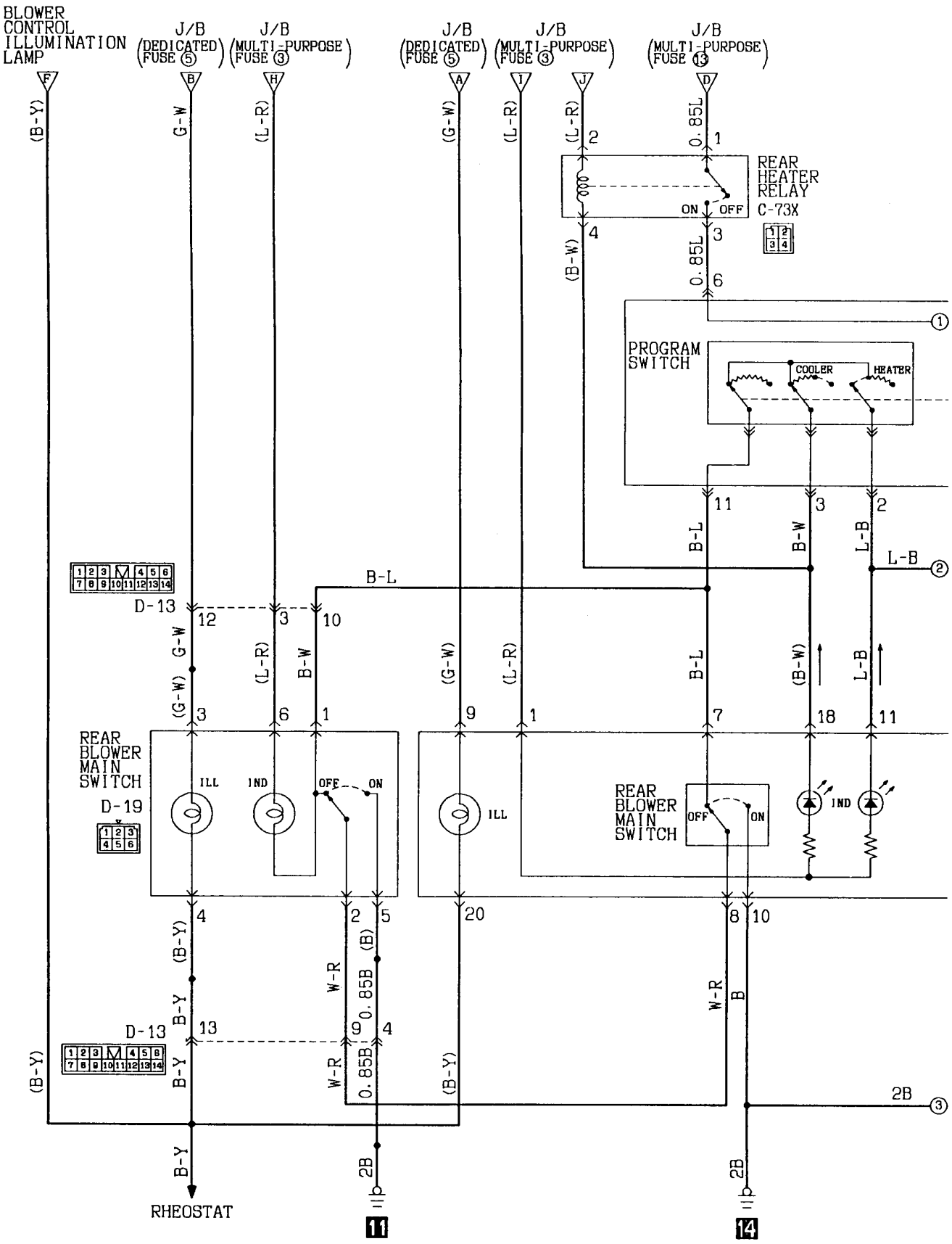
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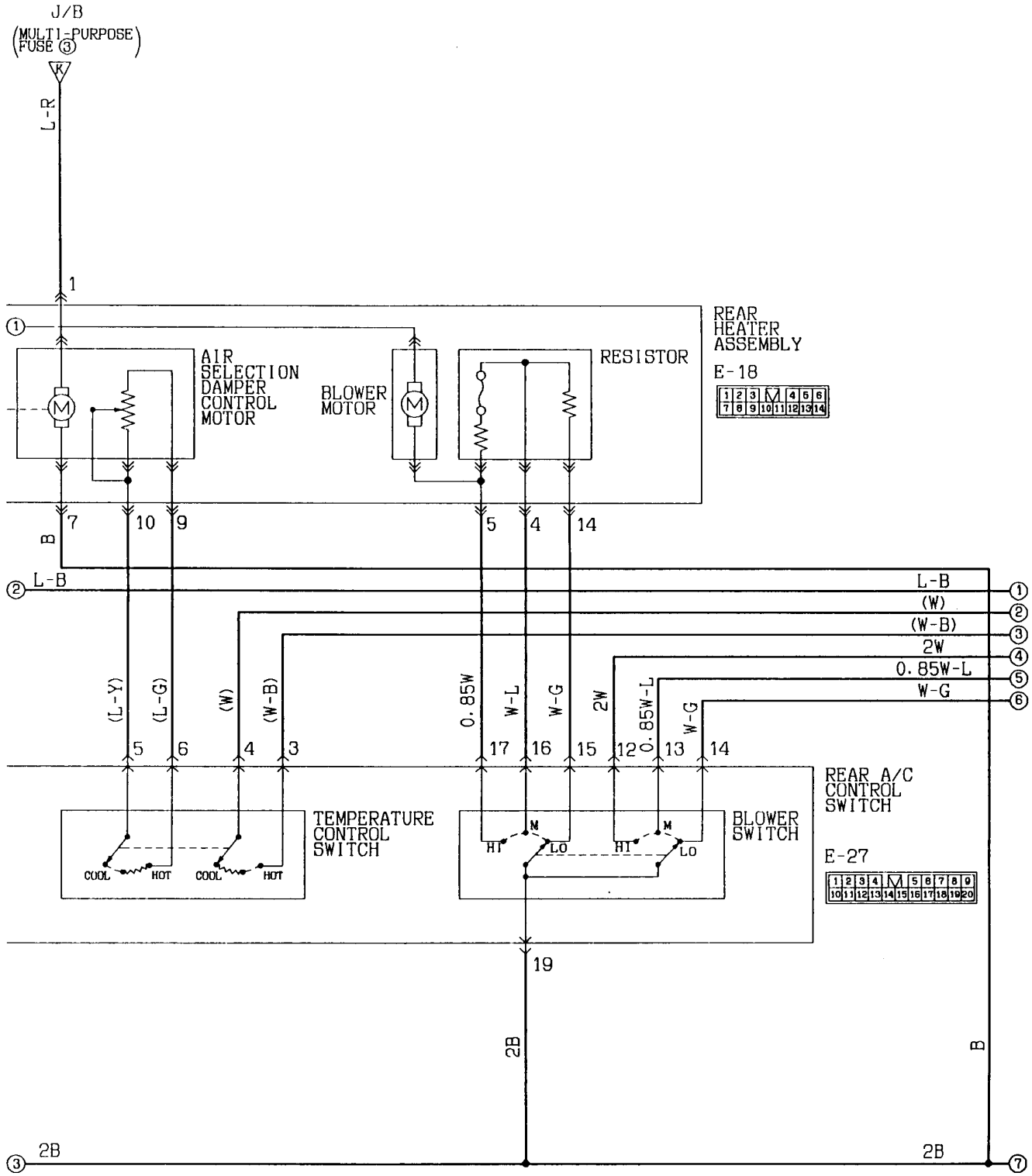
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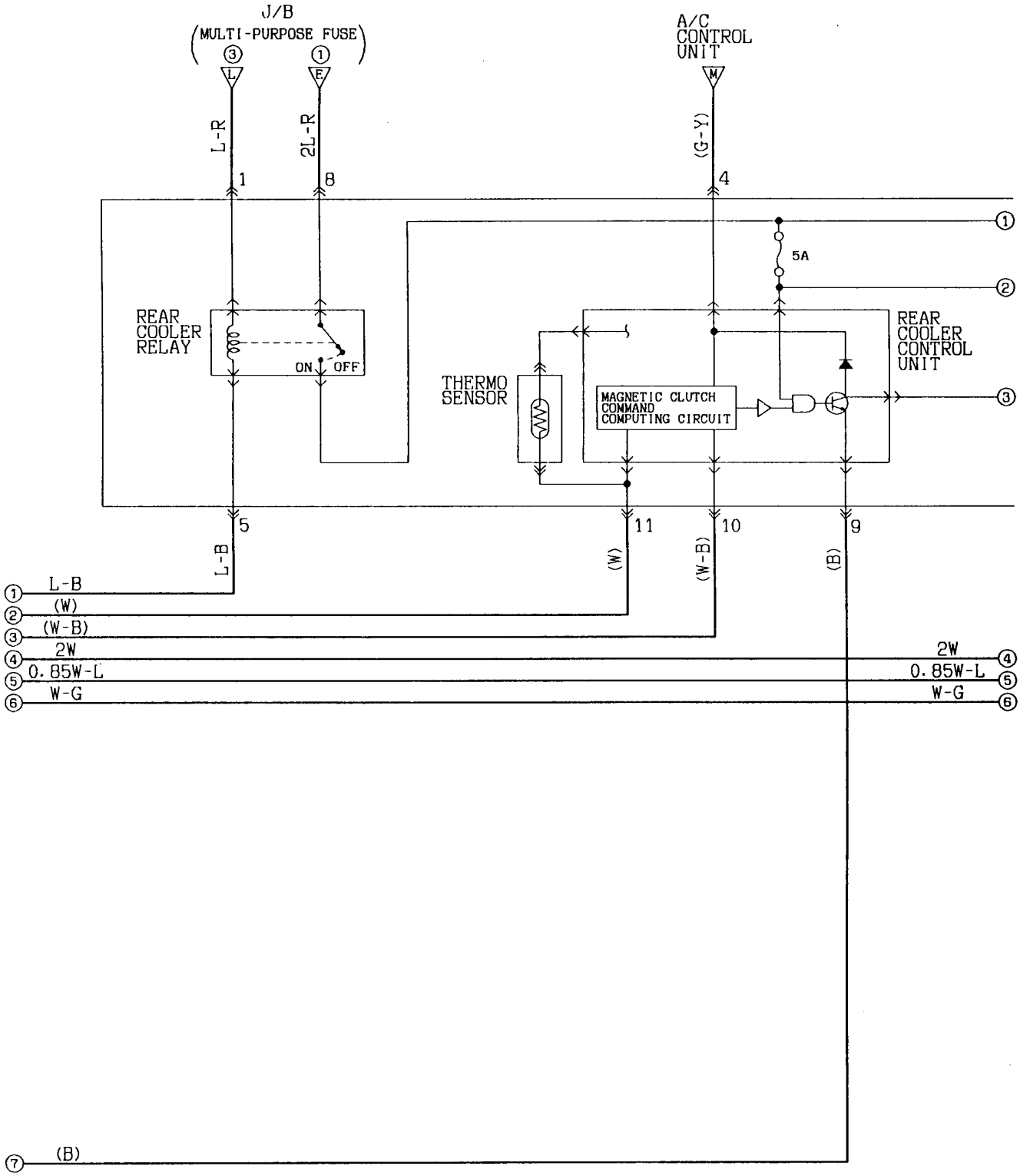


Wire colour code

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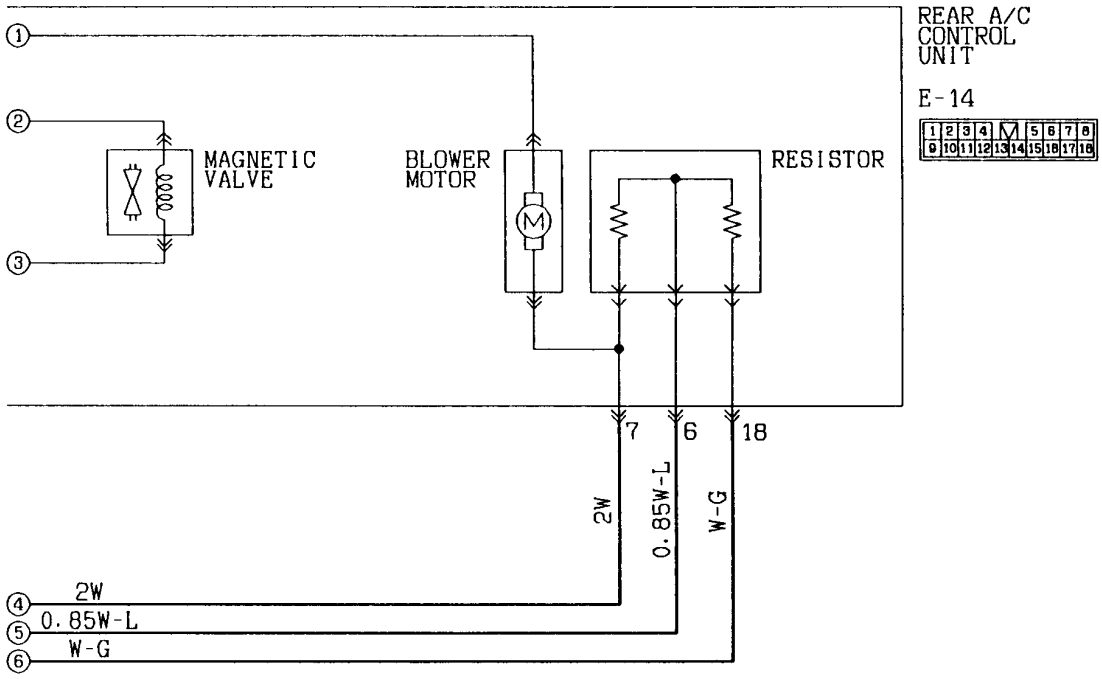
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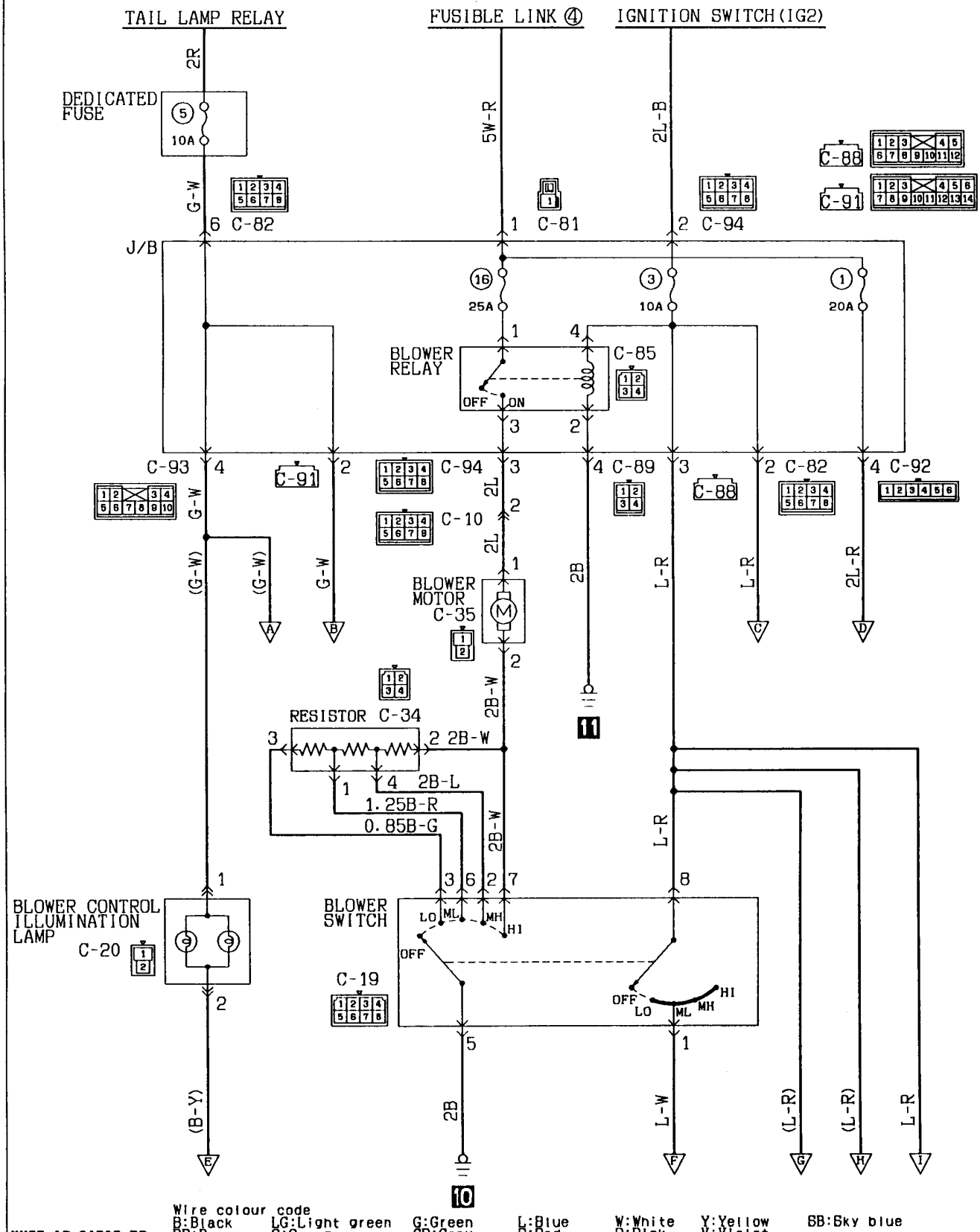
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25-4 Diesel-powered vehicles without rear heater

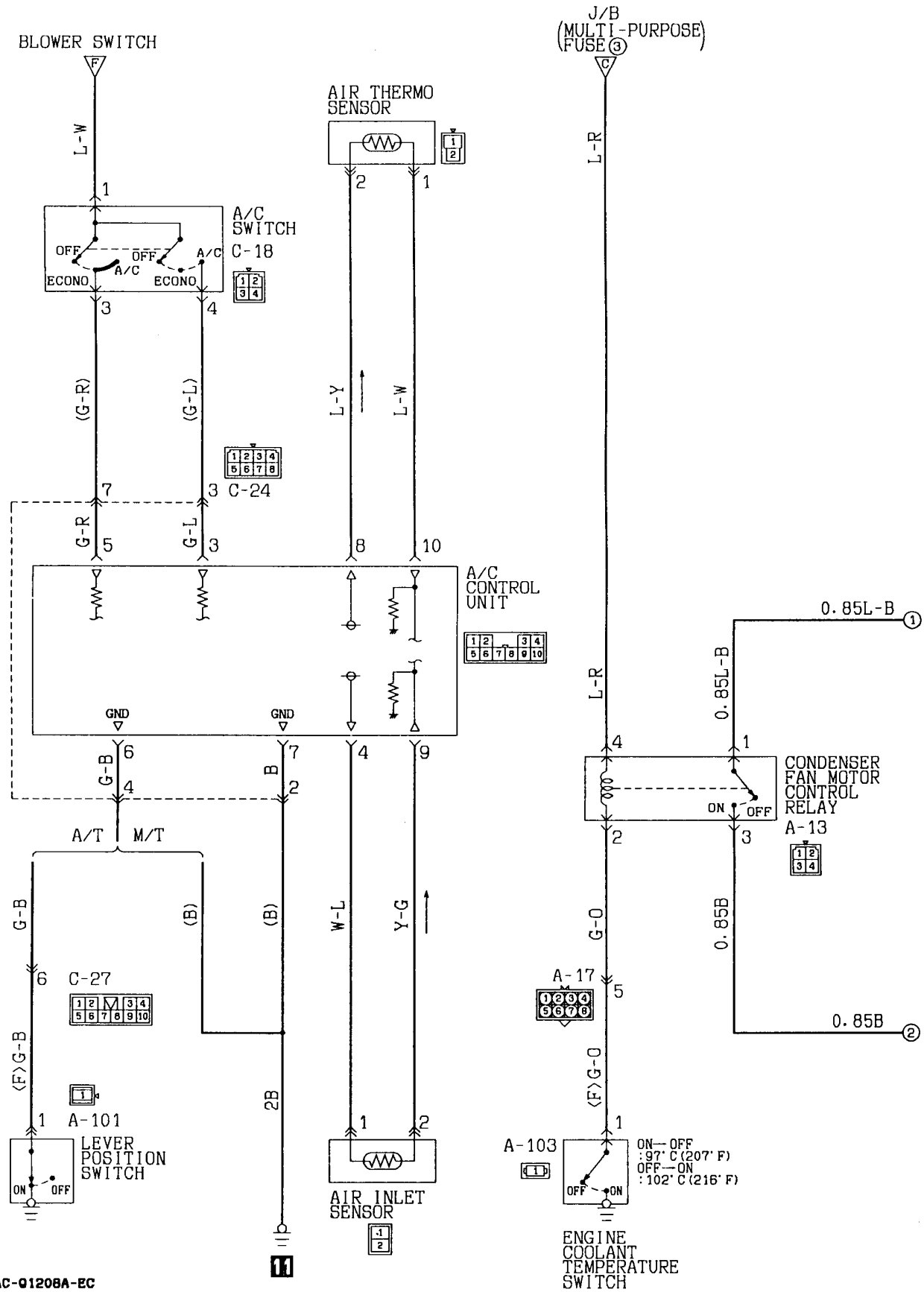


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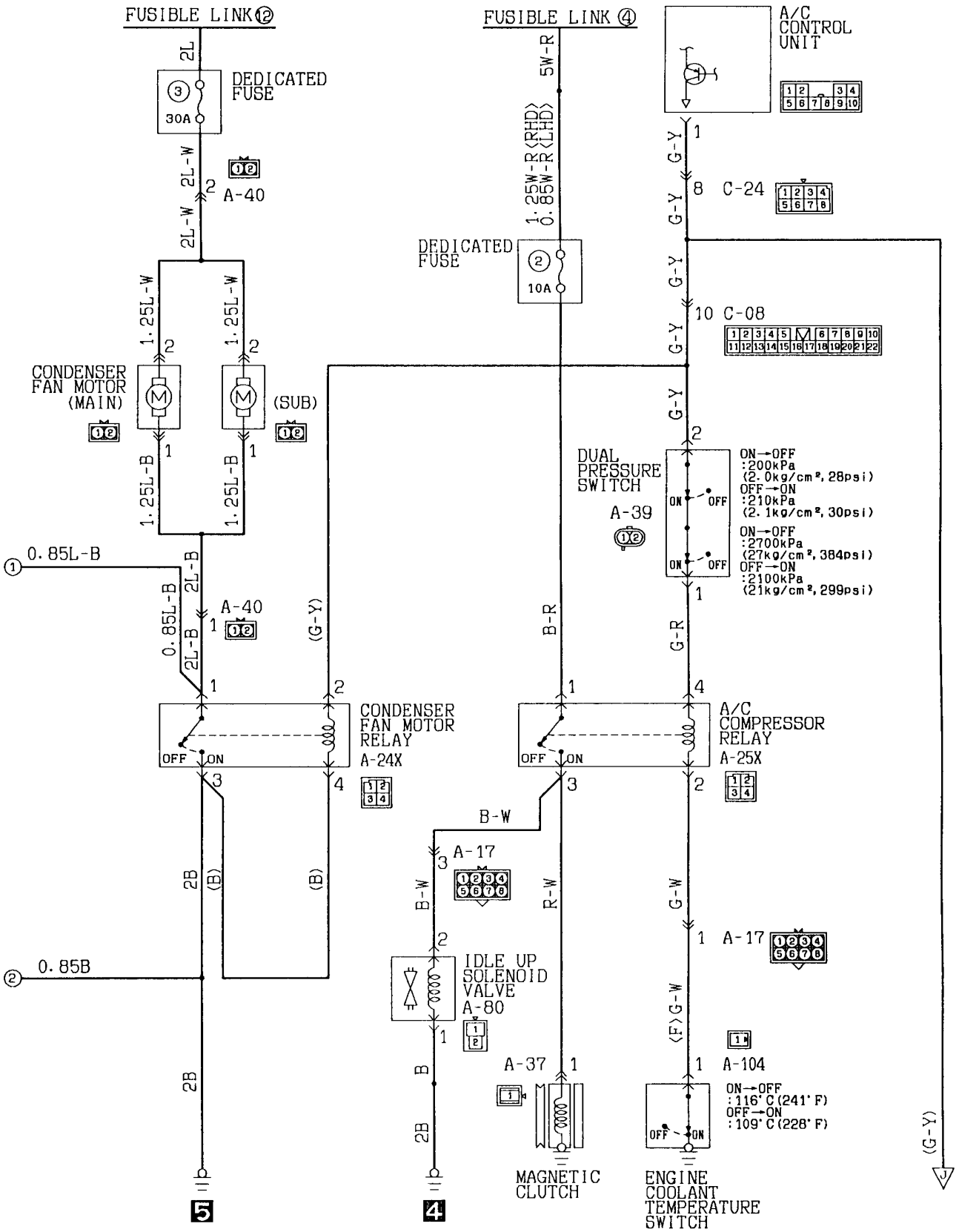
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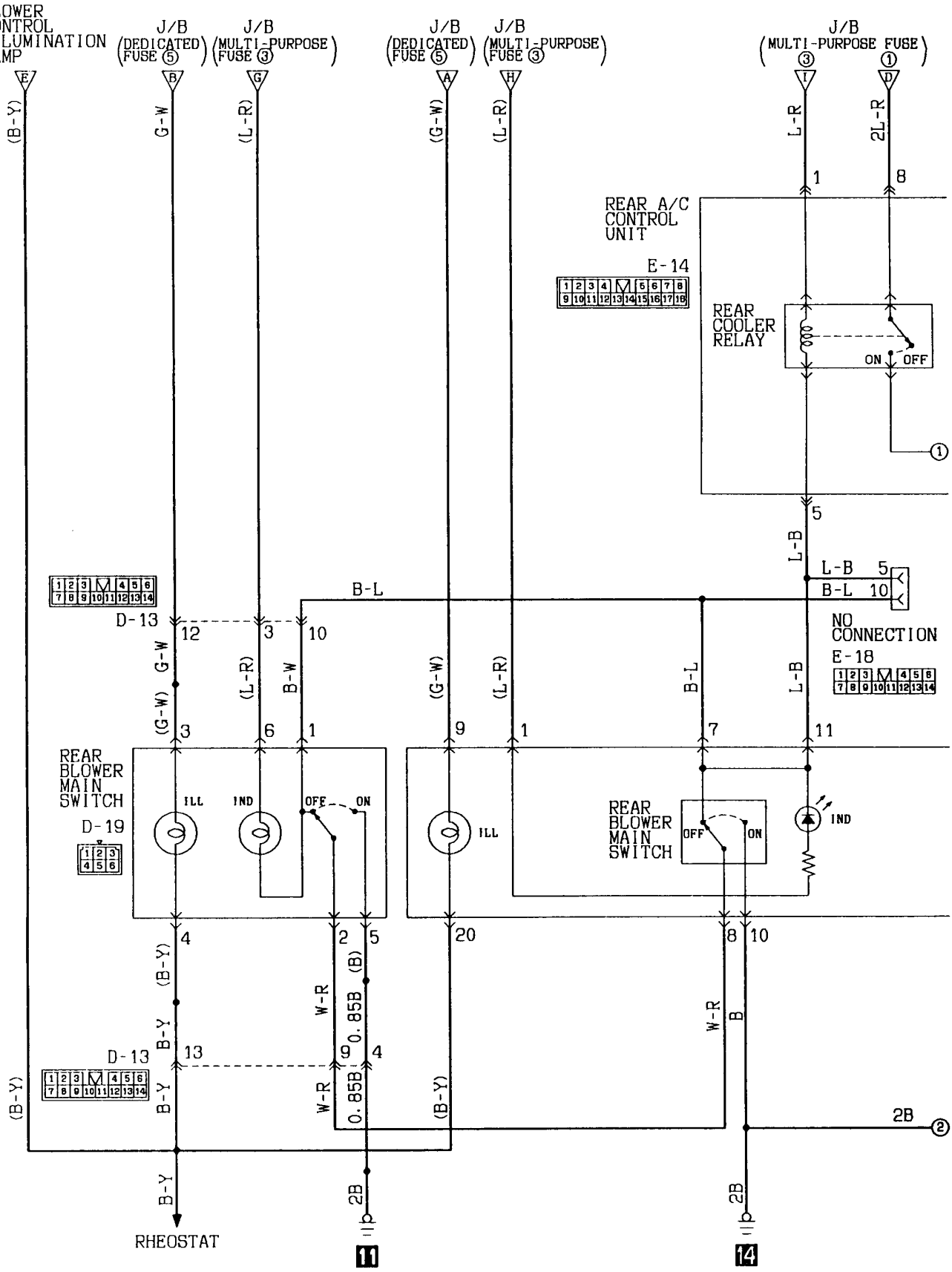
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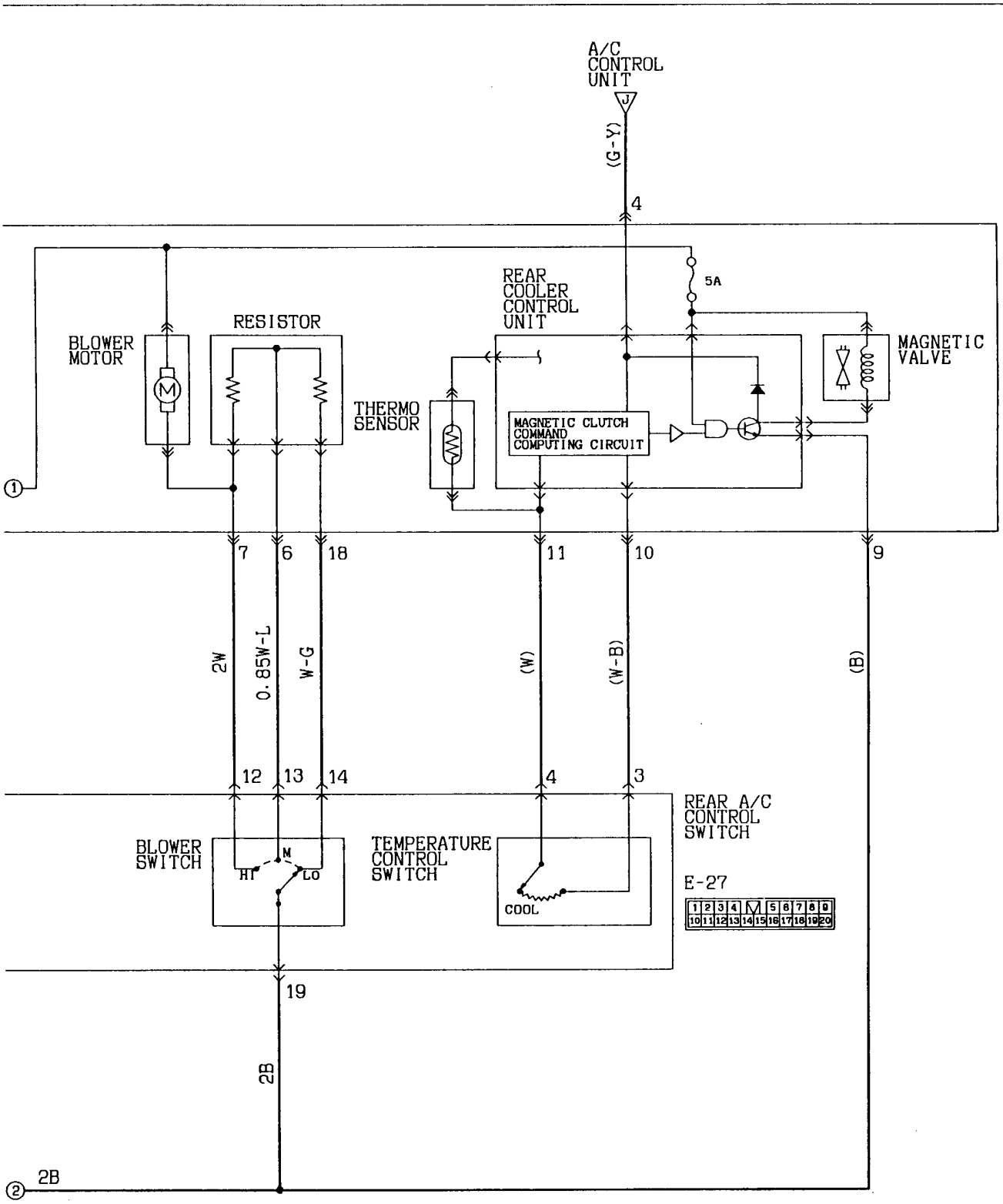
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Wire colour code

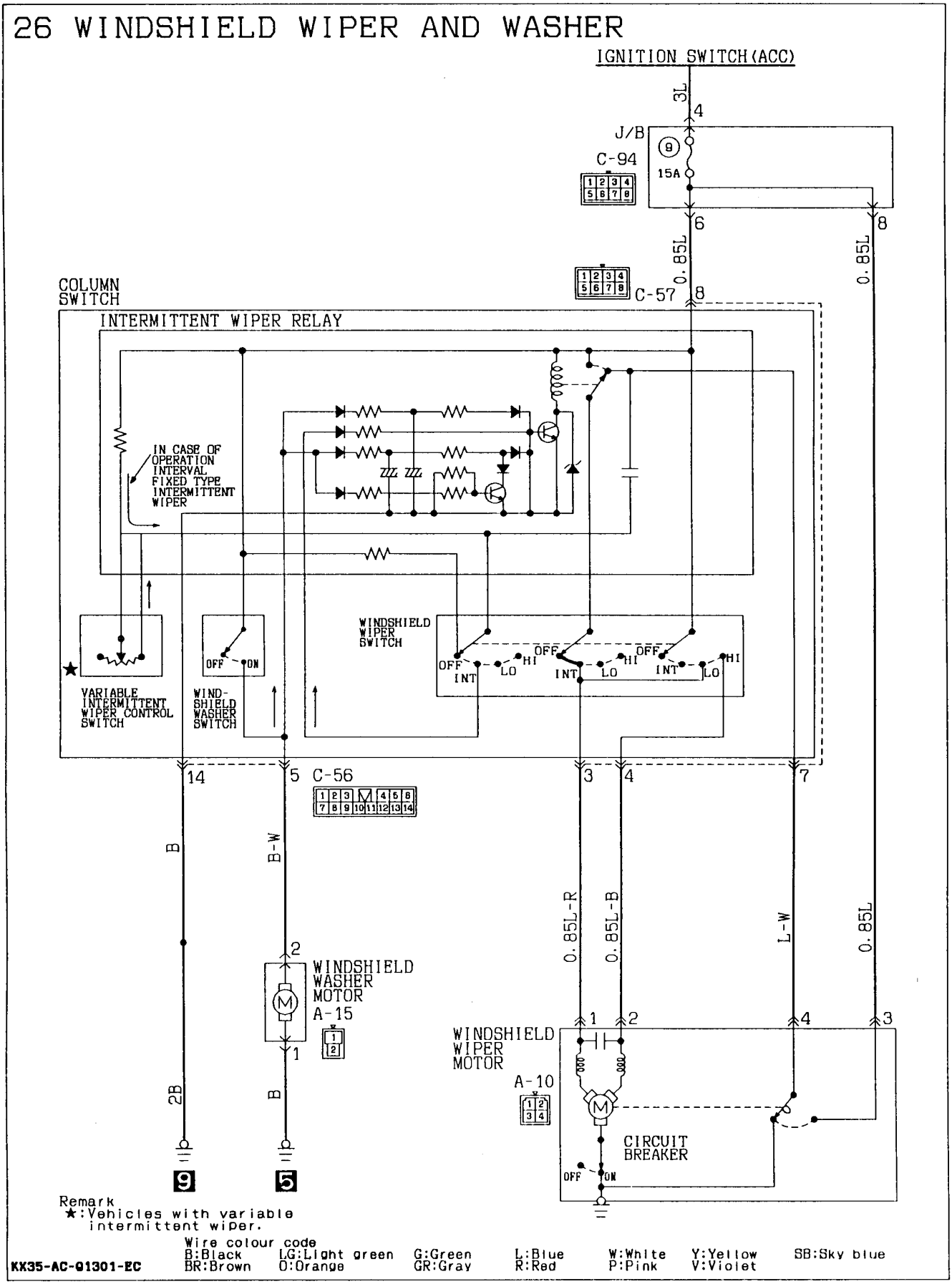
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue
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NOTES

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WINDSHIELD WIPER AND WASHER (See P. 4-144.)

OPERATION

〈Low-speed (and high-speed) wiper operation〉

- When the wiper switch is placed in the LO position with the ignition switch in the ACC or ON position, wipers operate continuously at low speed.
- Placing the wiper switch in the HI position causes the wipers to operate at high speed.

〈Auto wiper stop operation〉

- When the wiper switch is placed in the OFF position, the cam contacts of wiper motor caused current to flow through the auto wiper stop circuit, allowing the wiper blades to cycle before they reach to the stop positions.

〈Intermittent wiper operation〉

- When the wiper switch is placed in the INT position with the ignition switch in ACC or ON position, the intermittent wiper relay is energized causing the intermittent wiper relay contacts to close and open repeatedly.
- When the contacts are closed, the wiper motor is energized.
- When the wiper motor is energized, the relay contacts open; however, the cam contacts keep the wiper motor energized until the wiper blades return to their stop position.

〈Washer-Wiper operation〉

- When the washer switch is turned ON, the intermittent wiper relay contacts close causing wipers to cycle two to three times.

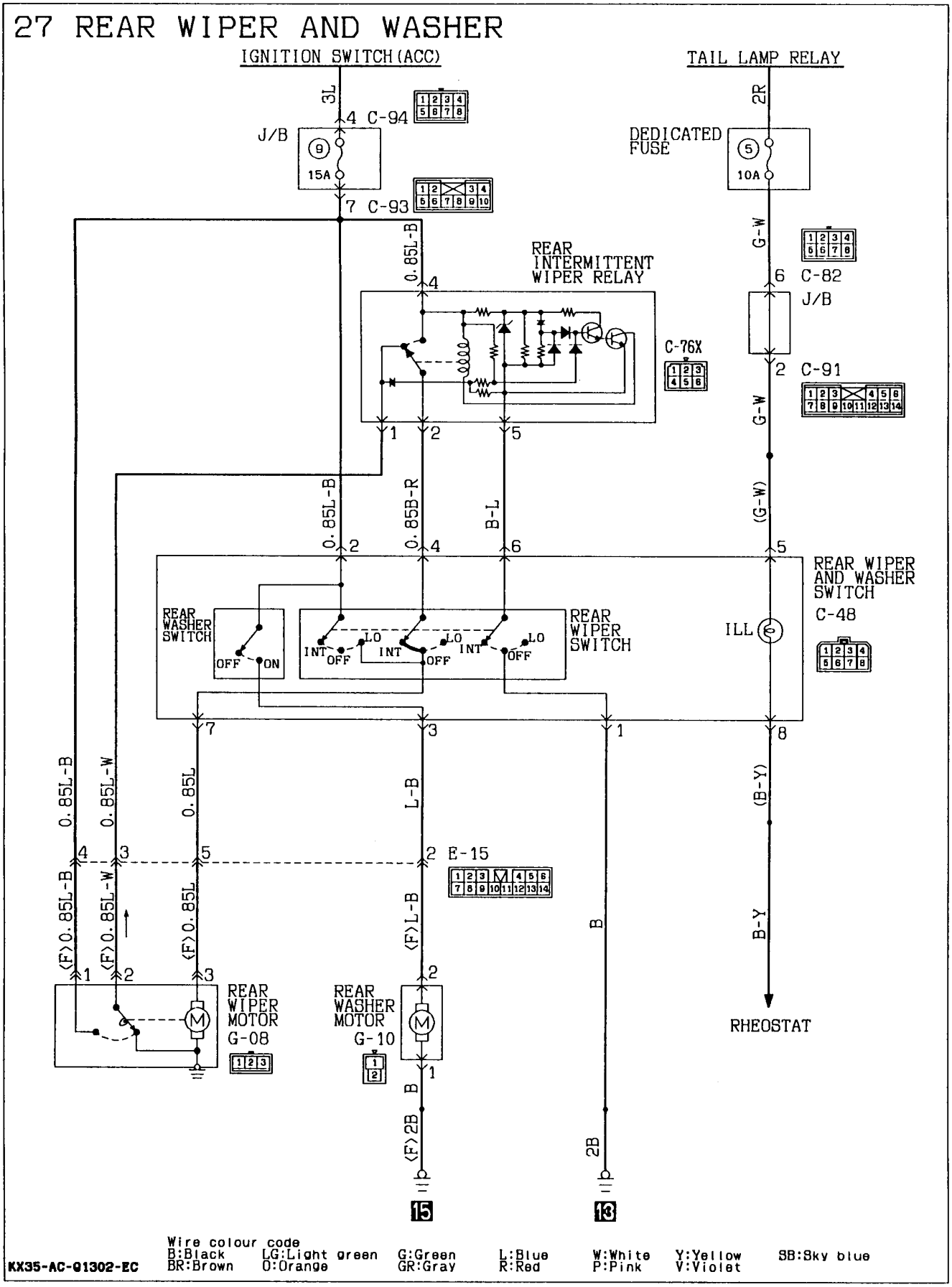
TROUBLESHOOTING HINTS

1. Wipers do not operate.
   1) Washer is not operative, either.
      - Check multi-purpose fuse No. ⑨.
      - Check earth.
2. Low-speed (or high-speed) wiper operation only is inoperative.
   - Check wiper switch.
3. Wipers do not stop.
   - Check wiper motor.
   - Check intermittent wiper relay.
   - Check wiper switch.
4. Intermittent wiper operation is inoperative.
   - Check terminal voltage of steering-column switch (with a built-in intermittent wiper relay) with the intermittent wiper relay energized.

Terminal No.	Voltage	Check
3	0V	Intermittent wiper relay or wiper switch
	System voltage	Intermittent wiper relay
	0V ↔ System voltage (alternating)	— (Normal)

5. The length of pause for intermittent operation cannot be varied.
   - Check variable intermittent wiper control switch.
   - Check intermittent wiper relay.
6. Washer is inoperative.
   1) Wiper is operative on washer-wiper operation.
      - Check washer motor.
   2) Washer-wiper operation is inoperative also.
      - Check washer switch.
7. Washer-wiper operation is inoperative.
   - Check intermittent wiper relay.

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REAR WIPER AND WASHER (See P. 4-146.)

OPERATION

〈Low-speed wiper operation〉

- When the wiper switch is placed in the LO (or ON) position with the ignition switch in the ACC or ON position, wipers operate continuously at low speed.

〈Auto wiper stop operation〉

- When the wiper switch is placed in the OFF position, the cam contacts of wiper motor causes current to flow through the auto wiper stop circuit, allowing the wiper blades to cycle before they reach to the stop positions.

〈Intermittent wiper operation〉

- When the wiper switch is placed in the INT position with the ignition switch in ACC or ON position, the intermittent wiper relay is energized causing the intermittent wiper relay contacts to close and open repeatedly.
- When the contacts are closed, the wiper motor is energized.
- When the wiper motor is energized, the relay contacts open; however, the cam contacts keep the wiper motor energized until the wiper blades return to their stop position.

TROUBLESHOOTING HINTS

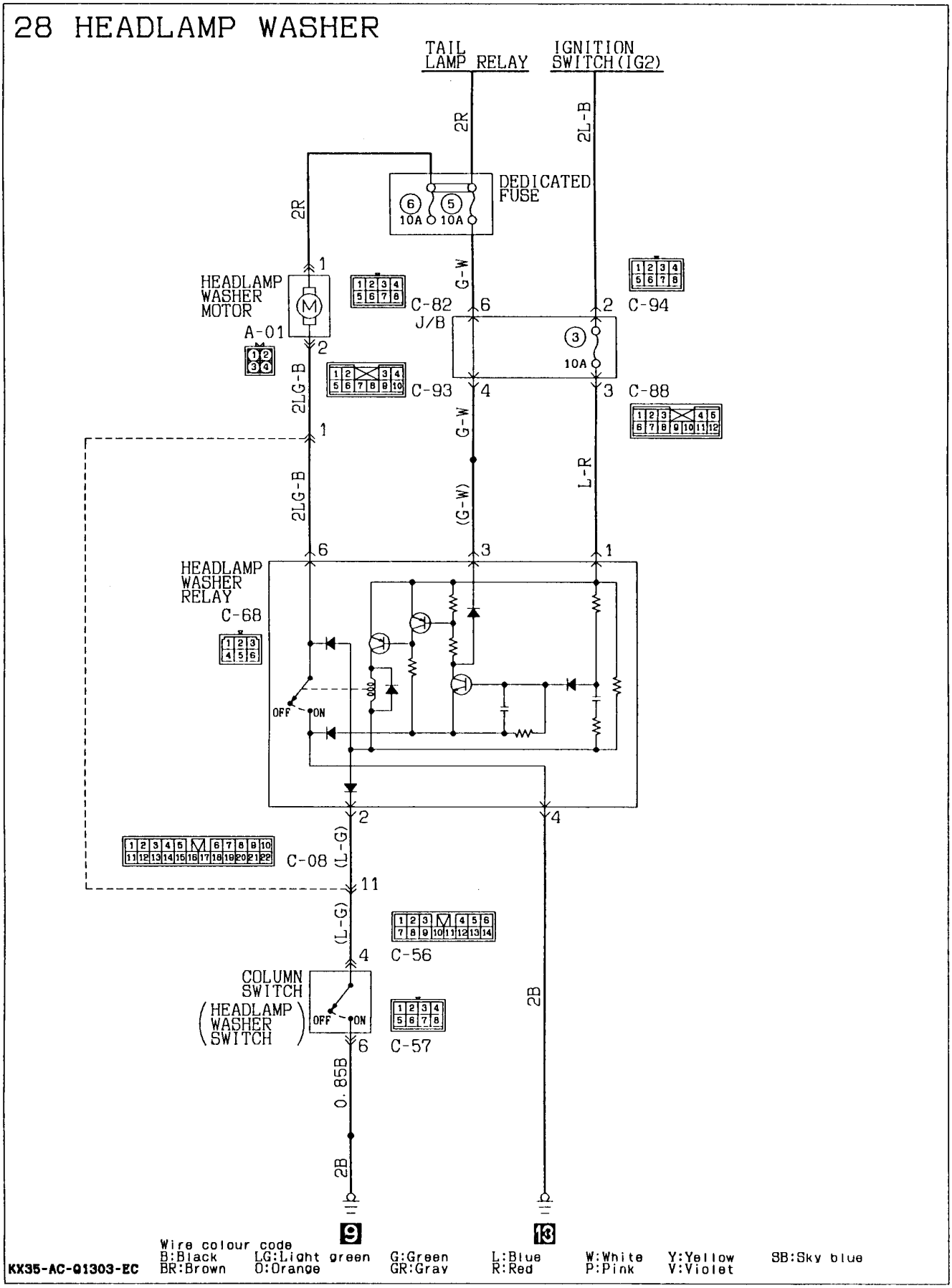
1. Wipers do not operate.
   1) Washer is not operative, either.
      - Check multi-purpose fuse No. ⑨.
      - Check earth.
      - Check wiper switch.
2. Wipers do not stop.
   - Check wiper motor.
   - Check intermittent wiper relay.
   - Check wiper switch.
3. Intermittent wiper operation is inoperative.
   - Check terminal voltage of the intermittent wiper relay energized.

Terminal No.	Voltage	Check
2	0 V	Intermittent wiper relay or wiper switch
	System voltage	Intermittent wiper relay
	0 V ↔ System voltage (alternating)	— (Normal)

4. Washer is inoperative.
   - Check washer motor.
   - Check washer switch.

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HEADLAMP WASHER (See P. 4-148.)

OPERATION

- When the headlamp washer switch is turned ON with ignition switch in ON and lighting switch in TAIL or HEAD position, the headlamp washer relay is energized causing the headlamp washer motor to start.

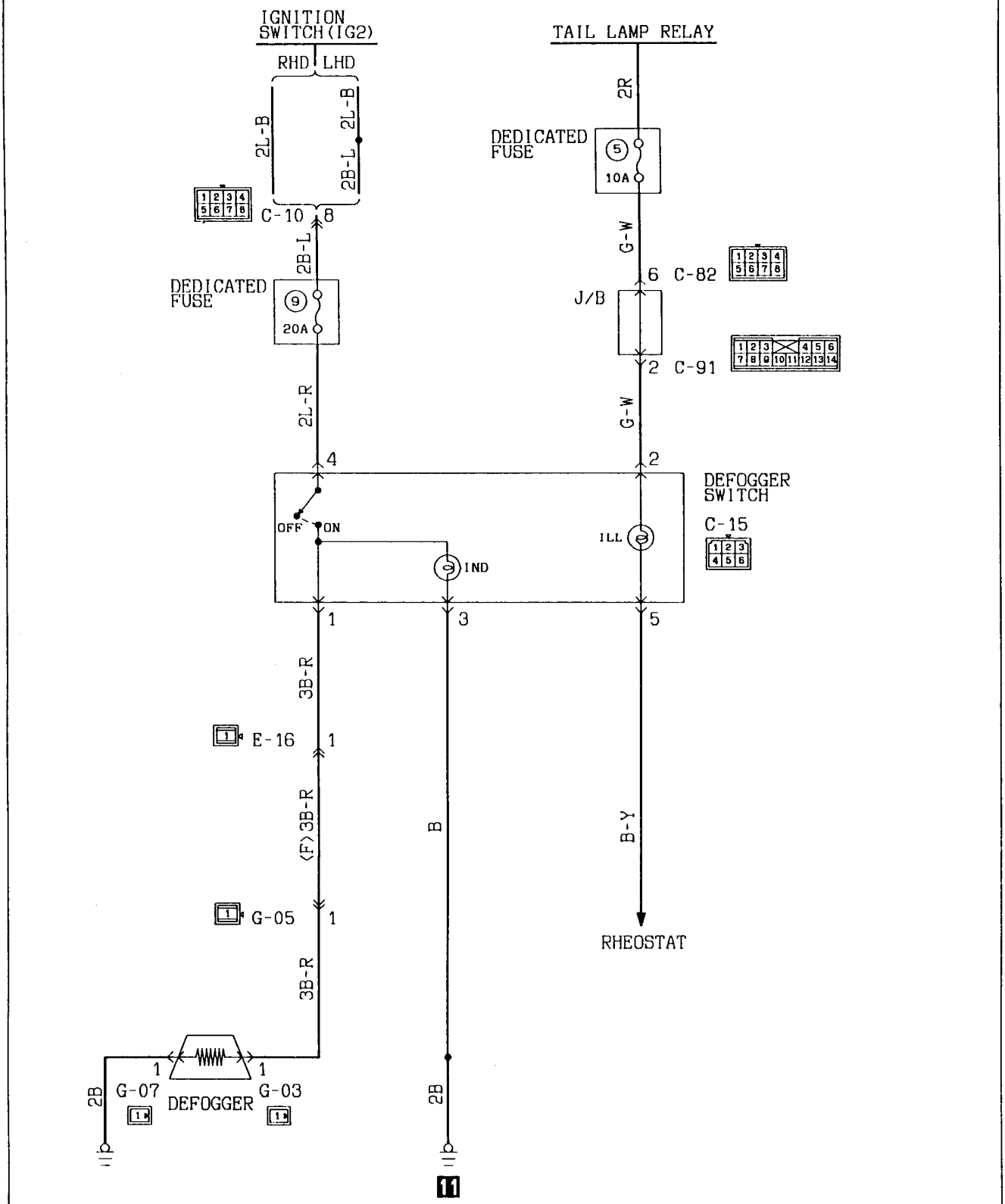
TROUBLESHOOTING HINTS

1. Headlamp washer motor does not start.
   1) Blower motor does not start, either.
      - Check multi-purpose fuse No. ③.
   2) Blower motor does start.
      - Check headlamp washer motor.
      - Check headlamp washer relay.
      - Check headlamp washer switch.

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29 DEFOGGER



Wire colour code

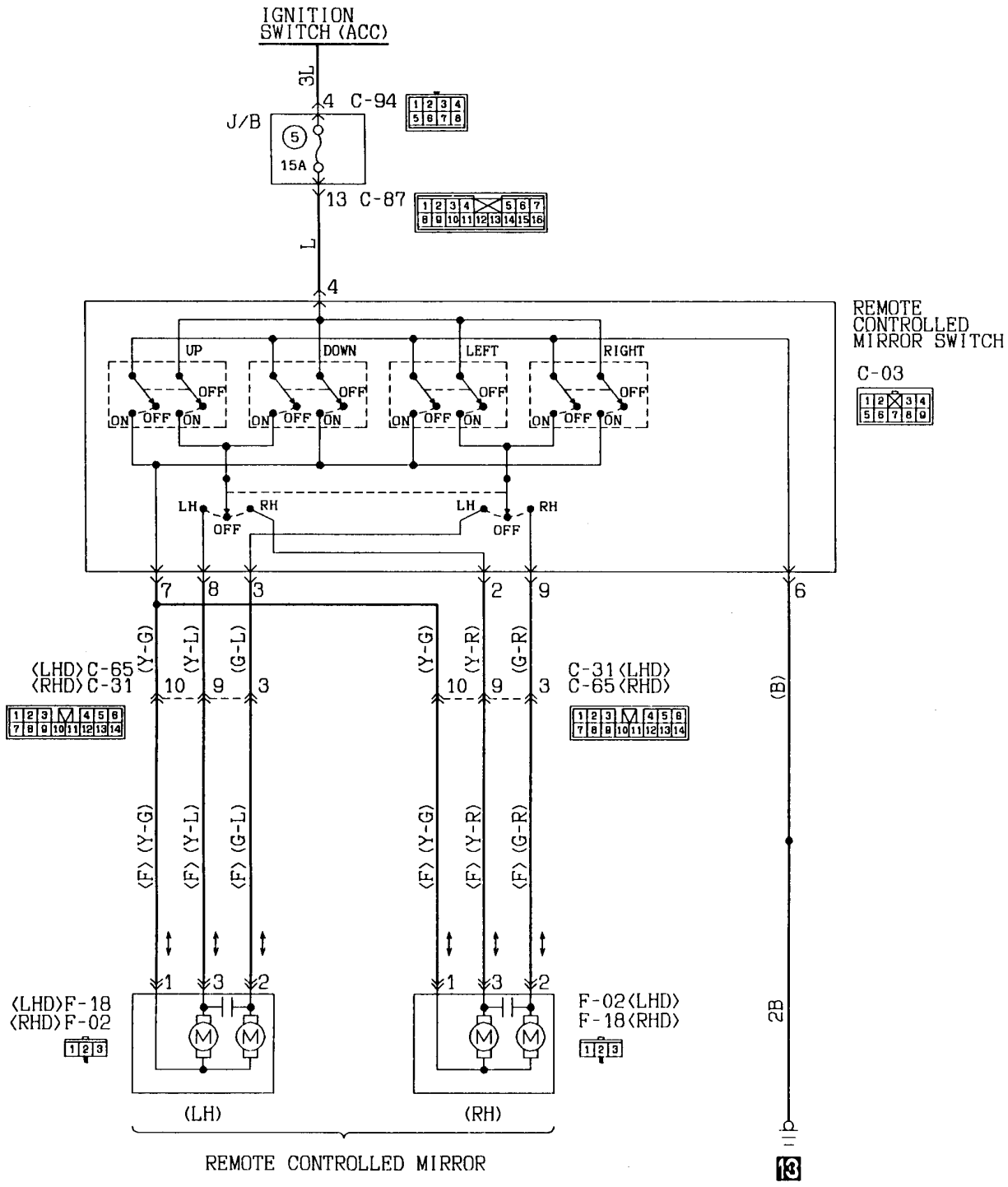
B:Black	LG:Light green	G:Green	L:Blue	W:White	Y:Yellow	SB:Sky blue	
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet		

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30 REMOTE CONTROLLED MIRROR



Wire colour code

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

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REMOTE CONTROLLED MIRROR (See P. 4-151.)

OPERATION

- When the remote controlled mirror switch is operated with the ignition switch in ACC or ON position, the motor is started allowing the driver to adjust the orientation of the mirror surface.

TROUBLESHOOTING HINTS

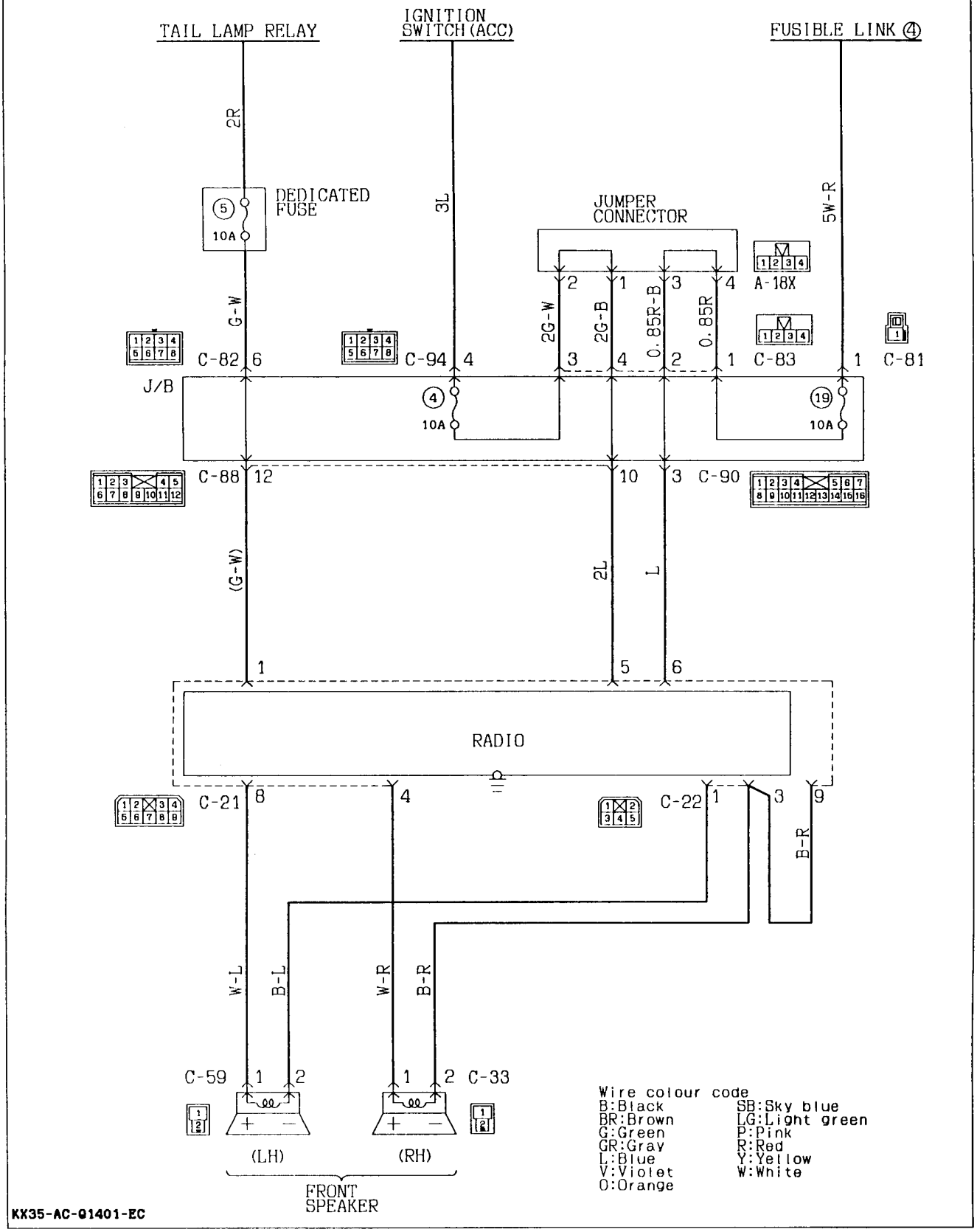
1. LH and RH mirrors do not move.
   1) Cigarette lighter is also inoperative.
      - Check multi-purpose fuse No. ⑤.
   2) Cigarette lighter is operative.
      - Check remote controlled mirror switch.

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31 AUDIO

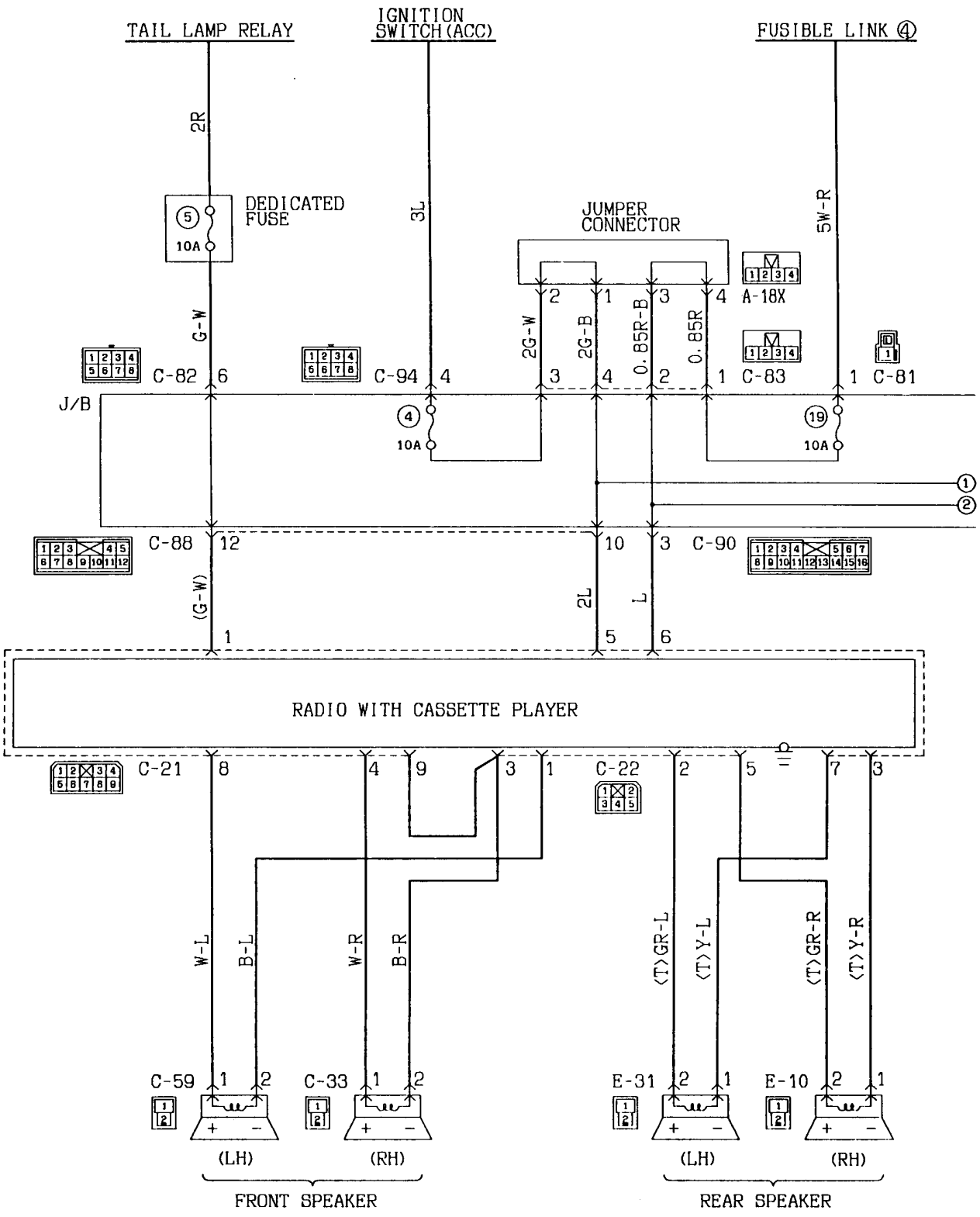
31-1 AM/FM radio without cassette player



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31-2 AM/FM, LW/MW/FM radio with cassette player



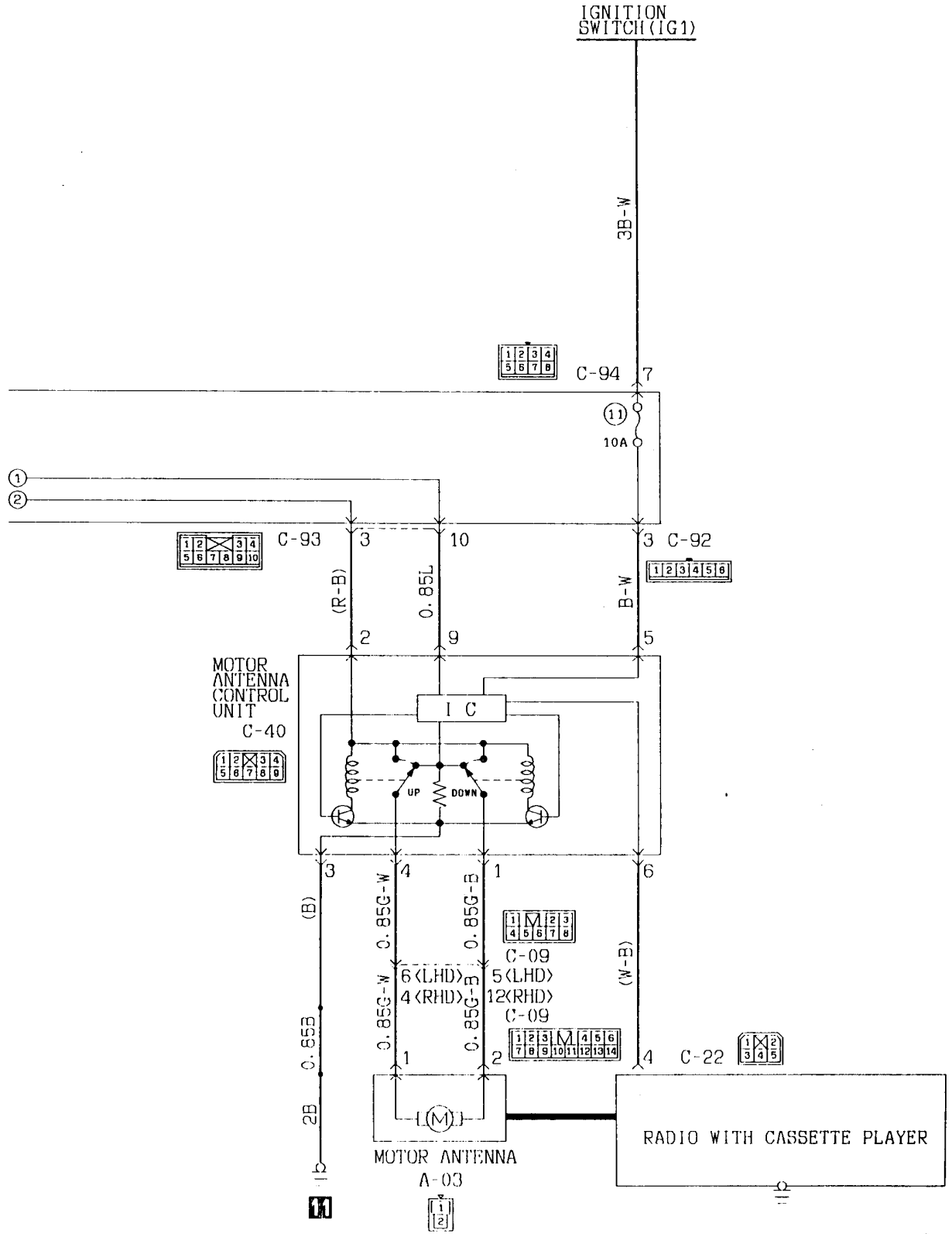
Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

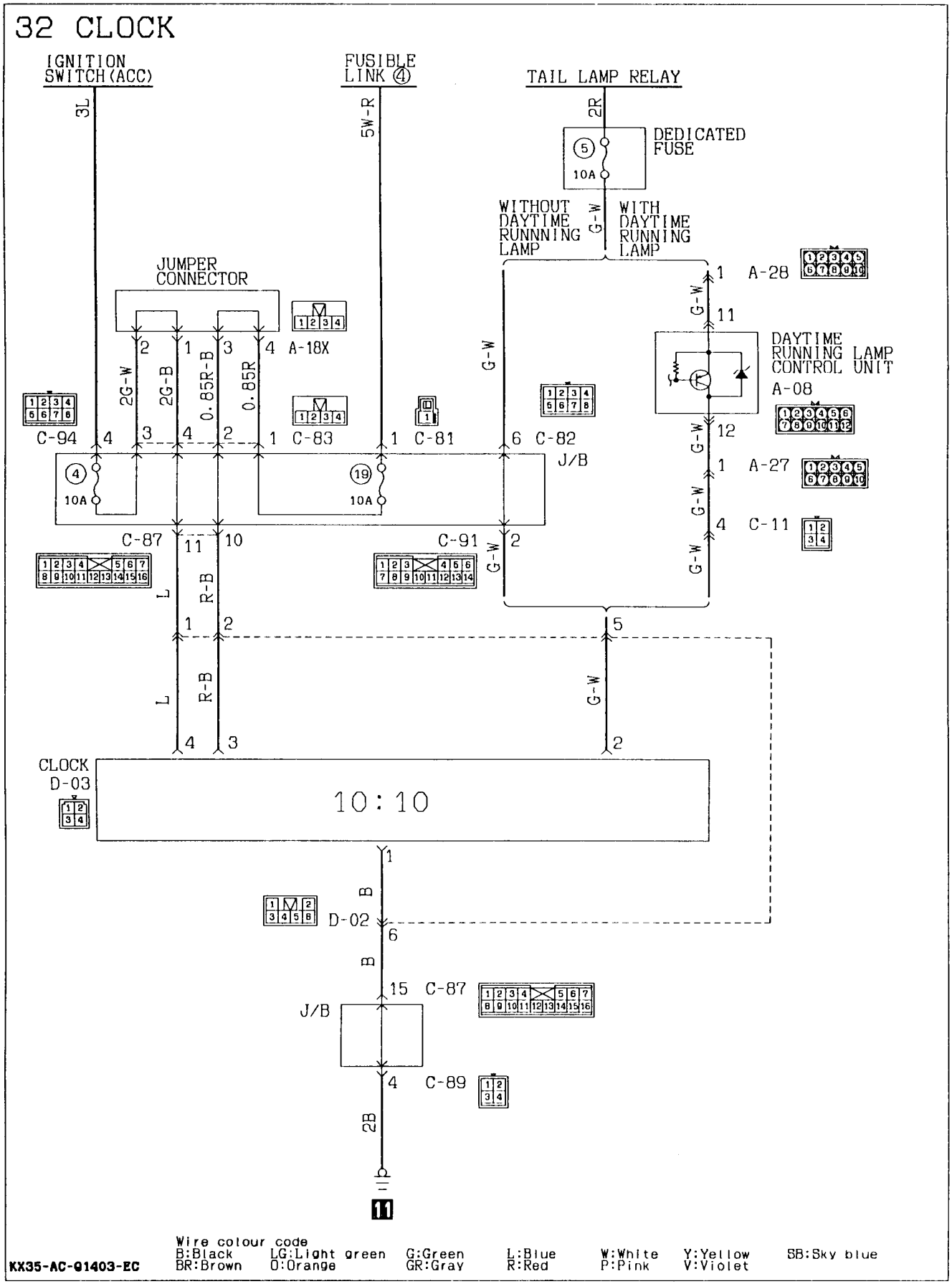
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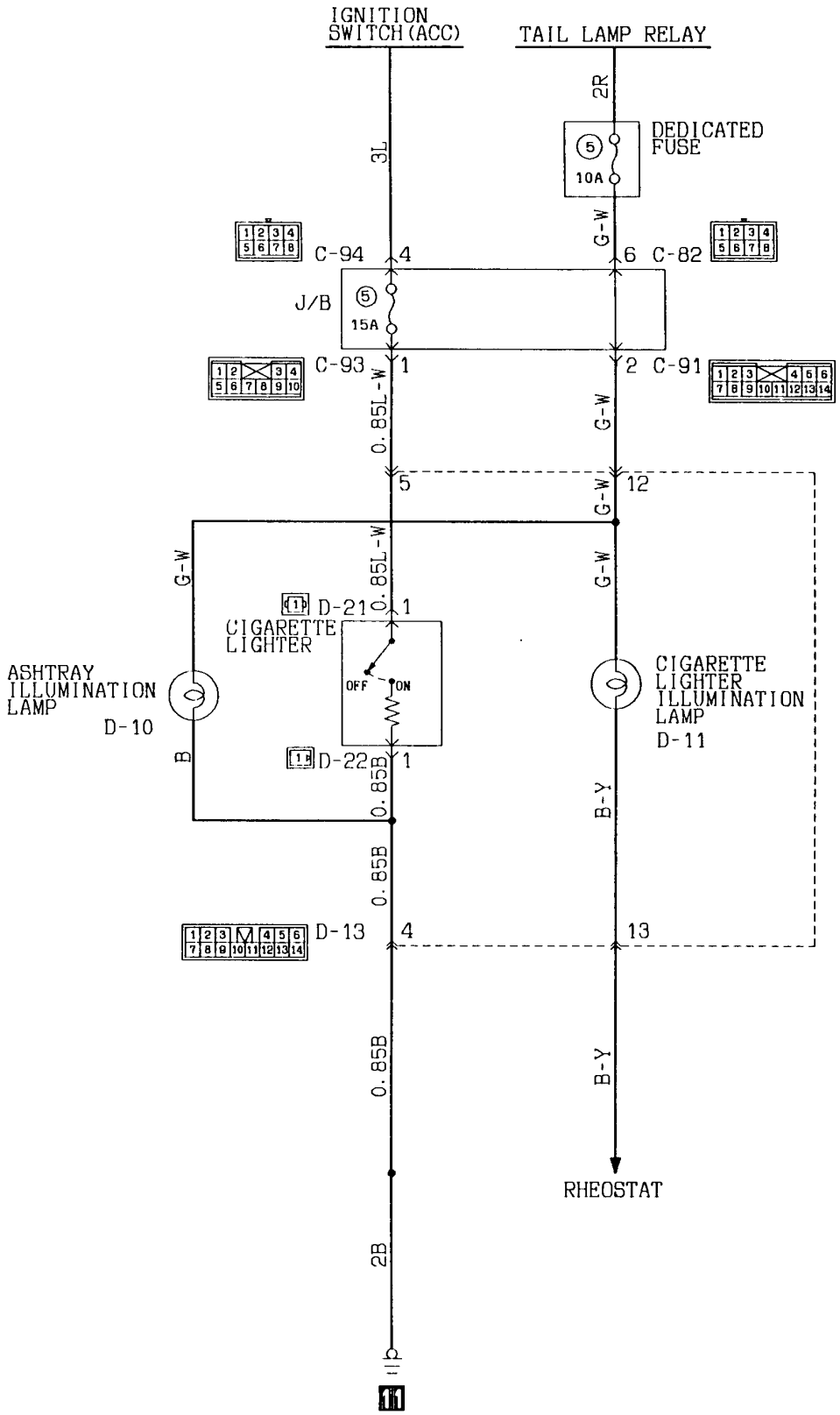
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33 CIGARETTE LIGHTER



Wire colour code

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BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	

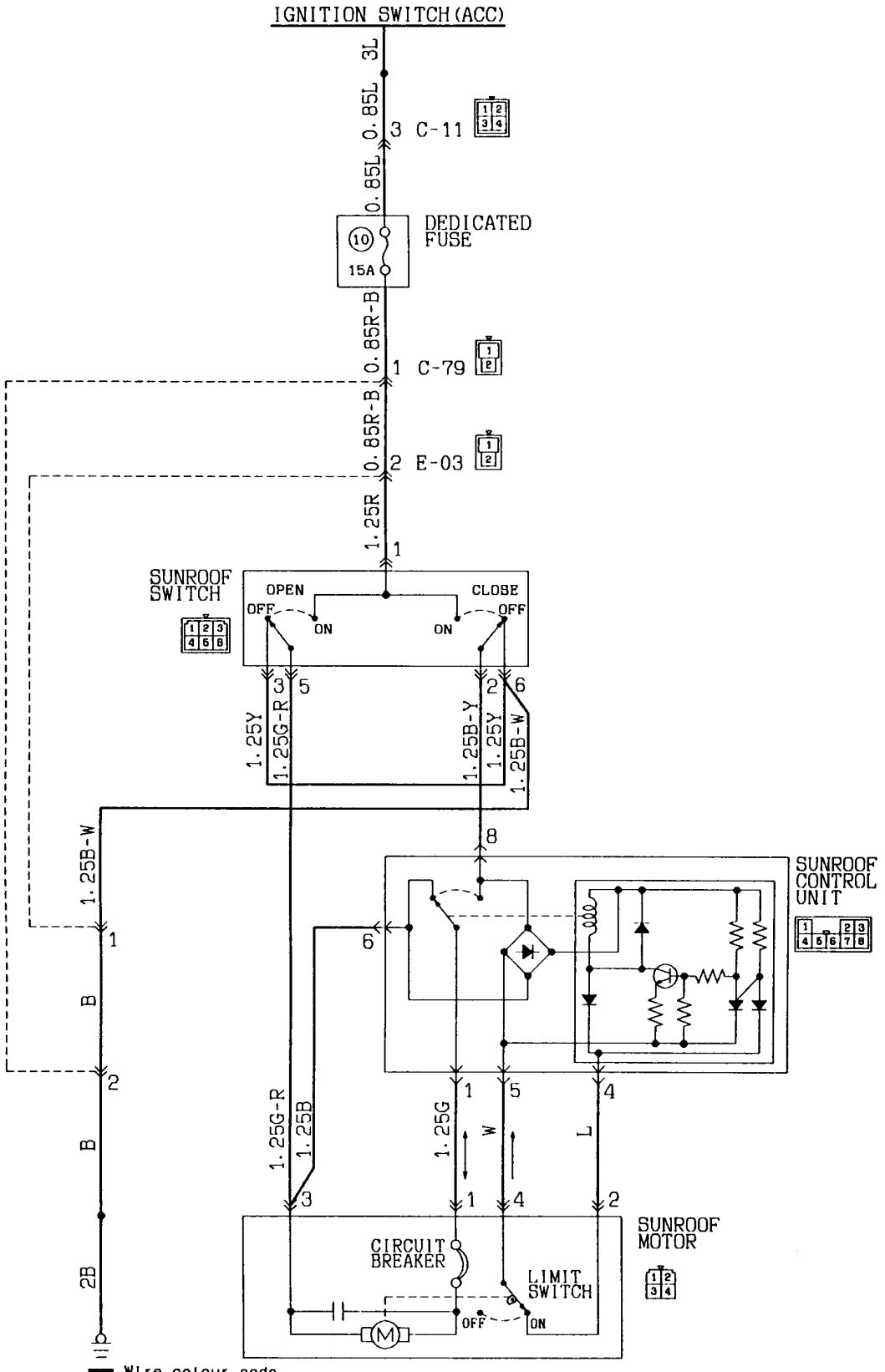
KX35-AC-01404-EC

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34 SUNROOF

34-1 Metal top



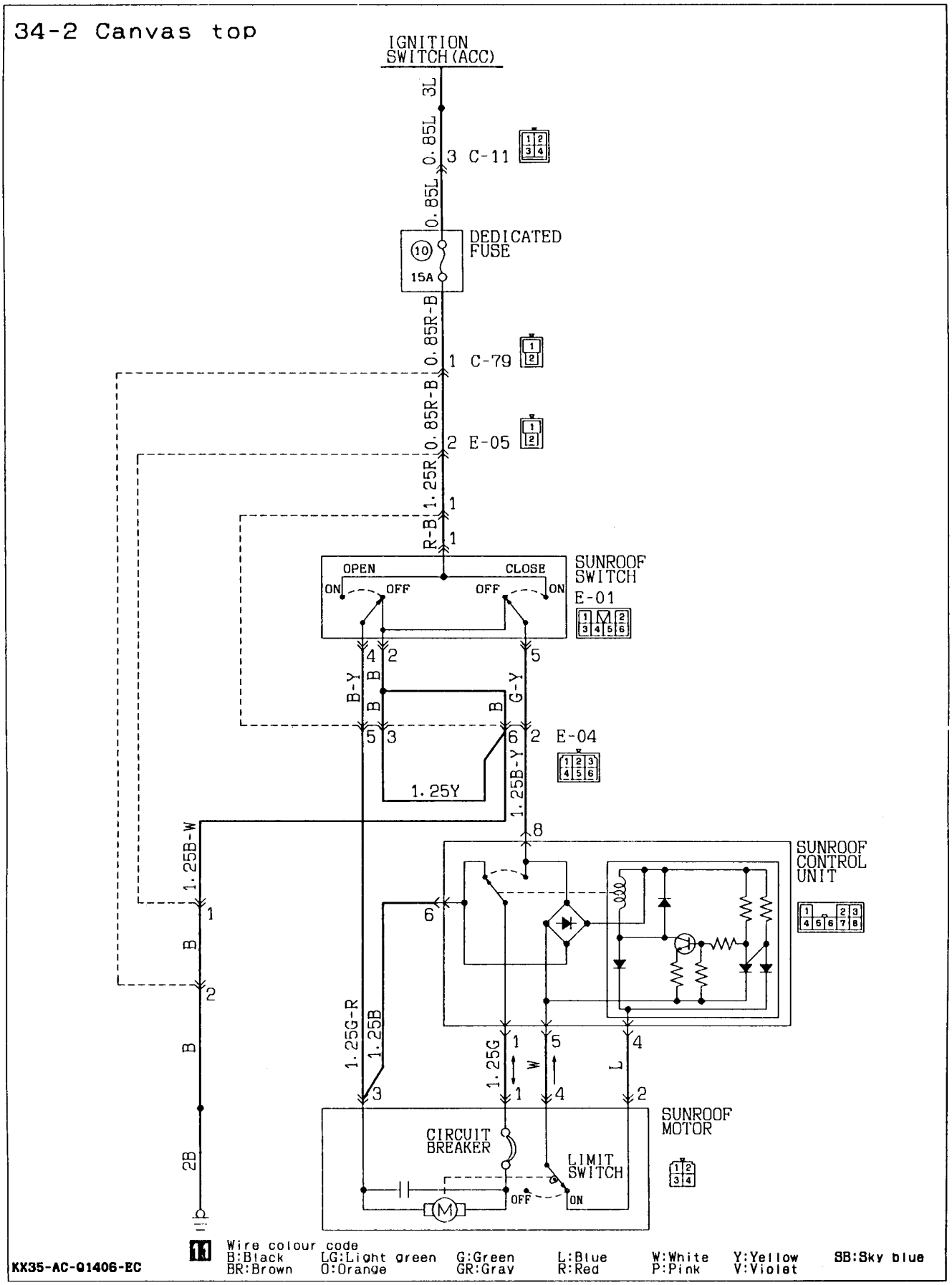
Wire colour code

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

KX35-AC-01405-EC

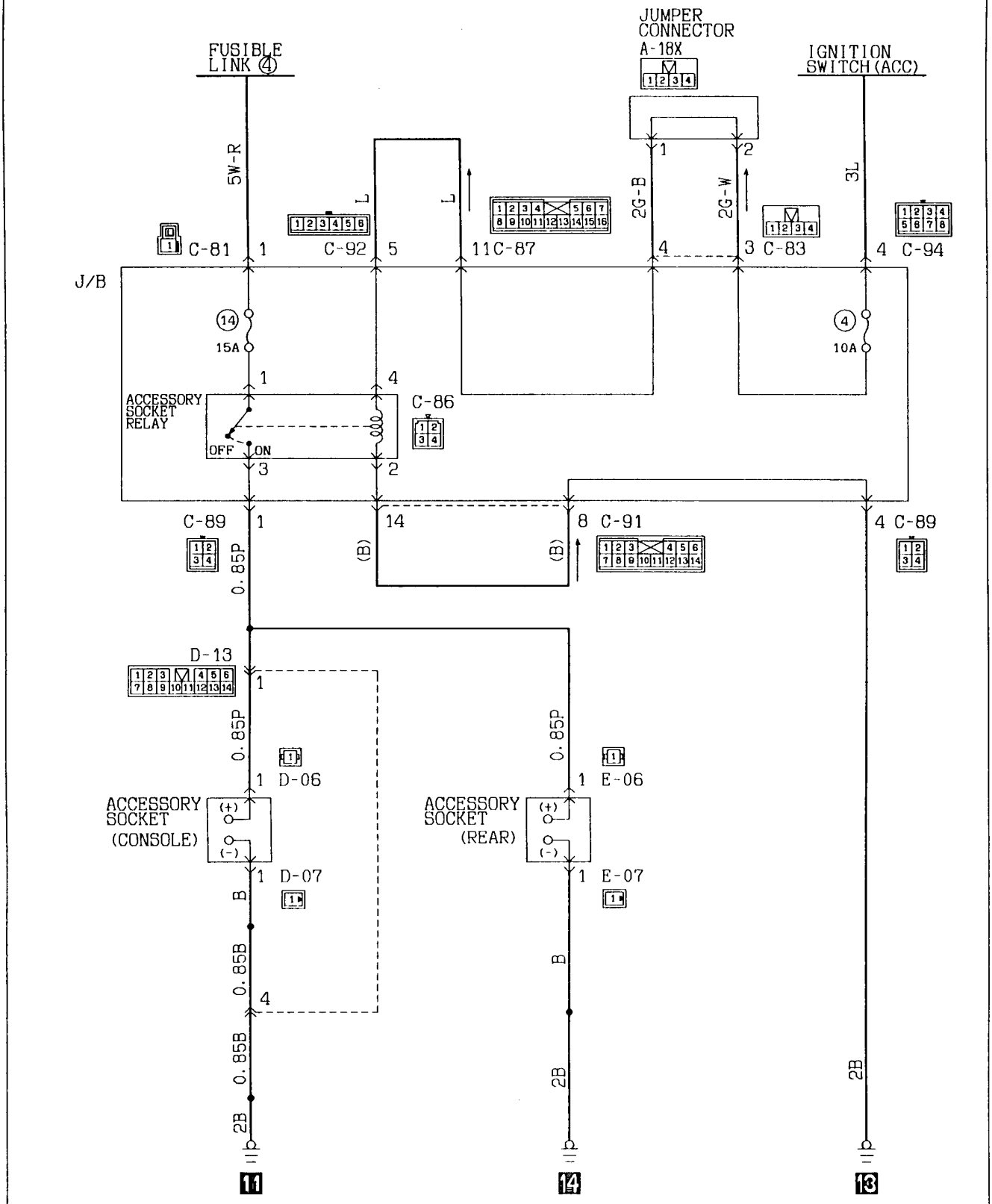
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35 ACCESSORY SOCKET



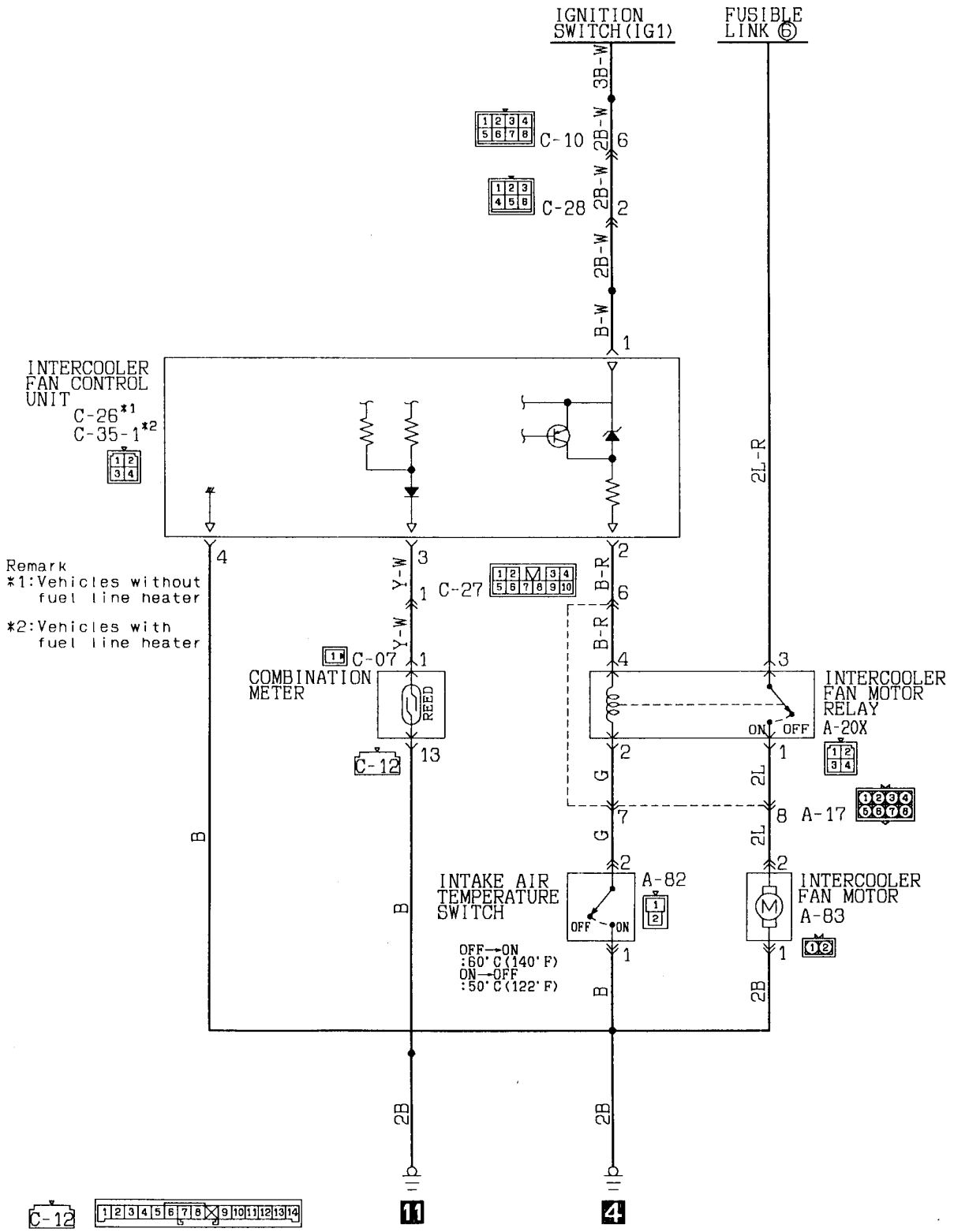
Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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36 INTERCOOLER FAN



Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

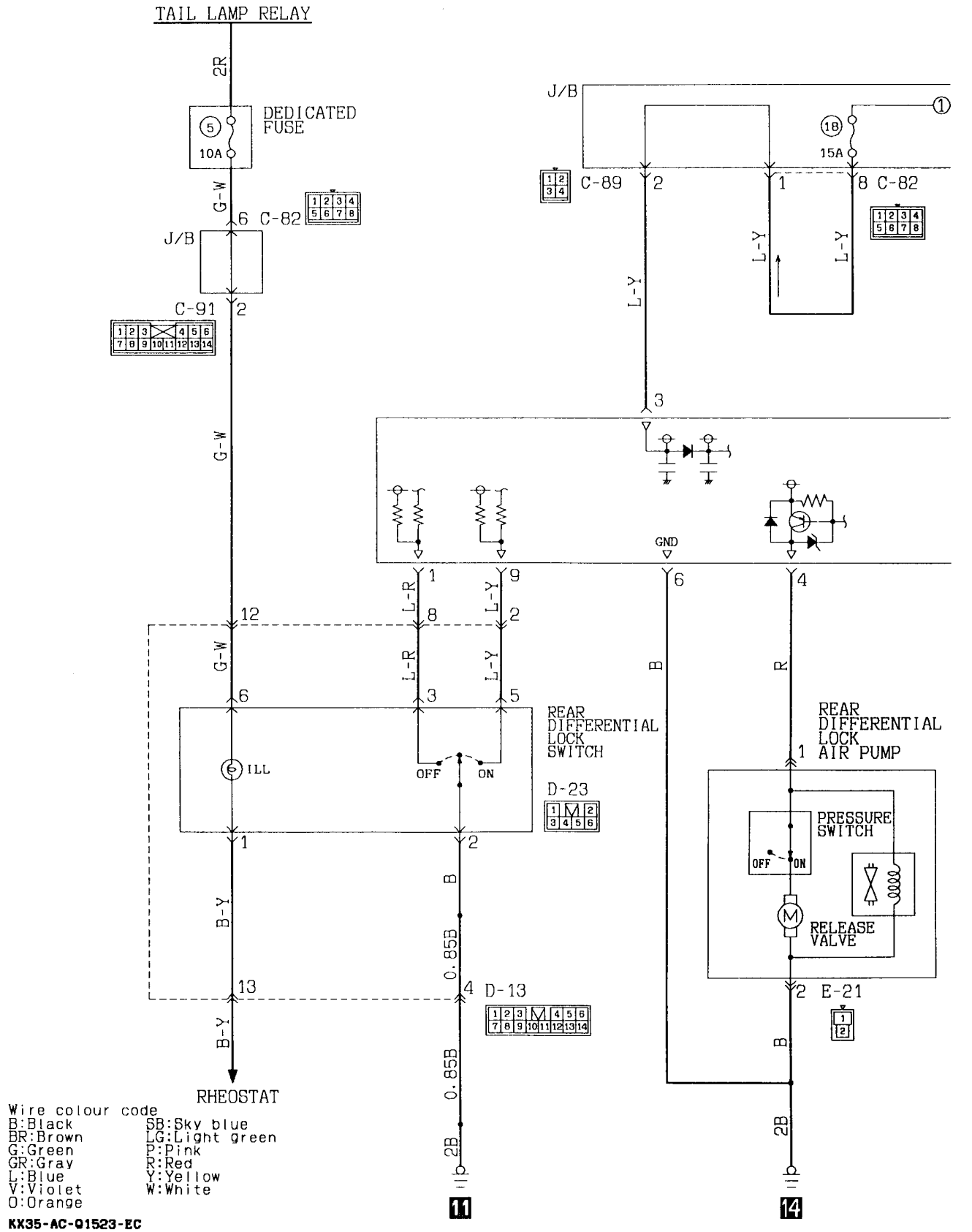
KX35-AC-Q1522-EC

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37 REAR DIFFERENTIAL LOCK SYSTEM

〈Vehicles built from March 1991〉



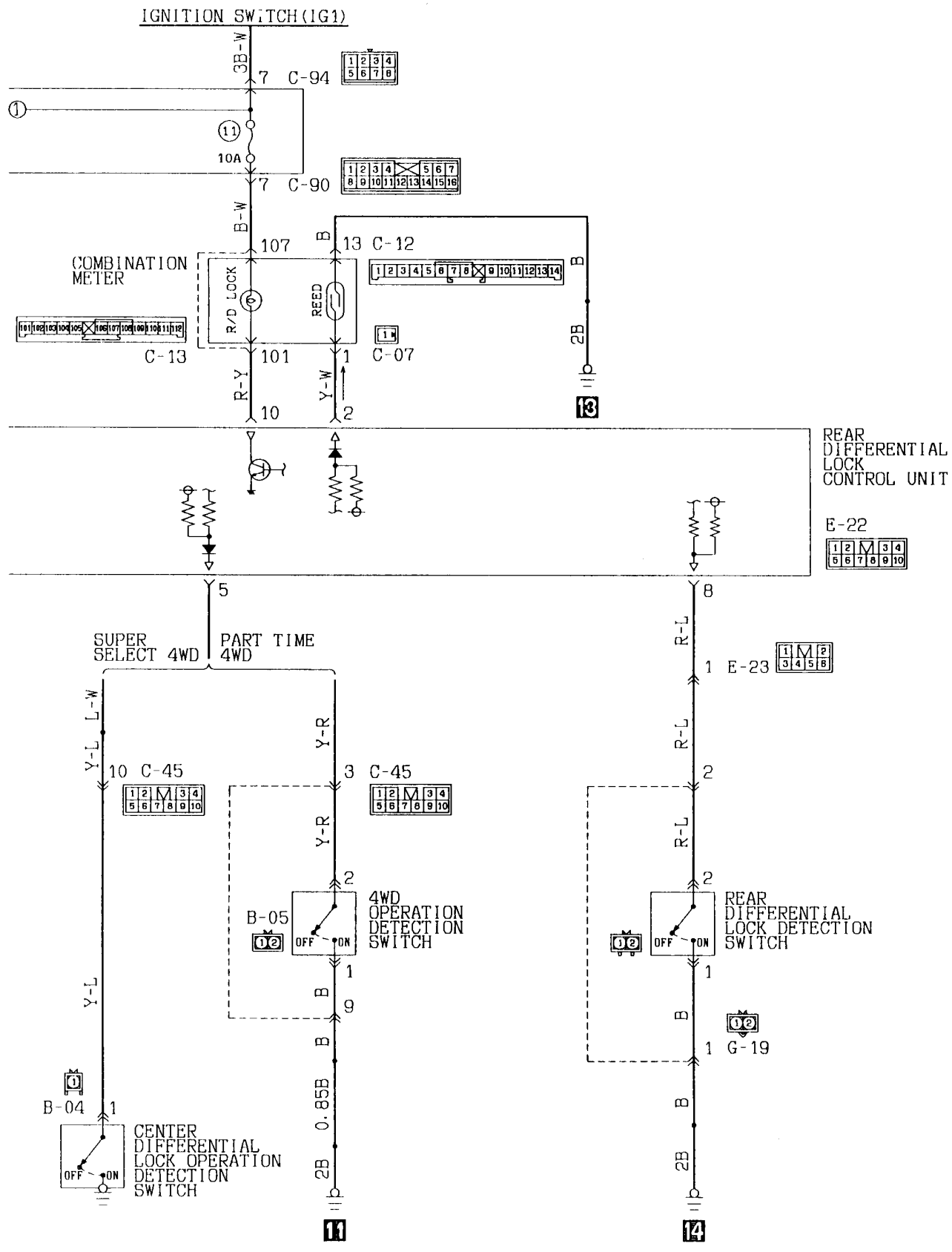
Wire colour code

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

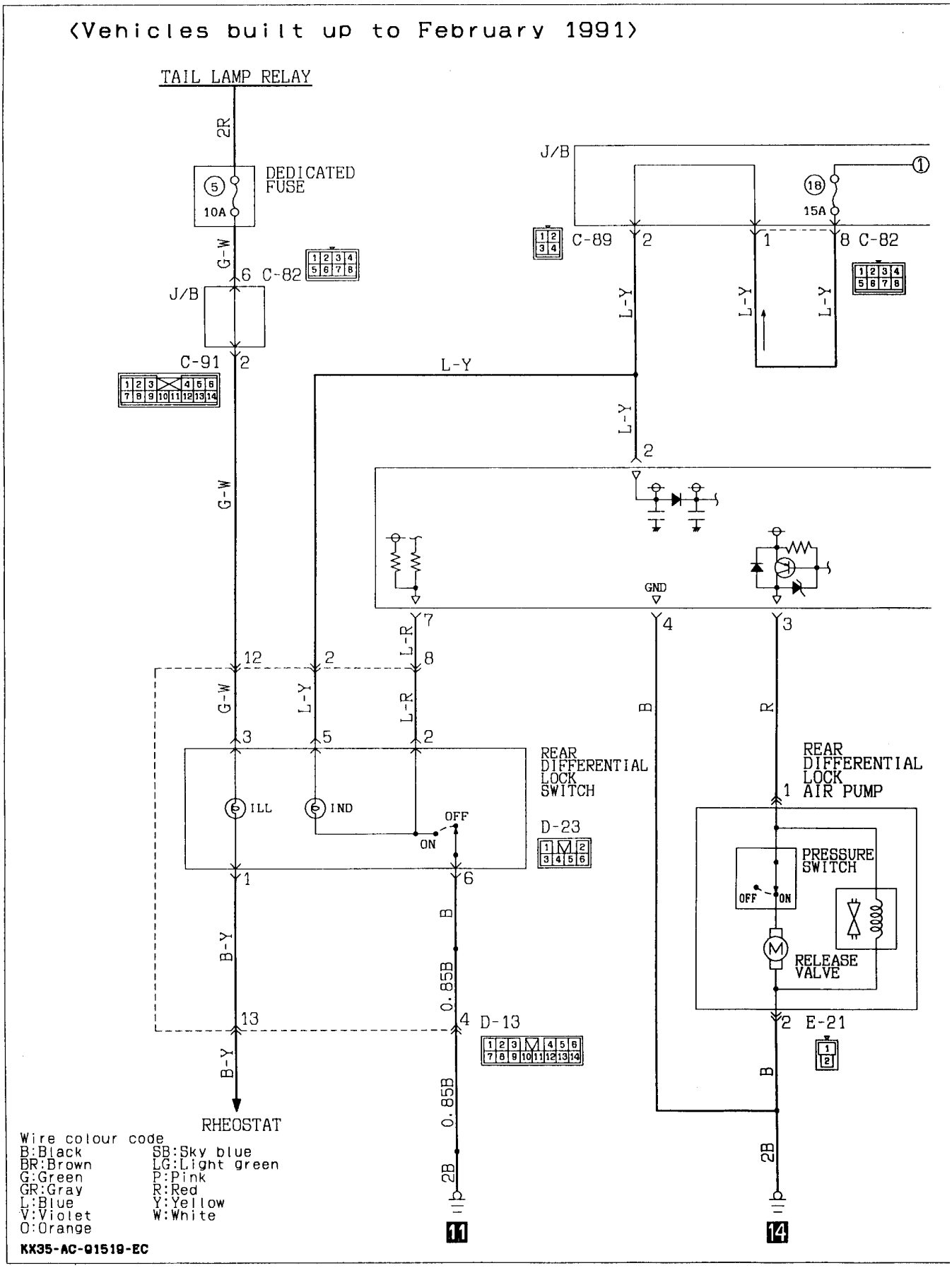
KX35-AC-01523-EC

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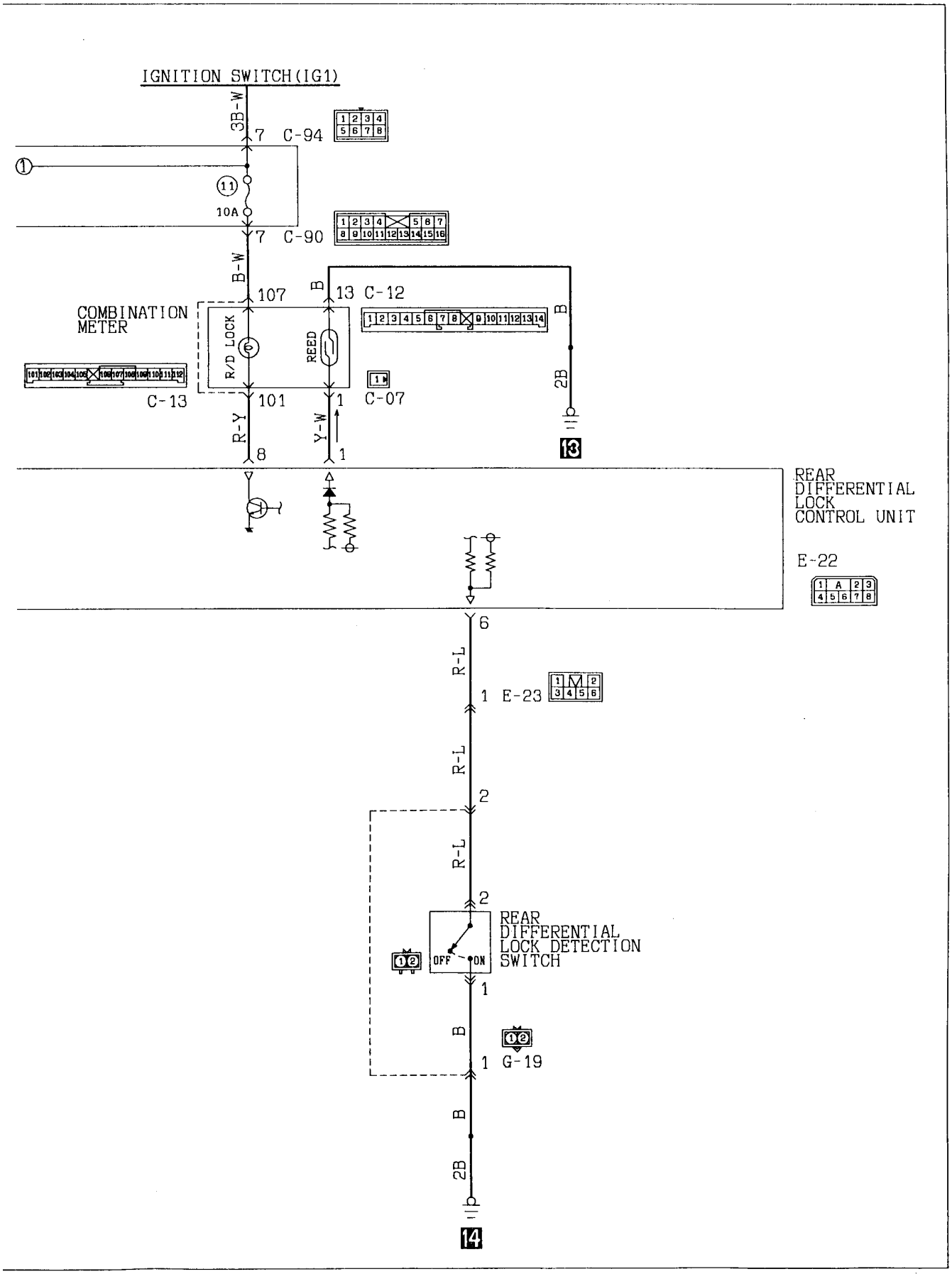
Wire colour code

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

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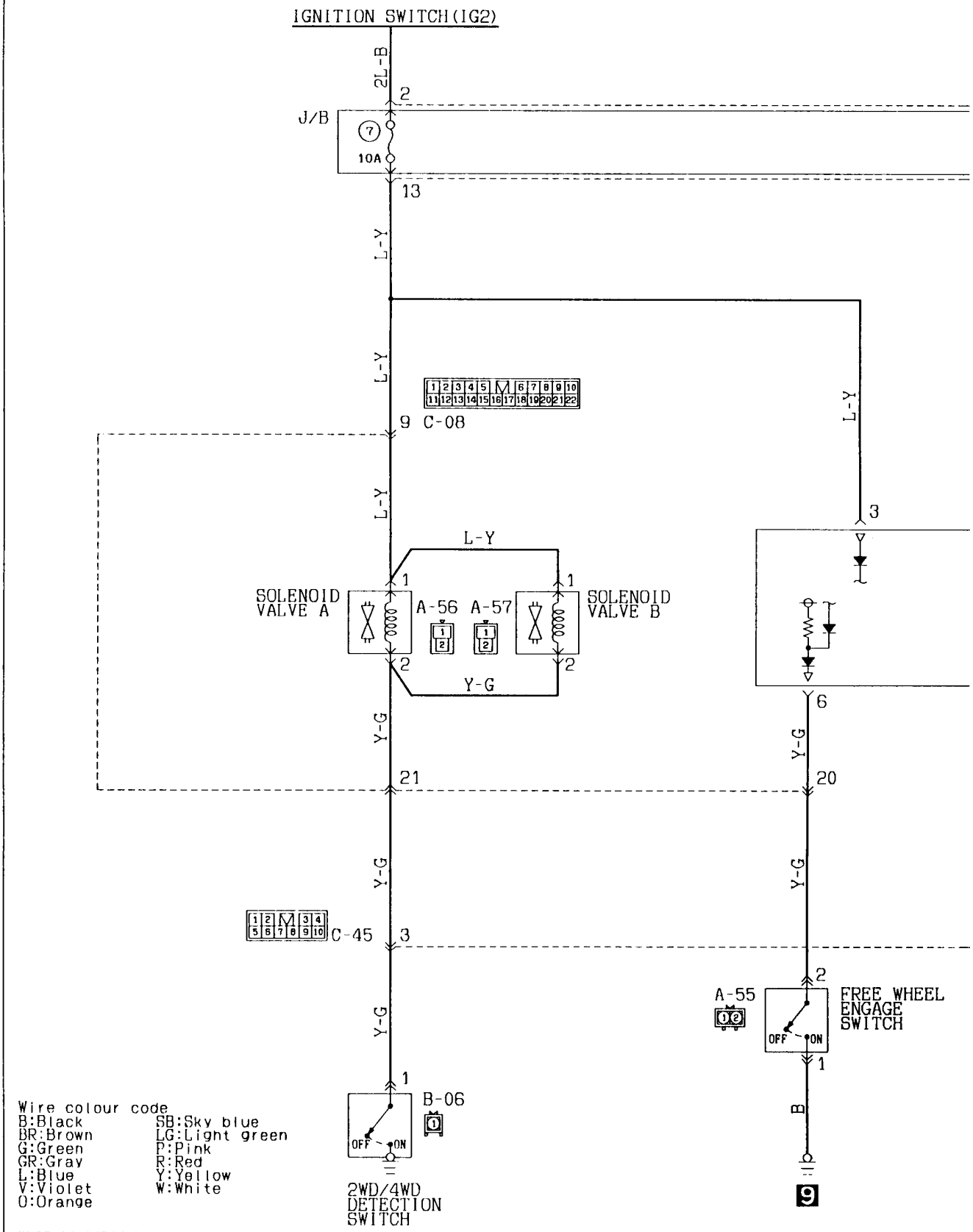
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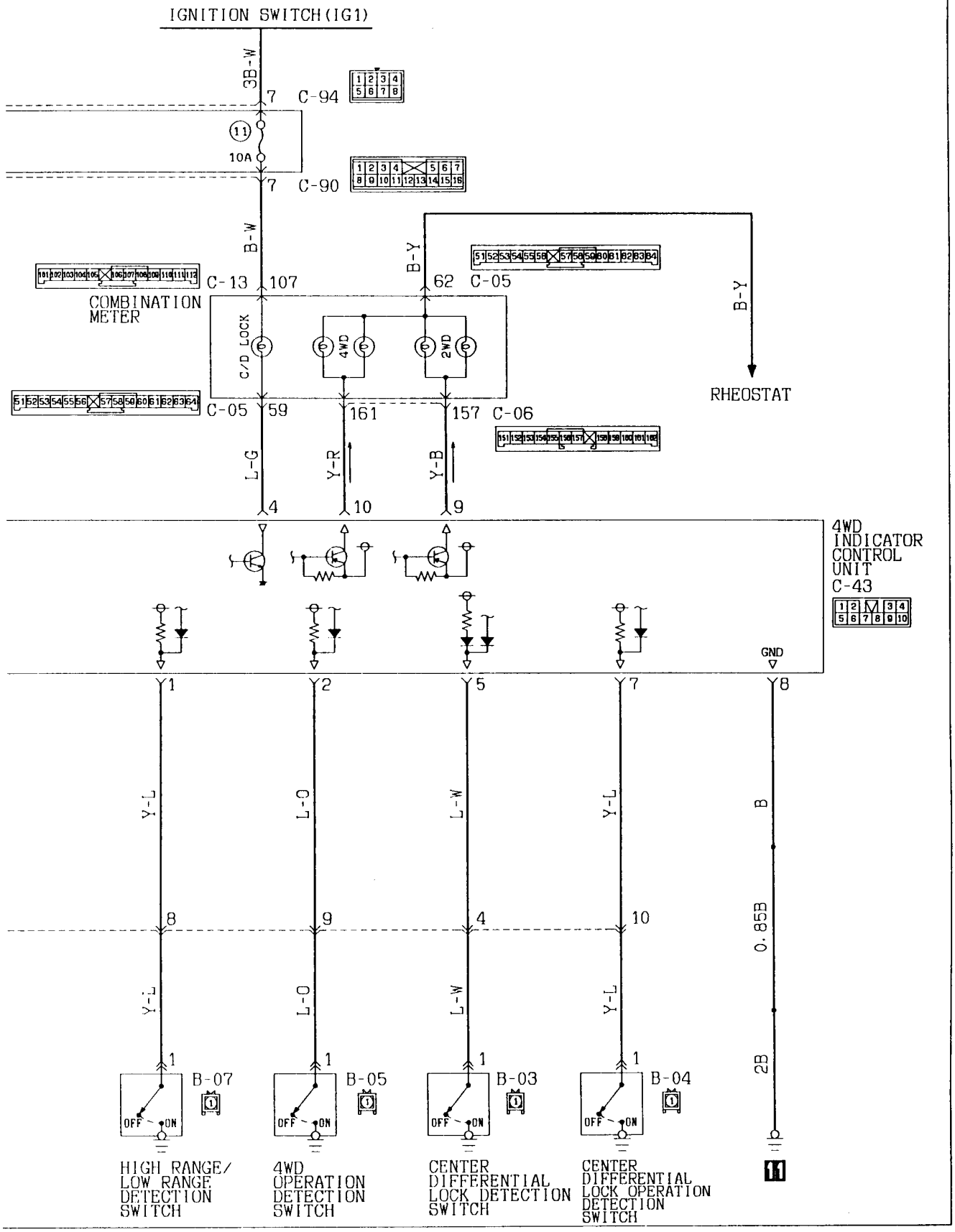
38 SUPER SELECT 4WD SYSTEM



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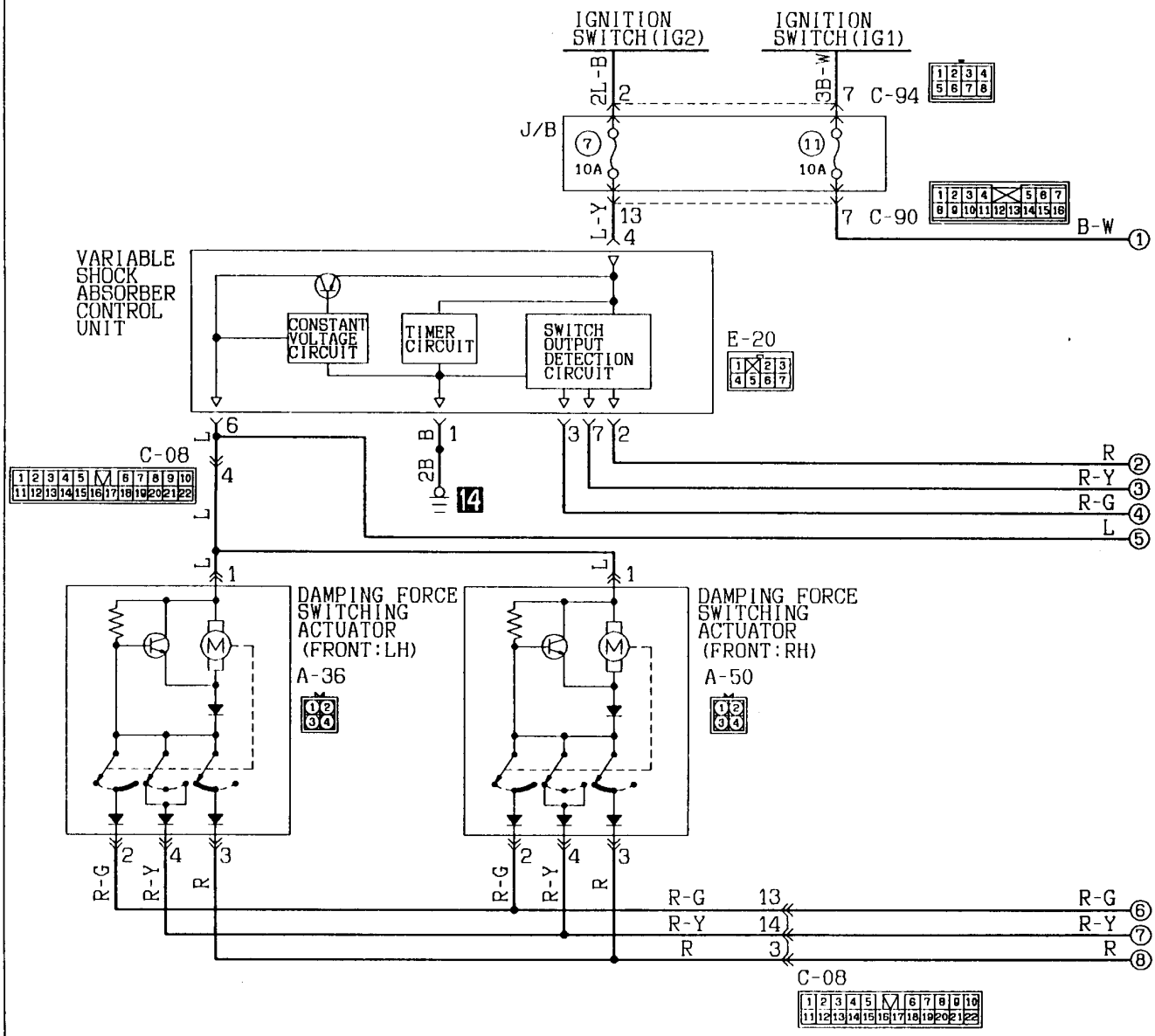
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39 REMOTE CONTROLLED VARIABLE SHOCK ABSORBER

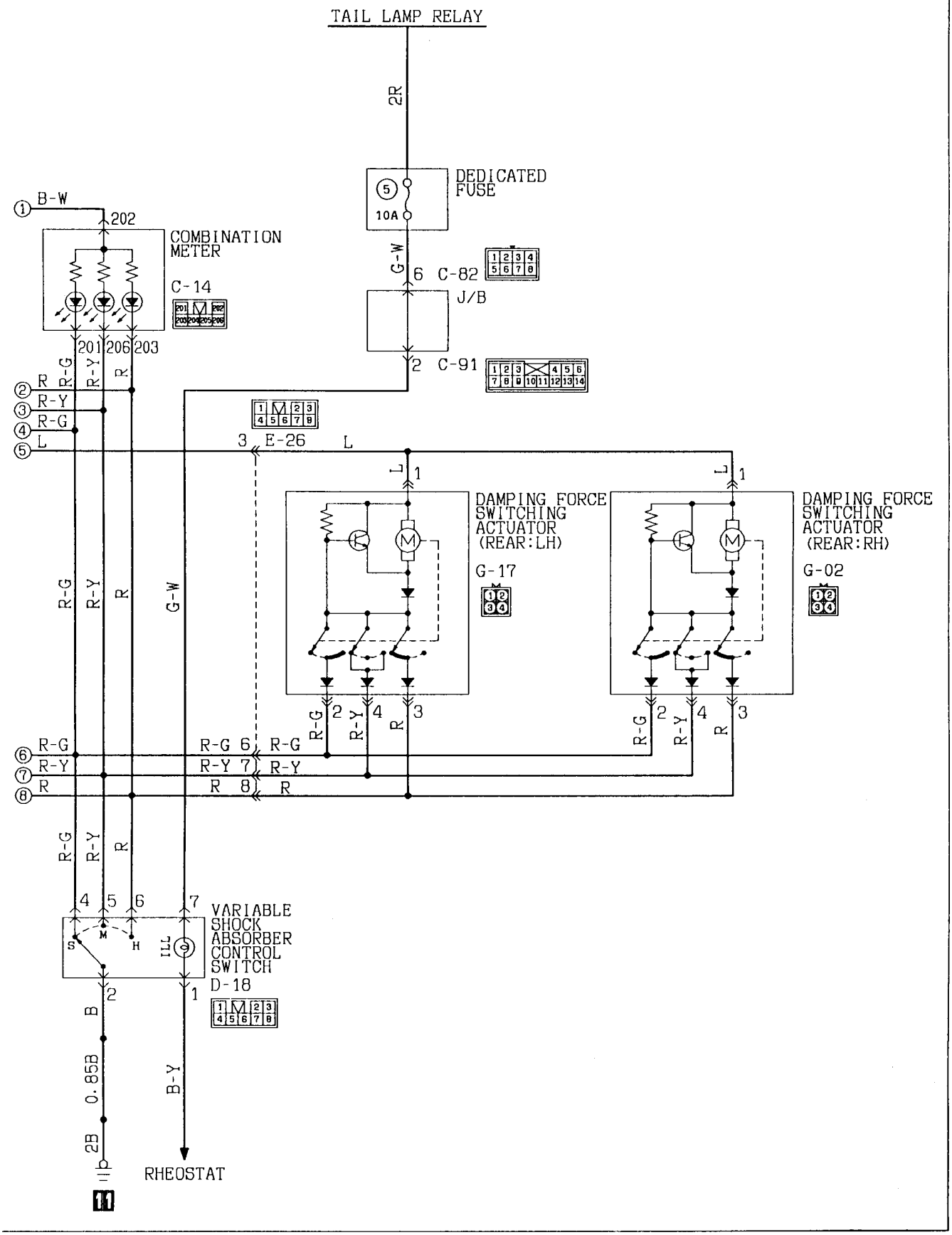


Wire colour code
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BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-01504-EC

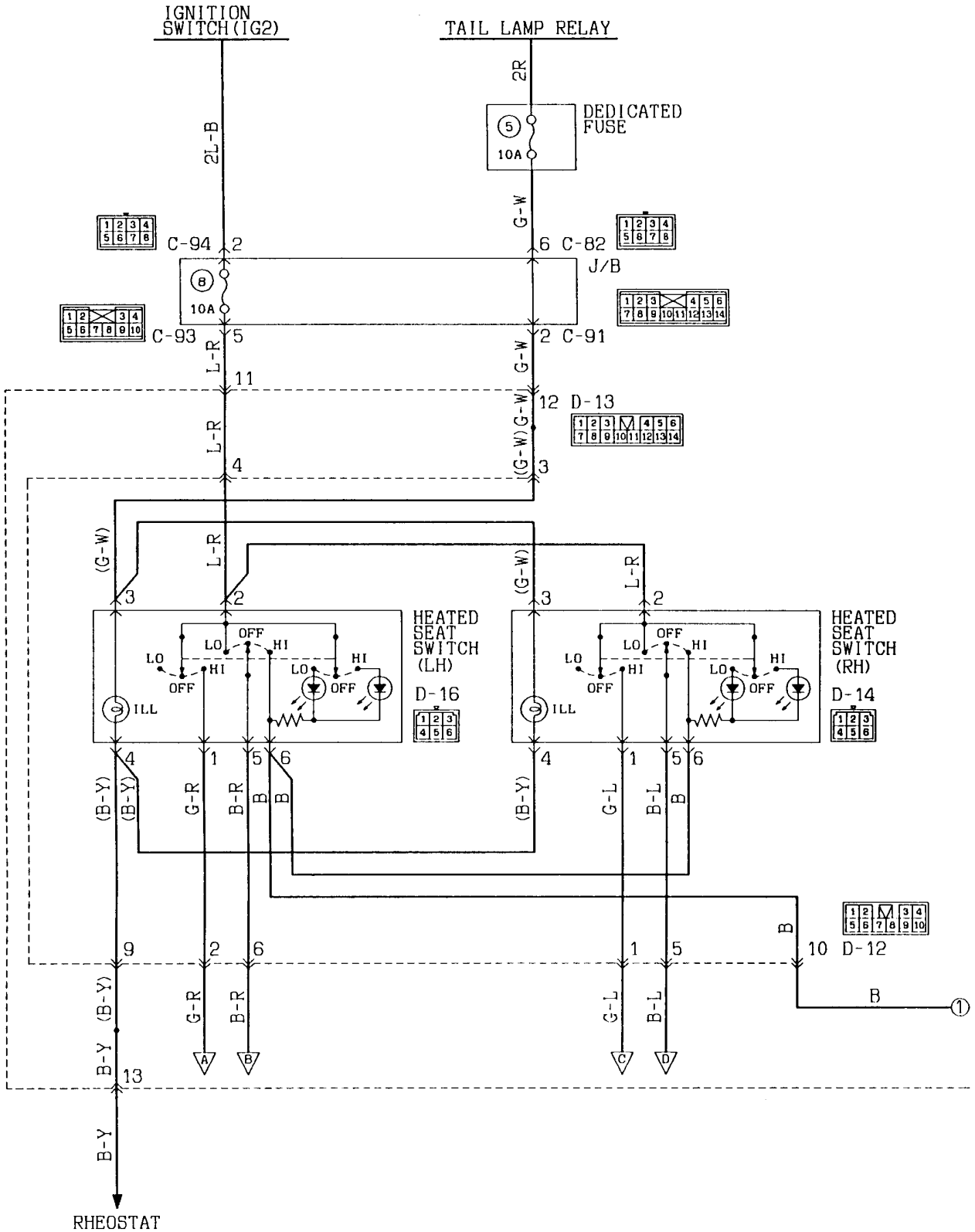
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40 HEATED SEAT



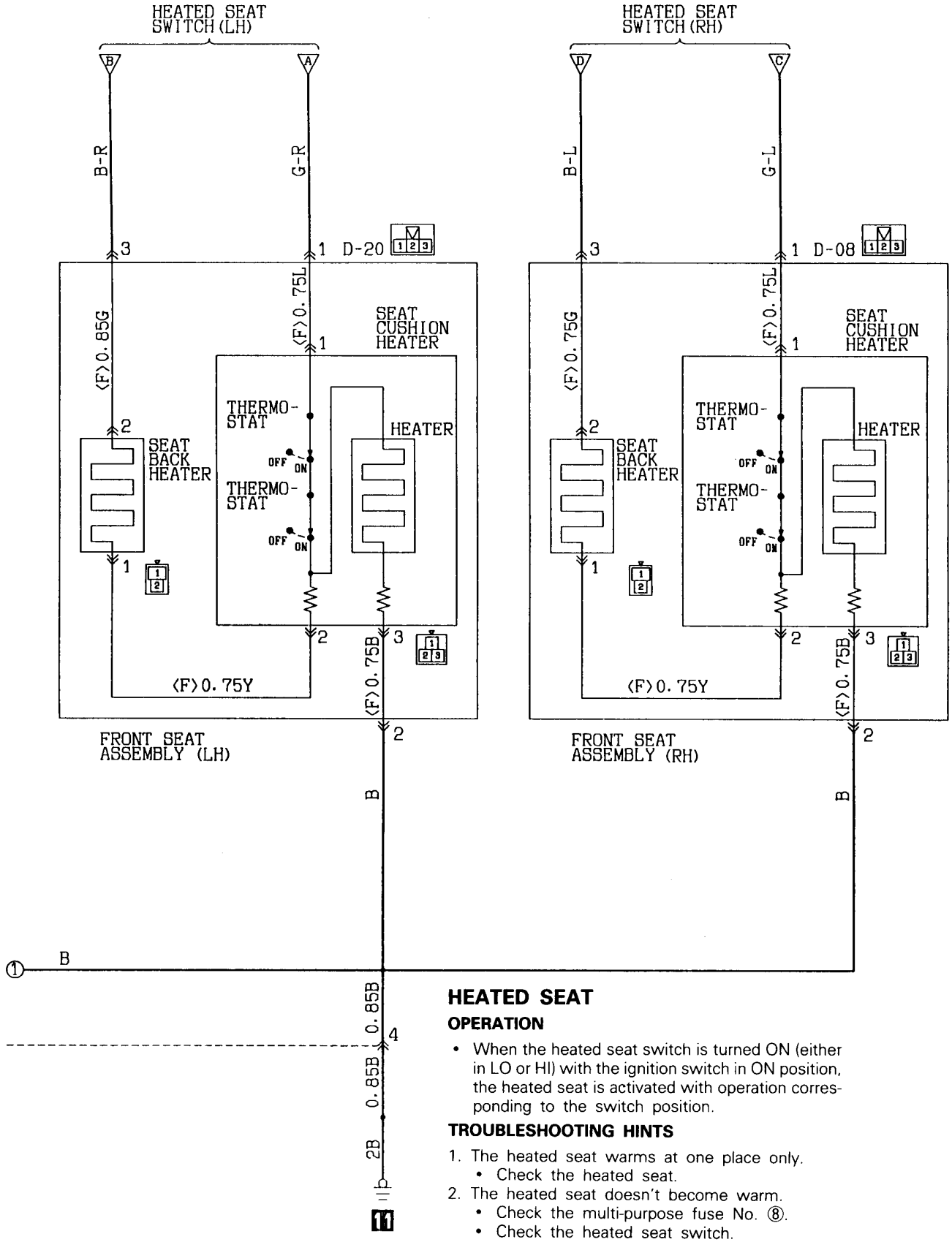
Wire colour code

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

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HEATED SEAT

OPERATION

- When the heated seat switch is turned ON (either in LO or HI) with the ignition switch in ON position, the heated seat is activated with operation corresponding to the switch position.

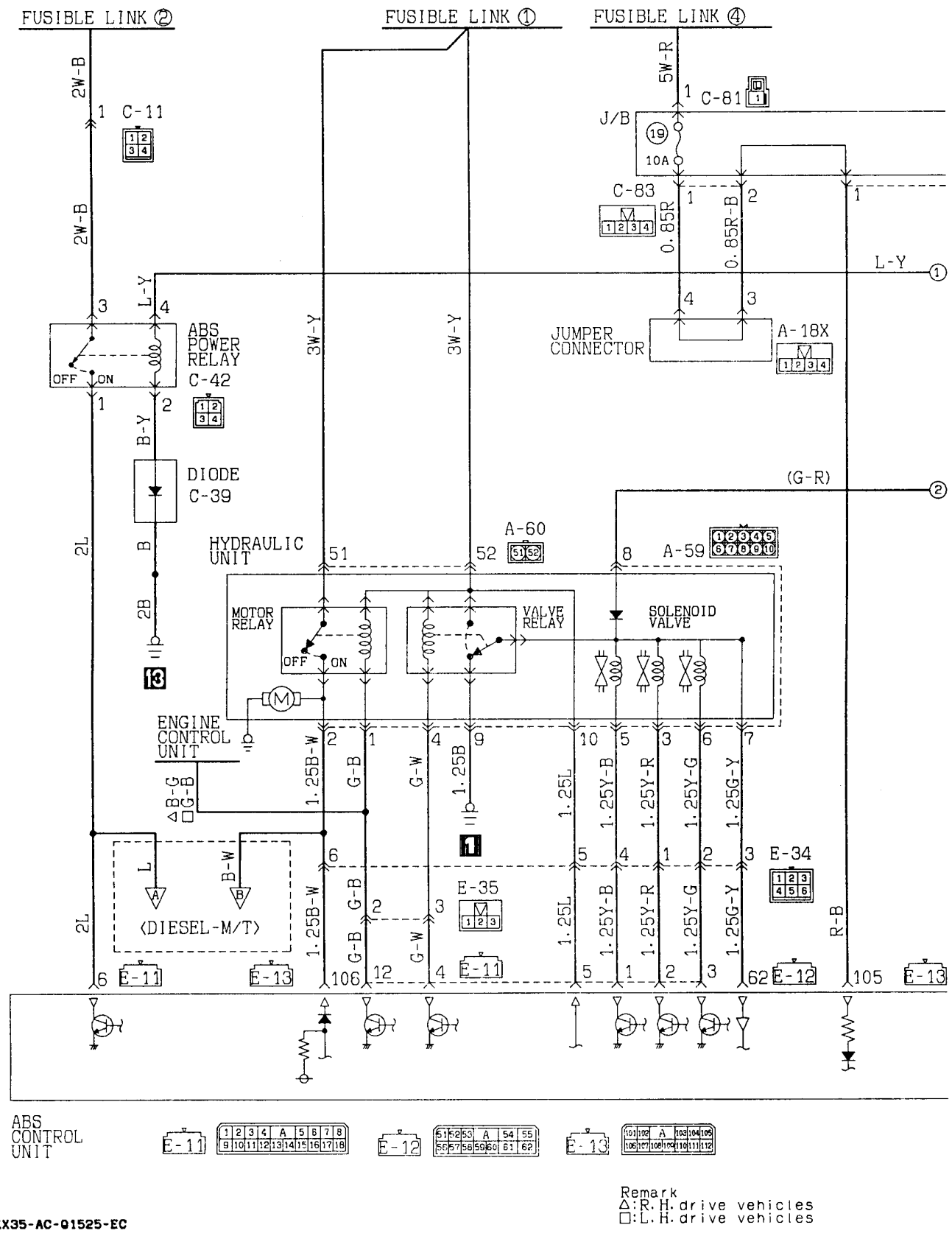
TROUBLESHOOTING HINTS

1. The heated seat warms at one place only.
   - Check the heated seat.
2. The heated seat doesn't become warm.
   - Check the multi-purpose fuse No. ⑧.
   - Check the heated seat switch.

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41 ANTI-SKID BRAKE SYSTEM

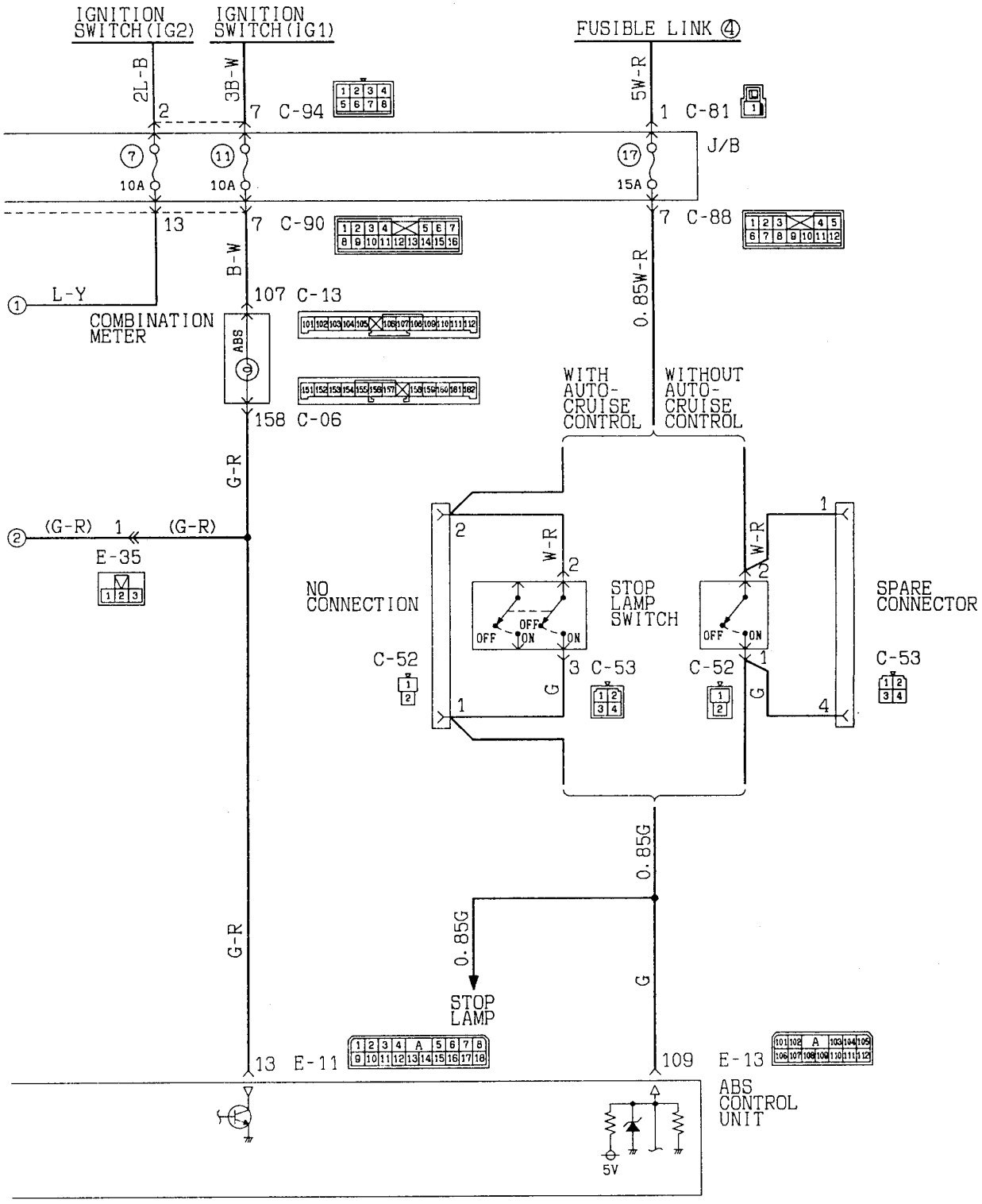


Remark
△: R.H. drive vehicles
□: L.H. drive vehicles

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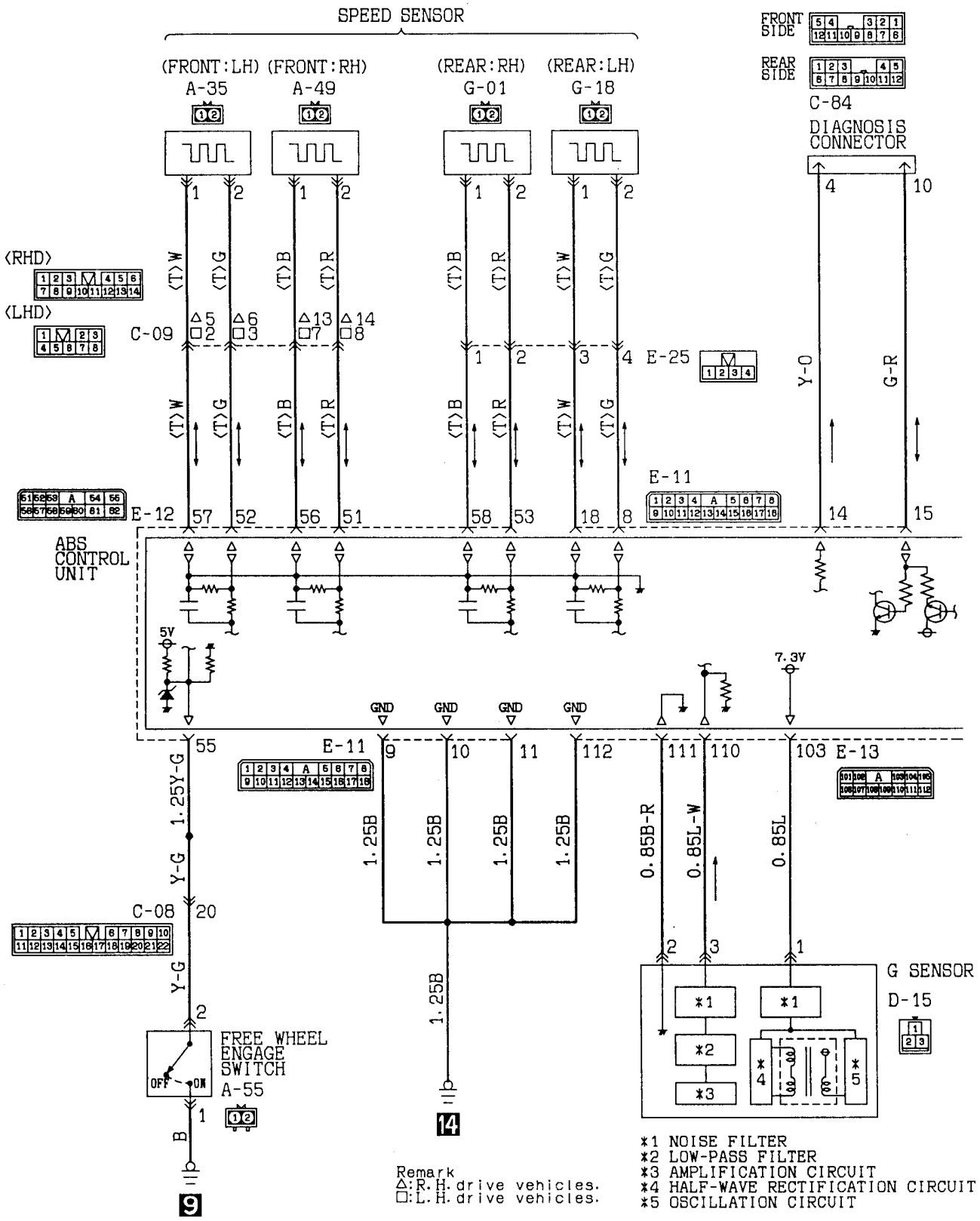


Wire colour code

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

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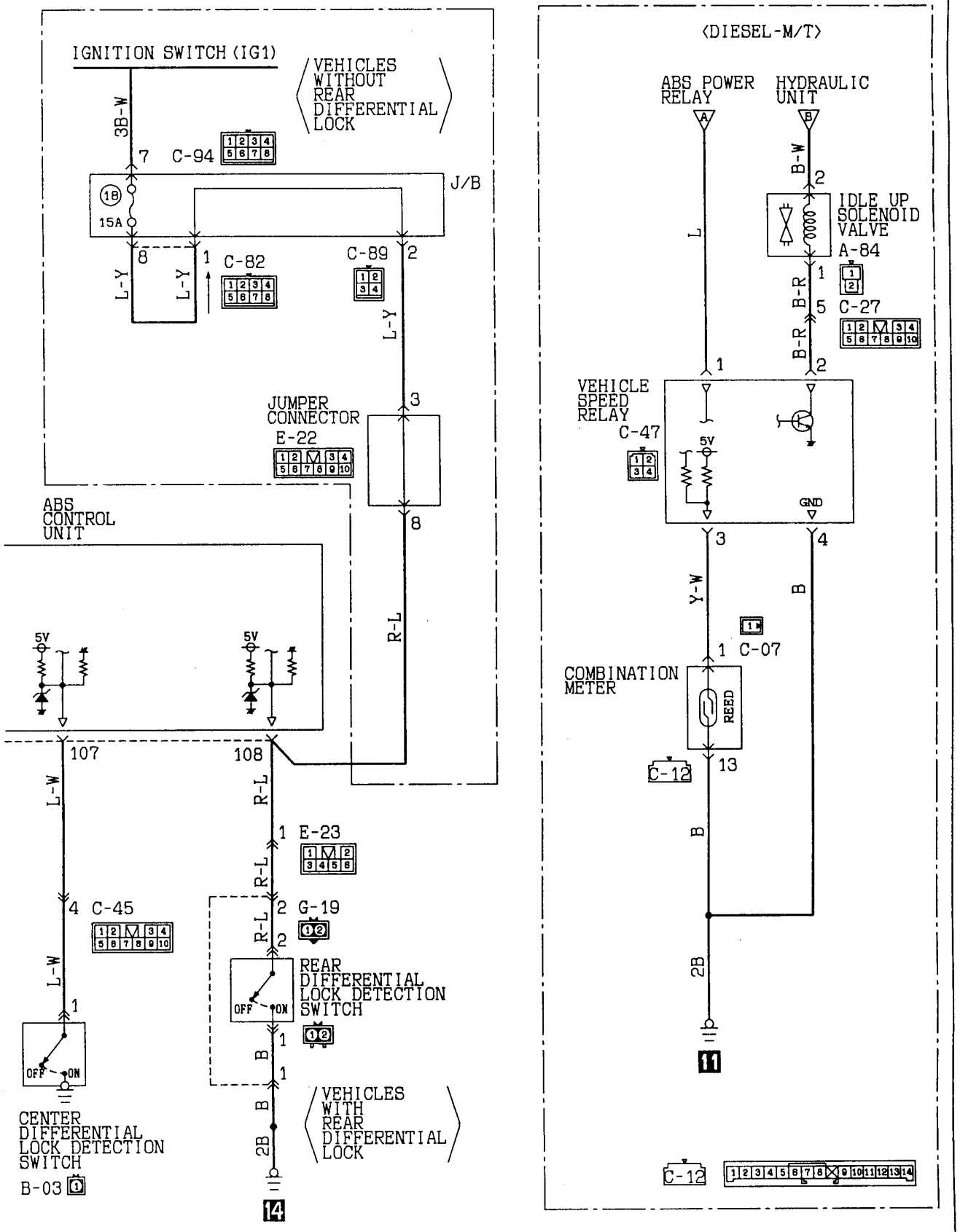
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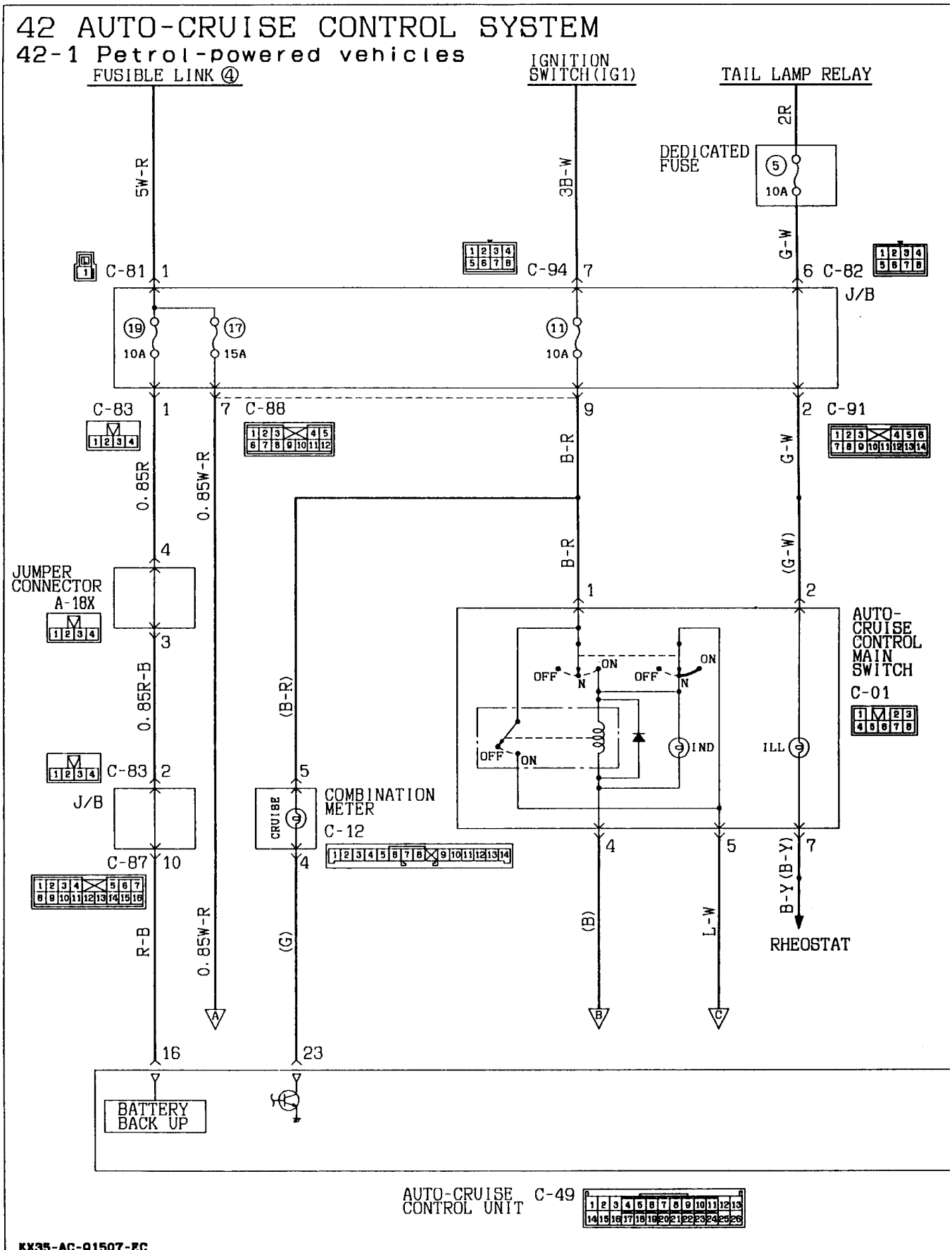
KX35-AC-01525A-EC

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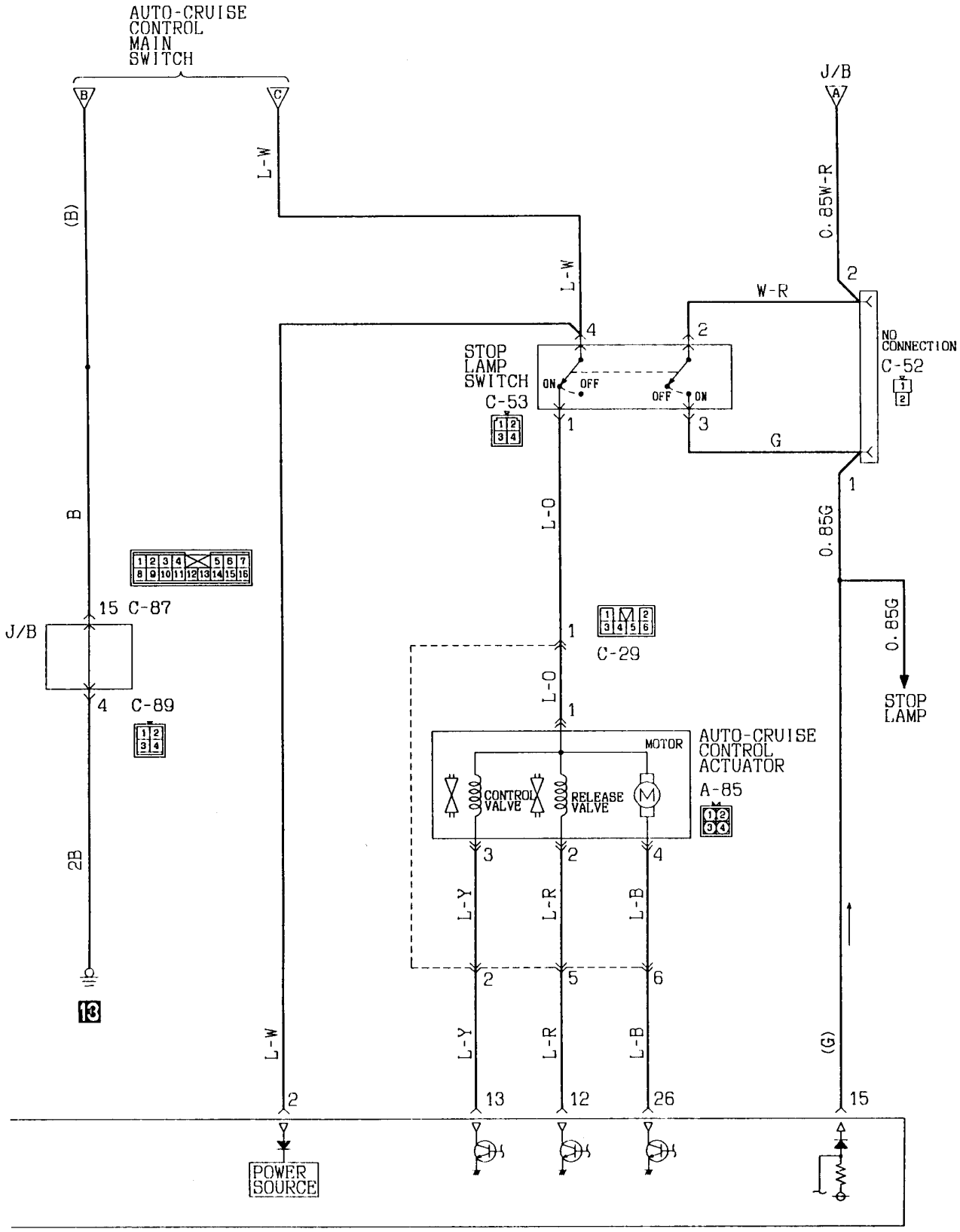


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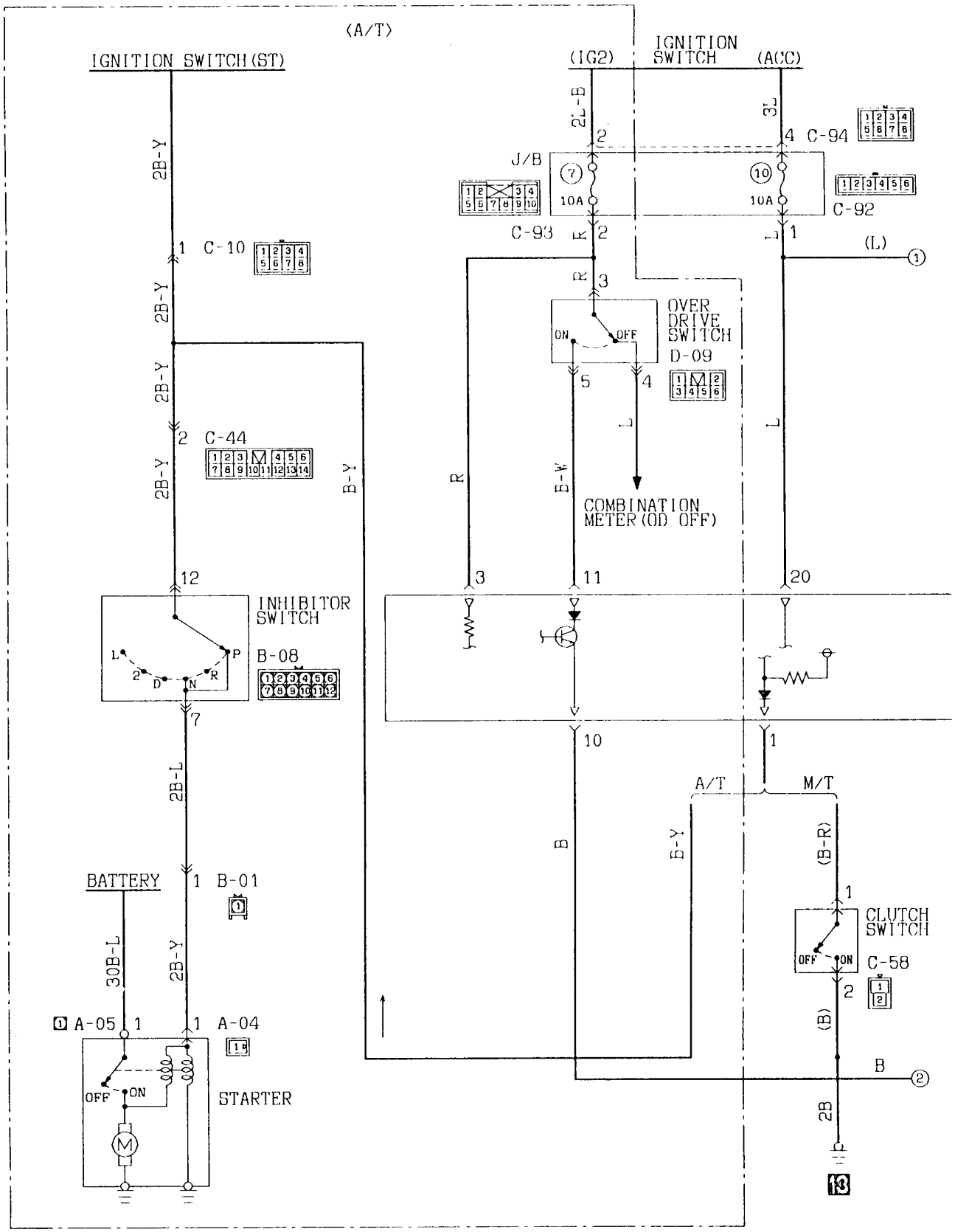
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Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

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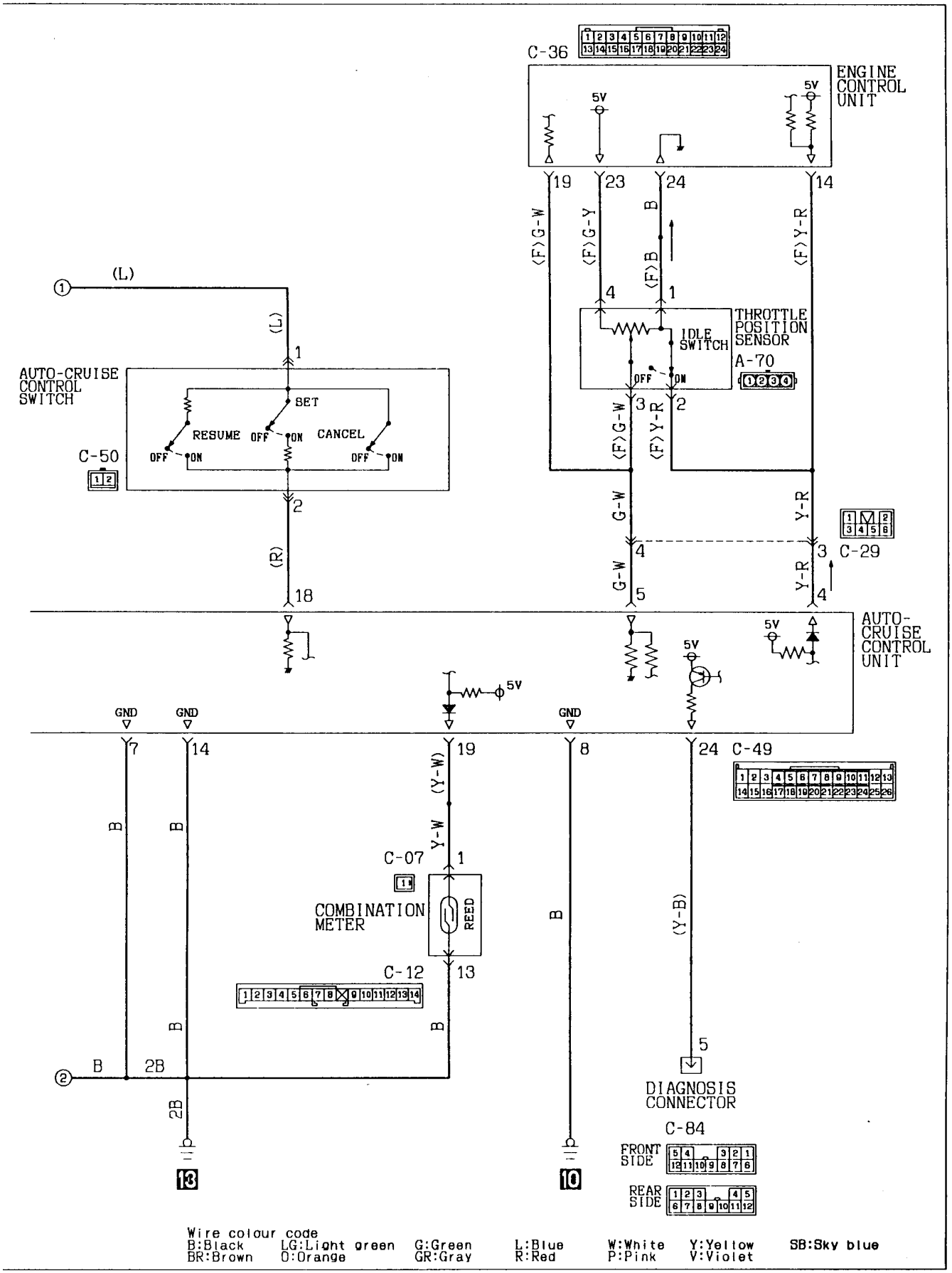
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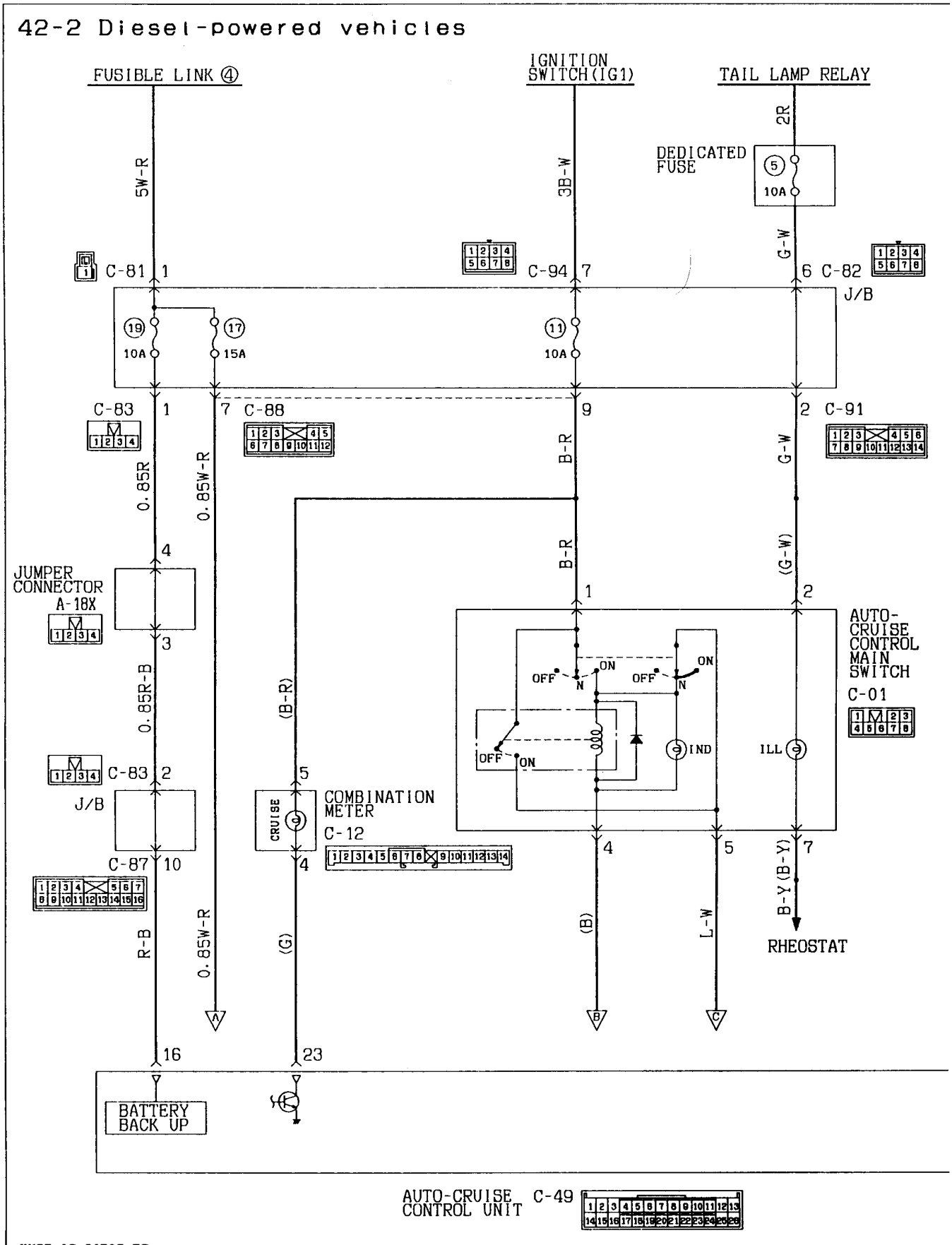


Wire colour code

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

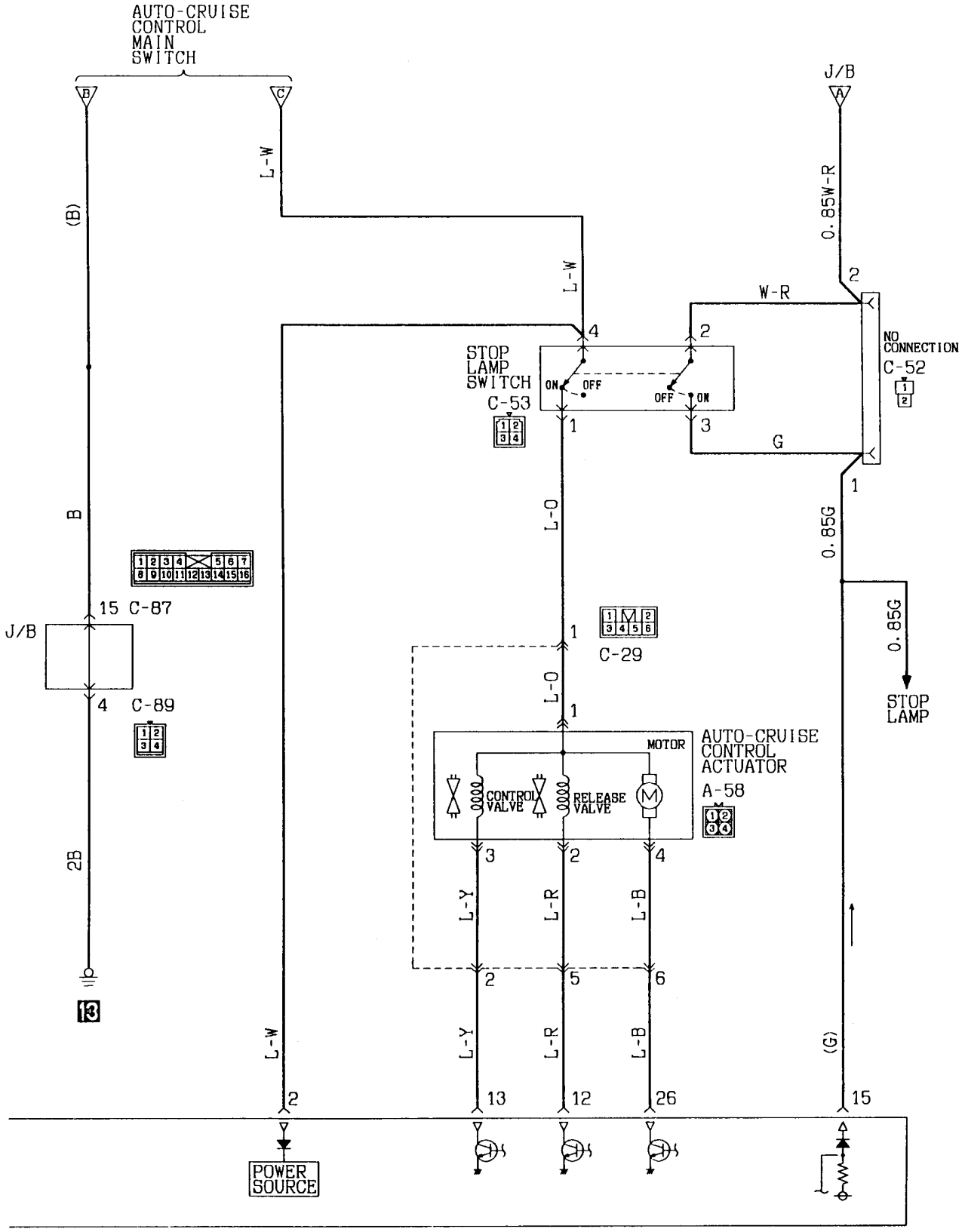
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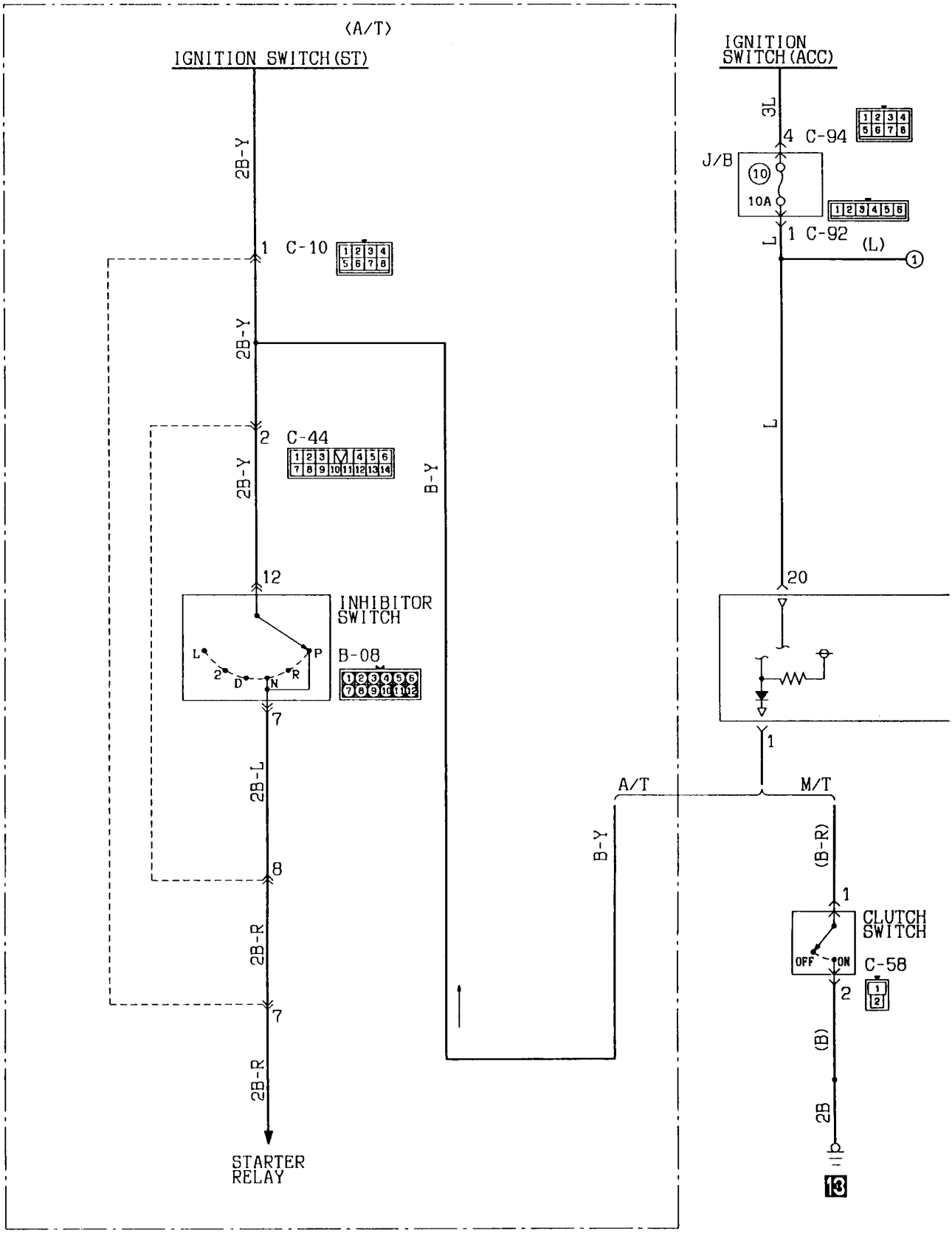


Wire colour code

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

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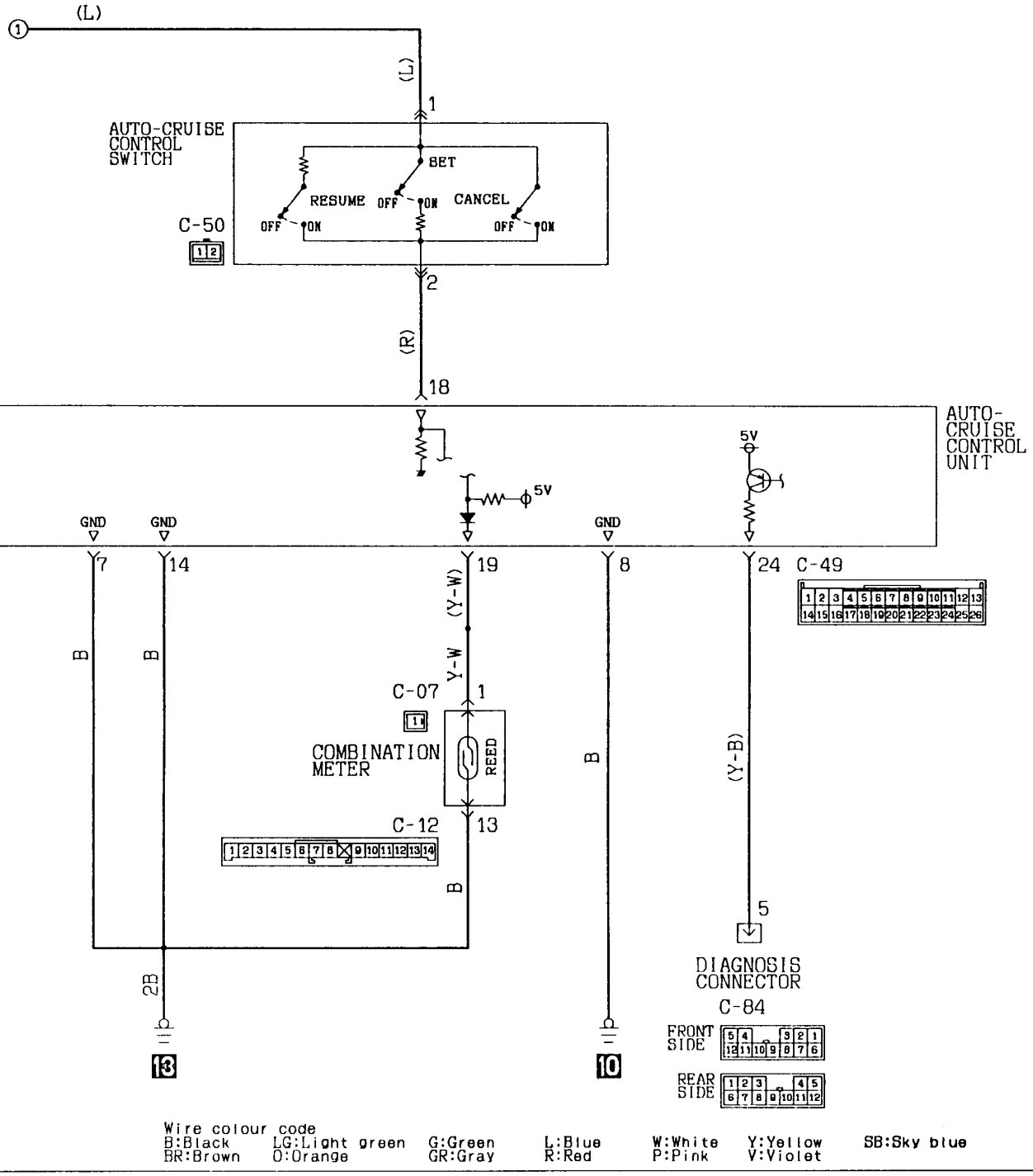
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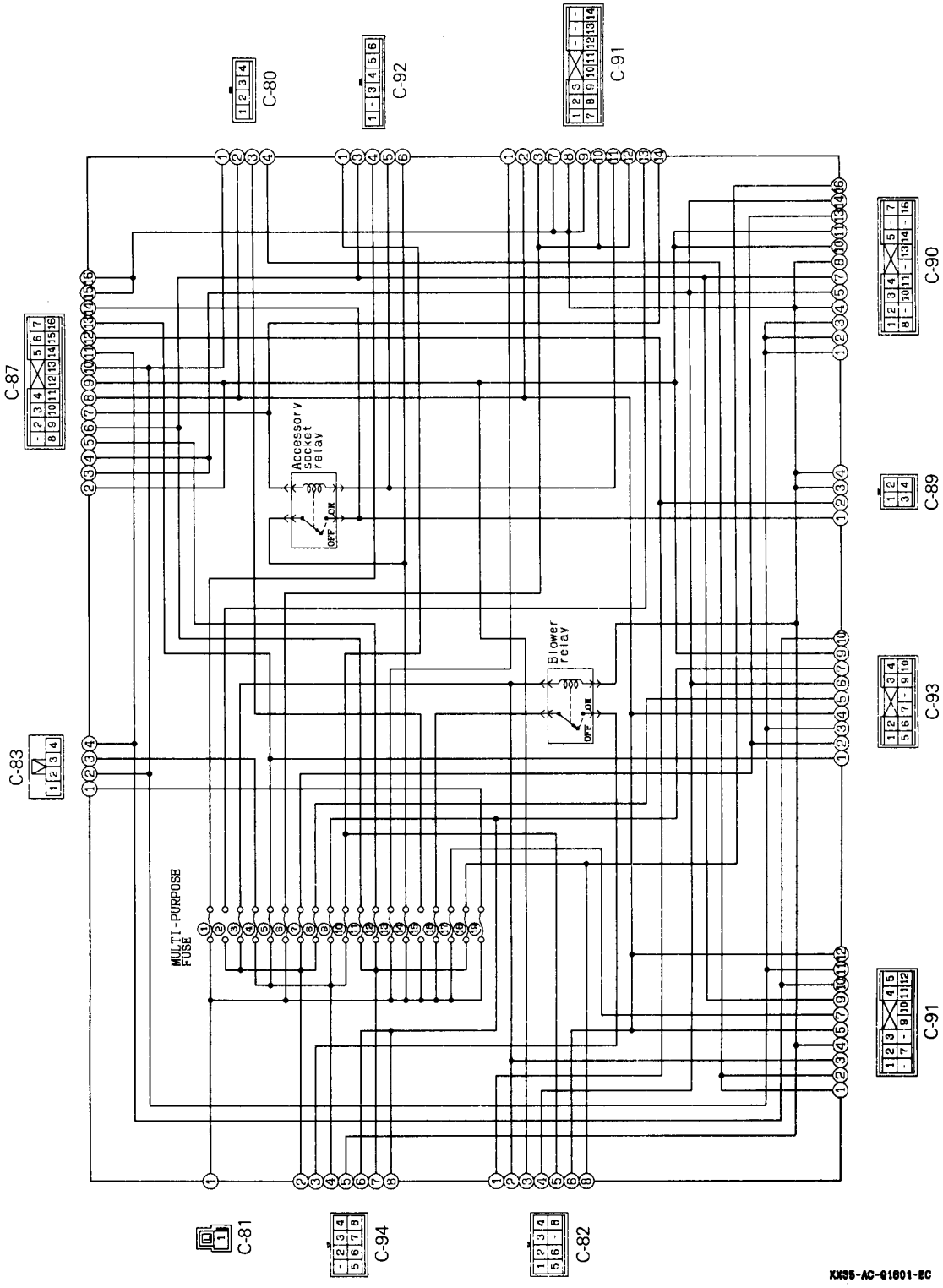
Wire colour code

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

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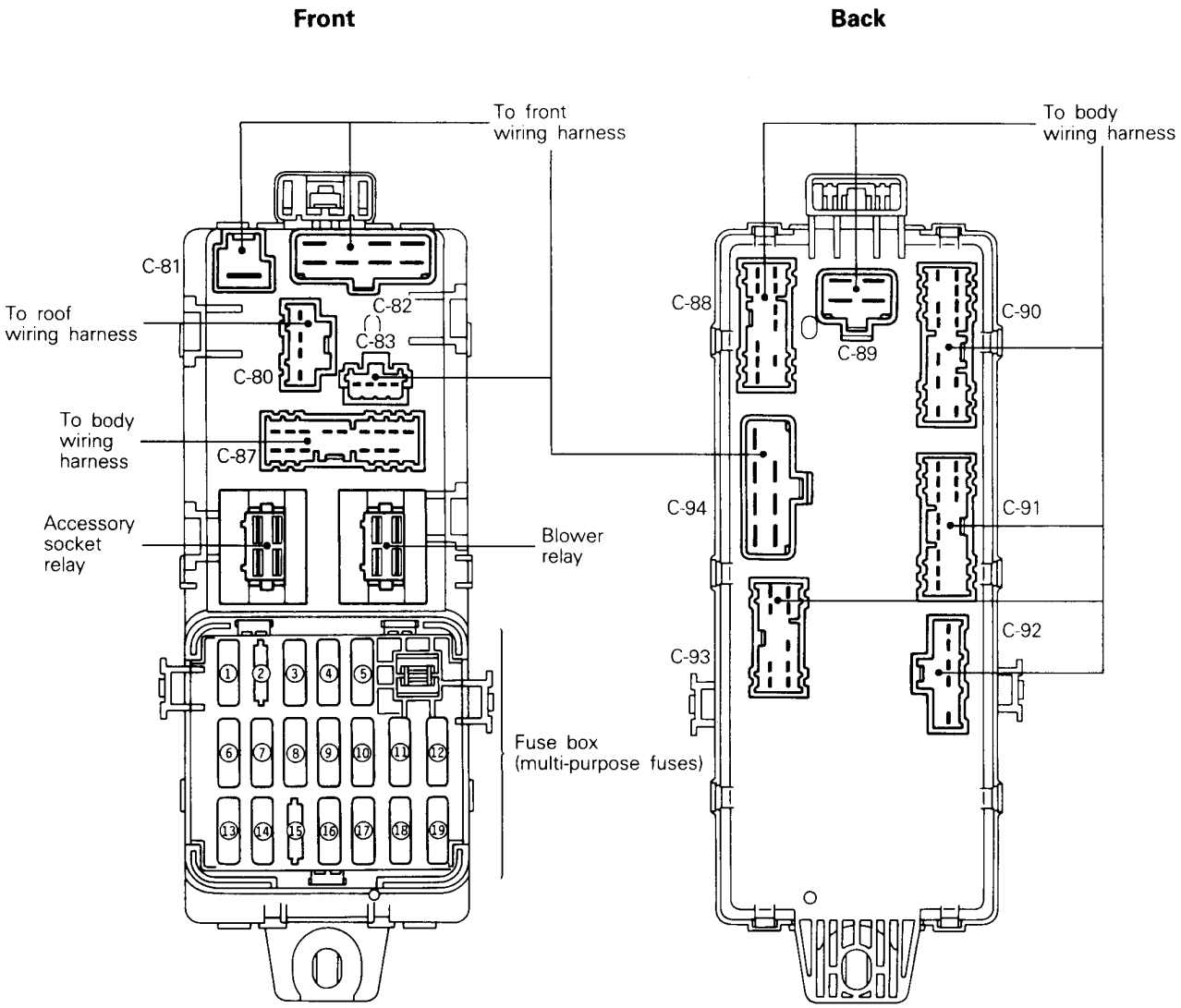
43 JUNCTION BLOCK



Remark
- Connector numbers are keyed to the configuration diagram (dashboard panel) and each circuit diagram.

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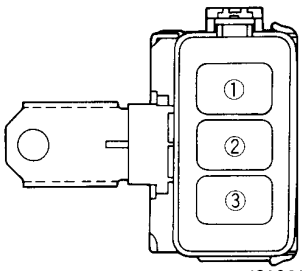
44 CENTRALIZED JUNCTION

FUSIBLE LINK

No.	Circuit	Housing colour	Rated capacity (A)
1	ABS circuit (hydraulic unit power source)	Yellow	60
2	ABS circuit (control unit power source)	Light blue	20
3	Glow control circuit	Black	80
4	Junction block (Multi-purpose fuse ①, ⑥, ⑬, ⑭, ⑯, ⑰, ⑲ A/C circuit)	Yellow	60
5	Alternator circuit	Blue	100
6	MPI and intercooler fan circuit	Light blue	20
7	Ignition switch and starting circuit	Green	40
8	——	——	——
9	——	——	——
10	Power window circuit	Pink	30
11	——	——	——
12	Condenser fan motor circuit	Pink	30
13	Alternator, headlamp and tail lamp circuit	Green	40

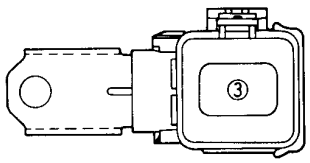
(Connected directly to battery positive terminal)

〈Vehicles with ABS〉



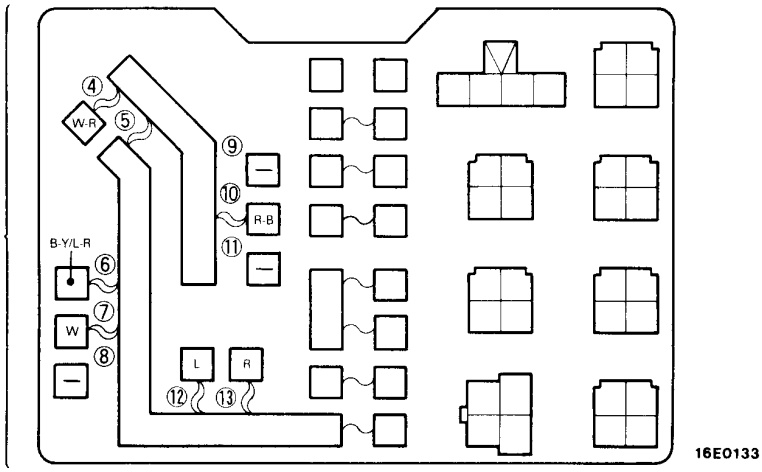
16A0336

〈Diesel-powered vehicles without ABS〉



16A0335

(Relay box in engine compartment)



16E0133

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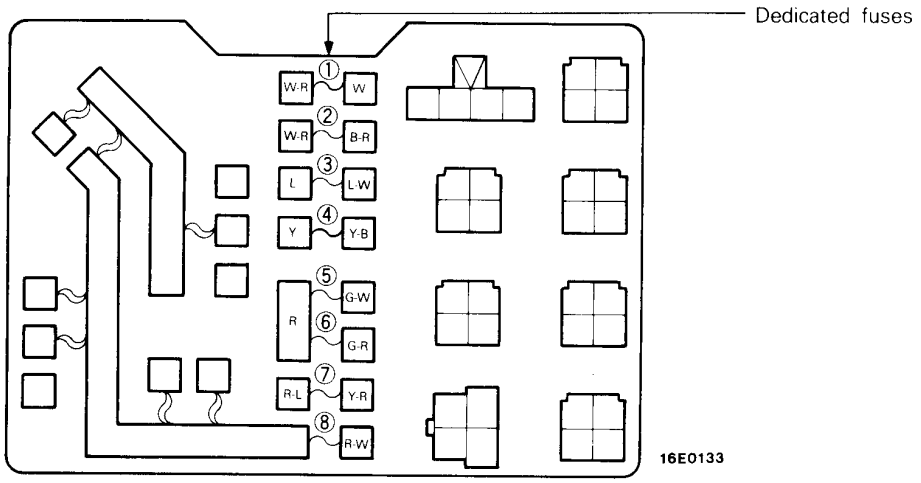
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DEDICATED FUSE

Power supply circuit	No.	Rated capacity (A)	Housing Colour	Circuit
Battery	1	15	Blue	Fuel line heater
Battery	2	10	Red	A/C compressor circuit
Battery	3	25*1	Transparent	Condenser fan motor circuit
		30*2	Green	
Headlamp relay (Battery)	4	10	Red	Rear fog lamp circuit
Tail lamp relay (Battery)	5	10	Red	Tail lamp circuit
Tail lamp relay (Battery)	6	10	Red	Tail lamp circuit
Headlamp relay (Battery)	7	10	Red	Upper beam indicator circuit
Battery	8	10	Red	Hazard lamp circuit
Ignition switch (IG2)	9	20	Yellow	Defogger circuit
Ignition switch (ACC)	10	15	Blue	Sunroof circuit

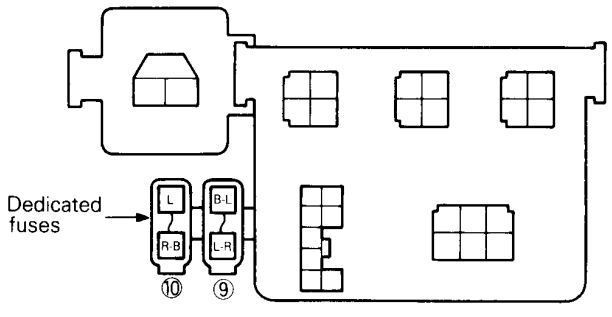
NOTE
(1) *1: Diesel-powered vehicles with single air conditioner.
*2: Diesel-powered vehicles with dual air conditioner.

(Relay box in engine compartment)

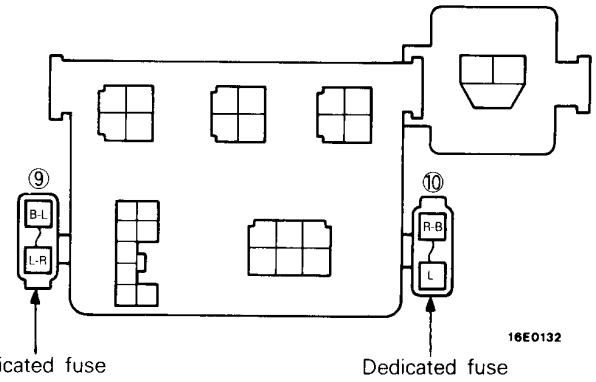


(Relay box in passenger compartment)

〈L.H. drive vehicles〉



〈R.H. drive vehicles〉



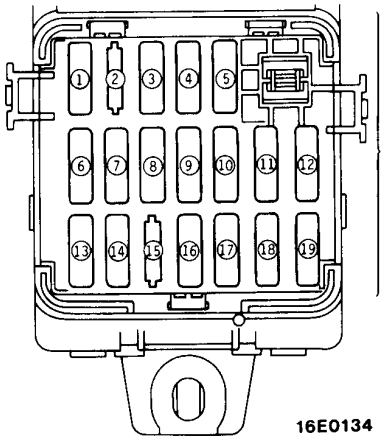
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MULTI-PURPOSE FUSES

Power supply circuit		No.	Rated capacity (A)	Load circuit
Battery		1	20	Rear A/C control unit
Ignition switch	(IG2)	2	—	—
		3	10	DRL control unit, blower relay, rear heater relay and headlamp washer relay
	(ACC)	4	10	Radio and clock
		5	15	Remote control mirror, cigarette lighter and accessory socket relay
Battery		6	15	Door lock control unit
Ignition switch	(IG2)	7	10	Over drive control relay, variable shock absorber control unit and ABS power relay
		8	10	Power window relay and heated seat
	(ACC)	9	15	Wiper and washer
		10	10	Horn and auto-cruise control unit
	(IG1)	11	10	Combination meter and motor antenna control unit
		12	10	Turn-signal lamp and hazard lamp
Battery		13	10	Rear heater blower motor
		14	15	Accessory socket
		15	—	—
		16	25	Blower motor
		17	15	Stop lamp
Ignition switch	(IG1)	18	15	Back-up lamp and rear differential lock control unit
Battery		19	10	Engine control unit, room lamp, map lamp, cargo space lamp, combination meter, clock, door lock control unit, radio, clock and auto-cruise control unit

(In junction block)



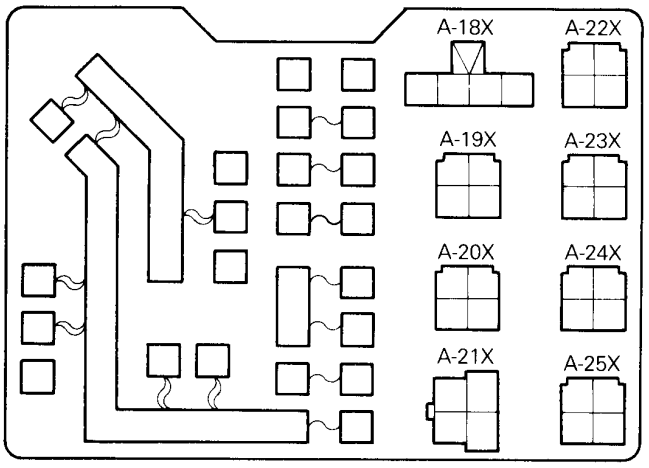
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CENTRALIZED RELAY

Classification		Name
Relay box in engine compartment	A-18X	Jumper connector
	A-19X	Headlamp relay
	A-20X	Intercooler fan motor relay
	A-21X	Alternator relay
	A-22X	Rear fog lamp relay
	A-23X	Tail lamp relay
	A-24X	Condenser fan motor relay
	A-25X	A/C compressor relay

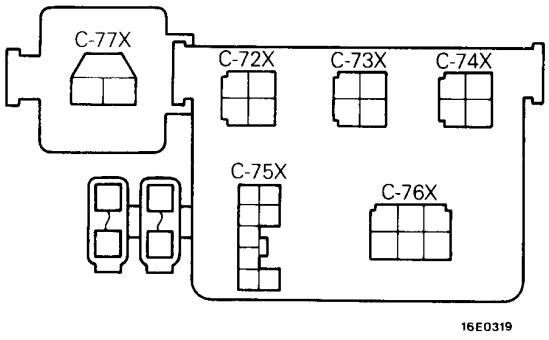
Classification		Name
Relay box in passenger compartment	C-72X	——
	C-73X	Rear heater relay
	C-74X	Power window relay
	C-75X	Door lock control unit
	C-76X	Rear intermittent wiper relay
	C-77X	Turn and hazard flasher unit

(Relay box in engine compartment)

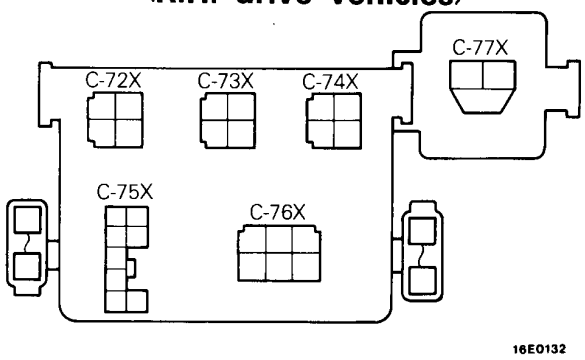


(Relay box in passenger compartment)

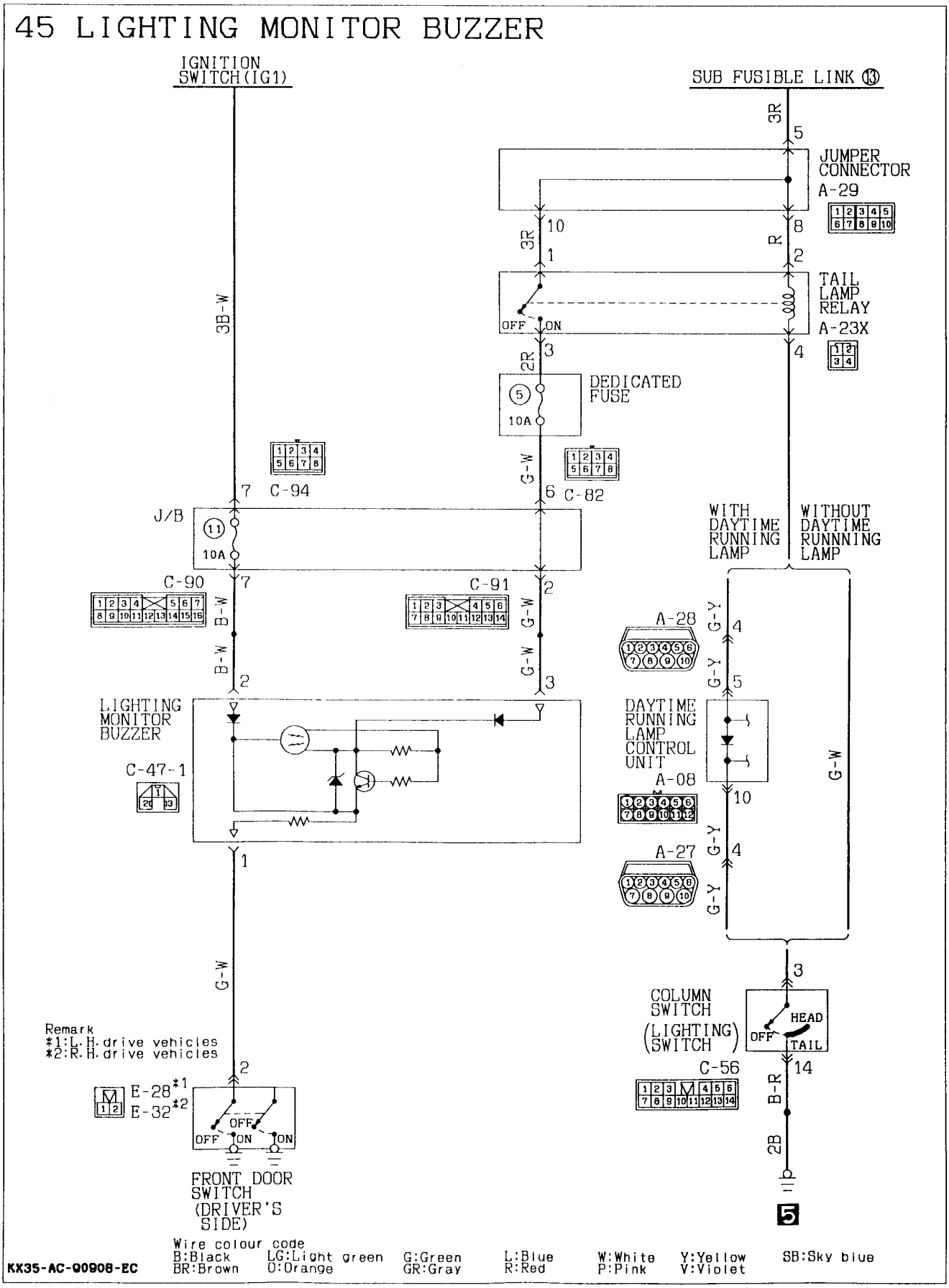
〈L.H. drive vehicles〉



〈R.H. drive vehicles〉



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LIGHTING MONITOR BUZZER (See P. 4-188.)

OPERATION

- Placing the lighting switch in the TAIL or HEAD position causes the tail lamp relay to be energized.
- When the ignition switch is in the "OFF" position in this condition, if the driver's side door is opened and the front door switch turns "ON", the buzzer sounds to indicate that the lamps are not switched off.

TROUBLESHOOTING HINTS

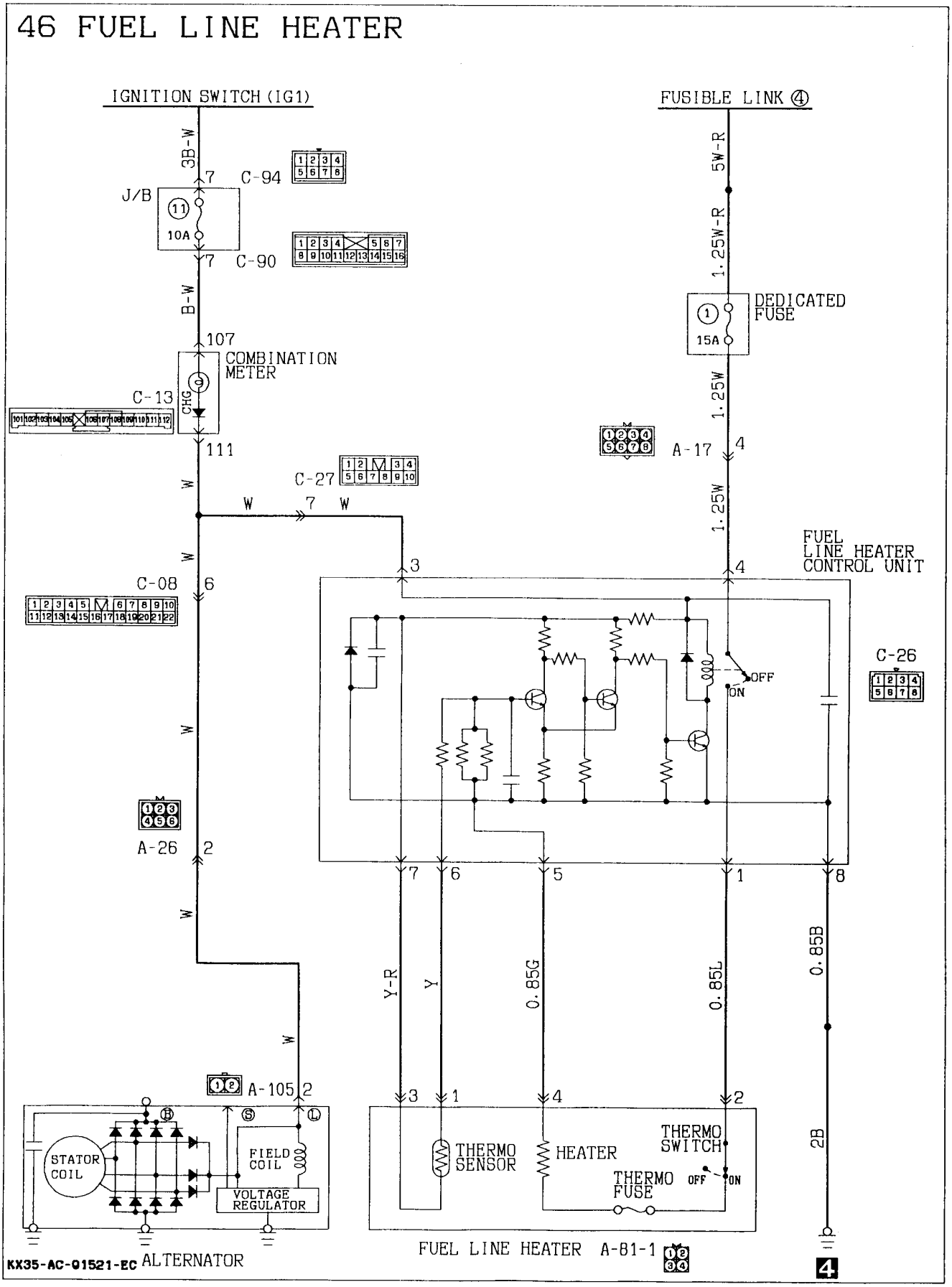
1. Lighting monitor buzzer doesn't sound
   (1) But the tail lamps do illuminate.
      - Check the lightning monitor buzzer.
      - Check the front door switch (driver's side).
   (2) The tail lamps also don't illuminate.
      - Check the sub fusible link No. ⑬.
      - Check the dedicated fuse No. ⑤.

FUEL LINE HEATER CIRCUIT (See P. 4-190.)

OPERATION

- When the engine is started, the fuel thermo sensor operates to detect the fuel temperature. If the fuel temperature drops below 0~6°C (32~43°F), the fuel line heater control unit operates to turn the heater on in order to warm the fuel. When the fuel temperature is between 1.5~7.5°C (34.5~45.5°F), the heater turns off.
- If there is a malfunction of the fuel thermo sensor and the heater becomes too warm, the thermo switch operates when the temperature becomes 36~46°C (97~115°F) to turn the heater circuit off. If there is a malfunction of the thermo switch, the thermo fuse will burn out at 114~124°C (237~255°F) to fully isolate the heater circuit.

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