FOREWORD

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2011.50 Ranger

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1

General Information

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DESCRIPTION AND OPERATION

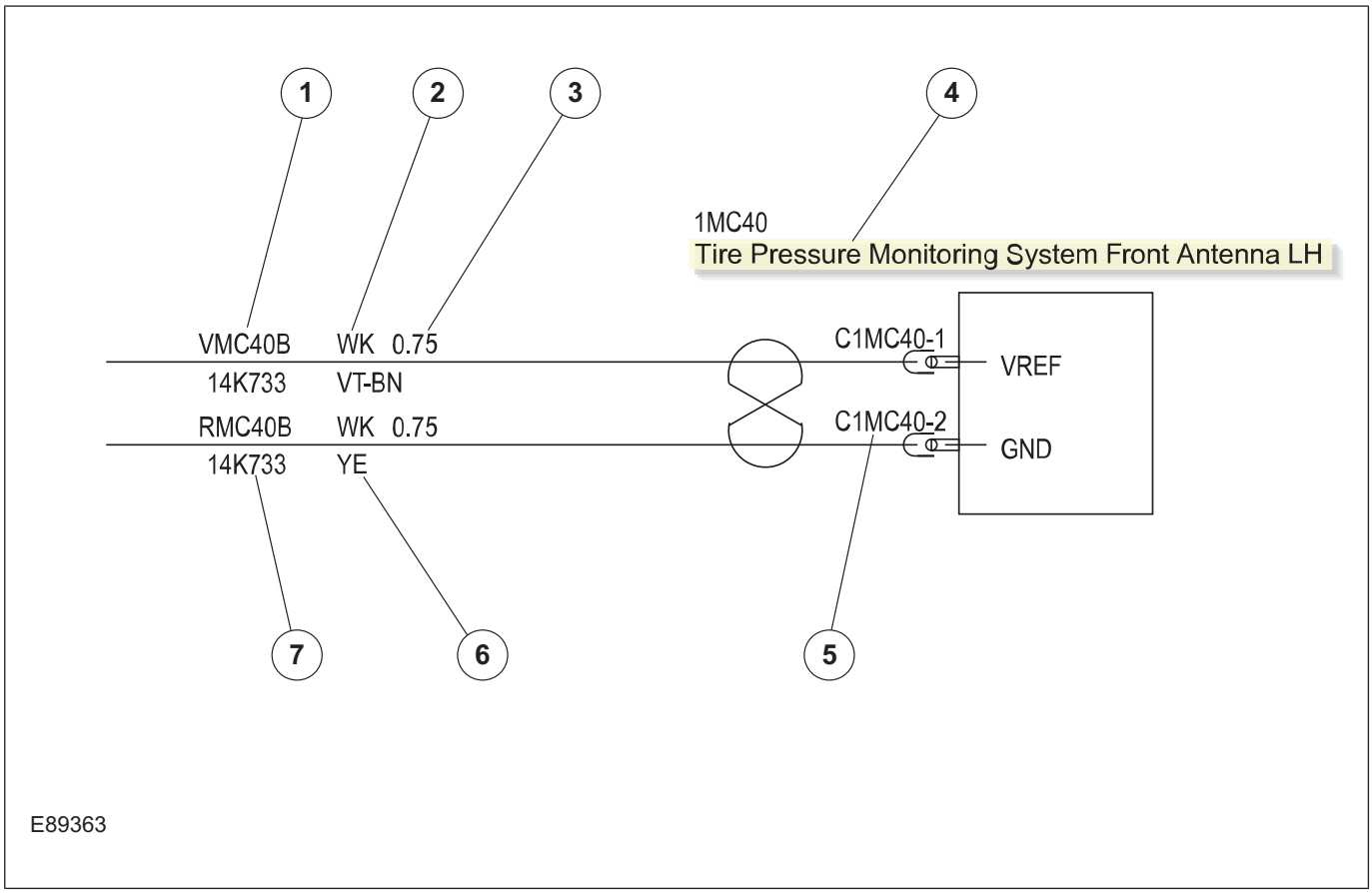
About This Manual

How to Use This Manual

This manual is structured into Systems, Groups and Sections. A System covers a specific portion of the vehicle. The manual is divided into six Systems: General Information, Chassis, Powertrain, Electrical, Body and Paint and General Wiring Information. Each System contains a number of Groups that contain a number of Sections relating to specific vehicle systems. Each Section contains a wiring diagram containing all of the information relating to the specific vehicle system. Some Sections contain a number of wiring diagrams that cover a number of different vehicle variants. Connector location information and connector face views are provided through links within the wiring diagram for each vehicle system.

Example: Chassis > Brake System > Anti-Lock Control (System > Group > Section)

Wiring Diagram Format



Item	Description
1	Circuit code
2	Wire insulation specification (temperature)
3	Wire diameter (mm²)

Item	Description
4	Component name
5	Connector code
6	Wire color code
7	Wiring harness code

Circuit Code

DESCRIPTION AND OPERATION

Position	Description
1	Electrical potential
2	System
3	Sub-system
4 and 5	Function
Some circuit codes also have a suffix. Suffices are used when parts of a circuit are separated with a connector.	

Position 1: Potential

Code	Description
G	GND (ground)
S	Standard voltage
H	Higher than standard voltage
C	Changing or switched
V	Variable signal
L	Lower than standard voltage
R	Return or reference
D	Drain wire
Z	Any of the above with a temporary function

Position 2: System

Code	Description
A	Special vehicle
B	Circuit protection
C	Chassis
D	Electrical distribution
E	Engine and transmission
H	Heating
L	Lighting
M	Multimedia (Information and entertainment)
P	Power convenience
R	Supplemental restraints
Y	Hybrid electric powertrain

DESCRIPTION AND OPERATION

Position 3: Sub-system

System Code	Sub-system Code	Description
A	1	Temporary functions for any sub-system
A	2	Temporary functions for any sub-system
A	3	Temporary functions for any sub-system
A	A	Ambulance
A	C	Customer access
A	P	Police
A	T	Trailer tow
A	X	Taxi
B	1	AJB (auxiliary junction box)
B	B	BJB (battery junction box), EJB (engine junction box)
B	F	Pre-fuse box
B	K	Power pack circuit protection
B	P	CJB (central junction box)
B	R	RJB (rear junction box)
B	X	Special power circuits
C	A	Anti-lock control, traction control, stability assist
C	B	Brake system
C	D	Adaptive damping
C	F	Four-wheel drive
C	L	Suspension
C	S	Power steering
D	1	GND points
D	9	Special GND and return circuits
D	B	Diagnostic bus
D	C	Charging, starting, cigar lighter, power outlet socket
D	F	Fuse link wires, mega fuse
E	1	PCM (powertrain control module)
E	2	PCM
E	3	PCM
E	4	PCM
E	5	Powertrain controller, diode, driver, monitor, pump
E	6	Powertrain relay, resistor, runner

DESCRIPTION AND OPERATION

System Code	Sub-system Code	Description
E	7	Powertrain sensor
E	8	Powertrain sensor
E	9	Powertrain switch, transducer, valve
E	C	Engine cooling
E	S	Speed control
E	T	Transmission/transaxle, differential, axle
H	1	Climate control module
H	2	Climate control module
H	3	Climate controls
H	4	Climate control relay, resistor, sensor, switch, transducer
H	A	Auxiliary climate control
H	C	Engine block heater
H	F	Fuel fired booster heater
H	P	Electric booster heater
H	S	Heated seats
L	F	Front lamps
L	N	Interior lamps, courtesy lamps, instrument panel illumination
L	S	Rear lamps, turn signal lamps
M	C	Instrument cluster, information and message center, tachograph
M	E	Information and entertainment
M	F	Forward collision avoidance
M	M	Communication, cellular phone, voice control
M	N	Navigation
M	P	Parking aid
M	R	Rear passenger entertainment
M	T	Telematics
P	K	Keyless vehicle
P	L	Locks
P	M	Rear view mirrors
P	P	Adjustable pedals, steering column
P	R	Power roof, doors, side steps
P	S	Power seats

DESCRIPTION AND OPERATION

System Code	Sub-system Code	Description
P	W	Power windows
R	1	RCM (restraints control module), air bag module, side air curtain module
R	2	Impact sensor, PAD (passenger air bag deactivation) switch
R	B	Blind spot monitoring
R	D	Heated windshield, rear window, mirrors, washer jets
R	H	Horn
R	P	Pedestrian protection
R	T	Anti-theft
R	W	Windshield wipers and washers, rear window wiper and washer, headlamp washers
Y	A	DC (direct current)/AC (alternating current) inverter
Y	B	Traction battery
Y	D	DC/AC converter
Y	T	Hybrid power split transmission/transaxle

Wire Insulation Specification (Temperature)

Code	Temperature
WA	100°C
WK	125°C
WE	150°C

Connector Code - Component, GND and Splice

Code Position	Description
1	C = connector, G = GNDand S = splice
2	Connector location
3	System
4	Sub-system
5	Function
6	Function
7	Suffix (only used if multiple connectors exist)
Connector locations are shown graphically and displayed by selecting the appropriate link on the wiring diagram.	

DESCRIPTION AND OPERATION

Connector Code - Harness Connectors

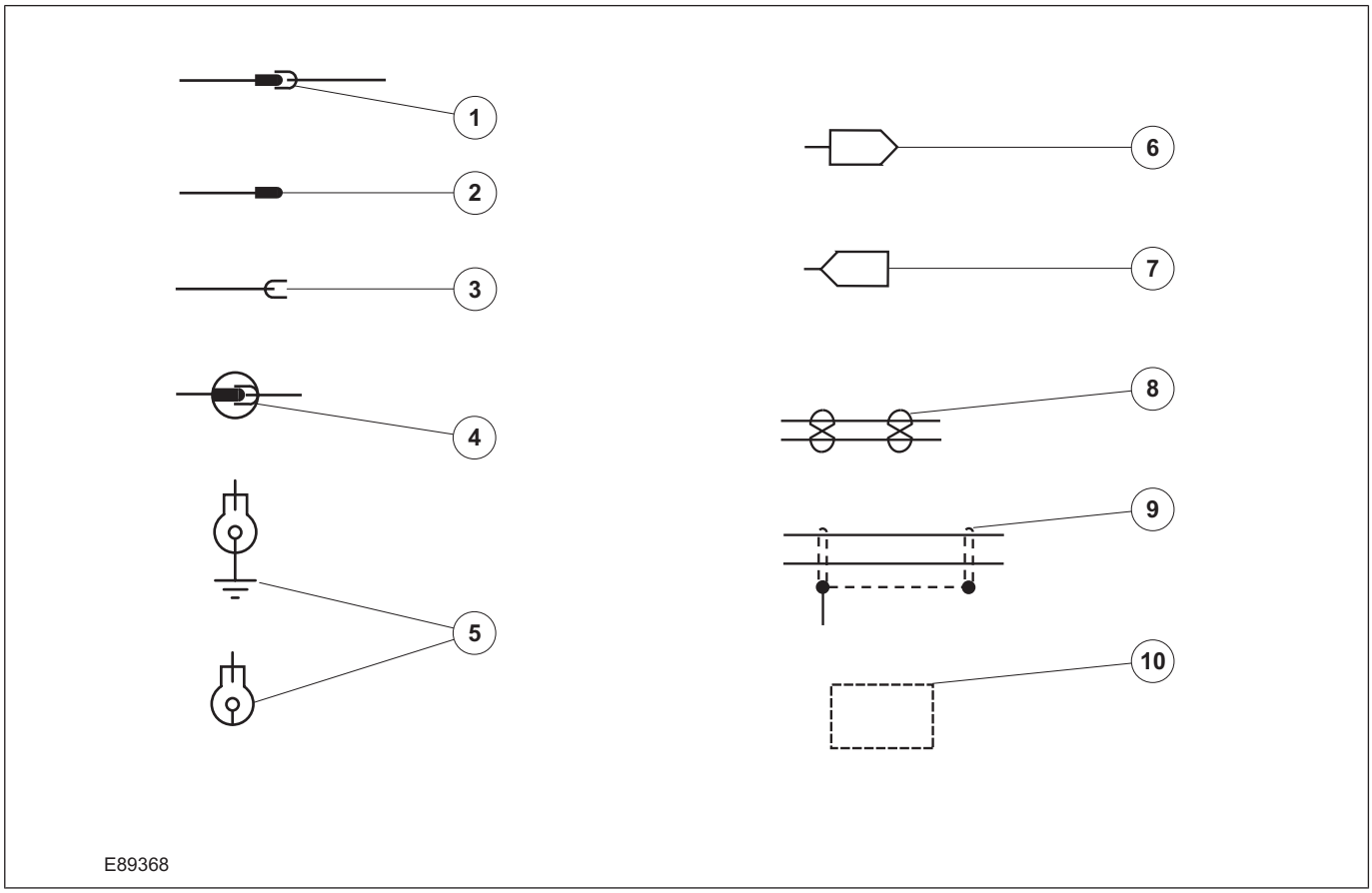
Code Position	Description
1	C = connector
2	Connector location
3	Location of the connected system
4	Suffix (only used if multiple connectors exist)
Connector locations are shown graphically and displayed by selecting the appropriate link on the wiring diagram.	

Wire Color Code

Code	Color
BK	Black
BN	Brown
BU	Blue
GN	Green
GY	Gray
LG	Light green
NA	Natural
OG	Orange
PK	Pink
RD	Red
SR	Silver
VT	Purple
WH	White
YE	Yellow

DESCRIPTION AND OPERATION

Symbols Glossary



Item	Description
1	In-line connector
2	Male connector
3	Female connector
4	Pins with special coating (e.g. gold)
5	Ground
6	Off-page reference (to)
7	Off-page reference (from)
8	Twisted pair
9	Screened cables
10	Part of a component

GROUP

2 Chassis

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SECTION 205-02 Rear Drive Axle/Differential

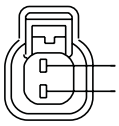
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Electronic Locking Differential (ELD) Solenoid (G1438393)



1	CBB23B	BN-YE	2TCD	0.75	+	CBB23D	BN-YE	2TCD	0.75
2	GD476L	BK-WH	2TCD	0.75					

XR3T-14A464-AA

C4CF31
TO DIFF LOCK SOLENOID

HARNESS 14A333

SECTION 206-05 Parking Brake and Actuation

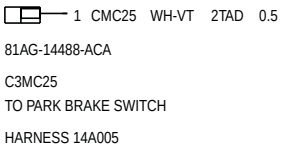
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Parking Brake Warning Indicator Switch (G1403890)



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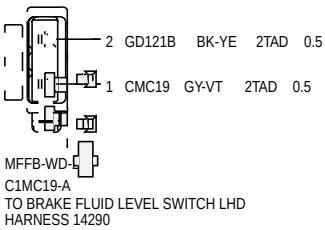
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Low Brake Fluid Warning Indicator Switch (G1403892)



Low Brake Fluid Warning Indicator Switch—A (G1403894)



SECTION 206-09A Anti-Lock Control

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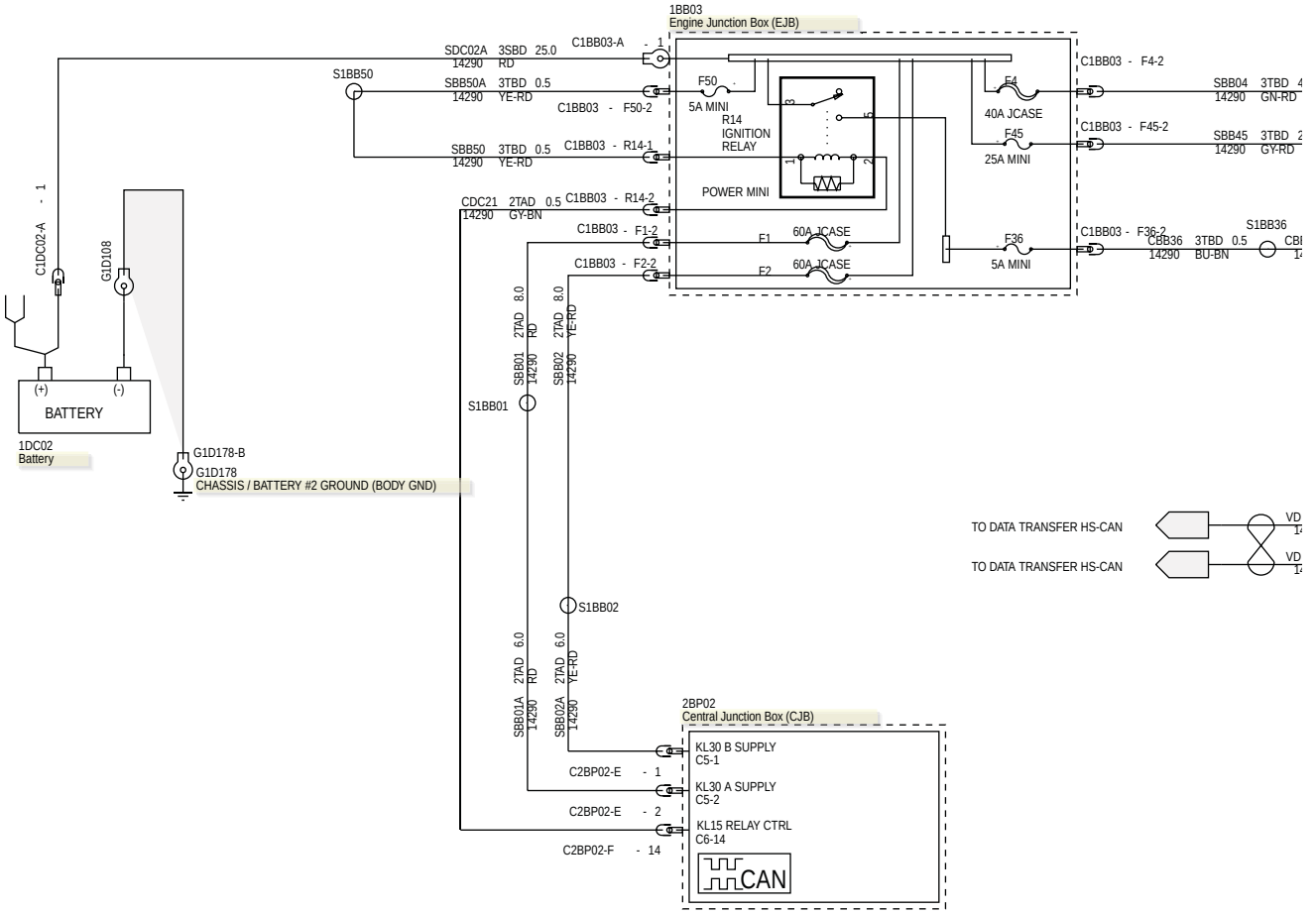
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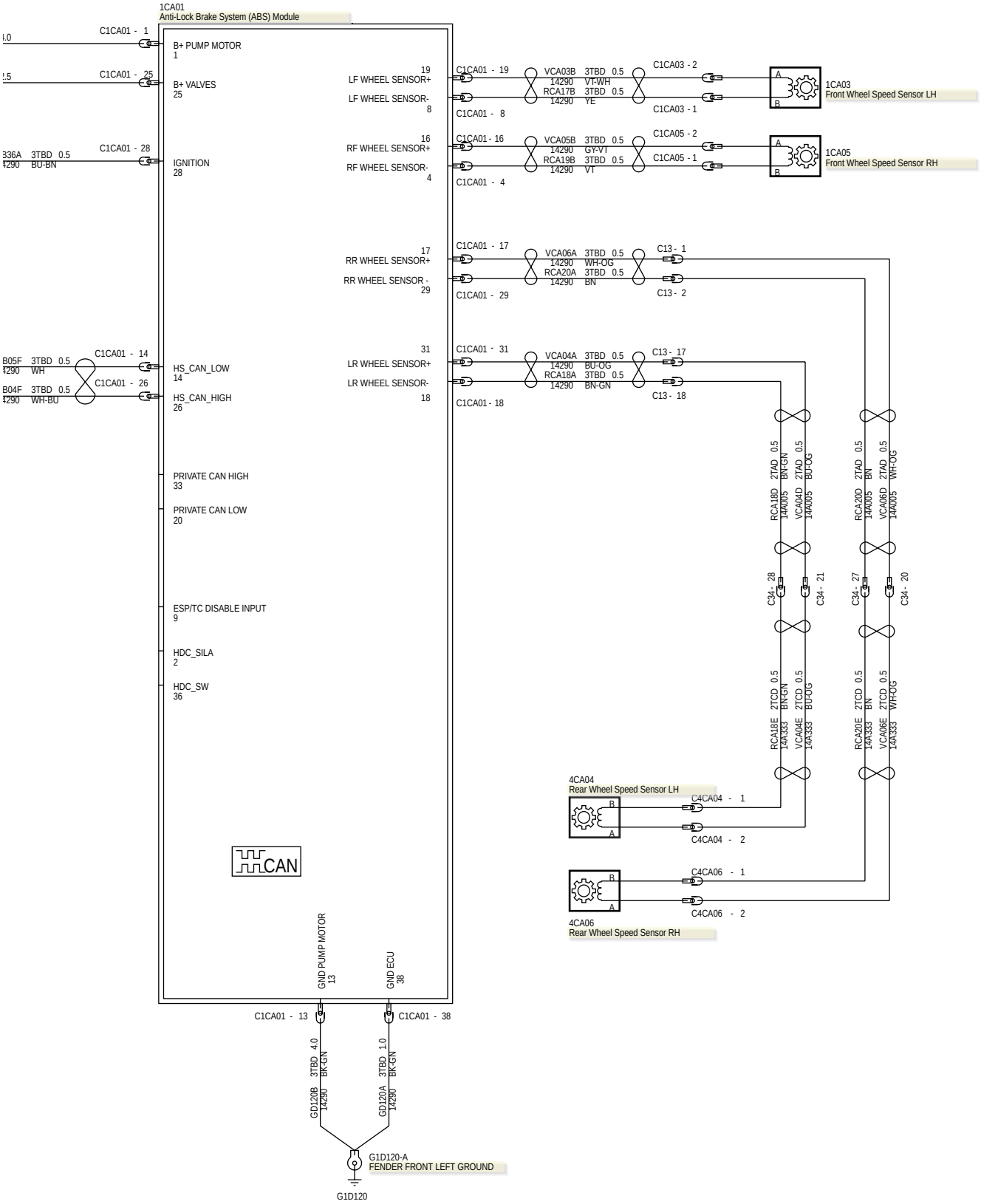
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Anti-Lock Control..... 206-09A-2

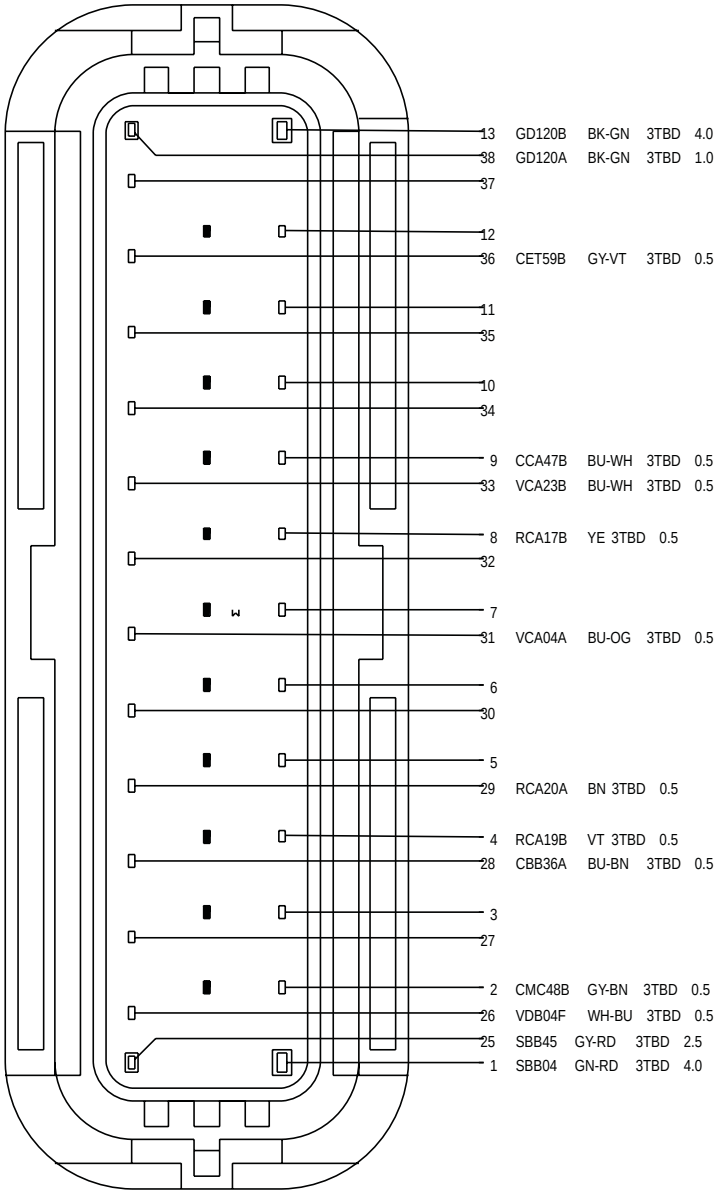
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Front Wheel Speed Sensor RH..... 206-09A-5
Rear Wheel Speed Sensor LH..... 206-09A-5
Rear Wheel Speed Sensor RH..... 206-09A-5


1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
SDC02A 3SBD 25.0 14290 RD
S1BB50
SBB50A 3TBD 0.5 14290 YE-RD
C1BB03 - F50-2
SBB50 3TBD 0.5 14290 YE-RD
C1BB03 - R14-1
CDC21 2TAD 0.5 14290 GY-BN
C1BB03 - R14-2
C1BB03 - F1-2
C1BB03 - F2-2
F50
5A MINI
R14
IGNITION RELAY
POWER MINI
F1
60A JCASE
F2
60A JCASE
F4
40A JCASE
F45
25A MINI
F36
5A MINI
C1BB03 - F4-2
C1BB03 - F45-2
C1BB03 - F36-2
SBB04 3TBD 4 14290 GN-RD
SBB45 3TBD 2 14290 GY-RD
S1BB36
CBB36 3TBD 0.5 14290 BU-BN
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
1DC02
Battery
G1D178-B
G1D178
CHASSIS / BATTERY #2 GROUND (BODY GND)
SBB01 2TAD 8.0 14290 RD
SBB02 2TAD 8.0 14290 YE-RD
S1BB01
S1BB02
SBB01A 2TAD 6.0 14290 RD
SBB02A 2TAD 6.0 14290 YE-RD
2BP02
Central Junction Box (CJB)
C2BP02-E - 1
C2BP02-E - 2
C2BP02-F - 14
KL30 B SUPPLY
C5-1
KL30 A SUPPLY
C5-2
KL15 RELAY CTRL
C6-14
CAN
TO DATA TRANSFER HS-CAN
TO DATA TRANSFER HS-CAN


1CA01
Anti-Lock Brake System (ABS) Module
C1CA01 - 1
B+ PUMP MOTOR
1
C1CA01 - 25
B+ VALVES
25
C1CA01 - 28
IGNITION
28
C1CA01 - 14
HS_CAN_LOW
14
C1CA01 - 26
HS_CAN_HIGH
26
PRIVATE CAN HIGH
33
PRIVATE CAN LOW
20
ESP/TC DISABLE INPUT
9
HDC_SILA
2
HDC_SW
36
CAN
19
LF WHEEL SENSOR+
8
LF WHEEL SENSOR-
16
RF WHEEL SENSOR+
4
RF WHEEL SENSOR-
17
RR WHEEL SENSOR+
29
RR WHEEL SENSOR -
31
LR WHEEL SENSOR+
18
LR WHEEL SENSOR-
C1CA01 - 19
C1CA01 - 8
C1CA01 - 16
C1CA01 - 4
C1CA01 - 17
C1CA01 - 29
C1CA01 - 31
C1CA01 - 18
VCA03B 3TBD 0.5
14290 VT-WH
RCA17B 3TBD 0.5
14290 YE
C1CA03 - 2
C1CA03 - 1
1CA03
Front Wheel Speed Sensor LH
VCA05B 3TBD 0.5
14290 GY-VT
RCA19B 3TBD 0.5
14290 VT
C1CA05 - 2
C1CA05 - 1
1CA05
Front Wheel Speed Sensor RH
VCA06A 3TBD 0.5
14290 WH-OG
RCA20A 3TBD 0.5
14290 BN
C13 - 1
C13 - 2
VCA04A 3TBD 0.5
14290 BU-OG
RCA18A 3TBD 0.5
14290 BN-GN
C13 - 17
C13 - 18
B05F 3TBD 0.5
14290 WH
B04F 3TBD 0.5
14290 WH-BU
RCA18D 2TAD 0.5 BN-GN
14A005
VCA04D 2TAD 0.5 BU-OG
14A005
RCA20D 2TAD 0.5 BN
14A005
VCA06D 2TAD 0.5 WH-OG
14A005
C34 - 28
C34 - 21
C34 - 27
C34 - 20
RCA18E 2TCD 0.5 BN-GN
14A333
VCA04E 2TCD 0.5 BU-OG
14A333
RCA20E 2TCD 0.5 BN
14A333
VCA06E 2TCD 0.5 WH-OG
14A333
4CA04
Rear Wheel Speed Sensor LH
C4CA04 - 1
C4CA04 - 2
4CA06
Rear Wheel Speed Sensor RH
C4CA06 - 1
C4CA06 - 2
GND PUMP MOTOR
13
GND ECU
38
C1CA01 - 13
C1CA01 - 38
GD120B 3TBD 4.0 BK-GN
14290
GD120A 3TBD 1.0 BK-GN
14290
G1D120-A
FENDER FRONT LEFT GROUND
G1D120

Anti-Lock Brake System (ABS) Module (G1403900)

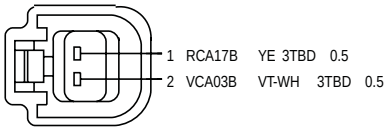


6G9T-14A464-VZA(000)

C1CA01
TO ABS MODULE

HARNESS 14290

Front Wheel Speed Sensor LH (G1403901)

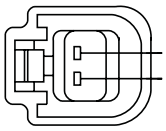


6E5T-14A464-NA

C1CA03
TO FLYLEAD ABS WHEEL SENSOR LF

HARNESS 14290

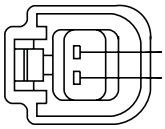
Front Wheel Speed Sensor RH (G1403902)



1 RCA19B VT 3TBD 0.5
2 VCA05B GY-VT 3TBD 0.5

6E5T-14A464-NA
C1CA05
TO FLYLEAD ABS WHEEL SENSOR RF
HARNESS 14290

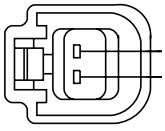
Rear Wheel Speed Sensor LH (G1403903)



1 RCA18C BN-GN 2TCD 0.5 + RCA18E BN-GN 2TCD 0.5
2 VCA04C BU-OG 2TCD 0.5 + VCA04E BU-OG 2TCD 0.5

6E5T-14A464-NA
C4CA04
TO FLYLEAD ABS WHEEL SENSOR LR
HARNESS 14A333

Rear Wheel Speed Sensor RH (G1403904)



1 RCA20C BN 2TCD 0.5 + RCA20E BN 2TCD 0.5
2 VCA06C WH-OG 2TCD 0.5 + VCA06E WH-OG 2TCD 0.5

6E5T-14A464-NA
C4CA06
TO FLYLEAD ABS WHEEL SENSOR RR
HARNESS 14A333

SECTION 206-09B Anti-Lock Control - Stability Assist

VEHICLE APPLICATION: 2012.0 Ranger

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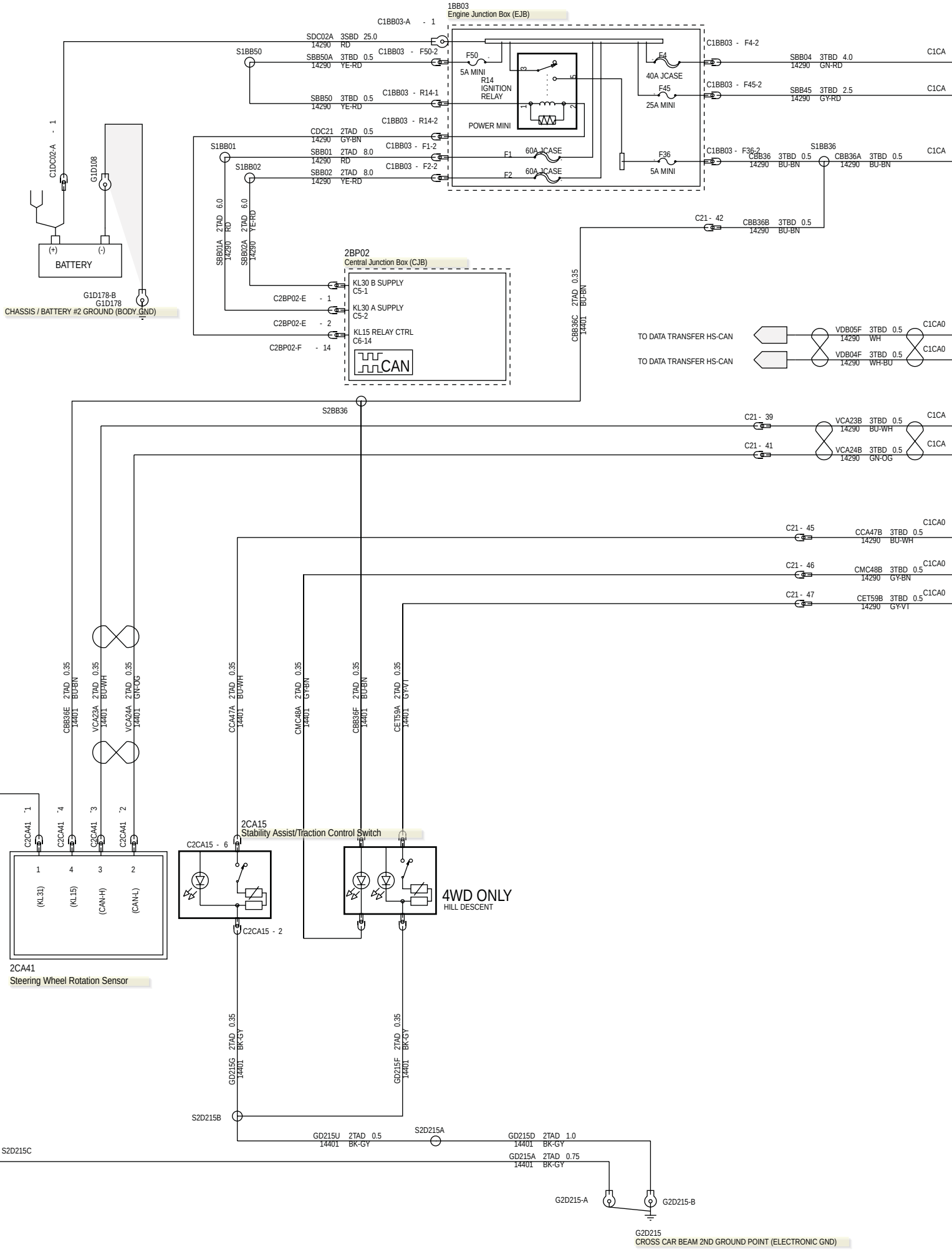
ELECTRICAL SCHEMATICS

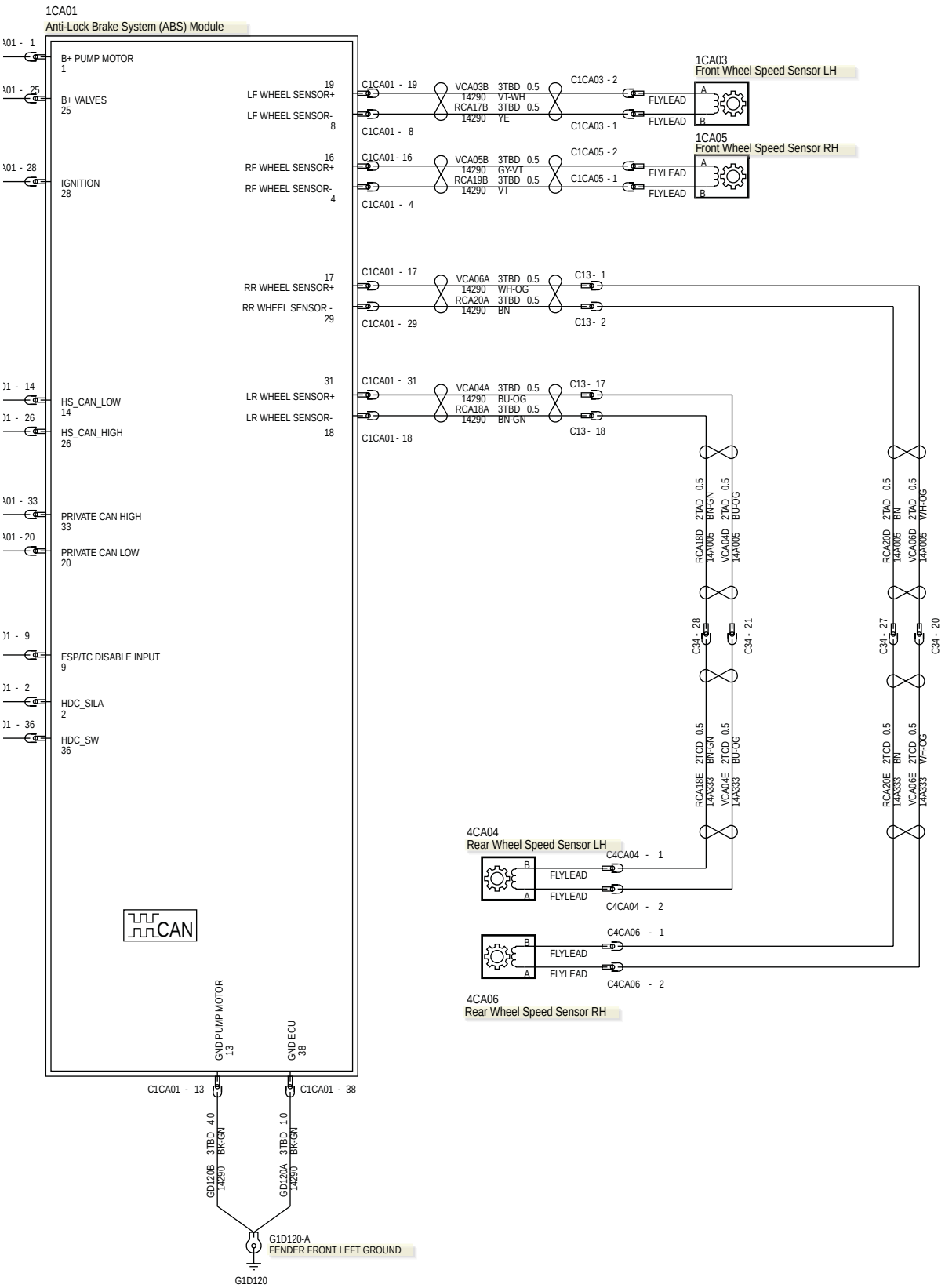
Anti-Lock Control - Stability Assist..... 206-09B-2

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Stability Assist/Traction Control Switch..... 206-09B-4

206-09B-2 Anti-Lock Control - Stability Assist




1CA01
Anti-Lock Brake System (ABS) Module
B+ PUMP MOTOR
1
B+ VALVES
25
IGNITION
28
HS_CAN_LOW
14
HS_CAN_HIGH
26
PRIVATE CAN HIGH
33
PRIVATE CAN LOW
20
ESP/TC DISABLE INPUT
9
HDC_SILA
2
HDC_SW
36
LF WHEEL SENSOR+
19
LF WHEEL SENSOR-
8
RF WHEEL SENSOR+
16
RF WHEEL SENSOR-
4
RR WHEEL SENSOR+
17
RR WHEEL SENSOR -
29
LR WHEEL SENSOR+
31
LR WHEEL SENSOR-
18
CAN
GND PUMP MOTOR
13
GND ECU
38
C1CA01 - 13
C1CA01 - 38
GD120B 3TBD 4.0 BK-GN 14290
GD120A 3TBD 1.0 BK-GN 14290
G1D120-A
FENDER FRONT LEFT GROUND
G1D120
1CA03
Front Wheel Speed Sensor LH
1CA05
Front Wheel Speed Sensor RH
VCA03B 3TBD 0.5 14290 VT-WH
RCA17B 3TBD 0.5 14290 YE
VCA05B 3TBD 0.5 14290 GY-VT
RCA19B 3TBD 0.5 14290 VT
VCA06A 3TBD 0.5 14290 WH-OG
RCA20A 3TBD 0.5 14290 BN
VCA04A 3TBD 0.5 14290 BU-OG
RCA18A 3TBD 0.5 14290 BN-GN
FLYLEAD
C34 - 28
C34 - 21
C34 - 27
C34 - 20
4CA04
Rear Wheel Speed Sensor LH
4CA06
Rear Wheel Speed Sensor RH

Steering Wheel Rotation Sensor (G1405431)

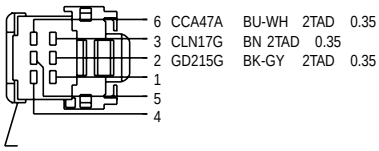


2R8T-14489-DA

C2CA41
TO STEERING WHEEL ANGLE SENSOR

HARNESS 14401

Stability Assist/Traction Control Switch (G1414539)



4S7T-14489-CA

C2CA15
TO ESP SWITCH

HARNESS 14401

SECTION 206-09C Anti-Lock Brake System (ABS) and Stability Control

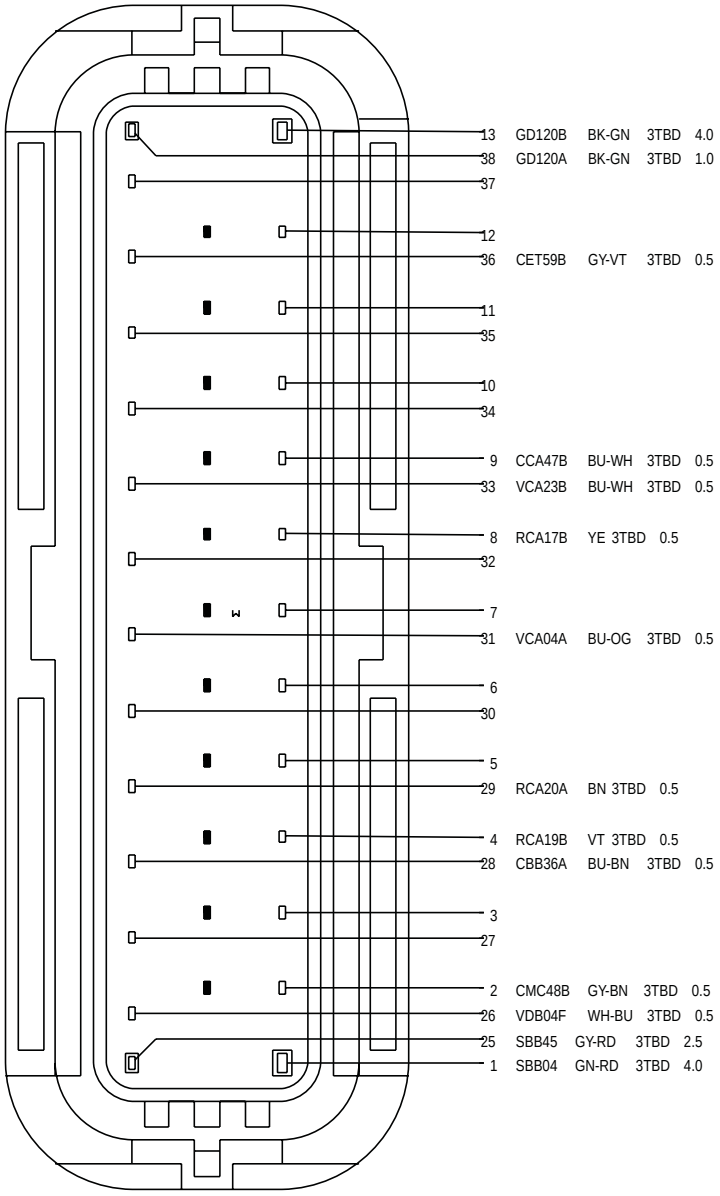
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Rear Wheel Speed Sensor RH..... 206-09C-3
Steering Wheel Rotation Sensor..... 206-09C-3
Stability Assist/Traction Control Switch..... 206-09C-3

Anti-Lock Brake System (ABS) Module (G1425334)

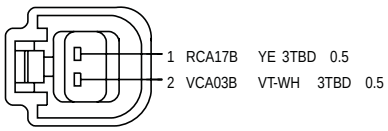


6G9T-14A464-VZA(000)

C1CA01
TO ABS MODULE

HARNESS 14290

Front Wheel Speed Sensor LH (G1425371)

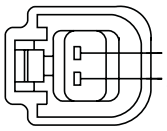


6E5T-14A464-NA

C1CA03
TO FLYLEAD ABS WHEEL SENSOR LF

HARNESS 14290

Front Wheel Speed Sensor RH (G1425372)

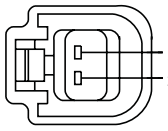


1 RCA19B VT 3TBD 0.5
2 VCA05B GY-VT 3TBD 0.5

6E5T-14A464-NA

C1CA05
TO FLYLEAD ABS WHEEL SENSOR RF
HARNESS 14290

Rear Wheel Speed Sensor LH (G1425373)

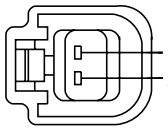


1 RCA18C BN-GN 2TCD 0.5 + RCA18E BN-GN 2TCD 0.5
2 VCA04C BU-OG 2TCD 0.5 + VCA04E BU-OG 2TCD 0.5

6E5T-14A464-NA

C4CA04
TO FLYLEAD ABS WHEEL SENSOR LR
HARNESS 14A333

Rear Wheel Speed Sensor RH (G1425374)

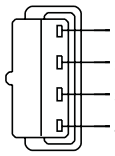


1 RCA20C BN 2TCD 0.5 + RCA20E BN 2TCD 0.5
2 VCA06C WH-OG 2TCD 0.5 + VCA06E WH-OG 2TCD 0.5

6E5T-14A464-NA

C4CA06
TO FLYLEAD ABS WHEEL SENSOR RR
HARNESS 14A333

Steering Wheel Rotation Sensor (G1425375)

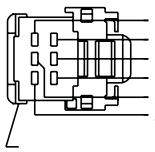


1 GD215H BK-GY 2TAD 0.35
2 VCA24A GN-OG 2TAD 0.35
3 VCA23A BU-WH 2TAD 0.35
4 CBB36E BU-BN 2TAD 0.35

2R8T-14489-DA

C2CA41
TO STEERING WHEEL ANGLE SENSOR
HARNESS 14401

Stability Assist/Traction Control Switch (G1425376)



6 CCA47A BU-WH 2TAD 0.35
3 CLN17G BN 2TAD 0.35
2 GD215G BK-GY 2TAD 0.35
1
5
4

4S7T-14489-CA

C2CA15
TO ESP SWITCH
HARNESS 14401

SECTION 211-05 Steering Column Switches

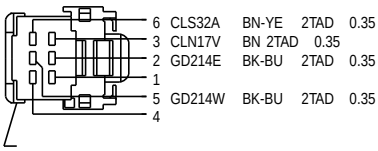
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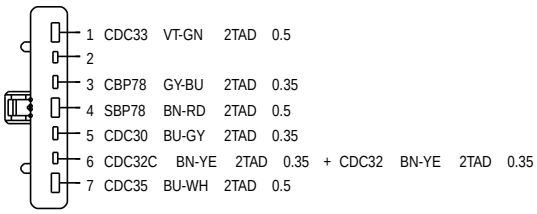
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Ignition Switch..... 211-05-2
Steering Column Multifunction Switch..... 211-05-2
Steering Column Multifunction Switch — A..... 211-05-2

Hazard Flasher Switch (G1403909)



4S7T-14489-CA
C2LS32
TO HAZARD SWITCH
HARNESS 14401

Ignition Switch (G1403910)



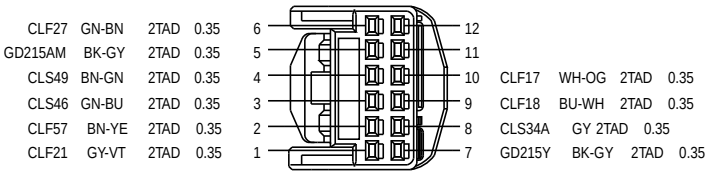
98AG-14489-ZGB

C2DC32

TO IGNITION SWITCH

HARNESS 14401

Steering Column Multifunction Switch (G1403911)

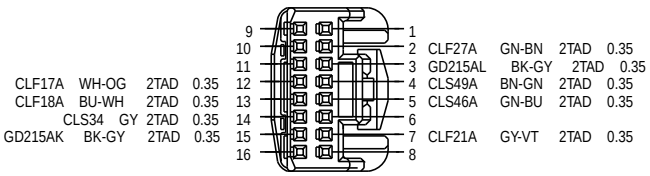


C2LS34
MQTZ-DL-12F

TO STALK SWITCHES LAMPS

HARNESS 14401

Steering Column Multifunction Switch—A (G1403913)



C2LS34-A
MQTZ-DL-16F

TO STALK SWITCHES LAMPS (RHD W/O RFOG)

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GROUP

3 Powertrain

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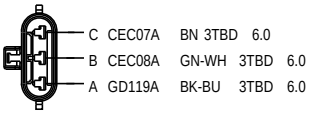
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Cooling Fan Motor (G1403923)



1212-4685

C1EC01
TO FLYLEAD ELECTRIC COOLING FAN ASSY

HARNESS 14290

SECTION 303-04A Fuel Charging and Controls — 2.5L

Duratec-HE (122kW/165PS) - MI4

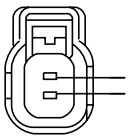
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Fuel Injector 3 — A..... 303-04A-2
Fuel Injector 4 — A..... 303-04A-2

Fuel Injector 1—A (G1403958)



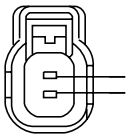
1	CE205D	GN-BU	3TBD	0.5	GOLD
2	CBB22E	GN-OG	3TBD	0.75	GOLD

4W7T-14A464-BB

C1E205-A
TO FUEL INJECTOR1 PETROL

HARNESS 12B637

Fuel Injector 2—A (G1403959)



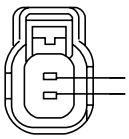
1	CE206D	GY-YE	3TBD	0.5	GOLD
2	CBB22F	GN-OG	3TBD	0.75	GOLD

4W7T-14A464-BB

C1E206-A
TO FUEL INJECTOR2 PETROL

HARNESS 12B637

Fuel Injector 3—A (G1403960)



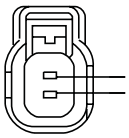
1	CE207D	VT-GY	3TBD	0.5	GOLD
2	CBB22G	GN-OG	3TBD	0.75	GOLD

4W7T-14A464-BB

C1E207-A
TO FUEL INJECTOR3 PETROL

HARNESS 12B637

Fuel Injector 4—A (G1403961)



1	CE208D	YE-OG	3TBD	0.5	GOLD
2	CBB22H	GN-OG	3TBD	0.75	GOLD

4W7T-14A464-BB

C1E208-A
TO FUEL INJECTOR4 PETROL

HARNESS 12B637

SECTION 303-04B Fuel Charging and Controls — 2.2L

Duratorq-TDCi (Puma) Diesel

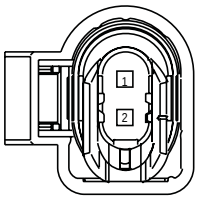
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Fuel Injector 3..... 303-04B-2
Fuel Injector 4..... 303-04B-2
Fuel Metering Valve..... 303-04B-3

Fuel Injector 1 (G1403932)



1 CE205A GN-BU 3TBD 1.0 SILVER

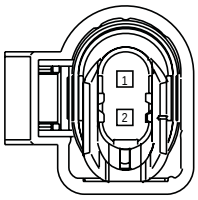
2 RE205A YE-BU 3TBD 1.0 SILVER

BU5T-14A464-BBA

C1E205
TO FUEL INJECTOR1 DIESEL
HARNESS 12B637

Fuel Injector 2 (G1403933)

PIN 1 => CE206A GY-YE 1.0 3TBD
PIN 2 => RE206A BU-OG 1.0 3TBD



1 CE206AA GY-YE 3TBD 1.0 SILVER

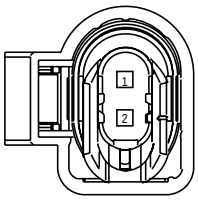
2 RE206AA BU-OG 3TBD 1.0 SILVER

BU5T-14A464-BBA

C1E206
TO FUEL INJECTOR2 DIESEL
HARNESS 12B637

Fuel Injector 3 (G1403934)

PIN 1 => CE207A VT-GY 1.0 3TBD
PIN 2 => RE207 GN-VT 1.0 3TBD



1 CE207AA VT-GY 3TBD 1.0 SILVER

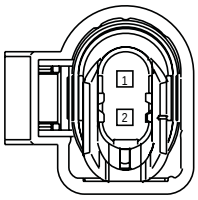
2 RE207A GN-VT 3TBD 1.0 SILVER

BU5T-14A464-BBA

C1E207
TO FUEL INJECTOR3 DIESEL
HARNESS 12B637

Fuel Injector 4 (G1403935)

PIN 1 => CE208A YE-OG 1.0 3TBD
PIN 2 => RE208A BU 1.0 3TBD



1 CE208AA YE-OG 3TBD 1.0 SILVER

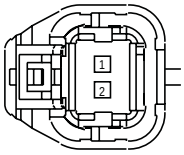
2 RE208AA BU 3TBD 1.0 SILVER

BU5T-14A464-BBA

C1E208
TO FUEL INJECTOR4 DIESEL
HARNESS 12B637

Fuel Metering Valve (G1403936)

PIN 1 => CBB25T WH-OG 0.75 3TBD



1	CBB25R	WH-OG	3TBD	0.75	+	CBB25T	WH-OG	3TBD	0.75	GOLD
2	VE350A	GY	3TBD	0.75		GOLD				

AU5T-14A464-BBA

C1E518
TO VOLUMETRIC CTRL VALVE

HARNESS 12B637

SECTION 303-04C Fuel Charging and Controls — 3.2L

Duratorq-TDCi (Puma) Diesel

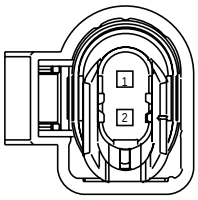
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Fuel Injector 4..... 303-04C-2
Fuel Injector 5..... 303-04C-3
Fuel Metering Valve..... 303-04C-3

Fuel Injector 1 (G1403932)



1 CE205A GN-BU 3TBD 1.0 SILVER

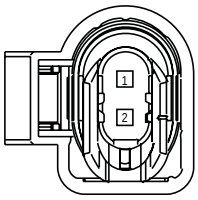
2 RE205A YE-BU 3TBD 1.0 SILVER

BU5T-14A464-BBA

C1E205
TO FUEL INJECTOR1 DIESEL
HARNESS 12B637

Fuel Injector 2 (G1403933)

PIN 1 => CE206A GY-YE 1.0 3TBD
PIN 2 => RE206A BU-OG 1.0 3TBD



1 CE206AA GY-YE 3TBD 1.0 SILVER

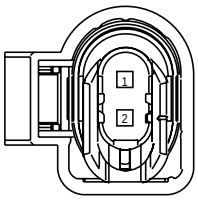
2 RE206AA BU-OG 3TBD 1.0 SILVER

BU5T-14A464-BBA

C1E206
TO FUEL INJECTOR2 DIESEL
HARNESS 12B637

Fuel Injector 3 (G1403934)

PIN 1 => CE207A VT-GY 1.0 3TBD
PIN 2 => RE207 GN-VT 1.0 3TBD



1 CE207AA VT-GY 3TBD 1.0 SILVER

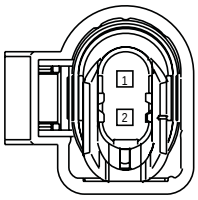
2 RE207A GN-VT 3TBD 1.0 SILVER

BU5T-14A464-BBA

C1E207
TO FUEL INJECTOR3 DIESEL
HARNESS 12B637

Fuel Injector 4 (G1403935)

PIN 1 => CE208A YE-OG 1.0 3TBD
PIN 2 => RE208A BU 1.0 3TBD



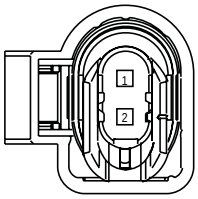
1 CE208AA YE-OG 3TBD 1.0 SILVER

2 RE208AA BU 3TBD 1.0 SILVER

BU5T-14A464-BBA

C1E208
TO FUEL INJECTOR4 DIESEL
HARNESS 12B637

Fuel Injector 5 (G1403947)



1 CE209A BN 3TBD 1.0 SILVER

2 RE209A WH-GN 3TBD 1.0 SILVER

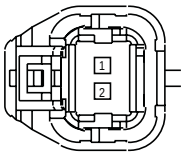
BU5T-14A464-BBA

C1E209
TO FUEL INJECTOR5 DIESEL

HARNESS 12B637

Fuel Metering Valve (G1403936)

PIN 1 => CBB25T WH-OG 0.75 3TBD



1 CBB25R WH-OG 3TBD 0.75 + CBB25T WH-OG 3TBD 0.75 GOLD

2 VE350A GY 3TBD 0.75 GOLD

AU5T-14A464-BBA

C1E518
TO VOLUMETRIC CTRL VALVE

HARNESS 12B637

SECTION 303-04D Fuel Charging and Controls - Turbocharger

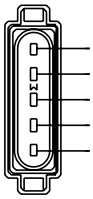
VEHICLE APPLICATION: 2012.0 Ranger

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Turbocharger Variable Vane Actuator..... 303-04D-2
Wastegate Position Sensor..... 303-04D-2

Turbocharger Variable Vane Actuator (G1408840)



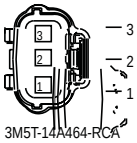
1	CE431B	WH	3SCD	0.75	
2	CE432A	BU	3SCD	0.75	
3	RE437A	GY	3SCD	0.75	
4	VE837A	WH	3SCD	0.75	
5	LE437A	YE	3SCD	0.75	

6R8Q-14A464-AA

C1E432
TO VNT ACTUATOR & FEEDBACK SENSOR

HARNESS 12B637

Wastegate Position Sensor (G1425325)



3	LE437AA	YE	3SCD	0.75	
2	RE437AA	GY	3SCD	0.75	
1	VE836A	VT-GN	3SCD	0.75	

3M5T-14A464-RCA

C1E836
TO FIXED GEOMETRY TURBO

HARNESS 12B637

SECTION 303-06A Starting System — 2.5L Duratec-HE (122kW/165PS) - MI4

VEHICLE APPLICATION: 2012.0 Ranger

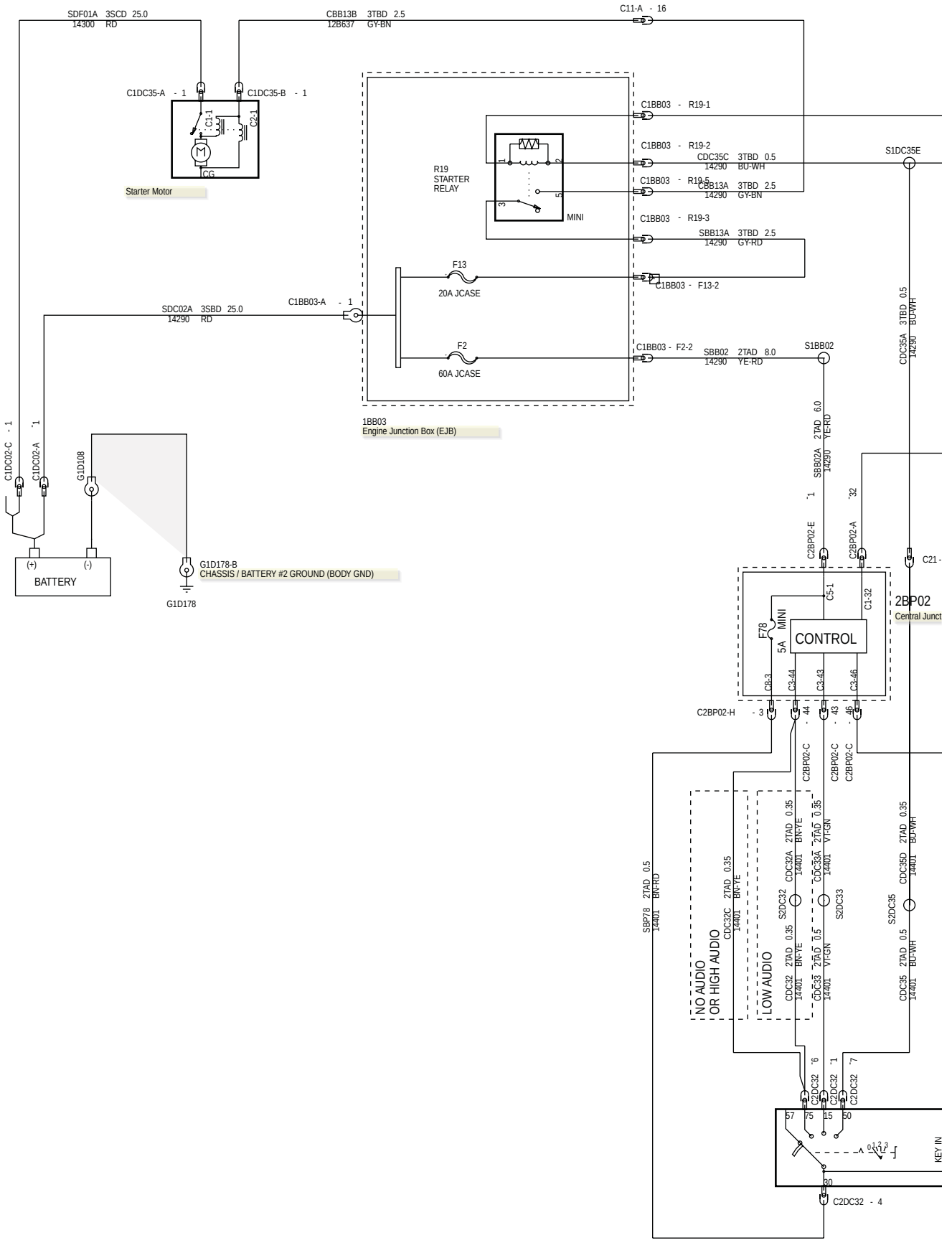
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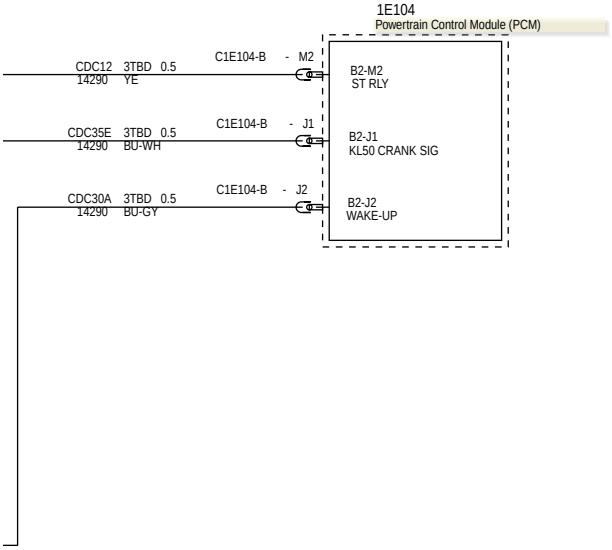
ELECTRICAL SCHEMATICS

Starting System — Vehicles With: 5-Speed Manual Transmission - MT75..... 303-06A-2

ELECTRICAL CONNECTORS

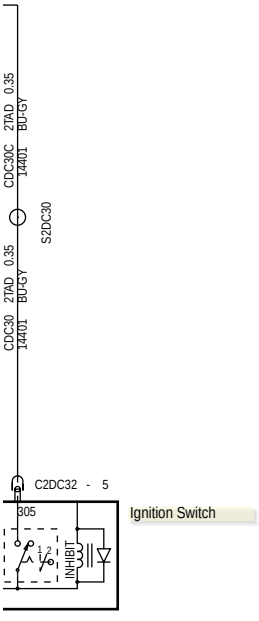
Starter Motor — A..... 303-06A-4
Starter Motor — B..... 303-06A-4


SDF01A 3SCD 25.0
14300 RD
CBB13B 3TBD 2.5
12B637 GY-BN
C11-A - 16
C1DC35-A - 1
C1DC35-B - 1
C1-1
C2-1
CG
Starter Motor
R19
STARTER
RELAY
MINI
C1BB03 - R19-1
C1BB03 - R19-2
CDC35C 3TBD 0.5
14290 BU-WH
C1BB03 - R19-5
CBB13A 3TBD 2.5
14290 GY-BN
C1BB03 - R19-3
SBB13A 3TBD 2.5
14290 GY-RD
S1DC35E
F13
20A JCASE
C1BB03 - F13-2
SDC02A 3SBD 25.0
14290 RD
C1BB03-A - 1
F2
60A JCASE
C1BB03 - F2-2
SBB02 2TAD 8.0
14290 YE-RD
S1BB02
1BB03
Engine Junction Box (EJB)
CDC35A 3TBD 0.5
14290 BU-WH
C1DC02-C - 1
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
SBB02A 2TAD 6.0
14290 YE-RD
C2BP02-E
C2BP02-A
C21 -
2BP02
Central Junct
C5-1
C1-32
F78
5A
MINI
CONTROL
C8-3
C3-44
C3-43
C3-46
C2BP02-H - 3
- 44
- 43
- 46
C2BP02-C
SBP78 2TAD 0.5
14401 BN-RD
NO AUDIO
OR HIGH AUDIO
LOW AUDIO
CDC32C 2TAD 0.35
14401 BN-YE
S2DC32
CDC32A 2TAD 0.35
14401 BN-YE
CDC32 2TAD 0.35
14401 BN-YE
CDC33A 2TAD 0.5
14401 VT-GN
CDC33 2TAD 0.5
14401 VT-GN
S2DC33
CDC35D 2TAD 0.35
14401 BU-WH
S2DC35
CDC35 2TAD 0.5
14401 BU-WH
C2DC32 - 6
C2DC32 - 1
C2DC32 - 7
57
75
15
50
KEY IN
30
C2DC32 - 4

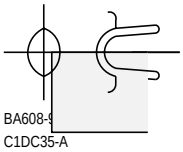

1E104
Powertrain Control Module (PCM)
CDC12 3TBD 0.5
14290 YE
C1E104-B - M2
B2-M2
ST RLY
CDC35E 3TBD 0.5
14290 BU-WH
C1E104-B - J1
B2-J1
KL50 CRANK SIG
CDC30A 3TBD 0.5
14290 BU-GY
C1E104-B - J2
B2-J2
WAKE-UP

4

ion Box (CJB)


CDC30C 2TAD 0.35
14401 BU-GY
S2DC30
CDC30 2TAD 0.35
14401 BU-GY
C2DC32 - 5
305
Ignition Switch
INHIBIT

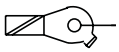
Starter Motor—A (G1403964)



1 SDF01A RD 3SCD 25.0 + SDF01B RD 3SCD 35.0

BA608-9
C1DC35-A
TO STARTER MOTOR
HARNESS 14300

Starter Motor—B (G1403965)



1 CBB13C GY-BN 3TBD 2.5 + CBB13B GY-BN 3TBD 2.5

XW4T-14463-MC
C1DC35-B
TO STARTER MOTOR
HARNESS 12B637

SECTION 303-06B Starting System — 2.2L Duratorq-TDCi (Puma) Diesel/3.2L Duratorq-TDCi (Puma) Diesel

VEHICLE APPLICATION: 2012.0 Ranger

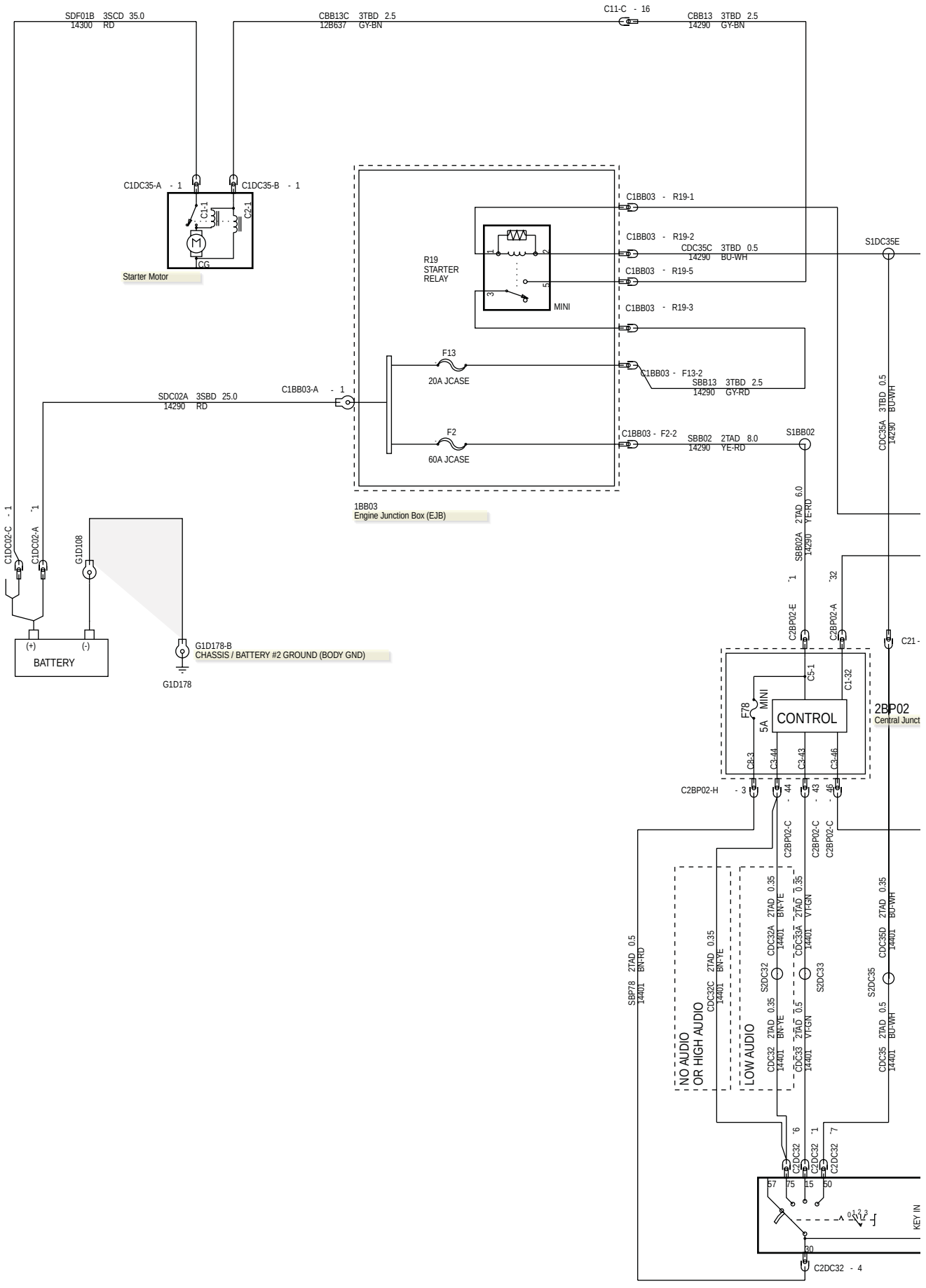
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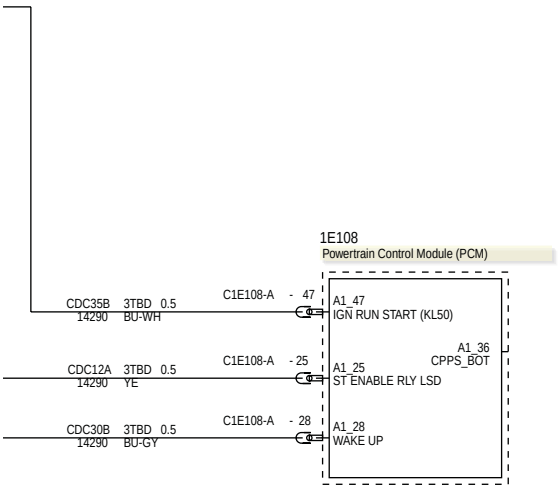
ELECTRICAL SCHEMATICS

Starting System — Vehicles With: 5-Speed Manual Transmission - MT75/6-Speed Manual Transmission - MT82 ..... 303-06B-2
Starting System — Vehicles With: 6-Speed Automatic Transaxle - 6R80, LHD 4WD/LHD RWD 303-06B-4
Starting System — Vehicles With: 6-Speed Automatic Transaxle - 6R80, RHD 4WD/RHD RWD 303-06B-6

ELECTRICAL CONNECTORS

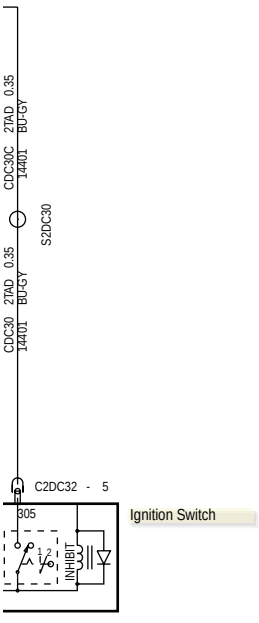
Starter Motor — A 303-06B-8
Starter Motor — B 303-06B-8


SDF01B 3SCD 35.0
14300 RD
CBB13C 3TBD 2.5
12B637 GY-BN
C11-C - 16
CBB13 3TBD 2.5
14290 GY-BN
C1DC35-A - 1
C1DC35-B - 1
C1-1
C2-1
CG
Starter Motor
R19
STARTER
RELAY
MINI
C1BB03 - R19-1
C1BB03 - R19-2
CDC35C 3TBD 0.5
14290 BU-WH
C1BB03 - R19-5
C1BB03 - R19-3
S1DC35E
F13
20A JCASE
C1BB03 - F13-2
SBB13 3TBD 2.5
14290 GY-RD
SDC02A 3SBD 25.0
14290 RD
C1BB03-A - 1
F2
60A JCASE
C1BB03 - F2-2
SBB02 2TAD 8.0
14290 YE-RD
S1BB02
1BB03
Engine Junction Box (EJB)
CDC35A 3TBD 0.5
14290 BU-WH
C1DC02-C - 1
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
SBB02A 2TAD 6.0
14290 YE-RD
C2BP02-E - 1
C2BP02-A - 32
C21 -
C5-1
C1-32
F78
5A
MINI
CONTROL
2BP02
Central Junct
C8-3
C3-44
C3-43
C3-46
C2BP02-H - 3
- 44
- 43
- 46
C2BP02-C
SBP78 2TAD 0.5
14401 BN-RD
NO AUDIO
OR HIGH AUDIO
LOW AUDIO
CDC32C 2TAD 0.35
14401 BN-YE
S2DC32
CDC32A 2TAD 0.35
14401 BN-YE
CDC32 2TAD 0.35
14401 BN-YE
CDC33A 2TAD 0.35
14401 VT-GN
S2DC33
CDC33 2TAD 0.5
14401 VT-GN
S2DC35
CDC35D 2TAD 0.35
14401 BU-WH
CDC35 2TAD 0.5
14401 BU-WH
C2DC32 - 6
C2DC32 - 1
C2DC32 - 7
57
75
15
50
KEY IN
30
C2DC32 - 4

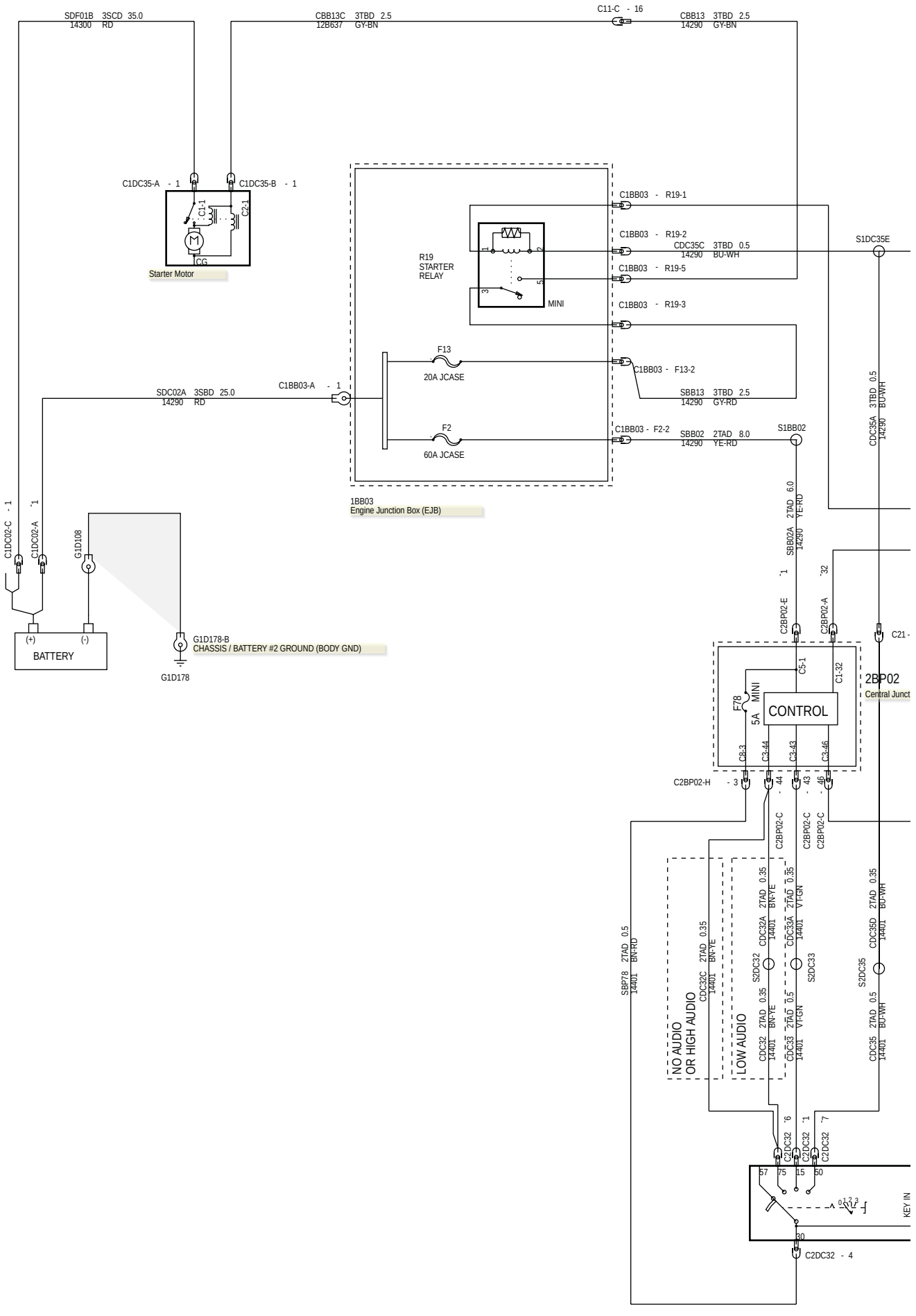

1E108
Powertrain Control Module (PCM)
CDC35B 3TBD 0.5
14290 BU-WH
C1E108-A - 47
A1_47
IGN RUN START (KL50)
A1_36
CPPS_BOT
CDC12A 3TBD 0.5
14290 YE
C1E108-A - 25
A1_25
ST ENABLE RLY LSD
CDC30B 3TBD 0.5
14290 BU-GY
C1E108-A - 28
A1_28
WAKE UP

4

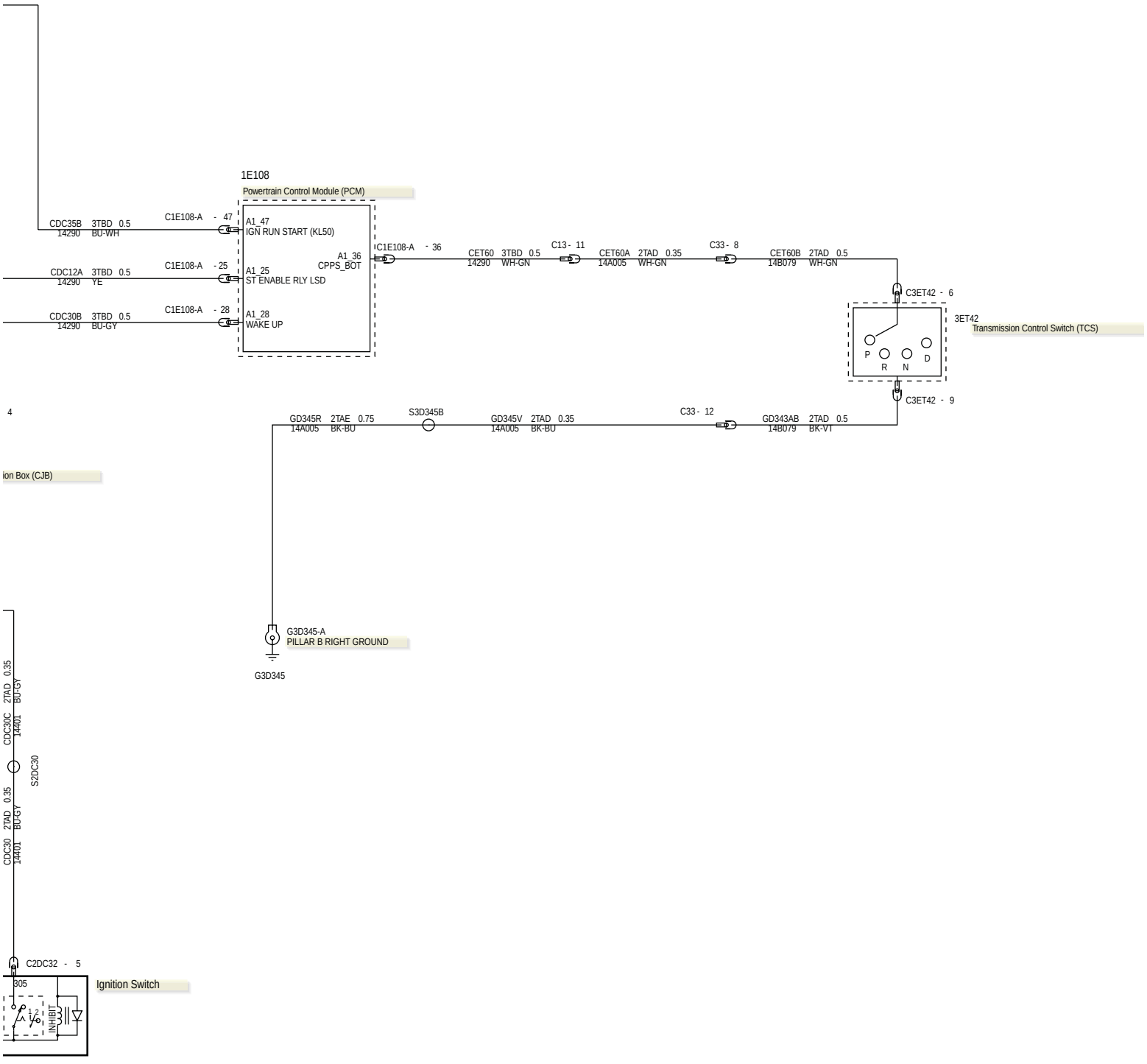
ion Box (CJB)


CDC30C 2TAD 0.35
14401 BU-GY
S2DC30
CDC30 2TAD 0.35
14401 BU-GY
C2DC32 - 5
305
Ignition Switch
INHIBIT

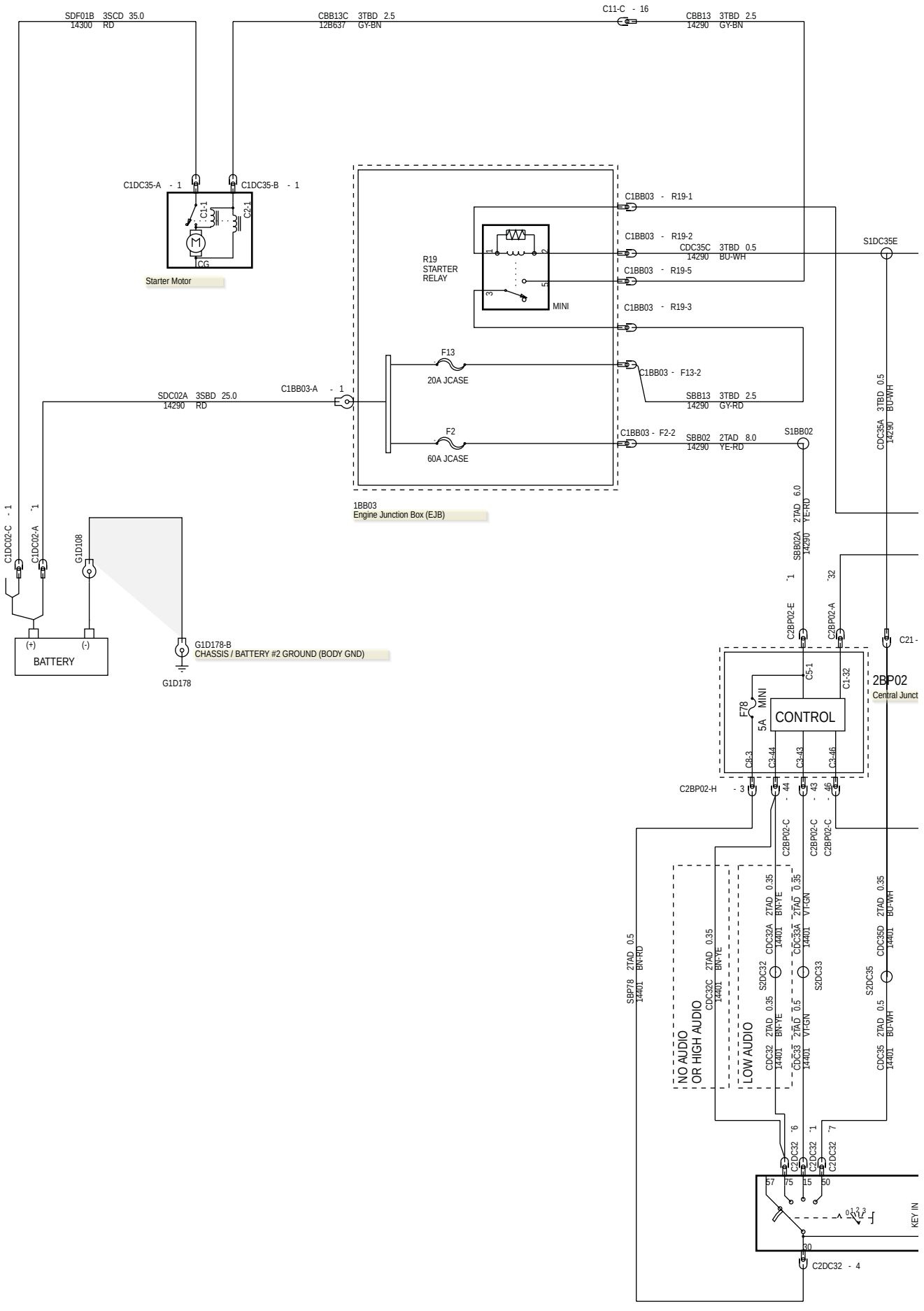
303-06B-4 Starting System—Vehicles With: 6-Speed Automatic Transaxle - 6R80, LHD 4WD/LHD RWD

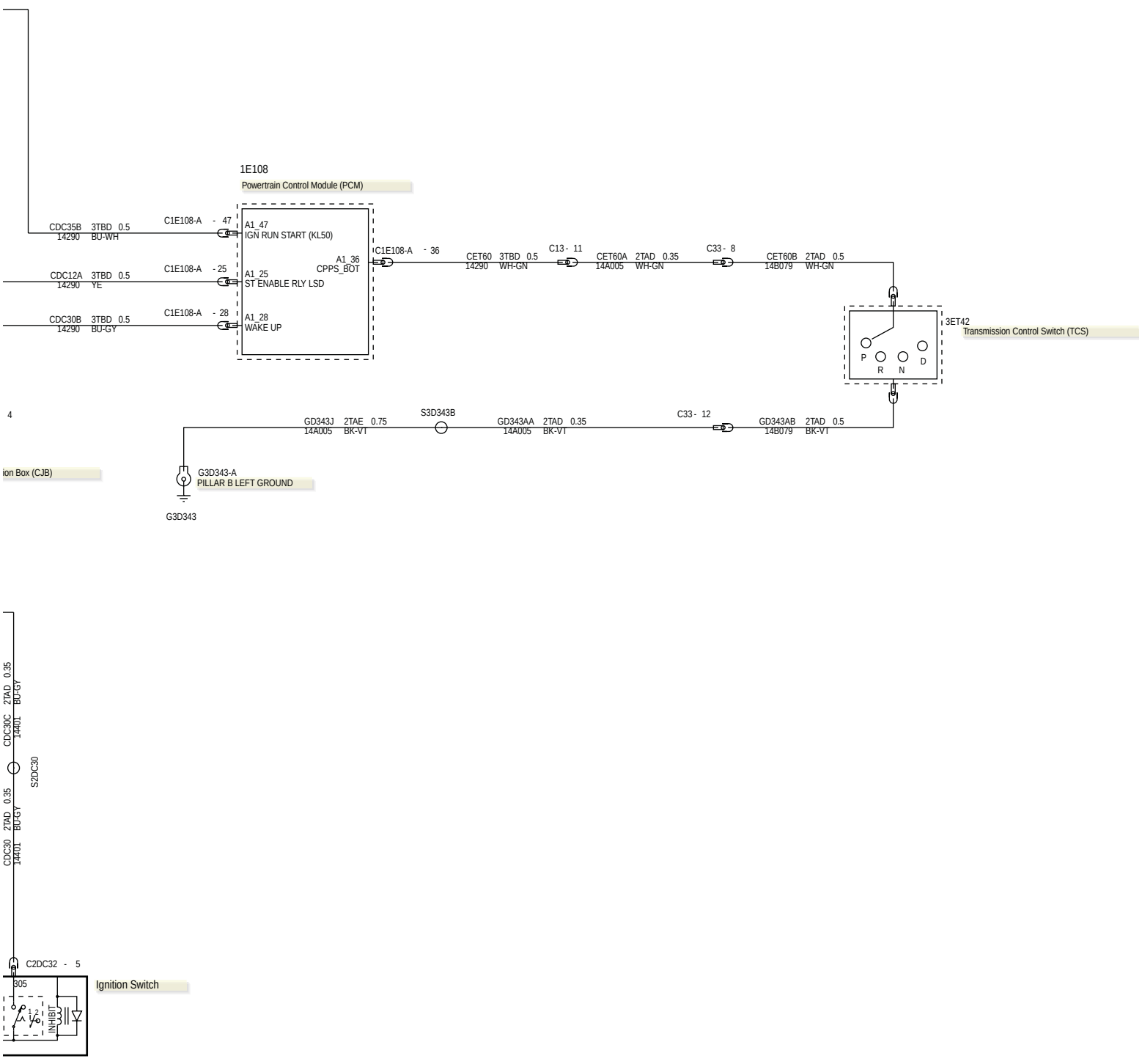


303-06B-5 Starting System—Vehicles With: 6-Speed Automatic Transaxle - 6R80, LHD 4WD/LHD RWD

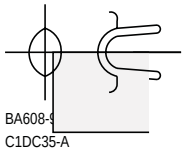


303-06B-6 Starting System—Vehicles With: 6-Speed Automatic Transaxle - 6R80, RHD 4WD/RHD RWD




1E108
Powertrain Control Module (PCM)
CDC35B 3TBD 0.5
14290 BU-WH
C1E108-A - 47
A1_47
IGN RUN START (KL50)
CDC12A 3TBD 0.5
14290 YE
C1E108-A - 25
A1_25
ST ENABLE RLY LSD
CDC30B 3TBD 0.5
14290 BU-GY
C1E108-A - 28
A1_28
WAKE UP
A1_36
CPPS_BOT
C1E108-A - 36
CET60 3TBD 0.5
14290 WH-GN
C13 - 11
CET60A 2TAD 0.35
14A005 WH-GN
C33 - 8
CET60B 2TAD 0.5
14B079 WH-GN
3ET42
Transmission Control Switch (TCS)
P
R
N
D
4
S3D343B
GD343J 2TAE 0.75
14A005 BK-VT
GD343AA 2TAD 0.35
14A005 BK-VT
C33 - 12
GD343AB 2TAD 0.5
14B079 BK-VT
ion Box (CJB)
G3D343-A
PILLAR B LEFT GROUND
G3D343
CDC30C 2TAD 0.35
14401 BU-GY
S2DC30
CDC30 2TAD 0.35
14401 BU-GY
C2DC32 - 5
305
INHIBIT
Ignition Switch

Starter Motor—A (G1403964)



1 SDF01A RD 3SCD 25.0 + SDF01B RD 3SCD 35.0

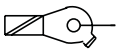
BA608-9

C1DC35-A

TO STARTER MOTOR

HARNESS 14300

Starter Motor—B (G1403965)



1 CBB13C GY-BN 3TBD 2.5 + CBB13B GY-BN 3TBD 2.5

XW4T-14463-MC

C1DC35-B

TO STARTER MOTOR

HARNESS 12B637

SECTION 303-07A Engine Ignition — 2.5L Duratec-HE (122kW/165PS) - MI4

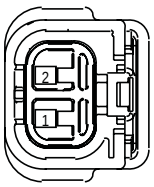
VEHICLE APPLICATION: 2012.0 Ranger

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Ignition Coil-On-Plug 1..... 303-07A-2
Ignition Coil-On-Plug 2..... 303-07A-2
Ignition Coil-On-Plug 3..... 303-07A-2
Ignition Coil-On-Plug 4..... 303-07A-2

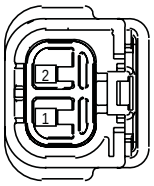
Ignition Coil-On-Plug 1 (G1403973)



2	CBB25B	WH-OG	3TBD	1.0	GOLD
1	CE303A	WH-VT	3TBD	1.5	GOLD

AU5T-14A464-SCB
C1E303
TO IGNITION COIL1
HARNESS 12B637

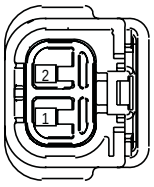
Ignition Coil-On-Plug 2 (G1403974)



2	CBB25C	WH-OG	3TBD	1.0	GOLD
1	CE304A	YE-BU	3TBD	1.5	GOLD

AU5T-14A464-SCB
C1E304
TO IGNITION COIL2
HARNESS 12B637

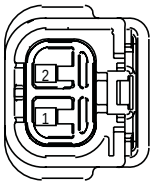
Ignition Coil-On-Plug 3 (G1403975)



2	CBB25D	WH-OG	3TBD	1.0	GOLD
1	CE305A	BU-OG	3TBD	1.5	GOLD

AU5T-14A464-SCB
C1E305
TO IGNITION COIL3
HARNESS 12B637

Ignition Coil-On-Plug 4 (G1403976)



2	CBB25E	WH-OG	3TBD	1.0	GOLD
1	CE306A	GN-VT	3TBD	1.5	GOLD

AU5T-14A464-SCB
C1E306
TO IGNITION COIL4
HARNESS 12B637

SECTION 303-07B Glow Plug System — 2.2L Duratorq-TDCi (Puma) Diesel

Diesel

VEHICLE APPLICATION: 2012.0 Ranger

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ELECTRICAL CONNECTORS

Glow Plug 1..... 303-07B-2
Glow Plug 2..... 303-07B-2
Glow Plug 3..... 303-07B-2
Glow Plug 4..... 303-07B-2
Glow Plug Module..... 303-07B-3
Glow Plug Module — B..... 303-07B-3

Glow Plug 1 (G1403983)

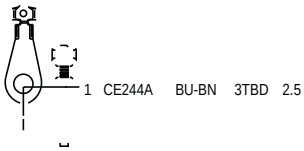
PIN 1 => CE243 GY-VT 2.5 3TBD



3201515F6
C1E243
TO PRE GLOW HEATER1
HARNESS 6M091

Glow Plug 2 (G1403984)

PIN 1 => CE244 BU-BN 2.5 3TBD



3201515F6
C1E244
TO PRE GLOW HEATER2
HARNESS 6M091

Glow Plug 3 (G1403985)

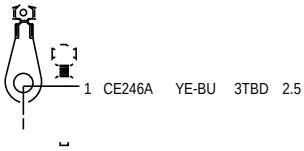
PIN 1 => CE245 VT-WH 2.5 3TBD



3201515F6
C1E245
TO PRE GLOW HEATER3
HARNESS 6M091

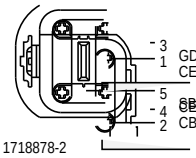
Glow Plug 4 (G1403986)

PIN 1 => CE246 YE-BU 2.5 3TBD



3201515F6
C1E246
TO PRE GLOW HEATER4
HARNESS 6M091

Glow Plug Module (G1403987)



3				
1	GD122X	BK	3TBD	0.5
	CE513B	VT-GN	3TBD	0.5
5				
4	CE513G	BN-VT	3TBD	0.5
2	CBB25L	WH-OG	3TBD	0.5

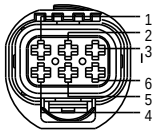
1718878-2

C1E513

TO GLOW PLUG CONTROL MODULE I4

HARNESS 70G239

Glow Plug Module—B (G1403988)



1	CE244	BU-BN	3TBD	2.5
2	(CLOSED)			
3	CE243	GY-VT	3TBD	2.5
6	CE246	YE-BU	3TBD	2.5
5	(CLOSED)			
4	CE245	VT-WH	3TBD	2.5

1452327-2

C1E513-B

TO GLOW PLUG CONTROL MODULE I4(GP)

HARNESS 6M091

SECTION 303-07C Glow Plug System — 3.2L Duratorq-TDCi (Puma) Diesel

Diesel

VEHICLE APPLICATION: 2012.0 Ranger

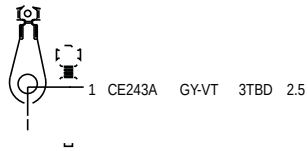
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Glow Plug 1..... 303-07C-2
Glow Plug 2..... 303-07C-2
Glow Plug 3..... 303-07C-2
Glow Plug 4..... 303-07C-2
Glow Plug 5..... 303-07C-3
Glow Plug Module — A..... 303-07C-3
Glow Plug Module — C..... 303-07C-3

Glow Plug 1 (G1403983)

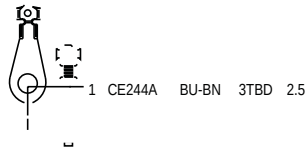
PIN 1 => CE243 GY-VT 2.5 3TBD



3201515F6
C1E243
TO PRE GLOW HEATER1
HARNESS 6M091

Glow Plug 2 (G1403984)

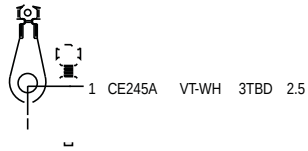
PIN 1 => CE244 BU-BN 2.5 3TBD



3201515F6
C1E244
TO PRE GLOW HEATER2
HARNESS 6M091

Glow Plug 3 (G1403985)

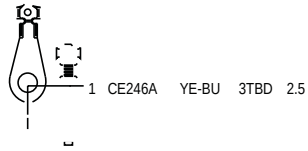
PIN 1 => CE245 VT-WH 2.5 3TBD



3201515F6
C1E245
TO PRE GLOW HEATER3
HARNESS 6M091

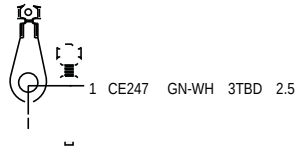
Glow Plug 4 (G1403986)

PIN 1 => CE246 YE-BU 2.5 3TBD



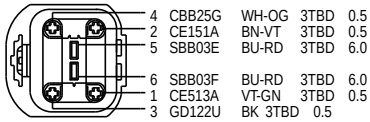
3201515F6
C1E246
TO PRE GLOW HEATER4
HARNESS 6M091

Glow Plug 5 (G1406832)



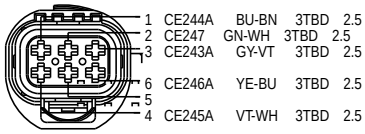
3201515F6
C1E247
TO PRE GLOW HEATER5
HARNESS 6M091

Glow Plug Module—A (G1403995)



1703661-1
C1E513-A
TO GLOW PLUG CONTROL MODULE I5
HARNESS 70G239

Glow Plug Module—C (G1403996)



AW9T-14A464-AA
C1E513-C
TO GLOW PLUG CONTROL MODULE I5(GP)
HARNESS 6M091

SECTION 303-08 Engine Emission Control — 2.2L Duratorq-TDCi (Puma) Diesel/3.2L Duratorq-TDCi (Puma) Diesel

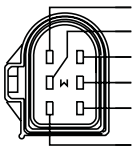
VEHICLE APPLICATION: 2012.0 Ranger

CONTENTS PAGE

ELECTRICAL CONNECTORS

Exhaust Gas Recirculation (EGR) Valve..... 303-08-2

Exhaust Gas Recirculation (EGR) Valve (G1403998)



6	LE139AA	BN-WH	3TBD	0.5	GOLD
4	RE139AA	GY-OG	3TBD	0.5	GOLD
5	CE102A	YE-BU	3TBD	0.75	GOLD
3					
1	CE101A	WH-VT	3TBD	0.75	GOLD
2	VE721A	WH-OG	3TBD	0.5	GOLD

3M5T-14A464-DZA
C1E139
TO EGR VALVE-DC MOTOR POSITION FEEDBACK
HARNESS 12B637

SECTION 303-13 Evaporative Emissions

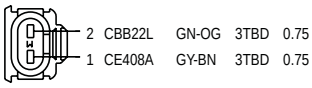
VEHICLE APPLICATION: 2012.0 Ranger

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ELECTRICAL CONNECTORS

Evaporative Emission Canister Purge Valve..... 303-13-2

Evaporative Emission Canister Purge Valve (G1404000)



3S7T-14A464-MA

C1E135
TO CANISTER PURGE SOLENOID

HARNESS 12B637

SECTION 303-14A Electronic Engine Controls — 2.5L

Duratec-HE (122kW/165PS) - MI4

VEHICLE APPLICATION: 2012.0 Ranger

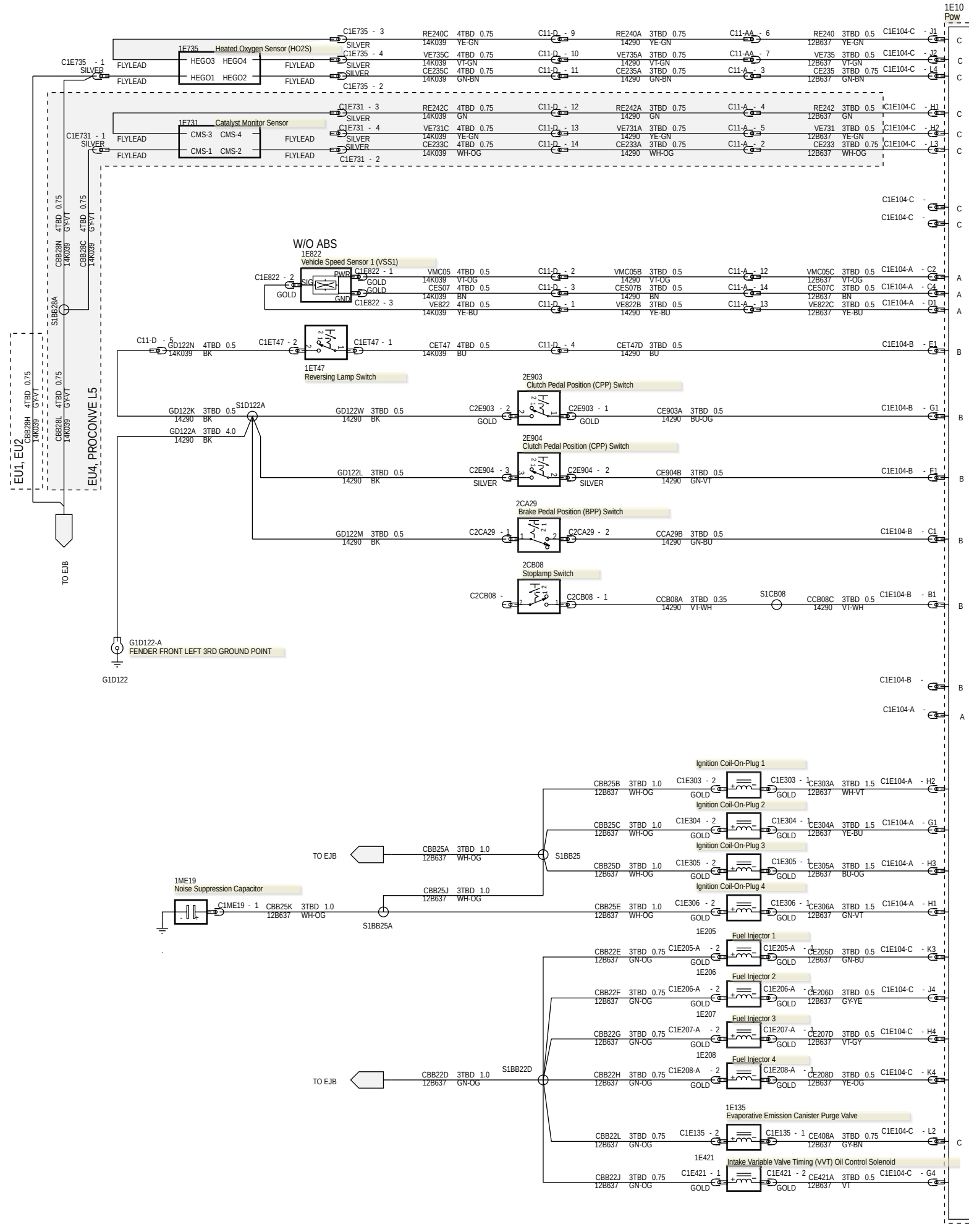
CONTENTS PAGE

ELECTRICAL SCHEMATICS

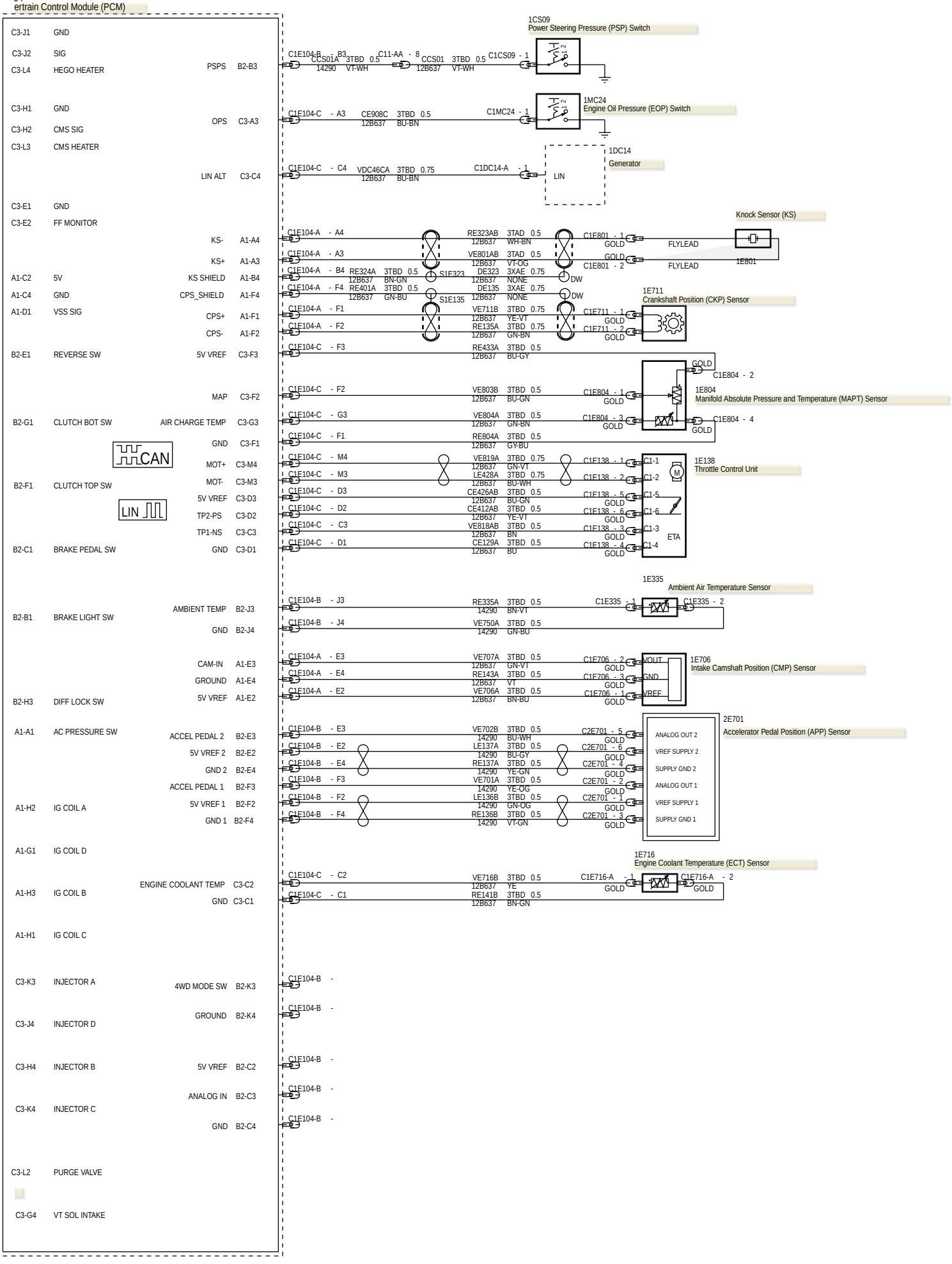
Engine Control..... 303-14A-2

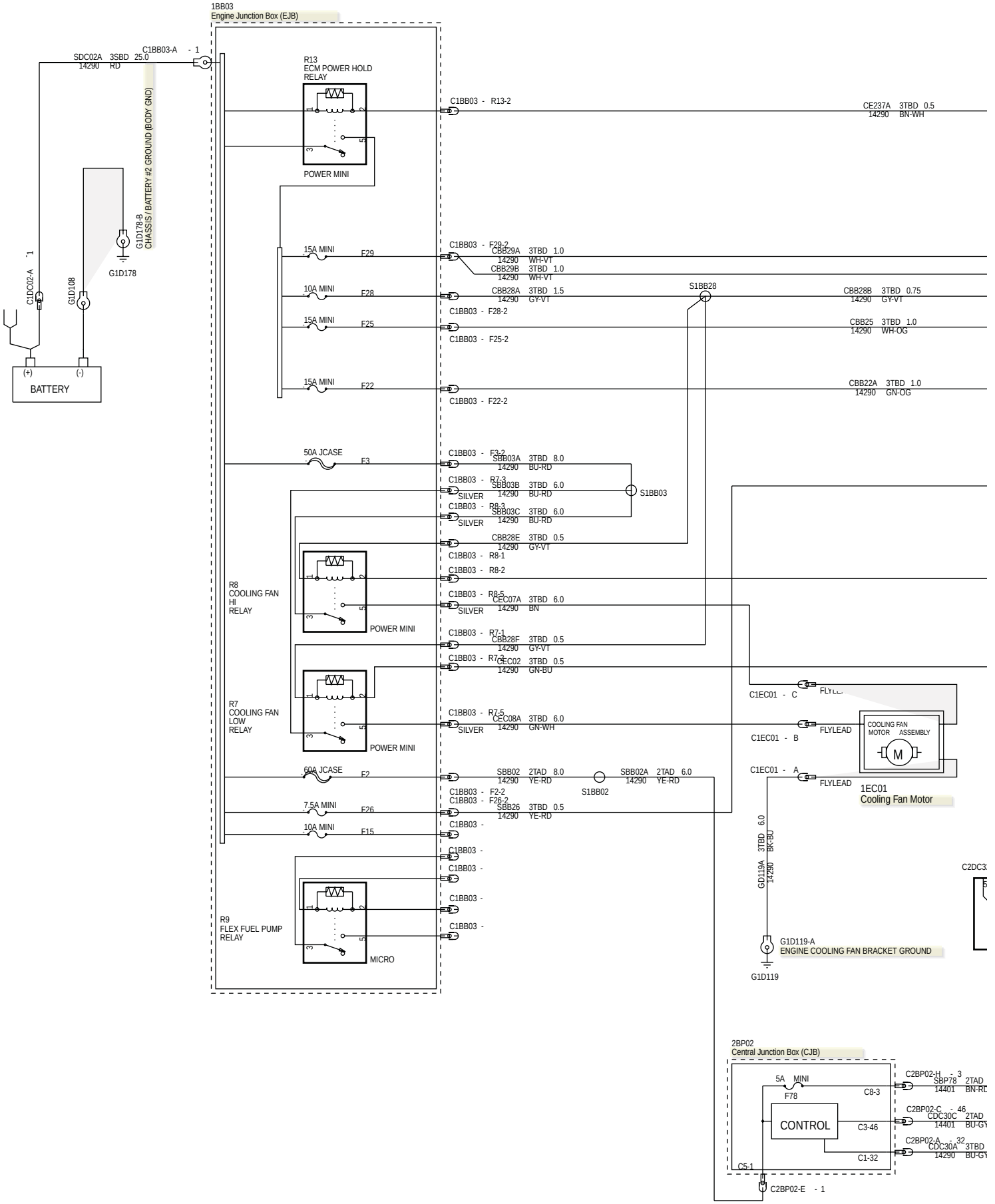
ELECTRICAL CONNECTORS

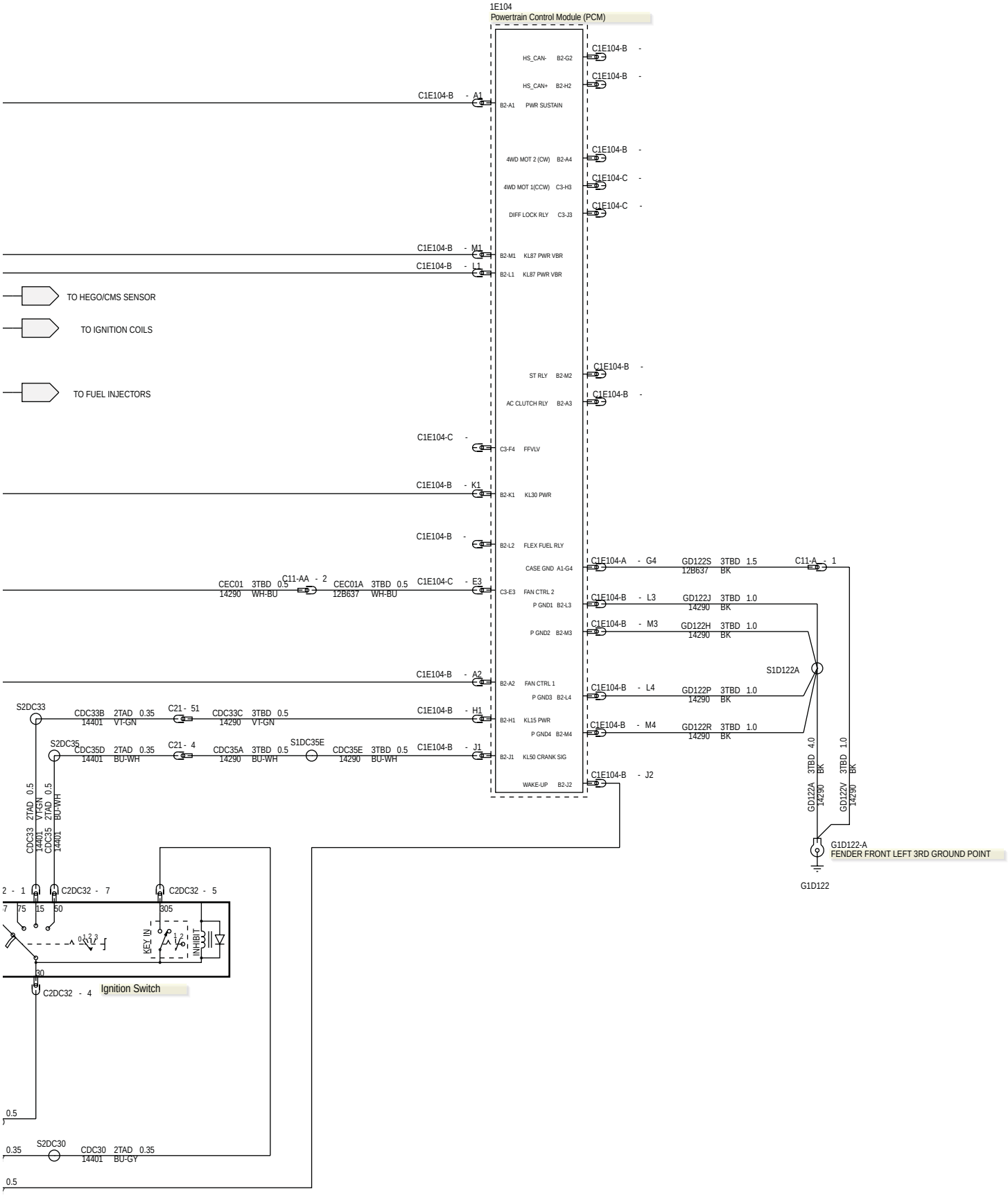
Accelerator Pedal Position (APP) Sensor..... 303-14A-6
Brake Pedal Position (BPP) Switch..... 303-14A-6
Clutch Pedal Position (CPP) Switch..... 303-14A-6
Clutch Pedal Position (CPP) Switch..... 303-14A-6
Vehicle Speed Sensor 1 (VSS1)..... 303-14A-6
Catalyst Monitor Sensor..... 303-14A-7
Crankshaft Position (CKP) Sensor..... 303-14A-7
Engine Coolant Temperature (ECT) Sensor — A..... 303-14A-7
Engine Oil Pressure (EOP) Switch..... 303-14A-7
Heated Oxygen Sensor (HO2S)..... 303-14A-7
Intake Camshaft Position (CMP) Sensor..... 303-14A-8
Intake Variable Valve Timing (VVT) Oil Control Solenoid..... 303-14A-8
Knock Sensor (KS)..... 303-14A-8
Manifold Absolute Pressure and Temperature (MAPT) Sensor..... 303-14A-8
Powertrain Control Module (PCM) — A..... 303-14A-9
Powertrain Control Module (PCM) — B..... 303-14A-9
Powertrain Control Module (PCM) — C..... 303-14A-10
Power Steering Pressure (PSP) Switch..... 303-14A-10
Throttle Control Unit..... 303-14A-10


1E10
Pow
1E735 Heated Oxygen Sensor (HO2S)
HEGO3 HEGO4
HEGO1 HEGO2
1E731 Catalyst Monitor Sensor
CMS-3 CMS-4
CMS-1 CMS-2
W/O ABS
1E822
Vehicle Speed Sensor 1 (VSS1)
1ET47
Reversing Lamp Switch
2E903
Clutch Pedal Position (CPP) Switch
2E904
Clutch Pedal Position (CPP) Switch
2CA29
Brake Pedal Position (BPP) Switch
2CB08
Stoplamp Switch
S1CB08
S1D122A
S1BB28A
S1BB25
S1BB25A
S1BB22D
1ME19
Noise Suppression Capacitor
G1D122-A
FENDER FRONT LEFT 3RD GROUND POINT
G1D122
TO EJB
EU1, EU2
EU4, PROCONVE L5
Ignition Coil-On-Plug 1
Ignition Coil-On-Plug 2
Ignition Coil-On-Plug 3
Ignition Coil-On-Plug 4
1E205
Fuel Injector 1
1E206
Fuel Injector 2
1E207
Fuel Injector 3
1E208
Fuel Injector 4
1E135
Evaporative Emission Canister Purge Valve
1E421
Intake Variable Valve Timing (VVT) Oil Control Solenoid

04
ertrain Control Module (PCM)

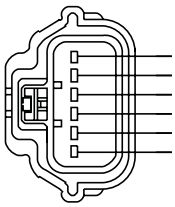



1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
SDC02A 3SBD 25.0
14290 RD
R13
ECM POWER HOLD
RELAY
POWER MINI
C1BB03 - R13-2
CE237A 3TBD 0.5
14290 BN-WH
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
C1DC02-A - 1
G1D108
BATTERY
(+)
(-)
15A MINI F29
C1BB03 - F29-2
CBB29A 3TBD 1.0
14290 WH-VT
CBB29B 3TBD 1.0
14290 WH-VT
10A MINI F28
CBB28A 3TBD 1.5
14290 GY-VT
S1BB28
CBB28B 3TBD 0.75
14290 GY-VT
C1BB03 - F28-2
15A MINI F25
C1BB03 - F25-2
CBB25 3TBD 1.0
14290 WH-OG
15A MINI F22
C1BB03 - F22-2
CBB22A 3TBD 1.0
14290 GN-OG
50A JCASE F3
C1BB03 - F3-2
SBB03A 3TBD 8.0
14290 BU-RD
C1BB03 - R7-3
SBB03B 3TBD 6.0
14290 BU-RD
SILVER
S1BB03
C1BB03 - R8-3
SBB03C 3TBD 6.0
14290 BU-RD
SILVER
CBB28E 3TBD 0.5
14290 GY-VT
C1BB03 - R8-1
C1BB03 - R8-2
R8
COOLING FAN
HI
RELAY
POWER MINI
C1BB03 - R8-5
CEC07A 3TBD 6.0
14290 BN
SILVER
C1BB03 - R7-1
CBB28F 3TBD 0.5
14290 GY-VT
C1BB03 - R7-2
CEC02 3TBD 0.5
14290 GN-BU
R7
COOLING FAN
LOW
RELAY
POWER MINI
C1BB03 - R7-5
CEC08A 3TBD 6.0
14290 GN-WH
SILVER
C1EC01 - C
FLYLEAD
C1EC01 - B
FLYLEAD
COOLING FAN
MOTOR ASSEMBLY
M
C1EC01 - A
FLYLEAD
1EC01
Cooling Fan Motor
60A JCASE F2
SBB02 2TAD 8.0
14290 YE-RD
SBB02A 2TAD 6.0
14290 YE-RD
S1BB02
C1BB03 - F2-2
C1BB03 - F26-2
7.5A MINI F26
SBB26 3TBD 0.5
14290 YE-RD
10A MINI F15
C1BB03 -
C1BB03 -
C1BB03 -
C1BB03 -
C1BB03 -
R9
FLEX FUEL PUMP
RELAY
MICRO
GD119A 3TBD 6.0
14290 BK-BU
G1D119-A
ENGINE COOLING FAN BRACKET GROUND
G1D119
2BP02
Central Junction Box (CJB)
5A MINI
F78
C8-3
CONTROL
C3-46
C1-32
C5-1
C2BP02-E - 1
C2BP02-H - 3
SBP78 2TAD
14401 BN-RD
C2BP02-C - 46
CDC30C 2TAD
14401 BU-GY
C2BP02-A - 32
CDC30A 3TBD
14290 BU-GY


1E104
Powertrain Control Module (PCM)
HS_CAN- B2-G2
HS_CAN+ B2-H2
B2-A1 PWR SUSTAIN
4WD MOT 2 (CW) B2-A4
4WD MOT 1(CCW) C3-H3
DIFF LOCK RLY C3-J3
ST RLY B2-M2
AC CLUTCH RLY B2-A3
C3-F4 FFVLV
B2-K1 KL30 PWR
B2-L2 FLEX FUEL RLY
CASE GND A1-G4
C3-E3 FAN CTRL 2
P GND1 B2-L3
P GND2 B2-M3
B2-A2 FAN CTRL 1
P GND3 B2-L4
B2-H1 KL15 PWR
P GND4 B2-M4
B2-J1 KL50 CRANK SIG
WAKE-UP B2-J2
C1E104-B - A1
C1E104-B - M1
C1E104-B - L1
C1E104-B - K1
C1E104-B - H1
C1E104-B - J1
C1E104-B - J2
C1E104-C - E3
C1E104-A - G4
C1E104-B - L3
C1E104-B - M3
C1E104-B - L4
C1E104-B - M4
TO HEGO/CMS SENSOR
TO IGNITION COILS
TO FUEL INJECTORS
CEC01 3TBD 0.5 14290 WH-BU
C11-AA - 2
CEC01A 3TBD 0.5 12B637 WH-BU
GD122S 3TBD 1.5 12B637 BK
GD122J 3TBD 1.0 14290 BK
GD122H 3TBD 1.0 14290 BK
GD122P 3TBD 1.0 14290 BK
GD122R 3TBD 1.0 14290 BK
C11-A - 1
S1D122A
GD122A 3TBD 4.0 14290 BK
GD122V 3TBD 1.0 14290 BK
G1D122-A
FENDER FRONT LEFT 3RD GROUND POINT
G1D122
S2DC33
CDC33B 2TAD 0.35 14401 VT-GN
C21 - 51
CDC33C 3TBD 0.5 14290 VT-GN
S2DC35
CDC35D 2TAD 0.35 14401 BU-WH
C21 - 4
CDC35A 3TBD 0.5 14290 BU-WH
S1DC35E
CDC35E 3TBD 0.5 14290 BU-WH
CDC33 2TAD 0.5 14401 VT-GN
CDC35 2TAD 0.5 14401 BU-WH
C2DC32 - 7
C2DC32 - 5
87 75 15 50
305
KEY IN
INHIBIT
30
C2DC32 - 4
Ignition Switch
0.5
S2DC30
0.35
CDC30 2TAD 0.35 14401 BU-GY
0.5

Accelerator Pedal Position (APP) Sensor (G1404002)

PIN 1 => LE136A GN-OG 0.5 3TBD
PIN 2 => VE701B YE-OG 0.5 3TBD
PIN 3 => RE136A VT-GN 0.5 3TBD
PIN 4 => RE137B YE-GN 0.5 3TBD
PIN 5 => VE702A BU-WH 0.5 3TBD
PIN 6 => LE137B BU-GY 0.5 3TBD



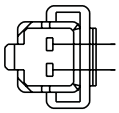
1 LE136B GN-OG 3TBD 0.5 GOLD
2 VE701A YE-OG 3TBD 0.5 GOLD
3 RE136B VT-GN 3TBD 0.5 GOLD
4 RE137A YE-GN 3TBD 0.5 GOLD
5 VE702B BU-WH 3TBD 0.5 GOLD
6 LE137A BU-GY 3TBD 0.5 GOLD

8U5T-14A464-JAA(000)

C2E701
TO ACCELERATOR PEDAL
HARNESS 14290

Brake Pedal Position (BPP) Switch (G1404158)

PIN 2 => CCA29A GN-BU 0.5 3TBD



1 GD122M BK 3TBD 0.5
2 CCA29B GN-BU 3TBD 0.5

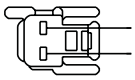
F5LB-14489-BA

C2CA29
TO SPEED CONTROL INHIBIT SWITCH

HARNESS 14290

Clutch Pedal Position (CPP) Switch (G1404159)

PIN 1 => CE903B BU-OG 0.5 3TBD



2 GD122W BK 3TBD 0.5 GOLD
1 CE903A BU-OG 3TBD 0.5 GOLD

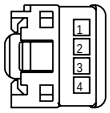
97BG-14489-YBB

C2E903
TO CPP-BT

HARNESS 14290

Clutch Pedal Position (CPP) Switch (G1404160)

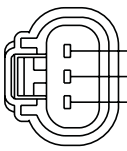
PIN 2 => CE904A GN-VT 0.5 3TBD



1
2 CE904B GN-VT 3TBD 0.5 SILVER
3 GD122L BK 3TBD 0.5 SILVER
4

1L2T-14489-GC
C2E904
TO CPP-TT
HARNESS 14290

Vehicle Speed Sensor 1 (VSS1) (G1404208)



1 VMC05 VT-OG 4TBD 0.5 GOLD
2 VE822 YE-BU 4TBD 0.5 GOLD
3 CES07 BN 4TBD 0.5 GOLD

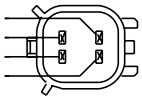
2L1T-14A464-ZA

C1E822
TO VEHICLE SPEED SENSOR

HARNESS 14K039

Catalyst Monitor Sensor (G1404226)

VE731C	YE-GN	4TBD	0.75	SILVER	4
CE233C	WH-OG	4TBD	0.75	SILVER	2
CBB28C	GY-VT	4TBD	0.75	SILVER	1
RE242C	GN	4TBD	0.75	SILVER	3

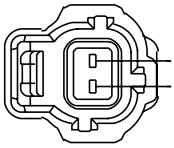


7U5T-14A624-BA(000)

C1E731
TO FLYLEAD CMS

HARNESS 14K039

Crankshaft Position (CKP) Sensor (G1404227)



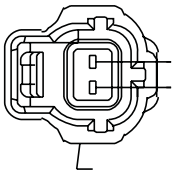
2	RE135A	GN-BN	3TBD	0.75	GOLD
1	VE711B	YE-VT	3TBD	0.75	GOLD

F7RB-14A464-AA

C1E711
TO CRANKSHAFT POSITION SENSOR PETROL

HARNESS 12B637

Engine Coolant Temperature (ECT) Sensor—A (G1404228)



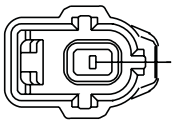
2	RE141B	BN-GN	3TBD	0.5	GOLD
1	VE716B	YE	3TBD	0.5	GOLD

F5AB-14A464-BB

C1E716-A
TO ENGINE COOLANT TEMP SENSOR

HARNESS 12B637

Engine Oil Pressure (EOP) Switch (G1404229)



1	CE908C	BU-BN	3TBD	0.5

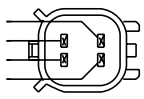
F65B-14A464-CA

C1MC24
TO OIL PRESSURE SWITCH PETROL

HARNESS 12B637

Heated Oxygen Sensor (HO2S) (G1404252)

						VE735C	VT-GN	4TBD	0.75	SILVER	4
						CE235C	GN-BN	4TBD	0.75	SILVER	2
CBB28H	GY-VT	4TBD	0.75	+		CBB28N	GY-VT	4TBD	0.75	SILVER	1
						RE240C	YE-GN	4TBD	0.75	SILVER	3

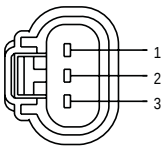


7U5T-14A624-CA(000)

C1E735
TO FLYLEAD HEGO

HARNESS 14K039

Intake Camshaft Position (CMP) Sensor (G1404253)



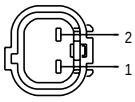
1	VE706A	BN-BU	3TBD	0.5		GOLD
2	VE707A	GN-VT	3TBD	0.5		GOLD
3	RE143A	VT	3TBD	0.5		GOLD

2L1T-14A464-ZA

C1E706
TO CAMSHAFT POSITION SENSOR PETROL

HARNESS 12B637

Intake Variable Valve Timing (VVT) Oil Control Solenoid (G1404254)



2	CE421A	VT	3TBD	0.5		GOLD
1	CBB22J	GN-OG	3TBD	0.75		GOLD

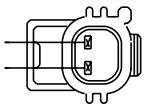
XF2T-14A464-YC

C1E421
TO IVCT CONTROL VALVE

HARNESS 12B637

Knock Sensor (KS) (G1404255)

VE801AB	VT-OG	3TAD	0.5	GOLD	2	
RE323AB	WH-BN	3TAD	0.5	GOLD	1	

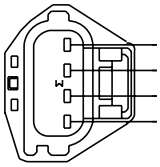


98AG-14A624-ABB

C1E801
TO FLYLEAD KNOCK SENSOR

HARNESS 12B637

Manifold Absolute Pressure and Temperature (MAPT) Sensor (G1404256)



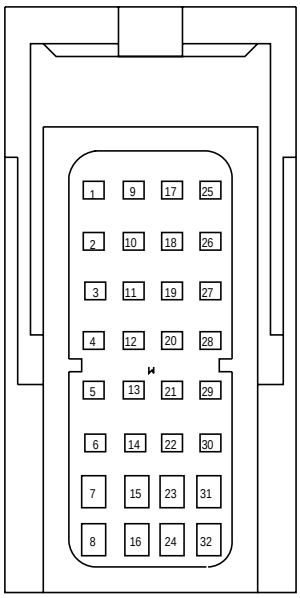
4	RE804A	GY-BU	3TBD	0.5	GOLD
3	VE804A	GN-BN	3TBD	0.5	GOLD
2	RE433A	BU-GY	3TBD	0.5	GOLD
1	VE803B	BU-GN	3TBD	0.5	GOLD

4M5T-14A464-YDA

C1E804
TO TEMP MANIFOLD ABSOLUTE PRESSURE SENSOR

HARNESS 12B637

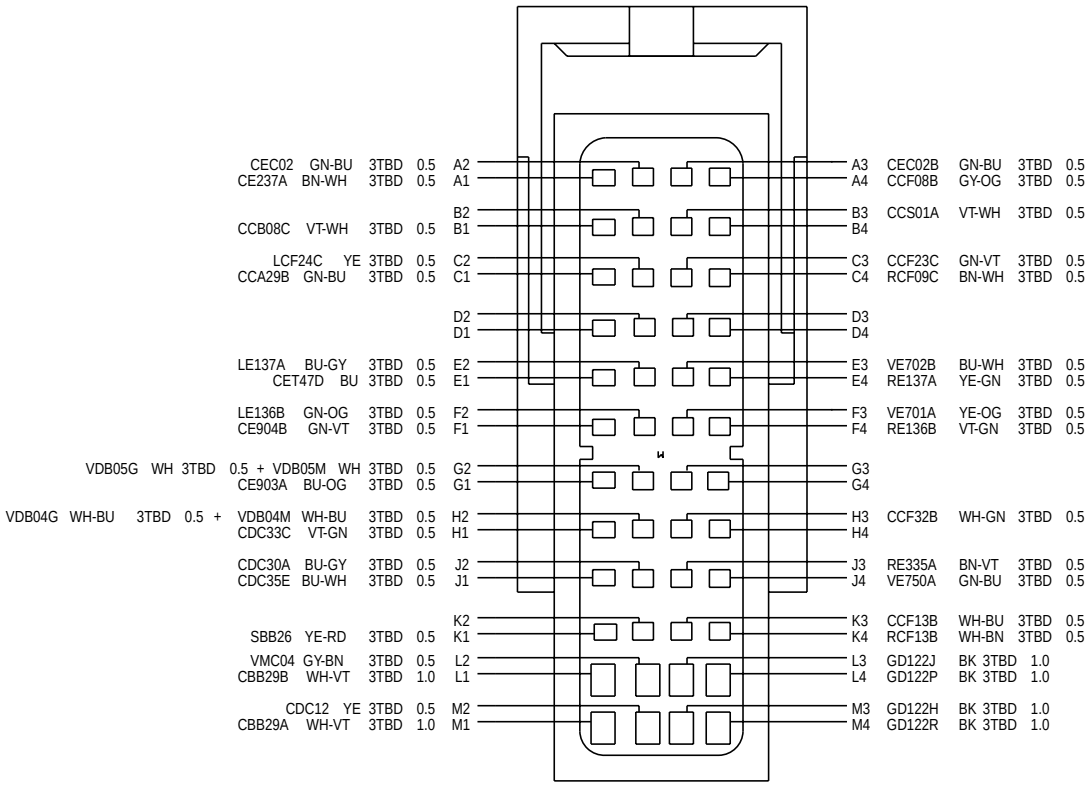
Powertrain Control Module (PCM)—A (G1404272)



1 CH423A YE 3TBD 0.5
2
3
4 VE822C YE-BU 3TBD 0.5
5
6 VE711B YE-VT 3TBD 0.75
7 CE304A YE-BU 3TBD 1.5
8 CE306A GN-VT 3TBD 1.5
9
10
11 VMC05C VT-OG 3TBD 0.5
12
13 VE706A BN-BU 3TBD 0.5
14 RE135A GN-BN 3TBD 0.75
15
16 CE303A WH-VT 3TBD 1.5
17 VE801AB VT-OG 3TAD 0.5
18
19
20
21 VE707A GN-VT 3TBD 0.5
22
23
24 CE305A BU-OG 3TBD 1.5
25 RE323AB WH-BN 3TAD 0.5
26 RE324A BN-GN 3TBD 0.5
27 CES07C BN 3TBD 0.5
28
29 RE143A VT 3TBD 0.5
30 RE401A GN-BU 3TBD 0.5
31 GD122S BK 3TBD 1.5
32

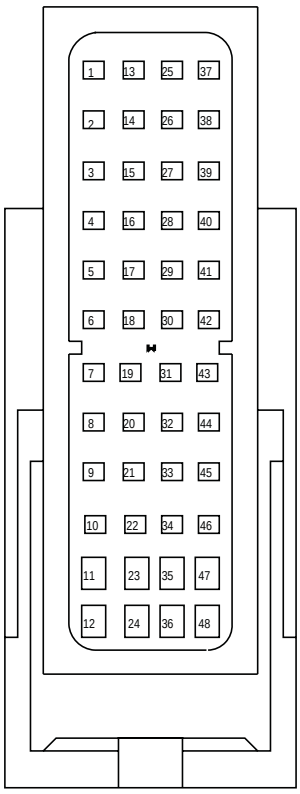
7V6N-14A464-RA(099)
C1E104-A
TO ECM1 PETROL
HARNESS 12B637

Powertrain Control Module (PCM)—B (G1404273)



7V6N-14A464-VA(099)
C1E104-B
TO ECM2 PETROL
HARNESS 14290

Powertrain Control Module (PCM)—C (G1404274)



1	
2	
3	VDC46CA BU-BN 3TBD 0.75
4	
5	
6	CE930B WH-GN 3TBD 0.5
7	CE421A VT 3TBD 0.5
8	CE207D VT-GY 3TBD 0.5
9	CE206D GY-YE 3TBD 0.5
10	CE208D YE-OG 3TBD 0.75
11	CE235 GN-BN 3TBD 0.5
12	VE819A GN-VT 3TBD 0.75
13	CE908C BU-BN 3TBD 0.5
14	
15	VE818AB BN 3TBD 0.5
16	CE426AB BU-GN 3TBD 0.5
17	CEC01A WH-BU 3TBD 0.5
18	RE433A BU-GY 3TBD 0.5
19	VE804A GN-BN 3TBD 0.5
20	CCF07C BN-GN 3TBD 0.5
21	VET68A VT-OG 3TBD 0.5
22	CE205D GN-BU 3TBD 0.5
23	CE233 WH-OG 3TBD 0.75
24	LE428A BU-WH 3TBD 0.75
25	
26	
27	VE716B YE 3TBD 0.5
28	CE412AB YE-VT 3TBD 0.5
29	VE724A GY 3TBD 0.5
30	VE803B BU-GN 3TBD 0.5
31	
32	VE731 YE-GN 3TBD 0.5
33	VE735 VT-GN 3TBD 0.5
34	
35	CE408A GY-BN 3TBD 0.75
36	
37	
38	
39	RE141B BN-GN 3TBD 0.5
40	CE129A BU 3TBD 0.5
41	VMC04A GY-BN 3TBD 0.5
42	RE804A GY-BU 3TBD 0.5
43	
44	RE242 GN 3TBD 0.5
45	RE240 YE-GN 3TBD 0.5
46	
47	
48	

7V6N-14A464-TA(099)

C1E104-C
TO ECM3 PETROL

HARNESS 12B637

Power Steering Pressure (PSP) Switch (G1404275)



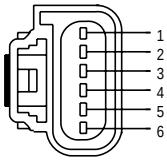
1	CCS01	VT-WH	3TBD	0.5	

6E5T-14489-UA

C1CS09
TO POWER STEERING PRESSURE SWITCH

HARNESS 12B637

Throttle Control Unit (G1405433)



1	VE819A	GN-VT	3TBD	0.75	
2	LE428A	BU-WH	3TBD	0.75	
3	VE818AB	BN	3TBD	0.5	GOLD
4	CE129A	BU	3TBD	0.5	GOLD
5	CE426AB	BU-GN	3TBD	0.5	GOLD
6	CE412AB	YE-VT	3TBD	0.5	GOLD

3L2T-14A464-BA(000)

C1E138
TO ELECTRONIC THROTTLE BODY PETROL

HARNESS 12B637

SECTION 303-14B Electronic Engine Controls — 2.2L

Duratorq-TDCi (Puma) Diesel/3.2L Duratorq-TDCi (Puma) Diesel

VEHICLE APPLICATION: 2012.0 Ranger

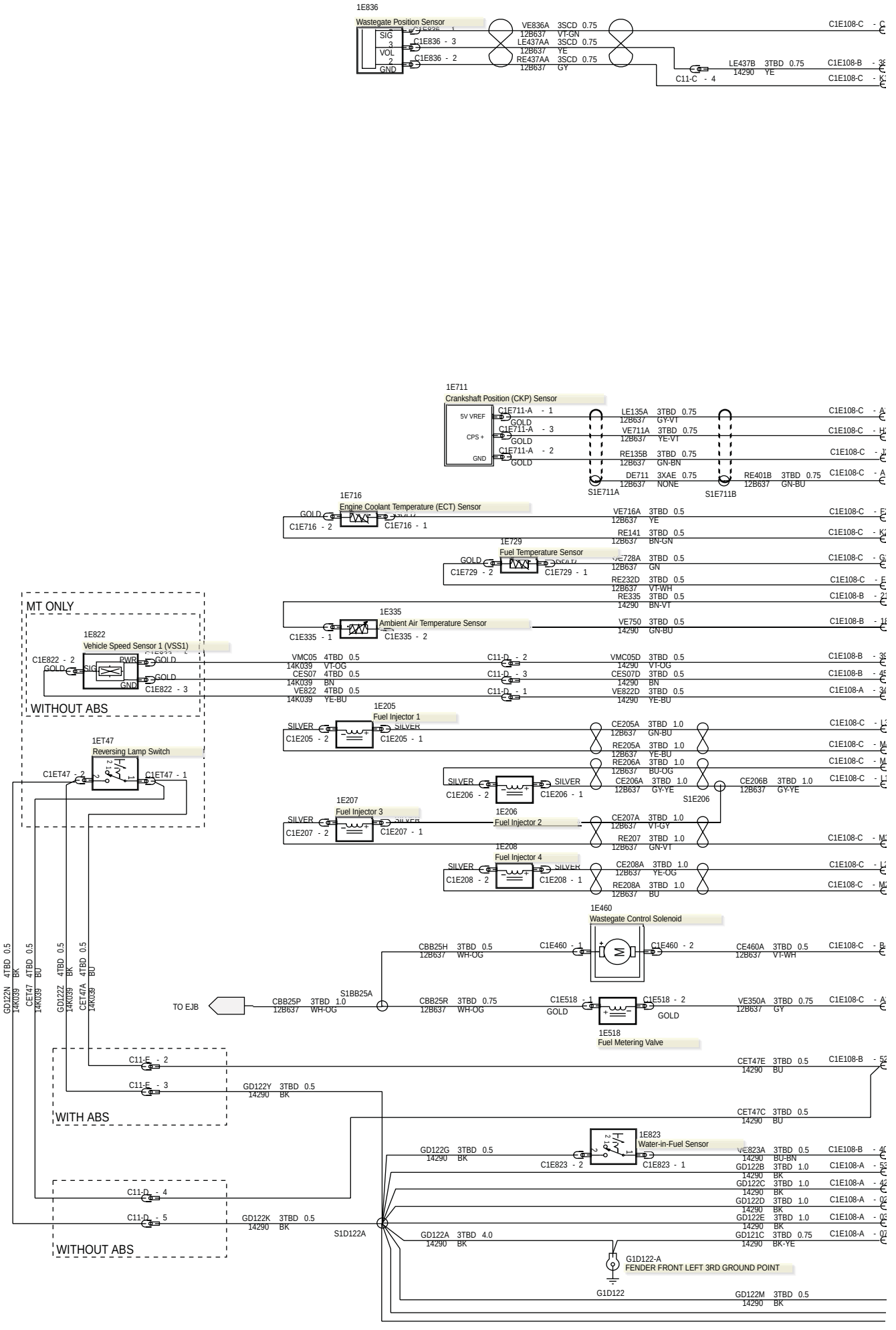
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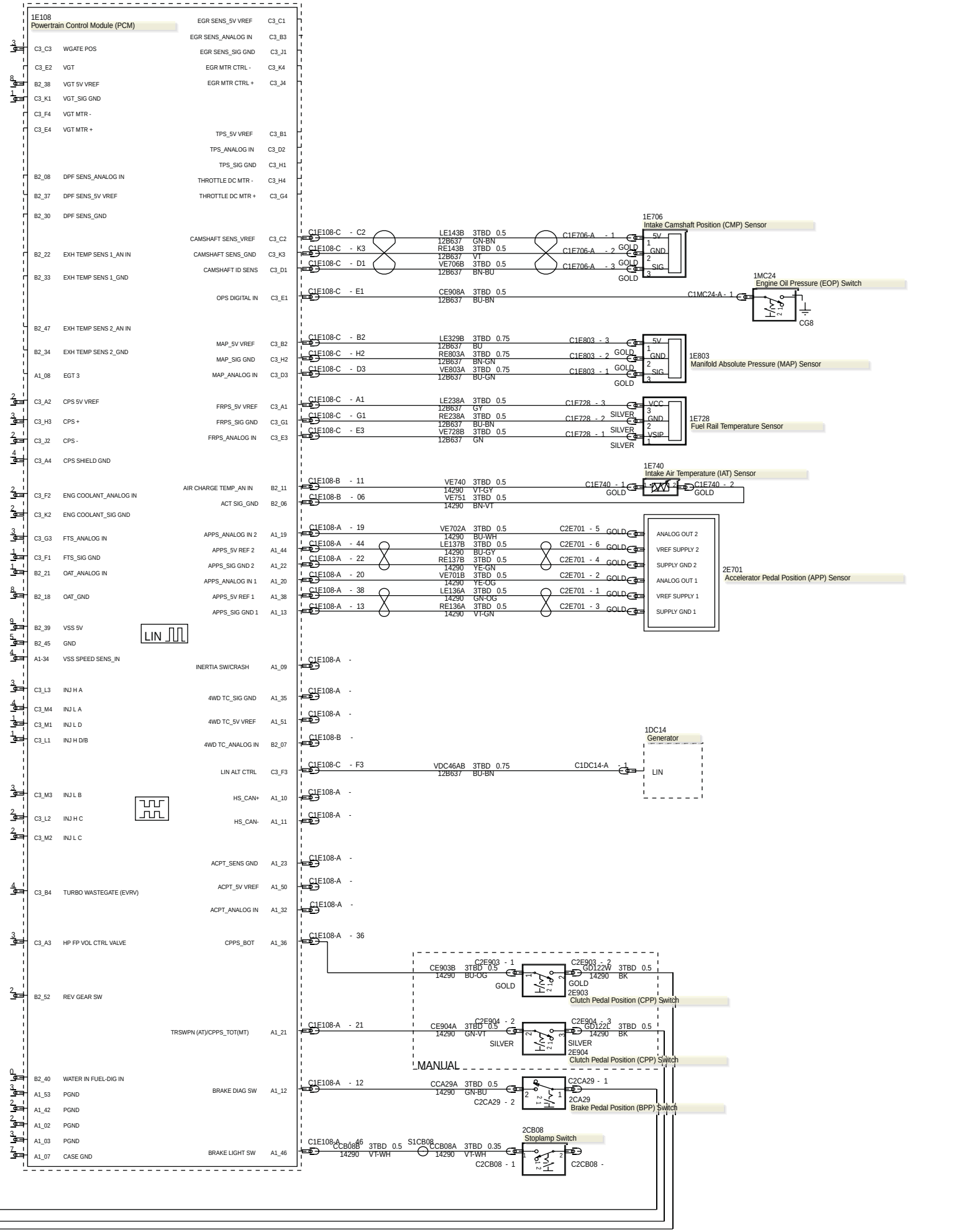
ELECTRICAL SCHEMATICS

Engine Control — 2.2L Duratorq-TDCi (88kW/120PS) - Puma..... 303-14B-2
Engine Control — 2.2L Duratorq-TDCi (110kW/150PS) - Puma, Vehicles With: 6-Speed Automatic Transaxle - 6R80, Emission Requirements: DGA Emissions..... 303-14B-6
Engine Control — 2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma, Vehicles With: 5-Speed Manual Transmission - MT75/6-Speed Manual Transmission - MT82..... 303-14B-10
Engine Control — 2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma, Vehicles With: 6-Speed Automatic Transaxle - 6R80..... 303-14B-14
Engine Control — 3.2L Duratorq-TDCi (148kW/200PS) - Puma, Vehicles With: 6-Speed Manual Transmission - MT82..... 303-14B-18
Engine Control — 3.2L Duratorq-TDCi (148kW/200PS) - Puma, Vehicles With: 6-Speed Automatic Transaxle - 6R80..... 303-14B-22

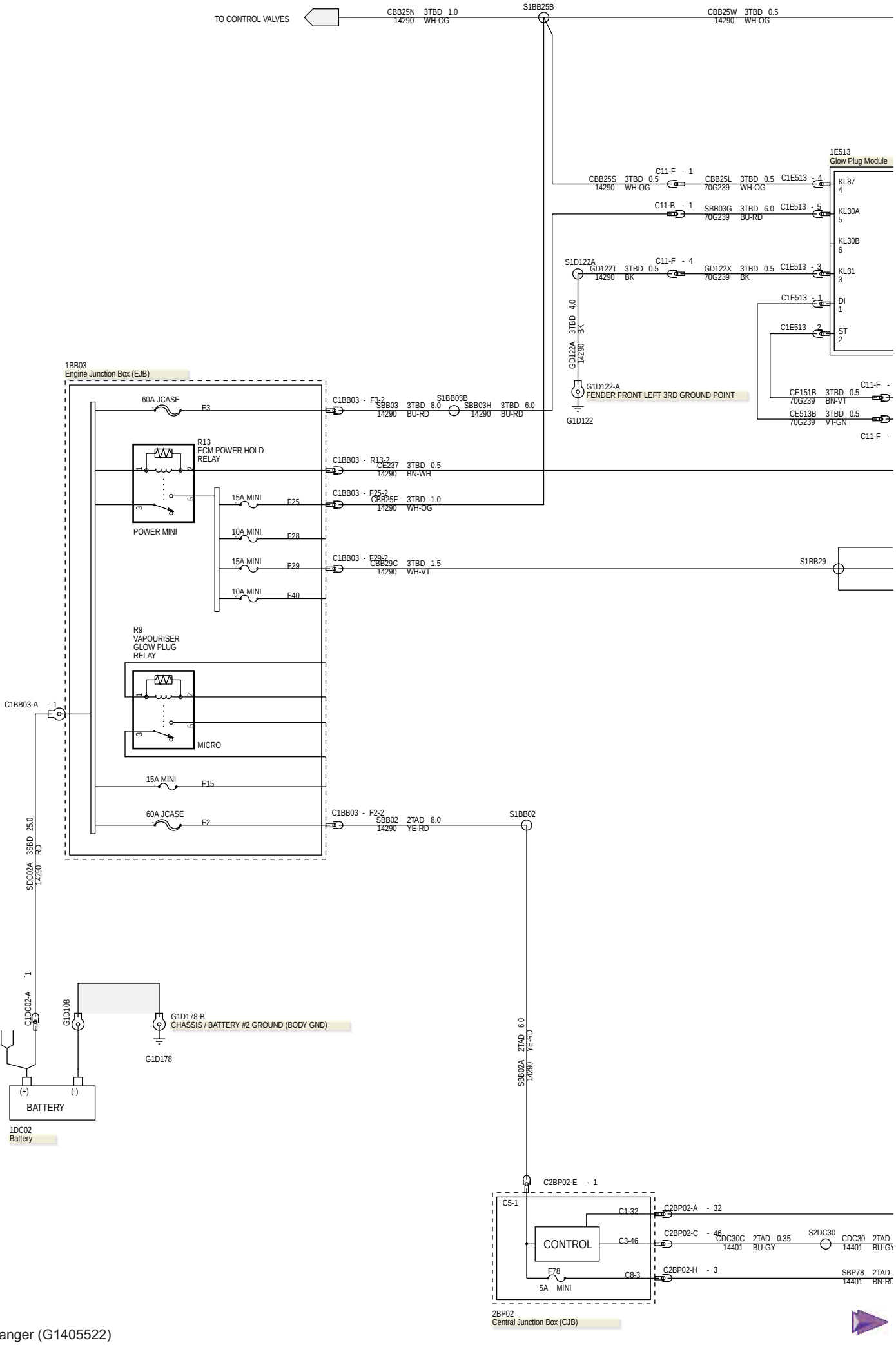
ELECTRICAL CONNECTORS

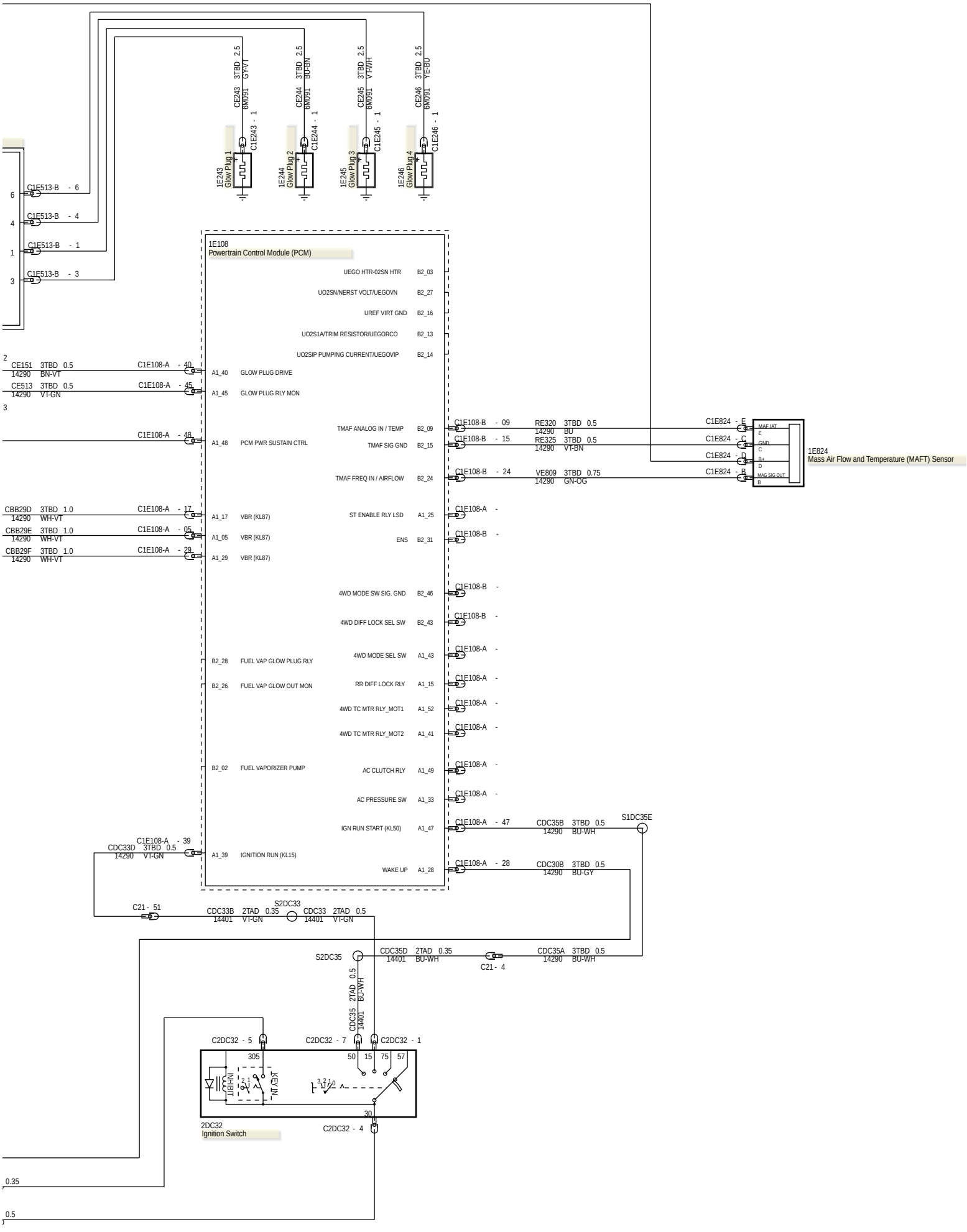
Accelerator Pedal Position (APP) Sensor..... 303-14B-26
Brake Pedal Position (BPP) Switch..... 303-14B-26
Clutch Pedal Position (CPP) Switch..... 303-14B-26
Clutch Pedal Position (CPP) Switch..... 303-14B-26
Crankshaft Position (CKP) Sensor — A..... 303-14B-26
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Engine Coolant Temperature (ECT) Sensor..... 303-14B-27
Engine Oil Pressure (EOP) Switch — A..... 303-14B-27
Exhaust Gas Temperature Sensor..... 303-14B-27
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Fuel Temperature Sensor..... 303-14B-28
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Post DPF Exhaust Gas Temperature Sensor..... 303-14B-29
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Powertrain Control Module (PCM) — C..... 303-14B-30
Pre DPF Exhaust Gas Temperature Sensor..... 303-14B-31
Throttle Control Unit — A..... 303-14B-31
Vehicle Speed Sensor 1 (VSS1)..... 303-14B-31
Wastegate Control Solenoid..... 303-14B-31


1E836
Wastegate Position Sensor
SIG 3
VOL 2
GND
C1E836 - 3
C1E836 - 2
VE836A 3SCD 0.75 12B637 VT-GN
LE437AA 3SCD 0.75 12B637 YE
RE437AA 3SCD 0.75 12B637 GY
C11-C - 4
LE437B 3TBD 0.75 14290 YE
C1E108-C
C1E108-B
1E711
Crankshaft Position (CKP) Sensor
5V VREF
CPS +
GND
C1E711-A - 1
C1E711-A - 3
C1E711-A - 2
GOLD
LE135A 3TBD 0.75 12B637 GY-VI
VE711A 3TBD 0.75 12B637 YE-VI
RE135B 3TBD 0.75 12B637 GN-BN
DE711 3XAE 0.75 12B637 NONE
RE401B 3TBD 0.75 12B637 GN-BU
S1E711A
S1E711B
1E716
Engine Coolant Temperature (ECT) Sensor
C1E716 - 2
C1E716 - 1
VE716A 3TBD 0.5 12B637 YE
RE141 3TBD 0.5 12B637 BN-GN
1E729
Fuel Temperature Sensor
C1E729 - 2
C1E729 - 1
VE728A 3TBD 0.5 12B637 GN
RE232D 3TBD 0.5 12B637 VT-WH
RE335 3TBD 0.5 14290 BN-VT
1E335
Ambient Air Temperature Sensor
C1E335 - 1
C1E335 - 2
VE750 3TBD 0.5 14290 GN-BU
MT ONLY
1E822
Vehicle Speed Sensor 1 (VSS1)
C1E822 - 2
C1E822 - 3
PWR
SIG
GND
VMC05 4TBD 0.5 14K039 VT-OG
CES07 4TBD 0.5 14K039 BN
VE822 4TBD 0.5 14K039 YE-BU
C11-D - 2
C11-D - 3
C11-D - 1
VMC05D 3TBD 0.5 14290 VT-OG
CES07D 3TBD 0.5 14290 BN
VE822D 3TBD 0.5 14290 YE-BU
WITHOUT ABS
1E205
Fuel Injector 1
C1E205 - 2
C1E205 - 1
SILVER
CE205A 3TBD 1.0 12B637 GN-BU
RE205A 3TBD 1.0 12B637 YE-BU
1ET47
Reversing Lamp Switch
C1ET47 - 2
C1ET47 - 1
RE206A 3TBD 1.0 12B637 BU-OG
C1E206 - 2
C1E206 - 1
CE206A 3TBD 1.0 12B637 GY-YE
CE206B 3TBD 1.0 12B637 GY-YE
S1E206
1E207
Fuel Injector 3
C1E207 - 2
C1E207 - 1
1E206
Fuel Injector 2
CE207A 3TBD 1.0 12B637 VT-GY
RE207 3TBD 1.0 12B637 GN-VT
1E208
Fuel Injector 4
C1E208 - 2
C1E208 - 1
CE208A 3TBD 1.0 12B637 YE-OG
RE208A 3TBD 1.0 12B637 BU
1E460
Wastegate Control Solenoid
C1E460 - 1
C1E460 - 2
CBB25H 3TBD 0.5 12B637 WH-OG
CE460A 3TBD 0.5 12B637 VT-WH
GD122N 4TBD 0.5 14K039 BK
CET47 4TBD 0.5 14K039 BU
GD122Z 4TBD 0.5 14K039 BK
CET47A 4TBD 0.5 14K039 BU
TO EJB
CBB25P 3TBD 1.0 12B637 WH-OG
S1BB25A
CBB25R 3TBD 0.75 12B637 WH-OG
C1E518 - 1
C1E518 - 2
GOLD
VE350A 3TBD 0.75 12B637 GY
1E518
Fuel Metering Valve
C11-E - 2
C11-E - 3
WITH ABS
GD122Y 3TBD 0.5 14290 BK
CET47E 3TBD 0.5 14290 BU
CET47C 3TBD 0.5 14290 BU
1E823
Water-in-Fuel Sensor
GD122G 3TBD 0.5 14290 BK
C1E823 - 2
C1E823 - 1
VE823A 3TBD 0.5 14290 BU-BN
GD122B 3TBD 1.0 14290 BK
GD122C 3TBD 1.0 14290 BK
GD122D 3TBD 1.0 14290 BK
GD122E 3TBD 1.0 14290 BK
GD121C 3TBD 0.75 14290 BK-YE
C11-D - 4
C11-D - 5
WITHOUT ABS
GD122K 3TBD 0.5 14290 BK
S1D122A
GD122A 3TBD 4.0 14290 BK
G1D122-A
FENDER FRONT LEFT 3RD GROUND POINT
G1D122
GD122M 3TBD 0.5 14290 BK

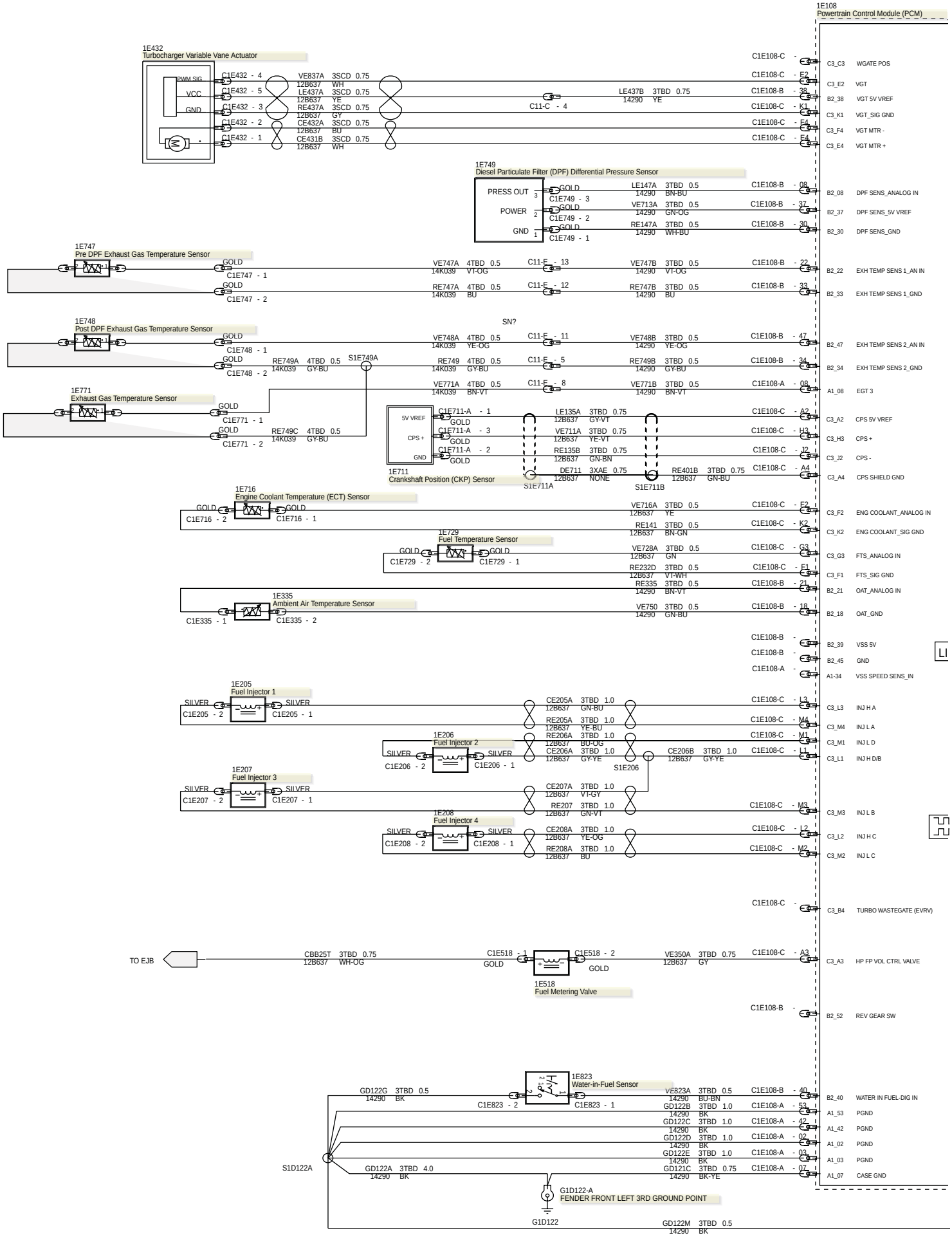

1E108
Powertrain Control Module (PCM)
C3_C3 WGATE POS
C3_E2 VGT
B2_38 VGT 5V VREF
C3_K1 VGT_SIG GND
C3_F4 VGT MTR -
C3_E4 VGT MTR +
B2_08 DPF SENS_ANALOG IN
B2_37 DPF SENS_5V VREF
B2_30 DPF SENS_GND
B2_22 EXH TEMP SENS 1_AN IN
B2_33 EXH TEMP SENS 1_GND
B2_47 EXH TEMP SENS 2_AN IN
B2_34 EXH TEMP SENS 2_GND
A1_08 EGT 3
C3_A2 CPS 5V VREF
C3_H3 CPS +
C3_J2 CPS -
C3_A4 CPS SHIELD GND
C3_F2 ENG COOLANT_ANALOG IN
C3_K2 ENG COOLANT_SIG GND
C3_G3 FTS_ANALOG IN
C3_F1 FTS_SIG GND
B2_21 OAT_ANALOG IN
B2_18 OAT_GND
B2_39 VSS 5V
B2_45 GND
A1-34 VSS SPEED SENS_IN
C3_L3 INJ H A
C3_M4 INJ L A
C3_M1 INJ L D
C3_L1 INJ H D/B
C3_M3 INJ L B
C3_L2 INJ H C
C3_M2 INJ L C
C3_B4 TURBO WASTEGATE (EVRV)
C3_A3 HP FP VOL CTRL VALVE
B2_52 REV GEAR SW
B2_40 WATER IN FUEL-DIG IN
A1_53 PGND
A1_42 PGND
A1_02 PGND
A1_03 PGND
A1_07 CASE GND
EGR SENS_5V VREF C3_C1
EGR SENS_ANALOG IN C3_B3
EGR SENS_SIG GND C3_J1
EGR MTR CTRL - C3_K4
EGR MTR CTRL + C3_J4
TPS_5V VREF C3_B1
TPS_ANALOG IN C3_D2
TPS_SIG GND C3_H1
THROTTLE DC MTR - C3_H4
THROTTLE DC MTR + C3_G4
CAMSHAFT SENS_VREF C3_C2
CAMSHAFT SENS_GND C3_K3
CAMSHAFT ID SENS C3_D1
OPS DIGITAL IN C3_E1
MAP_5V VREF C3_B2
MAP_SIG GND C3_H2
MAP_ANALOG IN C3_D3
FRPS_5V VREF C3_A1
FRPS_SIG GND C3_G1
FRPS_ANALOG IN C3_E3
AIR CHARGE TEMP_AN IN B2_11
ACT SIG_GND B2_06
APPS_ANALOG IN 2 A1_19
APPS_5V REF 2 A1_44
APPS_SIG GND 2 A1_22
APPS_ANALOG IN 1 A1_20
APPS_5V REF 1 A1_38
APPS_SIG GND 1 A1_13
INERTIA SW/CRASH A1_09
4WD TC_SIG GND A1_35
4WD TC_5V VREF A1_51
4WD TC_ANALOG IN B2_07
LIN ALT CTRL C3_F3
HS_CAN+ A1_10
HS_CAN- A1_11
ACPT_SENS GND A1_23
ACPT_5V VREF A1_50
ACPT_ANALOG IN A1_32
CPPS_BOT A1_36
TRSWPN (AT)/CPPS_TOT(MT) A1_21
BRAKE DIAG SW A1_12
BRAKE LIGHT SW A1_46
LIN
C1E108-C - C2 LE143B 3TBD 0.5 12B637 GN-BN C1E706-A - 1
C1E108-C - K3 RE143B 3TBD 0.5 12B637 VT C1E706-A - 2
C1E108-C - D1 VE706B 3TBD 0.5 12B637 BN-BU C1E706-A - 3
1E706
Intake Camshaft Position (CMP) Sensor
5V
GND
SIG
GOLD
C1E108-C - E1 CE908A 3TBD 0.5 12B637 BU-BN C1MC24-A - 1
1MC24
Engine Oil Pressure (EOP) Switch
CG8
C1E108-C - B2 LE329B 3TBD 0.75 12B637 BU C1E803 - 3
C1E108-C - H2 RE803A 3TBD 0.75 12B637 BN-GN C1E803 - 2
C1E108-C - D3 VE803A 3TBD 0.75 12B637 BU-GN C1E803 - 1
1E803
Manifold Absolute Pressure (MAP) Sensor
C1E108-C - A1 LE238A 3TBD 0.5 12B637 GY C1E728 - 3
C1E108-C - G1 RE238A 3TBD 0.5 12B637 BU-BN C1E728 - 2
C1E108-C - E3 VE728B 3TBD 0.5 12B637 GN C1E728 - 1
SILVER
VCC
GND
VSIP
1E728
Fuel Rail Temperature Sensor
C1E108-B - 11 VE740 3TBD 0.5 14290 VT-GY C1E740 - 1
C1E108-B - 06 VE751 3TBD 0.5 14290 BN-VT C1E740 - 2
1E740
Intake Air Temperature (IAT) Sensor
C1E108-A - 19 VE702A 3TBD 0.5 14290 BU-WH C2E701 - 5
C1E108-A - 44 LE137B 3TBD 0.5 14290 BU-GY C2E701 - 6
C1E108-A - 22 RE137B 3TBD 0.5 14290 YE-GN C2E701 - 4
C1E108-A - 20 VE701B 3TBD 0.5 14290 YE-OG C2E701 - 2
C1E108-A - 38 LE136A 3TBD 0.5 14290 GN-OG C2E701 - 1
C1E108-A - 13 RE136A 3TBD 0.5 14290 VT-GN C2E701 - 3
ANALOG OUT 2
VREF SUPPLY 2
SUPPLY GND 2
ANALOG OUT 1
VREF SUPPLY 1
SUPPLY GND 1
2E701
Accelerator Pedal Position (APP) Sensor
C1E108-A -
C1E108-B - F3 VDC46AB 3TBD 0.75 12B637 BU-BN C1DC14-A - 1
1DC14
Generator
LIN
CE903B 3TBD 0.5 14290 BU-OG C2E903 - 1
C2E903 - 2 GD122W 3TBD 0.5 14290 BK
2E903
Clutch Pedal Position (CPP) Switch
CE904A 3TBD 0.5 14290 GN-VT C2E904 - 2
C2E904 - 3 GD122C 3TBD 0.5 14290 BK
2E904
Clutch Pedal Position (CPP) Switch
MANUAL
C1E108-A - 12 CCA29A 3TBD 0.5 14290 GN-BU C2CA29 - 2
C2CA29 - 1
2CA29
Brake Pedal Position (BPP) Switch
C1E108-A - 46 CCB08B 3TBD 0.5 14290 VT-WH S1CB08 CCB08A 3TBD 0.35 14290 VT-WH C2CB08 - 1
2CB08
Stoplamp Switch
C2CB08 -

303-14B-4 Engine Control—2.2L Duratorq-TDCi (88kW/120PS) - Puma

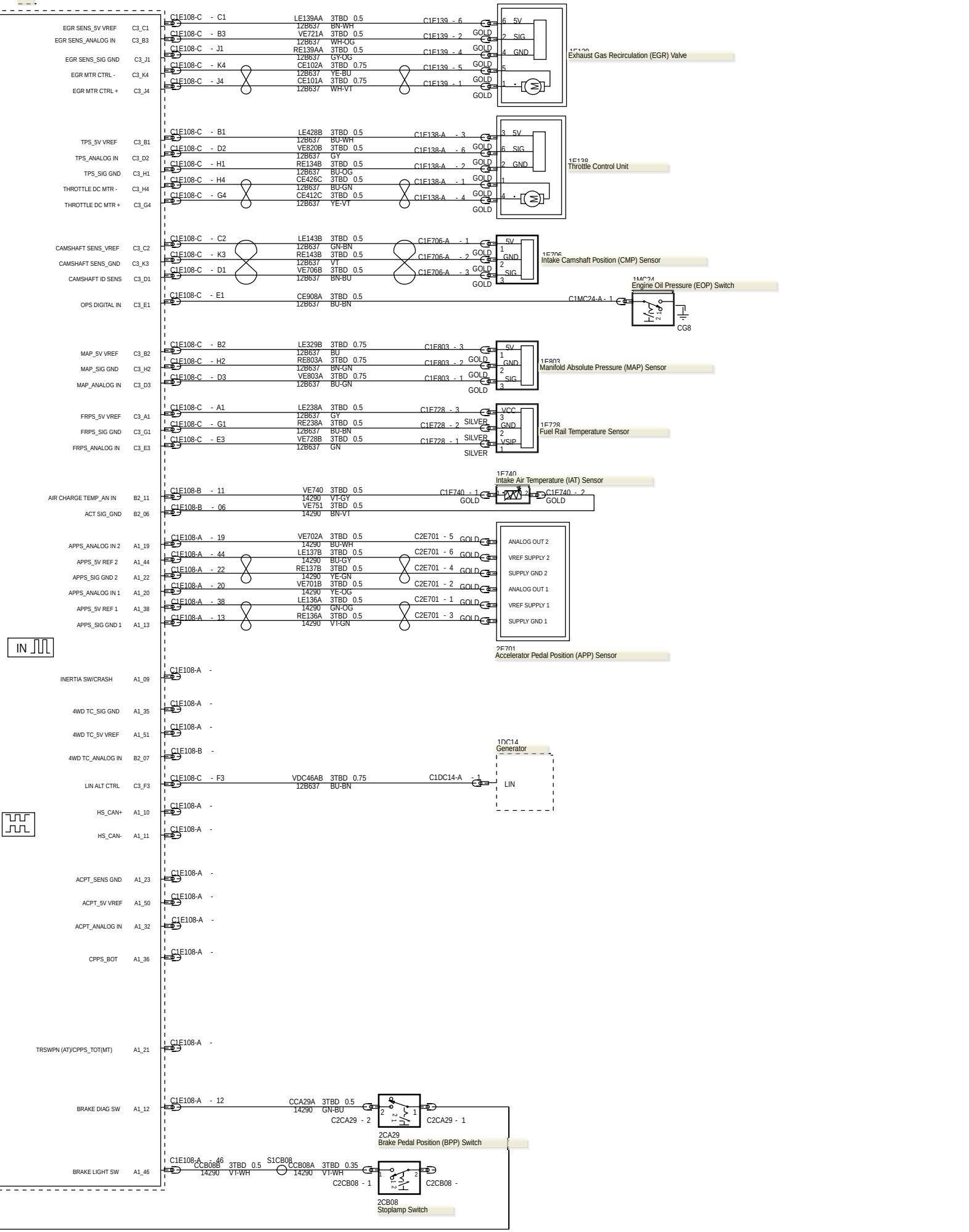



1E108
Powertrain Control Module (PCM)
1E824
Mass Air Flow and Temperature (MAFT) Sensor
2DC32
Ignition Switch
1E243 Glow Plug 1
1E244 Glow Plug 2
1E245 Glow Plug 3
1E246 Glow Plug 4
CE243 3TBD 2.5 GY-VT
CE244 3TBD 2.5 BU-BN
CE245 3TBD 2.5 VT-WH
CE246 3TBD 2.5 YE-BU
C1E513-B - 6
C1E513-B - 4
C1E513-B - 1
C1E513-B - 3
UEGO HTR-02SN HTR B2_03
UO2SN/NERST VOLT/UEGOVN B2_27
UREF VIRT GND B2_16
UO2S1A/TRIM RESISTOR/UEGORCO B2_13
UO2SIP PUMPING CURRENT/UEGOVIP B2_14
CE151 3TBD 0.5 14290 BN-VT
CE513 3TBD 0.5 14290 VT-GN
C1E108-A - 40
C1E108-A - 45
A1_40 GLOW PLUG DRIVE
A1_45 GLOW PLUG RLY MON
C1E108-A - 48
A1_48 PCM PWR SUSTAIN CTRL
TMAF ANALOG IN / TEMP B2_09
TMAF SIG GND B2_15
TMAF FREQ IN / AIRFLOW B2_24
C1E108-B - 09
C1E108-B - 15
C1E108-B - 24
RE320 3TBD 0.5 14290 BU
RE325 3TBD 0.5 14290 VT-BN
VE809 3TBD 0.75 14290 GN-OG
C1E824 - E
C1E824 - C
C1E824 - D
C1E824 - B
MAF IAT
GND
B+
MAG SIG OUT
CBB29D 3TBD 1.0 14290 WH-VT
CBB29E 3TBD 1.0 14290 WH-VT
CBB29F 3TBD 1.0 14290 WH-VT
C1E108-A - 17
C1E108-A - 05
C1E108-A - 29
A1_17 VBR (KL87)
A1_05 VBR (KL87)
A1_29 VBR (KL87)
ST ENABLE RLY LSD A1_25
ENS B2_31
4WD MODE SW SIG. GND B2_46
4WD DIFF LOCK SEL SW B2_43
4WD MODE SEL SW A1_43
RR DIFF LOCK RLY A1_15
4WD TC MTR RLY_MOT1 A1_52
4WD TC MTR RLY_MOT2 A1_41
AC CLUTCH RLY A1_49
AC PRESSURE SW A1_33
IGN RUN START (KL50) A1_47
WAKE UP A1_28
B2_28 FUEL VAP GLOW PLUG RLY
B2_26 FUEL VAP GLOW OUT MON
B2_02 FUEL VAPORIZER PUMP
CDC33D 3TBD 0.5 14290 VT-GN
C1E108-A - 39
A1_39 IGNITION RUN (KL15)
CDC35B 3TBD 0.5 14290 BU-WH
CDC30B 3TBD 0.5 14290 BU-GY
S1DC35E
C21 - 51
CDC33B 2TAD 0.35 14401 VT-GN
S2DC33
CDC33 2TAD 0.5 14401 VT-GN
S2DC35
CDC35D 2TAD 0.35 14401 BU-WH
CDC35A 3TBD 0.5 14290 BU-WH
C21 - 4
CDC35 2TAD 0.5 14401 BU-WH
C2DC32 - 5
C2DC32 - 7
C2DC32 - 1
C2DC32 - 4
305
50
15
75
57
30
INHIBIT
KEY IN
0.35
0.5

DGA Emissions

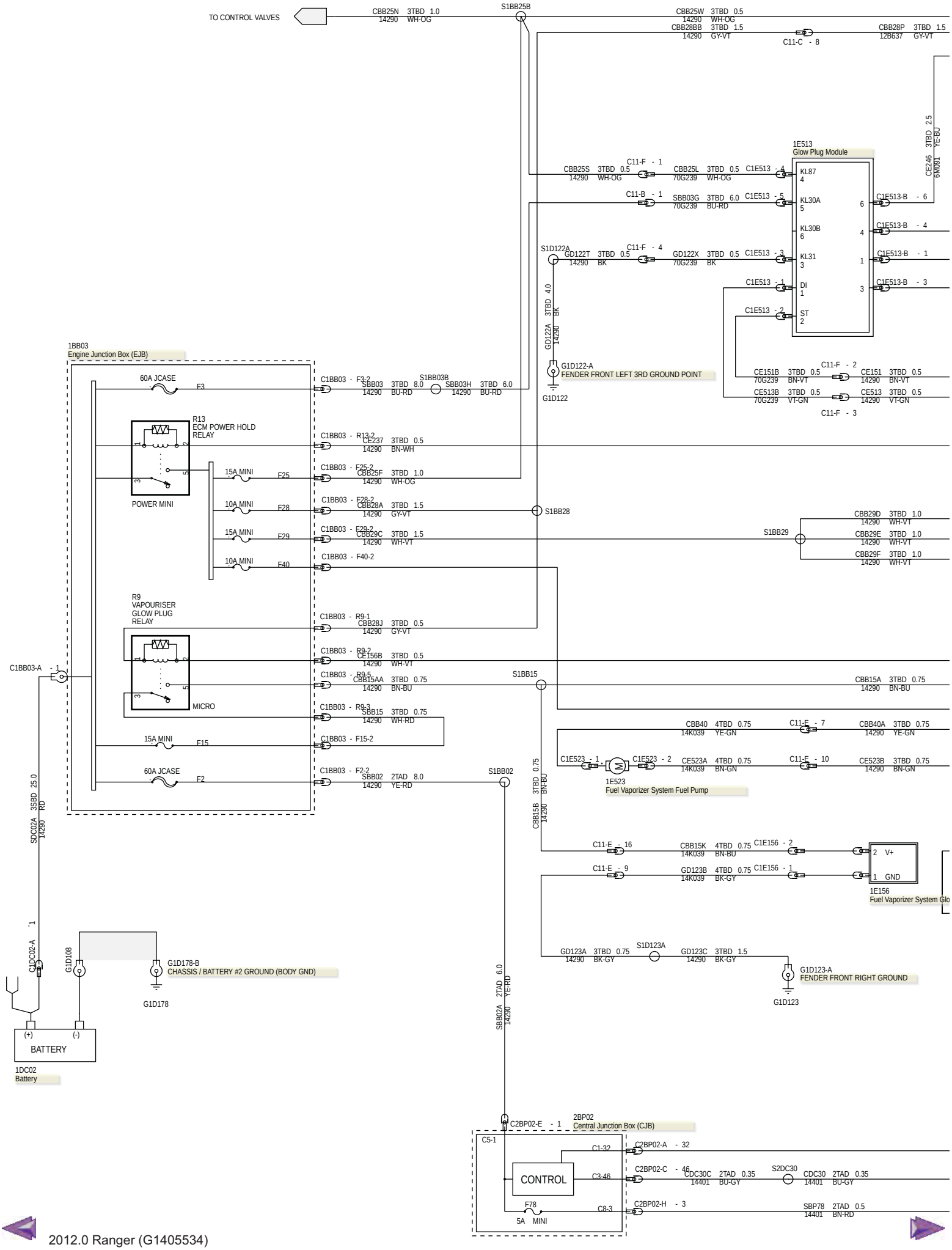


303-14B-7 Engine Control—2.2L Duratorq-TDCi (110kW/150PS) - Puma, Vehicles With: 6-Speed Automatic Transaxle - 6R80, Emission Requirements: DGA Emissions



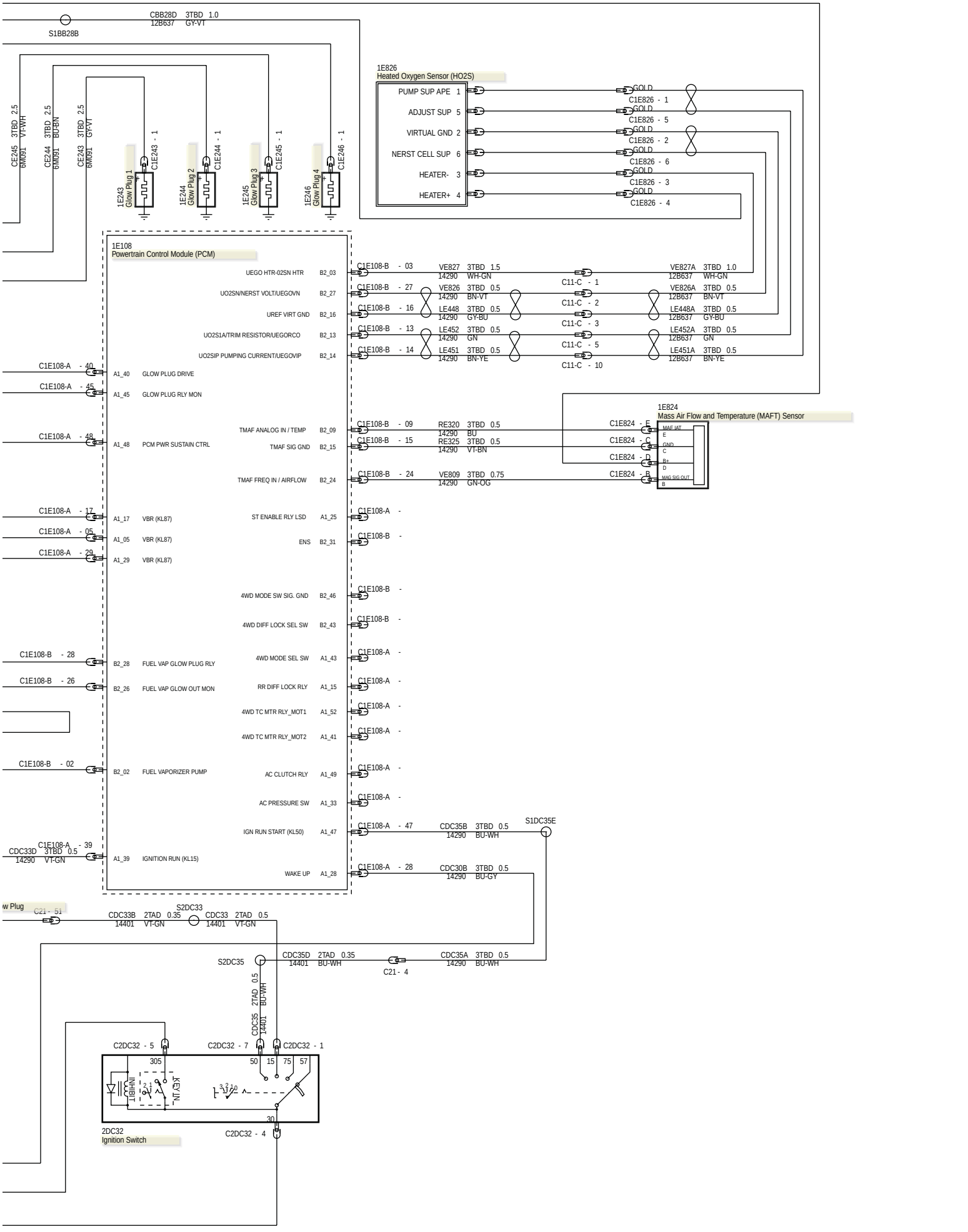
303-14B-8 Engine Control—2.2L Duratorq-TDCi (110kW/150PS) - Puma, Vehicles With: 6-Speed Automatic Transaxle - 6R80, Emission Requirements:

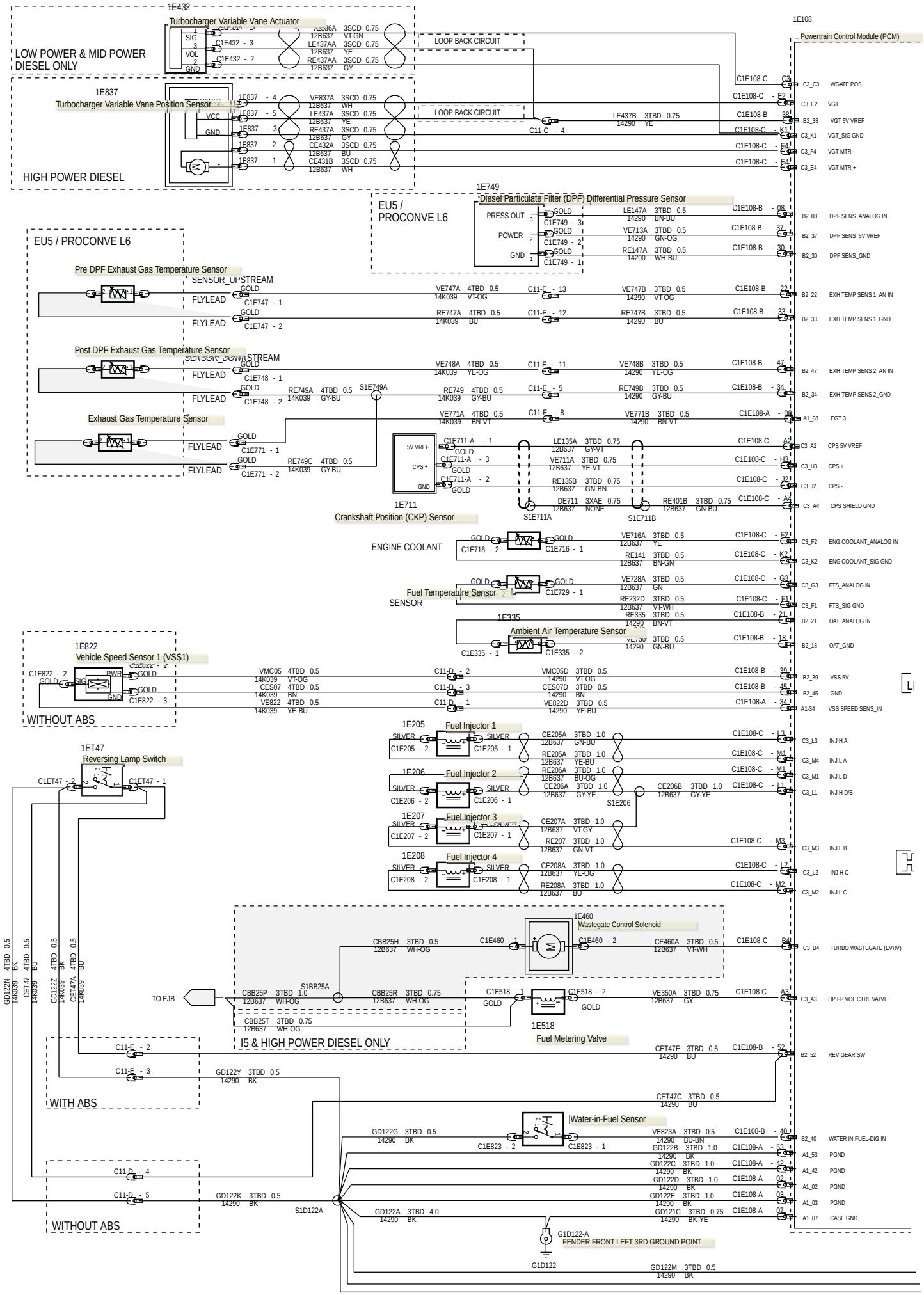
DGA Emissions

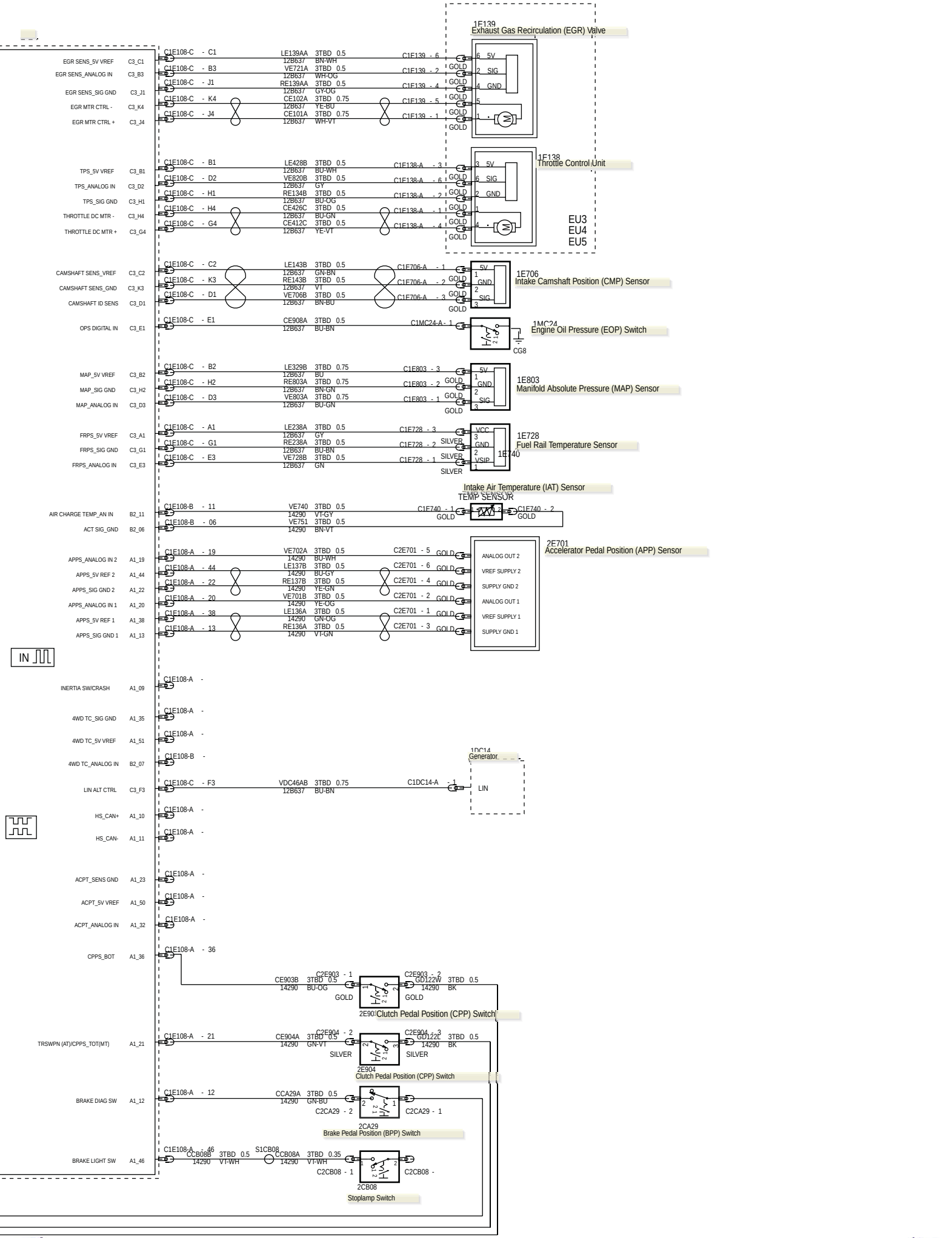


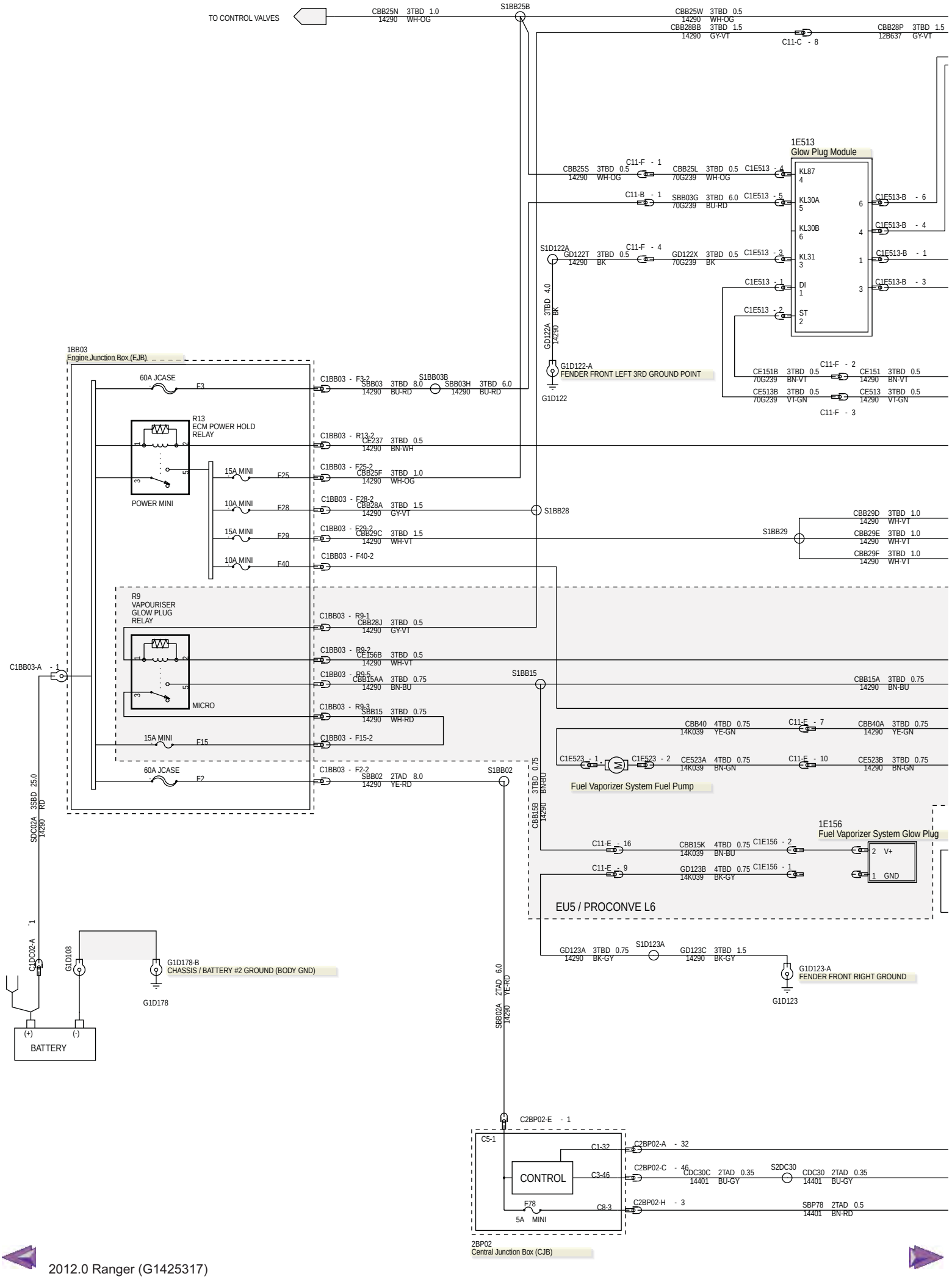
303-14B-9 Engine Control—2.2L Duratorq-TDCi (110kW/150PS) - Puma, Vehicles With: 6-Speed Automatic Transaxle - 6R80, Emission Requirements:

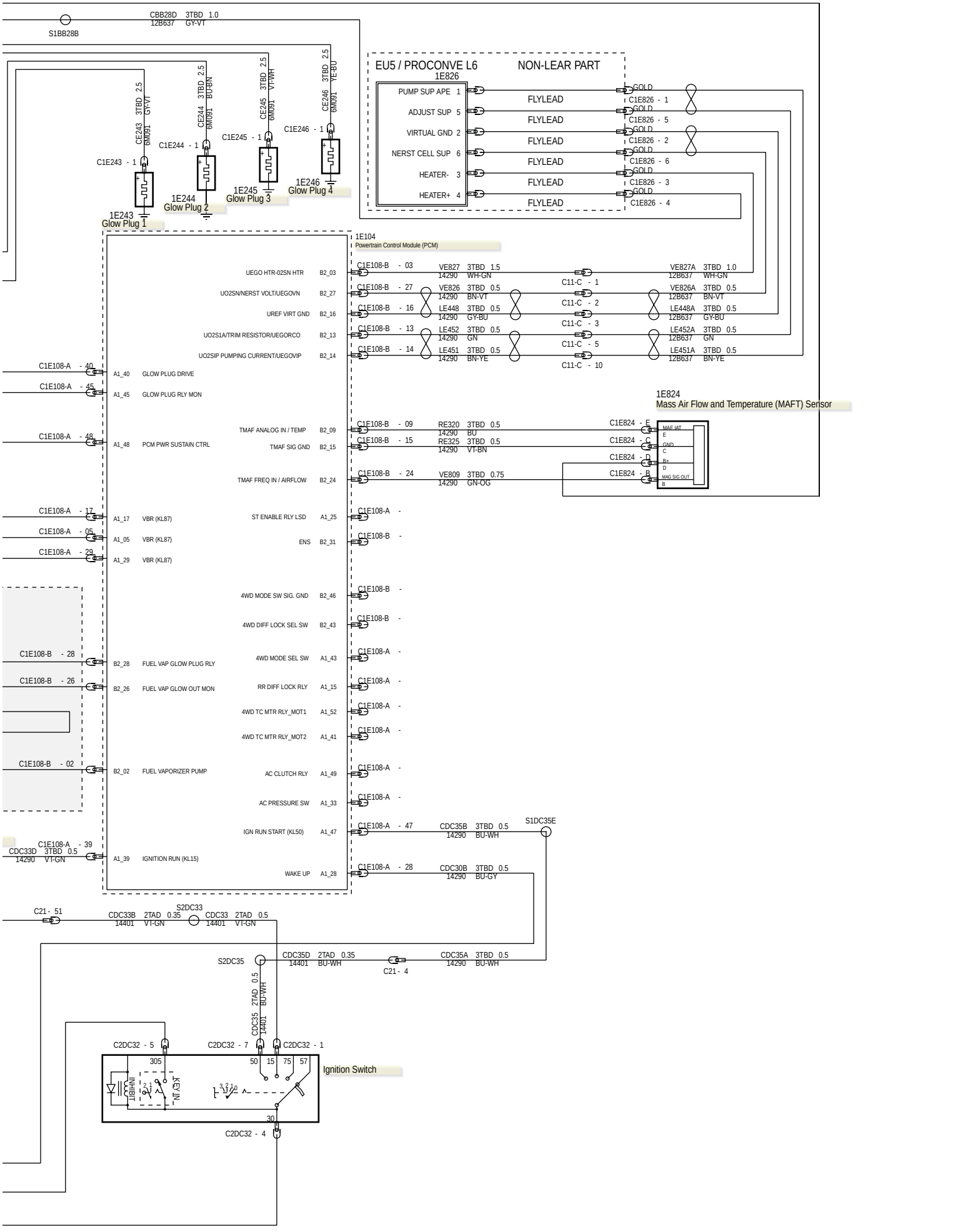
DGA Emissions



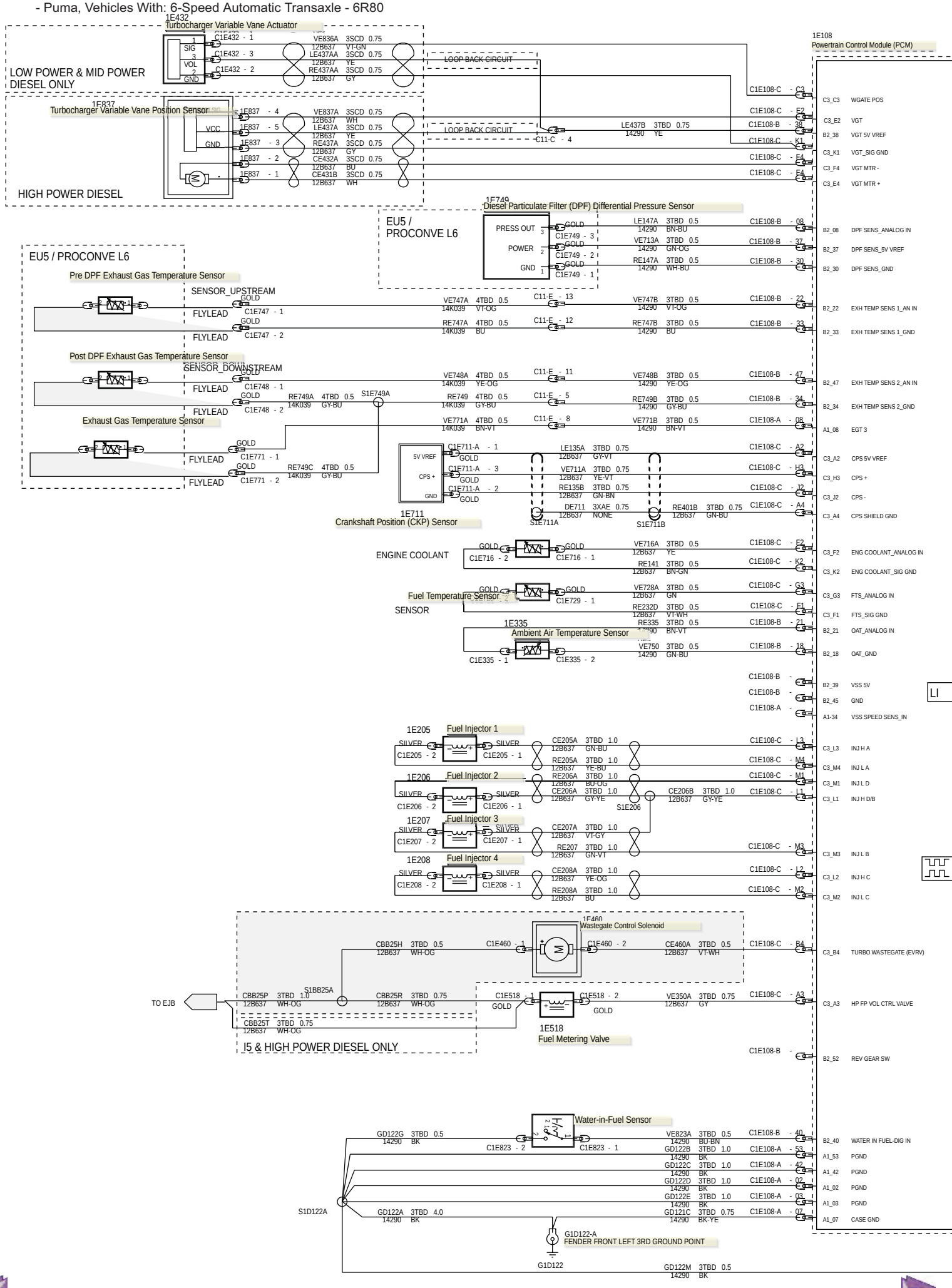

1E432
Turbocharger Variable Vane Actuator
LOW POWER & MID POWER DIESEL ONLY
1E837
Turbocharger Variable Vane Position Sensor
HIGH POWER DIESEL
LOOP BACK CIRCUIT
1E108
Powertrain Control Module (PCM)
1E749
Diesel Particulate Filter (DPF) Differential Pressure Sensor
EU5 / PROCONVE L6
Pre DPF Exhaust Gas Temperature Sensor
Post DPF Exhaust Gas Temperature Sensor
Exhaust Gas Temperature Sensor
1E711
Crankshaft Position (CKP) Sensor
ENGINE COOLANT
Fuel Temperature Sensor
1E335
Ambient Air Temperature Sensor
1E822
Vehicle Speed Sensor 1 (VSS1)
WITHOUT ABS
1E205
Fuel Injector 1
1E206
Fuel Injector 2
1E207
Fuel Injector 3
1E208
Fuel Injector 4
1ET47
Reversing Lamp Switch
1E460
Wastegate Control Solenoid
TO EJB
1E518
Fuel Metering Valve
I5 & HIGH POWER DIESEL ONLY
WITH ABS
WITHOUT ABS
Water-in-Fuel Sensor
G1D122
FENDER FRONT LEFT 3RD GROUND POINT


1F139
Exhaust Gas Recirculation (EGR) Valve
EGR SENS_5V VREF C3_C1
EGR SENS_ANALOG IN C3_B3
EGR SENS_SIG GND C3_J1
EGR MTR CTRL - C3_K4
EGR MTR CTRL + C3_J4
C1E108-C - C1 LE139AA 3TBD 0.5 12B637 BN-WH
C1E108-C - B3 VE721A 3TBD 0.5 12B637 WH-OG
C1E108-C - J1 RE139AA 3TBD 0.5 12B637 GY-OG
C1E108-C - K4 CE102A 3TBD 0.75 12B637 YE-BU
C1E108-C - J4 CE101A 3TBD 0.75 12B637 WH-VT
C1E139 - 6
C1E139 - 2
C1E139 - 4
C1E139 - 5
C1E139 - 1
6 5V
2 SIG
4 GND
5
1
GOLD
1F138
Throttle Control Unit
TPS_5V VREF C3_B1
TPS_ANALOG IN C3_D2
TPS_SIG GND C3_H1
THROTTLE DC MTR - C3_H4
THROTTLE DC MTR + C3_G4
C1E108-C - B1 LE428B 3TBD 0.5 12B637 BU-WH
C1E108-C - D2 VE820B 3TBD 0.5 12B637 GY
C1E108-C - H1 RE134B 3TBD 0.5 12B637 BU-OG
C1E108-C - H4 CE426C 3TBD 0.5 12B637 BU-GN
C1E108-C - G4 CE412C 3TBD 0.5 12B637 YE-VT
C1E138-A - 3
C1E138-A - 6
C1E138-A - 2
C1E138-A - 1
C1E138-A - 4
3 5V
6 SIG
2 GND
1
4
EU3
EU4
EU5
CAMSHAFT SENS_VREF C3_C2
CAMSHAFT SENS_GND C3_K3
CAMSHAFT ID SENS C3_D1
C1E108-C - C2 LE143B 3TBD 0.5 12B637 GN-BN
C1E108-C - K3 RE143B 3TBD 0.5 12B637 VT
C1E108-C - D1 VE706B 3TBD 0.5 12B637 BN-BU
C1E706-A - 1
C1E706-A - 2
C1E706-A - 3
1 5V
2 GND
3 SIG
1E706
Intake Camshaft Position (CMP) Sensor
OPS DIGITAL IN C3_E1
C1E108-C - E1 CE908A 3TBD 0.5 12B637 BU-BN
C1MC24-A - 1
1MC24
Engine Oil Pressure (EOP) Switch
CG8
MAP_5V VREF C3_B2
MAP_SIG GND C3_H2
MAP_ANALOG IN C3_D3
C1E108-C - B2 LE329B 3TBD 0.75 12B637 BU
C1E108-C - H2 RE803A 3TBD 0.75 12B637 BN-GN
C1E108-C - D3 VE803A 3TBD 0.75 12B637 BU-GN
C1E803 - 3
C1E803 - 2
C1E803 - 1
1 5V
2 GND
3 SIG
1E803
Manifold Absolute Pressure (MAP) Sensor
FRPS_5V VREF C3_A1
FRPS_SIG GND C3_G1
FRPS_ANALOG IN C3_E3
C1E108-C - A1 LE238A 3TBD 0.5 12B637 GY
C1E108-C - G1 RE238A 3TBD 0.5 12B637 BU-BN
C1E108-C - E3 VE728B 3TBD 0.5 12B637 GN
C1E728 - 3
C1E728 - 2
C1E728 - 1
3 VCC
2 GND
1 VSIP
1E740
1E728
Fuel Rail Temperature Sensor
Intake Air Temperature (IAT) Sensor
TEMP SENSOR
AIR CHARGE TEMP_AN IN B2_11
ACT SIG_GND B2_06
C1E108-B - 11 VE740 3TBD 0.5 14290 VT-GY
C1E108-B - 06 VE751 3TBD 0.5 14290 BN-VT
C1E740 - 1
C1E740 - 2
APPS_ANALOG IN 2 A1_19
APPS_5V REF 2 A1_44
APPS_SIG GND 2 A1_22
APPS_ANALOG IN 1 A1_20
APPS_5V REF 1 A1_38
APPS_SIG GND 1 A1_13
C1E108-A - 19 VE702A 3TBD 0.5 14290 BU-WH
C1E108-A - 44 LE137B 3TBD 0.5 14290 BU-GY
C1E108-A - 22 RE137B 3TBD 0.5 14290 YE-GN
C1E108-A - 20 VE701B 3TBD 0.5 14290 YE-OG
C1E108-A - 38 LE136A 3TBD 0.5 14290 GN-OG
C1E108-A - 13 RE136A 3TBD 0.5 14290 VT-GN
C2E701 - 5
C2E701 - 6
C2E701 - 4
C2E701 - 2
C2E701 - 1
C2E701 - 3
ANALOG OUT 2
VREF SUPPLY 2
SUPPLY GND 2
ANALOG OUT 1
VREF SUPPLY 1
SUPPLY GND 1
2E701
Accelerator Pedal Position (APP) Sensor
IN
INERTIA SW/CRASH A1_09
4WD TC_SIG GND A1_35
4WD TC_5V VREF A1_51
4WD TC_ANALOG IN B2_07
LIN ALT CTRL C3_F3
C1E108-A -
C1E108-A -
C1E108-A -
C1E108-B -
C1E108-C - F3 VDC46AB 3TBD 0.75 12B637 BU-BN
C1DC14-A - 1
1DC14
Generator
LIN
HS_CAN+ A1_10
HS_CAN- A1_11
C1E108-A -
C1E108-A -
ACPT_SENS GND A1_23
ACPT_5V VREF A1_50
ACPT_ANALOG IN A1_32
C1E108-A -
C1E108-A -
C1E108-A -
CPPS_BOT A1_36
C1E108-A - 36
C2E903 - 1
CE903B 3TBD 0.5 14290 BU-OG
C2E903 - 2
GD122W 3TBD 0.5 14290 BK
GOLD
GOLD
2E903
Clutch Pedal Position (CPP) Switch
TRSWPN (AT)/CPPS_TOT(MT) A1_21
C1E108-A - 21
C2E904 - 2
CE904A 3TBD 0.5 14290 GN-VT
C2E904 - 3
GD122E 3TBD 0.5 14290 BK
SILVER
SILVER
2E904
Clutch Pedal Position (CPP) Switch
BRAKE DIAG SW A1_12
C1E108-A - 12
CCA29A 3TBD 0.5 14290 GN-BU
C2CA29 - 2
C2CA29 - 1
2CA29
Brake Pedal Position (BPP) Switch
BRAKE LIGHT SW A1_46
C1E108-A - 46
CCB08B 3TBD 0.5 14290 VT-WH
S1CB08
CCB08A 3TBD 0.35 14290 VT-WH
C2CB08 - 1
C2CB08 -
2CB08
Stoplamp Switch

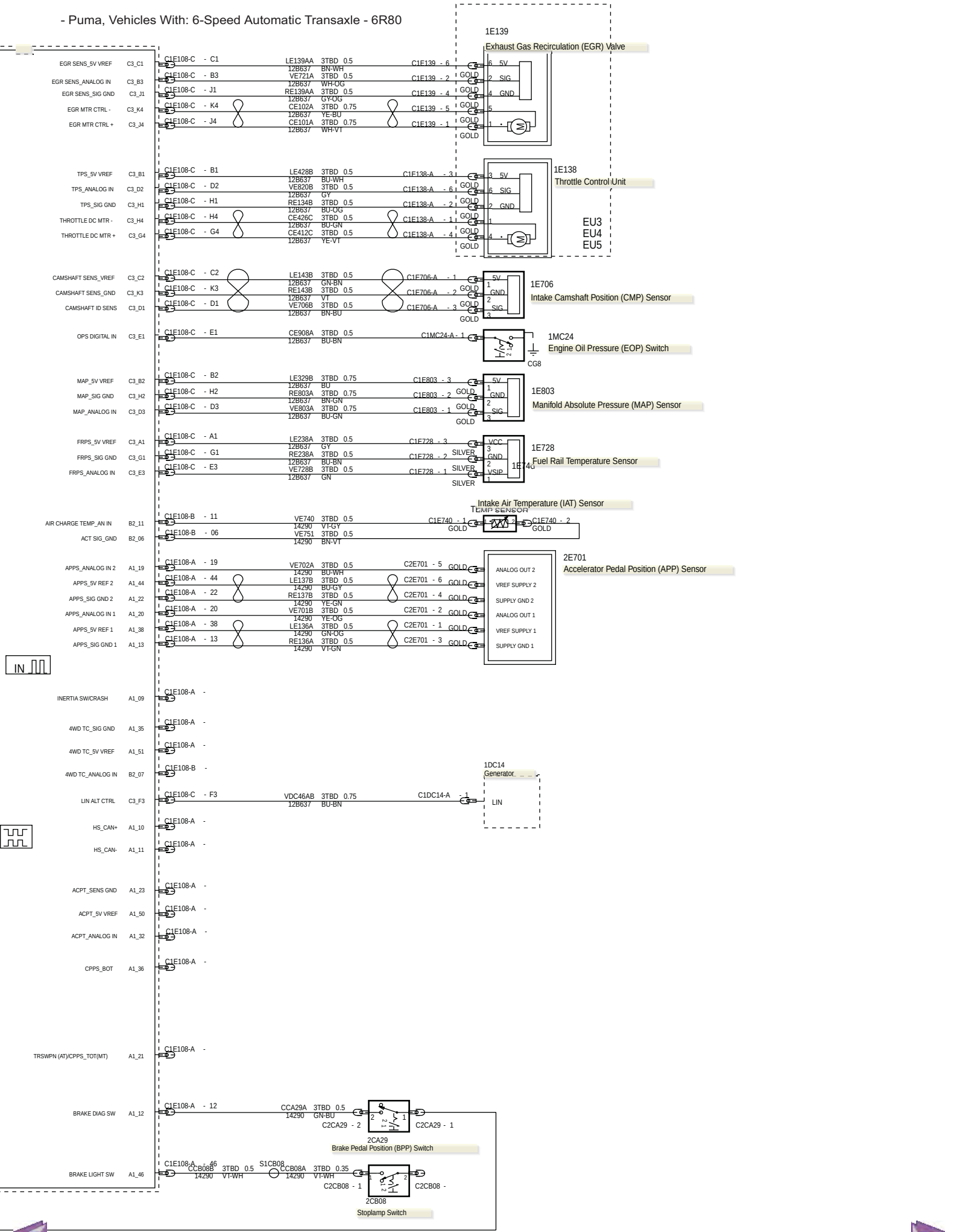

TO CONTROL VALVES
CBB25N 3TBD 1.0 14290 WH-OG
S1BB25B
CBB25W 3TBD 0.5 14290 WH-OG
CBB28BB 3TBD 1.5 14290 GY-VT
C11-C - 8
CBB28P 3TBD 1.5 12B637 GY-VT
1E513
Glow Plug Module
C11-F - 1
CBB25S 3TBD 0.5 14290 WH-OG
CBB25L 3TBD 0.5 70G239 WH-OG
C1E513 - 4
KL87 4
C11-B - 1
SBB03G 3TBD 6.0 70G239 BU-RD
C1E513 - 5
KL30A 5
C1E513-B - 6
KL30B 6
C1E513-B - 4
S1D122A
GD122T 3TBD 0.5 14290 BK
C11-F - 4
GD122X 3TBD 0.5 70G239 BK
C1E513 - 3
KL31 3
C1E513-B - 1
C1E513 - 1
DI 1
C1E513-B - 3
C1E513 - 2
ST 2
GD122A 3TBD 4.0 14290 BK
G1D122-A
FENDER FRONT LEFT 3RD GROUND POINT
G1D122
C11-F - 2
CE151B 3TBD 0.5 70G239 BN-VT
CE151 3TBD 0.5 14290 BN-VT
CE513B 3TBD 0.5 70G239 VT-GN
CE513 3TBD 0.5 14290 VT-GN
C11-F - 3
1BB03
Engine Junction Box (EJB)
60A JCASE
F3
C1BB03 - F3-2
SBB03 3TBD 8.0 14290 BU-RD
S1BB03B
SBB03H 3TBD 6.0 14290 BU-RD
R13
ECM POWER HOLD RELAY
POWER MINI
C1BB03 - R13-2
CE237 3TBD 0.5 14290 BN-WH
15A MINI
F25
C1BB03 - F25-2
CBB25F 3TBD 1.0 14290 WH-OG
10A MINI
F28
C1BB03 - F28-2
CBB28A 3TBD 1.5 14290 GY-VT
S1BB28
15A MINI
F29
C1BB03 - F29-2
CBB29C 3TBD 1.5 14290 WH-VT
S1BB29
CBB29D 3TBD 1.0 14290 WH-VT
CBB29E 3TBD 1.0 14290 WH-VT
CBB29F 3TBD 1.0 14290 WH-VT
10A MINI
F40
C1BB03 - F40-2
R9
VAPOURISER GLOW PLUG RELAY
MICRO
C1BB03 - R9-1
CBB28J 3TBD 0.5 14290 GY-VT
C1BB03 - R9-2
CE156B 3TBD 0.5 14290 WH-VT
C1BB03 - R9-5
CBB15AA 3TBD 0.75 14290 BN-BU
S1BB15
CBB15A 3TBD 0.75 14290 BN-BU
C1BB03 - R9-3
SBB15 3TBD 0.75 14290 WH-RD
15A MINI
F15
C1BB03 - F15-2
C1BB03-A - 1
CBB40 4TBD 0.75 14K039 YE-GN
C11-E - 7
CBB40A 3TBD 0.75 14290 YE-GN
C1E523 - 1
C1E523 - 2
CE523A 4TBD 0.75 14K039 BN-GN
C11-E - 10
CE523B 3TBD 0.75 14290 BN-GN
Fuel Vaporizer System Fuel Pump
60A JCASE
F2
C1BB03 - F2-2
SBB02 2TAD 8.0 14290 YE-RD
S1BB02
CBB15B 3TBD 0.75 14290 BN-BU
1E156
Fuel Vaporizer System Glow Plug
C11-E - 16
CBB15K 4TBD 0.75 14K039 BN-BU
C1E156 - 2
2 V+
C11-E - 9
GD123B 4TBD 0.75 14K039 BK-GY
C1E156 - 1
1 GND
EU5 / PROCONVE L6
SDC02A 3SBD 25.0 14290 RD
C1DC02-A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
GD123A 3TBD 0.75 14290 BK-GY
S1D123A
GD123C 3TBD 1.5 14290 BK-GY
G1D123-A
FENDER FRONT RIGHT GROUND
G1D123
SBB02A 2TAD 6.0 14290 YE-RD
(+)
(-)
BATTERY
C2BP02-E - 1
C5-1
C1-32
C2BP02-A - 32
CONTROL
C3-46
C2BP02-C - 46
CDC30C 2TAD 0.35 14401 BU-GY
S2DC30
CDC30 2TAD 0.35 14401 BU-GY
F78
5A MINI
C8-3
C2BP02-H - 3
SBP78 2TAD 0.5 14401 BN-RD
2BP02
Central Junction Box (CJB)

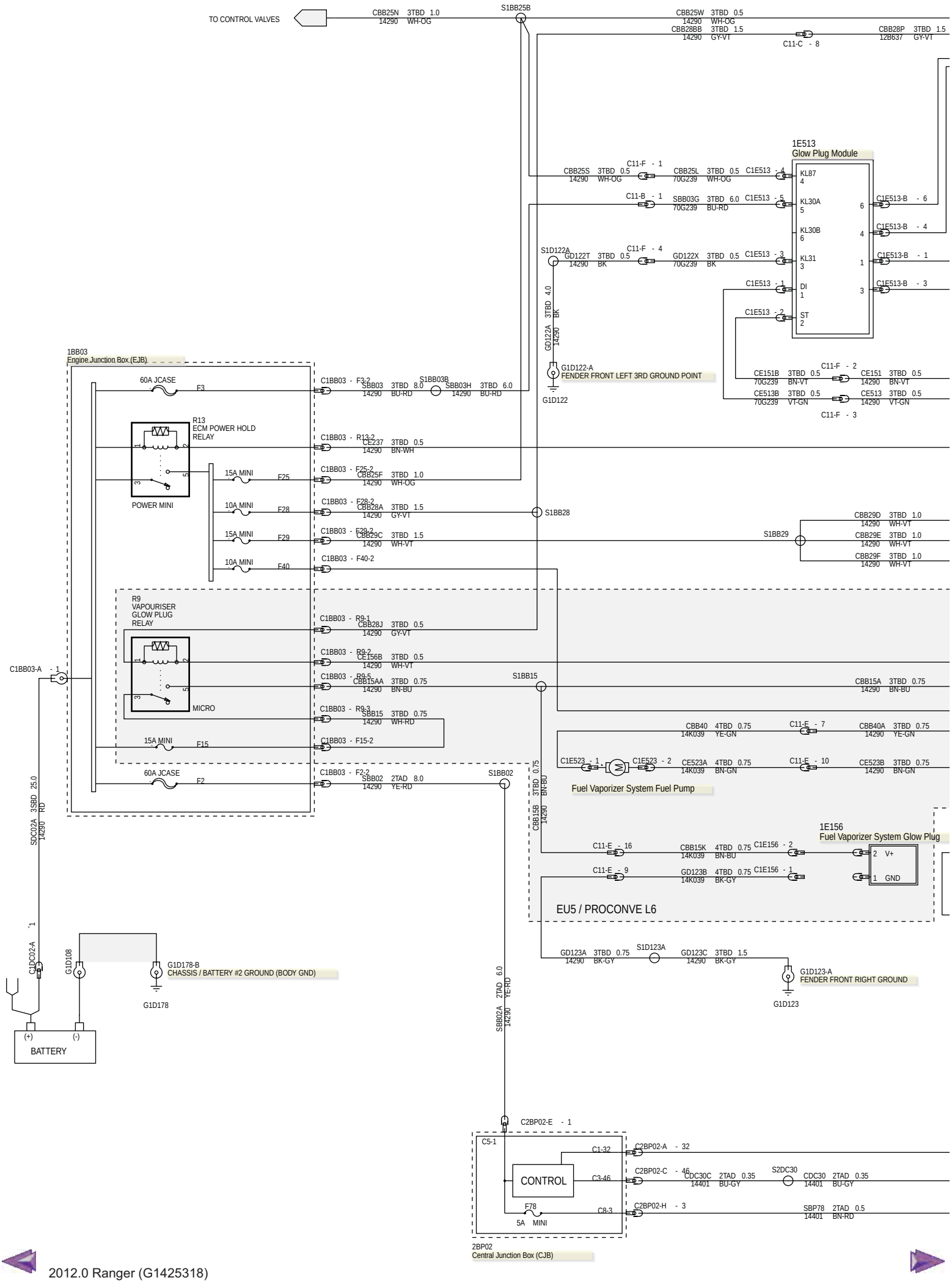

S1BB28B
CBB28D 3TBD 1.0
12B637 GY-VT
EU5 / PROCONVE L6
NON-LEAR PART
1E826
PUMP SUP APE 1
ADJUST SUP 5
VIRTUAL GND 2
NERST CELL SUP 6
HEATER- 3
HEATER+ 4
FLYLEAD
GOLD
C1E826 - 1
C1E826 - 5
C1E826 - 2
C1E826 - 6
C1E826 - 3
C1E826 - 4
CE243 3TBD 2.5 6M091 GY-VT
CE244 3TBD 2.5 6M091 BU-BN
CE245 3TBD 2.5 6M091 VT-WH
CE246 3TBD 2.5 6M091 YE-BU
C1E243 - 1
C1E244 - 1
C1E245 - 1
C1E246 - 1
1E243 Glow Plug 1
1E244 Glow Plug 2
1E245 Glow Plug 3
1E246 Glow Plug 4
1E104
Powertrain Control Module (PCM)
UEGO HTR-02SN HTR B2_03
UO2SN/NERST VOLT/UEGOVN B2_27
UREF VIRT GND B2_16
UO2S1A/TRIM RESISTOR/UEGORCO B2_13
UO2SIP PUMPING CURRENT/UEGOVIP B2_14
C1E108-B - 03
C1E108-B - 27
C1E108-B - 16
C1E108-B - 13
C1E108-B - 14
VE827 3TBD 1.5 14290 WH-GN
VE826 3TBD 0.5 14290 BN-VT
LE448 3TBD 0.5 14290 GY-BU
LE452 3TBD 0.5 14290 GN
LE451 3TBD 0.5 14290 BN-YE
C11-C - 1
C11-C - 2
C11-C - 3
C11-C - 5
C11-C - 10
VE827A 3TBD 1.0 12B637 WH-GN
VE826A 3TBD 0.5 12B637 BN-VT
LE448A 3TBD 0.5 12B637 GY-BU
LE452A 3TBD 0.5 12B637 GN
LE451A 3TBD 0.5 12B637 BN-YE
1E824
Mass Air Flow and Temperature (MAFT) Sensor
C1E824 - E
C1E824 - C
C1E824 - D
C1E824 - B
MAF IAT
E
GND
C
B+
D
MAG SIG OUT
B
C1E108-A - 40
C1E108-A - 45
C1E108-A - 48
C1E108-A - 17
C1E108-A - 05
C1E108-A - 29
A1_40 GLOW PLUG DRIVE
A1_45 GLOW PLUG RLY MON
A1_48 PCM PWR SUSTAIN CTRL
A1_17 VBR (KL87)
A1_05 VBR (KL87)
A1_29 VBR (KL87)
TMAF ANALOG IN / TEMP B2_09
TMAF SIG GND B2_15
TMAF FREQ IN / AIRFLOW B2_24
RE320 3TBD 0.5 14290 BU
RE325 3TBD 0.5 14290 VT-BN
VE809 3TBD 0.75 14290 GN-OG
ST ENABLE RLY LSD A1_25
ENS B2_31
4WD MODE SW SIG. GND B2_46
4WD DIFF LOCK SEL SW B2_43
4WD MODE SEL SW A1_43
RR DIFF LOCK RLY A1_15
4WD TC MTR RLY_MOT1 A1_52
4WD TC MTR RLY_MOT2 A1_41
AC CLUTCH RLY A1_49
AC PRESSURE SW A1_33
IGN RUN START (KL50) A1_47
WAKE UP A1_28
C1E108-B - 28
C1E108-B - 26
C1E108-B - 02
C1E108-A - 39
B2_28 FUEL VAP GLOW PLUG RLY
B2_26 FUEL VAP GLOW OUT MON
B2_02 FUEL VAPORIZER PUMP
CDC33D 3TBD 0.5 14290 VT-GN
A1_39 IGNITION RUN (KL15)
C1E108-A - 47
C1E108-A - 28
CDC35B 3TBD 0.5 14290 BU-WH
CDC30B 3TBD 0.5 14290 BU-GY
S1DC35E
C21 - 51
CDC33B 2TAD 0.35 14401 VT-GN
S2DC33
CDC33 2TAD 0.5 14401 VT-GN
S2DC35
CDC35D 2TAD 0.35 14401 BU-WH
C21 - 4
CDC35A 3TBD 0.5 14290 BU-WH
CDC35 2TAD 0.5 14401 BU-WH
C2DC32 - 5
C2DC32 - 7
C2DC32 - 1
C2DC32 - 4
305
50
15
75
57
30
INHIBIT
KEY IN
Ignition Switch

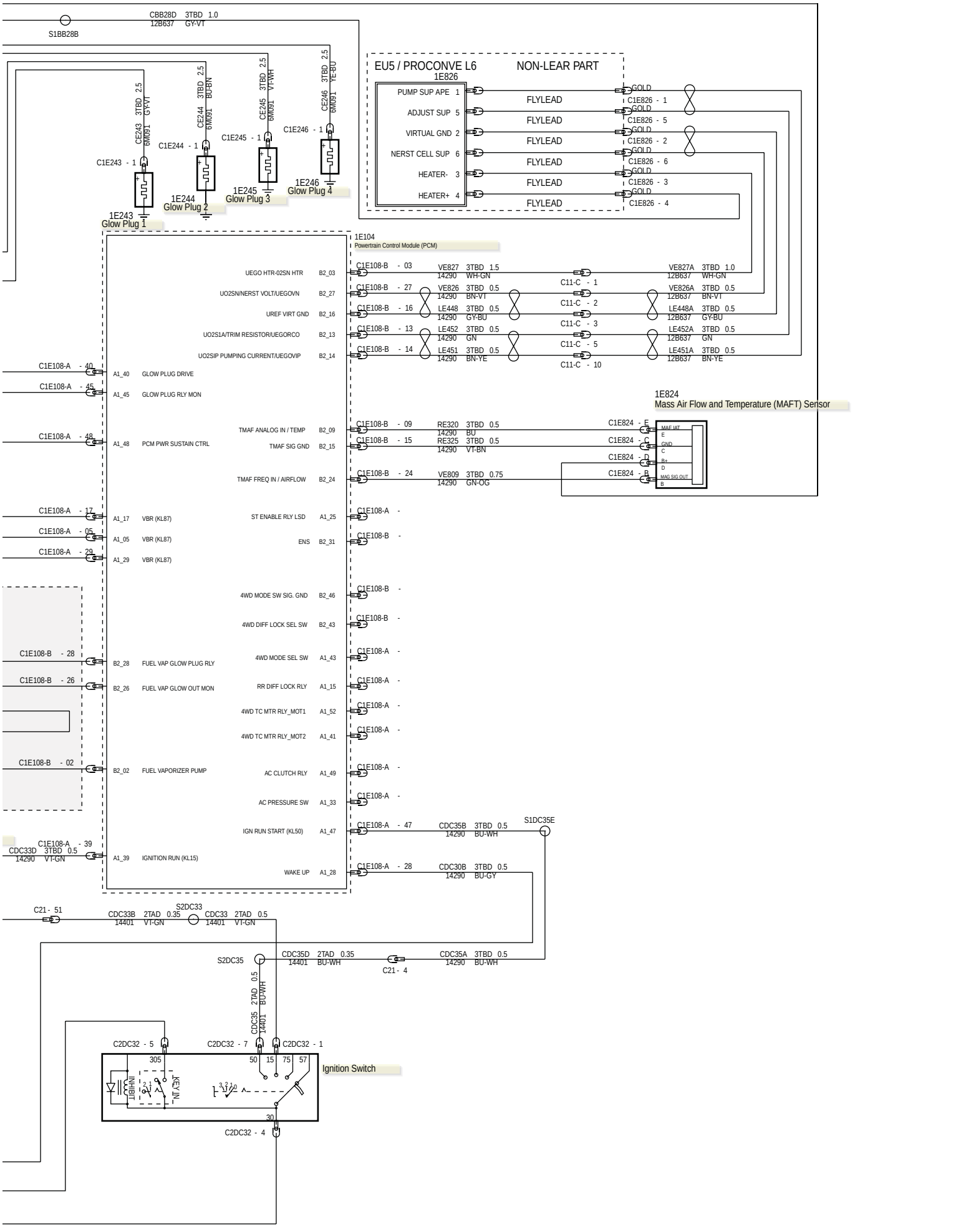
- Puma, Vehicles With: 6-Speed Automatic Transaxle - 6R80

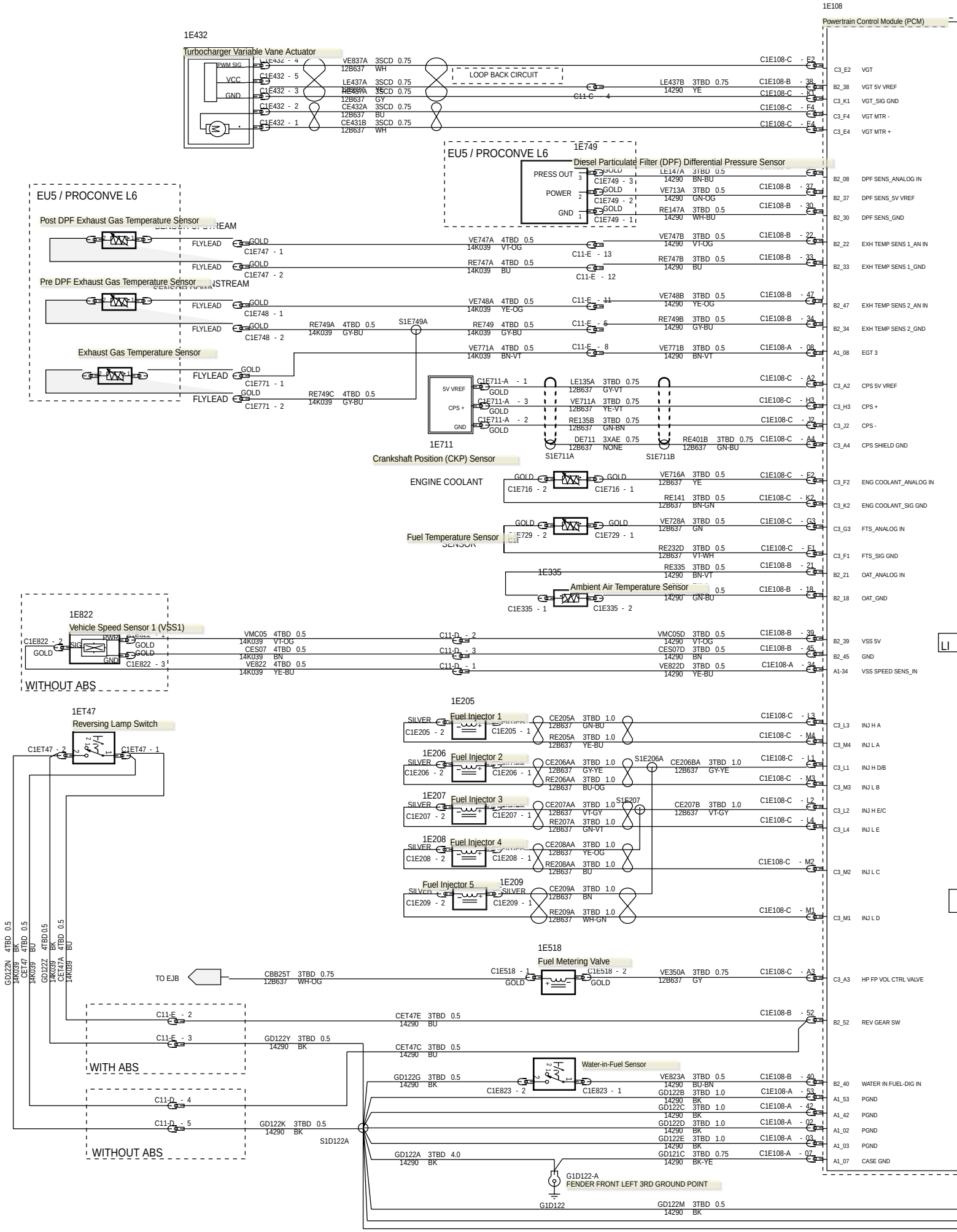


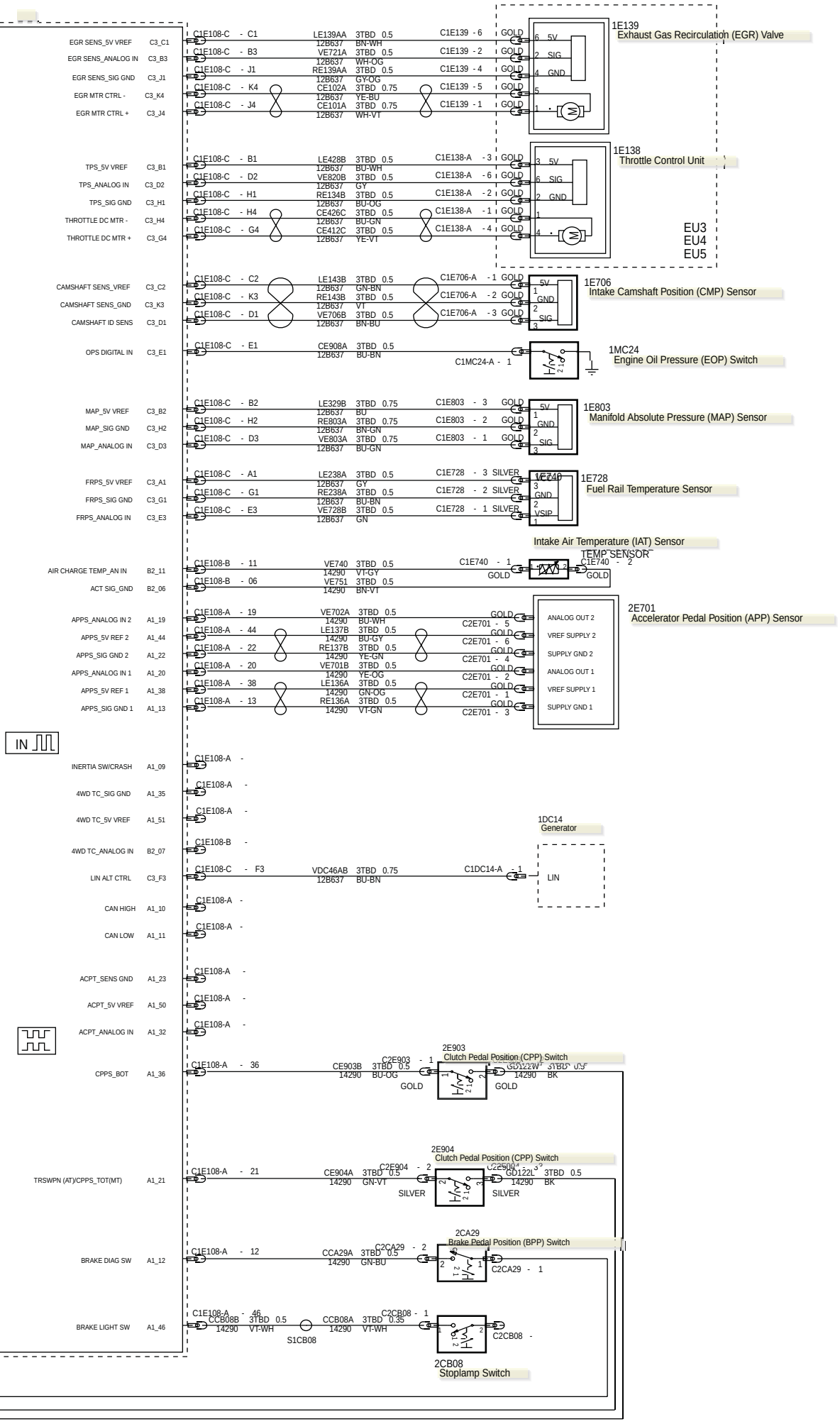
- Puma, Vehicles With: 6-Speed Automatic Transaxle - 6R80

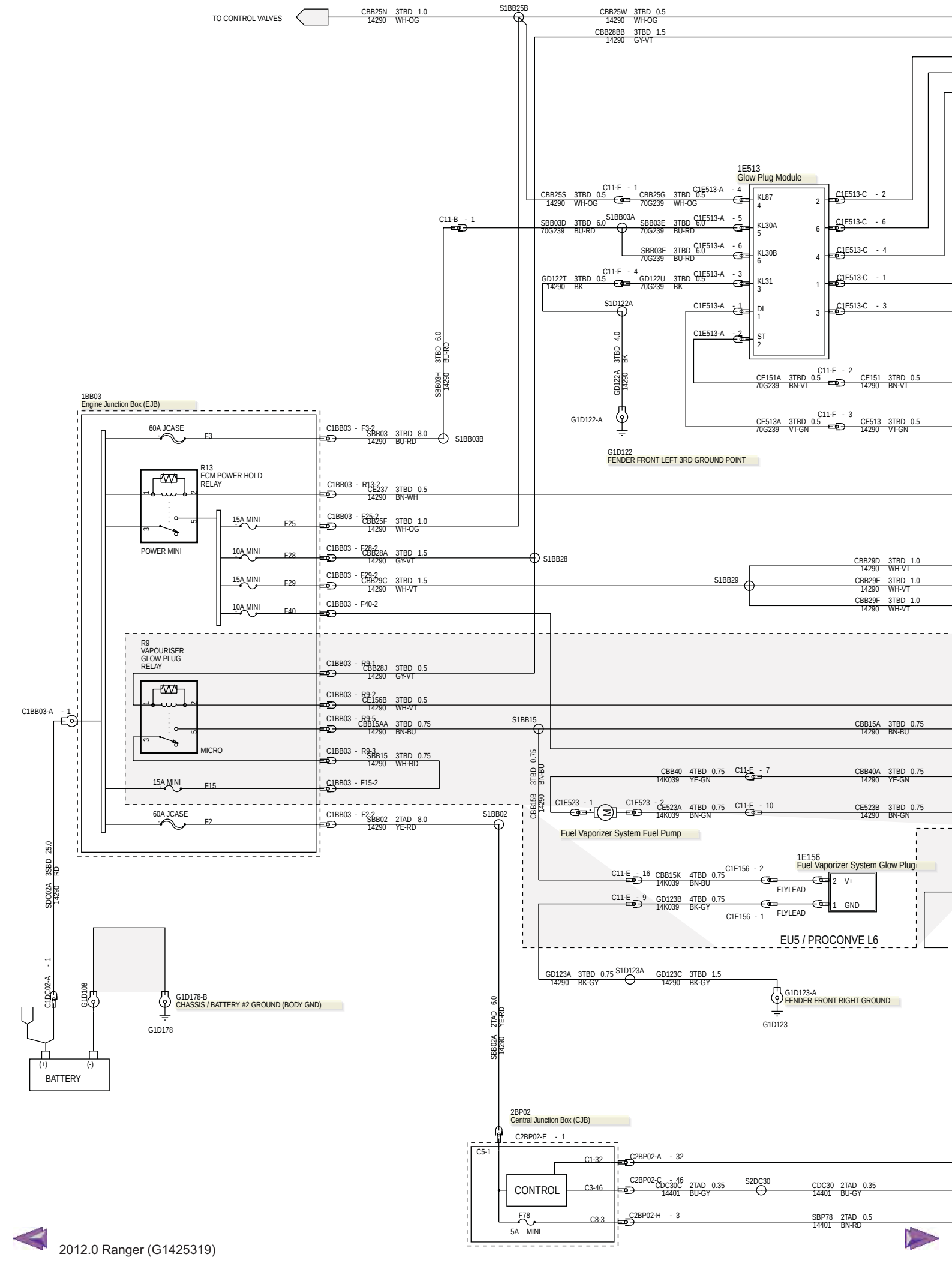


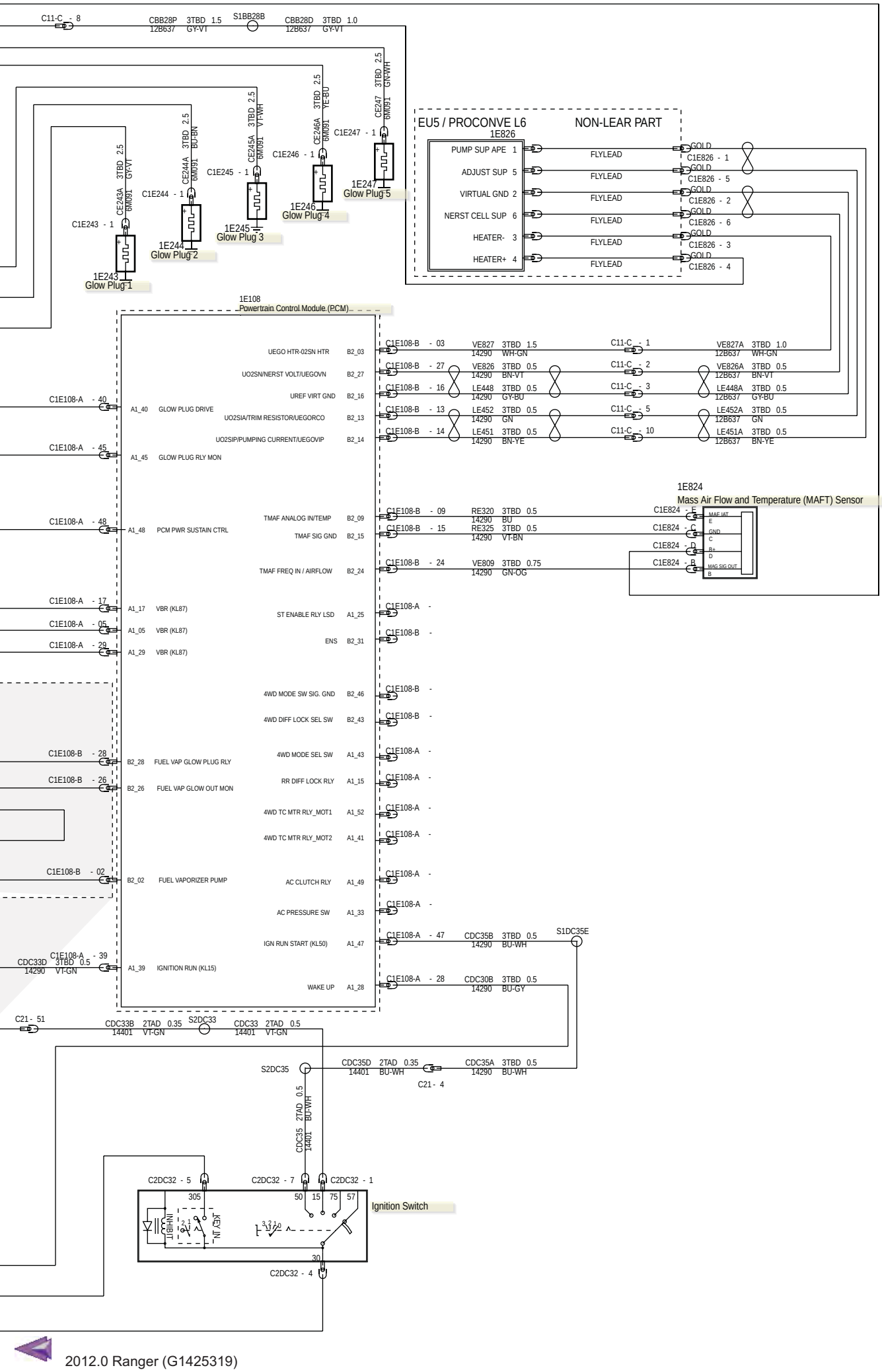

TO CONTROL VALVES
CBB25N 3TBD 1.0 14290 WH-OG
S1BB25B
CBB25W 3TBD 0.5 14290 WH-OG
CBB28BB 3TBD 1.5 14290 GY-VT
C11-C - 8
CBB28P 3TBD 1.5 12B637 GY-VT
1E513
Glow Plug Module
C11-F - 1
CBB25S 3TBD 0.5 14290 WH-OG
CBB25L 3TBD 0.5 70G239 WH-OG
C1E513 - 4
KL87 4
C11-B - 1
SBB03G 3TBD 6.0 70G239 BU-RD
C1E513 - 5
KL30A 5
KL30B 6
KL31 3
DI 1
ST 2
C1E513-B - 6
C1E513-B - 4
C1E513-B - 1
C1E513-B - 3
S1D122A
GD122T 3TBD 0.5 14290 BK
C11-F - 4
GD122X 3TBD 0.5 70G239 BK
C1E513 - 3
GD122A 3TBD 4.0 14290 BK
G1D122-A
FENDER FRONT LEFT 3RD GROUND POINT
G1D122
C1E513 - 1
C1E513 - 2
CE151B 3TBD 0.5 70G239 BN-VT
C11-F - 2
CE151 3TBD 0.5 14290 BN-VT
CE513B 3TBD 0.5 70G239 VT-GN
CE513 3TBD 0.5 14290 VT-GN
C11-F - 3
1BB03
Engine Junction Box (EJB)
60A JCASE
F3
C1BB03 - F3-2
SBB03 3TBD 8.0 14290 BU-RD
S1BB03B
SBB03H 3TBD 6.0 14290 BU-RD
R13
ECM POWER HOLD RELAY
POWER MINI
C1BB03 - R13-2
CE237 3TBD 0.5 14290 BN-WH
15A MINI
F25
C1BB03 - F25-2
CBB25F 3TBD 1.0 14290 WH-OG
10A MINI
F28
C1BB03 - F28-2
CBB28A 3TBD 1.5 14290 GY-VT
S1BB28
15A MINI
F29
C1BB03 - F29-2
CBB29C 3TBD 1.5 14290 WH-VT
10A MINI
F40
C1BB03 - F40-2
S1BB29
CBB29D 3TBD 1.0 14290 WH-VT
CBB29E 3TBD 1.0 14290 WH-VT
CBB29F 3TBD 1.0 14290 WH-VT
R9
VAPOURISER GLOW PLUG RELAY
MICRO
C1BB03 - R9-1
CBB28J 3TBD 0.5 14290 GY-VT
C1BB03 - R9-2
CE156B 3TBD 0.5 14290 WH-VT
C1BB03 - R9-5
CBB15AA 3TBD 0.75 14290 BN-BU
S1BB15
CBB15A 3TBD 0.75 14290 BN-BU
C1BB03 - R9-3
SBB15 3TBD 0.75 14290 WH-RD
15A MINI
F15
C1BB03 - F15-2
CBB40 4TBD 0.75 14K039 YE-GN
C11-E - 7
CBB40A 3TBD 0.75 14290 YE-GN
C1E523 - 1
C1E523 - 2
CE523A 4TBD 0.75 14K039 BN-GN
C11-E - 10
CE523B 3TBD 0.75 14290 BN-GN
Fuel Vaporizer System Fuel Pump
C1BB03-A - 1
60A JCASE
F2
C1BB03 - F2-2
SBB02 2TAD 8.0 14290 YE-RD
S1BB02
CBB15B 3TBD 0.75 14290 BN-BU
1E156
Fuel Vaporizer System Glow Plug
C11-E - 16
CBB15K 4TBD 0.75 14K039 BN-BU
C1E156 - 2
2 V+
C11-E - 9
GD123B 4TBD 0.75 14K039 BK-GY
C1E156 - 1
1 GND
EU5 / PROCONVE L6
SDC02A 3SBD 25.0 14290 RD
C1DC02A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
GD123A 3TBD 0.75 14290 BK-GY
S1D123A
GD123C 3TBD 1.5 14290 BK-GY
G1D123-A
FENDER FRONT RIGHT GROUND
G1D123
SBB02A 2TAD 6.0 14290 YE-RD
(+)
(-)
BATTERY
C2BP02-E - 1
C5-1
CONTROL
C1-32
C3-46
C8-3
C2BP02-A - 32
C2BP02-C - 46
C2BP02-H - 3
CDC30C 2TAD 0.35 14401 BU-GY
S2DC30
CDC30 2TAD 0.35 14401 BU-GY
F78
5A MINI
SBP78 2TAD 0.5 14401 BN-RD
2BP02
Central Junction Box (CJB)

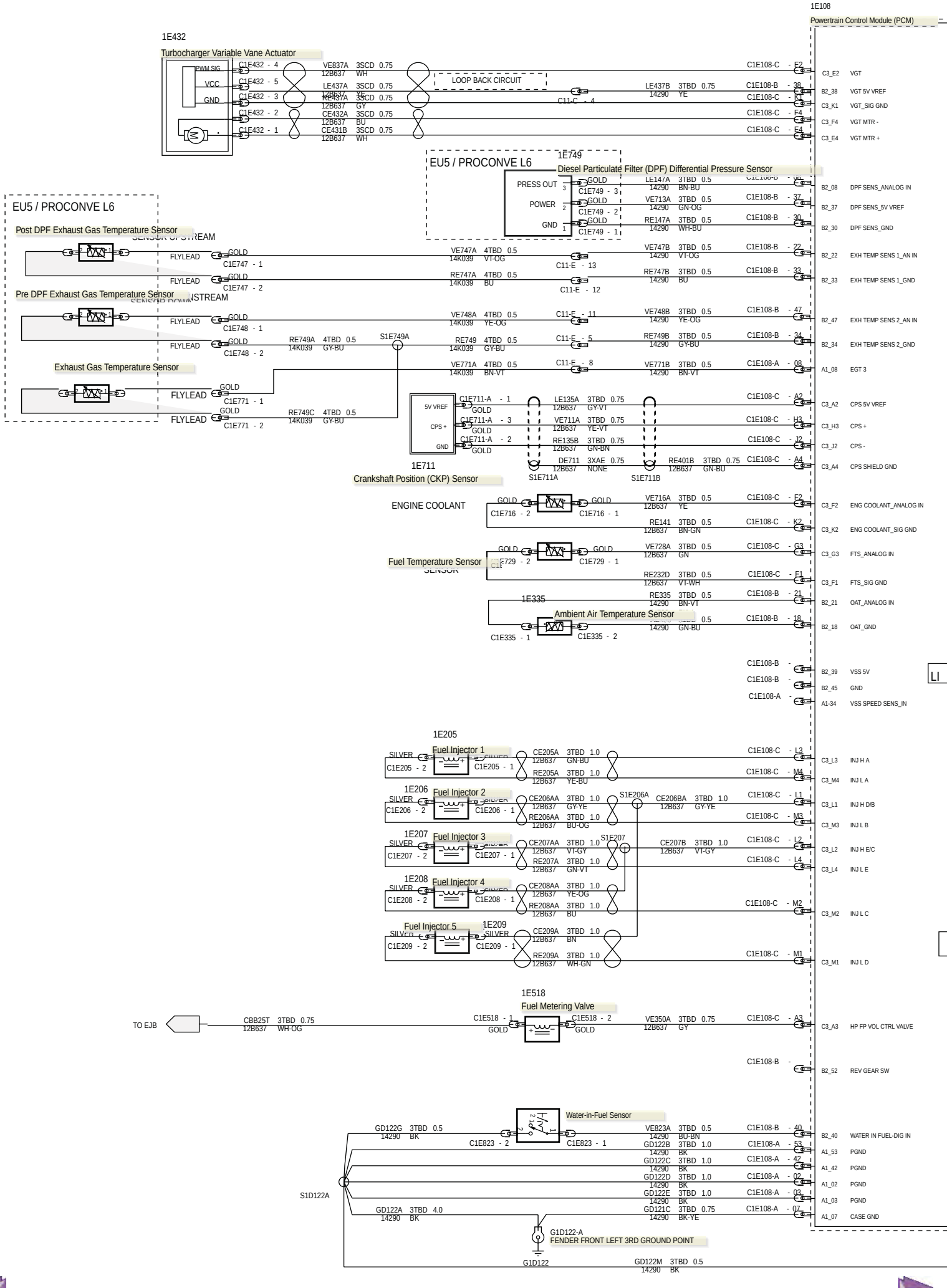

EU5 / PROCONVE L6
NON-LEAR PART
1E826
PUMP SUP APE 1
ADJUST SUP 5
VIRTUAL GND 2
NERST CELL SUP 6
HEATER- 3
HEATER+ 4
FLYLEAD
GOLD
1E243 Glow Plug 1
1E244 Glow Plug 2
1E245 Glow Plug 3
1E246 Glow Plug 4
1E104
Powertrain Control Module (PCM)
UEGO HTR-02SN HTR
UO2SN/NERST VOLT/UEGOVN
UREF VIRT GND
UO2S1A/TRIM RESISTOR/UEGORCO
UO2SIP PUMPING CURRENT/UEGOVIP
GLOW PLUG DRIVE
GLOW PLUG RLY MON
TMAF ANALOG IN / TEMP
TMAF SIG GND
PCM PWR SUSTAIN CTRL
TMAF FREQ IN / AIRFLOW
ST ENABLE RLY LSD
ENS
VBR (KL87)
4WD MODE SW SIG. GND
4WD DIFF LOCK SEL SW
4WD MODE SEL SW
RR DIFF LOCK RLY
4WD TC MTR RLY_MOT1
4WD TC MTR RLY_MOT2
FUEL VAP GLOW PLUG RLY
FUEL VAP GLOW OUT MON
FUEL VAPORIZER PUMP
AC CLUTCH RLY
AC PRESSURE SW
IGN RUN START (KL50)
IGNITION RUN (KL15)
WAKE UP
1E824
Mass Air Flow and Temperature (MAFT) Sensor
MAF IAT
GND
B+
MAG SIG OUT
S1BB28B
S1DC35E
S2DC33
S2DC35
Ignition Switch
INHIBIT
KEY IN

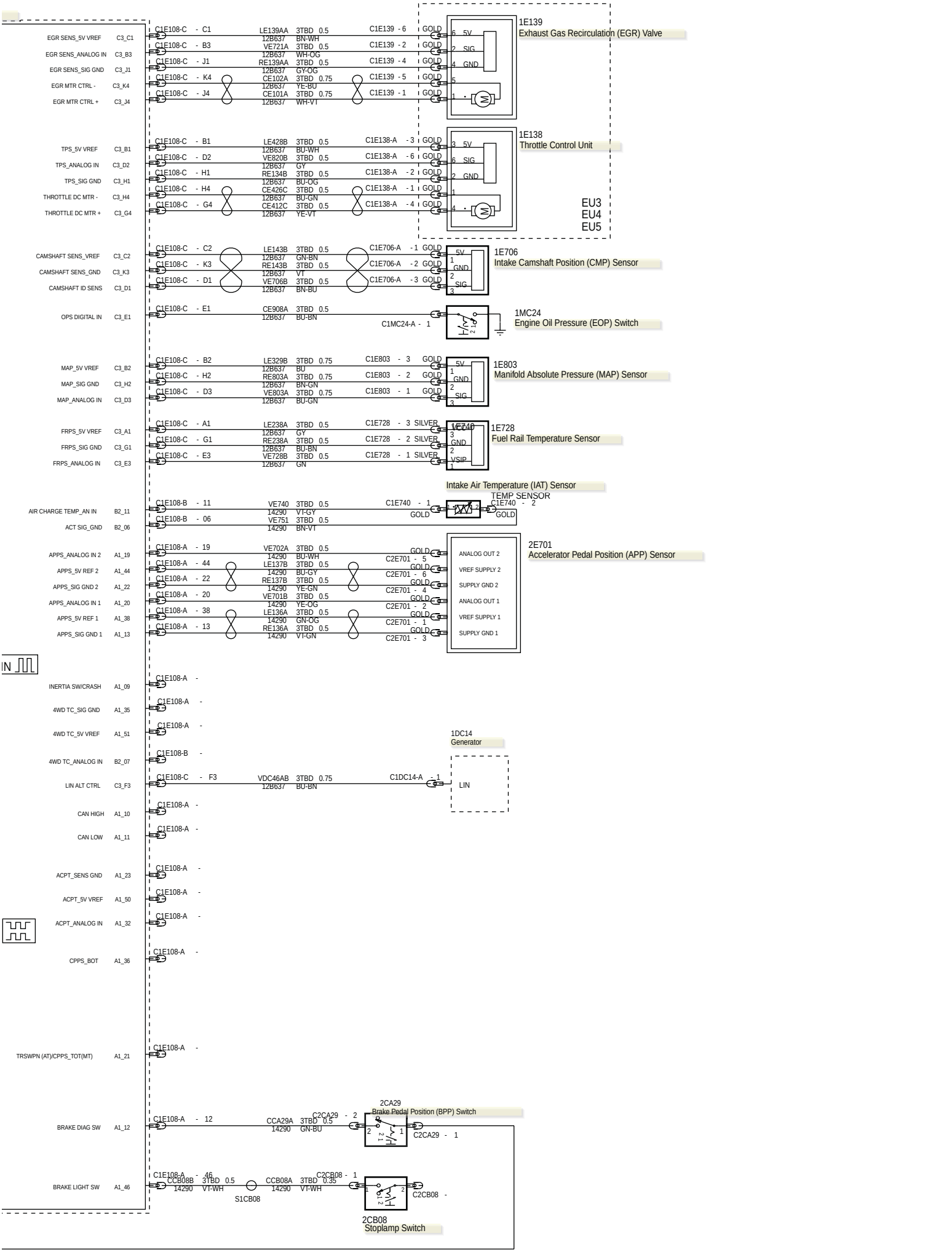

1E108
Powertrain Control Module (PCM)
1E432
Turbocharger Variable Vane Actuator
LOOP BACK CIRCUIT
1E749
EU5 / PROCONVE L6
Diesel Particulate Filter (DPF) Differential Pressure Sensor
Post DPF Exhaust Gas Temperature Sensor
Pre DPF Exhaust Gas Temperature Sensor
Exhaust Gas Temperature Sensor
1E711
Crankshaft Position (CKP) Sensor
ENGINE COOLANT
Fuel Temperature Sensor
1E335
Ambient Air Temperature Sensor
1E822
Vehicle Speed Sensor 1 (VSS1)
WITHOUT ABS
1ET47
Reversing Lamp Switch
1E205
Fuel Injector 1
1E206
Fuel Injector 2
1E207
Fuel Injector 3
1E208
Fuel Injector 4
Fuel Injector 5
1E209
1E518
Fuel Metering Valve
TO EJB
WITH ABS
WITHOUT ABS
Water-in-Fuel Sensor
G1D122-A
FENDER FRONT LEFT 3RD GROUND POINT
G1D122


EGR SENS_5V VREF C3_C1
EGR SENS_ANALOG IN C3_B3
EGR SENS_SIG GND C3_J1
EGR MTR CTRL - C3_K4
EGR MTR CTRL + C3_J4
1E139
Exhaust Gas Recirculation (EGR) Valve
TPS_5V VREF C3_B1
TPS_ANALOG IN C3_D2
TPS_SIG GND C3_H1
THROTTLE DC MTR - C3_H4
THROTTLE DC MTR + C3_G4
1E138
Throttle Control Unit
EU3
EU4
EU5
CAMSHAFT SENS_VREF C3_C2
CAMSHAFT SENS_GND C3_K3
CAMSHAFT ID SENS C3_D1
1E706
Intake Camshaft Position (CMP) Sensor
OPS DIGITAL IN C3_E1
1MC24
Engine Oil Pressure (EOP) Switch
MAP_5V VREF C3_B2
MAP_SIG GND C3_H2
MAP_ANALOG IN C3_D3
1E803
Manifold Absolute Pressure (MAP) Sensor
FRPS_5V VREF C3_A1
FRPS_SIG GND C3_G1
FRPS_ANALOG IN C3_E3
1E728
Fuel Rail Temperature Sensor
Intake Air Temperature (IAT) Sensor
TEMP SENSOR
AIR CHARGE TEMP_AN IN B2_11
ACT SIG_GND B2_06
APPS_ANALOG IN 2 A1_19
APPS_5V REF 2 A1_44
APPS_SIG GND 2 A1_22
APPS_ANALOG IN 1 A1_20
APPS_5V REF 1 A1_38
APPS_SIG GND 1 A1_13
2E701
Accelerator Pedal Position (APP) Sensor
ANALOG OUT 2
VREF SUPPLY 2
SUPPLY GND 2
ANALOG OUT 1
VREF SUPPLY 1
SUPPLY GND 1
IN
INERTIA SW/CRASH A1_09
4WD TC_SIG GND A1_35
4WD TC_5V VREF A1_51
4WD TC_ANALOG IN B2_07
LIN ALT CTRL C3_F3
1DC14
Generator
LIN
CAN HIGH A1_10
CAN LOW A1_11
ACPT_SENS GND A1_23
ACPT_5V VREF A1_50
ACPT_ANALOG IN A1_32
CPPS_BOT A1_36
2E903
Clutch Pedal Position (CPP) Switch
TRSWPN (AT)/CPPS_TOT(MT) A1_21
2E904
Clutch Pedal Position (CPP) Switch
BRAKE DIAG SW A1_12
2CA29
Brake Pedal Position (BPP) Switch
BRAKE LIGHT SW A1_46
S1CB08
2CB08
Stoplamp Switch

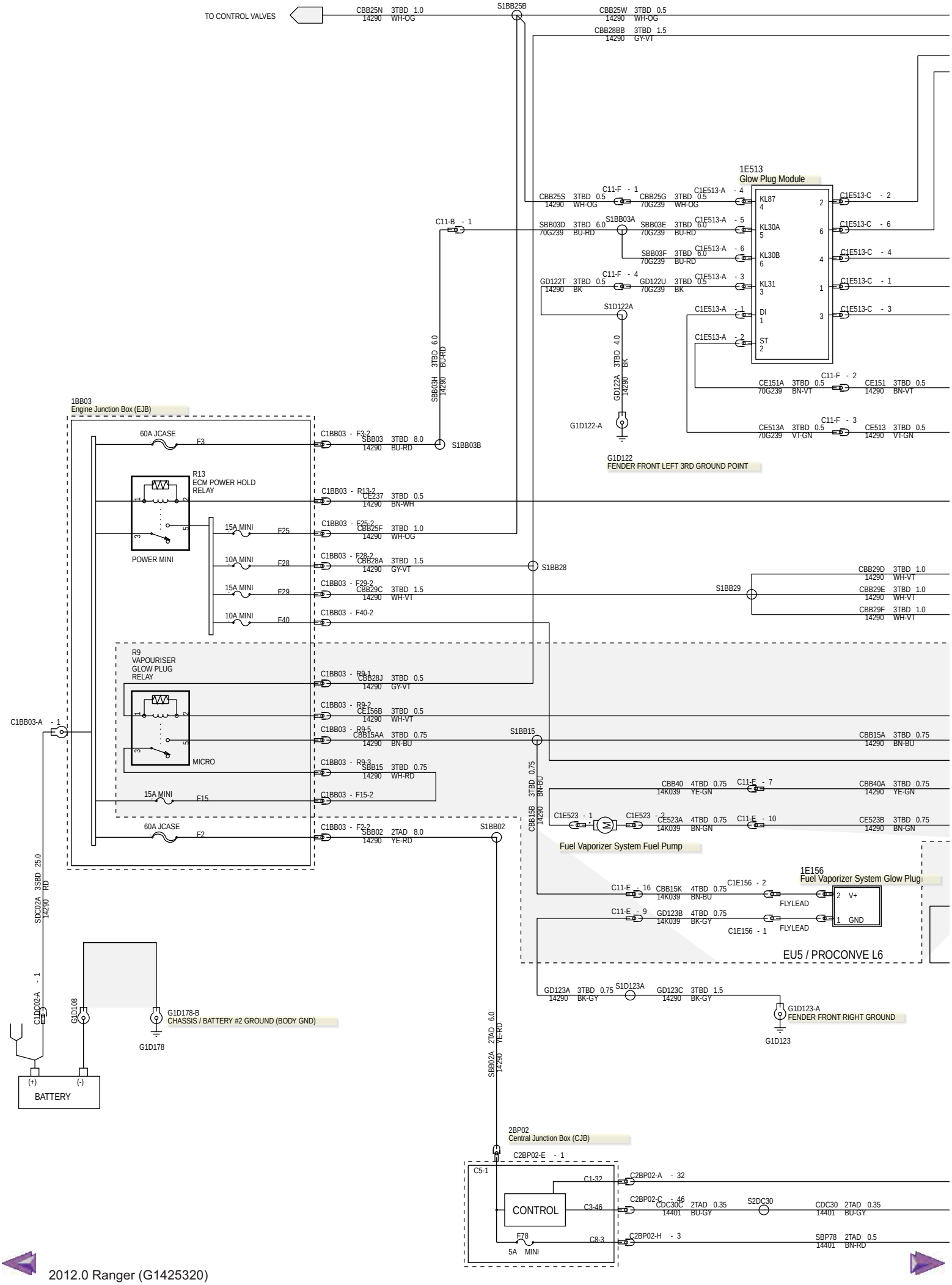

TO CONTROL VALVES
CBB25N 3TBD 1.0 14290 WH-OG
S1BB25B
CBB25W 3TBD 0.5 14290 WH-OG
CBB28BB 3TBD 1.5 14290 GY-VT
1E513
Glow Plug Module
CBB25S 3TBD 0.5 14290 WH-OG
C11-F - 1
CBB25G 3TBD 0.5 70G239 WH-OG
C1E513-A - 4
KL87 4
C1E513-C - 2
C11-B - 1
SBB03D 3TBD 6.0 70G239 BU-RD
S1BB03A
SBB03E 3TBD 6.0 70G239 BU-RD
C1E513-A - 5
KL30A 5
C1E513-C - 6
SBB03F 3TBD 6.0 70G239 BU-RD
C1E513-A - 6
KL30B 6
C1E513-C - 4
GD122T 3TBD 0.5 14290 BK
C11-F - 4
GD122U 3TBD 0.5 70G239 BK
C1E513-A - 3
KL31 3
C1E513-C - 1
S1D122A
C1E513-A - 1
DI 1
C1E513-C - 3
C1E513-A - 2
ST 2
SBB03H 3TBD 6.0 14290 BU-RD
GD122A 3TBD 4.0 14290 BK
C11-F - 2
CE151A 3TBD 0.5 70G239 BN-VT
CE151 3TBD 0.5 14290 BN-VT
G1D122-A
C11-F - 3
CE513A 3TBD 0.5 70G239 VT-GN
CE513 3TBD 0.5 14290 VT-GN
G1D122
FENDER FRONT LEFT 3RD GROUND POINT
1BB03
Engine Junction Box (EJB)
60A JCASE
F3
C1BB03 - F3-2
SBB03 3TBD 8.0 14290 BU-RD
S1BB03B
R13
ECM POWER HOLD RELAY
C1BB03 - R13-2
CE237 3TBD 0.5 14290 BN-WH
POWER MINI
15A MINI
F25
C1BB03 - F25-2
CBB25F 3TBD 1.0 14290 WH-OG
10A MINI
F28
C1BB03 - F28-2
CBB28A 3TBD 1.5 14290 GY-VT
S1BB28
15A MINI
F29
C1BB03 - F29-2
CBB29C 3TBD 1.5 14290 WH-VT
S1BB29
CBB29D 3TBD 1.0 14290 WH-VT
CBB29E 3TBD 1.0 14290 WH-VT
CBB29F 3TBD 1.0 14290 WH-VT
10A MINI
F40
C1BB03 - F40-2
R9
VAPOURISER GLOW PLUG RELAY
C1BB03 - R9-1
CBB28J 3TBD 0.5 14290 GY-VT
C1BB03 - R9-2
CE156B 3TBD 0.5 14290 WH-VT
C1BB03 - R9-5
CBB15AA 3TBD 0.75 14290 BN-BU
S1BB15
CBB15A 3TBD 0.75 14290 BN-BU
MICRO
C1BB03 - R9-3
SBB15 3TBD 0.75 14290 WH-RD
15A MINI
F15
C1BB03 - F15-2
C1BB03-A - 1
60A JCASE
F2
C1BB03 - F2-2
SBB02 2TAD 8.0 14290 YE-RD
S1BB02
CBB15B 3TBD 0.75 14290 BN-BU
CBB40 4TBD 0.75 14K039 YE-GN
C11-E - 7
CBB40A 3TBD 0.75 14290 YE-GN
C1E523 - 1
C1E523 - 2
CE523A 4TBD 0.75 14K039 BN-GN
C11-E - 10
CE523B 3TBD 0.75 14290 BN-GN
Fuel Vaporizer System Fuel Pump
1E156
Fuel Vaporizer System Glow Plug
C11-E - 16
CBB15K 4TBD 0.75 14K039 BN-BU
C1E156 - 2
2 V+
FLYLEAD
C11-E - 9
GD123B 4TBD 0.75 14K039 BK-GY
1 GND
C1E156 - 1
FLYLEAD
EU5 / PROCONVE L6
SDC02A 3SBD 25.0 14290 RD
C1DC02A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
(+)
(-)
BATTERY
GD123A 3TBD 0.75 14290 BK-GY
S1D123A
GD123C 3TBD 1.5 14290 BK-GY
G1D123-A
FENDER FRONT RIGHT GROUND
G1D123
SBB02A 2TAD 6.0 14290 YE-RD
2BP02
Central Junction Box (CJB)
C2BP02-E - 1
C5-1
C1-32
C2BP02-A - 32
CONTROL
C3-46
C2BP02-C - 46
CDC30C 2TAD 0.35 14401 BU-GY
S2DC30
CDC30 2TAD 0.35 14401 BU-GY
F78
5A MINI
C8-3
C2BP02-H - 3
SBP78 2TAD 0.5 14401 BN-RD

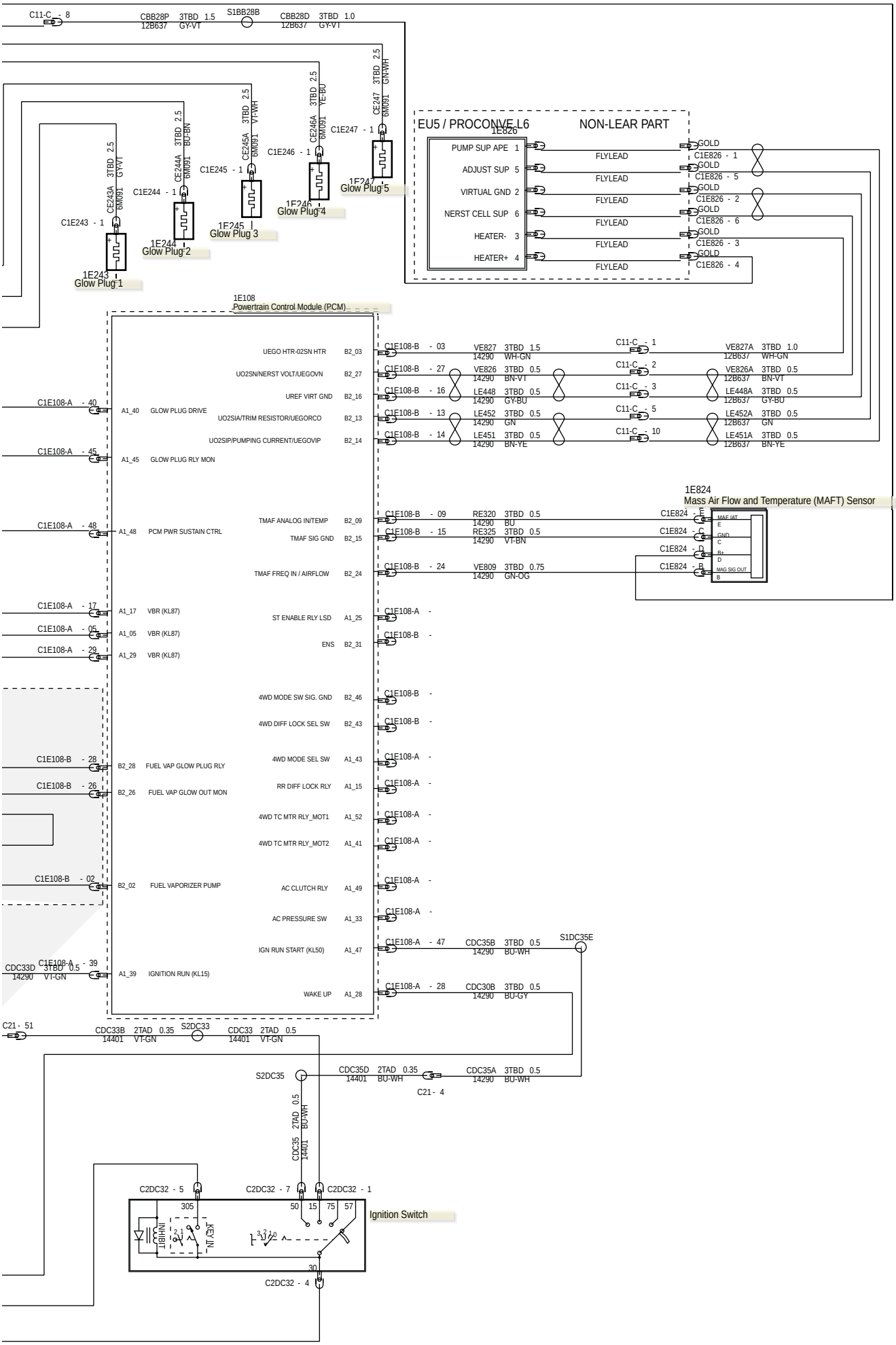

EU5 / PROCONVE L6
1E826
NON-LEAR PART
PUMP SUP APE 1
ADJUST SUP 5
VIRTUAL GND 2
NERST CELL SUP 6
HEATER- 3
HEATER+ 4
FLYLEAD
GOLD
C1E826 - 1
C1E826 - 5
C1E826 - 2
C1E826 - 6
C1E826 - 3
C1E826 - 4
1E243 Glow Plug 1
1E244 Glow Plug 2
1E245 Glow Plug 3
1E246 Glow Plug 4
1E247 Glow Plug 5
1E108
Powertrain Control Module (PCM)
1E824
Mass Air Flow and Temperature (MAFT) Sensor
MAF IAT
GND
B+
MAG SIG OUT
S1BB28B
S1DC35E
S2DC33
S2DC35
C21 - 51
C21 - 4
C2DC32 - 5
C2DC32 - 7
C2DC32 - 1
C2DC32 - 4
Ignition Switch
INHIBIT
KEY IN


1E108
Powertrain Control Module (PCM)
1E432
Turbocharger Variable Vane Actuator
PWM SIG
VCC
GND
LOOP BACK CIRCUIT
1E749
EU5 / PROCONVE L6
Diesel Particulate Filter (DPF) Differential Pressure Sensor
PRESS OUT
POWER
GND
EU5 / PROCONVE L6
Post DPF Exhaust Gas Temperature Sensor
Pre DPF Exhaust Gas Temperature Sensor
Exhaust Gas Temperature Sensor
FLYLEAD
1E711
Crankshaft Position (CKP) Sensor
5V VREF
CPS +
GND
ENGINE COOLANT
Fuel Temperature Sensor
1E335
Ambient Air Temperature Sensor
1E205
Fuel Injector 1
1E206
Fuel Injector 2
1E207
Fuel Injector 3
1E208
Fuel Injector 4
1E209
Fuel Injector 5
1E518
Fuel Metering Valve
TO EJB
Water-in-Fuel Sensor
S1D122A
G1D122-A
FENDER FRONT LEFT 3RD GROUND POINT
G1D122


EGR SENS_5V VREF C3_C1
EGR SENS_ANALOG IN C3_B3
EGR SENS_SIG GND C3_J1
EGR MTR CTRL - C3_K4
EGR MTR CTRL + C3_J4
C1E108-C - C1 LE139AA 3TBD 0.5 12B637 BN-WH C1E139 - 6 GOLD
C1E108-C - B3 VE721A 3TBD 0.5 12B637 WH-OG C1E139 - 2 GOLD
C1E108-C - J1 RE139AA 3TBD 0.5 12B637 GY-OG C1E139 - 4 GOLD
C1E108-C - K4 CE102A 3TBD 0.75 12B637 YE-BU C1E139 - 5 GOLD
C1E108-C - J4 CE101A 3TBD 0.75 12B637 WH-VT C1E139 - 1 GOLD
6 5V
2 SIG
4 GND
5
1
1E139
Exhaust Gas Recirculation (EGR) Valve
TPS_5V VREF C3_B1
TPS_ANALOG IN C3_D2
TPS_SIG GND C3_H1
THROTTLE DC MTR - C3_H4
THROTTLE DC MTR + C3_G4
C1E108-C - B1 LE428B 3TBD 0.5 12B637 BU-WH C1E138-A - 3 GOLD
C1E108-C - D2 VE820B 3TBD 0.5 12B637 GY C1E138-A - 6 GOLD
C1E108-C - H1 RE134B 3TBD 0.5 12B637 BU-OG C1E138-A - 2 GOLD
C1E108-C - H4 CE426C 3TBD 0.5 12B637 BU-GN C1E138-A - 1 GOLD
C1E108-C - G4 CE412C 3TBD 0.5 12B637 YE-VT C1E138-A - 4 GOLD
3 5V
6 SIG
2 GND
1
4
1E138
Throttle Control Unit
EU3
EU4
EU5
CAMSHAFT SENS_VREF C3_C2
CAMSHAFT SENS_GND C3_K3
CAMSHAFT ID SENS C3_D1
C1E108-C - C2 LE143B 3TBD 0.5 12B637 GN-BN C1E706-A - 1 GOLD
C1E108-C - K3 RE143B 3TBD 0.5 12B637 VT C1E706-A - 2 GOLD
C1E108-C - D1 VE706B 3TBD 0.5 12B637 BN-BU C1E706-A - 3 GOLD
5V 1
GND 2
SIG 3
1E706
Intake Camshaft Position (CMP) Sensor
OPS DIGITAL IN C3_E1
C1E108-C - E1 CE908A 3TBD 0.5 12B637 BU-BN C1MC24-A - 1
1MC24
Engine Oil Pressure (EOP) Switch
MAP_5V VREF C3_B2
MAP_SIG GND C3_H2
MAP_ANALOG IN C3_D3
C1E108-C - B2 LE329B 3TBD 0.75 12B637 BU C1E803 - 3 GOLD
C1E108-C - H2 RE803A 3TBD 0.75 12B637 BN-GN C1E803 - 2 GOLD
C1E108-C - D3 VE803A 3TBD 0.75 12B637 BU-GN C1E803 - 1 GOLD
5V 1
GND 2
SIG 3
1E803
Manifold Absolute Pressure (MAP) Sensor
FRPS_5V VREF C3_A1
FRPS_SIG GND C3_G1
FRPS_ANALOG IN C3_E3
C1E108-C - A1 LE238A 3TBD 0.5 12B637 GY C1E728 - 3 SILVER
C1E108-C - G1 RE238A 3TBD 0.5 12B637 BU-BN C1E728 - 2 SILVER
C1E108-C - E3 VE728B 3TBD 0.5 12B637 GN C1E728 - 1 SILVER
VE740
3
GND 2
VSIP 1
1E728
Fuel Rail Temperature Sensor
Intake Air Temperature (IAT) Sensor
TEMP SENSOR
AIR CHARGE TEMP_AN IN B2_11
ACT SIG_GND B2_06
C1E108-B - 11 VE740 3TBD 0.5 14290 VI-GY C1E740 - 1 GOLD
C1E108-B - 06 VE751 3TBD 0.5 14290 BN-VT C1E740 - 2 GOLD
APPS_ANALOG IN 2 A1_19
APPS_5V REF 2 A1_44
APPS_SIG GND 2 A1_22
APPS_ANALOG IN 1 A1_20
APPS_5V REF 1 A1_38
APPS_SIG GND 1 A1_13
C1E108-A - 19 VE702A 3TBD 0.5 14290 BU-WH C2E701 - 5 GOLD
C1E108-A - 44 LE137B 3TBD 0.5 14290 BU-GY C2E701 - 6 GOLD
C1E108-A - 22 RE137B 3TBD 0.5 14290 YE-GN C2E701 - 4 GOLD
C1E108-A - 20 VE701B 3TBD 0.5 14290 YE-OG C2E701 - 2 GOLD
C1E108-A - 38 LE136A 3TBD 0.5 14290 GN-OG C2E701 - 1 GOLD
C1E108-A - 13 RE136A 3TBD 0.5 14290 VI-GN C2E701 - 3 GOLD
ANALOG OUT 2
VREF SUPPLY 2
SUPPLY GND 2
ANALOG OUT 1
VREF SUPPLY 1
SUPPLY GND 1
2E701
Accelerator Pedal Position (APP) Sensor
INERTIA SW/CRASH A1_09
4WD TC_SIG GND A1_35
4WD TC_5V VREF A1_51
4WD TC_ANALOG IN B2_07
LIN ALT CTRL C3_F3
CAN HIGH A1_10
CAN LOW A1_11
C1E108-A -
C1E108-B -
C1E108-C - F3 VDC46AB 3TBD 0.75 12B637 BU-BN C1DC14-A - 1
1DC14
Generator
LIN
ACPT_SENS GND A1_23
ACPT_5V VREF A1_50
ACPT_ANALOG IN A1_32
CPPS_BOT A1_36
TRSWPN (AT)/CPPS_TOT(MT) A1_21
BRAKE DIAG SW A1_12
BRAKE LIGHT SW A1_46
C1E108-A - 12 CCA29A 3TBD 0.5 14290 GN-BU C2CA29 - 2
C2CA29 - 1
2CA29
Brake Pedal Position (BPP) Switch
C1E108-A - 46 CCB08B 3TBD 0.5 14290 VT-WH S1CB08 CCB08A 3TBD 0.35 14290 VT-WH C2CB08 - 1
C2CB08 -
2CB08
Stoplamp Switch

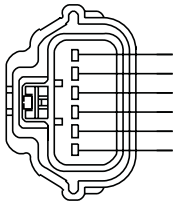
303-14B-24 Engine Control—3.2L Duratorq-TDCi (148kW/200PS) - Puma, Vehicles With: 6-Speed Automatic Transaxle - 6R80




EU5 / PROCONVE L6
NON-LEAR PART
1E826
PUMP SUP APE 1
ADJUST SUP 5
VIRTUAL GND 2
NERST CELL SUP 6
HEATER- 3
HEATER+ 4
FLYLEAD
GOLD
1E108
Powertrain Control Module (PCM)
UEGO HTR-02SN HTR B2_03
UO2SN/NERST VOLT/UEGOVN B2_27
UREF VIRT GND B2_16
UO2SIA/TRIM RESISTOR/UEGORCO B2_13
UO2SIP/PUMPING CURRENT/UEGOVIP B2_14
GLOW PLUG DRIVE A1_40
GLOW PLUG RLY MON A1_45
PCM PWR SUSTAIN CTRL A1_48
VBR (KL87) A1_17
VBR (KL87) A1_05
VBR (KL87) A1_29
TMAF ANALOG IN/TEMP B2_09
TMAF SIG GND B2_15
TMAF FREQ IN / AIRFLOW B2_24
ST ENABLE RLY LSD A1_25
ENS B2_31
4WD MODE SW SIG. GND B2_46
4WD DIFF LOCK SEL SW B2_43
4WD MODE SEL SW A1_43
RR DIFF LOCK RLY A1_15
4WD TC MTR RLY_MOT1 A1_52
4WD TC MTR RLY_MOT2 A1_41
FUEL VAP GLOW PLUG RLY B2_28
FUEL VAP GLOW OUT MON B2_26
FUEL VAPORIZER PUMP B2_02
AC CLUTCH RLY A1_49
AC PRESSURE SW A1_33
IGN RUN START (KL50) A1_47
IGNITION RUN (KL15) A1_39
WAKE UP A1_28
1E824
Mass Air Flow and Temperature (MAFT) Sensor
MAF IAT
GND
B+
MAG SIG OUT
1E247
Glow Plug 5
1E246
Glow Plug 4
1E245
Glow Plug 3
1E244
Glow Plug 2
1E243
Glow Plug 1
S1BB28B
S1DC35E
S2DC33
S2DC35
Ignition Switch
INHIBIT
KEY IN
305
50
15
75
57
30

Accelerator Pedal Position (APP) Sensor (G1404002)

PIN 1 => LE136A GN-OG 0.5 3TBD
PIN 2 => VE701B YE-OG 0.5 3TBD
PIN 3 => RE136A VT-GN 0.5 3TBD
PIN 4 => RE137B YE-GN 0.5 3TBD
PIN 5 => VE702A BU-WH 0.5 3TBD
PIN 6 => LE137B BU-GY 0.5 3TBD



1	LE136B	GN-OG	3TBD	0.5	GOLD
2	VE701A	YE-OG	3TBD	0.5	GOLD
3	RE136B	VT-GN	3TBD	0.5	GOLD
4	RE137A	YE-GN	3TBD	0.5	GOLD
5	VE702B	BU-WH	3TBD	0.5	GOLD
6	LE137A	BU-GY	3TBD	0.5	GOLD

8U5T-14A464-JAA(000)

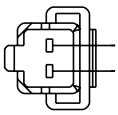
C2E701

TO ACCELERATOR PEDAL

HARNESS 14290

Brake Pedal Position (BPP) Switch (G1404158)

PIN 2 => CCA29A GN-BU 0.5 3TBD



1	GD122M	BK	3TBD	0.5	
2	CCA29B	GN-BU	3TBD	0.5	

F5LB-14489-BA

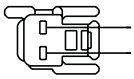
C2CA29

TO SPEED CONTROL INHIBIT SWITCH

HARNESS 14290

Clutch Pedal Position (CPP) Switch (G1404159)

PIN 1 => CE903B BU-OG 0.5 3TBD



2	GD122W	BK	3TBD	0.5	GOLD
1	CE903A	BU-OG	3TBD	0.5	GOLD

97BG-14489-YBB

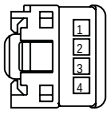
C2E903

TO CPP-BT

HARNESS 14290

Clutch Pedal Position (CPP) Switch (G1404160)

PIN 2 => CE904A GN-VT 0.5 3TBD



1						
2	CE904B	GN-VT	3TBD	0.5	SILVER
3	GD122L	BK	3TBD	0.5	SILVER
4						

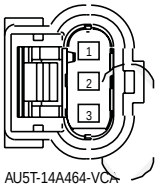
1L2T-14489-GC

C2E904

TO CPP-TT

HARNESS 14290

Crankshaft Position (CKP) Sensor—A (G1404161)



1	LE135A	GY-VT	3TBD	0.75	GOLD
2	RE135B	GN-BN	3TBD	0.75	GOLD
3	VE711A	YE-VT	3TBD	0.75	GOLD

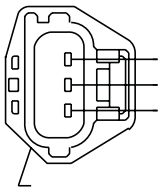
AU5T-14A464-VCA

C1E711-A

TO BI-DIRECTIONAL CRANKSHAFT POSITION SENSOR

HARNESS 12B637

Diesel Particulate Filter (DPF) Differential Pressure Sensor (G1404169)



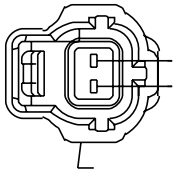
3	LE147A	BN-BU	3TBD	0.5	GOLD
2	VE713A	GN-OG	3TBD	0.5	GOLD
1	RE147A	WH-BU	3TBD	0.5	GOLD

XW4T-14A464-FB

C1E749
TO DPF DELTA PRESSURE SENSOR ASSY

HARNESS 14290

Engine Coolant Temperature (ECT) Sensor (G1404170)



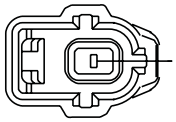
2	RE141	BN-GN	3TBD	0.5	GOLD
1	VE716A	YE	3TBD	0.5	GOLD

F5AB-14A464-BB

C1E716
TO ENGINE COOLANT TEMPERATURE SENSOR

HARNESS 12B637

Engine Oil Pressure (EOP) Switch—A (G1404171)



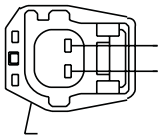
1	CE908A	BU-BN	3TBD	0.5	

F65B-14A464-CA

C1MC24-A
TO OIL PRESSURE SWITCH DIESEL

HARNESS 12B637

Exhaust Gas Temperature Sensor (G1408808)



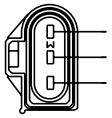
2	RE749C	GY-BU	4TBD	0.5	
1	VE771A	BN-VT	4TBD	0.5	

XW4T-14A464-AJB

C1E771
TO FLYLEAD EGT3 SENSOR

HARNESS 14K039

Fuel Rail Temperature Sensor (G1404176)



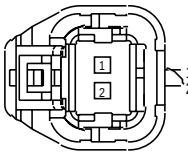
1	VE728B	GN	3TBD	0.5	SILVER
2	RE238A	BU-BN	3TBD	0.5	SILVER
3	LE238A	GY	3TBD	0.5	SILVER

4R8Q-14A464-DB

C1E728
TO FUEL RAIL PRESSURE TRANSDUCER

HARNESS 12B637

Fuel Temperature Sensor (G1404177)



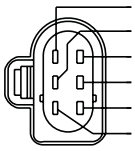
1 VE728A GN 3TBD 0.5 GOLD
2 RE232D VT-WH 3TBD 0.5 GOLD

AU5T-14A464-DBA

C1E729
TO FUEL TEMPERATURE SENSOR

HARNESS 12B637

Heated Oxygen Sensor (HO2S) (G1408809)



6 VE826A BN-VT 3TBD 0.5 GOLD
4 CBB28D GY-VT 3TBD 1.0 GOLD
5 LE452A GN 3TBD 0.5 GOLD
3 VE827A WH-GN 3TBD 1.0 GOLD
1 LE451A BN-YE 3TBD 0.5 GOLD
2 LE448A GY-BU 3TBD 0.5 GOLD

6G9T-14A464-XDA

C1E826
TO FLYLEAD UHEGO

HARNESS 12B637

Intake Air Temperature (IAT) Sensor (G1404178)



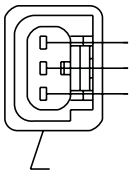
2 VE751 BN-VT 3TBD 0.5 GOLD
1 VE740 VT-GY 3TBD 0.5 GOLD

6M5T-14A464-FBA

C1E740
TO AIRCHARGE TEMP SENSOR

HARNESS 14290

Intake Camshaft Position (CMP) Sensor—A (G1404179)



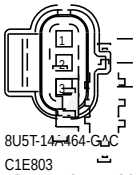
3 VE706B BN-BU 3TBD 0.5 GOLD
2 RE143B VT 3TBD 0.5 GOLD
1 LE143B GN-BN 3TBD 0.5 GOLD

1W7T-14A464-MA

C1E706-A
TO CAMSHAFT POSITION SENSOR DIESEL

HARNESS 12B637

Manifold Absolute Pressure (MAP) Sensor (G1404184)



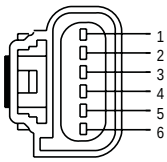
1 VE803A BU-GN 3TBD 0.75 GOLD
2 RE803A BN-GN 3TBD 0.75 GOLD
3 LE329B BU 3TBD 0.75 GOLD

8U5T-14A464-GAC

C1E803
TO MANIFOLD ABSOLUTE PRESSURE

HARNESS 12B637

Mass Air Flow and Temperature (MAFT) Sensor (G1404185)



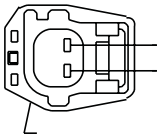
1 RE320 BU 3TBD 0.5
2 CBB25W WH-OG 3TBD 0.5
3 RE235 VT-BN 3TBD 0.5
4 VE809 GN-OG 3TBD 0.75
5
6

3W4T-14A464-VA(002)

C1E824
TO TEMPERATURE MASS AIR FLOW SENSOR

HARNESS 14290

Post DPF Exhaust Gas Temperature Sensor (G1404186)



2 RE749A GY-BU 4TBD 0.5
1 VE748A YE-OG 4TBD 0.5

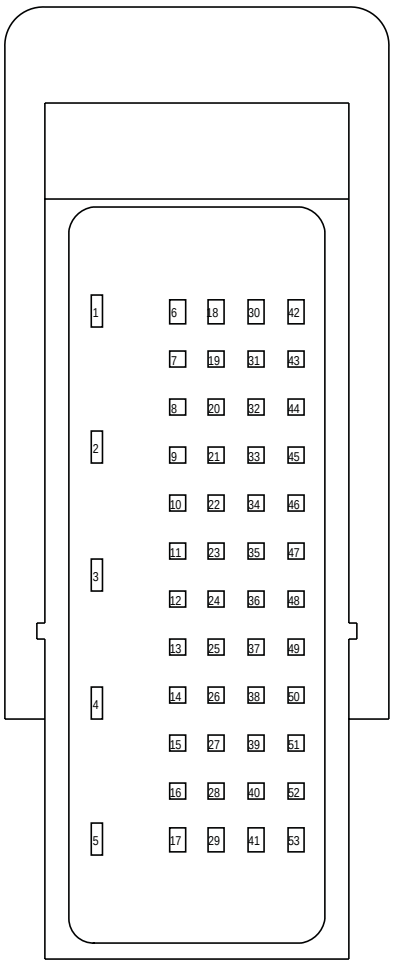
XW4T-14A464-AJB

C1E748
TO FLYLEAD DPF EXHAUST TEMPERATURE SENSOR DOWNSTREAM

HARNESS 14K039

Powertrain Control Module (PCM)—A (G1404187)

PIN 36 => CE903B BU-OG 0.5 3TBD



1
2
3
4
5
6
7
8
9
10 VDB04E WH-BU 3TBD 0.5 + VDB04P WH-BU 3TBD 0.5
11 VDB05N WH3TBD 0.5 + VDB05P WH3TBD 0.5
12 CCA29A GN-BU 3TBD 0.5
13 RE136A VT-GN 3TBD 0.5
14
15 VET68B VT-OG 3TBD 0.5
16
17 CBB29D WH-VT 3TBD 1.0
18
19 VE702A BU-WH 3TBD 0.5
20 VE701B YE-OG 3TBD 0.5
21 CE904A GN-VT 3TBD 0.5
22 RE137B YE-GN 3TBD 0.5
23 RH433A BU-GY 3TBD 0.5
24
25 CDC12A YE 3TBD 0.5
26
27
28 CDC30B BU-GY 3TBD 0.5
29 CBB29F WH-VT 3TBD 1.0
30
31
32 VH433B VT-OG 3TBD 0.5
33 CH423C YE 3TBD 0.5
34 VE822D YE-BU 3TBD 0.5
35 RCF09 BN-WH 3TBD 0.5
36 CET60 WH-GN 3TBD 0.5
37
38 LE136A GN-OG 3TBD 0.5
39 CDC33D VT-GN 3TBD 0.5
40 CE151 BN-VT 3TBD 0.5
41 CCF08A GY-OG 3TBD 0.5
42 GD122C BK 3TBD 1.0
43 CCF13 WH-BU 3TBD 0.5
44 LE137B BU-GY 3TBD 0.5
45 CE513 VT-GN 3TBD 0.5
46 CCB08B VT-WH 3TBD 0.5
47 CDC35B BU-WH 3TBD 0.5
48 CE237 BN-WH 3TBD 0.5
49 CEC02A GN-BU 3TBD 0.5
50 CH445A YE-GY 3TBD 0.5
51 LCF24 YE 3TBD 0.5
52 CCF07A BN-GN 3TBD 0.5
53 GD122B BK 3TBD 1.0

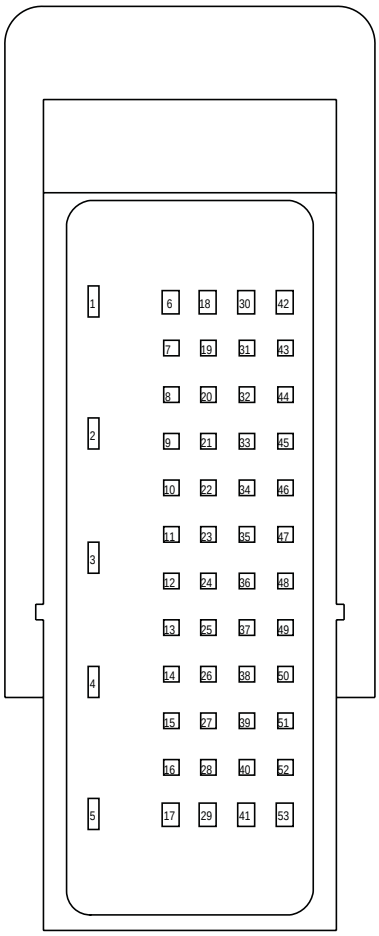
AB3N-14A464-AA

C1E108-A
TO ECM1 DIESEL

HARNESS 14290

Powertrain Control Module (PCM)—B (G1404189)

PIN 52 => CET47C BU 0.5 3TBD + CET47E BU 0.5 3TBD



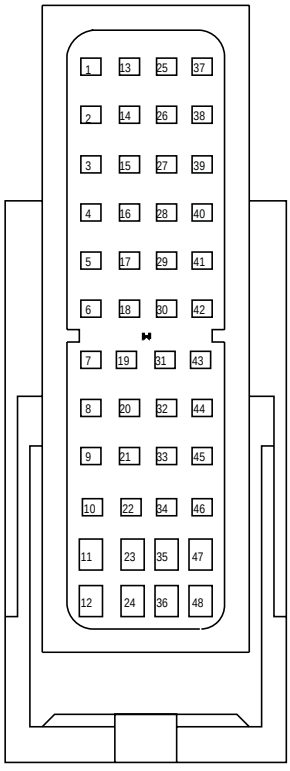
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11	VE740	VT-GY	3TBD	0.5
12				
13	LE452	GN 3TBD	0.5	
14	LE451	BN-YE	3TBD	0.5
15	RE325	VT-BN	3TBD	0.5
16	LE448	GY-BU	3TBD	0.5
17				
18	VE750	GN-BU	3TBD	0.5
19				
20				
21	RE335	BN-VT	3TBD	0.5
22	VE747B	VT-OG	3TBD	0.5
23				
24	VE809	GN-OG	3TBD	0.75
25				
26	CBB15A	BN-BU	3TBD	0.75
27	VE826	BN-VT	3TBD	0.5
28	CE156B	WH-VT	3TBD	0.5
29				
30	RE147A	WH-BU	3TBD	0.5
31	CR115D	BN 3TBE	0.5	
32				
33	RE747B	BU 3TBD	0.5	
34	RE749B	GY-BU	3TBD	0.5
35				
36				
37	VE713A	GN-OG	3TBD	0.5
38	LE437B	YE 3TBD	0.75	
39	VMC05D	VT-OG	3TBD	0.5
40	VE823A	BU-BN	3TBD	0.5
41				
42				
43	RET68	YE-GY	3TBD	0.5
44				
45	CES07D	BN 3TBD	0.5	
46	RCF13	WH-BN	3TBD	0.5
47	VE748B	YE-OG	3TBD	0.5
48				
49				
50				
51				
52	CET47E	BU 3TBD	0.5 + CET47C	BU 3TBD 0.5
53				

AB3N-14A464-CA

C1E108-B
TO ECM2 DIESEL

HARNESS 14290

Powertrain Control Module (PCM)—C (G1404205)



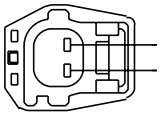
1	RE401B GN-BU 3TBD 0.75
2	CE460A VT-WH 3TBD 0.5
3	
4	
5	CE431B WH 3SCD 0.75
6	CE432A BU 3SCD 0.75
7	CE412C YE-VT 3TBD 0.5
8	CE426C BU-GN 3TBD 0.5
9	CE101A WH-VT 3TBD 0.75
10	CE102A YE-BU 3TBD 0.75
11	RE207A GN-VT 3TBD 1
12	RE205A YE-BU 3TBD 1
13	VE350A GY 3TBD 0.75
14	VE721A WH-OG 3TBD 0.5
15	VE836A VT-GN 3SCD 0.75
16	VE803A BU-GN 3TBD 0.75
17	VE728B GN 3TBD 0.5
18	VDC46AB BU-BN 3TBD 0.75
19	VE728A GN 3TBD 0.5
20	VE711A YE-VT 3TBD 0.75
21	
22	RE143B VT 3TBD 0.5
23	CE205A GN-BU 3TBD 1
24	RE206AA BU-OG 3TBD 1 / RE207 GN-VT 3TBD 1
25	LE135A GY-VT 3TBD 0.75
26	LE329B BU 3TBD 0.75
27	LE143B GN-BN 3TBD 0.5
28	VE820B GY 3TBD 0.5
29	VE837A WH 3SCD 0.75
30	VE716A YE 3TBD 0.5
31	
32	RE803A BN-GN 3TBD 0.75
33	RE135B GN-BN 3TBD 0.75
34	RE141 BN-GN 3TBD 0.5
35	CE207B VT-GY 3TBD 1 / CE208A YE-OG 3TBD 1
36	RE208A BU 3TBD 1 / RE208AA BU 3TBD 1
37	LE238A GY 3TBD 0.5
38	LE428B BU-WH 3TBD 0.5
39	LE139AA BN-WH 3TBD 0.5
40	VE706B BN-BU 3TBD 0.5
41	CE908A BU-BN 3TBD 0.5
42	RE232D VT-WH 3TBD 0.5
43	RE238A BU-BN 3TBD 0.5
44	RE134B BU-OG 3TBD 0.5
45	RE139AA GY-OG 3TBD 0.5
46	RE437A GY 3SCD 0.75 / RE437AA GY 3SCD 0.75
47	CE206B GY-YE 3TBD 1 / CE206BA GY-YE 3TBD 1
48	RE206A BU-OG 3TBD 1 / RE209A WH-GN 3TBD 1

7V6N-14A464-TA(099)

C1E108-C
TO ECM3 DIESEL

HARNESS 12B637

Pre DPF Exhaust Gas Temperature Sensor (G1404206)



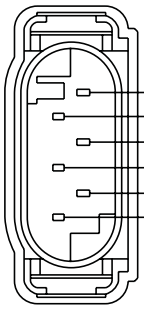
2	RE747A	BU	4TBD	0.5	
1	VE747A	VT-OG	4TBD	0.5	

XW4T-14A464-AHB

C1E747
TO FLYLEAD DPF EXHAUST TEMPERATURE SENSOR UPSTREAM

HARNESS 14K039

Throttle Control Unit—A (G1404207)



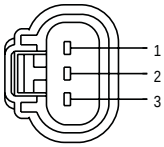
6	VE820B	GY	3TBD	0.5		GOLD
3	LE428B	BU-WH	3TBD	0.5		GOLD
5						
2	RE134B	BU-OG	3TBD	0.5		GOLD
4	CE412C	YE-VT	3TBD	0.5		GOLD
1	CE426C	BU-GN	3TBD	0.5		GOLD

2L1T-14A464-YA

C1E138-A
TO ELECTRONIC THROTTLE BODY DIESEL

HARNESS 12B637

Vehicle Speed Sensor 1 (VSS1) (G1404208)



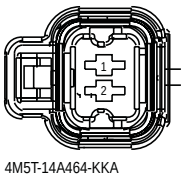
1	VMC05	VT-OG	4TBD	0.5		GOLD
2	VE822	YE-BU	4TBD	0.5		GOLD
3	CES07	BN	4TBD	0.5		GOLD

2L1T-14A464-ZA

C1E822
TO VEHICLE SPEED SENSOR

HARNESS 14K039

Wastegate Control Solenoid (G1404209)



1	CBB25H	WH-OG	3TBD	0.5	
2	CE460A	VT-WH	3TBD	0.5	

4M5T-14A464-KKA

C1E460
TO EVRV

HARNESS 12B637

SECTION 307-01 Automatic Transmission/Transaxle

— Vehicles With: 6-Speed Automatic Transaxle - 6R80

VEHICLE APPLICATION: 2012.0 Ranger

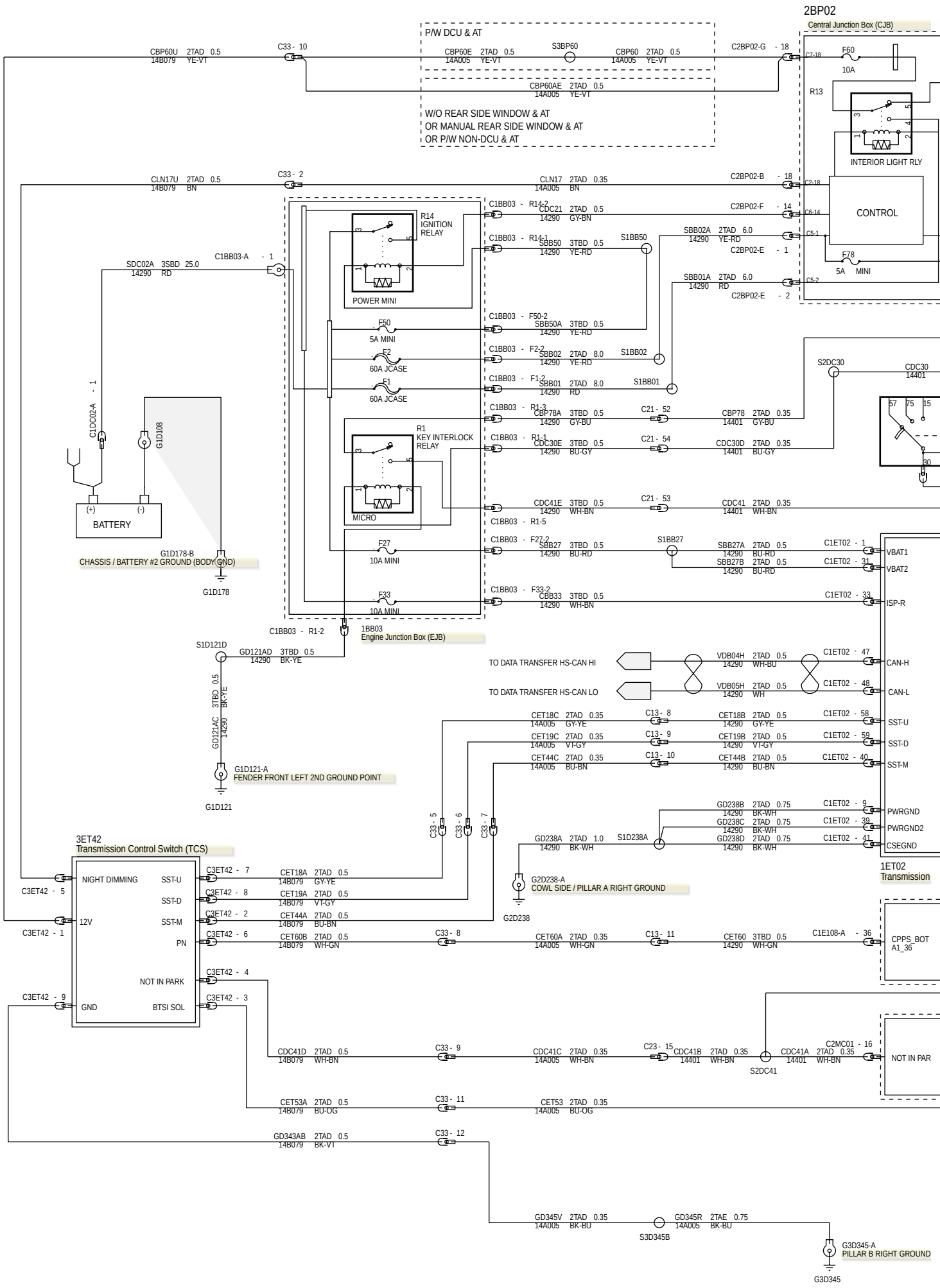
CONTENTS PAGE

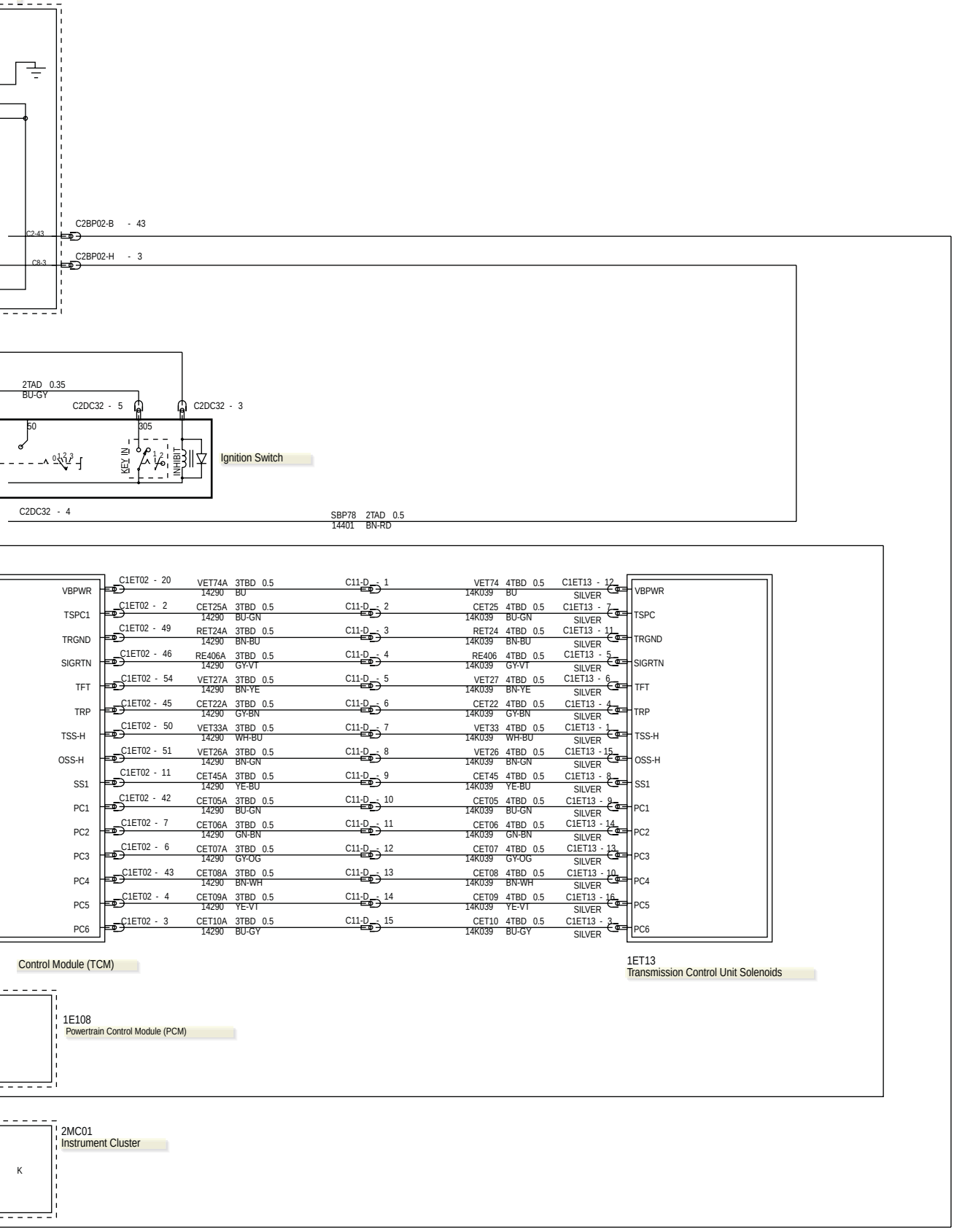
ELECTRICAL SCHEMATICS

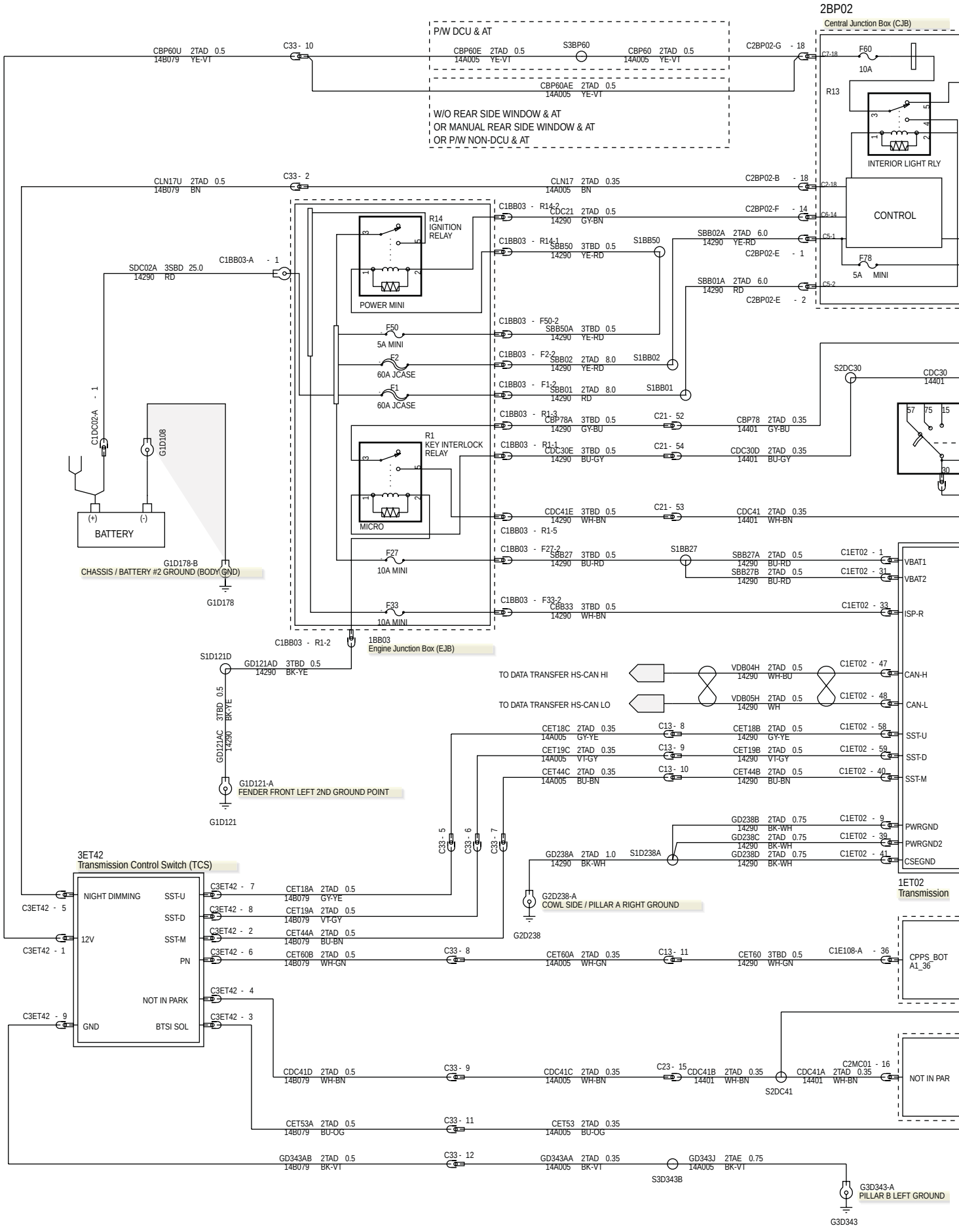
Automatic Transmission/Transaxle — LHD 4WD/LHD RWD..... 307-01-2
Automatic Transmission/Transaxle — RHD 4WD/RHD RWD..... 307-01-4

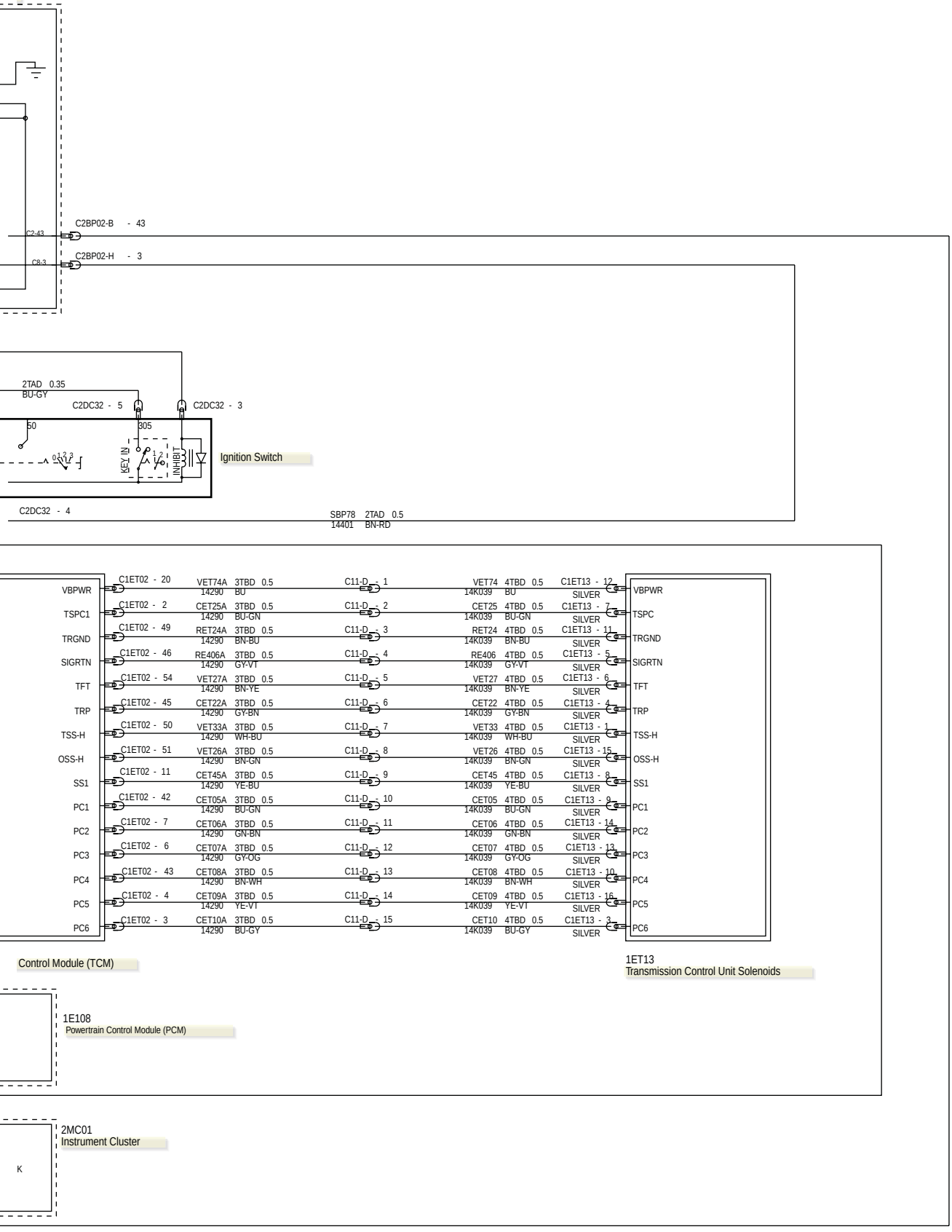
ELECTRICAL CONNECTORS

Transmission Control Module (TCM)..... 307-01-6
Transmission Control Unit Solenoids..... 307-01-6

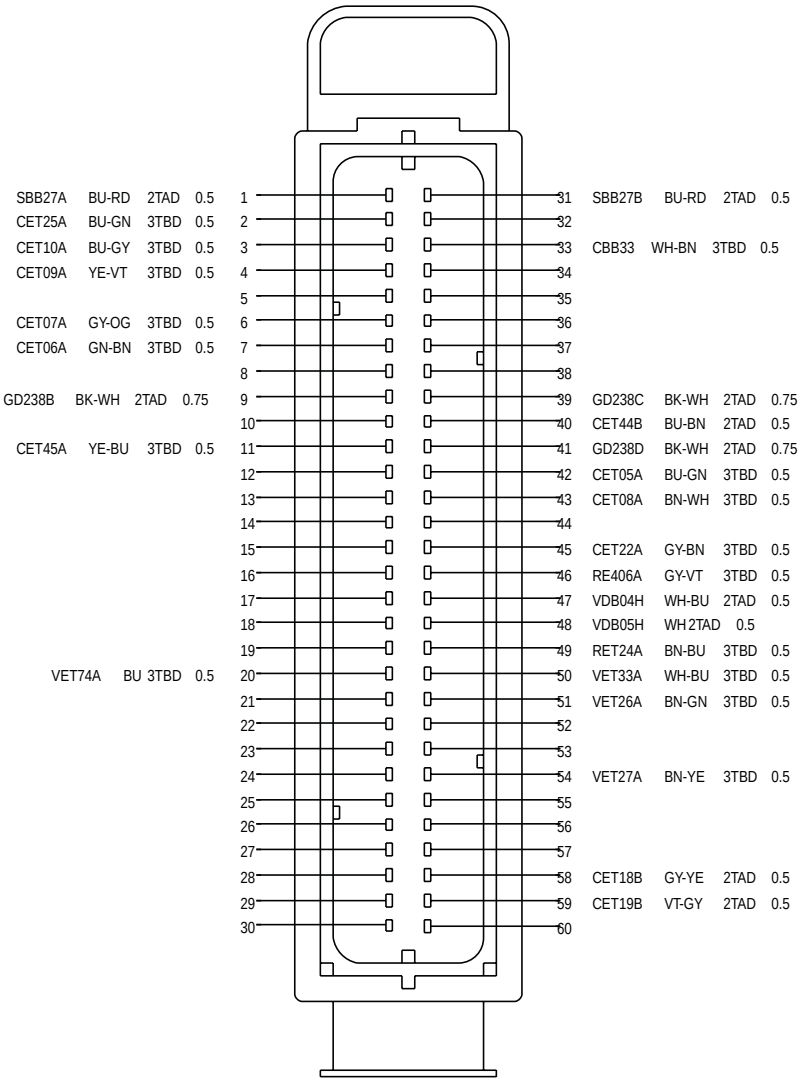

2BP02
Central Junction Box (CJB)
P/W DCU & AT
W/O REAR SIDE WINDOW & AT
OR MANUAL REAR SIDE WINDOW & AT
OR P/W NON-DCU & AT
CBP60U 2TAD 0.5 14B079 YE-VT
C33 - 10
CBP60E 2TAD 0.5 14A005 YE-VT
S3BP60
CBP60 2TAD 0.5 14A005 YE-VT
CBP60AE 2TAD 0.5 14A005 YE-VT
C2BP02-G - 18
F60
10A
R13
INTERIOR LIGHT RLY
CLN17U 2TAD 0.5 14B079 BN
C33 - 2
CLN17 2TAD 0.35 14A005 BN
C2BP02-B - 18
CONTROL
R14 IGNITION RELAY
POWER MINI
C1BB03 - R14-2
CDC21 2TAD 0.5 14290 GY-BN
C2BP02-F - 14
C1BB03 - R14-1
SBB50 3TBD 0.5 14290 YE-RD
S1BB50
SBB02A 2TAD 6.0 14290 YE-RD
C2BP02-E - 1
F78
5A MINI
SDC02A 3SBD 25.0 14290 RD
C1BB03-A - 1
SBB01A 2TAD 6.0 14290 RD
C2BP02-E - 2
F50
5A MINI
C1BB03 - F50-2
SBB50A 3TBD 0.5 14290 YE-RD
F2
60A JCASE
C1BB03 - F2-2
SBB02 2TAD 8.0 14290 YE-RD
S1BB02
F1
60A JCASE
C1BB03 - F1-2
SBB01 2TAD 8.0 14290 RD
S1BB01
S2DC30
CDC30 14401
C1DC02A - 1
G1D108
R1 KEY INTERLOCK RELAY
C1BB03 - R1-3
CBP78A 3TBD 0.5 14290 GY-BU
C21 - 52
CBP78 2TAD 0.35 14401 GY-BU
C1BB03 - R1-1
CDC30E 3TBD 0.5 14290 BU-GY
C21 - 54
CDC30D 2TAD 0.35 14401 BU-GY
MICRO
CDC41E 3TBD 0.5 14290 WH-BN
C21 - 53
CDC41 2TAD 0.35 14401 WH-BN
C1BB03 - R1-5
BATTERY
(+)
(-)
C1BB03 - F27-2
SBB27 3TBD 0.5 14290 BU-RD
S1BB27
SBB27A 2TAD 0.5 14290 BU-RD
SBB27B 2TAD 0.5 14290 BU-RD
C1ET02 - 1
C1ET02 - 31
VBAT1
VBAT2
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
F33
10A MINI
C1BB03 - F33-2
CBB33 3TBD 0.5 14290 WH-BN
C1ET02 - 33
ISP-R
C1BB03 - R1-2
1BB03
Engine Junction Box (EJB)
S1D121D
GD121AD 3TBD 0.5 14290 BK-YE
TO DATA TRANSFER HS-CAN HI
VDB04H 2TAD 0.5 14290 WH-BU
C1ET02 - 47
CAN-H
TO DATA TRANSFER HS-CAN LO
VDB05H 2TAD 0.5 14290 WH
C1ET02 - 48
CAN-L
GD121AC 3TBD 0.5 14290 BK-YE
CET18C 2TAD 0.35 14A005 GY-YE
C13 - 8
CET18B 2TAD 0.5 14290 GY-YE
C1ET02 - 58
SST-U
CET19C 2TAD 0.35 14A005 VT-GY
C13 - 9
CET19B 2TAD 0.5 14290 VT-GY
C1ET02 - 59
SST-D
CET44C 2TAD 0.35 14A005 BU-BN
C13 - 10
CET44B 2TAD 0.5 14290 BU-BN
C1ET02 - 40
SST-M
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
GD238B 2TAD 0.75 14290 BK-WH
C1ET02 - 9
PWRGND
GD238C 2TAD 0.75 14290 BK-WH
C1ET02 - 39
PWRGND2
GD238D 2TAD 0.75 14290 BK-WH
C1ET02 - 41
CSEGND
C33 - 5
C33 - 6
C33 - 7
GD238A 2TAD 1.0 14290 BK-WH
S1D238A
1ET02
Transmission
3ET42
Transmission Control Switch (TCS)
NIGHT DIMMING
12V
GND
SST-U
SST-D
SST-M
PN
NOT IN PARK
BTSI SOL
C3ET42 - 5
C3ET42 - 1
C3ET42 - 9
C3ET42 - 7
C3ET42 - 8
C3ET42 - 2
C3ET42 - 6
C3ET42 - 4
C3ET42 - 3
CET18A 2TAD 0.5 14B079 GY-YE
CET19A 2TAD 0.5 14B079 VT-GY
CET44A 2TAD 0.5 14B079 BU-BN
CET60B 2TAD 0.5 14B079 WH-GN
G2D238-A
COWL SIDE / PILLAR A RIGHT GROUND
G2D238
C33 - 8
CET60A 2TAD 0.35 14A005 WH-GN
C13 - 11
CET60 3TBD 0.5 14290 WH-GN
C1E108-A - 36
CPPS_BOT
A1_36
CDC41D 2TAD 0.5 14B079 WH-BN
C33 - 9
CDC41C 2TAD 0.35 14A005 WH-BN
C23 - 15
CDC41B 2TAD 0.35 14401 WH-BN
S2DC41
CDC41A 2TAD 0.35 14401 WH-BN
C2MC01 - 16
NOT IN PAR
CET53A 2TAD 0.5 14B079 BU-OG
C33 - 11
CET53 2TAD 0.35 14A005 BU-OG
GD343AB 2TAD 0.5 14B079 BK-VT
C33 - 12
GD345V 2TAD 0.35 14A005 BK-BU
S3D345B
GD345R 2TAE 0.75 14A005 BK-BU
G3D345-A
PILLAR B RIGHT GROUND
G3D345


C2BP02-B - 43
C2BP02-H - 3
2TAD 0.35
BU-GY
C2DC32 - 5
C2DC32 - 3
50
305
KEY IN
INHIBIT
Ignition Switch
C2DC32 - 4
SBP78 2TAD 0.5
14401 BN-RD
VBPWR
TSPC1
TRGND
SIGRTN
TFT
TRP
TSS-H
OSS-H
SS1
PC1
PC2
PC3
PC4
PC5
PC6
Control Module (TCM)
1ET13
Transmission Control Unit Solenoids
1E108
Powertrain Control Module (PCM)
2MC01
Instrument Cluster


2BP02
Central Junction Box (CJB)
P/W DCU & AT
W/O REAR SIDE WINDOW & AT
OR MANUAL REAR SIDE WINDOW & AT
OR P/W NON-DCU & AT
CBP60U 2TAD 0.5 14B079 YE-VT
C33 - 10
CBP60E 2TAD 0.5 14A005 YE-VT
S3BP60
CBP60 2TAD 0.5 14A005 YE-VT
CBP60AE 2TAD 0.5 14A005 YE-VT
C2BP02-G - 18
F60 10A
R13
INTERIOR LIGHT RLY
CONTROL
F78 5A MINI
CLN17U 2TAD 0.5 14B079 BN
C33 - 2
CLN17 2TAD 0.35 14A005 BN
C2BP02-B - 18
CDC21 2TAD 0.5 14290 GY-BN
C2BP02-F - 14
SBB02A 2TAD 6.0 14290 YE-RD
C2BP02-E - 1
SBB01A 2TAD 6.0 14290 RD
C2BP02-E - 2
R14 IGNITION RELAY
POWER MINI
C1BB03-A - 1
SDC02A 3SBD 25.0 14290 RD
C1BB03 - R14-2
C1BB03 - R14-1
SBB50 3TBD 0.5 14290 YE-RD
S1BB50
C1BB03 - F50-2
SBB50A 3TBD 0.5 14290 YE-RD
F50 5A MINI
C1BB03 - F2-2
SBB02 2TAD 8.0 14290 YE-RD
S1BB02
F2 60A JCASE
C1BB03 - F1-2
SBB01 2TAD 8.0 14290 RD
S1BB01
F1 60A JCASE
S2DC30
CDC30 14401
C1DC02A - 1
G1D108
BATTERY
C1BB03 - R1-3
CBP78A 3TBD 0.5 14290 GY-BU
C21 - 52
CBP78 2TAD 0.35 14401 GY-BU
R1 KEY INTERLOCK RELAY
C1BB03 - R1-1
CDC30E 3TBD 0.5 14290 BU-GY
C21 - 54
CDC30D 2TAD 0.35 14401 BU-GY
MICRO
CDC41E 3TBD 0.5 14290 WH-BN
C21 - 53
CDC41 2TAD 0.35 14401 WH-BN
C1BB03 - R1-5
C1BB03 - F27-2
SBB27 3TBD 0.5 14290 BU-RD
S1BB27
F27 10A MINI
SBB27A 2TAD 0.5 14290 BU-RD
SBB27B 2TAD 0.5 14290 BU-RD
C1ET02 - 1
C1ET02 - 31
VBAT1
VBAT2
C1BB03 - F33-2
CBB33 3TBD 0.5 14290 WH-BN
F33 10A MINI
C1ET02 - 33
ISP-R
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
C1BB03 - R1-2
1BB03
Engine Junction Box (EJB)
S1D121D
GD121AD 3TBD 0.5 14290 BK-YE
GD121AC 3TBD 0.5 14290 BK-YE
TO DATA TRANSFER HS-CAN HI
TO DATA TRANSFER HS-CAN LO
VDB04H 2TAD 0.5 14290 WH-BU
VDB05H 2TAD 0.5 14290 WH
C1ET02 - 47
C1ET02 - 48
CAN-H
CAN-L
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
CET18C 2TAD 0.35 14A005 GY-YE
C13 - 8
CET18B 2TAD 0.5 14290 GY-YE
C1ET02 - 58
SST-U
CET19C 2TAD 0.35 14A005 VT-GY
C13 - 9
CET19B 2TAD 0.5 14290 VT-GY
C1ET02 - 59
SST-D
CET44C 2TAD 0.35 14A005 BU-BN
C13 - 10
CET44B 2TAD 0.5 14290 BU-BN
C1ET02 - 40
SST-M
GD238B 2TAD 0.75 14290 BK-WH
GD238C 2TAD 0.75 14290 BK-WH
GD238D 2TAD 0.75 14290 BK-WH
C1ET02 - 9
C1ET02 - 39
C1ET02 - 41
PWRGND
PWRGND2
CSEGND
1ET02
Transmission
C33 - 5
C33 - 6
C33 - 7
GD238A 2TAD 1.0 14290 BK-WH
S1D238A
G2D238-A
COWL SIDE / PILLAR A RIGHT GROUND
G2D238
3ET42
Transmission Control Switch (TCS)
NIGHT DIMMING
12V
GND
SST-U
SST-D
SST-M
PN
NOT IN PARK
BTSI SOL
C3ET42 - 5
C3ET42 - 1
C3ET42 - 9
C3ET42 - 7
C3ET42 - 8
C3ET42 - 2
C3ET42 - 6
C3ET42 - 4
C3ET42 - 3
CET18A 2TAD 0.5 14B079 GY-YE
CET19A 2TAD 0.5 14B079 VT-GY
CET44A 2TAD 0.5 14B079 BU-BN
CET60B 2TAD 0.5 14B079 WH-GN
C33 - 8
CET60A 2TAD 0.35 14A005 WH-GN
C13 - 11
CET60 3TBD 0.5 14290 WH-GN
C1E108-A - 36
CPPS_BOT
A1_36
CDC41D 2TAD 0.5 14B079 WH-BN
C33 - 9
CDC41C 2TAD 0.35 14A005 WH-BN
C23 - 15
CDC41B 2TAD 0.35 14401 WH-BN
S2DC41
CDC41A 2TAD 0.35 14401 WH-BN
C2MC01 - 16
NOT IN PAR
CET53A 2TAD 0.5 14B079 BU-OG
C33 - 11
CET53 2TAD 0.35 14A005 BU-OG
GD343AB 2TAD 0.5 14B079 BK-VT
C33 - 12
GD343AA 2TAD 0.35 14A005 BK-VT
S3D343B
GD343J 2TAE 0.75 14A005 BK-VT
G3D343-A
PILLAR B LEFT GROUND
G3D343


C2BP02-B - 43
C2-43
C2BP02-H - 3
C8-3
2TAD 0.35
BU-GY
C2DC32 - 5
C2DC32 - 3
50
305
KEY IN
INHIBIT
Ignition Switch
C2DC32 - 4
SBP78 2TAD 0.5
14401 BN-RD
VBPWR
TSPC1
TRGND
SIGRTN
TFT
TRP
TSS-H
OSS-H
SS1
PC1
PC2
PC3
PC4
PC5
PC6
C1ET02 - 20
C1ET02 - 2
C1ET02 - 49
C1ET02 - 46
C1ET02 - 54
C1ET02 - 45
C1ET02 - 50
C1ET02 - 51
C1ET02 - 11
C1ET02 - 42
C1ET02 - 7
C1ET02 - 6
C1ET02 - 43
C1ET02 - 4
C1ET02 - 3
VET74A 3TBD 0.5 14290 BU
CET25A 3TBD 0.5 14290 BU-GN
RET24A 3TBD 0.5 14290 BN-BU
RE406A 3TBD 0.5 14290 GY-VT
VET27A 3TBD 0.5 14290 BN-YE
CET22A 3TBD 0.5 14290 GY-BN
VET33A 3TBD 0.5 14290 WH-BU
VET26A 3TBD 0.5 14290 BN-GN
CET45A 3TBD 0.5 14290 YE-BU
CET05A 3TBD 0.5 14290 BU-GN
CET06A 3TBD 0.5 14290 GN-BN
CET07A 3TBD 0.5 14290 GY-OG
CET08A 3TBD 0.5 14290 BN-WH
CET09A 3TBD 0.5 14290 YE-VT
CET10A 3TBD 0.5 14290 BU-GY
C11-D - 1
C11-D - 2
C11-D - 3
C11-D - 4
C11-D - 5
C11-D - 6
C11-D - 7
C11-D - 8
C11-D - 9
C11-D - 10
C11-D - 11
C11-D - 12
C11-D - 13
C11-D - 14
C11-D - 15
VET74 4TBD 0.5 14K039 BU
CET25 4TBD 0.5 14K039 BU-GN
RET24 4TBD 0.5 14K039 BN-BU
RE406 4TBD 0.5 14K039 GY-VT
VET27 4TBD 0.5 14K039 BN-YE
CET22 4TBD 0.5 14K039 GY-BN
VET33 4TBD 0.5 14K039 WH-BU
VET26 4TBD 0.5 14K039 BN-GN
CET45 4TBD 0.5 14K039 YE-BU
CET05 4TBD 0.5 14K039 BU-GN
CET06 4TBD 0.5 14K039 GN-BN
CET07 4TBD 0.5 14K039 GY-OG
CET08 4TBD 0.5 14K039 BN-WH
CET09 4TBD 0.5 14K039 YE-VT
CET10 4TBD 0.5 14K039 BU-GY
C1ET13 - 12 SILVER
C1ET13 - 7 SILVER
C1ET13 - 11 SILVER
C1ET13 - 5 SILVER
C1ET13 - 6 SILVER
C1ET13 - 4 SILVER
C1ET13 - 1 SILVER
C1ET13 - 15 SILVER
C1ET13 - 8 SILVER
C1ET13 - 9 SILVER
C1ET13 - 14 SILVER
C1ET13 - 13 SILVER
C1ET13 - 10 SILVER
C1ET13 - 16 SILVER
C1ET13 - 3 SILVER
VBPWR
TSPC
TRGND
SIGRTN
TFT
TRP
TSS-H
OSS-H
SS1
PC1
PC2
PC3
PC4
PC5
PC6
Control Module (TCM)
1ET13
Transmission Control Unit Solenoids
1E108
Powertrain Control Module (PCM)
2MC01
Instrument Cluster
K

Transmission Control Module (TCM) (G1404277)

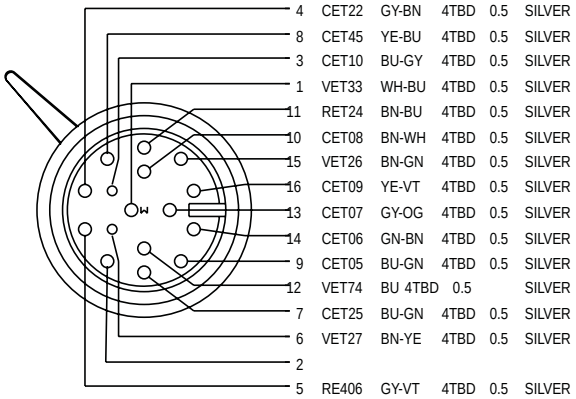


7C3T-14A464-AA(000)

C1ET02
TO TRANSMISSION CONTROL MODULE

HARNESS 14290

Transmission Control Unit Solenoids (G1405435)



2R8T-14A464-DB

C1ET13
TO TRANSMISSION CONNECTION (AUTO)

HARNESS 14K039

SECTION 307-05 Automatic Transmission/Transaxle External Controls

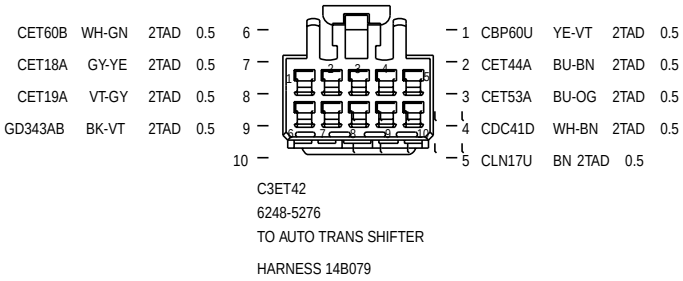
VEHICLE APPLICATION: 2012.0 Ranger

CONTENTS PAGE

ELECTRICAL CONNECTORS

Transmission Control Switch (TCS)..... 307-05-2

Transmission Control Switch (TCS) (G1404279)



SECTION 308-07 Four-Wheel Drive Systems

VEHICLE APPLICATION: 2012.0 Ranger

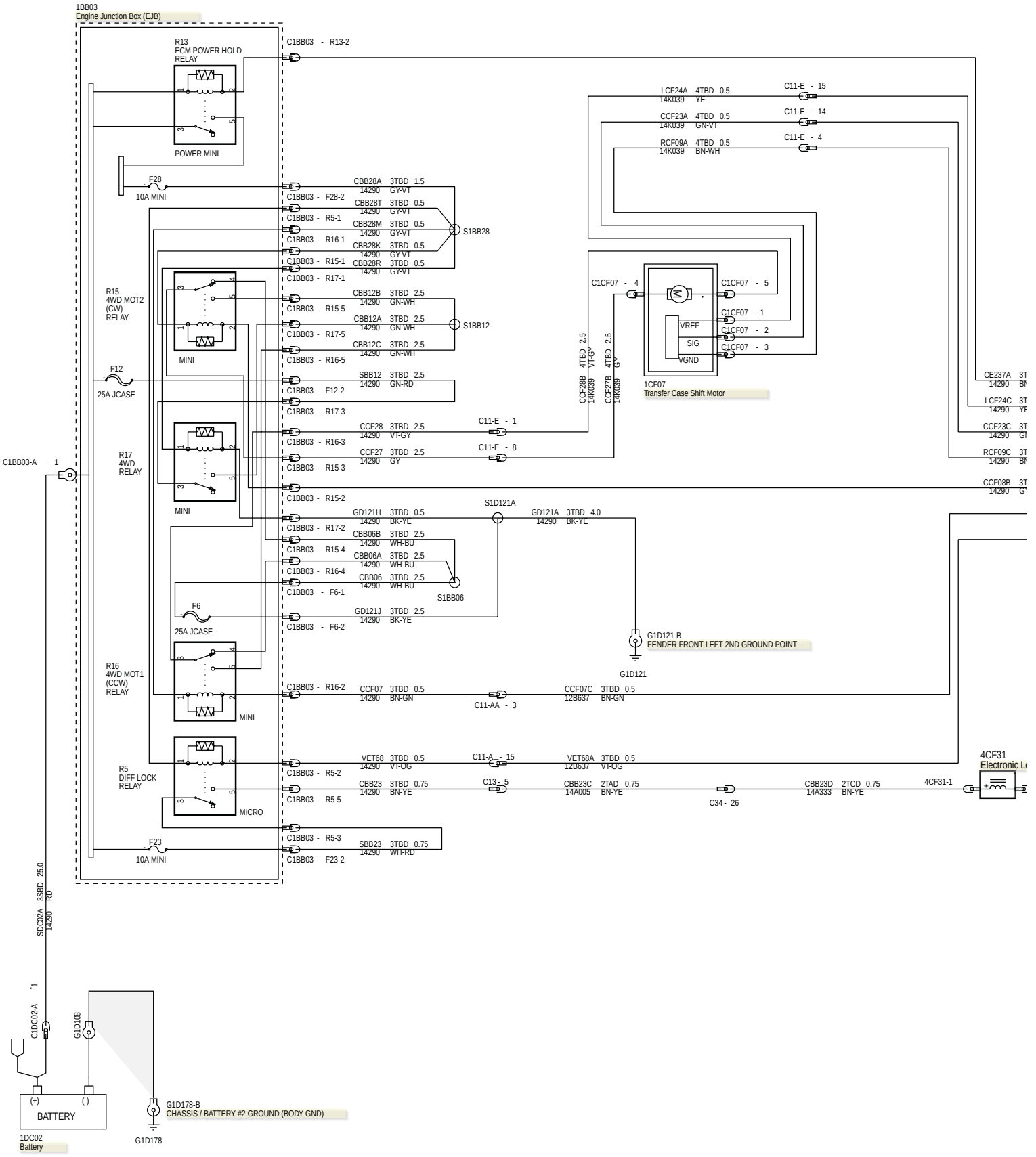
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ELECTRICAL SCHEMATICS

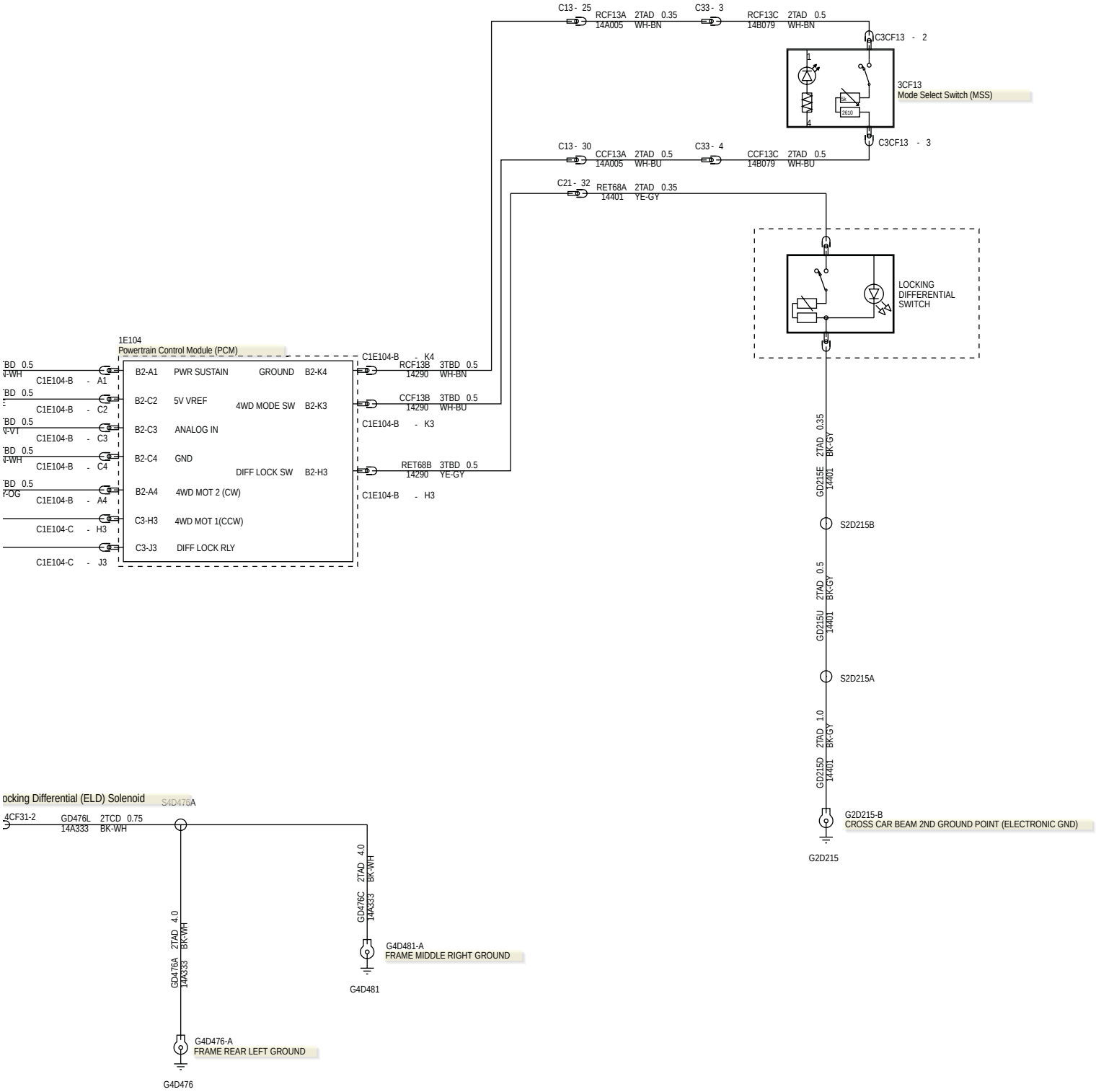
Four-Wheel Drive Systems — 2.5L Duratec-HE (122kW/165PS) - MI4, Vehicles With: Electronic Locking Differential (ELD)..... 308-07-2
Four-Wheel Drive Systems — 2.5L Duratec-HE (122kW/165PS) - MI4, Vehicles Without: Electronic Locking Differential (ELD)..... 308-07-4
Four-Wheel Drive Systems — 2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma/3.2L Duratorq-TDCi (148kW/200PS) - Puma, Vehicles With: Electronic Locking Differential (ELD)..... 308-07-6
Four-Wheel Drive Systems — 2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma/3.2L Duratorq-TDCi (148kW/200PS) - Puma, Vehicles Without: Electronic Locking Differential (ELD)..... 308-07-8

ELECTRICAL CONNECTORS

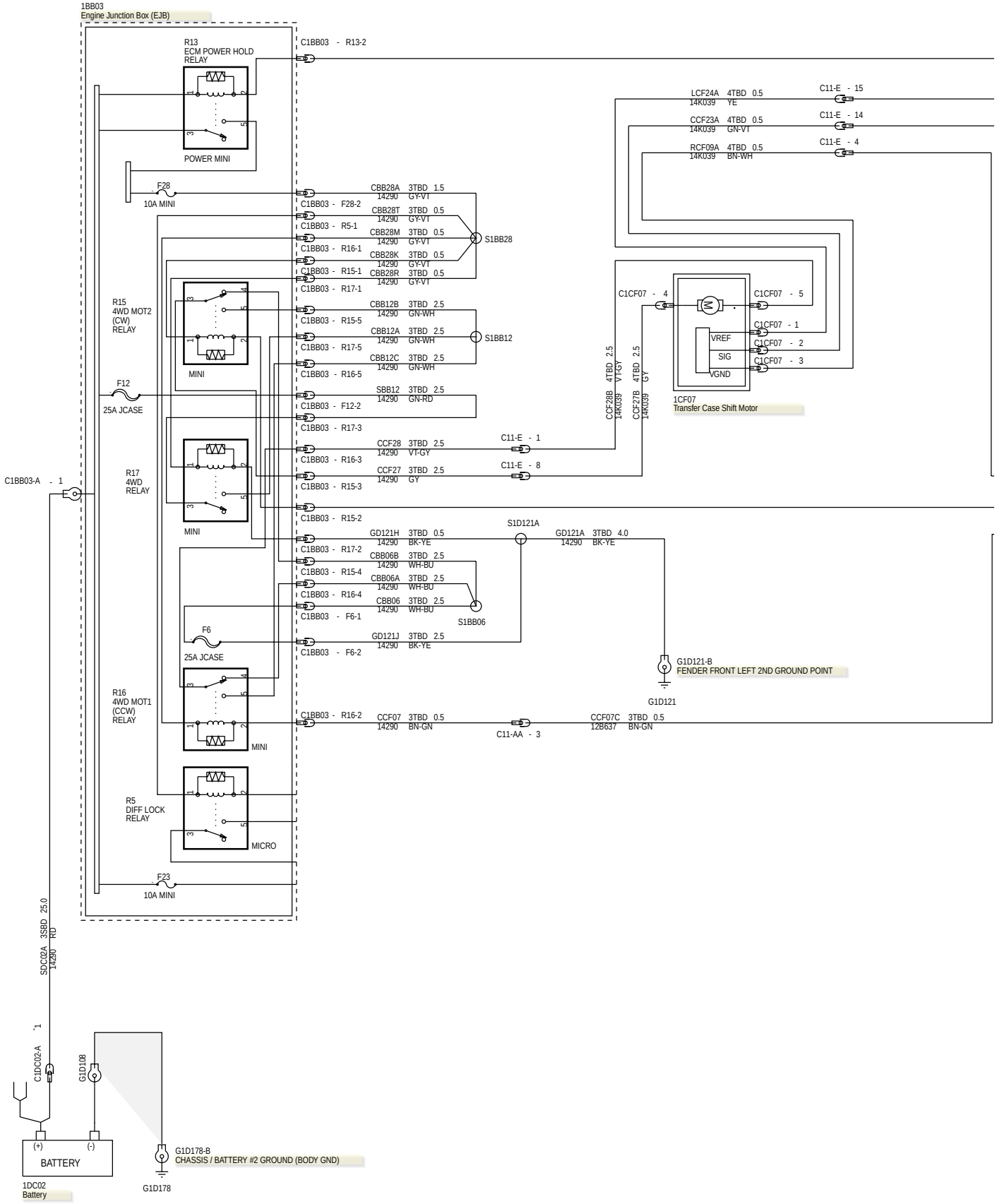
Mode Select Switch (MSS)..... 308-07-10
Transfer Case Shift Motor..... 308-07-10


1BB03
Engine Junction Box (EJB)
R13
ECM POWER HOLD RELAY
POWER MINI
F28
10A MINI
C1BB03 - R13-2
C1BB03 - F28-2
C1BB03 - R5-1
C1BB03 - R16-1
C1BB03 - R15-1
C1BB03 - R17-1
S1BB28
R15
4WD MOT2 (CW) RELAY
MINI
C1BB03 - R15-5
C1BB03 - R17-5
C1BB03 - R16-5
S1BB12
F12
25A JCASE
C1BB03 - F12-2
C1BB03 - R17-3
R17
4WD RELAY
MINI
C1BB03 - R16-3
C1BB03 - R15-3
C1BB03 - R15-2
C1BB03-A - 1
S1D121A
C1BB03 - R17-2
C1BB03 - R15-4
C1BB03 - R16-4
C1BB03 - F6-1
S1BB06
F6
25A JCASE
C1BB03 - F6-2
R16
4WD MOT1 (CCW) RELAY
MINI
C1BB03 - R16-2
R5
DIFF LOCK RELAY
MICRO
C1BB03 - R5-2
C1BB03 - R5-5
C1BB03 - R5-3
F23
10A MINI
C1BB03 - F23-2
LCF24A 4TBD 0.5
14K039 YE
CCF23A 4TBD 0.5
14K039 GN-VT
RCF09A 4TBD 0.5
14K039 BN-WH
C11-E - 15
C11-E - 14
C11-E - 4
C1CF07 - 4
C1CF07 - 5
C1CF07 - 1
C1CF07 - 2
C1CF07 - 3
VREF
SIG
VGND
1CF07
Transfer Case Shift Motor
CCF28B 4TBD 2.5
14K039 VT-GY
CCF27B 4TBD 2.5
14K039 GY
C11-E - 1
C11-E - 8
CE237A 3T
14290 BN
LCF24C 3T
14290 YE
CCF23C 3T
14290 GN
RCF09C 3T
14290 BN
CCF08B 3T
14290 GY
CCF28 3TBD 2.5
14290 VT-GY
CCF27 3TBD 2.5
14290 GY
GD121H 3TBD 0.5
14290 BK-YE
GD121A 3TBD 4.0
14290 BK-YE
CBB06B 3TBD 2.5
14290 WH-BU
CBB06A 3TBD 2.5
14290 WH-BU
CBB06 3TBD 2.5
14290 WH-BU
GD121J 3TBD 2.5
14290 BK-YE
G1D121-B
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
CCF07 3TBD 0.5
14290 BN-GN
C11-AA - 3
CCF07C 3TBD 0.5
12B637 BN-GN
VET68 3TBD 0.5
14290 VT-OG
C11-A - 15
VET68A 3TBD 0.5
12B637 VT-OG
CBB23 3TBD 0.75
14290 BN-YE
C13 - 5
CBB23C 2TAD 0.75
14A005 BN-YE
C34 - 26
CBB23D 2TCD 0.75
14A333 BN-YE
4CF31-1
4CF31
Electronic L
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
1DC02
Battery
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178

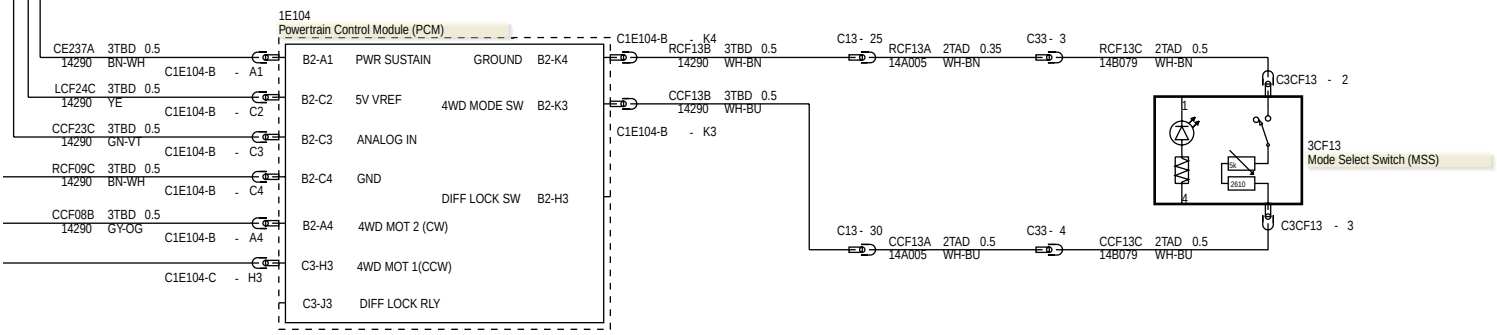
308-07-3 Four-Wheel Drive Systems—2.5L Duratec-HE (122kW/165PS) - MI4, Vehicles With: Electronic Locking Differential (ELD)

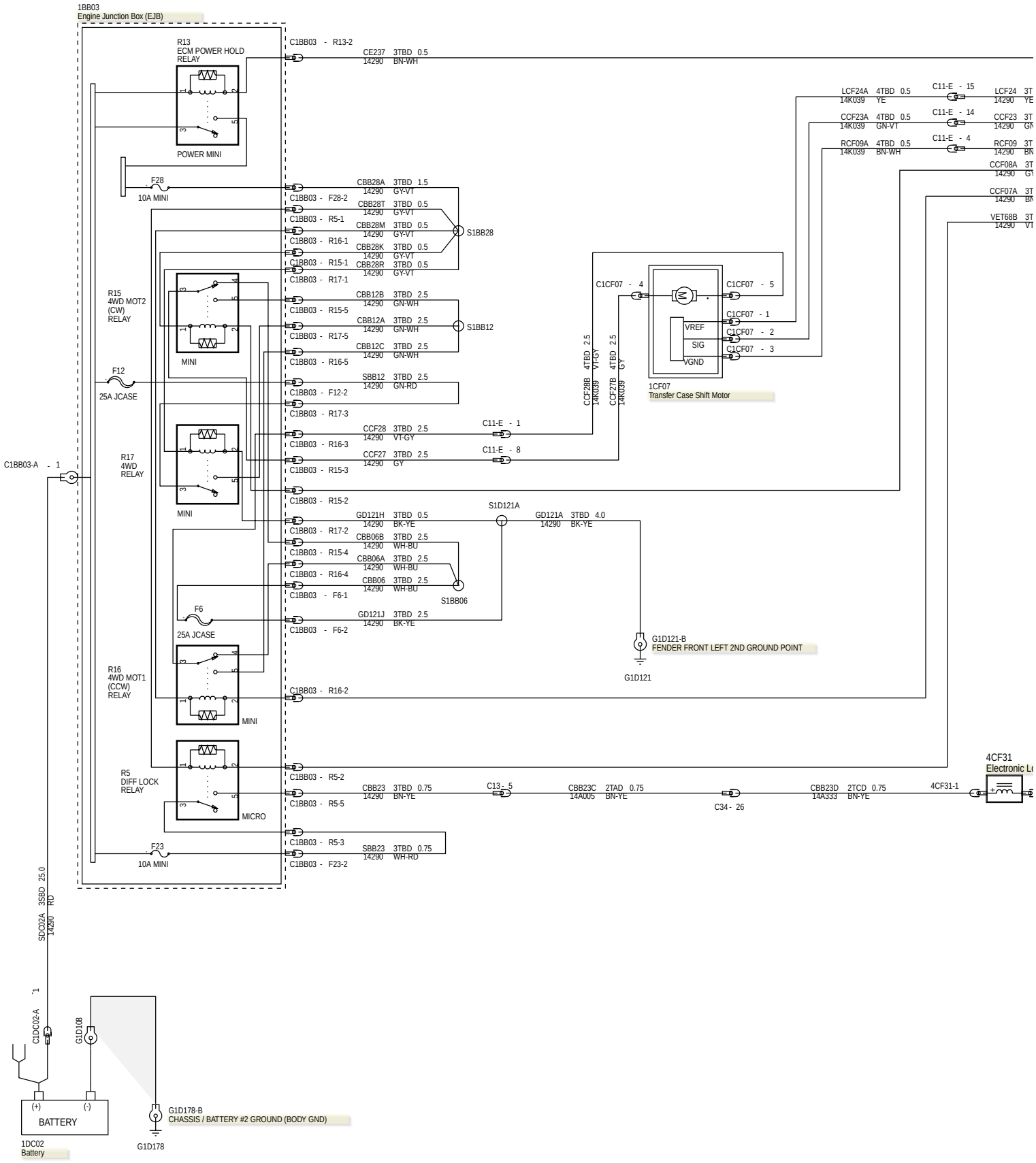


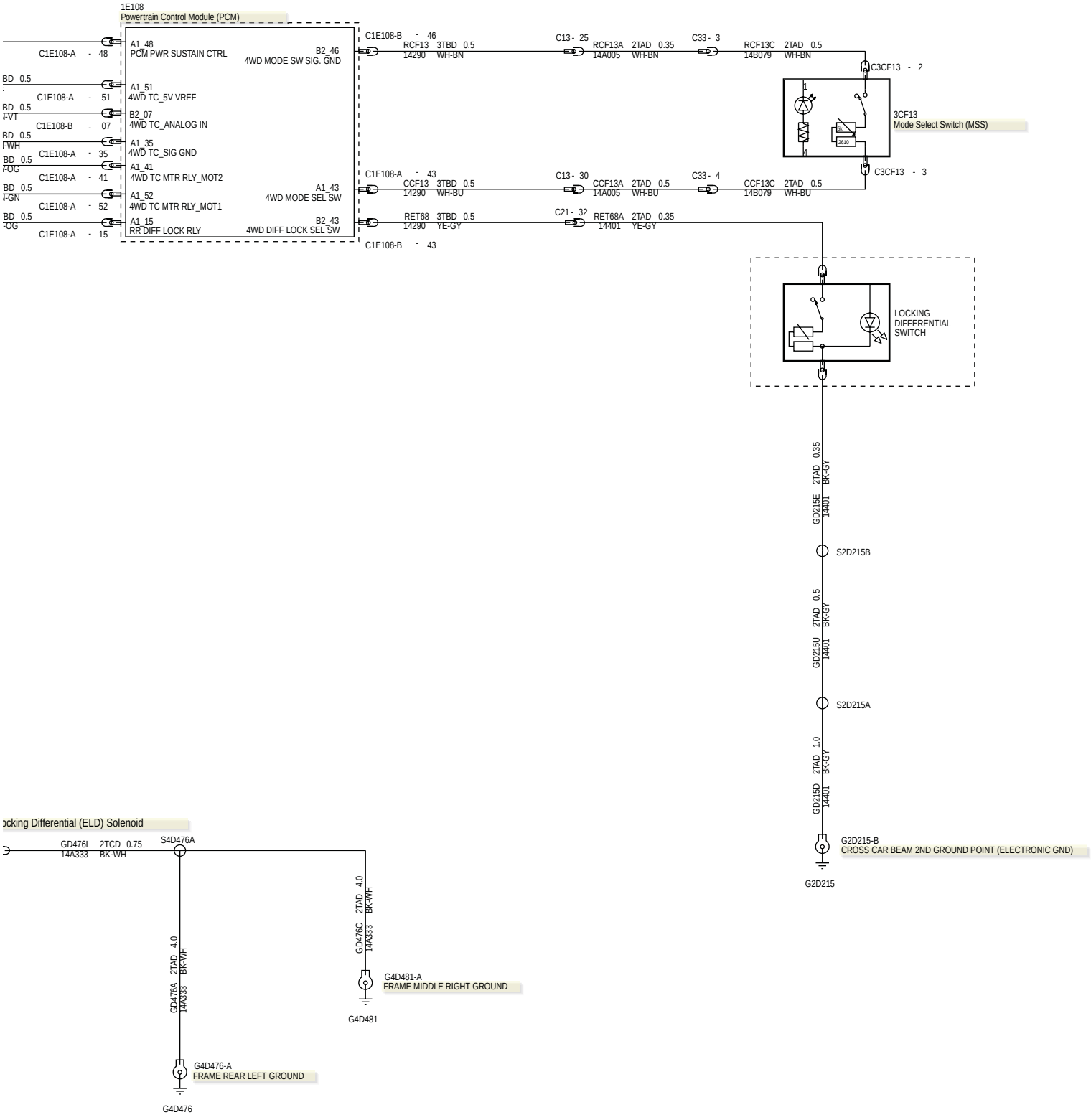
308-07-4 Four-Wheel Drive Systems—2.5L Duratec-HE (122kW/165PS) - MI4, Vehicles Without: Electronic Locking Differential (ELD)

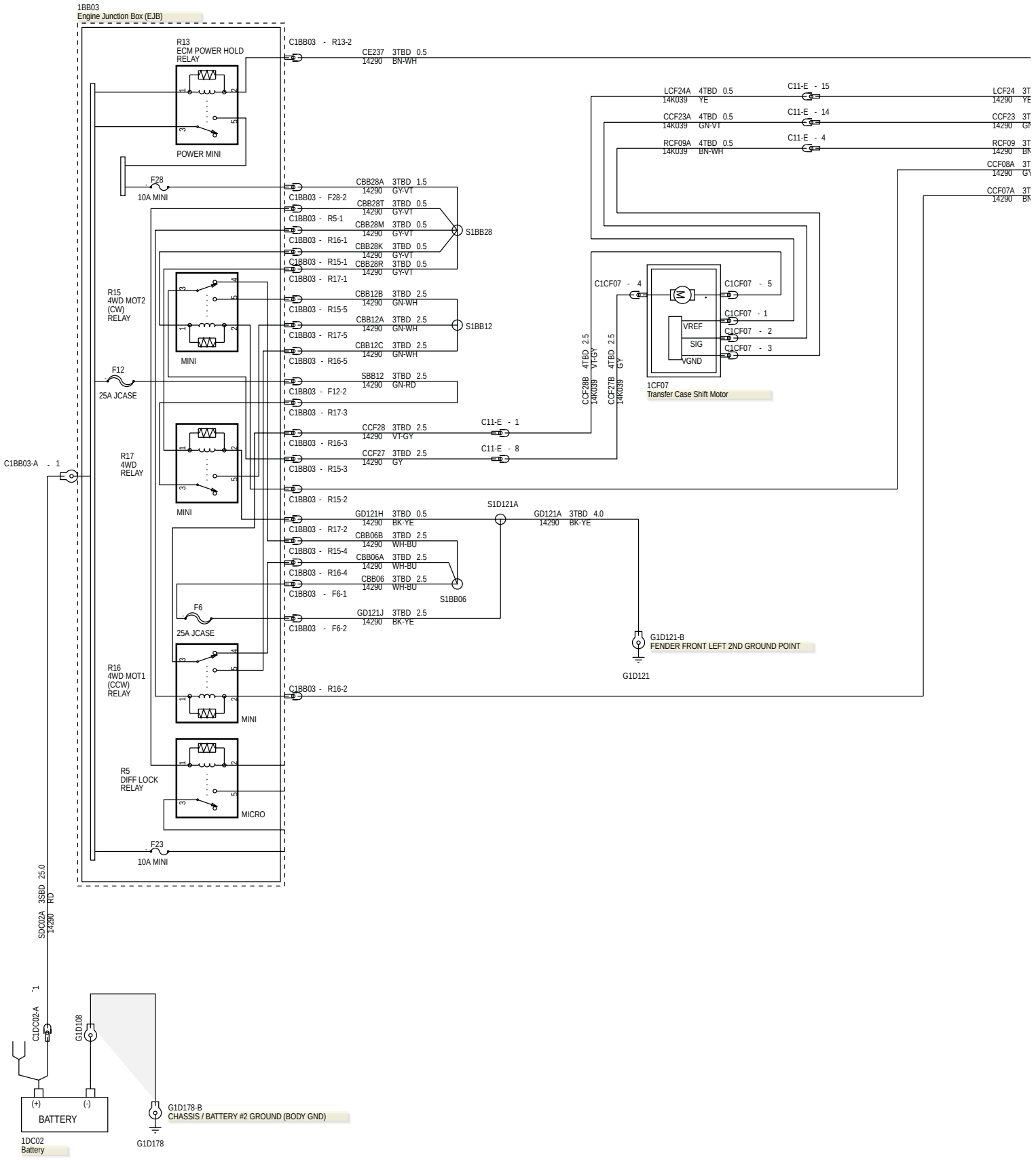


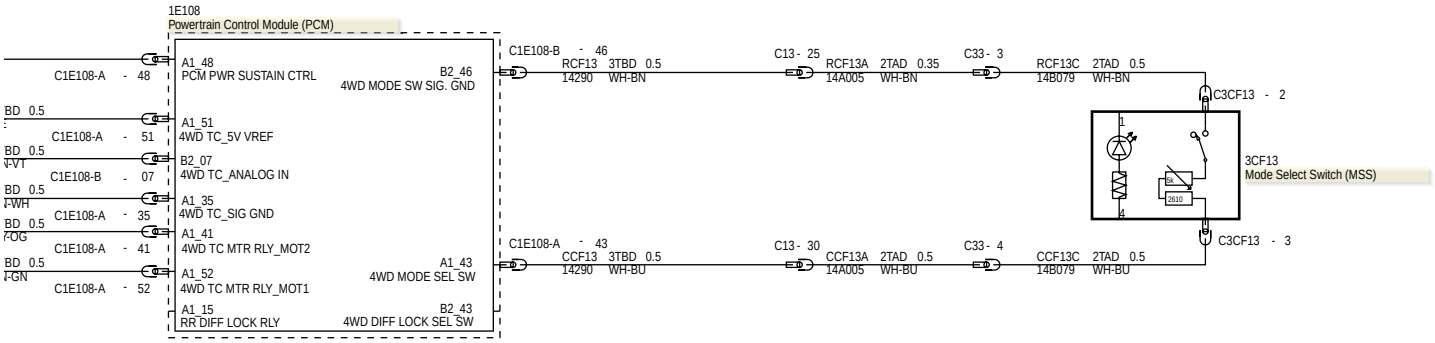
308-07-5 Four-Wheel Drive Systems—2.5L Duratec-HE (122kW/165PS) - MI4, Vehicles Without: Electronic Locking Differential (ELD)



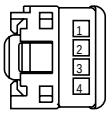

1BB03
Engine Junction Box (EJB)
R13
ECM POWER HOLD RELAY
POWER MINI
C1BB03 - R13-2
CE237 3TBD 0.5
14290 BN-WH
F28
10A MINI
CBB28A 3TBD 1.5
14290 GY-VT
C1BB03 - F28-2
CBB28T 3TBD 0.5
14290 GY-VT
C1BB03 - R5-1
CBB28M 3TBD 0.5
14290 GY-VT
C1BB03 - R16-1
CBB28K 3TBD 0.5
14290 GY-VT
C1BB03 - R15-1
CBB28R 3TBD 0.5
14290 GY-VT
S1BB28
C1BB03 - R17-1
R15
4WD MOT2 (CW) RELAY
MINI
CBB12B 3TBD 2.5
14290 GN-WH
C1BB03 - R15-5
CBB12A 3TBD 2.5
14290 GN-WH
C1BB03 - R17-5
CBB12C 3TBD 2.5
14290 GN-WH
S1BB12
C1BB03 - R16-5
F12
25A JCASE
SBB12 3TBD 2.5
14290 GN-RD
C1BB03 - F12-2
C1BB03 - R17-3
R17
4WD RELAY
MINI
CCF28 3TBD 2.5
14290 VT-GY
C1BB03 - R16-3
CCF27 3TBD 2.5
14290 GY
C1BB03 - R15-3
C1BB03 - R15-2
C1BB03-A - 1
C11-E - 1
C11-E - 8
CCF28B 4TBD 2.5
14K039 VT-GY
CCF27B 4TBD 2.5
14K039 GY
C1CF07 - 4
C1CF07 - 5
C1CF07 - 1
C1CF07 - 2
C1CF07 - 3
VREF
SIG
VGND
1CF07
Transfer Case Shift Motor
LCF24A 4TBD 0.5
14K039 YE
CCF23A 4TBD 0.5
14K039 GN-VT
RCF09A 4TBD 0.5
14K039 BN-WH
C11-E - 15
C11-E - 14
C11-E - 4
LCF24 3T
14290 YE
CCF23 3T
14290 GN
RCF09 3T
14290 BN
CCF08A 3T
14290 GY
CCF07A 3T
14290 BN
VET68B 3T
14290 VT
S1D121A
GD121H 3TBD 0.5
14290 BK-YE
GD121A 3TBD 4.0
14290 BK-YE
C1BB03 - R17-2
CBB06B 3TBD 2.5
14290 WH-BU
C1BB03 - R15-4
CBB06A 3TBD 2.5
14290 WH-BU
C1BB03 - R16-4
CBB06 3TBD 2.5
14290 WH-BU
S1BB06
C1BB03 - F6-1
F6
25A JCASE
GD121J 3TBD 2.5
14290 BK-YE
C1BB03 - F6-2
G1D121-B
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
R16
4WD MOT1 (CCW) RELAY
MINI
C1BB03 - R16-2
R5
DIFF LOCK RELAY
MICRO
C1BB03 - R5-2
C1BB03 - R5-5
CBB23 3TBD 0.75
14290 BN-YE
C13 - 5
CBB23C 2TAD 0.75
14A005 BN-YE
C34 - 26
CBB23D 2TCD 0.75
14A333 BN-YE
4CF31-1
4CF31
Electronic Lo
C1BB03 - R5-3
F23
10A MINI
SBB23 3TBD 0.75
14290 WH-RD
C1BB03 - F23-2
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
1DC02
Battery
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178


1E108
Powertrain Control Module (PCM)
C1E108-A - 48
A1_48
PCM PWR SUSTAIN CTRL
B2_46
4WD MODE SW SIG. GND
C1E108-B - 46
RCF13 3TBD 0.5
14290 WH-BN
C13 - 25
RCF13A 2TAD 0.35
14A005 WH-BN
C33 - 3
RCF13C 2TAD 0.5
14B079 WH-BN
C3CF13 - 2
3CF13
Mode Select Switch (MSS)
C3CF13 - 3
C1E108-A - 51
A1_51
4WD TC_5V VREF
C1E108-B - 07
B2_07
4WD TC_ANALOG IN
C1E108-A - 35
A1_35
4WD TC_SIG GND
C1E108-A - 41
A1_41
4WD TC MTR RLY_MOT2
C1E108-A - 52
A1_52
4WD TC MTR RLY_MOT1
A1_43
4WD MODE SEL SW
C1E108-A - 43
CCF13 3TBD 0.5
14290 WH-BU
C13 - 30
CCF13A 2TAD 0.5
14A005 WH-BU
C33 - 4
CCF13C 2TAD 0.5
14B079 WH-BU
C1E108-A - 15
A1_15
RR DIFF LOCK RLY
B2_43
4WD DIFF LOCK SEL SW
C1E108-B - 43
RET68 3TBD 0.5
14290 YE-GY
C21 - 32
RET68A 2TAD 0.35
14401 YE-GY
LOCKING
DIFFERENTIAL
SWITCH
GD215E 14401 2TAD 0.35 BK-GY
S2D215B
GD215U 14401 2TAD 0.5 BK-GY
S2D215A
GD215D 14401 2TAD 1.0 BK-GY
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
ocking Differential (ELD) Solenoid
GD476L 14A333 2TCD 0.75 BK-WH
S4D476A
GD476A 14A333 2TAD 4.0 BK-WH
G4D476-A
FRAME REAR LEFT GROUND
G4D476
GD476C 14A333 2TAD 4.0 BK-WH
G4D481-A
FRAME MIDDLE RIGHT GROUND
G4D481


1BB03
Engine Junction Box (EJB)
R13
ECM POWER HOLD RELAY
POWER MINI
C1BB03 - R13-2
CE237 3TBD 0.5
14290 BN-WH
F28
10A MINI
CBB28A 3TBD 1.5
14290 GY-VT
C1BB03 - F28-2
CBB28T 3TBD 0.5
14290 GY-VT
C1BB03 - R5-1
CBB28M 3TBD 0.5
14290 GY-VT
C1BB03 - R16-1
CBB28K 3TBD 0.5
14290 GY-VT
C1BB03 - R15-1
CBB28R 3TBD 0.5
14290 GY-VT
S1BB28
C1BB03 - R17-1
R15
4WD MOT2 (CW) RELAY
MINI
CBB12B 3TBD 2.5
14290 GN-WH
C1BB03 - R15-5
CBB12A 3TBD 2.5
14290 GN-WH
C1BB03 - R17-5
S1BB12
CBB12C 3TBD 2.5
14290 GN-WH
C1BB03 - R16-5
F12
25A JCASE
SBB12 3TBD 2.5
14290 GN-RD
C1BB03 - F12-2
C1BB03 - R17-3
R17
4WD RELAY
MINI
CCF28 3TBD 2.5
14290 VT-GY
C1BB03 - R16-3
CCF27 3TBD 2.5
14290 GY
C1BB03 - R15-3
C1BB03 - R15-2
C1BB03-A - 1
GD121H 3TBD 0.5
14290 BK-YE
C1BB03 - R17-2
S1D121A
GD121A 3TBD 4.0
14290 BK-YE
CBB06B 3TBD 2.5
14290 WH-BU
C1BB03 - R15-4
CBB06A 3TBD 2.5
14290 WH-BU
C1BB03 - R16-4
CBB06 3TBD 2.5
14290 WH-BU
C1BB03 - F6-1
S1BB06
F6
25A JCASE
GD121J 3TBD 2.5
14290 BK-YE
C1BB03 - F6-2
G1D121-B
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
R16
4WD MOT1 (CCW) RELAY
MINI
C1BB03 - R16-2
R5
DIFF LOCK RELAY
MICRO
F23
10A MINI
C11-E - 15
LCF24A 4TBD 0.5
14K039 YE
C11-E - 14
CCF23A 4TBD 0.5
14K039 GN-VT
C11-E - 4
RCF09A 4TBD 0.5
14K039 BN-WH
C1CF07 - 4
C1CF07 - 5
C1CF07 - 1
C1CF07 - 2
C1CF07 - 3
VREF
SIG
VGND
1CF07
Transfer Case Shift Motor
CCF28B 4TBD 2.5
14K039 VT-GY
CCF27B 4TBD 2.5
14K039 GY
C11-E - 1
C11-E - 8
SDC02A 3SBD 25.0
14290 RD
C1DC02-A :1
G1D108
(+)
(-)
BATTERY
1DC02
Battery
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178


1E108
Powertrain Control Module (PCM)
C1E108-A - 48
A1_48
PCM PWR SUSTAIN CTRL
B2_46
4WD MODE SW SIG. GND
C1E108-B - 46
RCF13 3TBD 0.5
14290 WH-BN
C13 - 25
RCF13A 2TAD 0.35
14A005 WH-BN
C33 - 3
RCF13C 2TAD 0.5
14B079 WH-BN
C3CF13 - 2
BD 0.5
C1E108-A - 51
A1_51
4WD TC_5V VREF
BD 0.5
VT
C1E108-B - 07
B2_07
4WD TC_ANALOG IN
BD 0.5
WH
C1E108-A - 35
A1_35
4WD TC_SIG GND
BD 0.5
OG
C1E108-A - 41
A1_41
4WD TC MTR RLY_MOT2
BD 0.5
GN
C1E108-A - 52
A1_52
4WD TC MTR RLY_MOT1
A1_43
4WD MODE SEL SW
A1_15
RR DIFF LOCK RLY
B2_43
4WD DIFF LOCK SEL SW
C1E108-A - 43
CCF13 3TBD 0.5
14290 WH-BU
C13 - 30
CCF13A 2TAD 0.5
14A005 WH-BU
C33 - 4
CCF13C 2TAD 0.5
14B079 WH-BU
C3CF13 - 3
1
4
3CF13
Mode Select Switch (MSS)

Mode Select Switch (MSS) (G1405439)



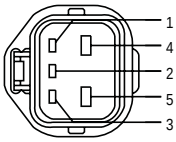
1	GD343AD	BK-VT	2TAD	0.5	
2	RCF13C	WH-BN	2TAD	0.5	
3	CCF13C	WH-BU	2TAD	0.5	
4	CLN17S	BN	2TAD	0.5	

1L2T-14489-GC

C3CF13
TO 4WD MODE SWITCH

HARNESS 14B079

Transfer Case Shift Motor (G1405440)



1	LCF24A	YE	4TBD	0.5
4	CCF27B	GY	4TBD	2.5
2	CCF23A	GN-VT	4TBD	0.5
5	CCF28B	VT-GY	4TBD	2.5
3	RCF09A	BN-WH	4TBD	0.5

4W7T-14A464-AA

C1CF07
TO 4WD TRANSFER CASE

HARNESS 14K039

SECTION 309-00 Exhaust System — 2.2L Duratorq-TDCi (Puma) Diesel/3.2L Duratorq-TDCi (Puma) Diesel

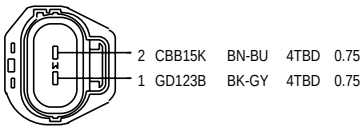
VEHICLE APPLICATION: 2012.0 Ranger

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ELECTRICAL CONNECTORS

Fuel Vaporizer System Glow Plug..... 309-00-2
Fuel Vaporizer System Fuel Pump..... 309-00-2

Fuel Vaporizer System Glow Plug (G1404284)

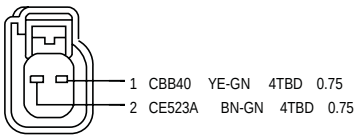


97BG-14A464-VBB

C1E156
TO FLYLEAD VAPOURISER GLOW PLUG

HARNESS 14K039

Fuel Vaporizer System Fuel Pump (G1404285)



AU5T-14A464-PA

C1E523
TO VAPOURISER PUMP

HARNESS 14K039

SECTION 310-00A Fuel System - General Information

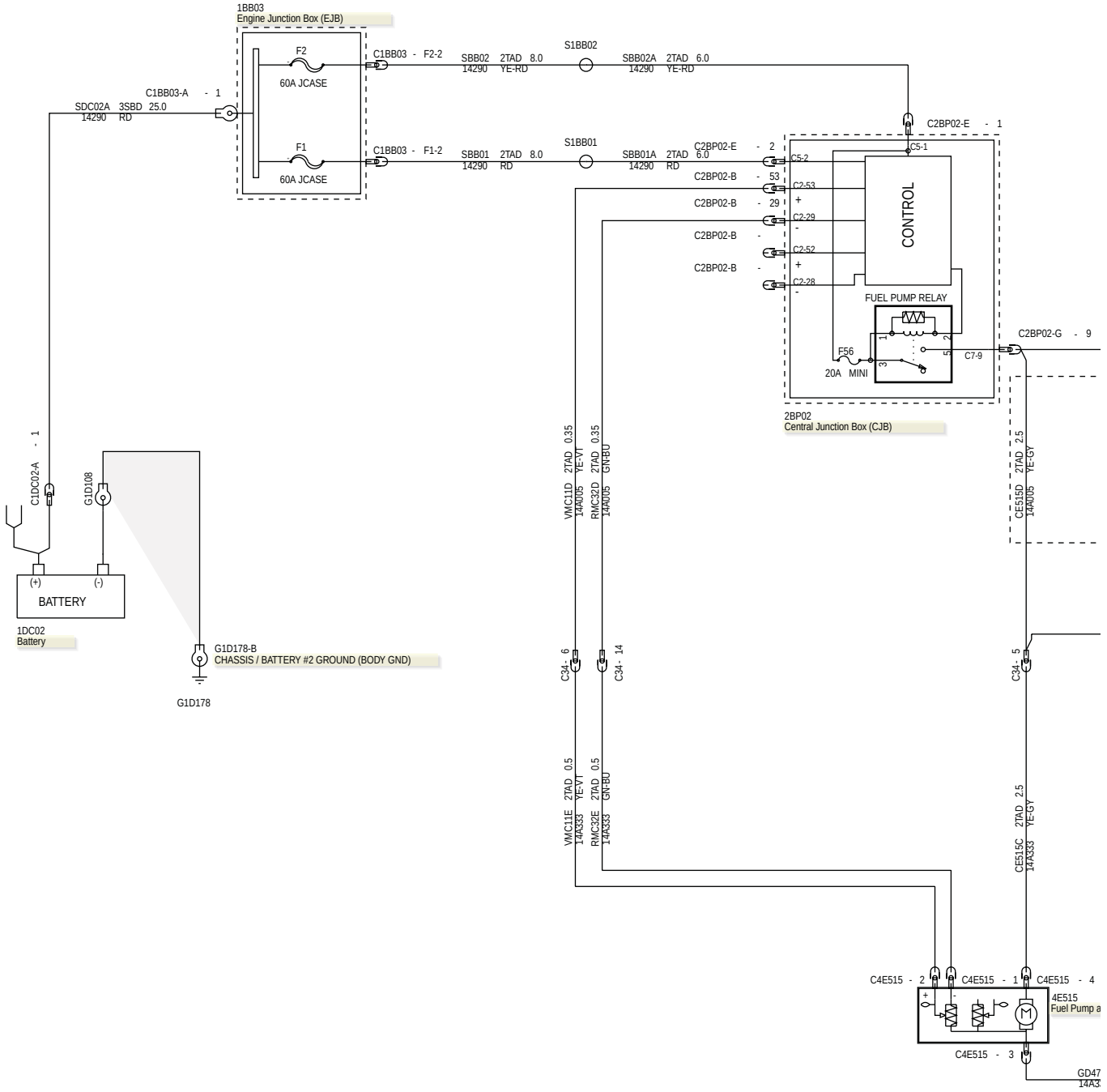
— 2.5L Duratec-HE (122kW/165PS) - MI4

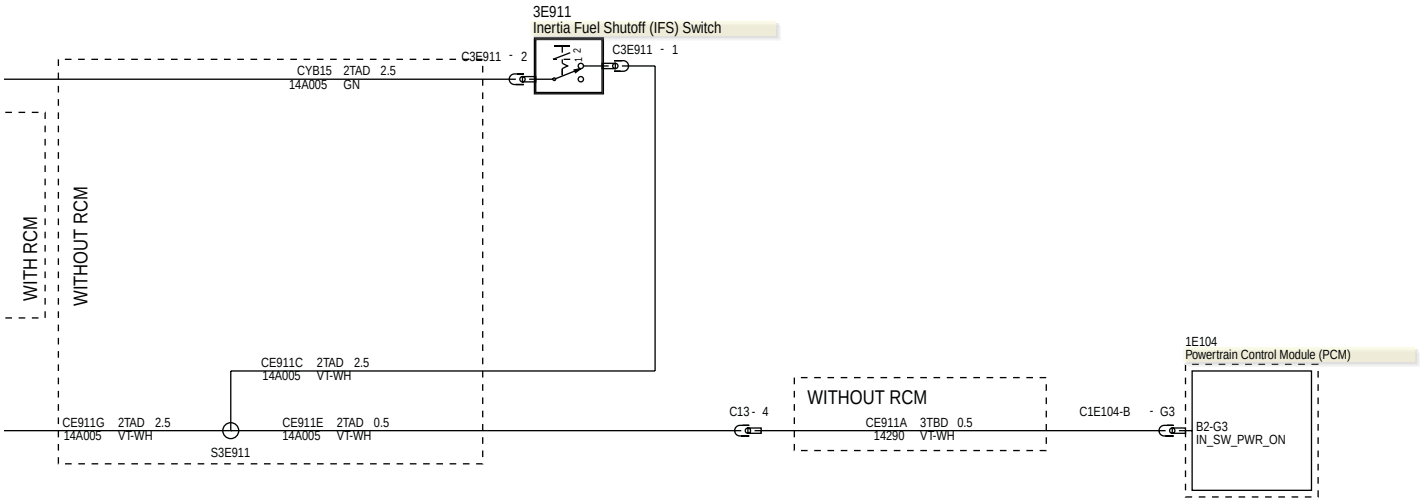
VEHICLE APPLICATION: 2012.0 Ranger

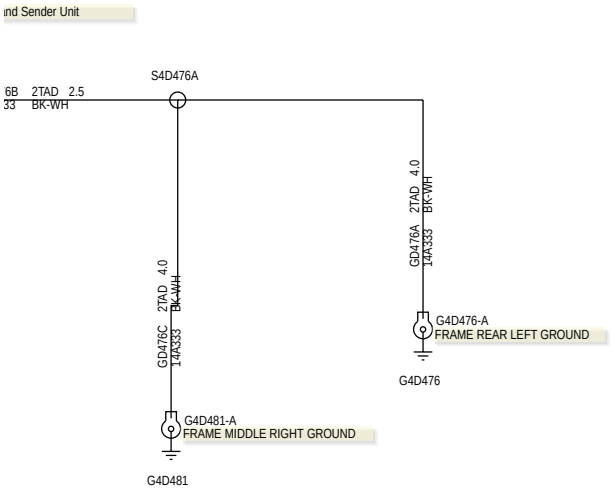
CONTENTS PAGE

ELECTRICAL SCHEMATICS

Fuel Supply..... 310-00A-2


1BB03
Engine Junction Box (EJB)
F2
60A JCASE
F1
60A JCASE
C1BB03 - F2-2
C1BB03 - F1-2
C1BB03-A - 1
SDC02A 3SBD 25.0
14290 RD
SBB02 2TAD 8.0
14290 YE-RD
SBB01 2TAD 8.0
14290 RD
S1BB02
S1BB01
SBB02A 2TAD 6.0
14290 YE-RD
SBB01A 2TAD 6.0
14290 RD
C2BP02-E - 1
C2BP02-E - 2
C5-1
C5-2
C2BP02-B - 53
C2-53
C2BP02-B - 29
C2-29
C2BP02-B -
C2-52
C2BP02-B -
C2-28
CONTROL
FUEL PUMP RELAY
F56
20A MINI
C7-9
C2BP02-G - 9
2BP02
Central Junction Box (CJB)
C1DC02A - 1
G1D108
(+)
(-)
BATTERY
1DC02
Battery
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
VMC11D 2TAD 0.35
14A005 YE-V1
RMC32D 2TAD 0.35
14A005 GN-BU
CE515D 2TAD 2.5
14A005 YE-GY
C34 - 6
C34 - 14
C34 - 5
VMC11E 2TAD 0.5
14A333 YE-V1
RMC32E 2TAD 0.5
14A333 GN-BU
CE515C 2TAD 2.5
14A333 YE-GY
C4E515 - 2
C4E515 - 1
C4E515 - 4
C4E515 - 3
4E515
Fuel Pump a
GD47
14A3


3E911
Inertia Fuel Shutoff (IFS) Switch
C3E911 - 2
C3E911 - 1
CYB15 2TAD 2.5
14A005 GN
WITH RCM
WITHOUT RCM
CE911C 2TAD 2.5
14A005 VT-WH
CE911G 2TAD 2.5
14A005 VT-WH
S3E911
CE911E 2TAD 0.5
14A005 VT-WH
C13 - 4
WITHOUT RCM
CE911A 3TBD 0.5
14290 VT-WH
C1E104-B - G3
1E104
Powertrain Control Module (PCM)
B2-G3
IN_SW_PWR_ON


nd Sender Unit
S4D476A
6B 2TAD 2.5
33 BK-WH
GD476C 2TAD 4.0
14A333 BK-WH
GD476A 2TAD 4.0
14A333 BK-WH
G4D476-A
FRAME REAR LEFT GROUND
G4D476
G4D481-A
FRAME MIDDLE RIGHT GROUND
G4D481

SECTION 310-00B Fuel System - General Information

— 2.2L Duratorq-TDCi (Puma) Diesel/3.2L Duratorq-TDCi (Puma) Diesel

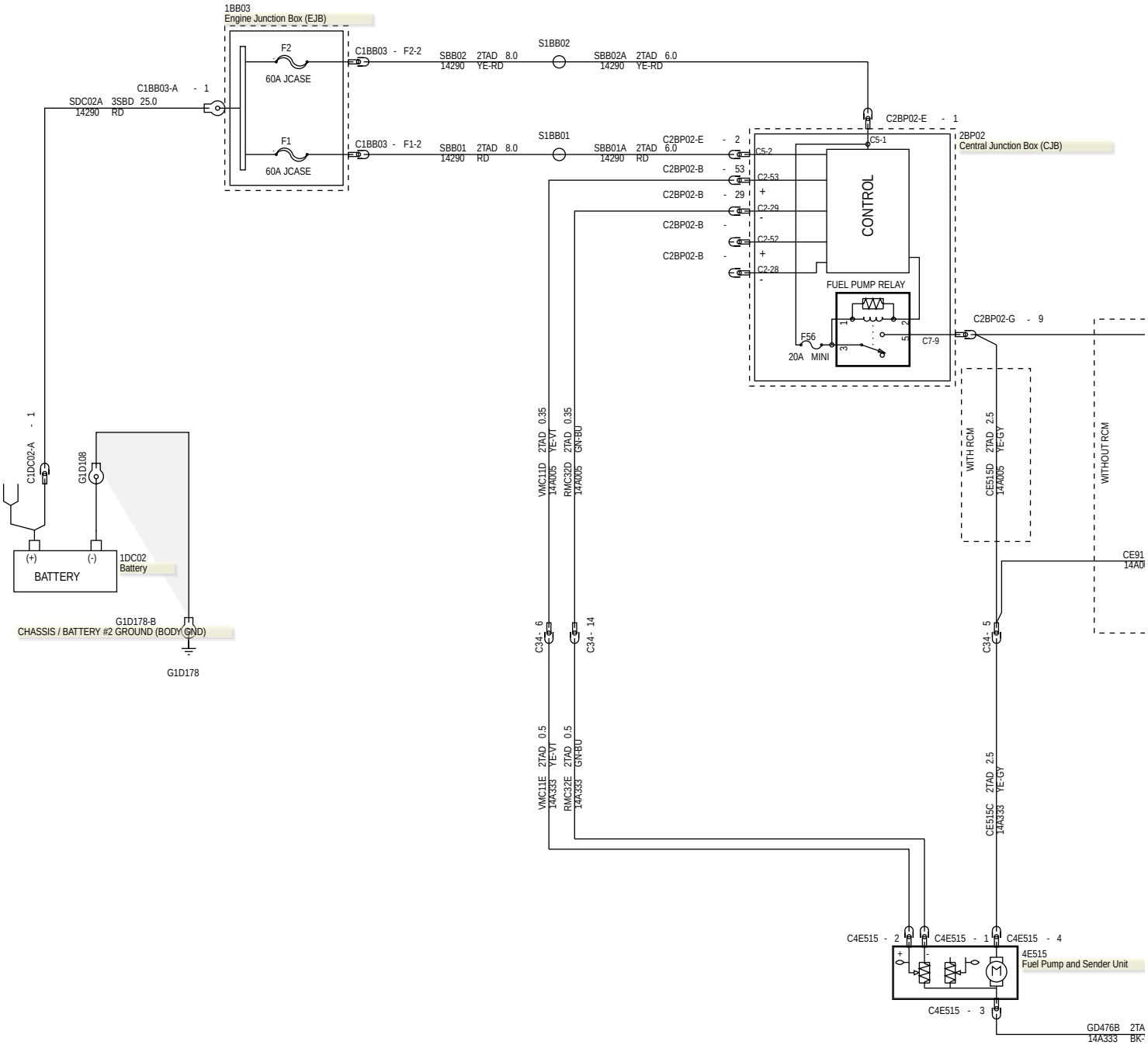
VEHICLE APPLICATION: 2012.0 Ranger

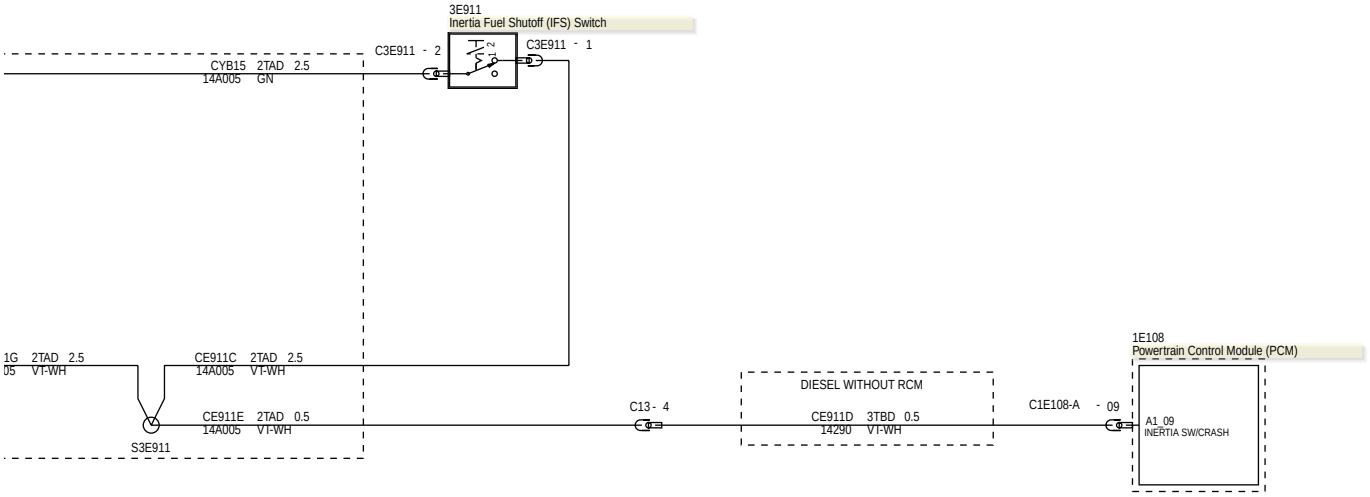
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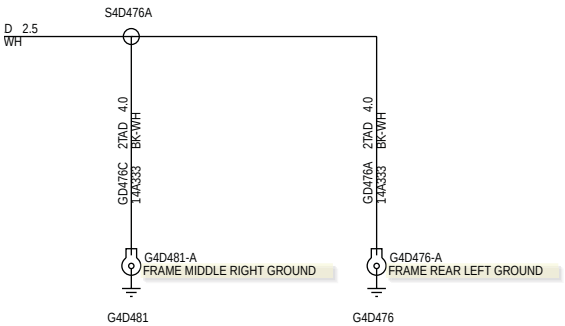
ELECTRICAL SCHEMATICS

Fuel Supply..... 310-00B-2

310-00B-2 Fuel Supply




3E911
Inertia Fuel Shutoff (IFS) Switch
C3E911 - 2
C3E911 - 1
CYB15 2TAD 2.5
14A005 GN
1G 2TAD 2.5
05 VT-WH
CE911C 2TAD 2.5
14A005 VT-WH
CE911E 2TAD 0.5
14A005 VT-WH
S3E911
C13 - 4
DIESEL WITHOUT RCM
CE911D 3TBD 0.5
14290 VT-WH
C1E108-A - 09
1E108
Powertrain Control Module (PCM)
A1_09
INERTIA SW/CRASH


S4D476A
D 2.5
WH
GD476C 2TAD 4.0
14A333 BK-WH
GD476A 2TAD 4.0
14A333 BK-WH
G4D481-A
FRAME MIDDLE RIGHT GROUND
G4D476-A
FRAME REAR LEFT GROUND
G4D481
G4D476

SECTION 310-01A Fuel Tank and Lines

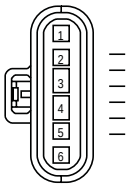
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Fuel Pump and Sender Unit..... 310-01A-2
Fuel Level Sensor — A..... 310-01A-2
Inertia Fuel Shutoff (IFS) Switch..... 310-01A-2

Fuel Pump and Sender Unit (G1404288)



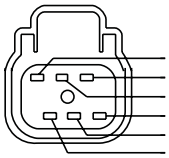
1	RMC32E	GN-BU	2TAD	0.5	+	RMC32A	GN-BU	2TAD	0.5
2	VMC11E	YE-VT	2TAD	0.5	+	VMC11A	YE-VT	2TAD	0.5
3	GD476B	BK-WH	2TAD	2.5					
4	CE515A	YE-GY	2TAD	2.5	+	CE515C	YE-GY	2TAD	2.5
5									
6									

3M5T-14A464-DGB

C4E515
TO FUEL DELIVERY MODULE

HARNESS 14A333

Fuel Level Sensor—A (G1414537)



3	CE930A	WH-GN	3TBD	0.75
1	CBB15	BN-BU	3TBD	0.75
2	VE724	GY	3TBD	0.5
4	CBB22K	GN-OG	3TBD	0.75
5	VMC04AA	GY-BN	3TBD	0.5
6	GD121L	BK-YE	3TBD	0.75

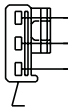
YC1T-14A464-EA

C1E724-A

TO FLYLEAD FLEX FUEL

HARNESS 14290

Inertia Fuel Shutoff (IFS) Switch (G1405442)



3				
2	CYB15	GN	2TAD	2.5
1	CE911C	VT-WH	2TAD	2.5

E8AB-14489-AA

C3E911

TO FUEL CUTOFF SWITCH

HARNESS 14A005

SECTION 310-01B Fuel Tank and Lines — 2.2L Duratorq-TDCi (Puma) Diesel/3.2L Duratorq-TDCi (Puma) Diesel

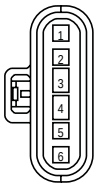
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ELECTRICAL CONNECTORS

Fuel Pump and Sender Unit..... 310-01B-2
Inertia Fuel Shutoff (IFS) Switch..... 310-01B-2
Water-in-Fuel Sensor..... 310-01B-2

Fuel Pump and Sender Unit (G1404288)

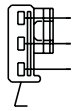


1	RMC32E	GN-BU	2TAD	0.5	+	RMC32A	GN-BU	2TAD	0.5
2	VMC11E	YE-VT	2TAD	0.5	+	VMC11A	YE-VT	2TAD	0.5
3	GD476B	BK-WH	2TAD	2.5					
4	CE515A	YE-GY	2TAD	2.5	+	CE515C	YE-GY	2TAD	2.5
5									
6									

3M5T-14A464-DGB

C4E515
TO FUEL DELIVERY MODULE
HARNESS 14A333

Inertia Fuel Shutoff (IFS) Switch (G1405442)

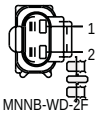


3				
2	CYB15	GN	2TAD	2.5
1	CE911C	VT-WH	2TAD	2.5

E8AB-14489-AA

C3E911
TO FUEL CUTOFF SWITCH
HARNESS 14A005

Water-in-Fuel Sensor (G1404289)



1	VE823A	BU-BN	3TBD	0.5
2	GD122G	BK	3TBD	0.5

:]

MNNB-WD-2F

C1E823
TO FUEL FILTER
HARNESS 14290

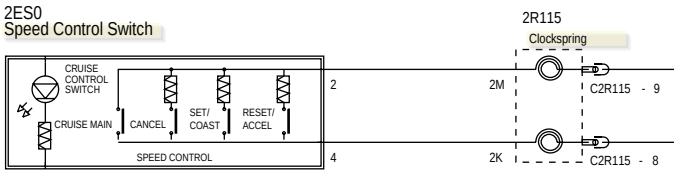
SECTION 310-03 Speed Control

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ELECTRICAL SCHEMATICS

Speed Control..... 310-03-2


2ES0
Speed Control Switch
CRUISE CONTROL SWITCH
CRUISE MAIN
CANCEL
SET/ COAST
RESET/ ACCEL
SPEED CONTROL
2
4
2R115
Clockspring
2M
2K
C2R115 - 9
C2R115 - 8


VES10 2TAD 0.35
14401 WH
C2BP02-C - 40
C3-40
SPEED CONTROL SW
RES08 2TAD 0.35
14401 GN-BN
C2BP02-C - 55
C3-55
SPEED CONTROL GND
2BP02
Central Junction Box (CJB)

GROUP

4 Electrical

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VEHICLE APPLICATION: 2012.0 Ranger

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Climate Control — 2.5L Duratec-HE (122kW/165PS) - MI4, RHD 4WD/RHD RWD, Vehicles With: Dual Automatic Temperature Control..... 412-01-9
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Climate Control — RHD 4WD/RHD RWD, Vehicles Without: Air Conditioning..... 412-01-13
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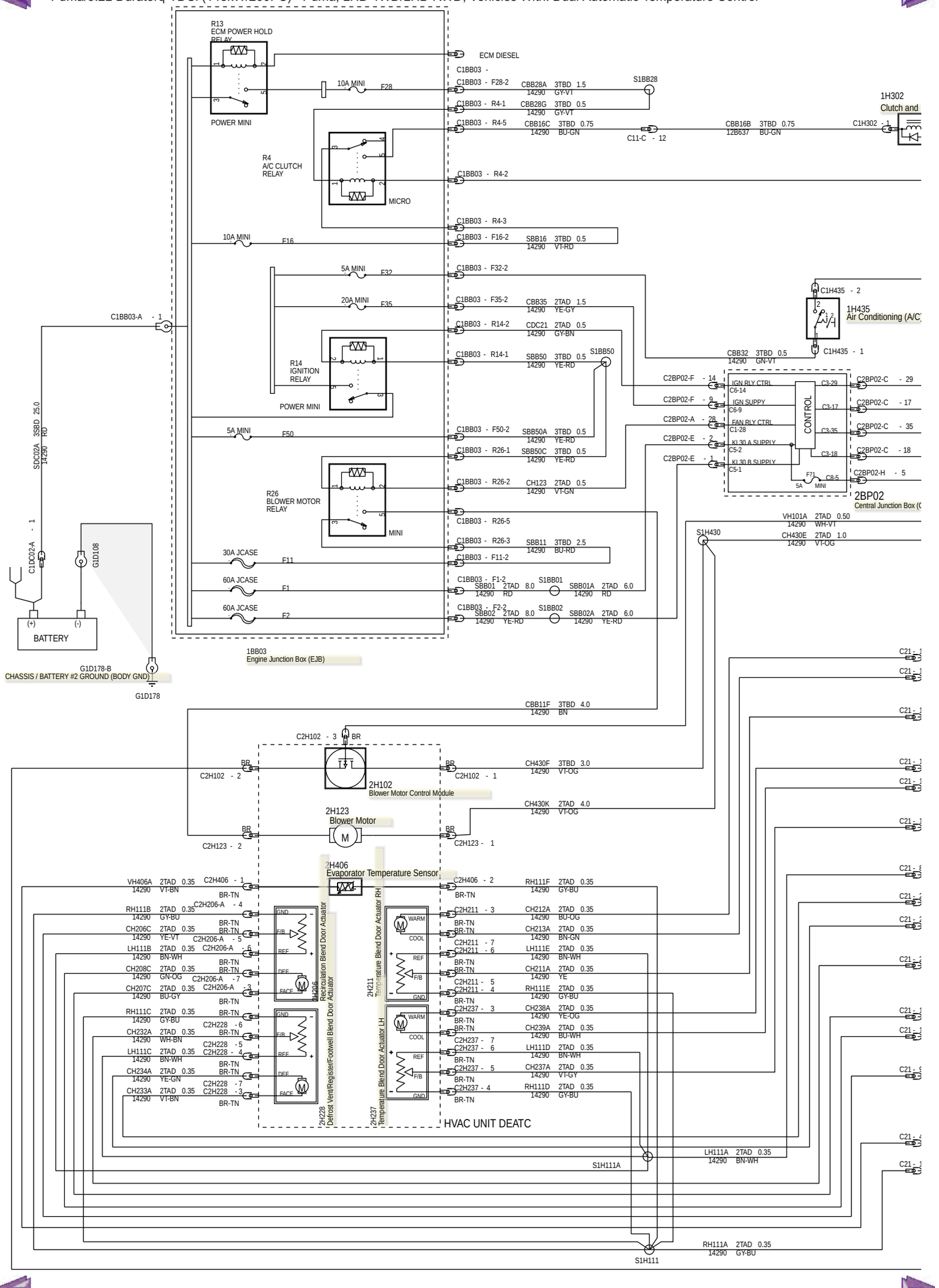
ELECTRICAL CONNECTORS

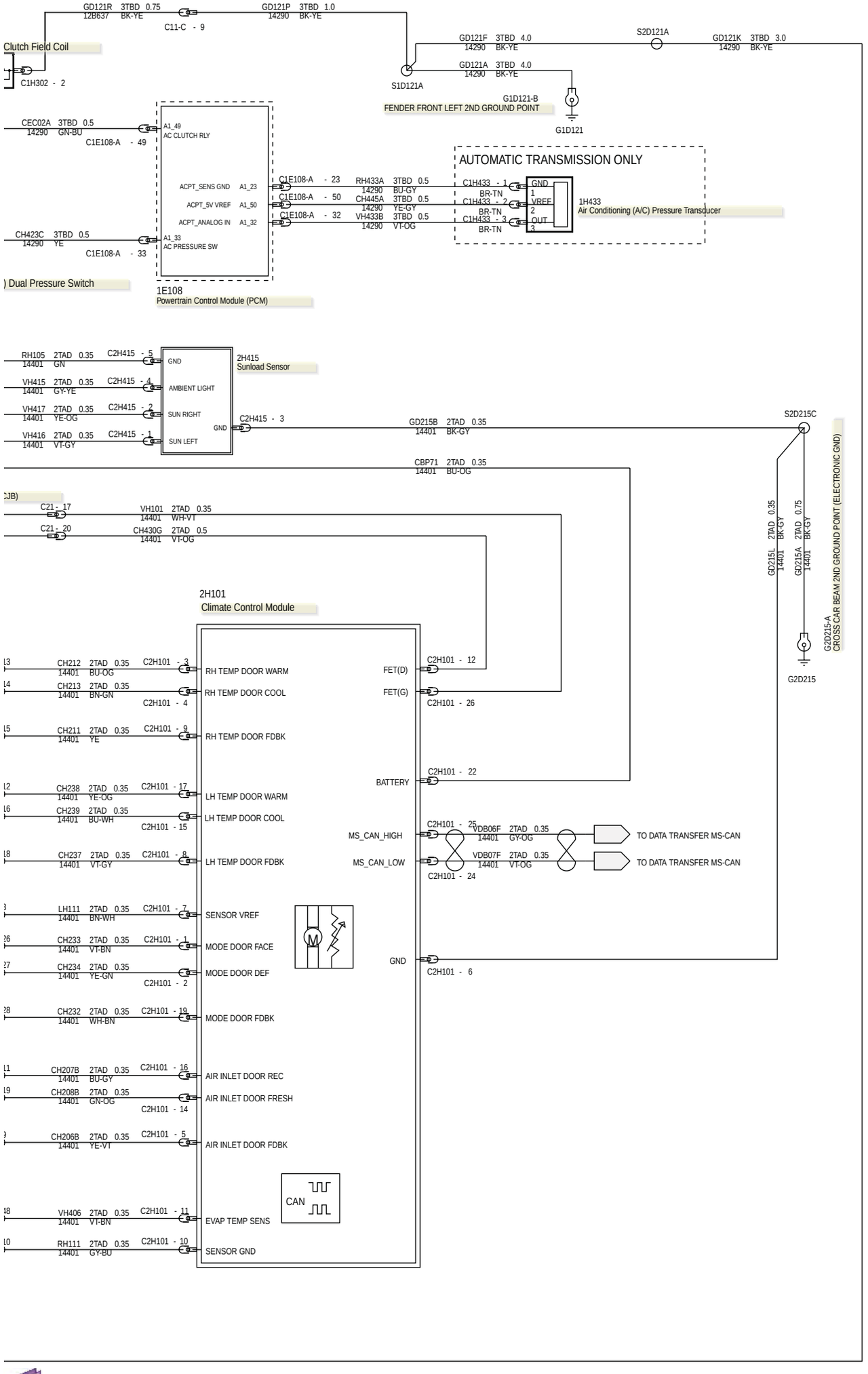
Air Conditioning (A/C) Dual Pressure Switch..... 412-01-23
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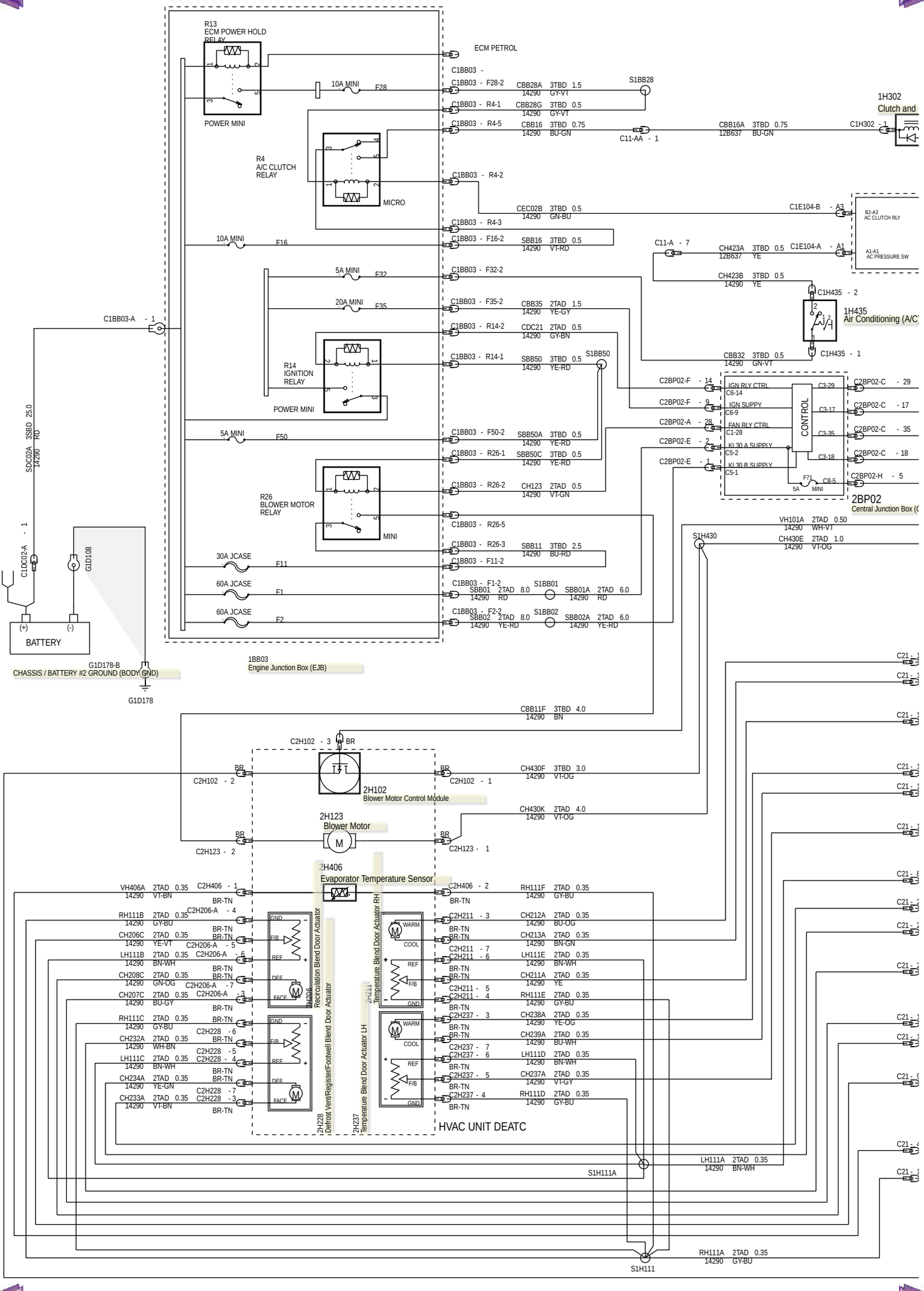
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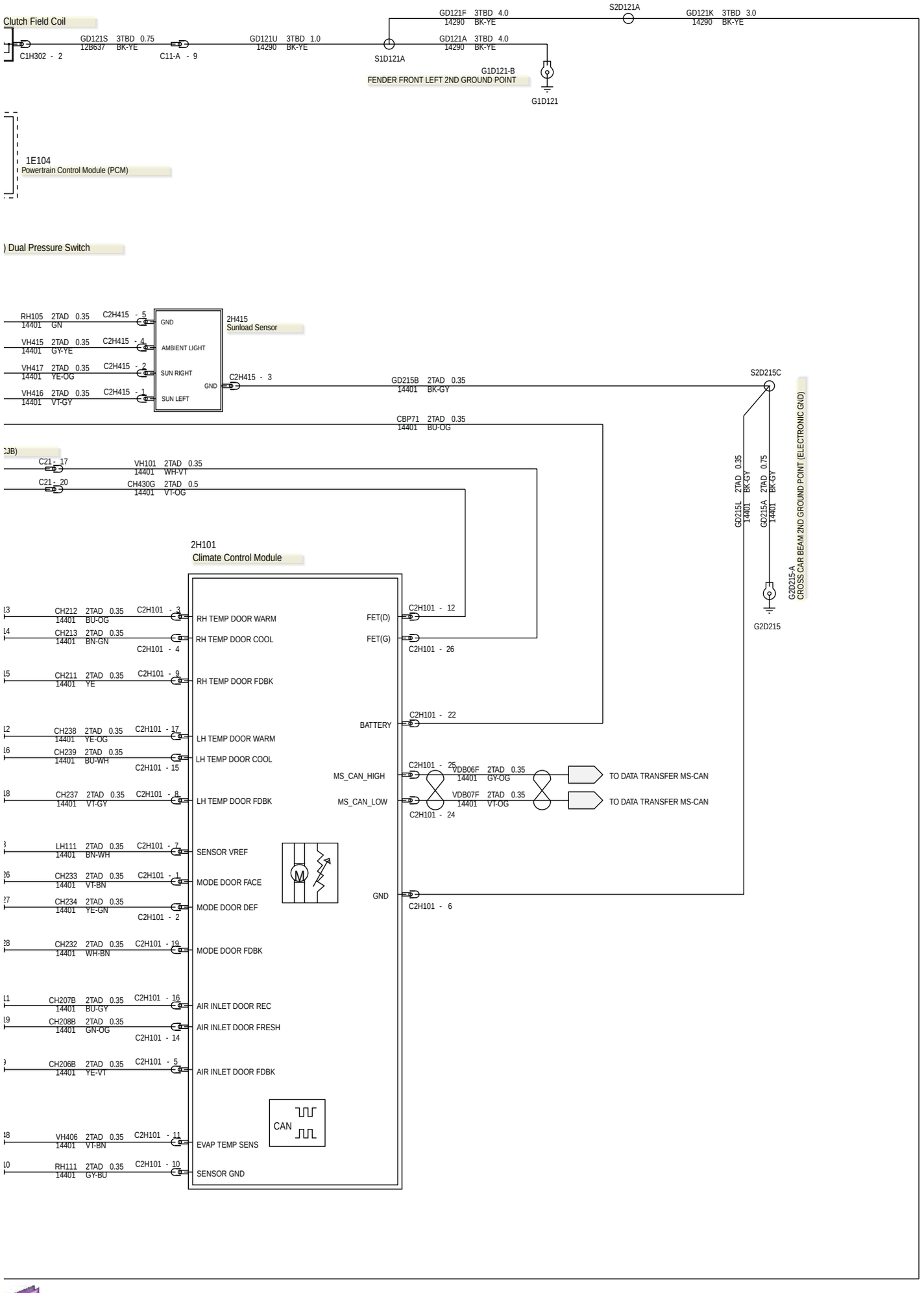
Evaporator Temperature Sensor — A..... 412-01-26
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Sunload Sensor..... 412-01-27
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Temperature Blend Door Actuator LH..... 412-01-28
Temperature Blend Door Actuator RH..... 412-01-28

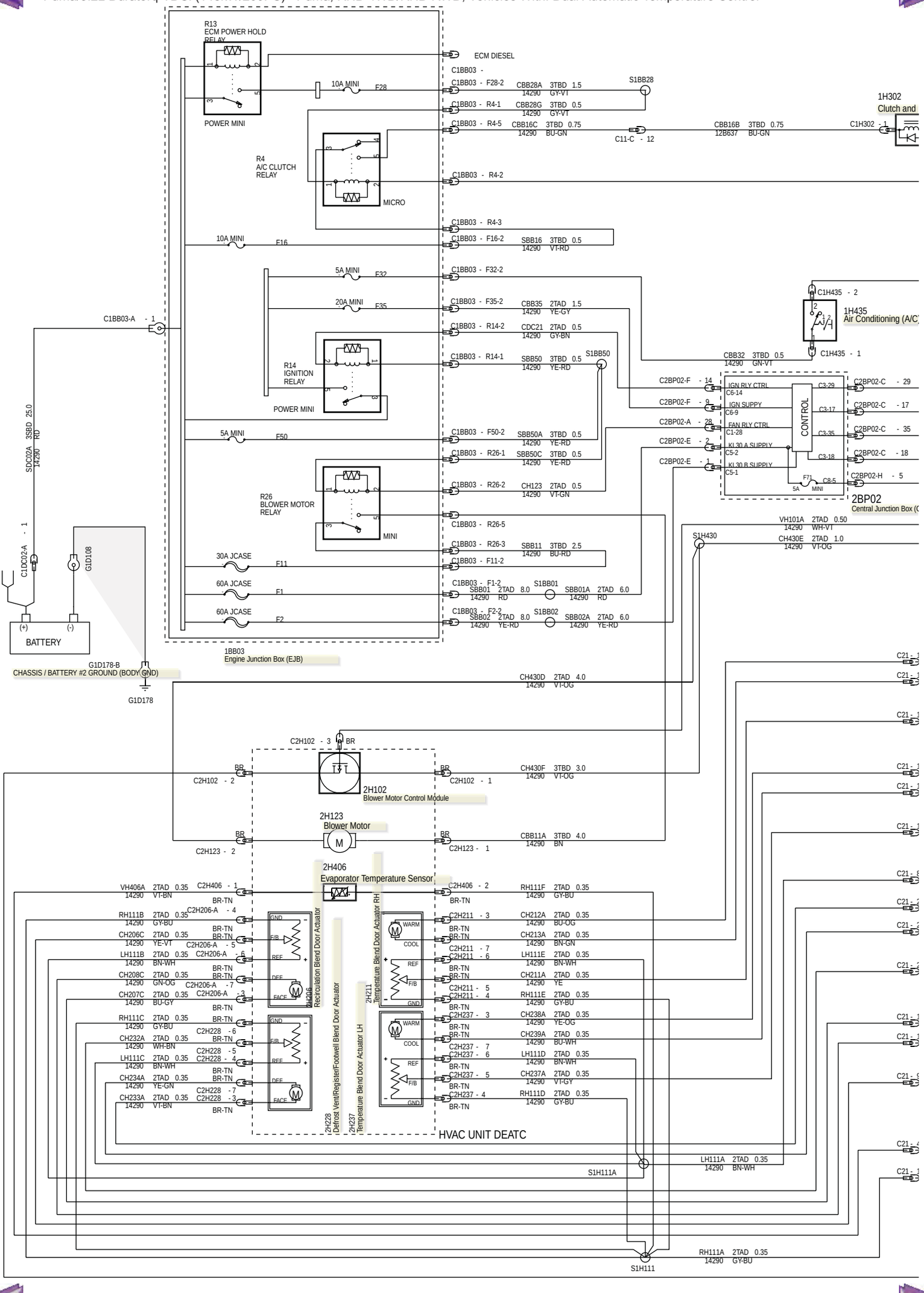
412-01-3 Climate Control—2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma/3.2L Duratorq-TDCi (148kW/200PS) - Puma, LHD 4WD/LHD RWD, Vehicles With: Dual Automatic Temperature Control

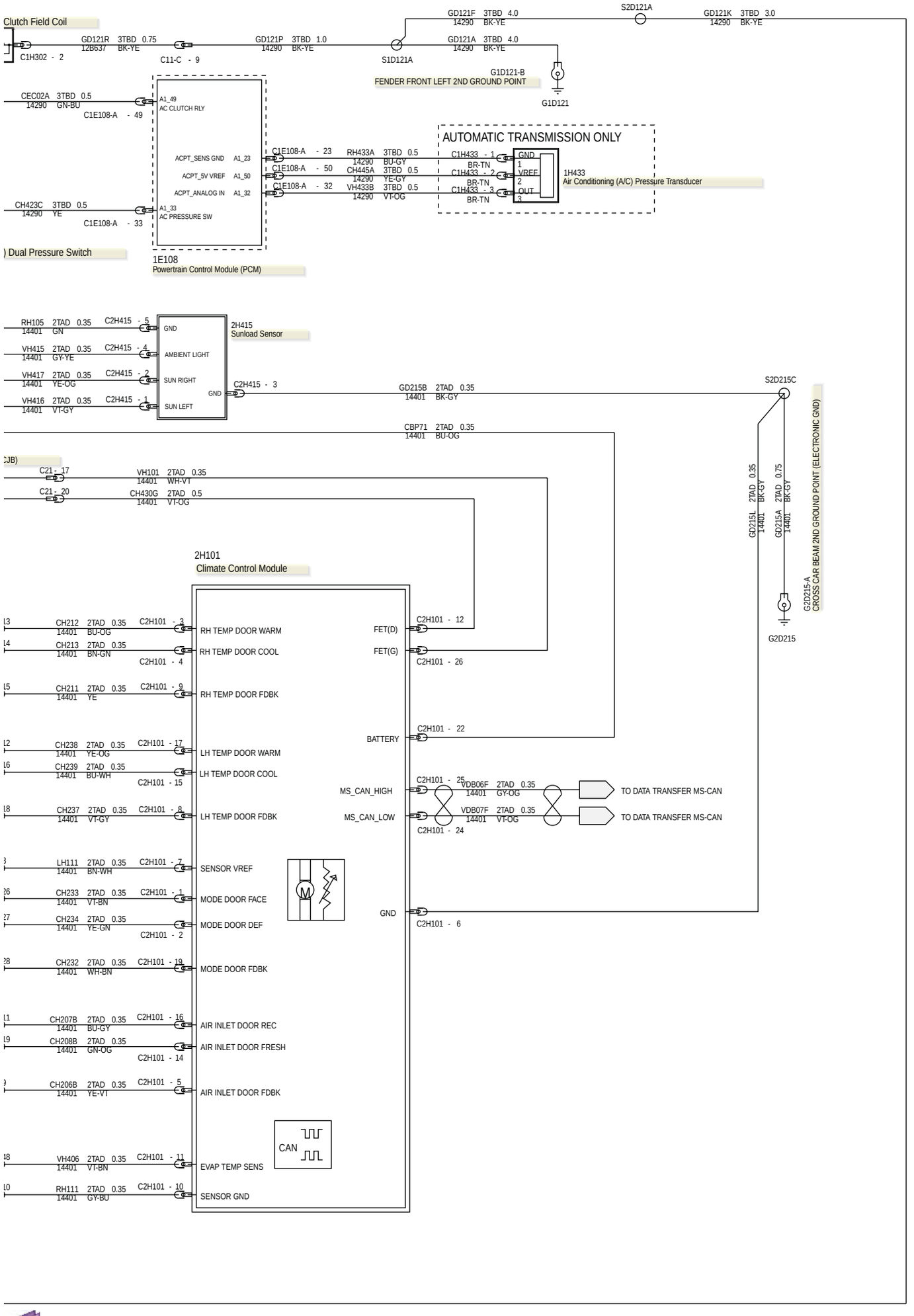


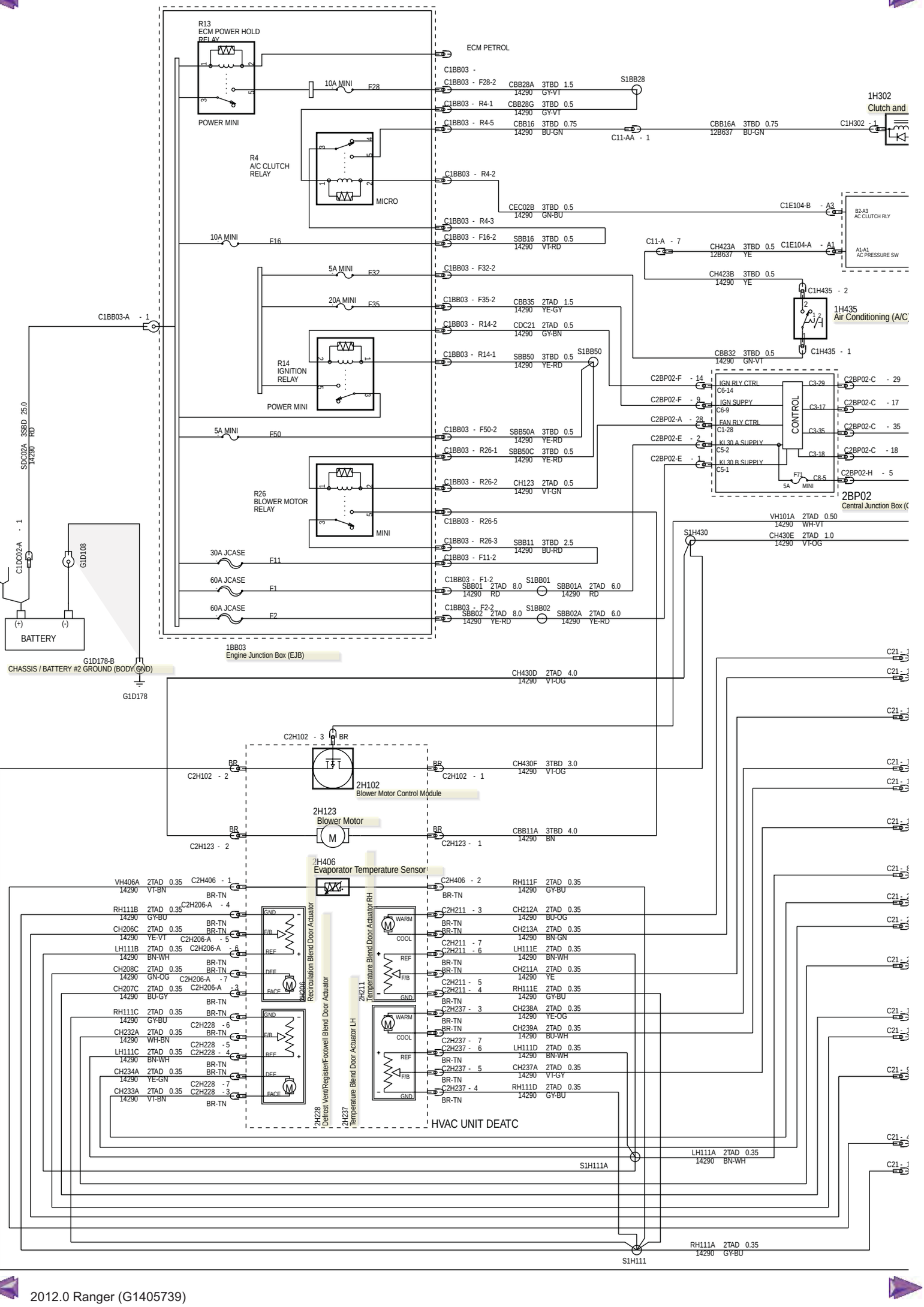

GD121R 3TBD 0.75 12B637 BK-YE
C11-C - 9
GD121P 3TBD 1.0 14290 BK-YE
Clutch Field Coil
C1H302 - 2
GD121F 3TBD 4.0 14290 BK-YE
S2D121A
GD121K 3TBD 3.0 14290 BK-YE
GD121A 3TBD 4.0 14290 BK-YE
S1D121A
G1D121-B
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
CEC02A 3TBD 0.5 14290 GN-BU
C1E108-A - 49
A1_49 AC CLUTCH RLY
AUTOMATIC TRANSMISSION ONLY
ACPT_SENS GND A1_23
ACPT_5V VREF A1_50
ACPT_ANALOG IN A1_32
C1E108-A - 23 RH433A 3TBD 0.5 14290 BU-GY
C1E108-A - 50 CH445A 3TBD 0.5 14290 YE-GY
C1E108-A - 32 VH433B 3TBD 0.5 14290 VT-OG
C1H433 - 1 BR-TN
C1H433 - 2 BR-TN
C1H433 - 3 BR-TN
GND 1 VREF 2 OUT 3
1H433
Air Conditioning (A/C) Pressure Transducer
CH423C 3TBD 0.5 14290 YE
C1E108-A - 33
A1_33 AC PRESSURE SW
) Dual Pressure Switch
1E108
Powertrain Control Module (PCM)
RH105 2TAD 0.35 14401 GN
VH415 2TAD 0.35 14401 GY-YE
VH417 2TAD 0.35 14401 YE-OG
VH416 2TAD 0.35 14401 VT-GY
C2H415 - 5
C2H415 - 4
C2H415 - 2
C2H415 - 1
GND
AMBIENT LIGHT
SUN RIGHT
SUN LEFT
2H415
Sunload Sensor
C2H415 - 3
GD215B 2TAD 0.35 14401 BK-GY
S2D215C
CBP71 2TAD 0.35 14401 BU-OG
CJB)
C21 - 17
VH101 2TAD 0.35 14401 WH-VT
C21 - 20
CH430G 2TAD 0.5 14401 VT-OG
GD215L 2TAD 0.35 14401 BK-GY
GD215A 2TAD 0.75 14401 BK-GY
G2D215-A
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
2H101
Climate Control Module
CH212 2TAD 0.35 14401 BU-OG
C2H101 - 3
RH TEMP DOOR WARM
FET(D)
C2H101 - 12
CH213 2TAD 0.35 14401 BN-GN
C2H101 - 4
RH TEMP DOOR COOL
FET(G)
C2H101 - 26
CH211 2TAD 0.35 14401 YE
C2H101 - 9
RH TEMP DOOR FDBK
BATTERY
C2H101 - 22
CH238 2TAD 0.35 14401 YE-OG
C2H101 - 17
LH TEMP DOOR WARM
CH239 2TAD 0.35 14401 BU-WH
C2H101 - 15
LH TEMP DOOR COOL
MS_CAN_HIGH
C2H101 - 25
VDB06F 2TAD 0.35 14401 GY-OG
TO DATA TRANSFER MS-CAN
CH237 2TAD 0.35 14401 VT-GY
C2H101 - 8
LH TEMP DOOR FDBK
MS_CAN_LOW
VDB07F 2TAD 0.35 14401 VT-OG
TO DATA TRANSFER MS-CAN
C2H101 - 24
LH111 2TAD 0.35 14401 BN-WH
C2H101 - 7
SENSOR VREF
CH233 2TAD 0.35 14401 VT-BN
C2H101 - 1
MODE DOOR FACE
CH234 2TAD 0.35 14401 YE-GN
C2H101 - 2
MODE DOOR DEF
GND
C2H101 - 6
CH232 2TAD 0.35 14401 WH-BN
C2H101 - 19
MODE DOOR FDBK
CH207B 2TAD 0.35 14401 BU-GY
C2H101 - 16
AIR INLET DOOR REC
CH208B 2TAD 0.35 14401 GN-OG
C2H101 - 14
AIR INLET DOOR FRESH
CH206B 2TAD 0.35 14401 YE-VT
C2H101 - 5
AIR INLET DOOR FDBK
CAN
VH406 2TAD 0.35 14401 VT-BN
C2H101 - 11
EVAP TEMP SENS
RH111 2TAD 0.35 14401 GY-BU
C2H101 - 10
SENSOR GND

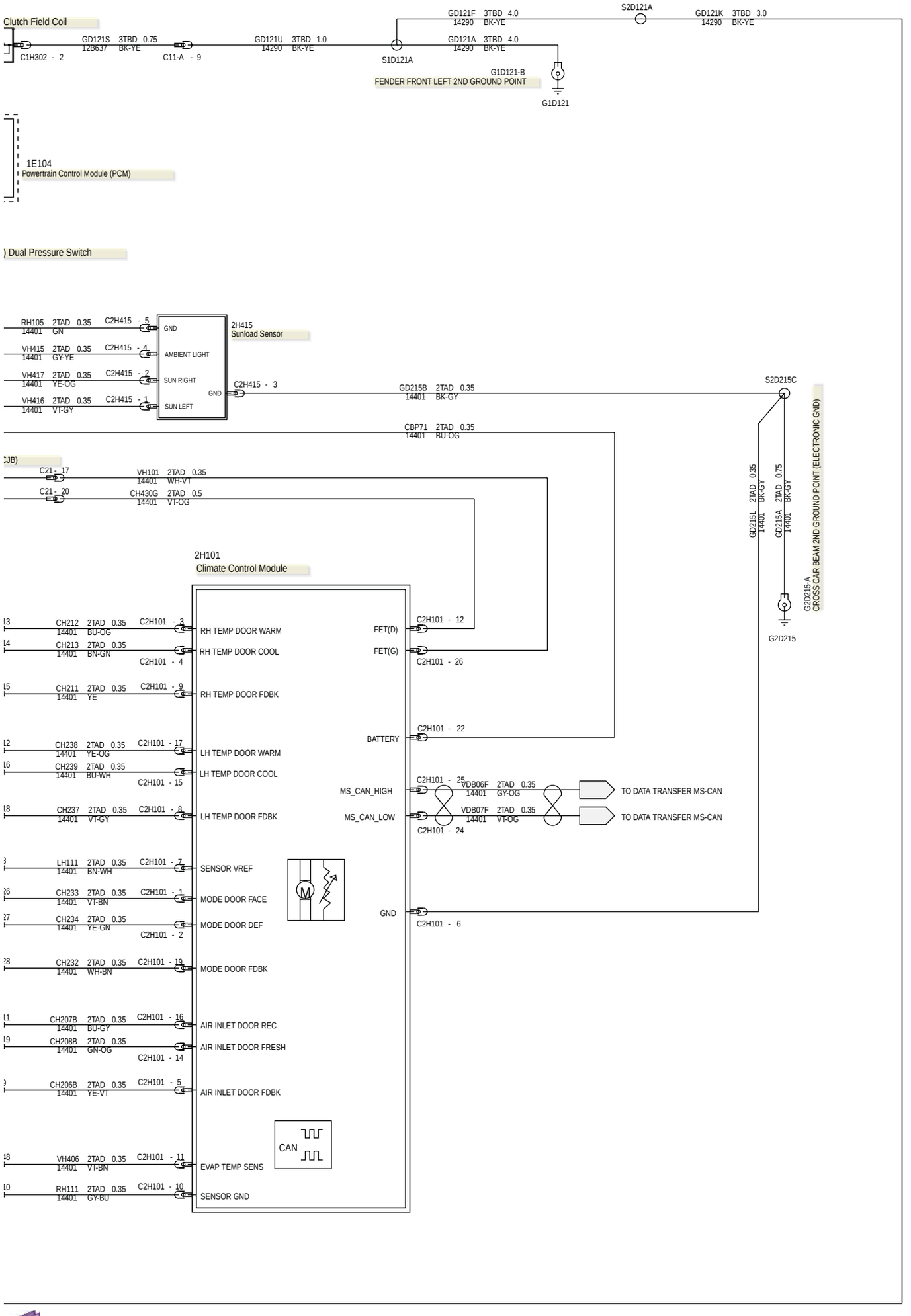

R13
ECM POWER HOLD RELAY
POWER MINI
ECM PETROL
C1BB03 -
10A MINI F28
C1BB03 - F28-2 CBB28A 3TBD 1.5 14290 GY-VT
S1BB28
C1BB03 - R4-1 CBB28G 3TBD 0.5 14290 GY-VT
C1BB03 - R4-5 CBB16 3TBD 0.75 14290 BU-GN
C11-AA - 1
CBB16A 3TBD 0.75 12B637 BU-GN
1H302
Clutch and
C1H302 - 1
R4
A/C CLUTCH RELAY
MICRO
C1BB03 - R4-2
CEC02B 3TBD 0.5 14290 GN-BU
C1E104-B - A3
B2-A3
AC CLUTCH RLY
C1BB03 - R4-3
10A MINI F16
C1BB03 - F16-2 SBB16 3TBD 0.5 14290 VT-RD
C11-A - 7
CH423A 3TBD 0.5 12B637 YE
C1E104-A - A1
A1-A1
AC PRESSURE SW
CH423B 3TBD 0.5 14290 YE
5A MINI F32
C1BB03 - F32-2
C1H435 - 2
20A MINI F35
C1BB03 - F35-2 CBB35 2TAD 1.5 14290 YE-GY
C1BB03 - R14-2 CDC21 2TAD 0.5 14290 GY-BN
1H435
Air Conditioning (A/C)
C1BB03-A - 1
R14
IGNITION RELAY
POWER MINI
C1BB03 - R14-1 SBB50 3TBD 0.5 14290 YE-RD
S1BB50
CBB32 3TBD 0.5 14290 GN-VT
C1H435 - 1
C2BP02-F - 14
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C3-35
C3-18
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C2BP02-C - 17
C2BP02-C - 35
C2BP02-C - 18
C2BP02-H - 5
F71 5A MINI C8-5
2BP02
Central Junction Box (C
5A MINI F50
C1BB03 - F50-2 SBB50A 3TBD 0.5 14290 YE-RD
C1BB03 - R26-1 SBB50C 3TBD 0.5 14290 YE-RD
R26
BLOWER MOTOR RELAY
MINI
C1BB03 - R26-2 CH123 2TAD 0.5 14290 VT-GN
C1BB03 - R26-5
VH101A 2TAD 0.50 14290 WH-VT
CH430E 2TAD 1.0 14290 VT-OG
S1H430
C1DC02A - 1
SDC02A 3SBD 25.0 14290 RD
G1D108
30A JCASE F11
C1BB03 - R26-3 SBB11 3TBD 2.5 14290 BU-RD
C1BB03 - F11-2
60A JCASE F1
C1BB03 - F1-2 SBB01 2TAD 8.0 14290 RD
S1BB01
SBB01A 2TAD 6.0 14290 RD
60A JCASE F2
C1BB03 - F2-2 SBB02 2TAD 8.0 14290 YE-RD
S1BB02
SBB02A 2TAD 6.0 14290 YE-RD
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
1BB03
Engine Junction Box (EJB)
CBB11F 3TBD 4.0 14290 BN
C2H102 - 3 BR
C2H102 - 2 BR
C2H102 - 1 BR
CH430F 3TBD 3.0 14290 VT-OG
2H102
Blower Motor Control Module
CH430K 2TAD 4.0 14290 VT-OG
2H123
Blower Motor
C2H123 - 2 BR
C2H123 - 1 BR
2H406
Evaporator Temperature Sensor
VH406A 2TAD 0.35 14290 VT-BN
C2H406 - 1
C2H406 - 2
RH111F 2TAD 0.35 14290 GY-BU
BR-TN
C2H206-A - 4
RH111B 2TAD 0.35 14290 GY-BU
CH206C 2TAD 0.35 14290 YE-VT
C2H206-A - 5
LH111B 2TAD 0.35 14290 BN-WH
C2H206-A - 6
CH208C 2TAD 0.35 14290 GN-OG
C2H206-A - 7
CH207C 2TAD 0.35 14290 BU-GY
C2H206-A - 3
RH111C 2TAD 0.35 14290 GY-BU
C2H228 - 6
CH232A 2TAD 0.35 14290 WH-BN
C2H228 - 5
LH111C 2TAD 0.35 14290 BN-WH
C2H228 - 4
CH234A 2TAD 0.35 14290 YE-GN
C2H228 - 7
CH233A 2TAD 0.35 14290 VT-BN
C2H228 - 3
GND
F/B
REF
DEF
FACE
2H206
Recirculation Blend Door Actuator
2H228
Defrost Vent/Register/Footwell Blend Door Actuator
2H211
Temperature Blend Door Actuator RH
2H237
Temperature Blend Door Actuator LH
WARM
COOL
C2H211 - 3
C2H211 - 7
C2H211 - 6
C2H211 - 5
C2H211 - 4
C2H237 - 3
C2H237 - 7
C2H237 - 6
C2H237 - 5
C2H237 - 4
CH212A 2TAD 0.35 14290 BU-OG
CH213A 2TAD 0.35 14290 BN-GN
LH111E 2TAD 0.35 14290 BN-WH
CH211A 2TAD 0.35 14290 YE
RH111E 2TAD 0.35 14290 GY-BU
CH238A 2TAD 0.35 14290 YE-OG
CH239A 2TAD 0.35 14290 BU-WH
LH111D 2TAD 0.35 14290 BN-WH
CH237A 2TAD 0.35 14290 VT-GY
RH111D 2TAD 0.35 14290 GY-BU
HVAC UNIT DEATC
S1H111A
LH111A 2TAD 0.35 14290 BN-WH
S1H111
RH111A 2TAD 0.35 14290 GY-BU
C21 -


Clutch Field Coil
GD121S 3TBD 0.75
12B637 BK-YE
C1H302 - 2
C11-A - 9
GD121U 3TBD 1.0
14290 BK-YE
S1D121A
GD121F 3TBD 4.0
14290 BK-YE
GD121A 3TBD 4.0
14290 BK-YE
S2D121A
GD121K 3TBD 3.0
14290 BK-YE
G1D121-B
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
1E104
Powertrain Control Module (PCM)
) Dual Pressure Switch
RH105 2TAD 0.35
14401 GN
VH415 2TAD 0.35
14401 GY-YE
VH417 2TAD 0.35
14401 YE-OG
VH416 2TAD 0.35
14401 VT-GY
C2H415 - 5
C2H415 - 4
C2H415 - 2
C2H415 - 1
GND
AMBIENT LIGHT
SUN RIGHT
SUN LEFT
2H415
Sunload Sensor
C2H415 - 3
GD215B 2TAD 0.35
14401 BK-GY
S2D215C
CBP71 2TAD 0.35
14401 BU-OG
CJB)
C21 - 17
C21 - 20
VH101 2TAD 0.35
14401 WH-VT
CH430G 2TAD 0.5
14401 VT-OG
GD215L 2TAD 0.35
14401 BK-GY
GD215A 2TAD 0.75
14401 BK-GY
G2D215-A
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
2H101
Climate Control Module
CH212 2TAD 0.35
14401 BU-OG
C2H101 - 3
RH TEMP DOOR WARM
CH213 2TAD 0.35
14401 BN-GN
C2H101 - 4
RH TEMP DOOR COOL
CH211 2TAD 0.35
14401 YE
C2H101 - 9
RH TEMP DOOR FDBK
CH238 2TAD 0.35
14401 YE-OG
C2H101 - 17
LH TEMP DOOR WARM
CH239 2TAD 0.35
14401 BU-WH
C2H101 - 15
LH TEMP DOOR COOL
CH237 2TAD 0.35
14401 VT-GY
C2H101 - 8
LH TEMP DOOR FDBK
LH111 2TAD 0.35
14401 BN-WH
C2H101 - 7
SENSOR VREF
CH233 2TAD 0.35
14401 VT-BN
C2H101 - 1
MODE DOOR FACE
CH234 2TAD 0.35
14401 YE-GN
C2H101 - 2
MODE DOOR DEF
CH232 2TAD 0.35
14401 WH-BN
C2H101 - 19
MODE DOOR FDBK
CH207B 2TAD 0.35
14401 BU-GY
C2H101 - 16
AIR INLET DOOR REC
CH208B 2TAD 0.35
14401 GN-OG
C2H101 - 14
AIR INLET DOOR FRESH
CH206B 2TAD 0.35
14401 YE-VT
C2H101 - 5
AIR INLET DOOR FDBK
VH406 2TAD 0.35
14401 VT-BN
C2H101 - 11
EVAP TEMP SENS
RH111 2TAD 0.35
14401 GY-BU
C2H101 - 10
SENSOR GND
FET(D)
C2H101 - 12
FET(G)
C2H101 - 26
BATTERY
C2H101 - 22
MS_CAN_HIGH
MS_CAN_LOW
C2H101 - 25
C2H101 - 24
VDB06F 2TAD 0.35
14401 GY-OG
VDB07F 2TAD 0.35
14401 VT-OG
TO DATA TRANSFER MS-CAN
TO DATA TRANSFER MS-CAN
GND
C2H101 - 6
CAN

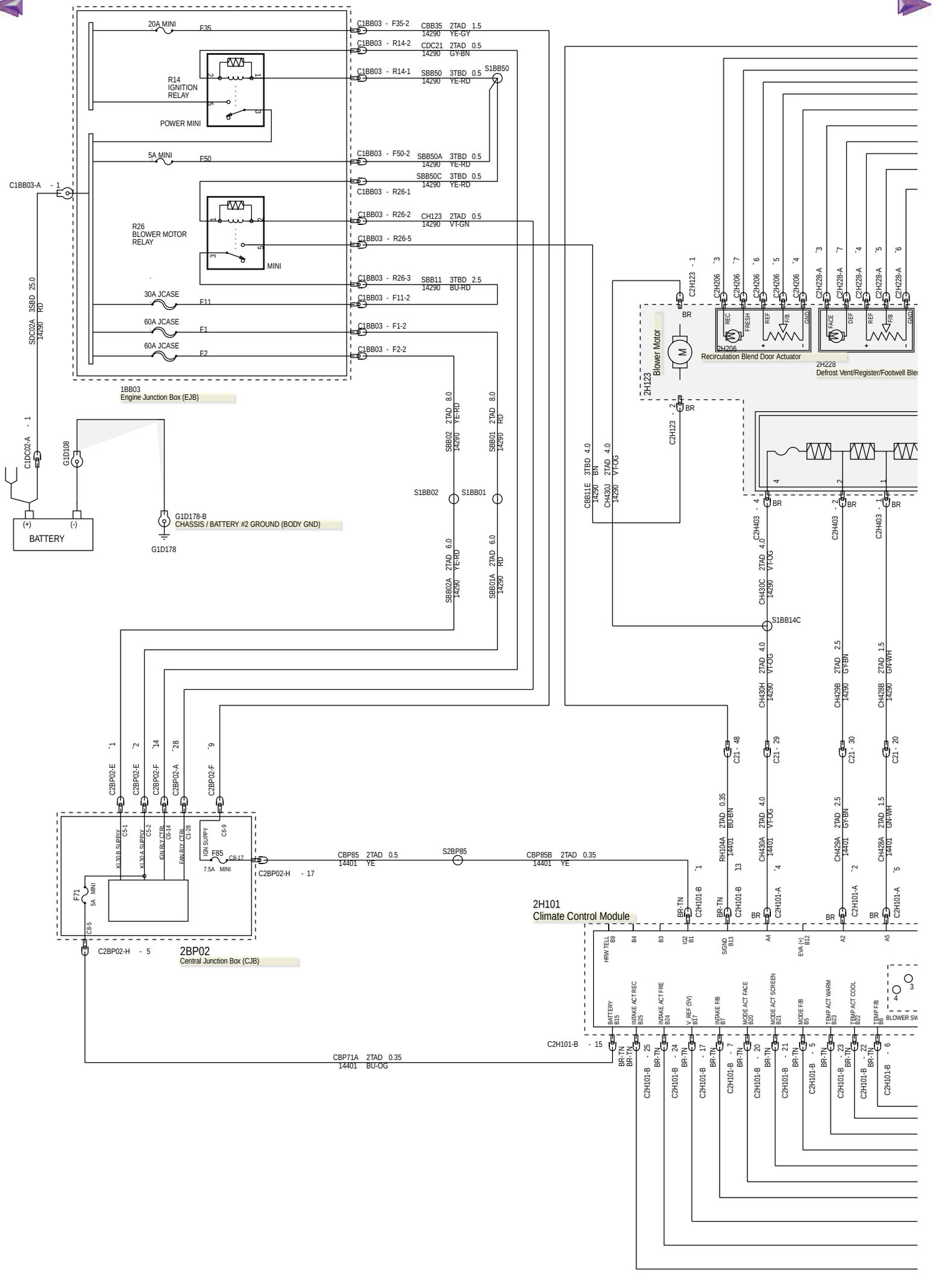

R13
ECM POWER HOLD RELAY
POWER MINI
ECM DIESEL
C1BB03 -
10A MINI F28
C1BB03 - F28-2 CBB28A 3TBD 1.5 14290 GY-VT
S1BB28
C1BB03 - R4-1 CBB28G 3TBD 0.5 14290 GY-VT
C1BB03 - R4-5 CBB16C 3TBD 0.75 14290 BU-GN
C11-C - 12
CBB16B 3TBD 0.75 12B637 BU-GN
C1H302 - 1
1H302
Clutch and
R4
A/C CLUTCH RELAY
MICRO
C1BB03 - R4-2
C1BB03 - R4-3
10A MINI F16
C1BB03 - F16-2 SBB16 3TBD 0.5 14290 VT-RD
5A MINI F32
C1BB03 - F32-2
20A MINI F35
C1BB03 - F35-2 CBB35 2TAD 1.5 14290 YE-GY
C1BB03-A - 1
C1BB03 - R14-2 CDC21 2TAD 0.5 14290 GY-BN
C1BB03 - R14-1 SBB50 3TBD 0.5 14290 YE-RD
S1BB50
R14
IGNITION RELAY
POWER MINI
C1H435 - 2
1H435
Air Conditioning (A/C)
C1H435 - 1
CBB32 3TBD 0.5 14290 GN-VT
C2BP02-F - 14
C2BP02-F - 9
C2BP02-A - 28
C2BP02-E - 2
C2BP02-E - 1
IGN RLY CTRL C6-14
IGN SUPPY C6-9
FAN RLY CTRL C1-28
KI 30 A SUPPLY C5-2
KI 30 B SUPPLY C5-1
CONTROL
C3-29
C3-17
C3-35
C3-18
C2BP02-C - 29
C2BP02-C - 17
C2BP02-C - 35
C2BP02-C - 18
C2BP02-H - 5
F71 5A
C8-5 MINI
2BP02
Central Junction Box (C
5A MINI F50
C1BB03 - F50-2 SBB50A 3TBD 0.5 14290 YE-RD
C1BB03 - R26-1 SBB50C 3TBD 0.5 14290 YE-RD
C1BB03 - R26-2 CH123 2TAD 0.5 14290 VT-GN
R26
BLOWER MOTOR RELAY
MINI
C1BB03 - R26-5
VH101A 2TAD 0.50 14290 WH-VT
CH430E 2TAD 1.0 14290 VT-OG
S1H430
C1BB03 - R26-3 SBB11 3TBD 2.5 14290 BU-RD
30A JCASE F11
C1BB03 - F11-2
60A JCASE F1
C1BB03 - F1-2 SBB01 2TAD 8.0 14290 RD
S1BB01
SBB01A 2TAD 6.0 14290 RD
60A JCASE F2
C1BB03 - F2-2 SBB02 2TAD 8.0 14290 YE-RD
S1BB02
SBB02A 2TAD 6.0 14290 YE-RD
SDC02A 3SBD 25.0 14290 RD
C1DC02A - 1
G1D108
BATTERY
(+)
(-)
1BB03
Engine Junction Box (EJB)
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
CH430D 2TAD 4.0 14290 VT-OG
C2H102 - 3 BR
C2H102 - 2 BR
C2H102 - 1 BR
CH430F 3TBD 3.0 14290 VT-OG
2H102
Blower Motor Control Module
2H123
Blower Motor
C2H123 - 2 BR
C2H123 - 1 BR
CBB11A 3TBD 4.0 14290 BN
2H406
Evaporator Temperature Sensor
VH406A 2TAD 0.35 14290 VT-BN
C2H406 - 1
C2H406 - 2
RH111F 2TAD 0.35 14290 GY-BU
BR-TN
C2H206-A - 4
RH111B 2TAD 0.35 14290 GY-BU
CH206C 2TAD 0.35 14290 YE-VT
C2H206-A - 5
LH111B 2TAD 0.35 14290 BN-WH
C2H206-A - 6
CH208C 2TAD 0.35 14290 GN-OG
C2H206-A - 7
CH207C 2TAD 0.35 14290 BU-GY
C2H206-A - 3
RH111C 2TAD 0.35 14290 GY-BU
C2H228 - 6
CH232A 2TAD 0.35 14290 WH-BN
C2H228 - 5
LH111C 2TAD 0.35 14290 BN-WH
C2H228 - 4
CH234A 2TAD 0.35 14290 YE-GN
C2H228 - 7
CH233A 2TAD 0.35 14290 VT-BN
C2H228 - 3
GND
F/B
REF
DEF
FACE
2H206
Recirculation Blend Door Actuator
2H228
Defrost Vent/Register/Footwell Blend Door Actuator
2H211
Temperature Blend Door Actuator RH
2H237
Temperature Blend Door Actuator LH
WARM
COOL
C2H211 - 3
C2H211 - 7
C2H211 - 6
C2H211 - 5
C2H211 - 4
C2H237 - 3
C2H237 - 7
C2H237 - 6
C2H237 - 5
C2H237 - 4
CH212A 2TAD 0.35 14290 BU-OG
CH213A 2TAD 0.35 14290 BN-GN
LH111E 2TAD 0.35 14290 BN-WH
CH211A 2TAD 0.35 14290 YE
RH111E 2TAD 0.35 14290 GY-BU
CH238A 2TAD 0.35 14290 YE-OG
CH239A 2TAD 0.35 14290 BU-WH
LH111D 2TAD 0.35 14290 BN-WH
CH237A 2TAD 0.35 14290 VT-GY
RH111D 2TAD 0.35 14290 GY-BU
HVAC UNIT DEATC
S1H111A
LH111A 2TAD 0.35 14290 BN-WH
S1H111
RH111A 2TAD 0.35 14290 GY-BU

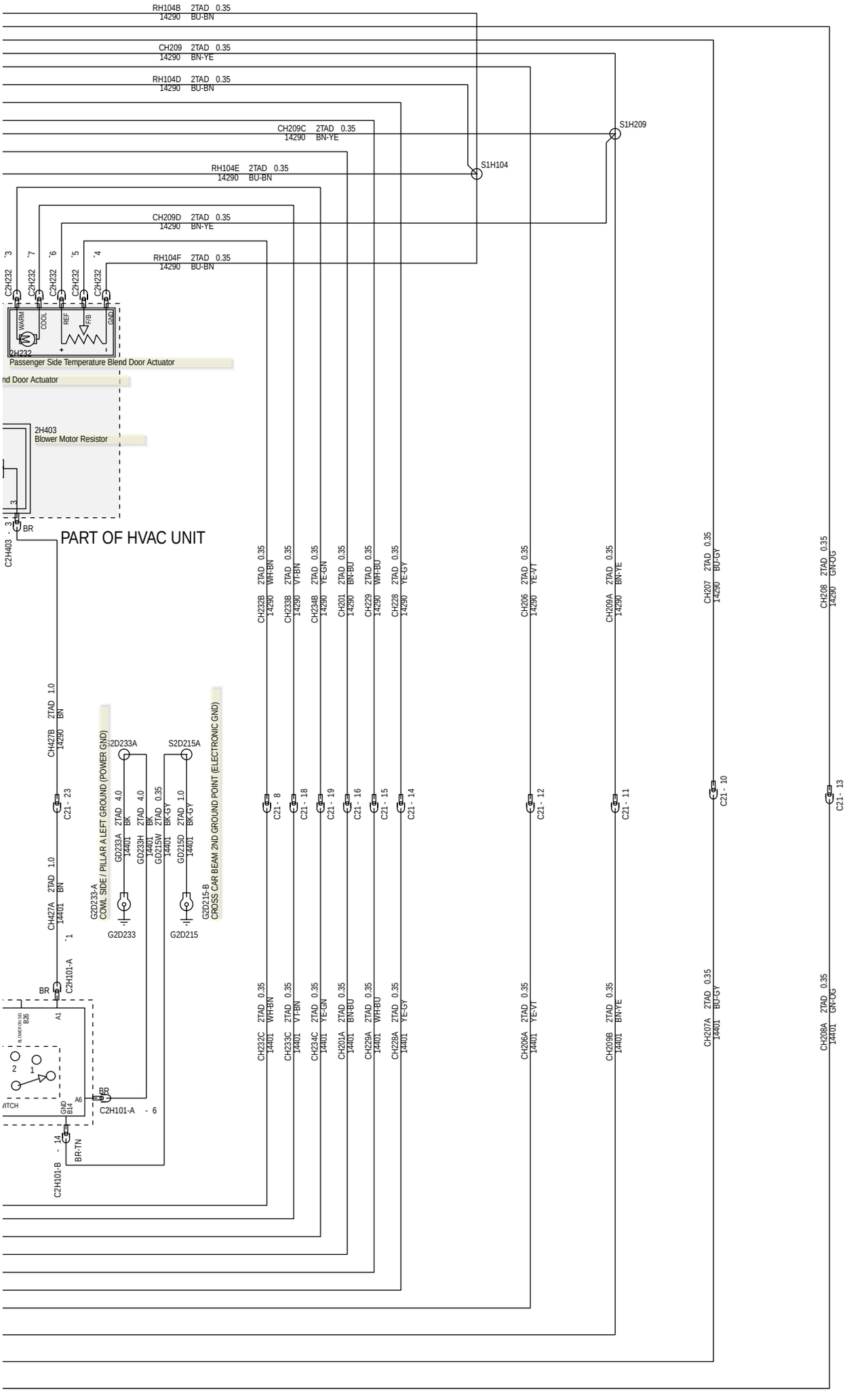

Clutch Field Coil
GD121R 3TBD 0.75 12B637 BK-YE
C1H302 - 2
C11-C - 9
GD121P 3TBD 1.0 14290 BK-YE
S1D121A
GD121F 3TBD 4.0 14290 BK-YE
GD121A 3TBD 4.0 14290 BK-YE
S2D121A
GD121K 3TBD 3.0 14290 BK-YE
G1D121-B
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
CEC02A 3TBD 0.5 14290 GN-BU
C1E108-A - 49
A1_49 AC CLUTCH RLY
ACPT_SENS GND A1_23
ACPT_5V VREF A1_50
ACPT_ANALOG IN A1_32
CH423C 3TBD 0.5 14290 YE
C1E108-A - 33
A1_33 AC PRESSURE SW
C1E108-A - 23
C1E108-A - 50
C1E108-A - 32
RH433A 3TBD 0.5 14290 BU-GY
CH445A 3TBD 0.5 14290 YE-GY
VH433B 3TBD 0.5 14290 VT-OG
AUTOMATIC TRANSMISSION ONLY
C1H433 - 1 BR-TN
C1H433 - 2 BR-TN
C1H433 - 3 BR-TN
GND 1 VREF 2 OUT 3
1H433
Air Conditioning (A/C) Pressure Transducer
) Dual Pressure Switch
1E108
Powertrain Control Module (PCM)
RH105 2TAD 0.35 14401 GN
VH415 2TAD 0.35 14401 GY-YE
VH417 2TAD 0.35 14401 YE-OG
VH416 2TAD 0.35 14401 VT-GY
C2H415 - 5
C2H415 - 4
C2H415 - 2
C2H415 - 1
GND
AMBIENT LIGHT
SUN RIGHT
SUN LEFT
2H415
Sunload Sensor
C2H415 - 3
GD215B 2TAD 0.35 14401 BK-GY
S2D215C
CBP71 2TAD 0.35 14401 BU-OG
CJB)
C21 - 17
C21 - 20
VH101 2TAD 0.35 14401 WH-VT
CH430G 2TAD 0.5 14401 VT-OG
GD215L 2TAD 0.35 14401 BK-GY
GD215A 2TAD 0.75 14401 BK-GY
G2D215-A
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
2H101
Climate Control Module
CH212 2TAD 0.35 14401 BU-OG
C2H101 - 3
RH TEMP DOOR WARM
CH213 2TAD 0.35 14401 BN-GN
C2H101 - 4
RH TEMP DOOR COOL
CH211 2TAD 0.35 14401 YE
C2H101 - 9
RH TEMP DOOR FDBK
CH238 2TAD 0.35 14401 YE-OG
C2H101 - 17
LH TEMP DOOR WARM
CH239 2TAD 0.35 14401 BU-WH
C2H101 - 15
LH TEMP DOOR COOL
CH237 2TAD 0.35 14401 VT-GY
C2H101 - 8
LH TEMP DOOR FDBK
LH111 2TAD 0.35 14401 BN-WH
C2H101 - 7
SENSOR VREF
CH233 2TAD 0.35 14401 VT-BN
C2H101 - 1
MODE DOOR FACE
CH234 2TAD 0.35 14401 YE-GN
C2H101 - 2
MODE DOOR DEF
CH232 2TAD 0.35 14401 WH-BN
C2H101 - 19
MODE DOOR FDBK
CH207B 2TAD 0.35 14401 BU-GY
C2H101 - 16
AIR INLET DOOR REC
CH208B 2TAD 0.35 14401 GN-OG
C2H101 - 14
AIR INLET DOOR FRESH
CH206B 2TAD 0.35 14401 YE-VT
C2H101 - 5
AIR INLET DOOR FDBK
VH406 2TAD 0.35 14401 VT-BN
C2H101 - 11
EVAP TEMP SENS
RH111 2TAD 0.35 14401 GY-BU
C2H101 - 10
SENSOR GND
CAN
FET(D)
FET(G)
C2H101 - 12
C2H101 - 26
BATTERY
C2H101 - 22
MS_CAN_HIGH
MS_CAN_LOW
C2H101 - 25
C2H101 - 24
VDB06F 2TAD 0.35 14401 GY-OG
VDB07F 2TAD 0.35 14401 VT-OG
TO DATA TRANSFER MS-CAN
TO DATA TRANSFER MS-CAN
GND
C2H101 - 6

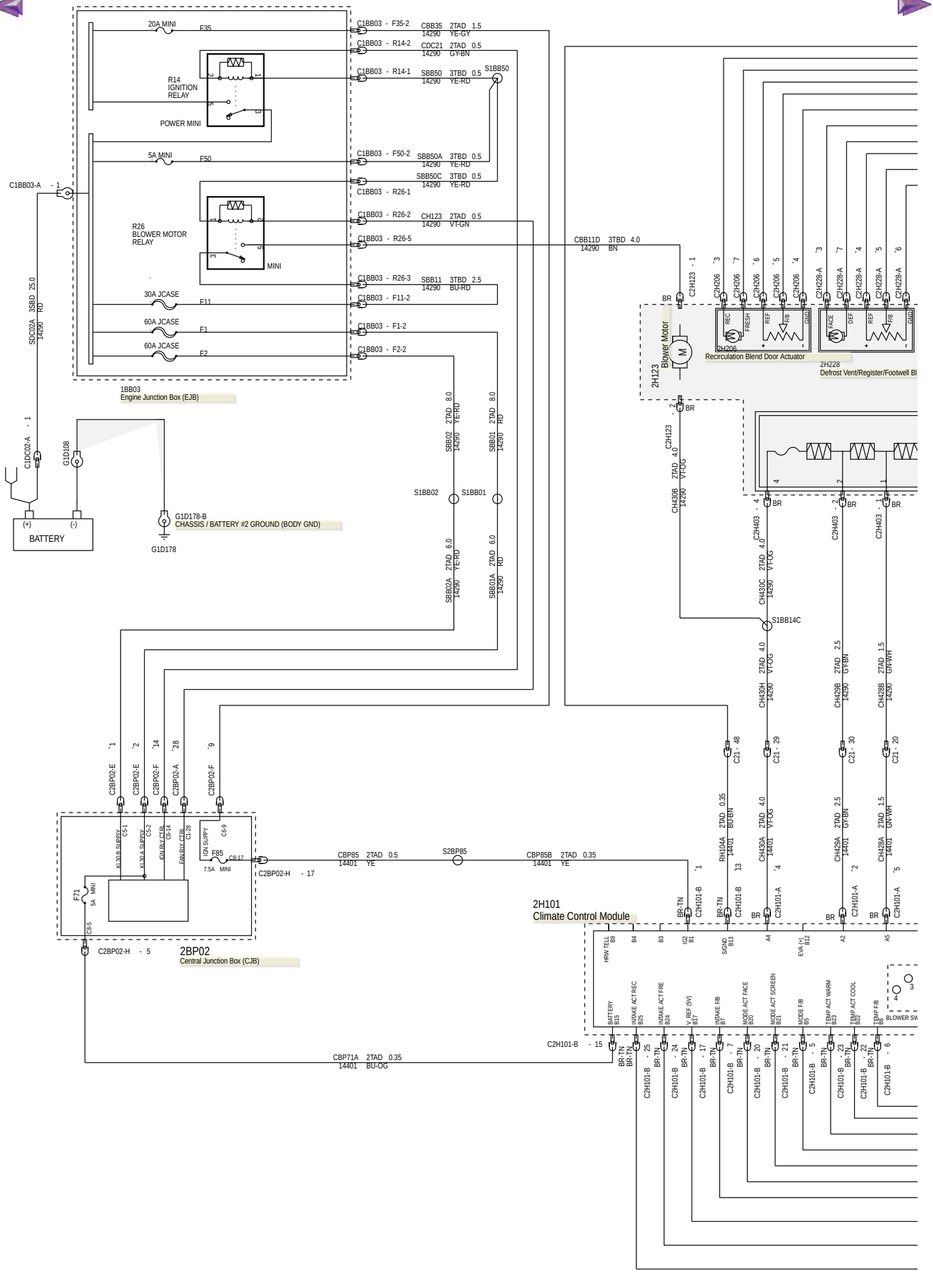

R13
ECM POWER HOLD RELAY
POWER MINI
ECM PETROL
C1BB03 -
10A MINI F28
C1BB03 - F28-2 CBB28A 3TBD 1.5 14290 GY-VT
S1BB28
C1BB03 - R4-1 CBB28G 3TBD 0.5 14290 GY-VT
C1BB03 - R4-5 CBB16 3TBD 0.75 14290 BU-GN
C11-AA - 1
CBB16A 3TBD 0.75 12B637 BU-GN
1H302 Clutch and
C1H302 - 1
R4
A/C CLUTCH RELAY
MICRO
C1BB03 - R4-2
CEC02B 3TBD 0.5 14290 GN-BU
C1E104-B - A3
B2-A3 AC CLUTCH RLY
C1BB03 - R4-3
10A MINI F16
C1BB03 - F16-2 SBB16 3TBD 0.5 14290 VT-RD
C11-A - 7
CH423A 3TBD 0.5 12B637 YE
C1E104-A - A1
A1-A1 AC PRESSURE SW
CH423B 3TBD 0.5 14290 YE
5A MINI F32
C1BB03 - F32-2
C1H435 - 2
20A MINI F35
C1BB03 - F35-2 CBB35 2TAD 1.5 14290 YE-GY
1H435 Air Conditioning (A/C)
C1BB03-A - 1
C1BB03 - R14-2 CDC21 2TAD 0.5 14290 GY-BN
C1BB03 - R14-1 SBB50 3TBD 0.5 14290 YE-RD
S1BB50
CBB32 3TBD 0.5 14290 GN-VT
C1H435 - 1
R14
IGNITION RELAY
POWER MINI
C2BP02-F - 14
IGN RLY CTRL C6-14
C2BP02-F - 9
IGN SUPPY C6-9
C2BP02-A - 28
FAN RLY CTRL C1-28
C2BP02-E - 2
KI 30 A SUPPLY C5-2
C2BP02-E - 1
KI 30 B SUPPLY C5-1
CONTROL
C3-29
C3-17
C3-35
C3-18
C2BP02-C - 29
C2BP02-C - 17
C2BP02-C - 35
C2BP02-C - 18
C2BP02-H - 5
F71 5A
C8-5 MINI
2BP02 Central Junction Box (C
5A MINI F50
C1BB03 - F50-2 SBB50A 3TBD 0.5 14290 YE-RD
C1BB03 - R26-1 SBB50C 3TBD 0.5 14290 YE-RD
C1BB03 - R26-2 CH123 2TAD 0.5 14290 VT-GN
R26
BLOWER MOTOR RELAY
MINI
C1BB03 - R26-5
VH101A 2TAD 0.50 14290 WH-VT
S1H430
CH430E 2TAD 1.0 14290 VT-OG
C1BB03 - R26-3 SBB11 3TBD 2.5 14290 BU-RD
30A JCASE F11
C1BB03 - F11-2
60A JCASE F1
C1BB03 - F1-2 SBB01 2TAD 8.0 14290 RD
S1BB01
SBB01A 2TAD 6.0 14290 RD
60A JCASE F2
C1BB03 - F2-2 SBB02 2TAD 8.0 14290 YE-RD
S1BB02
SBB02A 2TAD 6.0 14290 YE-RD
SDC02A 3SBD 25.0 14290 RD
C1DC02A - 1
G1D108
(+) (-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
1BB03
Engine Junction Box (EJB)
CH430D 2TAD 4.0 14290 VT-OG
C2H102 - 3 BR
C2H102 - 2 BR
2H102
Blower Motor Control Module
C2H102 - 1 BR
CH430F 3TBD 3.0 14290 VT-OG
2H123
Blower Motor
C2H123 - 2 BR
C2H123 - 1 BR
CBB11A 3TBD 4.0 14290 BN
2H406
Evaporator Temperature Sensor
VH406A 2TAD 0.35 14290 VT-BN
C2H406 - 1
C2H406 - 2
RH111F 2TAD 0.35 14290 GY-BU
BR-TN
C2H206-A - 4
RH111B 2TAD 0.35 14290 GY-BU
CH206C 2TAD 0.35 14290 YE-VT
C2H206-A - 5
LH111B 2TAD 0.35 14290 BN-WH
C2H206-A - 6
CH208C 2TAD 0.35 14290 GN-OG
C2H206-A - 7
CH207C 2TAD 0.35 14290 BU-GY
C2H206-A - 3
RH111C 2TAD 0.35 14290 GY-BU
C2H228 - 6
CH232A 2TAD 0.35 14290 WH-BN
C2H228 - 5
LH111C 2TAD 0.35 14290 BN-WH
C2H228 - 4
CH234A 2TAD 0.35 14290 YE-GN
C2H228 - 7
CH233A 2TAD 0.35 14290 VT-BN
C2H228 - 3
GND F/B REF DEF FACE
2H206 Recirculation Blend Door Actuator
2H211 Temperature Blend Door Actuator RH
WARM COOL REF F/B GND
C2H211 - 3
C2H211 - 7
C2H211 - 6
C2H211 - 5
C2H211 - 4
CH212A 2TAD 0.35 14290 BU-OG
CH213A 2TAD 0.35 14290 BN-GN
LH111E 2TAD 0.35 14290 BN-WH
CH211A 2TAD 0.35 14290 YE
RH111E 2TAD 0.35 14290 GY-BU
2H228 Defrost Vent/Register/Footwell Blend Door Actuator LH
2H237 Temperature Blend Door Actuator LH
C2H237 - 3
C2H237 - 7
C2H237 - 6
C2H237 - 5
C2H237 - 4
CH238A 2TAD 0.35 14290 YE-OG
CH239A 2TAD 0.35 14290 BU-WH
LH111D 2TAD 0.35 14290 BN-WH
CH237A 2TAD 0.35 14290 VT-GY
RH111D 2TAD 0.35 14290 GY-BU
HVAC UNIT DEATC
S1H111A
LH111A 2TAD 0.35 14290 BN-WH
S1H111
RH111A 2TAD 0.35 14290 GY-BU
C21 -

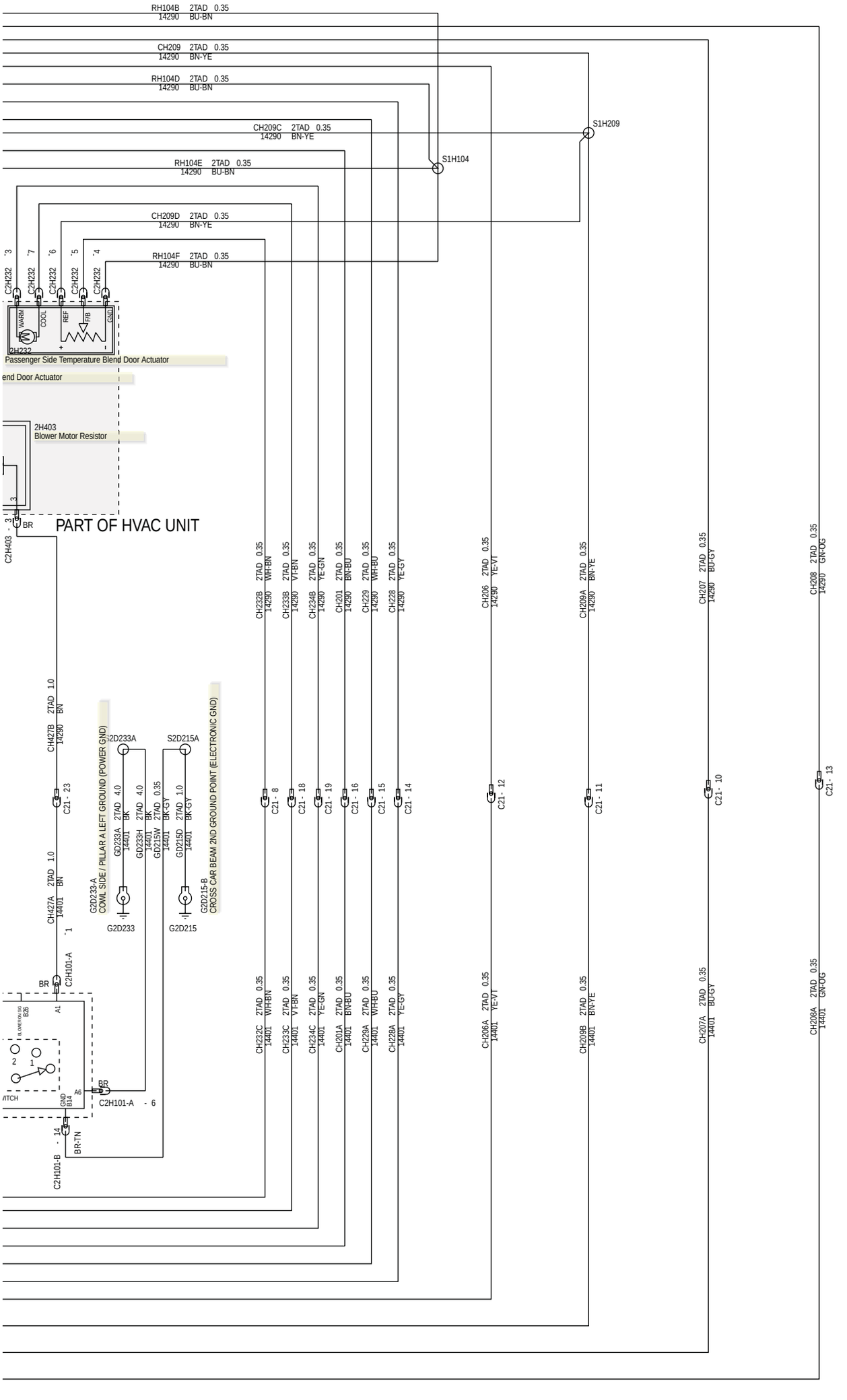

Clutch Field Coil
GD121S 3TBD 0.75
12B637 BK-YE
C1H302 - 2
C11-A - 9
GD121U 3TBD 1.0
14290 BK-YE
S1D121A
GD121F 3TBD 4.0
14290 BK-YE
GD121A 3TBD 4.0
14290 BK-YE
S2D121A
GD121K 3TBD 3.0
14290 BK-YE
G1D121-B
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
1E104
Powertrain Control Module (PCM)
) Dual Pressure Switch
RH105 2TAD 0.35
14401 GN
VH415 2TAD 0.35
14401 GY-YE
VH417 2TAD 0.35
14401 YE-OG
VH416 2TAD 0.35
14401 VT-GY
C2H415 - 5
C2H415 - 4
C2H415 - 2
C2H415 - 1
GND
AMBIENT LIGHT
SUN RIGHT
SUN LEFT
2H415
Sunload Sensor
C2H415 - 3
GD215B 2TAD 0.35
14401 BK-GY
S2D215C
CBP71 2TAD 0.35
14401 BU-OG
CJB)
C21 - 17
C21 - 20
VH101 2TAD 0.35
14401 WH-VT
CH430G 2TAD 0.5
14401 VT-OG
GD215L 2TAD 0.35
14401 BK-GY
GD215A 2TAD 0.75
14401 BK-GY
G2D215-A
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
2H101
Climate Control Module
CH212 2TAD 0.35
14401 BU-OG
C2H101 - 3
RH TEMP DOOR WARM
FET(D)
C2H101 - 12
CH213 2TAD 0.35
14401 BN-GN
C2H101 - 4
RH TEMP DOOR COOL
FET(G)
C2H101 - 26
CH211 2TAD 0.35
14401 YE
C2H101 - 9
RH TEMP DOOR FDBK
BATTERY
C2H101 - 22
CH238 2TAD 0.35
14401 YE-OG
C2H101 - 17
LH TEMP DOOR WARM
CH239 2TAD 0.35
14401 BU-WH
C2H101 - 15
LH TEMP DOOR COOL
MS_CAN_HIGH
C2H101 - 25
VDB06F 2TAD 0.35
14401 GY-OG
TO DATA TRANSFER MS-CAN
CH237 2TAD 0.35
14401 VT-GY
C2H101 - 8
LH TEMP DOOR FDBK
MS_CAN_LOW
VDB07F 2TAD 0.35
14401 VT-OG
TO DATA TRANSFER MS-CAN
C2H101 - 24
LH111 2TAD 0.35
14401 BN-WH
C2H101 - 7
SENSOR VREF
CH233 2TAD 0.35
14401 VT-BN
C2H101 - 1
MODE DOOR FACE
CH234 2TAD 0.35
14401 YE-GN
C2H101 - 2
MODE DOOR DEF
GND
C2H101 - 6
CH232 2TAD 0.35
14401 WH-BN
C2H101 - 19
MODE DOOR FDBK
CH207B 2TAD 0.35
14401 BU-GY
C2H101 - 16
AIR INLET DOOR REC
CH208B 2TAD 0.35
14401 GN-OG
C2H101 - 14
AIR INLET DOOR FRESH
CH206B 2TAD 0.35
14401 YE-VT
C2H101 - 5
AIR INLET DOOR FDBK
CAN
VH406 2TAD 0.35
14401 VT-BN
C2H101 - 11
EVAP TEMP SENS
RH111 2TAD 0.35
14401 GY-BU
C2H101 - 10
SENSOR GND

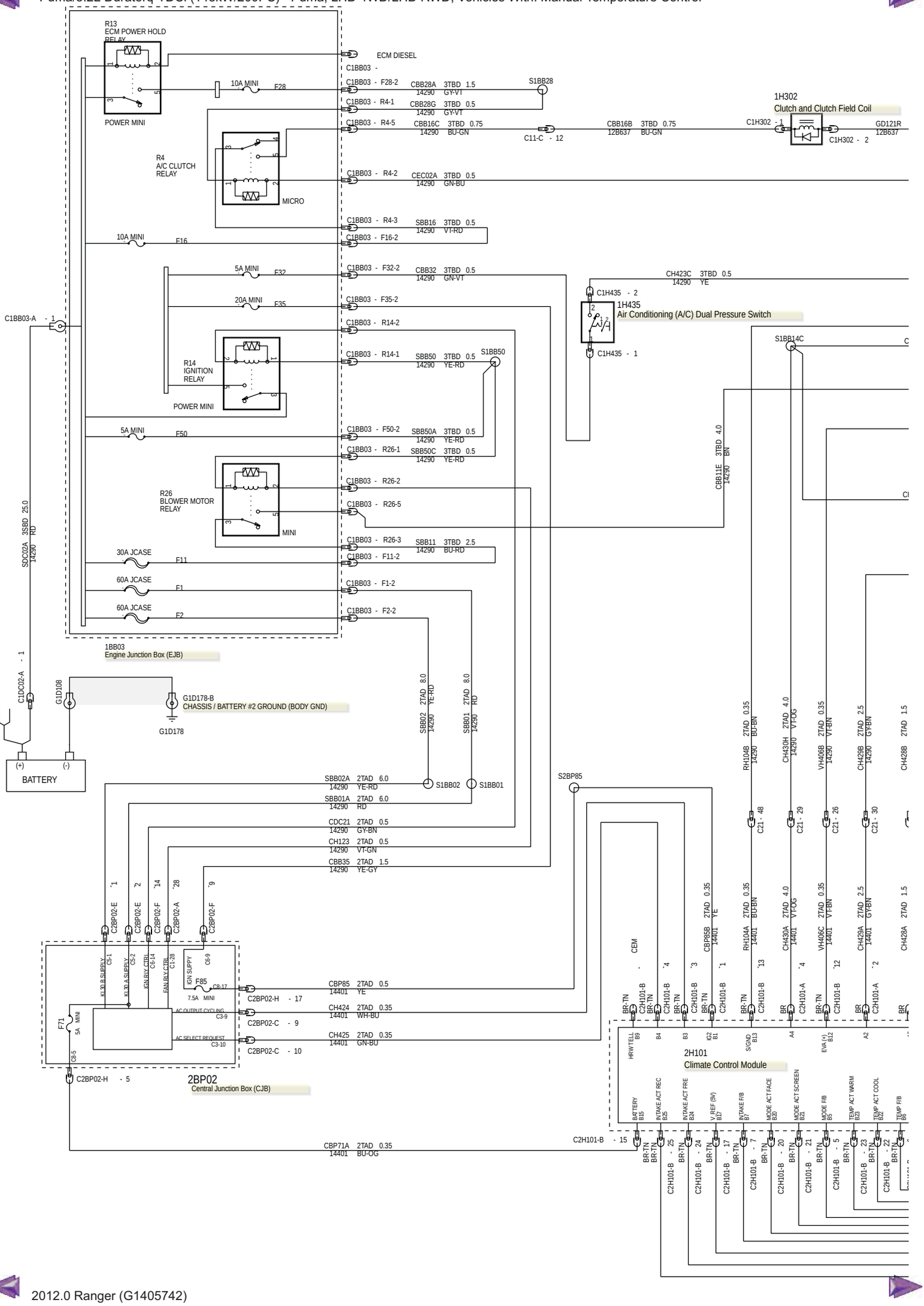
412-01-11 Climate Control—LHD 4WD/LHD RWD, Vehicles Without: Air Conditioning



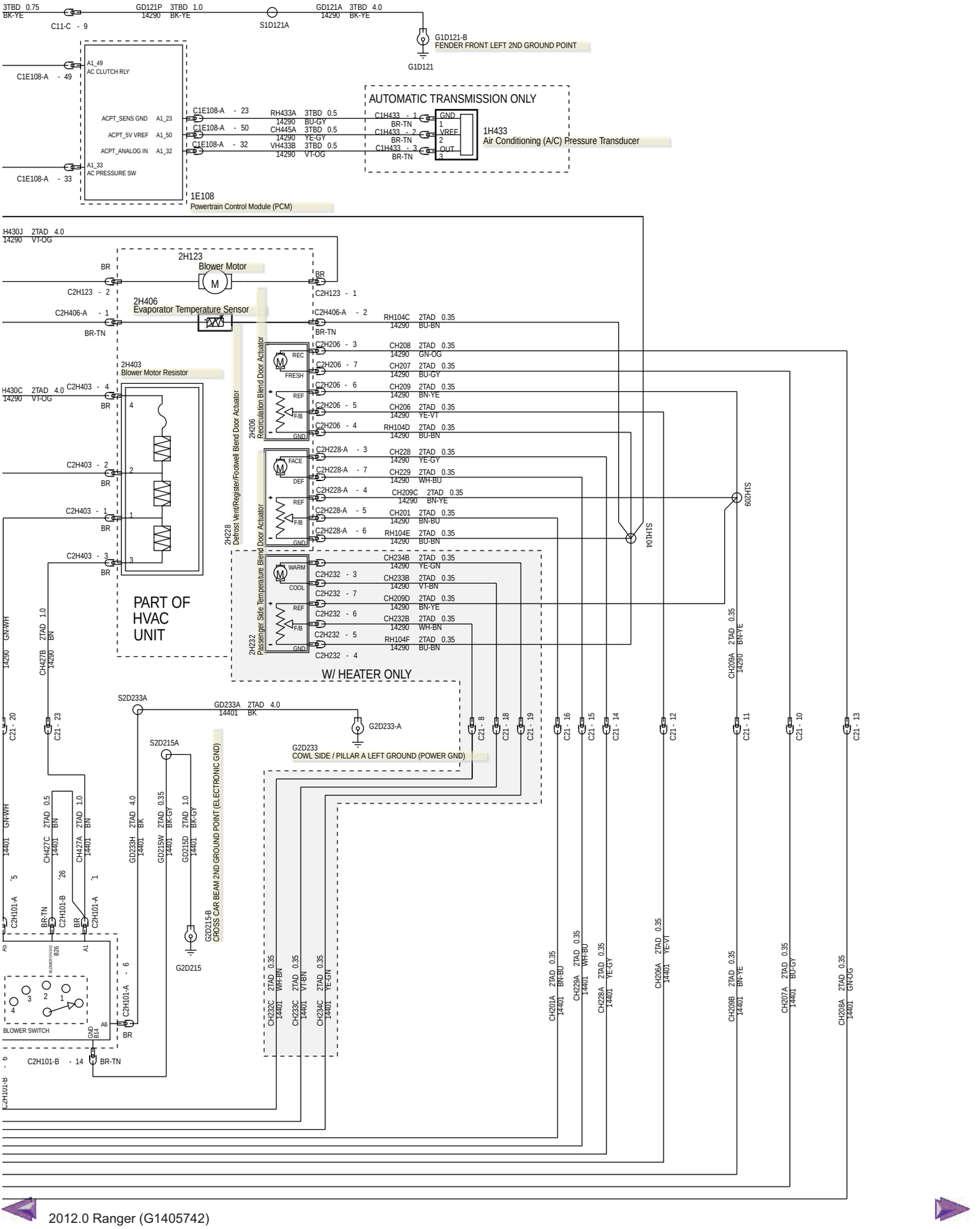

RH104B 2TAD 0.35
14290 BU-BN
CH209 2TAD 0.35
14290 BN-YE
RH104D 2TAD 0.35
14290 BU-BN
CH209C 2TAD 0.35
14290 BN-YE
S1H209
RH104E 2TAD 0.35
14290 BU-BN
S1H104
CH209D 2TAD 0.35
14290 BN-YE
RH104F 2TAD 0.35
14290 BU-BN
C2H232
WARM
COOL
REF
FB
GND
2H232
Passenger Side Temperature Blend Door Actuator
2H403
Blower Motor Resistor
PART OF HVAC UNIT
C2H403
BR
CH427B 2TAD 1.0
14290 BN
C21 - 23
CH427A 2TAD 1.0
14401 BN
C2H101-A
S2D233A
S2D215A
GD233A 2TAD 4.0
14401 BK
GD233H 2TAD 4.0
14401 BK
GD215W 2TAD 0.35
14401 BK-GY
GD215D 2TAD 1.0
14401 BK-GY
G2D233-A
COWL SIDE / PILLAR A LEFT GROUND (POWER GND)
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D233
G2D215
C2H101-A - 6
C2H101-B - 14
BR-TN
CH232B 2TAD 0.35
14290 WH-BN
CH233B 2TAD 0.35
14290 VI-BN
CH234B 2TAD 0.35
14290 YE-GN
CH201 2TAD 0.35
14290 BN-BU
CH229 2TAD 0.35
14290 WH-BU
CH228 2TAD 0.35
14290 YE-GY
CH206 2TAD 0.35
14290 YE-VI
CH209A 2TAD 0.35
14290 BN-YE
CH207 2TAD 0.35
14290 BU-GY
CH208 2TAD 0.35
14290 GN-OG
C21 - 8
C21 - 18
C21 - 19
C21 - 16
C21 - 15
C21 - 14
C21 - 12
C21 - 11
C21 - 10
C21 - 13
CH232C 2TAD 0.35
14401 WH-BN
CH233C 2TAD 0.35
14401 VI-BN
CH234C 2TAD 0.35
14401 YE-GN
CH201A 2TAD 0.35
14401 BN-BU
CH229A 2TAD 0.35
14401 WH-BU
CH228A 2TAD 0.35
14401 YE-GY
CH206A 2TAD 0.35
14401 YE-VI
CH209B 2TAD 0.35
14401 BN-YE
CH207A 2TAD 0.35
14401 BU-GY
CH208A 2TAD 0.35
14401 GN-OG


20A MINI
F35
C1BB03 - F35-2
CBB35 2TAD 1.5
14290 YE-GY
C1BB03 - R14-2
CDC21 2TAD 0.5
14290 GY-BN
C1BB03 - R14-1
SBB50 3TBD 0.5
14290 YE-RD
S1BB50
R14
IGNITION
RELAY
POWER MINI
5A MINI
F50
C1BB03 - F50-2
SBB50A 3TBD 0.5
14290 YE-RD
SBB50C 3TBD 0.5
14290 YE-RD
C1BB03 - R26-1
C1BB03-A - 1
R26
BLOWER MOTOR
RELAY
MINI
C1BB03 - R26-2
CH123 2TAD 0.5
14290 VI-GN
C1BB03 - R26-5
CBB11D 3TBD 4.0
14290 BN
C1BB03 - R26-3
SBB11 3TBD 2.5
14290 BU-RD
30A JCASE
F11
C1BB03 - F11-2
60A JCASE
F1
C1BB03 - F1-2
60A JCASE
F2
C1BB03 - F2-2
SDC02A 3SBD 25.0
14290 RD
1BB03
Engine Junction Box (EJB)
C1DC02-A - 1
G1D108
SBB02 2TAD 8.0
14290 YE-RD
SBB01 2TAD 8.0
14290 RD
S1BB02
S1BB01
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
SBB02A 2TAD 6.0
14290 YE-RD
SBB01A 2TAD 6.0
14290 RD
C2H123 - 1
C2H206 - 3
C2H206 - 7
C2H206 - 6
C2H206 - 5
C2H206 - 4
C2H228-A - 3
C2H228-A - 7
C2H228-A - 4
C2H228-A - 5
C2H228-A - 6
BR
2H123
Blower Motor
REC
FRESH
REF
F/B
GND
FACE
DEF
2H206
Recirculation Blend Door Actuator
2H228
Defrost Vent/Register/Footwell Bl
C2H123 - 2
CH430B 2TAD 4.0
14290 VI-OG
C2H403 - 4
C2H403 - 2
C2H403 - 1
CH430C 2TAD 4.0
14290 VI-OG
S1BB14C
CH430H 2TAD 4.0
14290 VI-OG
CH429B 2TAD 2.5
14290 GY-BN
CH428B 2TAD 1.5
14290 GN-WH
C2BP02-E - 1
C2BP02-E - 2
C2BP02-F - 14
C2BP02-A - 28
C2BP02-F - 9
K130.B SUPPLY C5-1
K130.A SUPPLY C5-2
IGN RLY CTRL C6-14
FAN RLY CTRL C1-28
IGN SUPPY C6-9
F85
7.5A MINI
C8-17
F71
5A MINI
C8-5
C2BP02-H - 17
CBP85 2TAD 0.5
14401 YE
S2BP85
CBP85B 2TAD 0.35
14401 YE
C2BP02-H - 5
2BP02
Central Junction Box (CJB)
RH104A 2TAD 0.35
14401 BU-BN
CH430A 2TAD 4.0
14401 VI-OG
CH429A 2TAD 2.5
14401 GY-BN
CH428A 2TAD 1.5
14401 GN-WH
C21 - 48
C21 - 29
C21 - 30
C21 - 20
2H101
Climate Control Module
C2H101-B - 1
C2H101-B - 13
C2H101-A - 4
C2H101-A - 2
C2H101-A - 5
HRW TELL B9
B4
B3
IG2 B1
S/GND B13
A4
EVA (+) B12
A2
A5
BATTERY B15
INTAKE ACT REC B25
INTAKE ACT FRE B24
V_REF (5V) B17
INTAKE F/B B7
MODE ACT FACE B20
MODE ACT SCREEN B21
MODE F/B B5
TEMP ACT WARM B23
TEMP ACT COOL B22
TEMP F/B B6
BLOWER SW
C2H101-B - 15
CBP71A 2TAD 0.35
14401 BU-OG
C2H101-B - 25
C2H101-B - 24
C2H101-B - 17
C2H101-B - 7
C2H101-B - 20
C2H101-B - 21
C2H101-B - 5
C2H101-B - 23
C2H101-B - 22
C2H101-B - 6

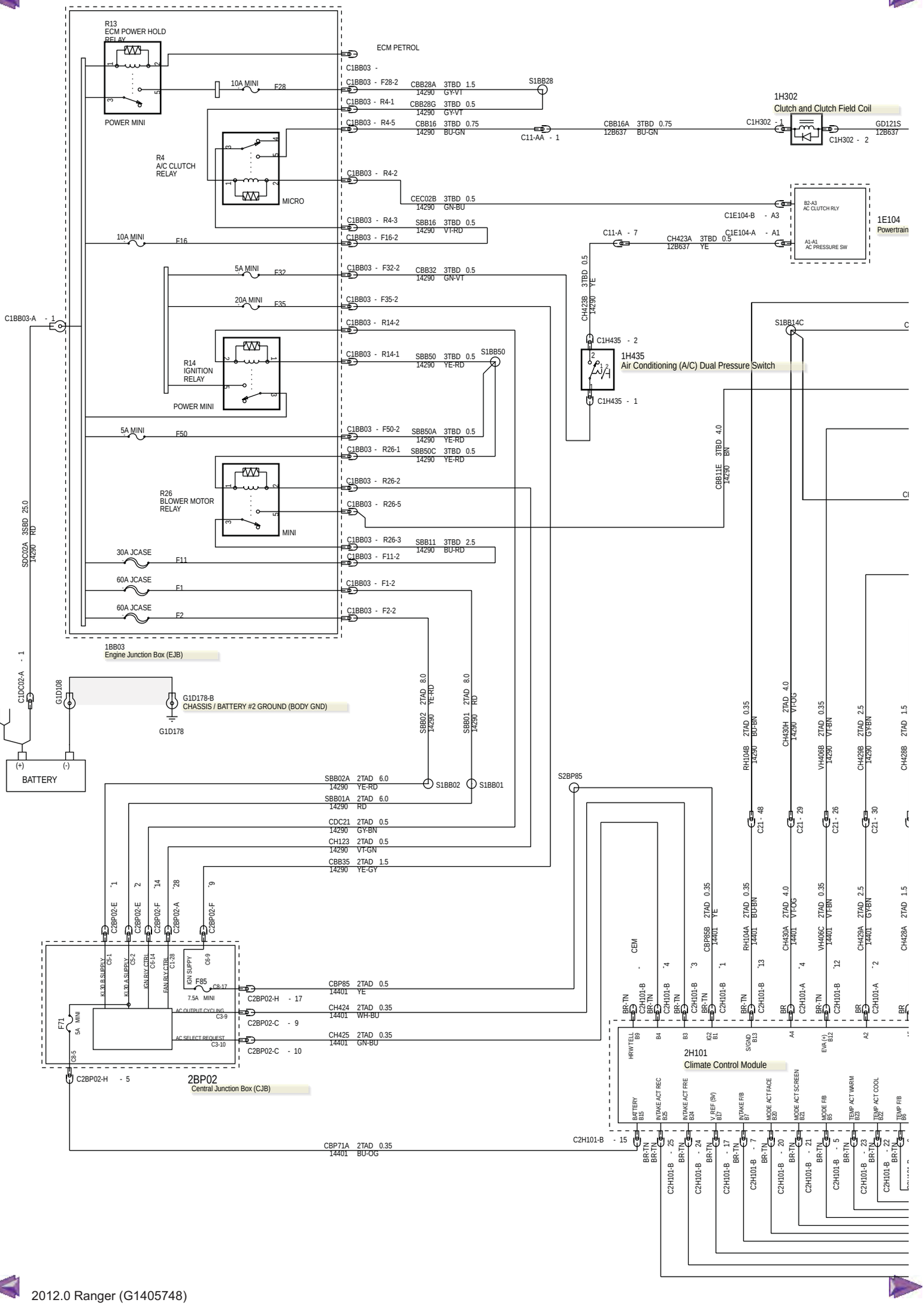

RH104B 2TAD 0.35
14290 BU-BN
CH209 2TAD 0.35
14290 BN-YE
RH104D 2TAD 0.35
14290 BU-BN
CH209C 2TAD 0.35
14290 BN-YE
S1H209
S1H104
RH104E 2TAD 0.35
14290 BU-BN
CH209D 2TAD 0.35
14290 BN-YE
RH104F 2TAD 0.35
14290 BU-BN
C2H232
WARM
COOL
REF
FB
GND
2H232
Passenger Side Temperature Blend Door Actuator
end Door Actuator
2H403
Blower Motor Resistor
PART OF HVAC UNIT
C2H403
BR
CH427B 2TAD 1.0
14290 BN
C21 - 23
CH427A 2TAD 1.0
14401 BN
C2H101-A
G2D233-A
COWL SIDE / PILLAR A LEFT GROUND (POWER GND)
G2D233A
G2D233
S2D233A
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
GD233A 2TAD 4.0 BK
GD233H 2TAD 4.0 BK
GD215W 2TAD 0.35 BK-GY
GD215D 2TAD 1.0 BK-GY
CH232B 2TAD 0.35 14290 WH-BN
CH233B 2TAD 0.35 14290 VI-BN
CH234B 2TAD 0.35 14290 YE-GN
CH201 2TAD 0.35 14290 BN-BU
CH229 2TAD 0.35 14290 WH-BU
CH228 2TAD 0.35 14290 YE-GY
CH206 2TAD 0.35 14290 YE-VI
CH209A 2TAD 0.35 14290 BN-YE
CH207 2TAD 0.35 14290 BU-GY
CH208 2TAD 0.35 14290 GN-OG
C21 - 8
C21 - 18
C21 - 19
C21 - 16
C21 - 15
C21 - 14
C21 - 12
C21 - 11
C21 - 10
C21 - 13
CH232C 2TAD 0.35 14401 WH-BN
CH233C 2TAD 0.35 14401 VI-BN
CH234C 2TAD 0.35 14401 YE-GN
CH201A 2TAD 0.35 14401 BN-BU
CH229A 2TAD 0.35 14401 WH-BU
CH228A 2TAD 0.35 14401 YE-GY
CH206A 2TAD 0.35 14401 YE-VI
CH209B 2TAD 0.35 14401 BN-YE
CH207A 2TAD 0.35 14401 BU-GY
CH208A 2TAD 0.35 14401 GN-OG
C2H101-A - 6
C2H101-B - 14
BR-TN
GND 814
A6
A1
2
1


R13
ECM POWER HOLD RELAY
POWER MINI
ECM DIESEL
C1BB03 -
10A MINI F28
C1BB03 - F28-2
CBB28A 3TBD 1.5
14290 GY-VT
S1BB28
C1BB03 - R4-1
CBB28G 3TBD 0.5
14290 GY-VT
C1BB03 - R4-5
CBB16C 3TBD 0.75
14290 BU-GN
C11-C - 12
CBB16B 3TBD 0.75
12B637 BU-GN
1H302
Clutch and Clutch Field Coil
C1H302 - 1
C1H302 - 2
GD121R 12B637
R4
A/C CLUTCH RELAY
MICRO
C1BB03 - R4-2
CEC02A 3TBD 0.5
14290 GN-BU
C1BB03 - R4-3
SBB16 3TBD 0.5
14290 VT-RD
10A MINI F16
C1BB03 - F16-2
5A MINI F32
C1BB03 - F32-2
CBB32 3TBD 0.5
14290 GN-VT
CH423C 3TBD 0.5
14290 YE
C1H435 - 2
1H435
Air Conditioning (A/C) Dual Pressure Switch
C1H435 - 1
20A MINI F35
C1BB03 - F35-2
C1BB03 - R14-2
C1BB03-A - 1
R14
IGNITION RELAY
POWER MINI
C1BB03 - R14-1
SBB50 3TBD 0.5
14290 YE-RD
S1BB50
S1BB14C
5A MINI F50
C1BB03 - F50-2
SBB50A 3TBD 0.5
14290 YE-RD
C1BB03 - R26-1
SBB50C 3TBD 0.5
14290 YE-RD
CBB11E 3TBD 4.0
14290 BN
R26
BLOWER MOTOR RELAY
MINI
C1BB03 - R26-2
C1BB03 - R26-5
SDC02A 3SBD 25.0
14290 RD
C1BB03 - R26-3
SBB11 3TBD 2.5
14290 BU-RD
30A JCASE F11
C1BB03 - F11-2
60A JCASE F1
C1BB03 - F1-2
60A JCASE F2
C1BB03 - F2-2
1BB03
Engine Junction Box (EJB)
C1DC02-A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
SBB02 2TAD 8.0
14290 YE-RD
SBB01 2TAD 8.0
14290 RD
(+)
(-)
BATTERY
SBB02A 2TAD 6.0
14290 YE-RD
S1BB02
SBB01A 2TAD 6.0
14290 RD
S1BB01
S2BP85
CDC21 2TAD 0.5
14290 GY-BN
CH123 2TAD 0.5
14290 VT-GN
CBB35 2TAD 1.5
14290 YE-GY
RH104B 2TAD 0.35
14290 BU-BN
CH430H 2TAD 4.0
14290 VT-OG
VH406B 2TAD 0.35
14290 VT-BN
CH429B 2TAD 2.5
14290 GY-BN
CH428B 2TAD 1.5
C21 - 48
C21 - 29
C21 - 26
C21 - 30
C2BP02-E
C2BP02-E
C2BP02-F
C2BP02-A
C2BP02-F
K130 B SUPPLY C5-1
K130 A SUPPLY C5-2
IGN RLY CTRL C6-14
FAN RLY CTRL C1-28
IGN SUPPLY C6-9
F85 C8-17
7.5A MINI
F71
5A MINI
C8-5
AC OUTPUT CYCLING C3-9
AC SELECT REQUEST C3-10
C2BP02-H - 17
C2BP02-C - 9
C2BP02-C - 10
C2BP02-H - 5
2BP02
Central Junction Box (CJB)
CBP85 2TAD 0.5
14401 YE
CH424 2TAD 0.35
14401 WH-BU
CH425 2TAD 0.35
14401 GN-BU
CBP85B 2TAD 0.35
14401 YE
RH104A 2TAD 0.35
14401 BU-BN
CH430A 2TAD 4.0
14401 VT-OG
VH406C 2TAD 0.35
14401 VT-BN
CH429A 2TAD 2.5
14401 GY-BN
CH428A 2TAD 1.5
CEM
C2H101-B
BR-TN
HRW TELL B9
B4
B3
IG2 B1
S/GND B13
A4
EVA (+) B12
A2
2H101
Climate Control Module
BATTERY B15
INTAKE ACT REC B25
INTAKE ACT FRE B24
V_REF (5V) B17
INTAKE F/B B7
MODE ACT FACE B20
MODE ACT SCREEN B21
MODE F/B B5
TEMP ACT WARM B23
TEMP ACT COOL B22
TEMP F/B B6
CBP71A 2TAD 0.35
14401 BU-OG
C2H101-B - 15
C2H101-B - 25
C2H101-B - 24
C2H101-B - 17
C2H101-B - 7
C2H101-B - 20
C2H101-B - 21
C2H101-B - 5
C2H101-B - 23
C2H101-B - 22

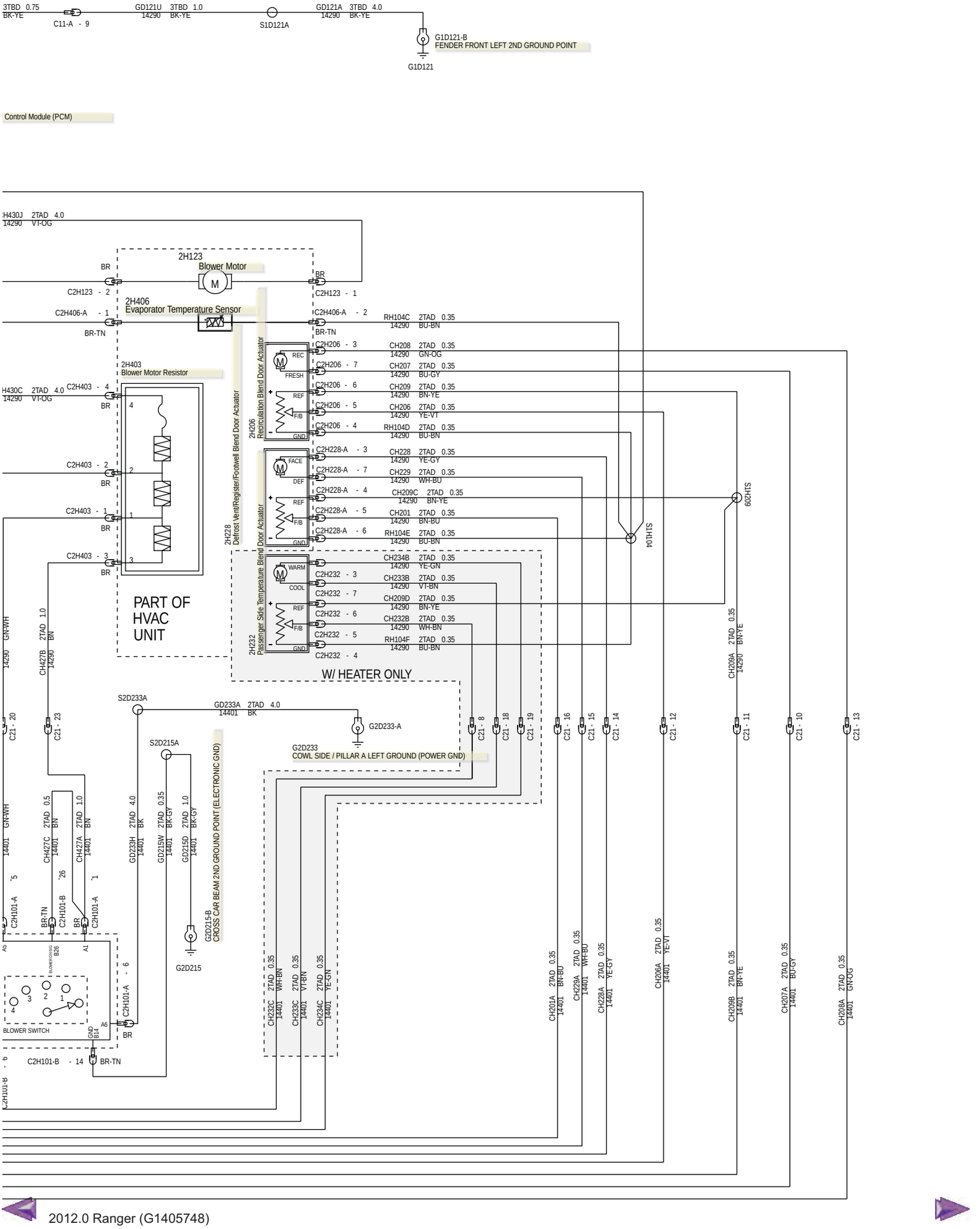
412-01-16 Climate Control—2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma/3.2L Duratorq-TDCi (148kW/200PS) - Puma, LHD 4WD/LHD RWD, Vehicles With: Manual Temperature Control



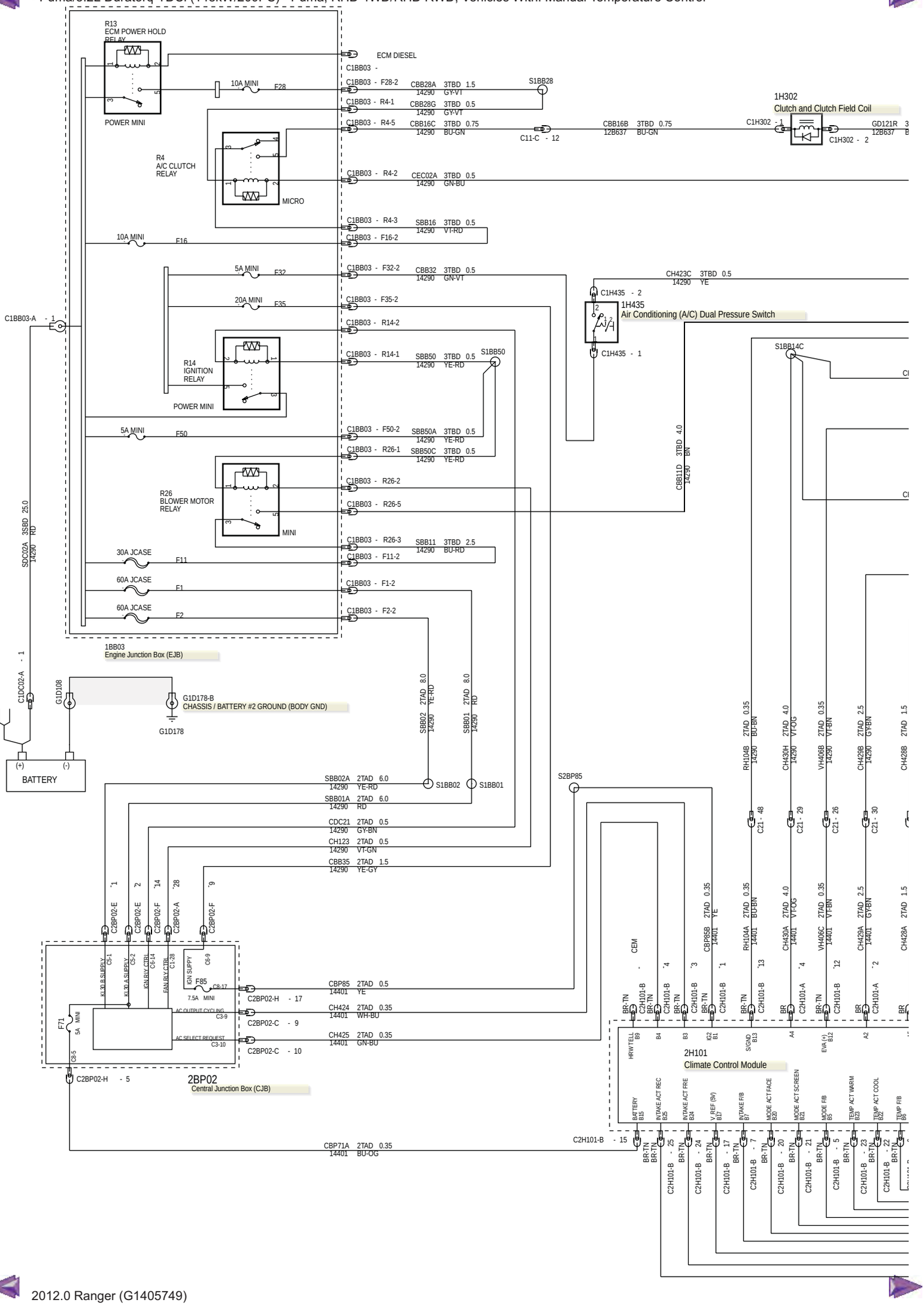
412-01-17 Climate Control—2.5L Duratec-HE (122kW/165PS) - MI4, LHD 4WD/LHD RWD, Vehicles With: Manual Temperature Control



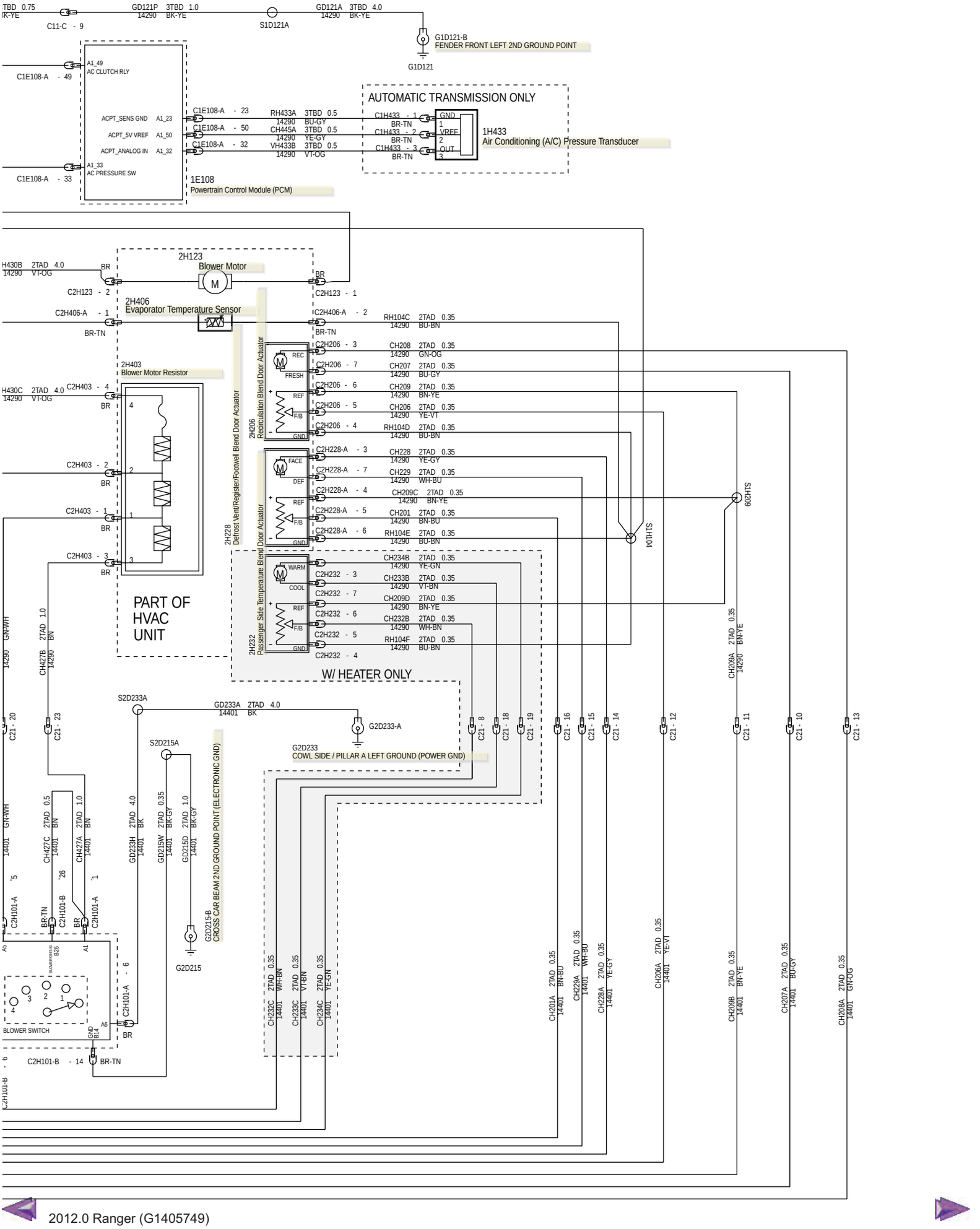
412-01-18 Climate Control—2.5L Duratec-HE (122kW/165PS) - MI4, LHD 4WD/LHD RWD, Vehicles With: Manual Temperature Control



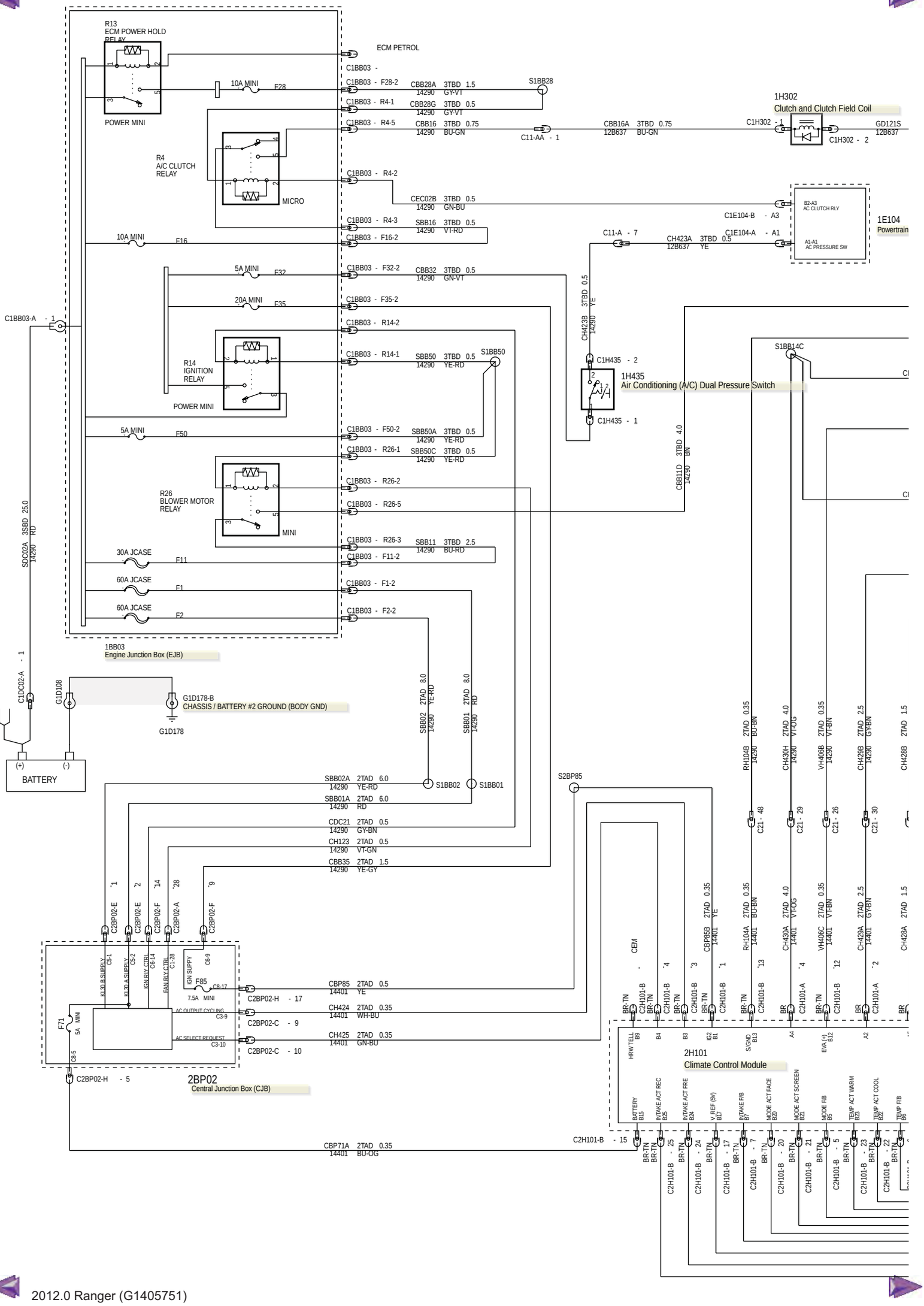
412-01-19 Climate Control—2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma/3.2L Duratorq-TDCi (148kW/200PS) - Puma, RHD 4WD/RHD RWD, Vehicles With: Manual Temperature Control



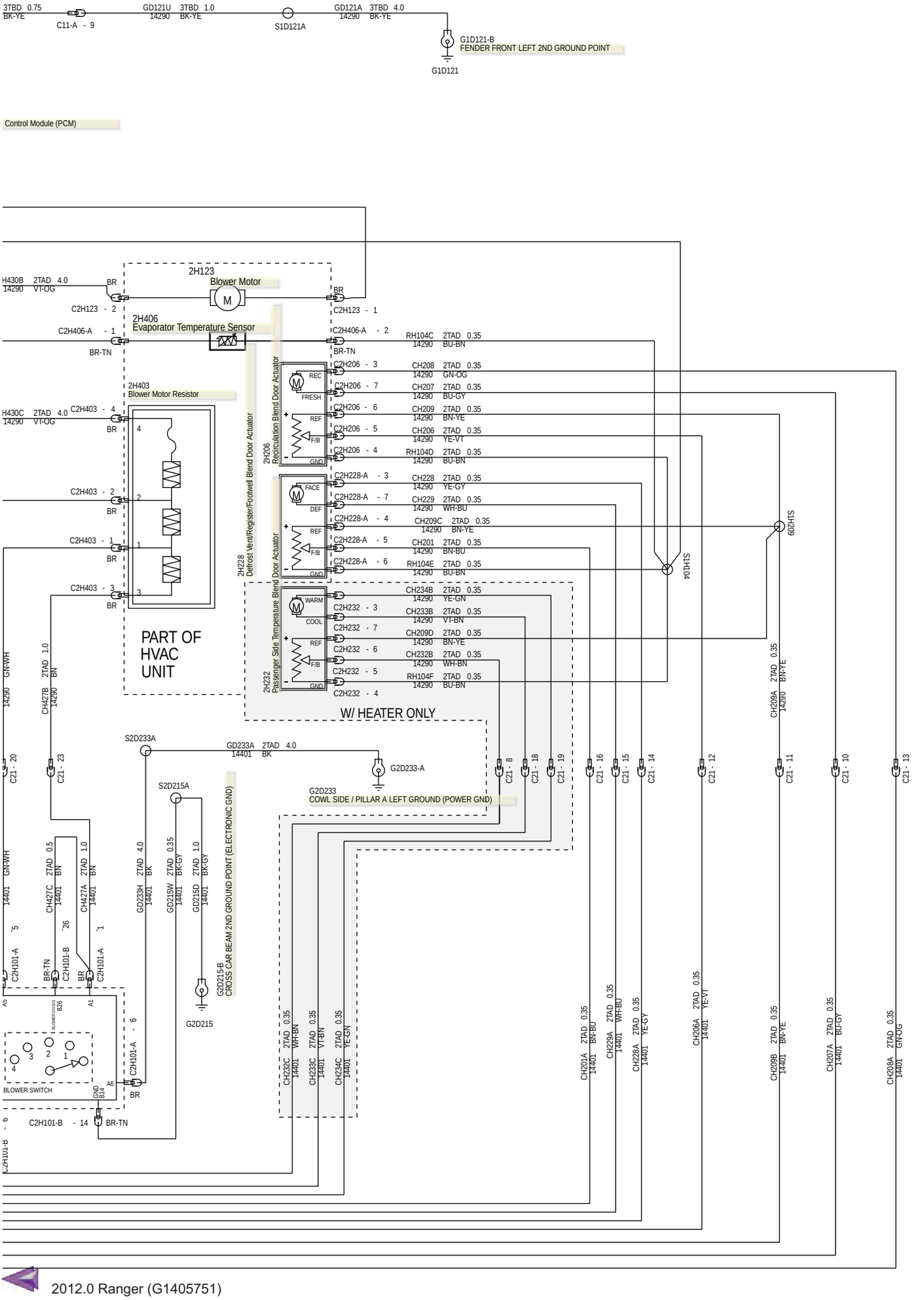
412-01-20 Climate Control—2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma/3.2L Duratorq-TDCi (148kW/200PS) - Puma, RHD 4WD/RHD RWD, Vehicles With: Manual Temperature Control



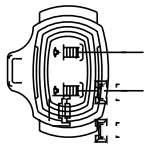
412-01-21 Climate Control—2.5L Duratec-HE (122kW/165PS) - MI4, RHD 4WD/RHD RWD, Vehicles With: Manual Temperature Control



412-01-22 Climate Control—2.5L Duratec-HE (122kW/165PS) - MI4, RHD 4WD/RHD RWD, Vehicles With: Manual Temperature Control



Air Conditioning (A/C) Dual Pressure Switch (G1404297)

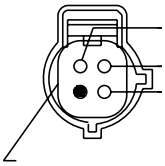


2 CH423C YE 3TBD 0.5 + CH423B YE 3TBD 0.5

1 CBB32 GN-VT 3TBD 0.5

7323-9327
C1H435
TO AC PRESSURE SWITCH
HARNESS 14290

Air Conditioning (A/C) Pressure Transducer (G1404298)



2 CH445A YE-GY 3TBD 0.5 BR-TN

1 RH433A BU-GY 3TBD 0.5 BR-TN

3 VH433B VT-OG 3TBD 0.5 BR-TN

F75B-14A464-AGA

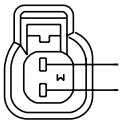
C1H433

TO PRESSURE TRANSDUCER

HARNESS 14290

Ambient Air Temperature Sensor (G1404299)

PIN 1 => RE335 BN-VT 0.5 3TBD
PIN 2 => VE750 GN-BU 0.5 3TBD



1 RE335A BN-VT 3TBD 0.5

2 VE750A GN-BU 3TBD 0.5

1S7T-14A464-CB

C1E335

TO AMBIENT TEMP SENSOR

HARNESS 14290

Blower Motor (G1404300)

PIN 1 => CBB11A BN 4.0 3TBD
PIN 1 => CBB11A BN 4.0 3TBD + CH430K VT-OG 4.0 2TAD
PIN 1 => CH430J VT-OG 4.0 2TAD + CBB11D BN 4.0 3TBD
PIN 2 => CBB11F BN 4.0 3TBD
PIN 2 => CH430D VT-OG 4.0 2TAD + CBB11F BN 4.0 3TBD



1 CBB11D BN 3TBD 4.0 + CH430J VT-OG 2TAD 4.0 BR

2 CBB11E BN 3TBD 4.0 + CH430B VT-OG 2TAD 4.0 BR

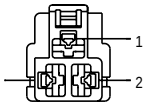
YC1T-14489-DA

C2H123

TO HVAC UNIT3 HEATER BLOWER MOTOR

HARNESS 14290

Blower Motor Control Module (G1404301)



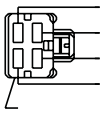
VH101A WH-VT 2TAD 0.50 BR 3

1 CH430F VT-OG 3TBD 3.0 BR
2 GD121K BK-YE 3TBD 3.0 BR

KUM-PH776-03027
C2H102
TO FET

HARNESS 14290

Blower Motor Resistor (G1404307)



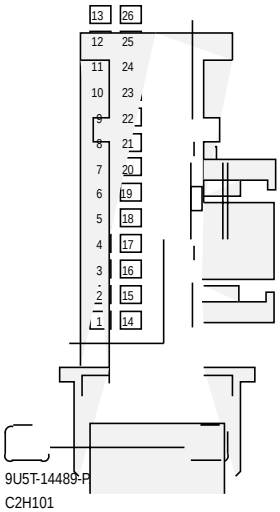
4 CH430C VT-OG 2TAD 4.0 BR
2 CH429B GY-BN 2TAD 2.5 BR
1 CH428B GN-WH 2TAD 1.5 BR
3 CH427B BN 2TAD 1.0 BR

YC1T-14489-EA

C2H403
TO HVAC UNIT1 BLOWER SERIES RESISTOR

HARNESS 14290

Climate Control Module (G1404308)



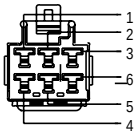
1 CH233 VT-BN 2TAD 0.35
2 CH234 YE-GN 2TAD 0.35
3 CH212 BU-OG 2TAD 0.35
4 CH213 BN-GN 2TAD 0.35
5 CH206B YE-VT 2TAD 0.35
6 GD215L BK-GY 2TAD 0.35
7 LH111 BN-WH 2TAD 0.35
8 CH237 VT-GY 2TAD 0.35
9 CH211 YE 2TAD 0.35
10 RH111 GY-BU 2TAD 0.35
11 VH406 VT-BN 2TAD 0.35
12 CH430G VT-OG 2TAD 0.5
13
14 CH208B GN-OG 2TAD 0.35
15 CH239 BU-WH 2TAD 0.35
16 CH207B BU-GY 2TAD 0.35
17 CH238 YE-OG 2TAD 0.35
18
19 CH232 WH-BN 2TAD 0.35
20
21
22 CBP71 BU-OG 2TAD 0.35
23
24 VDB07F VT-OG 2TAD 0.35
25 VDB06F GY-OG 2TAD 0.35
26 VH101 WH-VT 2TAD 0.35

9U5T-14489-P
C2H101
TO DEATC

HARNESS 14401

Climate Control Module—A (G1404309)

PIN 1 => CH427A BN 1.0 2TAD

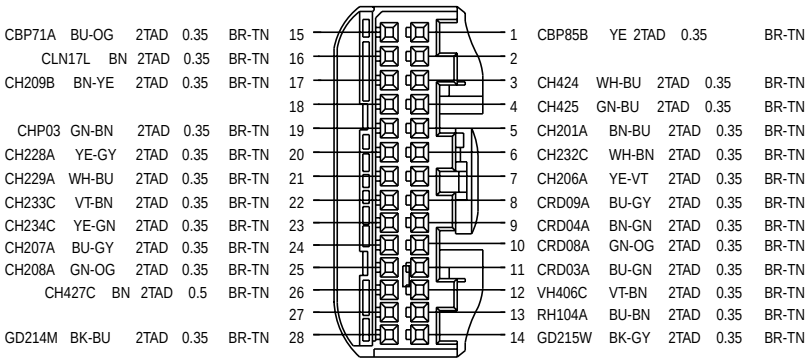


1 CH427C BN 2TAD 0.5 BR
2 CH429A GY-BN 2TAD 2.5 BR
3
6 GD233H BK 2TAD 4.0 BR
5 CH428A GN-WH 2TAD 1.5 BR
4 CH430A VT-OG 2TAD 4.0 BR

7283-1169
C2H101-A
TO HVAC CONTROL HEAD MANUAL AC HEATER1 (BLOWER SWITCH)

HARNESS 14401

Climate Control Module—B (G1404310)



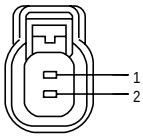
C2H101-B
1565380-1

TO HVAC CONTROL HEAD MANUAL AC HEATER2 (PCB MAIN)

HARNESS 14401

Clutch and Clutch Field Coil (G1404311)

PIN 1 => CBB16A BU-GN 0.75 3TBD + CBB16B BU-GN 0.75 3TBD
PIN 2 => GD121S BK-YE 0.75 3TBD + GD121R BK-YE 0.75 3TBD

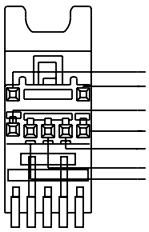


4W7T-14A464-CB

C1H302
TO AC COMPRESSOR

HARNESS 12B637

Defrost Vent/Register/Footwell Blend Door Actuator (G1404318)



2					
1					
7	CH234A	YE-GN	2TAD	0.35	BR-TN
3	CH233A	VT-BN	2TAD	0.35	BR-TN
4	LH111C	BN-WH	2TAD	0.35	BR-TN
5	CH232A	WH-BN	2TAD	0.35	BR-TN
6	RH111C	GY-BU	2TAD	0.35	BR-TN

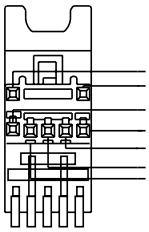
C2H228

PH845-07010

TO MODE DOOR

HARNESS 14290

Defrost Vent/Register/Footwell Blend Door Actuator—A (G1404319)



2				
1				
7	CH229	WH-BU	2TAD	0.35
3	CH228	YE-GY	2TAD	0.35
4	CH209C	BN-YE	2TAD	0.35
5	CH201	BN-BU	2TAD	0.35
6	RH104E	BU-BN	2TAD	0.35

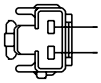
C2H228-A

PH845-07010

TO HVAC UNIT1 MODE DOOR ACTUATOR

HARNESS 14290

Evaporator Temperature Sensor (G1404320)



2	RH111F	GY-BU	2TAD	0.35	BR-TN
1	VH406A	VT-BN	2TAD	0.35	BR-TN

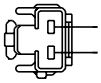
7T4T-14489-CA

C2H406

TO EVAPORATOR TEMP SENSOR

HARNESS 14290

Evaporator Temperature Sensor—A (G1404321)



2	RH104C	BU-BN	2TAD	0.35	BR-TN
1	VH406B	VT-BN	2TAD	0.35	BR-TN

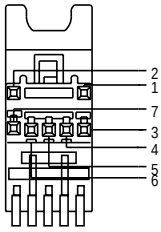
7T4T-14489-CA

C2H406-A

TO HVAC UNIT2 EVAPORATOR TEMP SENSOR

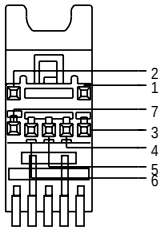
HARNESS 14290

Recirculation Blend Door Actuator (G1404322)



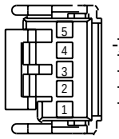
C2H206
PH845-07010
TO HVAC UNIT RECIRCULATION ACTUATOR
HARNESS 14290

Recirculation Blend Door Actuator—A (G1404323)



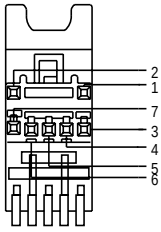
C2H206-A
PH845-07010
TO AIR INLET DOOR
HARNESS 14290

Sunload Sensor (G1404326)



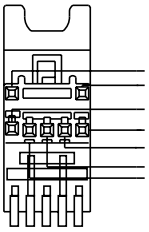
6W8T-14489-AHA
C2H415
TO SUN LOAD SENSOR
HARNESS 14401

Temperature Blend Door Actuator (G1404327)



C2H232
PH845-07010
TO HVAC UNIT1 TEMP DOOR ACTUATOR
HARNESS 14290

Temperature Blend Door Actuator LH (G1406232)



2						
1						
7	CH239A	BU-WH	2TAD	0.35	BR-TN	
3	CH238A	YE-OG	2TAD	0.35	BR-TN	
4	RH111D	GY-BU	2TAD	0.35	BR-TN	
5	CH237A	VT-GY	2TAD	0.35	BR-TN	
6	LH111D	BN-WH	2TAD	0.35	BR-TN	

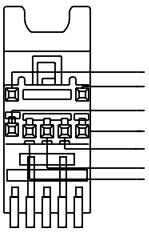
C2H237

PH845-07010

TO LH TEMP DOOR

HARNESS 14290

Temperature Blend Door Actuator RH (G1406233)



2						
1						
7	CH213A	BN-GN	2TAD	0.35	BR-TN	
3	CH212A	BU-OG	2TAD	0.35	BR-TN	
4	RH111E	GY-BU	2TAD	0.35	BR-TN	
5	CH211A	YE	2TAD	0.35	BR-TN	
6	LH111E	BN-WH	2TAD	0.35	BR-TN	

C2H211

PH845-07010

TO RH TEMP DOOR

HARNESS 14290

SECTION 413-01 Instrument Cluster

VEHICLE APPLICATION: 2012.0 Ranger

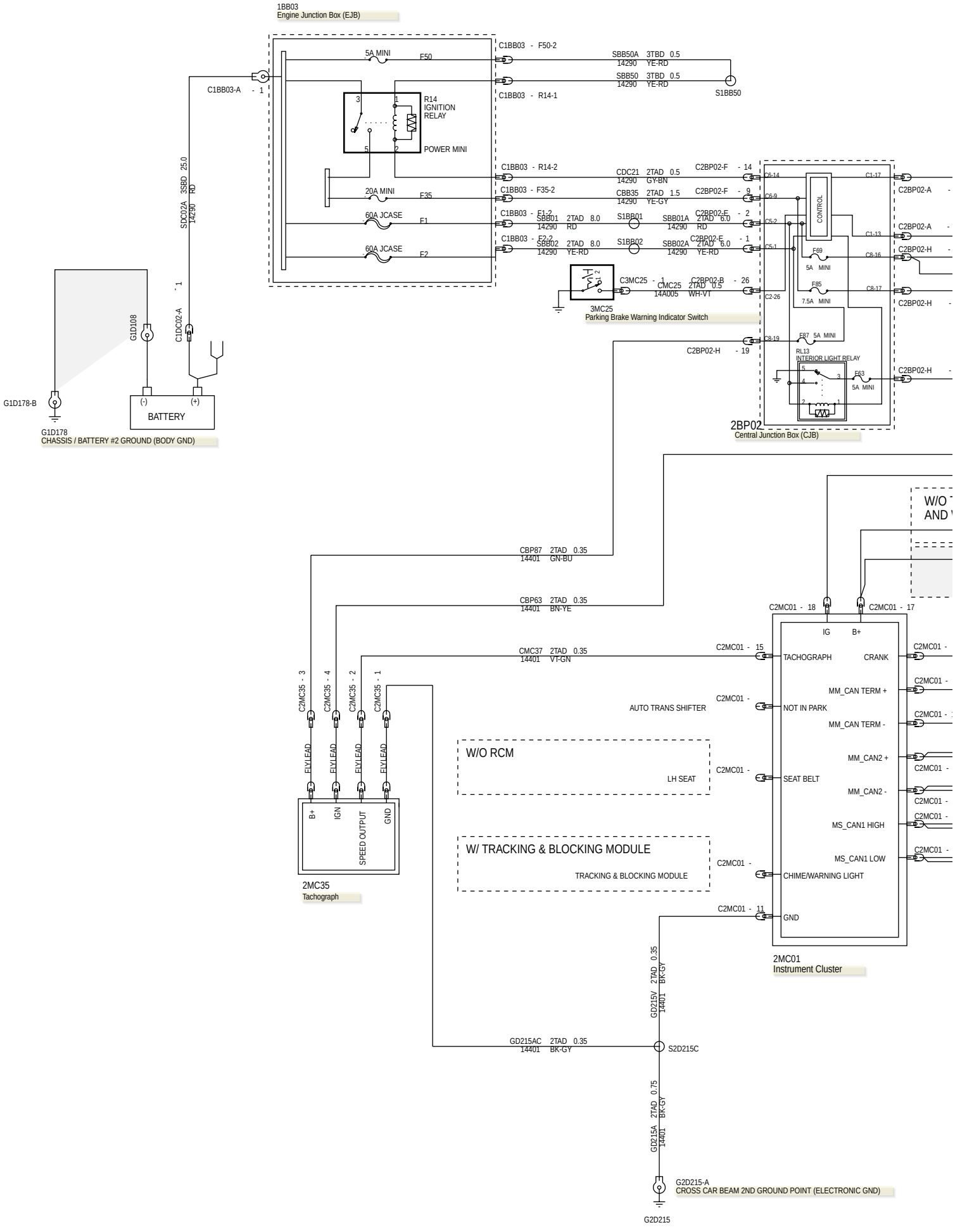
CONTENTS PAGE

ELECTRICAL SCHEMATICS

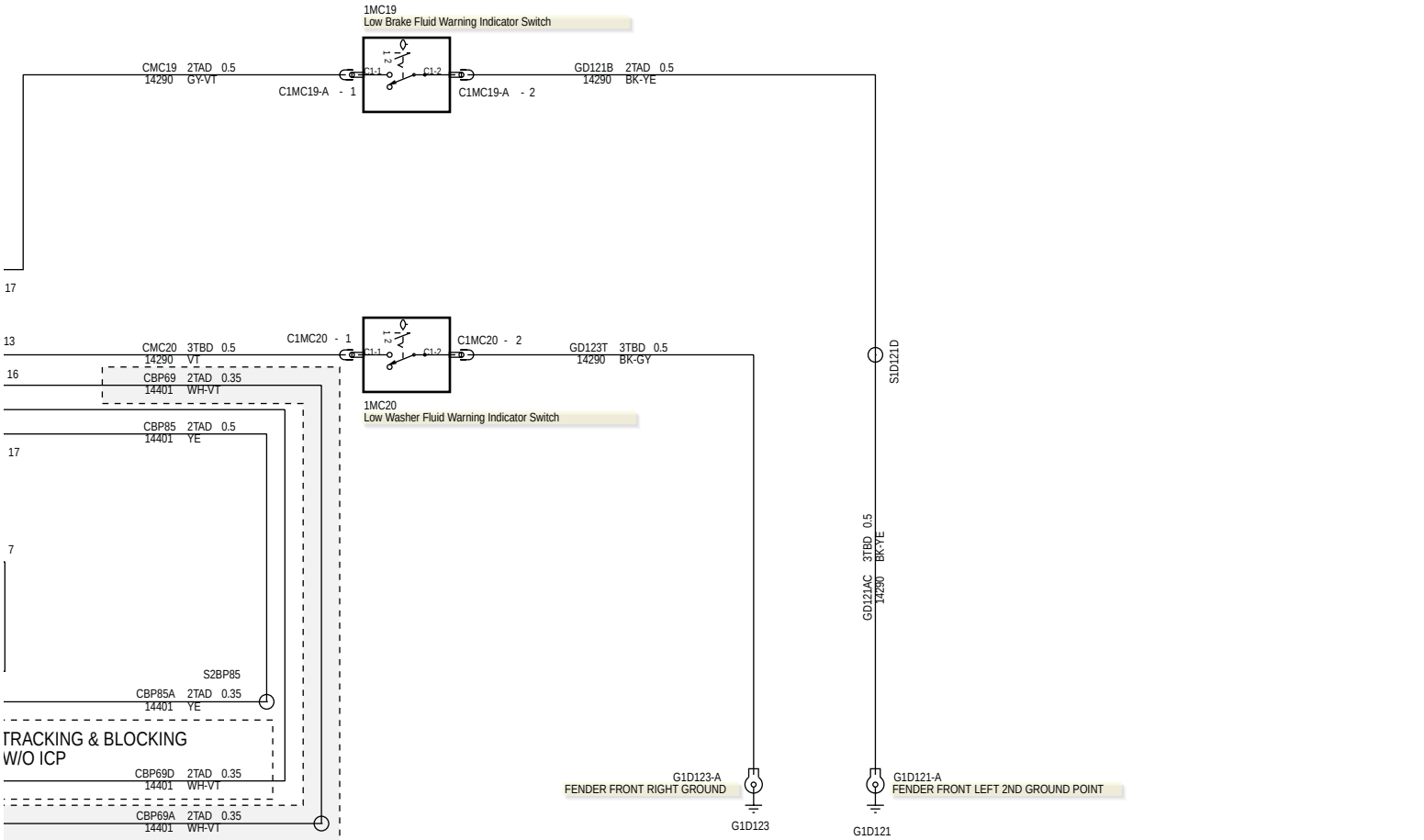
Instrument Cluster — LHD 4WD/LHD RWD..... 413-01-2
Instrument Cluster — RHD 4WD/RHD RWD..... 413-01-4

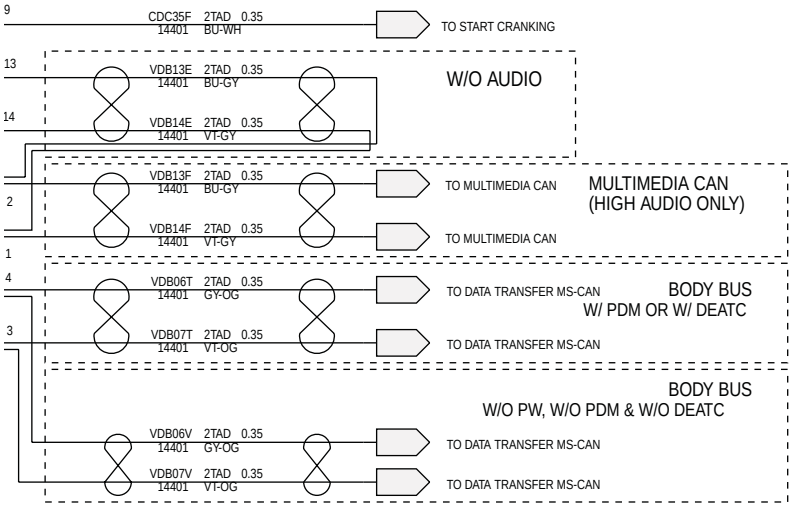
ELECTRICAL CONNECTORS

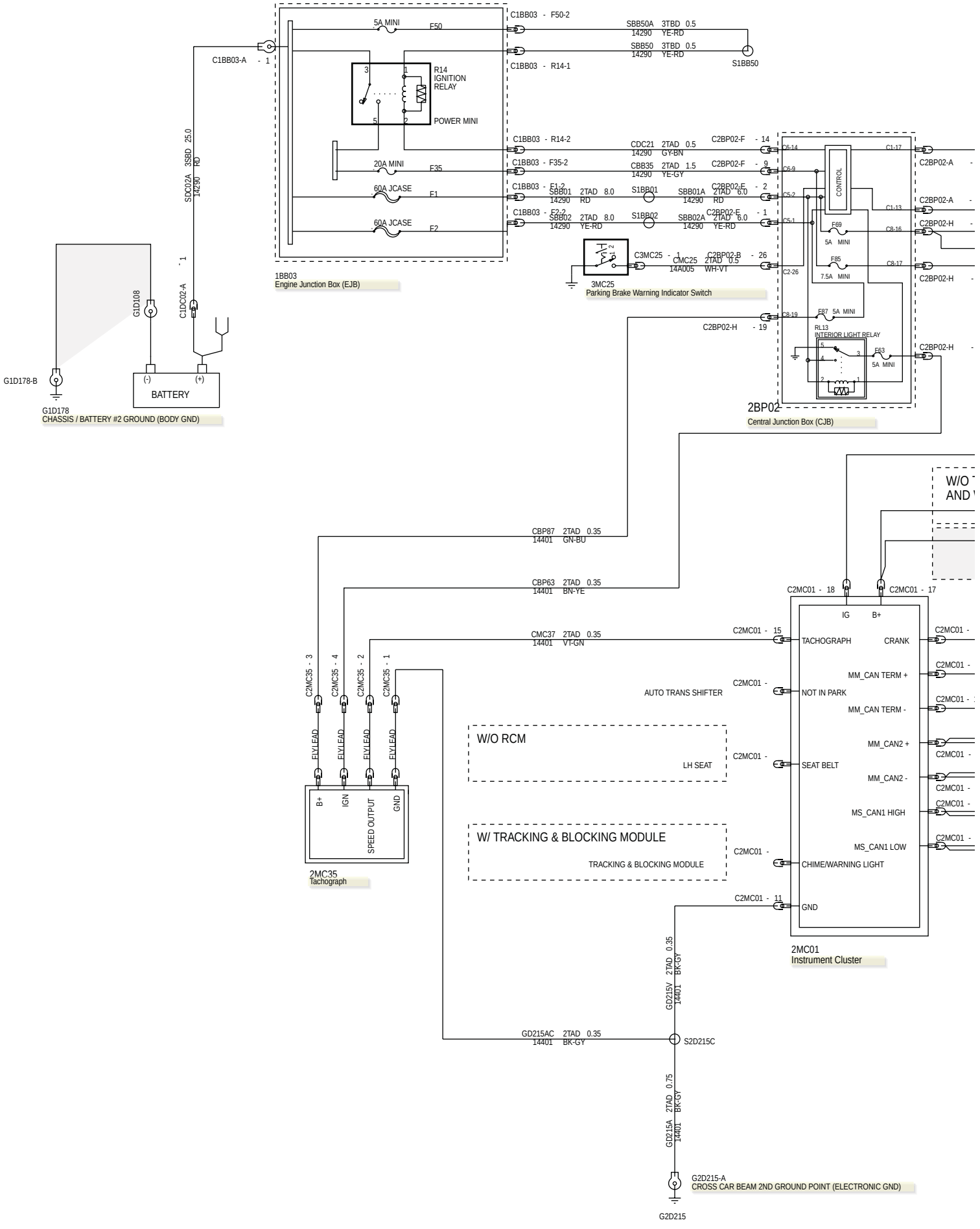
Instrument Cluster..... 413-01-6

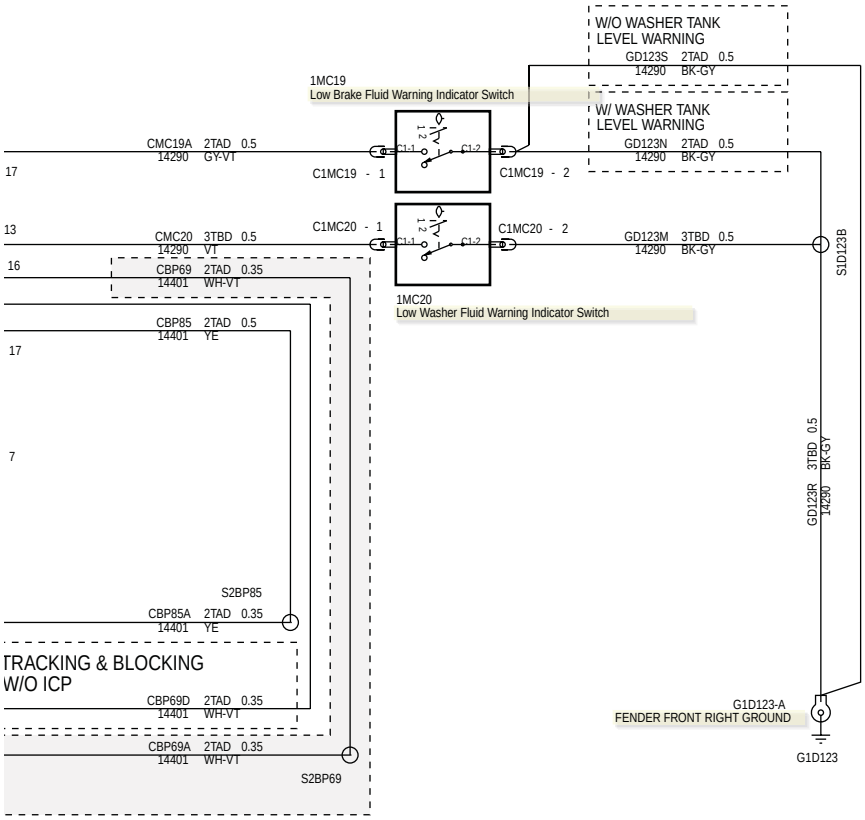

1BB03
Engine Junction Box (EJB)
5A MINI
F50
C1BB03 - F50-2
SBB50A 3TBD 0.5
14290 YE-RD
SBB50 3TBD 0.5
14290 YE-RD
S1BB50
C1BB03-A - 1
C1BB03 - R14-1
R14
IGNITION
RELAY
POWER MINI
C1BB03 - R14-2
CDC21 2TAD 0.5
14290 GY-BN
C2BP02-F - 14
20A MINI
F35
C1BB03 - F35-2
CBB35 2TAD 1.5
14290 YE-GY
C2BP02-F - 9
60A JCASE
F1
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
SBB01A 2TAD 6.0
14290 RD
C2BP02-E - 2
60A JCASE
F2
C1BB03 - F2-2
SBB02 2TAD 8.0
14290 YE-RD
S1BB02
SBB02A 2TAD 6.0
14290 YE-RD
C2BP02-E - 1
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
C3MC25 - 1
CMC25 2TAD 0.5
14A005 WH-VT
C2BP02-B - 26
3MC25
Parking Brake Warning Indicator Switch
C2BP02-H - 19
C6-14
C6-9
C5-2
C5-1
C2-26
C8-19
CONTROL
F69
5A MINI
F85
7.5A MINI
F87 5A MINI
RL13
INTERIOR LIGHT RELAY
F63
5A MINI
C1-17
C1-13
C8-16
C8-17
C2BP02-A
C2BP02-H
2BP02
Central Junction Box (CJB)
G1D178-B
G1D178
CHASSIS / BATTERY #2 GROUND (BODY GND)
BATTERY
(-)
(+)
CBP87 2TAD 0.35
14401 GN-BU
CBP63 2TAD 0.35
14401 BN-YE
CMC37 2TAD 0.35
14401 VT-GN
C2MC35 - 3
C2MC35 - 4
C2MC35 - 2
C2MC35 - 1
FLY LEAD
B+
IGN
SPEED OUTPUT
GND
2MC35
Tachograph
W/O RCM
LH SEAT
W/ TRACKING & BLOCKING MODULE
TRACKING & BLOCKING MODULE
C2MC01 - 18
C2MC01 - 17
C2MC01 - 15
C2MC01 -
C2MC01 - 11
IG
B+
TACHOGRAPH
CRANK
AUTO TRANS SHIFTER
NOT IN PARK
MM_CAN TERM +
MM_CAN TERM -
MM_CAN2 +
MM_CAN2 -
SEAT BELT
MS_CAN1 HIGH
MS_CAN1 LOW
CHIME/WARNING LIGHT
GND
2MC01
Instrument Cluster
GD215V 2TAD 0.35
14401 BK-GY
GD215AC 2TAD 0.35
14401 BK-GY
S2D215C
GD215A 2TAD 0.75
14401 BK-GY
G2D215-A
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215

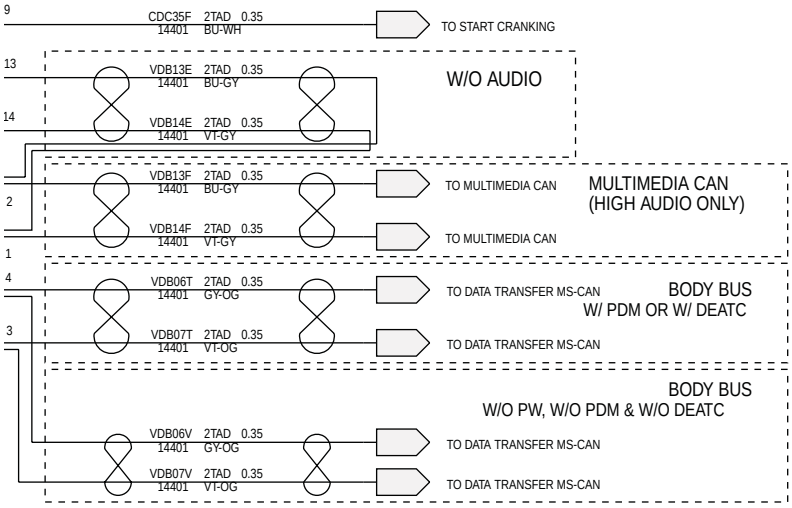
413-01-3 Instrument Cluster—LHD 4WD/LHD RWD





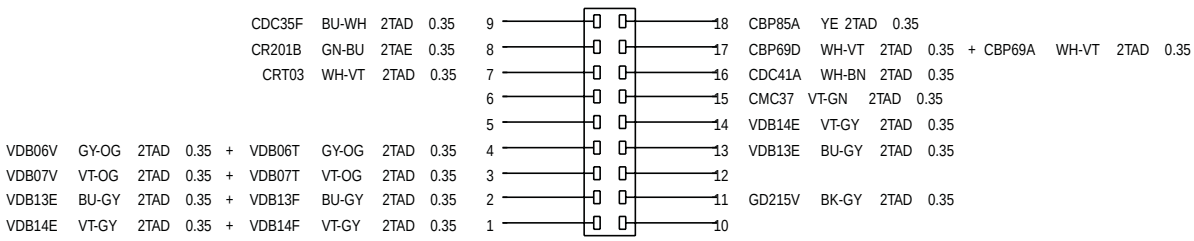

1BB03
Engine Junction Box (EJB)
5A MINI
F50
20A MINI
F35
60A JCASE
F1
60A JCASE
F2
R14
IGNITION
RELAY
POWER MINI
C1BB03-A - 1
C1BB03 - F50-2
C1BB03 - R14-1
C1BB03 - R14-2
C1BB03 - F35-2
C1BB03 - F1-2
C1BB03 - F2-2
SBB50A 3TBD 0.5 14290 YE-RD
SBB50 3TBD 0.5 14290 YE-RD
S1BB50
CDC21 2TAD 0.5 14290 GY-BN
CBB35 2TAD 1.5 14290 YE-GY
SBB01 2TAD 8.0 14290 RD
SBB02 2TAD 8.0 14290 YE-RD
S1BB01
S1BB02
SBB01A 2TAD 6.0 14290 RD
SBB02A 2TAD 6.0 14290 YE-RD
C2BP02-F - 14
C2BP02-F - 9
C2BP02-F - 2
C2BP02-E - 1
SDC02A 3SBD 25.0 14290 RD
C1DC02-A - 1
G1D108
G1D178-B
(-)
(+)
BATTERY
G1D178
CHASSIS / BATTERY #2 GROUND (BODY GND)
3MC25
Parking Brake Warning Indicator Switch
C3MC25 - 1
CMC25 2TAD 0.5 14A005 WH-VT
C2BP02-B - 26
C2BP02-H - 19
2BP02
Central Junction Box (CJB)
CONTROL
F69 5A MINI
F85 7.5A MINI
F87 5A MINI
RL13
INTERIOR LIGHT RELAY
F63 5A MINI
C2BP02-A
C2BP02-H
CBP87 2TAD 0.35 14401 GN-BU
CBP63 2TAD 0.35 14401 BN-YE
CMC37 2TAD 0.35 14401 VT-GN
2MC35
Tachograph
B+
IGN
SPEED OUTPUT
GND
FLY LEAD
W/O RCM
LH SEAT
W/ TRACKING & BLOCKING MODULE
TRACKING & BLOCKING MODULE
AUTO TRANS SHIFTER
2MC01
Instrument Cluster
IG
B+
TACHOGRAPH
CRANK
MM_CAN TERM +
NOT IN PARK
MM_CAN TERM -
MM_CAN2 +
SEAT BELT
MM_CAN2 -
MS_CAN1 HIGH
MS_CAN1 LOW
CHIME/WARNING LIGHT
GND
GD215V 2TAD 0.35 14401 BK-GY
GD215AC 2TAD 0.35 14401 BK-GY
S2D215C
GD215A 2TAD 0.75 14401 BK-GY
G2D215-A
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215


W/O WASHER TANK LEVEL WARNING
GD123S 2TAD 0.5
14290 BK-GY
1MC19
Low Brake Fluid Warning Indicator Switch
W/ WASHER TANK LEVEL WARNING
GD123N 2TAD 0.5
14290 BK-GY
CMC19A 2TAD 0.5
14290 GY-VT
17
C1MC19 - 1
C1MC19 - 2
13
CMC20 3TBD 0.5
14290 VT
C1MC20 - 1
C1MC20 - 2
GD123M 3TBD 0.5
14290 BK-GY
S1D123B
16
CBP69 2TAD 0.35
14401 WH-VT
1MC20
Low Washer Fluid Warning Indicator Switch
CBP85 2TAD 0.5
14401 YE
17
7
GD123R 3TBD 0.5
14290 BK-GY
S2BP85
CBP85A 2TAD 0.35
14401 YE
TRACKING & BLOCKING
W/O ICP
CBP69D 2TAD 0.35
14401 WH-VT
G1D123-A
FENDER FRONT RIGHT GROUND
CBP69A 2TAD 0.35
14401 WH-VT
S2BP69
G1D123


9
CDC35F 2TAD 0.35
14401 BU-WH
TO START CRANKING
13
VDB13E 2TAD 0.35
14401 BU-GY
W/O AUDIO
14
VDB14E 2TAD 0.35
14401 VT-GY
VDB13F 2TAD 0.35
14401 BU-GY
TO MULTIMEDIA CAN
MULTIMEDIA CAN
(HIGH AUDIO ONLY)
2
VDB14F 2TAD 0.35
14401 VT-GY
TO MULTIMEDIA CAN
1
4
VDB06T 2TAD 0.35
14401 GY-OG
TO DATA TRANSFER MS-CAN
BODY BUS
W/ PDM OR W/ DEATC
3
VDB07T 2TAD 0.35
14401 VT-OG
TO DATA TRANSFER MS-CAN
BODY BUS
W/O PW, W/O PDM & W/O DEATC
VDB06V 2TAD 0.35
14401 GY-OG
TO DATA TRANSFER MS-CAN
VDB07V 2TAD 0.35
14401 VT-OG
TO DATA TRANSFER MS-CAN

Instrument Cluster (G1404379)

PIN 1 => VDB14F VT-GY 0.35 2TAD + VDB14E VT-GY 0.35 2TAD
PIN 2 => VDB13F BU-GY 0.35 2TAD + VDB13E BU-GY 0.35 2TAD



3F2T-14488-BB

C2MC01
TO INSTRUMENT PANEL CLUSTER

HARNESS 14401

SECTION 413-06 Horn

VEHICLE APPLICATION: 2012.0 Ranger

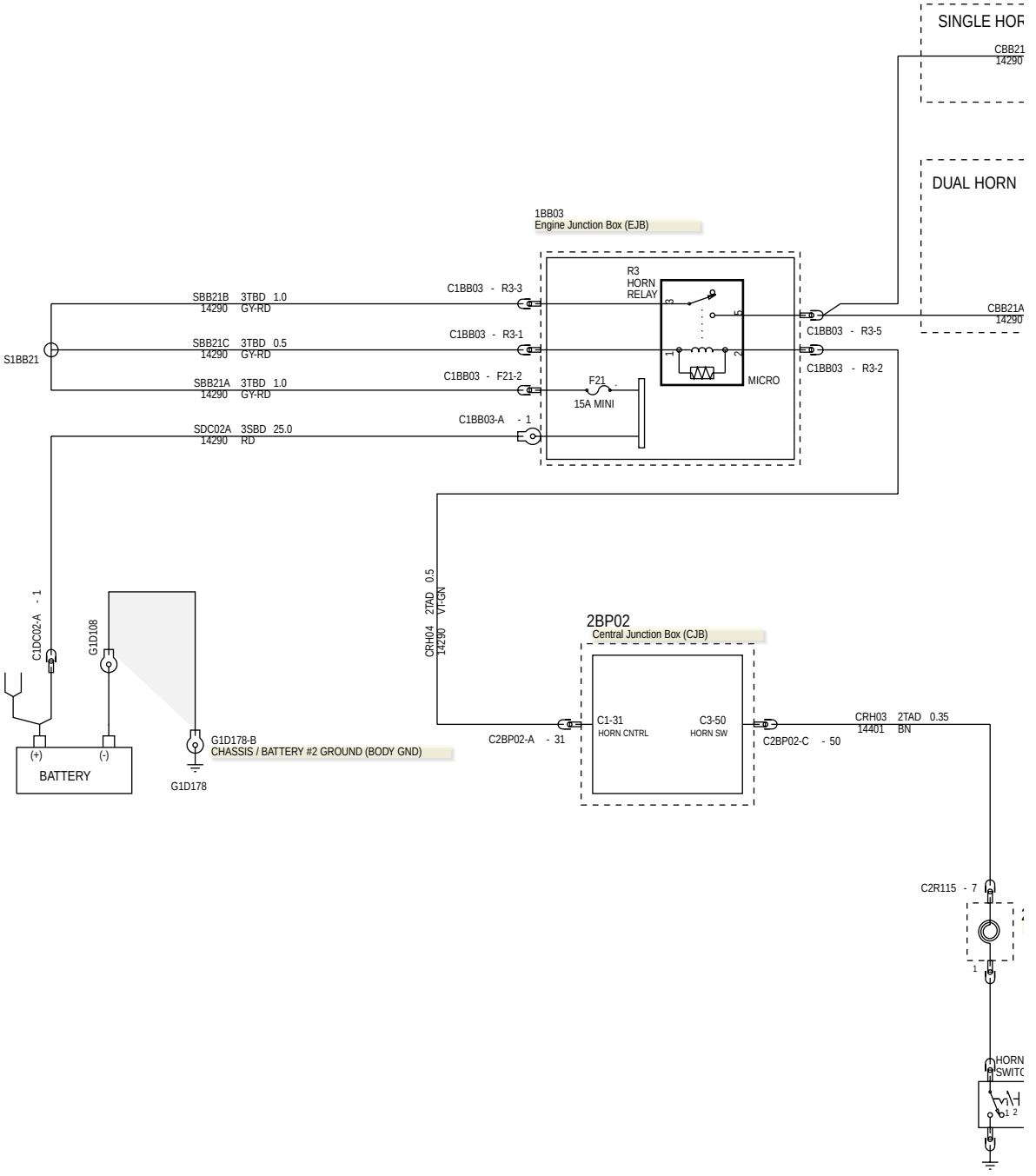
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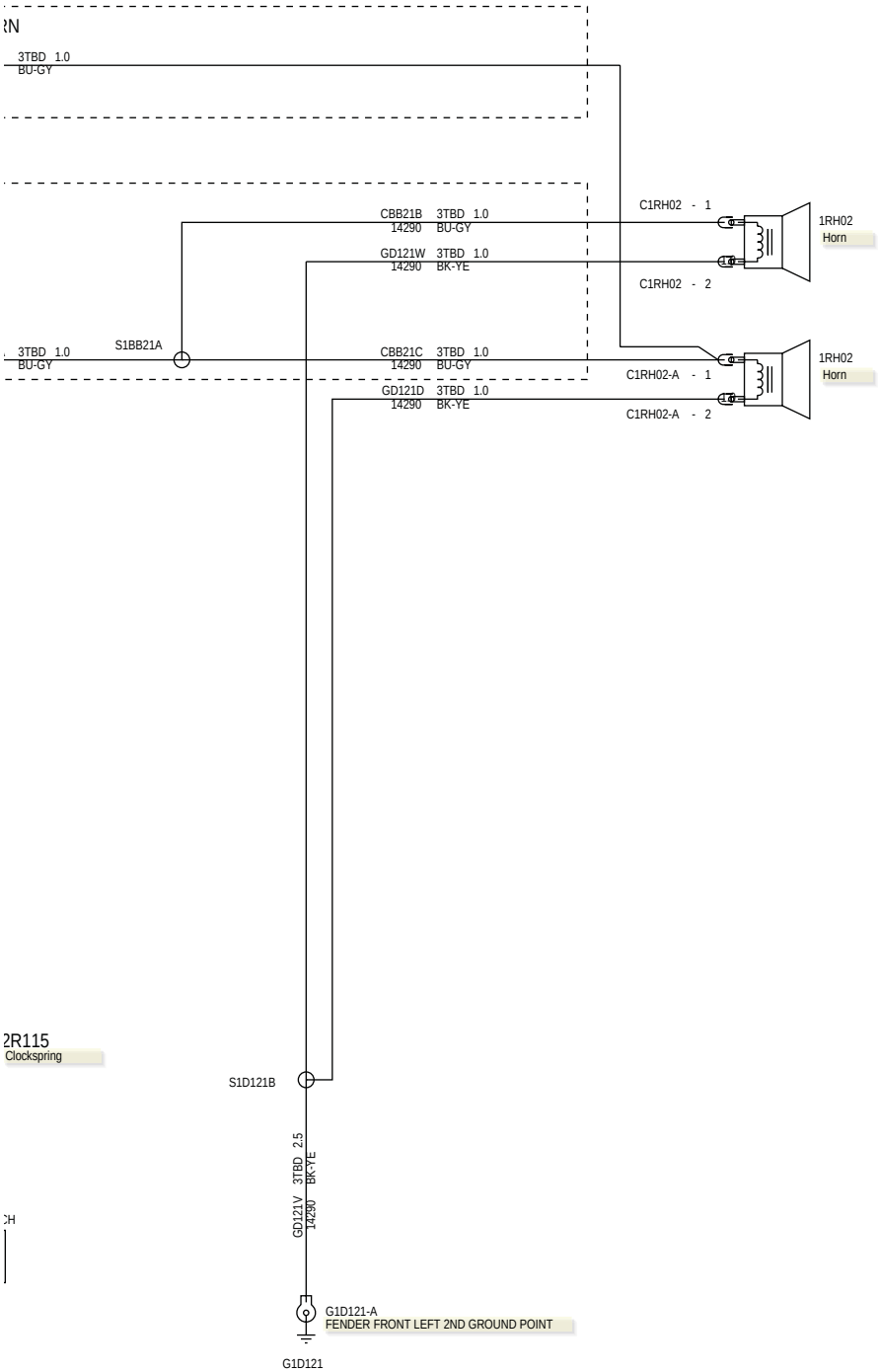
ELECTRICAL SCHEMATICS

Horn..... 413-06-2

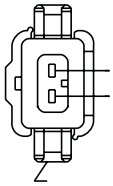
ELECTRICAL CONNECTORS

Horn..... 413-06-4
Horn — A..... 413-06-4


SINGLE HOR
CBB21
14290
DUAL HORN
1BB03
Engine Junction Box (EJB)
R3
HORN
RELAY
SBB21B 3TBD 1.0
14290 GY-RD
C1BB03 - R3-3
SBB21C 3TBD 0.5
14290 GY-RD
C1BB03 - R3-1
S1BB21
SBB21A 3TBD 1.0
14290 GY-RD
C1BB03 - F21-2
SDC02A 3SBD 25.0
14290 RD
C1BB03-A - 1
F21
15A MINI
MICRO
C1BB03 - R3-5
C1BB03 - R3-2
CBB21A
14290
C1DC02-A - 1
G1D108
CRH04 2TAD 0.5
14290 VT-GN
2BP02
Central Junction Box (CJB)
C1-31
HORN CNTRL
C3-50
HORN SW
C2BP02-A - 31
C2BP02-C - 50
CRH03 2TAD 0.35
14401 BN
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
C2R115 - 7
HORN
SWITC


3TBD 1.0
BU-GY
CBB21B 3TBD 1.0
14290 BU-GY
GD121W 3TBD 1.0
14290 BK-YE
C1RH02 - 1
C1RH02 - 2
1RH02
Horn
S1BB21A
CBB21C 3TBD 1.0
14290 BU-GY
GD121D 3TBD 1.0
14290 BK-YE
C1RH02-A - 1
C1RH02-A - 2
2R115
Clockspring
S1D121B
GD121V 3TBD 2.5 14290 BK-YE
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121

Horn (G1404384)



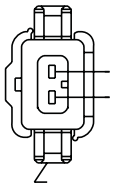
1 CBB21B BU-GY 3TBD 1.0
2 GD121W BK-YE 3TBD 1.0

F6AB-14A464-HA

C1RH02
TO HORN RH

HARNESS 14290

Horn—A (G1404385)



1 CBB21 BU-GY 3TBD 1.0 + CBB21C BU-GY 3TBD 1.0
2 GD121D BK-YE 3TBD 1.0

F6AB-14A464-HA

C1RH02-A
TO HORN LH

HARNESS 14290

SECTION 413-08 Information and Message Center

VEHICLE APPLICATION: 2012.0 Ranger

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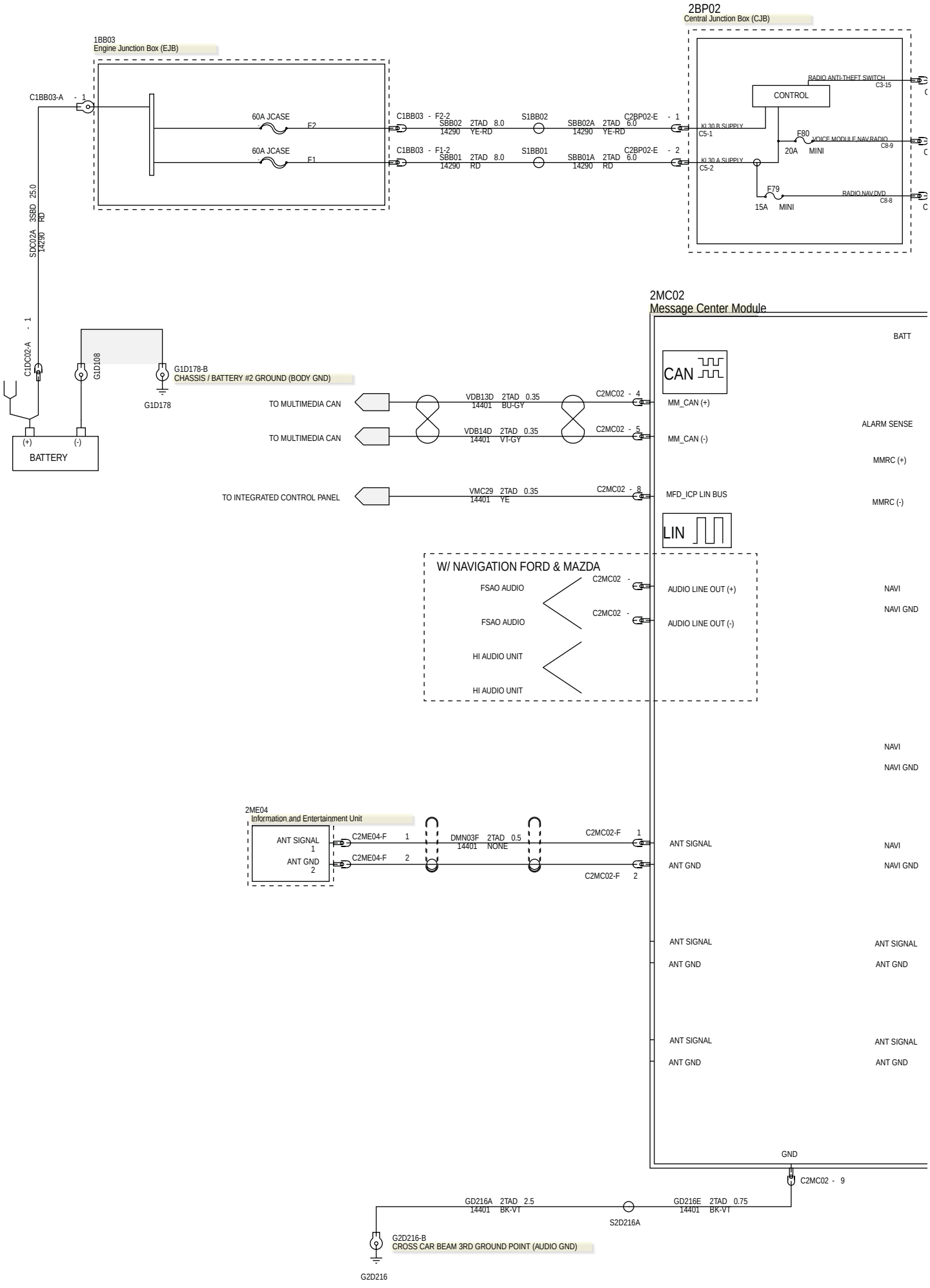
ELECTRICAL SCHEMATICS

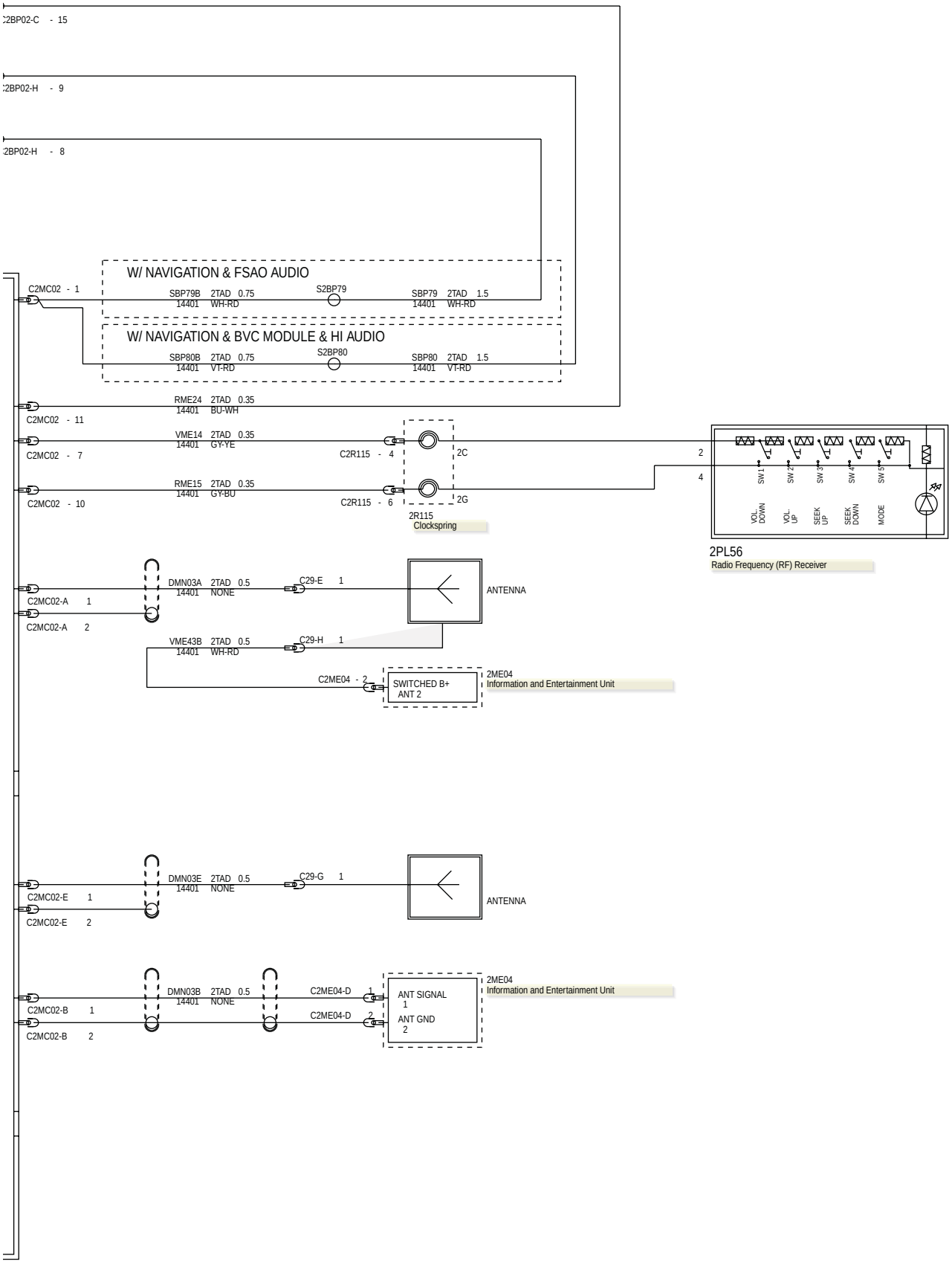
Message Center — LHD 4WD/LHD RWD..... 413-08-2
Message Center — RHD 4WD/RHD RWD..... 413-08-4

ELECTRICAL CONNECTORS

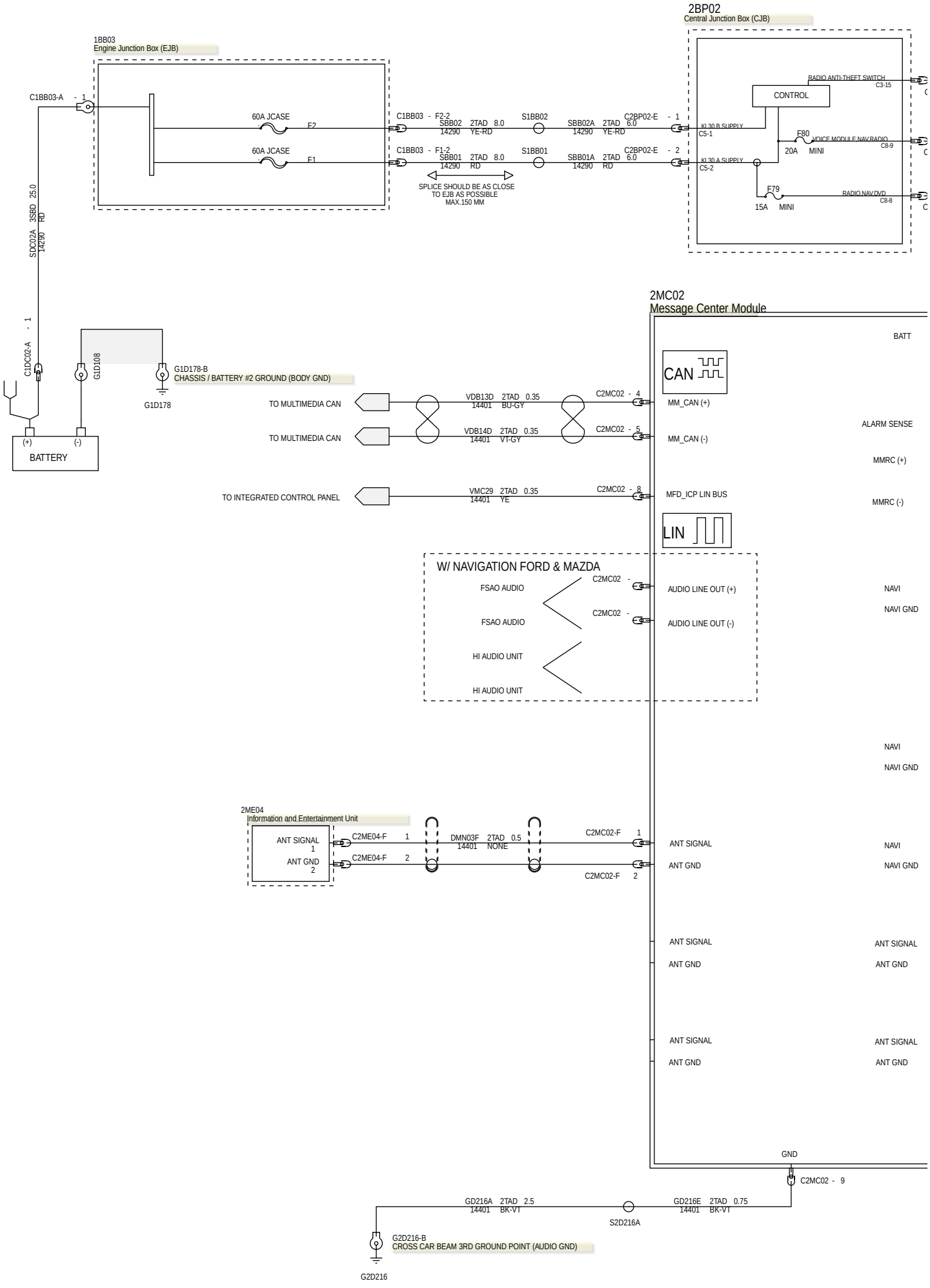
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Message Center Module — A..... 413-08-6
Message Center Module — B..... 413-08-6
Message Center Module — C..... 413-08-6
Message Center Module — D..... 413-08-6
Message Center Module — E..... 413-08-7
Message Center Module — F..... 413-08-7
Message Center Module — G..... 413-08-7
Message Center Module — H..... 413-08-7

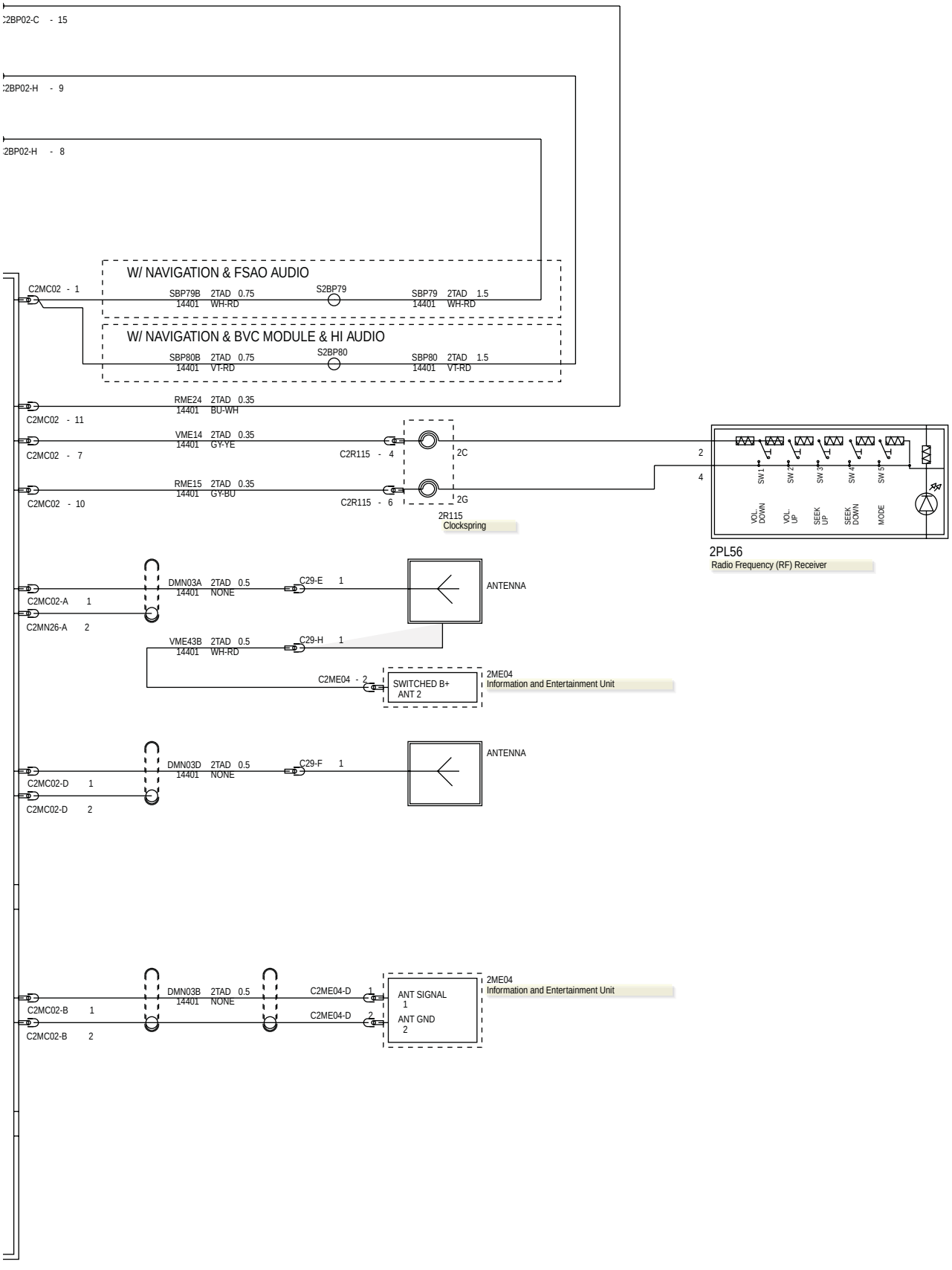
413-08-2 Message Center—LHD 4WD/LHD RWD




C2BP02-C - 15
C2BP02-H - 9
C2BP02-H - 8
W/ NAVIGATION & FSAO AUDIO
C2MC02 - 1
SBP79B 2TAD 0.75
14401 WH-RD
S2BP79
SBP79 2TAD 1.5
14401 WH-RD
W/ NAVIGATION & BVC MODULE & HI AUDIO
SBP80B 2TAD 0.75
14401 VT-RD
S2BP80
SBP80 2TAD 1.5
14401 VT-RD
RME24 2TAD 0.35
14401 BU-WH
C2MC02 - 11
VME14 2TAD 0.35
14401 GY-YE
C2MC02 - 7
C2R115 - 4
2C
RME15 2TAD 0.35
14401 GY-BU
C2MC02 - 10
C2R115 - 6
2G
2R115
Clockspring
2
4
SW 1
SW 2
SW 3
SW 4
SW 5
VOL DOWN
VOL UP
SEEK UP
SEEK DOWN
MODE
2PL56
Radio Frequency (RF) Receiver
DMN03A 2TAD 0.5
14401 NONE
C29-E 1
C2MC02-A 1
C2MC02-A 2
ANTENNA
VME43B 2TAD 0.5
14401 WH-RD
C29-H 1
C2ME04 - 2
SWITCHED B+
ANT 2
2ME04
Information and Entertainment Unit
DMN03E 2TAD 0.5
14401 NONE
C29-G 1
C2MC02-E 1
C2MC02-E 2
ANTENNA
DMN03B 2TAD 0.5
14401 NONE
C2ME04-D 1
C2ME04-D 2
C2MC02-B 1
C2MC02-B 2
ANT SIGNAL
1
ANT GND
2
2ME04
Information and Entertainment Unit

413-08-4 Message Center—RHD 4WD/RHD RWD




C2BP02-C - 15
C2BP02-H - 9
C2BP02-H - 8
W/ NAVIGATION & FSAO AUDIO
C2MC02 - 1
SBP79B 2TAD 0.75
14401 WH-RD
S2BP79
SBP79 2TAD 1.5
14401 WH-RD
W/ NAVIGATION & BVC MODULE & HI AUDIO
SBP80B 2TAD 0.75
14401 VT-RD
S2BP80
SBP80 2TAD 1.5
14401 VT-RD
RME24 2TAD 0.35
14401 BU-WH
C2MC02 - 11
VME14 2TAD 0.35
14401 GY-YE
C2MC02 - 7
C2R115 - 4
2C
RME15 2TAD 0.35
14401 GY-BU
C2MC02 - 10
C2R115 - 6
2G
2R115
Clockspring
2
4
SW 1
SW 2
SW 3
SW 4
SW 5
VOL DOWN
VOL UP
SEEK UP
SEEK DOWN
MODE
2PL56
Radio Frequency (RF) Receiver
DMN03A 2TAD 0.5
14401 NONE
C29-E 1
ANTENNA
C2MC02-A 1
C2MN26-A 2
VME43B 2TAD 0.5
14401 WH-RD
C29-H 1
C2ME04 - 2
SWITCHED B+
ANT 2
2ME04
Information and Entertainment Unit
DMN03D 2TAD 0.5
14401 NONE
C29-F 1
ANTENNA
C2MC02-D 1
C2MC02-D 2
DMN03B 2TAD 0.5
14401 NONE
C2ME04-D 1
C2ME04-D 2
ANT SIGNAL
1
ANT GND
2
2ME04
Information and Entertainment Unit
C2MC02-B 1
C2MC02-B 2

Message Center Module (G1404400)

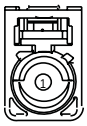
PIN 6 => VMN07A GY 0.35 2TAD
PIN 12 => RMN07A VT 0.35 2TAD

					VMN07	GY	2TAD	0.35	6	12	RMN07	VT	2TAD	0.35
					VDB14D	VT-GY	2TAD	0.35	5	11	RME24	BU-WH	2TAD	0.35
					VDB13D	BU-GY	2TAD	0.35	4	10	RME15	GY-BU	2TAD	0.35
									3	9	GD216E	BK-VT	2TAD	0.75
									2	8	VMC29	YE	2TAD	0.35
SBP79B	WH-RD	2TAD	0.75	+	SBP80B	VT-RD	2TAD	0.75	1	7	VME14	GY-YE	2TAD	0.35

8V5T-14489-ANA

C2MC02
TO MULTIFUNCTION DISPLAY
HARNESS 14401

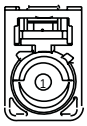
Message Center Module—A (G1404401)



\- — 1 DMN03A NONE 2TAD 0.5

7H2T-14489-AKB
C2MC02-A
TO MULTIFUNCTION DISPLAY
HARNESS 14401

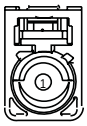
Message Center Module—B (G1404402)



\- — 1 DMN03B NONE 2TAD 0.5

7H2T-14489-AKB
C2MC02-B
TO MULTIFUNCTION DISPLAY
HARNESS 14401

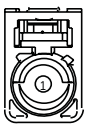
Message Center Module—C (G1404403)



\- — 1 DMN03C NONE 2TAD 0.5

7H2T-14489-AKB
C2MC02-C
TO MULTIFUNCTION DISPLAY
HARNESS 14401

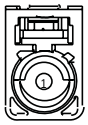
Message Center Module—D (G1404404)



\- — 1 DMN03D NONE 2TAD 0.5

7H2T-14489-AKB
C2MC02-D
TO MULTIFUNCTION DISPLAY
HARNESS 14401

Message Center Module—E (G1404405)

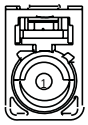


- 1 DMN03E NONE 2TAD 0.5

7H2T-14489-AKB

C2MC02-E
TO MULTIFUNCTION DISPLAY
HARNESS 14401

Message Center Module—F (G1404406)

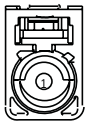


- 1 DMN03F NONE 2TAD 0.5

7H2T-14489-AKB

C2MC02-F
TO MULTIFUNCTION DISPLAY
HARNESS 14401

Message Center Module—G (G1404407)

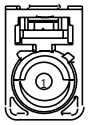


- 1 DMN03G NONE 2TAD 0.5

7H2T-14489-AKB

C2MC02-G
TO MULTIFUNCTION DISPLAY
HARNESS 14401

Message Center Module—H (G1404408)



- 1 DMN03H NONE 2TAD 0.5

7H2T-14489-AKB

C2MC02-H
TO MULTIFUNCTION DISPLAY
HARNESS 14401

SECTION 413-09 Warning Devices

VEHICLE APPLICATION: 2012.0 Ranger

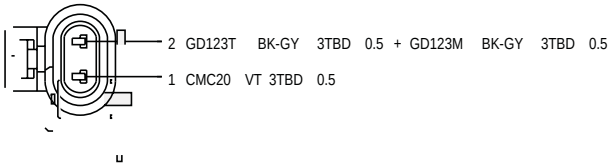
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Low Washer Fluid Warning Indicator Switch..... 413-09-2

413-09-2

Low Washer Fluid Warning Indicator Switch (G1404410)



12158214
C1MC20
TO WASHER FLUID LEVEL SWITCH
HARNESS 14290

SECTION 413-13 Parking Aid

VEHICLE APPLICATION: 2012.0 Ranger

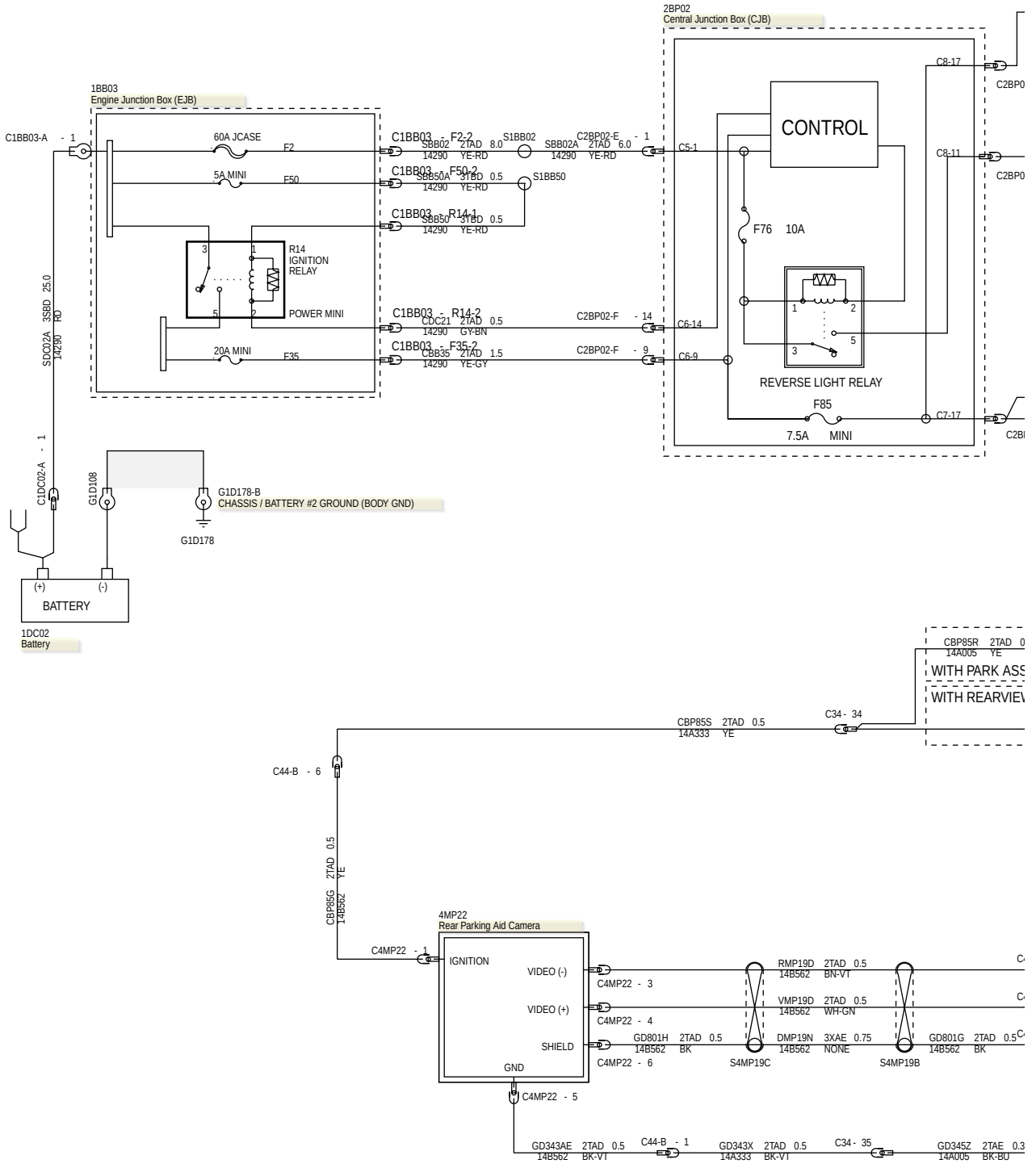
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ELECTRICAL SCHEMATICS

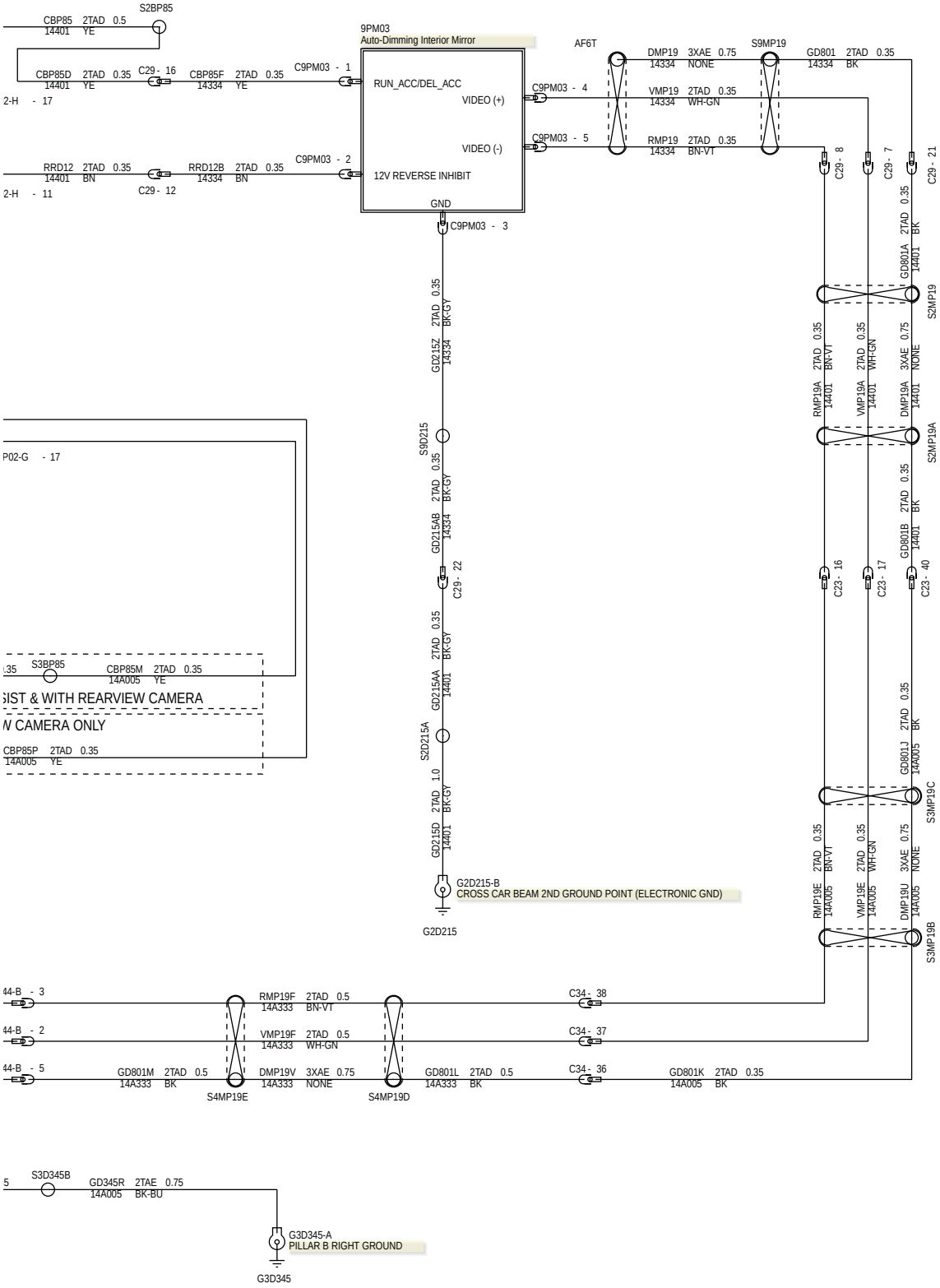
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Parking Aid — RHD 4WD/RHD RWD, Vehicles Without: Parking Aid Camera..... 413-13-8

ELECTRICAL CONNECTORS

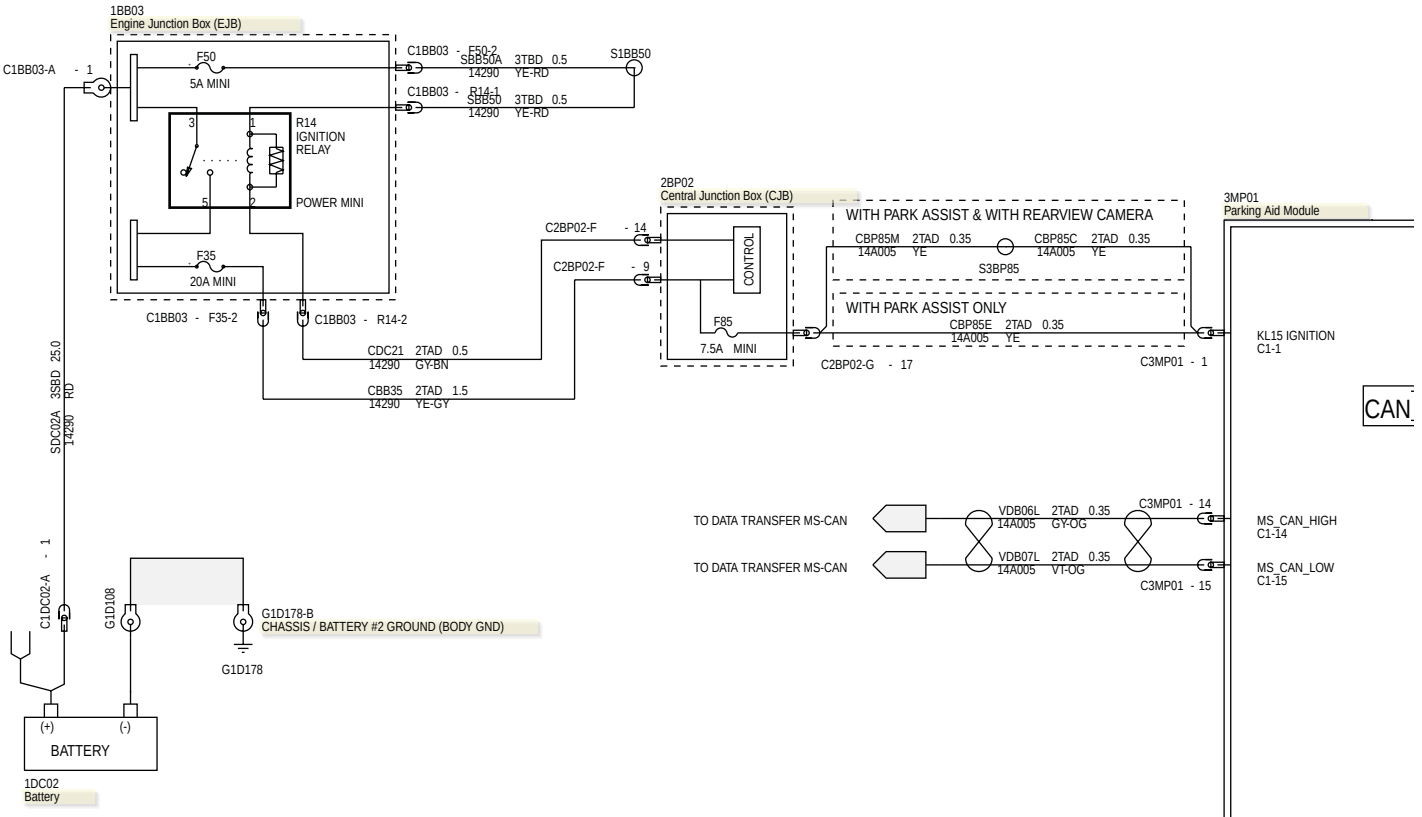
Parking Aid Module..... 413-13-10
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Rear Inner Parking Aid Sensor RH..... 413-13-10
Rear Outer Parking Aid Sensor LH..... 413-13-10
Rear Outer Parking Aid Sensor RH..... 413-13-11
Rear Parking Aid Camera..... 413-13-11


2BP02
Central Junction Box (CJB)
1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
60A JCASE
F2
5A MINI
F50
20A MINI
F35
R14
IGNITION
RELAY
POWER MINI
C1BB03 - F2-2
C1BB03 - F50-2
C1BB03 - R14-1
C1BB03 - R14-2
C1BB03 - F35-2
S1BB02
S1BB50
C2BP02-E - 1
C2BP02-F - 14
C2BP02-F - 9
C5-1
C6-14
C6-9
CONTROL
F76 10A
REVERSE LIGHT RELAY
F85
7.5A MINI
C8-17
C8-11
C7-17
SDC02A 3SBD 25.0 RD 14290
C1DC02-A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
(+)
(-)
BATTERY
1DC02
Battery
CBP85R 2TAD 0
14A005 YE
WITH PARK ASS
WITH REARVIEW
CBP85S 2TAD 0.5
14A333 YE
C34 - 34
C44-B - 6
CBP85G 27AD 0.5 YE 14B562
4MP22
Rear Parking Aid Camera
C4MP22 - 1
IGNITION
VIDEO (-)
VIDEO (+)
SHIELD
GND
C4MP22 - 3
C4MP22 - 4
C4MP22 - 6
C4MP22 - 5
RMP19D 2TAD 0.5 14B562 BN-VT
VMP19D 2TAD 0.5 14B562 WH-GN
GD801H 2TAD 0.5 14B562 BK
DMP19N 3XAE 0.75 14B562 NONE
GD801G 2TAD 0.5 14B562 BK
S4MP19C
S4MP19B
GD343AE 2TAD 0.5 14B562 BK-VT
C44-B - 1
GD343X 2TAD 0.5 14A333 BK-VT
C34 - 35
GD345Z 2TAE 0.3 14A005 BK-BU

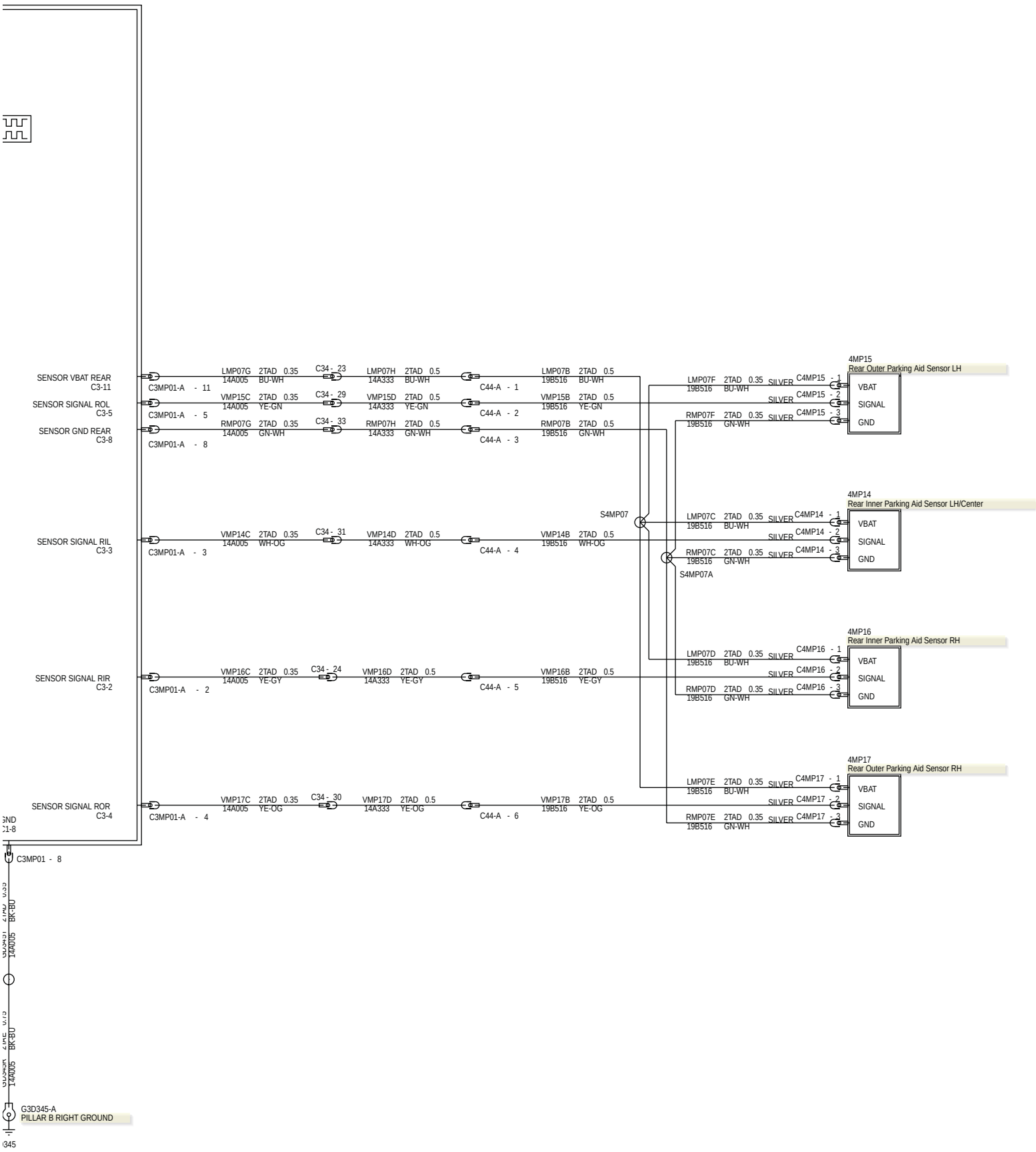
413-13-3 Parking Aid—LHD 4WD/LHD RWD, Vehicles With: Parking Aid Camera

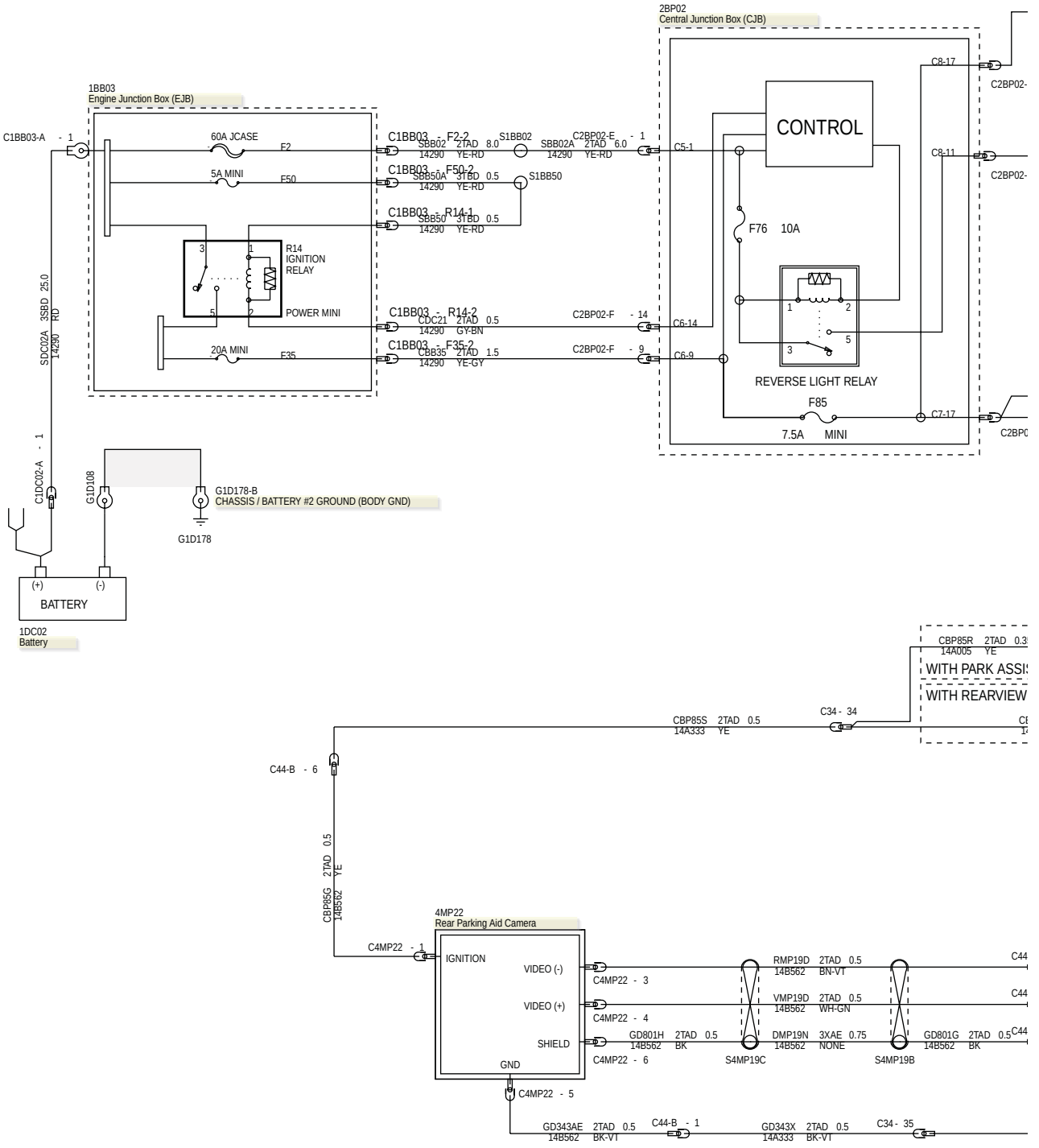


413-13-4 Parking Aid—LHD 4WD/LHD RWD, Vehicles Without: Parking Aid Camera

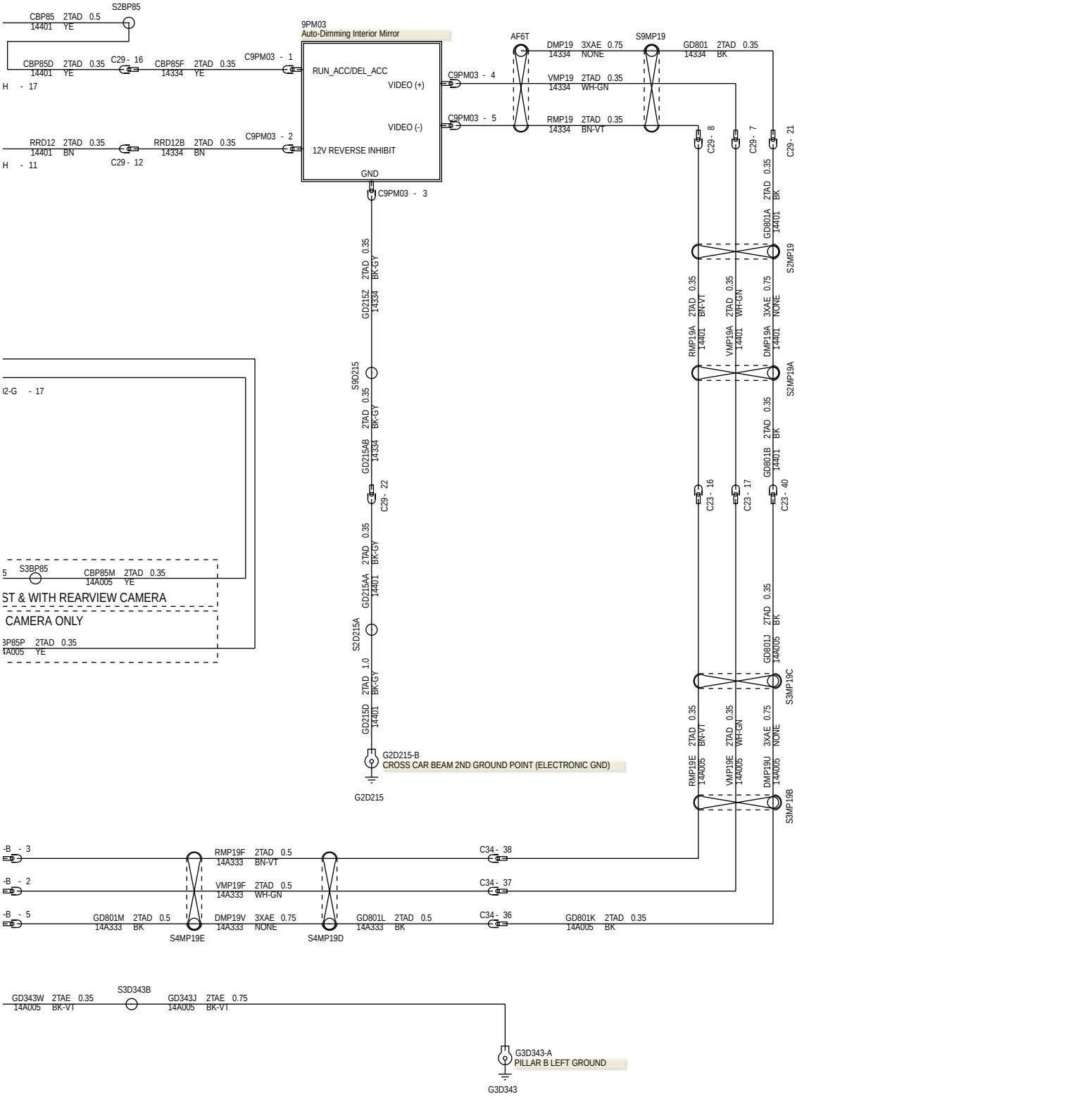


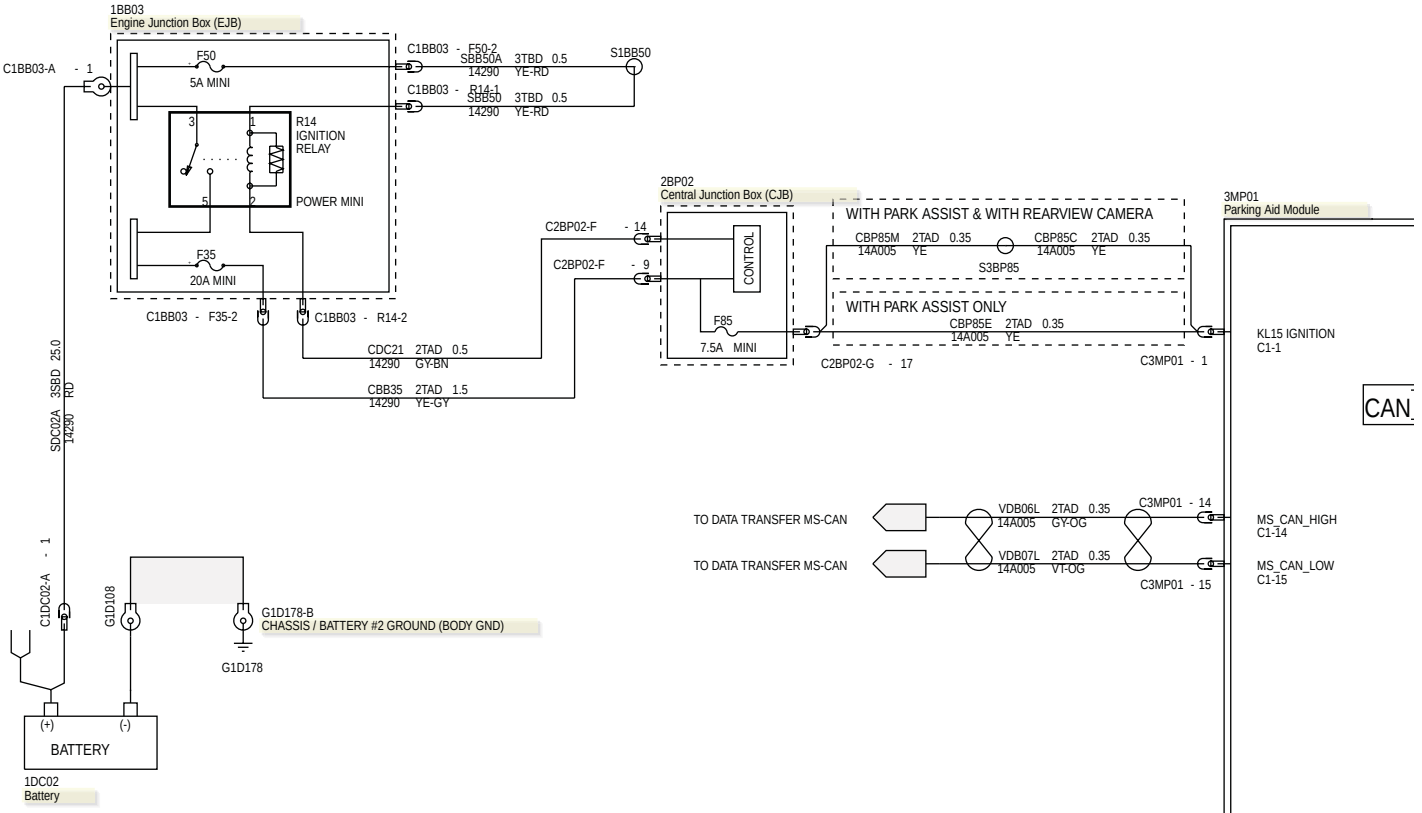
413-13-5 Parking Aid—LHD 4WD/LHD RWD, Vehicles Without: Parking Aid Camera

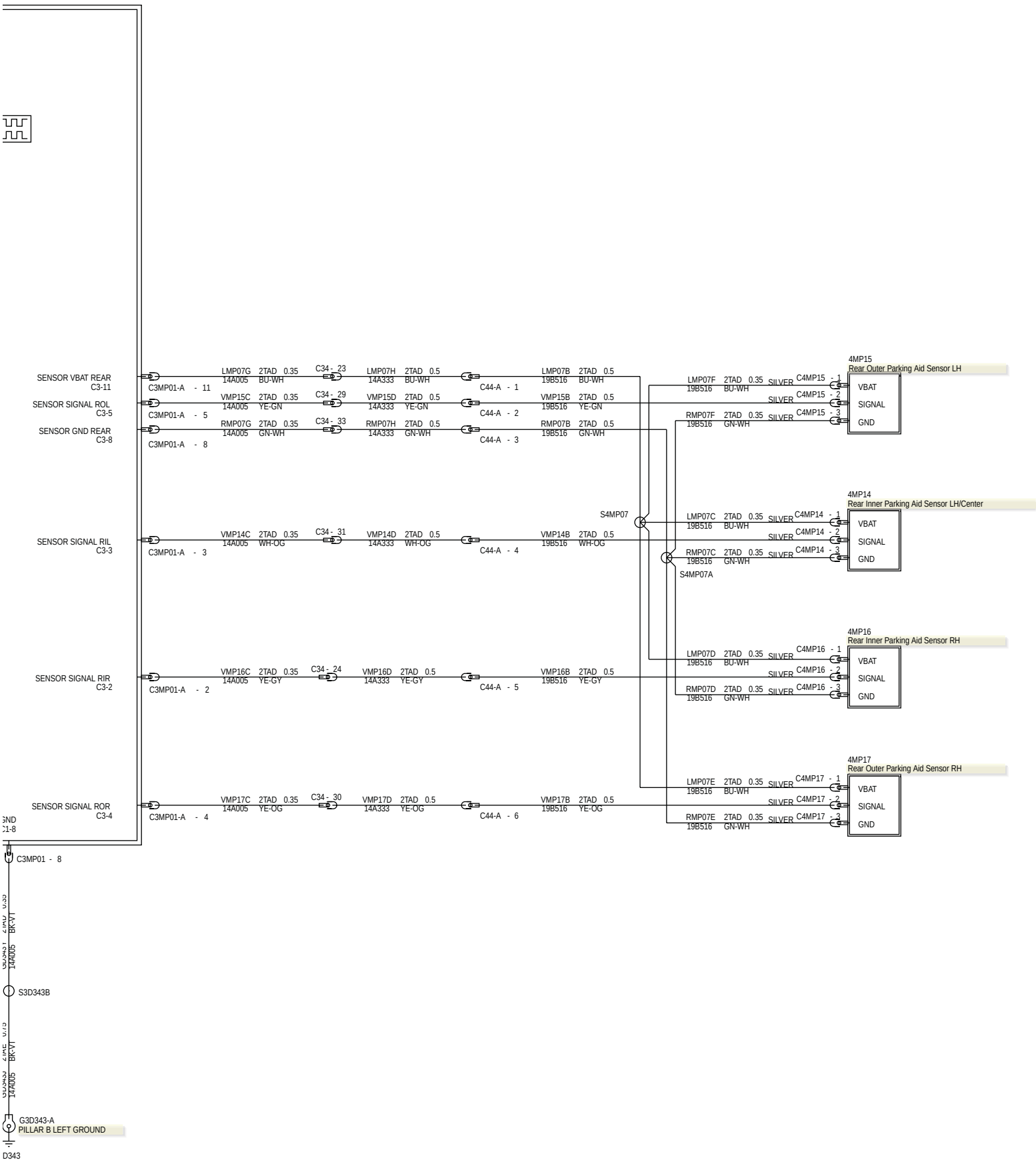



2BP02
Central Junction Box (CJB)
1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
60A JCASE
F2
5A MINI
F50
20A MINI
F35
R14
IGNITION
RELAY
POWER MINI
C1BB03 - F2-2
SBB02 2TAD 8.0
14290 YE-RD
S1BB02
C2BP02-E - 1
SBB02A 2TAD 6.0
14290 YE-RD
C1BB03 - F50-2
SBB50A 3TBD 0.5
14290 YE-RD
S1BB50
C1BB03 - R14-1
SBB50 3TBD 0.5
14290 YE-RD
C1BB03 - R14-2
CDC21 2TAD 0.5
14290 GY-BN
C2BP02-F - 14
C1BB03 - F35-2
CBB35 2TAD 1.5
14290 YE-GY
C2BP02-F - 9
C5-1
C6-14
C6-9
CONTROL
F76 10A
REVERSE LIGHT RELAY
F85
7.5A MINI
C8-17
C8-11
C7-17
C2BP02-
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
(+)
(-)
BATTERY
1DC02
Battery
CBP85R 2TAD 0.3
14A005 YE
WITH PARK ASSI
WITH REARVIEW
CBP85S 2TAD 0.5
14A333 YE
C34 - 34
C44-B - 6
CBP85G 2TAD 0.5
14B562 YE
4MP22
Rear Parking Aid Camera
C4MP22 - 1
IGNITION
VIDEO (-)
VIDEO (+)
SHIELD
GND
C4MP22 - 3
C4MP22 - 4
C4MP22 - 6
C4MP22 - 5
RMP19D 2TAD 0.5
14B562 BN-VT
VMP19D 2TAD 0.5
14B562 WH-GN
GD801H 2TAD 0.5
14B562 BK
DMP19N 3XAE 0.75
14B562 NONE
GD801G 2TAD 0.5
14B562 BK
S4MP19C
S4MP19B
GD343AE 2TAD 0.5
14B562 BK-VT
C44-B - 1
GD343X 2TAD 0.5
14A333 BK-VT
C34 - 35

413-13-7 Parking Aid—RHD 4WD/RHD RWD, Vehicles With: Parking Aid Camera




1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
F50
5A MINI
C1BB03 - F50-2
SBB50A 3TBD 0.5
14290 YE-RD
S1BB50
C1BB03 - R14-1
SBB50 3TBD 0.5
14290 YE-RD
R14
IGNITION
RELAY
POWER MINI
F35
20A MINI
C1BB03 - F35-2
C1BB03 - R14-2
2BP02
Central Junction Box (CJB)
C2BP02-F - 14
C2BP02-F - 9
CONTROL
F85
7.5A MINI
C2BP02-G - 17
WITH PARK ASSIST & WITH REARVIEW CAMERA
CBP85M 2TAD 0.35
14A005 YE
CBP85C 2TAD 0.35
14A005 YE
S3BP85
WITH PARK ASSIST ONLY
CBP85E 2TAD 0.35
14A005 YE
3MP01
Parking Aid Module
C3MP01 - 1
KL15 IGNITION
C1-1
CDC21 2TAD 0.5
14290 GY-BN
CBB35 2TAD 1.5
14290 YE-GY
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
(+)
(-)
BATTERY
1DC02
Battery
TO DATA TRANSFER MS-CAN
VDB06L 2TAD 0.35
14A005 GY-OG
C3MP01 - 14
MS_CAN_HIGH
C1-14
TO DATA TRANSFER MS-CAN
VDB07L 2TAD 0.35
14A005 VT-OG
C3MP01 - 15
MS_CAN_LOW
C1-15
CAN

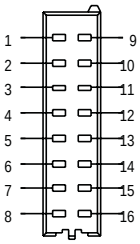

SENSOR VBAT REAR
C3-11
SENSOR SIGNAL ROL
C3-5
SENSOR GND REAR
C3-8
SENSOR SIGNAL RIL
C3-3
SENSOR SIGNAL RIR
C3-2
SENSOR SIGNAL ROR
C3-4
C3MP01-A - 11
C3MP01-A - 5
C3MP01-A - 8
C3MP01-A - 3
C3MP01-A - 2
C3MP01-A - 4
LMP07G 2TAD 0.35 14A005 BU-WH
VMP15C 2TAD 0.35 14A005 YE-GN
RMP07G 2TAD 0.35 14A005 GN-WH
VMP14C 2TAD 0.35 14A005 WH-OG
VMP16C 2TAD 0.35 14A005 YE-GY
VMP17C 2TAD 0.35 14A005 YE-OG
C34 - 23
C34 - 29
C34 - 33
C34 - 31
C34 - 24
C34 - 30
LMP07H 2TAD 0.5 14A333 BU-WH
VMP15D 2TAD 0.5 14A333 YE-GN
RMP07H 2TAD 0.5 14A333 GN-WH
VMP14D 2TAD 0.5 14A333 WH-OG
VMP16D 2TAD 0.5 14A333 YE-GY
VMP17D 2TAD 0.5 14A333 YE-OG
C44-A - 1
C44-A - 2
C44-A - 3
C44-A - 4
C44-A - 5
C44-A - 6
LMP07B 2TAD 0.5 19B516 BU-WH
VMP15B 2TAD 0.5 19B516 YE-GN
RMP07B 2TAD 0.5 19B516 GN-WH
VMP14B 2TAD 0.5 19B516 WH-OG
VMP16B 2TAD 0.5 19B516 YE-GY
VMP17B 2TAD 0.5 19B516 YE-OG
S4MP07
S4MP07A
LMP07F 2TAD 0.35 19B516 BU-WH SILVER
RMP07F 2TAD 0.35 19B516 GN-WH SILVER
LMP07C 2TAD 0.35 19B516 BU-WH SILVER
RMP07C 2TAD 0.35 19B516 GN-WH SILVER
LMP07D 2TAD 0.35 19B516 BU-WH SILVER
RMP07D 2TAD 0.35 19B516 GN-WH SILVER
LMP07E 2TAD 0.35 19B516 BU-WH SILVER
RMP07E 2TAD 0.35 19B516 GN-WH SILVER
C4MP15 - 1
C4MP15 - 2
C4MP15 - 3
C4MP14 - 1
C4MP14 - 2
C4MP14 - 3
C4MP16 - 1
C4MP16 - 2
C4MP16 - 3
C4MP17 - 1
C4MP17 - 2
C4MP17 - 3
4MP15
Rear Outer Parking Aid Sensor LH
4MP14
Rear Inner Parking Aid Sensor LH/Center
4MP16
Rear Inner Parking Aid Sensor RH
4MP17
Rear Outer Parking Aid Sensor RH
VBAT
SIGNAL
GND
C3MP01 - 8
S3D343B
G3D343-A
PILLAR B LEFT GROUND
D343

Parking Aid Module (G1405447)

PIN 8 => GD345T BK-BU 0.35 2TAD

CBP85C YE 2TAD 0.35 + CBP85E YE 2TAD 0.35

GD343Y BK-VT 2TAD 0.35 + GD345T BK-BU 2TAD 0.35



VDB06L GY-OG 2TAD 0.35

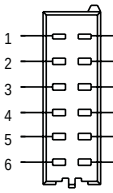
VDB07L VT-OG 2TAD 0.35

6G9T-14489-ASA

C3MP01
TO PARKING AID MODULE

HARNESS 14A005

Parking Aid Module—A (G1405448)



VMP16C YE-GY 2TAD 0.35 + VMP16 YE-GY 2TAD 0.5

VMP14C WH-OG 2TAD 0.35 + VMP14 WH-OG 2TAD 0.5

VMP17C YE-OG 2TAD 0.35 + VMP17 YE-OG 2TAD 0.5

VMP15C YE-GN 2TAD 0.35 + VMP15 YE-GN 2TAD 0.5

RMP07G GN-WH 2TAD 0.35 + RMP07 GN-WH 2TAD 0.5

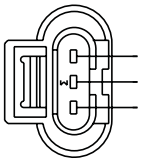
LMP07G BU-WH 2TAD 0.35 + LMP07 BU-WH 2TAD 0.5

6G9T-14489-AMA

C3MP01-A
TO PARK AID MODULE CONNECTOR C

HARNESS 14A005

Rear Inner Parking Aid Sensor LH/Center (G1404416)



1 LMP07C BU-WH 2TAD 0.35 SILVER

2 VMP14B WH-OG 2TAD 0.5 SILVER

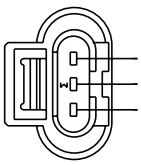
3 RMP07C GN-WH 2TAD 0.35 SILVER

6W8T-14A464-EC

C4MP14
TO PARK ASSIST SENSOR REAR MIDDLE LEFT

HARNESS 19B516

Rear Inner Parking Aid Sensor RH (G1404417)



1 LMP07D BU-WH 2TAD 0.35 SILVER

2 VMP16B YE-GY 2TAD 0.5 SILVER

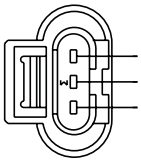
3 RMP07D GN-WH 2TAD 0.35 SILVER

6W8T-14A464-EC

C4MP16
TO PARK ASSIST SENSOR REAR MIDDLE RIGHT

HARNESS 19B516

Rear Outer Parking Aid Sensor LH (G1404418)



1 LMP07F BU-WH 2TAD 0.35 SILVER

2 VMP15B YE-GN 2TAD 0.5 SILVER

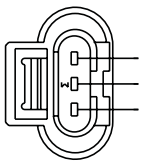
3 RMP07F GN-WH 2TAD 0.35 SILVER

6W8T-14A464-EC

C4MP15
TO PARK ASSIST SENSOR REAR LEFT

HARNESS 19B516

Rear Outer Parking Aid Sensor RH (G1404419)



1	LMP07E	BU-WH	2TAD	0.35	SILVER
2	VMP17B	YE-OG	2TAD	0.5	SILVER
3	RMP07E	GN-WH	2TAD	0.35	SILVER

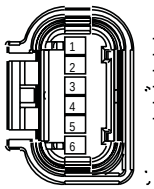
6W8T-14A464-EC

C4MP17

TO PARK ASSIST SENSOR REAR RIGHT

HARNESS 19B516

Rear Parking Aid Camera (G1405449)



1	CBP85G	YE	2TAD	0.5	
2					
3	RMP19D	BN-VT	2TAD	0.5	
4	VMP19D	WH-GN	2TAD	0.5	
5	GD343AE	BK-VT	2TAD	0.5	
6	GD801H	BK	2TAD	0.5	

BU5T-14A464-NA

C4MP22

TO REARVIEW CAMERA

HARNESS 14B562

SECTION 413-17 Tachograph

VEHICLE APPLICATION: 2012.0 Ranger

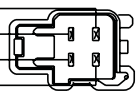
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ELECTRICAL CONNECTORS

Tachograph..... 413-17-2

Tachograph (G1404423)

CBP63	BN-YE	2TAD	0.35	4
CMC37	VT-GN	2TAD	0.35	2
GD215AC	BK-GY	2TAD	0.35	1
CBP87	GN-BU	2TAD	0.35	3



4S7T-14A459-VDA

C2MC35
TO TACHOGRAPH

HARNESS 14401

SECTION 414-01 Battery, Mounting and Cables

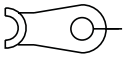
VEHICLE APPLICATION: 2012.0 Ranger

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ELECTRICAL CONNECTORS

Battery — A..... 414-01-2
Battery — C..... 414-01-2
Battery Monitoring Sensor..... 414-01-2

Battery—A (G1404427)



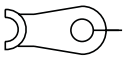
3M5T-14463-HTA

C1DC02-A
TO BATTERY+1

HARNESS 14290

Battery—C (G1404428)

PIN 1 => SDF01A RD 25.0 3SCD + SDF01B RD 35.0 3SCD

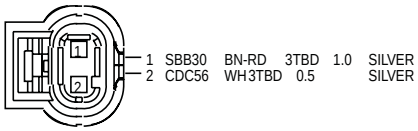


3M5T-14463-HTA

C1DC02-C
TO BATTERY+2

HARNESS 14300

Battery Monitoring Sensor (G1404429)



AV6N-14A464-ZA

C1DC57
TO BATTERY MONITORING SENSOR

HARNESS 14290

SECTION 414-02 Generator and Regulator

VEHICLE APPLICATION: 2012.0 Ranger

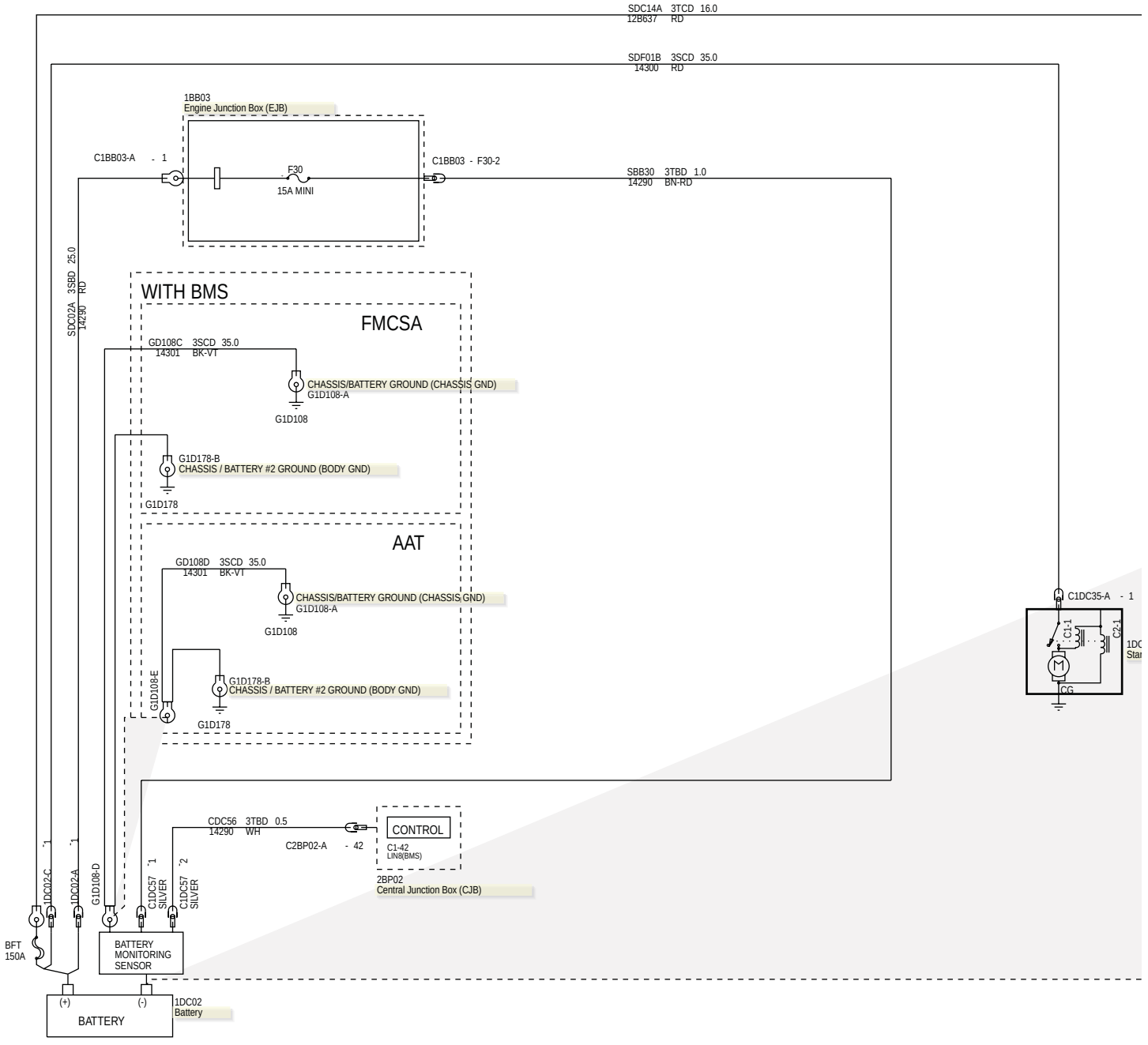
CONTENTS PAGE

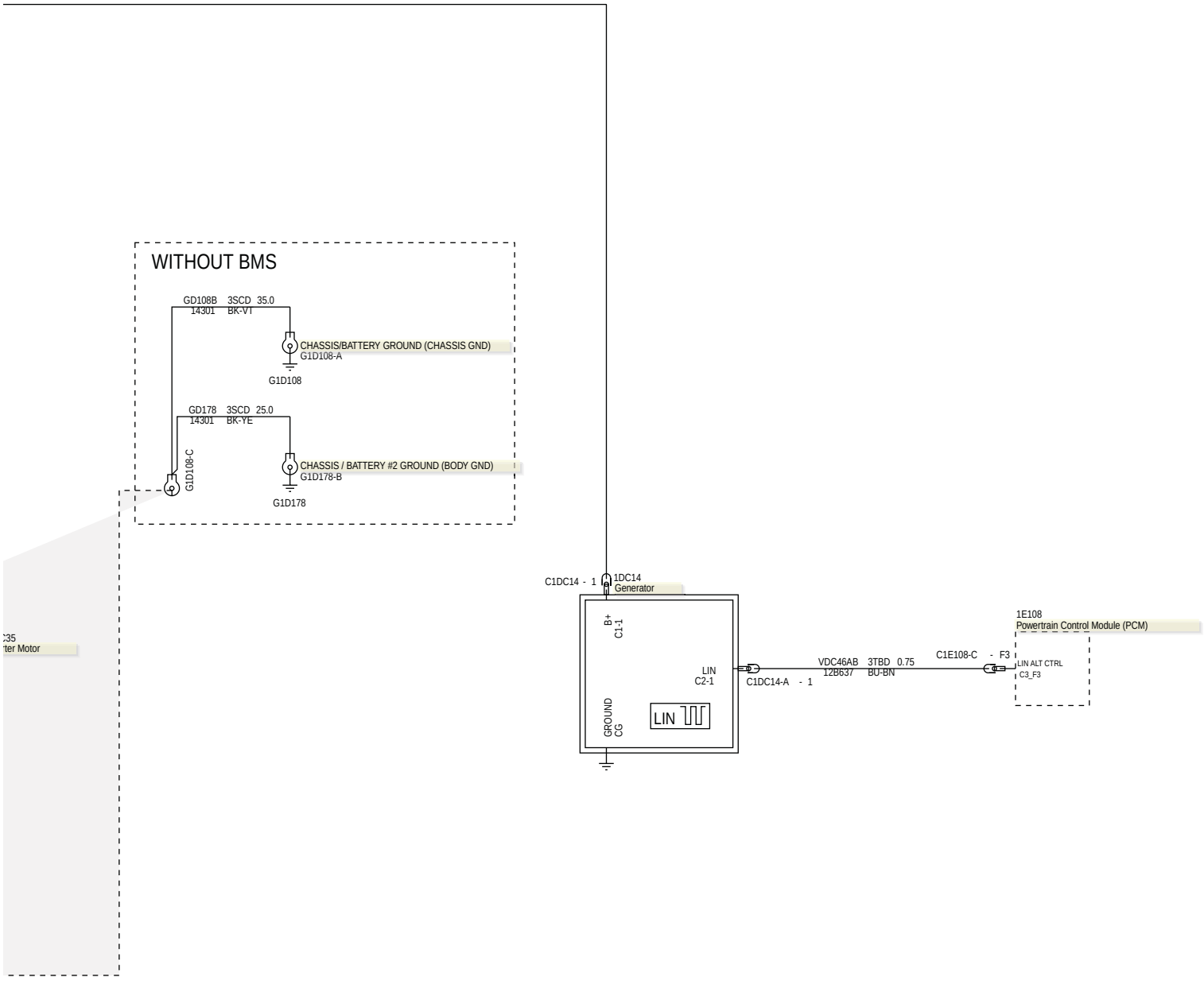
ELECTRICAL SCHEMATICS

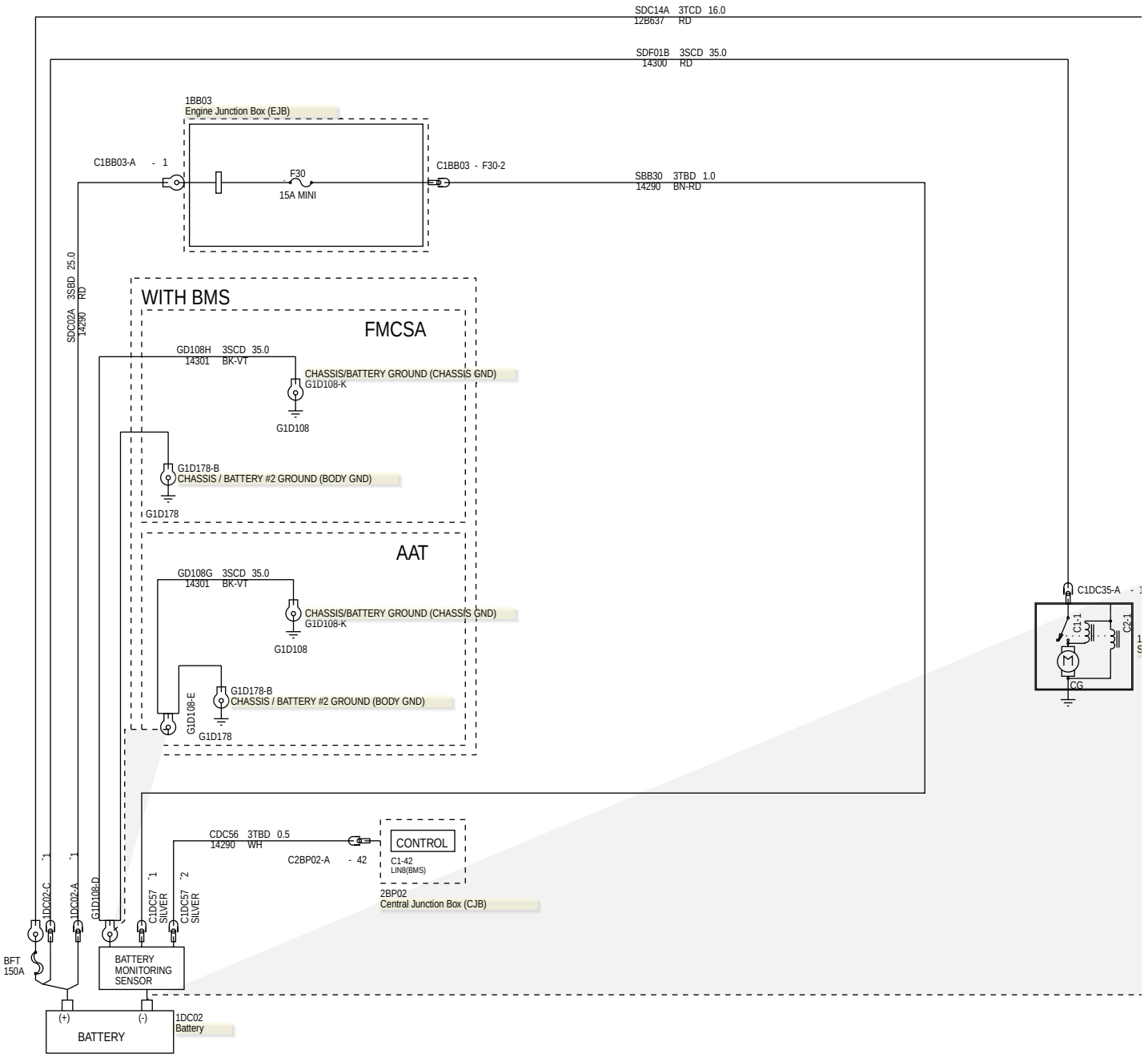
Charging System — 2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma..... 414-02-2
Charging System — 3.2L Duratorq-TDCi (148kW/200PS) - Puma..... 414-02-4
Charging System — 2.5L Duratec-HE (122kW/165PS) - MI4..... 414-02-6

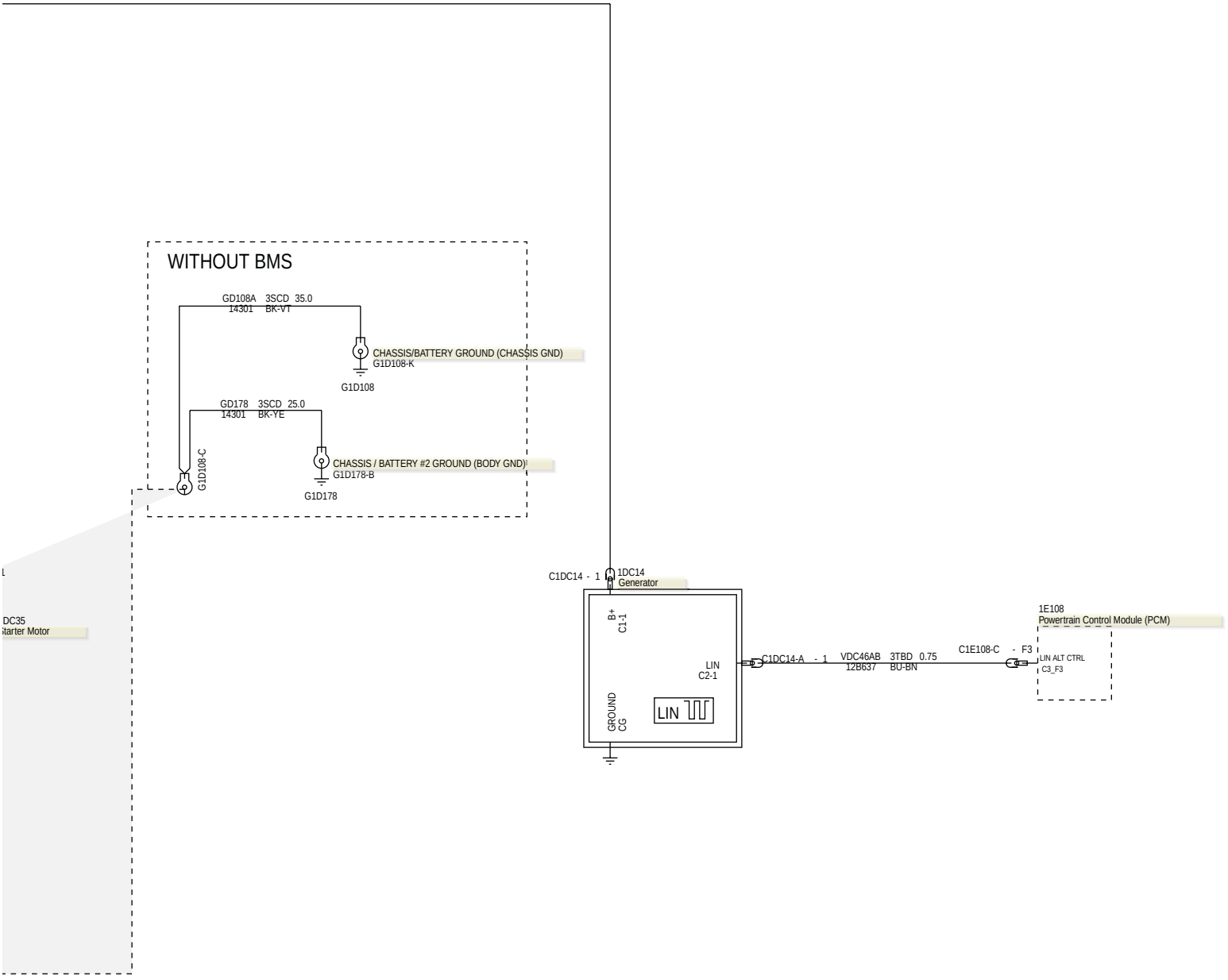
ELECTRICAL CONNECTORS

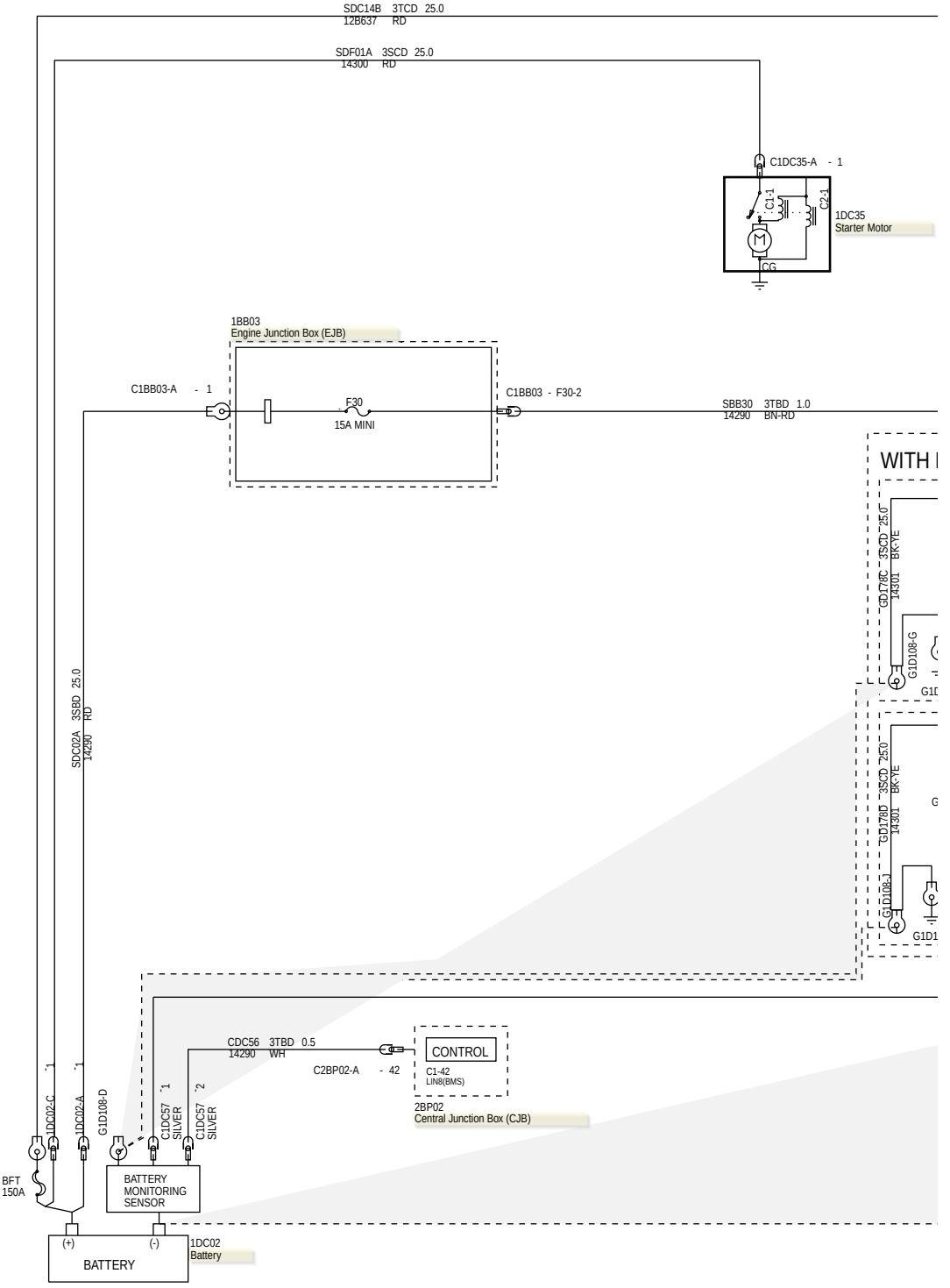
Generator..... 414-02-8
Generator — A..... 414-02-8

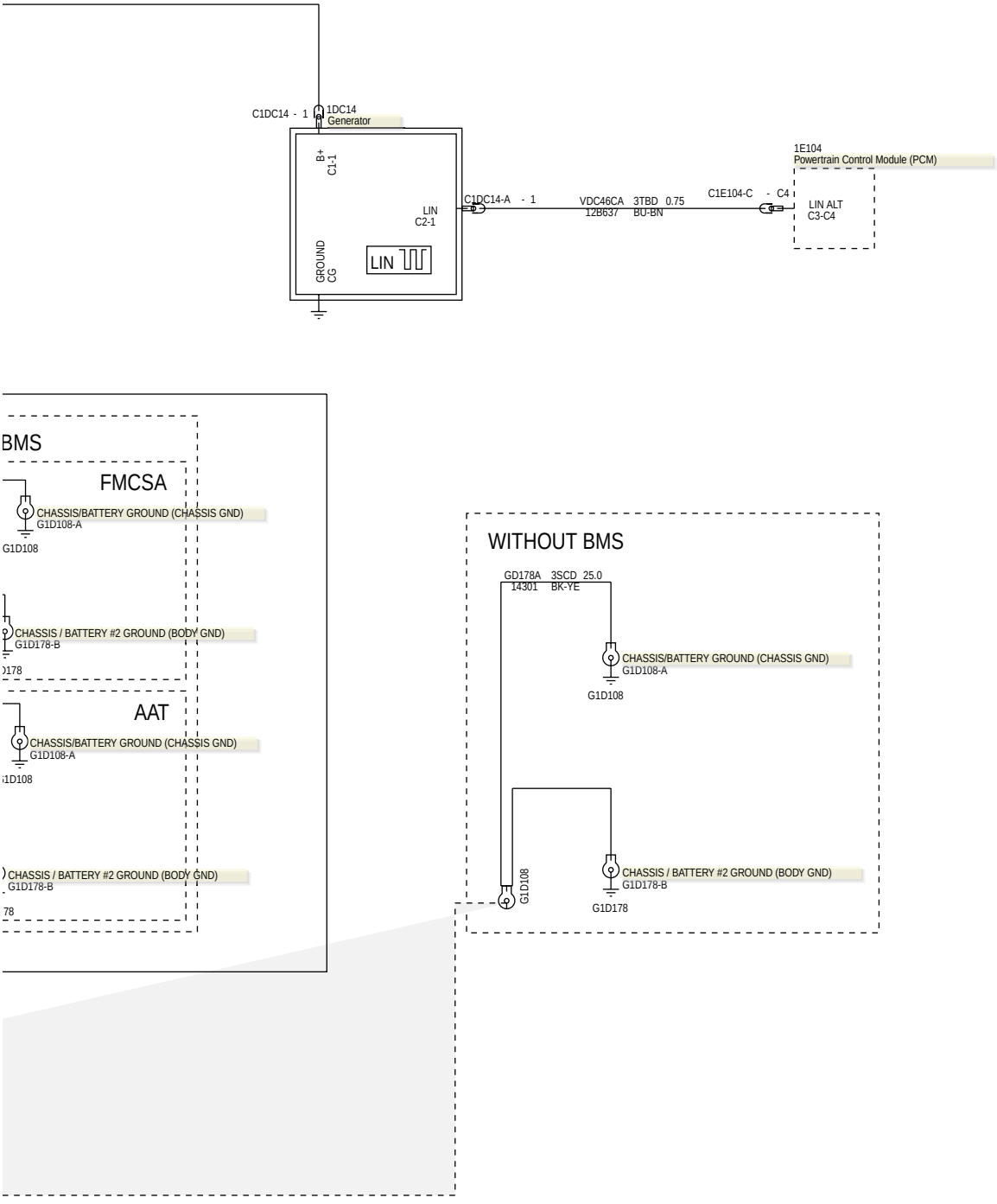

SDC14A 3TCD 16.0
12B637 RD
SDF01B 3SCD 35.0
14300 RD
1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
F30
15A MINI
C1BB03 - F30-2
SBB30 3TBD 1.0
14290 BN-RD
SDC02A 3SBD 25.0
14290 RD
WITH BMS
FMCSA
GD108C 3SCD 35.0
14301 BK-VT
CHASSIS/BATTERY GROUND (CHASSIS GND)
G1D108-A
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
AAT
GD108D 3SCD 35.0
14301 BK-VT
CHASSIS/BATTERY GROUND (CHASSIS GND)
G1D108-A
G1D108
G1D108-E
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
C1DC35-A - 1
C1:1
C2:1
CG
CDC56 3TBD 0.5
14290 WH
C2BP02-A - 42
CONTROL
C1-42
LIN8(BMS)
2BP02
Central Junction Box (CJB)
1DC02-C '1
1DC02-A '1
G1D108-D
C1DC57 '1
SILVER
C1DC57 '2
SILVER
BFT
150A
BATTERY
MONITORING
SENSOR
(+)
(-)
BATTERY
1DC02
Battery


WITHOUT BMS
GD108B 3SCD 35.0
14301 BK-VT
CHASSIS/BATTERY GROUND (CHASSIS GND)
G1D108-A
G1D108
GD178 3SCD 25.0
14301 BK-YE
G1D108-C
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178-B
G1D178
C1DC14 - 1
1DC14
Generator
B+
C1-1
LIN
C2-1
GROUND
C5
LIN
C1DC14-A - 1
VDC46AB 3TBD 0.75
12B637 BU-BN
C1E108-C - F3
LIN ALT CTRL
C3_F3
1E108
Powertrain Control Module (PCM)


SDC14A 3TCD 16.0
12B637 RD
SDF01B 3SCD 35.0
14300 RD
1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
F30
15A MINI
C1BB03 - F30-2
SBB30 3TBD 1.0
14290 BN-RD
SDC02A 3SBD 25.0
14290 RD
WITH BMS
FMCSA
GD108H 3SCD 35.0
14301 BK-VT
CHASSIS/BATTERY GROUND (CHASSIS GND)
G1D108-K
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
AAT
GD108G 3SCD 35.0
14301 BK-VT
CHASSIS/BATTERY GROUND (CHASSIS GND)
G1D108-K
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D108-E
G1D178
C1DC35-A
C1-1
C2-1
CG
CDC56 3TBD 0.5
14290 WH
C2BP02-A - 42
CONTROL
C1-42
LIN8(BMS)
2BP02
Central Junction Box (CJB)
1DC02-C
1DC02-A
G1D108-D
C1DC57 SILVER
C1DC57 SILVER
BFT
150A
BATTERY
MONITORING
SENSOR
(+)
(-)
BATTERY
1DC02
Battery


WITHOUT BMS
GD108A 3SCD 35.0
14301 BK-VT
CHASSIS/BATTERY GROUND (CHASSIS GND)
G1D108-K
G1D108
GD178 3SCD 25.0
14301 BK-YE
G1D108-C
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178-B
G1D178
C1DC14 - 1
1DC14
Generator
B+
C1-1
LIN
C2-1
GROUND
CG
LIN
C1DC14-A - 1
VDC46AB 3TBD 0.75
12B637 BU-BN
C1E108-C - F3
1E108
Powertrain Control Module (PCM)
LIN ALT CTRL
C3_F3


SDC14B 3TCD 25.0
12B637 RD
SDF01A 3SCD 25.0
14300 RD
C1DC35-A - 1
C1-1
C2-1
1DC35
Starter Motor
CG
1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
F30
15A MINI
C1BB03 - F30-2
SBB30 3TBD 1.0
14290 BN-RD
WITH
SDC02A 3SBD 25.0
14290 RD
CDC56 3TBD 0.5
14290 WH
C2BP02-A - 42
CONTROL
C1-42
LIN8(BMS)
2BP02
Central Junction Box (CJB)
1DC02-C
1DC02-A
G1D108-D
C1DC57 SILVER
C1DC57 SILVER
BFT
150A
BATTERY
MONITORING
SENSOR
(+)
(-)
BATTERY
1DC02
Battery


C1DC14 - 1
1DC14
Generator
B+
C1-1
LIN
C2-1
GROUND
C5
LIN
C1DC14-A - 1
VDC46CA 3TBD 0.75
12B637 BU-BN
C1E104-C - C4
1E104
Powertrain Control Module (PCM)
LIN ALT
C3-C4
BMS
FMCSA
CHASSIS/BATTERY GROUND (CHASSIS GND)
G1D108-A
G1D108
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178-B
AAT
CHASSIS/BATTERY GROUND (CHASSIS GND)
G1D108-A
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178-B
WITHOUT BMS
GD178A 3SCD 25.0
14301 BK-YE
CHASSIS/BATTERY GROUND (CHASSIS GND)
G1D108-A
G1D108
G1D108
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178-B
G1D178

Generator (G1404432)



1 SDC14A RD 3TCD 16.0 + SDC14B RD 3TCD 25.0

2S6T-14463-JA

C1DC14
TO ALTERNATOR (B+)

HARNESS 12B637

Generator—A (G1404433)

PIN 1 => VDC46AB BU-BN 0.75 3TBD



1 VDC46CA BU-BN 3TBD 0.75 + VDC46AB BU-BN 3TBD 0.75
2

4R8T-14A464-FA

C1DC14-A
TO ALTERNATOR (LIN)

HARNESS 12B637

SECTION 415-01 Information and Entertainment System

VEHICLE APPLICATION: 2012.0 Ranger

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ELECTRICAL SCHEMATICS

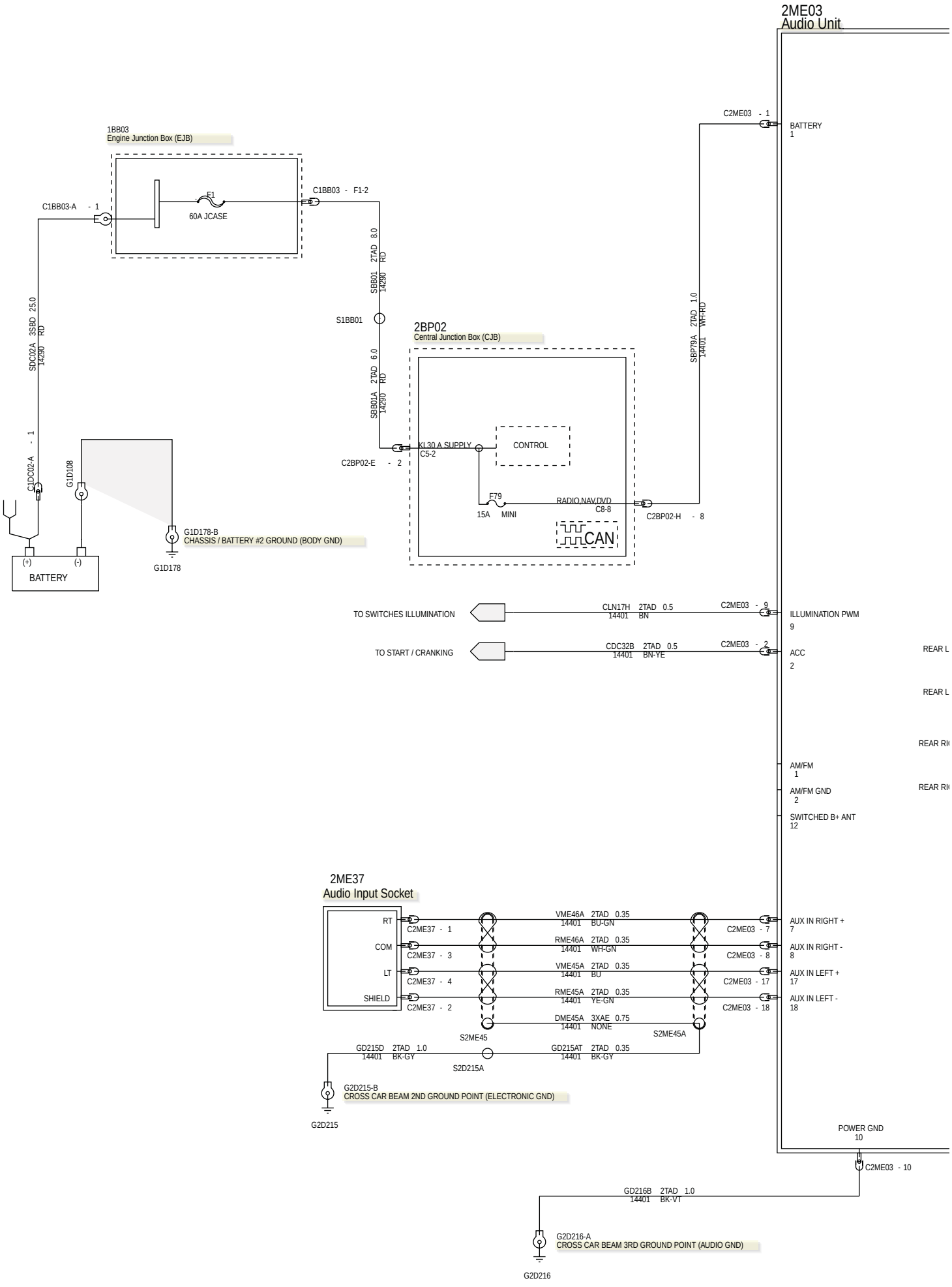
Audio System — Single Cab, LHD 4WD/LHD RWD, Vehicles With: Single DIN Standard Audio Unit..... 415-01-3
Audio System — Single Cab, RHD 4WD/RHD RWD, Vehicles With: Single DIN Standard Audio Unit..... 415-01-5
Audio System — Double Cab, LHD 4WD/LHD RWD, Vehicles With: Single DIN Standard Audio Unit..... 415-01-7
Audio System — Double Cab, RHD 4WD/RHD RWD, Vehicles With: Single DIN Standard Audio Unit..... 415-01-9
Audio System — Super Cab, LHD 4WD/LHD RWD, Vehicles With: Single DIN Standard Audio Unit..... 415-01-11
Audio System — Super Cab, RHD 4WD/RHD RWD, Vehicles With: Single DIN Standard Audio Unit..... 415-01-13
Audio System — Single Cab, LHD 4WD/LHD RWD, Vehicles With: Bluetooth and Voice Control..... 415-01-15
Audio System — Single Cab, LHD 4WD/LHD RWD, Vehicles Without: Bluetooth and Voice Control..... 415-01-19
Audio System — Double Cab, LHD 4WD/LHD RWD, Vehicles With: Bluetooth and Voice Control..... 415-01-21
Audio System — Double Cab, LHD 4WD/LHD RWD, Vehicles Without: Bluetooth and Voice Control..... 415-01-25
Audio System — Super Cab, LHD 4WD/LHD RWD, Vehicles With: Bluetooth and Voice Control..... 415-01-27
Audio System — Super Cab, LHD 4WD/LHD RWD, Vehicles Without: Bluetooth and Voice Control..... 415-01-31
Audio System — Single Cab, RHD 4WD/RHD RWD, Vehicles With: Bluetooth and Voice Control..... 415-01-35
Audio System — Single Cab, RHD 4WD/RHD RWD, Vehicles Without: Bluetooth and Voice Control..... 415-01-39
Audio System — Double Cab, RHD 4WD/RHD RWD, Vehicles With: Bluetooth and Voice Control..... 415-01-41
Audio System — Double Cab, RHD 4WD/RHD RWD, Vehicles Without: Bluetooth and Voice Control..... 415-01-45
Audio System — Super Cab, RHD 4WD/RHD RWD, Vehicles With: Bluetooth and Voice Control..... 415-01-47
Audio System — Super Cab, RHD 4WD/RHD RWD, Vehicles Without: Bluetooth and Voice Control..... 415-01-51

ELECTRICAL CONNECTORS

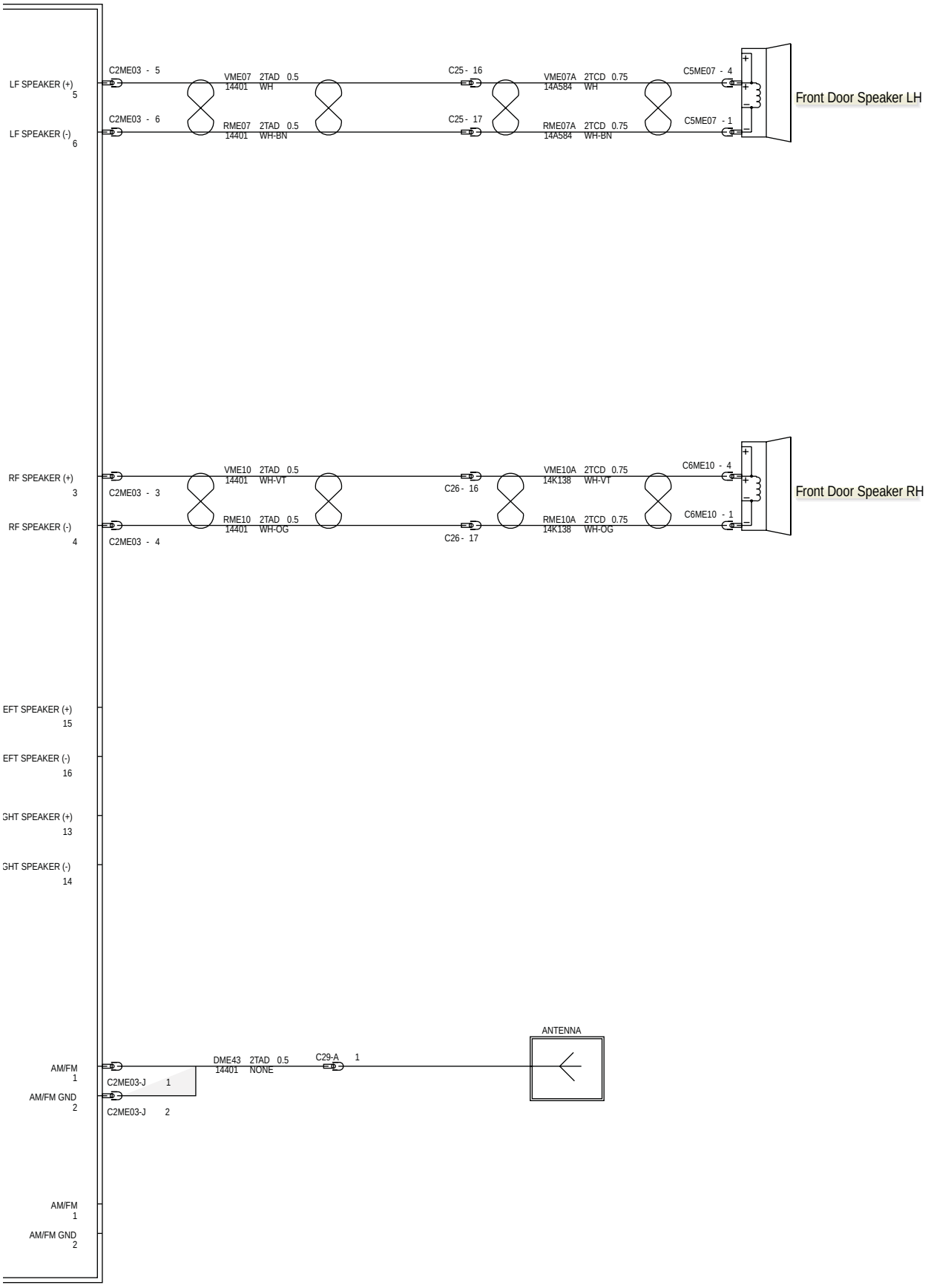
Audio Input Socket..... 415-01-53
Audio Unit..... 415-01-53

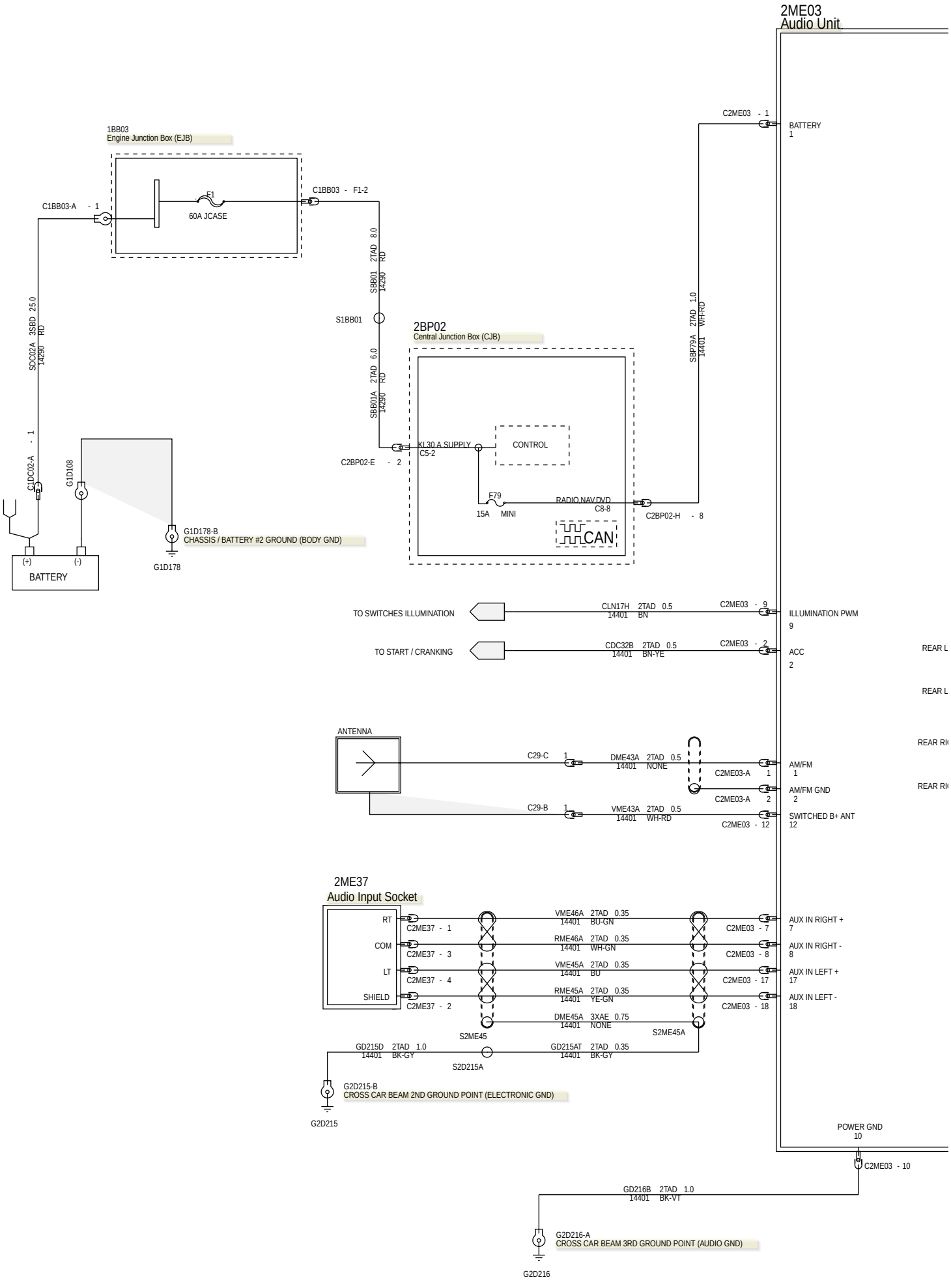
PAGE 2 OF 2

Audio Unit — J..... 415-01-53
Cellular Phone Microphone..... 415-01-53
Communications Module — A..... 415-01-54
Communications Module — B..... 415-01-54
Front Door Speaker LH..... 415-01-54
Front Door Speaker RH..... 415-01-54
Front Door Tweeter Speaker LH..... 415-01-55
Front Door Tweeter Speaker RH..... 415-01-55
Information and Entertainment Control Panel..... 415-01-55
Information and Entertainment Unit..... 415-01-55
Information and Entertainment Unit — A..... 415-01-56
Information and Entertainment Unit — B..... 415-01-56
Information and Entertainment Unit — D..... 415-01-56
Information and Entertainment Unit — F..... 415-01-56
Information and Entertainment Unit — K..... 415-01-57
Noise Suppression Capacitor..... 415-01-57
Rear Door Speaker LH..... 415-01-57
Rear Door Speaker RH..... 415-01-57

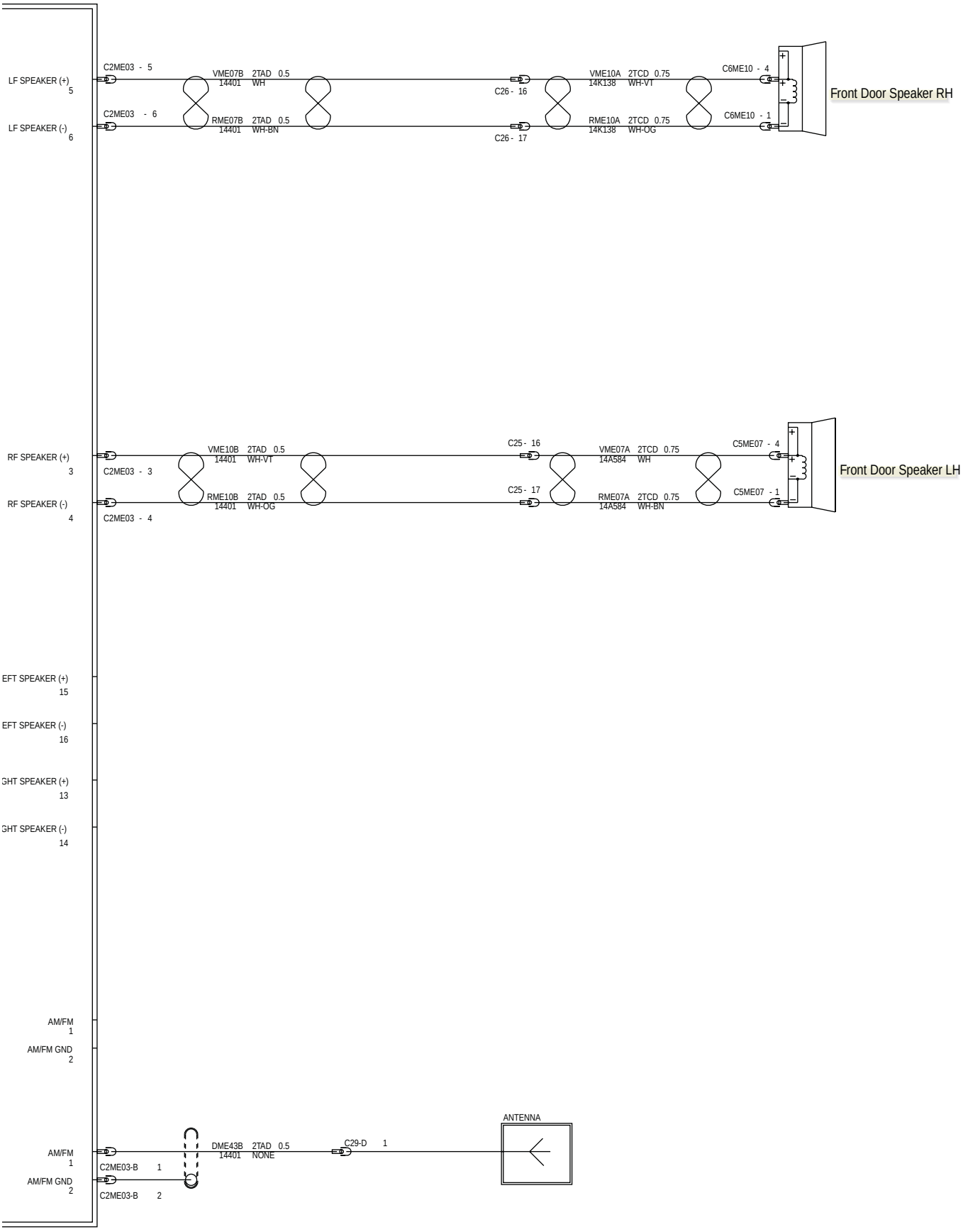

2ME03
Audio Unit
1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
F1
60A JCASE
C1BB03 - F1-2
SBB01 2TAD 8.0 RD 14290
S1BB01
SDC02A 3SBD 25.0 RD 14290
C1DC02-A - 1
G1D108
2BP02
Central Junction Box (CJB)
SBB01A 2TAD 6.0 RD 14290
C2BP02-E - 2
KL30 A SUPPLY C5-2
CONTROL
F79
15A MINI
RADIO NAV DVD C8-8
CAN
C2BP02-H - 8
SBP79A 2TAD 1.0 WH-RD 14401
C2ME03 - 1
BATTERY 1
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
TO SWITCHES ILLUMINATION
CLN17H 2TAD 0.5 14401 BN
C2ME03 - 9
ILLUMINATION PWM 9
TO START / CRANKING
CDC32B 2TAD 0.5 14401 BN-YE
C2ME03 - 2
ACC 2
AM/FM 1
AM/FM GND 2
SWITCHED B+ ANT 12
2ME37
Audio Input Socket
RT
COM
LT
SHIELD
C2ME37 - 1
C2ME37 - 3
C2ME37 - 4
C2ME37 - 2
VME46A 2TAD 0.35 14401 BU-GN
RME46A 2TAD 0.35 14401 WH-GN
VME45A 2TAD 0.35 14401 BU
RME45A 2TAD 0.35 14401 YE-GN
DME45A 3XAE 0.75 14401 NONE
S2ME45
S2ME45A
C2ME03 - 7
C2ME03 - 8
C2ME03 - 17
C2ME03 - 18
AUX IN RIGHT + 7
AUX IN RIGHT - 8
AUX IN LEFT + 17
AUX IN LEFT - 18
GD215D 2TAD 1.0 14401 BK-GY
GD215AT 2TAD 0.35 14401 BK-GY
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
POWER GND 10
C2ME03 - 10
GD216B 2TAD 1.0 14401 BK-VT
G2D216-A
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

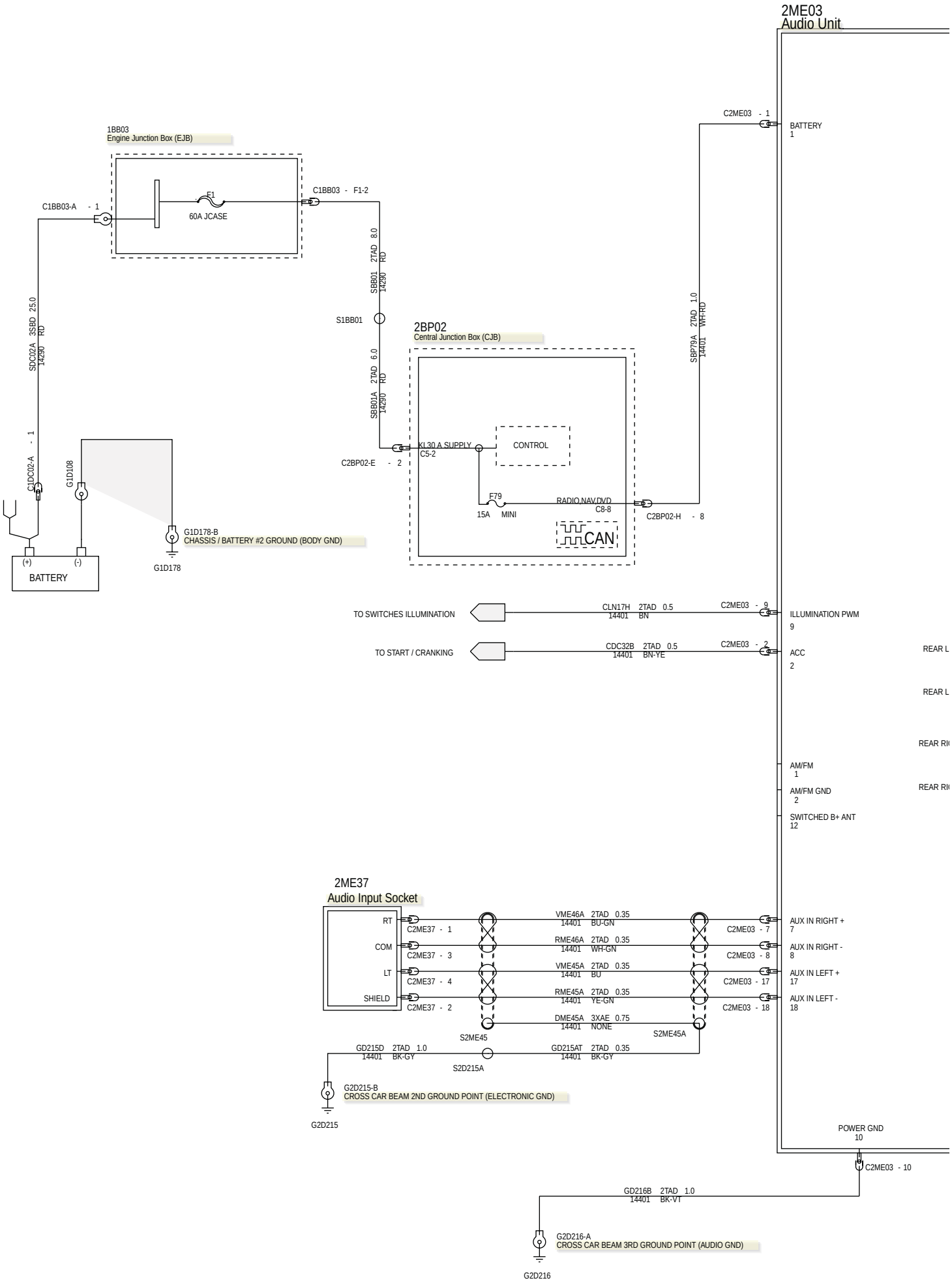
415-01-4 Audio System—Single Cab, LHD 4WD/LHD RWD, Vehicles With: Single DIN Standard Audio Unit



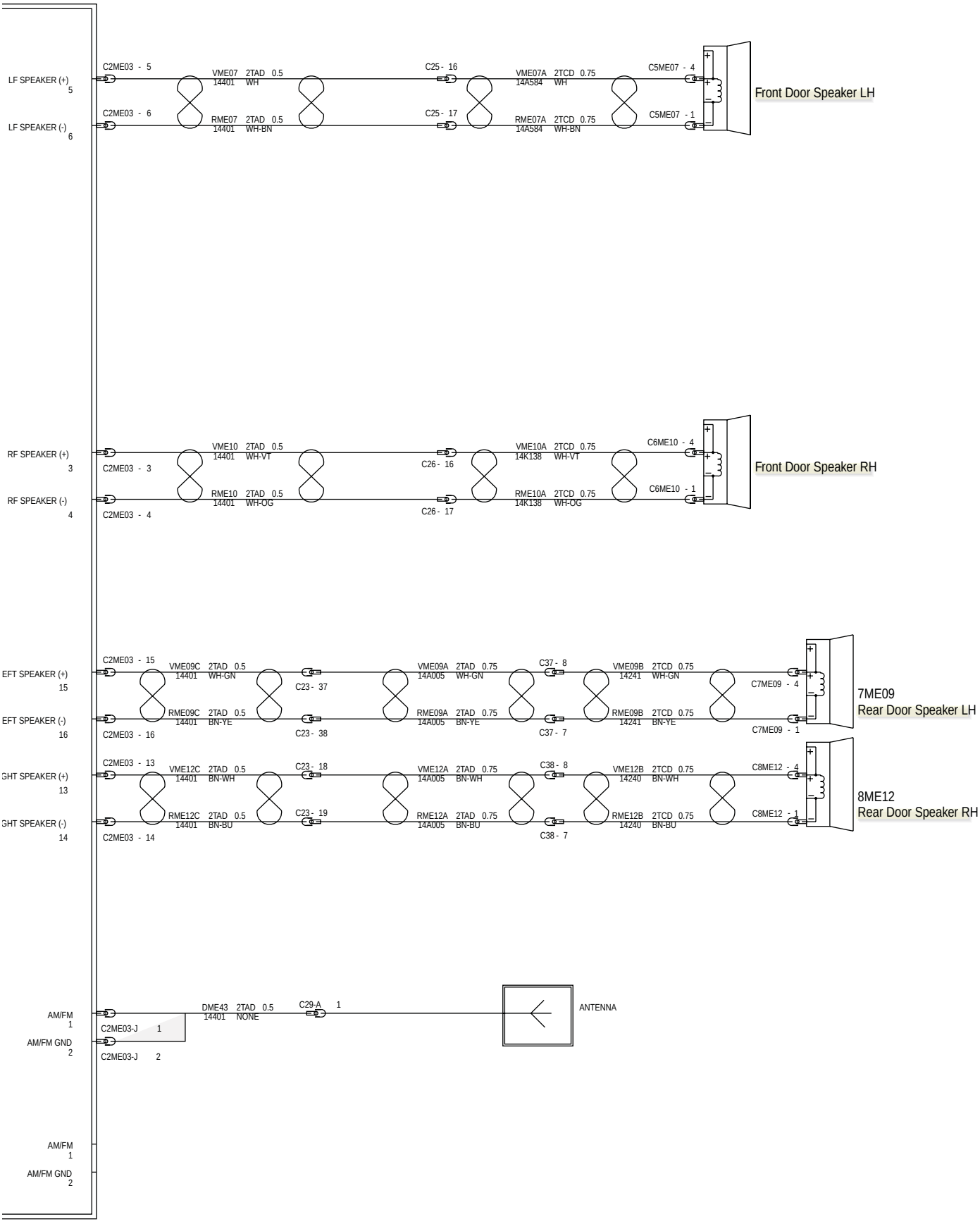

2ME03
Audio Unit
1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
F1
60A JCASE
C1BB03 - F1-2
SBB01 14290 2TAD 8.0 RD
S1BB01
SDC02A 14290 3SBD 25.0 RD
C1DC02-A - 1
G1D108
BATTERY
(+)
(-)
G1D178
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
2BP02
Central Junction Box (CJB)
SBB01A 14290 2TAD 6.0 RD
C2BP02-E - 2
KL30 A SUPPLY
C5-2
CONTROL
F79
15A MINI
RADIO NAV DVD
C8-8
CAN
C2BP02-H - 8
SBP79A 14401 2TAD 1.0 WH-RD
C2ME03 - 1
BATTERY
1
TO SWITCHES ILLUMINATION
CLN17H 14401 2TAD 0.5 BN
C2ME03 - 9
ILLUMINATION PWM
9
TO START / CRANKING
CDC32B 14401 2TAD 0.5 BN-YE
C2ME03 - 2
ACC
2
ANTENNA
C29-C 1
DME43A 14401 2TAD 0.5 NONE
C2ME03-A 1
AM/FM
1
C2ME03-A 2
AM/FM GND
2
C29-B 1
VME43A 14401 2TAD 0.5 WH-RD
C2ME03 - 12
SWITCHED B+ ANT
12
2ME37
Audio Input Socket
RT
COM
LT
SHIELD
C2ME37 - 1
C2ME37 - 3
C2ME37 - 4
C2ME37 - 2
VME46A 14401 2TAD 0.35 BU-GN
RME46A 14401 2TAD 0.35 WH-GN
VME45A 14401 2TAD 0.35 BU
RME45A 14401 2TAD 0.35 YE-GN
DME45A 14401 3XAE 0.75 NONE
S2ME45
S2ME45A
C2ME03 - 7
AUX IN RIGHT +
7
C2ME03 - 8
AUX IN RIGHT -
8
C2ME03 - 17
AUX IN LEFT +
17
C2ME03 - 18
AUX IN LEFT -
18
GD215D 14401 2TAD 1.0 BK-GY
S2D215A
GD215AT 14401 2TAD 0.35 BK-GY
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
POWER GND
10
C2ME03 - 10
GD216B 14401 2TAD 1.0 BK-VT
G2D216-A
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216
REAR L
REAR L
REAR RI
REAR RI

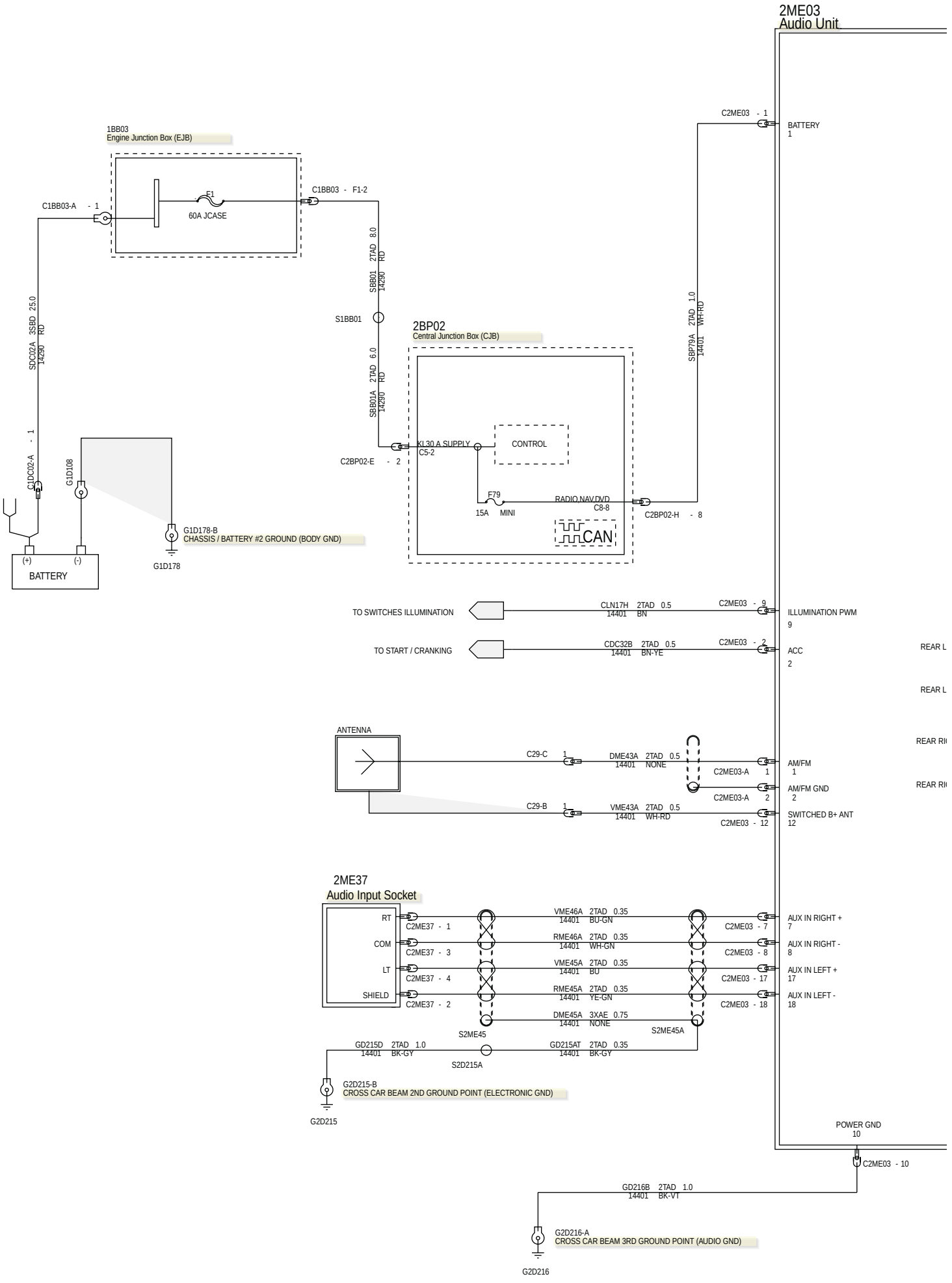
415-01-6 Audio System—Single Cab, RHD 4WD/RHD RWD, Vehicles With: Single DIN Standard Audio Unit



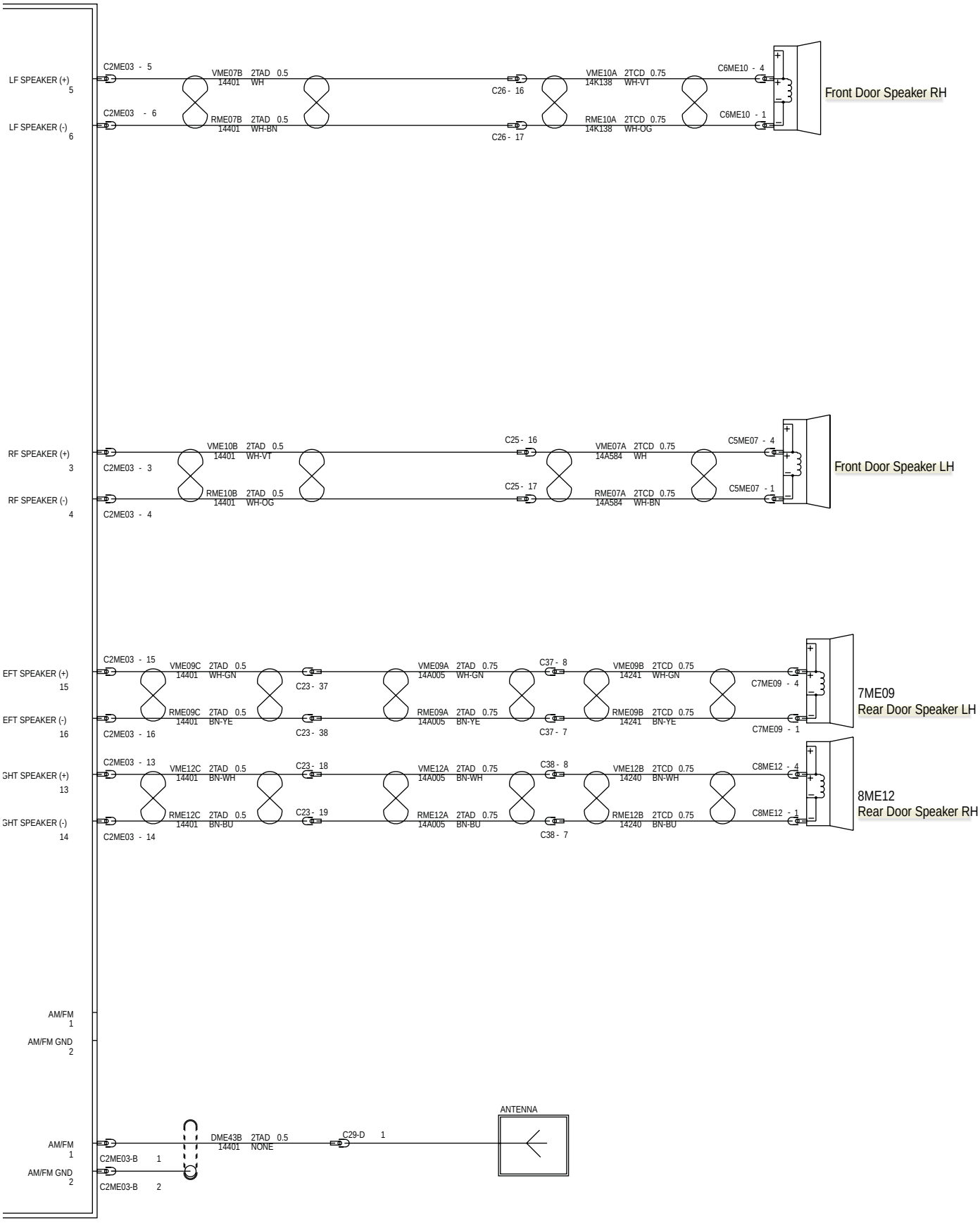

2ME03
Audio Unit
1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
F1
60A JCASE
C1BB03 - F1-2
SBB01 14290 2TAD 8.0 RD
S1BB01
SDC02A 14290 3SBD 25.0 RD
C1DC02-A - 1
G1D108
2BP02
Central Junction Box (CJB)
SBB01A 14290 2TAD 6.0 RD
C2BP02-E - 2
KL30 A SUPPLY
C5-2
CONTROL
F79
15A MINI
RADIO NAV DVD
C8-8
CAN
C2BP02-H - 8
SBP79A 14401 2TAD 1.0 WH-RD
C2ME03 - 1
BATTERY
1
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
TO SWITCHES ILLUMINATION
CLN17H 14401 2TAD 0.5 BN
C2ME03 - 9
ILLUMINATION PWM
9
TO START / CRANKING
CDC32B 14401 2TAD 0.5 BN-YE
C2ME03 - 2
ACC
2
AM/FM
1
AM/FM GND
2
SWITCHED B+ ANT
12
2ME37
Audio Input Socket
RT
COM
LT
SHIELD
C2ME37 - 1
C2ME37 - 3
C2ME37 - 4
C2ME37 - 2
VME46A 14401 2TAD 0.35 BU-GN
RME46A 14401 2TAD 0.35 WH-GN
VME45A 14401 2TAD 0.35 BU
RME45A 14401 2TAD 0.35 YE-GN
DME45A 14401 3XAE 0.75 NONE
S2ME45
S2ME45A
C2ME03 - 7
C2ME03 - 8
C2ME03 - 17
C2ME03 - 18
AUX IN RIGHT +
7
AUX IN RIGHT -
8
AUX IN LEFT +
17
AUX IN LEFT -
18
GD215D 14401 2TAD 1.0 BK-GY
GD215AT 14401 2TAD 0.35 BK-GY
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
POWER GND
10
C2ME03 - 10
GD216B 14401 2TAD 1.0 BK-VT
G2D216-A
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

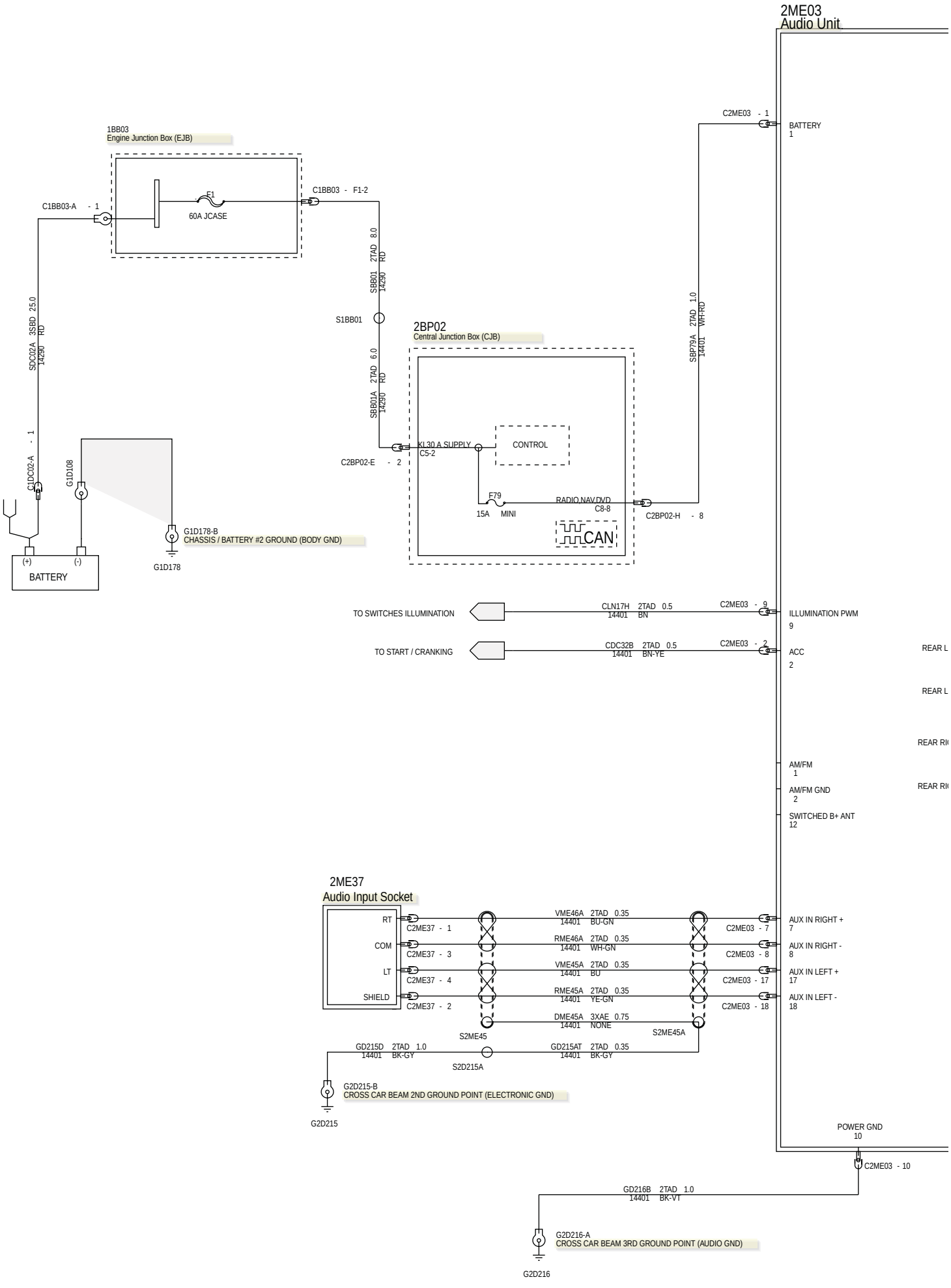
415-01-8 Audio System—Double Cab, LHD 4WD/LHD RWD, Vehicles With: Single DIN Standard Audio Unit



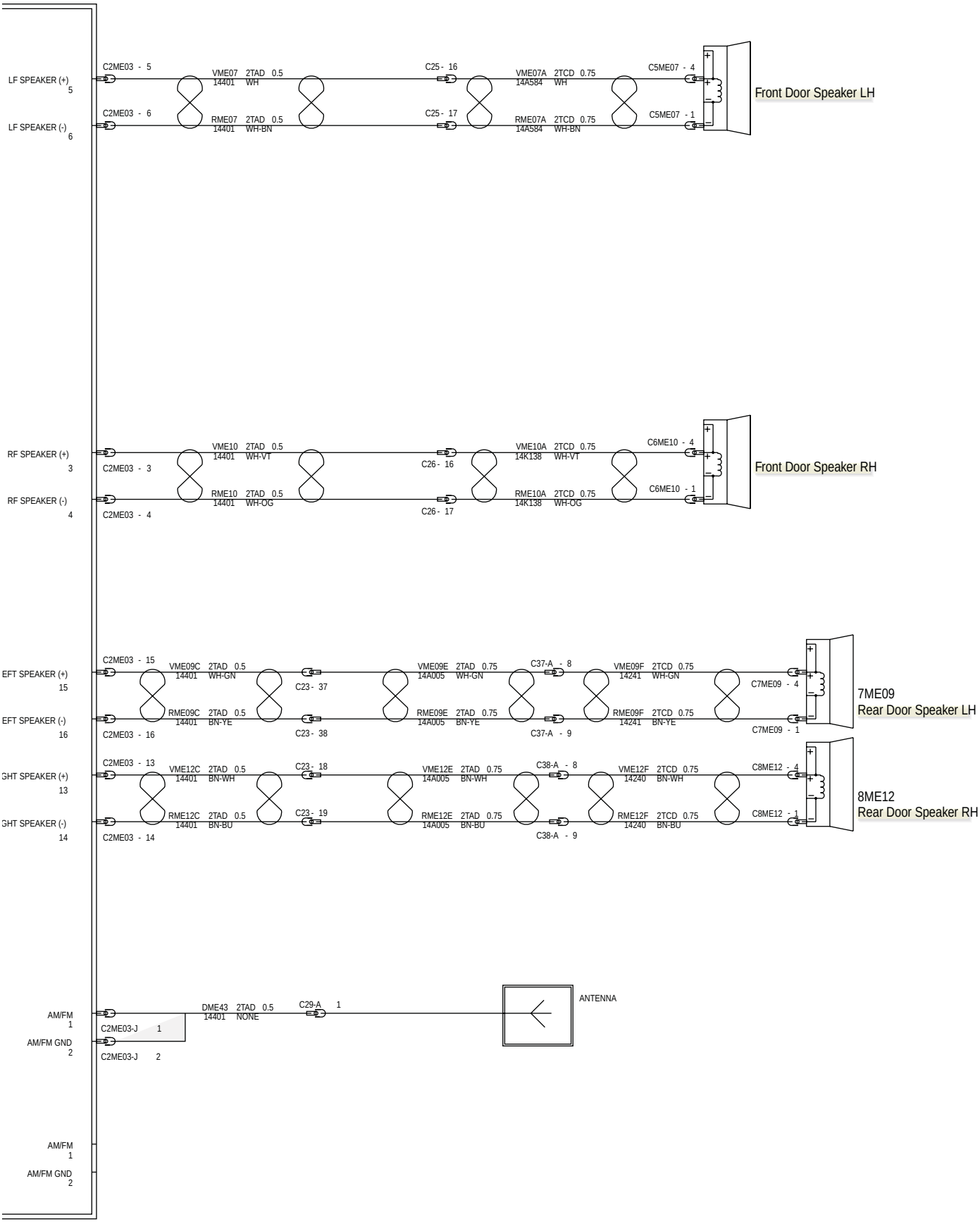

2ME03
Audio Unit
1BB03
Engine Junction Box (EJB)
F1
60A JCASE
C1BB03-A - 1
C1BB03 - F1-2
SBB01 2TAD 8.0 RD 14290
S1BB01
SDC02A 3SBD 25.0 RD 14290
C1DC02-A - 1
G1D108
BATTERY
(+)
(-)
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
2BP02
Central Junction Box (CJB)
SBB01A 2TAD 6.0 RD 14290
C2BP02-E - 2
KL30 A SUPPLY
C5-2
CONTROL
F79
15A MINI
RADIO NAV DVD
C8-8
CAN
C2BP02-H - 8
SBP79A 2TAD 1.0 WH-RD 14401
C2ME03 - 1
BATTERY
1
TO SWITCHES ILLUMINATION
CLN17H 2TAD 0.5 BN 14401
C2ME03 - 9
ILLUMINATION PWM
9
TO START / CRANKING
CDC32B 2TAD 0.5 BN-YE 14401
C2ME03 - 2
ACC
2
ANTENNA
C29-C 1
DME43A 2TAD 0.5 NONE 14401
C2ME03-A 1
AM/FM
1
C2ME03-A 2
AM/FM GND
2
C29-B 1
VME43A 2TAD 0.5 WH-RD 14401
C2ME03 - 12
SWITCHED B+ ANT
12
2ME37
Audio Input Socket
RT
COM
LT
SHIELD
C2ME37 - 1
C2ME37 - 3
C2ME37 - 4
C2ME37 - 2
VME46A 2TAD 0.35 BU-GN 14401
RME46A 2TAD 0.35 WH-GN 14401
VME45A 2TAD 0.35 BU 14401
RME45A 2TAD 0.35 YE-GN 14401
DME45A 3XAE 0.75 NONE 14401
S2ME45
S2ME45A
C2ME03 - 7
C2ME03 - 8
C2ME03 - 17
C2ME03 - 18
AUX IN RIGHT +
7
AUX IN RIGHT -
8
AUX IN LEFT +
17
AUX IN LEFT -
18
GD215D 2TAD 1.0 BK-GY 14401
GD215AT 2TAD 0.35 BK-GY 14401
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
POWER GND
10
C2ME03 - 10
GD216B 2TAD 1.0 BK-VT 14401
G2D216-A
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216
REAR L
REAR L
REAR RI
REAR RI

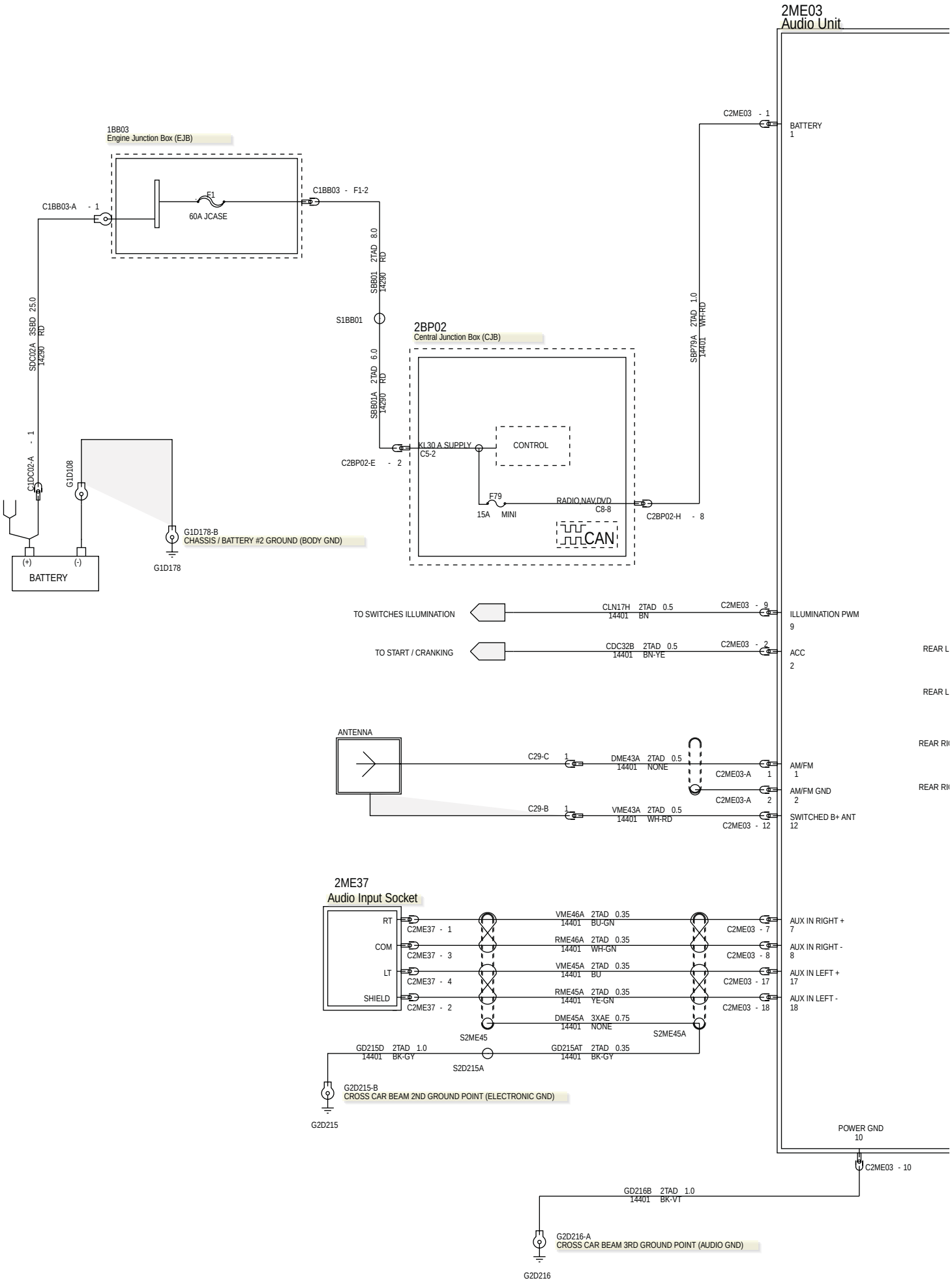
415-01-10 Audio System—Double Cab, RHD 4WD/RHD RWD, Vehicles With: Single DIN Standard Audio Unit

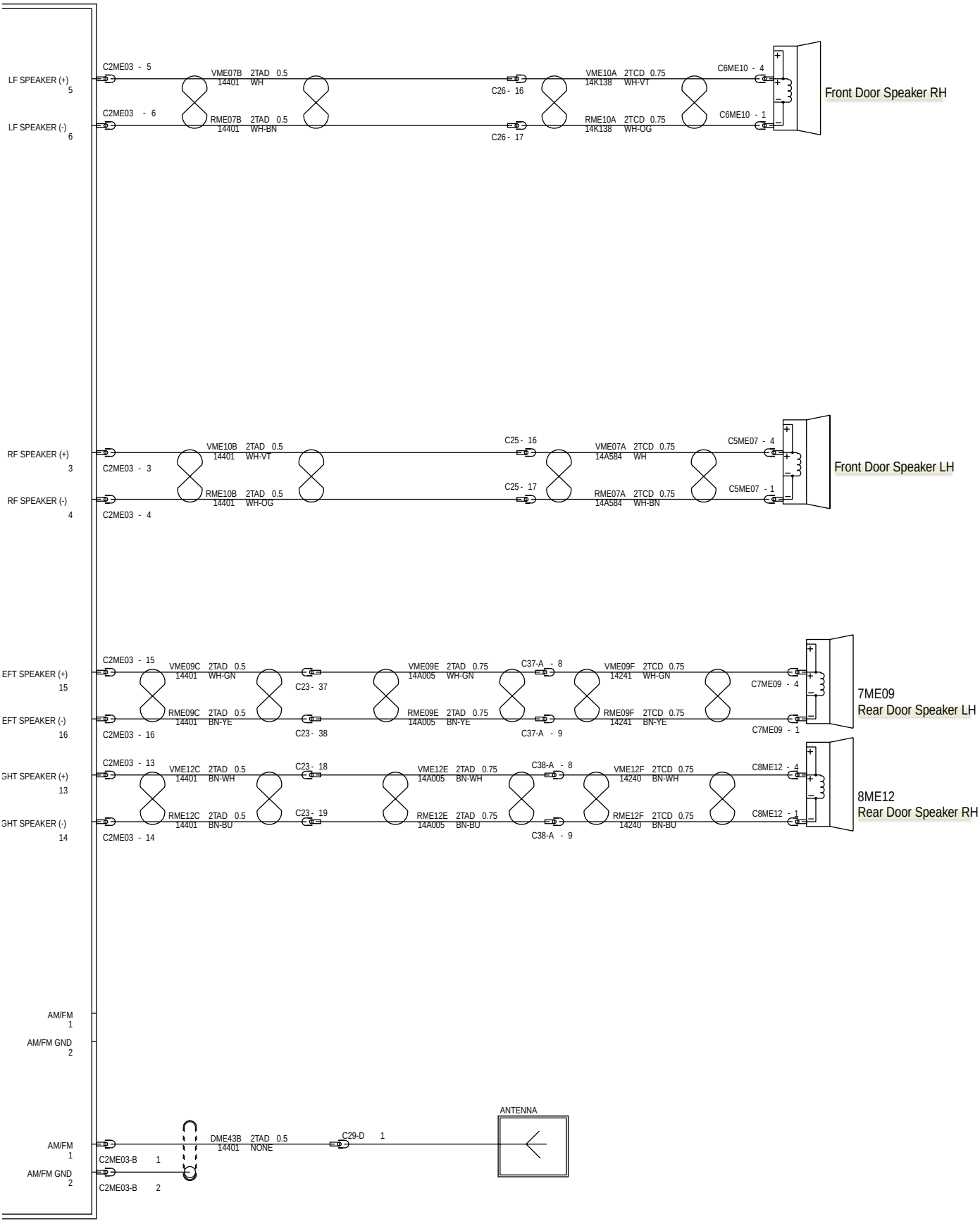


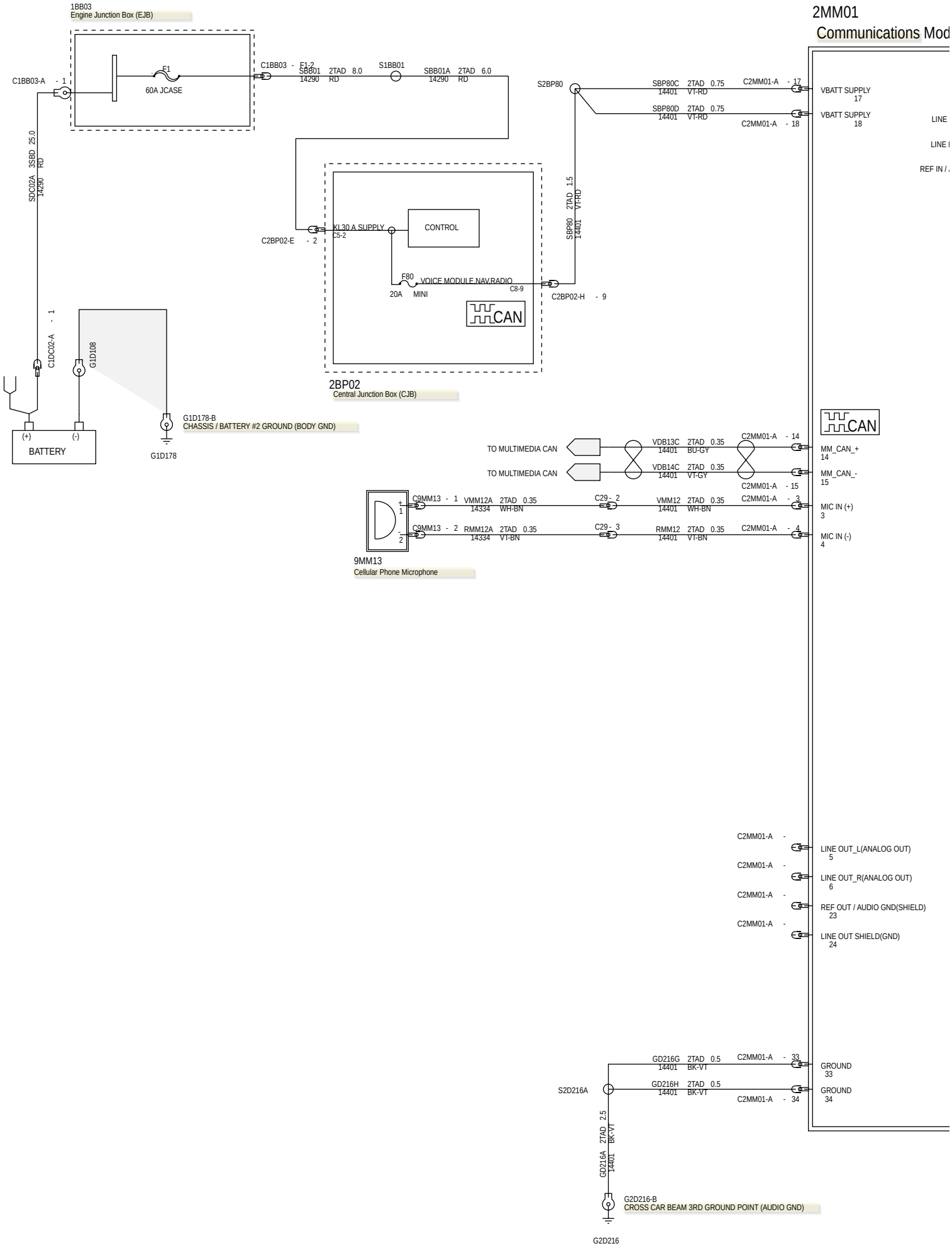

2ME03
Audio Unit
1BB03
Engine Junction Box (EJB)
F1
60A JCASE
C1BB03-A - 1
C1BB03 - F1-2
SBB01 14290 2TAD 8.0 RD
S1BB01
SDC02A 14290 3SBD 25.0 RD
C1DC02-A - 1
G1D108
BATTERY
(+)
(-)
G1D178
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
2BP02
Central Junction Box (CJB)
SBB01A 14290 2TAD 6.0 RD
C2BP02-E - 2
KL30 A SUPPLY
C5-2
CONTROL
F79
15A MINI
RADIO NAV DVD
C8-8
CAN
C2BP02-H - 8
SBP79A 14401 2TAD 1.0 WH-RD
C2ME03 - 1
BATTERY
1
TO SWITCHES ILLUMINATION
CLN17H 14401 2TAD 0.5 BN
C2ME03 - 9
ILLUMINATION PWM
9
TO START / CRANKING
CDC32B 14401 2TAD 0.5 BN-YE
C2ME03 - 2
ACC
2
AM/FM
1
AM/FM GND
2
SWITCHED B+ ANT
12
2ME37
Audio Input Socket
RT
COM
LT
SHIELD
C2ME37 - 1
C2ME37 - 3
C2ME37 - 4
C2ME37 - 2
VME46A 14401 2TAD 0.35 BU-GN
RME46A 14401 2TAD 0.35 WH-GN
VME45A 14401 2TAD 0.35 BU
RME45A 14401 2TAD 0.35 YE-GN
DME45A 14401 3XAE 0.75 NONE
S2ME45
S2ME45A
C2ME03 - 7
C2ME03 - 8
C2ME03 - 17
C2ME03 - 18
AUX IN RIGHT + 7
AUX IN RIGHT - 8
AUX IN LEFT + 17
AUX IN LEFT - 18
GD215D 14401 2TAD 1.0 BK-GY
GD215AT 14401 2TAD 0.35 BK-GY
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
POWER GND
10
C2ME03 - 10
GD216B 14401 2TAD 1.0 BK-VT
G2D216-A
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216
REAR L
REAR L
REAR RI
REAR RI

415-01-12 Audio System—Super Cab, LHD 4WD/LHD RWD, Vehicles With: Single DIN Standard Audio Unit

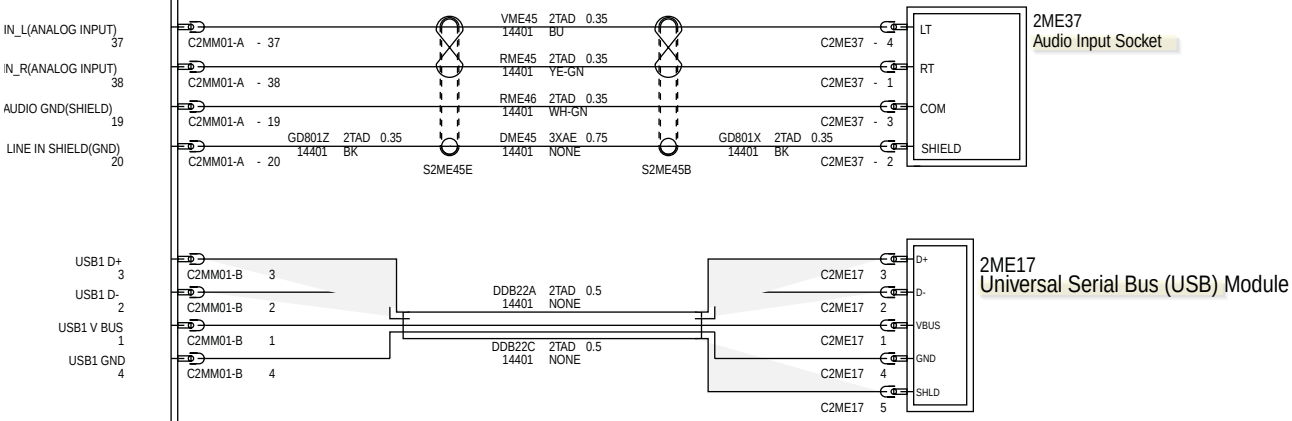



2ME03
Audio Unit
1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
F1
60A JCASE
C1BB03 - F1-2
SBB01 14290 2TAD 8.0 RD
S1BB01
SDC02A 14290 3SBD 25.0 RD
C1DC02-A - 1
G1D108
BATTERY
(+)
(-)
G1D178
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
2BP02
Central Junction Box (CJB)
SBB01A 14290 2TAD 6.0 RD
C2BP02-E - 2
KL30 A SUPPLY
C5-2
CONTROL
F79
15A MINI
RADIO NAV DVD
C8-8
CAN
C2BP02-H - 8
SBP79A 14401 2TAD 1.0 WH-RD
C2ME03 - 1
BATTERY
1
TO SWITCHES ILLUMINATION
CLN17H 14401 2TAD 0.5 BN
C2ME03 - 9
ILLUMINATION PWM
9
TO START / CRANKING
CDC32B 14401 2TAD 0.5 BN-YE
C2ME03 - 2
ACC
2
ANTENNA
C29-C 1
DME43A 14401 2TAD 0.5 NONE
C2ME03-A 1
AM/FM
1
C2ME03-A 2
AM/FM GND
2
C29-B 1
VME43A 14401 2TAD 0.5 WH-RD
C2ME03 - 12
SWITCHED B+ ANT
12
2ME37
Audio Input Socket
RT
COM
LT
SHIELD
C2ME37 - 1
C2ME37 - 3
C2ME37 - 4
C2ME37 - 2
VME46A 14401 2TAD 0.35 BU-GN
RME46A 14401 2TAD 0.35 WH-GN
VME45A 14401 2TAD 0.35 BU
RME45A 14401 2TAD 0.35 YE-GN
DME45A 14401 3XAE 0.75 NONE
S2ME45
S2ME45A
C2ME03 - 7
C2ME03 - 8
C2ME03 - 17
C2ME03 - 18
AUX IN RIGHT +
7
AUX IN RIGHT -
8
AUX IN LEFT +
17
AUX IN LEFT -
18
GD215D 14401 2TAD 1.0 BK-GY
GD215AT 14401 2TAD 0.35 BK-GY
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
POWER GND
10
C2ME03 - 10
GD216B 14401 2TAD 1.0 BK-VT
G2D216-A
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216
REAR L
REAR L
REAR RI
REAR RI


LF SPEAKER (+)
5
LF SPEAKER (-)
6
C2ME03 - 5
C2ME03 - 6
VME07B 2TAD 0.5
14401 WH
RME07B 2TAD 0.5
14401 WH-BN
C26 - 16
C26 - 17
VME10A 2TCD 0.75
14K138 WH-VT
RME10A 2TCD 0.75
14K138 WH-OG
C6ME10 - 4
C6ME10 - 1
Front Door Speaker RH
RF SPEAKER (+)
3
RF SPEAKER (-)
4
C2ME03 - 3
C2ME03 - 4
VME10B 2TAD 0.5
14401 WH-VT
RME10B 2TAD 0.5
14401 WH-OG
C25 - 16
C25 - 17
VME07A 2TCD 0.75
14A584 WH
RME07A 2TCD 0.75
14A584 WH-BN
C5ME07 - 4
C5ME07 - 1
Front Door Speaker LH
EFT SPEAKER (+)
15
EFT SPEAKER (-)
16
C2ME03 - 15
C2ME03 - 16
VME09C 2TAD 0.5
14401 WH-GN
RME09C 2TAD 0.5
14401 BN-YE
C23 - 37
C23 - 38
VME09E 2TAD 0.75
14A005 WH-GN
RME09E 2TAD 0.75
14A005 BN-YE
C37-A - 8
C37-A - 9
VME09F 2TCD 0.75
14241 WH-GN
RME09F 2TCD 0.75
14241 BN-YE
C7ME09 - 4
C7ME09 - 1
7ME09
Rear Door Speaker LH
GHT SPEAKER (+)
13
GHT SPEAKER (-)
14
C2ME03 - 13
C2ME03 - 14
VME12C 2TAD 0.5
14401 BN-WH
RME12C 2TAD 0.5
14401 BN-BU
C23 - 18
C23 - 19
VME12E 2TAD 0.75
14A005 BN-WH
RME12E 2TAD 0.75
14A005 BN-BU
C38-A - 8
C38-A - 9
VME12F 2TCD 0.75
14240 BN-WH
RME12F 2TCD 0.75
14240 BN-BU
C8ME12 - 4
C8ME12 - 1
8ME12
Rear Door Speaker RH
AM/FM
1
AM/FM GND
2
AM/FM
1
AM/FM GND
2
C2ME03-B 1
C2ME03-B 2
DME43B 2TAD 0.5
14401 NONE
C29-D 1
ANTENNA

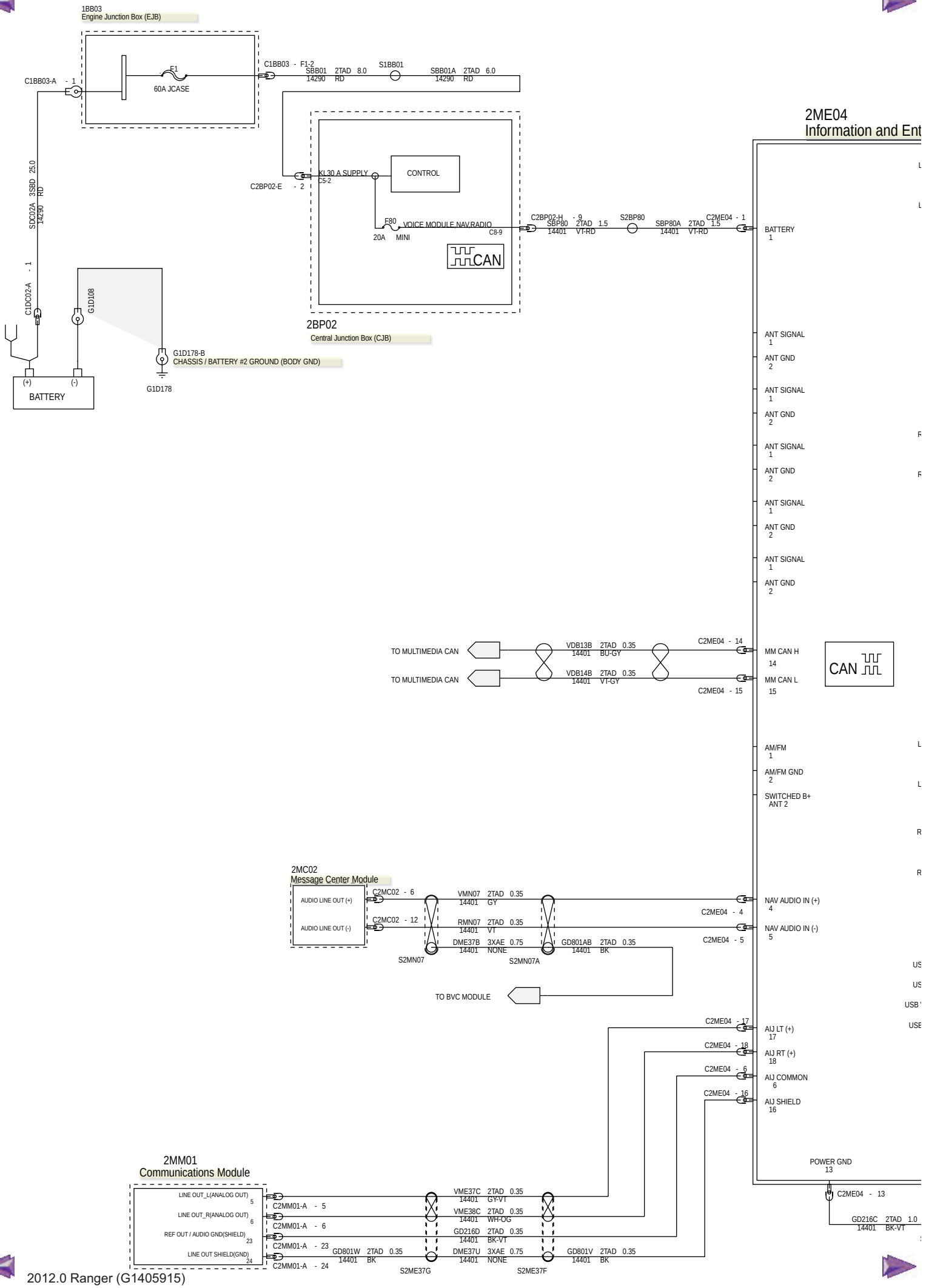

1BB03
Engine Junction Box (EJB)
F1
60A JCASE
C1BB03-A - 1
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
SBB01A 2TAD 6.0
14290 RD
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
S2BP80
SBP80C 2TAD 0.75
14401 VT-RD
SBP80D 2TAD 0.75
14401 VT-RD
C2MM01-A - 17
C2MM01-A - 18
SBP80 2TAD 1.5
14401 VT-RD
C2BP02-E - 2
KL30 A SUPPLY
C5-2
CONTROL
F80
20A MINI
VOICE MODULE NAV.RADIO
C8-9
C2BP02-H - 9
CAN
2BP02
Central Junction Box (CJB)
2MM01
Communications Mod
VBATT SUPPLY
17
VBATT SUPPLY
18
LINE
LINE
REF IN /
CAN
TO MULTIMEDIA CAN
VDB13C 2TAD 0.35
14401 BU-GY
VDB14C 2TAD 0.35
14401 VT-GY
C2MM01-A - 14
C2MM01-A - 15
MM_CAN_+
14
MM_CAN_-
15
C9MM13 - 1
VMM12A 2TAD 0.35
14334 WH-BN
C9MM13 - 2
RMM12A 2TAD 0.35
14334 VT-BN
C29 - 2
C29 - 3
VMM12 2TAD 0.35
14401 WH-BN
RMM12 2TAD 0.35
14401 VT-BN
C2MM01-A - 3
C2MM01-A - 4
MIC IN (+)
3
MIC IN (-)
4
9MM13
Cellular Phone Microphone
C2MM01-A -
LINE OUT_L(ANALOG OUT)
5
C2MM01-A -
LINE OUT_R(ANALOG OUT)
6
C2MM01-A -
REF OUT / AUDIO GND(SHIELD)
23
C2MM01-A -
LINE OUT SHIELD(GND)
24
GD216G 2TAD 0.5
14401 BK-VT
GD216H 2TAD 0.5
14401 BK-VT
C2MM01-A - 33
C2MM01-A - 34
GROUND
33
GROUND
34
S2D216A
GD216A 2TAD 2.5
14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

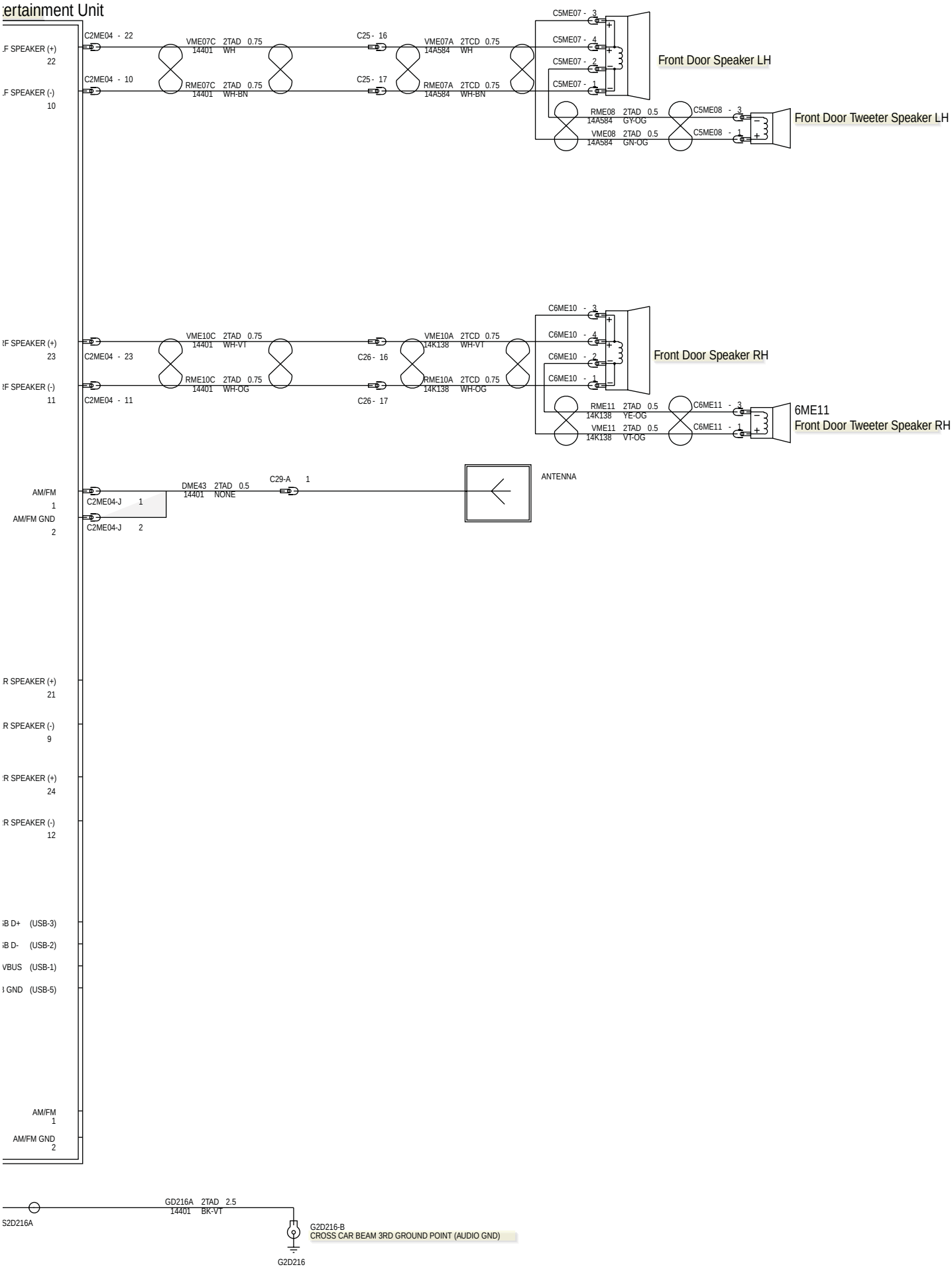
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IN_L(ANALOG INPUT)
37
C2MM01-A - 37
VME45 2TAD 0.35
14401 BU
C2ME37 - 4
LT
IN_R(ANALOG INPUT)
38
C2MM01-A - 38
RME45 2TAD 0.35
14401 YE-GN
C2ME37 - 1
RT
AUDIO GND(SHIELD)
19
C2MM01-A - 19
RME46 2TAD 0.35
14401 WH-GN
C2ME37 - 3
COM
LINE IN SHIELD(GND)
20
C2MM01-A - 20
GD801Z 2TAD 0.35
14401 BK
DME45 3XAE 0.75
14401 NONE
GD801X 2TAD 0.35
14401 BK
C2ME37 - 2
SHIELD
S2ME45E
S2ME45B
2ME37
Audio Input Socket

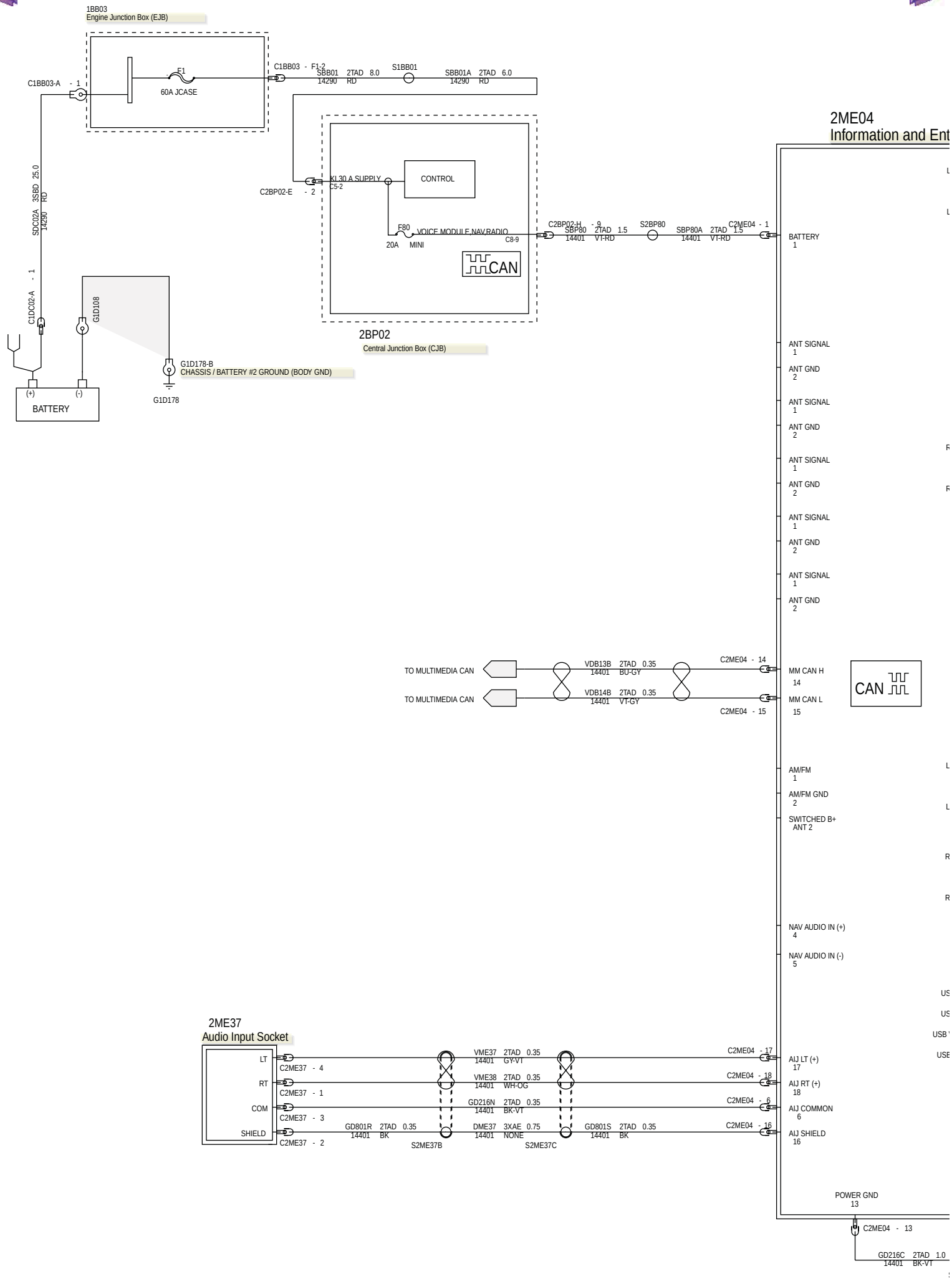
USB1 D+
3
C2MM01-B 3
USB1 D-
2
C2MM01-B 2
USB1 V BUS
1
C2MM01-B 1
USB1 GND
4
C2MM01-B 4
DDB22A 2TAD 0.5
14401 NONE
DDB22C 2TAD 0.5
14401 NONE
C2ME17 3
C2ME17 2
C2ME17 1
C2ME17 4
C2ME17 5
D+
D-
VBUS
GND
SHLD
2ME17
Universal Serial Bus (USB) Module

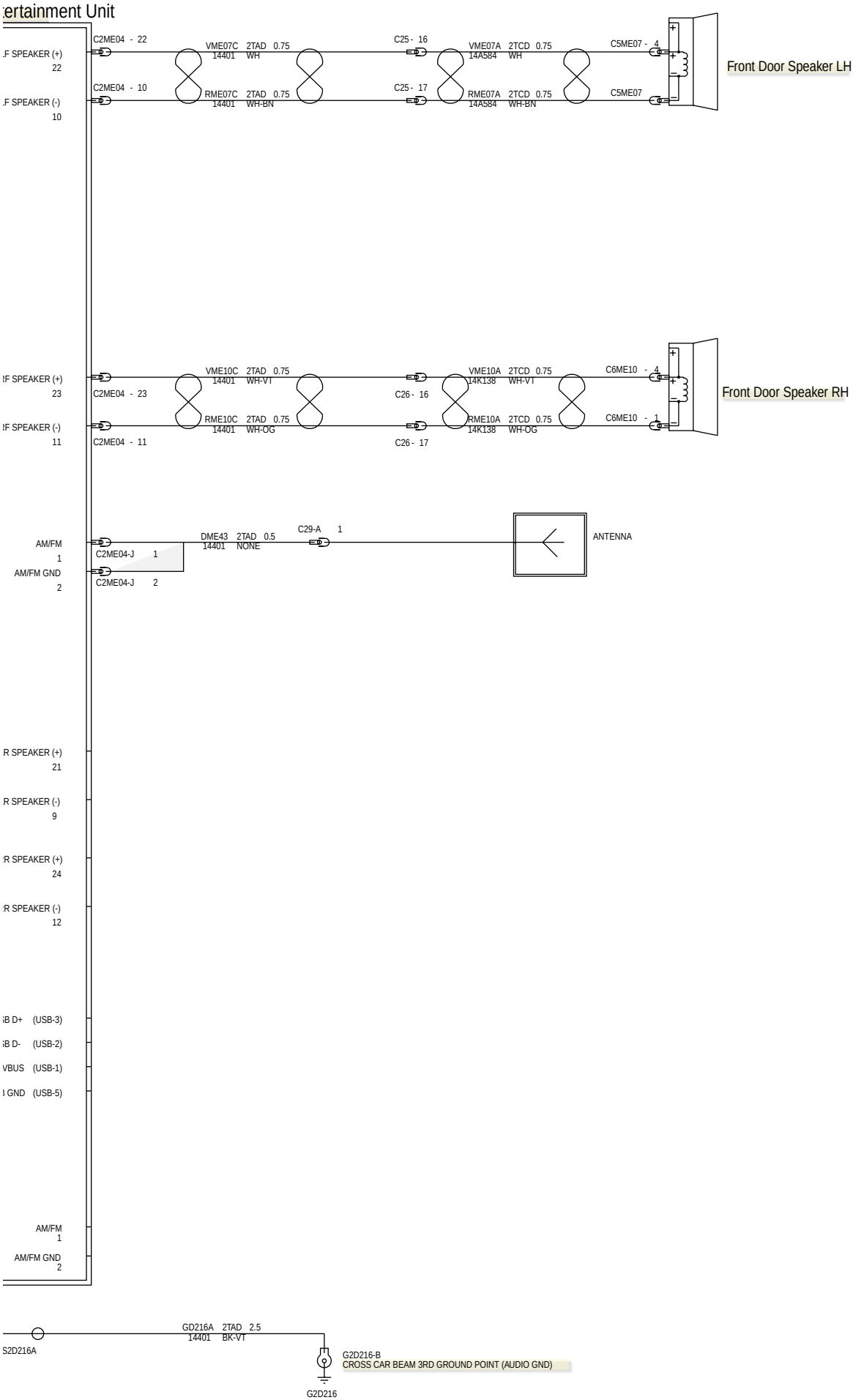
415-01-17 Audio System—Single Cab, LHD 4WD/LHD RWD, Vehicles With: Bluetooth and Voice Control

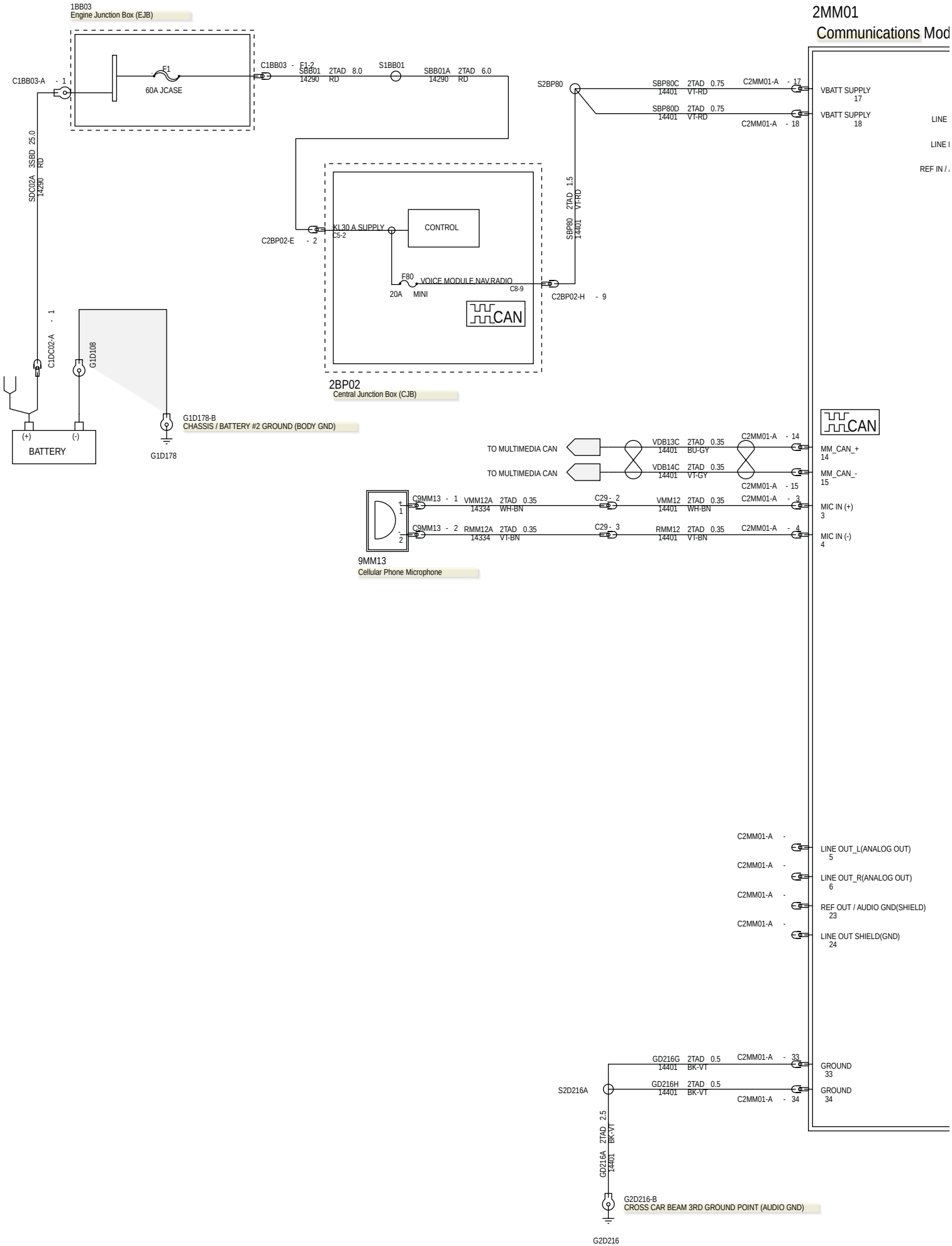



ertainment Unit
F SPEAKER (+)
22
F SPEAKER (-)
10
C2ME04 - 22
C2ME04 - 10
VME07C 2TAD 0.75
14401 WH
RME07C 2TAD 0.75
14401 WH-BN
C25 - 16
C25 - 17
VME07A 2TCD 0.75
14A584 WH
RME07A 2TCD 0.75
14A584 WH-BN
C5ME07 - 3
C5ME07 - 4
C5ME07 - 2
C5ME07 - 1
Front Door Speaker LH
RME08 2TAD 0.5
14A584 GY-OG
VME08 2TAD 0.5
14A584 GN-OG
C5ME08 - 3
C5ME08 - 1
Front Door Tweeter Speaker LH
F SPEAKER (+)
23
F SPEAKER (-)
11
C2ME04 - 23
C2ME04 - 11
VME10C 2TAD 0.75
14401 WH-VT
RME10C 2TAD 0.75
14401 WH-OG
C26 - 16
C26 - 17
VME10A 2TCD 0.75
14K138 WH-VT
RME10A 2TCD 0.75
14K138 WH-OG
C6ME10 - 3
C6ME10 - 4
C6ME10 - 2
C6ME10 - 1
Front Door Speaker RH
RME11 2TAD 0.5
14K138 YE-OG
VME11 2TAD 0.5
14K138 VT-OG
C6ME11 - 3
C6ME11 - 1
6ME11
Front Door Tweeter Speaker RH
AM/FM
1
AM/FM GND
2
C2ME04-J 1
C2ME04-J 2
DME43 2TAD 0.5
14401 NONE
C29-A 1
ANTENNA
R SPEAKER (+)
21
R SPEAKER (-)
9
R SPEAKER (+)
24
R SPEAKER (-)
12
B D+ (USB-3)
B D- (USB-2)
VBUS (USB-1)
GND (USB-5)
AM/FM
1
AM/FM GND
2
S2D216A
GD216A 2TAD 2.5
14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

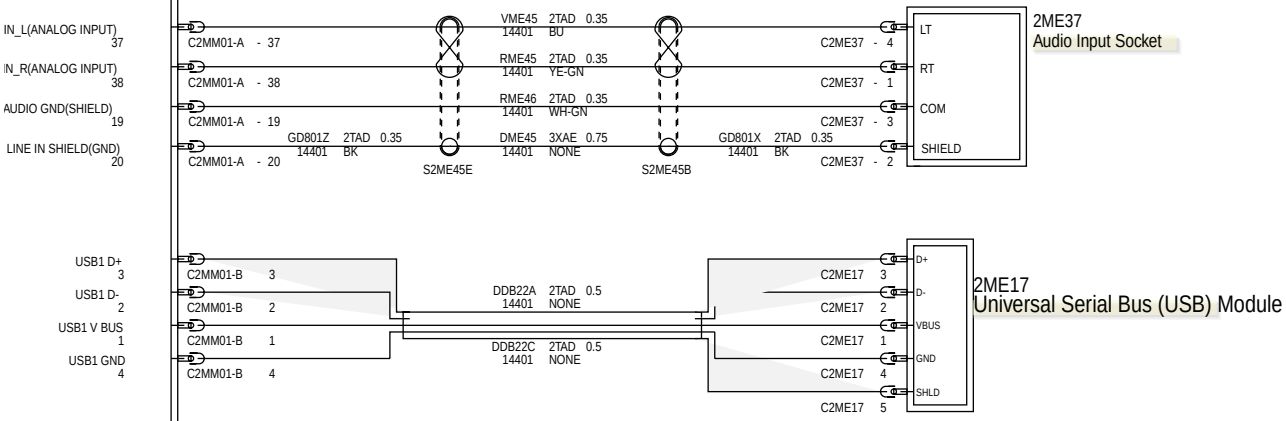
415-01-19 Audio System—Single Cab, LHD 4WD/LHD RWD, Vehicles Without: Bluetooth and Voice Control



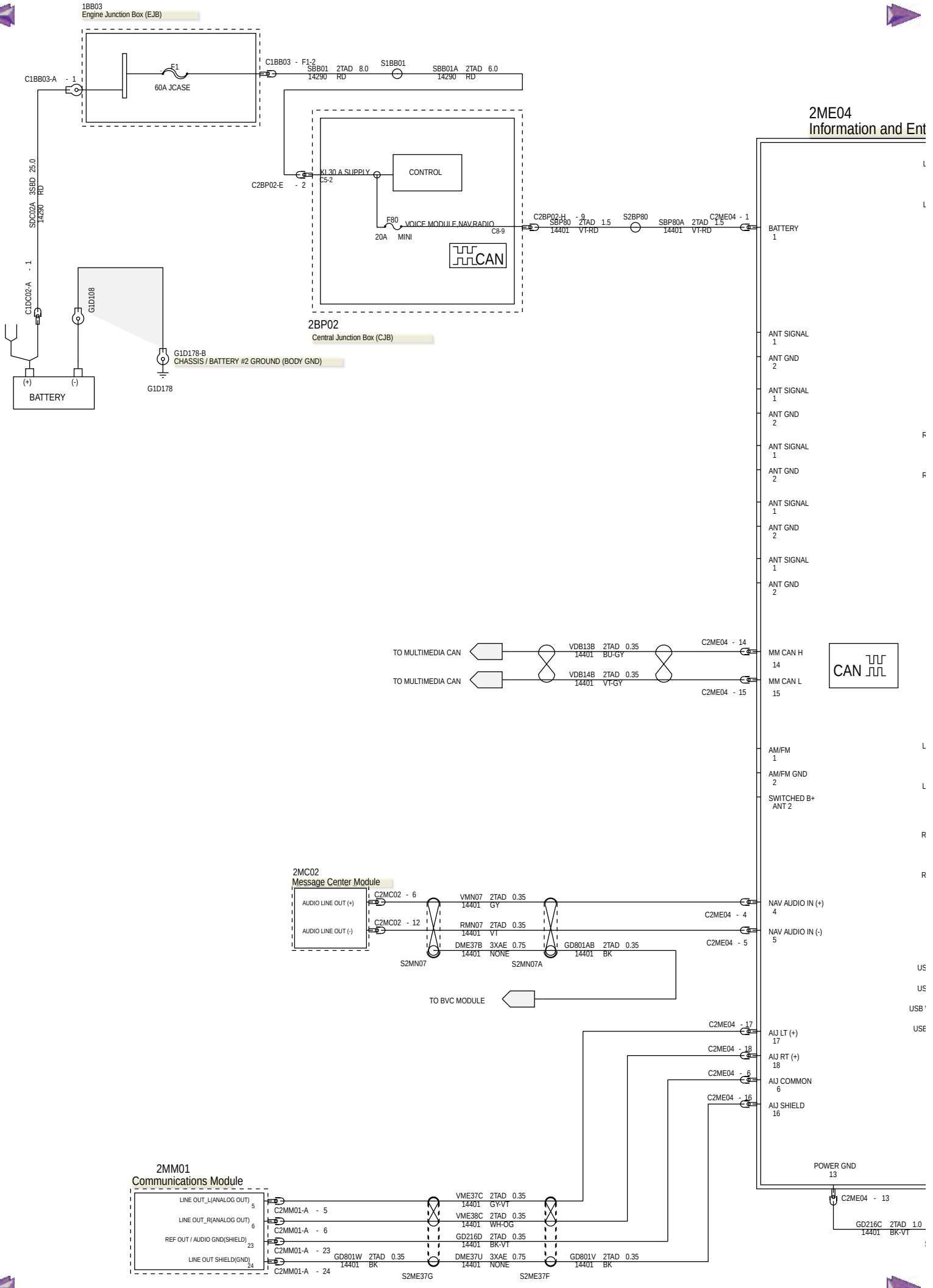

ertainment Unit
F SPEAKER (+)
22
F SPEAKER (-)
10
C2ME04 - 22
C2ME04 - 10
VME07C 2TAD 0.75
14401 WH
RME07C 2TAD 0.75
14401 WH-BN
C25 - 16
C25 - 17
VME07A 2TCD 0.75
14A584 WH
RME07A 2TCD 0.75
14A584 WH-BN
C5ME07 - 4
C5ME07
Front Door Speaker LH
F SPEAKER (+)
23
F SPEAKER (-)
11
C2ME04 - 23
C2ME04 - 11
VME10C 2TAD 0.75
14401 WH-VT
RME10C 2TAD 0.75
14401 WH-OG
C26 - 16
C26 - 17
VME10A 2TCD 0.75
14K138 WH-VT
RME10A 2TCD 0.75
14K138 WH-OG
C6ME10 - 4
C6ME10 - 1
Front Door Speaker RH
AM/FM
1
AM/FM GND
2
C2ME04-J 1
C2ME04-J 2
DME43 2TAD 0.5
14401 NONE
C29-A 1
ANTENNA
R SPEAKER (+)
21
R SPEAKER (-)
9
R SPEAKER (+)
24
R SPEAKER (-)
12
B D+ (USB-3)
B D- (USB-2)
VBUS (USB-1)
GND (USB-5)
AM/FM
1
AM/FM GND
2
S2D216A
GD216A 2TAD 2.5
14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

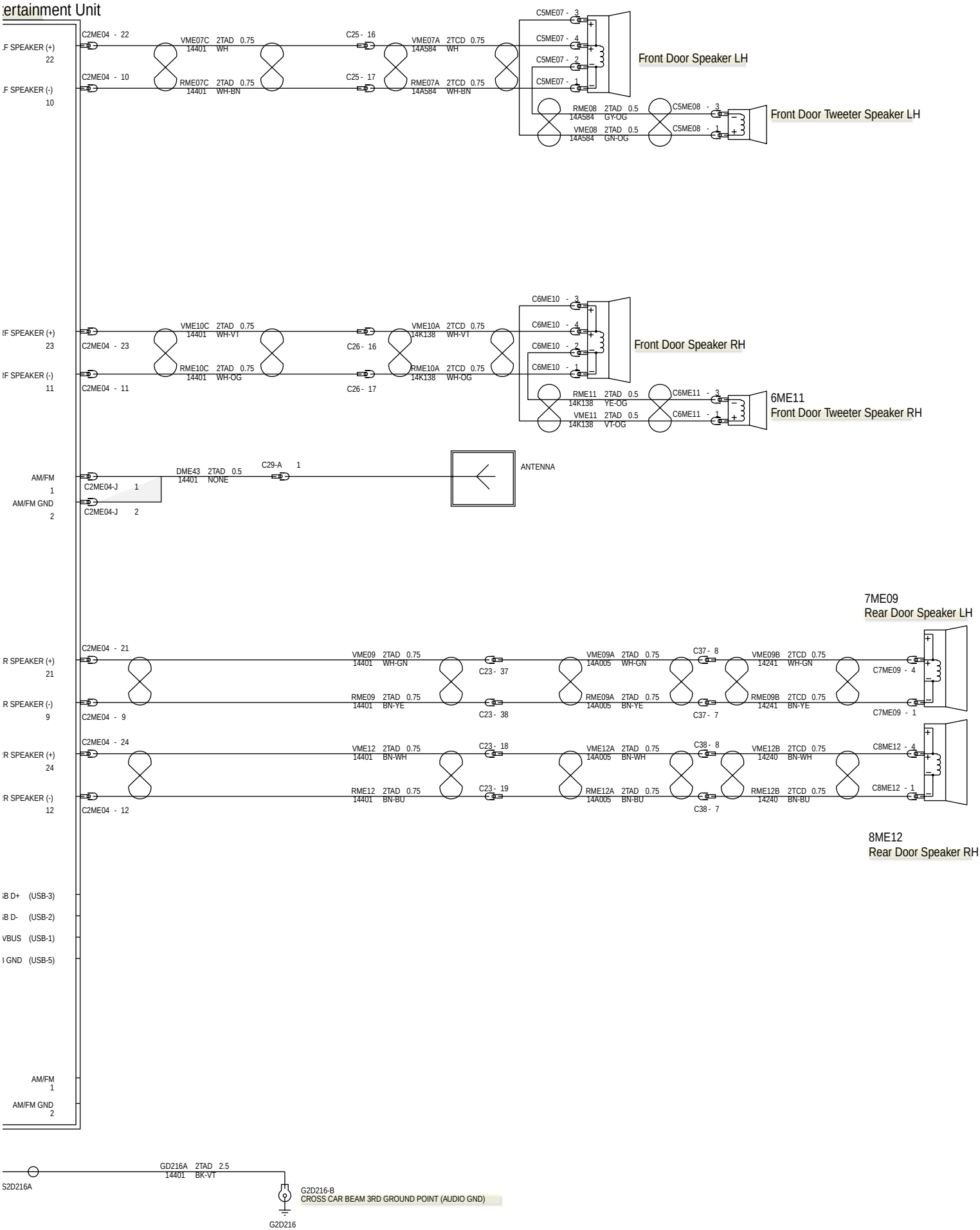

1BB03
Engine Junction Box (EJB)
F1
60A JCASE
C1BB03-A - 1
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
SBB01A 2TAD 6.0
14290 RD
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
S2BP80
SBP80C 2TAD 0.75
14401 VT-RD
SBP80D 2TAD 0.75
14401 VT-RD
C2MM01-A - 17
C2MM01-A - 18
SBP80 2TAD 1.5
14401 VT-RD
C2BP02-E - 2
KL30 A SUPPLY
C5-2
CONTROL
F80
20A MINI
VOICE MODULE NAV.RADIO
C8-9
C2BP02-H - 9
CAN
2BP02
Central Junction Box (CJB)
2MM01
Communications Mod
VBATT SUPPLY
17
VBATT SUPPLY
18
LINE
LINE
REF IN /
CAN
TO MULTIMEDIA CAN
VDB13C 2TAD 0.35
14401 BU-GY
TO MULTIMEDIA CAN
VDB14C 2TAD 0.35
14401 VT-GY
C2MM01-A - 14
C2MM01-A - 15
MM_CAN_+
14
MM_CAN_-
15
C9MM13 - 1
VMM12A 2TAD 0.35
14334 WH-BN
C29 - 2
VMM12 2TAD 0.35
14401 WH-BN
C2MM01-A - 3
C9MM13 - 2
RMM12A 2TAD 0.35
14334 VT-BN
C29 - 3
RMM12 2TAD 0.35
14401 VT-BN
C2MM01-A - 4
MIC IN (+)
3
MIC IN (-)
4
9MM13
Cellular Phone Microphone
C2MM01-A -
LINE OUT_L(ANALOG OUT)
5
C2MM01-A -
LINE OUT_R(ANALOG OUT)
6
C2MM01-A -
REF OUT / AUDIO GND(SHIELD)
23
C2MM01-A -
LINE OUT SHIELD(GND)
24
GD216G 2TAD 0.5
14401 BK-VT
C2MM01-A - 33
GROUND
33
S2D216A
GD216H 2TAD 0.5
14401 BK-VT
C2MM01-A - 34
GROUND
34
GD216A 2TAD 2.5
14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

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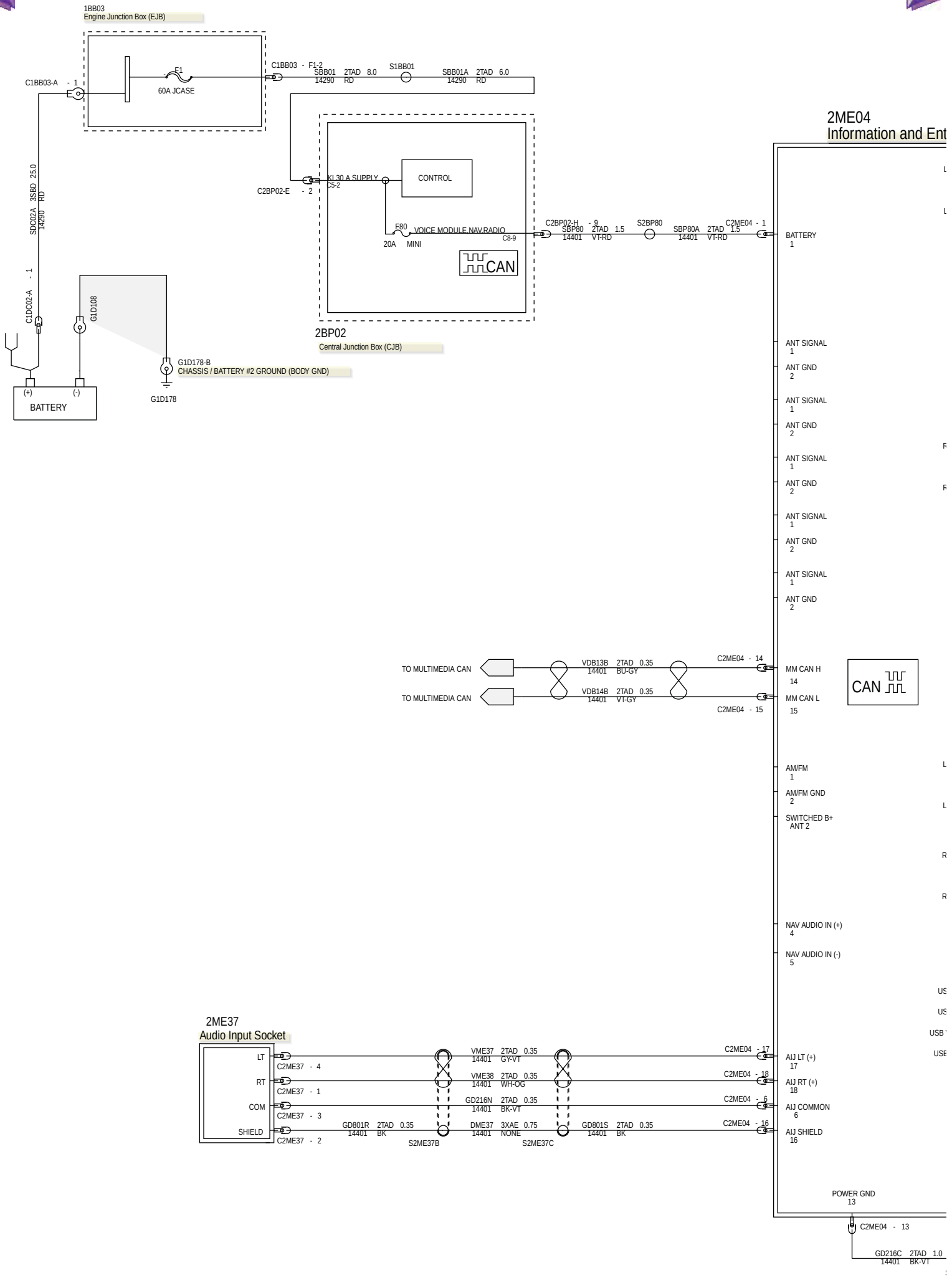

IN_L(ANALOG INPUT)
37
C2MM01-A - 37
VME45 2TAD 0.35
14401 BU
C2ME37 - 4
LT
IN_R(ANALOG INPUT)
38
C2MM01-A - 38
RME45 2TAD 0.35
14401 YE-GN
C2ME37 - 1
RT
AUDIO GND(SHIELD)
19
C2MM01-A - 19
RME46 2TAD 0.35
14401 WH-GN
C2ME37 - 3
COM
LINE IN SHIELD(GND)
20
C2MM01-A - 20
GD801Z 2TAD 0.35
14401 BK
DME45 3XAE 0.75
14401 NONE
GD801X 2TAD 0.35
14401 BK
C2ME37 - 2
SHIELD
S2ME45E
S2ME45B
2ME37
Audio Input Socket

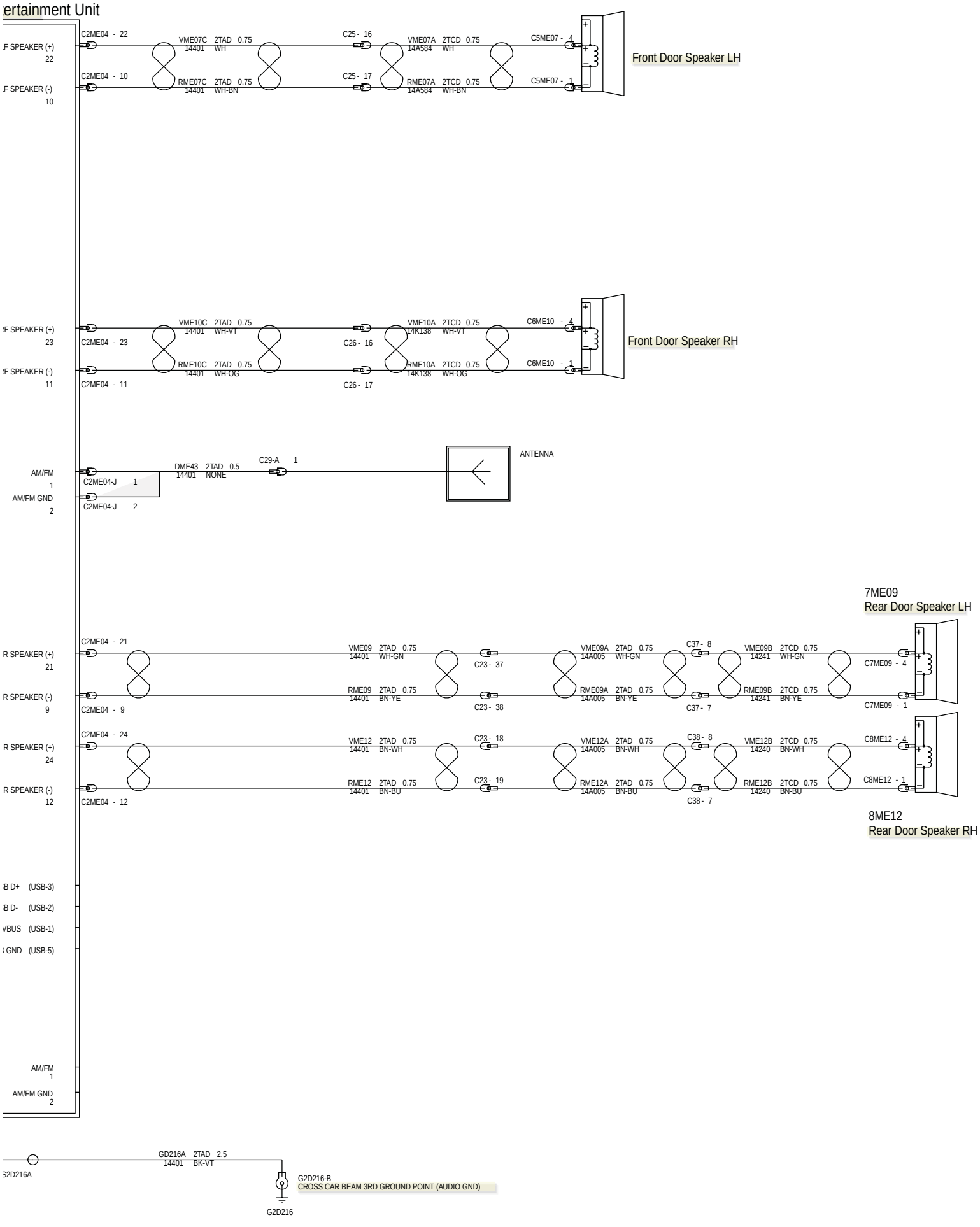
USB1 D+
3
C2MM01-B 3
USB1 D-
2
C2MM01-B 2
USB1 V BUS
1
C2MM01-B 1
USB1 GND
4
C2MM01-B 4
DDB22A 2TAD 0.5
14401 NONE
DDB22C 2TAD 0.5
14401 NONE
C2ME17 3
C2ME17 2
C2ME17 1
C2ME17 4
C2ME17 5
D+
D-
VBUS
GND
SHLD
2ME17
Universal Serial Bus (USB) Module

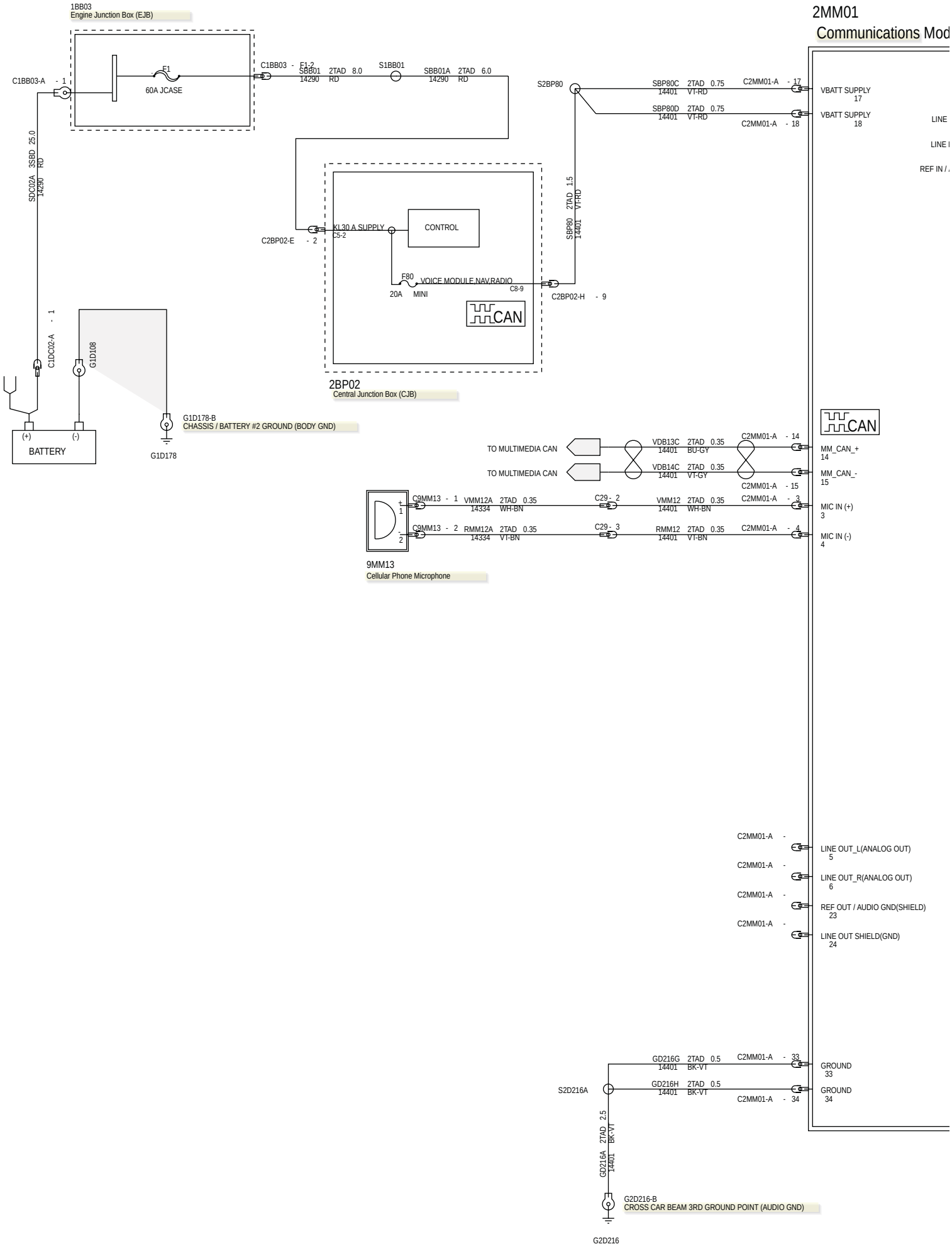

1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
F1
60A JCASE
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
SBB01A 2TAD 6.0
14290 RD
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
C2BP02-E - 2
KL30 A SUPPLY
C5-2
CONTROL
F80
20A MINI
VOICE MODULE,NAV,RADIO
C8-9
CAN
2BP02
Central Junction Box (CJB)
C2BP02-H - 9
SBP80 2TAD 1.5
14401 VT-RD
S2BP80
SBP80A 2TAD 1.5
14401 VT-RD
C2ME04 - 1
2ME04
Information and Ent
BATTERY
1
ANT SIGNAL
1
ANT GND
2
ANT SIGNAL
1
ANT GND
2
ANT SIGNAL
1
ANT GND
2
ANT SIGNAL
1
ANT GND
2
ANT SIGNAL
1
ANT GND
2
TO MULTIMEDIA CAN
VDB13B 2TAD 0.35
14401 BU-GY
C2ME04 - 14
MM CAN H
14
TO MULTIMEDIA CAN
VDB14B 2TAD 0.35
14401 VT-GY
C2ME04 - 15
MM CAN L
15
CAN
AM/FM
1
AM/FM GND
2
SWITCHED B+
ANT 2
2MC02
Message Center Module
AUDIO LINE OUT (+)
AUDIO LINE OUT (-)
C2MC02 - 6
C2MC02 - 12
VMN07 2TAD 0.35
14401 GY
RMN07 2TAD 0.35
14401 VT
DME37B 3XAE 0.75
14401 NONE
S2MN07
S2MN07A
GD801AB 2TAD 0.35
14401 BK
C2ME04 - 4
C2ME04 - 5
NAV AUDIO IN (+)
4
NAV AUDIO IN (-)
5
TO BVC MODULE
C2ME04 - 17
C2ME04 - 18
C2ME04 - 6
C2ME04 - 16
AIJ LT (+)
17
AIJ RT (+)
18
AIJ COMMON
6
AIJ SHIELD
16
2MM01
Communications Module
LINE OUT_L(ANALOG OUT)
5
LINE OUT_R(ANALOG OUT)
6
REF OUT / AUDIO GND(SHIELD)
23
LINE OUT SHIELD(GND)
24
C2MM01-A - 5
C2MM01-A - 6
C2MM01-A - 23
C2MM01-A - 24
GD801W 2TAD 0.35
14401 BK
VME37C 2TAD 0.35
14401 GY-VT
VME38C 2TAD 0.35
14401 WH-OG
GD216D 2TAD 0.35
14401 BK-VT
DME37U 3XAE 0.75
14401 NONE
S2ME37G
S2ME37F
GD801V 2TAD 0.35
14401 BK
POWER GND
13
C2ME04 - 13
GD216C 2TAD 1.0
14401 BK-VT


ertainment Unit
F SPEAKER (+) 22
F SPEAKER (-) 10
C2ME04 - 22
C2ME04 - 10
VME07C 2TAD 0.75 14401 WH
RME07C 2TAD 0.75 14401 WH-BN
C25 - 16
C25 - 17
VME07A 2TCD 0.75 14A584 WH
RME07A 2TCD 0.75 14A584 WH-BN
C5ME07 - 3
C5ME07 - 4
C5ME07 - 2
C5ME07 - 1
Front Door Speaker LH
RME08 2TAD 0.5 14A584 GY-OG
VME08 2TAD 0.5 14A584 GN-OG
C5ME08 - 3
C5ME08 - 1
Front Door Tweeter Speaker LH
F SPEAKER (+) 23
F SPEAKER (-) 11
C2ME04 - 23
C2ME04 - 11
VME10C 2TAD 0.75 14401 WH-VT
RME10C 2TAD 0.75 14401 WH-OG
C26 - 16
C26 - 17
VME10A 2TCD 0.75 14K138 WH-VT
RME10A 2TCD 0.75 14K138 WH-OG
C6ME10 - 3
C6ME10 - 4
C6ME10 - 2
C6ME10 - 1
Front Door Speaker RH
RME11 2TAD 0.5 14K138 YE-OG
VME11 2TAD 0.5 14K138 VT-OG
C6ME11 - 3
C6ME11 - 1
6ME11
Front Door Tweeter Speaker RH
AM/FM 1
AM/FM GND 2
C2ME04-J 1
C2ME04-J 2
DME43 2TAD 0.5 14401 NONE
C29-A 1
ANTENNA
7ME09
Rear Door Speaker LH
R SPEAKER (+) 21
R SPEAKER (-) 9
C2ME04 - 21
C2ME04 - 9
VME09 2TAD 0.75 14401 WH-GN
RME09 2TAD 0.75 14401 BN-YE
C23 - 37
C23 - 38
VME09A 2TAD 0.75 14A005 WH-GN
RME09A 2TAD 0.75 14A005 BN-YE
C37 - 8
C37 - 7
VME09B 2TCD 0.75 14241 WH-GN
RME09B 2TCD 0.75 14241 BN-YE
C7ME09 - 4
C7ME09 - 1
R SPEAKER (+) 24
R SPEAKER (-) 12
C2ME04 - 24
C2ME04 - 12
VME12 2TAD 0.75 14401 BN-WH
RME12 2TAD 0.75 14401 BN-BU
C23 - 18
C23 - 19
VME12A 2TAD 0.75 14A005 BN-WH
RME12A 2TAD 0.75 14A005 BN-BU
C38 - 8
C38 - 7
VME12B 2TCD 0.75 14240 BN-WH
RME12B 2TCD 0.75 14240 BN-BU
C8ME12 - 4
C8ME12 - 1
8ME12
Rear Door Speaker RH
iB D+ (USB-3)
iB D- (USB-2)
VBUS (USB-1)
GND (USB-5)
AM/FM 1
AM/FM GND 2
S2D216A
GD216A 2TAD 2.5 14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

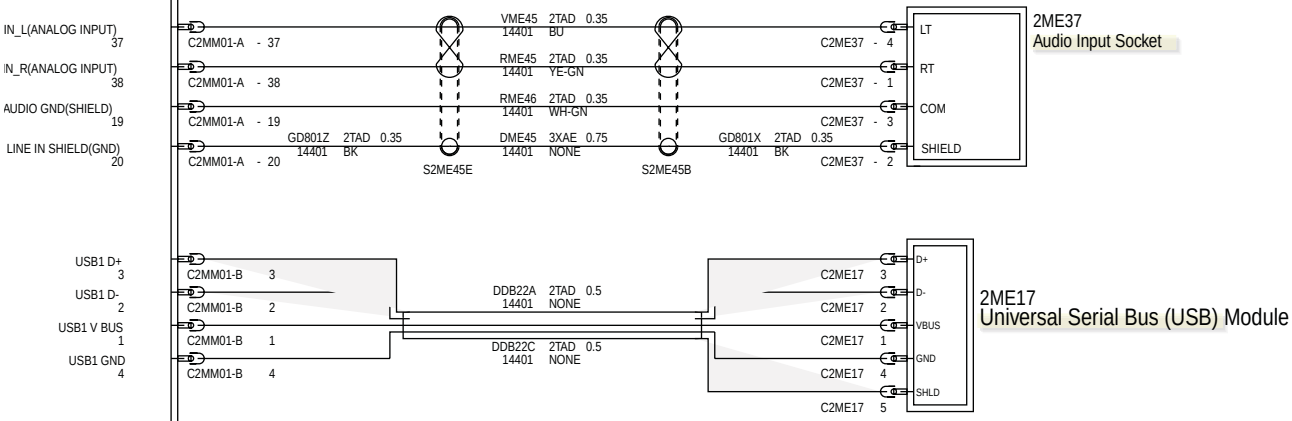
415-01-25 Audio System—Double Cab, LHD 4WD/LHD RWD, Vehicles Without: Bluetooth and Voice Control



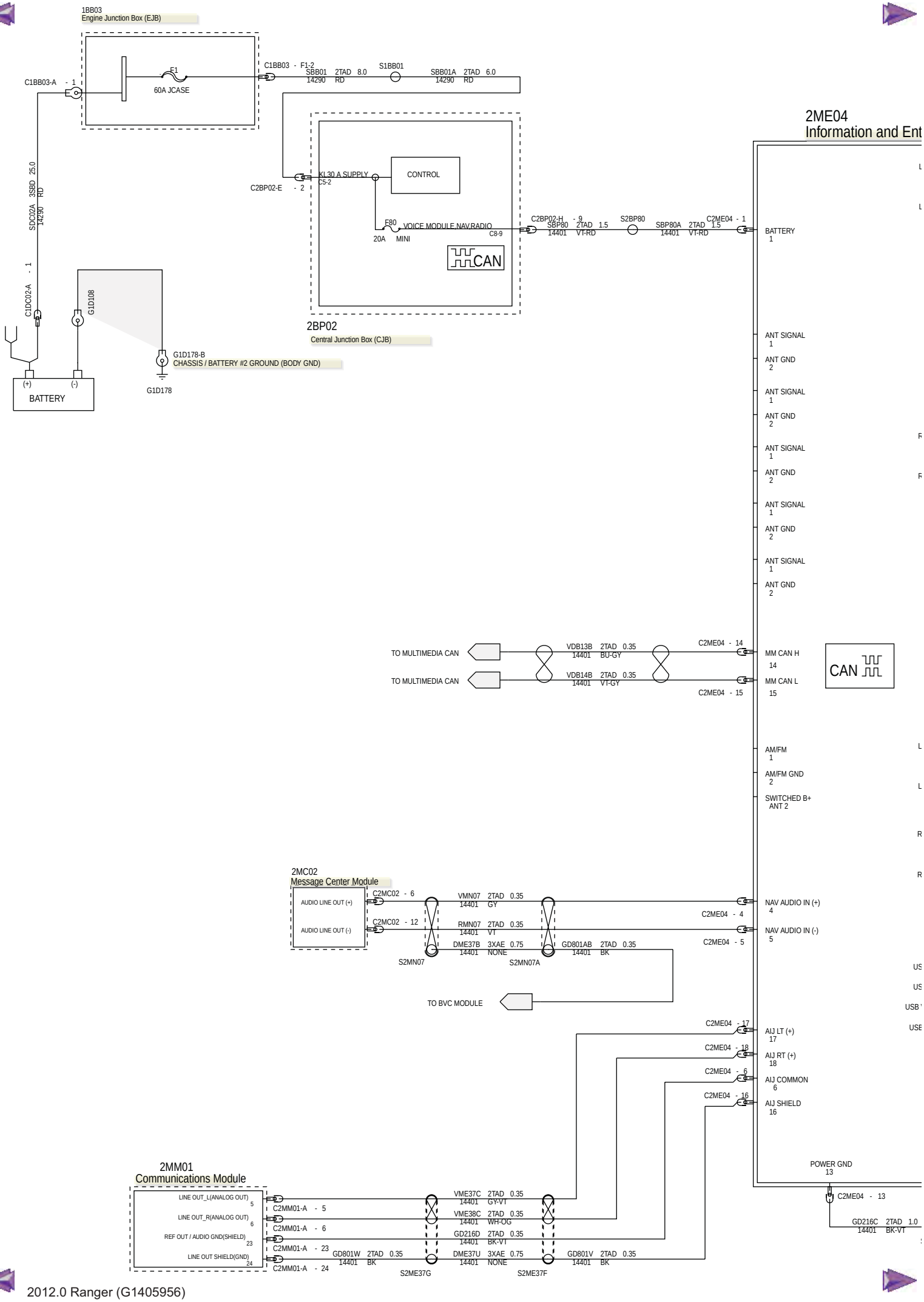

ertainment Unit
F SPEAKER (+)
22
F SPEAKER (-)
10
C2ME04 - 22
C2ME04 - 10
VME07C 2TAD 0.75
14401 WH
RME07C 2TAD 0.75
14401 WH-BN
C25 - 16
C25 - 17
VME07A 2TCD 0.75
14A584 WH
RME07A 2TCD 0.75
14A584 WH-BN
C5ME07 - 4
C5ME07 - 1
Front Door Speaker LH
F SPEAKER (+)
23
F SPEAKER (-)
11
C2ME04 - 23
C2ME04 - 11
VME10C 2TAD 0.75
14401 WH-VT
RME10C 2TAD 0.75
14401 WH-OG
C26 - 16
C26 - 17
VME10A 2TCD 0.75
14K138 WH-VT
RME10A 2TCD 0.75
14K138 WH-OG
C6ME10 - 4
C6ME10 - 1
Front Door Speaker RH
AM/FM
1
AM/FM GND
2
C2ME04-J 1
C2ME04-J 2
DME43 2TAD 0.5
14401 NONE
C29-A 1
ANTENNA
7ME09
Rear Door Speaker LH
R SPEAKER (+)
21
R SPEAKER (-)
9
C2ME04 - 21
C2ME04 - 9
VME09 2TAD 0.75
14401 WH-GN
RME09 2TAD 0.75
14401 BN-YE
C23 - 37
C23 - 38
VME09A 2TAD 0.75
14A005 WH-GN
RME09A 2TAD 0.75
14A005 BN-YE
C37 - 8
C37 - 7
VME09B 2TCD 0.75
14241 WH-GN
RME09B 2TCD 0.75
14241 BN-YE
C7ME09 - 4
C7ME09 - 1
R SPEAKER (+)
24
R SPEAKER (-)
12
C2ME04 - 24
C2ME04 - 12
VME12 2TAD 0.75
14401 BN-WH
RME12 2TAD 0.75
14401 BN-BU
C23 - 18
C23 - 19
VME12A 2TAD 0.75
14A005 BN-WH
RME12A 2TAD 0.75
14A005 BN-BU
C38 - 8
C38 - 7
VME12B 2TCD 0.75
14240 BN-WH
RME12B 2TCD 0.75
14240 BN-BU
C8ME12 - 4
C8ME12 - 1
8ME12
Rear Door Speaker RH
B D+ (USB-3)
B D- (USB-2)
VBUS (USB-1)
GND (USB-5)
AM/FM
1
AM/FM GND
2
S2D216A
GD216A 2TAD 2.5
14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

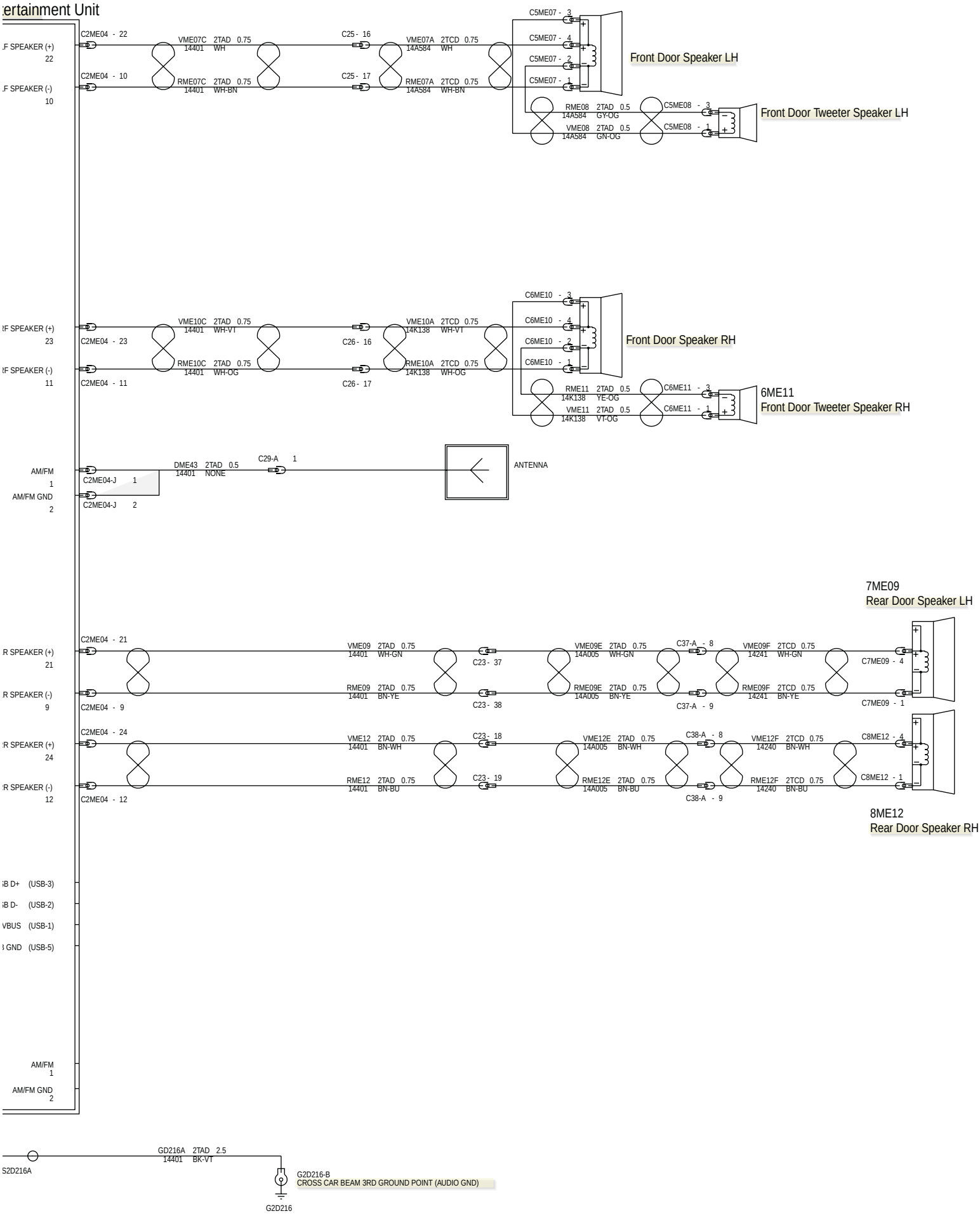

1BB03
Engine Junction Box (EJB)
F1
60A JCASE
C1BB03-A - 1
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
SBB01A 2TAD 6.0
14290 RD
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
2BP02
Central Junction Box (CJB)
C2BP02-E - 2
KL30 A SUPPLY
C5-2
CONTROL
F80
20A MINI
VOICE MODULE NAV.RADIO
C8-9
C2BP02-H - 9
SBP80 2TAD 1.5
14401 VT-RD
S2BP80
SBP80C 2TAD 0.75
14401 VT-RD
SBP80D 2TAD 0.75
14401 VT-RD
C2MM01-A - 17
C2MM01-A - 18
2MM01
Communications Mod
VBATT SUPPLY
17
VBATT SUPPLY
18
LINE
LINE
REF IN /
CAN
TO MULTIMEDIA CAN
VDB13C 2TAD 0.35
14401 BU-GY
VDB14C 2TAD 0.35
14401 VT-GY
C2MM01-A - 14
C2MM01-A - 15
MM_CAN_+
14
MM_CAN_-
15
C9MM13 - 1
VMM12A 2TAD 0.35
14334 WH-BN
C29 - 2
VMM12 2TAD 0.35
14401 WH-BN
C2MM01-A - 3
C9MM13 - 2
RMM12A 2TAD 0.35
14334 VT-BN
C29 - 3
RMM12 2TAD 0.35
14401 VT-BN
C2MM01-A - 4
MIC IN (+)
3
MIC IN (-)
4
9MM13
Cellular Phone Microphone
C2MM01-A -
LINE OUT_L(ANALOG OUT)
5
C2MM01-A -
LINE OUT_R(ANALOG OUT)
6
C2MM01-A -
REF OUT / AUDIO GND(SHIELD)
23
C2MM01-A -
LINE OUT SHIELD(GND)
24
GD216G 2TAD 0.5
14401 BK-VT
GD216H 2TAD 0.5
14401 BK-VT
C2MM01-A - 33
C2MM01-A - 34
GROUND
33
GROUND
34
S2D216A
GD216A 2TAD 2.5
14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

lule


IN_L(ANALOG INPUT)
37
C2MM01-A - 37
VME45 2TAD 0.35
14401 BU
C2ME37 - 4
LT
IN_R(ANALOG INPUT)
38
C2MM01-A - 38
RME45 2TAD 0.35
14401 YE-GN
C2ME37 - 1
RT
AUDIO GND(SHIELD)
19
C2MM01-A - 19
RME46 2TAD 0.35
14401 WH-GN
C2ME37 - 3
COM
LINE IN SHIELD(GND)
20
C2MM01-A - 20
GD801Z 2TAD 0.35
14401 BK
DME45 3XAE 0.75
14401 NONE
GD801X 2TAD 0.35
14401 BK
C2ME37 - 2
SHIELD
S2ME45E
S2ME45B
2ME37
Audio Input Socket

USB1 D+
3
C2MM01-B 3
USB1 D-
2
C2MM01-B 2
USB1 V BUS
1
C2MM01-B 1
USB1 GND
4
C2MM01-B 4
DDB22A 2TAD 0.5
14401 NONE
DDB22C 2TAD 0.5
14401 NONE
C2ME17 3
C2ME17 2
C2ME17 1
C2ME17 4
C2ME17 5
D+
D-
VBUS
GND
SHLD
2ME17
Universal Serial Bus (USB) Module

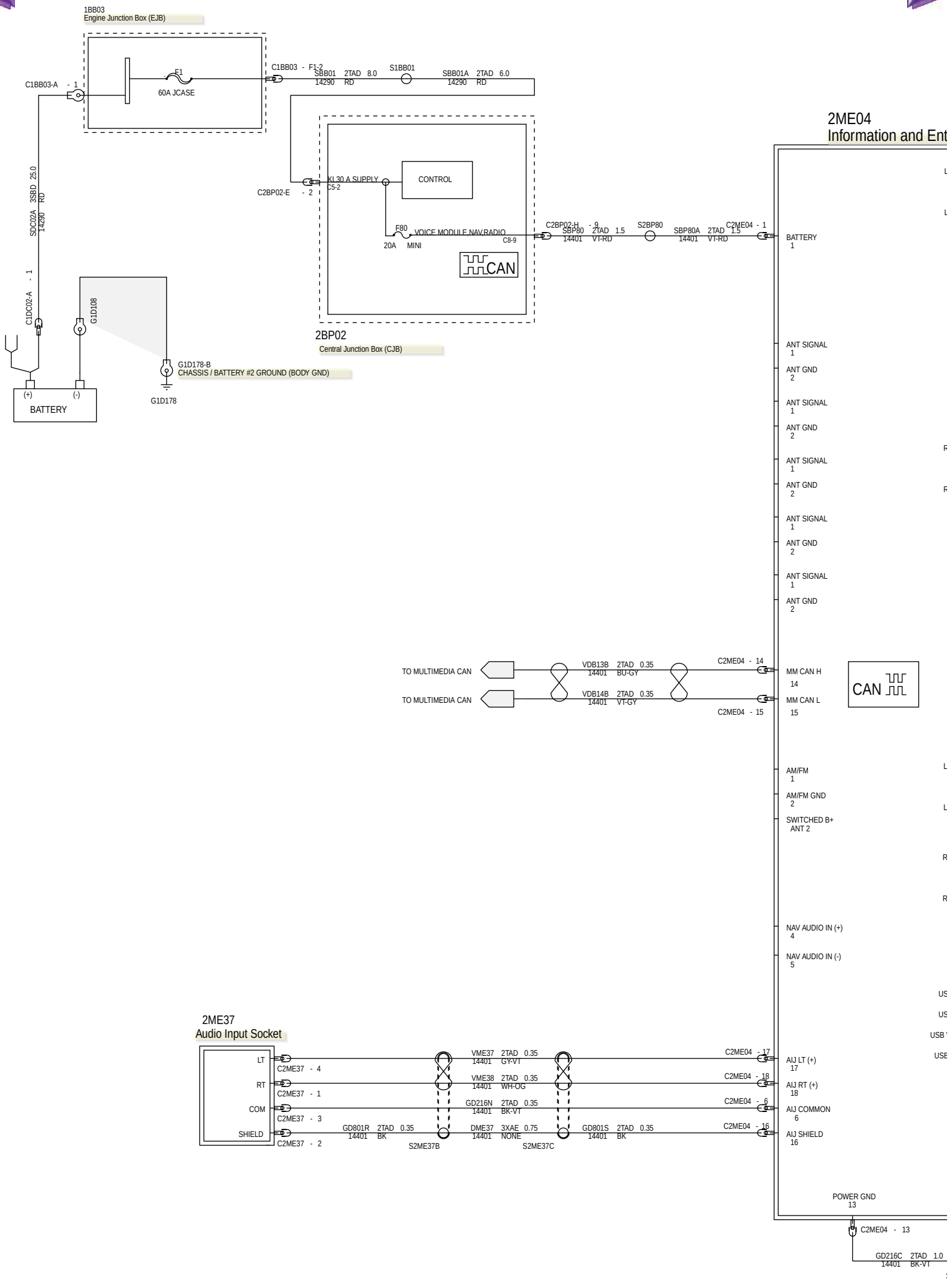

1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
F1
60A JCASE
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
SBB01A 2TAD 6.0
14290 RD
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
C2BP02-E - 2
KL30 A SUPPLY
C5-2
CONTROL
F80
20A MINI
VOICE MODULE NAV.RADIO
C8-9
CAN
2BP02
Central Junction Box (CJB)
C2BP02-H - 9
SBP80 2TAD 1.5
14401 VT-RD
S2BP80
SBP80A 2TAD 1.5
14401 VT-RD
C2ME04 - 1
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
(+)
(-)
BATTERY
2ME04
Information and Ent
BATTERY 1
ANT SIGNAL 1
ANT GND 2
ANT SIGNAL 1
ANT GND 2
ANT SIGNAL 1
ANT GND 2
ANT SIGNAL 1
ANT GND 2
ANT SIGNAL 1
ANT GND 2
TO MULTIMEDIA CAN
VDB13B 2TAD 0.35
14401 BU-GY
C2ME04 - 14
MM CAN H 14
TO MULTIMEDIA CAN
VDB14B 2TAD 0.35
14401 VT-GY
C2ME04 - 15
MM CAN L 15
CAN
AM/FM 1
AM/FM GND 2
SWITCHED B+ ANT 2
2MC02
Message Center Module
AUDIO LINE OUT (+)
AUDIO LINE OUT (-)
C2MC02 - 6
C2MC02 - 12
VMN07 2TAD 0.35
14401 GY
RMN07 2TAD 0.35
14401 VT
DME37B 3XAE 0.75
14401 NONE
S2MN07
S2MN07A
GD801AB 2TAD 0.35
14401 BK
C2ME04 - 4
C2ME04 - 5
NAV AUDIO IN (+) 4
NAV AUDIO IN (-) 5
TO BVC MODULE
C2ME04 - 17
C2ME04 - 18
C2ME04 - 6
C2ME04 - 16
AIJ LT (+) 17
AIJ RT (+) 18
AIJ COMMON 6
AIJ SHIELD 16
2MM01
Communications Module
LINE OUT_L(ANALOG OUT) 5
LINE OUT_R(ANALOG OUT) 6
REF OUT / AUDIO GND(SHIELD) 23
LINE OUT SHIELD(GND) 24
C2MM01-A - 5
C2MM01-A - 6
C2MM01-A - 23
C2MM01-A - 24
GD801W 2TAD 0.35
14401 BK
VME37C 2TAD 0.35
14401 GY-VT
VME38C 2TAD 0.35
14401 WH-OG
GD216D 2TAD 0.35
14401 BK-VT
DME37U 3XAE 0.75
14401 NONE
S2ME37G
S2ME37F
GD801V 2TAD 0.35
14401 BK
POWER GND 13
C2ME04 - 13
GD216C 2TAD 1.0
14401 BK-VT

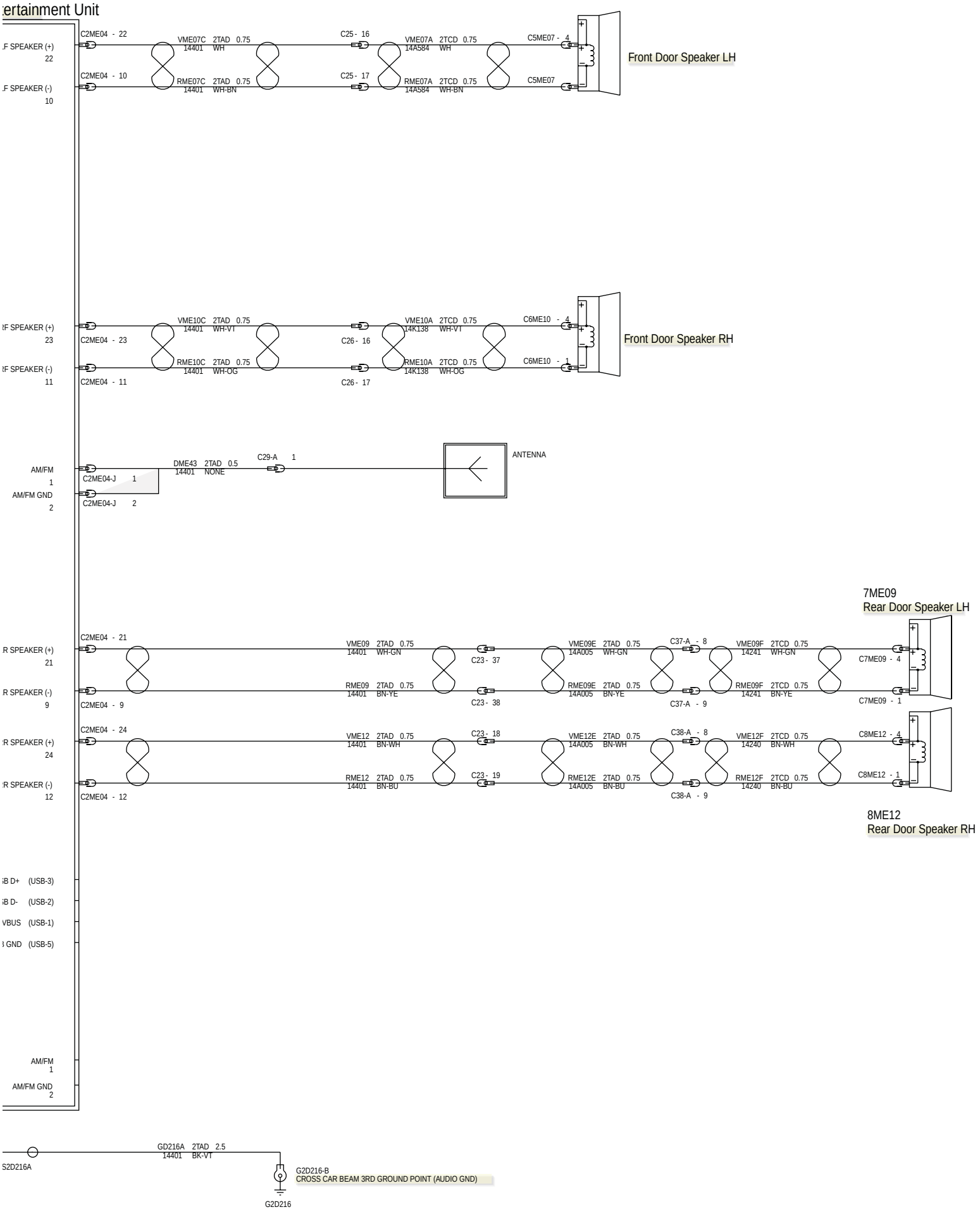

ertainment Unit
F SPEAKER (+) 22
F SPEAKER (-) 10
C2ME04 - 22
C2ME04 - 10
VME07C 2TAD 0.75 14401 WH
RME07C 2TAD 0.75 14401 WH-BN
C25 - 16
C25 - 17
VME07A 2TCD 0.75 14A584 WH
RME07A 2TCD 0.75 14A584 WH-BN
C5ME07 - 3
C5ME07 - 4
C5ME07 - 2
C5ME07 - 1
Front Door Speaker LH
RME08 2TAD 0.5 14A584 GY-OG
VME08 2TAD 0.5 14A584 GN-OG
C5ME08 - 3
C5ME08 - 1
Front Door Tweeter Speaker LH
F SPEAKER (+) 23
F SPEAKER (-) 11
C2ME04 - 23
C2ME04 - 11
VME10C 2TAD 0.75 14401 WH-VT
RME10C 2TAD 0.75 14401 WH-OG
C26 - 16
C26 - 17
VME10A 2TCD 0.75 14K138 WH-VT
RME10A 2TCD 0.75 14K138 WH-OG
C6ME10 - 3
C6ME10 - 4
C6ME10 - 2
C6ME10 - 1
Front Door Speaker RH
RME11 2TAD 0.5 14K138 YE-OG
VME11 2TAD 0.5 14K138 VT-OG
C6ME11 - 3
C6ME11 - 1
6ME11
Front Door Tweeter Speaker RH
AM/FM 1
AM/FM GND 2
C2ME04-J 1
C2ME04-J 2
DME43 2TAD 0.5 14401 NONE
C29-A 1
ANTENNA
7ME09
Rear Door Speaker LH
R SPEAKER (+) 21
R SPEAKER (-) 9
C2ME04 - 21
C2ME04 - 9
VME09 2TAD 0.75 14401 WH-GN
RME09 2TAD 0.75 14401 BN-YE
C23 - 37
C23 - 38
VME09E 2TAD 0.75 14A005 WH-GN
RME09E 2TAD 0.75 14A005 BN-YE
C37-A - 8
C37-A - 9
VME09F 2TCD 0.75 14241 WH-GN
RME09F 2TCD 0.75 14241 BN-YE
C7ME09 - 4
C7ME09 - 1
R SPEAKER (+) 24
R SPEAKER (-) 12
C2ME04 - 24
C2ME04 - 12
VME12 2TAD 0.75 14401 BN-WH
RME12 2TAD 0.75 14401 BN-BU
C23 - 18
C23 - 19
VME12E 2TAD 0.75 14A005 BN-WH
RME12E 2TAD 0.75 14A005 BN-BU
C38-A - 8
C38-A - 9
VME12F 2TCD 0.75 14240 BN-WH
RME12F 2TCD 0.75 14240 BN-BU
C8ME12 - 4
C8ME12 - 1
8ME12
Rear Door Speaker RH
B D+ (USB-3)
B D- (USB-2)
VBUS (USB-1)
GND (USB-5)
AM/FM 1
AM/FM GND 2
S2D216A
GD216A 2TAD 2.5 14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

TO BE UPDATED LATER

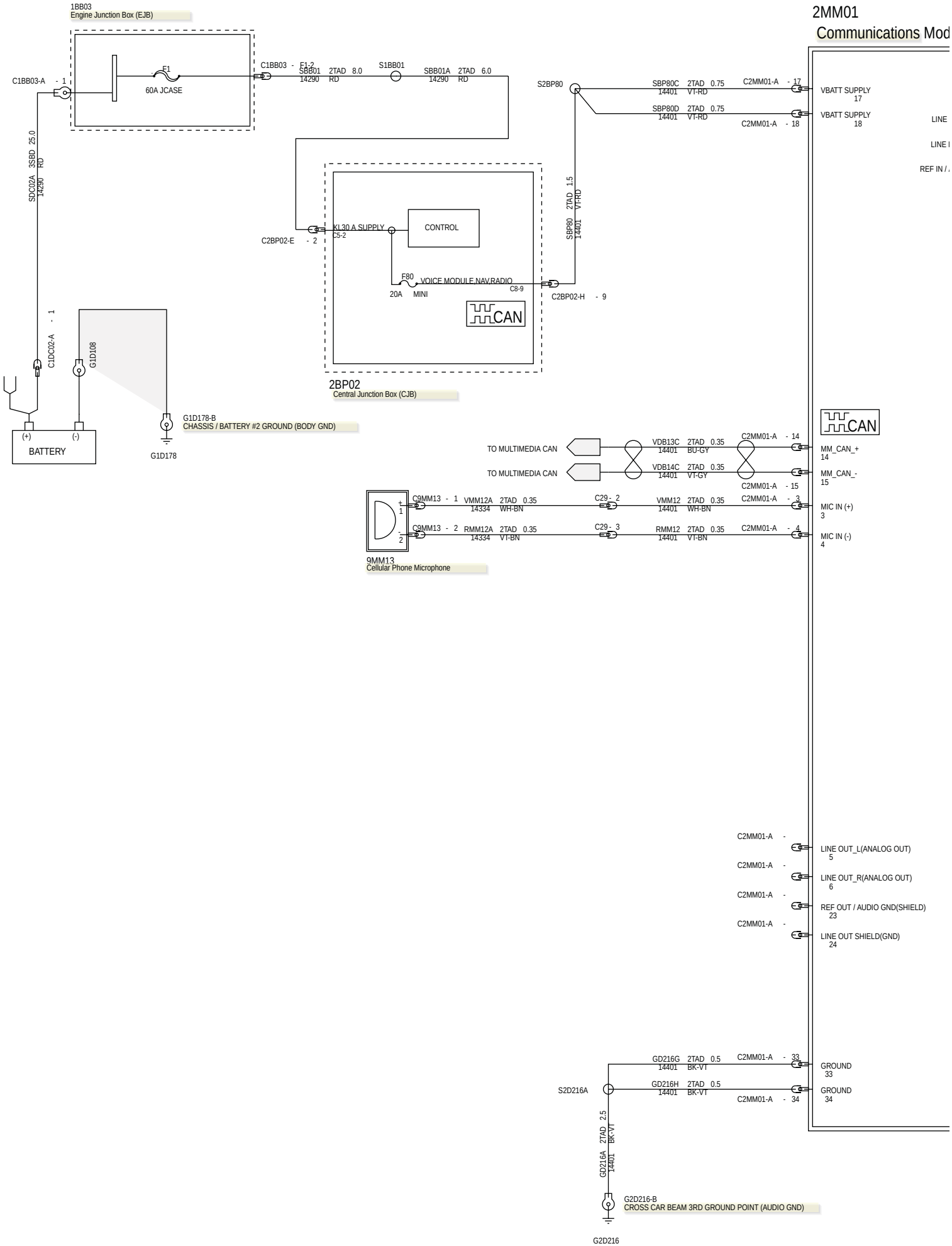
TO BE UPDATED LATER

415-01-33 Audio System—Super Cab, LHD 4WD/LHD RWD, Vehicles Without: Bluetooth and Voice Control

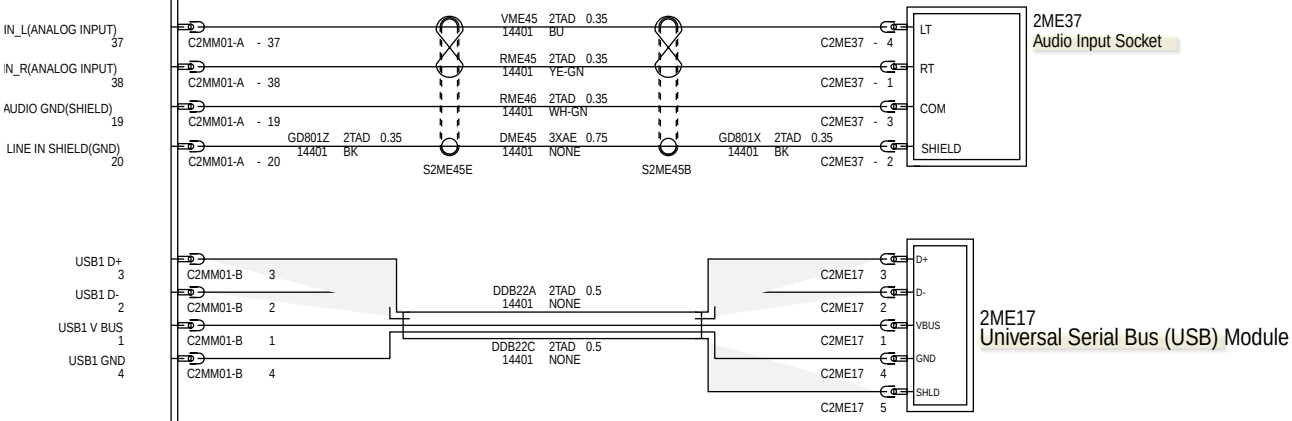



ertainment Unit
F SPEAKER (+)
22
F SPEAKER (-)
10
C2ME04 - 22
C2ME04 - 10
VME07C 2TAD 0.75
14401 WH
RME07C 2TAD 0.75
14401 WH-BN
C25 - 16
C25 - 17
VME07A 2TCD 0.75
14A584 WH
RME07A 2TCD 0.75
14A584 WH-BN
C5ME07 - 4
C5ME07
Front Door Speaker LH
F SPEAKER (+)
23
F SPEAKER (-)
11
C2ME04 - 23
C2ME04 - 11
VME10C 2TAD 0.75
14401 WH-VT
RME10C 2TAD 0.75
14401 WH-OG
C26 - 16
C26 - 17
VME10A 2TCD 0.75
14K138 WH-VT
RME10A 2TCD 0.75
14K138 WH-OG
C6ME10 - 4
C6ME10 - 1
Front Door Speaker RH
AM/FM
1
AM/FM GND
2
C2ME04-J 1
C2ME04-J 2
DME43 2TAD 0.5
14401 NONE
C29-A 1
ANTENNA
7ME09
Rear Door Speaker LH
R SPEAKER (+)
21
R SPEAKER (-)
9
C2ME04 - 21
C2ME04 - 9
VME09 2TAD 0.75
14401 WH-GN
RME09 2TAD 0.75
14401 BN-YE
C23 - 37
C23 - 38
VME09E 2TAD 0.75
14A005 WH-GN
RME09E 2TAD 0.75
14A005 BN-YE
C37-A - 8
C37-A - 9
VME09F 2TCD 0.75
14241 WH-GN
RME09F 2TCD 0.75
14241 BN-YE
C7ME09 - 4
C7ME09 - 1
R SPEAKER (+)
24
R SPEAKER (-)
12
C2ME04 - 24
C2ME04 - 12
VME12 2TAD 0.75
14401 BN-WH
RME12 2TAD 0.75
14401 BN-BU
C23 - 18
C23 - 19
VME12E 2TAD 0.75
14A005 BN-WH
RME12E 2TAD 0.75
14A005 BN-BU
C38-A - 8
C38-A - 9
VME12F 2TCD 0.75
14240 BN-WH
RME12F 2TCD 0.75
14240 BN-BU
C8ME12 - 4
C8ME12 - 1
8ME12
Rear Door Speaker RH
B D+ (USB-3)
B D- (USB-2)
VBUS (USB-1)
GND (USB-5)
AM/FM
1
AM/FM GND
2
S2D216A
GD216A 2TAD 2.5
14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

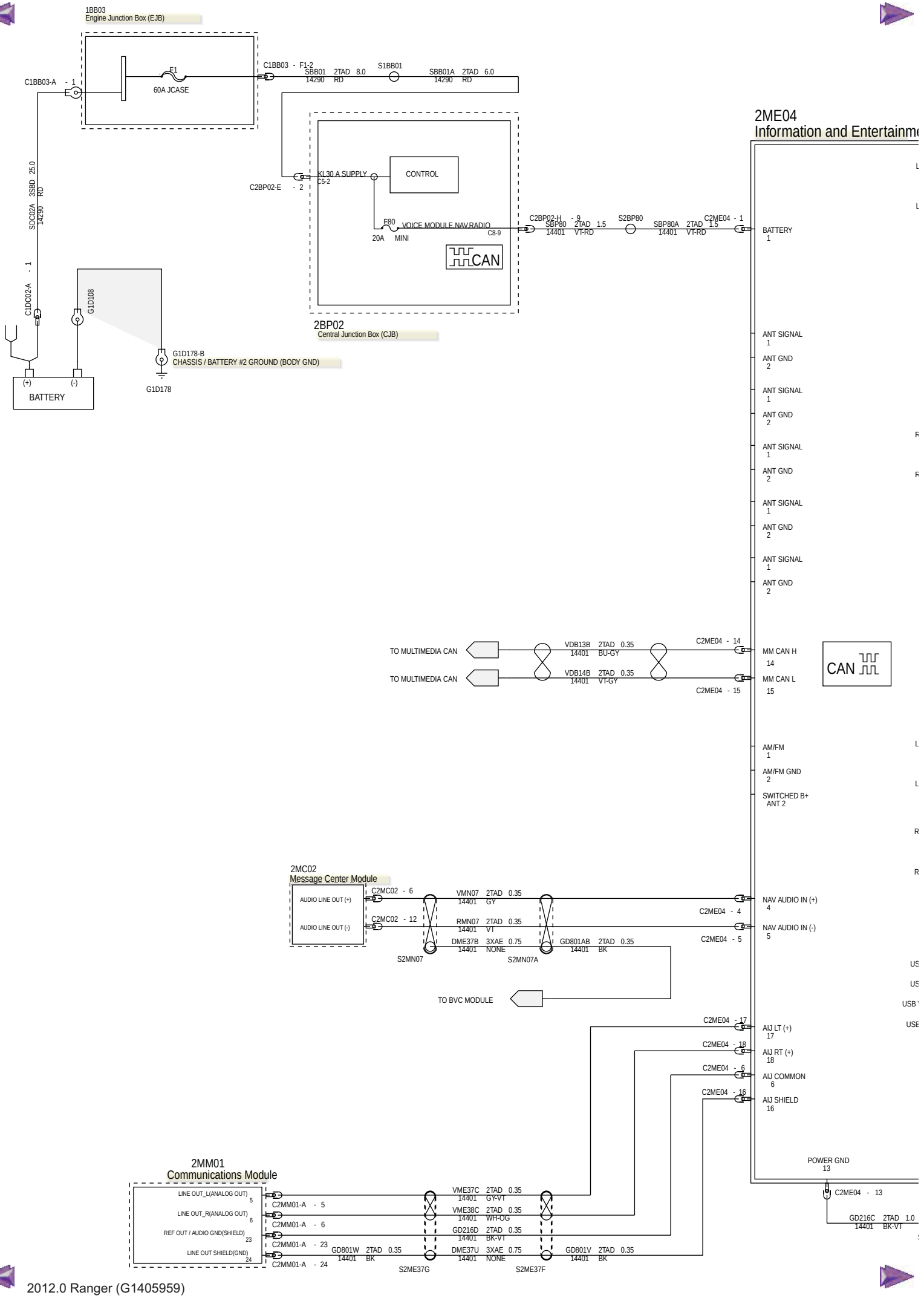
415-01-35 Audio System—Single Cab, RHD 4WD/RHD RWD, Vehicles With: Bluetooth and Voice Control



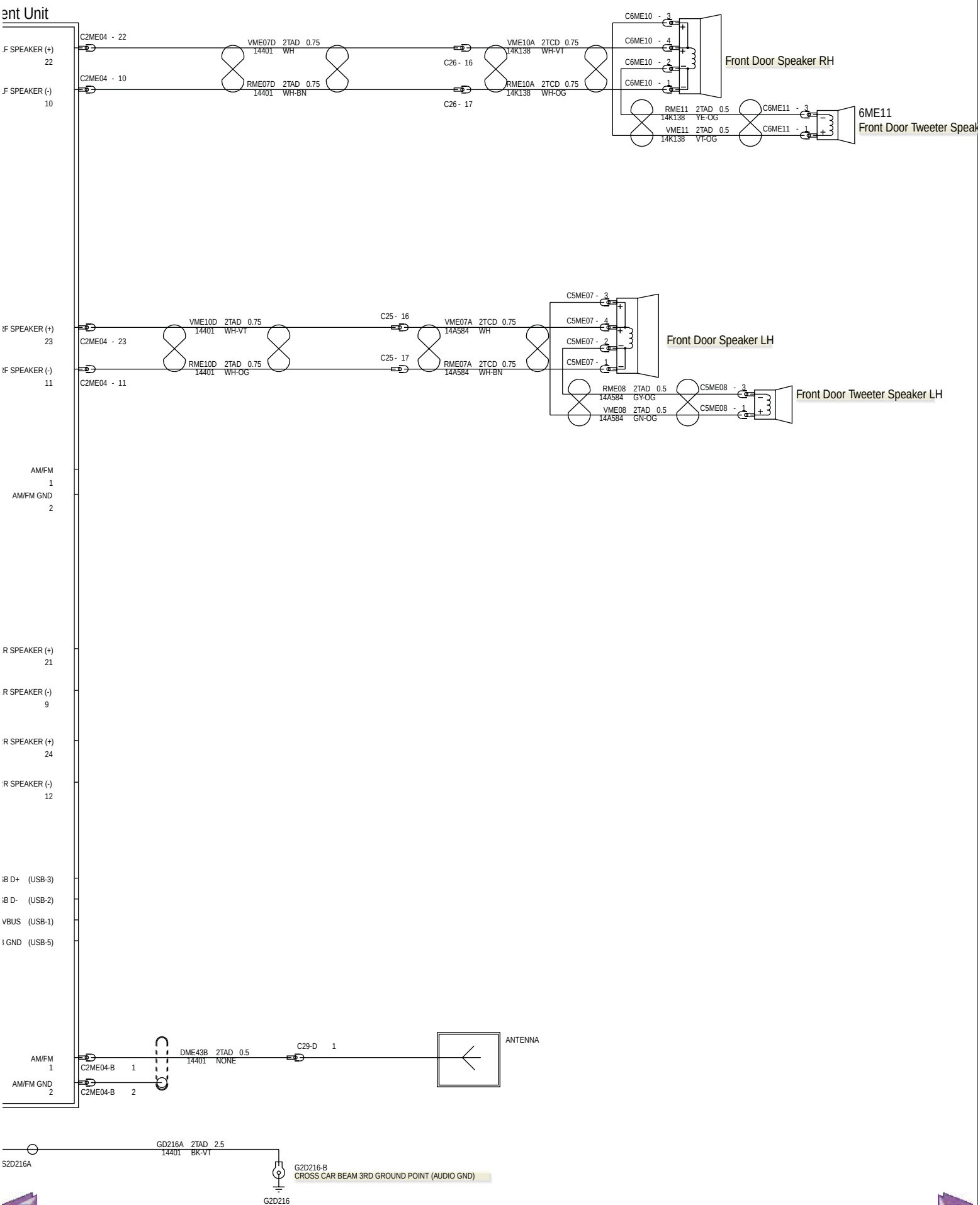
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IN_L(ANALOG INPUT)
37
C2MM01-A - 37
VME45 2TAD 0.35
14401 BU
C2ME37 - 4
LT
IN_R(ANALOG INPUT)
38
C2MM01-A - 38
RME45 2TAD 0.35
14401 YE-GN
C2ME37 - 1
RT
AUDIO GND(SHIELD)
19
C2MM01-A - 19
RME46 2TAD 0.35
14401 WH-GN
C2ME37 - 3
COM
LINE IN SHIELD(GND)
20
C2MM01-A - 20
GD801Z 2TAD 0.35
14401 BK
DME45 3XAE 0.75
14401 NONE
GD801X 2TAD 0.35
14401 BK
C2ME37 - 2
SHIELD
S2ME45E
S2ME45B
2ME37
Audio Input Socket

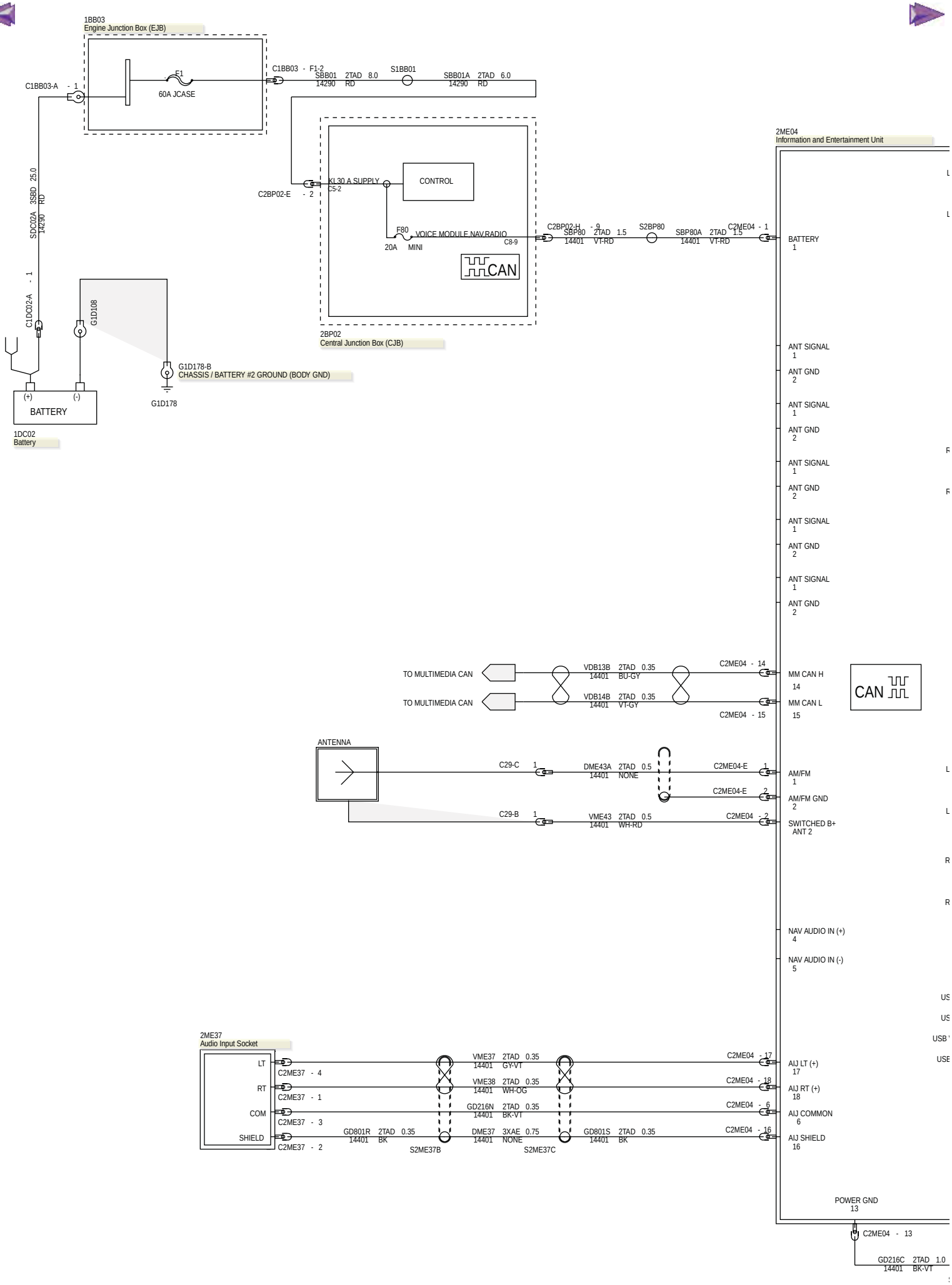
USB1 D+
3
C2MM01-B 3
USB1 D-
2
C2MM01-B 2
USB1 V BUS
1
C2MM01-B 1
USB1 GND
4
C2MM01-B 4
DDB22A 2TAD 0.5
14401 NONE
DDB22C 2TAD 0.5
14401 NONE
C2ME17 3
C2ME17 2
C2ME17 1
C2ME17 4
C2ME17 5
D+
D-
VBUS
GND
SHLD
2ME17
Universal Serial Bus (USB) Module


1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
F1
60A JCASE
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
SBB01A 2TAD 6.0
14290 RD
2ME04
Information and Entertainme
CONTROL
KL30 A SUPPLY
C5-2
C2BP02-E - 2
F80
20A MINI
VOICE MODULE NAV RADIO
C8-9
CAN
C2BP02-H - 9
SBP80 2TAD 1.5
14401 VT-RD
S2BP80
SBP80A 2TAD 1.5
14401 VT-RD
C2ME04 - 1
BATTERY
1
SDC02A 3SBD 25.0 RD
14290
C1DC02-A - 1
G1D108
2BP02
Central Junction Box (CJB)
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
(+)
(-)
BATTERY
ANT SIGNAL 1
ANT GND 2
ANT SIGNAL 1
ANT GND 2
ANT SIGNAL 1
ANT GND 2
ANT SIGNAL 1
ANT GND 2
ANT SIGNAL 1
ANT GND 2
TO MULTIMEDIA CAN
TO MULTIMEDIA CAN
VDB13B 2TAD 0.35
14401 BU-GY
VDB14B 2TAD 0.35
14401 VT-GY
C2ME04 - 14
C2ME04 - 15
MM CAN H
14
MM CAN L
15
CAN
AM/FM
1
AM/FM GND
2
SWITCHED B+
ANT 2
2MC02
Message Center Module
AUDIO LINE OUT (+)
AUDIO LINE OUT (-)
C2MC02 - 6
C2MC02 - 12
VMN07 2TAD 0.35
14401 GY
RMN07 2TAD 0.35
14401 VT
DME37B 3XAE 0.75
14401 NONE
S2MN07
S2MN07A
GD801AB 2TAD 0.35
14401 BK
C2ME04 - 4
C2ME04 - 5
NAV AUDIO IN (+)
4
NAV AUDIO IN (-)
5
TO BVC MODULE
C2ME04 - 17
C2ME04 - 18
C2ME04 - 6
C2ME04 - 16
AIJ LT (+)
17
AIJ RT (+)
18
AIJ COMMON
6
AIJ SHIELD
16
2MM01
Communications Module
LINE OUT_L(ANALOG OUT)
5
LINE OUT_R(ANALOG OUT)
6
REF OUT / AUDIO GND(SHIELD)
23
LINE OUT SHIELD(GND)
24
C2MM01-A - 5
C2MM01-A - 6
C2MM01-A - 23
C2MM01-A - 24
GD801W 2TAD 0.35
14401 BK
S2ME37G
VME37C 2TAD 0.35
14401 GY-VT
VME38C 2TAD 0.35
14401 WH-OG
GD216D 2TAD 0.35
14401 BK-VT
DME37U 3XAE 0.75
14401 NONE
S2ME37F
GD801V 2TAD 0.35
14401 BK
POWER GND
13
C2ME04 - 13
GD216C 2TAD 1.0
14401 BK-VT

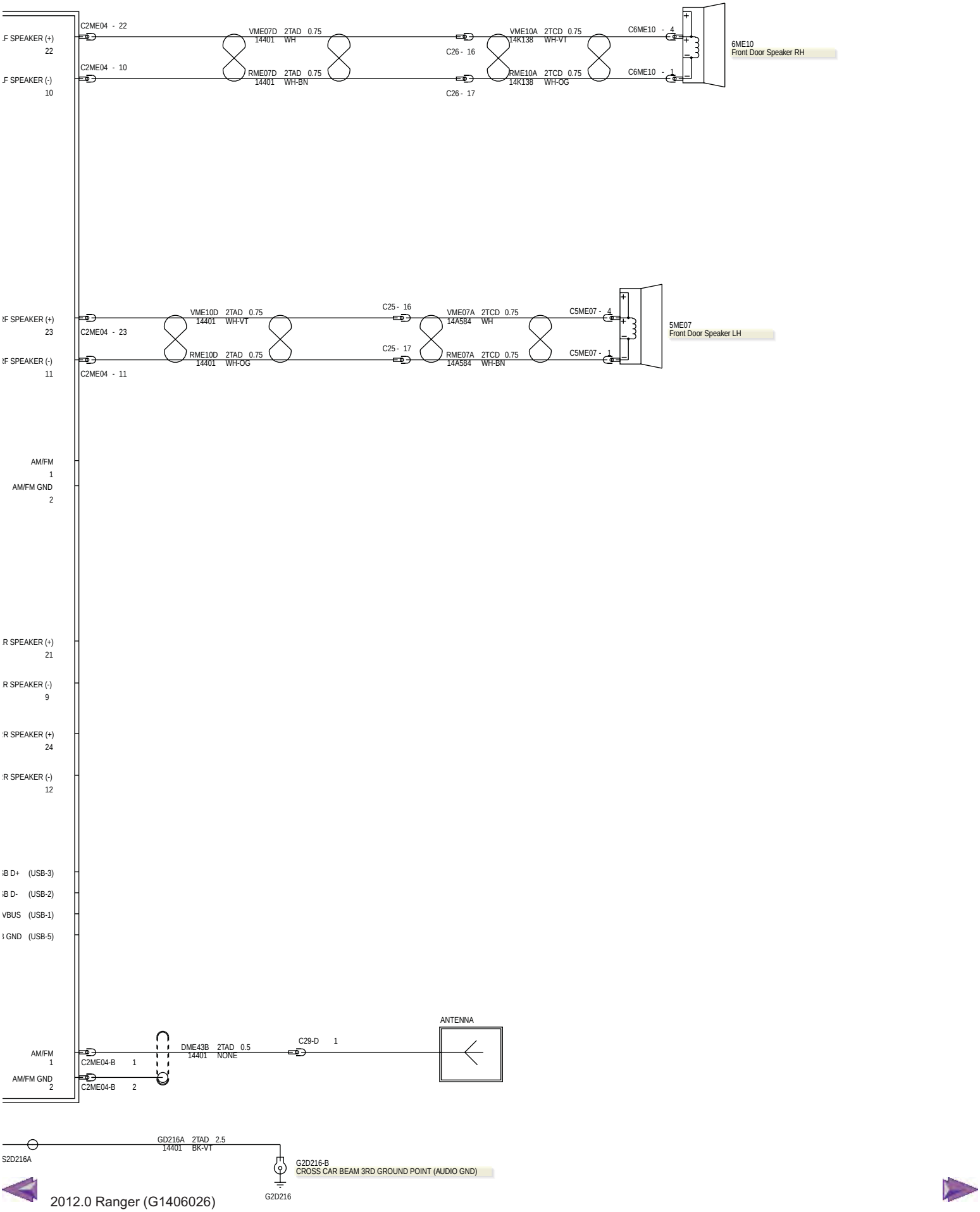
415-01-38 Audio System—Single Cab, RHD 4WD/RHD RWD, Vehicles With: Bluetooth and Voice Control

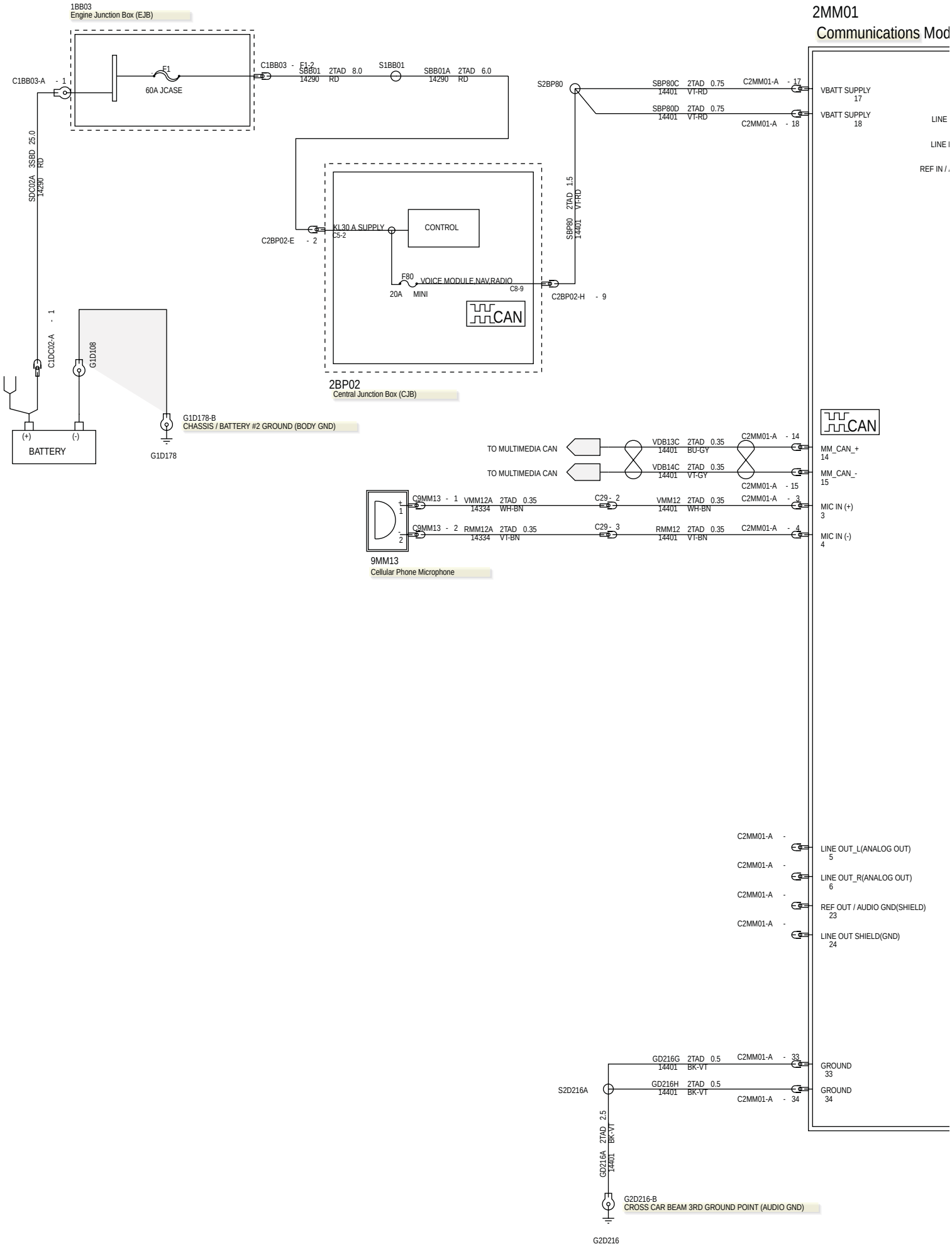


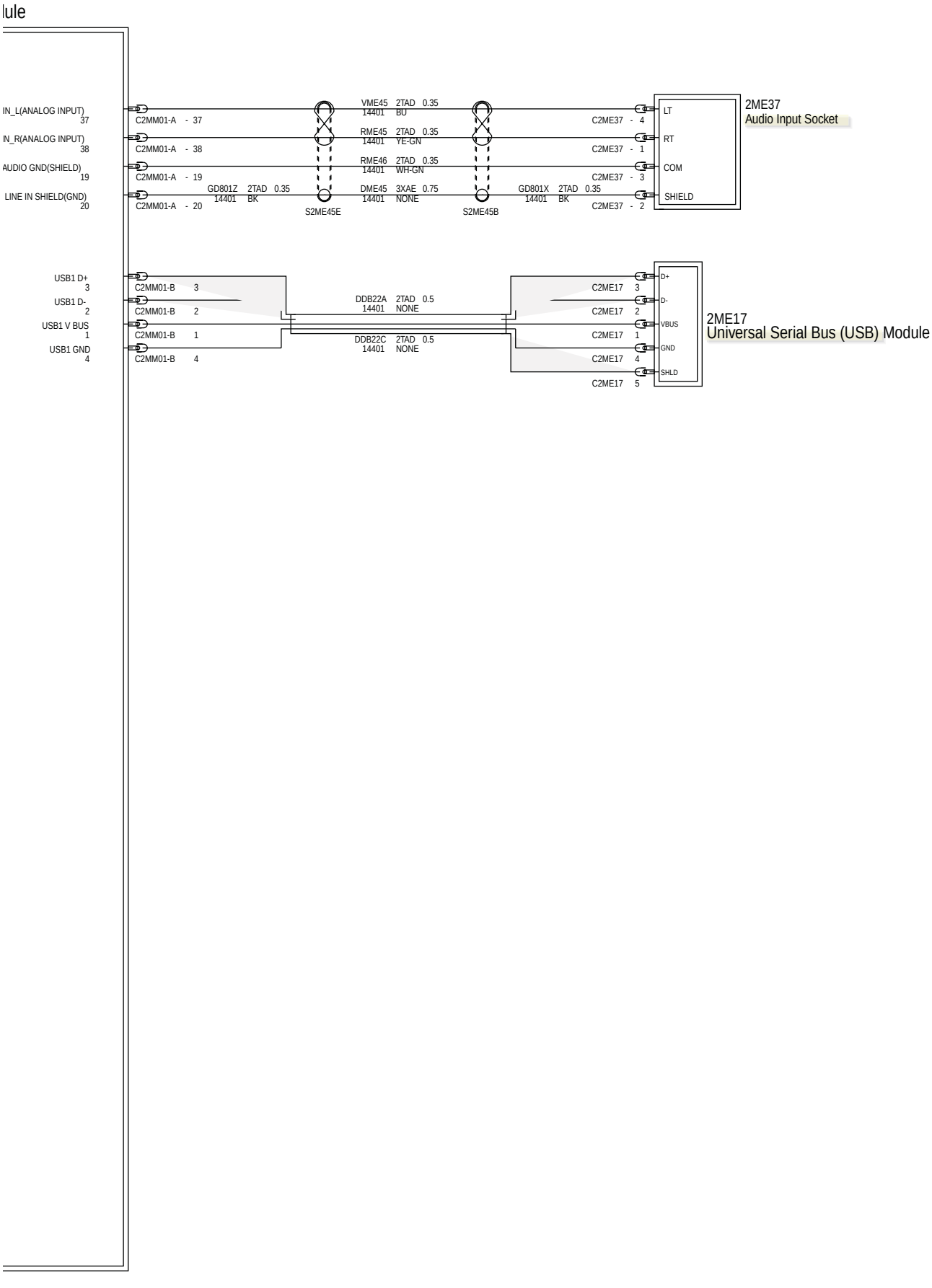
415-01-39 Audio System—Single Cab, RHD 4WD/RHD RWD, Vehicles Without: Bluetooth and Voice Control



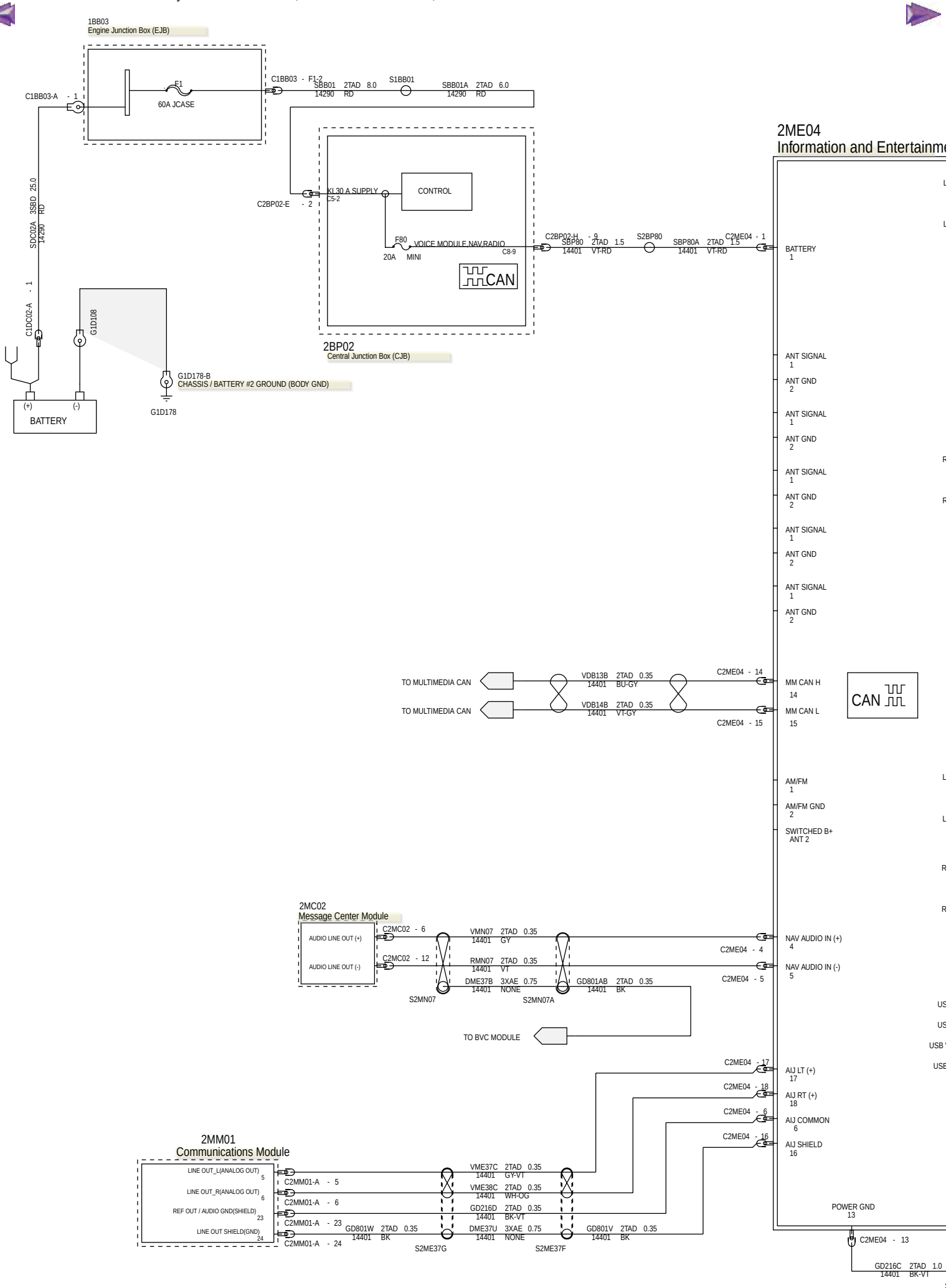
415-01-40 Audio System—Single Cab, RHD 4WD/RHD RWD, Vehicles Without: Bluetooth and Voice Control

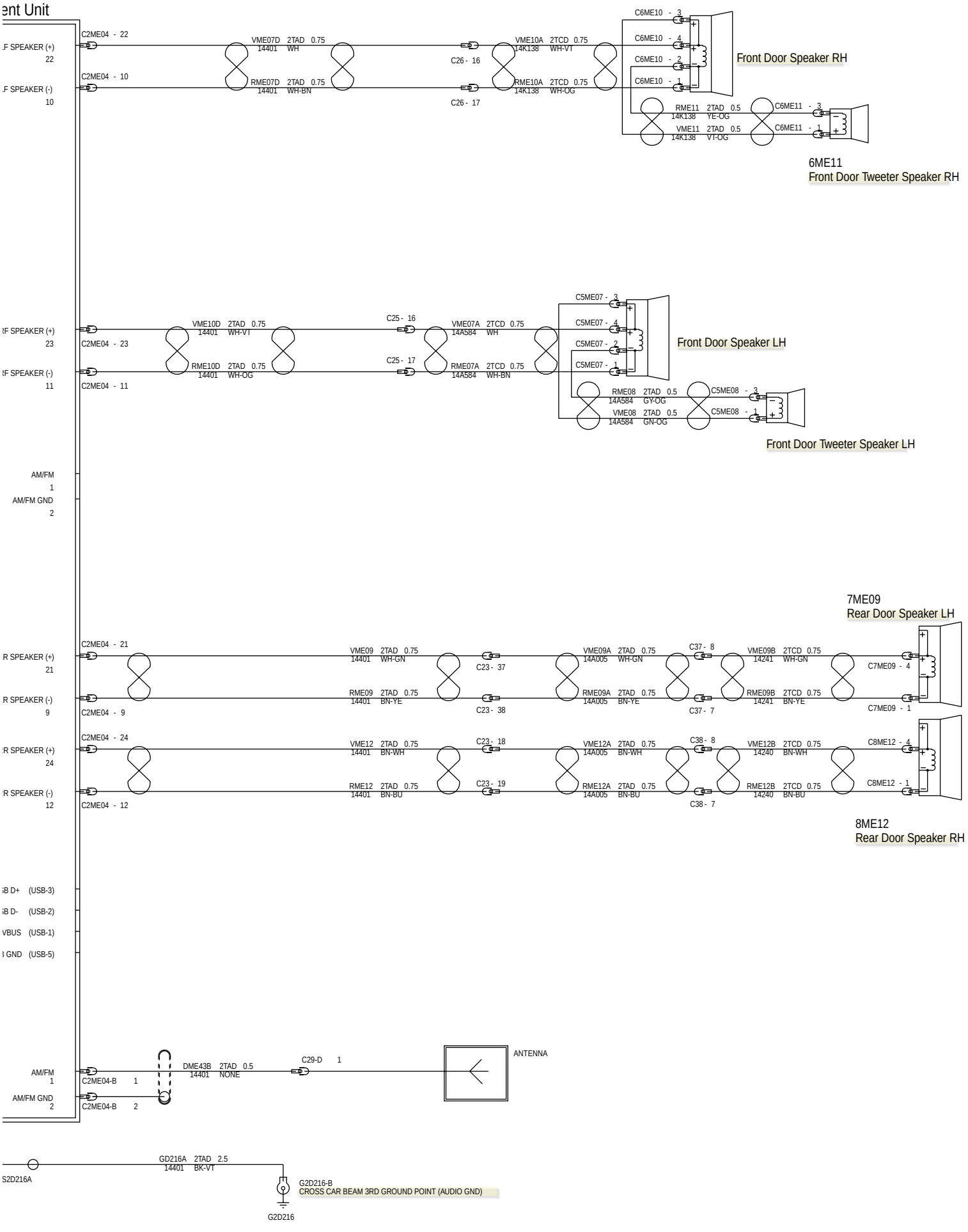



1BB03
Engine Junction Box (EJB)
F1
60A JCASE
C1BB03-A - 1
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
SBB01A 2TAD 6.0
14290 RD
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
S2BP80
SBP80C 2TAD 0.75
14401 VT-RD
SBP80D 2TAD 0.75
14401 VT-RD
C2MM01-A - 17
C2MM01-A - 18
SBP80 2TAD 1.5
14401 VT-RD
C2BP02-E - 2
KL30 A SUPPLY
C5-2
CONTROL
F80
20A MINI
VOICE MODULE NAV.RADIO
C8-9
C2BP02-H - 9
CAN
2BP02
Central Junction Box (CJB)
2MM01
Communications Mod
VBATT SUPPLY
17
VBATT SUPPLY
18
LINE
LINE
REF IN /
CAN
TO MULTIMEDIA CAN
VDB13C 2TAD 0.35
14401 BU-GY
VDB14C 2TAD 0.35
14401 VT-GY
C2MM01-A - 14
C2MM01-A - 15
MM_CAN_+
14
MM_CAN_-
15
C9MM13 - 1
VMM12A 2TAD 0.35
14334 WH-BN
C29 - 2
VMM12 2TAD 0.35
14401 WH-BN
C2MM01-A - 3
C9MM13 - 2
RMM12A 2TAD 0.35
14334 VT-BN
C29 - 3
RMM12 2TAD 0.35
14401 VT-BN
C2MM01-A - 4
MIC IN (+)
3
MIC IN (-)
4
9MM13
Cellular Phone Microphone
C2MM01-A -
LINE OUT_L(ANALOG OUT)
5
C2MM01-A -
LINE OUT_R(ANALOG OUT)
6
C2MM01-A -
REF OUT / AUDIO GND(SHIELD)
23
C2MM01-A -
LINE OUT SHIELD(GND)
24
GD216G 2TAD 0.5
14401 BK-VT
GD216H 2TAD 0.5
14401 BK-VT
C2MM01-A - 33
C2MM01-A - 34
GROUND
33
GROUND
34
S2D216A
GD216A 2TAD 2.5
14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

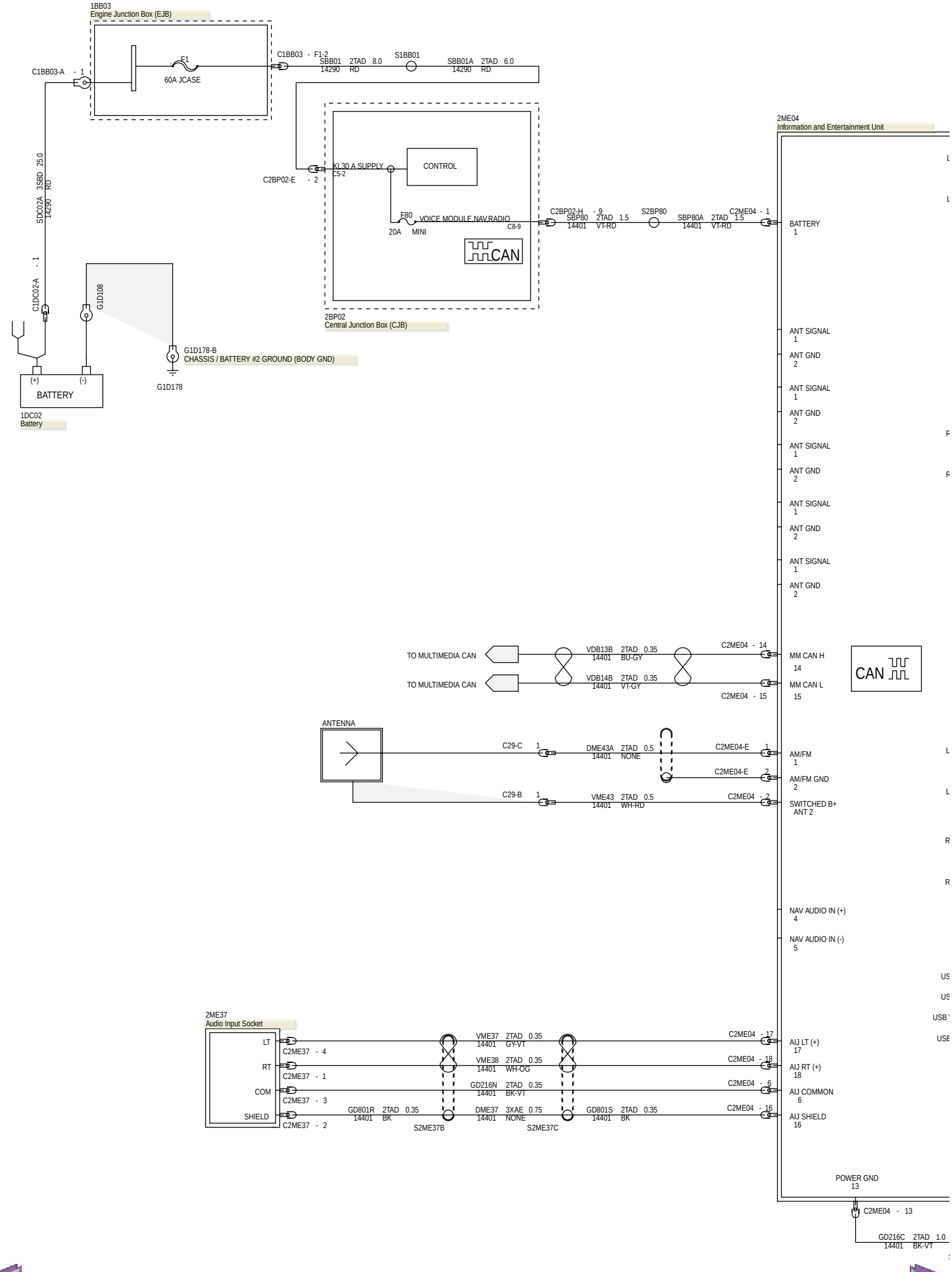

lule
IN_L(ANALOG INPUT)
37
C2MM01-A - 37
VME45 2TAD 0.35
14401 BU
C2ME37 - 4
LT
IN_R(ANALOG INPUT)
38
C2MM01-A - 38
RME45 2TAD 0.35
14401 YE-GN
C2ME37 - 1
RT
AUDIO GND(SHIELD)
19
C2MM01-A - 19
RME46 2TAD 0.35
14401 WH-GN
C2ME37 - 3
COM
LINE IN SHIELD(GND)
20
C2MM01-A - 20
GD801Z 2TAD 0.35
14401 BK
DME45 3XAE 0.75
14401 NONE
GD801X 2TAD 0.35
14401 BK
C2ME37 - 2
SHIELD
S2ME45E
S2ME45B
2ME37
Audio Input Socket
USB1 D+
3
C2MM01-B 3
C2ME17 3
D+
USB1 D-
2
C2MM01-B 2
DDB22A 2TAD 0.5
14401 NONE
C2ME17 2
D-
USB1 V BUS
1
C2MM01-B 1
C2ME17 1
VBUS
USB1 GND
4
C2MM01-B 4
DDB22C 2TAD 0.5
14401 NONE
C2ME17 4
GND
C2ME17 5
SHLD
2ME17
Universal Serial Bus (USB) Module

415-01-43 Audio System—Double Cab, RHD 4WD/RHD RWD, Vehicles With: Bluetooth and Voice Control

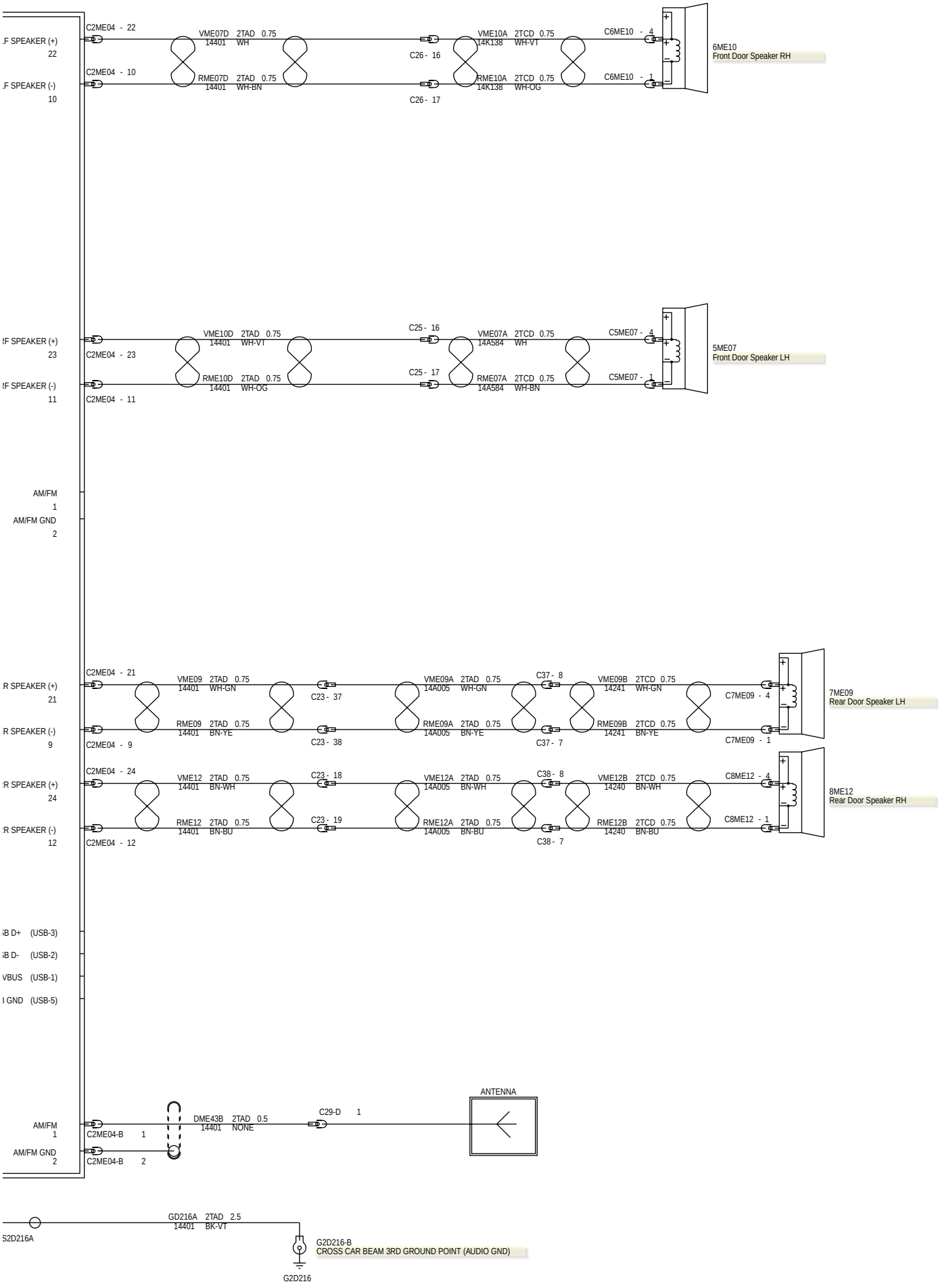


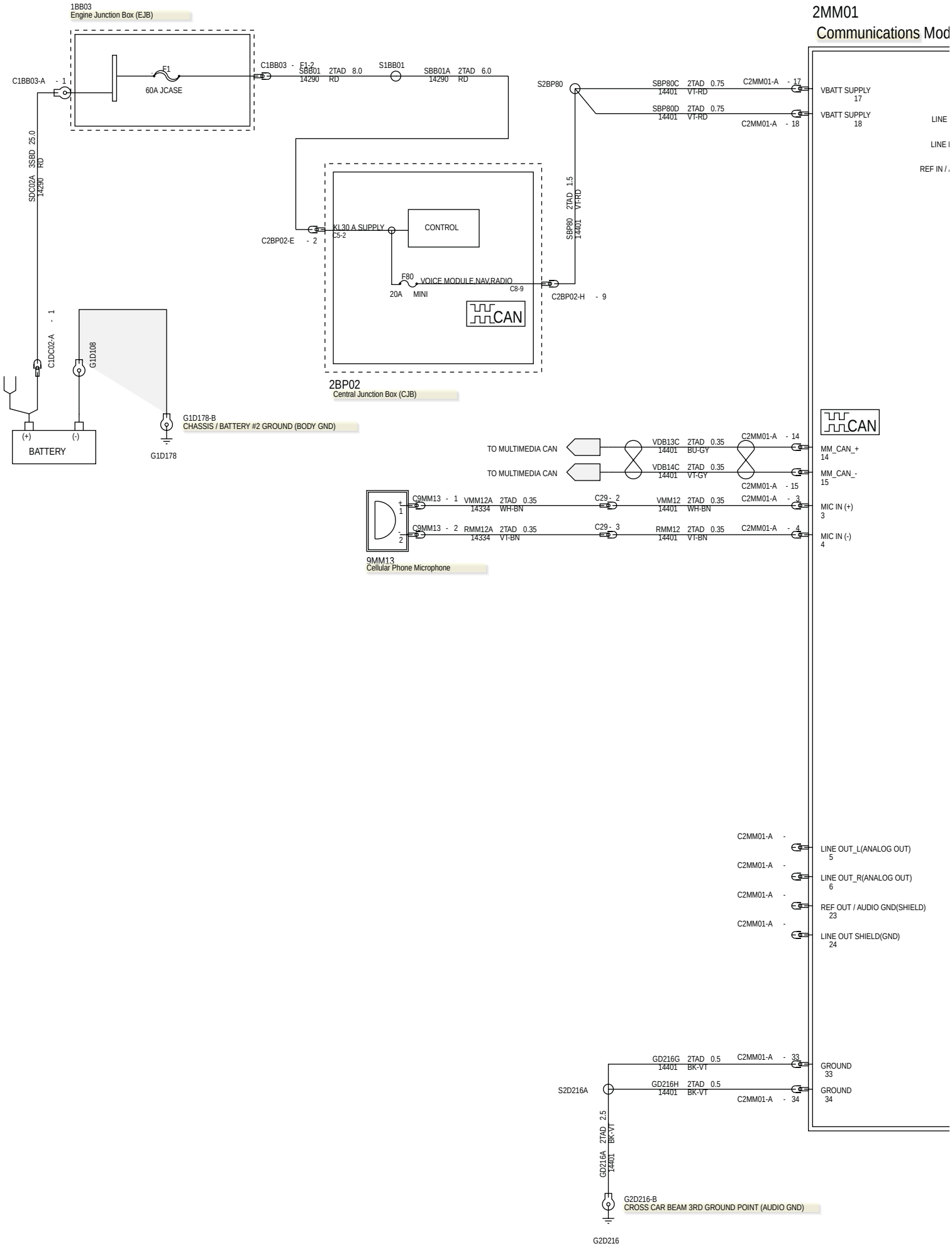

ent Unit
F SPEAKER (+)
22
F SPEAKER (-)
10
C2ME04 - 22
C2ME04 - 10
VME07D 2TAD 0.75
14401 WH
RME07D 2TAD 0.75
14401 WH-BN
C26 - 16
C26 - 17
VME10A 2TCD 0.75
14K138 WH-VT
RME10A 2TCD 0.75
14K138 WH-OG
C6ME10 - 3
C6ME10 - 4
C6ME10 - 2
C6ME10 - 1
Front Door Speaker RH
RME11 2TAD 0.5
14K138 YE-OG
VME11 2TAD 0.5
14K138 VT-OG
C6ME11 - 3
C6ME11 - 1
6ME11
Front Door Tweeter Speaker RH
F SPEAKER (+)
23
F SPEAKER (-)
11
C2ME04 - 23
C2ME04 - 11
VME10D 2TAD 0.75
14401 WH-VT
RME10D 2TAD 0.75
14401 WH-OG
C25 - 16
C25 - 17
VME07A 2TCD 0.75
14A584 WH
RME07A 2TCD 0.75
14A584 WH-BN
C5ME07 - 3
C5ME07 - 4
C5ME07 - 2
C5ME07 - 1
Front Door Speaker LH
RME08 2TAD 0.5
14A584 GY-OG
VME08 2TAD 0.5
14A584 GN-OG
C5ME08 - 3
C5ME08 - 1
Front Door Tweeter Speaker LH
AM/FM
1
AM/FM GND
2
7ME09
Rear Door Speaker LH
R SPEAKER (+)
21
R SPEAKER (-)
9
C2ME04 - 21
C2ME04 - 9
VME09 2TAD 0.75
14401 WH-GN
RME09 2TAD 0.75
14401 BN-YE
C23 - 37
C23 - 38
VME09A 2TAD 0.75
14A005 WH-GN
RME09A 2TAD 0.75
14A005 BN-YE
C37 - 8
C37 - 7
VME09B 2TCD 0.75
14241 WH-GN
RME09B 2TCD 0.75
14241 BN-YE
C7ME09 - 4
C7ME09 - 1
R SPEAKER (+)
24
R SPEAKER (-)
12
C2ME04 - 24
C2ME04 - 12
VME12 2TAD 0.75
14401 BN-WH
RME12 2TAD 0.75
14401 BN-BU
C23 - 18
C23 - 19
VME12A 2TAD 0.75
14A005 BN-WH
RME12A 2TAD 0.75
14A005 BN-BU
C38 - 8
C38 - 7
VME12B 2TCD 0.75
14240 BN-WH
RME12B 2TCD 0.75
14240 BN-BU
C8ME12 - 4
C8ME12 - 1
8ME12
Rear Door Speaker RH
iB D+ (USB-3)
iB D- (USB-2)
VBUS (USB-1)
GND (USB-5)
AM/FM
1
AM/FM GND
2
C2ME04-B 1
C2ME04-B 2
DME43B 2TAD 0.5
14401 NONE
C29-D 1
ANTENNA
S2D216A
GD216A 2TAD 2.5
14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

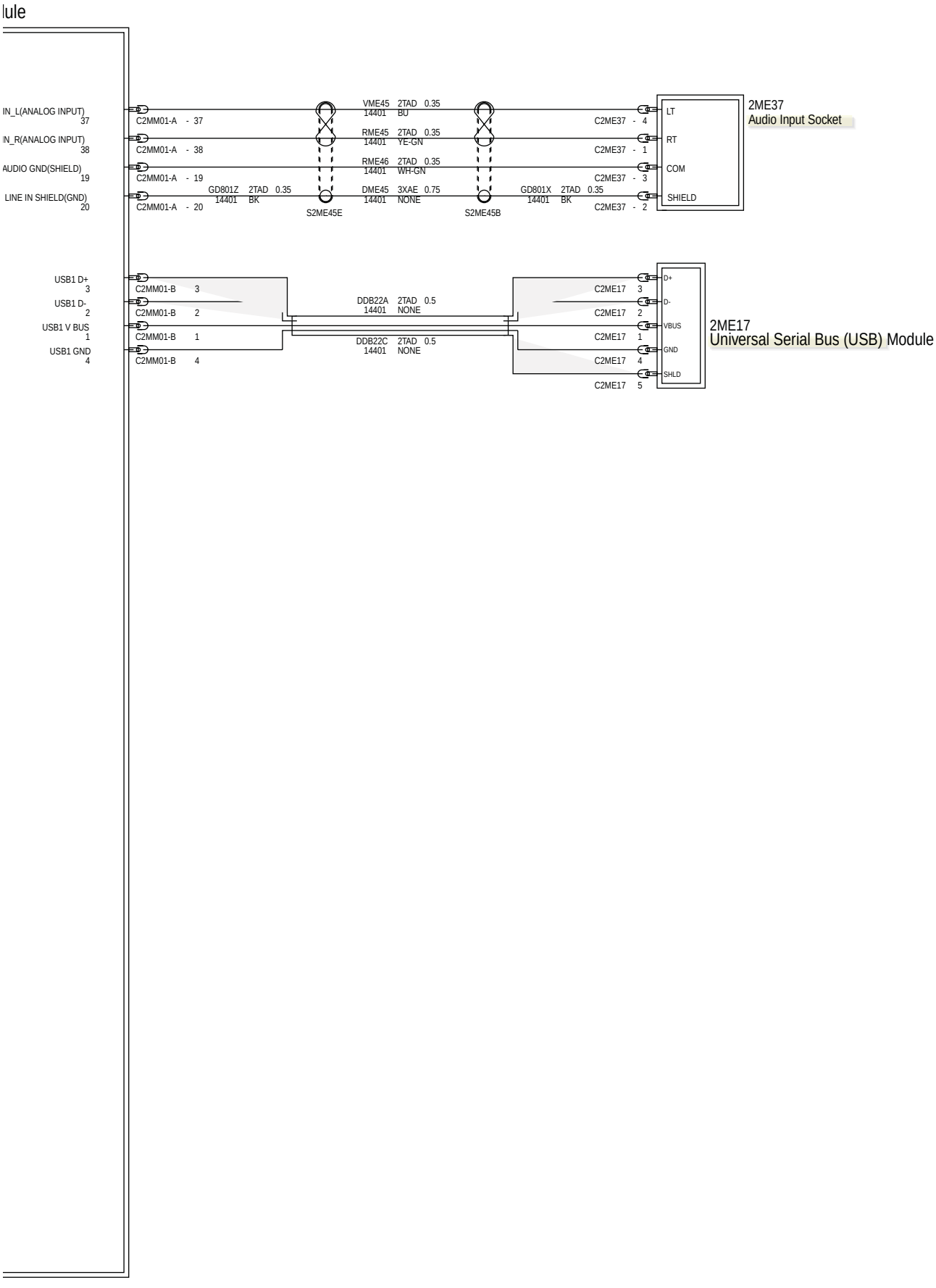
415-01-45 Audio System—Double Cab, RHD 4WD/RHD RWD, Vehicles Without: Bluetooth and Voice Control



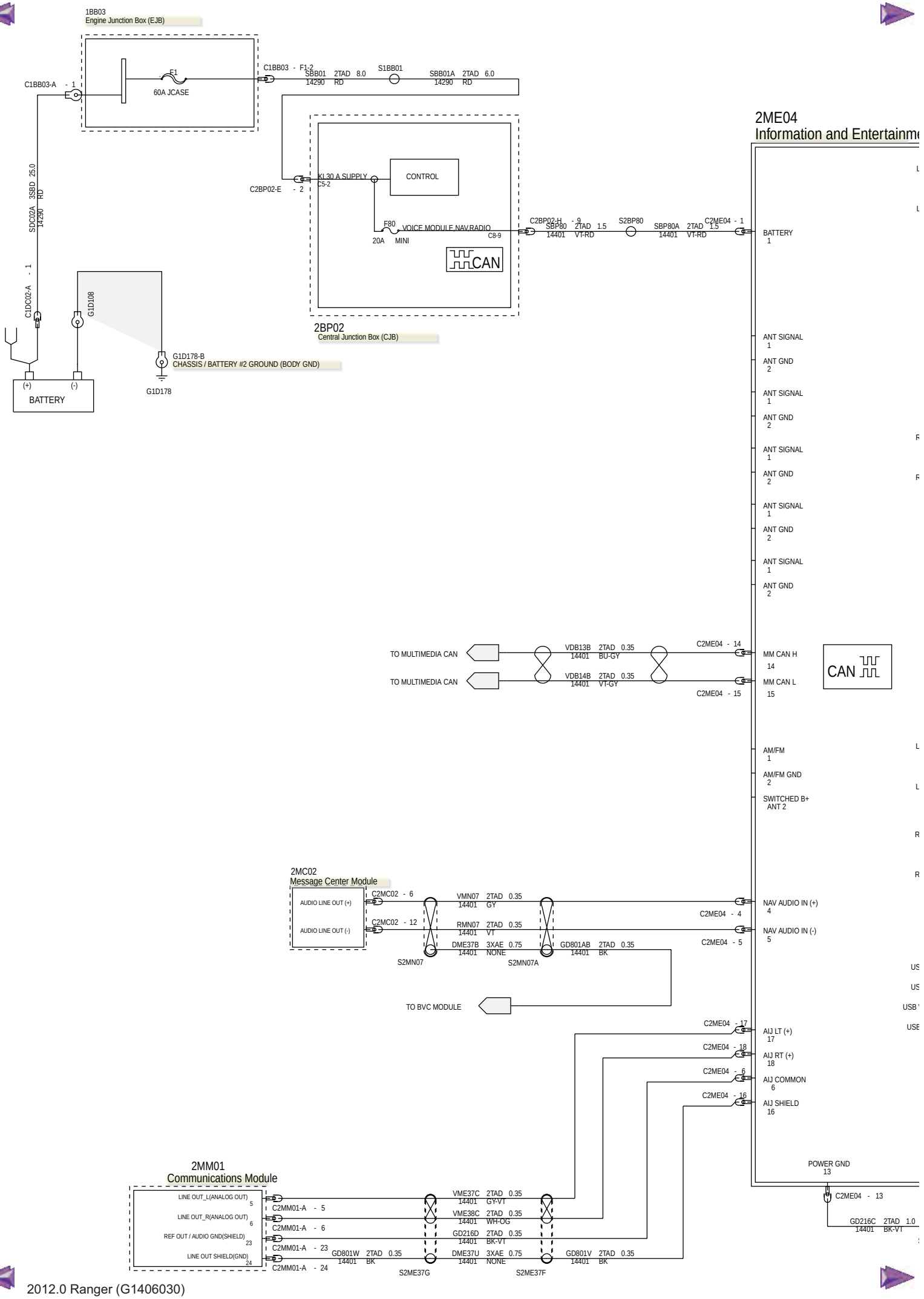
415-01-46 Audio System—Double Cab, RHD 4WD/RHD RWD, Vehicles Without: Bluetooth and Voice Control

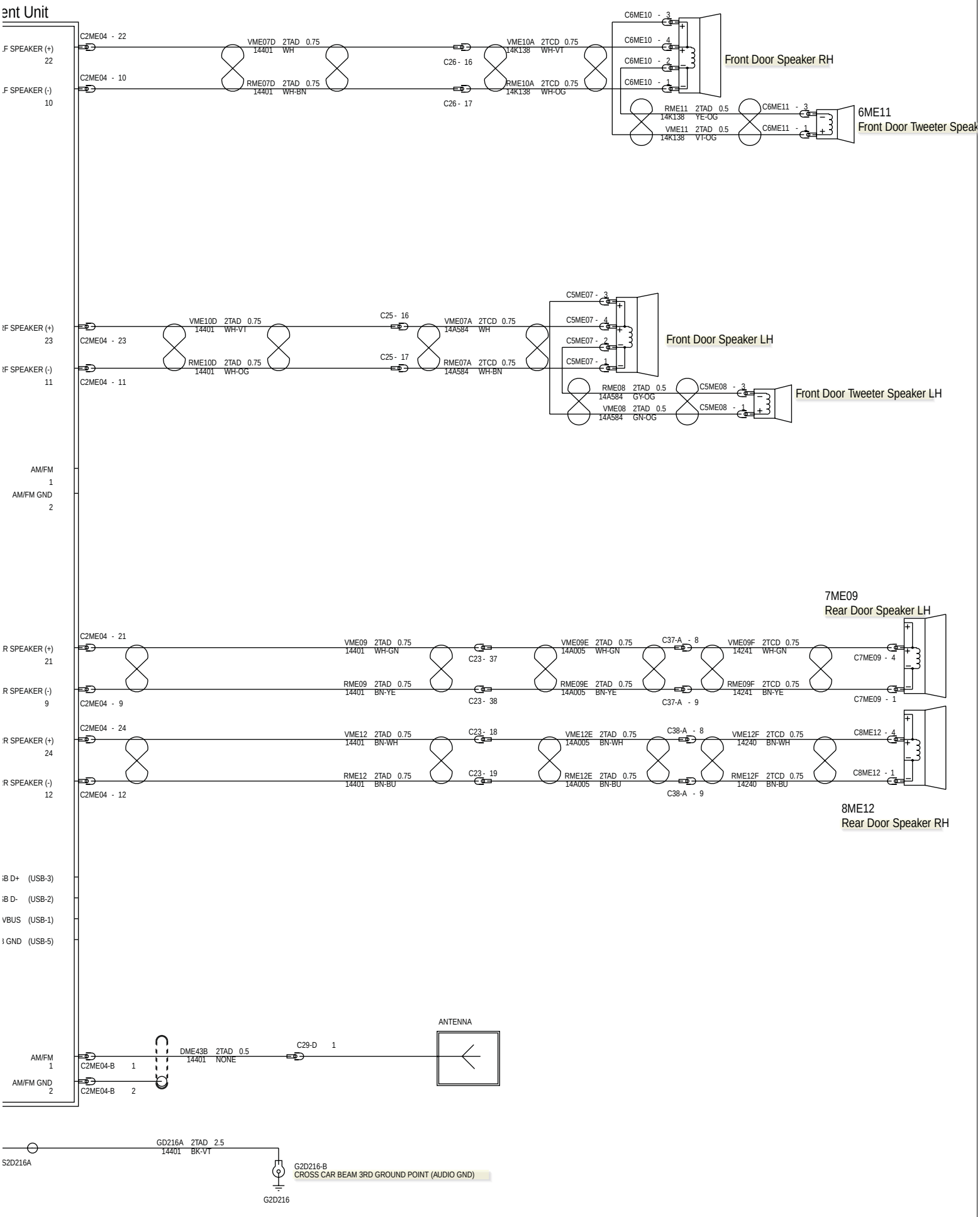



1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
F1
60A JCASE
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
SBB01A 2TAD 6.0
14290 RD
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
C2BP02-E - 2
KL30 A SUPPLY
C5-2
CONTROL
F80
20A MINI
VOICE MODULE NAV.RADIO
C8-9
CAN
2BP02
Central Junction Box (CJB)
S2BP80
SBP80 2TAD 1.5
14401 VT-RD
C2BP02-H - 9
SBP80C 2TAD 0.75
14401 VT-RD
SBP80D 2TAD 0.75
14401 VT-RD
C2MM01-A - 17
C2MM01-A - 18
2MM01
Communications Mod
VBATT SUPPLY
17
VBATT SUPPLY
18
LINE
LINE
REF IN /
CAN
TO MULTIMEDIA CAN
TO MULTIMEDIA CAN
VDB13C 2TAD 0.35
14401 BU-GY
VDB14C 2TAD 0.35
14401 VT-GY
C2MM01-A - 14
C2MM01-A - 15
MM_CAN_+
14
MM_CAN_-
15
C9MM13 - 1
C9MM13 - 2
VMM12A 2TAD 0.35
14334 WH-BN
RMM12A 2TAD 0.35
14334 VT-BN
C29 - 2
C29 - 3
VMM12 2TAD 0.35
14401 WH-BN
RMM12 2TAD 0.35
14401 VT-BN
C2MM01-A - 3
C2MM01-A - 4
MIC IN (+)
3
MIC IN (-)
4
9MM13
Cellular Phone Microphone
C2MM01-A -
LINE OUT_L(ANALOG OUT)
5
C2MM01-A -
LINE OUT_R(ANALOG OUT)
6
C2MM01-A -
REF OUT / AUDIO GND(SHIELD)
23
C2MM01-A -
LINE OUT SHIELD(GND)
24
GD216G 2TAD 0.5
14401 BK-VT
GD216H 2TAD 0.5
14401 BK-VT
C2MM01-A - 33
C2MM01-A - 34
GROUND
33
GROUND
34
S2D216A
GD216A 2TAD 2.5
14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

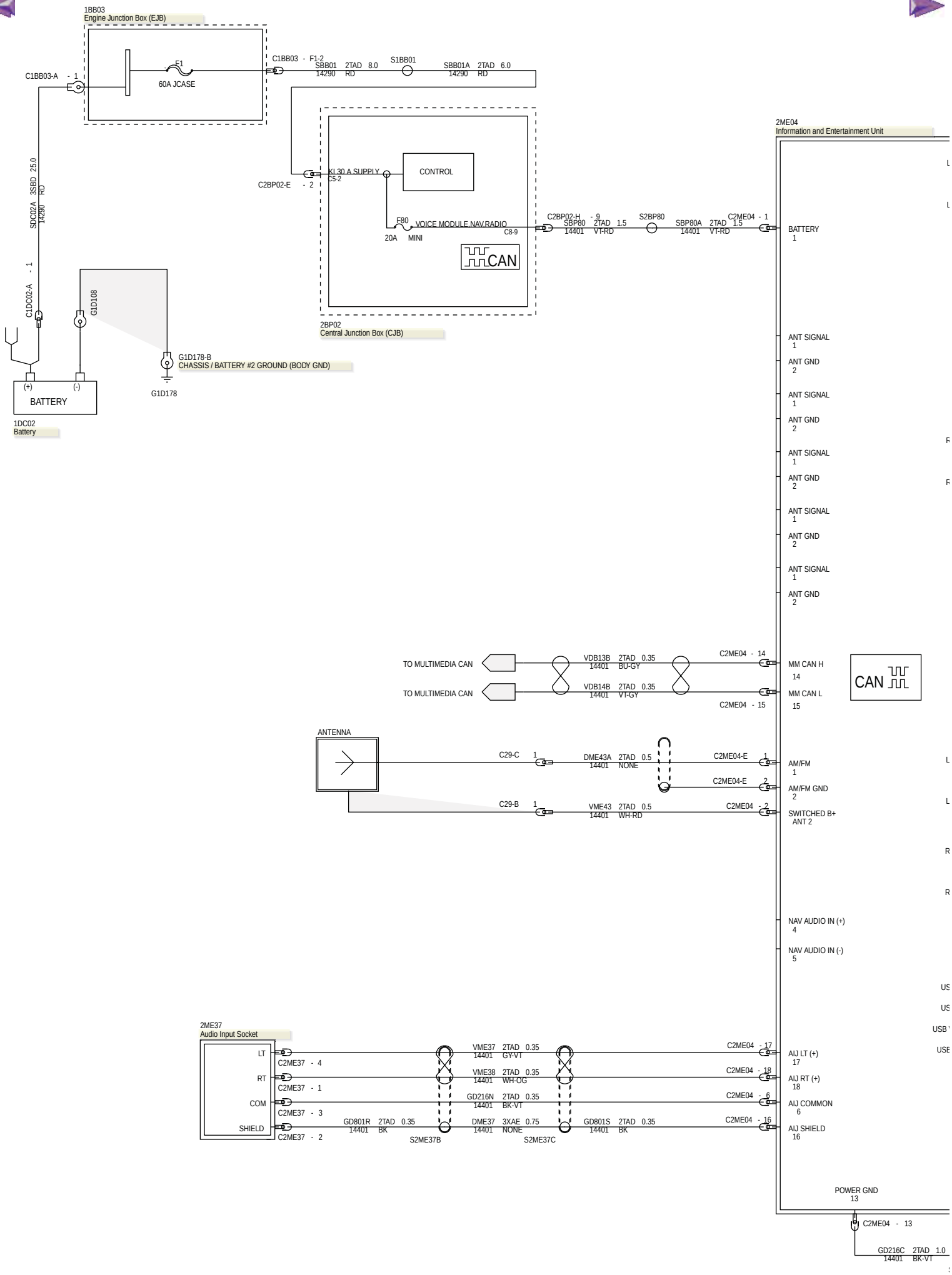

lule
IN_L(ANALOG INPUT)
37
C2MM01-A - 37
VME45 2TAD 0.35
14401 BU
C2ME37 - 4
LT
IN_R(ANALOG INPUT)
38
C2MM01-A - 38
RME45 2TAD 0.35
14401 YE-GN
C2ME37 - 1
RT
AUDIO GND(SHIELD)
19
C2MM01-A - 19
RME46 2TAD 0.35
14401 WH-GN
C2ME37 - 3
COM
LINE IN SHIELD(GND)
20
C2MM01-A - 20
GD801Z 2TAD 0.35
14401 BK
DME45 3XAE 0.75
14401 NONE
GD801X 2TAD 0.35
14401 BK
C2ME37 - 2
SHIELD
S2ME45E
S2ME45B
2ME37
Audio Input Socket
USB1 D+
3
C2MM01-B 3
C2ME17 3
D+
USB1 D-
2
C2MM01-B 2
DDB22A 2TAD 0.5
14401 NONE
C2ME17 2
D-
USB1 V BUS
1
C2MM01-B 1
C2ME17 1
VBUS
USB1 GND
4
C2MM01-B 4
DDB22C 2TAD 0.5
14401 NONE
C2ME17 4
GND
C2ME17 5
SHLD
2ME17
Universal Serial Bus (USB) Module

415-01-49 Audio System—Super Cab, RHD 4WD/RHD RWD, Vehicles With: Bluetooth and Voice Control

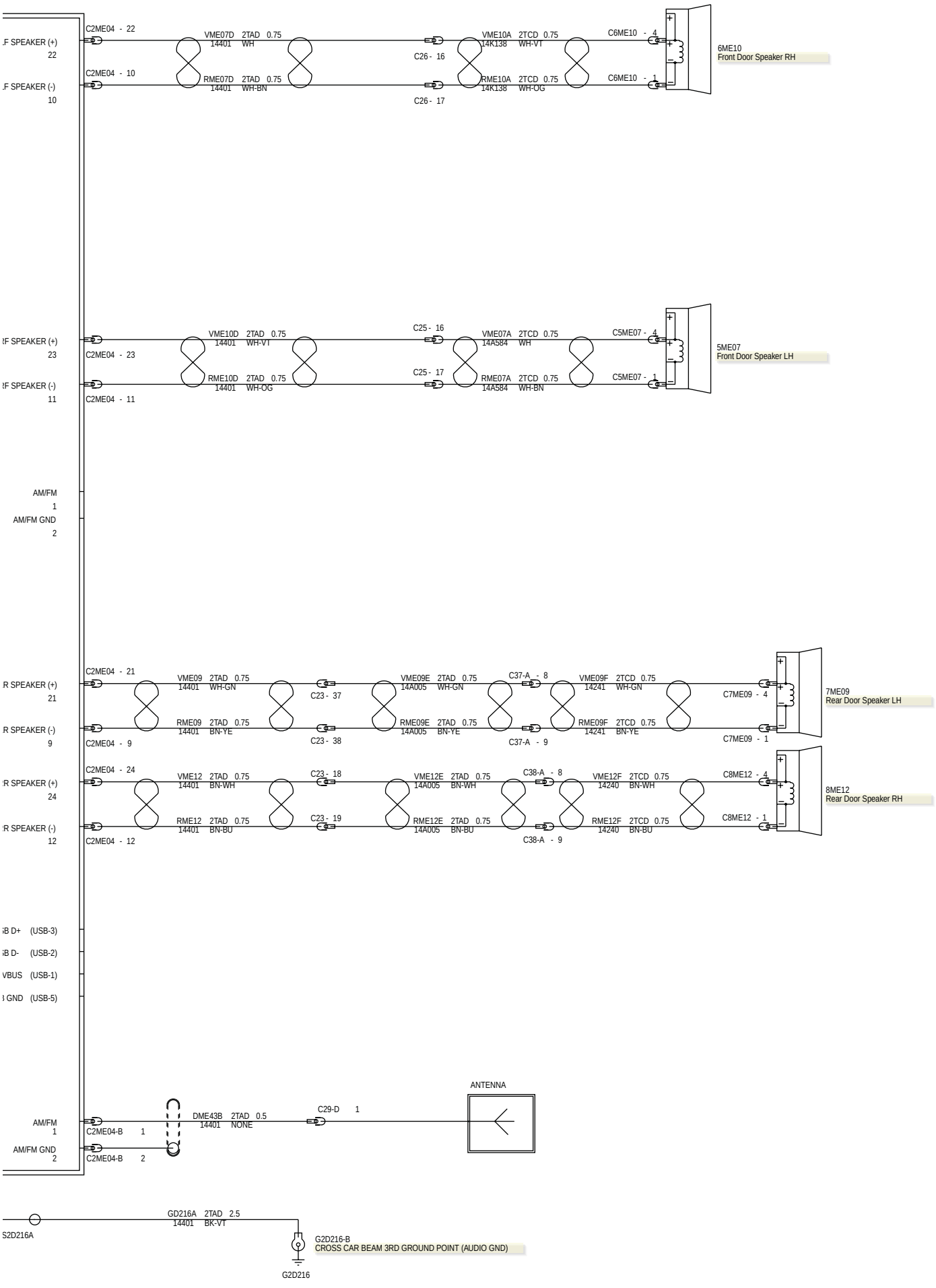



ent Unit
.F SPEAKER (+)
22
.F SPEAKER (-)
10
C2ME04 - 22
C2ME04 - 10
VME07D 2TAD 0.75
14401 WH
RME07D 2TAD 0.75
14401 WH-BN
C26 - 16
C26 - 17
VME10A 2TCD 0.75
14K138 WH-VT
RME10A 2TCD 0.75
14K138 WH-OG
C6ME10 - 3
C6ME10 - 4
C6ME10 - 2
C6ME10 - 1
Front Door Speaker RH
RME11 2TAD 0.5
14K138 YE-OG
VME11 2TAD 0.5
14K138 VT-OG
C6ME11 - 3
C6ME11 - 1
6ME11
Front Door Tweeter Speak
tF SPEAKER (+)
23
tF SPEAKER (-)
11
C2ME04 - 23
C2ME04 - 11
VME10D 2TAD 0.75
14401 WH-VT
RME10D 2TAD 0.75
14401 WH-OG
C25 - 16
C25 - 17
VME07A 2TCD 0.75
14A584 WH
RME07A 2TCD 0.75
14A584 WH-BN
C5ME07 - 3
C5ME07 - 4
C5ME07 - 2
C5ME07 - 1
Front Door Speaker LH
RME08 2TAD 0.5
14A584 GY-OG
VME08 2TAD 0.5
14A584 GN-OG
C5ME08 - 3
C5ME08 - 1
Front Door Tweeter Speaker LH
AM/FM
1
AM/FM GND
2
7ME09
Rear Door Speaker LH
R SPEAKER (+)
21
R SPEAKER (-)
9
C2ME04 - 21
C2ME04 - 9
VME09 2TAD 0.75
14401 WH-GN
RME09 2TAD 0.75
14401 BN-YE
C23 - 37
C23 - 38
VME09E 2TAD 0.75
14A005 WH-GN
RME09E 2TAD 0.75
14A005 BN-YE
C37-A - 8
C37-A - 9
VME09F 2TCD 0.75
14241 WH-GN
RME09F 2TCD 0.75
14241 BN-YE
C7ME09 - 4
C7ME09 - 1
R SPEAKER (+)
24
R SPEAKER (-)
12
C2ME04 - 24
C2ME04 - 12
VME12 2TAD 0.75
14401 BN-WH
RME12 2TAD 0.75
14401 BN-BU
C23 - 18
C23 - 19
VME12E 2TAD 0.75
14A005 BN-WH
RME12E 2TAD 0.75
14A005 BN-BU
C38-A - 8
C38-A - 9
VME12F 2TCD 0.75
14240 BN-WH
RME12F 2TCD 0.75
14240 BN-BU
C8ME12 - 4
C8ME12 - 1
8ME12
Rear Door Speaker RH
iB D+ (USB-3)
iB D- (USB-2)
VBUS (USB-1)
GND (USB-5)
ANTENNA
AM/FM
1
AM/FM GND
2
C2ME04-B 1
C2ME04-B 2
DME43B 2TAD 0.5
14401 NONE
C29-D 1
S2D216A
GD216A 2TAD 2.5
14401 BK-VT
G2D216-B
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)
G2D216

415-01-51 Audio System—Super Cab, RHD 4WD/RHD RWD, Vehicles Without: Bluetooth and Voice Control

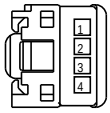


415-01-52 Audio System—Super Cab, RHD 4WD/RHD RWD, Vehicles Without: Bluetooth and Voice Control



Audio Input Socket (G1404453)

PIN 1 => RME45 YE-GN 0.35 2TAD
PIN 1 => VME38 WH-OG 0.35 2TAD
PIN 1 => VME38B WH-OG 0.35 2TAD
PIN 2 => GD801R BK 0.35 2TAD
PIN 2 => GD801T BK 0.35 2TAD
PIN 2 => GD801X BK 0.35 2TAD
PIN 3 => GD216M BK-VT 0.35 2TAD
PIN 3 => GD216N BK-VT 0.35 2TAD
PIN 3 => RME46 WH-GN 0.35 2TAD
PIN 4 => VME37 GY-VT 0.35 2TAD
PIN 4 => VME37B GY-VT 0.35 2TAD
PIN 4 => VME45 BU 0.35 2TAD



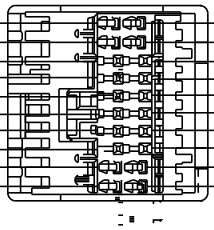
1 VME46A BU-GN 2TAD 0.35
2 RME45A YE-GN 2TAD 0.35
3 RME46A WH-GN 2TAD 0.35
4 VME45A BU 2TAD 0.35

1L2T-14489-GC

C2ME37
TO AUX JACK

HARNESS 14401

Audio Unit (G1404454)

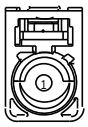


					SBP79A	WH-RD	2TAD	1.0	1
					CDC32B	BN-YE	2TAD	0.5	2
VME10	WH-VT	2TAD	0.5	+	VME10B	WH-VT	2TAD	0.5	3
RME10	WH-OG	2TAD	0.5	+	RME10B	WH-OG	2TAD	0.5	4
	VME07B	WH	2TAD	0.5	+	VME07	WH	2TAD	0.5	5
RME07B	WH-BN	2TAD	0.5	+	RME07	WH-BN	2TAD	0.5	6
					VME46A	BU-GN	2TAD	0.35	7
					RME46A	WH-GN	2TAD	0.35	8
					CLN17H	BN	2TAD	0.5	9
					GD216B	BK-VT	2TAD	1.0	10

11									
12	VME43A	WH-RD	2TAD	0.5					
13	VME12C	BN-WH	2TAD	0.5					
14	RME12C	BN-BU	2TAD	0.5					
15	VME09C	WH-GN	2TAD	0.5					
16	RME09C	BN-YE	2TAD	0.5					
17	VME45A	BU	2TAD	0.35					
18	RME45A	YE-GN	2TAD	0.35					
19									
20									

C2ME03
MX5-A-20S-C
TO AUDIO SINGLE DIN
HARNESS 14401

Audio Unit—J (G1414611)



1 DME43 NONE 2TAD 0.5

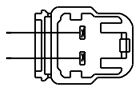
7H2T-14489-AKB

C2ME03-J
TO LHD PASSIVE ANTENNA

HARNESS 14401

Cellular Phone Microphone (G1405451)

RMM12A	VT-BN	2TAD	0.35	2
VMM12A	WH-BN	2TAD	0.35	1



96BG-14A459-AA

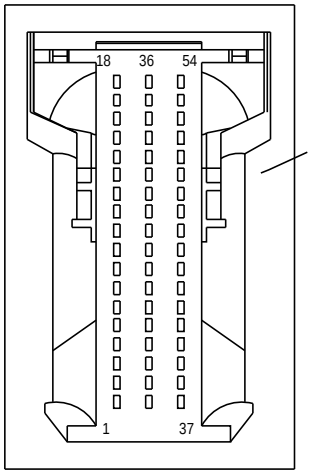
C9MM13
TO MICROPHONE

HARNESS 14334

Communications Module—A (G1404456)

PIN 5 => VME37F GY-VT 0.35 2TAD
PIN 6 => VME38F WH-OG 0.35 2TAD
PIN 23 => GD216L BK-VT 0.35 2TAD
PIN 24 => GD801AF BK 0.35 2TAD

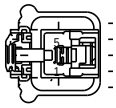
				1			
				2			
VMM12	WH-BN	2TAD	0.35	3			
RMM12	VT-BN	2TAD	0.35	4			
VME37C	GY-VT	2TAD	0.35	5			
VME38C	WH-OG	2TAD	0.35	6			
				7			
				8			
				9			
				10			
				11			
				12			
				13			
VDB13C	BU-GY	2TAD	0.35	14			
VDB14C	VT-GY	2TAD	0.35	15			
				16			
SBP80C	VT-RD	2TAD	0.75	17			
SBP80D	VT-RD	2TAD	0.75	18			
RME46	WH-GN	2TAD	0.35	19			
GD801Z	BK	2TAD	0.35	20			
				21			
				22			
GD216D	BK-VT	2TAD	0.35	23			
GD801W	BK	2TAD	0.35	24			
				25			
				26			
				27			



				28			
				29			
				30			
				31			
				32			
GD216G	BK-VT	2TAD	0.5	33			
GD216H	BK-VT	2TAD	0.5	34			
				35			
				36			
VME45	BU	2TAD	0.35	37			
RME45	YE-GN	2TAD	0.35	38			
				39			
				40			
				41			
				42			
				43			
				44			
				45			
				46			
				47			
				48			
				49			
				50			
				51			
				52			
				53			
				54			

C2MM01-A
1X4T-14N003-CB
TO BVC MODULE 2
HARNESS 14401

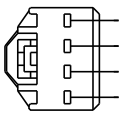
Communications Module—B (G1404457)



5				
4	DDB22C	NONE	2TAD	0.5
3				
2				
1	DDB22A	NONE	2TAD	0.5

7U5T-19C041-AA
C2MM01-B
TO BVC MODULE USB
HARNESS 14401

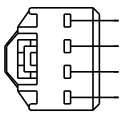
Front Door Speaker LH (G1404458)



1	RME07A	WH-BN	2TCD	0.75
2	RME08	GY-OG	2TAD	0.5
3	VME08	GN-OG	2TAD	0.5
4	VME07A	WH	2TCD	0.75

3M5T-14489-RDA
C5ME07
TO DRIVER SPEAKER
HARNESS 14A584

Front Door Speaker RH (G1404459)



1	RME10A	WH-OG	2TCD	0.75
2	RME11	YE-OG	2TAD	0.5
3	VME11	VT-OG	2TAD	0.5
4	VME10A	WH-VT	2TCD	0.75

3M5T-14489-RDA
C6ME10
TO PASSENGER SPEAKER
HARNESS 14K138

Front Door Tweeter Speaker LH (G1404460)



1 VME08 GN-OG 2TAD 0.5
2
3 RME08 GY-OG 2TAD 0.5

2L2T-14A464-BA

C5ME08
TO DRIVER TWEETER

HARNESS 14A584

Front Door Tweeter Speaker RH (G1404461)



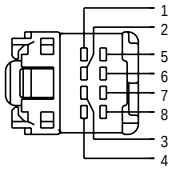
1 VME11 VT-OG 2TAD 0.5
2
3 RME11 YE-OG 2TAD 0.5

2L2T-14A464-BA

C6ME11
TO PASSENGER TWEETER

HARNESS 14K138

Information and Entertainment Control Panel (G1404462)



1 CLS32 BN-YE 2TAD 0.35
2 CPL77 BU-GN 2TAD 0.35
5 GD215X BK-GY 2TAD 0.35
6 CPK14 BN 2TAD 0.35
7 VMC29 YE 2TAD 0.35
8 CBP69B WH-VT 2TAD 0.35
3
4

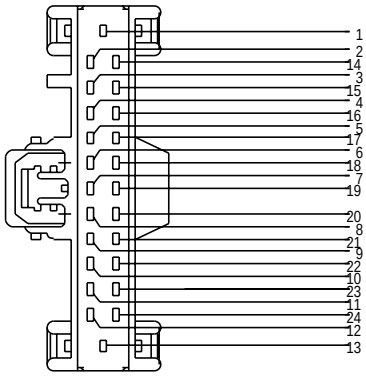
2L7T-14489-BA

C2LS51
TO INTEGRATED CONTROL PANEL

HARNESS 14401

Information and Entertainment Unit (G1404463)

PIN 2 => VME43 WH-RD 0.5 2TAD
PIN 14 => VDB13B BU-GY 0.35 2TAD
PIN 15 => VDB14B VT-GY 0.35 2TAD



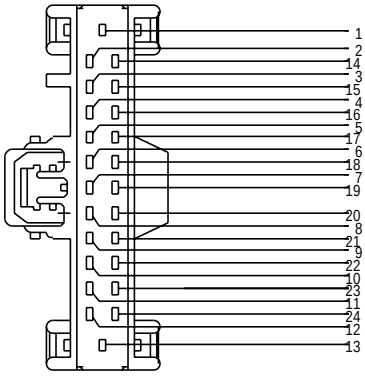
1 SBP80A VT-RD 2TAD 1.5
2 VME43B WH-RD 2TAD 0.5
14 VDB13H BU-GY 2TAD 0.35
3
15 VDB14H VT-GY 2TAD 0.35
4 VMN07 GY 2TAD 0.35
16 GD801V BK 2TAD 0.35 + GD801S BK 2TAD 0.35
5 RMN07 VT 2TAD 0.35
17 VME37 GY-VT 2TAD 0.35 + VME37C GY-VT 2TAD 0.35
6 GD216N BK-VT 2TAD 0.35 + GD216D BK-VT 2TAD 0.35
18 VME38 WH-OG 2TAD 0.35 + VME38C WH-OG 2TAD 0.35
7
19
20
8
21 VME09 WH-GN 2TAD 0.75
9 RME09 BN-YE 2TAD 0.75
22 VME07C WH 2TAD 0.75 + VME07D WH 2TAD 0.75
10 RME07C WH-BN 2TAD 0.75 + RME07D WH-BN 2TAD 0.75
23 VME10C WH-VT 2TAD 0.75 + VME10D WH-VT 2TAD 0.75
11 RME10C WH-OG 2TAD 0.75 + RME10D WH-OG 2TAD 0.75
24 VME12 BN-WH 2TAD 0.75
12 RME12 BN-BU 2TAD 0.75
13 GD216C BK-VT 2TAD 1.0

9U5T-14489-MA

C2ME04
TO AUDIO UNIT

HARNESS 14401

Information and Entertainment Unit—A (G1404464)



1	SBP79C	WH-RD	2TAD	1.0								
2												
14	VDB13G	BU-GY	2TAD	0.35								
3												
15	VDB14G	VT-GY	2TAD	0.35								
4	VMN07A	GY	2TAD	0.35								
16	GD801U	BK	2TAD	0.35								
5	RMN07A	VT	2TAD	0.35								
17	VME37B	GY-VT	2TAD	0.35								
6	GD216M	BK-VT	2TAD	0.35								
18	VME38B	WH-OG	2TAD	0.35								
7												
19	RMM12B	VT-BN	2TAD	0.35								
20	VMM12B	WH-BN	2TAD	0.35								
8												
21	VME09D	WH-GN	2TAD	0.75								
9	RME09D	BN-YE	2TAD	0.75								
22	VME07E	WH	2TAD	0.75	+	VME07F	WH	2TAD	0.75			
10	RME07E	WH-BN	2TAD	0.75	+	RME07F	WH-BN	2TAD	0.75			
23	VME10E	WH-VT	2TAD	0.75	+	VME10F	WH-VT	2TAD	0.75			
11	RME10E	WH-OG	2TAD	0.75	+	RME10F	WH-OG	2TAD	0.75			
24	VME12D	BN-WH	2TAD	0.75								
12	RME12D	BN-BU	2TAD	0.75								
13	GD216F	BK-VT	2TAD	1.0								

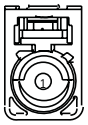
9U5T-14489-MA

C2ME04-A

TO FSAO AUDIO

HARNESS 14401

Information and Entertainment Unit—B (G1409231)



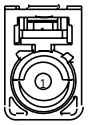
1	DME43B	NONE	2TAD	0.5

7H2T-14489-AKB

C2ME04-B
TO RHD PASSIVE ANTENNA

HARNESS 14401

Information and Entertainment Unit—D (G1404466)



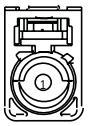
1	DMN03B	NONE	2TAD	0.5

7H2T-14489-AKB

C2ME04-D
TO FORD ACTIVE ANTENNA

HARNESS 14401

Information and Entertainment Unit—F (G1404467)



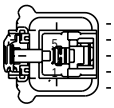
1	DMN03F	NONE	2TAD	0.5

7H2T-14489-AKB

C2ME04-F
TO FORD PASSIVE ANTENNA

HARNESS 14401

Information and Entertainment Unit—K (G1404468)



5 DDB22B NONE 2TAD 0.5
4
3
2
1 DDB22 NONE 2TAD 0.5

7U5T-19C041-AA

C2ME04-K

TO AUDIO UNIT USB (FSAO)

HARNESS 14401

Noise Suppression Capacitor (G1404474)



1 CBB25K WH-OG 3TBD 1.0

2L1T-14A464-AJA

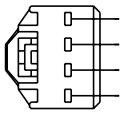
C1ME19

TO NOISE SUPPRESSION CAPACITOR

HARNESS 12B637

Rear Door Speaker LH (G1404469)

PIN 1 => RME09B BN-YE 0.75 2TCD
PIN 1 => RME09B BN-YE 0.75 2TCD + RME09F BN-YE 0.75 2TCD
PIN 4 => VME09B WH-GN 0.75 2TCD
PIN 4 => VME09B WH-GN 0.75 2TCD + VME09F WH-GN 0.75 2TCD



1 RME09F BN-YE 2TCD 0.75 + RME09B BN-YE 2TCD 0.75
2
3
4 VME09F WH-GN 2TCD 0.75 + VME09B WH-GN 2TCD 0.75

3M5T-14489-RDA

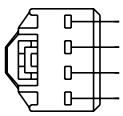
C7ME09

TO LEFT REAR DOOR SPEAKER

HARNESS 14241

Rear Door Speaker RH (G1404470)

PIN 1 => RME12B BN-BU 0.75 2TCD
PIN 1 => RME12B BN-BU 0.75 2TCD + RME12F BN-BU 0.75 2TCD
PIN 4 => VME12B BN-WH 0.75 2TCD
PIN 4 => VME12B BN-WH 0.75 2TCD + VME12F BN-WH 0.75 2TCD



1 RME12F BN-BU 2TCD 0.75 + RME12B BN-BU 2TCD 0.75
2
3
4 VME12F BN-WH 2TCD 0.75 + VME12B BN-WH 2TCD 0.75

3M5T-14489-RDA

C8ME12

TO RIGHT REAR DOOR SPEAKER

HARNESS 14240

SECTION 417-01 Exterior Lighting

VEHICLE APPLICATION: 2012.0 Ranger

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ELECTRICAL SCHEMATICS

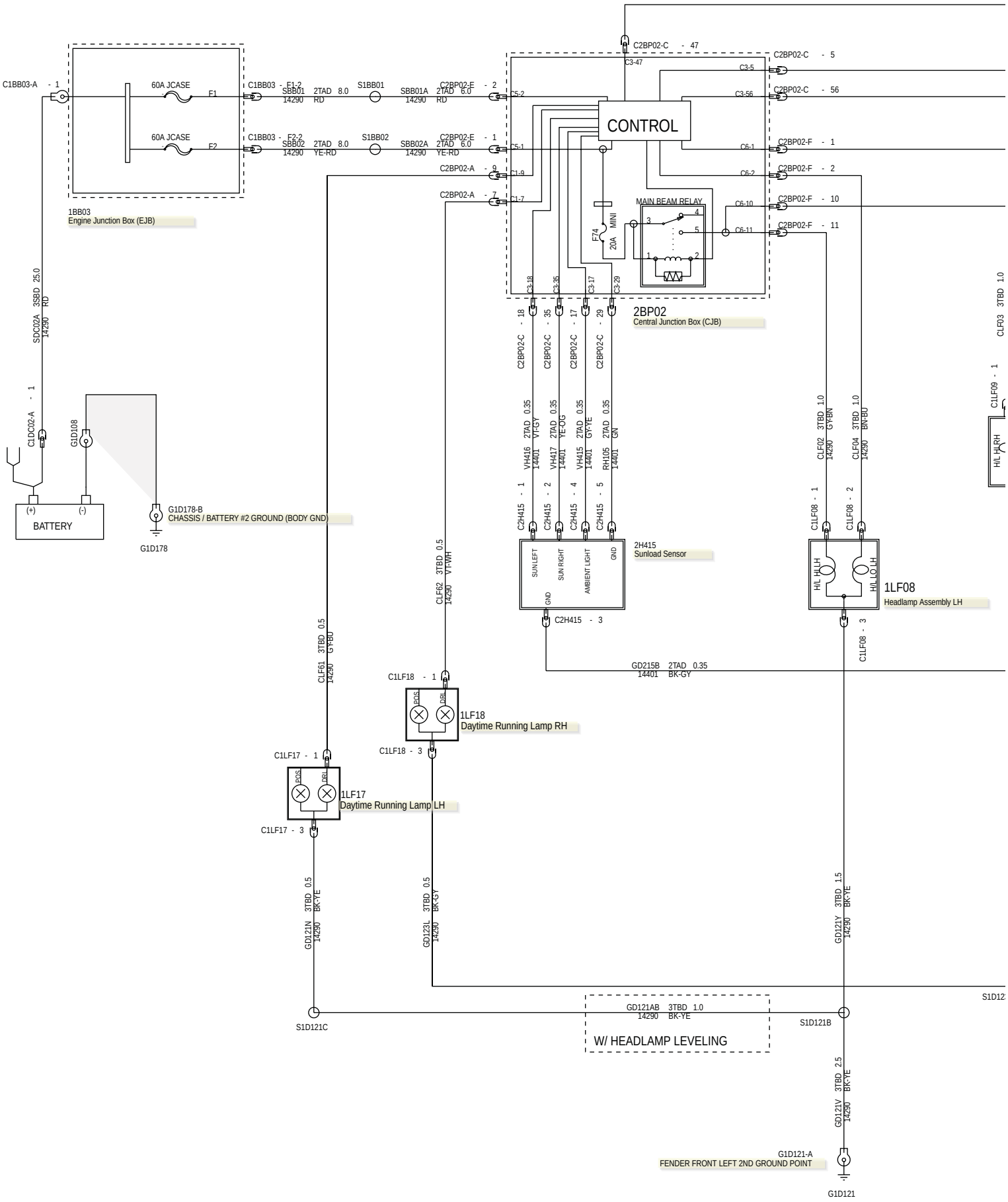
Autolamps — LHD 4WD/LHD RWD..... 417-01-3
Autolamps — RHD 4WD/RHD RWD..... 417-01-5
Headlamp Leveling..... 417-01-7
Exterior Lighting — LHD 4WD/LHD RWD..... 417-01-9
Exterior Lighting — RHD 4WD/RHD RWD..... 417-01-11
Fog Lamps — LHD 4WD/LHD RWD..... 417-01-13
Fog Lamps — RHD 4WD/RHD RWD..... 417-01-15
Trailer Socket — LHD 4WD/LHD RWD..... 417-01-17
Trailer Socket — RHD 4WD/RHD RWD..... 417-01-21
Turn Signal and Hazard Lamps — LHD 4WD/LHD RWD..... 417-01-25
Turn Signal and Hazard Lamps — RHD 4WD/RHD RWD..... 417-01-27

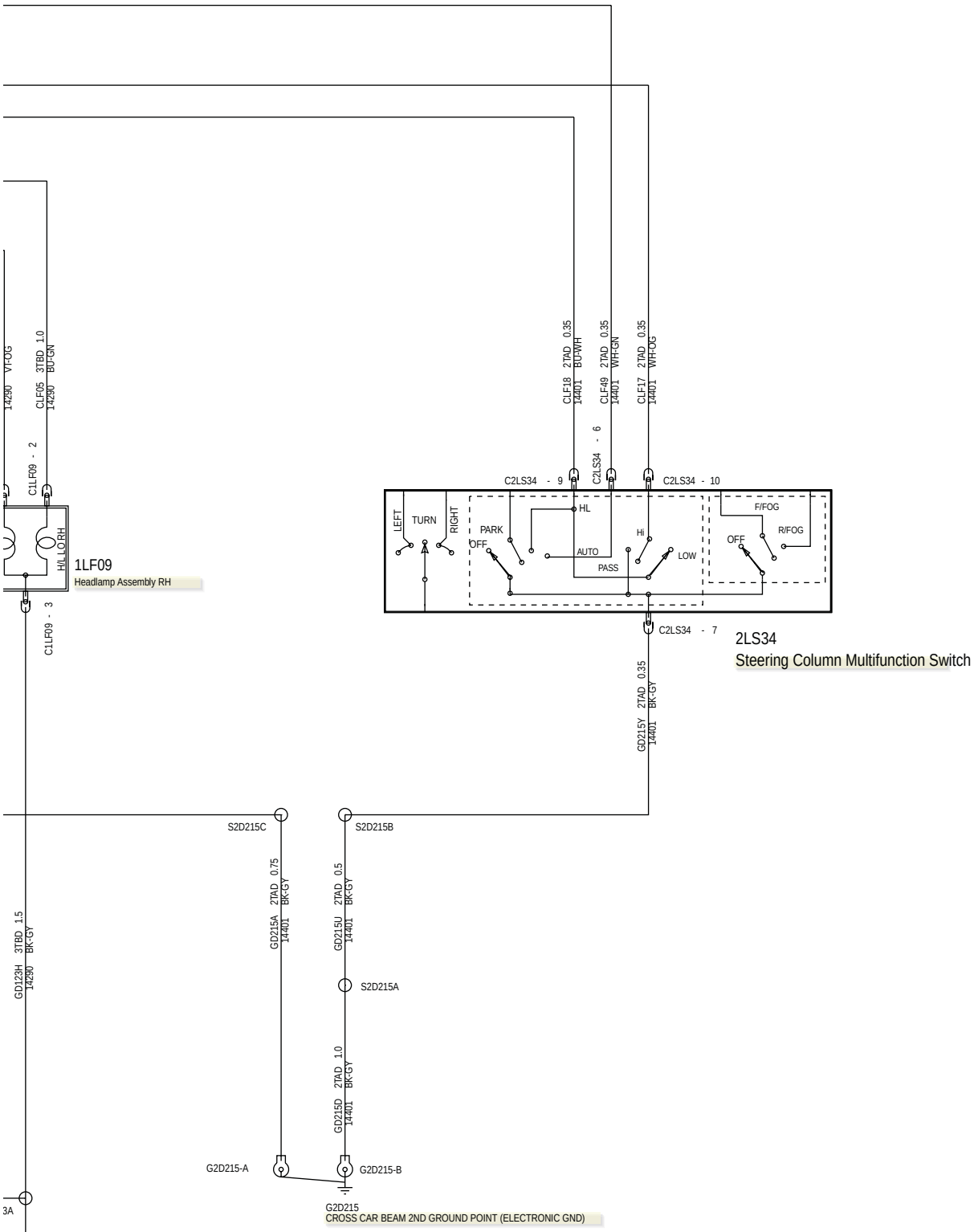
ELECTRICAL CONNECTORS

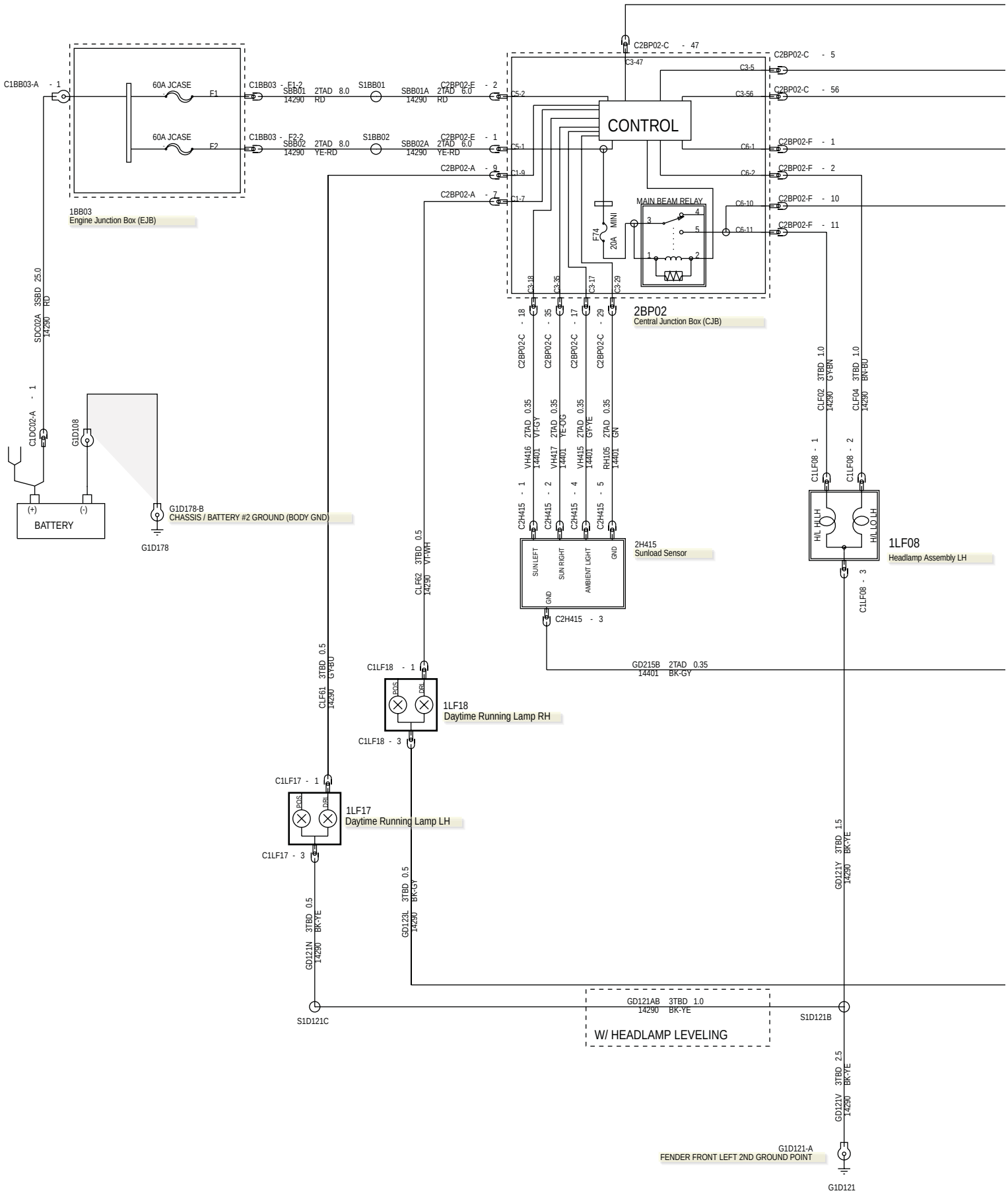
Front Fog Lamp LH..... 417-01-29
Front Fog Lamp RH..... 417-01-29
Front Side Marker Lamp LH..... 417-01-29
Front Side Marker Lamp RH..... 417-01-29
Headlamp Assembly LH..... 417-01-29
Headlamp Assembly RH..... 417-01-30
Headlamp Control Module..... 417-01-30
Headlamp Control Module — A..... 417-01-30
Headlamp Leveling Switch..... 417-01-30
High Mounted Stoplamp..... 417-01-30
High Mounted Stoplamp..... 417-01-31
License Plate Lamp..... 417-01-31
License Plate Lamp — A..... 417-01-31
Parking Lamp LH..... 417-01-31
Parking Lamp RH..... 417-01-31
Rear Lamp Assembly LH..... 417-01-32
Rear Lamp Assembly RH..... 417-01-32
Reversing Lamp Switch..... 417-01-32
Side Turn Signal Lamp LH..... 417-01-32
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Trailer Socket — A..... 417-01-33
Trailer Socket — B..... 417-01-34
Trailer Socket — C..... 417-01-34
Trailer Socket — D..... 417-01-34
Trailer Socket — E..... 417-01-34
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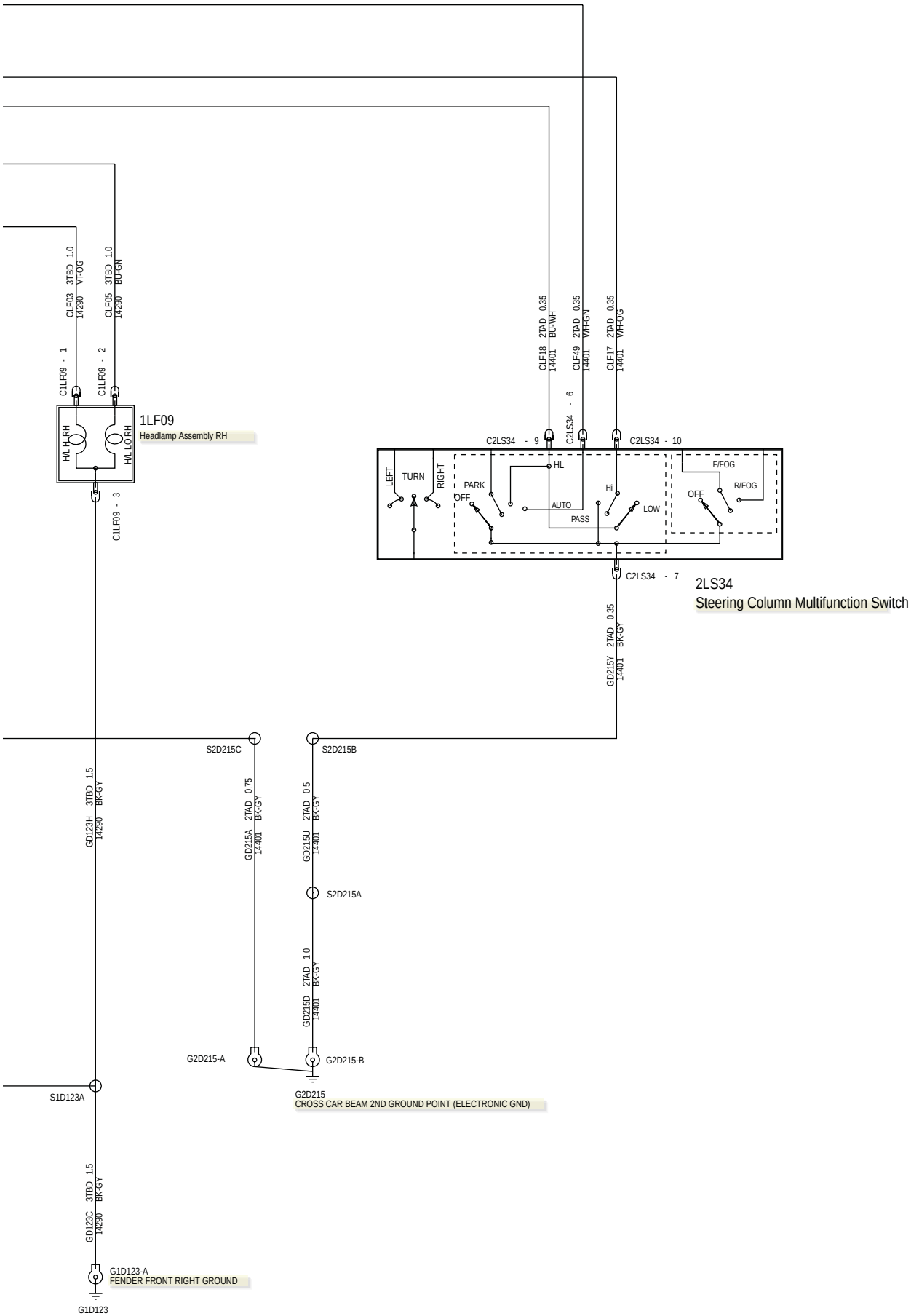
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Trailer Socket — G..... 417-01-35
Trailer Socket — H..... 417-01-35
Trailer Socket — J..... 417-01-35
Trailer Module..... 417-01-36
Trailer Module — A..... 417-01-36
Trailer Module — B..... 417-01-36

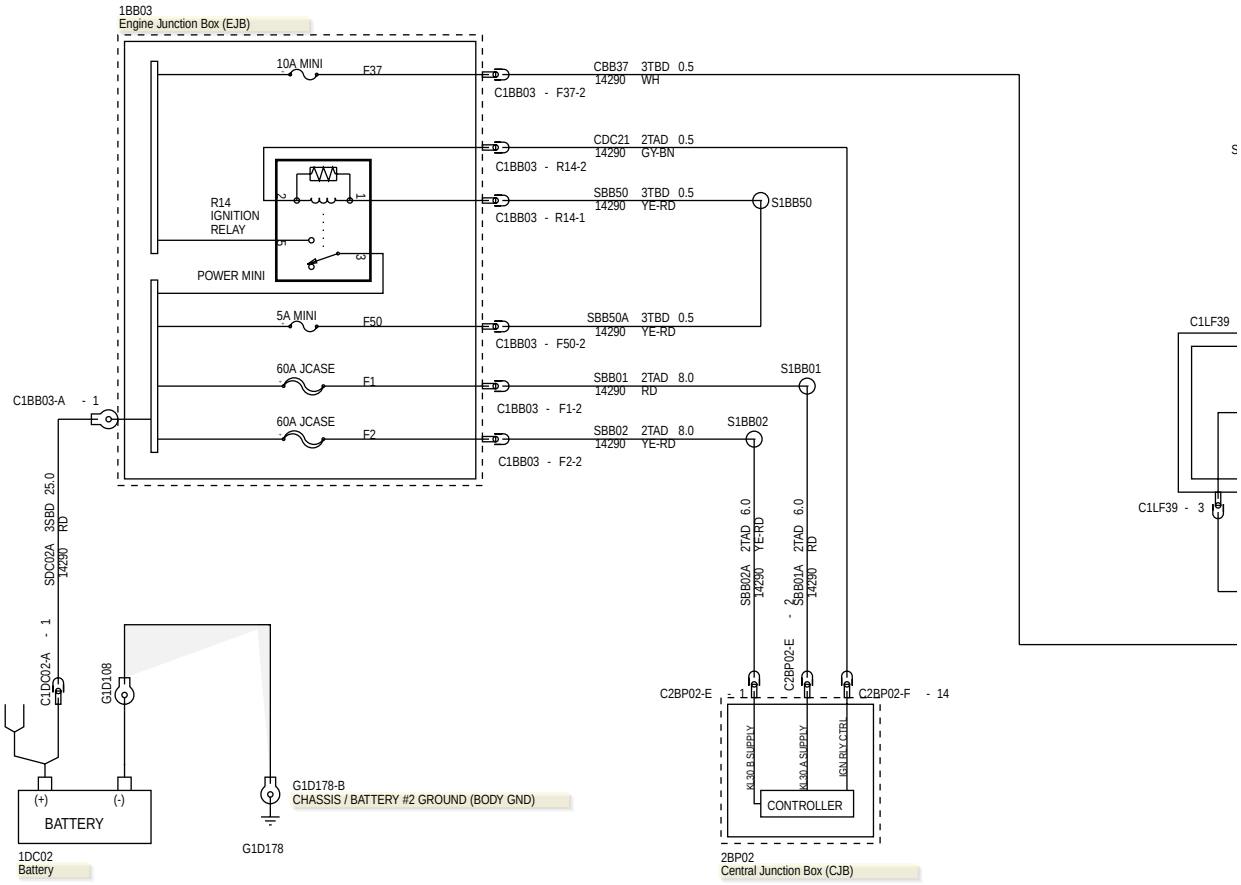

CONTROL
MAIN BEAM RELAY
1BB03
Engine Junction Box (EJB)
2BP02
Central Junction Box (CJB)
2H415
Sunload Sensor
1LF08
Headlamp Assembly LH
1LF18
Daytime Running Lamp RH
1LF17
Daytime Running Lamp LH
W/ HEADLAMP LEVELING
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
60A JCASE
F74 20A MINI
SUN LEFT
SUN RIGHT
AMBIENT LIGHT
GND
H/L HI LH
H/L LO LH
POS
DRL


14290 VT-OG
CLF05 3TBD 1.0
14290 BU-GN
C1LF09 - 2
H/L LO RH
1LF09
Headlamp Assembly RH
C1LF09 - 3
CLF18 2TAD 0.35
14401 BU-WH
CLF49 2TAD 0.35
14401 WH-GN
CLF17 2TAD 0.35
14401 WH-OG
C2LS34 - 6
C2LS34 - 9
C2LS34 - 10
LEFT
TURN
RIGHT
PARK
OFF
HL
AUTO
PASS
Hi
LOW
F/FOG
R/FOG
OFF
C2LS34 - 7
2LS34
Steering Column Multifunction Switch
GD215Y 2TAD 0.35
14401 BK-GY
S2D215C
S2D215B
GD215A 2TAD 0.75
14401 BK-GY
GD215U 2TAD 0.5
14401 BK-GY
GD123H 3TBD 1.5
14290 BK-GY
S2D215A
GD215D 2TAD 1.0
14401 BK-GY
G2D215-A
G2D215-B
G2D215
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
3A
GD123C 3TBD 1.5
14290 BK-GY
G1D123-A
FENDER FRONT RIGHT GROUND
G1D123

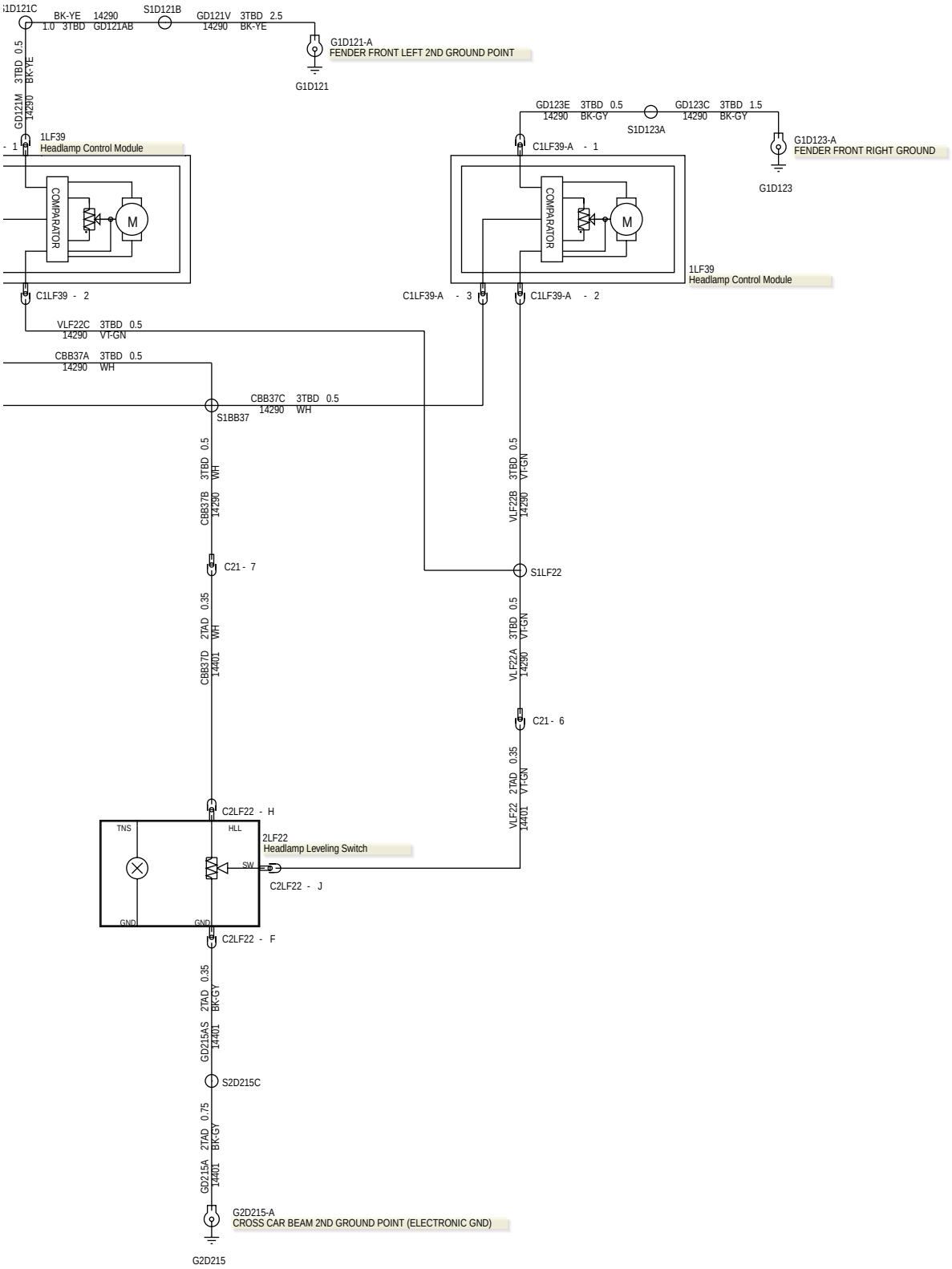

C1BB03-A - 1
60A JCASE
F1
60A JCASE
F2
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
C1BB03 - F2-2
SBB02 2TAD 8.0
14290 YE-RD
S1BB01
S1BB02
C2BP02-E - 2
SBB01A 2TAD 6.0
14290 RD
C2BP02-E - 1
SBB02A 2TAD 6.0
14290 YE-RD
1BB03
Engine Junction Box (EJB)
C2BP02-C - 47
C3-47
CONTROL
C5-2
C5-1
C2BP02-A - 9
C1-9
C2BP02-A - 7
C1-7
C3-5
C3-56
C6-1
C6-2
C6-10
C6-11
C2BP02-C - 5
C2BP02-C - 56
C2BP02-F - 1
C2BP02-F - 2
C2BP02-F - 10
C2BP02-F - 11
MAIN BEAM RELAY
F74 20A MINI
C3-18
C3-35
C3-17
C3-29
2BP02
Central Junction Box (CJB)
C2BP02-C - 18
C2BP02-C - 35
C2BP02-C - 17
C2BP02-C - 29
SDC02A 3SBD 25.0 RD
14290
C1DC02-A - 1
G1D108
BATTERY
(+)
(-)
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
VH416 2TAD 0.35 VI-GY
14401
VH417 2TAD 0.35 YE-OG
14401
VH415 2TAD 0.35 GY-YE
14401
RH105 2TAD 0.35 GN
14401
C2H415 - 1
C2H415 - 2
C2H415 - 4
C2H415 - 5
SUN LEFT
SUN RIGHT
AMBIENT LIGHT
GND
2H415
Sunload Sensor
C2H415 - 3
CLF02 3TBD 1.0 GY-BN
14290
CLF04 3TBD 1.0 BN-BU
14290
C1LF08 - 1
C1LF08 - 2
H/L HI LH
H/L LO LH
1LF08
Headlamp Assembly LH
C1LF08 - 3
GD215B 2TAD 0.35
14401 BK-GY
CLF62 3TBD 0.5 VI-WH
14290
CLF61 3TBD 0.5 GY-BU
14290
C1LF18 - 1
POS
DRL
1LF18
Daytime Running Lamp RH
C1LF18 - 3
C1LF17 - 1
1LF17
Daytime Running Lamp LH
C1LF17 - 3
GD123L 3TBD 0.5 BK-GY
14290
GD121N 3TBD 0.5 BK-YE
14290
GD121Y 3TBD 1.5 BK-YE
14290
S1D121C
GD121AB 3TBD 1.0
14290 BK-YE
W/ HEADLAMP LEVELING
S1D121B
GD121V 3TBD 2.5 BK-YE
14290
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121


CLF03 3TBD 1.0 14290 VT-OG
CLF05 3TBD 1.0 14290 BU-GN
C1LF09 - 1
C1LF09 - 2
1LF09
Headlamp Assembly RH
H/L HI RH
H/L LO RH
C1LF09 - 3
CLF18 2TAD 0.35 14401 BU-WH
CLF49 2TAD 0.35 14401 WH-GN
CLF17 2TAD 0.35 14401 WH-OG
C2LS34 - 6
C2LS34 - 9
C2LS34 - 10
C2LS34 - 7
LEFT
TURN
RIGHT
PARK
OFF
HL
AUTO
PASS
Hi
LOW
F/FOG
R/FOG
OFF
2LS34
Steering Column Multifunction Switch
GD215Y 2TAD 0.35 14401 BK-GY
S2D215C
S2D215B
GD123H 3TBD 1.5 14290 BK-GY
GD215A 2TAD 0.75 14401 BK-GY
GD215U 2TAD 0.5 14401 BK-GY
S2D215A
GD215D 2TAD 1.0 14401 BK-GY
G2D215-A
G2D215-B
G2D215
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
S1D123A
GD123C 3TBD 1.5 14290 BK-GY
G1D123-A
FENDER FRONT RIGHT GROUND
G1D123

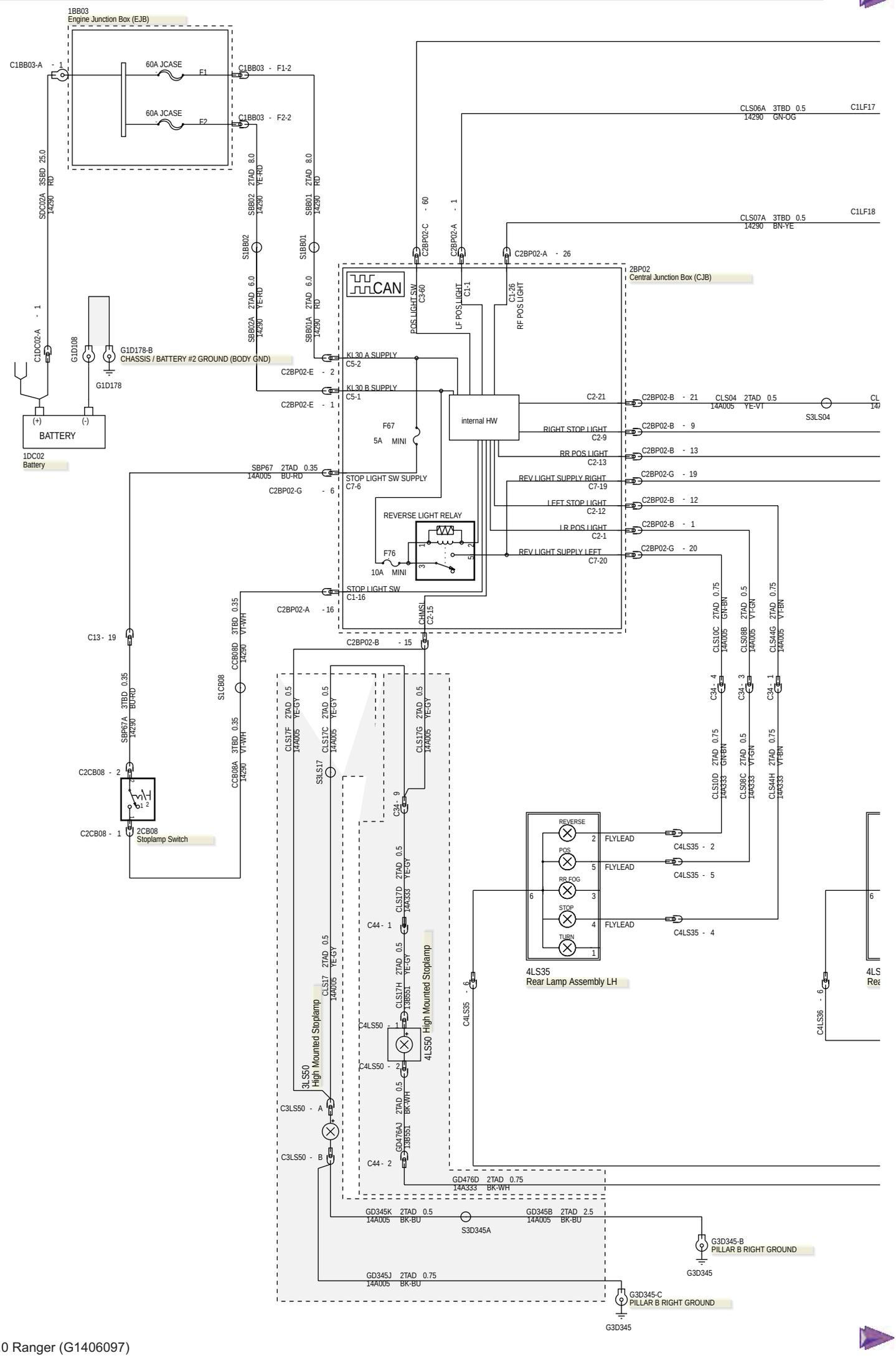
417-01-7 Headlamp Leveling

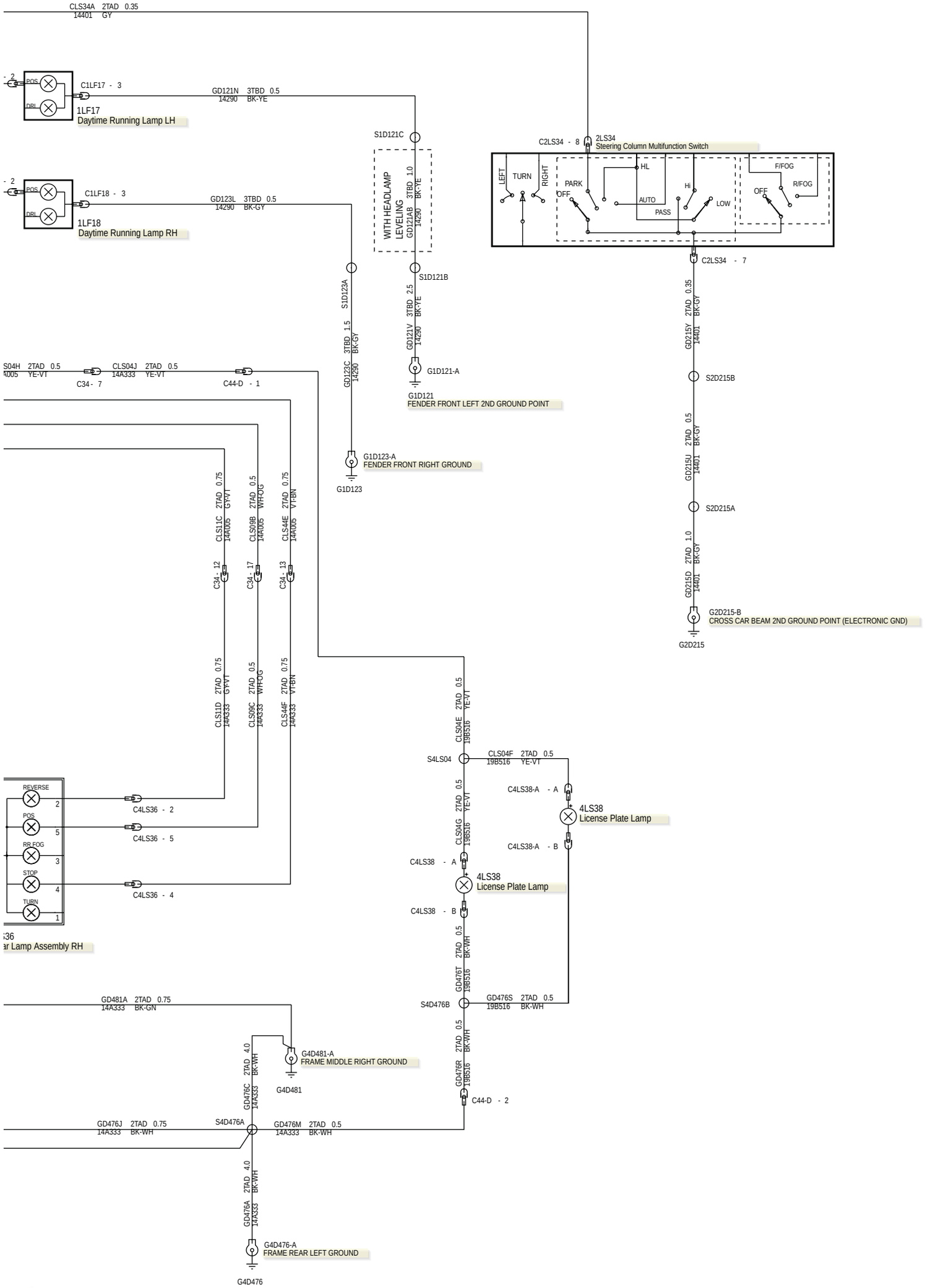


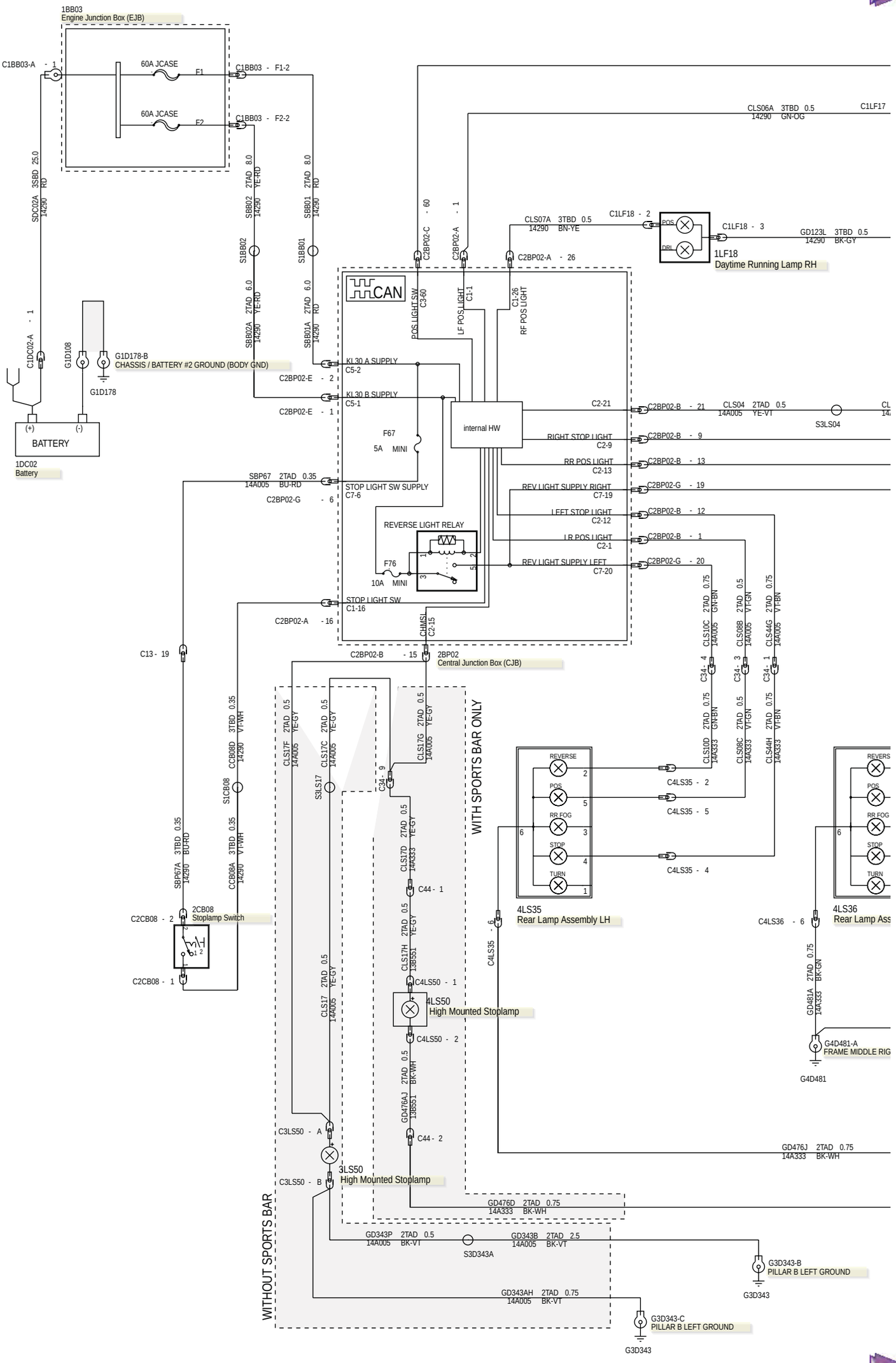
417-01-8 Headlamp Leveling

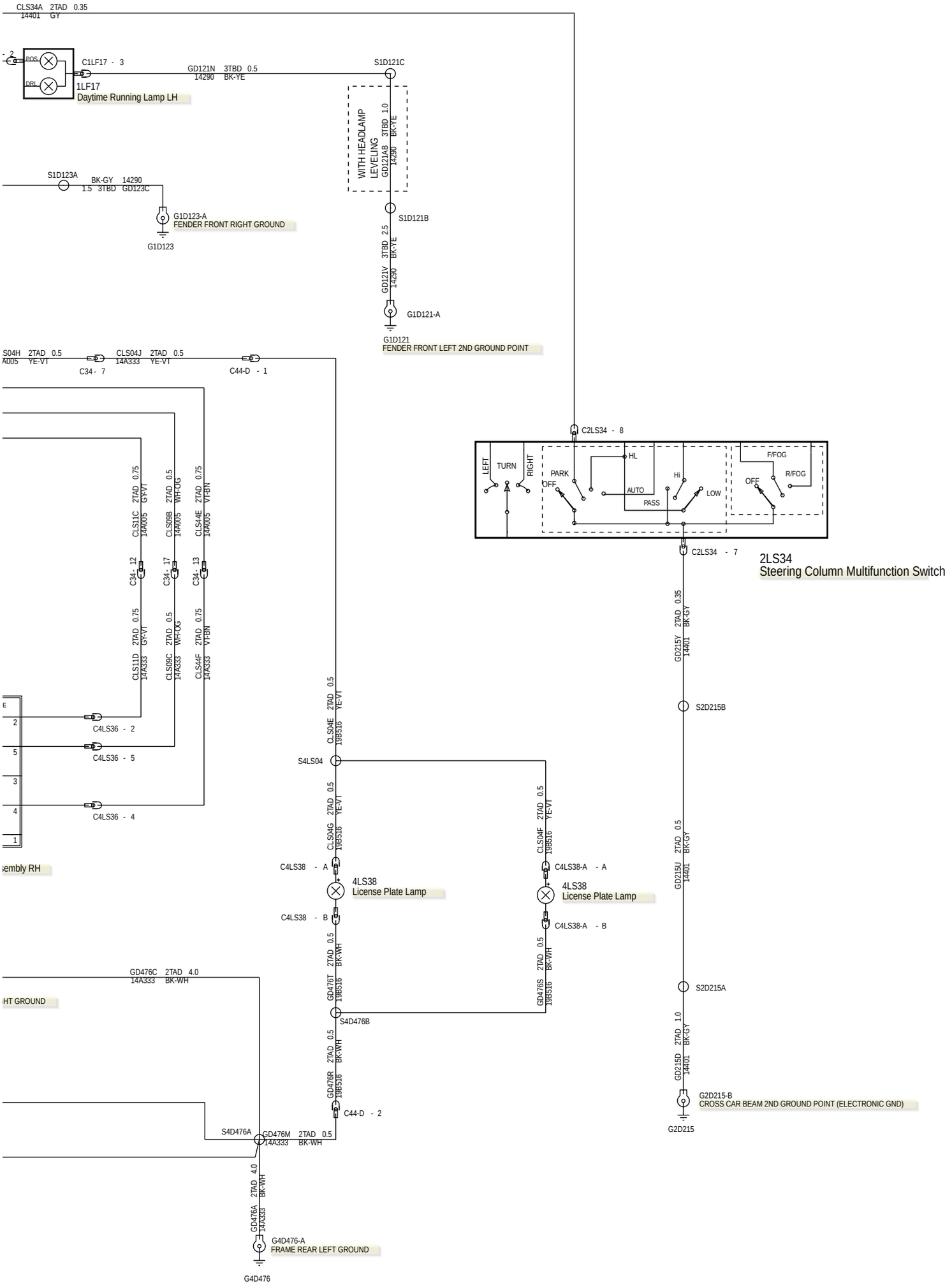


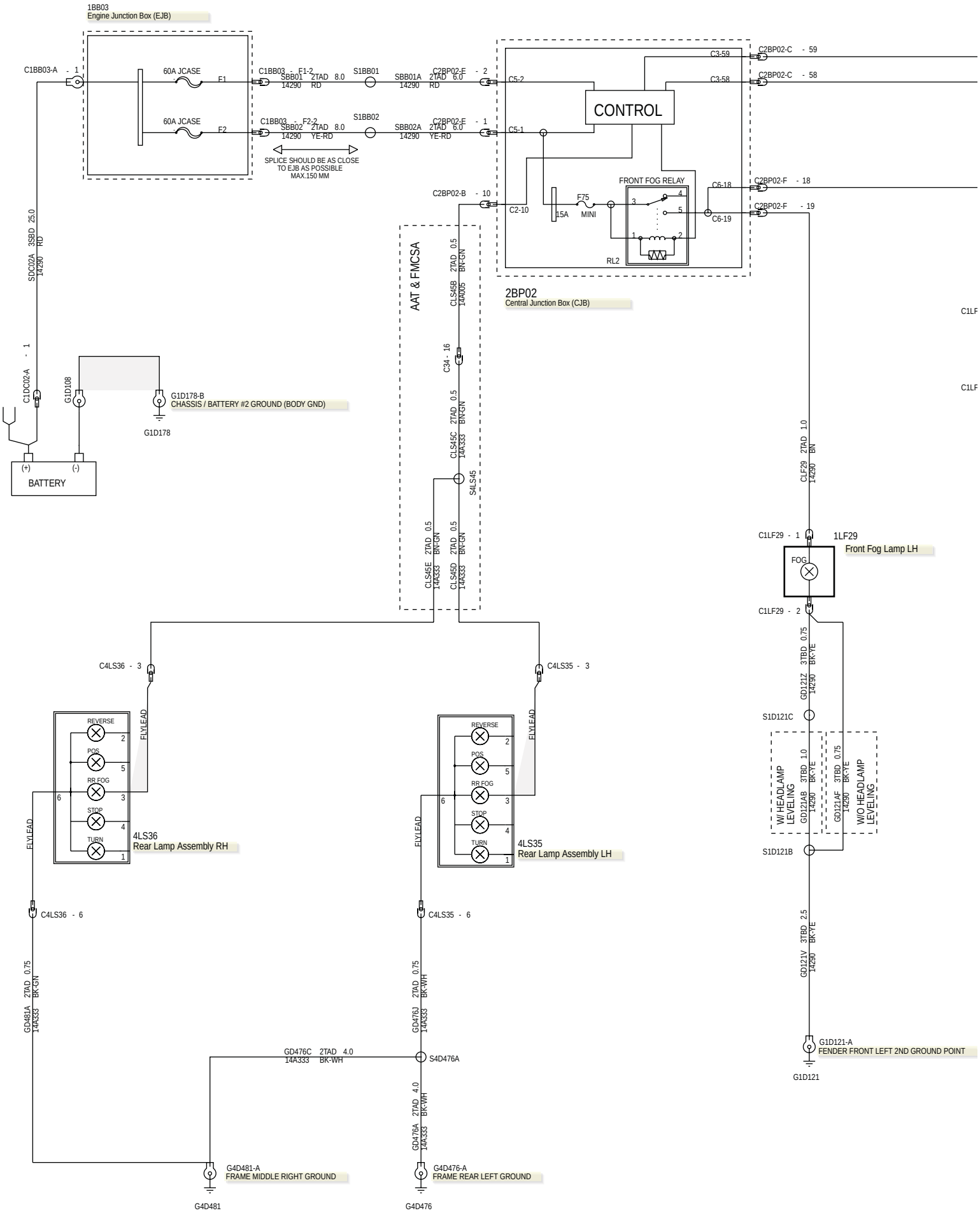
417-01-9 Exterior Lighting—LHD 4WD/LHD RWD

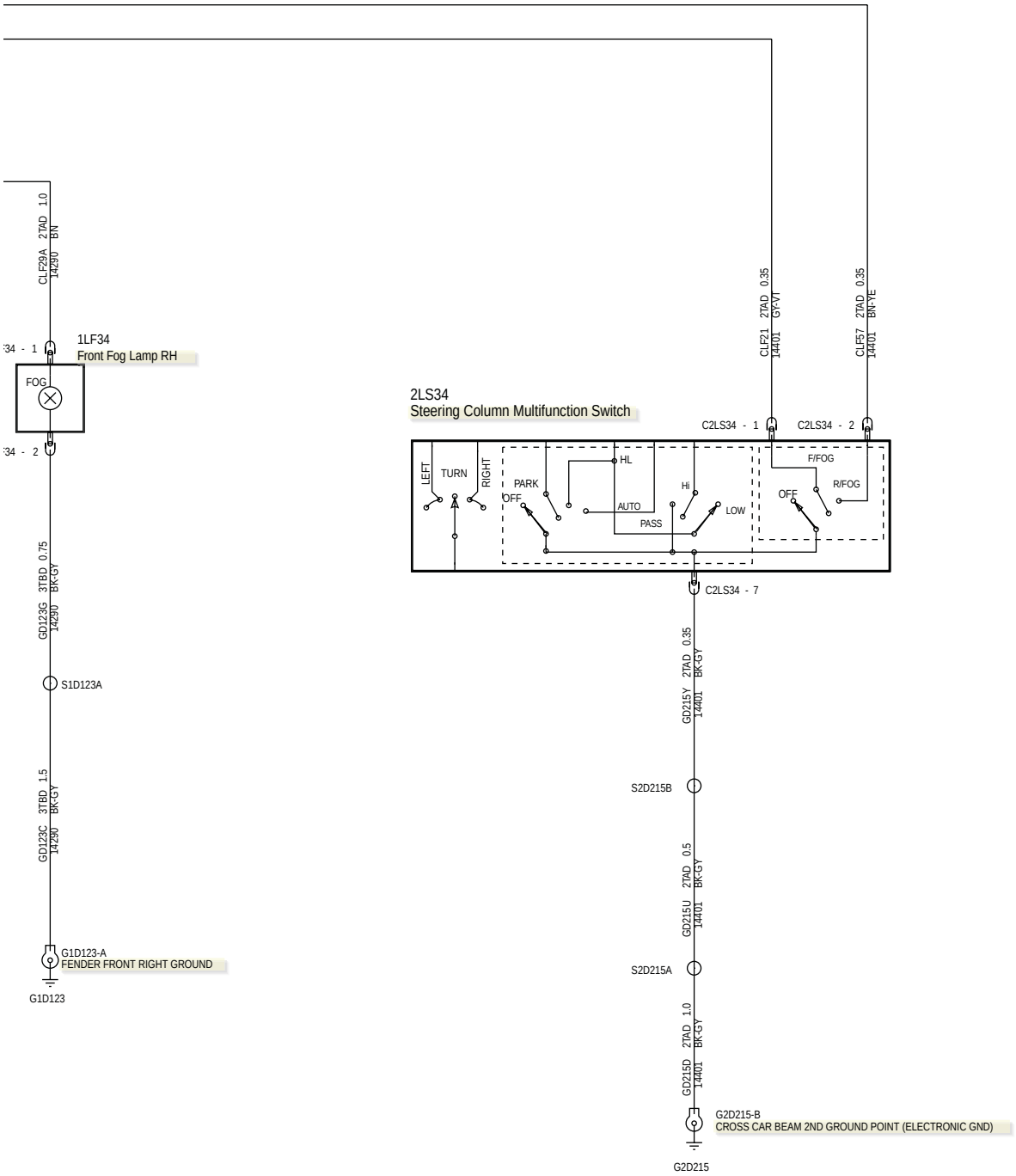


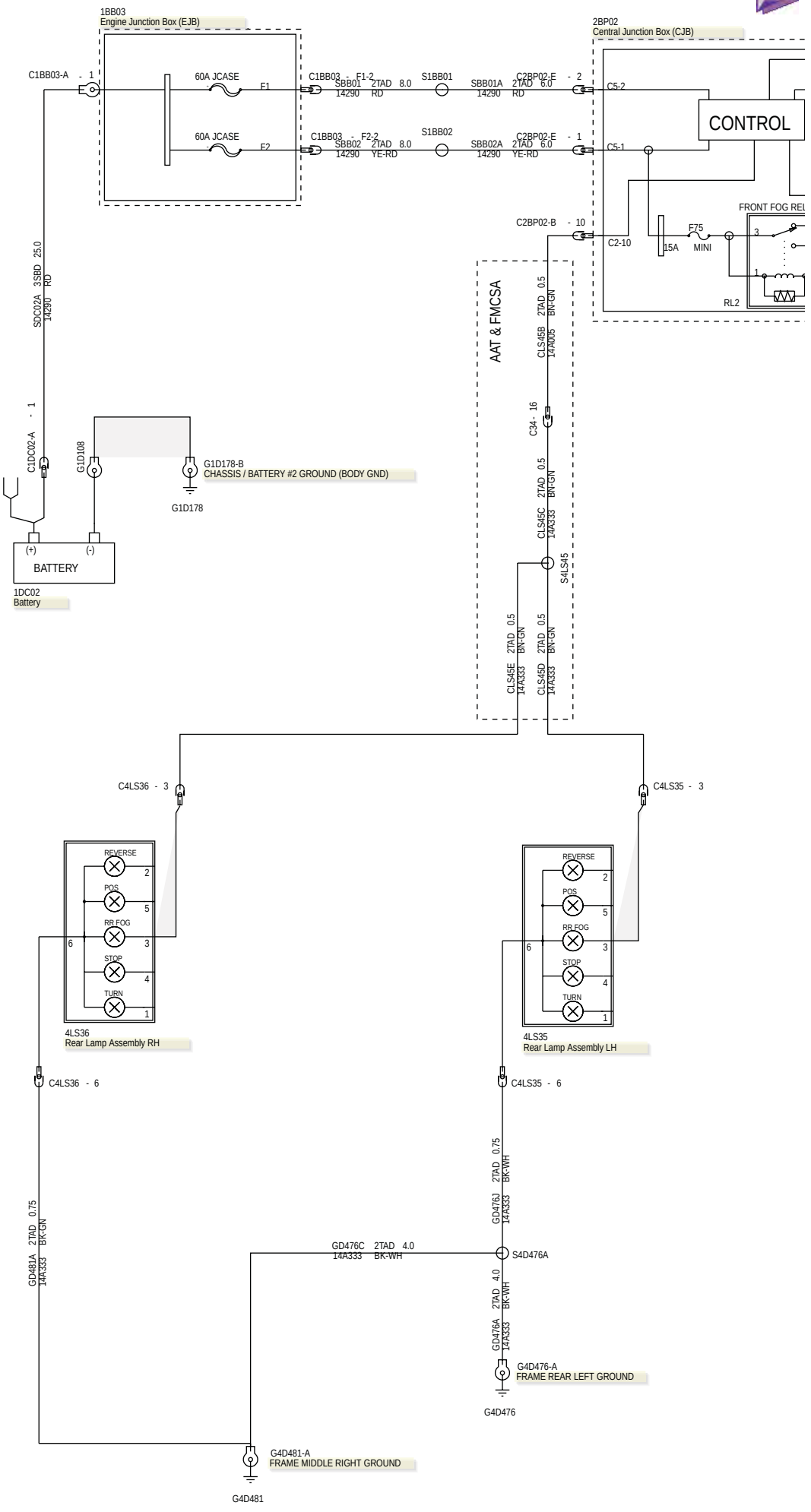

CLS34A 2TAD 0.35
14401 GY
C1LF17 - 3
GD121N 3TBD 0.5
14290 BK-YE
1LF17
Daytime Running Lamp LH
C1LF18 - 3
GD123L 3TBD 0.5
14290 BK-GY
1LF18
Daytime Running Lamp RH
S1D121C
WITH HEADLAMP LEVELING
GD121AB 3TBD 1.0 BK-YE
14290
S1D121B
GD121V 3TBD 2.5 BK-YE
14290
S1D123A
GD123C 3TBD 1.5 BK-GY
14290
G1D121-A
G1D121
FENDER FRONT LEFT 2ND GROUND POINT
G1D123-A
FENDER FRONT RIGHT GROUND
G1D123
C2LS34 - 8
2LS34
Steering Column Multifunction Switch
LEFT
TURN
RIGHT
PARK
OFF
HL
AUTO
PASS
Hi
LOW
F/FOG
R/FOG
OFF
C2LS34 - 7
GD215Y 2TAD 0.35 BK-GY
14401
S2D215B
GD215U 2TAD 0.5 BK-GY
14401
S2D215A
GD215D 2TAD 1.0 BK-GY
14401
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
S04H 2TAD 0.5
4005 YE-VT
C34 - 7
CLS04J 2TAD 0.5
14A333 YE-VT
C44-D - 1
CLS11C 2TAD 0.75 GY-VT
14A005
CLS09B 2TAD 0.5 WH-OG
14A005
CLS44E 2TAD 0.75 VT-BN
14A005
C34 - 12
C34 - 17
C34 - 13
CLS11D 2TAD 0.75 GY-VT
14A333
CLS09C 2TAD 0.5 WH-OG
14A333
CLS44F 2TAD 0.75 VT-BN
14A333
CLS04E 2TAD 0.5 YE-VT
19B516
S4LS04
CLS04F 2TAD 0.5
19B516 YE-VT
C4LS38-A - A
4LS38
License Plate Lamp
CLS04G 2TAD 0.5 YE-VT
19B516
C4LS38-A - B
C4LS38 - A
4LS38
License Plate Lamp
C4LS38 - B
GD476T 2TAD 0.5 BK-WH
19B516
S4D476B
GD476S 2TAD 0.5
19B516 BK-WH
GD476R 2TAD 0.5 BK-WH
19B516
C44-D - 2
REVERSE
POS
RR FOG
STOP
TURN
C4LS36 - 2
C4LS36 - 5
C4LS36 - 4
ar Lamp Assembly RH
GD481A 2TAD 0.75
14A333 BK-GN
G4D481-A
FRAME MIDDLE RIGHT GROUND
G4D481
GD476C 2TAD 4.0 BK-WH
14A333
GD476J 2TAD 0.75
14A333 BK-WH
S4D476A
GD476M 2TAD 0.5
14A333 BK-WH
GD476A 2TAD 4.0 BK-WH
14A333
G4D476-A
FRAME REAR LEFT GROUND
G4D476

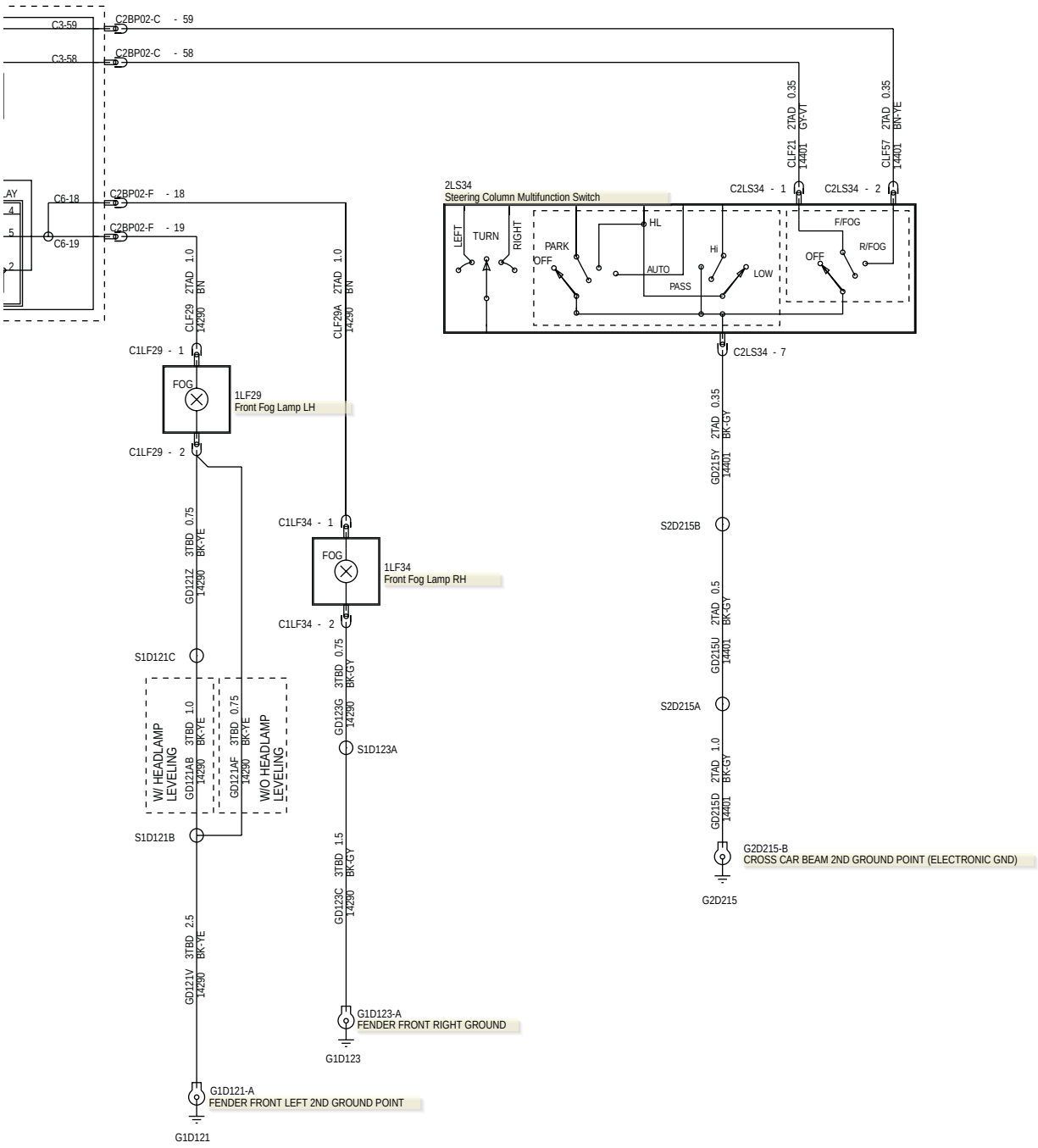

1BB03
Engine Junction Box (EJB)
60A JCASE
F1
F2
C1BB03 - F1-2
C1BB03 - F2-2
C1BB03-A - 1
SDC02A 3SBD 25.0 14290 RD
SBB02 2TAD 8.0 14290 YE-RD
SBB01 2TAD 8.0 14290 RD
SBB02 2TAD 6.0 14290 YE-RD
SBB01A 2TAD 6.0 14290 RD
S1BB02
S1BB01
C1DC02-A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
(+)
(-)
BATTERY
1DC02
Battery
CAN
POS LIGHT SW C3-60
LF POS LIGHT C1-1
RF POS LIGHT C1-26
C2BP02-C - 60
C2BP02-A - 1
C2BP02-A - 26
CLS06A 3TBD 0.5 14290 GN-OG
C1LF17
CLS07A 3TBD 0.5 14290 BN-YE
C1LF18 - 2
C1LF18 - 3
POS
DRL
GD123L 3TBD 0.5 14290 BK-GY
1LF18
Daytime Running Lamp RH
KL30 A SUPPLY C5-2
C2BP02-E - 2
KL30 B SUPPLY C5-1
C2BP02-E - 1
F67
5A MINI
internal HW
C2-21
C2BP02-B - 21
CLS04 2TAD 0.5 14A005 YE-VT
S3LS04
RIGHT STOP LIGHT C2-9
C2BP02-B - 9
RR POS LIGHT C2-13
C2BP02-B - 13
REV LIGHT SUPPLY RIGHT C7-19
C2BP02-G - 19
LEFT STOP LIGHT C2-12
C2BP02-B - 12
LR POS LIGHT C2-1
C2BP02-B - 1
REV LIGHT SUPPLY LEFT C7-20
C2BP02-G - 20
SBP67 2TAD 0.35 14A005 BU-RD
STOP LIGHT SW SUPPLY C7-6
C2BP02-G - 6
REVERSE LIGHT RELAY
F76
10A MINI
STOP LIGHT SW C1-16
C2BP02-A - 16
CHMSL C2-15
C13 - 19
C2BP02-B - 15
2BP02
Central Junction Box (CJB)
CLS10C 2TAD 0.75 14A005 GN-BN
CLS08B 2TAD 0.5 14A005 VT-GN
CLS44G 2TAD 0.75 14A005 VT-BN
C34 - 4
C34 - 3
C34 - 1
CLS10D 2TAD 0.75 14A333 GN-BN
CLS08C 2TAD 0.5 14A333 VT-GN
CLS44H 2TAD 0.75 14A333 VT-BN
CCB08D 3TBD 0.35 14290 VT-WH
CCB08A 3TBD 0.35 14290 VT-WH
SBP67A 3TBD 0.35 14290 BU-RD
S1CB08
CLS17F 2TAD 0.5 14A005 YE-GY
CLS17C 2TAD 0.5 14A005 YE-GY
CLS17G 2TAD 0.5 14A005 YE-GY
S3LS17
C34 - 9
WITH SPORTS BAR ONLY
CLS17D 2TAD 0.5 14A333 YE-GY
C44 - 1
C2CB08 - 2
2CB08
Stoplamp Switch
C2CB08 - 1
CLS17H 2TAD 0.5 13B551 YE-GY
C4LS50 - 1
4LS50
High Mounted Stoplamp
C4LS50 - 2
GD476AJ 2TAD 0.5 13B551 BK-WH
C44 - 2
C3LS50 - A
C3LS50 - B
3LS50
High Mounted Stoplamp
WITHOUT SPORTS BAR
REVERSE
POS
RR FOG
STOP
TURN
C4LS35 - 2
C4LS35 - 5
C4LS35 - 4
C4LS35 - 6
4LS35
Rear Lamp Assembly LH
C4LS36 - 6
4LS36
Rear Lamp Ass
GD481A 2TAD 0.75 14A333 BK-GN
G4D481-A
FRAME MIDDLE RIG
G4D481
GD476J 2TAD 0.75 14A333 BK-WH
GD476D 2TAD 0.75 14A333 BK-WH
GD343P 2TAD 0.5 14A005 BK-VT
S3D343A
GD343B 2TAD 2.5 14A005 BK-VT
G3D343-B
PILLAR B LEFT GROUND
G3D343
GD343AH 2TAD 0.75 14A005 BK-VT
G3D343-C
PILLAR B LEFT GROUND
G3D343


CLS34A 2TAD 0.35
14401 GY
C1LF17 - 3
GD121N 3TBD 0.5
14290 BK-YE
S1D121C
1LF17
Daytime Running Lamp LH
WITH HEADLAMP LEVELING
GD121AB 3TBD 1.0
14290 BK-YE
S1D123A
BK-GY 14290
1.5 3TBD GD123C
G1D123-A
FENDER FRONT RIGHT GROUND
G1D123
S1D121B
3TBD 2.5
BK-YE
GD121V
14290
G1D121-A
G1D121
FENDER FRONT LEFT 2ND GROUND POINT
S04H 2TAD 0.5
A005 YE-VT
C34 - 7
CLS04J 2TAD 0.5
14A333 YE-VT
C44-D - 1
C2LS34 - 8
LEFT
TURN
RIGHT
PARK
OFF
HL
AUTO
PASS
Hi
LOW
F/FOG
R/FOG
OFF
C2LS34 - 7
2LS34
Steering Column Multifunction Switch
CLS11C 2TAD 0.75
14A005 GY-VI
CLS09B 2TAD 0.5
14A005 WH-OG
CLS44E 2TAD 0.75
14A005 VI-BN
C34 - 12
C34 - 17
C34 - 13
CLS11D 2TAD 0.75
14A333 GY-VI
CLS09C 2TAD 0.5
14A333 WH-OG
CLS44F 2TAD 0.75
14A333 VI-BN
C4LS36 - 2
C4LS36 - 5
C4LS36 - 4
CLS04E 2TAD 0.5
19B516 YE-VI
S4LS04
CLS04G 2TAD 0.5
19B516 YE-VI
CLS04F 2TAD 0.5
19B516 YE-VI
C4LS38 - A
4LS38
License Plate Lamp
C4LS38 - B
C4LS38-A - A
4LS38
License Plate Lamp
C4LS38-A - B
GD215Y 2TAD 0.35
14401 BK-GY
S2D215B
GD215U 2TAD 0.5
14401 BK-GY
GD476C 2TAD 4.0
14A333 BK-WH
GD476T 2TAD 0.5
19B516 BK-WH
GD476S 2TAD 0.5
19B516 BK-WH
S4D476B
S2D215A
GD215D 2TAD 1.0
14401 BK-GY
GD476R 2TAD 0.5
19B516 BK-WH
C44-D - 2
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
S4D476A
GD476M 2TAD 0.5
14A333 BK-WH
GD476A 2TAD 4.0
14A333 BK-WH
G4D476-A
FRAME REAR LEFT GROUND
G4D476


1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
60A JCASE
F1
60A JCASE
F2
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
C1BB03 - F2-2
SBB02 2TAD 8.0
14290 YE-RD
S1BB01
S1BB02
SBB01A 2TAD 6.0
14290 RD
SBB02A 2TAD 6.0
14290 YE-RD
C2BP02-E - 2
C2BP02-E - 1
SPLICE SHOULD BE AS CLOSE
TO EJB AS POSSIBLE
MAX.150 MM
CONTROL
C5-2
C5-1
C3-59
C3-58
C2BP02-C - 59
C2BP02-C - 58
FRONT FOG RELAY
F75
15A MINI
RL2
C6-18
C6-19
C2BP02-F - 18
C2BP02-F - 19
C2BP02-B - 10
C2-10
2BP02
Central Junction Box (CJB)
AAT & FMCSA
C34 - 16
CLS45B 2TAD 0.5 BN-GN 14A005
CLS45C 2TAD 0.5 BN-GN 14A333
CLS45D 2TAD 0.5 BN-GN 14A333
CLS45E 2TAD 0.5 BN-GN 14A333
S4LS45
SDC02A 3SBD 25.0 RD 14290
C1DC02A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
(+)
(-)
BATTERY
CLF29 2TAD 1.0 BN 14290
C1LF29 - 1
1LF29
Front Fog Lamp LH
FOG
C1LF29 - 2
GD121Z 3TBD 0.75 BK-YE 14290
S1D121C
W/ HEADLAMP LEVELING
GD121AB 3TBD 1.0 BK-YE 14290
GD121AF 3TBD 0.75 BK-YE 14290
W/O HEADLAMP LEVELING
S1D121B
GD121V 3TBD 2.5 BK-YE 14290
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
C4LS36 - 3
C4LS35 - 3
REVERSE
POS
RR FOG
STOP
TURN
FLYLEAD
4LS36
Rear Lamp Assembly RH
4LS35
Rear Lamp Assembly LH
C4LS36 - 6
C4LS35 - 6
GD481A 2TAD 0.75 BK-GN 14A333
GD476J 2TAD 0.75 BK-WH 14A333
GD476C 2TAD 4.0 BK-WH 14A333
S4D476A
GD476A 2TAD 4.0 BK-WH 14A333
G4D481-A
FRAME MIDDLE RIGHT GROUND
G4D481
G4D476-A
FRAME REAR LEFT GROUND
G4D476


CLF29A 2TAD 1.0 14290 BN
34 - 1
1LF34
Front Fog Lamp RH
FOG
34 - 2
GD123G 3TBD 0.75 14290 BK-GY
S1D123A
GD123C 3TBD 1.5 14290 BK-GY
G1D123-A
FENDER FRONT RIGHT GROUND
G1D123
CLF21 2TAD 0.35 14401 GY-VT
CLF57 2TAD 0.35 14401 BN-YE
2LS34
Steering Column Multifunction Switch
C2LS34 - 1
C2LS34 - 2
LEFT
TURN
RIGHT
PARK
OFF
HL
AUTO
PASS
Hi
LOW
F/FOG
OFF
R/FOG
C2LS34 - 7
GD215Y 2TAD 0.35 14401 BK-GY
S2D215B
GD215U 2TAD 0.5 14401 BK-GY
S2D215A
GD215D 2TAD 1.0 14401 BK-GY
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215

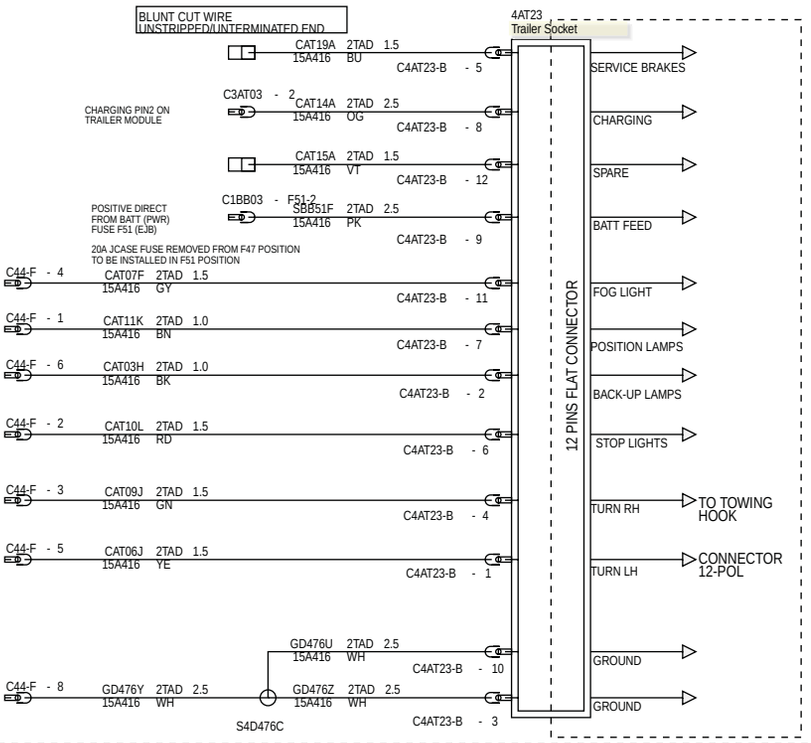

1BB03
Engine Junction Box (EJB)
2BP02
Central Junction Box (CJB)
C1BB03-A - 1
60A JCASE
F1
F2
C1BB03 - F1-2
C1BB03 - F2-2
SBB01 14290 2TAD 8.0 RD
SBB02 14290 2TAD 8.0 YE-RD
S1BB01
S1BB02
SBB01A 14290 2TAD 6.0 RD
SBB02A 14290 2TAD 6.0 YE-RD
C2BP02-E - 2
C2BP02-E - 1
C5-2
C5-1
CONTROL
FRONT FOG RELAY
C2BP02-B - 10
C2-10
F75
15A
MINI
RL2
SDC02A 14290 3SBD 25.0 RD
C1DC02-A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
(+)
(-)
BATTERY
1DC02
Battery
AAT & FMCSA
CLS45B 14A005 2TAD 0.5 BN-GN
C34 - 16
CLS45C 14A333 2TAD 0.5 BN-GN
S4LS45
CLS45E 14A333 2TAD 0.5 BN-GN
CLS45D 14A333 2TAD 0.5 BN-GN
C4LS36 - 3
C4LS35 - 3
REVERSE
POS
RR FOG
STOP
TURN
4LS36
Rear Lamp Assembly RH
4LS35
Rear Lamp Assembly LH
C4LS36 - 6
C4LS35 - 6
GD481A 14A333 2TAD 0.75 BK-GN
GD476J 14A333 2TAD 0.75 BK-WH
GD476C 14A333 2TAD 4.0 BK-WH
S4D476A
GD476A 14A333 2TAD 4.0 BK-WH
G4D476-A
FRAME REAR LEFT GROUND
G4D476
G4D481-A
FRAME MIDDLE RIGHT GROUND
G4D481


C3-59
C2BP02-C - 59
C3-58
C2BP02-C - 58
C6-18
C2BP02-F - 18
C6-19
C2BP02-F - 19
2LS34
Steering Column Multifunction Switch
C2LS34 - 1
C2LS34 - 2
C2LS34 - 7
LEFT
TURN
RIGHT
PARK
OFF
HL
AUTO
PASS
Hi
LOW
F/FOG
R/FOG
OFF
CLF21 14401 2TAD 0.35 GY-VT
CLF57 14401 2TAD 0.35 BN-YE
CLF29 14290 2TAD 1.0 BN
CLF29A 14290 2TAD 1.0 BN
C1LF29 - 1
FOG
1LF29
Front Fog Lamp LH
C1LF29 - 2
GD121Z 14290 3TBD 0.75 BK-YE
C1LF34 - 1
FOG
1LF34
Front Fog Lamp RH
C1LF34 - 2
GD123G 14290 3TBD 0.75 BK-GY
S1D121C
W/ HEADLAMP LEVELING
GD121AB 14290 3TBD 1.0 BK-YE
GD121AF 14290 3TBD 0.75 BK-YE
W/O HEADLAMP LEVELING
S1D123A
S1D121B
GD123C 14290 3TBD 1.5 BK-GY
GD121V 14290 3TBD 2.5 BK-YE
G1D123-A
FENDER FRONT RIGHT GROUND
G1D123
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
GD215Y 14401 2TAD 0.35 BK-GY
S2D215B
GD215U 14401 2TAD 0.5 BK-GY
S2D215A
GD215D 14401 2TAD 1.0 BK-GY
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215

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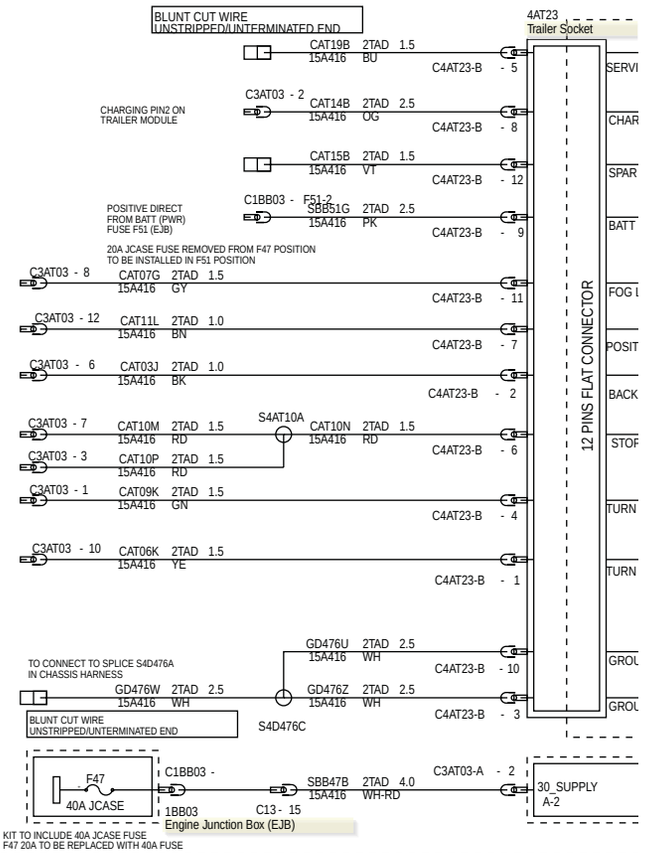
AFTERMARKET LEVEL A
(VEHICLE/HARNESS HAVE TRAILER TOW FEATURE)

KIT TO INCLUDE 40A JCASE FUSE
F47 20A TO BE REPLACED WITH 40A FUSE



AUSTRALIA & NEW ZEALAND ONLY

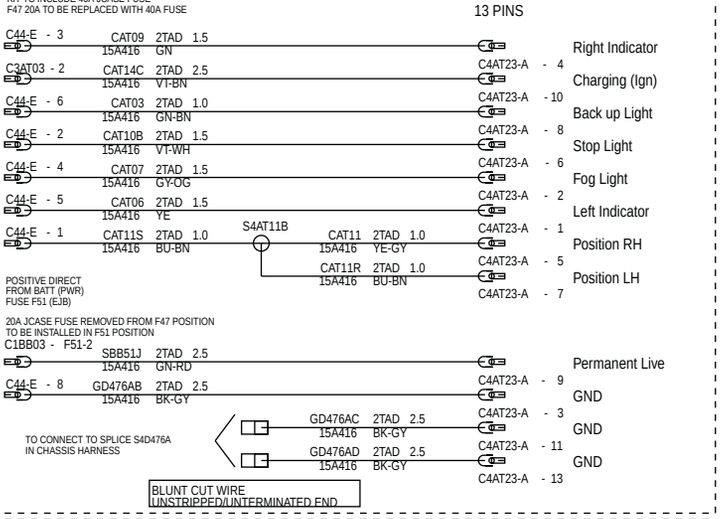
AFTERMARKET LEVEL B
(VEHICLE DON'T HAVE PRE IN
TRAILER TOW FEATURE)



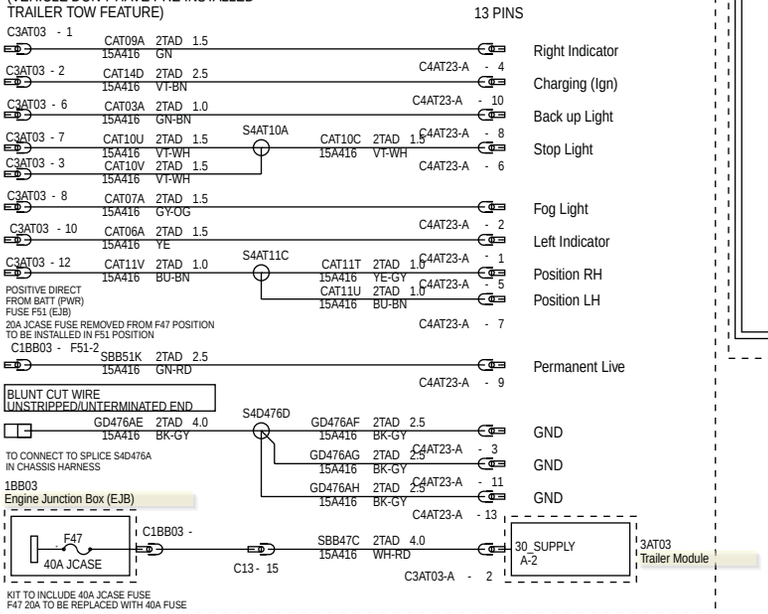
EU (EXCEPT UK ONLY)

AFTERMARKET LEVEL D
(VEHICLE/HARNESS HAVE TRAILER TOW FEATURE)

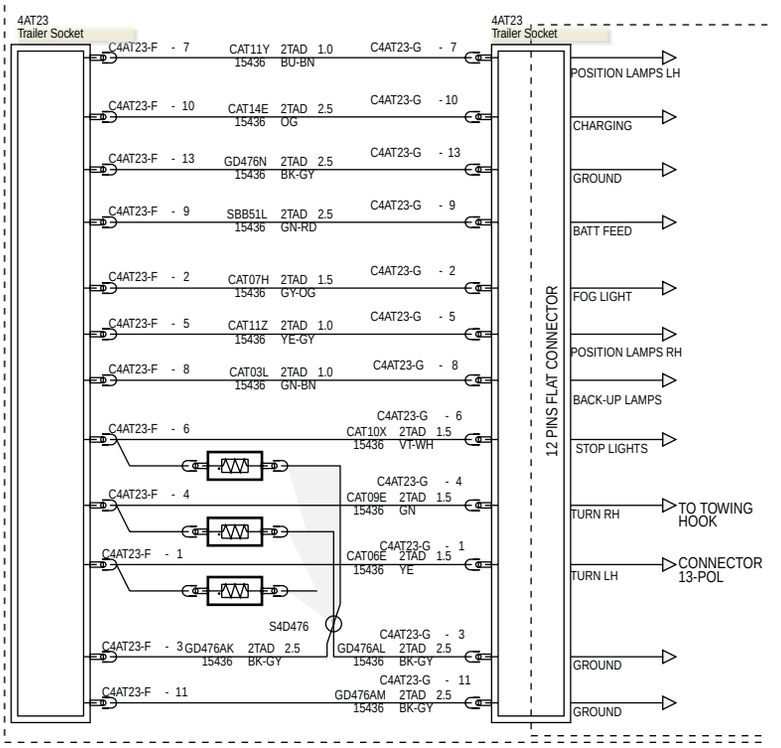
KIT TO INCLUDE 40A JCASE FUSE
F47 20A TO BE REPLACED WITH 40A FUSE

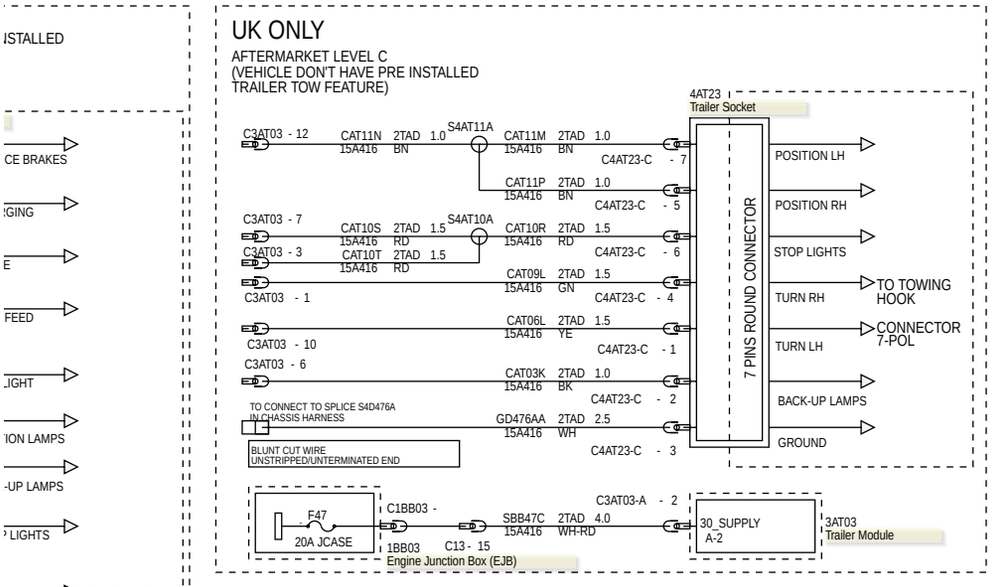


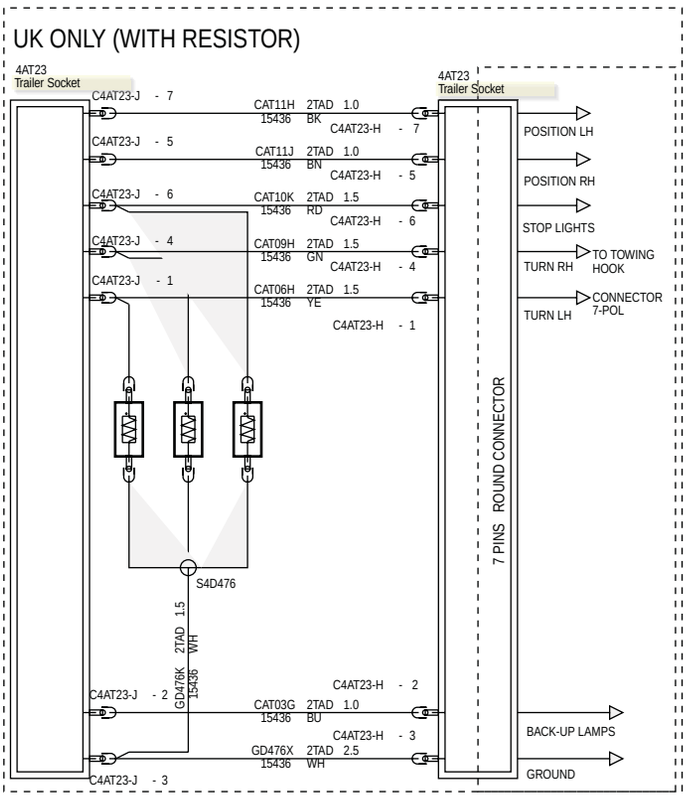
AFTERMARKET LEVEL E
(VEHICLE DON'T HAVE PRE INSTALLED
TRAILER TOW FEATURE)

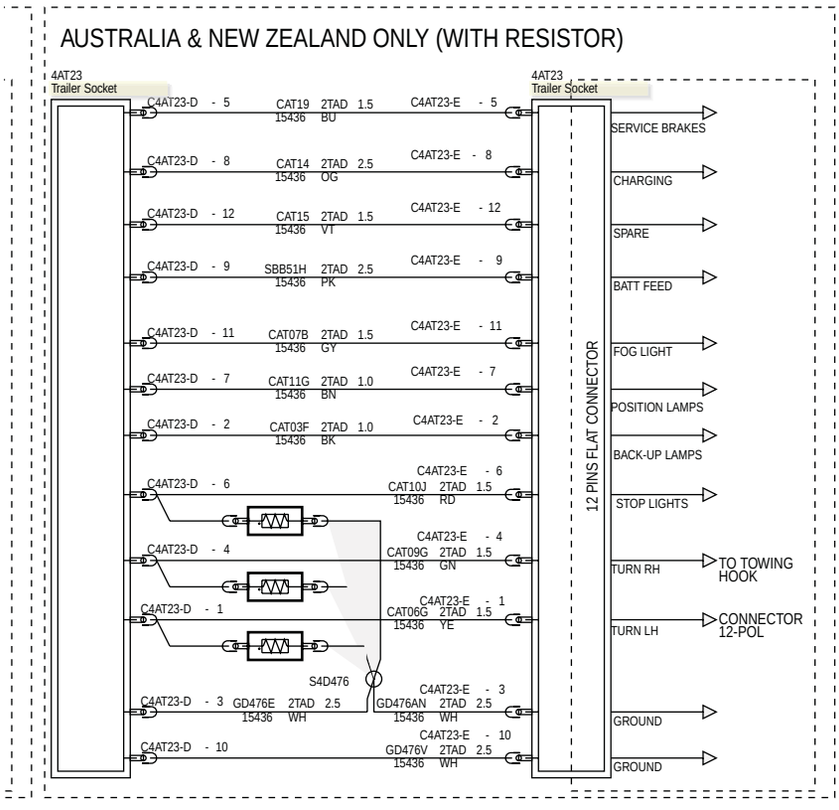


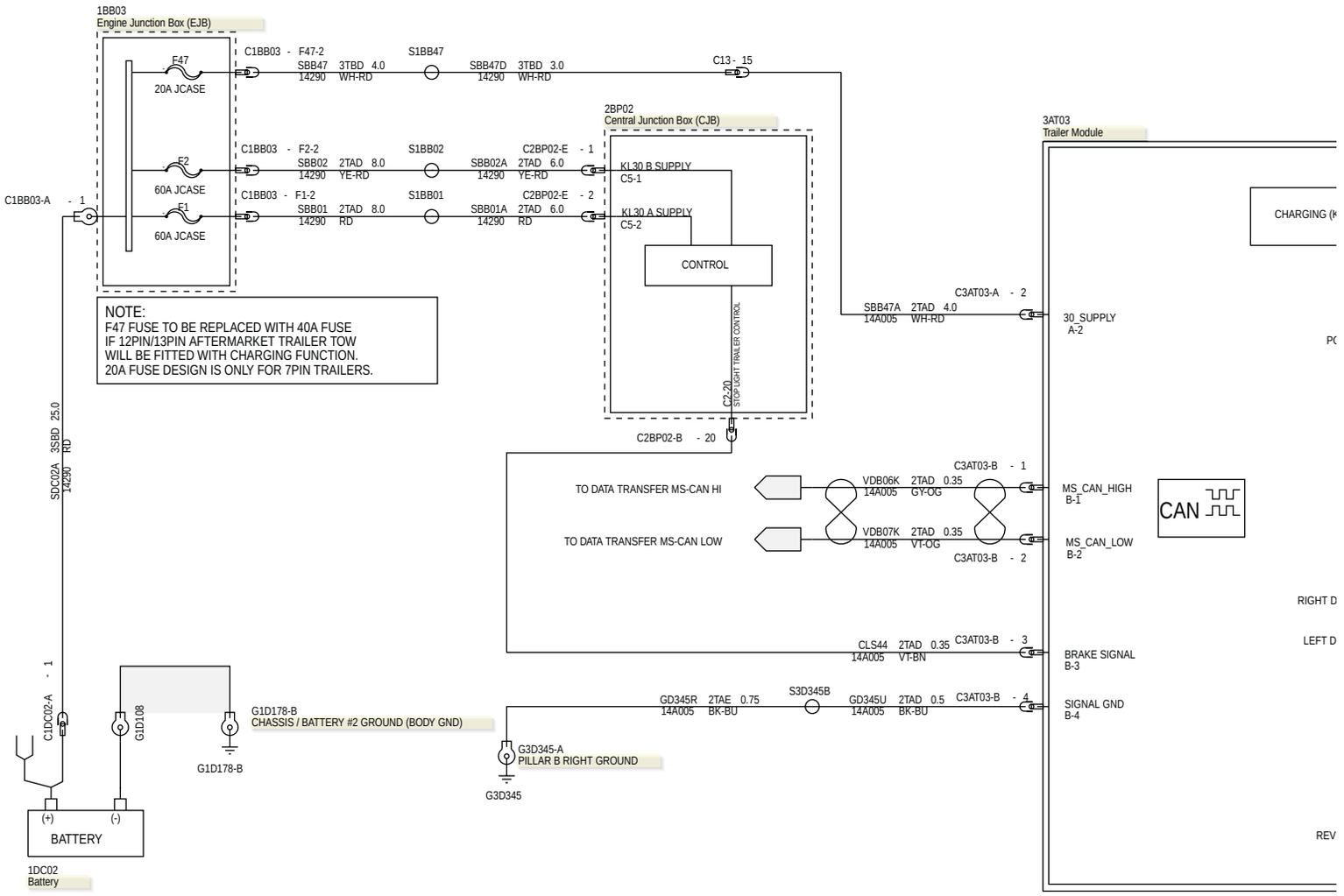
EU, EXCEPT UK ONLY (WITH RESISTOR)



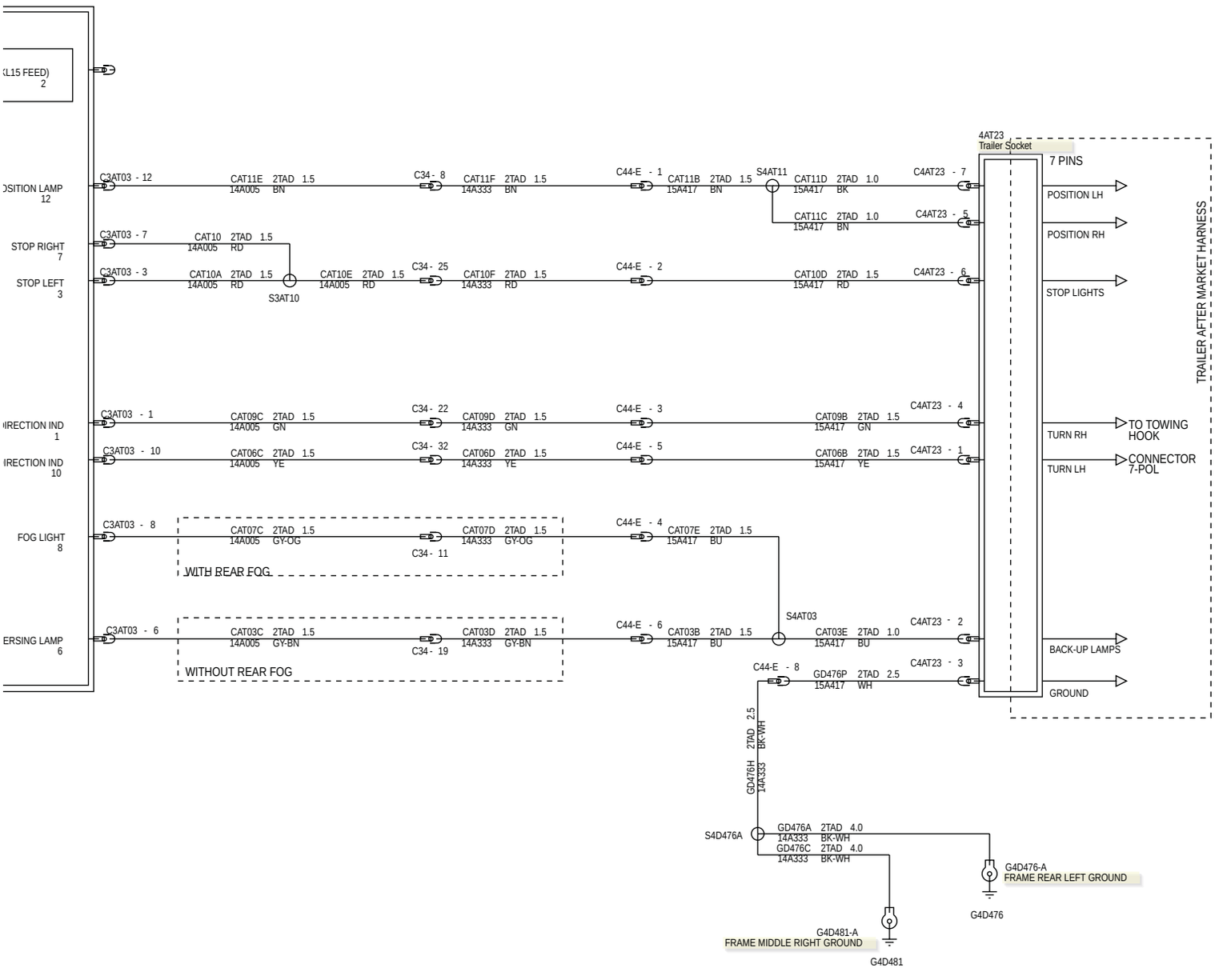

ISTALLED
CE BRAKES
GING
E
FEED
IGHT
ION LAMPS
-UP LAMPS
LIGHTS
RH
TO TOWING HOOK
LH
CONNECTOR 12-POL
ND
ND
3AT03 Trailer Module
UK ONLY
AFTERMARKET LEVEL C
(VEHICLE DON'T HAVE PRE INSTALLED TRAILER TOW FEATURE)
4AT23 Trailer Socket
C3AT03 - 12
CAT11N 2TAD 1.0 15A416 BN
S4AT11A
CAT11M 2TAD 1.0 15A416 BN
C4AT23-C - 7
POSITION LH
CAT11P 2TAD 1.0 15A416 BN
C4AT23-C - 5
POSITION RH
C3AT03 - 7
CAT10S 2TAD 1.5 15A416 RD
S4AT10A
CAT10R 2TAD 1.5 15A416 RD
C4AT23-C - 6
STOP LIGHTS
C3AT03 - 3
CAT10T 2TAD 1.5 15A416 RD
CAT09L 2TAD 1.5 15A416 GN
C3AT03 - 1
C4AT23-C - 4
TURN RH
TO TOWING HOOK
CAT06L 2TAD 1.5 15A416 YE
C3AT03 - 10
C4AT23-C - 1
TURN LH
CONNECTOR 7-POL
C3AT03 - 6
CAT03K 2TAD 1.0 15A416 BK
C4AT23-C - 2
BACK-UP LAMPS
TO CONNECT TO SPLICE S4D476A IN CHASSIS HARNESS
GD476AA 2TAD 2.5 15A416 WH
C4AT23-C - 3
GROUND
BLUNT CUT WIRE UNSTRIPPED/UNTERMINATED END
7 PINS ROUND CONNECTOR
F47
20A JCASE
C1BB03 -
1BB03 C13 - 15
Engine Junction Box (EJB)
SBB47C 2TAD 4.0 15A416 WH-RD
C3AT03-A - 2
30_SUPPLY A-2
3AT03 Trailer Module


UK ONLY (WITH RESISTOR)
4AT23 Trailer Socket
C4AT23-J - 7
CAT11H 2TAD 1.0 15436 BK
C4AT23-H - 7
POSITION LH
C4AT23-J - 5
CAT11J 2TAD 1.0 15436 BN
C4AT23-H - 5
POSITION RH
C4AT23-J - 6
CAT10K 2TAD 1.5 15436 RD
C4AT23-H - 6
STOP LIGHTS
C4AT23-J - 4
CAT09H 2TAD 1.5 15436 GN
C4AT23-H - 4
TURN RH
TO TOWING HOOK
C4AT23-J - 1
CAT06H 2TAD 1.5 15436 YE
C4AT23-H - 1
TURN LH
CONNECTOR 7-POL
S4D476
GD476K 2TAD 1.5 15436 WH
C4AT23-J - 2
CAT03G 2TAD 1.0 15436 BU
C4AT23-H - 2
BACK-UP LAMPS
GD476X 2TAD 2.5 15436 WH
C4AT23-H - 3
GROUND
C4AT23-J - 3
7 PINS ROUND CONNECTOR


AUSTRALIA & NEW ZEALAND ONLY (WITH RESISTOR)
4AT23 Trailer Socket
C4AT23-D - 5
CAT19 2TAD 1.5 15436 BU
C4AT23-E - 5
SERVICE BRAKES
C4AT23-D - 8
CAT14 2TAD 2.5 15436 OG
C4AT23-E - 8
CHARGING
C4AT23-D - 12
CAT15 2TAD 1.5 15436 VT
C4AT23-E - 12
SPARE
C4AT23-D - 9
SBB51H 2TAD 2.5 15436 PK
C4AT23-E - 9
BATT FEED
C4AT23-D - 11
CAT07B 2TAD 1.5 15436 GY
C4AT23-E - 11
FOG LIGHT
C4AT23-D - 7
CAT11G 2TAD 1.0 15436 BN
C4AT23-E - 7
POSITION LAMPS
C4AT23-D - 2
CAT03F 2TAD 1.0 15436 BK
C4AT23-E - 2
BACK-UP LAMPS
C4AT23-D - 6
CAT10J 2TAD 1.5 15436 RD
C4AT23-E - 6
STOP LIGHTS
C4AT23-D - 4
CAT09G 2TAD 1.5 15436 GN
C4AT23-E - 4
TURN RH
TO TOWING HOOK
C4AT23-D - 1
CAT06G 2TAD 1.5 15436 YE
C4AT23-E - 1
TURN LH
CONNECTOR 12-POL
S4D476
C4AT23-D - 3
GD476E 2TAD 2.5 15436 WH
GD476AN 2TAD 2.5 15436 WH
C4AT23-E - 3
GROUND
C4AT23-D - 10
GD476V 2TAD 2.5 15436 WH
C4AT23-E - 10
GROUND
12 PINS FLAT CONNECTOR



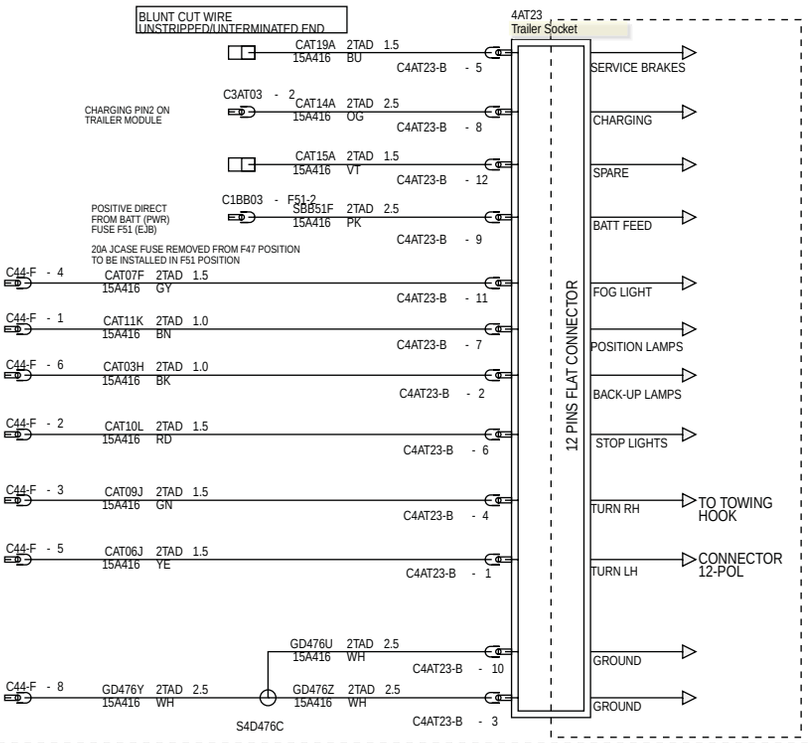
NOTE:
F47 FUSE TO BE REPLACED WITH 40A FUSE
IF 12PIN/13PIN AFTERMARKET TRAILER TOW
WILL BE FITTED WITH CHARGING FUNCTION.
20A FUSE DESIGN IS ONLY FOR 7PIN TRAILERS.


(L15 FEED)
2
OSITION LAMP
12
STOP RIGHT
7
STOP LEFT
3
IRECTION IND
1
IRECTION IND
10
FOG LIGHT
8
ERSING LAMP
6
C3AT03 - 12
CAT11E 2TAD 1.5
14A005 BN
C34 - 8
CAT11F 2TAD 1.5
14A333 BN
C44-E - 1
CAT11B 2TAD 1.5
15A417 BN
S4AT11
CAT11D 2TAD 1.0
15A417 BK
CAT11C 2TAD 1.0
15A417 BN
C4AT23 - 7
C4AT23 - 5
C3AT03 - 7
CAT10 2TAD 1.5
14A005 RD
C3AT03 - 3
CAT10A 2TAD 1.5
14A005 RD
S3AT10
CAT10E 2TAD 1.5
14A005 RD
C34 - 25
CAT10F 2TAD 1.5
14A333 RD
C44-E - 2
CAT10D 2TAD 1.5
15A417 RD
C4AT23 - 6
C3AT03 - 1
CAT09C 2TAD 1.5
14A005 GN
C34 - 22
CAT09D 2TAD 1.5
14A333 GN
C44-E - 3
CAT09B 2TAD 1.5
15A417 GN
C4AT23 - 4
C3AT03 - 10
CAT06C 2TAD 1.5
14A005 YE
C34 - 32
CAT06D 2TAD 1.5
14A333 YE
C44-E - 5
CAT06B 2TAD 1.5
15A417 YE
C4AT23 - 1
C3AT03 - 8
CAT07C 2TAD 1.5
14A005 GY-OG
C34 - 11
CAT07D 2TAD 1.5
14A333 GY-OG
WITH REAR FOG
C44-E - 4
CAT07E 2TAD 1.5
15A417 BU
C3AT03 - 6
CAT03C 2TAD 1.5
14A005 GY-BN
C34 - 19
CAT03D 2TAD 1.5
14A333 GY-BN
WITHOUT REAR FOG
C44-E - 6
CAT03B 2TAD 1.5
15A417 BU
S4AT03
CAT03E 2TAD 1.0
15A417 BU
C4AT23 - 2
C44-E - 8
GD476P 2TAD 2.5
15A417 WH
C4AT23 - 3
GD476H 2TAD 2.5 BK-WH
14A333
S4D476A
GD476A 2TAD 4.0
14A333 BK-WH
GD476C 2TAD 4.0
14A333 BK-WH
G4D476-A
FRAME REAR LEFT GROUND
G4D476
G4D481-A
FRAME MIDDLE RIGHT GROUND
G4D481
4AT23
Trailer Socket
7 PINS
POSITION LH
POSITION RH
STOP LIGHTS
TURN RH
TURN LH
TO TOWING HOOK
CONNECTOR 7-POL
BACK-UP LAMPS
GROUND
TRAILER AFTER MARKET HARNESS

AUSTRALIA & NEW ZEALAND ONLY

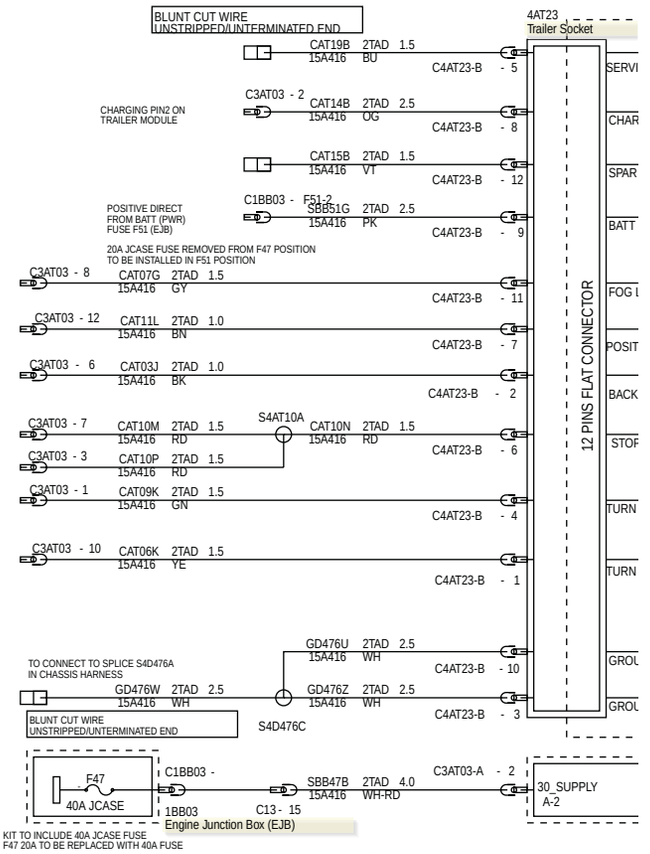
AFTERMARKET LEVEL A
(VEHICLE/HARNESS HAVE TRAILER TOW FEATURE)

KIT TO INCLUDE 40A JCASE FUSE
F47 20A TO BE REPLACED WITH 40A FUSE



AUSTRALIA & NEW ZEALAND ONLY

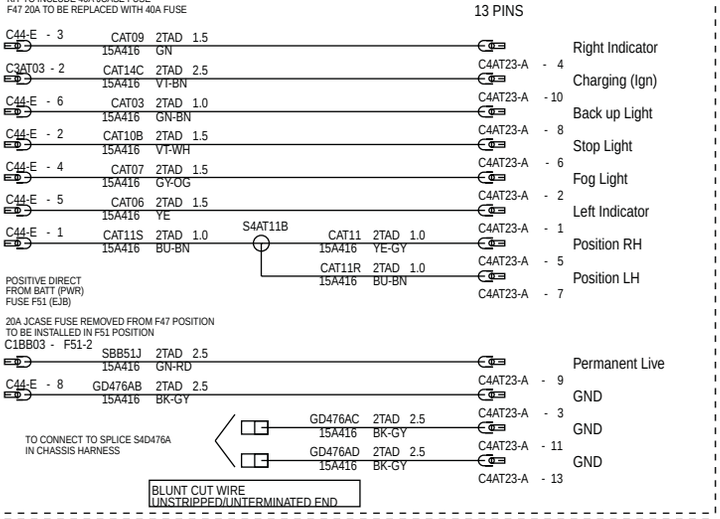
AFTERMARKET LEVEL B
(VEHICLE DON'T HAVE PRE IN
TRAILER TOW FEATURE)



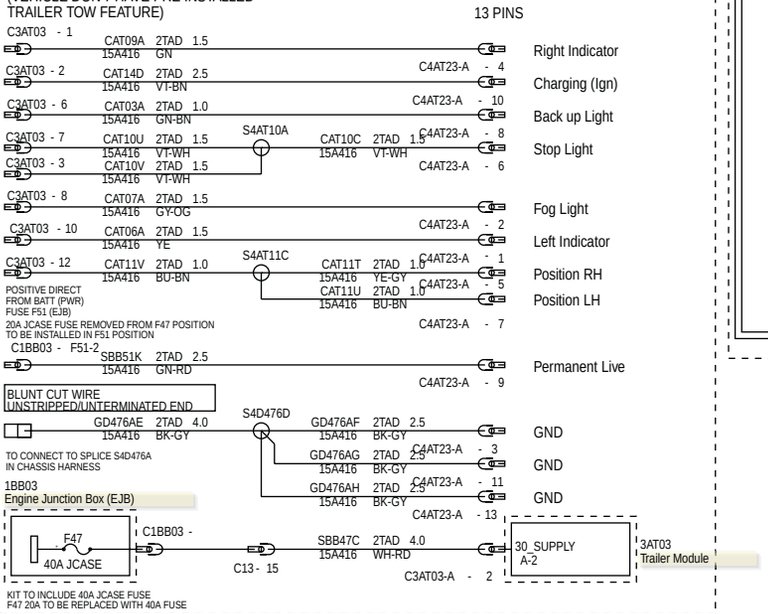
EU (EXCEPT UK ONLY)

AFTERMARKET LEVEL D
(VEHICLE/HARNESS HAVE TRAILER TOW FEATURE)

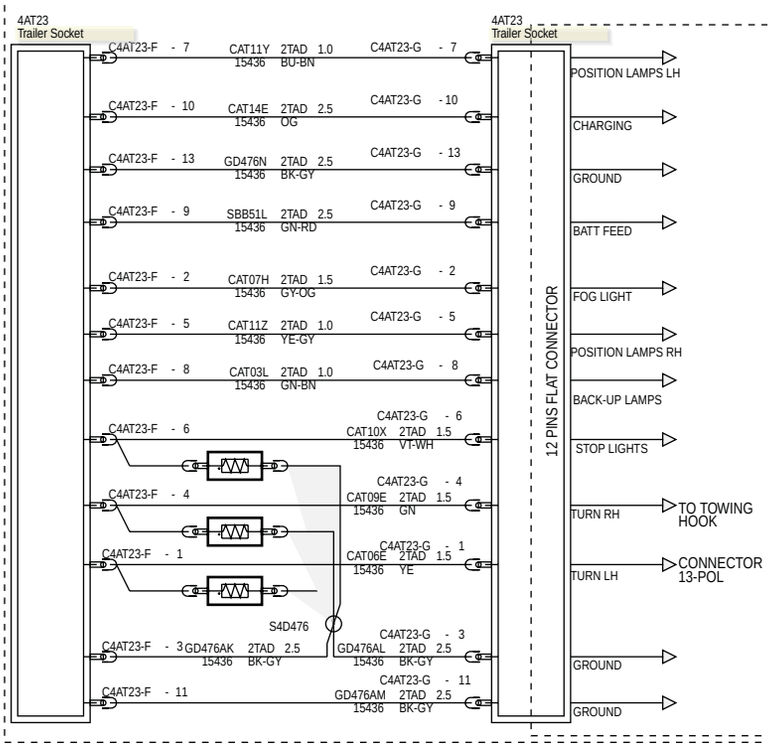
KIT TO INCLUDE 40A JCASE FUSE
F47 20A TO BE REPLACED WITH 40A FUSE

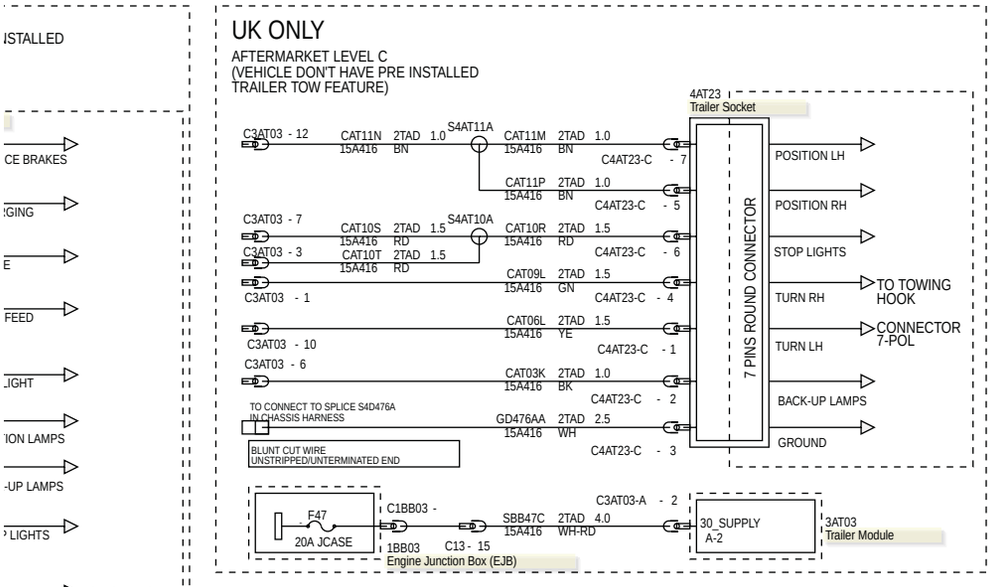


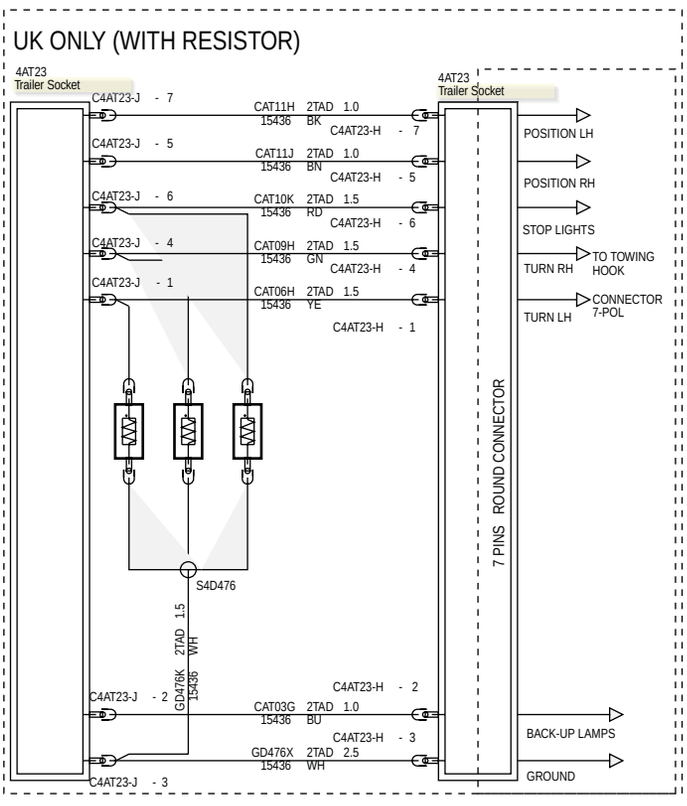
AFTERMARKET LEVEL E
(VEHICLE DON'T HAVE PRE INSTALLED
TRAILER TOW FEATURE)

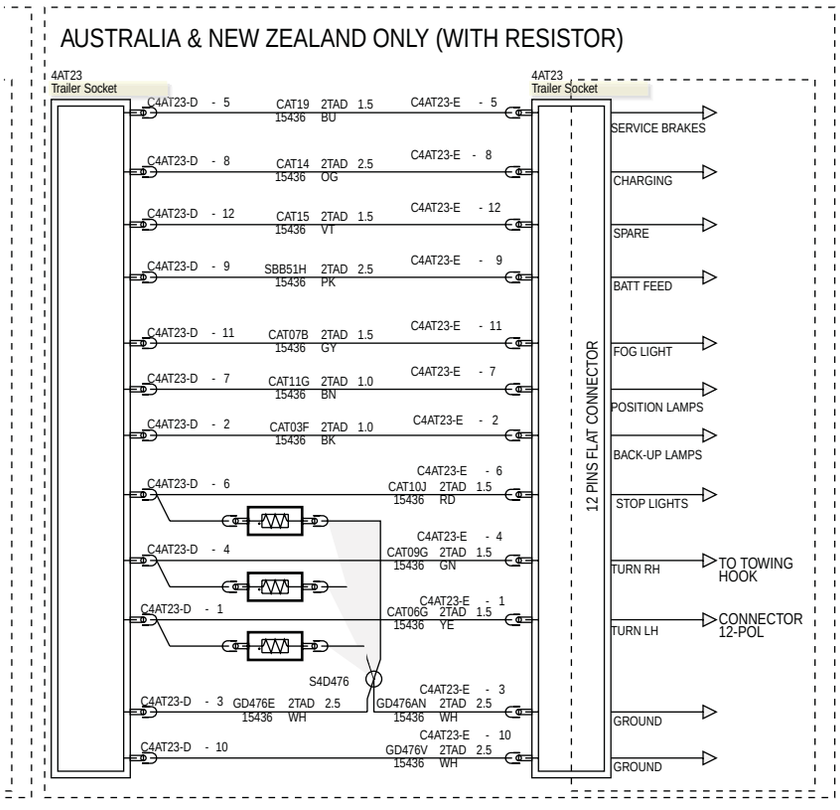


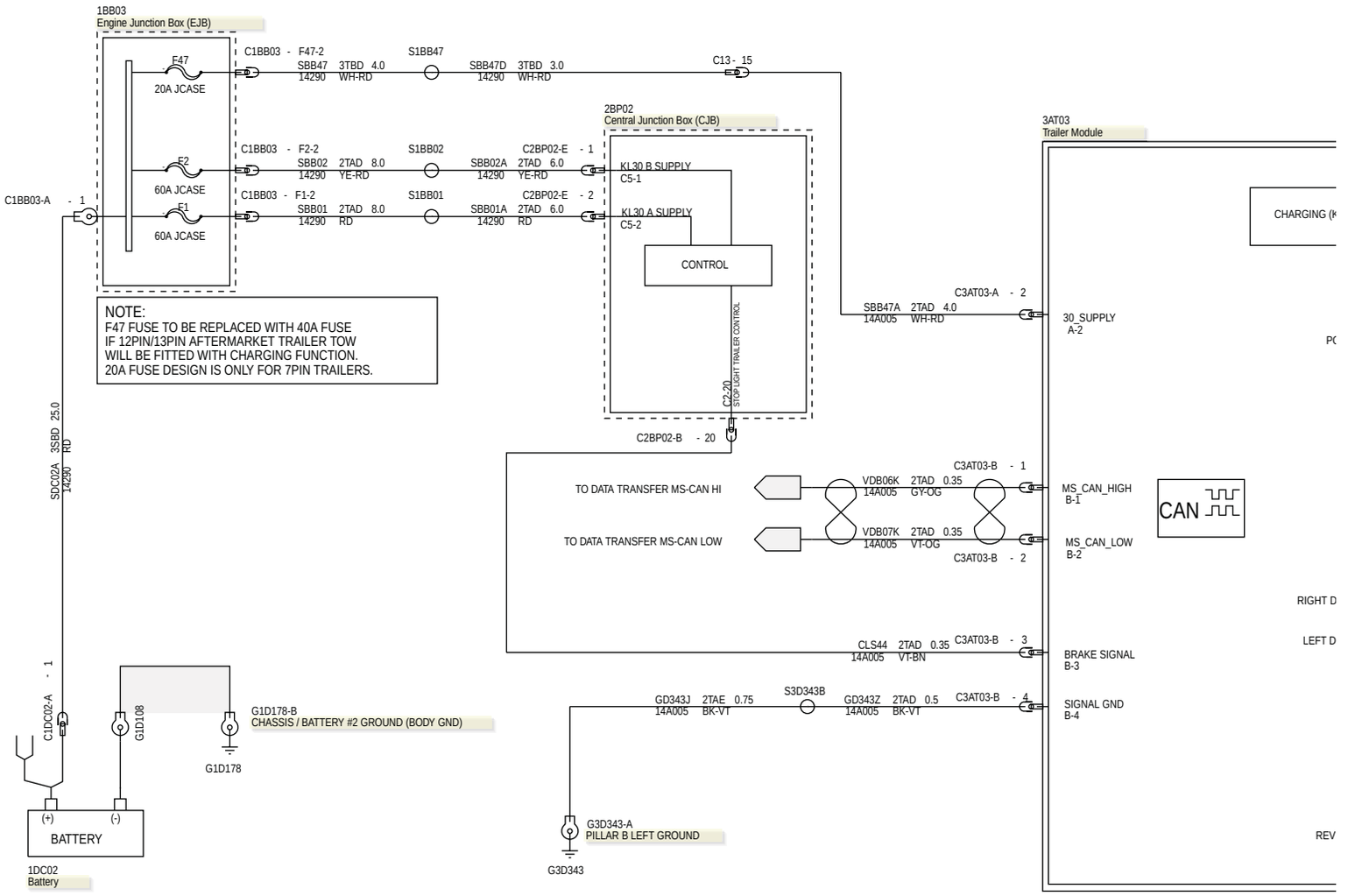
EU, EXCEPT UK ONLY (WITH RESISTOR)

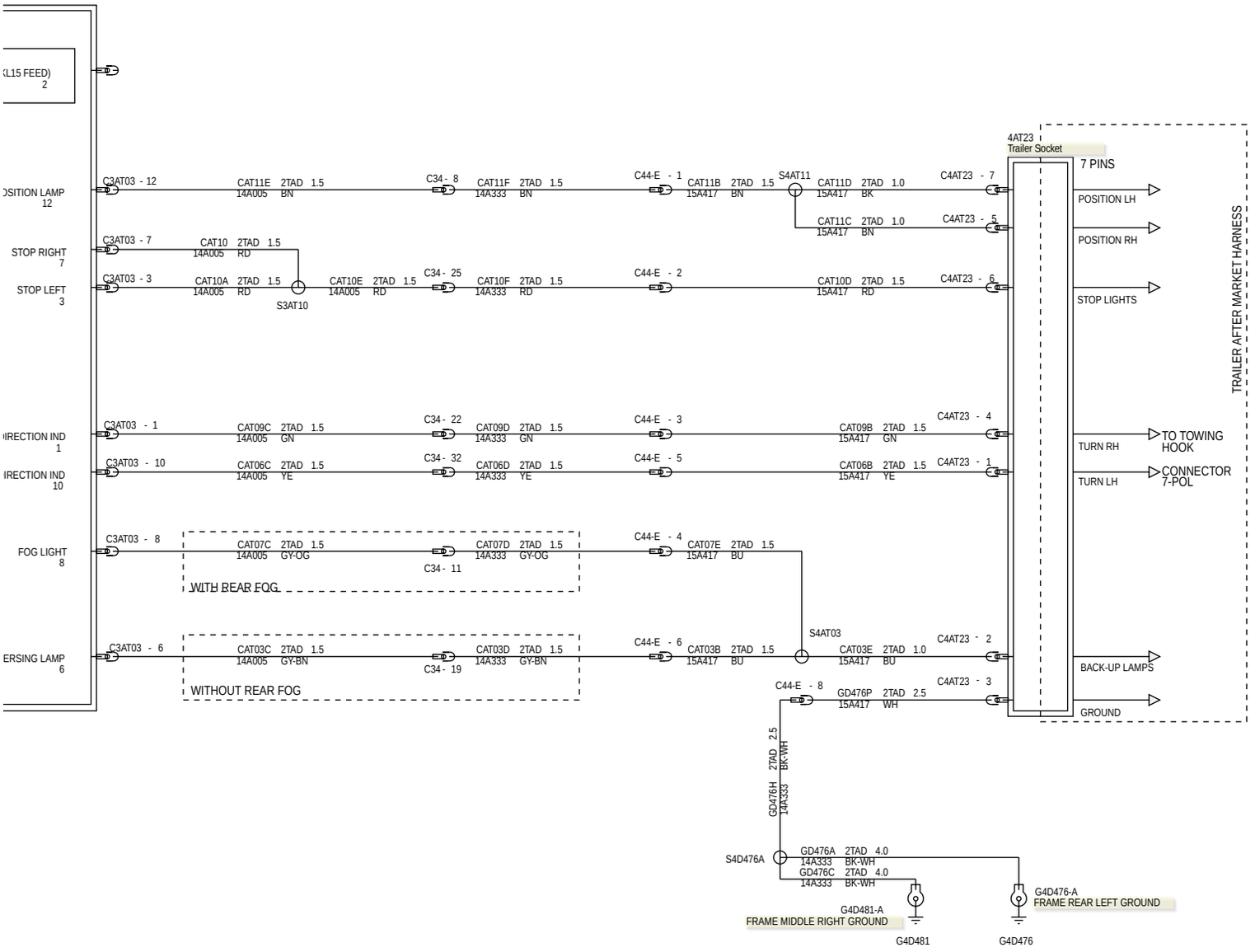



ISTALLED
CE BRAKES
GING
E
FEED
LIGHT
ION LAMPS
-UP LAMPS
LIGHTS
RH
TO TOWING HOOK
LH
CONNECTOR 12-POL
ND
ND
3AT03 Trailer Module
UK ONLY
AFTERMARKET LEVEL C
(VEHICLE DON'T HAVE PRE INSTALLED TRAILER TOW FEATURE)
4AT23 Trailer Socket
C3AT03 - 12
CAT11N 2TAD 1.0 15A416 BN
S4AT11A
CAT11M 2TAD 1.0 15A416 BN
C4AT23-C - 7
POSITION LH
CAT11P 2TAD 1.0 15A416 BN
C4AT23-C - 5
POSITION RH
C3AT03 - 7
CAT10S 2TAD 1.5 15A416 RD
S4AT10A
CAT10R 2TAD 1.5 15A416 RD
C3AT03 - 3
CAT10T 2TAD 1.5 15A416 RD
C4AT23-C - 6
STOP LIGHTS
CAT09L 2TAD 1.5 15A416 GN
C3AT03 - 1
C4AT23-C - 4
TURN RH
TO TOWING HOOK
CAT06L 2TAD 1.5 15A416 YE
C3AT03 - 10
C4AT23-C - 1
TURN LH
CONNECTOR 7-POL
C3AT03 - 6
CAT03K 2TAD 1.0 15A416 BK
C4AT23-C - 2
BACK-UP LAMPS
TO CONNECT TO SPLICE S4D476A IN CHASSIS HARNESS
GD476AA 2TAD 2.5 15A416 WH
C4AT23-C - 3
GROUND
7 PINS ROUND CONNECTOR
BLUNT CUT WIRE UNSTRIPPED/UNTERMINATED END
F47 20A JCASE
C1BB03 - 1BB03 C13 - 15 Engine Junction Box (EJB)
SBB47C 2TAD 4.0 15A416 WH-RD
C3AT03-A - 2
30_SUPPLY A-2
3AT03 Trailer Module

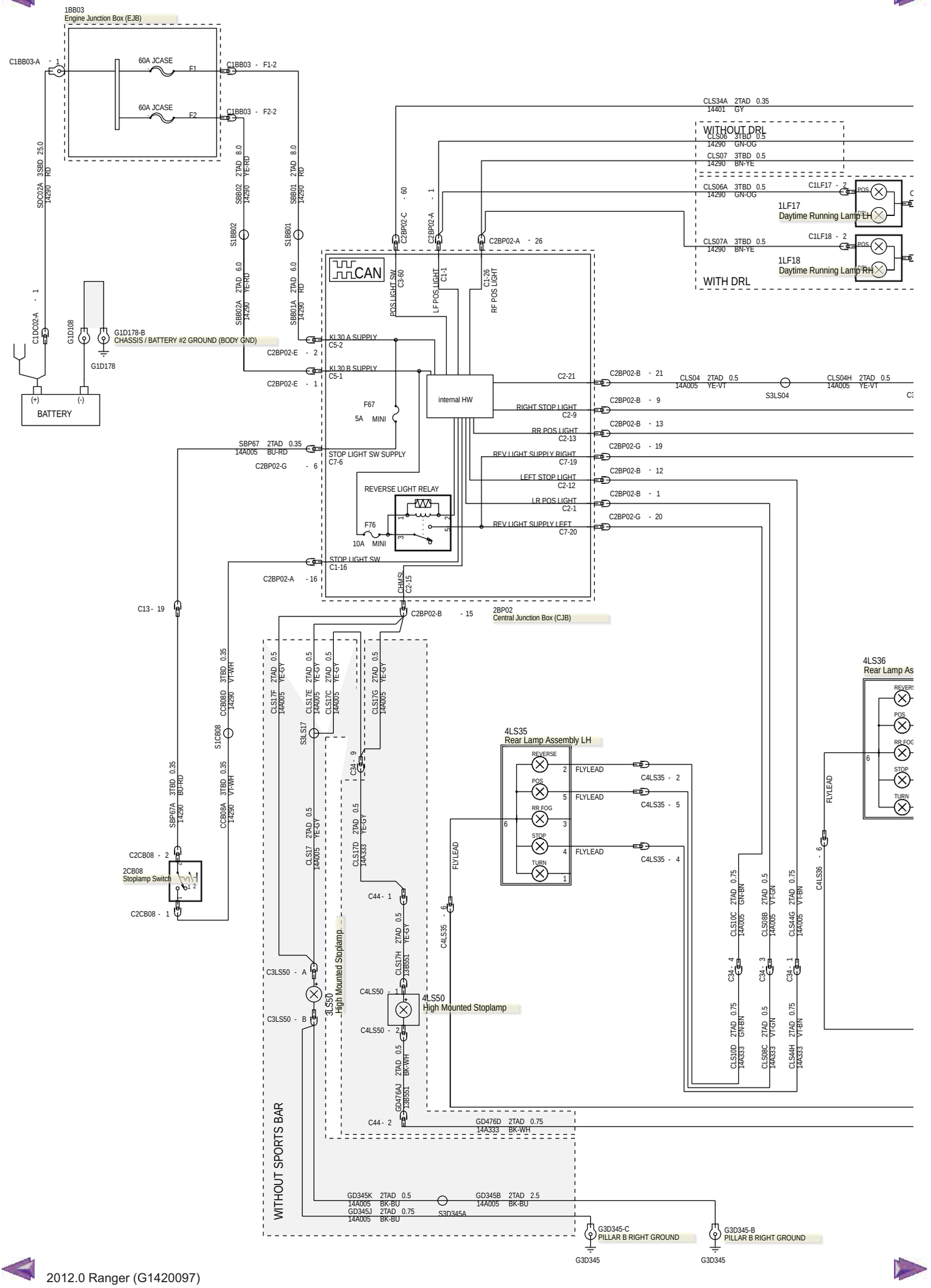

UK ONLY (WITH RESISTOR)
4AT23 Trailer Socket
C4AT23-J - 7
CAT11H 2TAD 1.0 15436 BK
C4AT23-H - 7
POSITION LH
C4AT23-J - 5
CAT11J 2TAD 1.0 15436 BN
C4AT23-H - 5
POSITION RH
C4AT23-J - 6
CAT10K 2TAD 1.5 15436 RD
C4AT23-H - 6
STOP LIGHTS
C4AT23-J - 4
CAT09H 2TAD 1.5 15436 GN
C4AT23-H - 4
TURN RH
TO TOWING HOOK
C4AT23-J - 1
CAT06H 2TAD 1.5 15436 YE
C4AT23-H - 1
TURN LH
CONNECTOR 7-POL
S4D476
GD476K 2TAD 1.5 15436 WH
C4AT23-J - 2
CAT03G 2TAD 1.0 15436 BU
C4AT23-H - 2
BACK-UP LAMPS
GD476X 2TAD 2.5 15436 WH
C4AT23-H - 3
GROUND
C4AT23-J - 3
7 PINS ROUND CONNECTOR

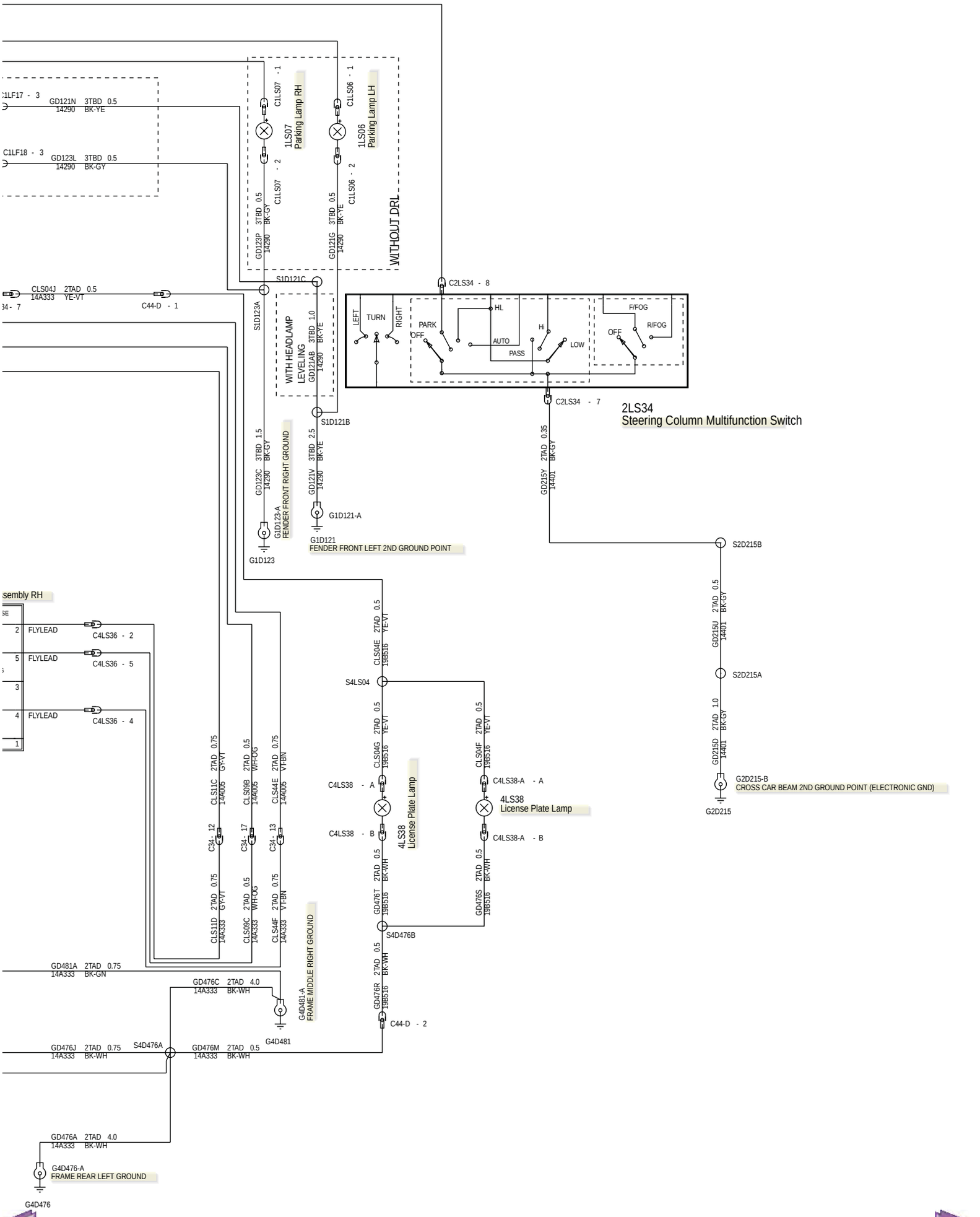

AUSTRALIA & NEW ZEALAND ONLY (WITH RESISTOR)
4AT23 Trailer Socket
C4AT23-D - 5
CAT19 2TAD 1.5 15436 BU
C4AT23-E - 5
SERVICE BRAKES
C4AT23-D - 8
CAT14 2TAD 2.5 15436 OG
C4AT23-E - 8
CHARGING
C4AT23-D - 12
CAT15 2TAD 1.5 15436 VT
C4AT23-E - 12
SPARE
C4AT23-D - 9
SBB51H 2TAD 2.5 15436 PK
C4AT23-E - 9
BATT FEED
C4AT23-D - 11
CAT07B 2TAD 1.5 15436 GY
C4AT23-E - 11
FOG LIGHT
C4AT23-D - 7
CAT11G 2TAD 1.0 15436 BN
C4AT23-E - 7
POSITION LAMPS
C4AT23-D - 2
CAT03F 2TAD 1.0 15436 BK
C4AT23-E - 2
BACK-UP LAMPS
C4AT23-D - 6
CAT10J 2TAD 1.5 15436 RD
C4AT23-E - 6
STOP LIGHTS
C4AT23-D - 4
CAT09G 2TAD 1.5 15436 GN
C4AT23-E - 4
TURN RH
TO TOWING HOOK
C4AT23-D - 1
CAT06G 2TAD 1.5 15436 YE
C4AT23-E - 1
TURN LH
CONNECTOR 12-POL
S4D476
C4AT23-D - 3
GD476E 2TAD 2.5 15436 WH
GD476AN 2TAD 2.5 15436 WH
C4AT23-E - 3
GROUND
C4AT23-D - 10
GD476V 2TAD 2.5 15436 WH
C4AT23-E - 10
GROUND
12 PINS FLAT CONNECTOR


1BB03
Engine Junction Box (EJB)
F47
20A JCASE
F2
60A JCASE
F1
60A JCASE
C1BB03-A - 1
C1BB03 - F47-2
SBB47 3TBD 4.0
14290 WH-RD
S1BB47
SBB47D 3TBD 3.0
14290 WH-RD
C13 - 15
C1BB03 - F2-2
SBB02 2TAD 8.0
14290 YE-RD
S1BB02
SBB02A 2TAD 6.0
14290 YE-RD
C2BP02-E - 1
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
SBB01A 2TAD 6.0
14290 RD
C2BP02-E - 2
2BP02
Central Junction Box (CJB)
KL30 B SUPPLY
C5-1
KL30 A SUPPLY
C5-2
CONTROL
C2.20
STOP LIGHT TRAILER CONTROL
C2BP02-B - 20
NOTE:
F47 FUSE TO BE REPLACED WITH 40A FUSE
IF 12PIN/13PIN AFTERMARKET TRAILER TOW
WILL BE FITTED WITH CHARGING FUNCTION.
20A FUSE DESIGN IS ONLY FOR 7PIN TRAILERS.
3AT03
Trailer Module
C3AT03-A - 2
SBB47A 2TAD 4.0
14A005 WH-RD
30_SUPPLY
A-2
CHARGING (K
P(
SDC02A 3SBD 25.0
14290 RD
TO DATA TRANSFER MS-CAN HI
TO DATA TRANSFER MS-CAN LOW
VDB06K 2TAD 0.35
14A005 GY-OG
VDB07K 2TAD 0.35
14A005 VT-OG
C3AT03-B - 1
C3AT03-B - 2
MS_CAN_HIGH
B-1
MS_CAN_LOW
B-2
CAN
RIGHT D
LEFT D
CLS44 2TAD 0.35
14A005 VT-BN
C3AT03-B - 3
BRAKE SIGNAL
B-3
S3D343B
GD343J 2TAE 0.75
14A005 BK-VT
GD343Z 2TAD 0.5
14A005 BK-VT
C3AT03-B - 4
SIGNAL GND
B-4
C1DC02-A - 1
G1D108
G1D178
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
(+)
(-)
BATTERY
1DC02
Battery
G3D343-A
PILLAR B LEFT GROUND
G3D343
REV

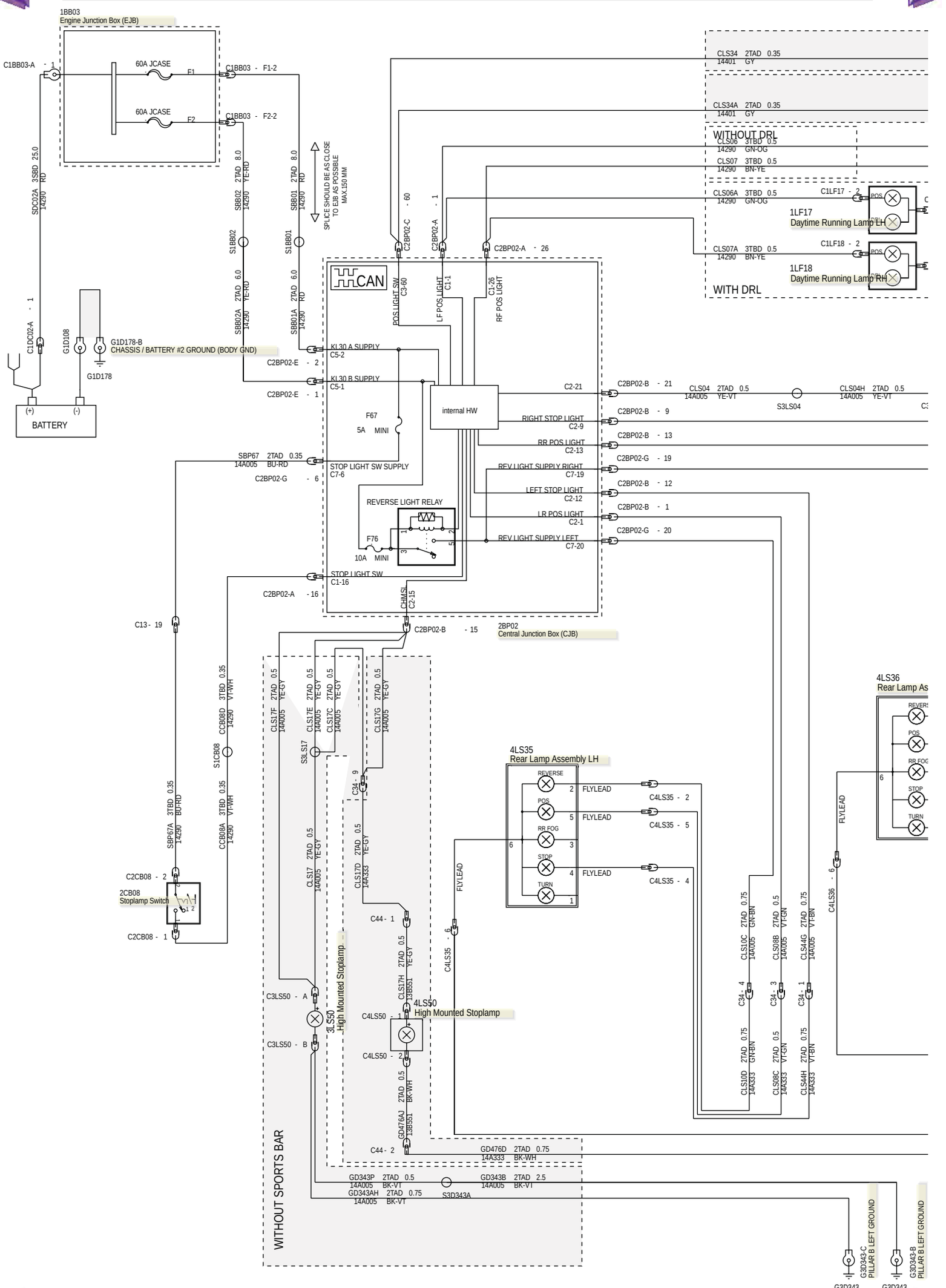

(L15 FEED)
2
OSITION LAMP
12
STOP RIGHT
7
STOP LEFT
3
IRECTION IND
1
IRECTION IND
10
FOG LIGHT
8
ERSING LAMP
6
C3AT03 - 12
CAT11E 2TAD 1.5
14A005 BN
C34 - 8
CAT11F 2TAD 1.5
14A333 BN
C44-E - 1
CAT11B 2TAD 1.5
15A417 BN
S4AT11
CAT11D 2TAD 1.0
15A417 BK
C4AT23 - 7
CAT11C 2TAD 1.0
15A417 BN
C4AT23 - 5
C3AT03 - 7
CAT10 2TAD 1.5
14A005 RD
C3AT03 - 3
CAT10A 2TAD 1.5
14A005 RD
S3AT10
CAT10E 2TAD 1.5
14A005 RD
C34 - 25
CAT10F 2TAD 1.5
14A333 RD
C44-E - 2
CAT10D 2TAD 1.5
15A417 RD
C4AT23 - 6
C3AT03 - 1
CAT09C 2TAD 1.5
14A005 GN
C34 - 22
CAT09D 2TAD 1.5
14A333 GN
C44-E - 3
CAT09B 2TAD 1.5
15A417 GN
C4AT23 - 4
C3AT03 - 10
CAT06C 2TAD 1.5
14A005 YE
C34 - 32
CAT06D 2TAD 1.5
14A333 YE
C44-E - 5
CAT06B 2TAD 1.5
15A417 YE
C4AT23 - 1
C3AT03 - 8
CAT07C 2TAD 1.5
14A005 GY-OG
C34 - 11
CAT07D 2TAD 1.5
14A333 GY-OG
WITH REAR FOG
C44-E - 4
CAT07E 2TAD 1.5
15A417 BU
C3AT03 - 6
CAT03C 2TAD 1.5
14A005 GY-BN
C34 - 19
CAT03D 2TAD 1.5
14A333 GY-BN
WITHOUT REAR FOG
C44-E - 6
CAT03B 2TAD 1.5
15A417 BU
S4AT03
CAT03E 2TAD 1.0
15A417 BU
C4AT23 - 2
C44-E - 8
GD476P 2TAD 2.5
15A417 WH
C4AT23 - 3
GD476H 2TAD 2.5 BK-WH
14A333
S4D476A
GD476A 2TAD 4.0
14A333 BK-WH
GD476C 2TAD 4.0
14A333 BK-WH
G4D481-A
FRAME MIDDLE RIGHT GROUND
G4D481
G4D476-A
FRAME REAR LEFT GROUND
G4D476
4AT23
Trailer Socket
7 PINS
POSITION LH
POSITION RH
STOP LIGHTS
TURN RH
TURN LH
BACK-UP LAMPS
GROUND
TO TOWING HOOK
CONNECTOR 7-POL
TRAILER AFTER MARKET HARNESS

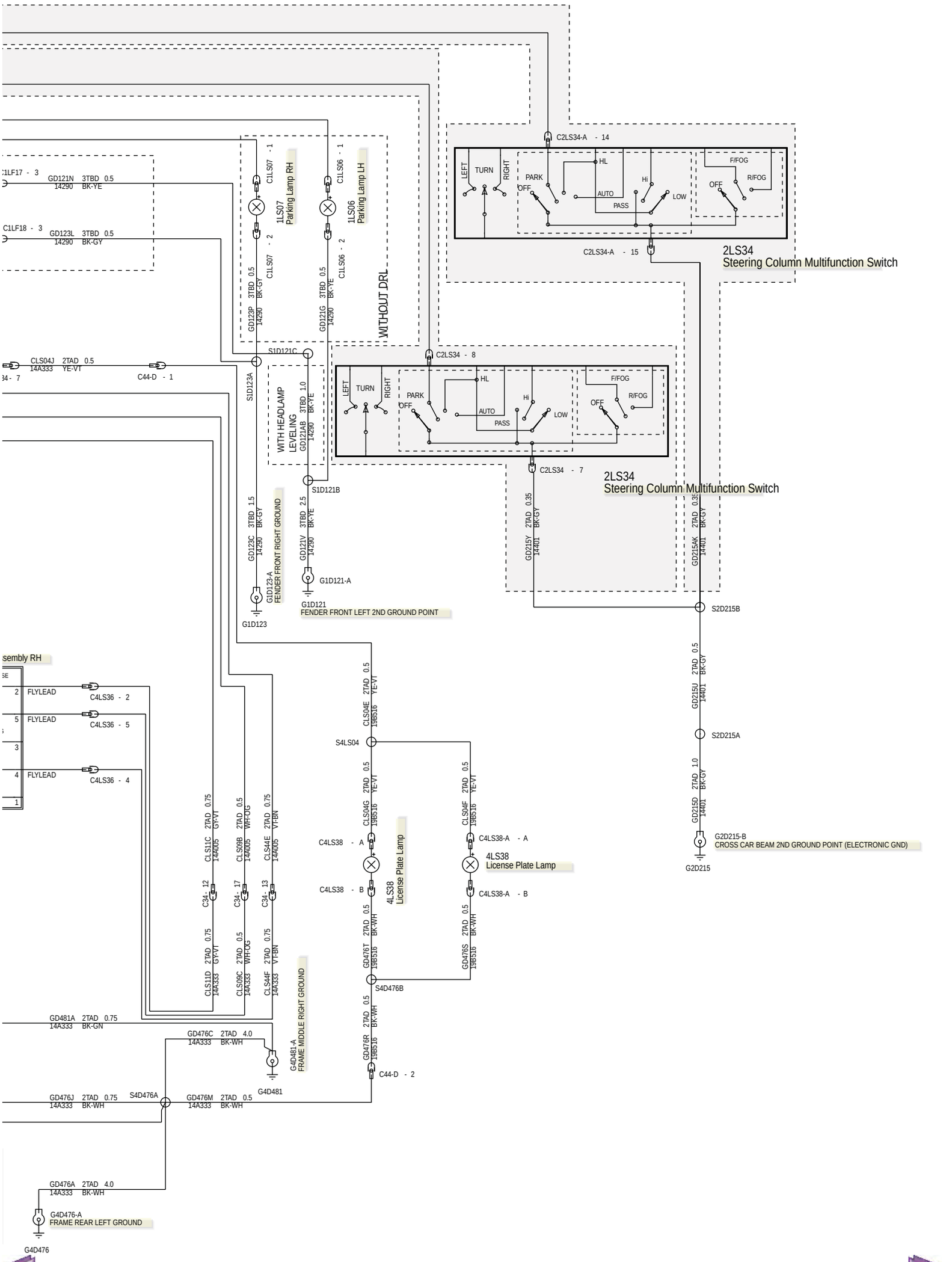
417-01-25 Turn Signal and Hazard Lamps—LHD 4WD/LHD RWD



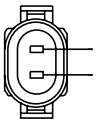

C1LF17 - 3
GD121N 3TBD 0.5
14290 BK-YE
C1LF18 - 3
GD123L 3TBD 0.5
14290 BK-GY
C1LS07 - 1
1LS07
Parking Lamp RH
C1LS07 - 2
GD123P 3TBD 0.5
14290 BK-GY
C1LS06 - 1
1LS06
Parking Lamp LH
C1LS06 - 2
GD121G 3TBD 0.5
14290 BK-YE
WITHOUT DRL
S1D121C
C2LS34 - 8
CLS04J 2TAD 0.5
14A333 YE-VT
C44-D - 1
S1D123A
WITH HEADLAMP LEVELING
GD121AB 3TBD 1.0
14290 BK-YE
LEFT
TURN
RIGHT
PARK
OFF
HL
AUTO
PASS
Hi
LOW
F/FOG
R/FOG
OFF
C2LS34 - 7
2LS34
Steering Column Multifunction Switch
S1D121B
GD123C 3TBD 1.5
14290 BK-GY
GD121V 3TBD 2.5
14290 BK-YE
GD215Y 2TAD 0.35
14401 BK-GY
G1D123-A
FENDER FRONT RIGHT GROUND
G1D123
G1D121-A
G1D121
FENDER FRONT LEFT 2ND GROUND POINT
S2D215B
GD215U 2TAD 0.5
14401 BK-GY
S2D215A
GD215D 2TAD 1.0
14401 BK-GY
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
sembly RH
2 FLYLEAD
C4LS36 - 2
5 FLYLEAD
C4LS36 - 5
4 FLYLEAD
C4LS36 - 4
CLS04E 2TAD 0.5
19B516 YE-VT
S4LS04
CLS04G 2TAD 0.5
19B516 YE-VT
CLS04F 2TAD 0.5
19B516 YE-VT
C4LS38 - A
C4LS38 - B
4LS38
License Plate Lamp
C4LS38-A - A
C4LS38-A - B
4LS38
License Plate Lamp
CLS11C 2TAD 0.75
14A005 GY-VT
CLS09B 2TAD 0.5
14A005 WH-OG
CLS44E 2TAD 0.75
14A005 VT-BN
C34 - 12
C34 - 17
C34 - 13
CLS11D 2TAD 0.75
14A333 GY-VT
CLS09C 2TAD 0.5
14A333 WH-OG
CLS44F 2TAD 0.75
14A333 VT-BN
GD476T 2TAD 0.5
19B516 BK-WH
GD476S 2TAD 0.5
19B516 BK-WH
S4D476B
GD476R 2TAD 0.5
19B516 BK-WH
C44-D - 2
GD481A 2TAD 0.75
14A333 BK-GN
GD476C 2TAD 4.0
14A333 BK-WH
G4D481-A
FRAME MIDDLE RIGHT GROUND
G4D481
GD476J 2TAD 0.75
14A333 BK-WH
S4D476A
GD476M 2TAD 0.5
14A333 BK-WH
GD476A 2TAD 4.0
14A333 BK-WH
G4D476-A
FRAME REAR LEFT GROUND
G4D476

417-01-27 Turn Signal and Hazard Lamps—RHD 4WD/RHD RWD




C2LS34-A - 14
C2LS34-A - 15
2LS34
Steering Column Multifunction Switch
LEFT
TURN
RIGHT
PARK
OFF
HL
AUTO
PASS
Hi
LOW
F/FOG
R/FOG
OFF
1LS07
Parking Lamp RH
1LS06
Parking Lamp LH
WITHOUT DRL
WITH HEADLAMP LEVELING
C2LS34 - 8
C2LS34 - 7
S1D121C
S1D121A
S1D121B
G1D121-A
G1D121
FENDER FRONT LEFT 2ND GROUND POINT
G1D123-A
FENDER FRONT RIGHT GROUND
G1D123
S2D215B
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
S4LS04
C4LS38 - A
C4LS38 - B
C4LS38-A - A
C4LS38-A - B
4LS38
License Plate Lamp
S4D476B
C44-D - 2
C4LS36 - 2
C4LS36 - 5
C4LS36 - 4
FLYLEAD
C34 - 12
C34 - 17
C34 - 13
S4D476A
G4D481
G4D481-A
FRAME MIDDLE RIGHT GROUND
G4D476
G4D476-A
FRAME REAR LEFT GROUND
GD121N 3TBD 0.5 14290 BK-YE
GD123L 3TBD 0.5 14290 BK-GY
GD123P 3TBD 0.5 14290 BK-GY
GD121G 3TBD 0.5 14290 BK-YE
GD121AB 3TBD 1.0 14290 BK-YE
GD123C 3TBD 1.5 14290 BK-GY
GD121V 3TBD 2.5 14290 BK-YE
CLS04J 2TAD 0.5 14A333 YE-VT
GD215Y 2TAD 0.35 14401 BK-GY
GD215AK 2TAD 0.35 14401 BK-GY
GD215U 2TAD 0.5 14401 BK-GY
GD215D 2TAD 1.0 14401 BK-GY
CLS04E 2TAD 0.5 19B516 YE-VT
CLS04G 2TAD 0.5 19B516 YE-VT
CLS04F 2TAD 0.5 19B516 YE-VT
CLS11C 2TAD 0.75 14A005 GY-VT
CLS09B 2TAD 0.5 14A005 WH-OG
CLS44E 2TAD 0.75 14A005 VT-BN
CLS11D 2TAD 0.75 14A333 GY-VT
CLS09C 2TAD 0.5 14A333 WH-OG
CLS44F 2TAD 0.75 14A333 VT-BN
GD476T 2TAD 0.5 19B516 BK-WH
GD476S 2TAD 0.5 19B516 BK-WH
GD476R 2TAD 0.5 19B516 BK-WH
GD481A 2TAD 0.75 14A333 BK-GN
GD476C 2TAD 4.0 14A333 BK-WH
GD476J 2TAD 0.75 14A333 BK-WH
GD476M 2TAD 0.5 14A333 BK-WH
GD476A 2TAD 4.0 14A333 BK-WH

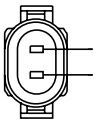
Front Fog Lamp LH (G1404490)



1 CLF29 BN 2TAD 1.0
2 GD121AF BK-YE 3TBD 0.75 + GD121Z BK-YE 3TBD 0.75

F5HT-14A464-FA
C1LF29
TO FRONT FOGLAMP LH
HARNESS 14290

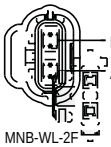
Front Fog Lamp RH (G1404491)



1 CLF29A BN 2TAD 1.0
2 GD123G BK-GY 3TBD 0.75

F5HT-14A464-FA
C1LF34
TO FRONT FOGLAMP RH
HARNESS 14290

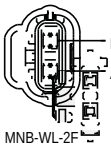
Front Side Marker Lamp LH (G1404492)



B GD121E BK-YE 3TBD 0.5
A CLS55G GN-BU 3TBD 0.5

MNB-WL-2F
C1LS13
TO SIDE REPEATER LH
HARNESS 14290

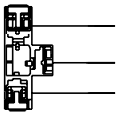
Front Side Marker Lamp RH (G1404493)



B GD121AH BK-YE 3TBD 0.5
A CLS54G BU-OG 3TBD 0.5

MNB-WL-2F
C1LS14
TO SIDE REPEATER RH
HARNESS 14290

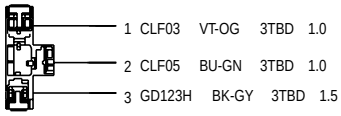
Headlamp Assembly LH (G1404494)



1 CLF02 GY-BN 3TBD 1.0
2 CLF04 BN-BU 3TBD 1.0
3 GD121Y BK-YE 3TBD 1.5

CBS-PL-3P
C1LF08
TO H/L (LH)
HARNESS 14290

Headlamp Assembly RH (G1404495)

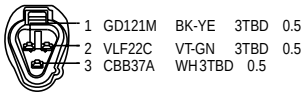


CBS-PL-3P

C1LF09
TO H/L (RH)

HARNESS 14290

Headlamp Control Module (G1426376)

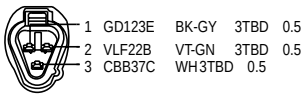


MNNE2-WD-3F

C1LF39
TO LEFT HEADLAMP LEVELING MOTOR

HARNESS 14290

Headlamp Control Module—A (G1426378)

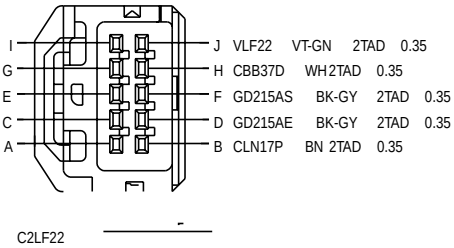


MNNE2-WD-3F

C1LF39-A
TO RIGHT HEADLAMP LEVELING MOTOR

HARNESS 14290

Headlamp Leveling Switch (G1426380)

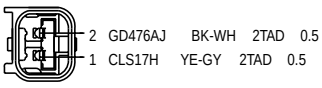


C2LF22

MQL-DL-10F
TO HEADLAMP LEVELING SWITCH

HARNESS 14401

High Mounted Stoplamp (G1404496)



C4LS50

6181-6492
TO HMSL

HARNESS 13B551

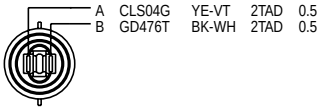
High Mounted Stoplamp (G1405453)

PIN B => GD343P BK-VT 0.5 2TAD
PIN B => GD345K BK-BU 0.5 2TAD

CLS17 YE-GY 2TAD 0.5 + CLS17F YE-GY 2TAD 0.5 A –  B GD343P BK-VT 2TAD 0.5

MNNL-AL-2F
C3LS50
TO CHMSL
HARNESS 14A005

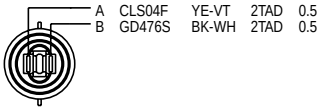
License Plate Lamp (G1404497)



C4LS38
2M5A-13K370-FB

TO REAR LICENSE PLATE LAMP(LH)
HARNESS 19B516

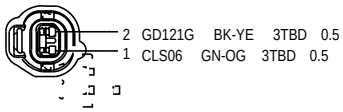
License Plate Lamp—A (G1404498)



C4LS38-A
2M5A-13K370-FB

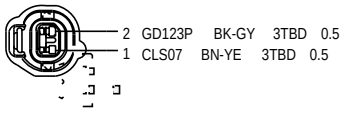
TO REAR LICENSE PLATE LAMP(RH)
HARNESS 19B516

Parking Lamp LH (G1404499)



MNC1-WD-2F
C1LS06
TO FRONT POSITION LAMP LH
HARNESS 14290

Parking Lamp RH (G1404500)



MNC1-WD-2F
C1LS07
TO FRONT POSITION LAMP RH
HARNESS 14290

Rear Lamp Assembly LH (G1404501)

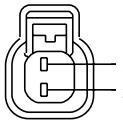
IMAGE NOT AVAILABLE

Rear Lamp Assembly RH (G1404502)

IMAGE NOT AVAILABLE

Reversing Lamp Switch (G1404503)

PIN 1 => CET47A BU 0.5 4TBD + CET47 BU 0.5 4TBD
PIN 2 => GD122Z BK 0.5 4TBD



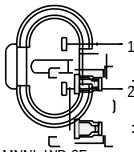
1 CET47 BU 4TBD 0.5
2 GD122N BK 4TBD 0.5 + GD122Z BK 4TBD 0.5

XR3T-14A464-AA

C1ET47
TO REVERSE LAMP SWITCH

HARNESS 14K039

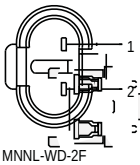
Side Turn Signal Lamp LH (G1404504)



1 CLS55H GN-BU 3TBD 0.5
2 GD121AA BK-YE 3TBD 0.5

MNNL-WD-2F
C1LS21
TO FRONT TURN LAMP LH
HARNESS 14290

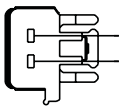
Side Turn Signal Lamp RH (G1404507)



1 CLS54H BU-OG 3TBD 0.5
2 GD123F BK-GY 3TBD 0.5

MNNL-WD-2F
C1LS25
TO FRONT TURN LAMP RH
HARNESS 14290

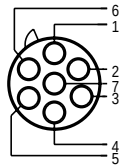
Stoplamp Switch (G1404508)



2 SBP67A BU-RD 3TBD 0.35
1 CCB08A VT-WH 3TBD 0.35

97BG-14489-VBB
C2CB08
TO STOP LIGHT SWITCH
HARNESS 14290

Trailer Socket (G1404574)

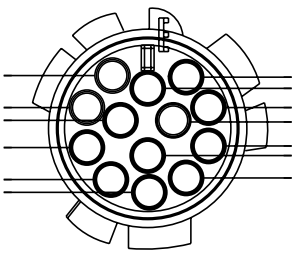


6 CAT10D RD 2TAD 1.5
1 CAT06B YE 2TAD 1.5
2 CAT03E BU 2TAD 1.0
7 CAT11D BK 2TAD 1.0
3 GD476P WH 2TAD 2.5
4 CAT09B GN 2TAD 1.5
5 CAT11C BN 2TAD 1.0

4205-6022
C4AT23
TO TRAILER TOW CONNECTOR
HARNESS 15A417

Trailer Socket—A (G1404575)

PIN 1 => CAT06 YE 1.5 2TAD
PIN 2 => CAT07 GY-OG 1.5 2TAD
PIN 3 => GD476AB BK-GY 2.5 2TAD
PIN 4 => CAT09 GN 1.5 2TAD
PIN 5 => CAT11 YE-GY 1.0 2TAD
PIN 6 => CAT10B VT-WH 1.5 2TAD
PIN 7 => CAT11R BU-BN 1.0 2TAD
PIN 8 => CAT03 GN-BN 1.0 2TAD
PIN 9 => SBB51J GN-RD 2.5 2TAD
PIN 10 => CAT14C VT-BN 2.5 2TAD
PIN 11 => GD476AC BK-GY 2.5 2TAD
PIN 13 => GD476AD BK-GY 2.5 2TAD



GD476AH BK-GY 2TAD 2.5 13
CAT11T YE-GY 2TAD 1.0 5
CAT09A GN 2TAD 1.5 4
CAT10C VT-WH 2TAD 1.5 6
CAT11U BU-BN 2TAD 1.0 7
CAT03A GN-BN 2TAD 1.0 8

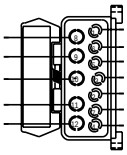
12 GD476AF BK-GY 2TAD 2.5
3
11 GD476AG BK-GY 2TAD 2.5
2 CAT07A GY-OG 2TAD 1.5
10 CAT14D VT-BN 2TAD 2.5
1 CAT06A YE 2TAD 1.5
9 SBB51K GN-RD 2TAD 2.5 + SBB51X GN-RD 2TAD 2.5

C4AT23-A
4505-6032
TO TRAILER TOW CONNECTOR
HARNESS 15A416

Trailer Socket—B (G1404576)

PIN 1 => CAT06J YE 1.5 2TAD
PIN 2 => CAT03H BK 1.0 2TAD
PIN 4 => CAT09J GN 1.5 2TAD
PIN 5 => CAT19A BU 1.5 2TAD
PIN 6 => CAT10L RD 1.5 2TAD
PIN 7 => CAT11K BN 1.0 2TAD
PIN 8 => CAT14A OG 2.5 2TAD
PIN 9 => SBB51F PK 2.5 2TAD
PIN 11 => CAT07F GY 1.5 2TAD
PIN 12 => CAT15A VT 1.5 2TAD

VIEW WITH LID OPEN



SBB51G PK 2TAD 2.5 +

CAT14B OG 2TAD 2.5 8
SBB51V PK 2TAD 2.5 9
GD476U WH 2TAD 2.5 10
CAT07G GY 2TAD 1.5 11
CAT15B VT 2TAD 1.5 12

1 CAT06K YE 2TAD 1.5
6 CAT10N RD 2TAD 1.5
5 CAT19B BU 2TAD 1.5
3 GD476Z WH 2TAD 2.5
2 CAT03J BK 2TAD 1.0
7 CAT11L BN 2TAD 1.0
4 CAT09K GN 2TAD 1.5

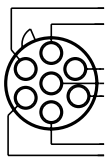
TS-12-F

C4AT23-B

TO CONN PN 12 PINS

HARNESS 15A416

Trailer Socket—C (G1404577)



6 CAT10R RD 2TAD 1.5
1 CAT06L YE 2TAD 1.5

2 CAT03K BK 2TAD 1.0
7 CAT11M BN 2TAD 1.0
3 GD476AA WH 2TAD 2.5

4 CAT09L GN 2TAD 1.5
5 CAT11P BN 2TAD 1.0

4205-6022

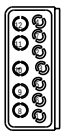
C4AT23-C

TO CONN PN 7 PINS

HARNESS 15A416

Trailer Socket—D (G1404578)

CAT14 OG 2TAD 2.5 8
SBB51H PK 2TAD 2.5 9
GD476V WH 2TAD 2.5 10
CAT07B GY 2TAD 1.5 11
CAT15 VT 2TAD 1.5 12



1 CAT06G YE 2TAD 1.5
6 CAT10J RD 2TAD 1.5
5 CAT19 BU 2TAD 1.5
3 GD476E WH 2TAD 2.5
2 CAT03F BK 2TAD 1.0
7 CAT11G BN 2TAD 1.0
4 CAT09G GN 2TAD 1.5

TP-12-F

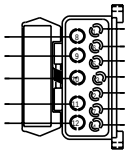
C4AT23-D

TO CONN PN 12 PINS

HARNESS 15436

Trailer Socket—E (G1404579)

VIEW WITH LID OPEN



CAT14 OG 2TAD 2.5 8
SBB51H PK 2TAD 2.5 9
GD476V WH 2TAD 2.5 10
CAT07B GY 2TAD 1.5 11
CAT15 VT 2TAD 1.5 12

1 CAT06G YE 2TAD 1.5
6 CAT10J RD 2TAD 1.5
5 CAT19 BU 2TAD 1.5
3 GD476AN WH 2TAD 2.5
2 CAT03F BK 2TAD 1.0
7 CAT11G BN 2TAD 1.0
4 CAT09G GN 2TAD 1.5

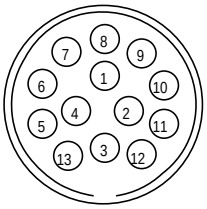
TS-12-F

C4AT23-E

TO CONN PN 12 PINS

HARNESS 15436

Trailer Socket—F (G1404580)

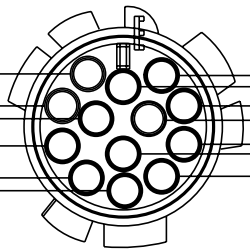


1	CAT06E	YE	2TAD	1.5
2	CAT07H	GY-OG	2TAD	1.5
3				
4	CAT09E	GN	2TAD	1.5
5	CAT11Z	YE-GY	2TAD	1.0
6	CAT10X	VT-WH	2TAD	1.5
7	CAT11Y	BU-BN	2TAD	1.0
8	CAT03L	GN-BN	2TAD	2.5
9	SBB51L	GN-RD	2TAD	2.5
10	CAT14E	OG	2TAD	2.5
11	GD476AM	BK-GY	2TAD	2.5
12	GD476AK	BK-GY	2TAD	2.5
13	GD476N	BK-GY	2TAD	2.5

3502-2472
C4AT23-F
TO CONN PN 13 PINS
HARNESS 15436

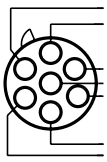
Trailer Socket—G (G1404581)

GD476N	BK-GY	2TAD	2.5	13		12	GD476AL	BK-GY	2TAD 2.5
						3			
CAT11Z	YE-GY	2TAD	1.0	5		11	GD476AM	BK-GY	2TAD 2.5
CAT09E	GN	2TAD	1.5	4		2	CAT07H	GY-OG	2TAD 1.5
CAT10X	VT-WH	2TAD	1.5	6		10	CAT14E	OG	2TAD 2.5
						1	CAT06E	YE	2TAD 1.5
CAT11Y	BU-BN	2TAD	1.0	7		9	SBB51L	GN-RD	2TAD 2.5
CAT03L	GN-BN	2TAD	1.0	8					



C4AT23-G
4505-6032
TO CONN PN 13 PINS
HARNESS 15436

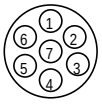
Trailer Socket—H (G1404582)



6	CAT10K	RD	2TAD	1.5
1	CAT06H	YE	2TAD	1.5
2	CAT03G	BU	2TAD	1.0
7	CAT11H	BK	2TAD	1.0
3	GD476X	WH	2TAD	2.5
4	CAT09H	GN	2TAD	1.5
5	CAT11J	BN	2TAD	1.0

4205-6022
C4AT23-H
TO CONN PN 7 PINS
HARNESS 15436

Trailer Socket—J (G1404583)

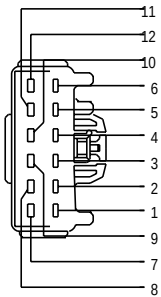


1	CAT06H	YE	2TAD	1.5					
2	CAT03G	BU	2TAD	1.0					
3	GD476K	WH	2TAD	1.5	+	GD476X	WH	2TAD	2.5
4	CAT09H	GN	2TAD	1.5					
5	CAT11J	BN	2TAD	1.0					
6	CAT10K	RD	2TAD	1.5					
7	CAT11H	BK	2TAD	1.0					

3102-2471
C4AT23-J
TO CONN PN 7 PINS
HARNESS 15436

Trailer Module (G1406836)

PIN 1 => CAT09C GN 1.5 2TAD
PIN 1 => CAT09K GN 1.5 2TAD
PIN 1 => CAT09L GN 1.5 2TAD
PIN 2 => CAT14A OG 2.5 2TAD
PIN 2 => CAT14B OG 2.5 2TAD
PIN 2 => CAT14C VT-BN 2.5 2TAD
PIN 3 => CAT10A RD 1.5 2TAD
PIN 3 => CAT10P RD 1.5 2TAD
PIN 3 => CAT10T RD 1.5 2TAD
PIN 6 => CAT03C GY-BN 1.5 2TAD
PIN 6 => CAT03J BK 1.0 2TAD
PIN 6 => CAT03K BK 1.0 2TAD
PIN 7 => CAT10 RD 1.5 2TAD
PIN 7 => CAT10M RD 1.5 2TAD
PIN 7 => CAT10S RD 1.5 2TAD
PIN 8 => CAT07C GY-OG 1.5 2TAD
PIN 8 => CAT07G GY 1.5 2TAD
PIN 10 => CAT06C YE 1.5 2TAD
PIN 10 => CAT06K YE 1.5 2TAD
PIN 10 => CAT06L YE 1.5 2TAD
PIN 12 => CAT11E BN 1.5 2TAD
PIN 12 => CAT11L BN 1.0 2TAD
PIN 12 => CAT11N BN 1.0 2TAD



11					
12	CAT11V	BU-BN	2TAD	1.0	
10	CAT06A	YE	2TAD	1.5	
6	CAT03A	GN-BN	2TAD	1.0	
5					
4					
3	CAT10V	VT-WH	2TAD	1.5	
2	CAT14D	VT-BN	2TAD	2.5	
1	CAT09A	GN	2TAD	1.5	
9					
7	CAT10U	VT-WH	2TAD	1.5	
8	CAT07A	GY-OG	2TAD	1.5	

4S7T-14489-YJA

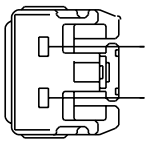
C3AT03

TO TRAILER TOW MODULE(TRAILER CONN)

HARNESS 14A005

Trailer Module—A (G1406837)

PIN 2 => SBB47A WH-RD 4.0 2TAD
PIN 2 => SBB47B WH-RD 4.0 2TAD



2	SBB47C	WH-RD	2TAD	4.0
1				

3M5T-14489-KBA

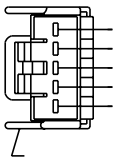
C3AT03-A

TO TRAILER TOW MODULE(POWER)

HARNESS 14A005

Trailer Module—B (G1406838)

PIN 4 => GD345U BK-BU 0.5 2TAD



5									
4	GD343Z	BK-VT	2TAD	0.5	+	GD345U	BK-BU	2TAD	0.5
3	CLS44	VT-BN	2TAD	0.35					
2	VDB07K	VT-OG	2TAD	0.35					
1	VDB06K	GY-OG	2TAD	0.35					

XR8T-14489-FA

C3AT03-B

TO TRAILER TOW MODULE(CAN)

HARNESS 14A005

SECTION 417-02 Interior Lighting

VEHICLE APPLICATION: 2012.0 Ranger

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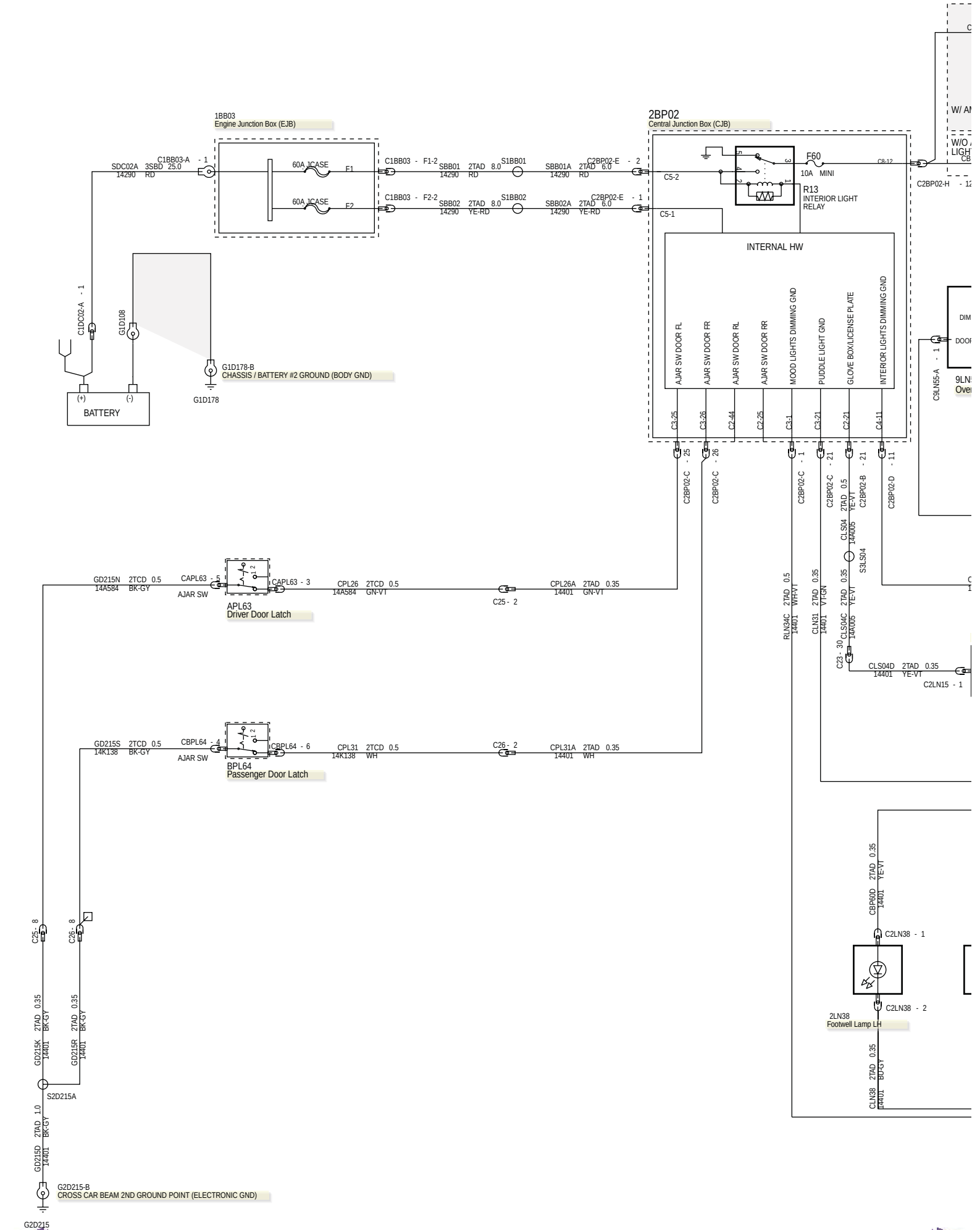
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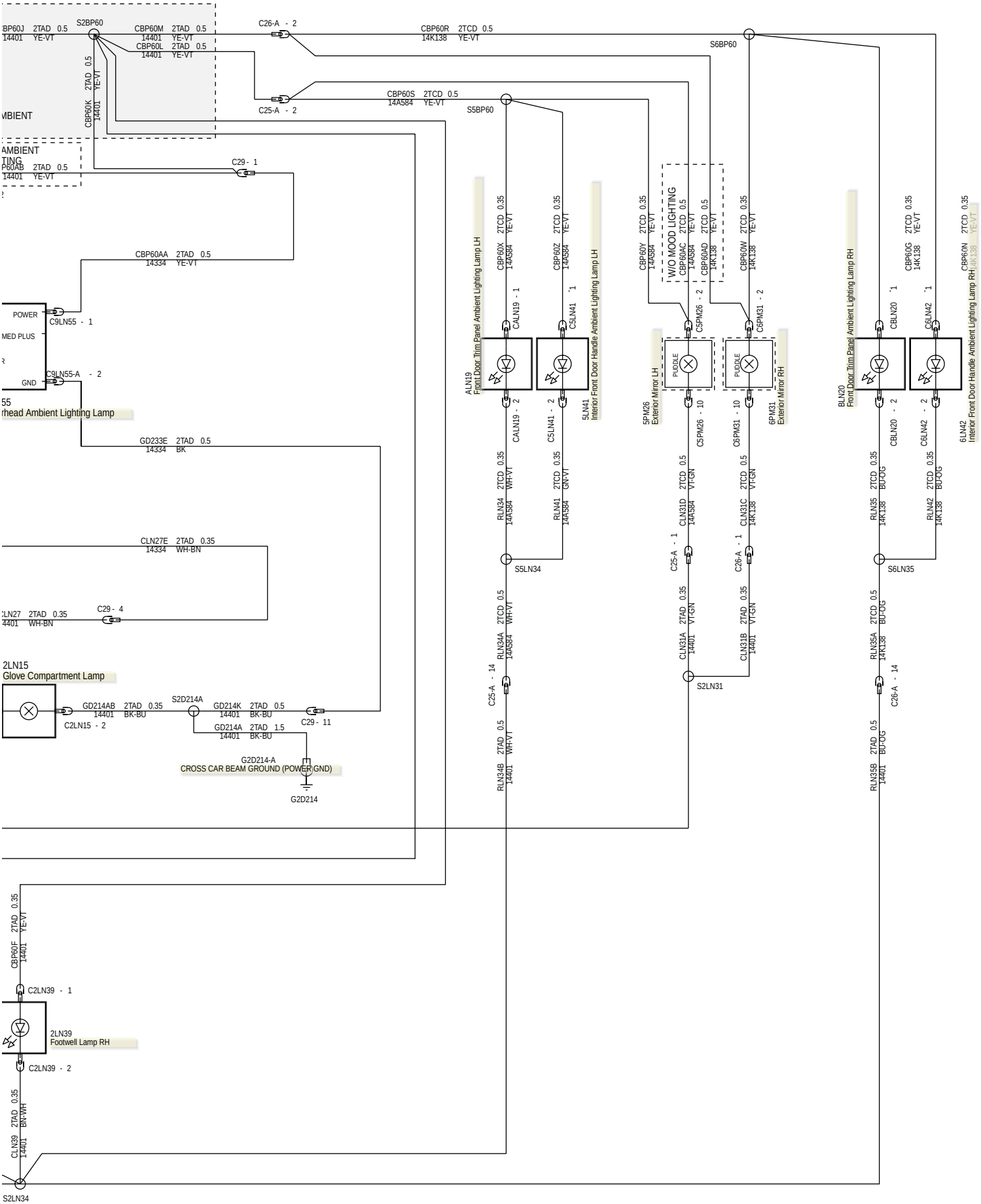
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Footwell Lamp RH..... 417-02-18
Front Door Trim Panel Ambient Lighting Lamp LH..... 417-02-18
Front Door Trim Panel Ambient Lighting Lamp RH..... 417-02-18
Glove Compartment Lamp..... 417-02-18
Interior Front Door Handle Ambient Lighting Lamp LH..... 417-02-19
Interior Front Door Handle Ambient Lighting Lamp RH..... 417-02-19
Overhead Ambient Lighting Lamp..... 417-02-19
Overhead Ambient Lighting Lamp — A..... 417-02-19
Overhead Ambient Lighting Lamp — B..... 417-02-19
Rear Interior Lamp..... 417-02-19
Rear Interior Lamp — A..... 417-02-20

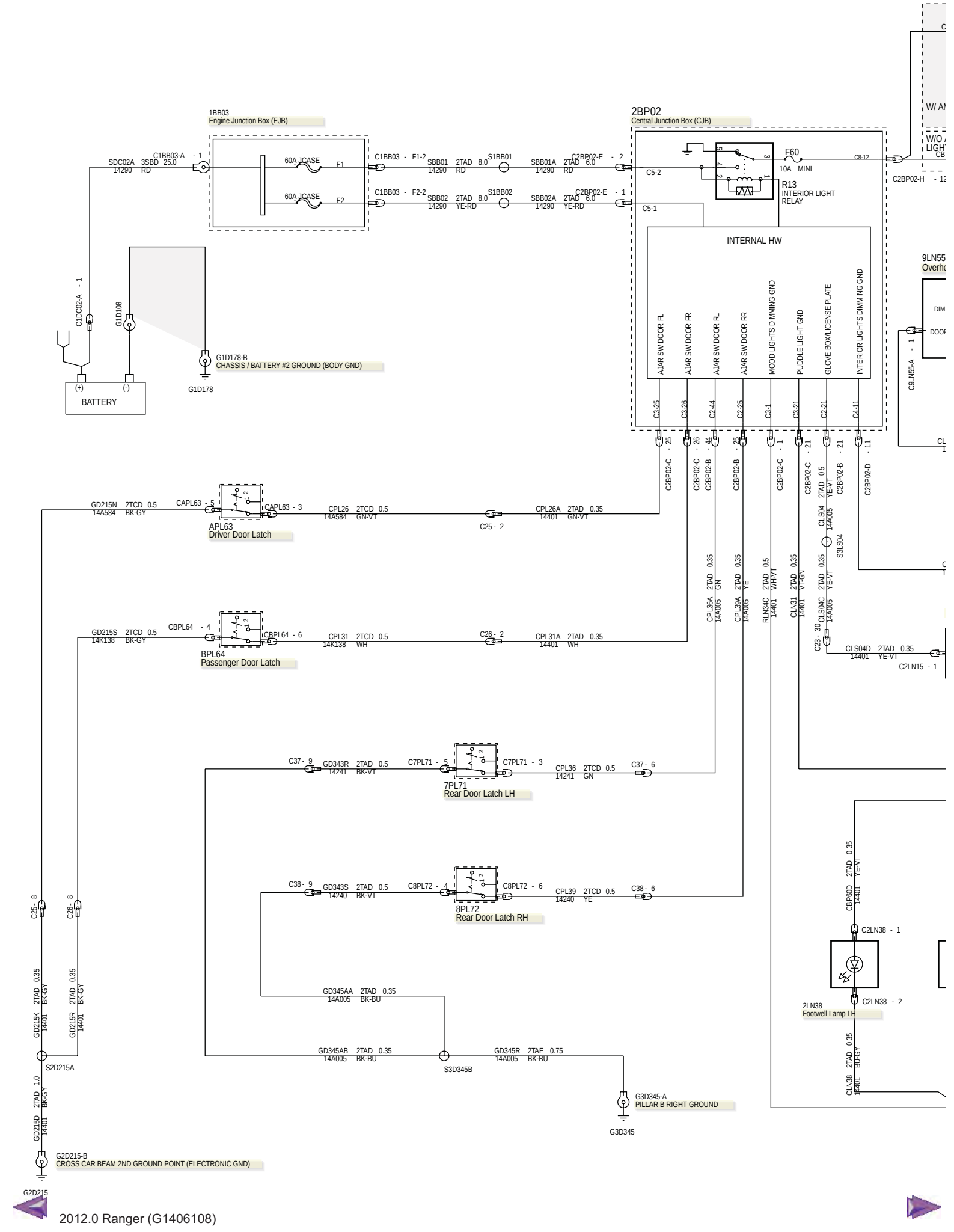
417-02-2 Courtesy and Demand Lighting—Single Cab, LHD 4WD/LHD RWD



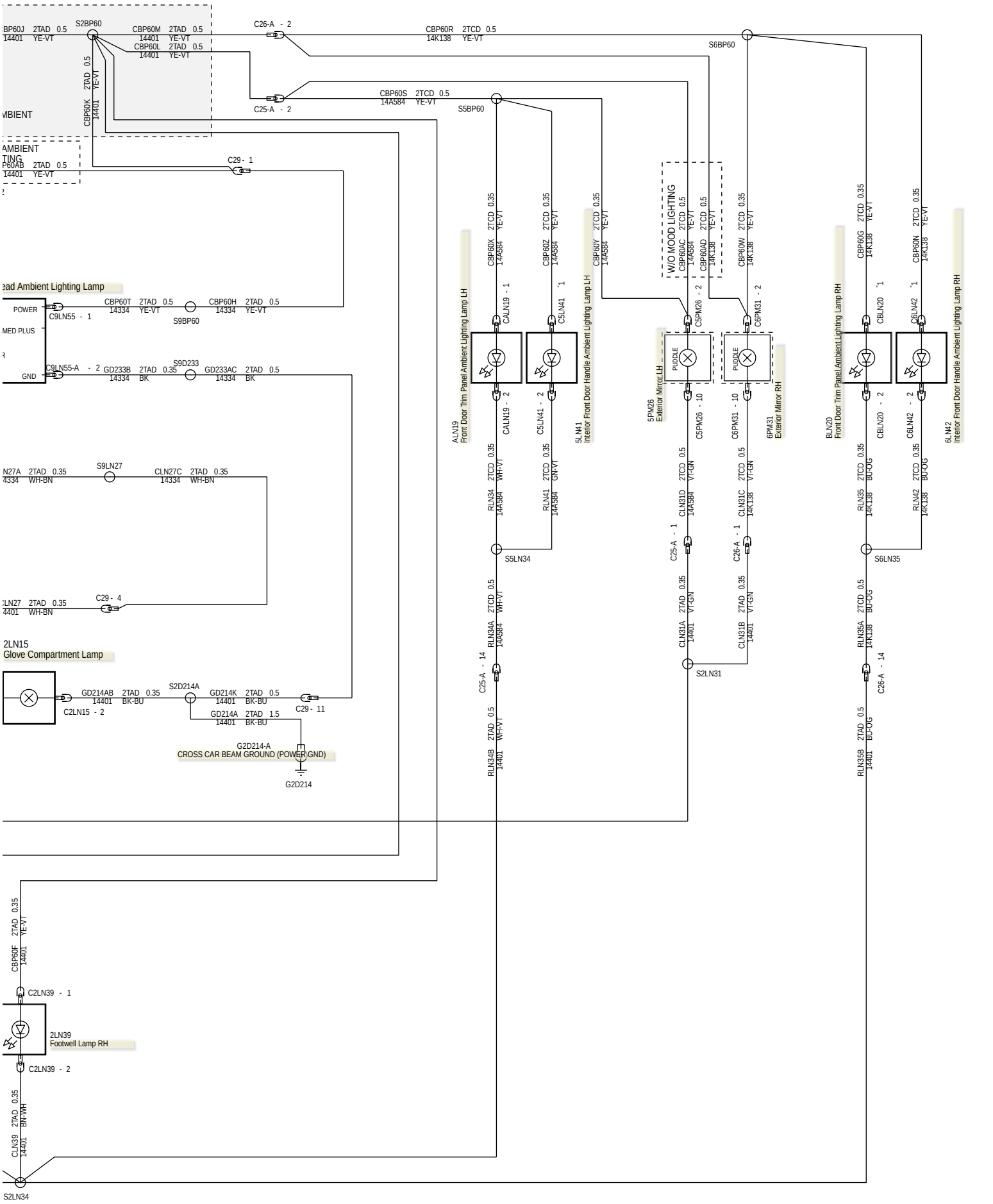
417-02-3 Courtesy and Demand Lighting—Single Cab, LHD 4WD/LHD RWD



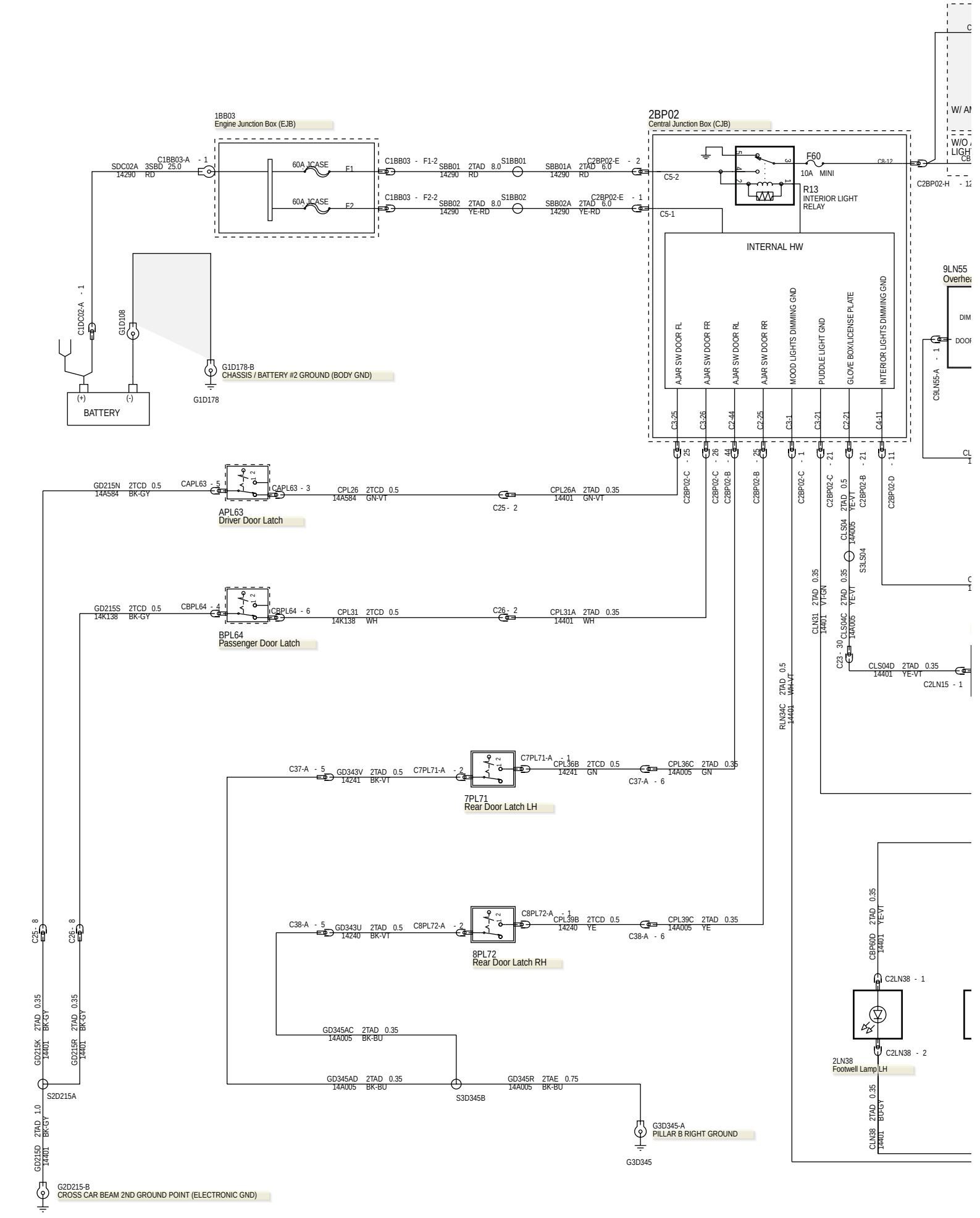
417-02-4 Courtesy and Demand Lighting—Double Cab, LHD 4WD/LHD RWD



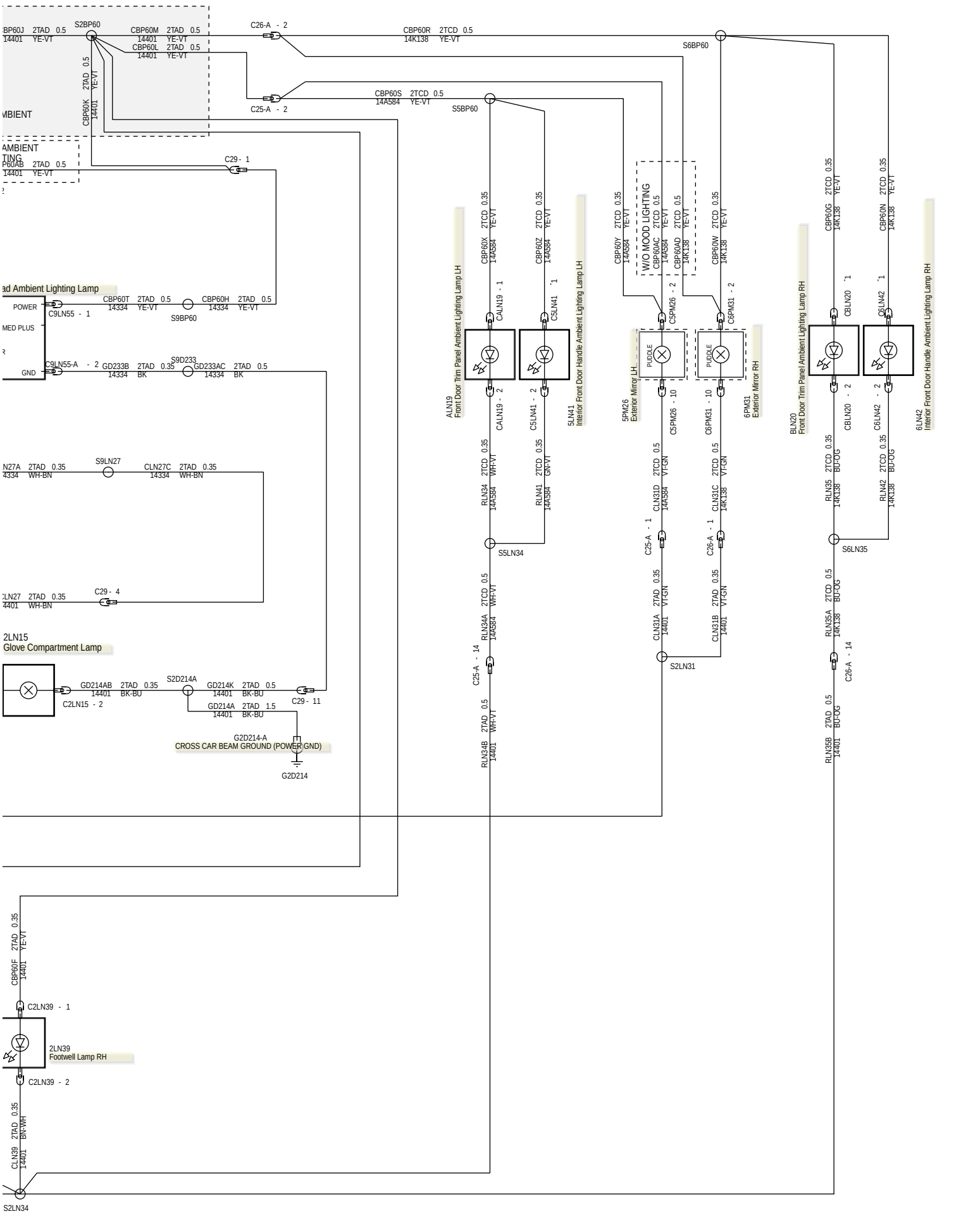
417-02-5 Courtesy and Demand Lighting—Double Cab, LHD 4WD/LHD RWD

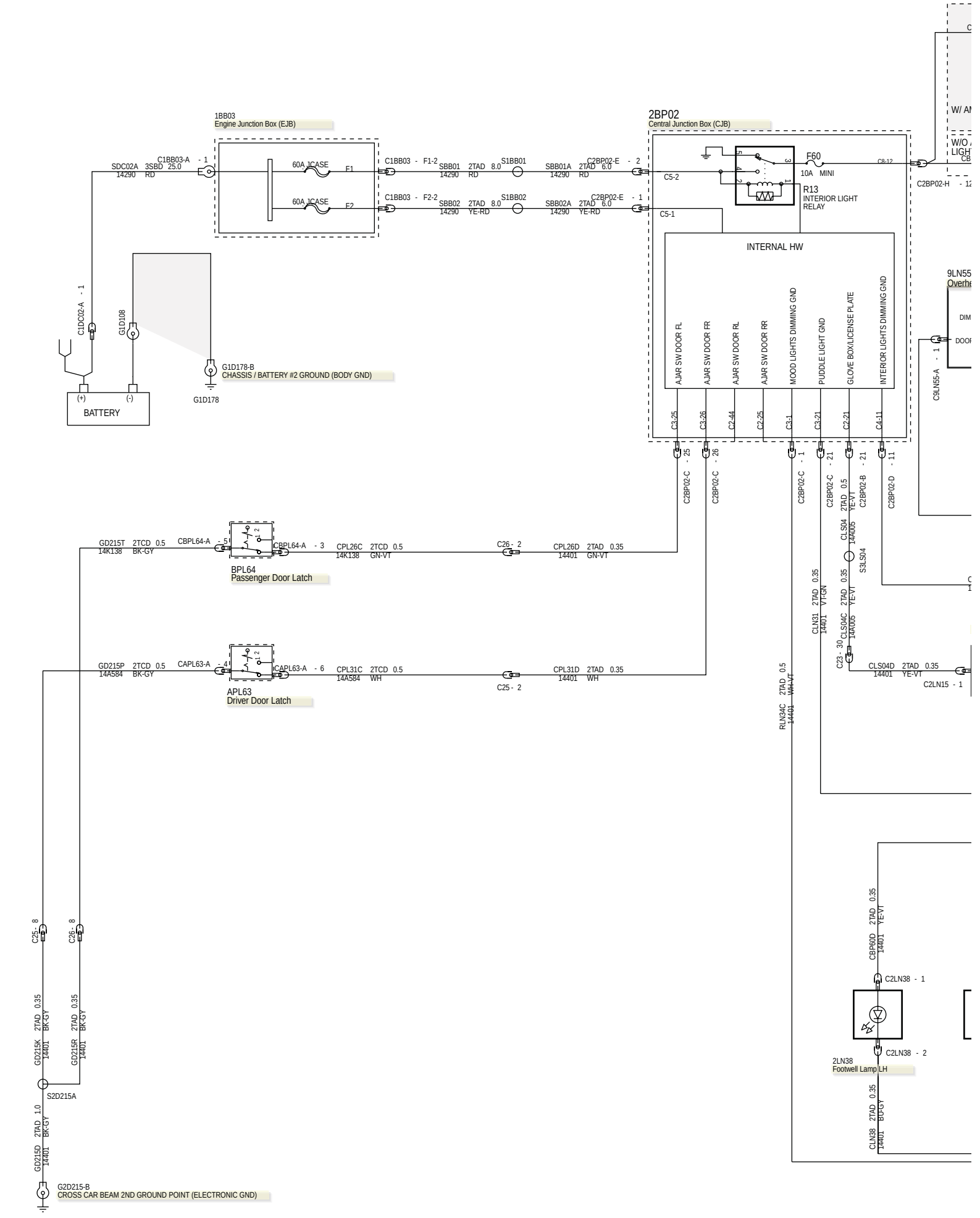


417-02-6 Courtesy and Demand Lighting—Super Cab, LHD 4WD/LHD RWD

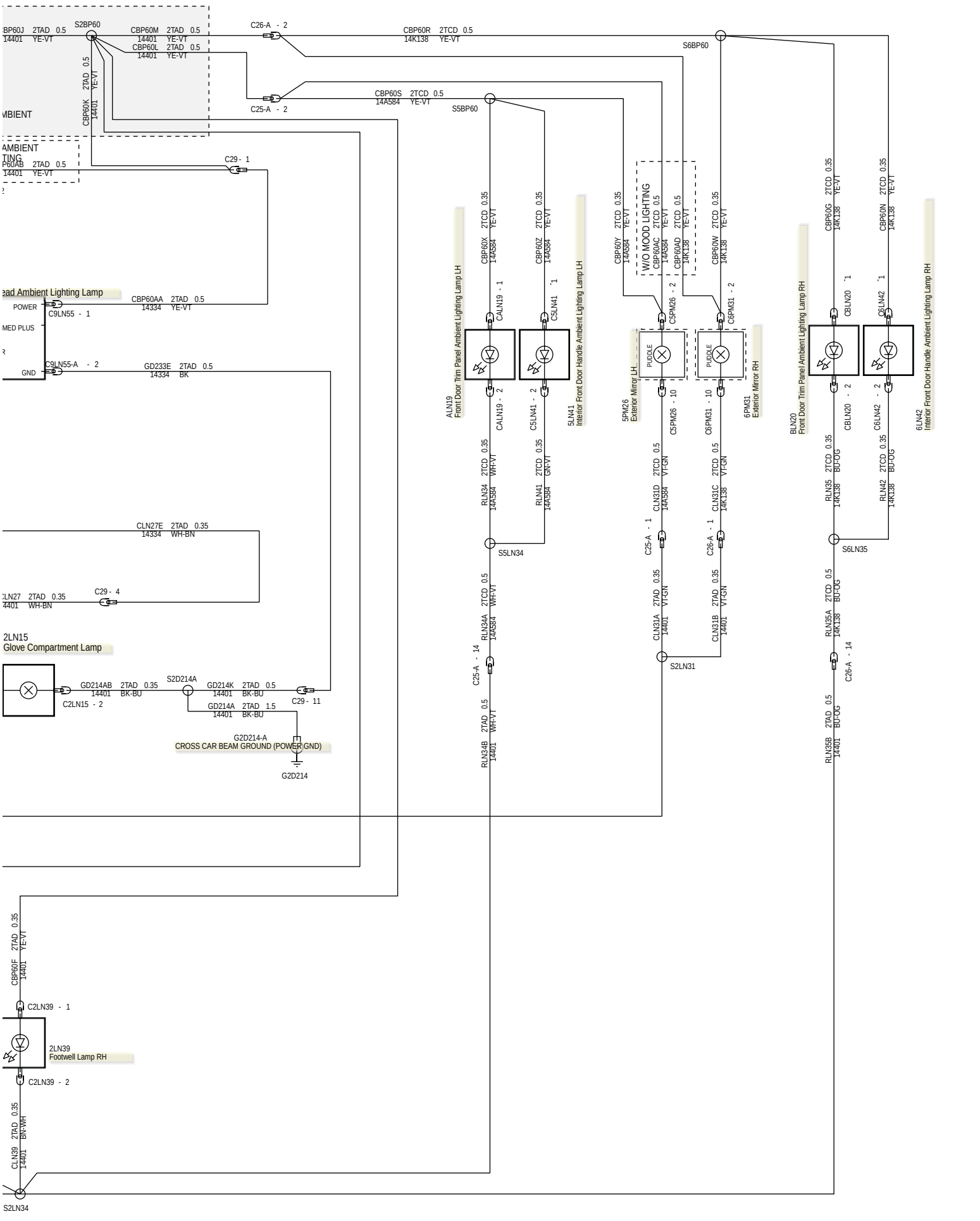


417-02-7 Courtesy and Demand Lighting—Super Cab, LHD 4WD/LHD RWD

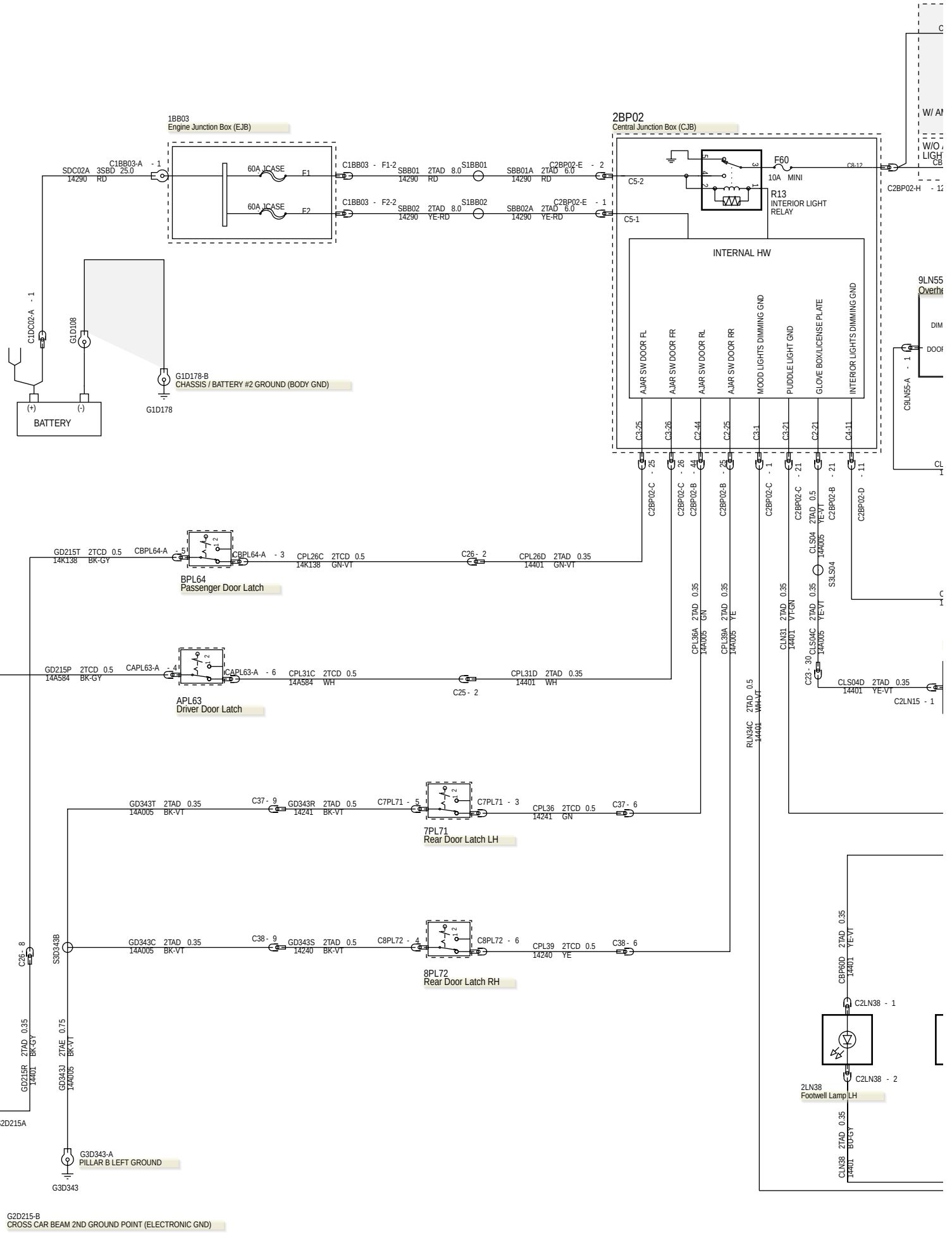



1BB03
Engine Junction Box (EJB)
2BP02
Central Junction Box (CJB)
SDC02A 3SBD 25.0 14290 RD
C1BB03-A - 1
60A JCASE F1
60A JCASE F2
C1BB03 - F1-2
C1BB03 - F2-2
SBB01 2TAD 8.0 14290 RD
SBB02 2TAD 8.0 14290 YE-RD
S1BB01
S1BB02
SBB01A 2TAD 6.0 14290 RD
SBB02A 2TAD 6.0 14290 YE-RD
C2BP02-E - 2
C2BP02-E - 1
C5-2
C5-1
F60
10A MINI
R13
INTERIOR LIGHT RELAY
INTERNAL HW
AJAR SW DOOR FL
AJAR SW DOOR FR
AJAR SW DOOR RL
AJAR SW DOOR RR
MOOD LIGHTS DIMMING GND
PUDDLE LIGHT GND
GLOVE BOX/LICENSE PLATE
INTERIOR LIGHTS DIMMING GND
C3-25
C3-26
C2-44
C2-25
C3-1
C3-21
C2-21
C4-11
C1DC02-A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
(+)
(-)
BATTERY
C2BP02-C - 25
C2BP02-C - 26
C2BP02-C - 1
C2BP02-C - 21
C2BP02-B - 21
C2BP02-D - 11
GD215T 2TCD 0.5 14K138 BK-GY
CBPL64-A - 5
CBPL64-A - 3
CPL26C 2TCD 0.5 14K138 GN-VT
C26 - 2
CPL26D 2TAD 0.35 14401 GN-VT
BPL64
Passenger Door Latch
GD215P 2TCD 0.5 14A584 BK-GY
CAPL63-A - 4
CAPL63-A - 6
CPL31C 2TCD 0.5 14A584 WH
C25 - 2
CPL31D 2TAD 0.35 14401 WH
APL63
Driver Door Latch
CLS04 14A005
S3LS04
CLN31 2TAD 0.35 14401 VT-GN
2TAD 0.35 YE-VT
C23 - 30
CLS04C 14A005
CLS04D 2TAD 0.35 14401 YE-VT
C2LN15 - 1
RLN34C 2TAD 0.5 14401 WH-VT
C25 - 8
C26 - 8
GD215K 2TAD 0.35 14401 BK-GY
GD215R 2TAD 0.35 14401 BK-GY
S2D215A
GD215D 2TAD 1.0 14401 BK-GY
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215
CBP60D 2TAD 0.35 14401 YE-VT
C2LN38 - 1
C2LN38 - 2
2LN38
Footwell Lamp LH
CLN38 2TAD 0.35 14401 BU-GY
C2BP02-H - 12
C9LN55-A - 1
9LN55
Overhe
DIM
DOOR
W/ AM
W/O A
LIGHT
CB
C8-12

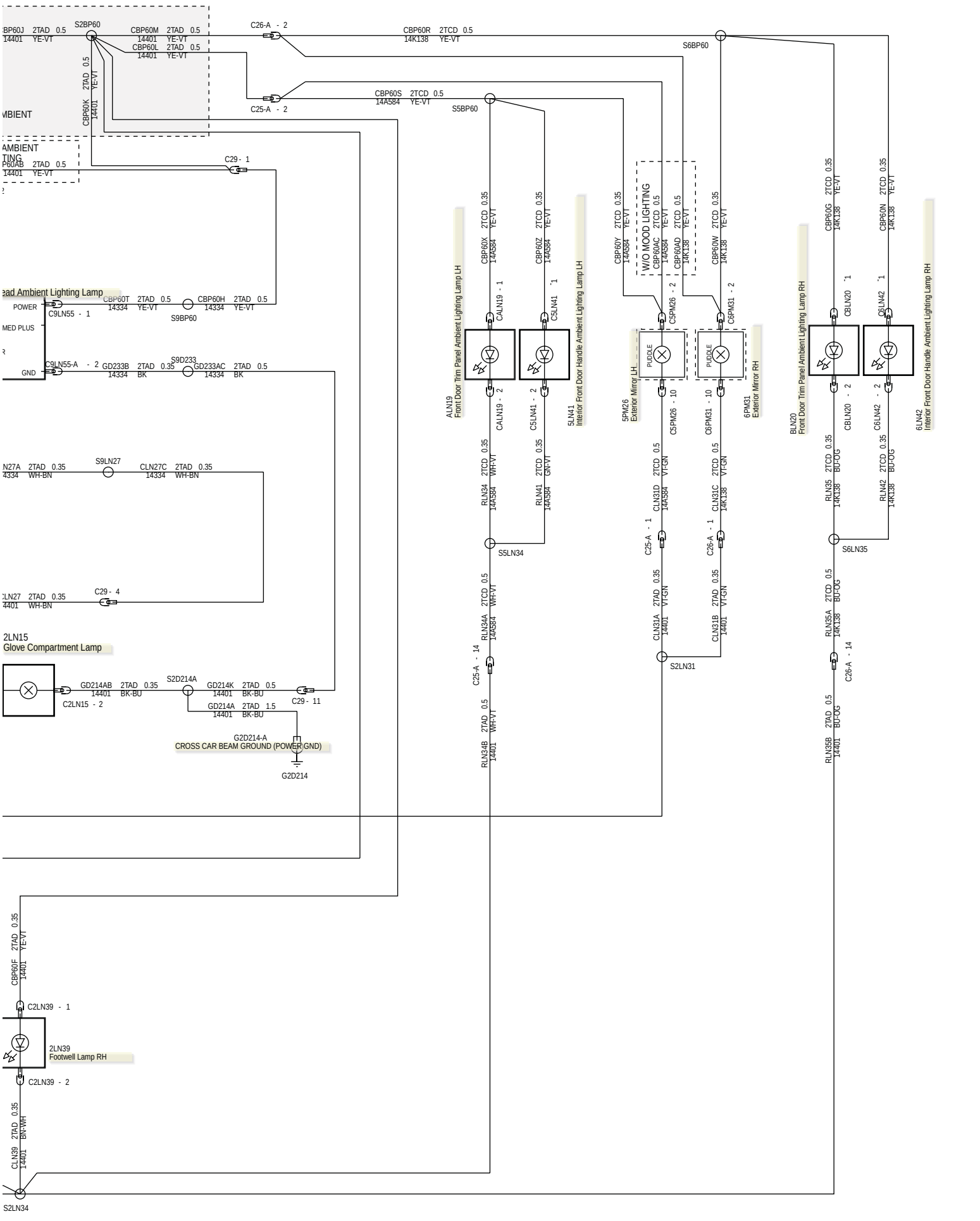
417-02-9 Courtesy and Demand Lighting—Single Cab, RHD 4WD/RHD RWD



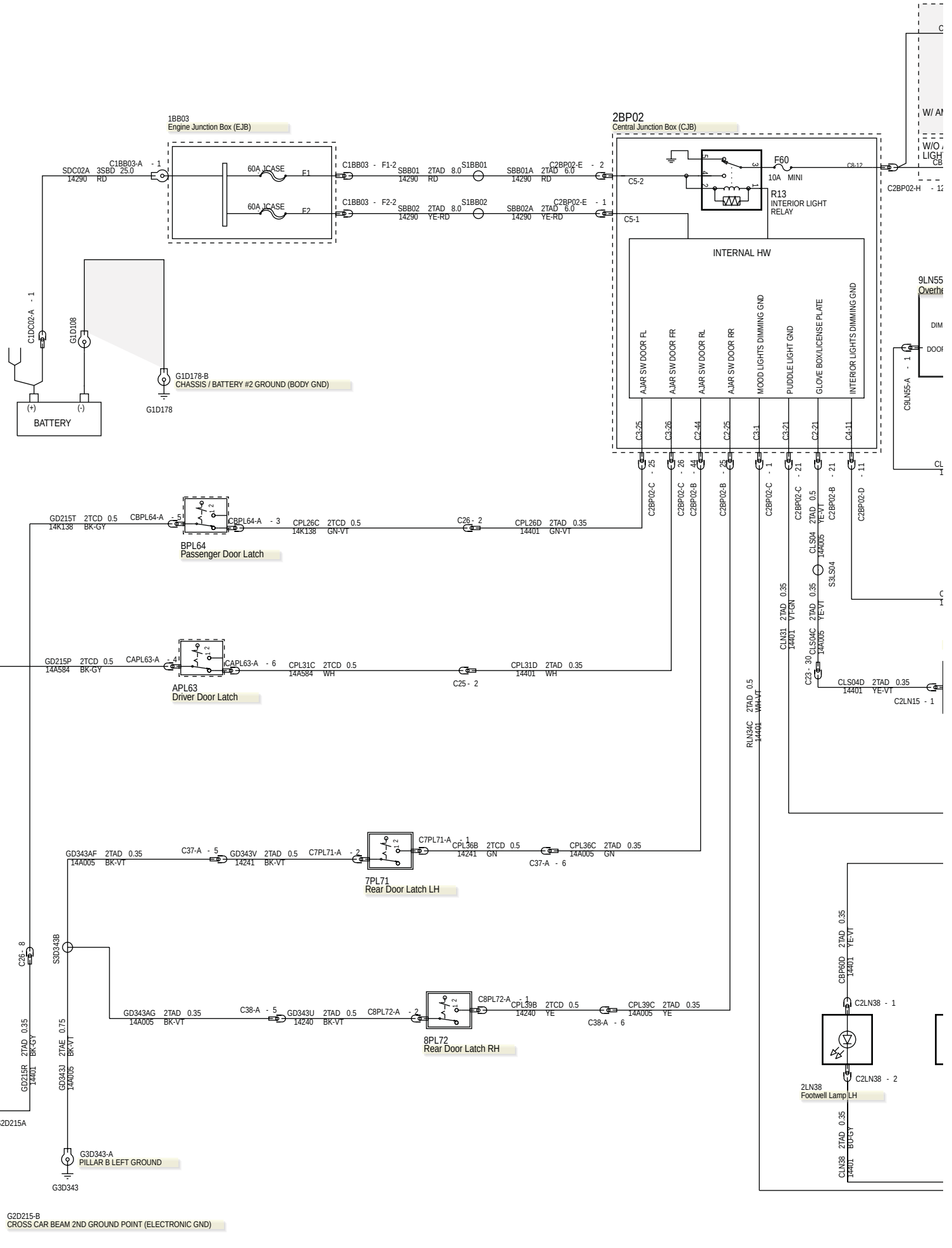
417-02-10 Courtesy and Demand Lighting—Double Cab, RHD 4WD/RHD RWD



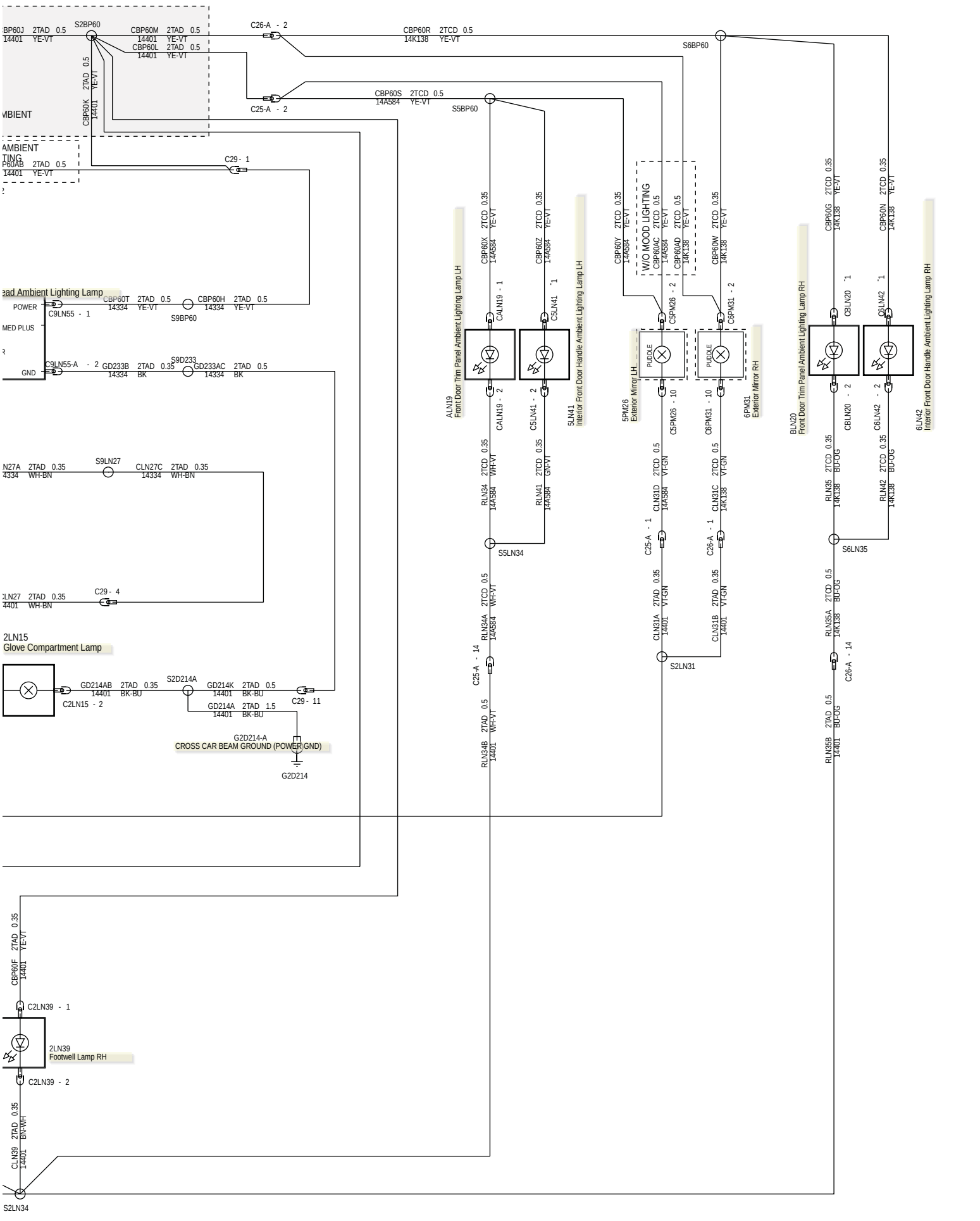
417-02-11 Courtesy and Demand Lighting—Double Cab, RHD 4WD/RHD RWD



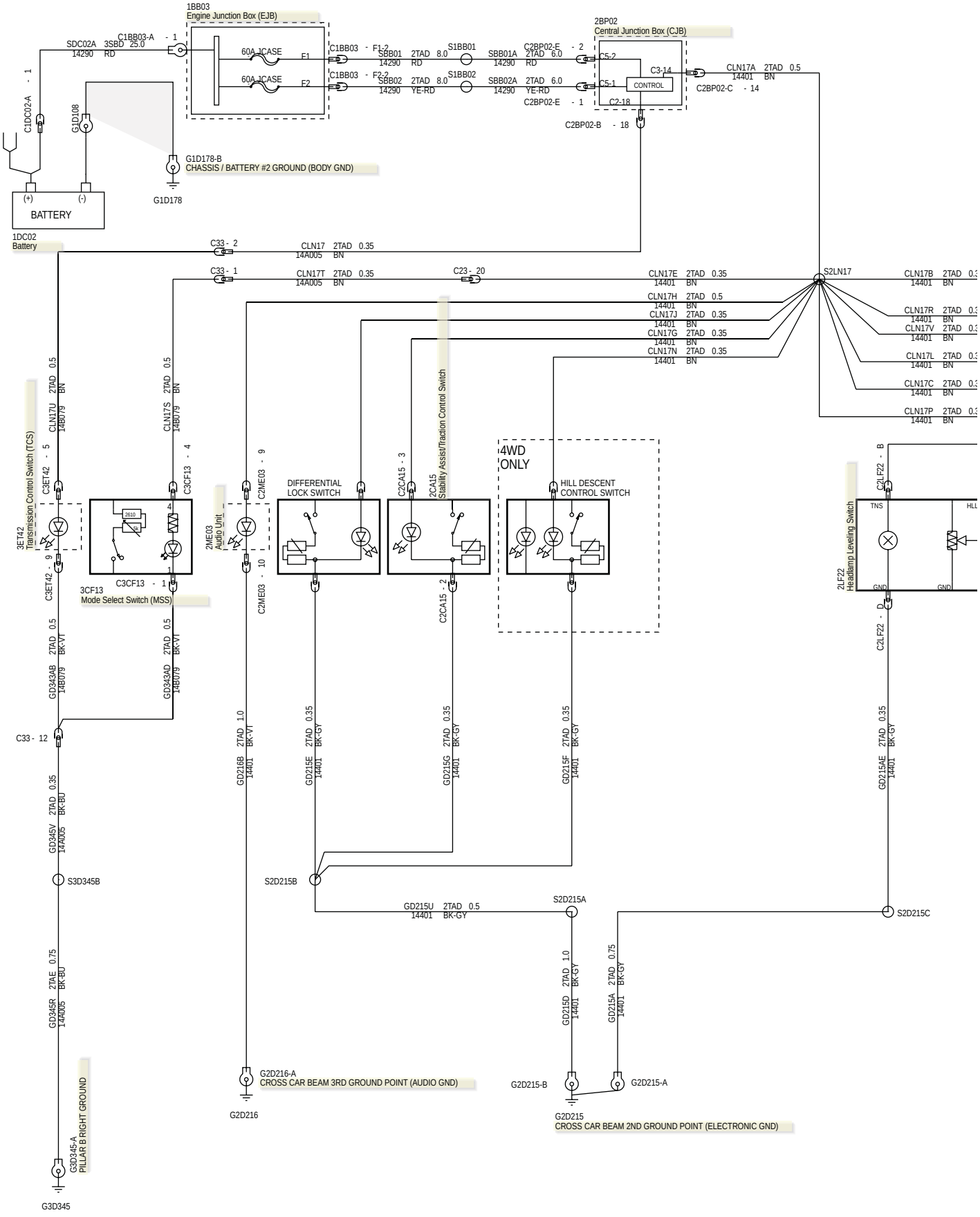
417-02-12 Courtesy and Demand Lighting—Super Cab, RHD 4WD/RHD RWD

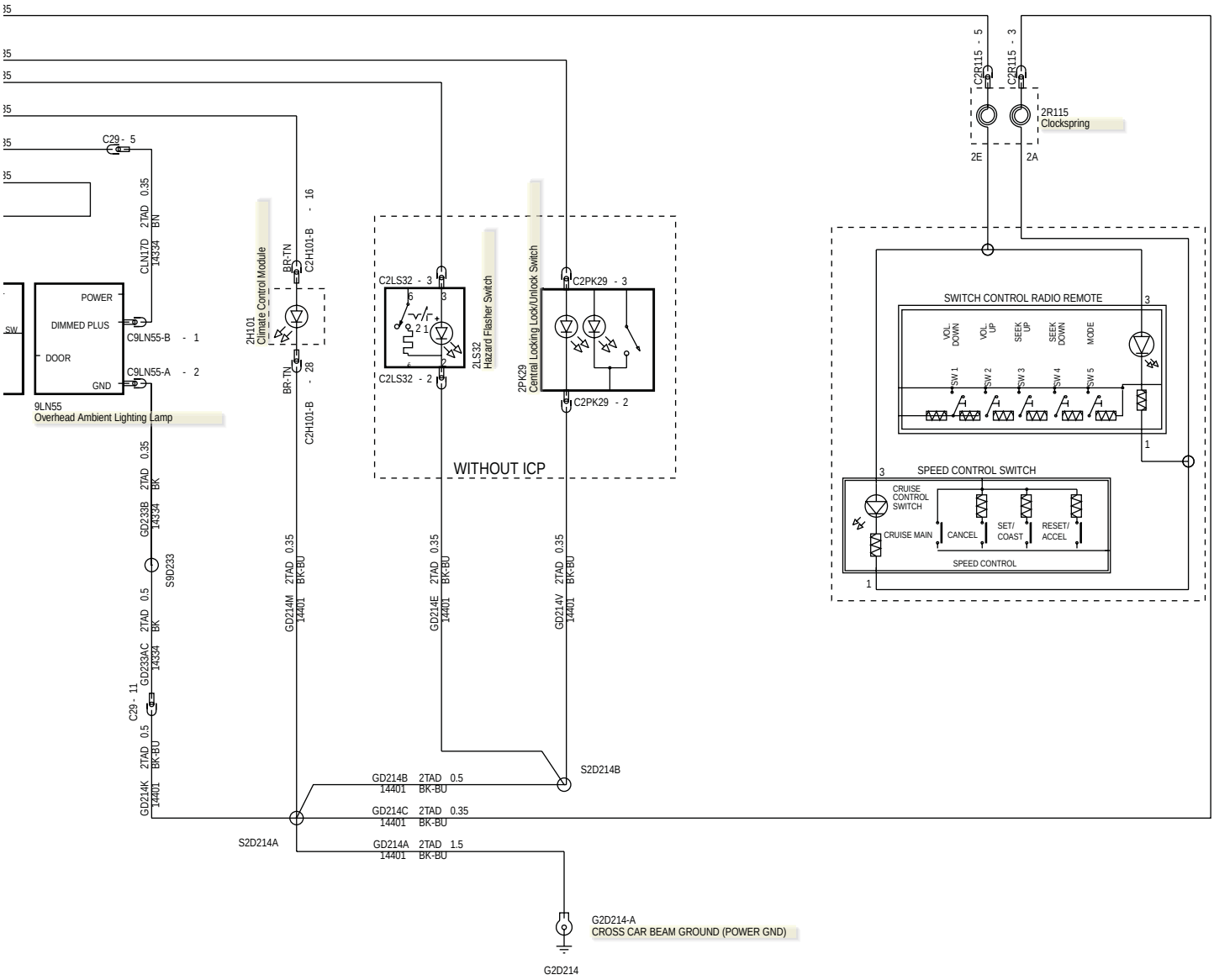


417-02-13 Courtesy and Demand Lighting—Super Cab, RHD 4WD/RHD RWD

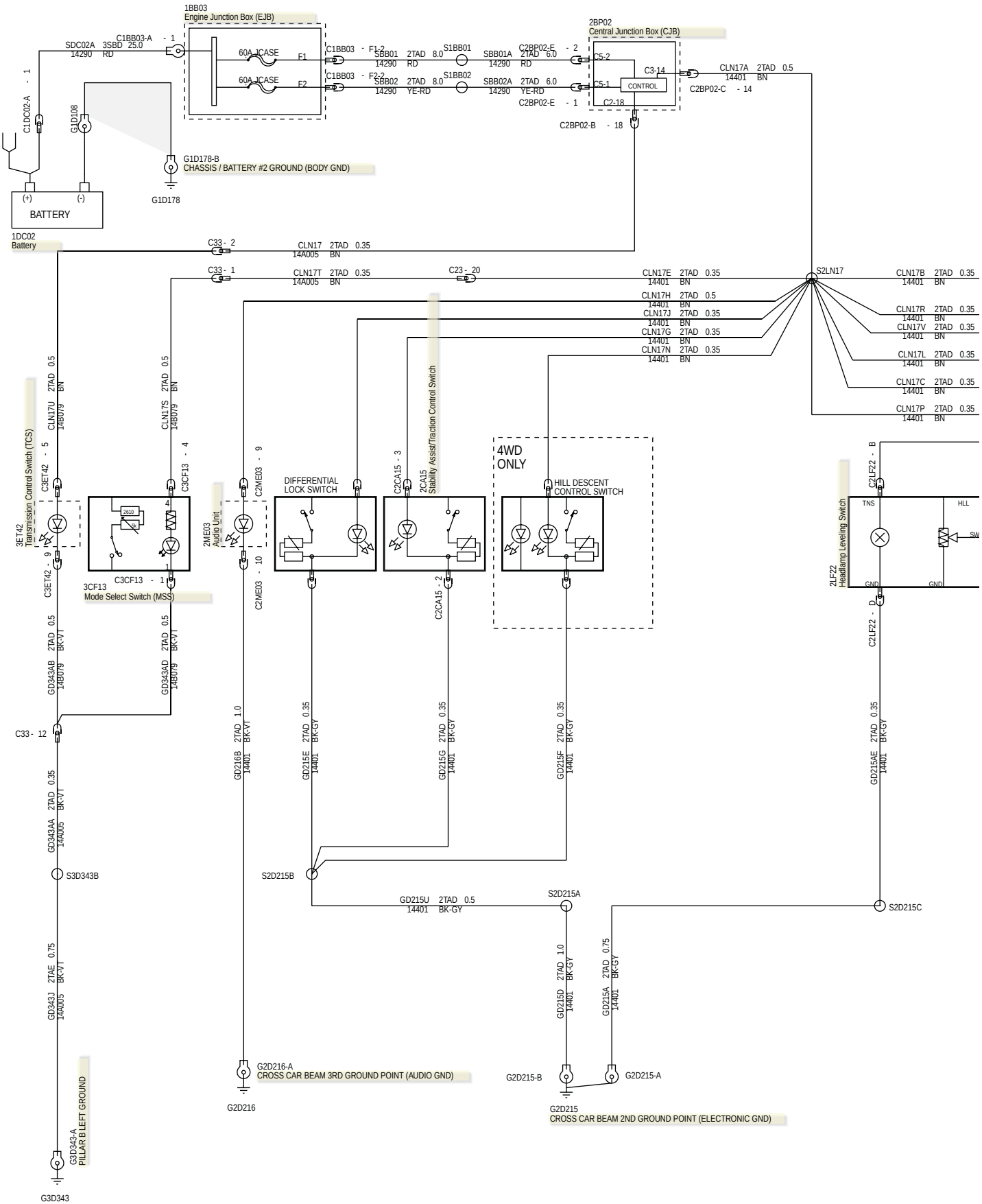


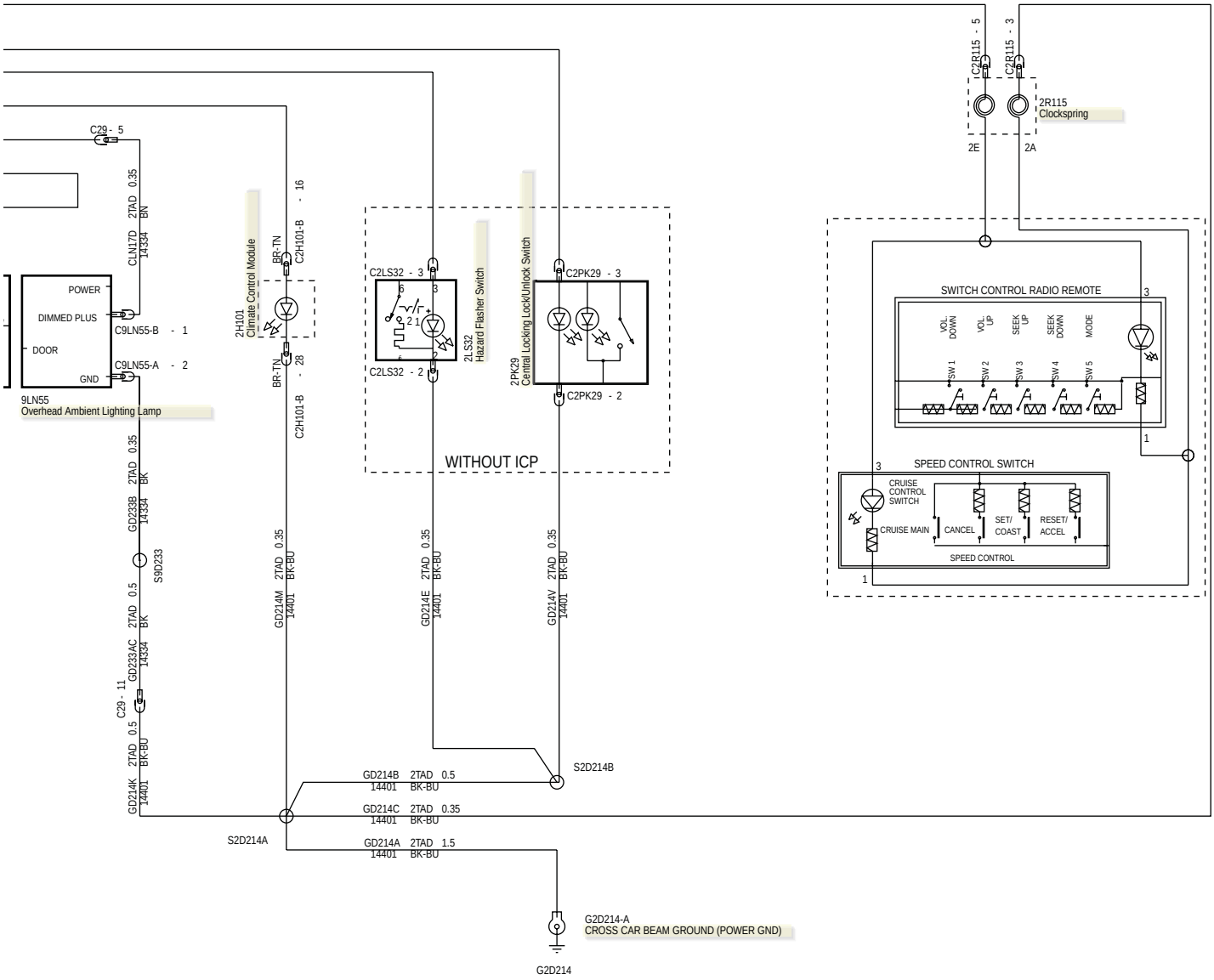
417-02-14 Instrument Cluster and Panel Illumination—LHD 4WD/LHD RWD




C29 - 5
CLN17D 0.35 2TAD BN 14334
POWER
DIMMED PLUS
DOOR
GND
C9LN55-B - 1
C9LN55-A - 2
9LN55
Overhead Ambient Lighting Lamp
2H101
Climate Control Module
BR-TN
C2H101-B - 16
BR-TN
C2H101-B - 28
C2LS32 - 3
C2LS32 - 2
2LS32
Hazard Flasher Switch
2PK29
Central Locking Lock/Unlock Switch
C2PK29 - 3
C2PK29 - 2
WITHOUT ICP
C2R115 - 5
C2R115 - 3
2R115
Clockspring
2E
2A
SWITCH CONTROL RADIO REMOTE
VOL DOWN
VOL UP
SEEK UP
SEEK DOWN
MODE
SW 1
SW 2
SW 3
SW 4
SW 5
SPEED CONTROL SWITCH
CRUISE CONTROL SWITCH
CRUISE MAIN
CANCEL
SET/ COAST
RESET/ ACCEL
SPEED CONTROL
GD233B 2TAD 0.35 BK 14334
S9D233
GD233AC 2TAD 0.5 BK 14334
C29 - 11
GD214K 2TAD 0.5 BK-BU 14401
GD214M 2TAD 0.35 BK-BU 14401
GD214E 2TAD 0.35 BK-BU 14401
GD214V 2TAD 0.35 BK-BU 14401
S2D214B
GD214B 2TAD 0.5 BK-BU 14401
GD214C 2TAD 0.35 BK-BU 14401
S2D214A
GD214A 2TAD 1.5 BK-BU 14401
G2D214-A
CROSS CAR BEAM GROUND (POWER GND)
G2D214

417-02-16 Instrument Cluster and Panel Illumination—RHD 4WD/RHD RWD




C29 - 5
CLN17D 0.35 2TAD BN 14334
POWER
DIMMED PLUS
DOOR
GND
C9LN55-B - 1
C9LN55-A - 2
9LN55
Overhead Ambient Lighting Lamp
2H101
Climate Control Module
BR-TN
C2H101-B - 16
BR-TN
C2H101-B - 28
C2LS32 - 3
C2LS32 - 2
2LS32
Hazard Flasher Switch
C2PK29 - 3
C2PK29 - 2
2PK29
Central Locking Lock/Unlock Switch
WITHOUT ICP
C2R115 - 5
C2R115 - 3
2R115
Clockspring
2E
2A
SWITCH CONTROL RADIO REMOTE
VOL. DOWN
VOL. UP
SEEK UP
SEEK DOWN
MODE
SW 1
SW 2
SW 3
SW 4
SW 5
SPEED CONTROL SWITCH
CRUISE CONTROL SWITCH
CRUISE MAIN
CANCEL
SET/ COAST
RESET/ ACCEL
SPEED CONTROL
S9D233
GD233B 0.35 2TAD BK 14334
GD233AC 0.5 2TAD BK 14334
C29 - 11
GD214K 0.5 2TAD BK-BU 14401
GD214M 0.35 2TAD BK-BU 14401
GD214E 0.35 2TAD BK-BU 14401
GD214V 0.35 2TAD BK-BU 14401
S2D214B
GD214B 0.5 2TAD BK-BU 14401
GD214C 0.35 2TAD BK-BU 14401
S2D214A
GD214A 1.5 2TAD BK-BU 14401
G2D214-A
CROSS CAR BEAM GROUND (POWER GND)
G2D214

Footwell Lamp LH (G1404517)



1 CBP60D YE-VT 2TAD 0.35
2 CLN38 BU-GY 2TAD 0.35
3

3M5T-14489-ACB

C2LN38
TO IP FOOTWELL DRIVER

HARNESS 14401

Footwell Lamp RH (G1404521)



1 CBP60F YE-VT 2TAD 0.35
2 CLN39 BN-WH 2TAD 0.35
3

3M5T-14489-ACB

C2LN39
TO IP FOOTWELL PASSENGER

HARNESS 14401

Front Door Trim Panel Ambient Lighting Lamp LH (G1408819)



1 CBP60X YE-VT 2TCD 0.35
2 RLN34 WH-VT 2TCD 0.35
3

3M5T-14489-ACB

CALN19
TO DRIVER FRONT DOOR MAP POCKET

HARNESS 14A584

Front Door Trim Panel Ambient Lighting Lamp RH (G1408821)



1 CBP60G YE-VT 2TCD 0.35
2 RLN35 BU-OG 2TCD 0.35
3

3M5T-14489-ACB

CBLN20
TO PASSENGER FRONT DOOR MAP POCKET

HARNESS 14K138

Glove Compartment Lamp (G1404522)

CLS04D YE-VT 2TAD 0.35 1  2 GD214AB BK-BU 2TAD 0.35

C2LN15
WBS-AL-10TB
TO GLOVE BOX LAMP
HARNESS 14401

Interior Front Door Handle Ambient Lighting Lamp LH (G1404528)



1 CBP60Z YE-VT 2TCD 0.35
2 RLN41 GN-VT 2TCD 0.35
3

3M5T-14489-ACB

C5LN41
TO DRIVER FRONT DOOR RELEASE HANDLE

HARNESS 14A584

Interior Front Door Handle Ambient Lighting Lamp RH (G1404529)



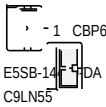
1 CBP60N YE-VT 2TCD 0.35
2 RLN42 BU-OG 2TCD 0.35
3

3M5T-14489-ACB

C6LN42
TO PASSENGER FRONT DOOR RELEASE HANDLE

HARNESS 14K138

Overhead Ambient Lighting Lamp (G1405457)



1 CBP60AA YE-VT 2TAD 0.5 + CBP60T YE-VT 2TAD 0.5

E5SB-14[illegible]DA
C9LN55
TO OVERHEAD CONSOLE 1

HARNESS 14334

Overhead Ambient Lighting Lamp—A (G1405458)



1 CLN27A WH-BN 2TAD 0.35 + CLN27E WH-BN 2TAD 0.35
2 GD233B BK 2TAD 0.35 + GD233E BK 2TAD 0.5

81AG-14488-GA

C9LN55-A
TO OVERHEAD CONSOLE 2

HARNESS 14334

Overhead Ambient Lighting Lamp—B (G1405459)



1 CLN17D BN 2TAD 0.35

6M5T-14489-GAA

C9LN55-B
TO OVERHEAD CONSOLE MOOD LIGHTING

HARNESS 14334

Rear Interior Lamp (G1404530)



1 CBP60P YE-VT 2TAD 0.5 + CBP60V YE-VT 2TAD 0.5

E5SB-14[illegible]DA
C9LN14
TO INTERIOR LAMP DOME 1

HARNESS 14334

Rear Interior Lamp—A (G1404531)

PIN 2 => GD233AB BK 0.35 2TAD



1 CLN27D WH-BN 2TAD 0.35 + CLN27B WH-BN 2TAD 0.35
2 GD233C BK 2TAD 0.5 + GD233AB BK 2TAD 0.35

81AG-14488-GA

C9LN14-A
TO INTERIOR LAMP DOME 2

HARNESS 14334

SECTION 417-04 Daytime Running Lamps (DRL)

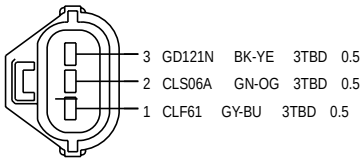
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Daytime Running Lamp RH..... 417-04-2

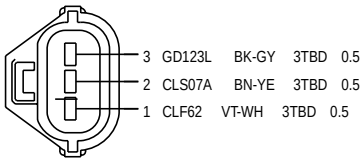
Daytime Running Lamp LH (G1404537)



6189-0177
C1LF17
TO DRL POSITION LAMP LH

HARNESS 14290

Daytime Running Lamp RH (G1404538)



6189-0177
C1LF18
TO DRL POSITION LAMP RH

HARNESS 14290

SECTION 418-00 Module Communications Network

VEHICLE APPLICATION: 2012.0 Ranger

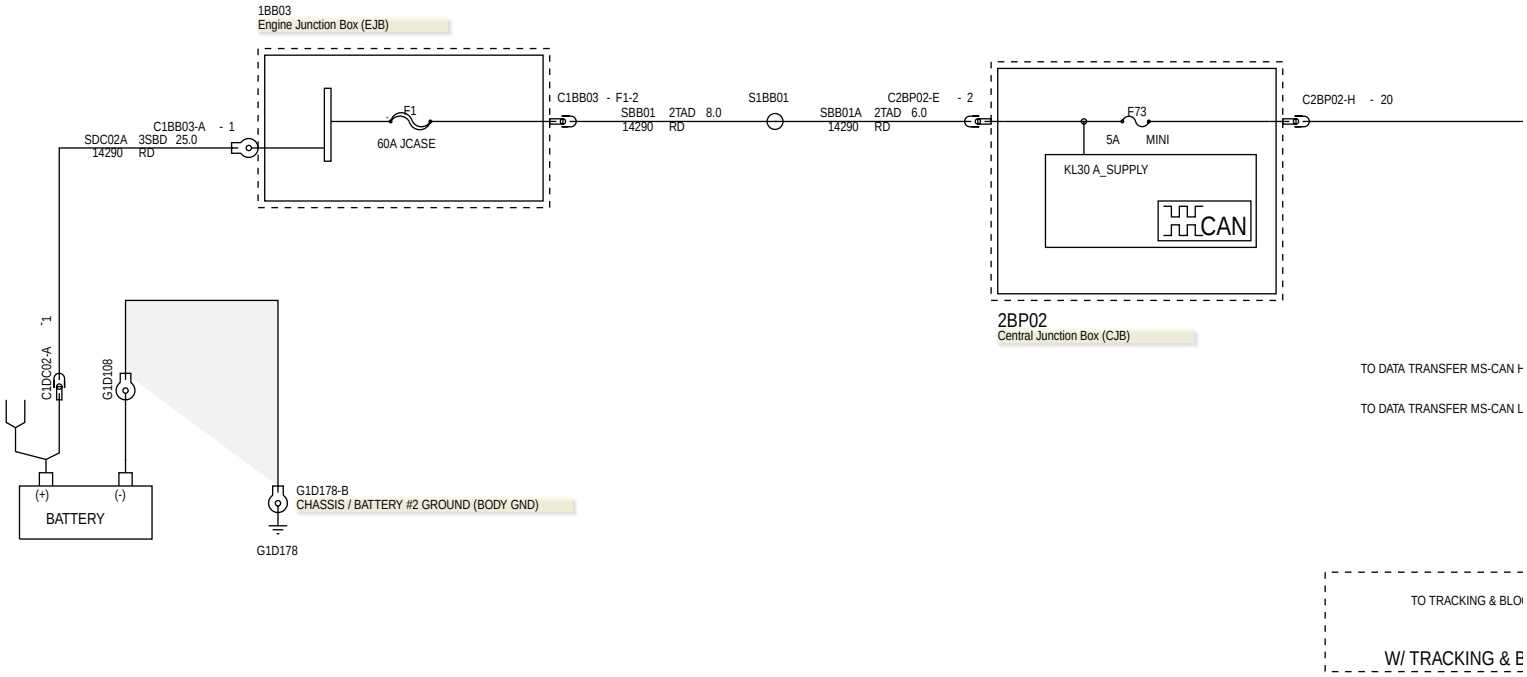
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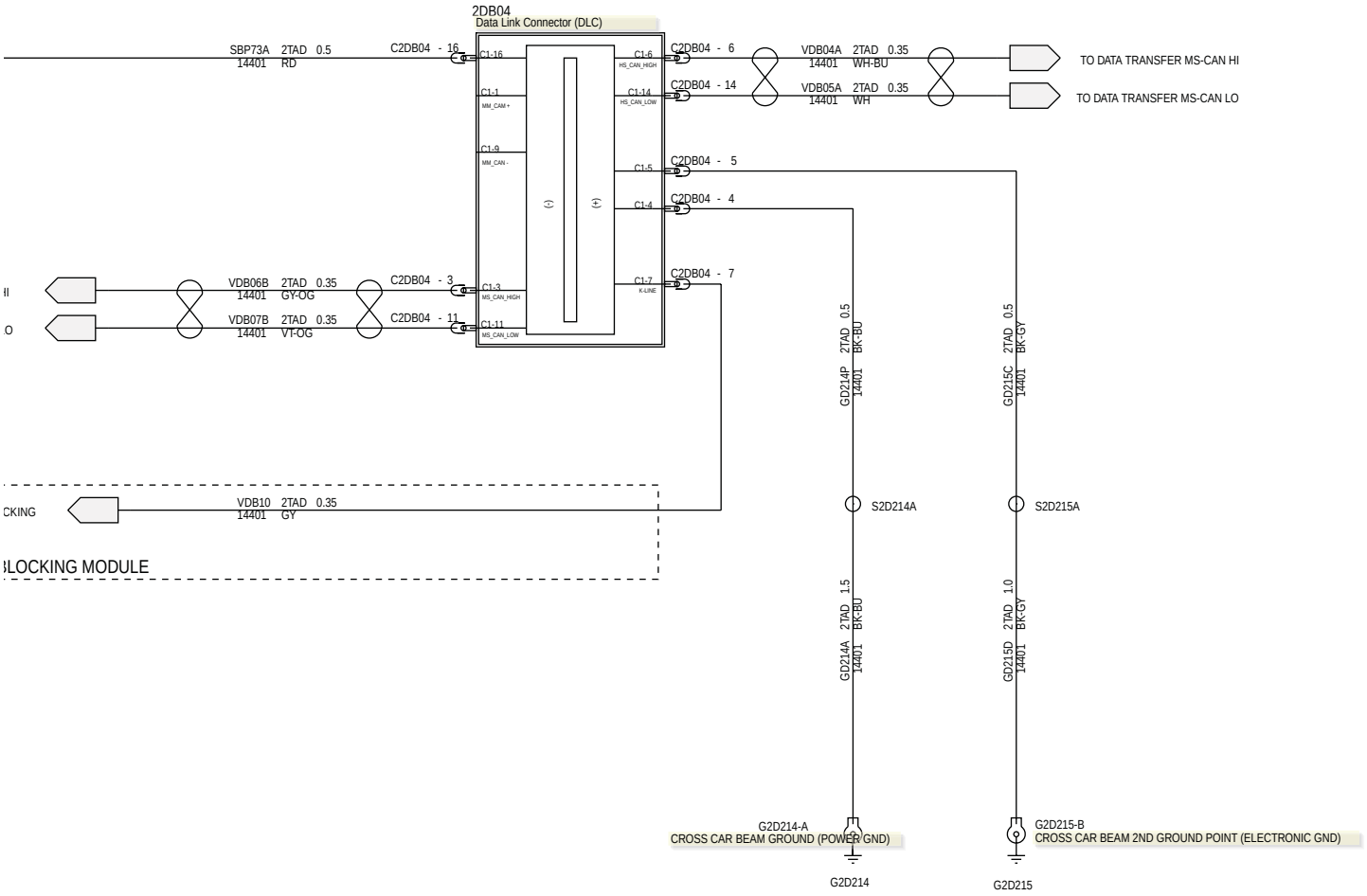
ELECTRICAL SCHEMATICS

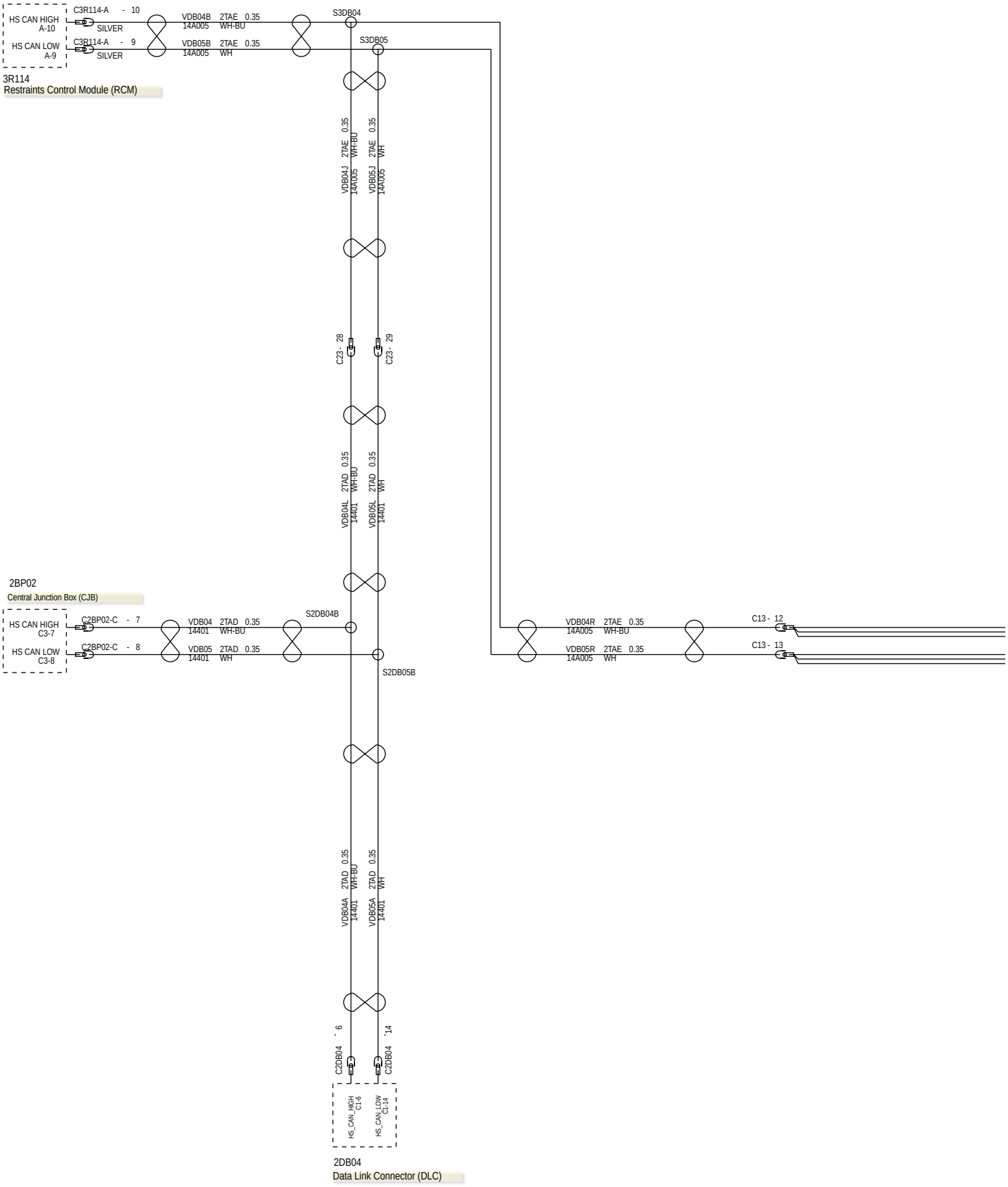
Diagnostics..... 418-00-2
Communications Network - High-Speed (HS) Controller Area Network (CAN) Bus — Vehicles With: 5-Speed Manual Transmission - MT75/6-Speed Manual Transmission - MT82..... 418-00-4
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Communications Network - Mid-Speed (MS) Controller Area Network (CAN) Bus..... 418-00-8
Communications Network - Multimedia (MM) Controller Area Network (CAN) Bus..... 418-00-10
Communications Network - Local Interconnect Network (LIN) Bus — 2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma/3.2L Duratorq-TDCi (148kW/200PS) - Puma, LHD 4WD/LHD RWD..... 418-00-12
Communications Network - Local Interconnect Network (LIN) Bus — 2.5L Duratec-HE (122kW/165PS) - MI4, LHD 4WD/LHD RWD..... 418-00-14
Communications Network - Local Interconnect Network (LIN) Bus — 2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma/3.2L Duratorq-TDCi (148kW/200PS) - Puma, RHD 4WD/RHD RWD..... 418-00-16
Communications Network - Local Interconnect Network (LIN) Bus — 2.5L Duratec-HE (122kW/165PS) - MI4, RHD 4WD/RHD RWD..... 418-00-18

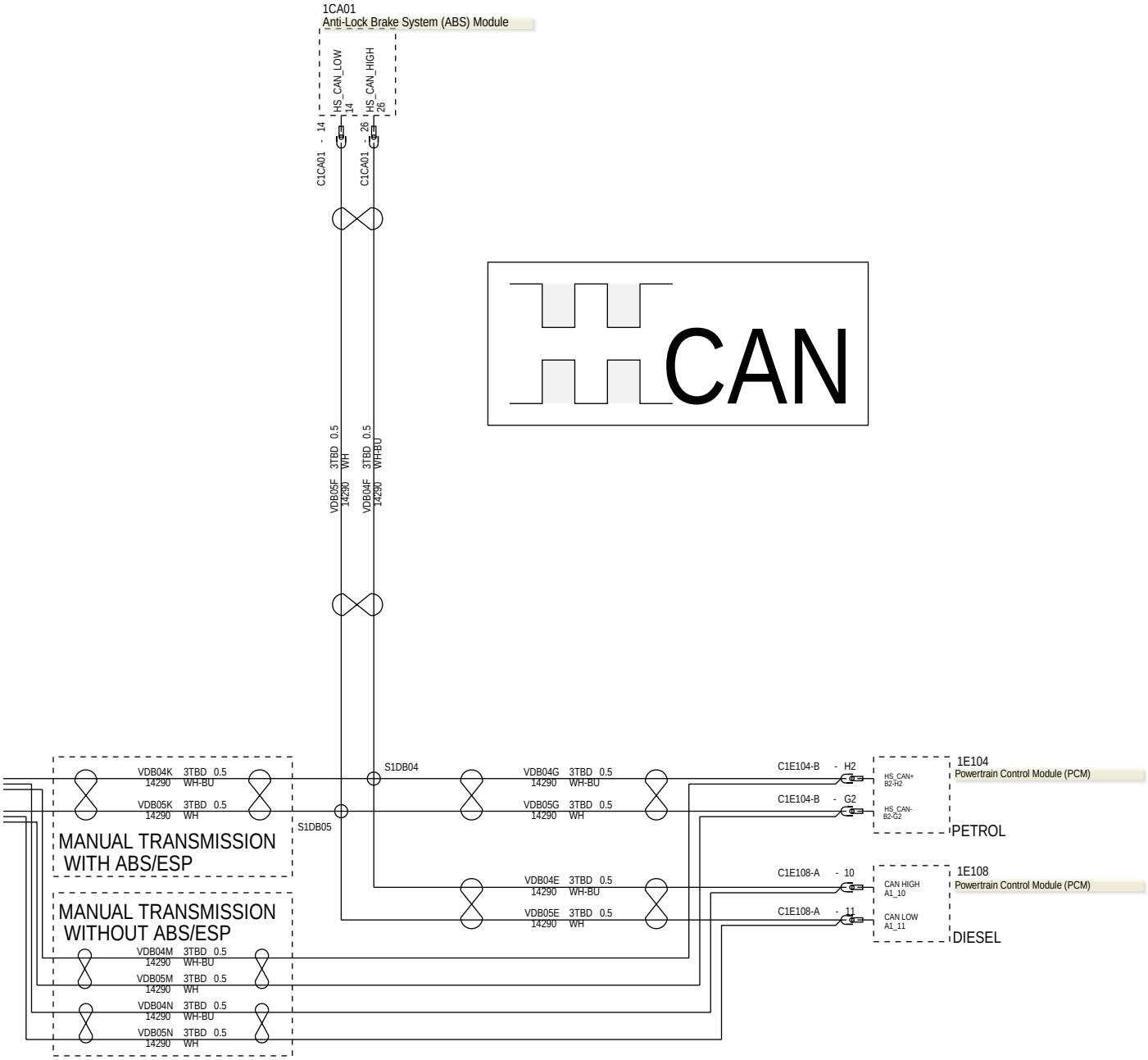
ELECTRICAL CONNECTORS

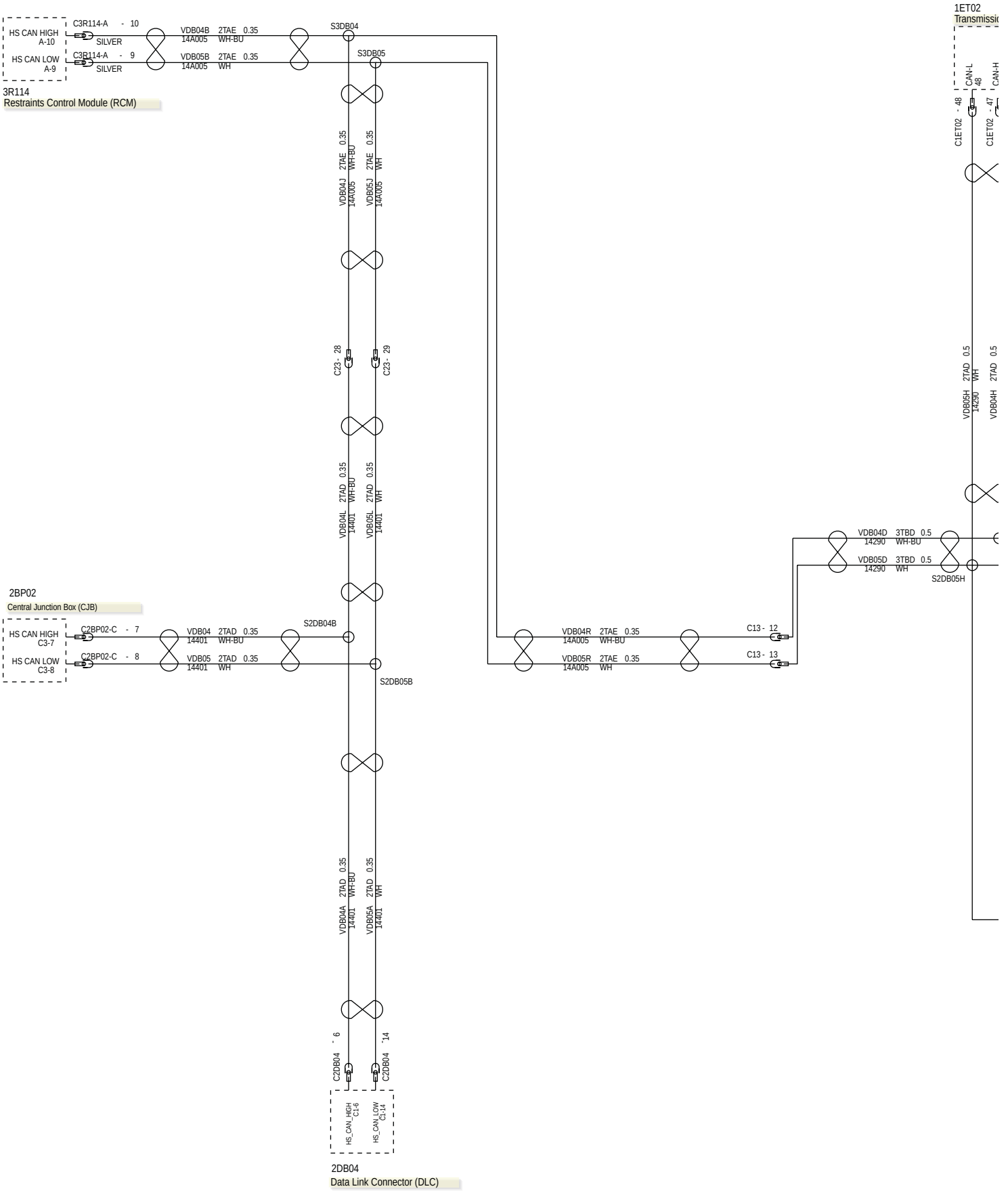
Central Junction Box (CJB) — A..... 418-00-20
Central Junction Box (CJB) — B..... 418-00-20
Central Junction Box (CJB) — C..... 418-00-21
Central Junction Box (CJB) — D..... 418-00-21
Central Junction Box (CJB) — E..... 418-00-21
Central Junction Box (CJB) — F..... 418-00-22
Central Junction Box (CJB) — G..... 418-00-22
Central Junction Box (CJB) — H..... 418-00-22
Data Link Connector (DLC)..... 418-00-23
Engine Junction Box (EJB)..... 418-00-24
Engine Junction Box (EJB) — A..... 418-00-24

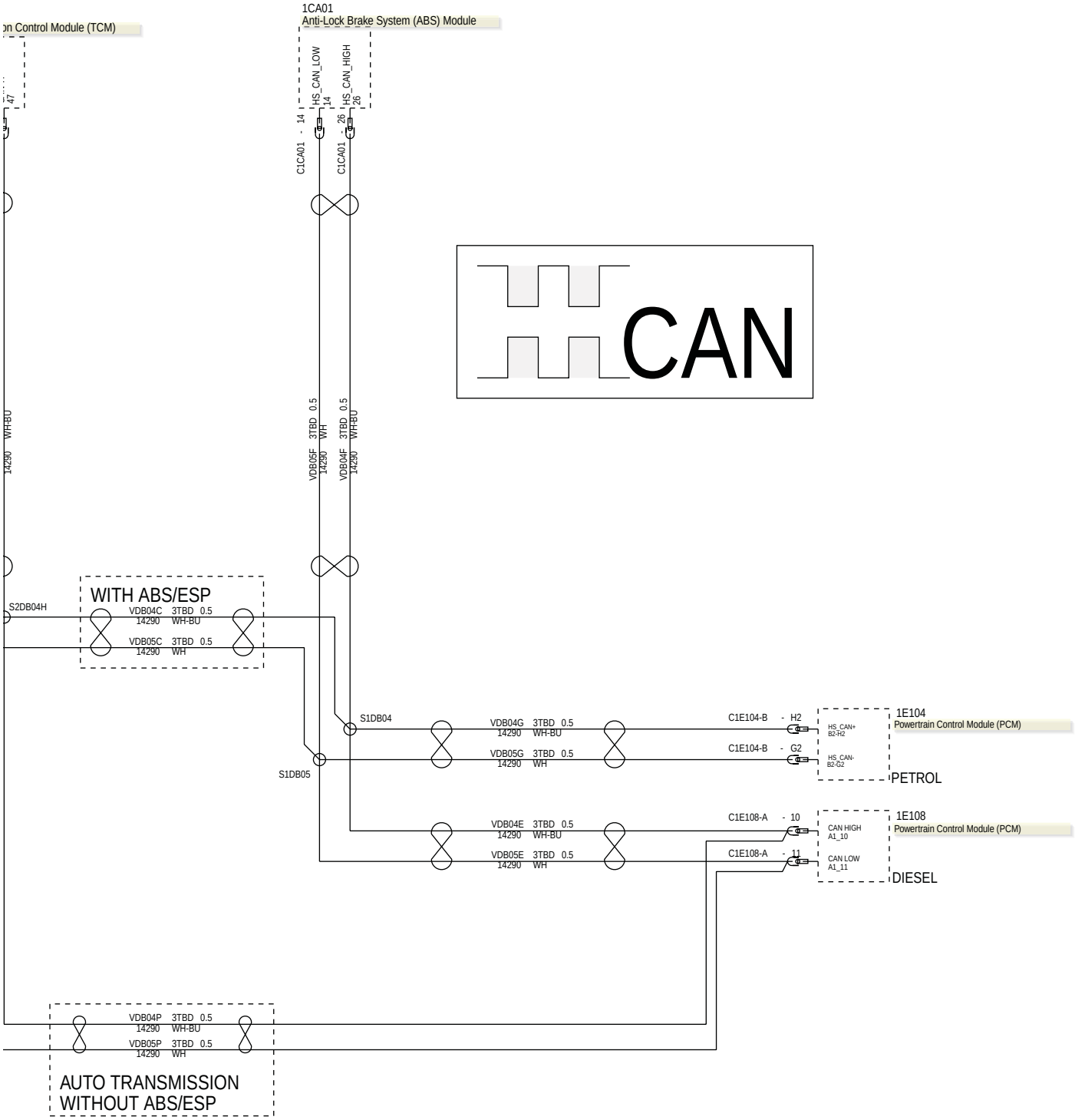

1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
SDC02A 3SBD 25.0
14290 RD
F1
60A JCASE
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
C2BP02-E - 2
SBB01A 2TAD 6.0
14290 RD
F73
5A MINI
KL30 A_SUPPLY
CAN
C2BP02-H - 20
2BP02
Central Junction Box (CJB)
TO DATA TRANSFER MS-CAN H
TO DATA TRANSFER MS-CAN L
C1DC02-A 1
G1D108
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
TO TRACKING & BLO
W/ TRACKING & B

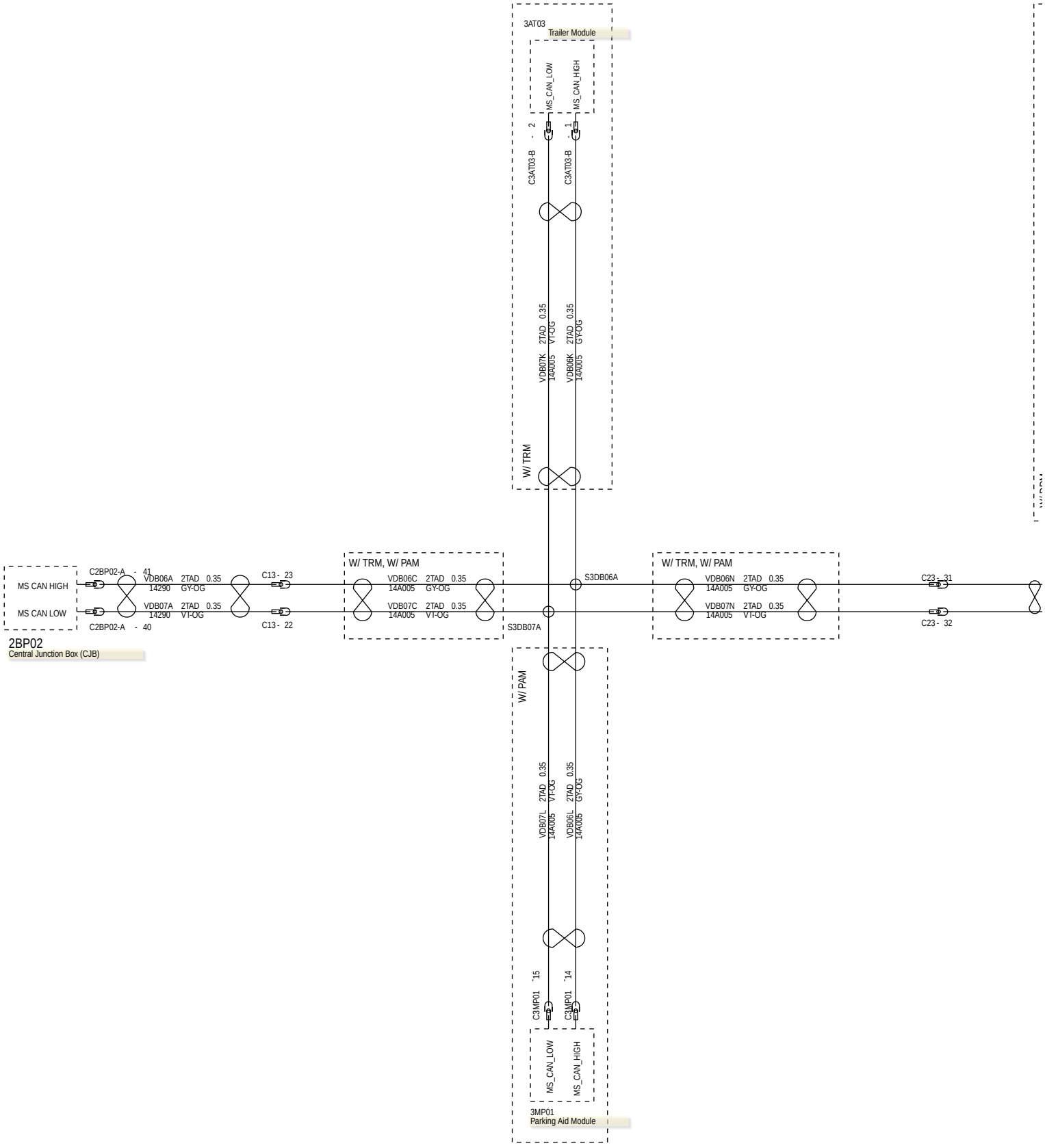

2DB04
Data Link Connector (DLC)
SBP73A 2TAD 0.5
14401 RD
C2DB04 - 16
C1-16
C1-1
MM_CAM +
C1-9
MM_CAN -
C1-6
HS_CAN_HIGH
C1-14
HS_CAN_LOW
C1-5
C1-4
C1-3
MS_CAN_HIGH
C1-7
K-LINE
C1-11
MS_CAN_LOW
(-)
(+)
C2DB04 - 6
C2DB04 - 14
C2DB04 - 5
C2DB04 - 4
C2DB04 - 7
C2DB04 - 3
C2DB04 - 11
VDB04A 2TAD 0.35
14401 WH-BU
VDB05A 2TAD 0.35
14401 WH
TO DATA TRANSFER MS-CAN HI
TO DATA TRANSFER MS-CAN LO
VDB06B 2TAD 0.35
14401 GY-OG
VDB07B 2TAD 0.35
14401 VT-OG
VDB10 2TAD 0.35
14401 GY
GD214P 2TAD 0.5
14401 BK-BU
GD215C 2TAD 0.5
14401 BK-GY
S2D214A
S2D215A
GD214A 2TAD 1.5
14401 BK-BU
GD215D 2TAD 1.0
14401 BK-GY
G2D214-A
CROSS CAR BEAM GROUND (POWER GND)
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D214
G2D215


HS CAN HIGH
A-10
HS CAN LOW
A-9
C3R114-A - 10
SILVER
C3R114-A - 9
SILVER
VDB04B 2TAE 0.35
14A005 WH-BU
VDB05B 2TAE 0.35
14A005 WH
S3DB04
S3DB05
3R114
Restraints Control Module (RCM)
VDB04J 2TAE 0.35
14A005 WH-BU
VDB05J 2TAE 0.35
14A005 WH
C23 - 28
C23 - 29
VDB04L 2TAD 0.35
14401 WH-BU
VDB05L 2TAD 0.35
14401 WH
2BP02
Central Junction Box (CJB)
HS CAN HIGH
C3-7
HS CAN LOW
C3-8
C2BP02-C - 7
C2BP02-C - 8
VDB04 2TAD 0.35
14401 WH-BU
VDB05 2TAD 0.35
14401 WH
S2DB04B
S2DB05B
VDB04R 2TAE 0.35
14A005 WH-BU
VDB05R 2TAE 0.35
14A005 WH
C13 - 12
C13 - 13
VDB04A 2TAD 0.35
14401 WH-BU
VDB05A 2TAD 0.35
14401 WH
C2DB04 - 6
C2DB04 - 14
HS_CAN_HIGH C1-6
HS_CAN_LOW C1-14
2DB04
Data Link Connector (DLC)

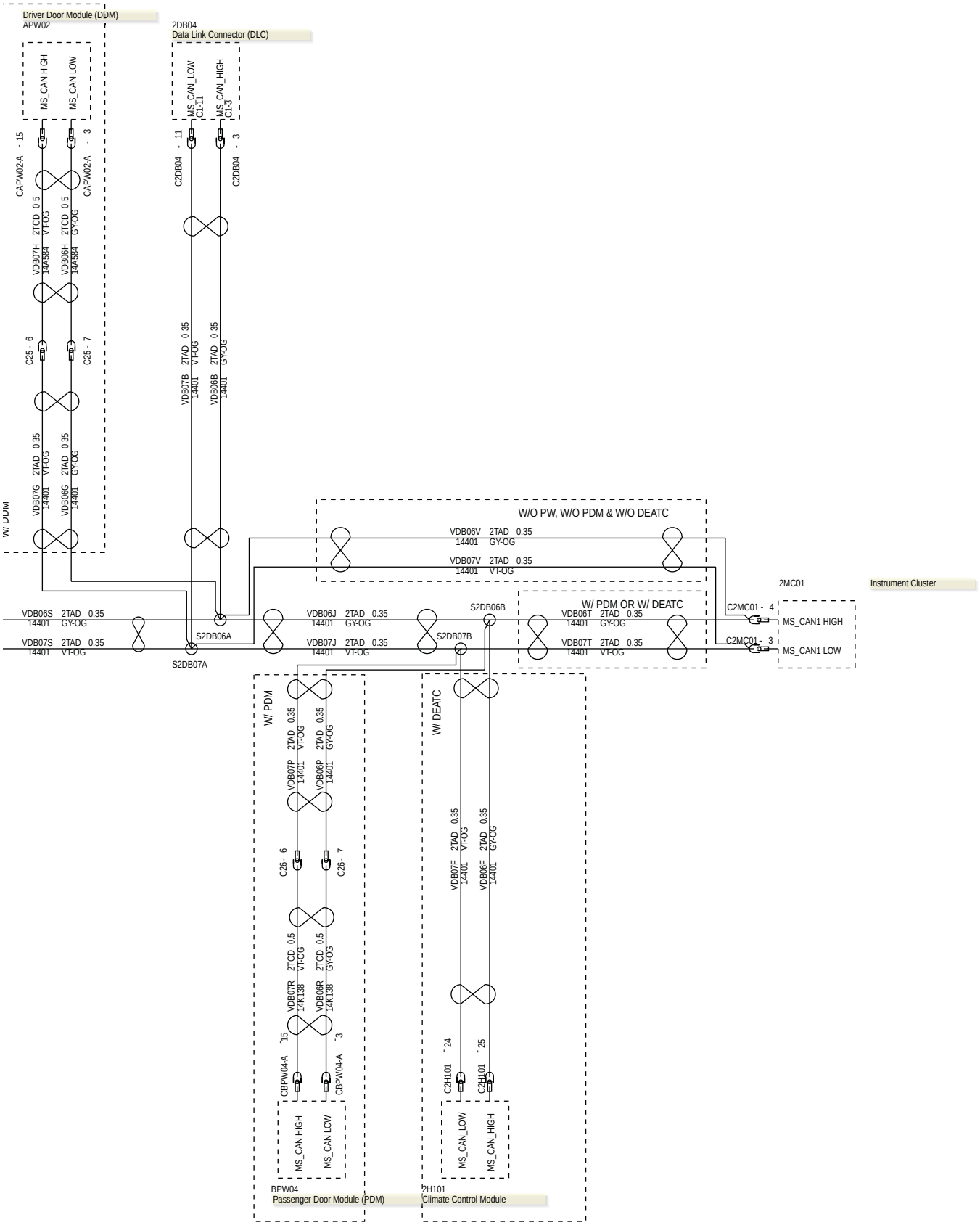

1CA01
Anti-Lock Brake System (ABS) Module
HS_CAN_LOW
14
HS_CAN_HIGH
26
C1CA01 - 14
C1CA01 - 26
CAN
VDB05F 3TBD 0.5 14290 WH
VDB04F 3TBD 0.5 14290 WH-BU
S1DB04
S1DB05
VDB04K 3TBD 0.5 14290 WH-BU
VDB05K 3TBD 0.5 14290 WH
MANUAL TRANSMISSION WITH ABS/ESP
MANUAL TRANSMISSION WITHOUT ABS/ESP
VDB04M 3TBD 0.5 14290 WH-BU
VDB05M 3TBD 0.5 14290 WH
VDB04N 3TBD 0.5 14290 WH-BU
VDB05N 3TBD 0.5 14290 WH
VDB04G 3TBD 0.5 14290 WH-BU
VDB05G 3TBD 0.5 14290 WH
VDB04E 3TBD 0.5 14290 WH-BU
VDB05E 3TBD 0.5 14290 WH
C1E104-B - H2
C1E104-B - G2
HS_CAN+ B2-H2
HS_CAN- B2-G2
1E104
Powertrain Control Module (PCM)
PETROL
C1E108-A - 10
C1E108-A - 11
CAN HIGH A1_10
CAN LOW A1_11
1E108
Powertrain Control Module (PCM)
DIESEL

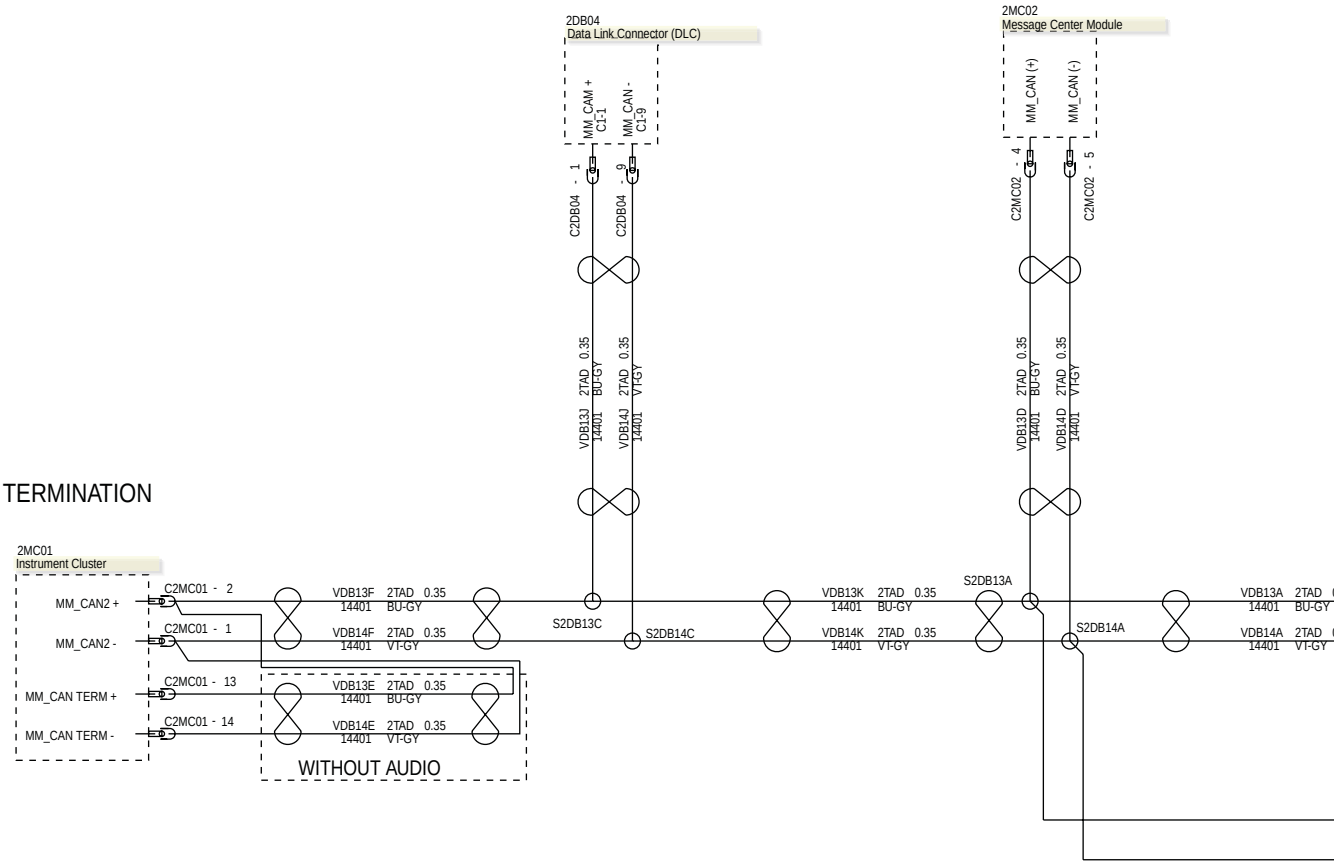

HS CAN HIGH A-10
HS CAN LOW A-9
C3R114-A - 10
C3R114-A - 9
SILVER
SILVER
VDB04B 2TAE 0.35 14A005 WH-BU
VDB05B 2TAE 0.35 14A005 WH
S3DB04
S3DB05
3R114
Restraints Control Module (RCM)
VDB04J 2TAE 0.35 14A005 WH-BU
VDB05J 2TAE 0.35 14A005 WH
C23 - 28
C23 - 29
VDB04L 2TAD 0.35 14401 WH-BU
VDB05L 2TAD 0.35 14401 WH
2BP02
Central Junction Box (CJB)
HS CAN HIGH C3-7
HS CAN LOW C3-8
C2BP02-C - 7
C2BP02-C - 8
VDB04 2TAD 0.35 14401 WH-BU
VDB05 2TAD 0.35 14401 WH
S2DB04B
S2DB05B
VDB04R 2TAE 0.35 14A005 WH-BU
VDB05R 2TAE 0.35 14A005 WH
C13 - 12
C13 - 13
VDB04D 3TBD 0.5 14290 WH-BU
VDB05D 3TBD 0.5 14290 WH
S2DB05H
1ET02
Transmissio
CAN-L 48
CAN-H
C1ET02 - 48
C1ET02 - 47
VDB05H 2TAD 0.5 14290 WH
VDB04H 2TAD 0.5
VDB04A 2TAD 0.35 14401 WH-BU
VDB05A 2TAD 0.35 14401 WH
C2DB04 - 6
C2DB04 - 14
HS_CAN_HIGH C1-6
HS_CAN_LOW C1-14
2DB04
Data Link Connector (DLC)

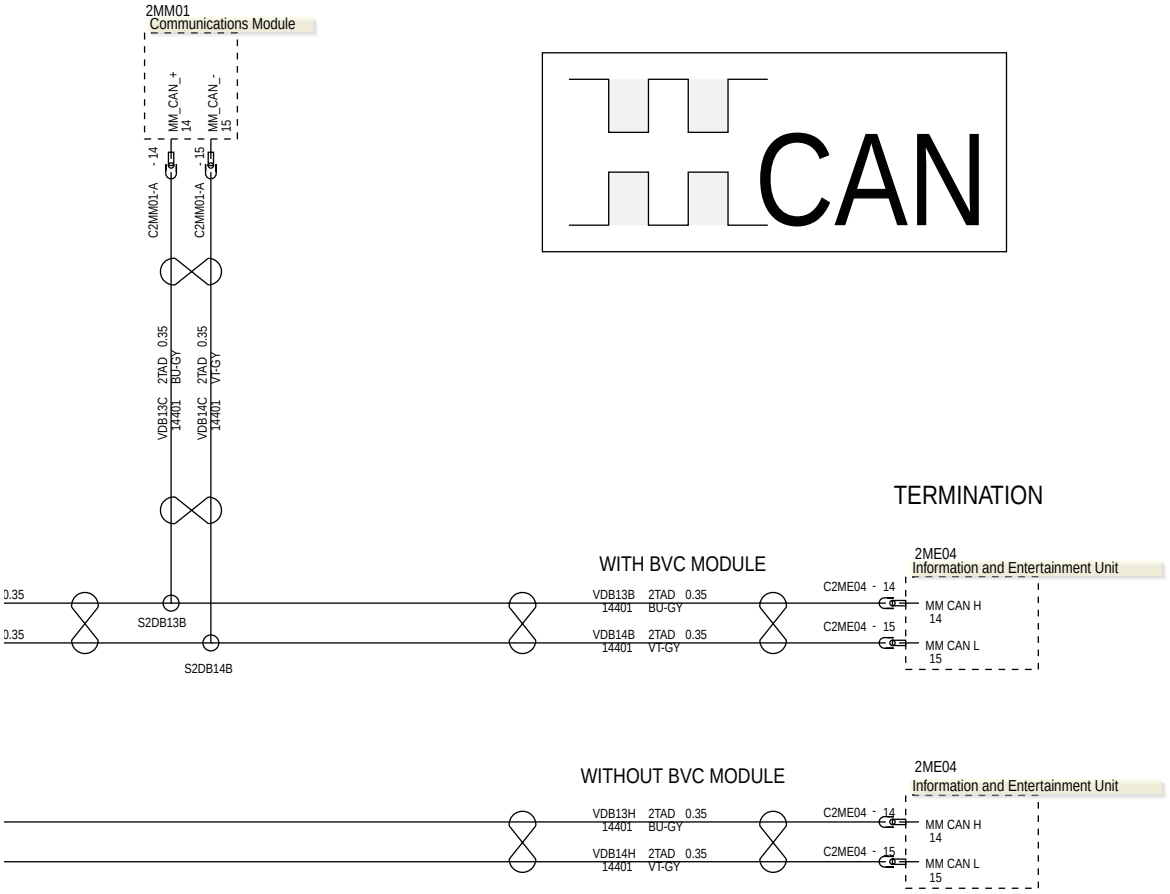

1CA01
Anti-Lock Brake System (ABS) Module
HS_CAN_LOW
14
HS_CAN_HIGH
26
C1CA01 - 14
C1CA01 - 26
CAN
VDB05F 3TBD 0.5
14290 WH
VDB04F 3TBD 0.5
14290 WH-BU
WITH ABS/ESP
S2DB04H
VDB04C 3TBD 0.5
14290 WH-BU
VDB05C 3TBD 0.5
14290 WH
S1DB04
S1DB05
VDB04G 3TBD 0.5
14290 WH-BU
VDB05G 3TBD 0.5
14290 WH
C1E104-B - H2
C1E104-B - G2
HS_CAN+
B2-H2
HS_CAN-
B2-G2
1E104
Powertrain Control Module (PCM)
PETROL
VDB04E 3TBD 0.5
14290 WH-BU
VDB05E 3TBD 0.5
14290 WH
C1E108-A - 10
C1E108-A - 11
CAN HIGH
A1_10
CAN LOW
A1_11
1E108
Powertrain Control Module (PCM)
DIESEL
VDB04P 3TBD 0.5
14290 WH-BU
VDB05P 3TBD 0.5
14290 WH
AUTO TRANSMISSION
WITHOUT ABS/ESP


3AT03
Trailer Module
MS_CAN_LOW
MS_CAN_HIGH
2
1
C3AT03-B
C3AT03-B
VDB07K 2TAD 0.35 14A005 VT-OG
VDB06K 2TAD 0.35 14A005 GY-OG
W/ TRM
MS CAN HIGH
MS CAN LOW
C2BP02-A 41
C2BP02-A 40
VDB06A 2TAD 0.35 14290 GY-OG
VDB07A 2TAD 0.35 14290 VT-OG
C13 - 23
C13 - 22
2BP02
Central Junction Box (CJB)
W/ TRM, W/ PAM
VDB06C 2TAD 0.35 14A005 GY-OG
VDB07C 2TAD 0.35 14A005 VT-OG
S3DB06A
S3DB07A
W/ TRM, W/ PAM
VDB06N 2TAD 0.35 14A005 GY-OG
VDB07N 2TAD 0.35 14A005 VT-OG
C23 - 31
C23 - 32
W/ PAM
VDB07L 2TAD 0.35 14A005 VT-OG
VDB06L 2TAD 0.35 14A005 GY-OG
15
14
C3MP01
C3MP01
MS_CAN_LOW
MS_CAN_HIGH
3MP01
Parking Aid Module

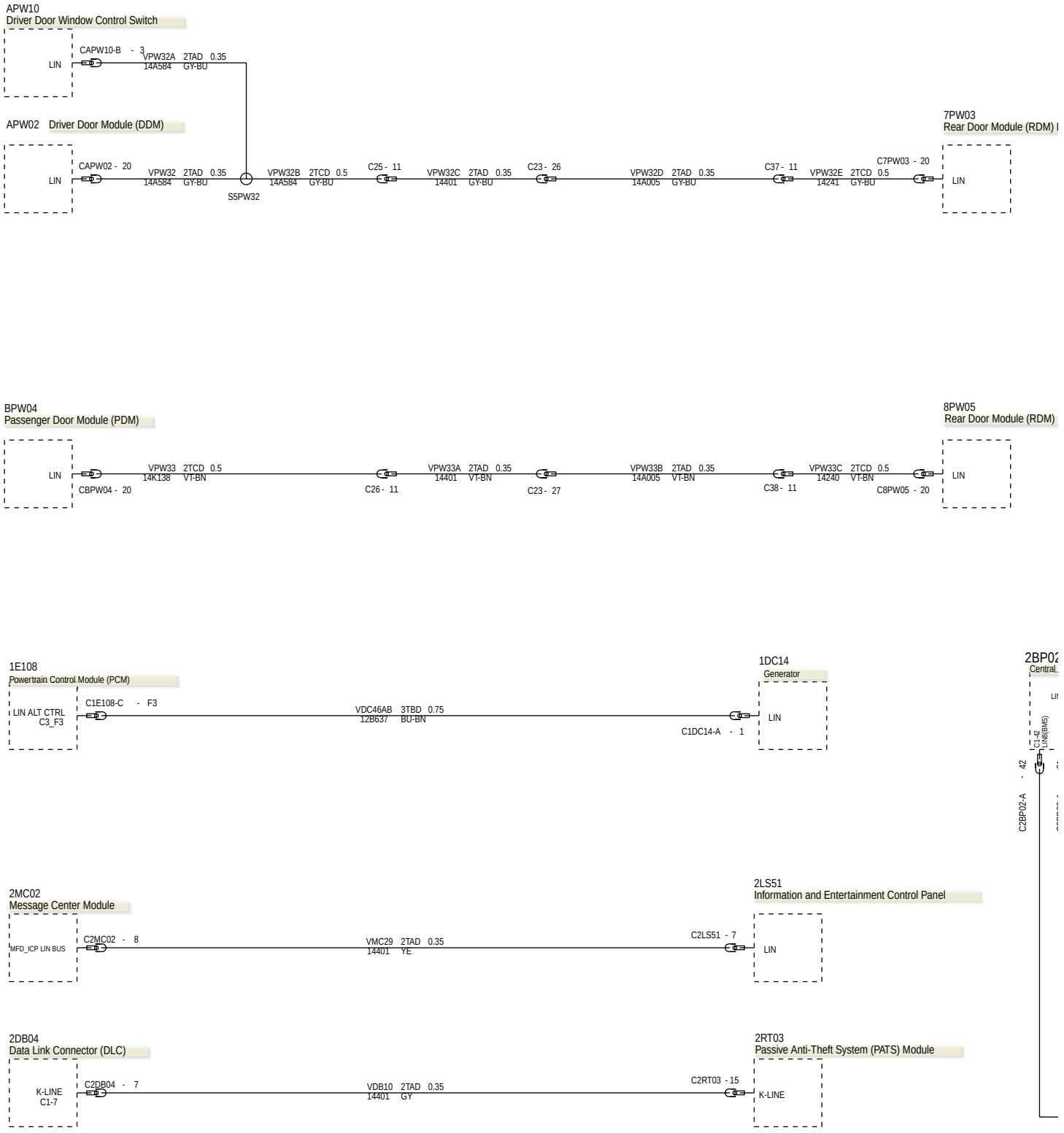
CAN


Driver Door Module (DDM)
APW02
MS_CAN HIGH
MS_CAN LOW
2DB04
Data Link Connector (DLC)
MS_CAN_LOW C1-11
MS_CAN_HIGH C1-3
CAPW02-A - 15
CAPW02-A - 3
C2DB04 - 11
C2DB04 - 3
2TCD 0.5 VT-OG
2TCD 0.5 GY-OG
VDB07H 14A384
VDB06H 14A384
C25 - 6
C25 - 7
2TAD 0.35 VT-OG
2TAD 0.35 GY-OG
VDB07B 14401
VDB06B 14401
W/ DDM
VDB07G 14401
VDB06G 14401
W/O PW, W/O PDM & W/O DEATC
VDB06V 2TAD 0.35 14401 GY-OG
VDB07V 2TAD 0.35 14401 VT-OG
2MC01
Instrument Cluster
VDB06S 2TAD 0.35 14401 GY-OG
VDB07S 2TAD 0.35 14401 VT-OG
S2DB06A
S2DB07A
VDB06J 2TAD 0.35 14401 GY-OG
VDB07J 2TAD 0.35 14401 VT-OG
S2DB06B
S2DB07B
W/ PDM OR W/ DEATC
VDB06T 2TAD 0.35 14401 GY-OG
VDB07T 2TAD 0.35 14401 VT-OG
C2MC01 - 4
C2MC01 - 3
MS_CAN1 HIGH
MS_CAN1 LOW
W/ PDM
W/ DEATC
VDB07P 14401
VDB06P 14401
C26 - 6
C26 - 7
VDB07R 14K138
VDB06R 14K138
CBPW04-A - 15
CBPW04-A - 3
C2H101 - 24
C2H101 - 25
VDB07F 14401
VDB06F 14401
BPW04
Passenger Door Module (PDM)
2H101
Climate Control Module


2DB04
Data Link Connector (DLC)
MM_CAN + C1-1
MM_CAN - C1-9
2MC02
Message Center Module
MM_CAN (+)
MM_CAN (-)
C2DB04 - 1
C2DB04 - 9
C2MC02 - 4
C2MC02 - 5
2TAD 0.35 BU-GY
2TAD 0.35 VT-GY
VDB13J 14401
VDB14J 14401
VDB13D 14401
VDB14D 14401
TERMINATION
2MC01
Instrument Cluster
MM_CAN2 +
MM_CAN2 -
MM_CAN TERM +
MM_CAN TERM -
C2MC01 - 2
C2MC01 - 1
C2MC01 - 13
C2MC01 - 14
VDB13F 2TAD 0.35 14401 BU-GY
VDB14F 2TAD 0.35 14401 VT-GY
VDB13E 2TAD 0.35 14401 BU-GY
VDB14E 2TAD 0.35 14401 VT-GY
WITHOUT AUDIO
S2DB13C
S2DB14C
VDB13K 2TAD 0.35 14401 BU-GY
VDB14K 2TAD 0.35 14401 VT-GY
S2DB13A
S2DB14A
VDB13A 2TAD 14401 BU-GY
VDB14A 2TAD 14401 VT-GY

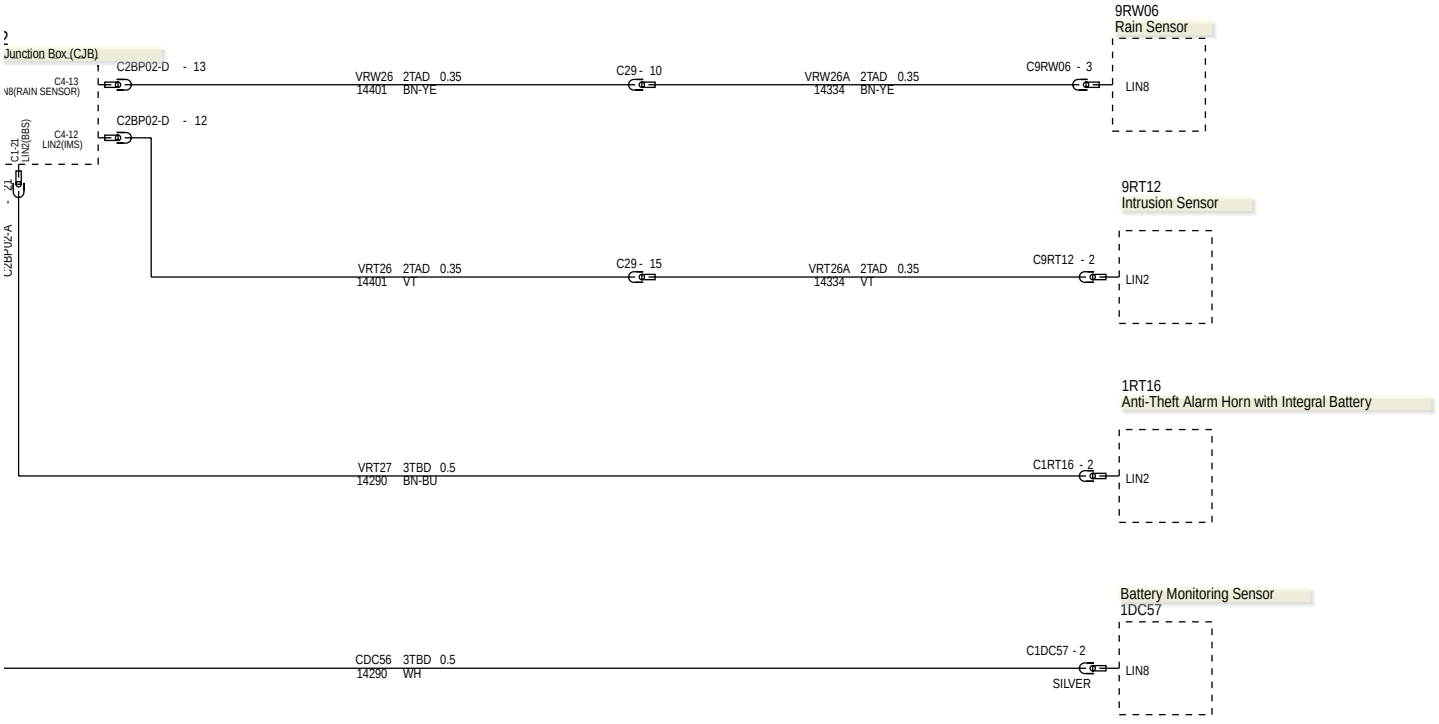

2MM01
Communications Module
MM_CAN_+
14
MM_CAN_-
15
- 14
- 15
C2MM01-A
C2MM01-A
VDB13C
14401
2TAD 0.35
BU-GY
VDB14C
14401
2TAD 0.35
VT-GY
CAN
TERMINATION
WITH BVC MODULE
0.35
0.35
S2DB13B
S2DB14B
VDB13B 2TAD 0.35
14401 BU-GY
VDB14B 2TAD 0.35
14401 VT-GY
C2ME04 - 14
C2ME04 - 15
2ME04
Information and Entertainment Unit
MM CAN H
14
MM CAN L
15
WITHOUT BVC MODULE
VDB13H 2TAD 0.35
14401 BU-GY
VDB14H 2TAD 0.35
14401 VT-GY
C2ME04 - 14
C2ME04 - 15
2ME04
Information and Entertainment Unit
MM CAN H
14
MM CAN L
15

418-00-12 Communications Network - Local Interconnect Network (LIN) Bus—2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma/3.2L Duratorq-TDCi (148kW/200PS) - Puma, LHD 4WD/LHD RWD

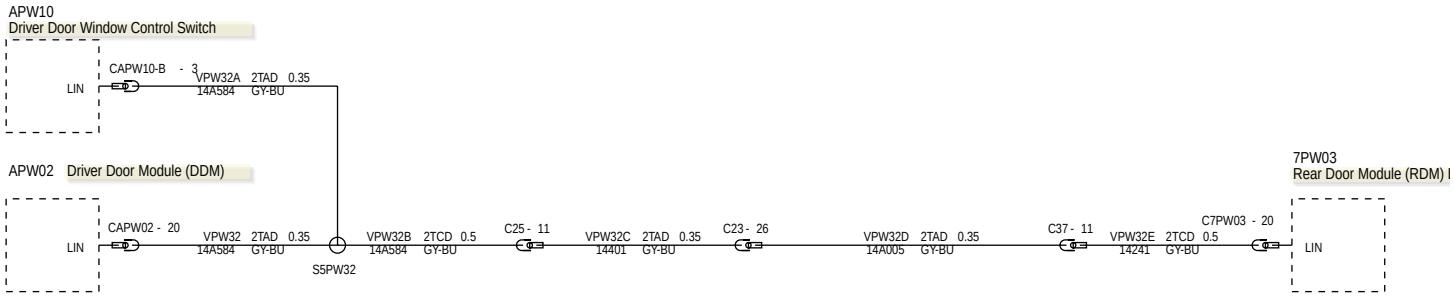


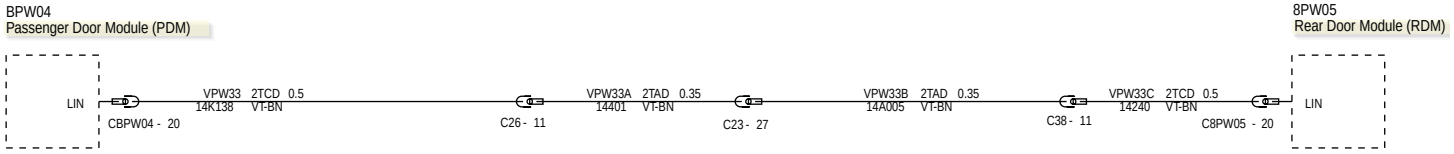
LH

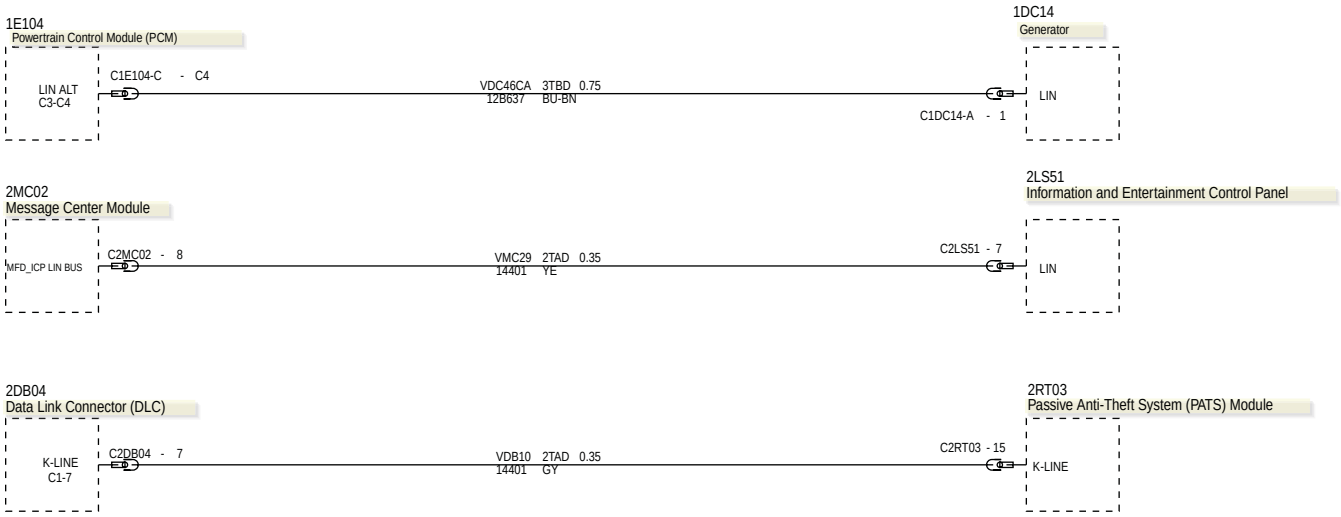
RH


9RW06
Rain Sensor
Junction Box (CJB)
C2BP02-D - 13
C4-13
(RAIN SENSOR)
VRW26 2TAD 0.35
14401 BN-YE
C29 - 10
VRW26A 2TAD 0.35
14334 BN-YE
C9RW06 - 3
LIN8
C2BP02-D - 12
C4-12
LIN2(IMS)
9RT12
Intrusion Sensor
VRT26 2TAD 0.35
14401 VT
C29 - 15
VRT26A 2TAD 0.35
14334 VT
C9RT12 - 2
LIN2
1RT16
Anti-Theft Alarm Horn with Integral Battery
VRT27 3TBD 0.5
14290 BN-BU
C1RT16 - 2
LIN2
Battery Monitoring Sensor
1DC57
CDC56 3TBD 0.5
14290 WH
C1DC57 - 2
SILVER
LIN8

418-00-14 Communications Network - Local Interconnect Network (LIN) Bus—2.5L Duratec-HE (122kW/165PS) - MI4, LHD 4WD/LHD RWD



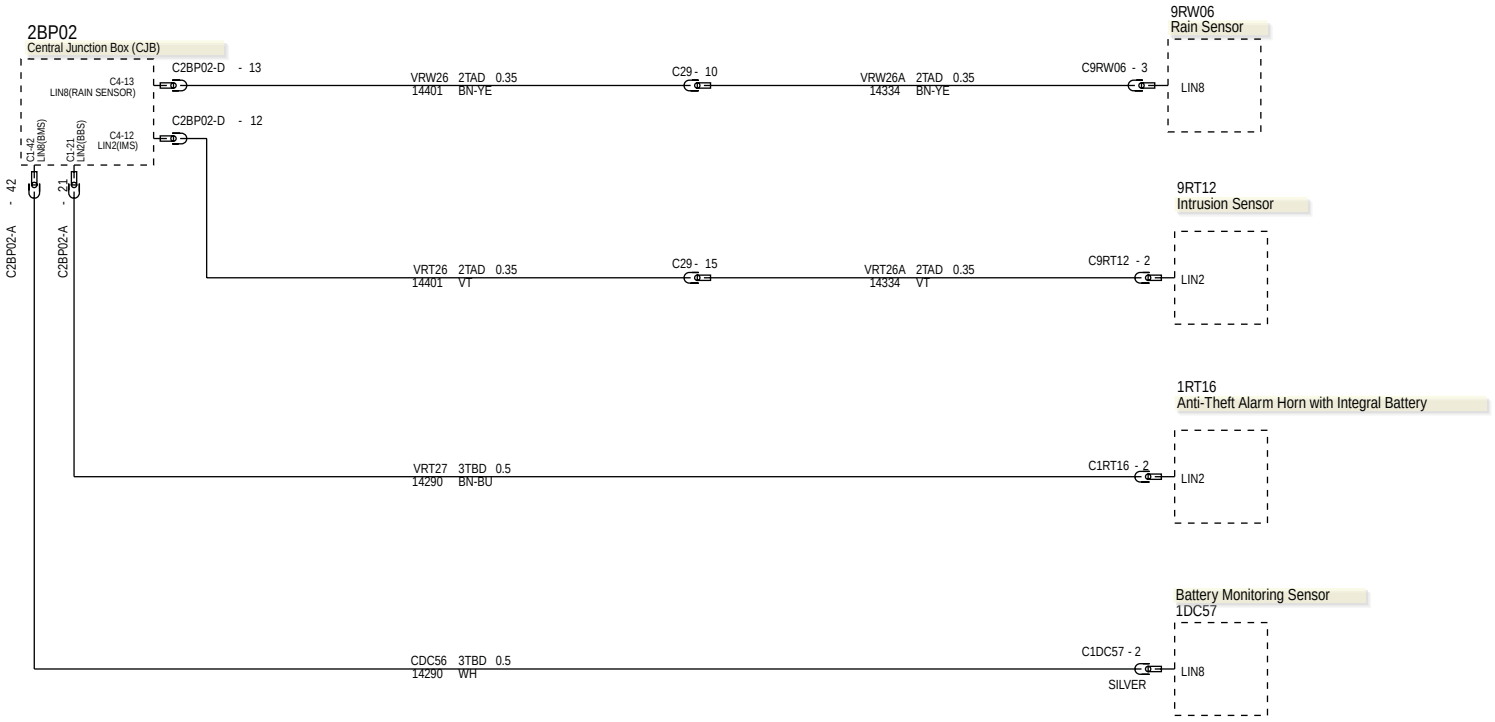




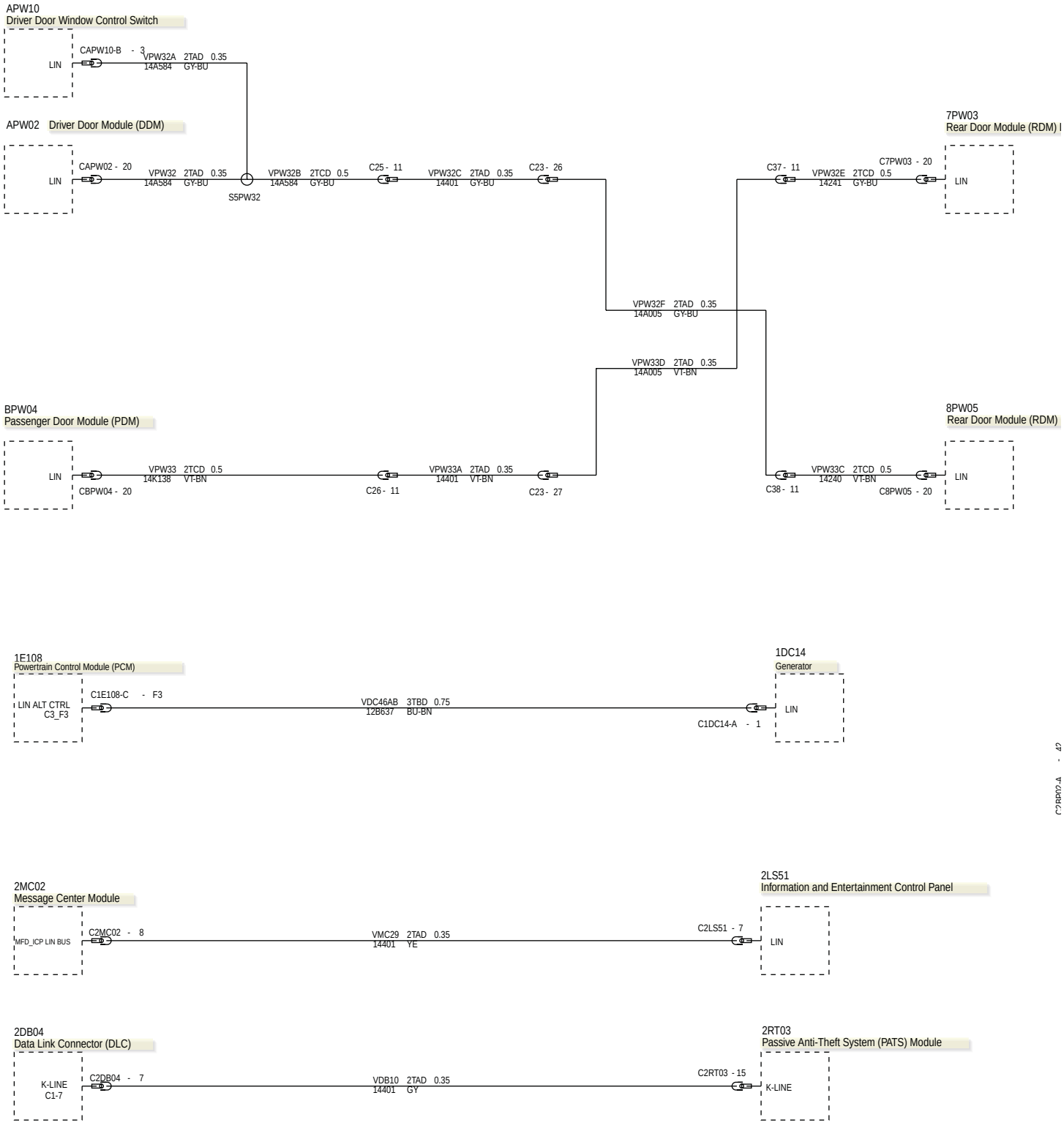
418-00-15 Communications Network - Local Interconnect Network (LIN) Bus—2.5L Duratec-HE (122kW/165PS) - MI4, LHD 4WD/LHD RWD

LH

RH



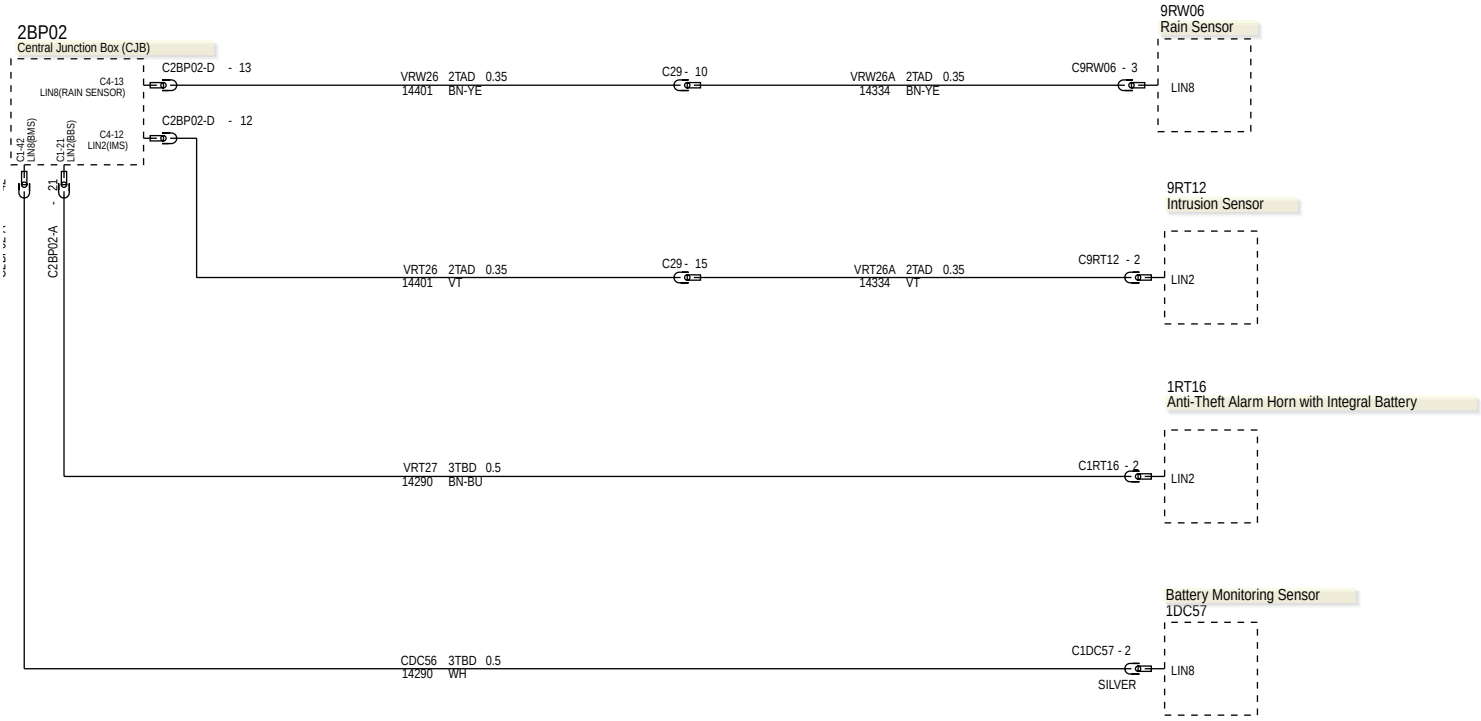
418-00-16 Communications Network - Local Interconnect Network (LIN) Bus—2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma/3.2L Duratorq-TDCi (148kW/200PS) - Puma, RHD 4WD/RHD RWD



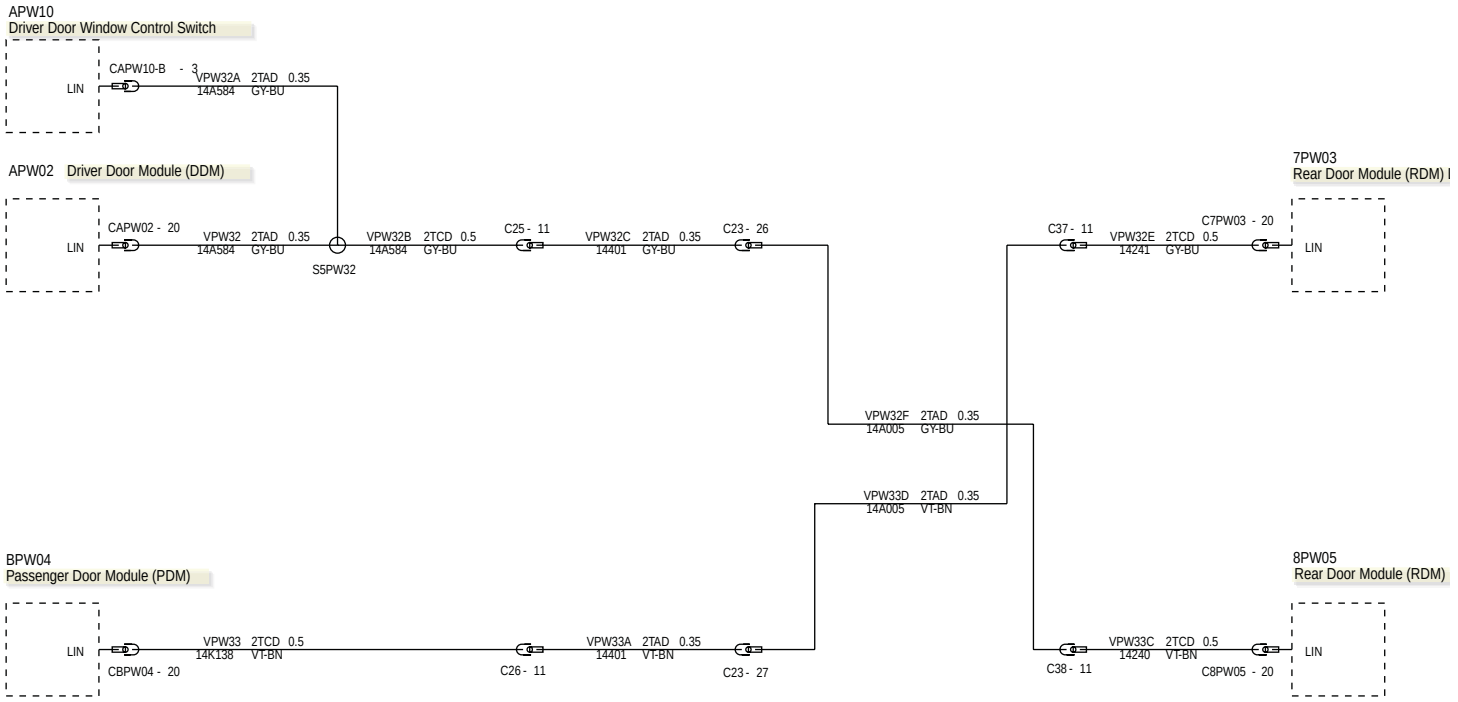
418-00-17 Communications Network - Local Interconnect Network (LIN) Bus—2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma/3.2L Duratorq-TDCi (148kW/200PS) - Puma, RHD 4WD/RHD RWD

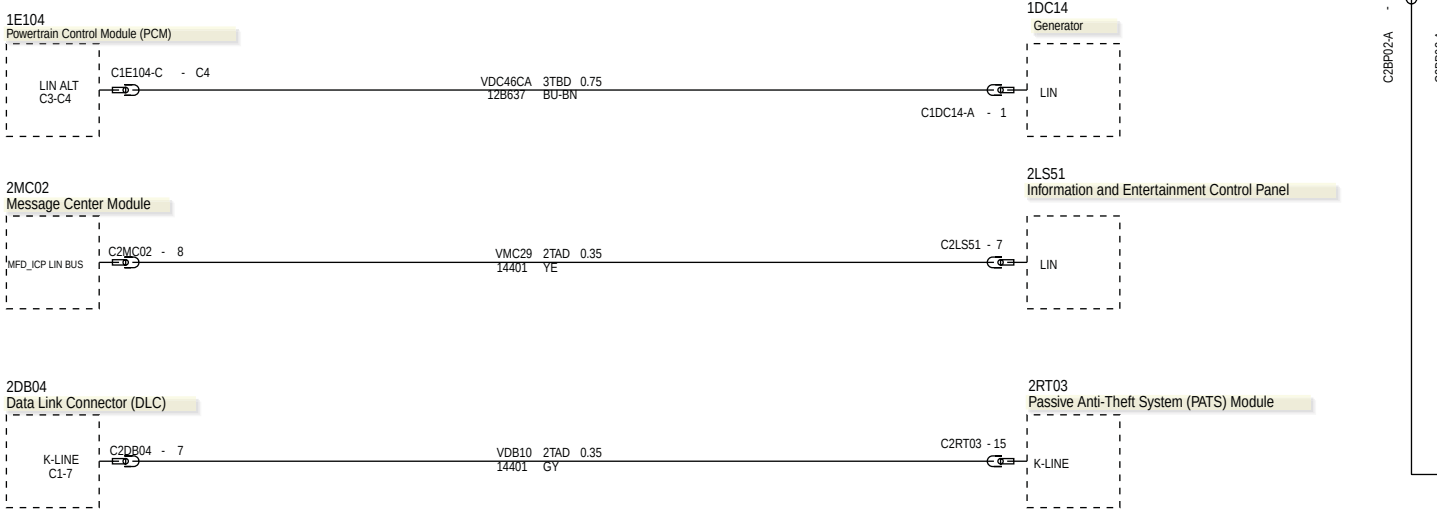
LH

RH



418-00-18 Communications Network - Local Interconnect Network (LIN) Bus—2.5L Duratec-HE (122kW/165PS) - MI4, RHD 4WD/RHD RWD



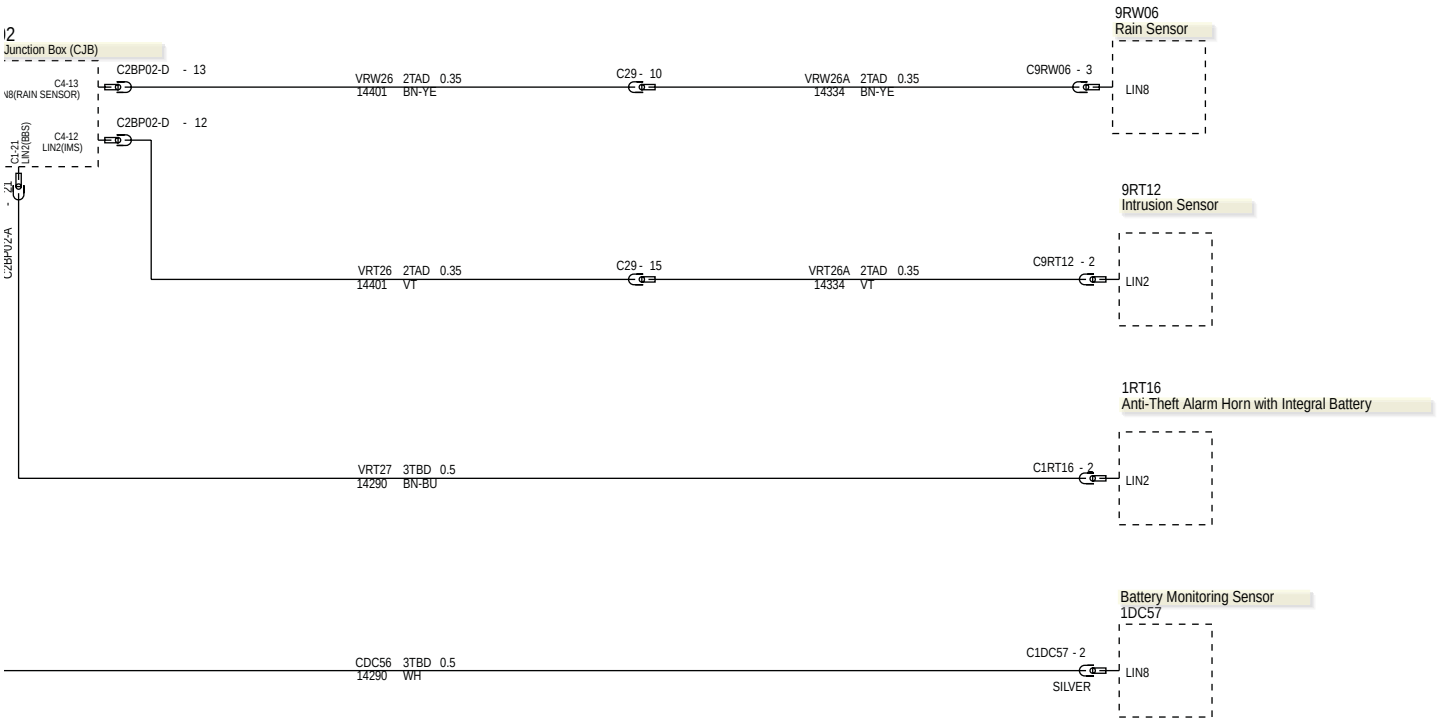




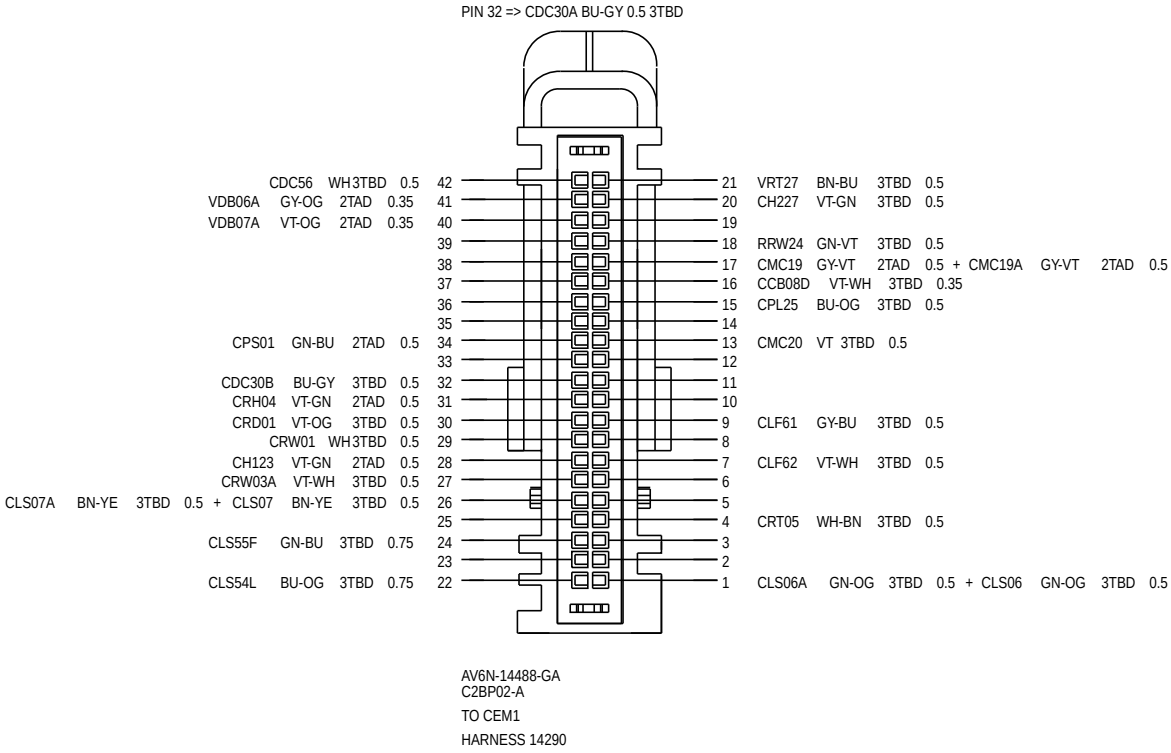
418-00-19 Communications Network - Local Interconnect Network (LIN) Bus—2.5L Duratec-HE (122kW/165PS) - MI4, RHD 4WD/RHD RWD

LH

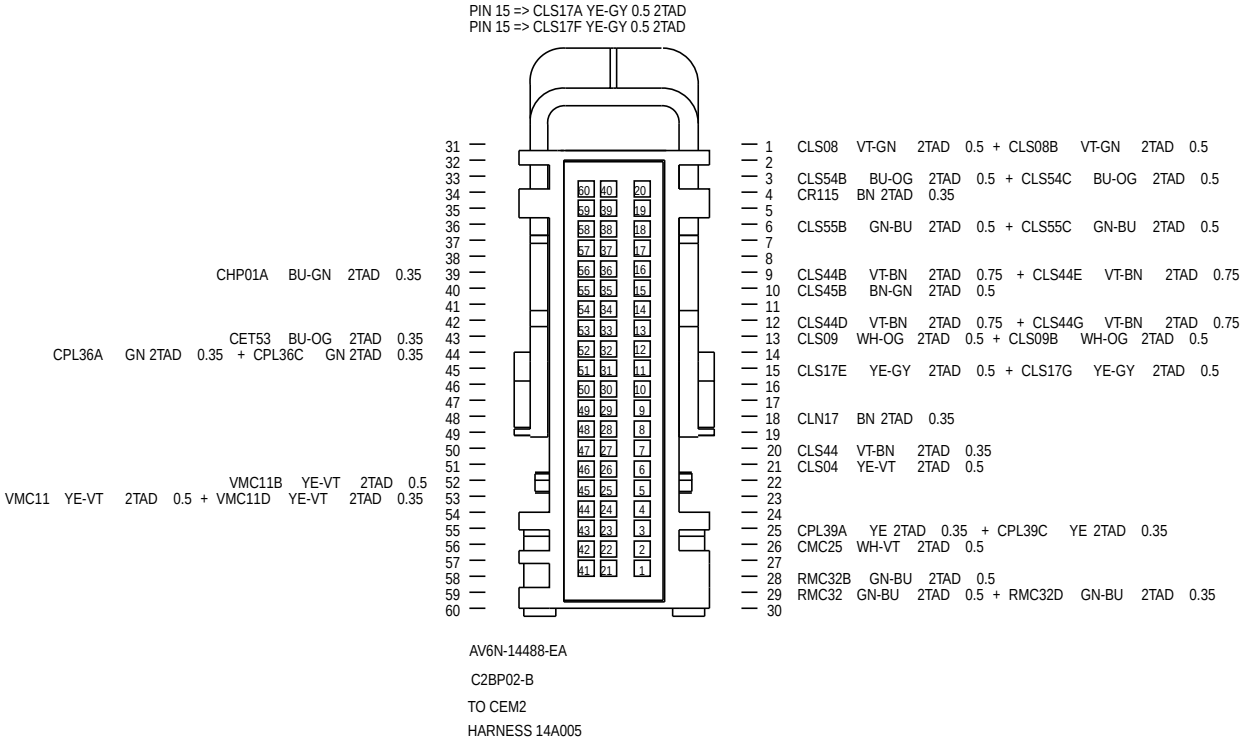
RH



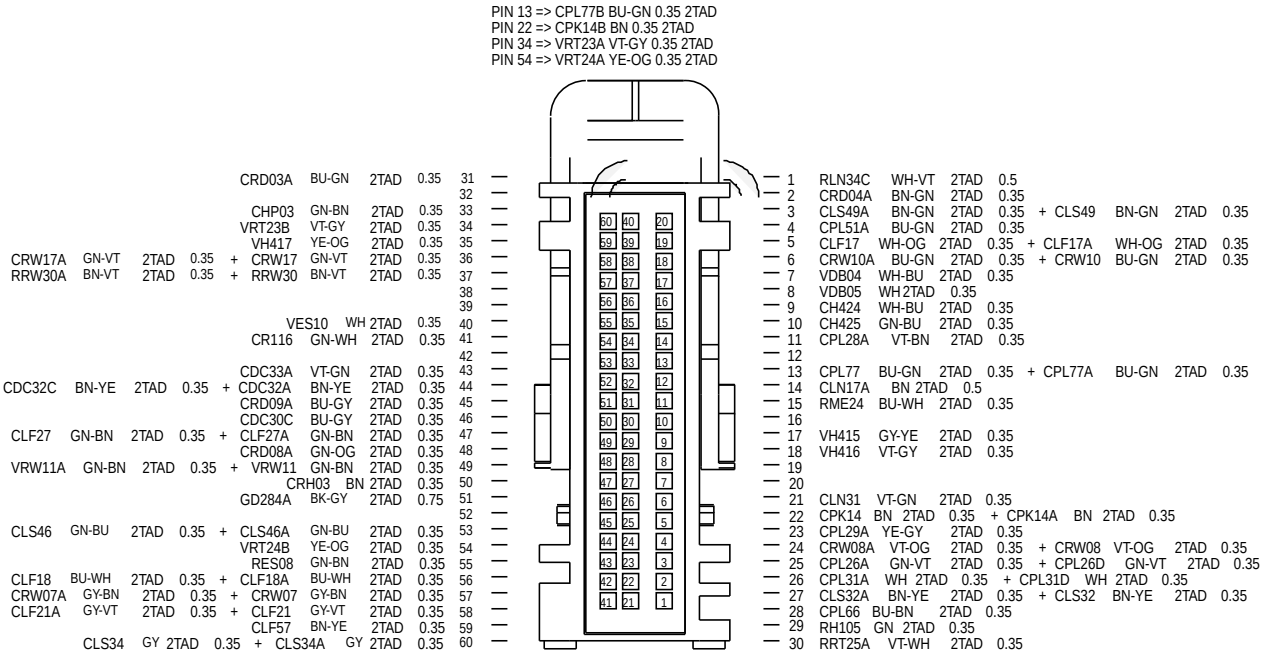
Central Junction Box (CJB)—A (G1404549)



Central Junction Box (CJB)—B (G1404550)

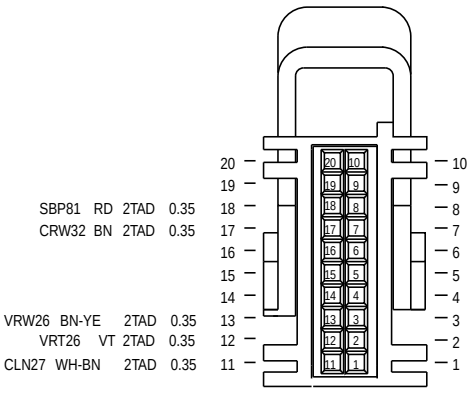


Central Junction Box (CJB)—C (G1404551)



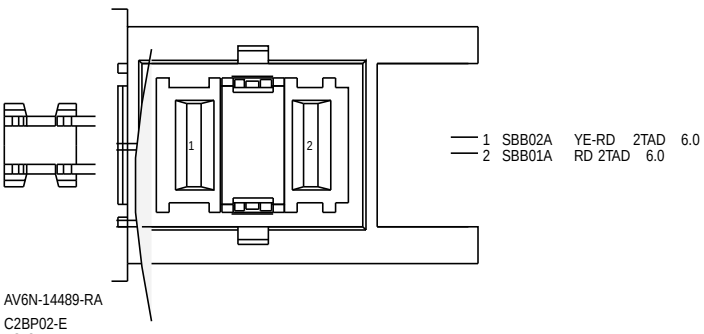
AV6N-14488-CA
C2BP02-C
TO CEM3
HARNESS 14401

Central Junction Box (CJB)—D (G1404552)



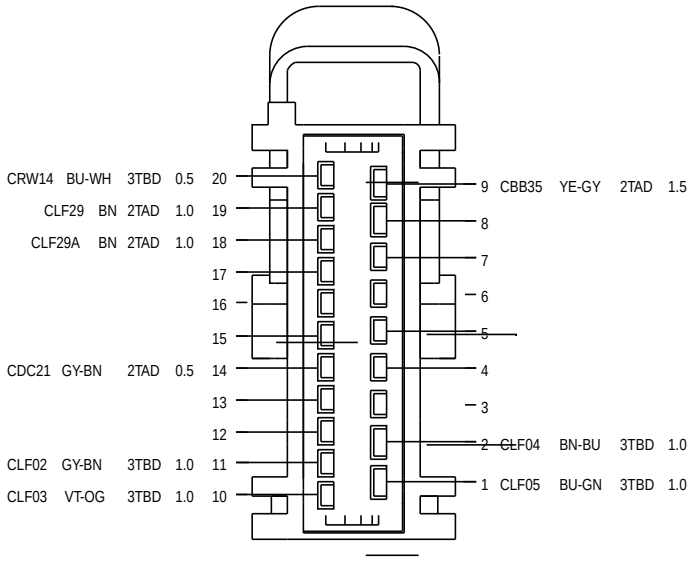
AV6N-14488-AA
C2BP02-D
TO CEM4
HARNESS 14401

Central Junction Box (CJB)—E (G1404553)



AV6N-14489-RA
C2BP02-E
TO CEM5
HARNESS 14290

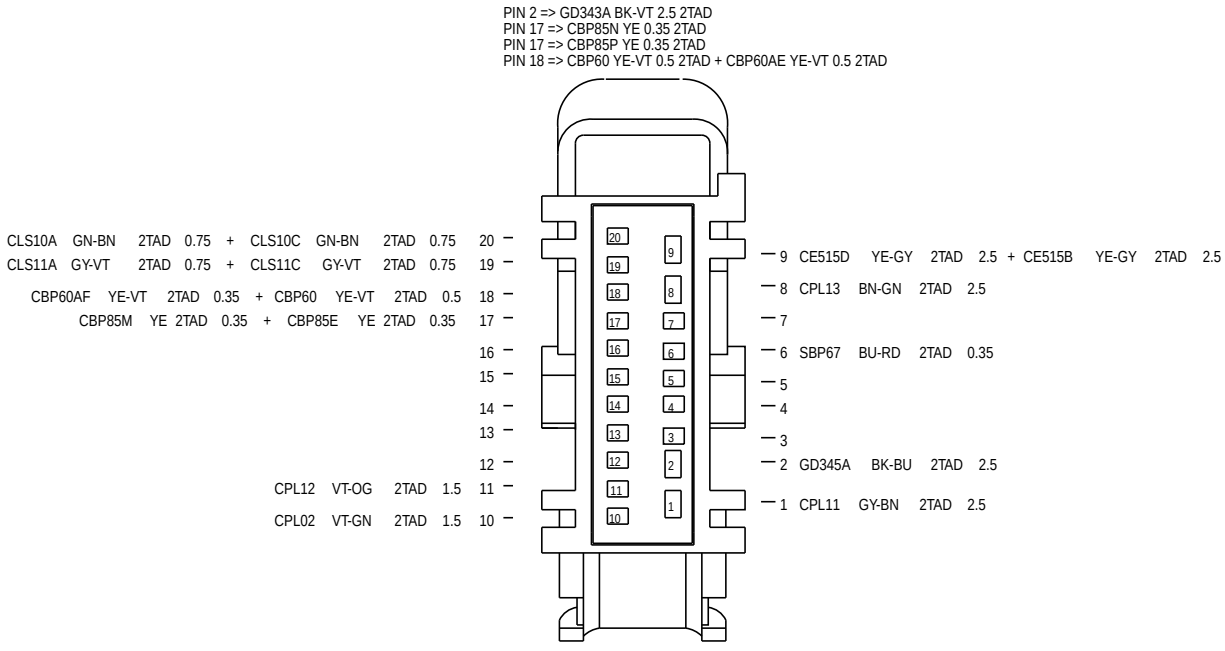
Central Junction Box (CJB)—F (G1404554)



AV6N-14488-NA
C2BP02-F
TO CEM6
HARNESS 14290

Central Junction Box (CJB)—G (G1404555)

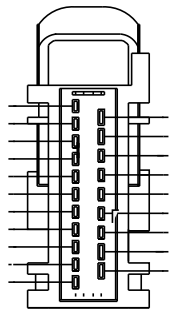
PIN 2 => GD343A BK-VT 2.5 2TAD
PIN 17 => CBP85N YE 0.35 2TAD
PIN 17 => CBP85P YE 0.35 2TAD
PIN 18 => CBP60 YE-VT 0.5 2TAD + CBP60AE YE-VT 0.5 2TAD



AV6N-14488-LA
C2BP02-G
TO CEM7
HARNESS 14A005

Central Junction Box (CJB)—H (G1404556)

PIN 5 => CBP71 BU-OG 0.35 2TAD
PIN 8 => SBP79A WH-RD 1.0 2TAD
PIN 16 => CBP69D WH-VT 0.35 2TAD



SBP73A RD 2TAD 0.5 — 20
CBP87 GN-BU 2TAD 0.35 — 19
SBP72A VT-RD 2TAD 0.5 — 18
CBP85 YE 2TAD 0.5 — 17
CBP69 WH-VT 2TAD 0.35 — 16
15
14
13
CBP60AB YE-VT 2TAD 0.5 + CBP60J YE-VT 2TAD 0.5 — 12
RRD12 BN 2TAD 0.35 — 11
CBP18A GY-OG 2TAD 0.35 — 10

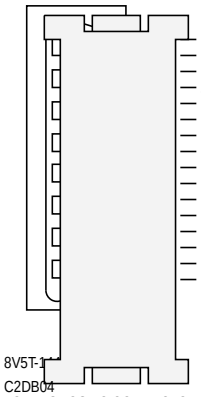
9 SBP80 VT-RD 2TAD 1.5
8 SBP79 WH-RD 2TAD 1.5
7 CBP63 BN-YE 2TAD 0.35
6
5 CBP71A BU-OG 2TAD 0.35
4 CBP02B GN 2TAD 0.5 + CBP02 GN 2TAD 0.5
3 SBP78 BN-RD 2TAD 0.5
2
1

AV6N-14488-JA

C2BP02-H
TO CEM8

HARNESS 14401

Data Link Connector (DLC) (G1404560)



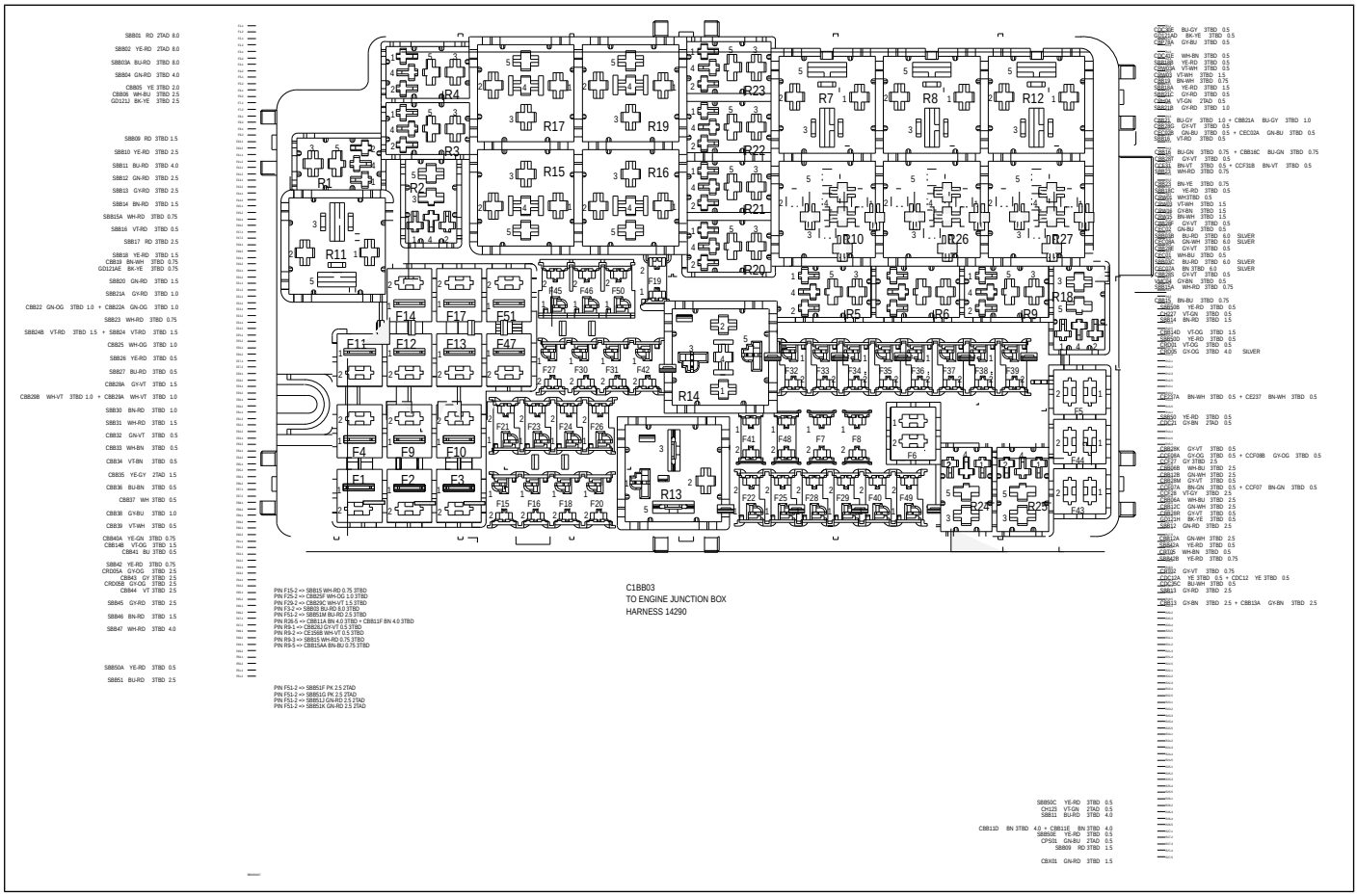
1 VDB13J BU-GY 2TAD 0.35
2
3 VDB06B GY-OG 2TAD 0.35
4 GD214P BK-BU 2TAD 0.5
5 GD215C BK-GY 2TAD 0.5
6 VDB04A WH-BU 2TAD 0.35
7 VDB10 GY 2TAD 0.35
8
9 VDB14J VT-GY 2TAD 0.35
10
11 VDB07B VT-OG 2TAD 0.35
12
13
14 VDB05A WH 2TAD 0.35
15
16 SBP73A RD 2TAD 0.5

8V5T-1
C2DB04
TO DIAGNOSTIC CONNECTOR

HARNESS 14401

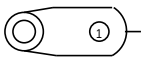
Engine Junction Box (EJB) (G1404561)

Thumbnail



Part 3 of 3

Engine Junction Box (EJB)—A (G1404562)



1 SDC02A RD 3SBD 25.0

5M5T-14463-GLA

C1BB03-A
TO ENGINE JUNCTION BOX

HARNESS 14290

SECTION 419-01A Anti-Theft - Active

VEHICLE APPLICATION: 2012.0 Ranger

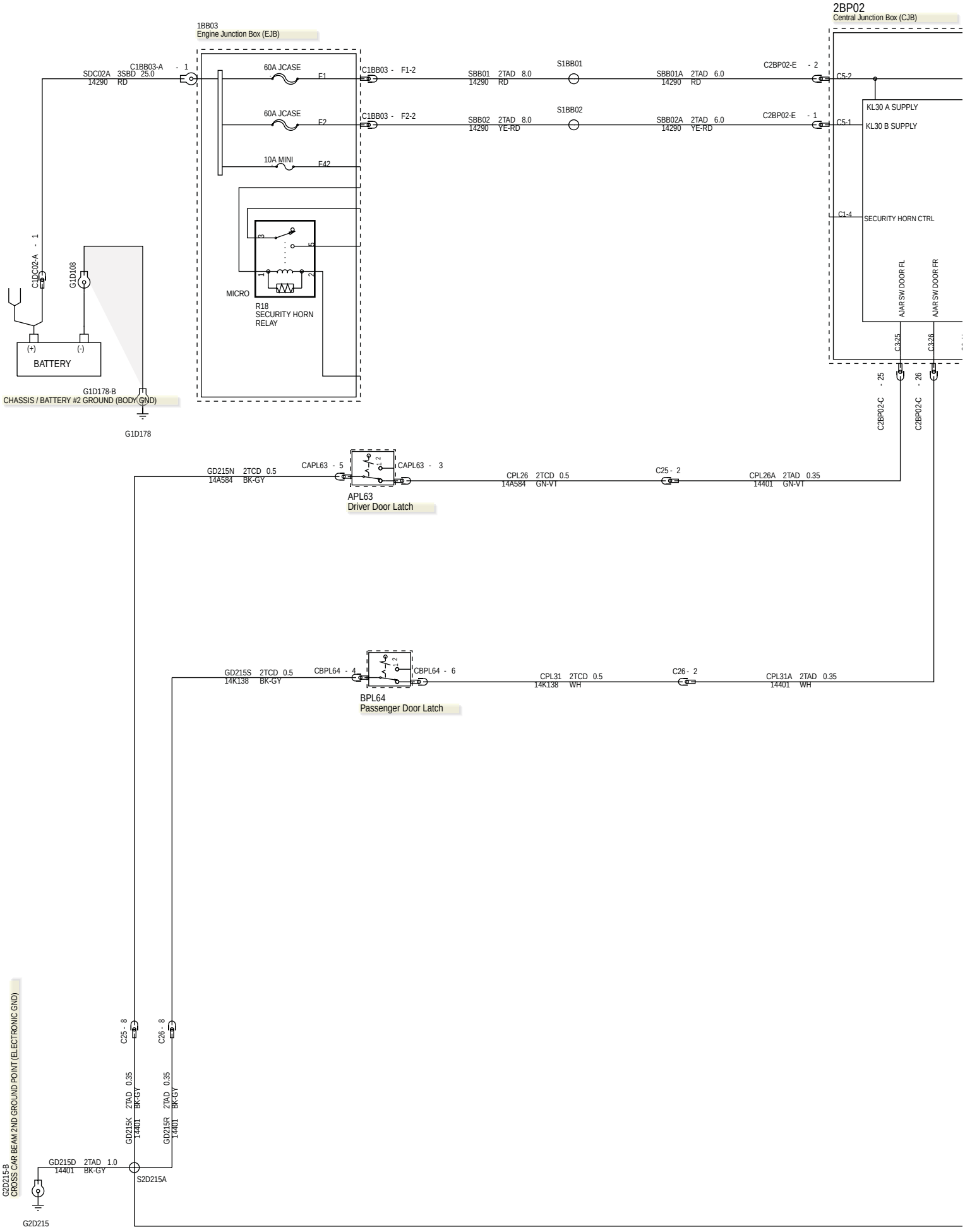
CONTENTS PAGE

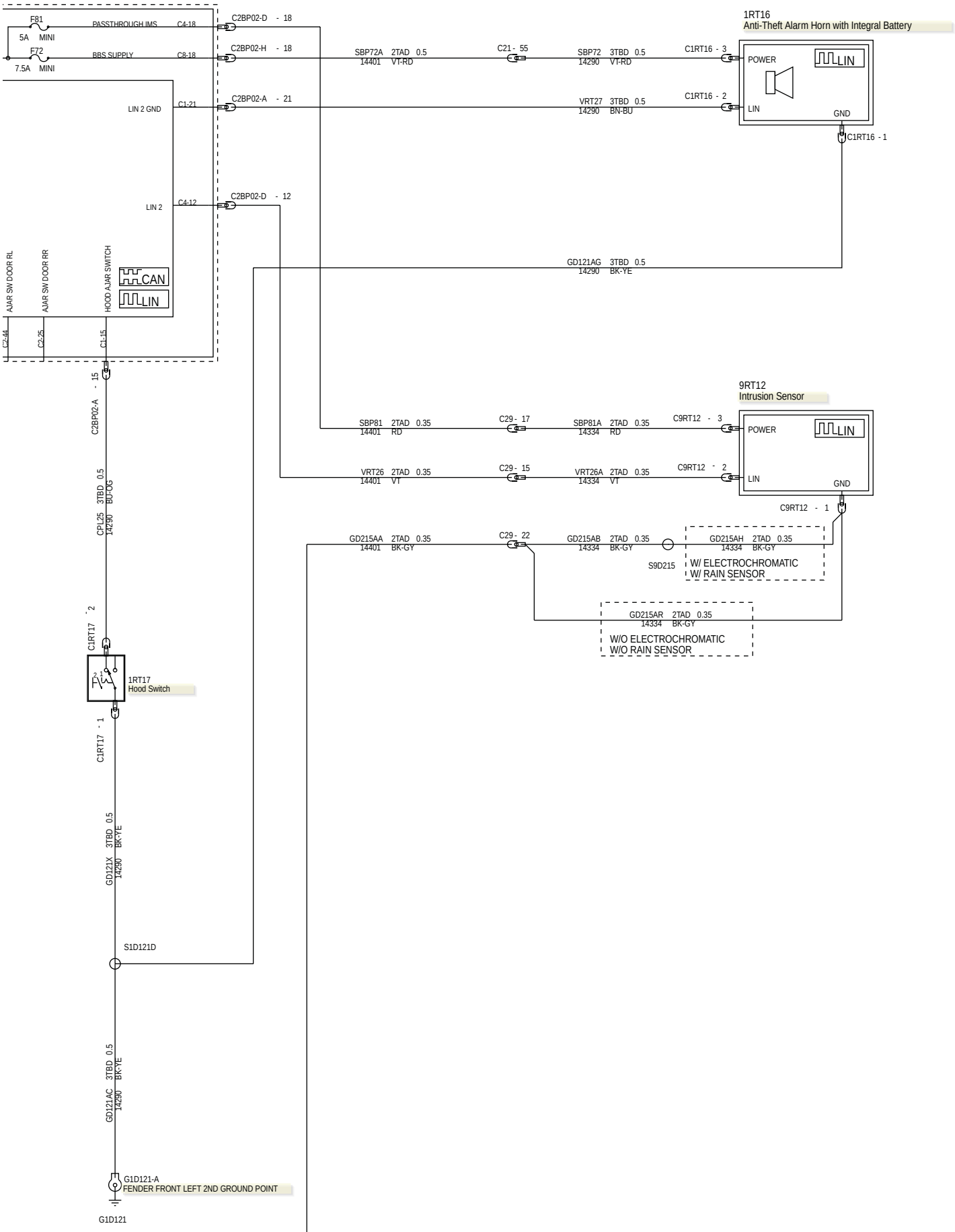
ELECTRICAL SCHEMATICS

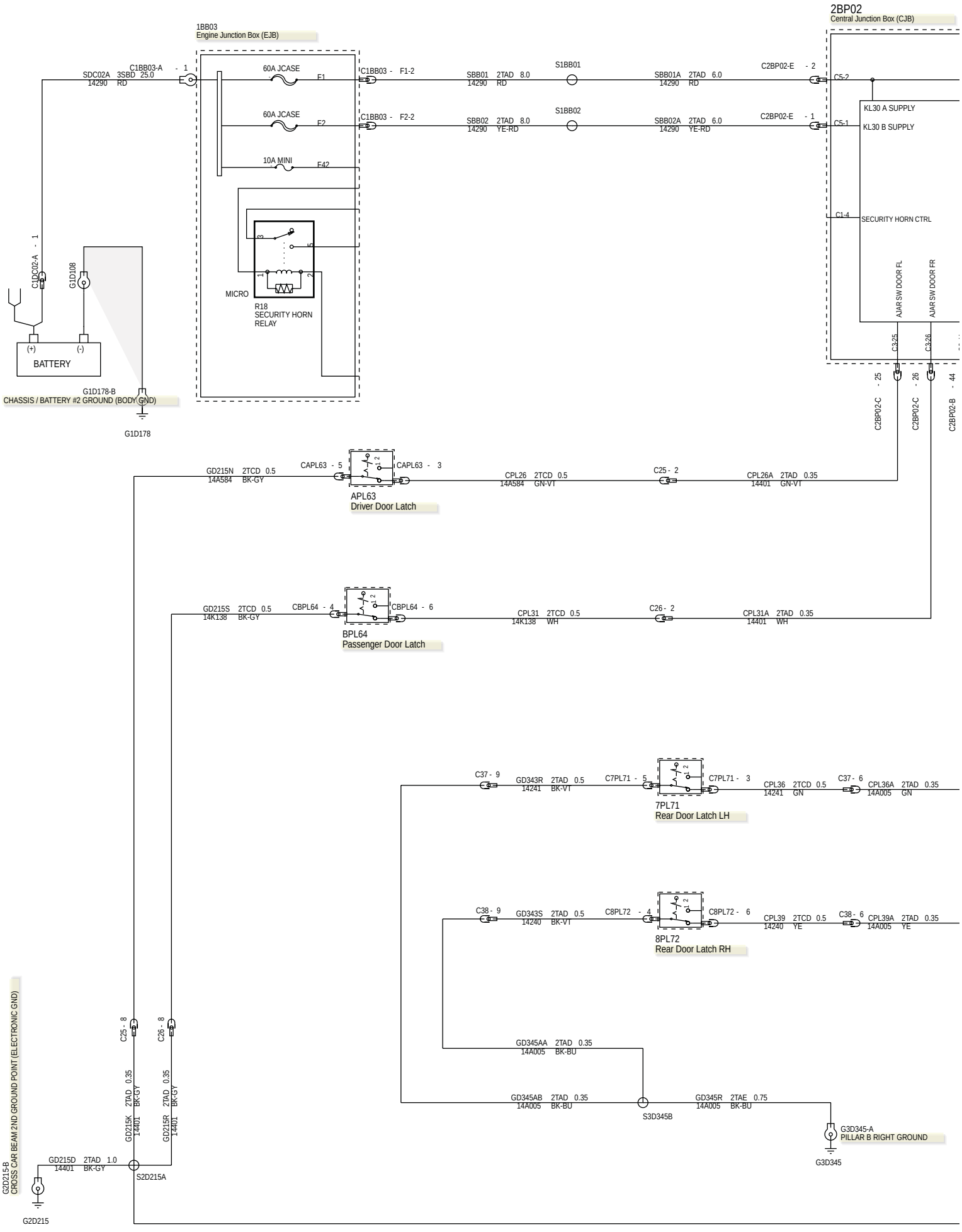
Anti-Theft Alarm System — Single Cab, LHD 4WD/LHD RWD..... 419-01A-2
Anti-Theft Alarm System — Double Cab, LHD 4WD/LHD RWD..... 419-01A-4
Anti-Theft Alarm System — Super Cab, LHD 4WD/LHD RWD..... 419-01A-6
Anti-Theft Alarm System — Single Cab, RHD 4WD/RHD RWD..... 419-01A-8
Anti-Theft Alarm System — Double Cab, RHD 4WD/RHD RWD..... 419-01A-10
Anti-Theft Alarm System — Super Cab, RHD 4WD/RHD RWD..... 419-01A-12

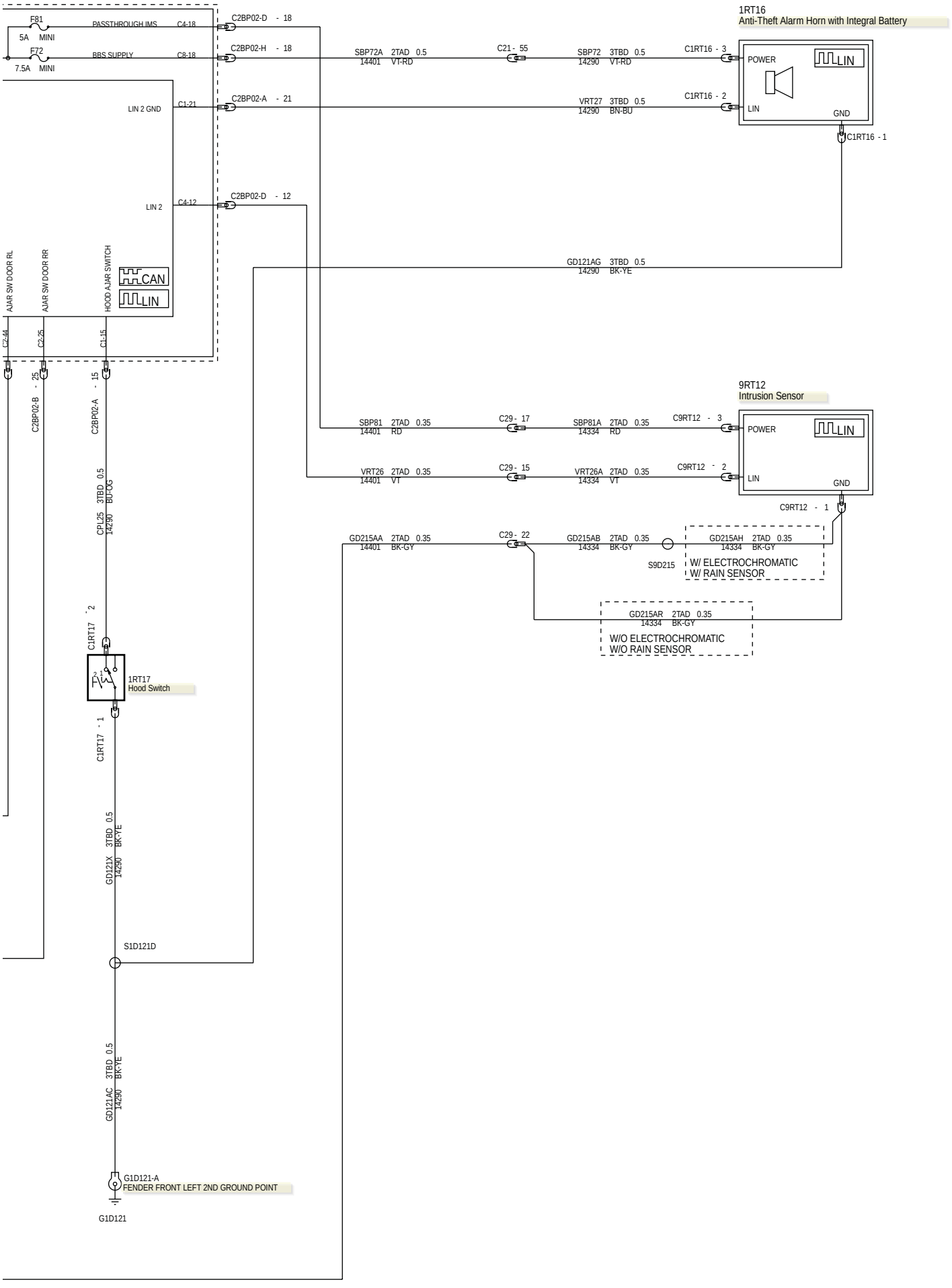
ELECTRICAL CONNECTORS

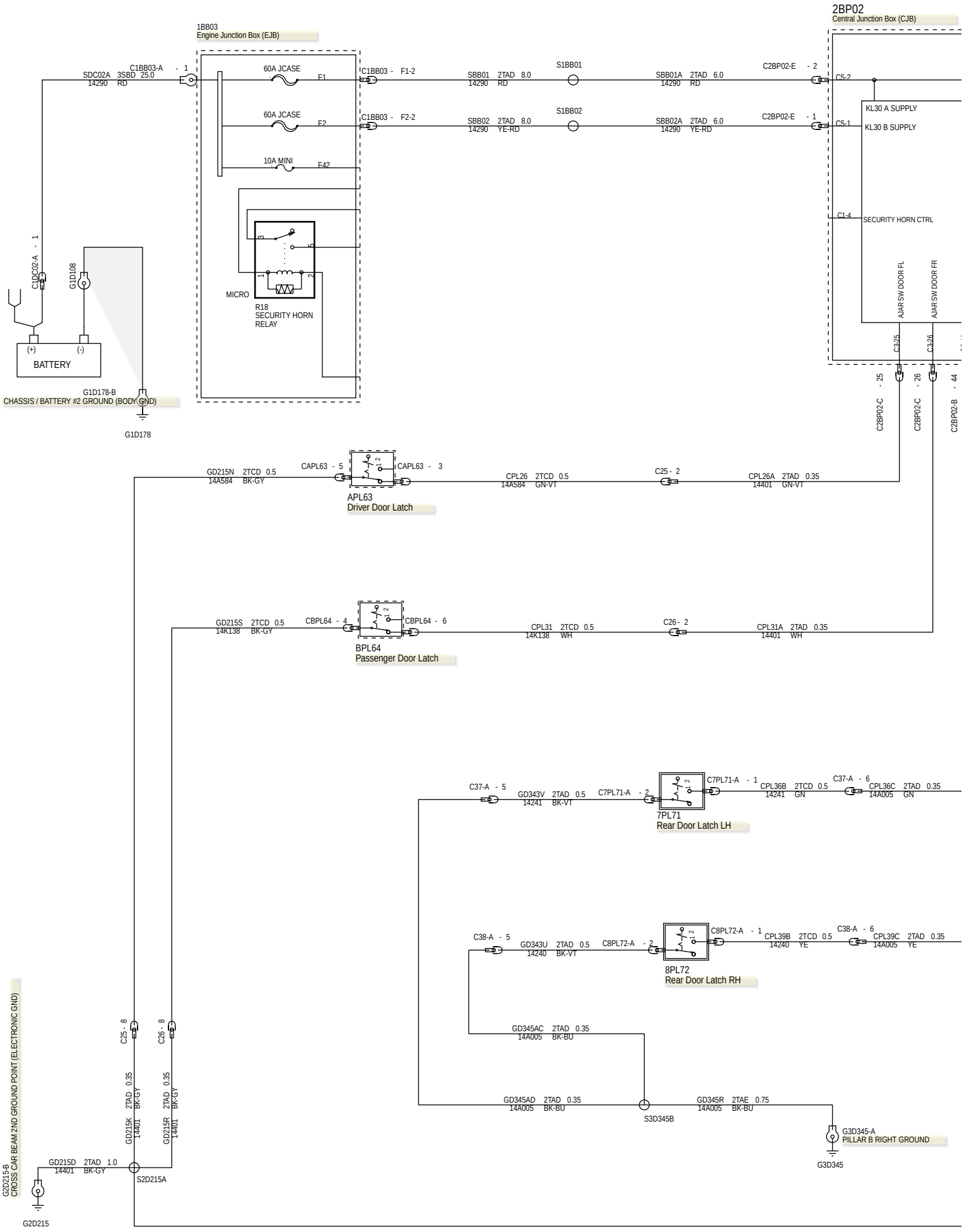
Anti-Theft Alarm Horn..... 419-01A-14
Anti-Theft Alarm Horn with Integral Battery..... 419-01A-14
Anti-Theft Alarm Module..... 419-01A-14
Hood Switch..... 419-01A-14
Intrusion Sensor..... 419-01A-14

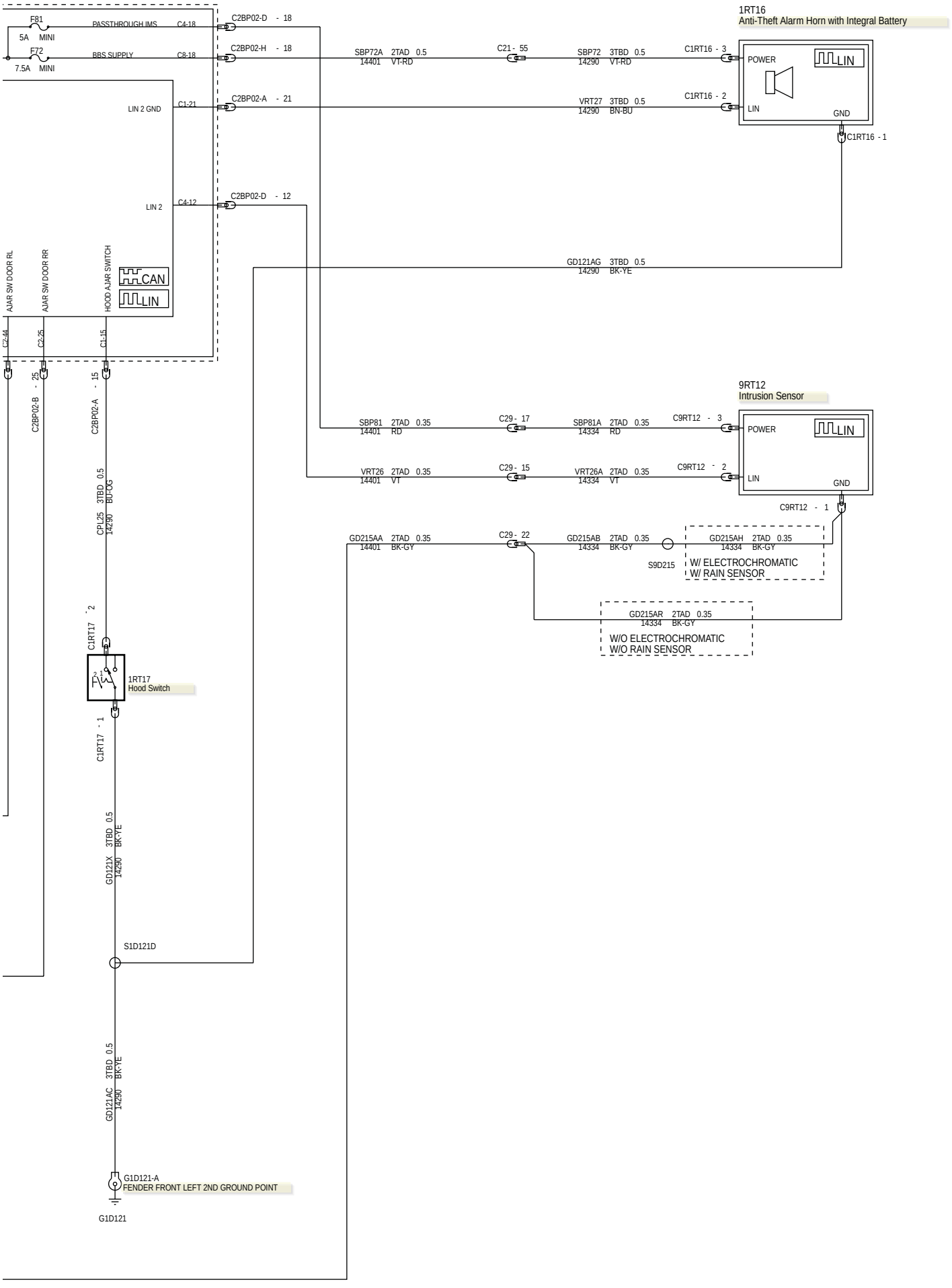

2BP02
Central Junction Box (CJB)
1BB03
Engine Junction Box (EJB)
SDC02A 3SBD 25.0 14290 RD
C1BB03-A - 1
60A JCASE F1
60A JCASE F2
10A MINI F42
C1BB03 - F1-2
C1BB03 - F2-2
SBB01 2TAD 8.0 14290 RD
SBB02 2TAD 8.0 14290 YE-RD
S1BB01
S1BB02
SBB01A 2TAD 6.0 14290 RD
SBB02A 2TAD 6.0 14290 YE-RD
C2BP02-E - 2
C2BP02-E - 1
C5-2
C5-1
KL30 A SUPPLY
KL30 B SUPPLY
C1-4
SECURITY HORN CTRL
AJAR SW DOOR FL
AJAR SW DOOR FR
C3-25
C3-26
C2BP02-C - 25
C2BP02-C - 26
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
MICRO
R18
SECURITY HORN
RELAY
GD215N 2TCD 0.5 14A584 BK-GY
CAPL63 - 5
CAPL63 - 3
CPL26 2TCD 0.5 14A584 GN-VT
C25 - 2
CPL26A 2TAD 0.35 14401 GN-VT
APL63
Driver Door Latch
GD215S 2TCD 0.5 14K138 BK-GY
CBPL64 - 4
CBPL64 - 6
CPL31 2TCD 0.5 14K138 WH
C26 - 2
CPL31A 2TAD 0.35 14401 WH
BPL64
Passenger Door Latch
C25 - 8
C26 - 8
GD215K 2TAD 0.35 14401 BK-GY
GD215R 2TAD 0.35 14401 BK-GY
GD215D 2TAD 1.0 14401 BK-GY
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215

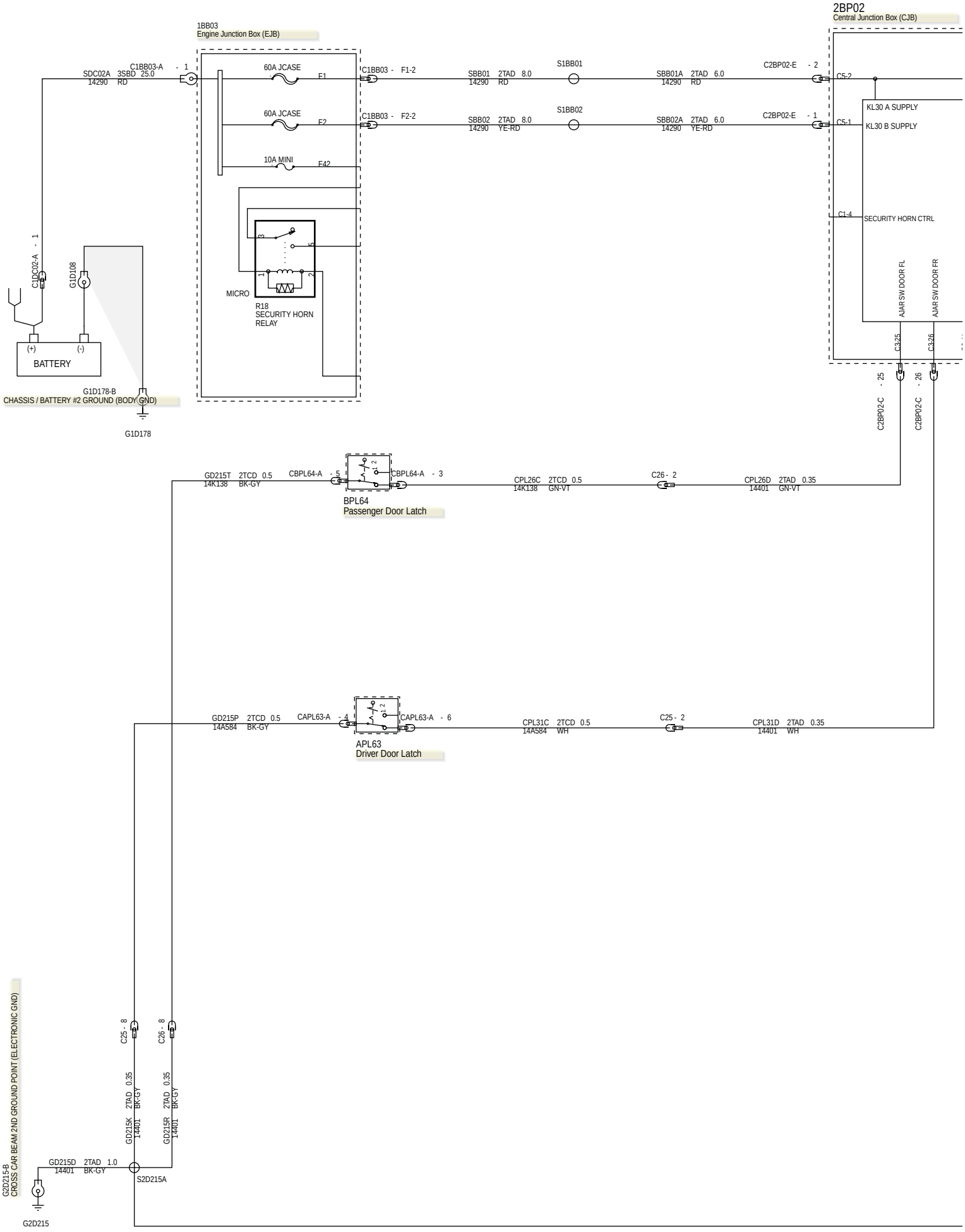

F81
5A MINI
F72
7.5A MINI
PASSTHROUGH IMS
BBS SUPPLY
C4-18
C8-18
C2BP02-D - 18
C2BP02-H - 18
SBP72A 2TAD 0.5
14401 VT-RD
C21 - 55
SBP72 3TBD 0.5
14290 VT-RD
C1RT16 - 3
1RT16
Anti-Theft Alarm Horn with Integral Battery
POWER
LIN
GND
LIN 2 GND
C1-21
C2BP02-A - 21
VRT27 3TBD 0.5
14290 BN-BU
C1RT16 - 2
C1RT16 - 1
LIN 2
C4-12
C2BP02-D - 12
GD121AG 3TBD 0.5
14290 BK-YE
AJAR SW DOOR RL
AJAR SW DOOR RR
HOOD AJAR SWITCH
CAN
LIN
C2-44
C2-25
C1-15
C2BP02-A - 15
9RT12
Intrusion Sensor
SBP81 2TAD 0.35
14401 RD
C29 - 17
SBP81A 2TAD 0.35
14334 RD
C9RT12 - 3
VRT26 2TAD 0.35
14401 VT
C29 - 15
VRT26A 2TAD 0.35
14334 VT
C9RT12 - 2
C9RT12 - 1
GD215AA 2TAD 0.35
14401 BK-GY
C29 - 22
GD215AB 2TAD 0.35
14334 BK-GY
S9D215
GD215AH 2TAD 0.35
14334 BK-GY
W/ ELECTROCHROMATIC
W/ RAIN SENSOR
GD215AR 2TAD 0.35
14334 BK-GY
W/O ELECTROCHROMATIC
W/O RAIN SENSOR
CP1-25 3TBD 0.5 BU-OG 14290
C1RT17 - 2
1RT17
Hood Switch
C1RT17 - 1
GD121X 3TBD 0.5 BK-YE 14290
S1D121D
GD121AC 3TBD 0.5 BK-YE 14290
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121

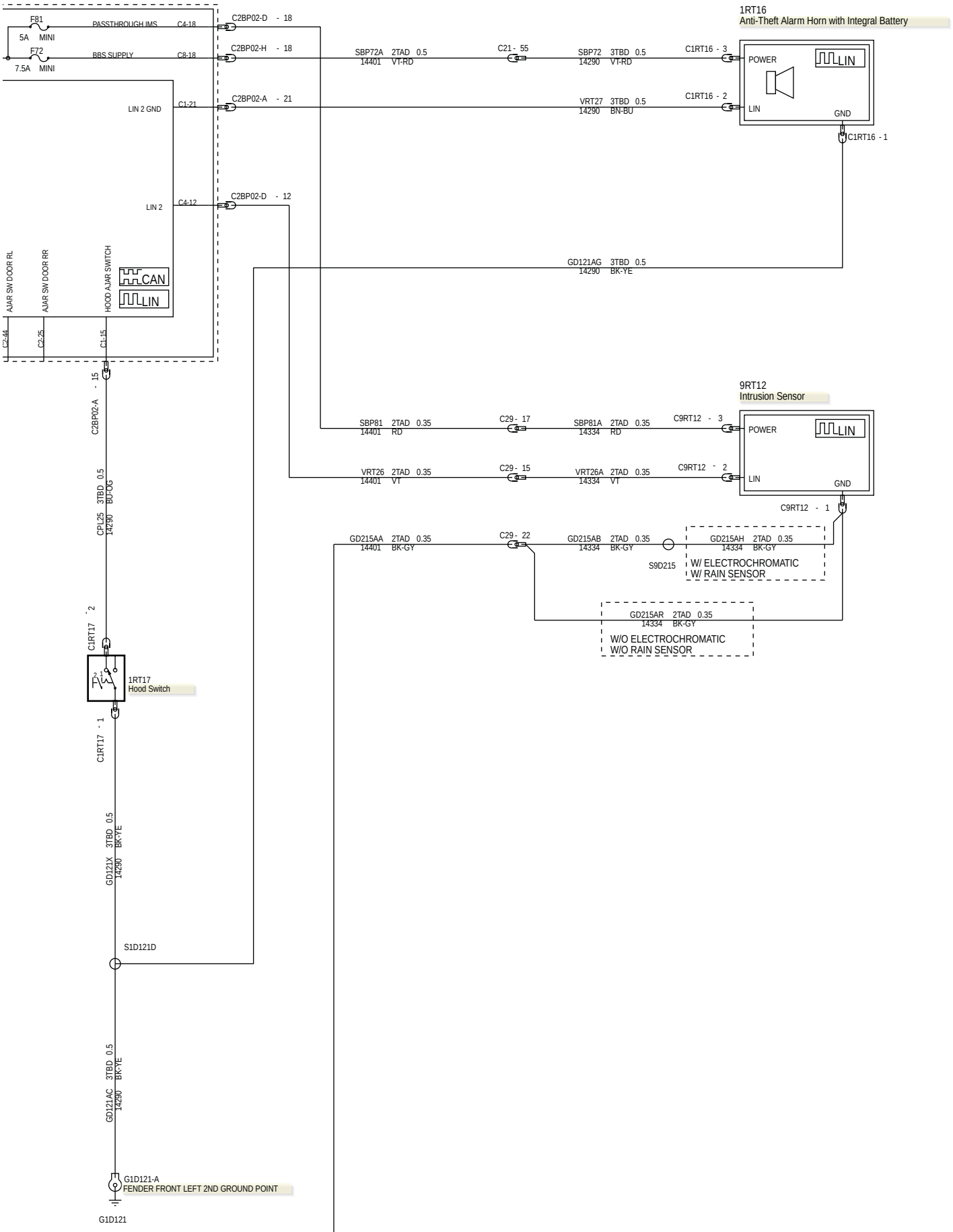

2BP02
Central Junction Box (CJB)
1BB03
Engine Junction Box (EJB)
SDC02A 3SBD 25.0 14290 RD
C1BB03-A - 1
60A JCASE F1
60A JCASE F2
10A MINI F42
C1BB03 - F1-2
C1BB03 - F2-2
SBB01 2TAD 8.0 14290 RD
SBB02 2TAD 8.0 14290 YE-RD
S1BB01
S1BB02
SBB01A 2TAD 6.0 14290 RD
SBB02A 2TAD 6.0 14290 YE-RD
C2BP02-E - 2
C2BP02-E - 1
C5-2
C5-1
KL30 A SUPPLY
KL30 B SUPPLY
C1-4
SECURITY HORN CTRL
AJAR SW DOOR FL
AJAR SW DOOR FR
C3-25
C3-26
C2BP02-C - 25
C2BP02-C - 26
C2BP02-B - 44
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
MICRO
R18
SECURITY HORN RELAY
GD215N 2TCD 0.5 14A584 BK-GY
CAPL63 - 5
CAPL63 - 3
APL63
Driver Door Latch
CPL26 2TCD 0.5 14A584 GN-VT
C25 - 2
CPL26A 2TAD 0.35 14401 GN-VT
GD215S 2TCD 0.5 14K138 BK-GY
CBPL64 - 4
CBPL64 - 6
BPL64
Passenger Door Latch
CPL31 2TCD 0.5 14K138 WH
C26 - 2
CPL31A 2TAD 0.35 14401 WH
C37 - 9
GD343R 2TAD 0.5 14241 BK-VT
C7PL71 - 5
C7PL71 - 3
7PL71
Rear Door Latch LH
CPL36 2TCD 0.5 14241 GN
C37 - 6
CPL36A 2TAD 0.35 14A005 GN
C38 - 9
GD343S 2TAD 0.5 14240 BK-VT
C8PL72 - 4
C8PL72 - 6
8PL72
Rear Door Latch RH
CPL39 2TCD 0.5 14240 YE
C38 - 6
CPL39A 2TAD 0.35 14A005 YE
GD345AA 2TAD 0.35 14A005 BK-BU
GD345AB 2TAD 0.35 14A005 BK-BU
S3D345B
GD345R 2TAE 0.75 14A005 BK-BU
G3D345-A
PILLAR B RIGHT GROUND
G3D345
C25 - 8
C26 - 8
GD215K 2TAD 0.35 14401 BK-GY
GD215R 2TAD 0.35 14401 BK-GY
GD215D 2TAD 1.0 14401 BK-GY
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215

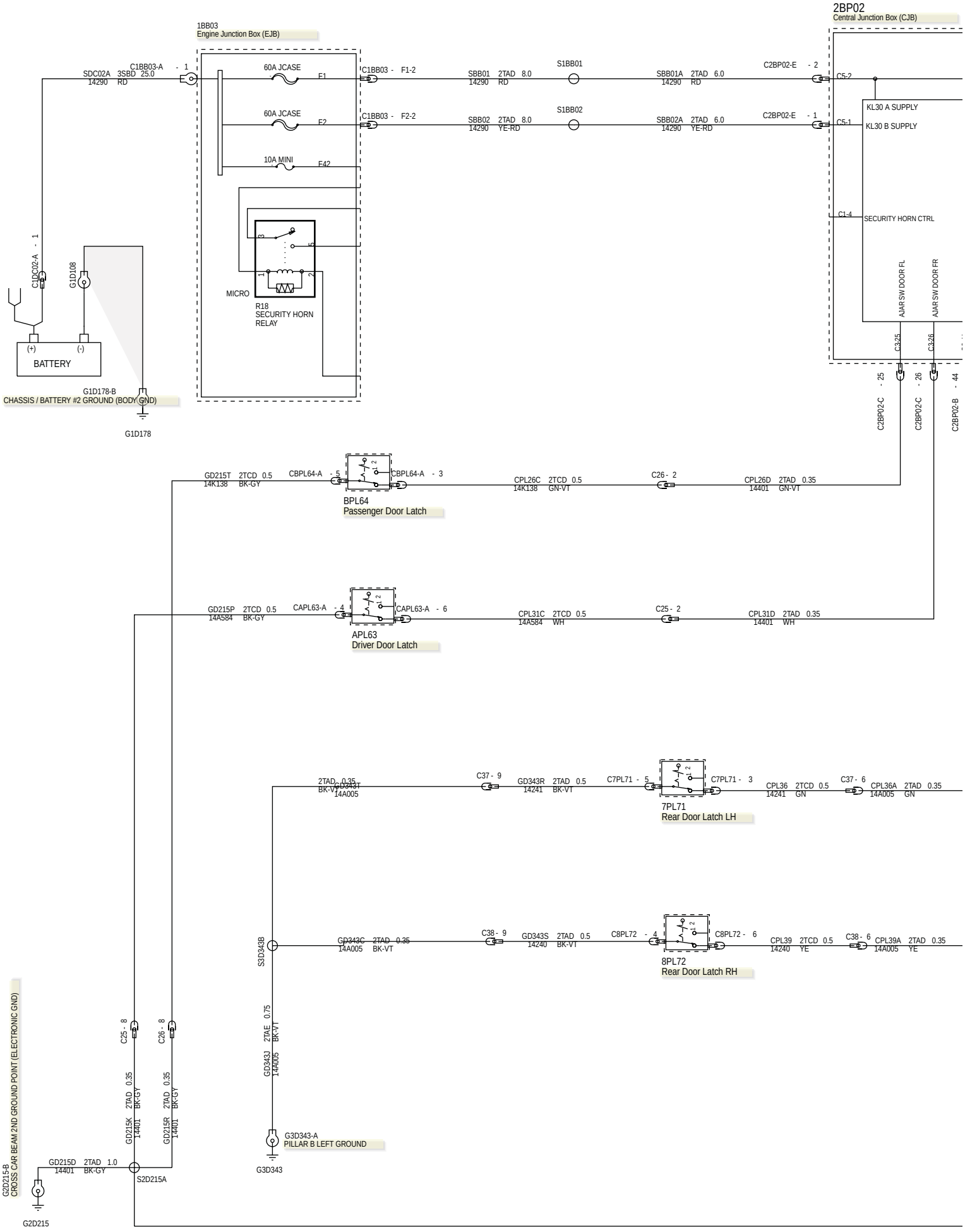

F81
5A MINI
F72
7.5A MINI
PASSTHROUGH IMS
BBS SUPPLY
C4-18
C8-18
C2BP02-D - 18
C2BP02-H - 18
SBP72A 2TAD 0.5
14401 VT-RD
C21 - 55
SBP72 3TBD 0.5
14290 VT-RD
C1RT16 - 3
1RT16
Anti-Theft Alarm Horn with Integral Battery
POWER
LIN
GND
LIN 2 GND
C1-21
C2BP02-A - 21
VRT27 3TBD 0.5
14290 BN-BU
C1RT16 - 2
C1RT16 - 1
LIN 2
C4-12
C2BP02-D - 12
GD121AG 3TBD 0.5
14290 BK-YE
AJAR SW DOOR RL
AJAR SW DOOR RR
HOOD AJAR SWITCH
CAN
LIN
C2-44
C2-25
C1-15
C2BP02-B - 25
C2BP02-A - 15
9RT12
Intrusion Sensor
SBP81 2TAD 0.35
14401 RD
C29 - 17
SBP81A 2TAD 0.35
14334 RD
C9RT12 - 3
VRT26 2TAD 0.35
14401 VT
C29 - 15
VRT26A 2TAD 0.35
14334 VT
C9RT12 - 2
C9RT12 - 1
GD215AA 2TAD 0.35
14401 BK-GY
C29 - 22
GD215AB 2TAD 0.35
14334 BK-GY
S9D215
GD215AH 2TAD 0.35
14334 BK-GY
W/ ELECTROCHROMATIC
W/ RAIN SENSOR
GD215AR 2TAD 0.35
14334 BK-GY
W/O ELECTROCHROMATIC
W/O RAIN SENSOR
CP1-25 3TBD 0.5 BU-OG 14290
C1RT17 - 2
1RT17
Hood Switch
C1RT17 - 1
GD121X 3TBD 0.5 BK-YE 14290
S1D121D
GD121AC 3TBD 0.5 BK-YE 14290
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121

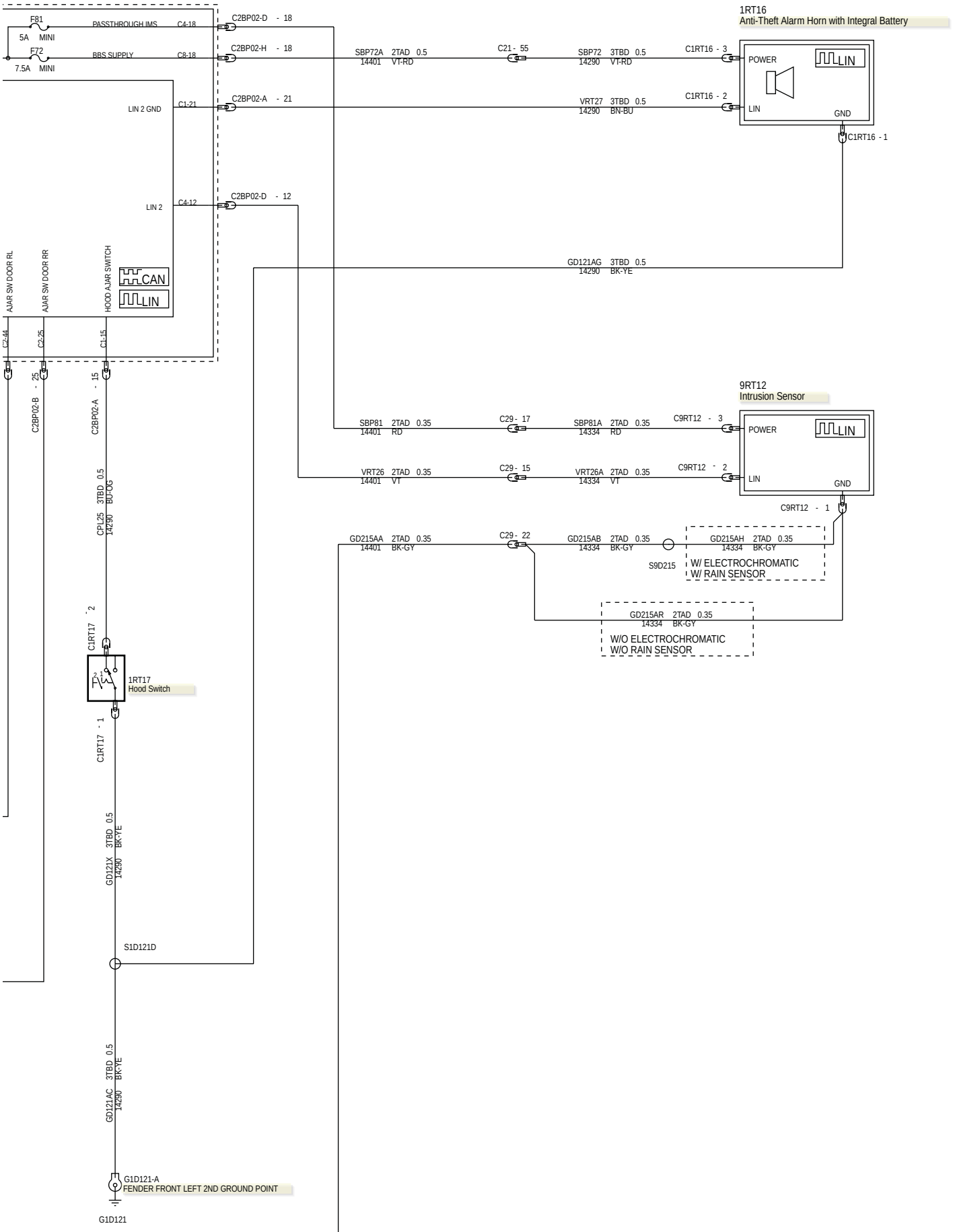

2BP02
Central Junction Box (CJB)
1BB03
Engine Junction Box (EJB)
SDC02A 3SBD 25.0 14290 RD
C1BB03-A - 1
60A JCASE F1
60A JCASE F2
10A MINI F42
C1BB03 - F1-2
C1BB03 - F2-2
SBB01 2TAD 8.0 14290 RD
SBB02 2TAD 8.0 14290 YE-RD
S1BB01
S1BB02
SBB01A 2TAD 6.0 14290 RD
SBB02A 2TAD 6.0 14290 YE-RD
C2BP02-E - 2
C2BP02-E - 1
C5-2
C5-1
KL30 A SUPPLY
KL30 B SUPPLY
C1-4
SECURITY HORN CTRL
AJAR SW DOOR FL
AJAR SW DOOR FR
C3-25
C3-26
C2BP02-C - 25
C2BP02-C - 26
C2BP02-B - 44
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
MICRO
R18
SECURITY HORN RELAY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
GD215N 2TCD 0.5 14A584 BK-GY
CAPL63 - 5
CAPL63 - 3
APL63
Driver Door Latch
CPL26 2TCD 0.5 14A584 GN-VT
C25 - 2
CPL26A 2TAD 0.35 14401 GN-VT
GD215S 2TCD 0.5 14K138 BK-GY
CBPL64 - 4
CBPL64 - 6
BPL64
Passenger Door Latch
CPL31 2TCD 0.5 14K138 WH
C26 - 2
CPL31A 2TAD 0.35 14401 WH
C37-A - 5
GD343V 2TAD 0.5 14241 BK-VT
C7PL71-A - 2
C7PL71-A - 1
7PL71
Rear Door Latch LH
CPL36B 2TCD 0.5 14241 GN
C37-A - 6
CPL36C 2TAD 0.35 14A005 GN
C38-A - 5
GD343U 2TAD 0.5 14240 BK-VT
C8PL72-A - 2
C8PL72-A - 1
8PL72
Rear Door Latch RH
CPL39B 2TCD 0.5 14240 YE
C38-A - 6
CPL39C 2TAD 0.35 14A005 YE
GD345AC 2TAD 0.35 14A005 BK-BU
GD345AD 2TAD 0.35 14A005 BK-BU
S3D345B
GD345R 2TAE 0.75 14A005 BK-BU
G3D345-A
PILLAR B RIGHT GROUND
G3D345
C25 - 8
C26 - 8
GD215K 2TAD 0.35 14401 BK-GY
GD215R 2TAD 0.35 14401 BK-GY
GD215D 2TAD 1.0 14401 BK-GY
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215

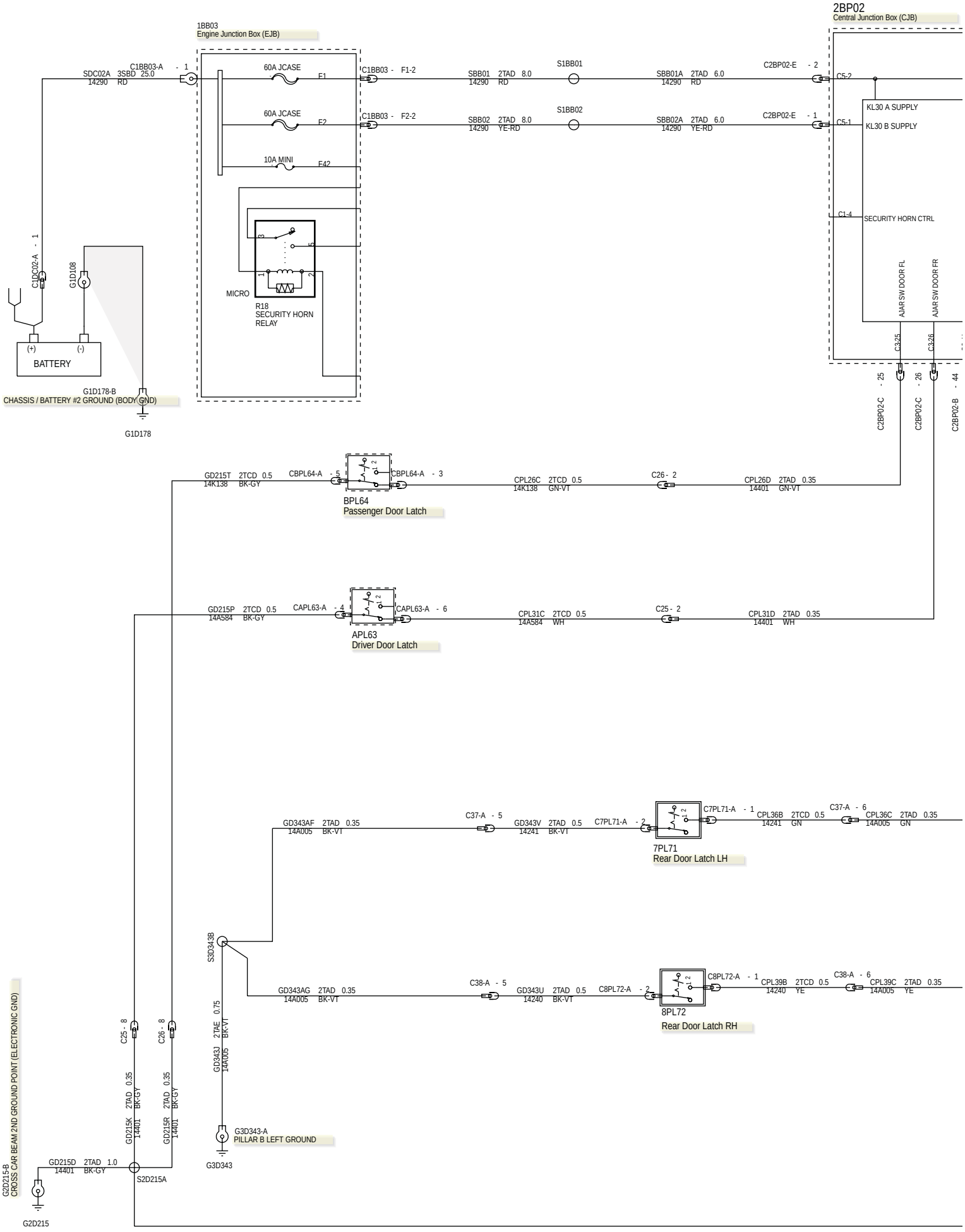

F81
5A MINI
PASSTHROUGH IMS
C4-18
C2BP02-D - 18
F72
7.5A MINI
BBS SUPPLY
C8-18
C2BP02-H - 18
SBP72A 2TAD 0.5
14401 VT-RD
C21 - 55
SBP72 3TBD 0.5
14290 VT-RD
C1RT16 - 3
1RT16
Anti-Theft Alarm Horn with Integral Battery
POWER
LIN
LIN
GND
C1RT16 - 2
VRT27 3TBD 0.5
14290 BN-BU
LIN 2 GND
C1-21
C2BP02-A - 21
C1RT16 - 1
LIN 2
C4-12
C2BP02-D - 12
GD121AG 3TBD 0.5
14290 BK-YE
AJAR SW DOOR RL
AJAR SW DOOR RR
HOOD AJAR SWITCH
CAN
LIN
C2-44
C2-25
C1-15
C2BP02-B - 25
C2BP02-A - 15
9RT12
Intrusion Sensor
SBP81 2TAD 0.35
14401 RD
C29 - 17
SBP81A 2TAD 0.35
14334 RD
C9RT12 - 3
POWER
LIN
VRT26 2TAD 0.35
14401 VT
C29 - 15
VRT26A 2TAD 0.35
14334 VT
C9RT12 - 2
LIN
GND
C9RT12 - 1
CP1-25 3TBD 0.5
14290 BU-OG
GD215AA 2TAD 0.35
14401 BK-GY
C29 - 22
GD215AB 2TAD 0.35
14334 BK-GY
GD215AH 2TAD 0.35
14334 BK-GY
S9D215
W/ ELECTROCHROMATIC
W/ RAIN SENSOR
GD215AR 2TAD 0.35
14334 BK-GY
W/O ELECTROCHROMATIC
W/O RAIN SENSOR
C1RT17 - 2
1RT17
Hood Switch
C1RT17 - 1
GD121X 3TBD 0.5
14290 BK-YE
S1D121D
GD121AC 3TBD 0.5
14290 BK-YE
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121

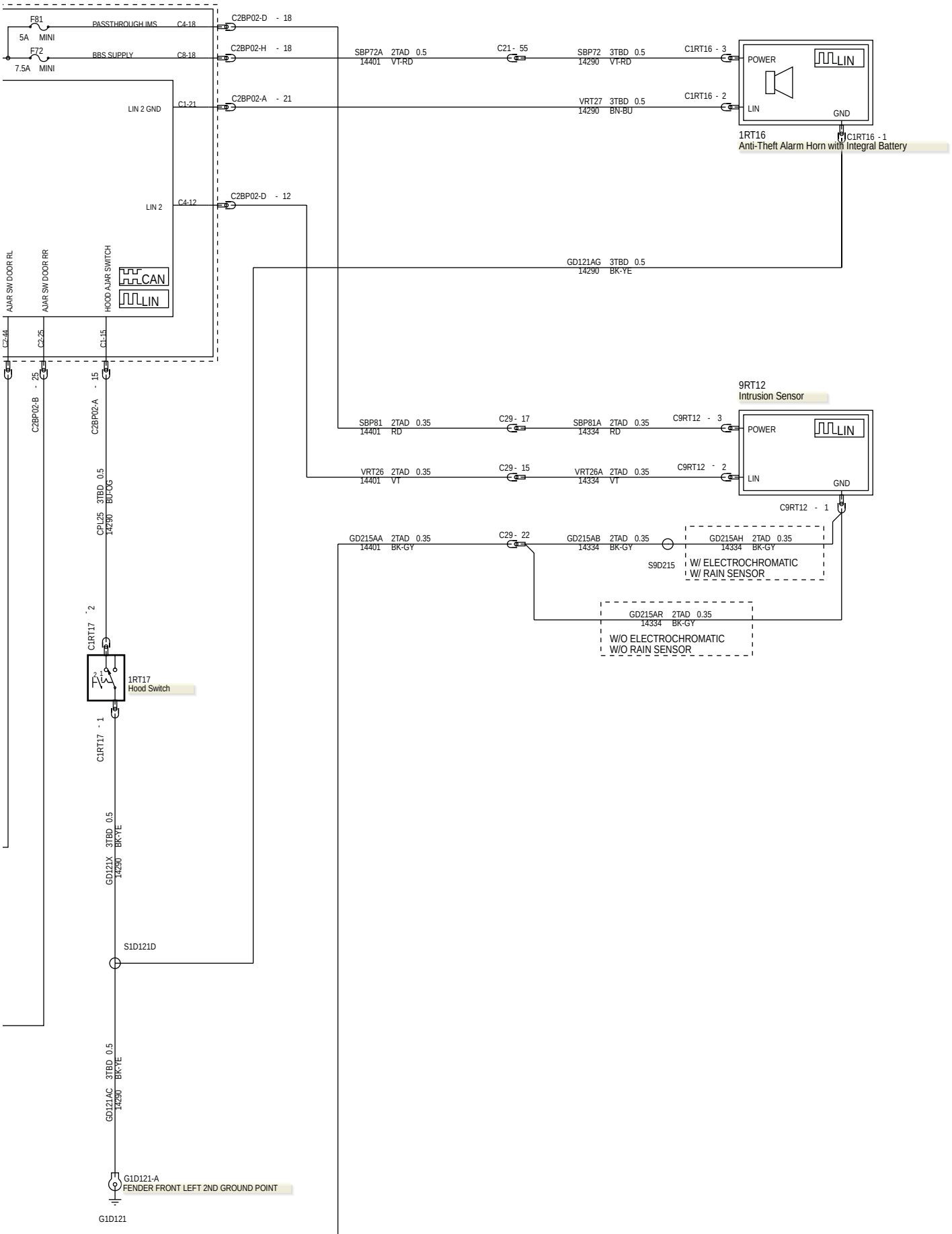

2BP02
Central Junction Box (CJB)
1BB03
Engine Junction Box (EJB)
SDC02A 3SBD 25.0 14290 RD
C1BB03-A - 1
60A JCASE F1
60A JCASE F2
10A MINI F42
C1BB03 - F1-2
C1BB03 - F2-2
SBB01 2TAD 8.0 14290 RD
SBB02 2TAD 8.0 14290 YE-RD
S1BB01
S1BB02
SBB01A 2TAD 6.0 14290 RD
SBB02A 2TAD 6.0 14290 YE-RD
C2BP02-E - 2
C2BP02-E - 1
C5-2
C5-1
KL30 A SUPPLY
KL30 B SUPPLY
C1-4
SECURITY HORN CTRL
AJAR SW DOOR FL
AJAR SW DOOR FR
C3-25
C3-26
C2BP02-C - 25
C2BP02-C - 26
MICRO
R18
SECURITY HORN RELAY
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
GD215T 2TCD 0.5 14K138 BK-GY
CBPL64-A - 5
CBPL64-A - 3
BPL64
Passenger Door Latch
CPL26C 2TCD 0.5 14K138 GN-VT
C26 - 2
CPL26D 2TAD 0.35 14401 GN-VT
GD215P 2TCD 0.5 14A584 BK-GY
CAPL63-A - 4
CAPL63-A - 6
APL63
Driver Door Latch
CPL31C 2TCD 0.5 14A584 WH
C25 - 2
CPL31D 2TAD 0.35 14401 WH
C25 - 8
C26 - 8
GD215K 2TAD 0.35 14401 BK-GY
GD215R 2TAD 0.35 14401 BK-GY
GD215D 2TAD 1.0 14401 BK-GY
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215


F81
5A MINI
F72
7.5A MINI
PASSTHROUGH IMS
BBS SUPPLY
C4-18
C8-18
C2BP02-D - 18
C2BP02-H - 18
SBP72A 2TAD 0.5
14401 VT-RD
C21 - 55
SBP72 3TBD 0.5
14290 VT-RD
C1RT16 - 3
1RT16
Anti-Theft Alarm Horn with Integral Battery
POWER
LIN
GND
LIN 2 GND
C1-21
C2BP02-A - 21
VRT27 3TBD 0.5
14290 BN-BU
C1RT16 - 2
C1RT16 - 1
LIN 2
C4-12
C2BP02-D - 12
GD121AG 3TBD 0.5
14290 BK-YE
AJAR SW DOOR RL
AJAR SW DOOR RR
HOOD AJAR SWITCH
CAN
LIN
C2-44
C2-25
C1-15
C2BP02-A - 15
9RT12
Intrusion Sensor
SBP81 2TAD 0.35
14401 RD
C29 - 17
SBP81A 2TAD 0.35
14334 RD
C9RT12 - 3
VRT26 2TAD 0.35
14401 VT
C29 - 15
VRT26A 2TAD 0.35
14334 VT
C9RT12 - 2
C9RT12 - 1
GD215AA 2TAD 0.35
14401 BK-GY
C29 - 22
GD215AB 2TAD 0.35
14334 BK-GY
S9D215
GD215AH 2TAD 0.35
14334 BK-GY
W/ ELECTROCHROMATIC
W/ RAIN SENSOR
GD215AR 2TAD 0.35
14334 BK-GY
W/O ELECTROCHROMATIC
W/O RAIN SENSOR
CP1-25 3TBD 0.5 BU-OG 14290
C1RT17 - 2
1RT17
Hood Switch
C1RT17 - 1
GD121X 3TBD 0.5 BK-YE 14290
S1D121D
GD121AC 3TBD 0.5 BK-YE 14290
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121

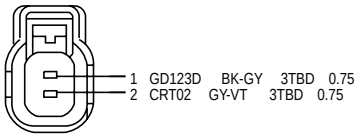

2BP02
Central Junction Box (CJB)
1BB03
Engine Junction Box (EJB)
SDC02A 3SBD 25.0 14290 RD
C1BB03-A - 1
60A JCASE F1
60A JCASE F2
10A MINI F42
C1BB03 - F1-2
C1BB03 - F2-2
SBB01 2TAD 8.0 14290 RD
SBB02 2TAD 8.0 14290 YE-RD
S1BB01
S1BB02
SBB01A 2TAD 6.0 14290 RD
SBB02A 2TAD 6.0 14290 YE-RD
C2BP02-E - 2
C2BP02-E - 1
C5-2
C5-1
KL30 A SUPPLY
KL30 B SUPPLY
C1-4
SECURITY HORN CTRL
AJAR SW DOOR FL
AJAR SW DOOR FR
C3-25
C3-26
C2BP02-C - 25
C2BP02-C - 26
C2BP02-B - 44
C1DC02-A - 1
G1D108
MICRO
R18
SECURITY HORN RELAY
BATTERY
(+)
(-)
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
GD215T 2TCD 0.5 14K138 BK-GY
CBPL64-A - 5
CBPL64-A - 3
BPL64
Passenger Door Latch
CPL26C 2TCD 0.5 14K138 GN-VT
C26 - 2
CPL26D 2TAD 0.35 14401 GN-VT
GD215P 2TCD 0.5 14A584 BK-GY
CAPL63-A - 4
CAPL63-A - 6
APL63
Driver Door Latch
CPL31C 2TCD 0.5 14A584 WH
C25 - 2
CPL31D 2TAD 0.35 14401 WH
2TAD 0.35 BK-VT GD343T 14A005
C37 - 9
GD343R 2TAD 0.5 14241 BK-VT
C7PL71 - 5
C7PL71 - 3
7PL71
Rear Door Latch LH
CPL36 2TCD 0.5 14241 GN
C37 - 6
CPL36A 2TAD 0.35 14A005 GN
GD343C 2TAD 0.35 14A005 BK-VT
C38 - 9
GD343S 2TAD 0.5 14240 BK-VT
C8PL72 - 4
C8PL72 - 6
8PL72
Rear Door Latch RH
CPL39 2TCD 0.5 14240 YE
C38 - 6
CPL39A 2TAD 0.35 14A005 YE
S3D343B
GD343J 2TAE 0.75 14A005 BK-VT
G3D343-A
PILLAR B LEFT GROUND
G3D343
C25 - 8
C26 - 8
GD215K 2TAD 0.35 14401 BK-GY
GD215R 2TAD 0.35 14401 BK-GY
GD215D 2TAD 1.0 14401 BK-GY
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215


F81
5A MINI
F72
7.5A MINI
PASSTHROUGH IMS
C4-18
BBS SUPPLY
C8-18
C2BP02-D - 18
C2BP02-H - 18
SBP72A 2TAD 0.5
14401 VT-RD
C21 - 55
SBP72 3TBD 0.5
14290 VT-RD
C1RT16 - 3
1RT16
Anti-Theft Alarm Horn with Integral Battery
POWER
LIN
LIN
GND
C1RT16 - 2
VRT27 3TBD 0.5
14290 BN-BU
C1RT16 - 1
LIN 2 GND
C1-21
C2BP02-A - 21
LIN 2
C4-12
C2BP02-D - 12
GD121AG 3TBD 0.5
14290 BK-YE
AJAR SW DOOR RL
AJAR SW DOOR RR
HOOD AJAR SWITCH
CAN
LIN
C2-44
C2-25
C1-15
C2BP02-B - 25
C2BP02-A - 15
9RT12
Intrusion Sensor
SBP81 2TAD 0.35
14401 RD
C29 - 17
SBP81A 2TAD 0.35
14334 RD
C9RT12 - 3
VRT26 2TAD 0.35
14401 VT
C29 - 15
VRT26A 2TAD 0.35
14334 VT
C9RT12 - 2
C9RT12 - 1
GD215AA 2TAD 0.35
14401 BK-GY
C29 - 22
GD215AB 2TAD 0.35
14334 BK-GY
S9D215
GD215AH 2TAD 0.35
14334 BK-GY
W/ ELECTROCHROMATIC
W/ RAIN SENSOR
GD215AR 2TAD 0.35
14334 BK-GY
W/O ELECTROCHROMATIC
W/O RAIN SENSOR
CP1-25 3TBD 0.5 BU-OG 14290
C1RT17 - 2
1RT17
Hood Switch
C1RT17 - 1
GD121X 3TBD 0.5 BK-YE 14290
S1D121D
GD121AC 3TBD 0.5 BK-YE 14290
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121


2BP02
Central Junction Box (CJB)
1BB03
Engine Junction Box (EJB)
SDC02A 3SBD 25.0 14290 RD
C1BB03-A - 1
60A JCASE F1
60A JCASE F2
10A MINI F42
C1BB03 - F1-2
C1BB03 - F2-2
SBB01 2TAD 8.0 14290 RD
SBB02 2TAD 8.0 14290 YE-RD
S1BB01
S1BB02
SBB01A 2TAD 6.0 14290 RD
SBB02A 2TAD 6.0 14290 YE-RD
C2BP02-E - 2
C2BP02-E - 1
C5-2
C5-1
KL30 A SUPPLY
KL30 B SUPPLY
C1-4
SECURITY HORN CTRL
AJAR SW DOOR FL
AJAR SW DOOR FR
C3-25
C3-26
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
MICRO
R18
SECURITY HORN RELAY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
C2BP02-C - 25
C2BP02-C - 26
C2BP02-B - 44
GD215T 2TCD 0.5 14K138 BK-GY
CBPL64-A - 5
CBPL64-A - 3
CPL26C 2TCD 0.5 14K138 GN-VT
C26 - 2
CPL26D 2TAD 0.35 14401 GN-VT
BPL64
Passenger Door Latch
GD215P 2TCD 0.5 14A584 BK-GY
CAPL63-A - 4
CAPL63-A - 6
CPL31C 2TCD 0.5 14A584 WH
C25 - 2
CPL31D 2TAD 0.35 14401 WH
APL63
Driver Door Latch
GD343AF 2TAD 0.35 14A005 BK-VT
C37-A - 5
GD343V 2TAD 0.5 14241 BK-VT
C7PL71-A - 1
C7PL71-A - 2
CPL36B 2TCD 0.5 14241 GN
C37-A - 6
CPL36C 2TAD 0.35 14A005 GN
7PL71
Rear Door Latch LH
S3D343B
GD343AG 2TAD 0.35 14A005 BK-VT
C38-A - 5
GD343U 2TAD 0.5 14240 BK-VT
C8PL72-A - 1
C8PL72-A - 2
CPL39B 2TCD 0.5 14240 YE
C38-A - 6
CPL39C 2TAD 0.35 14A005 YE
8PL72
Rear Door Latch RH
C25 - 8
C26 - 8
GD343J 2TAE 0.75 14A005 BK-VT
GD215K 2TAD 0.35 14401 BK-GY
GD215R 2TAD 0.35 14401 BK-GY
G3D343-A
PILLAR B LEFT GROUND
G3D343
GD215D 2TAD 1.0 14401 BK-GY
S2D215A
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215


F81
5A MINI
PASSTHROUGH IMS
C4-18
C2BP02-D - 18
F72
7.5A MINI
BBS SUPPLY
C8-18
C2BP02-H - 18
SBP72A 2TAD 0.5
14401 VT-RD
C21 - 55
SBP72 3TBD 0.5
14290 VT-RD
C1RT16 - 3
POWER
LIN
GND
C1RT16 - 2
VRT27 3TBD 0.5
14290 BN-BU
LIN 2 GND
C1-21
C2BP02-A - 21
1RT16
Anti-Theft Alarm Horn with Integral Battery
C1RT16 - 1
LIN 2
C4-12
C2BP02-D - 12
GD121AG 3TBD 0.5
14290 BK-YE
AJAR SW DOOR RL
AJAR SW DOOR RR
HOOD AJAR SWITCH
CAN
LIN
C2-44
C2-25
C1-15
C2BP02-B - 25
C2BP02-A - 15
9RT12
Intrusion Sensor
SBP81 2TAD 0.35
14401 RD
C29 - 17
SBP81A 2TAD 0.35
14334 RD
C9RT12 - 3
VRT26 2TAD 0.35
14401 VT
C29 - 15
VRT26A 2TAD 0.35
14334 VT
C9RT12 - 2
C9RT12 - 1
CP1-25 3TBD 0.5
14290 BU-OG
GD215AA 2TAD 0.35
14401 BK-GY
C29 - 22
GD215AB 2TAD 0.35
14334 BK-GY
S9D215
GD215AH 2TAD 0.35
14334 BK-GY
W/ ELECTROCHROMATIC
W/ RAIN SENSOR
GD215AR 2TAD 0.35
14334 BK-GY
W/O ELECTROCHROMATIC
W/O RAIN SENSOR
C1RT17 - 2
1RT17
Hood Switch
C1RT17 - 1
GD121X 3TBD 0.5
14290 BK-YE
S1D121D
GD121AC 3TBD 0.5
14290 BK-YE
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121

Anti-Theft Alarm Horn (G1405461)

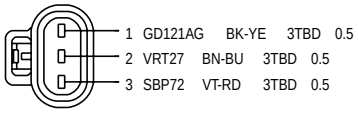


4W7T-14A464-BB

C1RT02
TO SECURITY HORN

HARNESS 14290

Anti-Theft Alarm Horn with Integral Battery (G1404588)

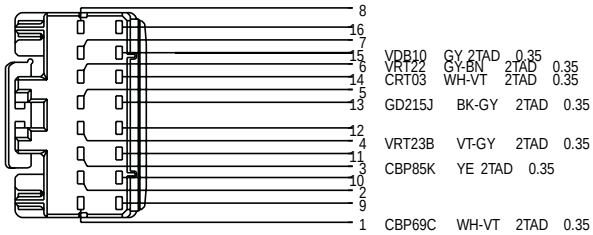


2R8T-14A464-EA

C1RT16
TO BATTERY BACKED SOUNDER

HARNESS 14290

Anti-Theft Alarm Module (G1404589)

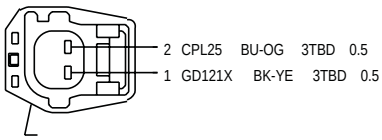


3W4T-14A464-XA

C2RT03
TO TRACKING & BLOCKING MODULE

HARNESS 14401

Hood Switch (G1404590)



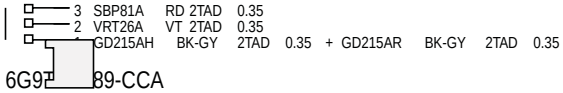
XW4T-14A464-AJB

C1RT17
TO HOOD AJAR SWITCH

HARNESS 14290

Intrusion Sensor (G1404591)

PIN 1 => GD215AR BK-GY 0.35 2TAD + GD215AH BK-GY 0.35 2TAD



6G97-89-CCA

C9RT12
TO INTERIOR MOTION SENSOR

HARNESS 14334

SECTION 419-01B Anti-Theft - Passive

VEHICLE APPLICATION: 2012.0 Ranger

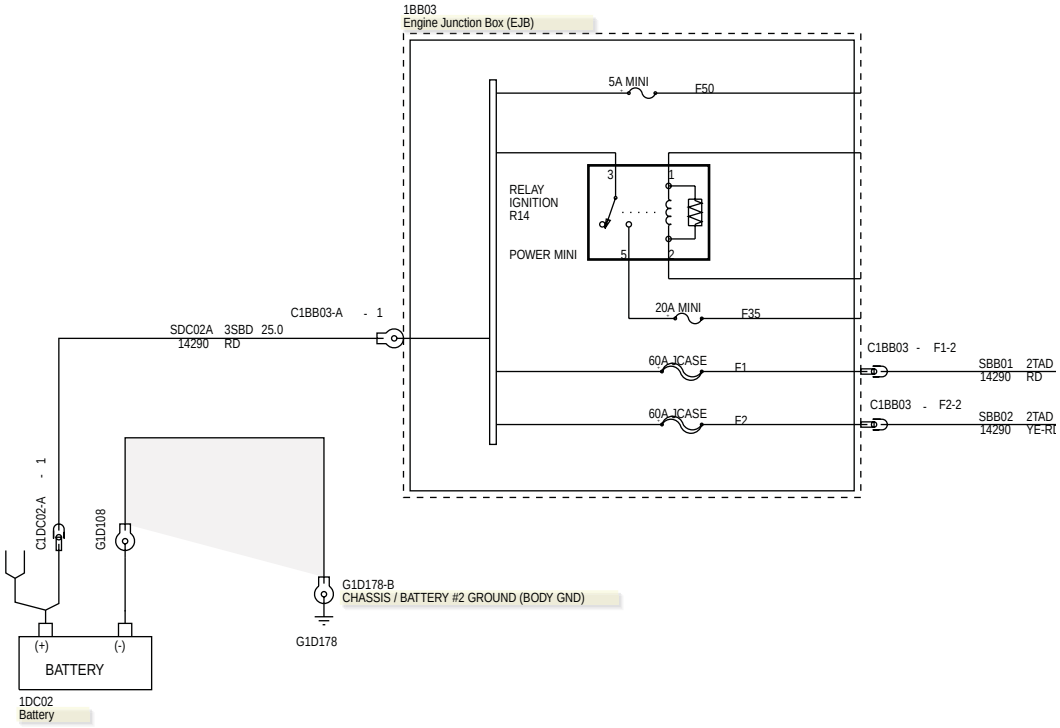
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ELECTRICAL SCHEMATICS

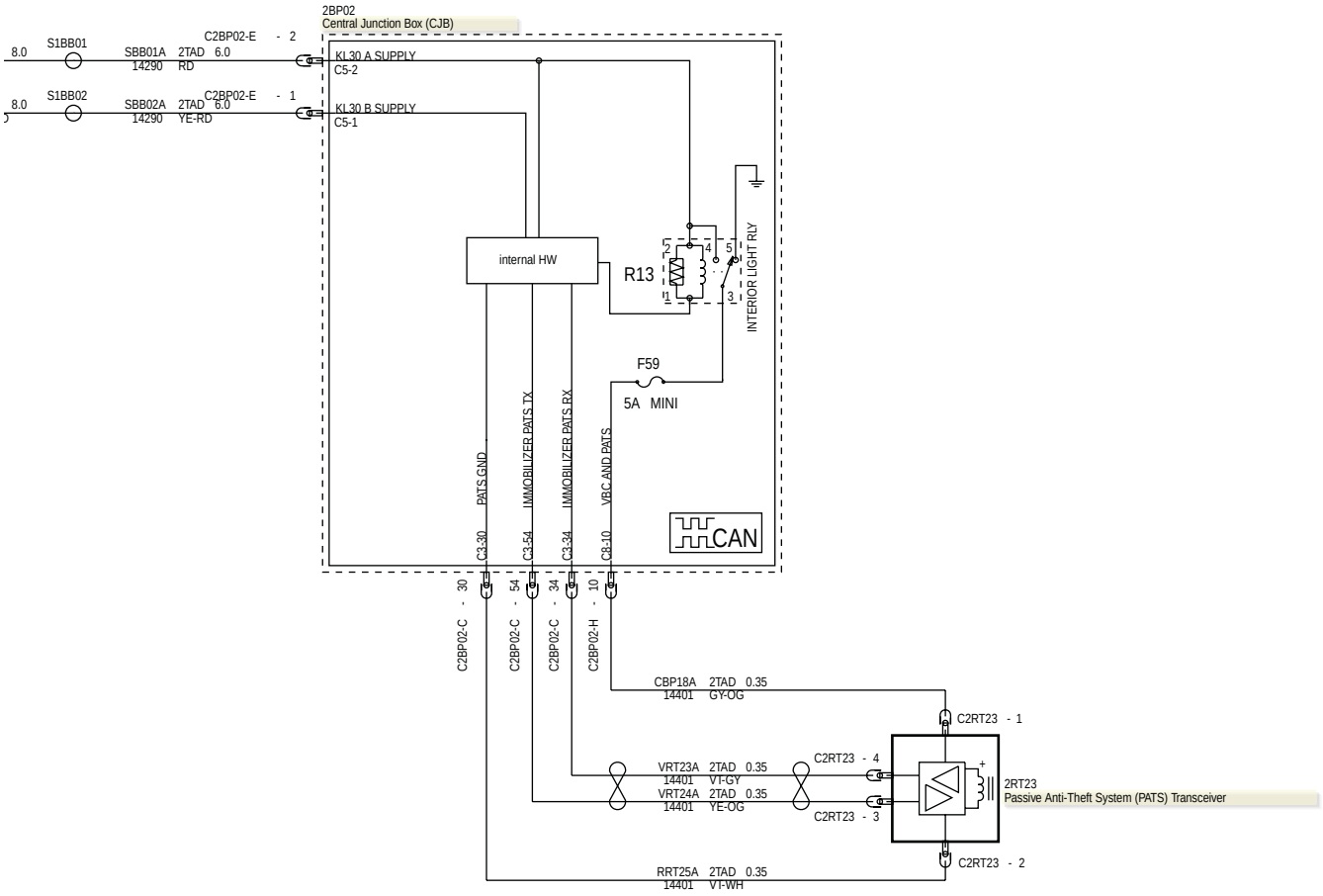
Passive Anti-Theft System (PATS)..... 419-01B-2

ELECTRICAL CONNECTORS

Passive Anti-Theft System (PATS) Transceiver..... 419-01B-4

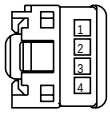

1BB03
Engine Junction Box (EJB)
5A MINI
F50
RELAY
IGNITION
R14
POWER MINI
3
1
5
2
20A MINI
F35
C1BB03-A - 1
SDC02A 3SBD 25.0
14290 RD
60A JCASE
F1
C1BB03 - F1-2
SBB01 2TAD
14290 RD
60A JCASE
F2
C1BB03 - F2-2
SBB02 2TAD
14290 YE-RD
C1DC02-A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
(+)
(-)
BATTERY
1DC02
Battery

419-01B-3 Passive Anti-Theft System (PATS)



Passive Anti-Theft System (PATS) Transceiver (G1404593)

PIN 3 => VRT24B YE-OG 0.35 2TAD
PIN 4 => VRT22 GY-BN 0.35 2TAD



1	CBP18A	GY-OG	2TAD	0.35
2	RRT25A	VT-WH	2TAD	0.35
3	VRT24A	YE-OG	2TAD	0.35
4	VRT23A	VT-GY	2TAD	0.35

1L2T-14489-GC

C2RT23
TO PATS TRANSCEIVER

HARNESS 14401

SECTION 419-03 Cruise Control

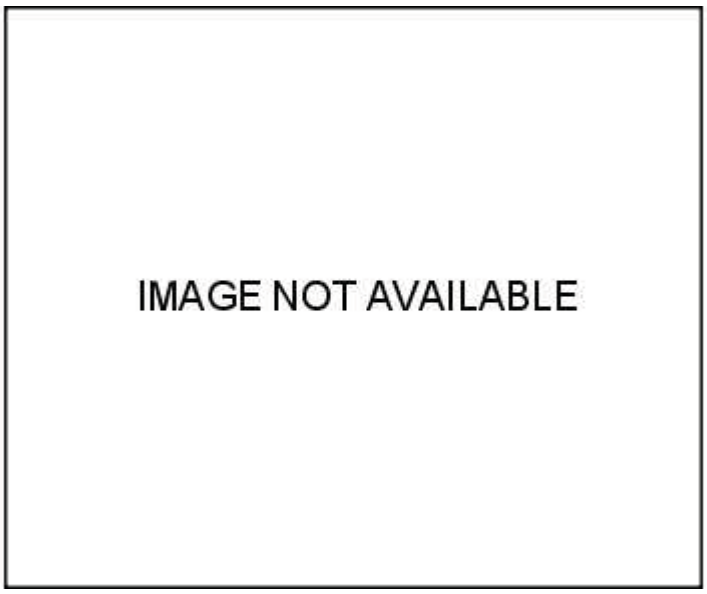
VEHICLE APPLICATION: 2012.0 Ranger

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Cruise Control Switch..... 419-03-2

Cruise Control Switch (G1425385)



SECTION 419-10 Multifunction Electronic Modules

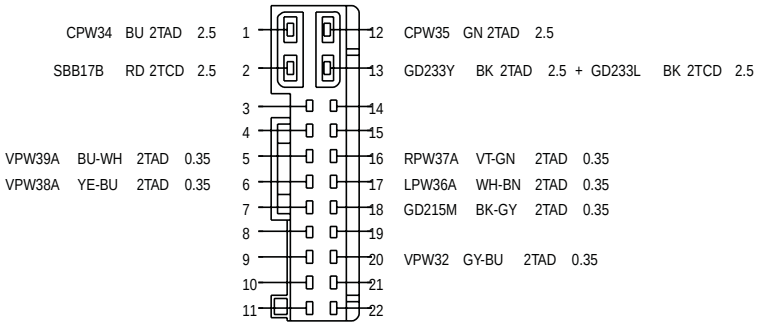
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Passenger Door Module (PDM) — A..... 419-10-3
Rear Door Module (RDM) LH..... 419-10-3
Rear Door Module (RDM) RH..... 419-10-3

Driver Door Module (DDM) (G1405466)

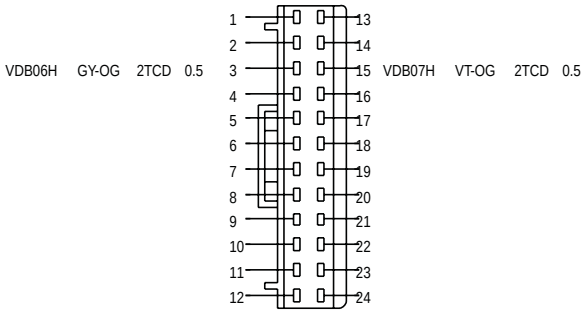


6G9T-14489-SYA

CAPW02
TO DRIVER DOOR MODULE 1

HARNESS 14A584

Driver Door Module (DDM)—A (G1405467)

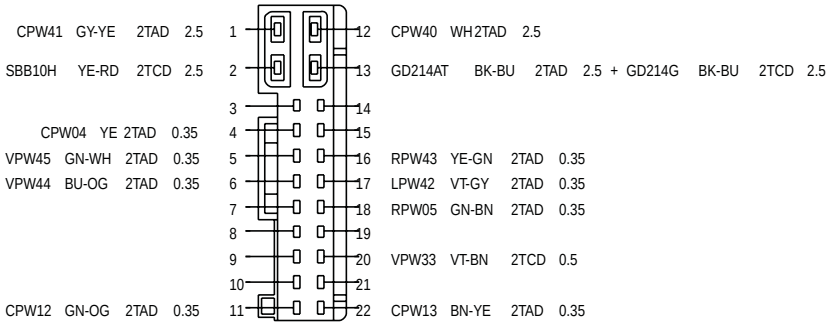


6G9T-14489-AZA

CAPW02-A
TO DRIVER DOOR MODULE 2

HARNESS 14A584

Passenger Door Module (PDM) (G1405468)

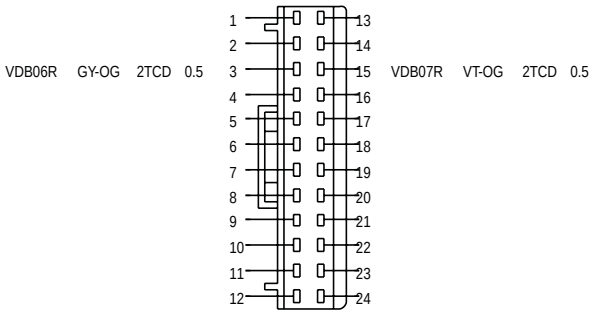


6G9T-14489-TYA

CBPW04
TO PASSENGER DOOR MODULE 1

HARNESS 14K138

Passenger Door Module (PDM)—A (G1405469)

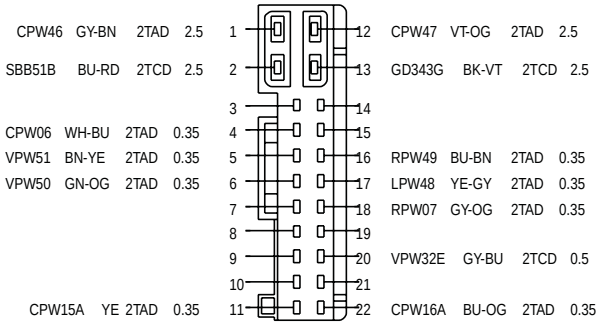


6G9T-14489-BZA

CBPW04-A
TO PASSENGER DOOR MODULE 2

HARNESS 14K138

Rear Door Module (RDM) LH (G1404710)

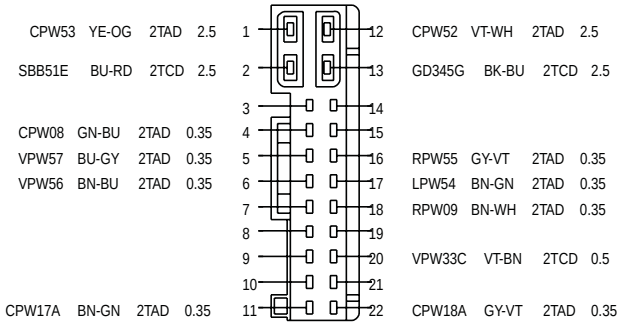


6G9T-14489-SYA

C7PW03
TO REAR LEFT DOOR MODULE

HARNESS 14241

Rear Door Module (RDM) RH (G1404711)



6G9T-14489-SYA

C8PW05
TO REAR RIGHT DOOR MODULE

HARNESS 14240

GROUP

5 Body and Paint

SECTION TITLE PAGE

Body and Paint
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SECTION 501-09 Rear View Mirrors

VEHICLE APPLICATION: 2012.0 Ranger

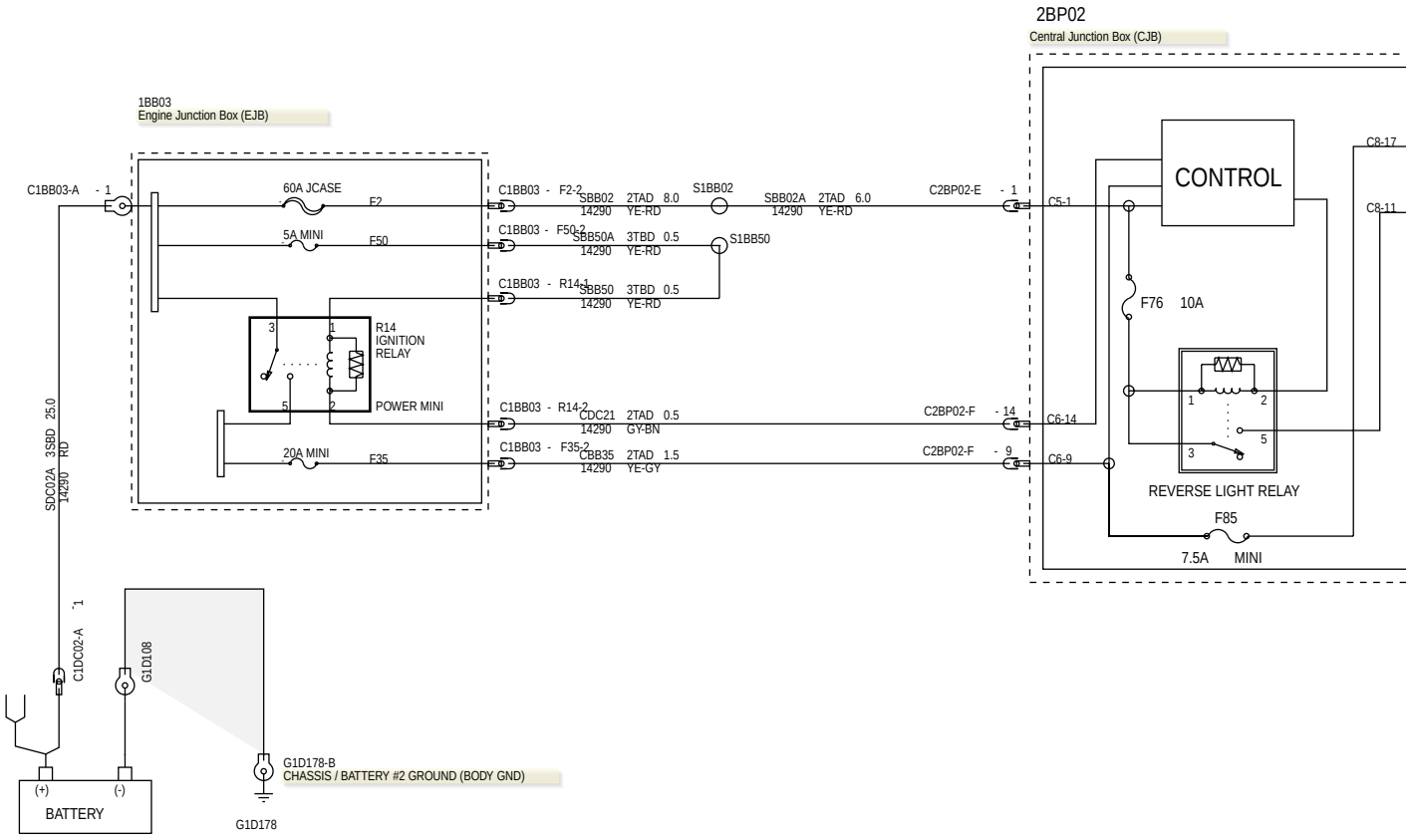
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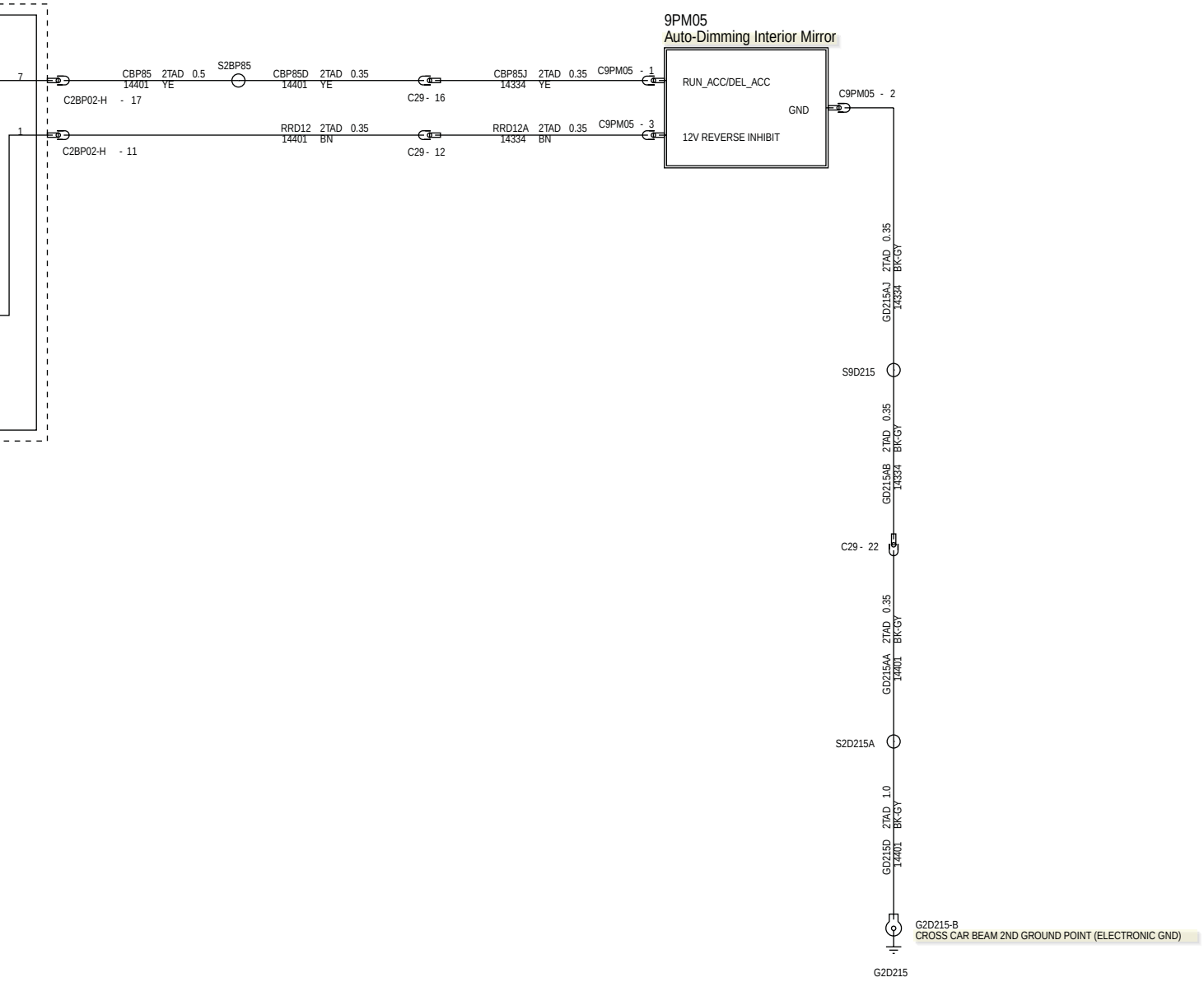
ELECTRICAL SCHEMATICS

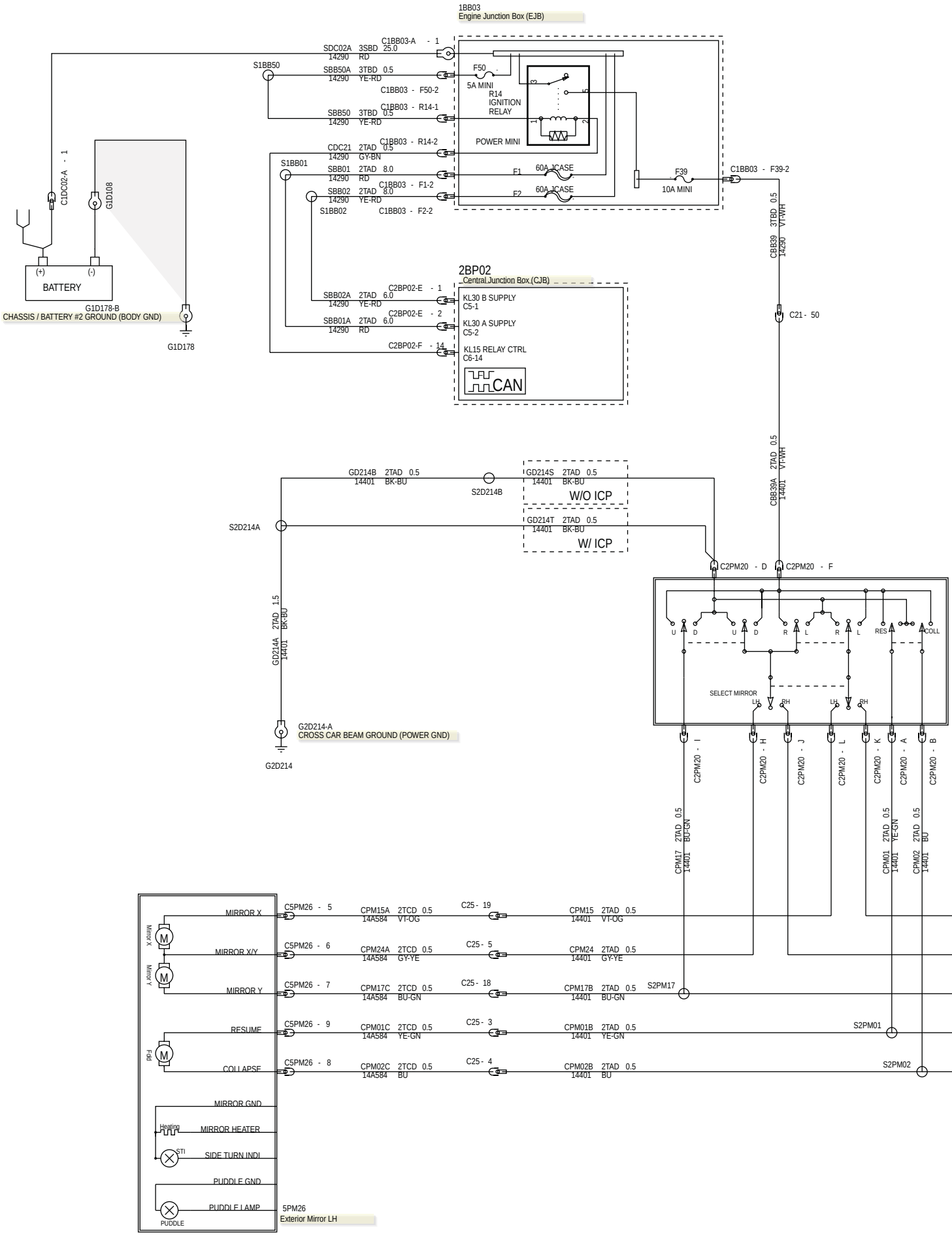
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ELECTRICAL CONNECTORS

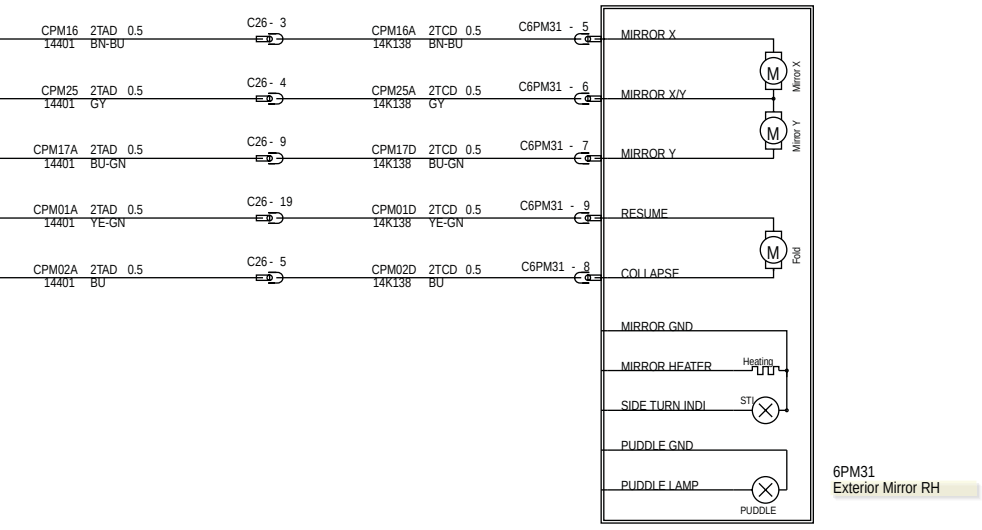
Auto-Dimming Interior Mirror..... 501-09-8
Exterior Mirror Control Switch..... 501-09-8
Exterior Mirror LH..... 501-09-8
Exterior Mirror RH..... 501-09-8


2BP02
Central Junction Box (CJB)
1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
60A JCASE
F2
5A MINI
F50
20A MINI
F35
R14
IGNITION
RELAY
POWER MINI
C1BB03 - F2-2
SBB02 2TAD 8.0
14290 YE-RD
S1BB02
SBB02A 2TAD 6.0
14290 YE-RD
C2BP02-E - 1
C5-1
C1BB03 - F50-2
SBB50A 3TBD 0.5
14290 YE-RD
S1BB50
C1BB03 - R14-1
SBB50 3TBD 0.5
14290 YE-RD
C1BB03 - R14-2
CDC21 2TAD 0.5
14290 GY-BN
C2BP02-F - 14
C6-14
C1BB03 - F35-2
CBB35 2TAD 1.5
14290 YE-GY
C2BP02-F - 9
C6-9
CONTROL
C8-17
C8-11
F76 10A
REVERSE LIGHT RELAY
F85
7.5A MINI
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178


9PM05
Auto-Dimming Interior Mirror
RUN_ACC/DEL_ACC
GND
12V REVERSE INHIBIT
C9PM05 - 1
C9PM05 - 2
C9PM05 - 3
CBP85 2TAD 0.5 14401 YE
S2BP85
CBP85D 2TAD 0.35 14401 YE
CBP85J 2TAD 0.35 14334 YE
C2BP02-H - 17
C29 - 16
RRD12 2TAD 0.35 14401 BN
RRD12A 2TAD 0.35 14334 BN
C2BP02-H - 11
C29 - 12
GD215AJ 2TAD 0.35 14334 BK-GY
S9D215
GD215AB 2TAD 0.35 14334 BK-GY
C29 - 22
GD215AA 2TAD 0.35 14401 BK-GY
S2D215A
GD215D 2TAD 1.0 14401 BK-GY
G2D215-B
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
G2D215

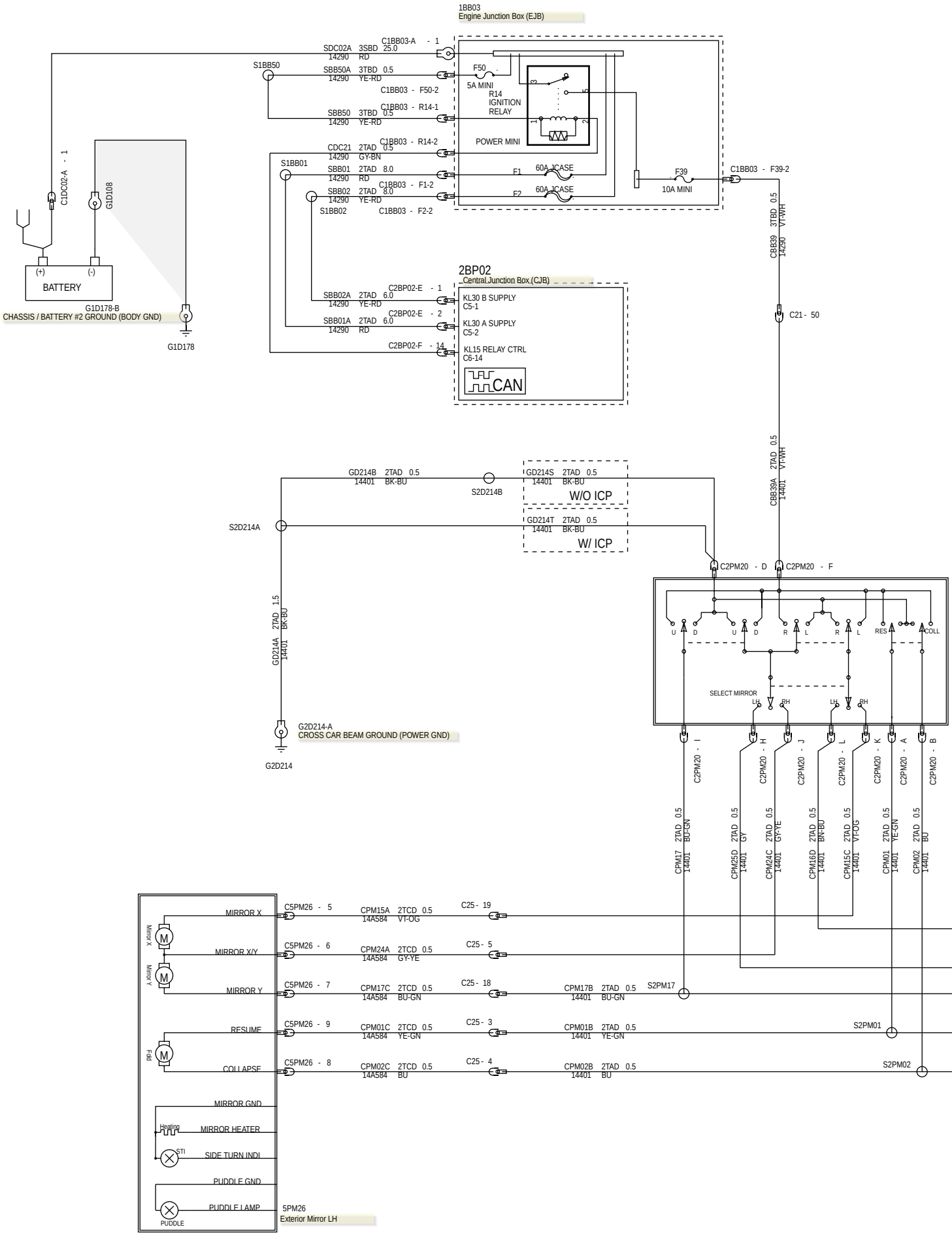

1BB03
Engine Junction Box (EJB)
C1BB03-A - 1
SDC02A 3SBD 25.0
14290 RD
S1BB50
SBB50A 3TBD 0.5
14290 YE-RD
C1BB03 - F50-2
F50
5A MINI
R14
IGNITION
RELAY
C1BB03 - R14-1
SBB50 3TBD 0.5
14290 YE-RD
POWER MINI
C1BB03 - R14-2
CDC21 2TAD 0.5
14290 GY-BN
S1BB01
SBB01 2TAD 8.0
14290 RD
C1BB03 - F1-2
F1
60A JCASE
SBB02 2TAD 8.0
14290 YE-RD
S1BB02
C1BB03 - F2-2
F2
60A JCASE
F39
10A MINI
C1BB03 - F39-2
CBB39 3TBD 0.5
14290 VT-WH
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
2BP02
Central Junction Box (CJB)
C2BP02-E - 1
SBB02A 2TAD 6.0
14290 YE-RD
KL30 B SUPPLY
C5-1
C2BP02-E - 2
SBB01A 2TAD 6.0
14290 RD
KL30 A SUPPLY
C5-2
C2BP02-F - 14
KL15 RELAY CTRL
C6-14
CAN
C21 - 50
CBB39A 2TAD 0.5
14401 VT-WH
GD214B 2TAD 0.5
14401 BK-BU
S2D214B
GD214S 2TAD 0.5
14401 BK-BU
W/O ICP
GD214T 2TAD 0.5
14401 BK-BU
W/ ICP
S2D214A
C2PM20 - D
C2PM20 - F
U
D
U
D
R
L
R
L
RES
COLL
SELECT MIRROR
LH
RH
LH
RH
GD214A 2TAD 1.5
14401 BK-BU
G2D214-A
CROSS CAR BEAM GROUND (POWER GND)
G2D214
C2PM20 - I
C2PM20 - H
C2PM20 - J
C2PM20 - L
C2PM20 - K
C2PM20 - A
C2PM20 - B
CPM17 2TAD 0.5
14401 BU-GN
CPM01 2TAD 0.5
14401 YE-GN
CPM02 2TAD 0.5
14401 BU
MIRROR X
MIRROR X/Y
MIRROR Y
RESUME
COLLAPSE
FOLD
C5PM26 - 5
C5PM26 - 6
C5PM26 - 7
C5PM26 - 9
C5PM26 - 8
CPM15A 2TCD 0.5
14A584 VT-OG
CPM24A 2TCD 0.5
14A584 GY-YE
CPM17C 2TCD 0.5
14A584 BU-GN
CPM01C 2TCD 0.5
14A584 YE-GN
CPM02C 2TCD 0.5
14A584 BU
C25 - 19
C25 - 5
C25 - 18
C25 - 3
C25 - 4
CPM15 2TAD 0.5
14401 VT-OG
CPM24 2TAD 0.5
14401 GY-YE
CPM17B 2TAD 0.5
14401 BU-GN
CPM01B 2TAD 0.5
14401 YE-GN
CPM02B 2TAD 0.5
14401 BU
S2PM17
S2PM01
S2PM02
MIRROR GND
Heating
MIRROR HEATER
STI
SIDE TURN INDI
PUDDLE GND
PUDDLE LAMP
PUDDLE
5PM26
Exterior Mirror LH

2PM20
Exterior Mirror Control Switch



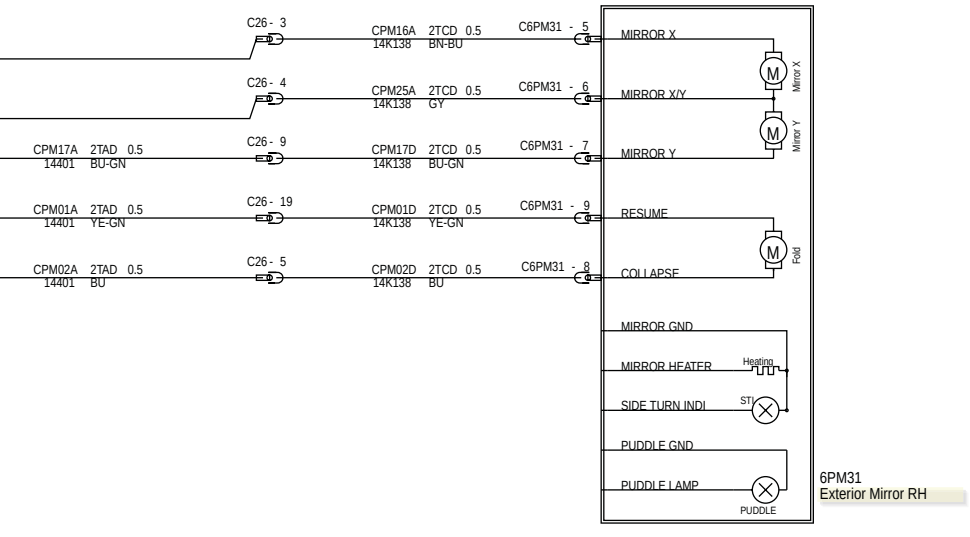
6PM31
Exterior Mirror RH

501-09-6 Power Exterior Mirrors—RHD 4WD/RHD RWD



Scroll down to view the diagram

2PM20
Exterior Mirror Control Switch



6PM31
Exterior Mirror RH

Auto-Dimming Interior Mirror (G1404714)

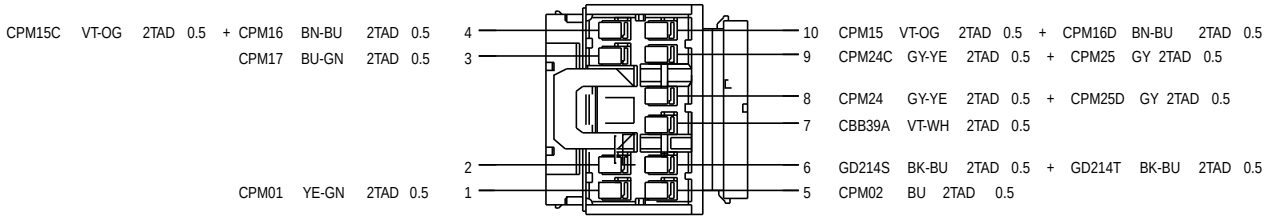


3M5T-14489-ACB

C9PM05
TO ELECTROCHROMATIC MIRROR

HARNESS 14334

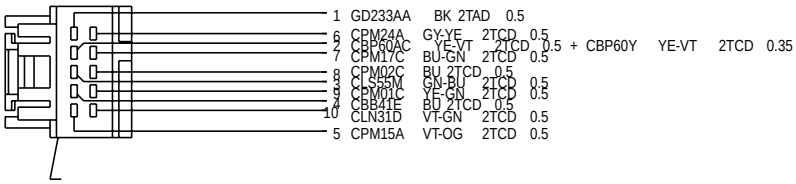
Exterior Mirror Control Switch (G1404729)



C2PM20
MS-AL-10F
TO MIRROR ADJUST SWITCH
HARNESS 14401

Exterior Mirror LH (G1404730)

PIN 5 => CPM15D VT-OG 0.35 2TAD + CPM15B VT-OG 0.35 2TAD
PIN 6 => CPM24D GY-YE 0.35 2TAD + CPM24B GY-YE 0.35 2TAD
PIN 7 => CPM17F BU-GN 0.35 2TAD
PIN 8 => CPM02F BU 0.35 2TAD
PIN 9 => CPM01F YE-GN 0.35 2TAD



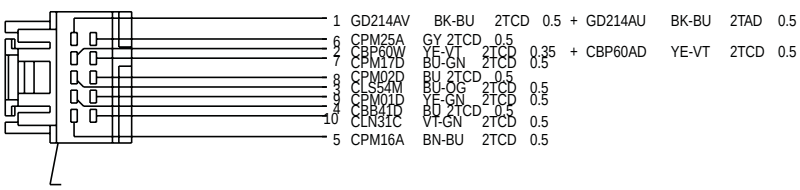
2L1T-14A464-GA

C5PM26
TO DRIVER MIRROR UNIT

HARNESS 14A584

Exterior Mirror RH (G1406842)

PIN 1 => GD214AU BK-BU 0.5 2TAD
PIN 1 => GD214AU BK-BU 0.5 2TAD + GD214AV BK-BU 0.5 2TCD



2L1T-14A464-GA

C6PM31
TO PASSENGER MIRROR UNIT

HARNESS 14K138

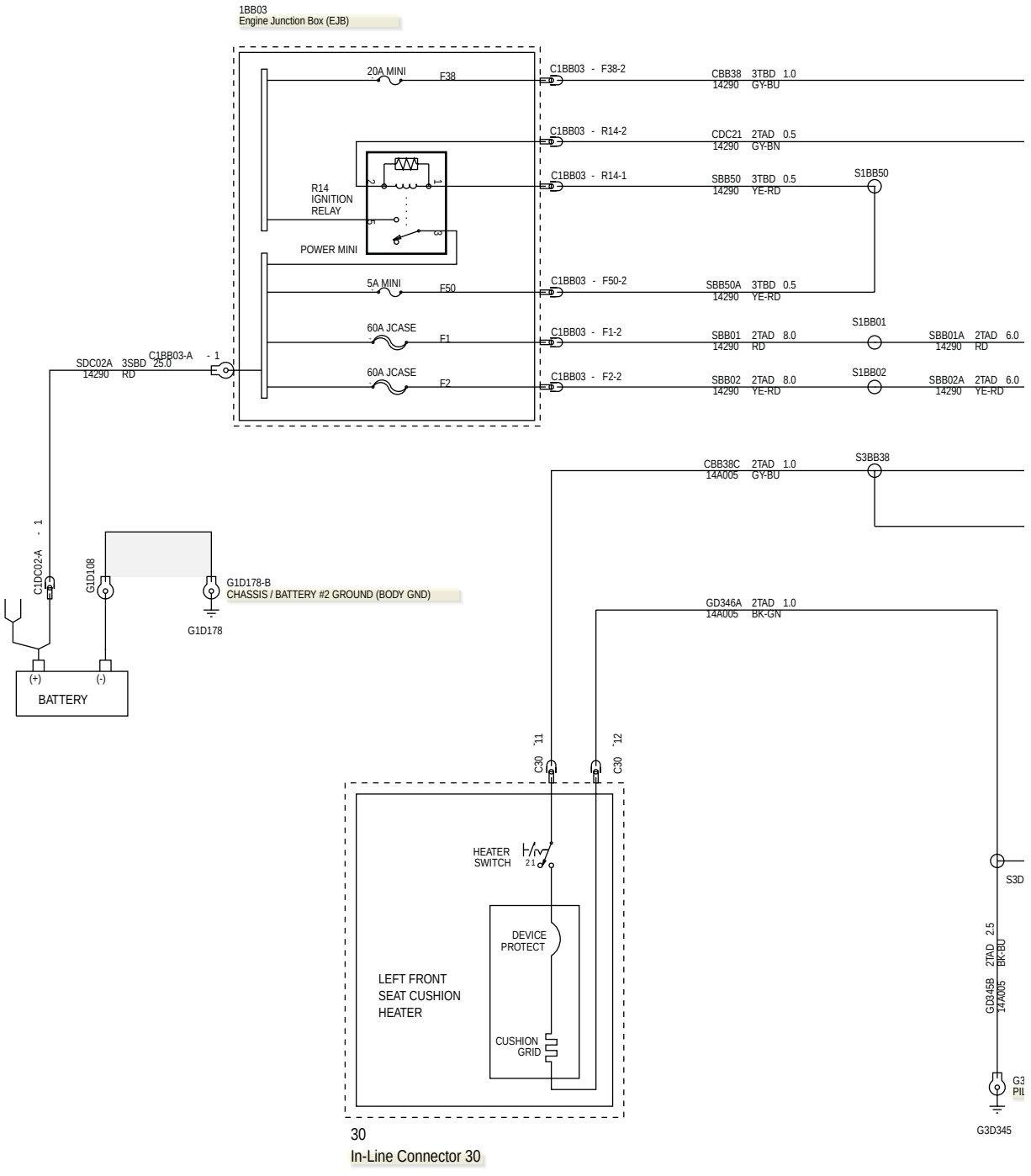
SECTION 501-10 Seating

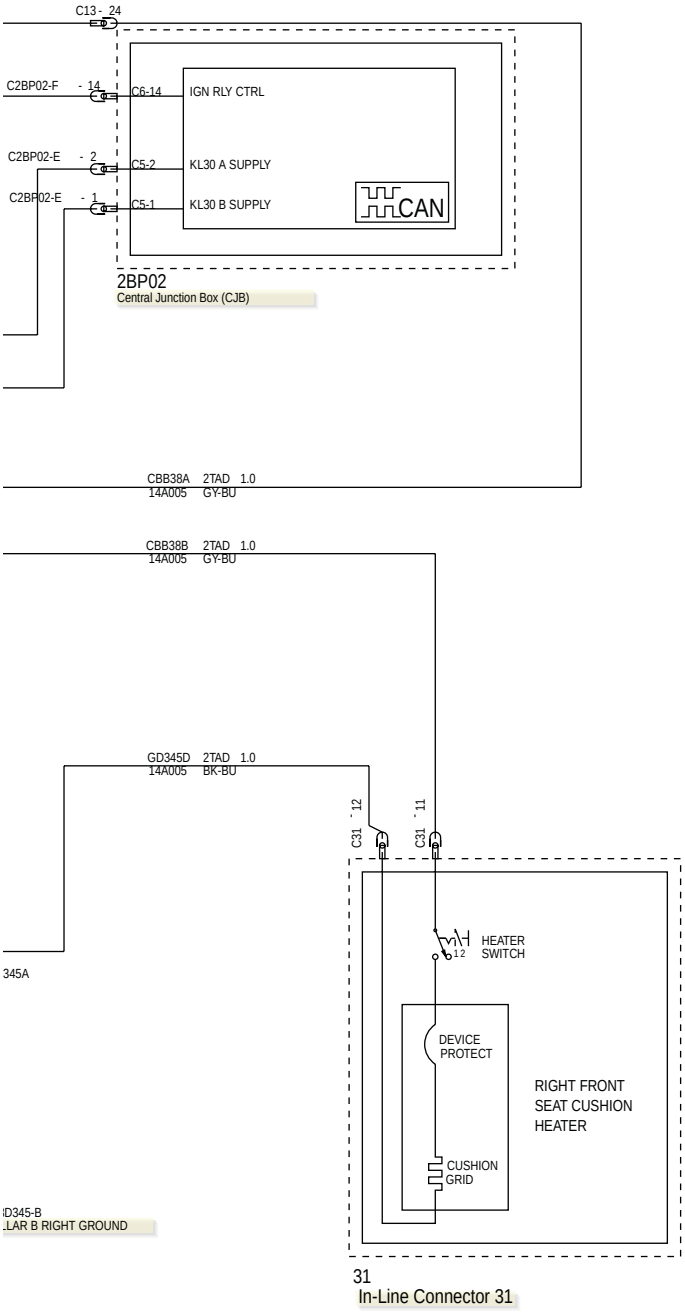
VEHICLE APPLICATION: 2012.0 Ranger

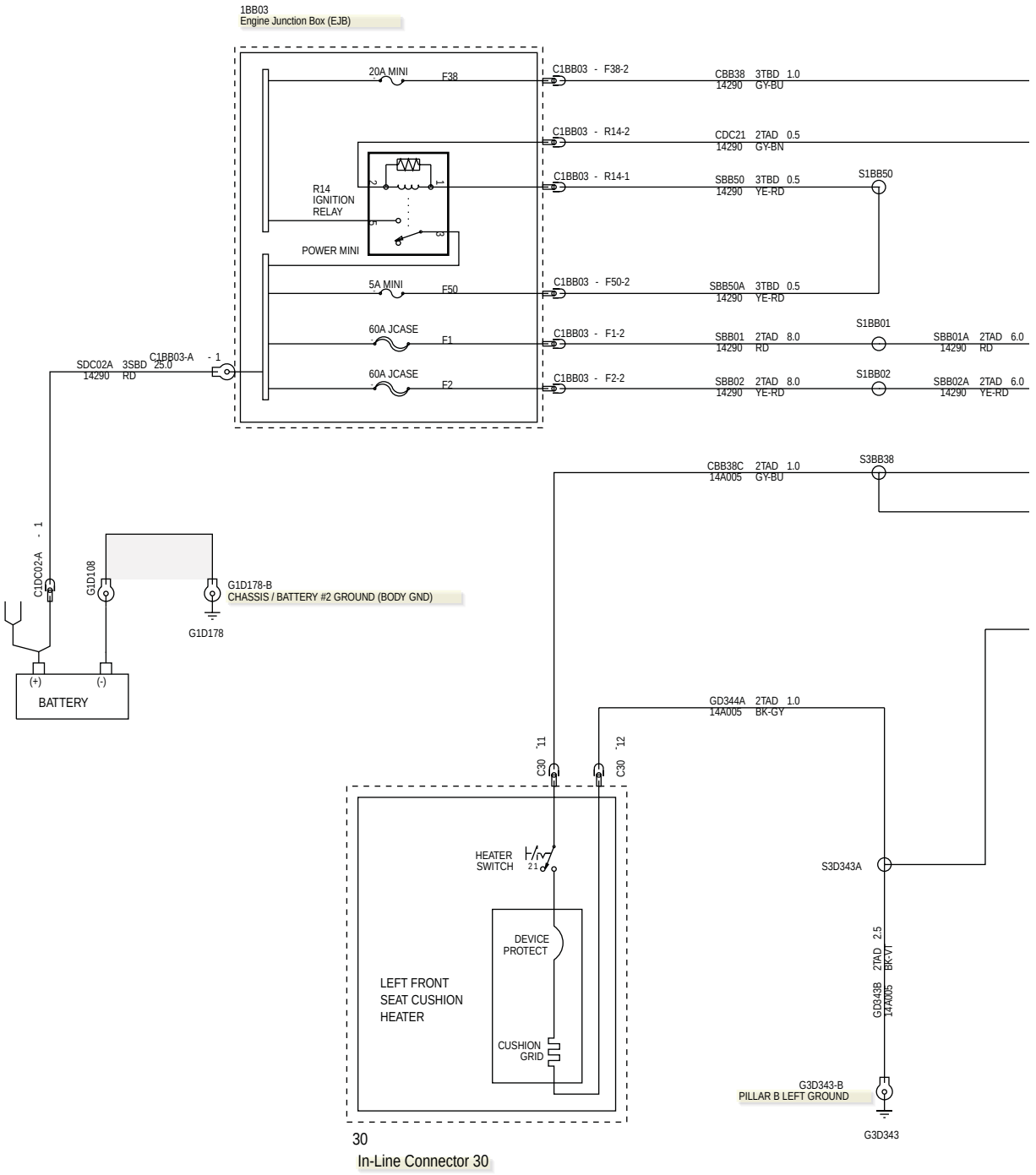
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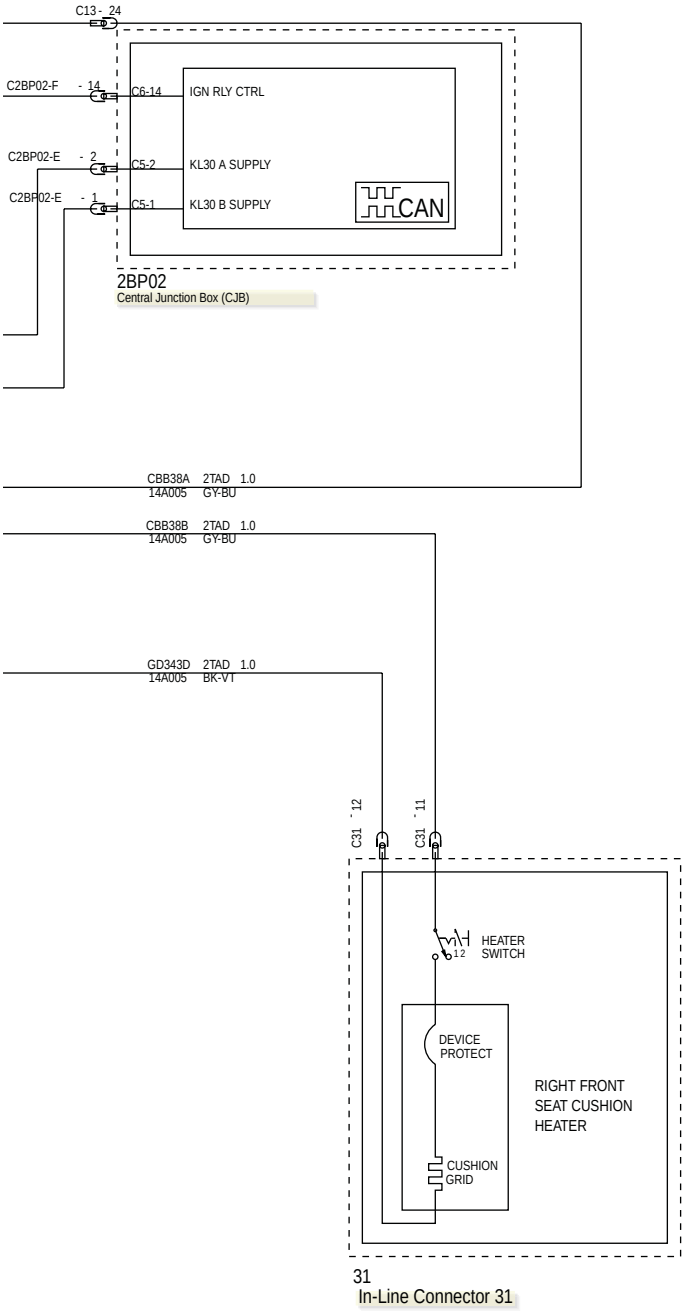
ELECTRICAL SCHEMATICS

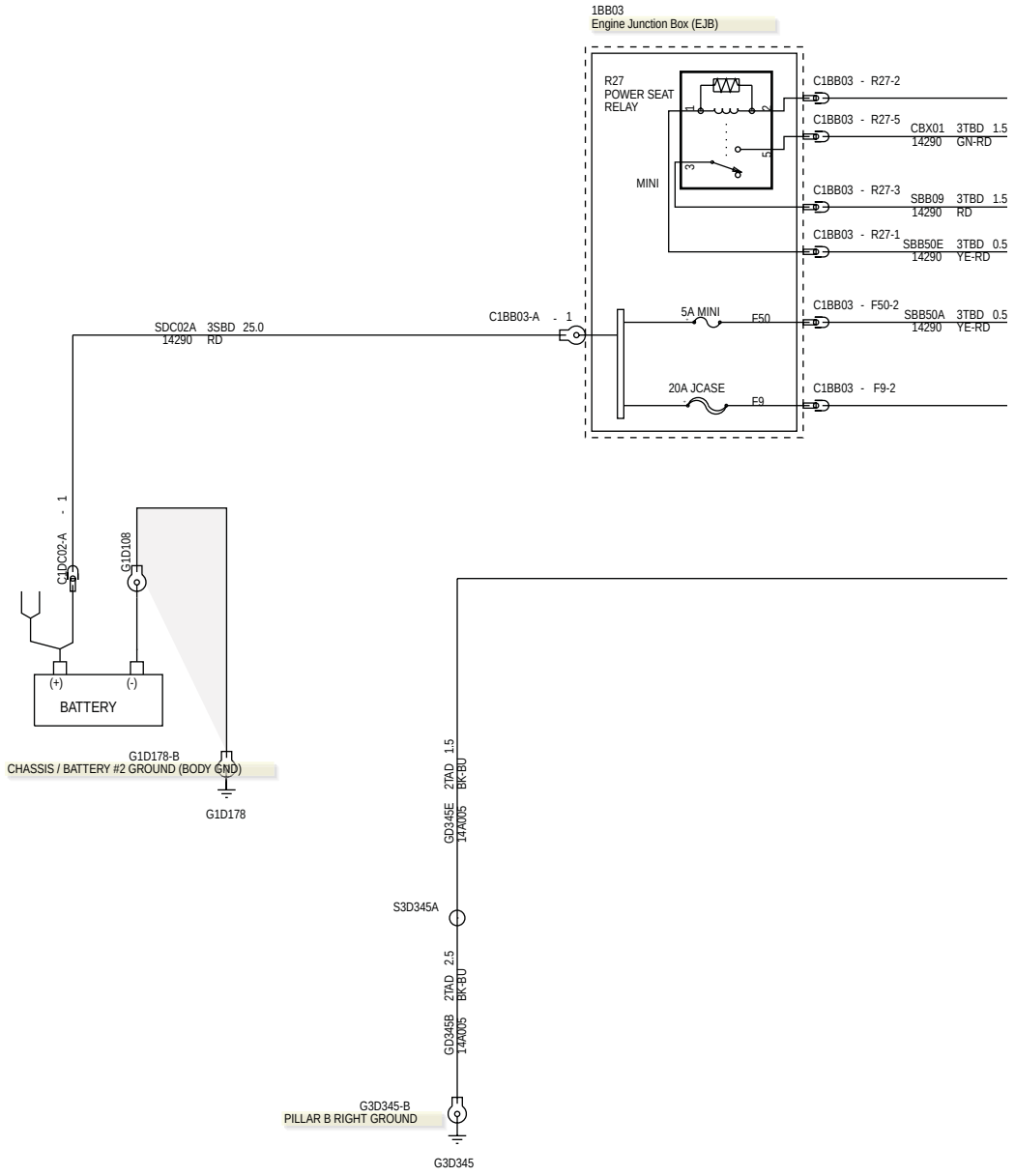
Heated Seats — LHD 4WD/LHD RWD..... 501-10-2
Heated Seats — RHD 4WD/RHD RWD..... 501-10-4
Power Seats — LHD 4WD/LHD RWD..... 501-10-6
Power Seats — RHD 4WD/RHD RWD..... 501-10-8

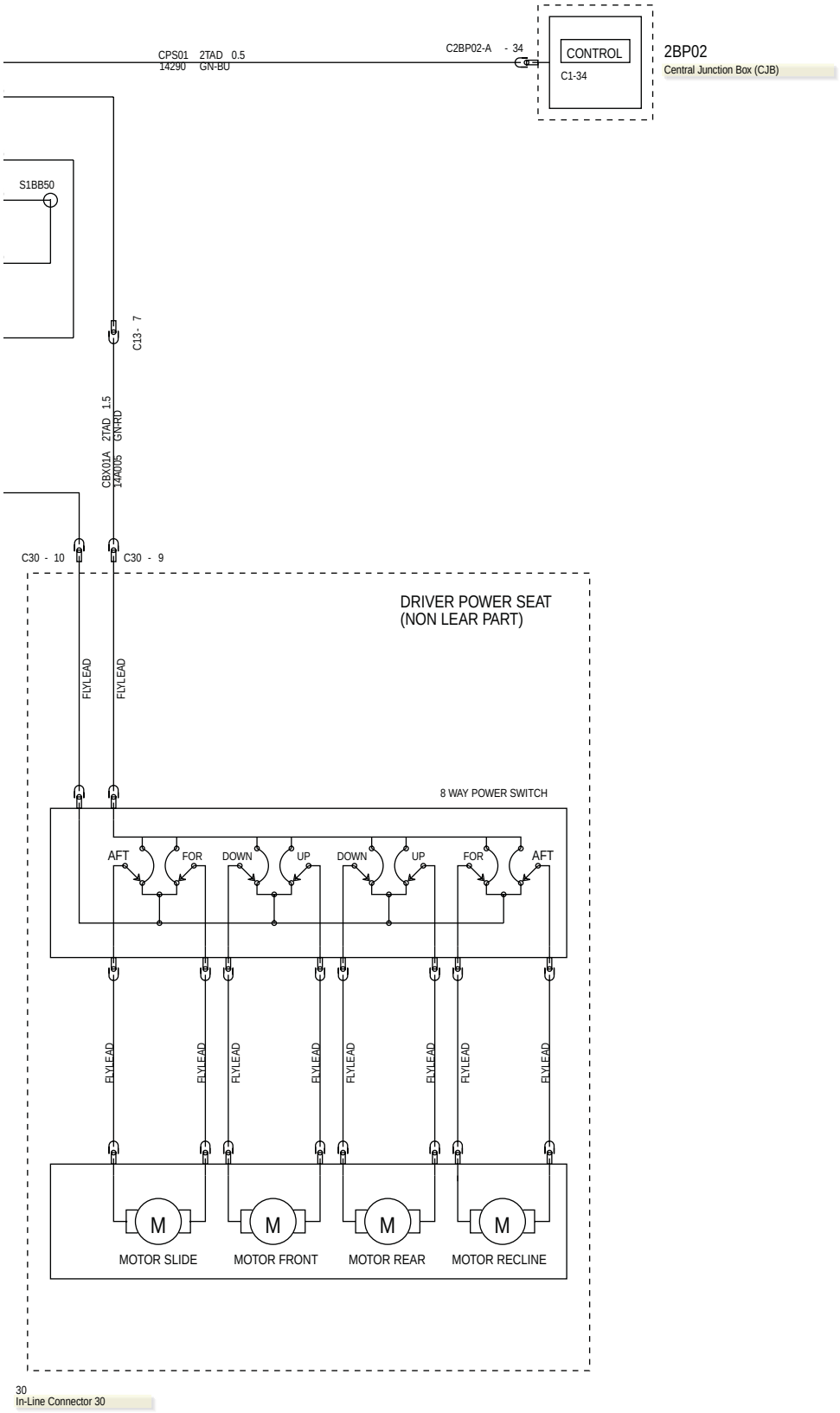

1BB03
Engine Junction Box (EJB)
20A MINI
F38
C1BB03 - F38-2
CBB38 3TBD 1.0
14290 GY-BU
C1BB03 - R14-2
CDC21 2TAD 0.5
14290 GY-BN
C1BB03 - R14-1
SBB50 3TBD 0.5
14290 YE-RD
S1BB50
R14
IGNITION
RELAY
POWER MINI
5A MINI
F50
C1BB03 - F50-2
SBB50A 3TBD 0.5
14290 YE-RD
60A JCASE
F1
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
SBB01A 2TAD 6.0
14290 RD
60A JCASE
F2
C1BB03 - F2-2
SBB02 2TAD 8.0
14290 YE-RD
S1BB02
SBB02A 2TAD 6.0
14290 YE-RD
SDC02A 3SBD 25.0
14290 RD
C1BB03-A - 1
CBB38C 2TAD 1.0
14A005 GY-BU
S3BB38
C1DC02A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
GD346A 2TAD 1.0
14A005 BK-GN
(+)
(-)
BATTERY
C30 11
C30 12
HEATER
SWITCH
DEVICE
PROTECT
LEFT FRONT
SEAT CUSHION
HEATER
CUSHION
GRID
S3D
GD345B 2TAD 2.5
14A005 BK-BU
G3D345
30
In-Line Connector 30

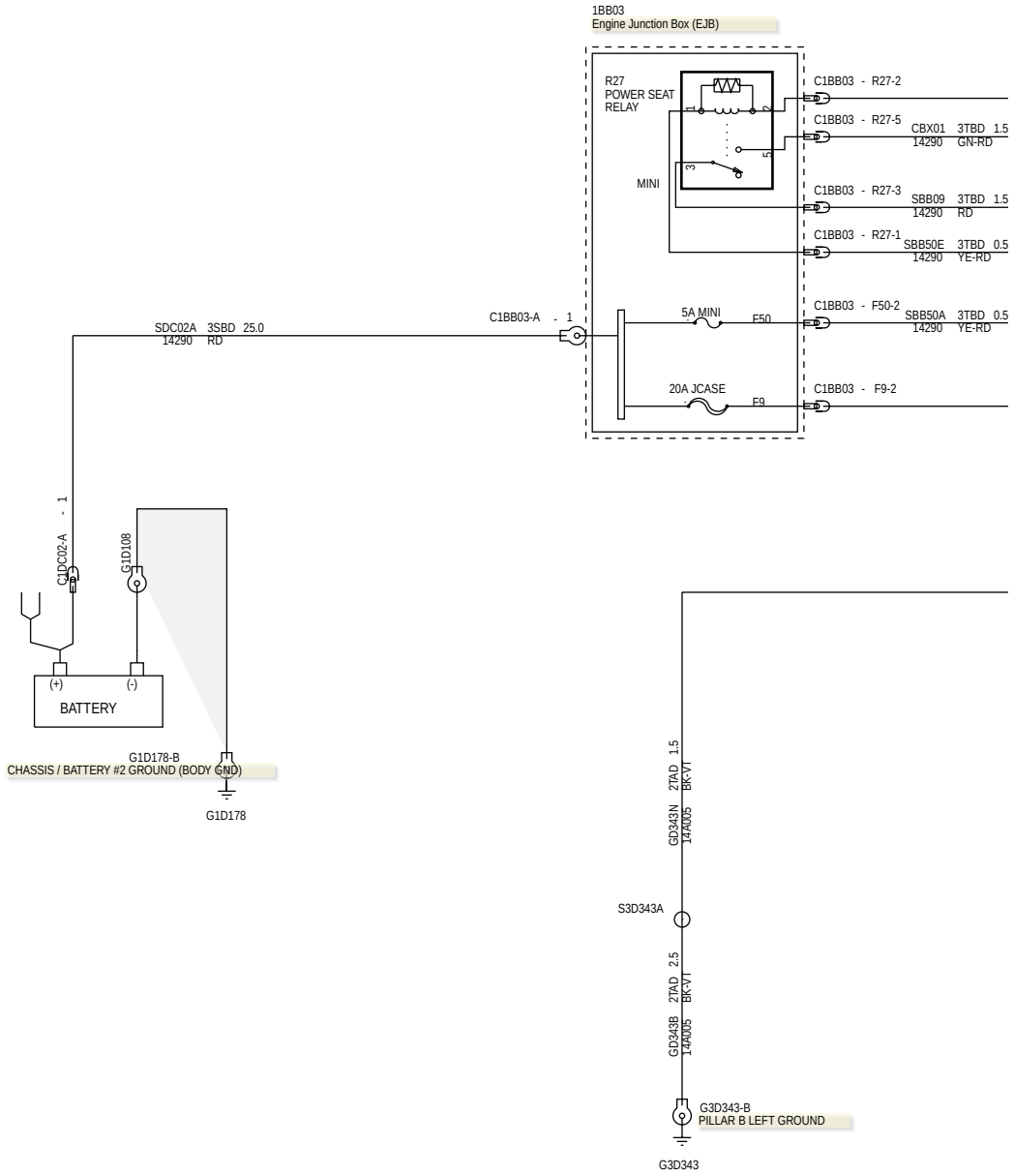

C13 - 24
C2BP02-F - 14
C6-14
IGN RLY CTRL
C2BP02-E - 2
C5-2
KL30 A SUPPLY
C2BP02-E - 1
C5-1
KL30 B SUPPLY
CAN
2BP02
Central Junction Box (CJB)
CBB38A 2TAD 1.0
14A005 GY-BU
CBB38B 2TAD 1.0
14A005 GY-BU
GD345D 2TAD 1.0
14A005 BK-BU
C31 - 12
C31 - 11
HEATER SWITCH
DEVICE PROTECT
RIGHT FRONT SEAT CUSHION HEATER
CUSHION GRID
345A
D345-B
LAR B RIGHT GROUND
31
In-Line Connector 31

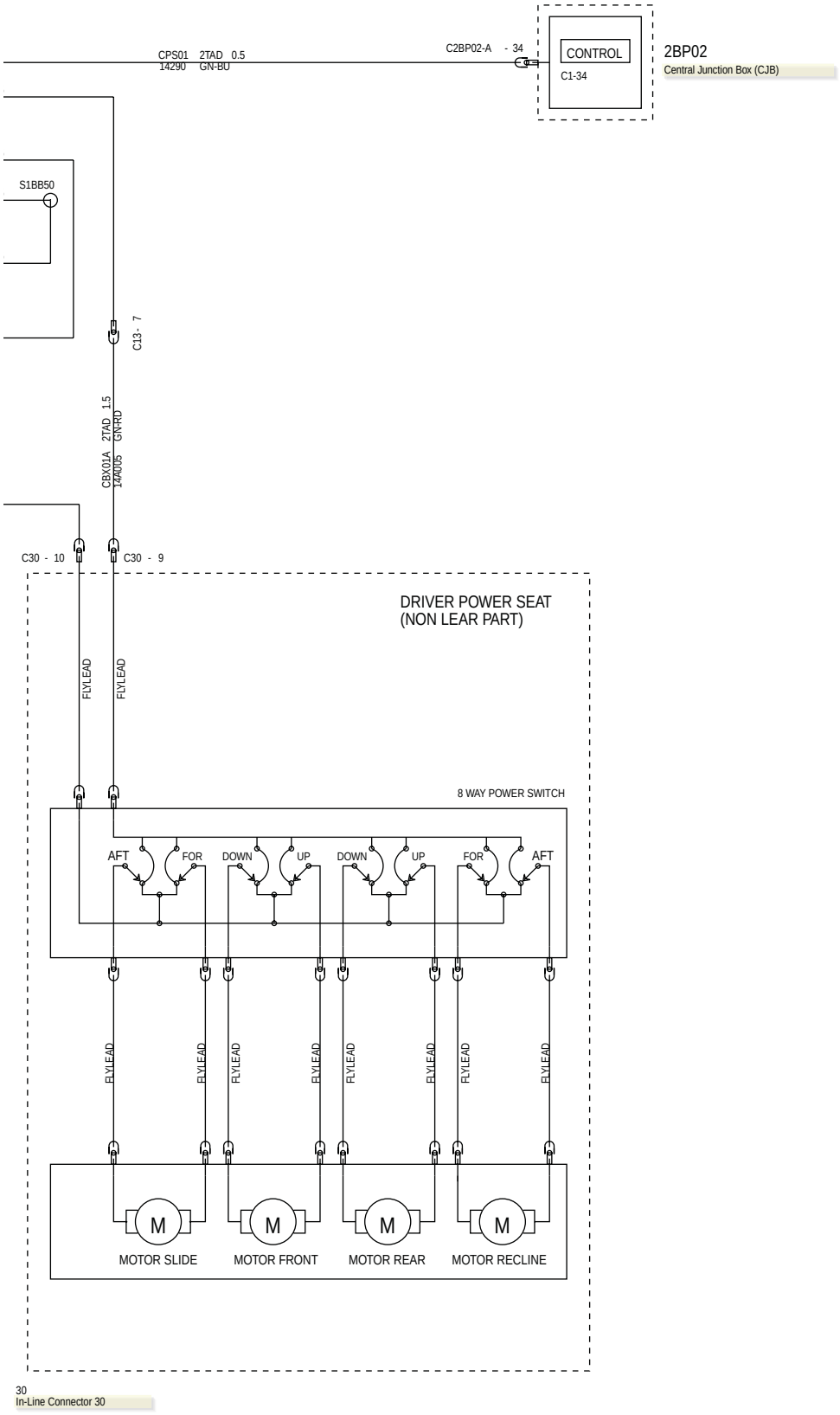

1BB03
Engine Junction Box (EJB)
20A MINI
F38
C1BB03 - F38-2
CBB38 3TBD 1.0
14290 GY-BU
C1BB03 - R14-2
CDC21 2TAD 0.5
14290 GY-BN
C1BB03 - R14-1
SBB50 3TBD 0.5
14290 YE-RD
S1BB50
R14
IGNITION
RELAY
POWER MINI
5A MINI
F50
C1BB03 - F50-2
SBB50A 3TBD 0.5
14290 YE-RD
60A JCASE
F1
C1BB03 - F1-2
SBB01 2TAD 8.0
14290 RD
S1BB01
SBB01A 2TAD 6.0
14290 RD
60A JCASE
F2
C1BB03 - F2-2
SBB02 2TAD 8.0
14290 YE-RD
S1BB02
SBB02A 2TAD 6.0
14290 YE-RD
SDC02A 3SBD 25.0
14290 RD
C1BB03-A - 1
CBB38C 2TAD 1.0
14A005 GY-BU
S3BB38
C1DC02A - 1
G1D108
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
(+)
(-)
BATTERY
GD344A 2TAD 1.0
14A005 BK-GY
C30 11
C30 12
HEATER
SWITCH
S3D343A
DEVICE
PROTECT
LEFT FRONT
SEAT CUSHION
HEATER
CUSHION
GRID
GD343B 2TAD 2.5
14A005 BK-VT
G3D343-B
PILLAR B LEFT GROUND
G3D343
30
In-Line Connector 30


C13 - 24
C2BP02-F - 14
C6-14
IGN RLY CTRL
C2BP02-E - 2
C5-2
KL30 A SUPPLY
C2BP02-E - 1
C5-1
KL30 B SUPPLY
CAN
2BP02
Central Junction Box (CJB)
CBB38A 2TAD 1.0
14A005 GY-BU
CBB38B 2TAD 1.0
14A005 GY-BU
GD343D 2TAD 1.0
14A005 BK-VT
C31 - 12
C31 - 11
HEATER SWITCH
DEVICE PROTECT
RIGHT FRONT SEAT CUSHION HEATER
CUSHION GRID
31
In-Line Connector 31


1BB03
Engine Junction Box (EJB)
R27
POWER SEAT
RELAY
MINI
C1BB03 - R27-2
C1BB03 - R27-5
CBX01 3TBD 1.5
14290 GN-RD
C1BB03 - R27-3
SBB09 3TBD 1.5
14290 RD
C1BB03 - R27-1
SBB50E 3TBD 0.5
14290 YE-RD
C1BB03 - F50-2
SBB50A 3TBD 0.5
14290 YE-RD
C1BB03 - F9-2
5A MINI
F50
20A JCASE
F9
C1BB03-A - 1
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
GD345E 2TAD 1.5
14A005 BK-BU
S3D345A
GD345B 2TAD 2.5
14A005 BK-BU
G3D345-B
PILLAR B RIGHT GROUND
G3D345


CPS01 2TAD 0.5
14290 GN-BU
C2BP02-A - 34
CONTROL
C1-34
2BP02
Central Junction Box (CJB)
S1BB50
C13 - 7
CBX01A 2TAD 1.5
14A005 GN-RD
C30 - 10
C30 - 9
DRIVER POWER SEAT
(NON LEAR PART)
FLYLEAD
FLYLEAD
8 WAY POWER SWITCH
AFT
FOR
DOWN
UP
DOWN
UP
FOR
AFT
FLYLEAD
FLYLEAD
FLYLEAD
FLYLEAD
FLYLEAD
FLYLEAD
FLYLEAD
FLYLEAD
M
M
M
M
MOTOR SLIDE
MOTOR FRONT
MOTOR REAR
MOTOR RECLINE
30
In-Line Connector 30


1BB03
Engine Junction Box (EJB)
R27
POWER SEAT
RELAY
MINI
C1BB03 - R27-2
C1BB03 - R27-5
CBX01 3TBD 1.5
14290 GN-RD
C1BB03 - R27-3
SBB09 3TBD 1.5
14290 RD
C1BB03 - R27-1
SBB50E 3TBD 0.5
14290 YE-RD
C1BB03 - F50-2
SBB50A 3TBD 0.5
14290 YE-RD
C1BB03 - F9-2
5A MINI
F50
20A JCASE
F9
C1BB03-A - 1
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
(+)
(-)
BATTERY
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G1D178
GD343N 2TAD 1.5
14A005 BK-VI
S3D343A
GD343B 2TAD 2.5
14A005 BK-VI
G3D343-B
PILLAR B LEFT GROUND
G3D343


CPS01 2TAD 0.5
14290 GN-BU
C2BP02-A - 34
CONTROL
C1-34
2BP02
Central Junction Box (CJB)
S1BB50
C13 - 7
CBX01A 2TAD 1.5
14A005 GN-RD
C30 - 10
C30 - 9
DRIVER POWER SEAT
(NON LEAR PART)
FLYLEAD
FLYLEAD
8 WAY POWER SWITCH
AFT
FOR
DOWN
UP
DOWN
UP
FOR
AFT
FLYLEAD
FLYLEAD
FLYLEAD
FLYLEAD
FLYLEAD
FLYLEAD
FLYLEAD
FLYLEAD
M
M
M
M
MOTOR SLIDE
MOTOR FRONT
MOTOR REAR
MOTOR RECLINE
30
In-Line Connector 30

SECTION 501-11 Glass, Frames and Mechanisms

VEHICLE APPLICATION: 2012.0 Ranger

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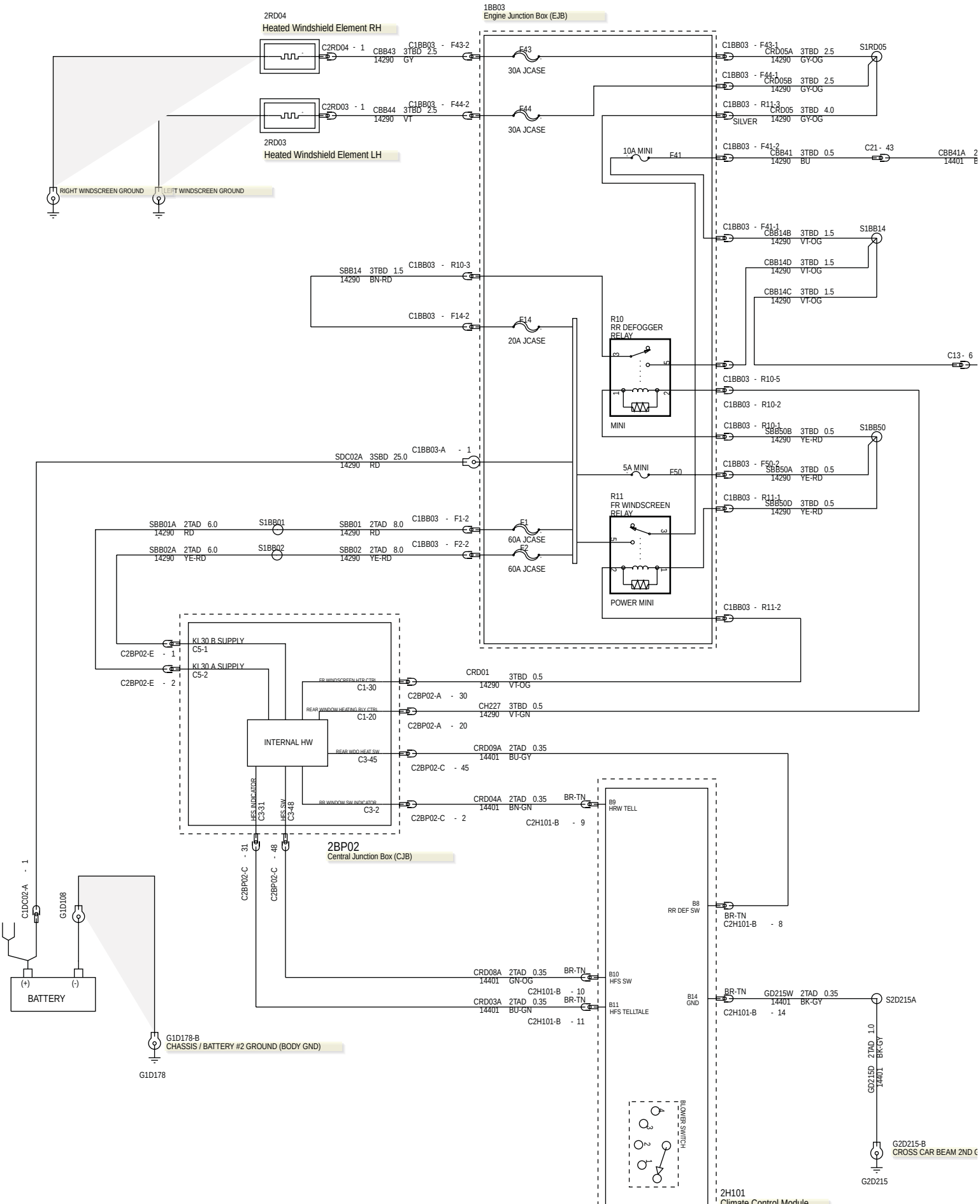
ELECTRICAL SCHEMATICS

Heated Windshield and Rear Window — LHD 4WD/LHD RWD..... 501-11-2
Heated Windshield and Rear Window — RHD 4WD/RHD RWD..... 501-11-4
Power Windows — LHD 4WD/LHD RWD, Vehicles With: Door Module..... 501-11-6
Power Windows — RHD 4WD/RHD RWD, Vehicles With: Door Module..... 501-11-8
Power Windows — LHD 4WD/LHD RWD, Vehicles Without: Door Module..... 501-11-10
Power Windows — RHD 4WD/RHD RWD, Vehicles Without: Door Module..... 501-11-12

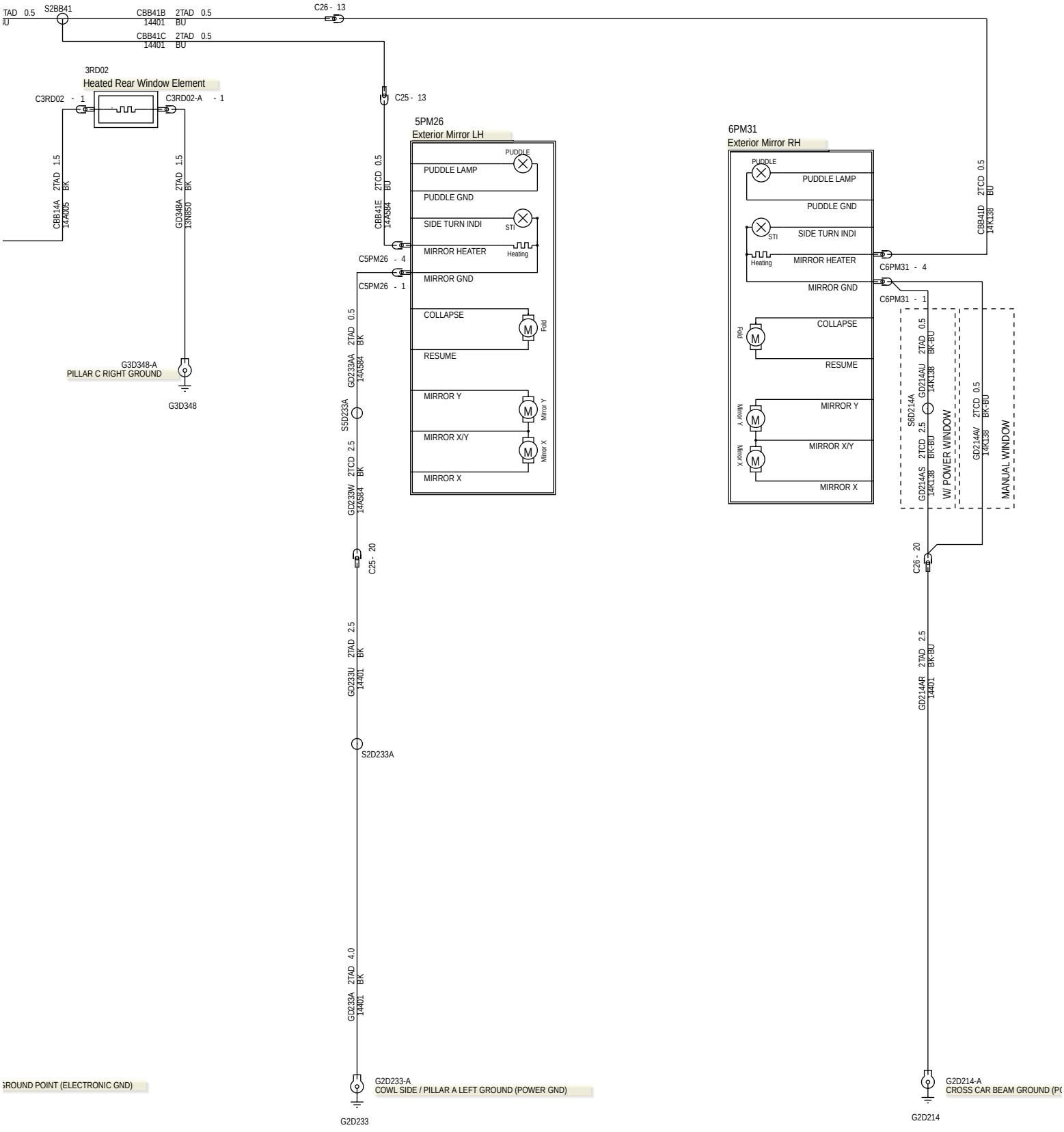
ELECTRICAL CONNECTORS

Driver Door Window Control Switch..... 501-11-14
Driver Door Window Control Switch — A..... 501-11-14
Driver Door Window Control Switch — B..... 501-11-14
Driver Door Window Regulator Motor..... 501-11-14
Driver Door Window Regulator Motor — A..... 501-11-15
Heated Rear Window Element..... 501-11-15
Heated Rear Window Element — A..... 501-11-15
Heated Windshield Element LH..... 501-11-15
Heated Windshield Element RH..... 501-11-15
Passenger Door Window Control Switch..... 501-11-15
Passenger Door Window Control Switch — A..... 501-11-16
Passenger Door Window Regulator Motor..... 501-11-16
Passenger Door Window Regulator Motor — A..... 501-11-16
Rear Door Window Control Switch LH..... 501-11-16
Rear Door Window Control Switch LH — A..... 501-11-16
Rear Door Window Control Switch RH..... 501-11-17
Rear Door Window Control Switch RH — A..... 501-11-17
Rear Door Window Regulator Motor LH..... 501-11-17
Rear Door Window Regulator Motor LH — A..... 501-11-17
Rear Door Window Regulator Motor RH..... 501-11-17
Rear Door Window Regulator Motor RH — A..... 501-11-18

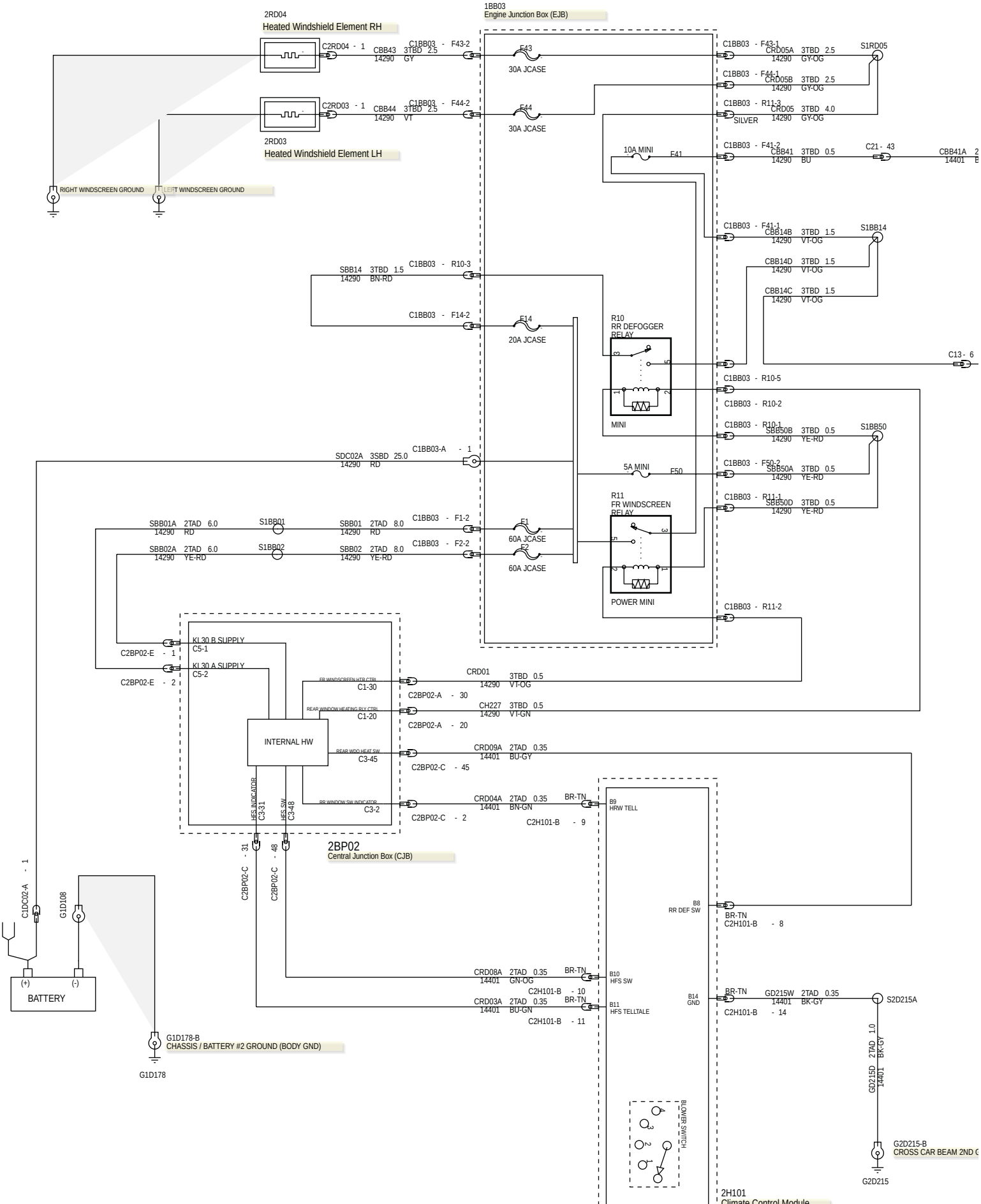
501-11-2 Heated Windshield and Rear Window—LHD 4WD/LHD RWD

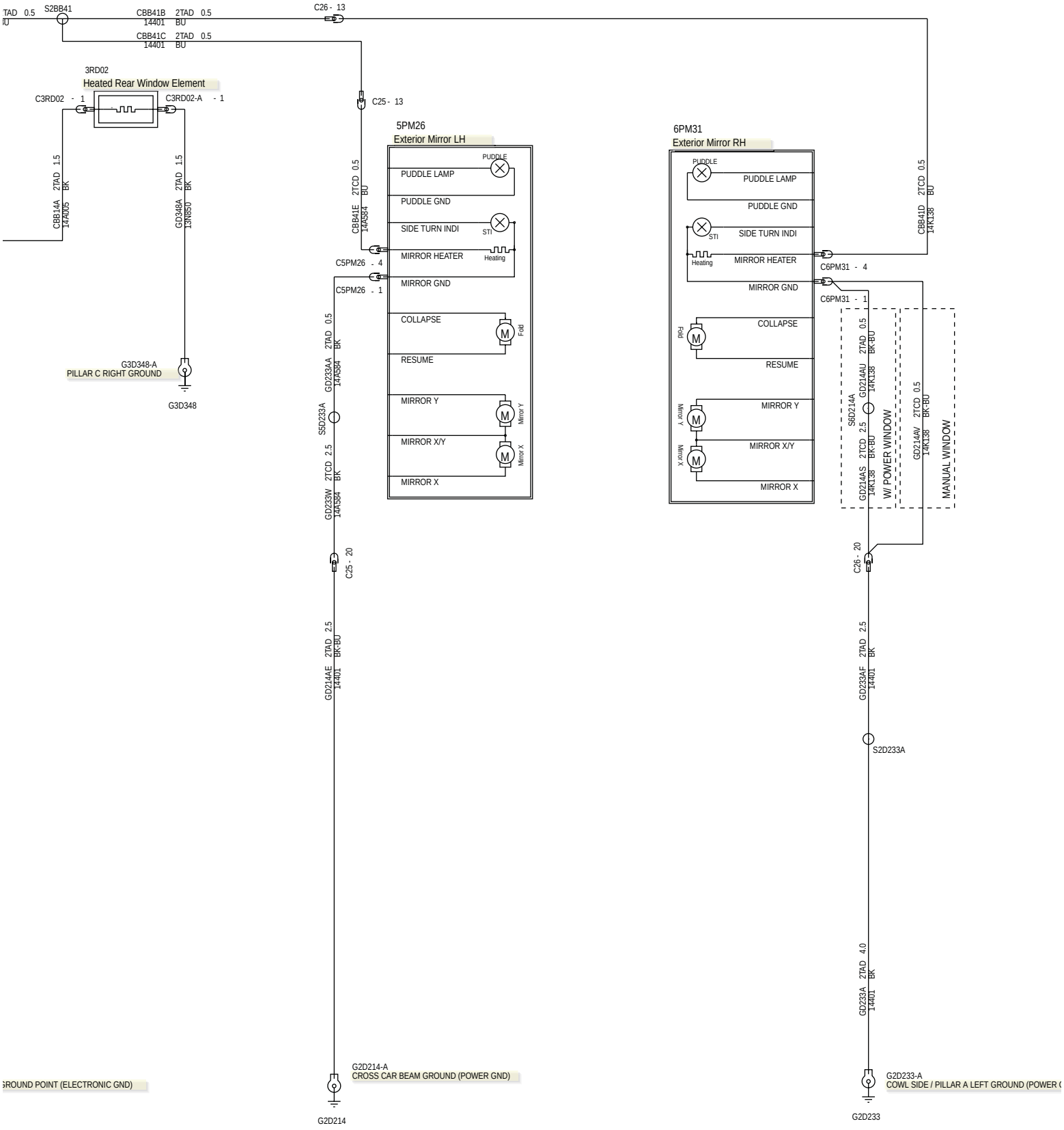


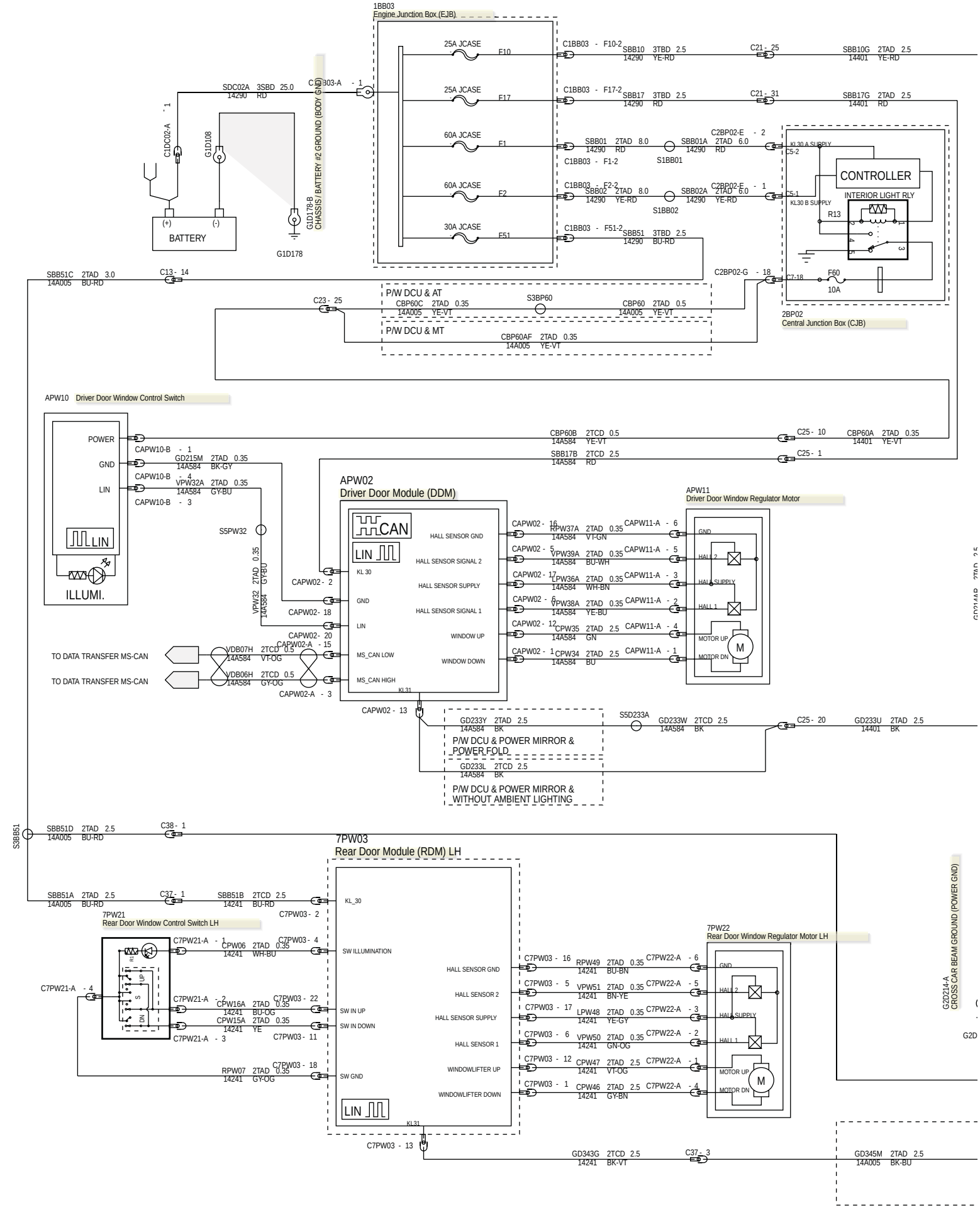
501-11-3 Heated Windshield and Rear Window—LHD 4WD/LHD RWD

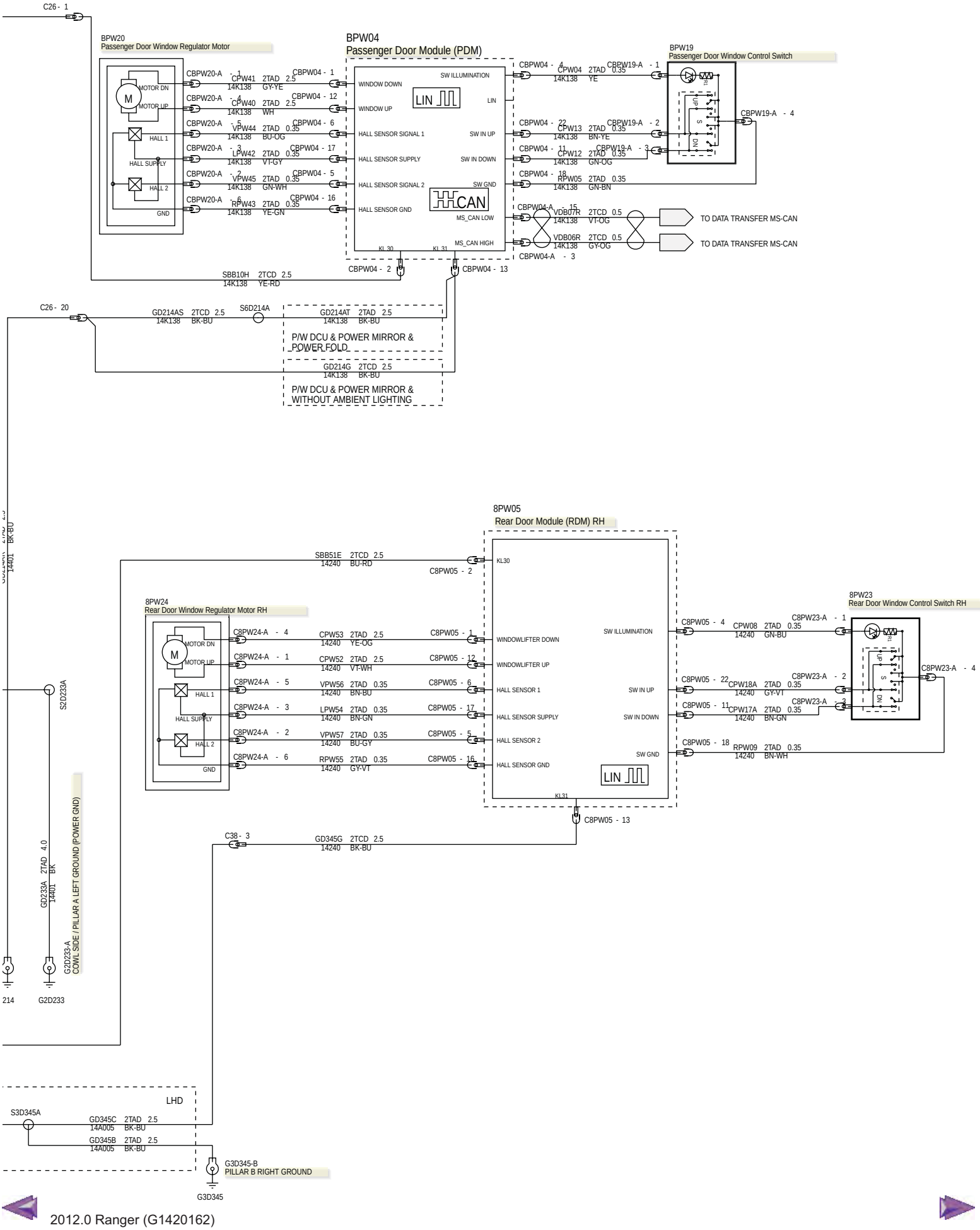


501-11-4 Heated Windshield and Rear Window—RHD 4WD/RHD RWD

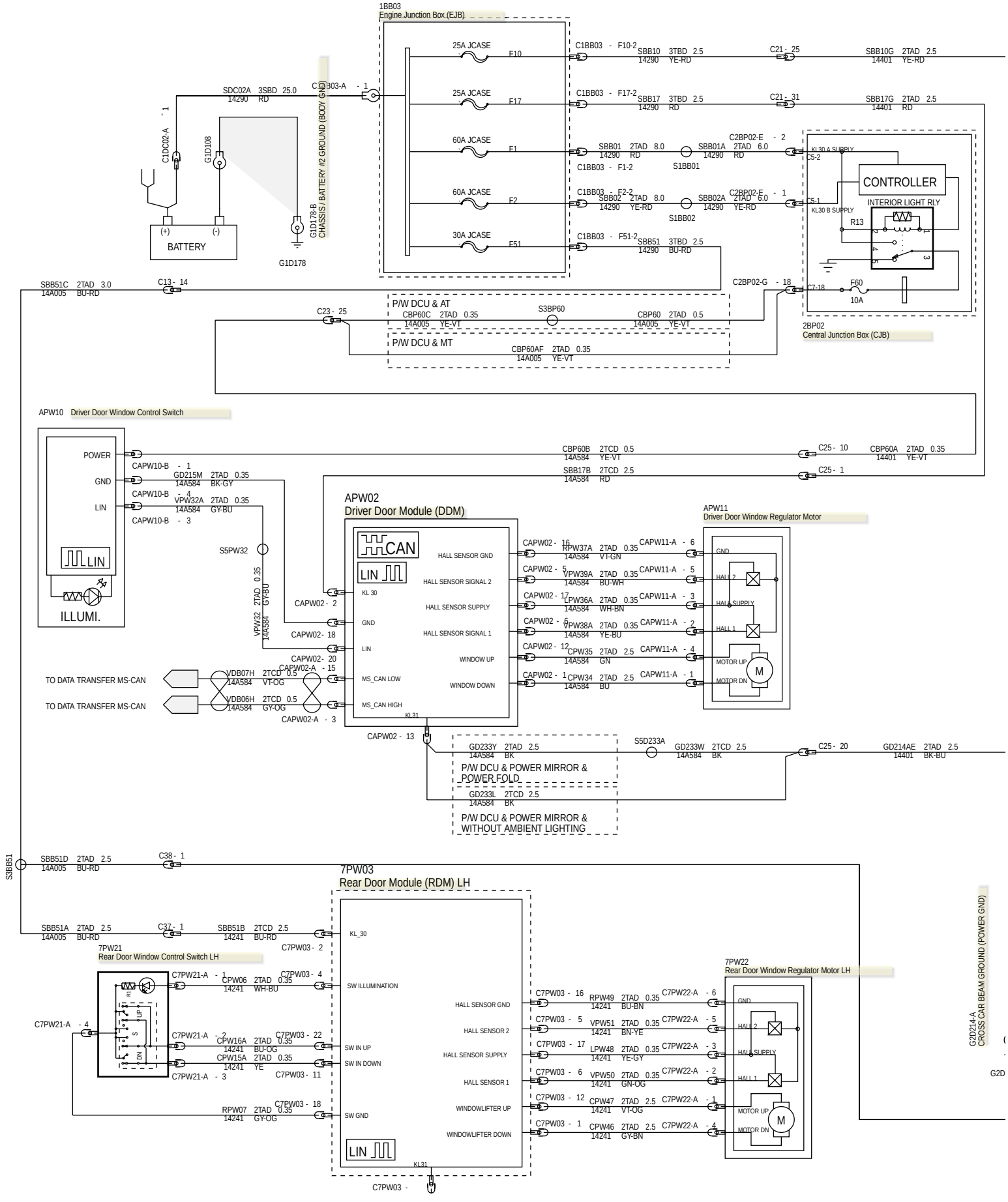


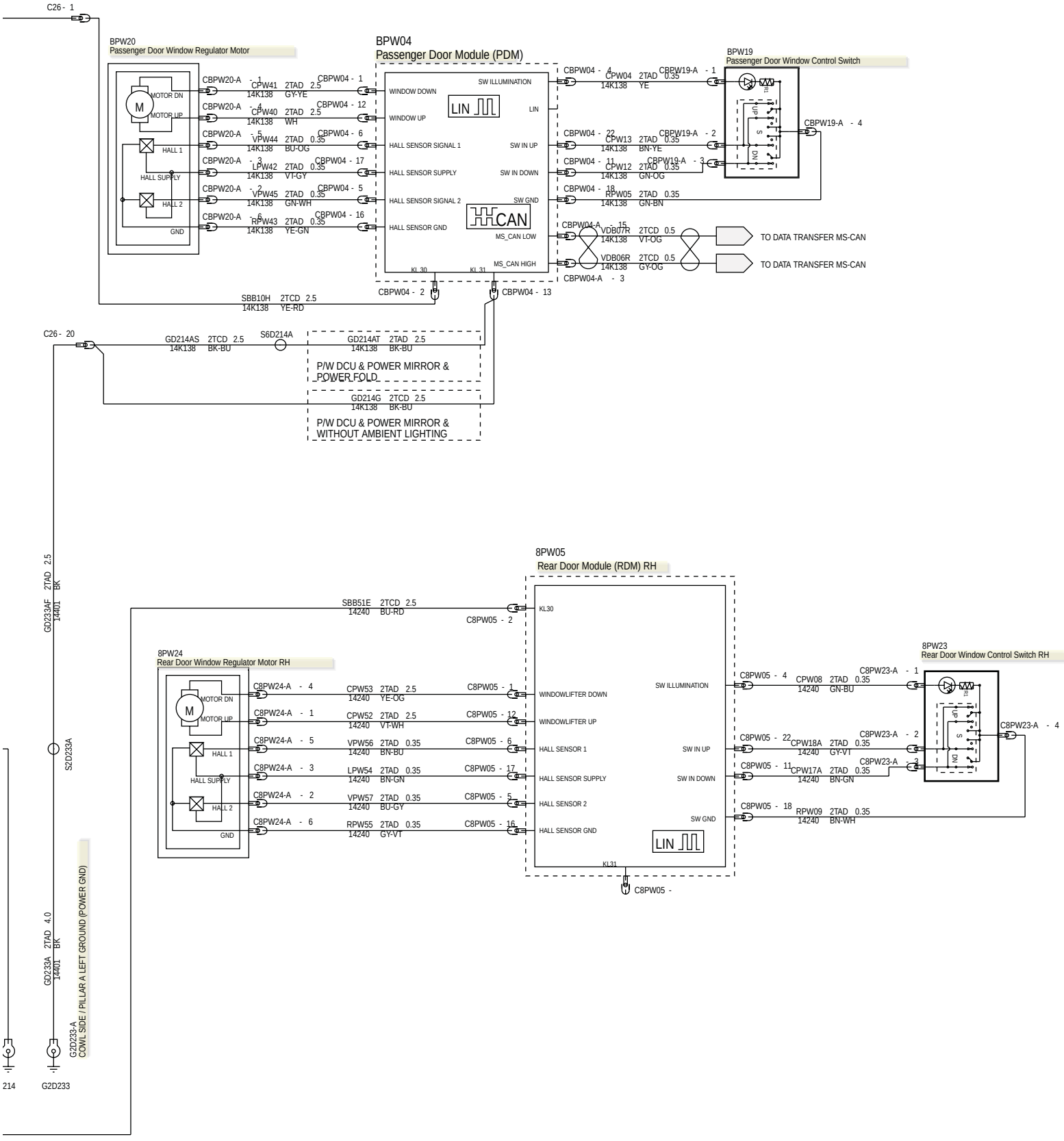

S2BB41
CBB41B 2TAD 0.5 14401 BU
CBB41C 2TAD 0.5 14401 BU
C26 - 13
3RD02
Heated Rear Window Element
C3RD02 - 1
C3RD02-A - 1
CBB14A 2TAD 1.5 BK 14A005
GD348A 2TAD 1.5 BK 13N850
G3D348-A
PILLAR C RIGHT GROUND
G3D348
C25 - 13
5PM26
Exterior Mirror LH
PUDDLE
PUDDLE LAMP
PUDDLE GND
SIDE TURN INDI
STI
MIRROR HEATER
Heating
MIRROR GND
COLLAPSE
Fold
RESUME
MIRROR Y
Mirror Y
MIRROR X/Y
Mirror X
MIRROR X
CBB41E 2TCD 0.5 BU 14A584
C5PM26 - 4
C5PM26 - 1
GD233AA 2TAD 0.5 BK 14A584
S5D233A
GD233W 2TCD 2.5 BK 14A584
C25 - 20
GD214AE 2TAD 2.5 BK-BU 14401
G2D214-A
CROSS CAR BEAM GROUND (POWER GND)
G2D214
6PM31
Exterior Mirror RH
CBB41D 2TCD 0.5 BU 14K138
C6PM31 - 4
C6PM31 - 1
S6D214A
GD214AU 2TAD 0.5 BK-BU 14K138
GD214AV 2TCD 0.5 BK-BU 14K138
GD214AS 2TCD 2.5 BK-BU 14K138
W/ POWER WINDOW
MANUAL WINDOW
C26 - 20
GD233AF 2TAD 2.5 BK 14401
S2D233A
GD233A 2TAD 4.0 BK 14401
G2D233-A
COWL SIDE / PILLAR A LEFT GROUND (POWER
G2D233


1BB03
Engine Junction Box (EJB)
25A JCASE F10
25A JCASE F17
60A JCASE F1
60A JCASE F2
30A JCASE F51
C1BB03 - F10-2
C1BB03 - F17-2
C1BB03 - F1-2
C1BB03 - F2-2
C1BB03 - F51-2
SBB10 3TBD 2.5 14290 YE-RD
SBB17 3TBD 2.5 14290 RD
SBB01 2TAD 8.0 14290 RD
SBB02 2TAD 8.0 14290 YE-RD
SBB51 3TBD 2.5 14290 BU-RD
S1BB01
S1BB02
C21 - 25
C21 - 31
SBB10G 2TAD 2.5 14401 YE-RD
SBB17G 2TAD 2.5 14401 RD
C2BP02-E - 2
C2BP02-E - 1
SBB01A 2TAD 6.0 14290 RD
SBB02A 2TAD 6.0 14290 YE-RD
KL30 A SUPPLY
KL30 B SUPPLY
C5-2
C5-1
CONTROLLER
INTERIOR LIGHT RLY
R13
F60
10A
C7-18
2BP02
Central Junction Box (CJB)
SDC02A 3SBD 25.0 14290 RD
C1DC02A - 1
G1D108
(+)
(-)
BATTERY
G1D178
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
C1DC03-A - 1
SBB51C 2TAD 3.0 14A005 BU-RD
C13 - 14
C23 - 25
P/W DCU & AT
CBP60C 2TAD 0.35 14A005 YE-VT
S3BP60
CBP60 2TAD 0.5 14A005 YE-VT
P/W DCU & MT
CBP60AF 2TAD 0.35 14A005 YE-VT
C2BP02-G - 18
APW10 Driver Door Window Control Switch
POWER
GND
LIN
ILLUMI.
CAPW10-B - 1
CAPW10-B - 4
CAPW10-B - 3
GD215M 2TAD 0.35 14A584 BK-GY
VPW32A 2TAD 0.35 14A584 GY-BU
S5PW32
VPW32 2TAD 0.35 14A584 GY-BU
CBP60B 2TCD 0.5 14A584 YE-VT
SBB17B 2TCD 2.5 14A584 RD
C25 - 10
C25 - 1
CBP60A 2TAD 0.35 14401 YE-VT
APW02
Driver Door Module (DDM)
CAN
LIN
KL 30
GND
LIN
MS_CAN LOW
MS_CAN HIGH
KL31
HALL SENSOR GND
HALL SENSOR SIGNAL 2
HALL SENSOR SUPPLY
HALL SENSOR SIGNAL 1
WINDOW UP
WINDOW DOWN
CAPW02 - 2
CAPW02 - 18
CAPW02 - 20
CAPW02-A - 15
CAPW02-A - 3
CAPW02 - 13
TO DATA TRANSFER MS-CAN
TO DATA TRANSFER MS-CAN
VDB07H 2TCD 0.5 14A584 VT-OG
VDB06H 2TCD 0.5 14A584 GY-OG
APW11
Driver Door Window Regulator Motor
GND
HALL 2
HALL SUPPLY
HALL 1
MOTOR UP
MOTOR DN
M
CAPW02 - 16 RPW37A 2TAD 0.35 14A584 VT-GN CAPW11-A - 6
CAPW02 - 5 VPW39A 2TAD 0.35 14A584 BU-WH CAPW11-A - 5
CAPW02 - 17 LPW36A 2TAD 0.35 14A584 WH-BN CAPW11-A - 3
CAPW02 - 6 VPW38A 2TAD 0.35 14A584 YE-BU CAPW11-A - 2
CAPW02 - 12 CPW35 2TAD 2.5 14A584 GN CAPW11-A - 4
CAPW02 - 1 CPW34 2TAD 2.5 14A584 BU CAPW11-A - 1
GD233Y 2TAD 2.5 14A584 BK
P/W DCU & POWER MIRROR & POWER FOLD
GD233L 2TCD 2.5 14A584 BK
P/W DCU & POWER MIRROR & WITHOUT AMBIENT LIGHTING
S5D233A
GD233W 2TCD 2.5 14A584 BK
C25 - 20
GD233U 2TAD 2.5 14401 BK
S3BB51
SBB51D 2TAD 2.5 14A005 BU-RD
C38 - 1
7PW03
Rear Door Module (RDM) LH
KL_30
SW ILLUMINATION
SW IN UP
SW IN DOWN
SW GND
KL31
HALL SENSOR GND
HALL SENSOR 2
HALL SENSOR SUPPLY
HALL SENSOR 1
WINDOWLIFTER UP
WINDOWLIFTER DOWN
SBB51A 2TAD 2.5 14A005 BU-RD
C37 - 1
SBB51B 2TCD 2.5 14241 BU-RD
C7PW03 - 2
7PW21
Rear Door Window Control Switch LH
C7PW21-A - 1
C7PW03 - 4
CPW06 2TAD 0.35 14241 WH-BU
C7PW21-A - 4
C7PW21-A - 2
C7PW03 - 22
CPW16A 2TAD 0.35 14241 BU-OG
CPW15A 2TAD 0.35 14241 YE
C7PW21-A - 3
C7PW03 - 11
RPW07 2TAD 0.35 14241 GY-OG
C7PW03 - 18
7PW22
Rear Door Window Regulator Motor LH
C7PW03 - 16 RPW49 2TAD 0.35 14241 BU-BN C7PW22-A - 6
C7PW03 - 5 VPW51 2TAD 0.35 14241 BN-YE C7PW22-A - 5
C7PW03 - 17 LPW48 2TAD 0.35 14241 YE-GY C7PW22-A - 3
C7PW03 - 6 VPW50 2TAD 0.35 14241 GN-OG C7PW22-A - 2
C7PW03 - 12 CPW47 2TAD 2.5 14241 VT-OG C7PW22-A - 1
C7PW03 - 1 CPW46 2TAD 2.5 14241 GY-BN C7PW22-A - 4
C7PW03 - 13
GD343G 2TCD 2.5 14241 BK-VT
C37 - 3
GD345M 2TAD 2.5 14A005 BK-BU
G2D214-A
CROSS CAR BEAM GROUND (POWER GND)

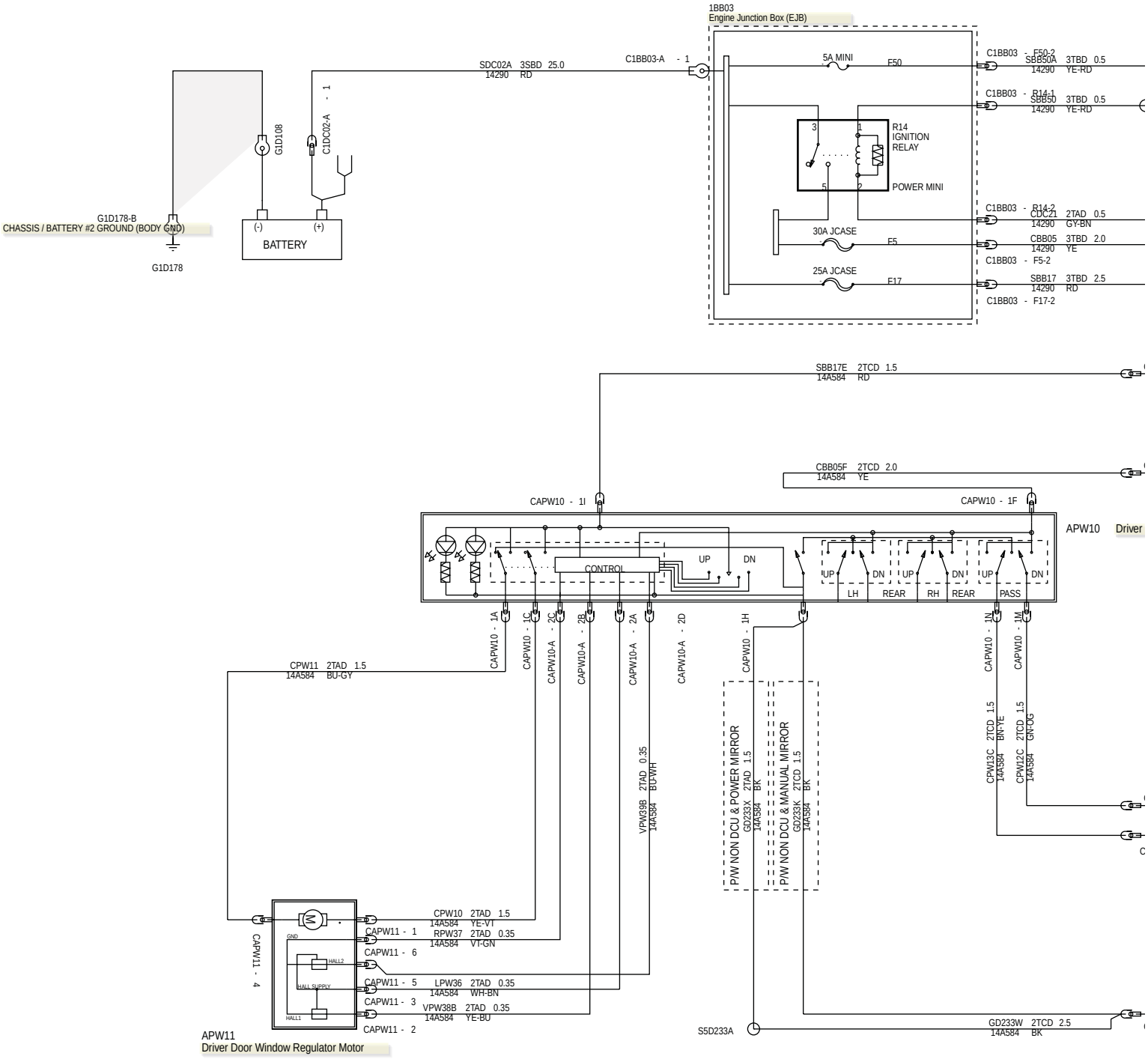

C26 - 1
BPW20
Passenger Door Window Regulator Motor
MOTOR DN
MOTOR UP
HALL 1
HALL SUPPLY
HALL 2
GND
CBPW20-A - 1 CPW41 2TAD 2.5 14K138 GY-YE CBPW04 - 1
CBPW20-A - 4 CPW40 2TAD 2.5 14K138 WH CBPW04 - 12
CBPW20-A - 5 VPW44 2TAD 0.35 14K138 BU-OG CBPW04 - 6
CBPW20-A - 3 LPW42 2TAD 0.35 14K138 VT-GY CBPW04 - 17
CBPW20-A - 2 VPW45 2TAD 0.35 14K138 GN-WH CBPW04 - 5
CBPW20-A - 6 RPW43 2TAD 0.35 14K138 YE-GN CBPW04 - 16
BPW04
Passenger Door Module (PDM)
WINDOW DOWN
WINDOW UP
HALL SENSOR SIGNAL 1
HALL SENSOR SUPPLY
HALL SENSOR SIGNAL 2
HALL SENSOR GND
SW ILLUMINATION
LIN
SW IN UP
SW IN DOWN
SW GND
CAN
MS_CAN LOW
MS_CAN HIGH
KL 30
KL 31
CBPW04 - 4 CPW04 2TAD 0.35 14K138 YE CBPW19-A - 1
CBPW04 - 22 CPW13 2TAD 0.35 14K138 BN-YE CBPW19-A - 2
CBPW04 - 11 CPW12 2TAD 0.35 14K138 GN-OG CBPW19-A - 3
CBPW04 - 18 RPW05 2TAD 0.35 14K138 GN-BN
CBPW04-A - 15 VDB07R 2TCD 0.5 14K138 VT-OG
CBPW04-A - 3 VDB06R 2TCD 0.5 14K138 GY-OG
TO DATA TRANSFER MS-CAN
TO DATA TRANSFER MS-CAN
BPW19
Passenger Door Window Control Switch
UP
S
DN
CBPW19-A - 4
CBPW04 - 2
CBPW04 - 13
SBB10H 2TCD 2.5 14K138 YE-RD
C26 - 20
GD214AS 2TCD 2.5 14K138 BK-BU
S6D214A
GD214AT 2TAD 2.5 14K138 BK-BU
P/W DCU & POWER MIRROR & POWER FOLD
GD214G 2TCD 2.5 14K138 BK-BU
P/W DCU & POWER MIRROR & WITHOUT AMBIENT LIGHTING
8PW05
Rear Door Module (RDM) RH
SBB51E 2TCD 2.5 14240 BU-RD
C8PW05 - 2
KL30
WINDOWLIFTER DOWN
WINDOWLIFTER UP
HALL SENSOR 1
HALL SENSOR SUPPLY
HALL SENSOR 2
HALL SENSOR GND
SW ILLUMINATION
SW IN UP
SW IN DOWN
SW GND
LIN
KL31
C8PW05 - 13
8PW24
Rear Door Window Regulator Motor RH
MOTOR DN
MOTOR UP
HALL 1
HALL SUPPLY
HALL 2
GND
C8PW24-A - 4 CPW53 2TAD 2.5 14240 YE-OG C8PW05 - 1
C8PW24-A - 1 CPW52 2TAD 2.5 14240 VT-WH C8PW05 - 12
C8PW24-A - 5 VPW56 2TAD 0.35 14240 BN-BU C8PW05 - 6
C8PW24-A - 3 LPW54 2TAD 0.35 14240 BN-GN C8PW05 - 17
C8PW24-A - 2 VPW57 2TAD 0.35 14240 BU-GY C8PW05 - 5
C8PW24-A - 6 RPW55 2TAD 0.35 14240 GY-VT C8PW05 - 16
8PW23
Rear Door Window Control Switch RH
UP
S
DN
C8PW05 - 4 CPW08 2TAD 0.35 14240 GN-BU C8PW23-A - 1
C8PW05 - 22 CPW18A 2TAD 0.35 14240 GY-VT C8PW23-A - 2
C8PW05 - 11 CPW17A 2TAD 0.35 14240 BN-GN C8PW23-A - 3
C8PW05 - 18 RPW09 2TAD 0.35 14240 BN-WH
C8PW23-A - 4
C38 - 3
GD345G 2TCD 2.5 14240 BK-BU
S2D233A
GD233A 2TAD 4.0 14401 BK
G2D233A-A
COWL SIDE / PILLAR A LEFT GROUND (POWER GND)
214
G2D233
LHD
S3D345A
GD345C 2TAD 2.5 14A005 BK-BU
GD345B 2TAD 2.5 14A005 BK-BU
G3D345-B
PILLAR B RIGHT GROUND
G3D345

501-11-8 Power Windows—RHD 4WD/RHD RWD, Vehicles With: Door Module

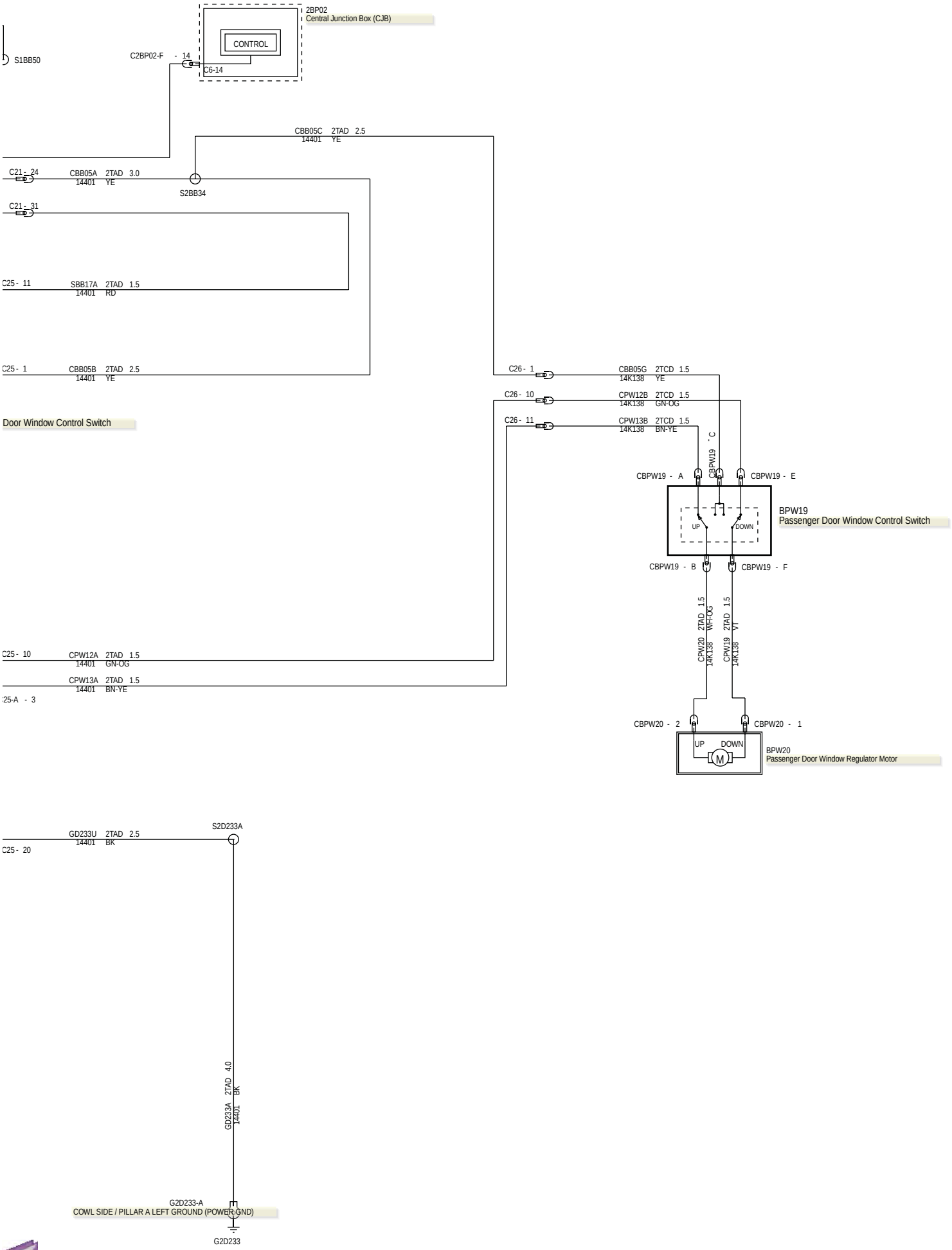



C26 - 1
BPW20
Passenger Door Window Regulator Motor
MOTOR DN
MOTOR UP
HALL 1
HALL SUPPLY
HALL 2
GND
BPW04
Passenger Door Module (PDM)
WINDOW DOWN
WINDOW UP
HALL SENSOR SIGNAL 1
HALL SENSOR SUPPLY
HALL SENSOR SIGNAL 2
HALL SENSOR GND
SW ILLUMINATION
LIN
SW IN UP
SW IN DOWN
SW GND
MS_CAN LOW
MS_CAN HIGH
KL 30
KL 31
BPW19
Passenger Door Window Control Switch
TO DATA TRANSFER MS-CAN
TO DATA TRANSFER MS-CAN
SBB10H 2TCD 2.5 14K138 YE-RD
C26 - 20
GD214AS 2TCD 2.5 14K138 BK-BU
S6D214A
GD214AT 2TAD 2.5 14K138 BK-BU
P/W DCU & POWER MIRROR & POWER FOLD
GD214G 2TCD 2.5 14K138 BK-BU
P/W DCU & POWER MIRROR & WITHOUT AMBIENT LIGHTING
8PW05
Rear Door Module (RDM) RH
8PW24
Rear Door Window Regulator Motor RH
8PW23
Rear Door Window Control Switch RH
GD233AF 2TAD 2.5 14401 BK
S2D233A
GD233A 2TAD 4.0 14401 BK
G2D233-A
COWL SIDE / PILLAR A LEFT GROUND (POWER GND)
214
G2D233

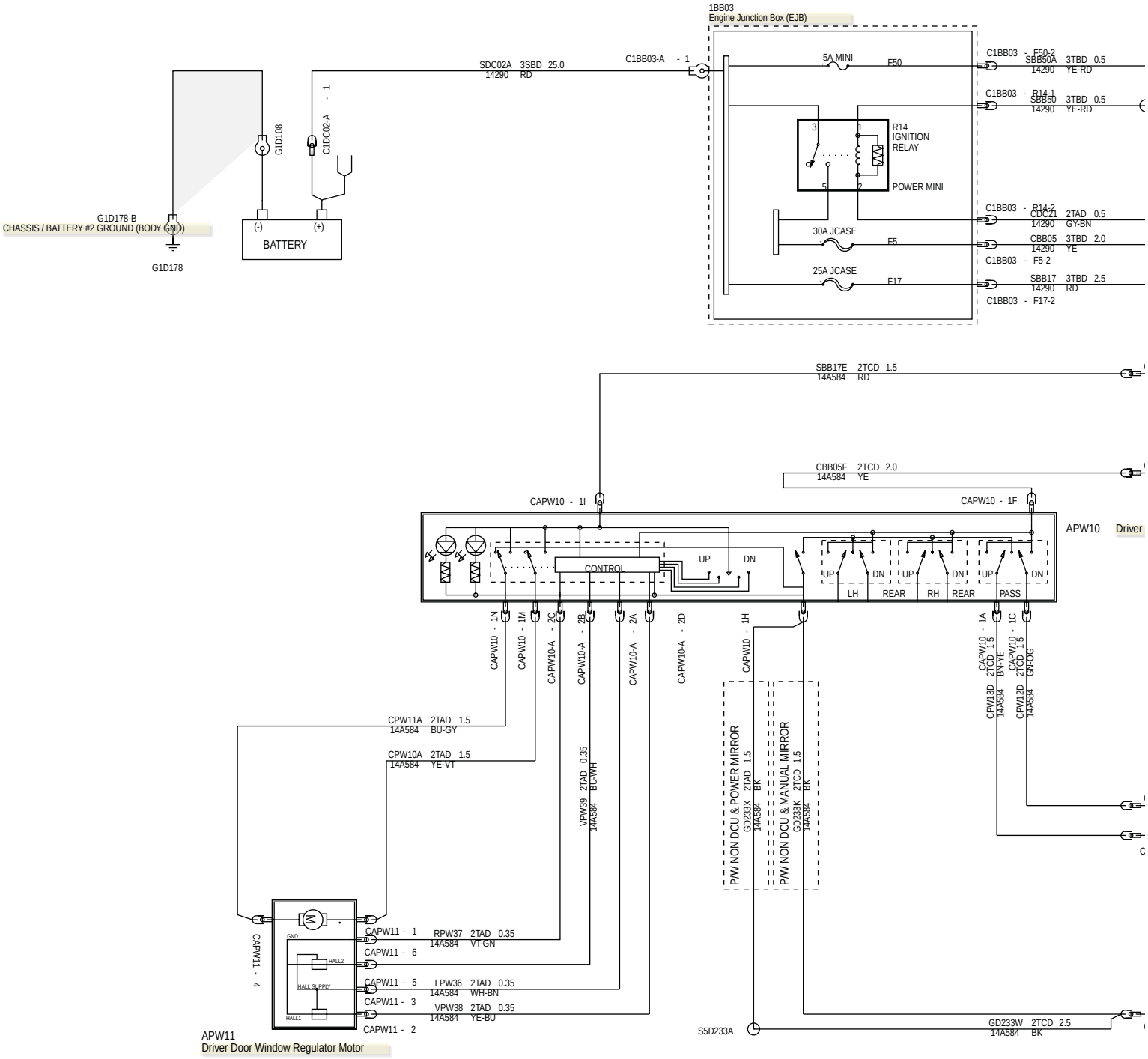
501-11-10 Power Windows—LHD 4WD/LHD RWD, Vehicles Without: Door Module



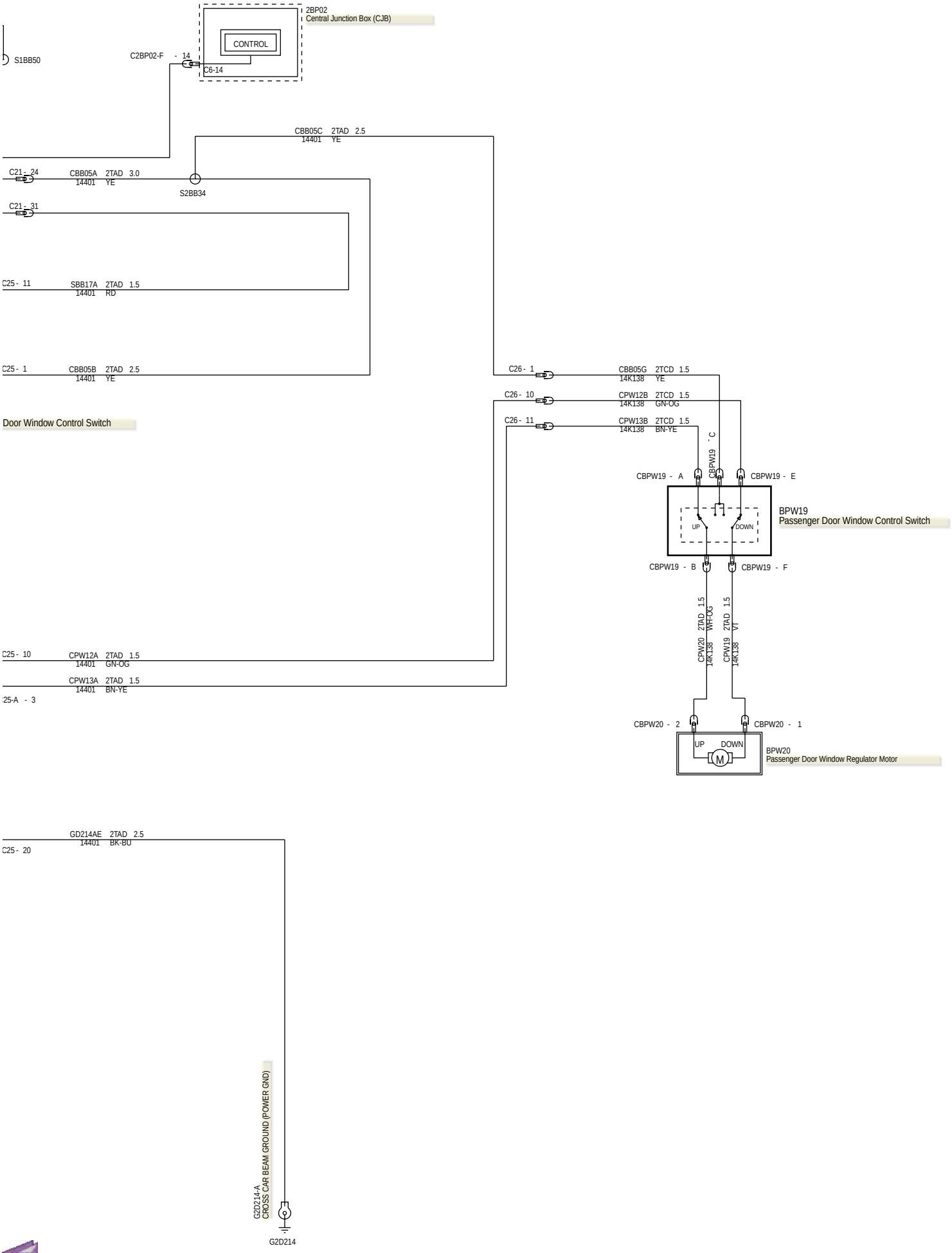
501-11-11 Power Windows—LHD 4WD/LHD RWD, Vehicles Without: Door Module



501-11-12 Power Windows—RHD 4WD/RHD RWD, Vehicles Without: Door Module



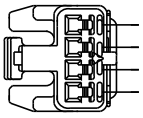
501-11-13 Power Windows—RHD 4WD/RHD RWD, Vehicles Without: Door Module



Driver Door Window Control Switch (G1405479)

IMAGE NOT AVAILABLE

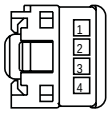
Driver Door Window Control Switch—A (G1405480)



2D VPW39B BU-WH 2TAD 0.35 + VPW38 YE-BU 2TAD 0.35
2C RPW37 VT-GN 2TAD 0.35
2B VPW38B YE-BU 2TAD 0.35 + VPW39 BU-WH 2TAD 0.35
2A LPW36 WH-BN 2TAD 0.35

MNN-DL-4F
CAPW10-A
TO WINDOW SWITCH DRIVER DOOR 2
HARNESS 14A584

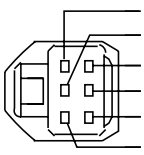
Driver Door Window Control Switch—B (G1405481)



1
2
3 VPW32A GY-BU 2TAD 0.35
4 GD215M BK-GY 2TAD 0.35

1L2T-14489-GC
CAPW10-B
TO DRIVER DOOR SWITCH PACK
HARNESS 14A584

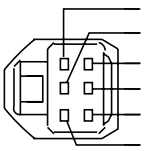
Driver Door Window Regulator Motor (G1405489)



1 CPW10A YE-VT 2TAD 1.5 + CPW10 YE-VT 2TAD 1.5
2 VPW38 YE-BU 2TAD 0.35 + VPW38B YE-BU 2TAD 0.35
4 CPW11 BU-GY 2TAD 1.5 + CPW11A BU-GY 2TAD 1.5
5 VPW39 BU-WH 2TAD 0.35 + VPW39B BU-WH 2TAD 0.35
6 RPW37 VT-GN 2TAD 0.35
3 LPW36 WH-BN 2TAD 0.35

8V5T-14A464-APA
CAPW11
TO DRIVER POWER WINDOW SMART MOTOR
HARNESS 14A584

Driver Door Window Regulator Motor—A (G1405490)



1 CPW34 BU 2TAD 2.5
2 VPW38A YE-BU 2TAD 0.35
4 CPW35 GN 2TAD 2.5
5 VPW39A BU-WH 2TAD 0.35
6 RPW37A VT-GN 2TAD 0.35
3 LPW36A WH-BN 2TAD 0.35

8V5T-14A464-APA
CAPW11-A
TO DRIVER WINDOW MOTOR MODULE
HARNESS 14A584

Heated Rear Window Element (G1405474)



1 CBB14A BK 2TAD 1.5

E5SB-14A664-DA
C3RD02
TO REAR DEFOGGER
HARNESS 14A005

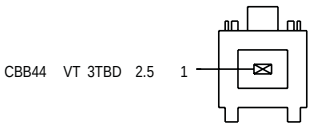
Heated Rear Window Element—A (G1405475)



1 GD348A BK 2TAD 1.5

E5SB-14A664-DA
C3RD02-A
TO REAR DEFOGGER GND
HARNESS 13N850

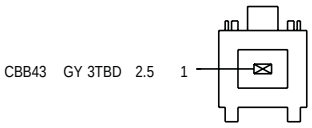
Heated Windshield Element LH (G1404732)



CBB44 VT 3TBD 2.5 1

XR8T-14A624-NA
C2RD03
TO WINDSCREEN HEATING LEFT
HARNESS 14290

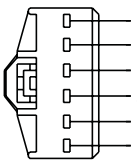
Heated Windshield Element RH (G1404738)



CBB43 GY 3TBD 2.5 1

XR8T-14A624-NA
C2RD04
TO WINDSCREEN HEATING RIGHT
HARNESS 14290

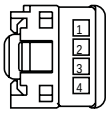
Passenger Door Window Control Switch (G1405495)



1 CPW19 VT 2TAD 1.5
2 CPW12B GN-OG 2TCD 1.5
3
4 CBB05G YE 2TCD 1.5
5 CPW20 WH-OG 2TAD 1.5
6 CPW13B BN-YE 2TCD 1.5

3M5T-14489-DFA
CBPW19
TO PASSENGER DOOR WINDOW SWITCH
HARNESS 14K138

Passenger Door Window Control Switch—A (G1405496)



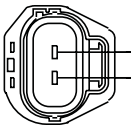
1 CPW04 YE 2TAD 0.35
2 CPW13 BN-YE 2TAD 0.35
3 CPW12 GN-OG 2TAD 0.35
4 RPW05 GN-BN 2TAD 0.35

1L2T-14489-GC

CBPW19-A
TO PASSENGER DOOR WINDOW SWITCH

HARNESS 14K138

Passenger Door Window Regulator Motor (G1405497)



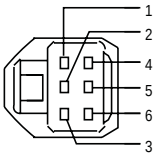
2 CPW20 WH-OG 2TAD 1.5
1 CPW19 VT 2TAD 1.5

8V5T-14A464-AMA

CBPW20
TO PASSENGER POWER WINDOW MOTOR

HARNESS 14K138

Passenger Door Window Regulator Motor—A (G1405498)



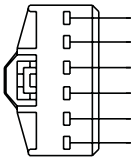
1 CPW41 GY-YE 2TAD 2.5
2 VPW45 GN-WH 2TAD 0.35
4 CPW40 WH 2TAD 2.5
5 VPW44 BU-OG 2TAD 0.35
6 RPW43 YE-GN 2TAD 0.35
3 LPW42 VT-GY 2TAD 0.35

8V5T-14A464-APA

CBPW20-A
TO PASSENGER WINDOW MOTOR MODULE

HARNESS 14K138

Rear Door Window Control Switch LH (G1404739)



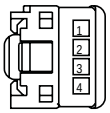
1 CPW15 YE 2TAD 1.5
2 CPW21C BN 2TCD 1.5
3
4 CBB05K YE 2TCD 1.5
5 CPW16 BU-OG 2TAD 1.5
6 CPW22C GN-VT 2TCD 1.5

3M5T-14489-DFA

C7PW21
TO REAR LEFT DOOR WINDOW SW

HARNESS 14241

Rear Door Window Control Switch LH—A (G1404740)



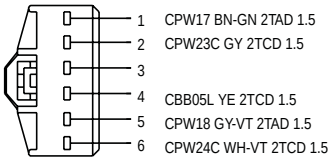
1
2
3
4 RPW07 GY-OG 2TAD 0.35

1L2T-14489-GC

C7PW21-A
TO REAR LEFT WINDOW SWITCH

HARNESS 14241

Rear Door Window Control Switch RH (G1404741)

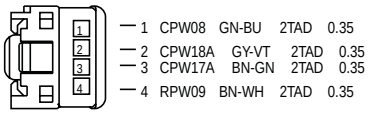


3M5T-14489-DFA

C8PW23
TO REAR RIGHT DOOR WINDOW SW

HARNESS 14240

Rear Door Window Control Switch RH—A (G1404742)

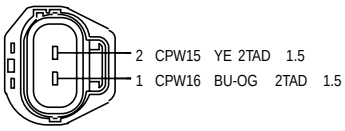


1L2T-14489-GC

C8PW23-A
TO REAR RIGHT WINDOW SWITCH

HARNESS 14240

Rear Door Window Regulator Motor LH (G1404747)

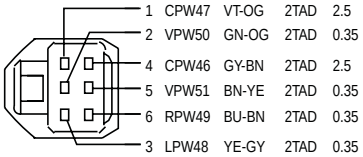


8V5T-14A464-AMA

C7PW22
TO REAR LEFT POWER WINDOW MOTOR

HARNESS 14241

Rear Door Window Regulator Motor LH—A (G1404748)

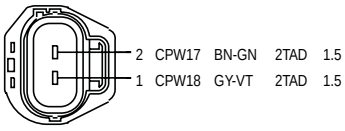


8V5T-14A464-APA

C7PW22-A
TO REAR LEFT WINDOW MOTOR MODULE

HARNESS 14241

Rear Door Window Regulator Motor RH (G1404749)

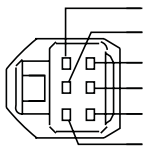


8V5T-14A464-AMA

C8PW24
TO REAR RIGHT POWER WINDOW MOTOR

HARNESS 14240

Rear Door Window Regulator Motor RH—A (G1404750)



1	CPW52	VT-WH	2TAD	2.5
2	VPW57	BU-GY	2TAD	0.35
4	CPW53	YE-OG	2TAD	2.5
5	VPW56	BN-BU	2TAD	0.35
6	RPW55	GY-VT	2TAD	0.35
3	LPW54	BN-GN	2TAD	0.35

8V5T-14A464-APA

C8PW24-A
TO REAR RIGHT WINDOW MOTOR MODULE

HARNESS 14240

SECTION 501-12 Instrument Panel and Console

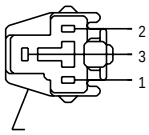
VEHICLE APPLICATION: 2012.0 Ranger

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Luggage Compartment Power Outlet Socket..... 501-12-2
Rear Passenger Power Outlet Socket..... 501-12-2
Rear Passenger Power Outlet Socket — A..... 501-12-2

Cigar Lighter (G1404760)

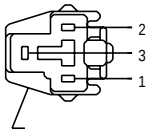


F8OB-14489-BC

C2DC07
TO CIGAR LIGHTER IP

HARNESS 14401

Front Power Outlet Socket (G1404761)

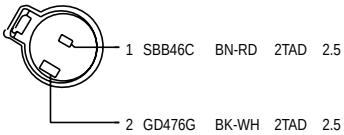


F8OB-14489-BC

C2DC08
TO POWER POINT IP

HARNESS 14401

Luggage Compartment Power Outlet Socket (G1404762)



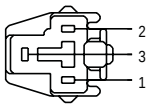
YL5T-14A464-AA

C4DC10
TO POWER POINT BEDLINER

HARNESS 19B966

Rear Passenger Power Outlet Socket (G1404763)

PIN 3 => GD345N BK-BU 2.5 2TAD + GD345P BK-BU 1.5 2TAD



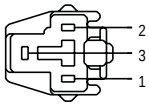
F8OB-14489-CD

C3DC09
TO POWER POINT CONSOLE REAR

HARNESS 14A005

Rear Passenger Power Outlet Socket—A (G1404764)

PIN 3 => GD345H BK-BU 2.5 2TAD + GD345F BK-BU 1.5 2TAD



F8OB-14489-CD

C3DC09-A
TO POWER POINT CONSOLE TOP

HARNESS 14A005

SECTION 501-14 Handles, Locks, Latches and Entry Systems

VEHICLE APPLICATION: 2012.0 Ranger

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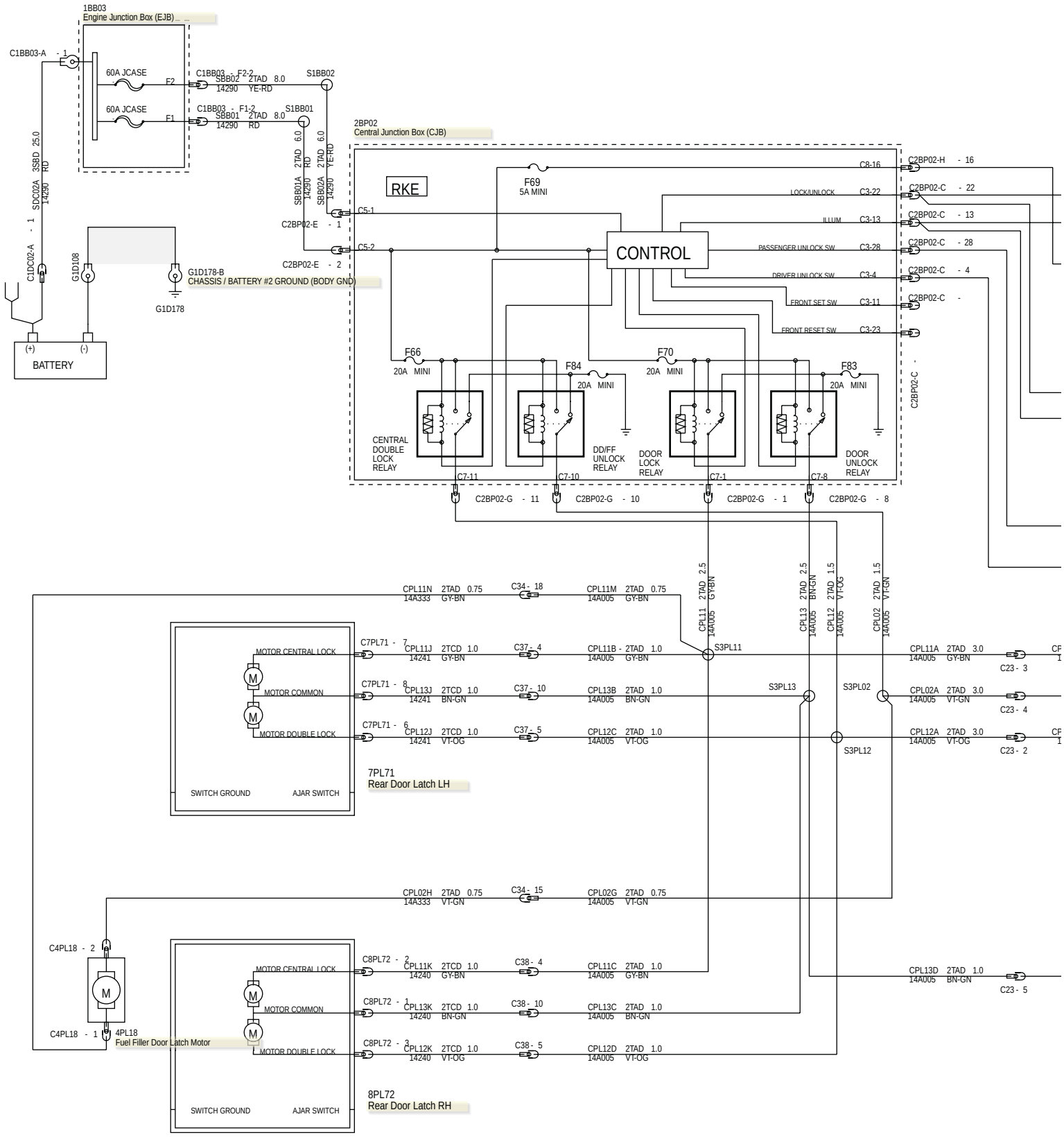
ELECTRICAL SCHEMATICS

Power Door Locks — LHD 4WD/LHD RWD..... 501-14-2
Power Door Locks — RHD 4WD/RHD RWD..... 501-14-4

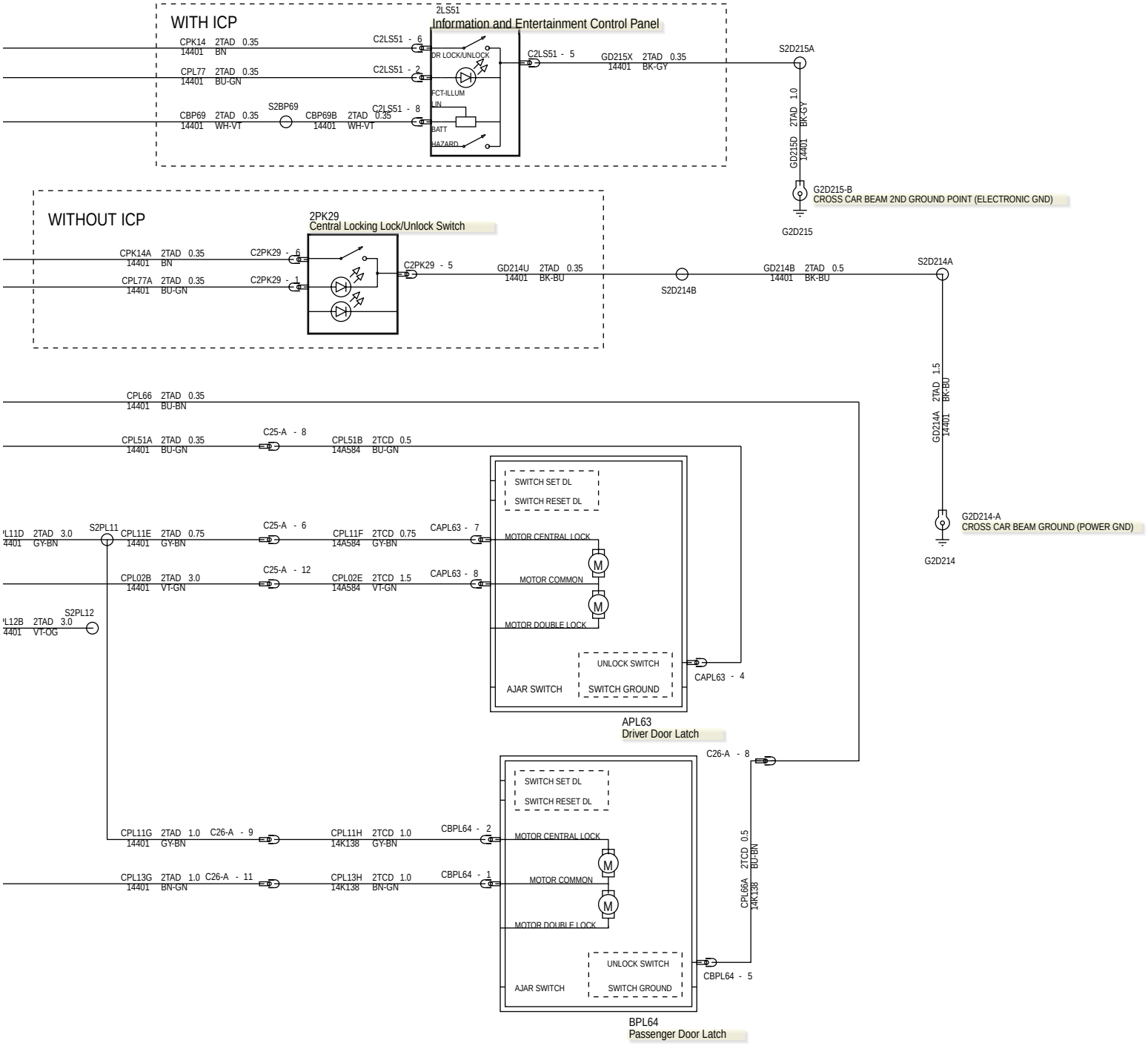
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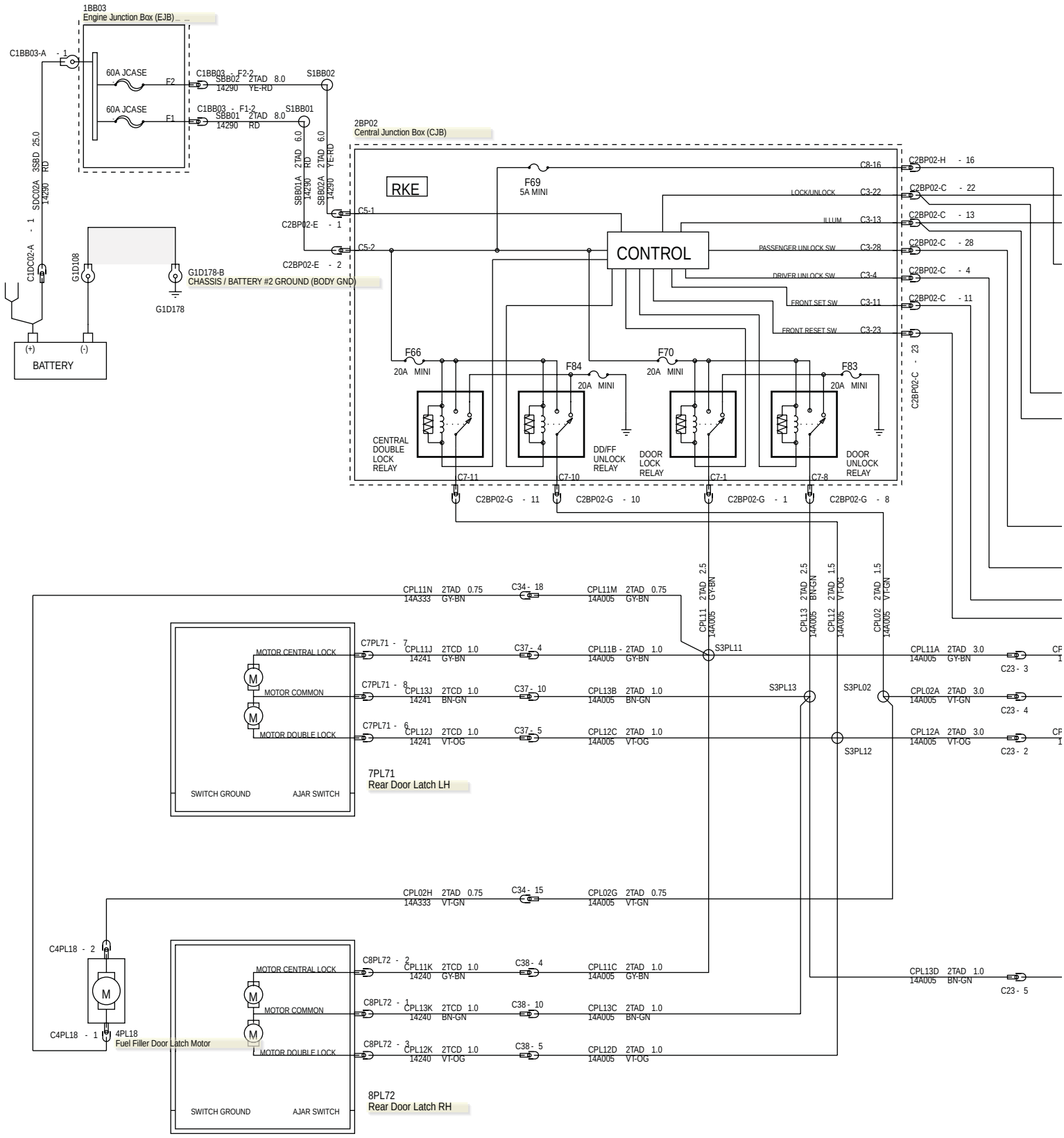
501-14-2 Power Door Locks—LHD 4WD/LHD RWD



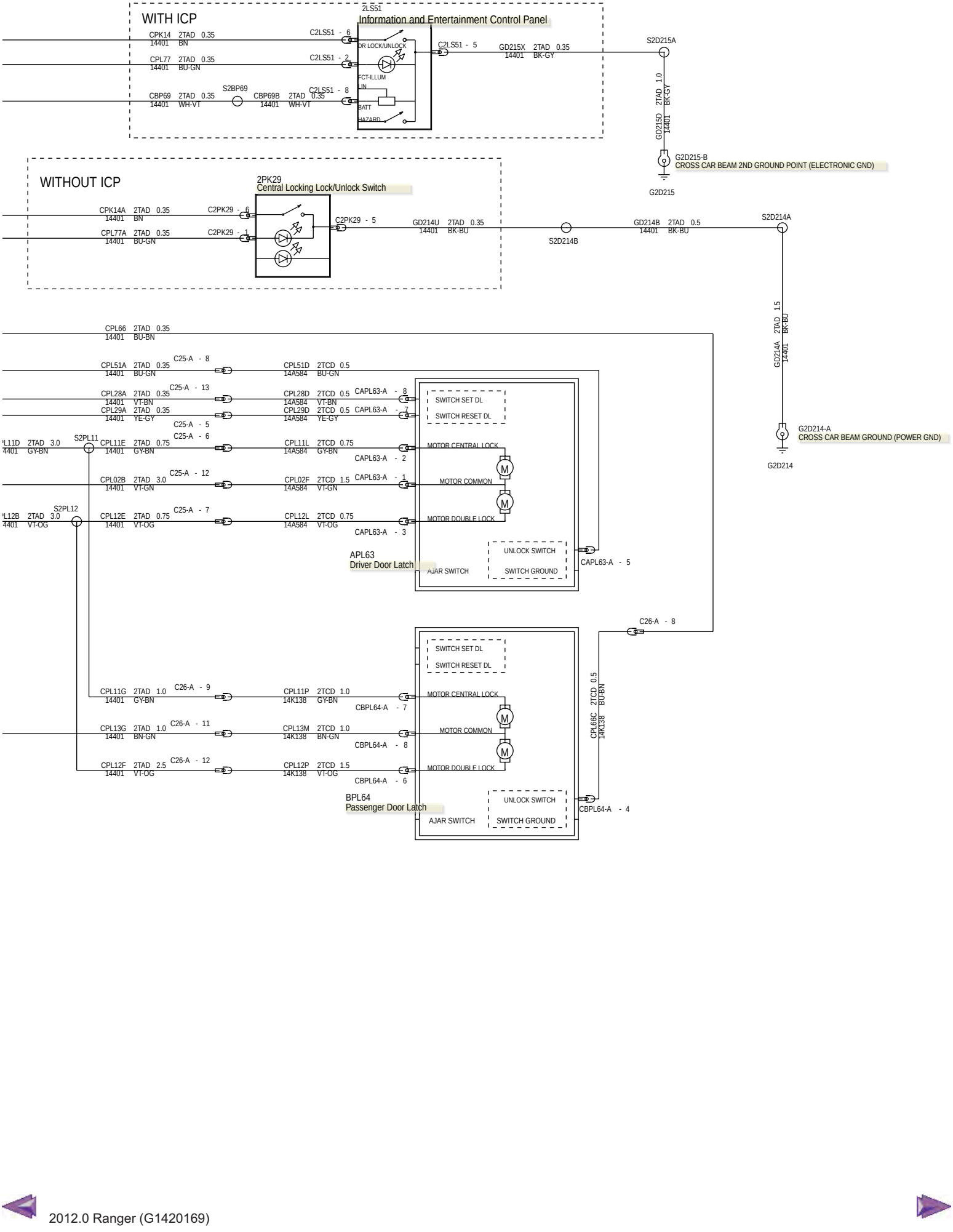
501-14-3 Power Door Locks—LHD 4WD/LHD RWD



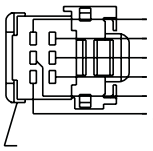
501-14-4 Power Door Locks—RHD 4WD/RHD RWD



501-14-5 Power Door Locks—RHD 4WD/RHD RWD



Central Locking Lock/Unlock Switch (G1414613)



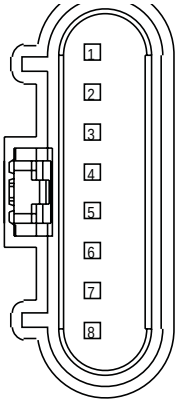
6	CPK14A	BN	2TAD	0.35	
3	CLN17R	BN	2TAD	0.35	
2	GD214V	BK-BU	2TAD	0.35	
1	CPL77A	BU-GN	2TAD	0.35	
5	GD214U	BK-BU	2TAD	0.35	
4					

4S7T-14489-DA

C2PK29
TO CENTRAL LOCK SWITCH FORD

HARNESS 14401

Driver Door Latch (G1408453)



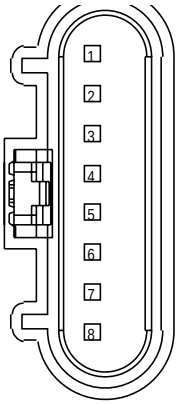
1					
2					
3	CPL26	GN-VT	2TCD	0.5	
4	CPL51B	BU-GN	2TCD	0.5	
5	GD215N	BK-GY	2TCD	0.5	
6					
7	CPL11F	GY-BN	2TCD	0.75	
8	CPL02E	VT-GN	2TCD	1.5	

9U5T-14A464-VAA

CAPL63
TO FRONT LEFT DOOR LATCH

HARNESS 14A584

Driver Door Latch—A (G1405510)



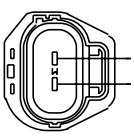
1	CPL02F	VT-GN	2TCD	1.5	
2	CPL11L	GY-BN	2TCD	0.75	
3	CPL12L	VT-OG	2TCD	0.75	
4	GD215P	BK-GY	2TCD	0.5	
5	CPL51D	BU-GN	2TCD	0.5	
6	CPL31C	WH	2TCD	0.5	
7	CPL29D	YE-GY	2TCD	0.5	
8	CPL28D	VT-BN	2TCD	0.5	

9U5T-14A464-VAA

CAPL63-A
TO FRONT RIGHT DOOR LATCH

HARNESS 14A584

Fuel Filler Door Latch Motor (G1404769)



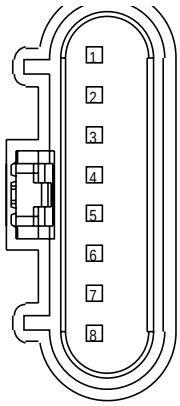
2	CPL02H	VT-GN	2TAD	0.75	+	CPL02D	VT-GN	2TAD	0.75
1	CPL11S	GY-BN	2TAD	0.75	+	CPL11N	GY-BN	2TAD	0.75

97BG-14A464-VBB

C4PL18
TO FUEL FLAP LOCKING MOTOR

HARNESS 14A333

Passenger Door Latch—A (G1405511)



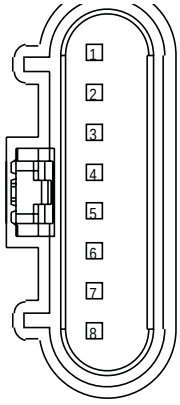
1				
2				
3	CPL26C	GN-VT	2TCD	0.5
4	CPL66C	BU-BN	2TCD	0.5
5	GD215T	BK-GY	2TCD	0.5
6	CPL12P	VT-OG	2TCD	1.5
7	CPL11P	GY-BN	2TCD	1.0
8	CPL13M	BN-GN	2TCD	1.0

9U5T-14A464-VAA

CBPL64-A
TO FRONT LEFT DOOR LATCH

HARNESS 14K138

Passenger Door Latch (G1408454)



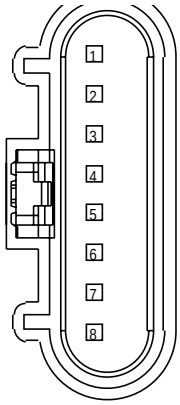
1	CPL13H	BN-GN	2TCD	1.0
2	CPL11H	GY-BN	2TCD	1.0
3				
4	GD215S	BK-GY	2TCD	0.5
5	CPL66A	BU-BN	2TCD	0.5
6	CPL31	WH	2TCD	0.5
7				
8				

9U5T-14A464-VAA

CBPL64
TO FRONT RIGHT DOOR LATCH

HARNESS 14K138

Rear Door Latch LH (G1404775)



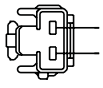
1				
2				
3	CPL36	GN	2TCD	0.5
4				
5	GD343R	BK-VT	2TAD	0.5
6	CPL12J	VT-OG	2TCD	1.0
7	CPL11J	GY-BN	2TCD	1.0
8	CPL13J	BN-GN	2TCD	1.0

9U5T-14A464-VAA

C7PL71
TO REAR LEFT DOOR LATCH (DOUBLE CAB)

HARNESS 14241

Rear Door Latch LH—A (G1404776)



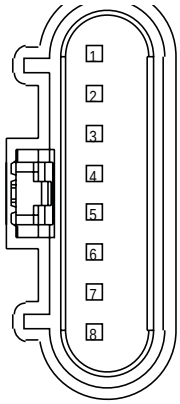
2	GD343V	BK-VT	2TAD	0.5
1	CPL36B	GN	2TCD	0.5

7T4T-14489-CA

C7PL71-A
TO REAR LEFT DOOR AJAR SW (RAP)

HARNESS 14241

Rear Door Latch RH (G1404777)



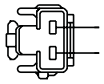
1	CPL13K	BN-GN	2TCD	1.0
2	CPL11K	GY-BN	2TCD	1.0
3	CPL12K	VT-OG	2TCD	1.0
4	GD343S	BK-VT	2TAD	0.5
5				
6	CPL39	YE	2TCD	0.5
7				
8				

9U5T-14A464-VAA

C8PL72
TO REAR RIGHT DOOR LATCH (DOUBLE CAB)

HARNESS 14240

Rear Door Latch RH—A (G1404778)



2	GD343U	BK-VT	2TAD	0.5
1	CPL39B	YE	2TCD	0.5

7T4T-14489-CA

C8PL72-A
TO REAR RIGHT DOOR AJAR SW (RAP)

HARNESS 14240

Radio Frequency (RF) Receiver (G1406665)

IMAGE NOT AVAILABLE

SECTION 501-16 Wipers and Washers

VEHICLE APPLICATION: 2012.0 Ranger

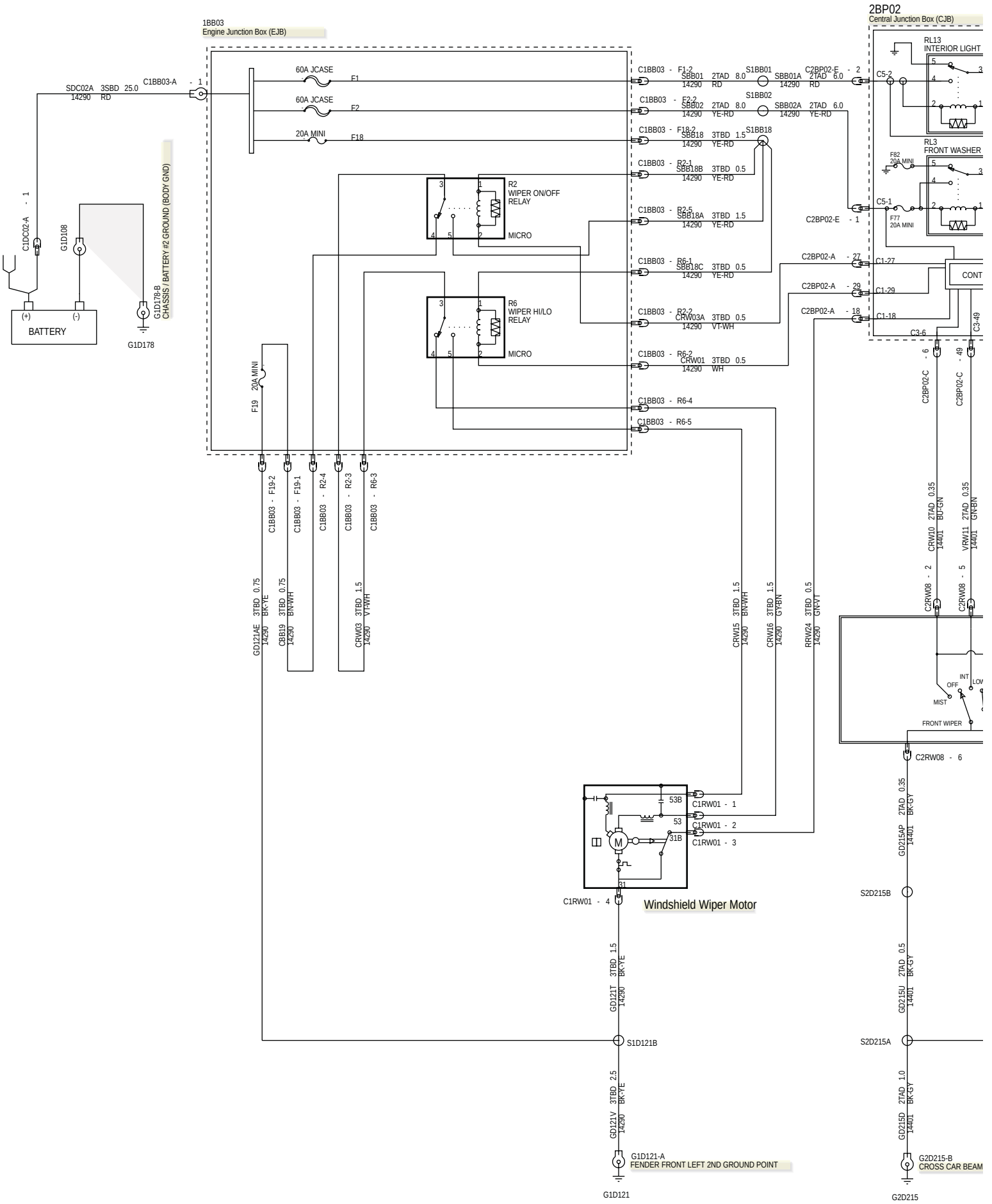
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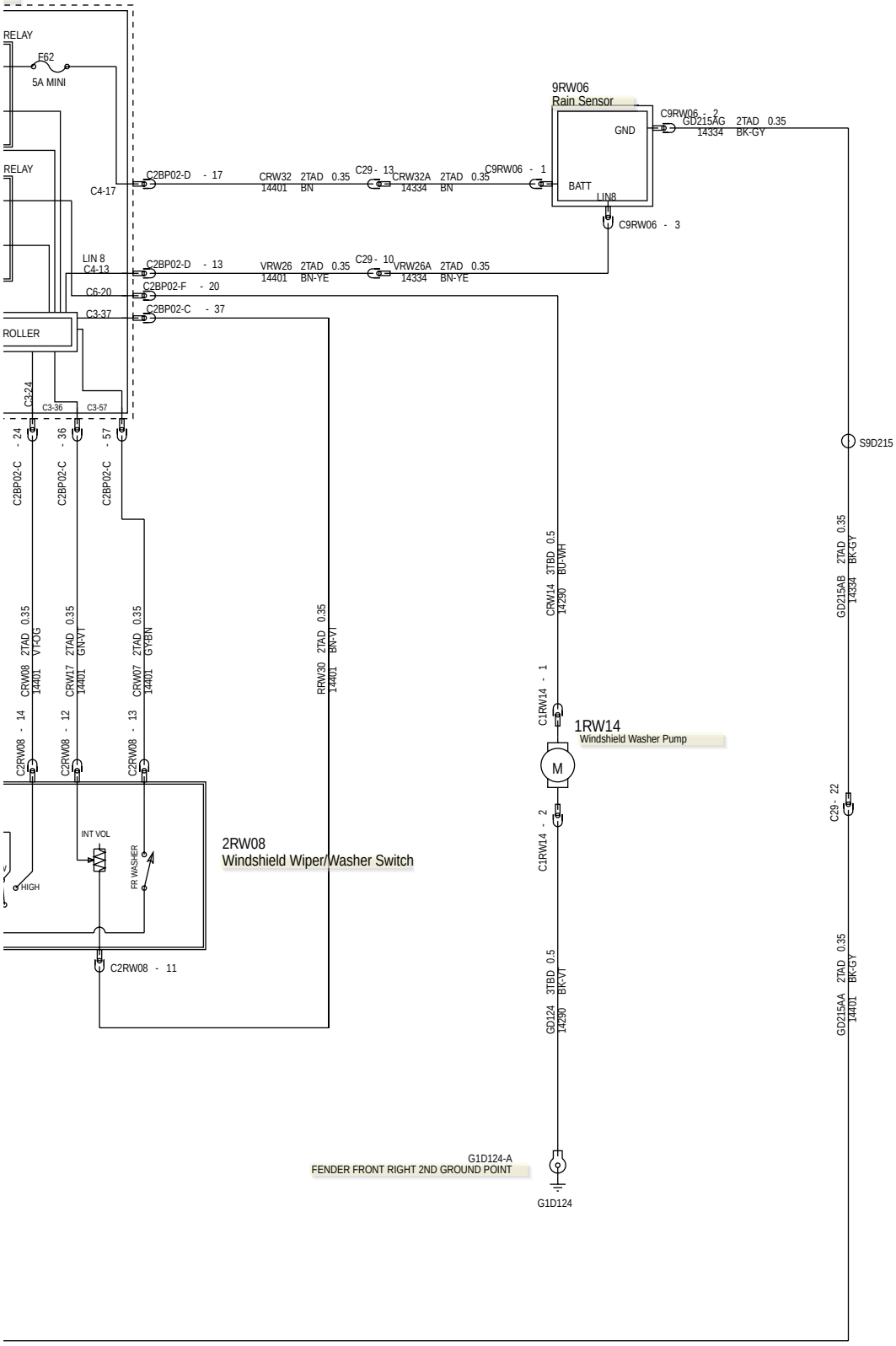
Wipers and Washers — LHD 4WD/LHD RWD..... 501-16-2
Wipers and Washers — RHD 4WD/RHD RWD..... 501-16-4

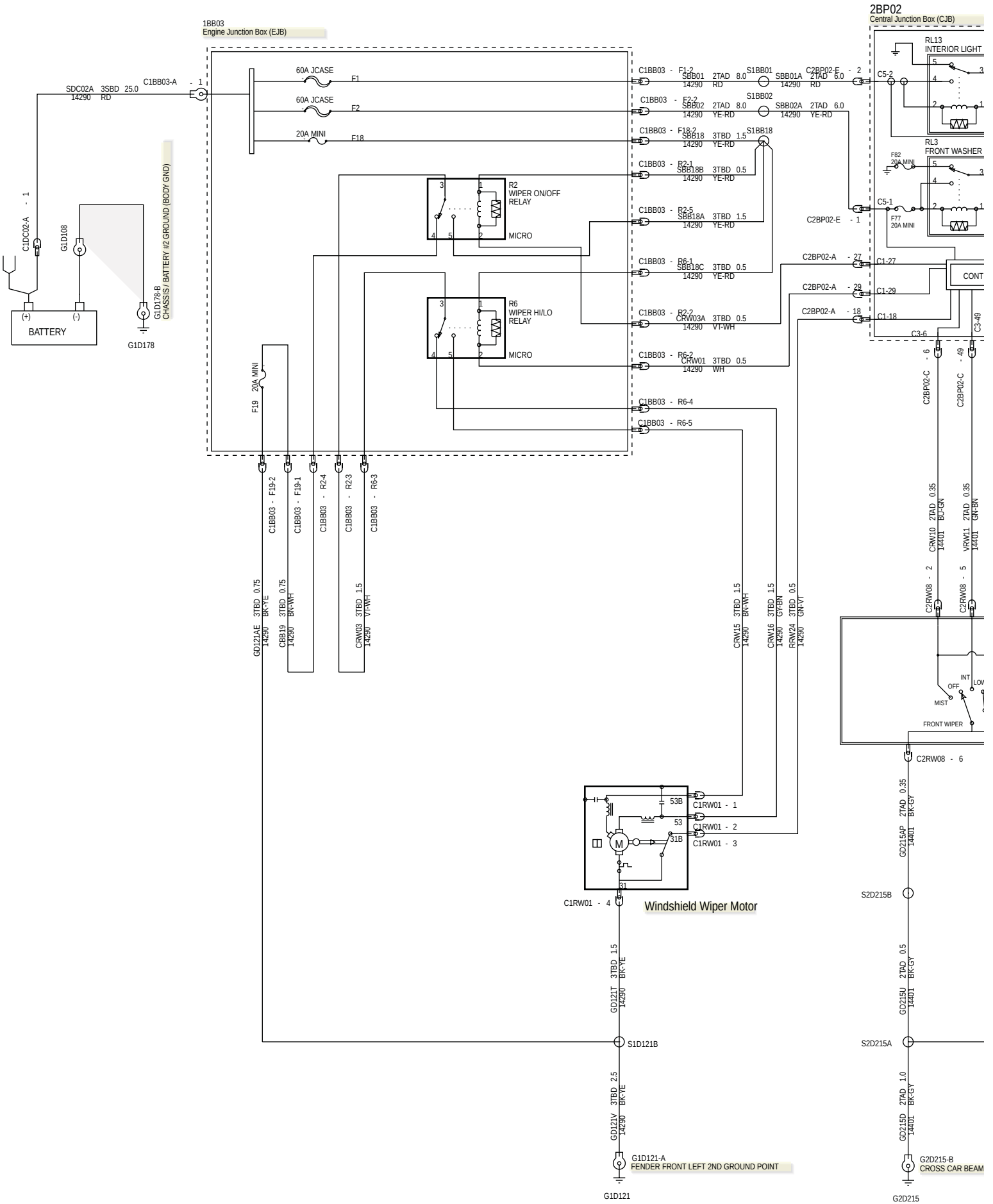
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Windshield Wiper Motor..... 501-16-6
Windshield Wiper/Washer Switch..... 501-16-6
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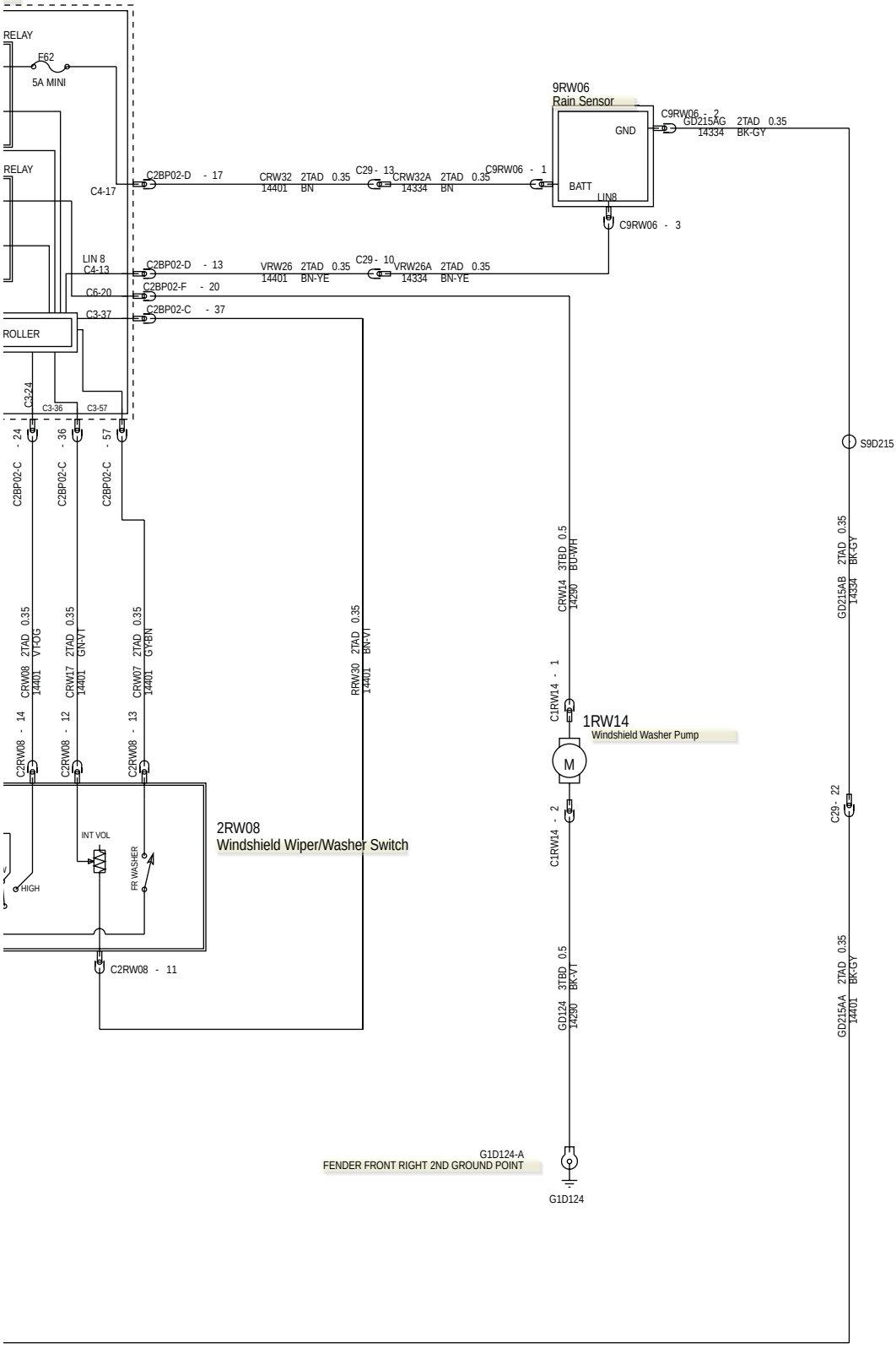

1BB03
Engine Junction Box (EJB)
2BP02
Central Junction Box (CJB)
60A JCASE
F1
60A JCASE
F2
20A MINI
F18
20A MINI
F19
R2
WIPER ON/OFF
RELAY
MICRO
R6
WIPER HI/LO
RELAY
MICRO
RL13
INTERIOR LIGHT
RL3
FRONT WASHER
F82
20A MINI
F77
20A MINI
CONT
INT
OFF
MIST
LOW
FRONT WIPER
BATTERY
G1D178
G1D108
C1DC02-A - 1
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
SDC02A 3SBD 25.0 14290 RD
C1BB03-A - 1
C1BB03 - F1-2 SBB01 2TAD 8.0 14290 RD
S1BB01
SBB01A 2TAD 6.0 14290 RD
C2BP02-E - 2
C5-2
C1BB03 - F2-2 SBB02 2TAD 8.0 14290 YE-RD
S1BB02
SBB02A 2TAD 6.0 14290 YE-RD
C1BB03 - F18-2 SBB18 3TBD 1.5 14290 YE-RD
S1BB18
C1BB03 - R2-1 SBB18B 3TBD 0.5 14290 YE-RD
C1BB03 - R2-5 SBB18A 3TBD 1.5 14290 YE-RD
C2BP02-E - 1
C5-1
C1BB03 - R6-1 SBB18C 3TBD 0.5 14290 YE-RD
C2BP02-A - 27
C1-27
C2BP02-A - 29
C1-29
C1BB03 - R2-2 CRW03A 3TBD 0.5 14290 VT-WH
C2BP02-A - 18
C1-18
C3-6
C3-49
C1BB03 - R6-2 CRW01 3TBD 0.5 14290 WH
C1BB03 - R6-4
C1BB03 - R6-5
C2BP02-C - 6
C2BP02-C - 49
C1BB03 - F19-2
C1BB03 - F19-1
C1BB03 - R2-4
C1BB03 - R2-3
C1BB03 - R6-3
GD121AE 3TBD 0.75 14290 BK-YE
CB819 3TBD 0.75 14290 BN-WH
CRW03 3TBD 1.5 14290 VT-WH
CRW15 3TBD 1.5 14290 BN-WH
CRW16 3TBD 1.5 14290 GY-BN
RRW24 3TBD 0.5 14290 GN-VT
CRW10 2TAD 0.35 14401 BU-GN
VRW11 2TAD 0.35 14401 GN-BN
C2RW08 - 2
C2RW08 - 5
C2RW08 - 6
53B
53
31B
31
M
C1RW01 - 1
C1RW01 - 2
C1RW01 - 3
C1RW01 - 4
Windshield Wiper Motor
GD215AP 2TAD 0.35 14401 BK-GY
S2D215B
GD121T 3TBD 1.5 14290 BK-YE
S1D121B
GD215U 2TAD 0.5 14401 BK-GY
S2D215A
GD121V 3TBD 2.5 14290 BK-YE
GD215D 2TAD 1.0 14401 BK-GY
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
G2D215-B
CROSS CAR BEAM
G2D215

501-16-3 Wipers and Washers—LHD 4WD/LHD RWD



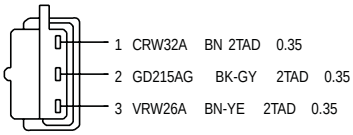

1BB03
Engine Junction Box (EJB)
2BP02
Central Junction Box (CJB)
60A JCASE
F1
60A JCASE
F2
20A MINI
F18
20A MINI
F19
R2
WIPER ON/OFF
RELAY
MICRO
R6
WIPER HI/LO
RELAY
MICRO
RL13
INTERIOR LIGHT
RL3
FRONT WASHER
F82
20A MINI
F77
20A MINI
CONT
INT
OFF
MIST
LOW
FRONT WIPER
Windshield Wiper Motor
BATTERY
G1D178
G1D178-B
CHASSIS/ BATTERY #2 GROUND (BODY GND)
G1D108
C1DC02-A
G1D121-A
FENDER FRONT LEFT 2ND GROUND POINT
G1D121
G2D215-B
CROSS CAR BEAM
G2D215

501-16-5 Wipers and Washers—RHD 4WD/RHD RWD



2ND GROUND POINT (ELECTRONIC GND)

Rain Sensor (G1404788)

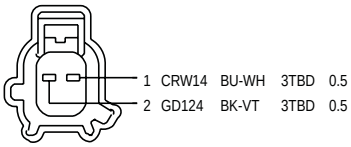


1X4T-14489-RA

C9RW06
TO RAIN SENSOR

HARNESS 14334

Windshield Washer Pump (G1404789)

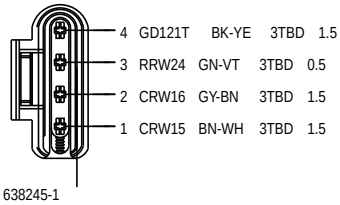


1L2T-14A464-AA

C1RW14
TO WASHER MOTOR

HARNESS 14290

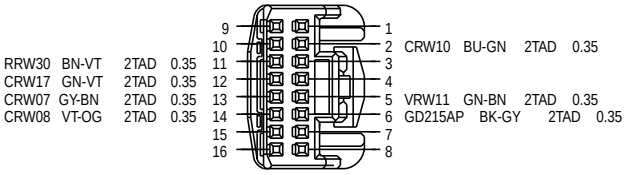
Windshield Wiper Motor (G1404790)



638245-1

C1RW01
TO WIPER MOTOR
HARNESS 14290

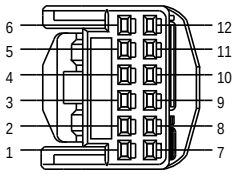
Windshield Wiper/Washer Switch (G1404791)



C2RW08
MQTZ-DL-16F
TO STALK SWITCHES WIPER
HARNESS 14401

Windshield Wiper/Washer Switch—A (G1404792)

CRW10A	BU-GN	2TAD	0.35	6		12			
				5		11	RRW30A	BN-VT	2TAD 0.35
				4		10	CRW17A	GN-VT	2TAD 0.35
VRW11A	GN-BN	2TAD	0.35	3		9	CRW07A	GY-BN	2TAD 0.35
GD215AN	BK-GY	2TAD	0.35	2		8	CRW08A	VT-OG	2TAD 0.35
				1		7			



C2RW08-A
MQTZ-DL-12F
TO STALK SWITCHES WIPER (RHD W/O RFOG)
HARNESS 14401

SECTION 501-20A Safety Belt System

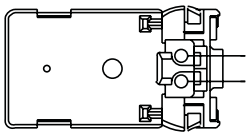
VEHICLE APPLICATION: 2012.0 Ranger

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Passenger Safety Belt Pretensioner..... 501-20A-2
Rear Safety Belt Retractor and Pretensioner..... 501-20A-2
Rear Safety Belt Retractor and Pretensioner..... 501-20A-2

Driver Safety Belt Pretensioner (G1404795)



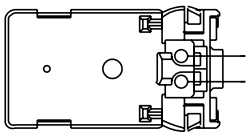
2	RR120	BN-GN	2TAD	0.5	GOLD
1	CR120	BU-OG	2TAD	0.5	GOLD

6E5T-14489-AA

C3R120
TO DRIVER BELT PRETENSIONER

HARNESS 14A005

Passenger Safety Belt Pretensioner (G1404796)



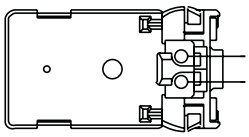
2	RR122	BN 2TAD	0.5		GOLD
1	CR122	WH-OG	2TAD	0.5	GOLD

6E5T-14489-AA

C3R122
TO PASSENGER BELT PRETENSIONER

HARNESS 14A005

Rear Safety Belt Retractor and Pretensioner (G1425540)



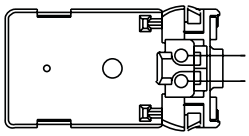
2	RR120B	BN-GN	2TCD	0.5	GOLD
1	CR120B	BU-OG	2TCD	0.5	GOLD

6E5T-14489-AA

C3R123
TO LEFT BELT PRETENSIONER LHD=DRIVER SIDE / RHD=PASSENGER SIDE

HARNESS 14241

Rear Safety Belt Retractor and Pretensioner (G1425541)



2	RR122B	BN 2TCD	0.5		GOLD
1	CR122B	WH-OG	2TCD	0.5	GOLD

6E5T-14489-AA

C3R125
TO RIGHT BELT PRETENSIONER LHD=PASSENGER SIDE / RHD=DRIVER SIDE

HARNESS 14240

SECTION 501-20B Supplemental Restraint System

VEHICLE APPLICATION: 2012.0 Ranger

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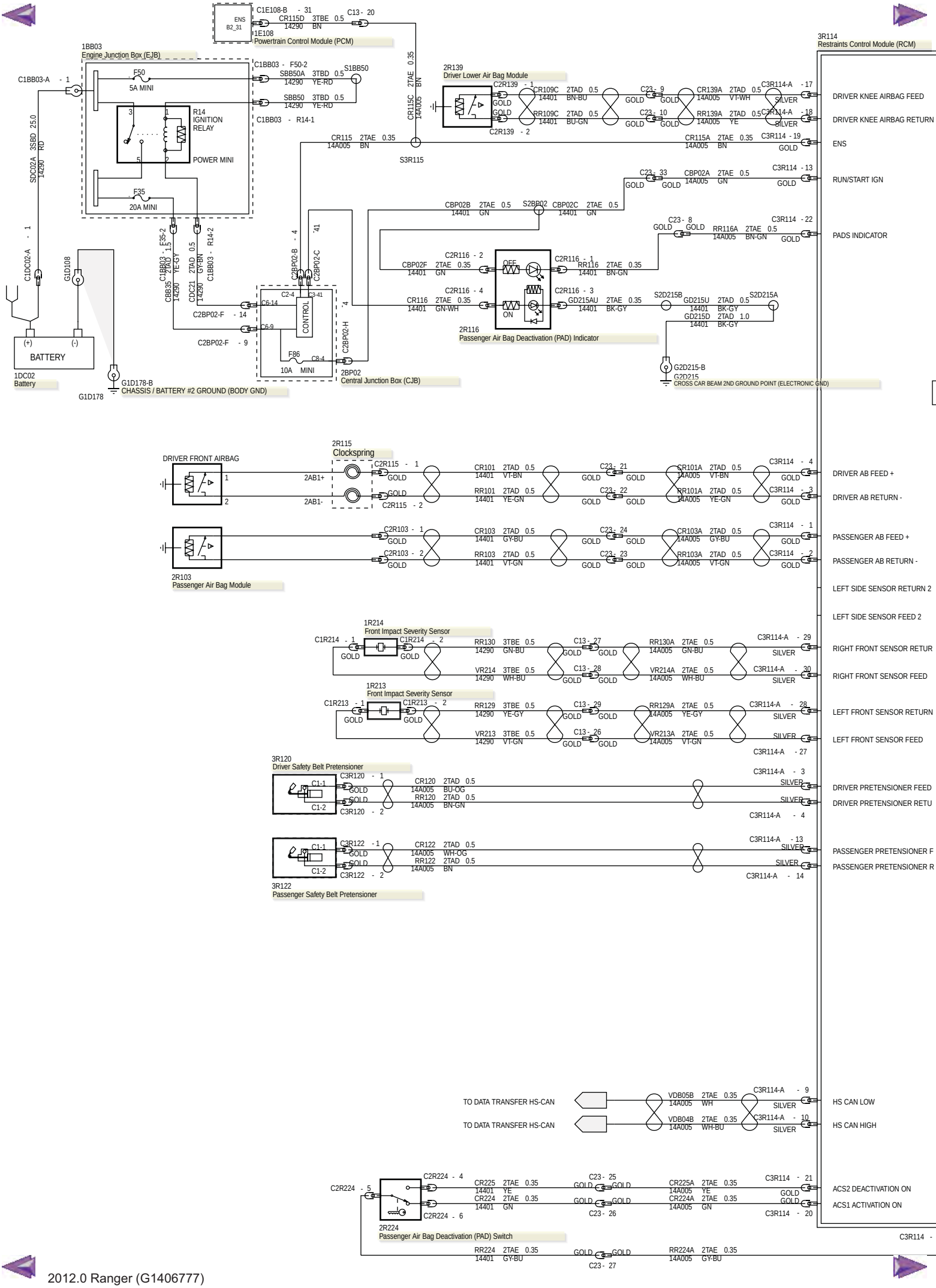
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Air Bags and Safety Belt Pretensioners — Double Cab, LHD 4WD/LHD RWD, Vehicles With: Passenger Air Bag Deactivation Switch 501-20B-7
Air Bags and Safety Belt Pretensioners — Double Cab, LHD 4WD/LHD RWD, Vehicles Without: Passenger Air Bag Deactivation Switch 501-20B-9
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ELECTRICAL CONNECTORS

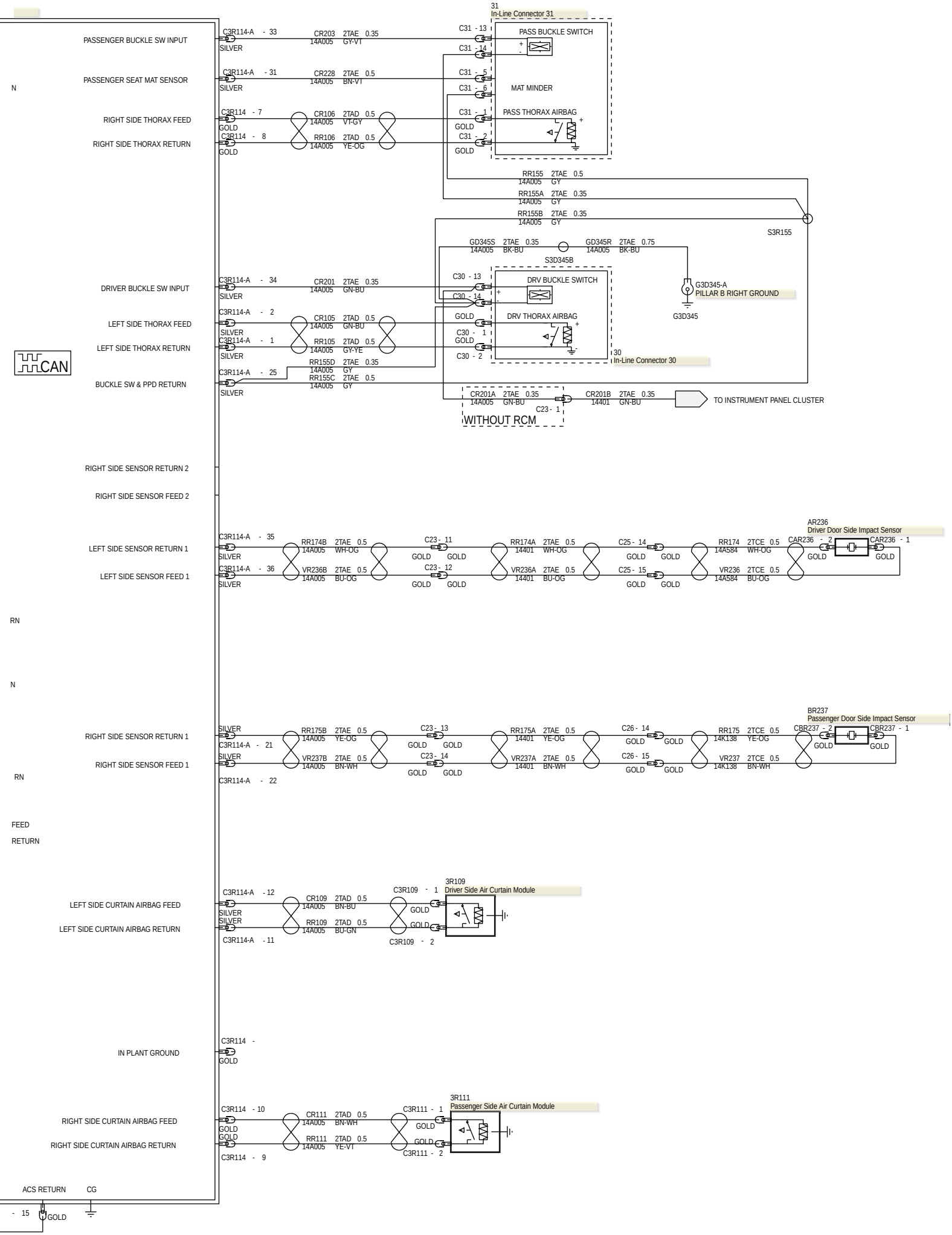
Clockspring 501-20B-27
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Driver Lower Air Bag Module 501-20B-27
Driver Side Air Curtain Module 501-20B-28
Front Impact Severity Sensor 501-20B-28
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Side Impact Sensor RH..... 501-20B-30

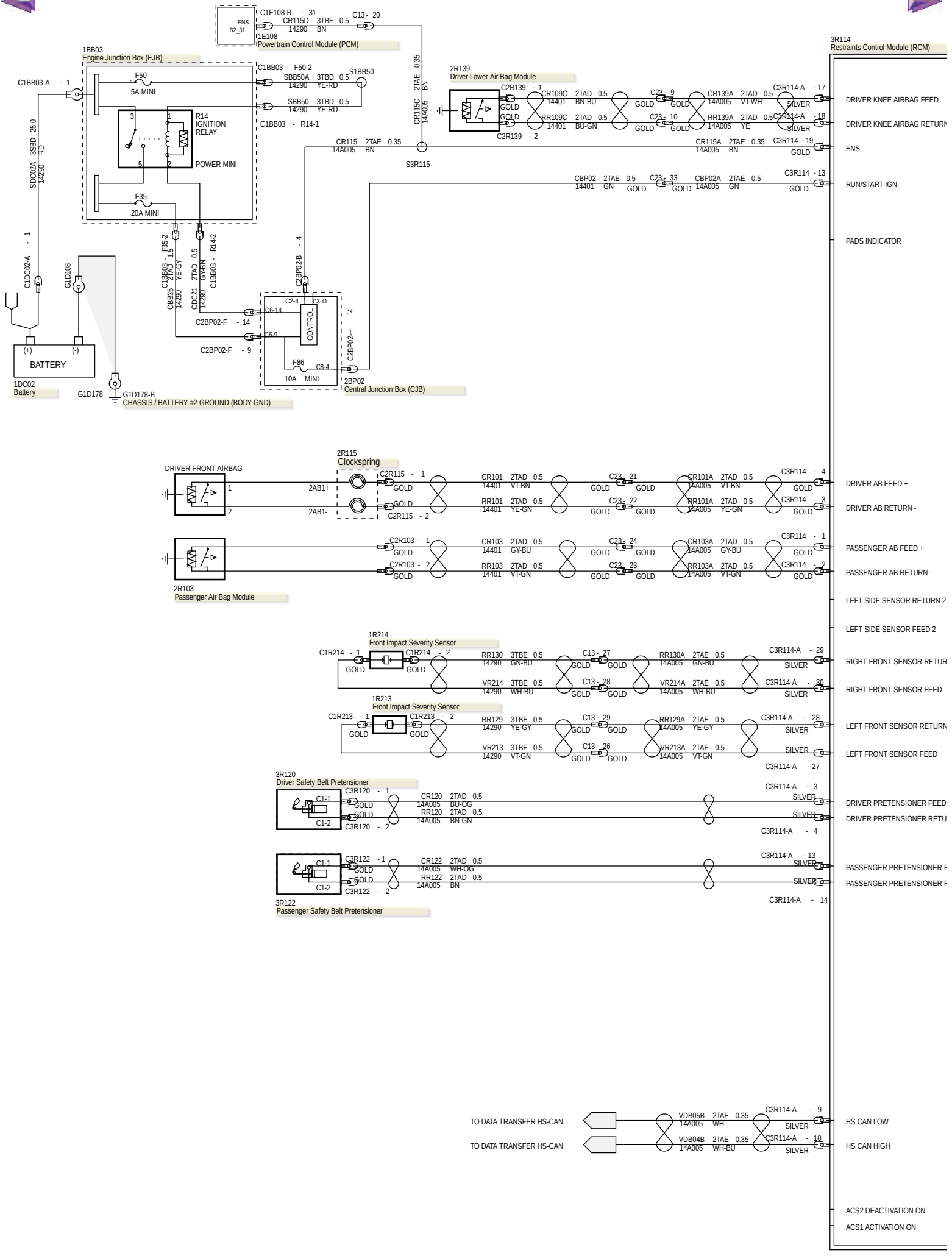
501-20B-3 Air Bags and Safety Belt Pretensioners—Single Cab, LHD 4WD/LHD RWD, Vehicles With: Passenger Air Bag Deactivation Switch

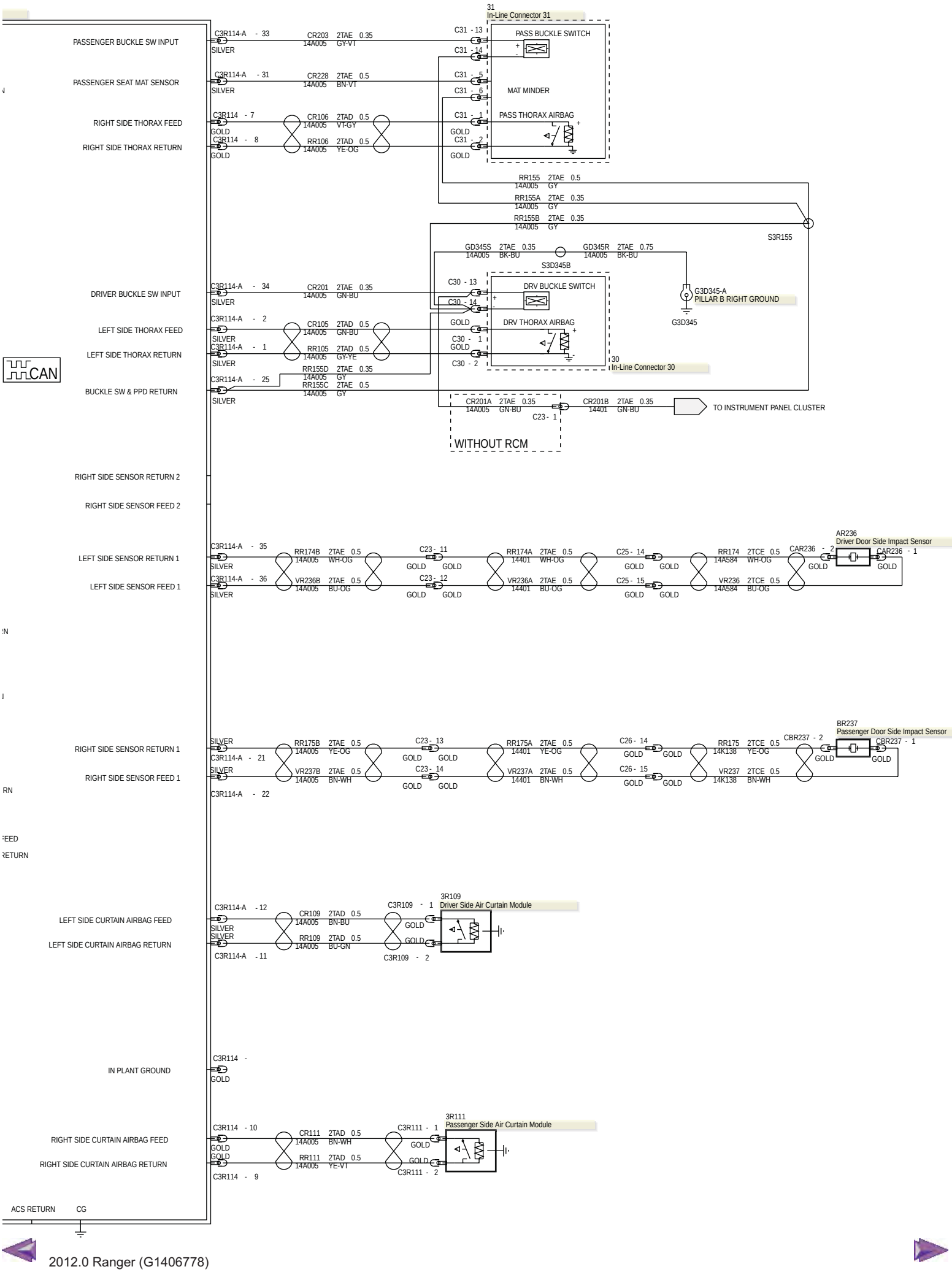


501-20B-4 Air Bags and Safety Belt Pretensioners—Single Cab, LHD 4WD/LHD RWD, Vehicles With: Passenger Air Bag Deactivation Switch

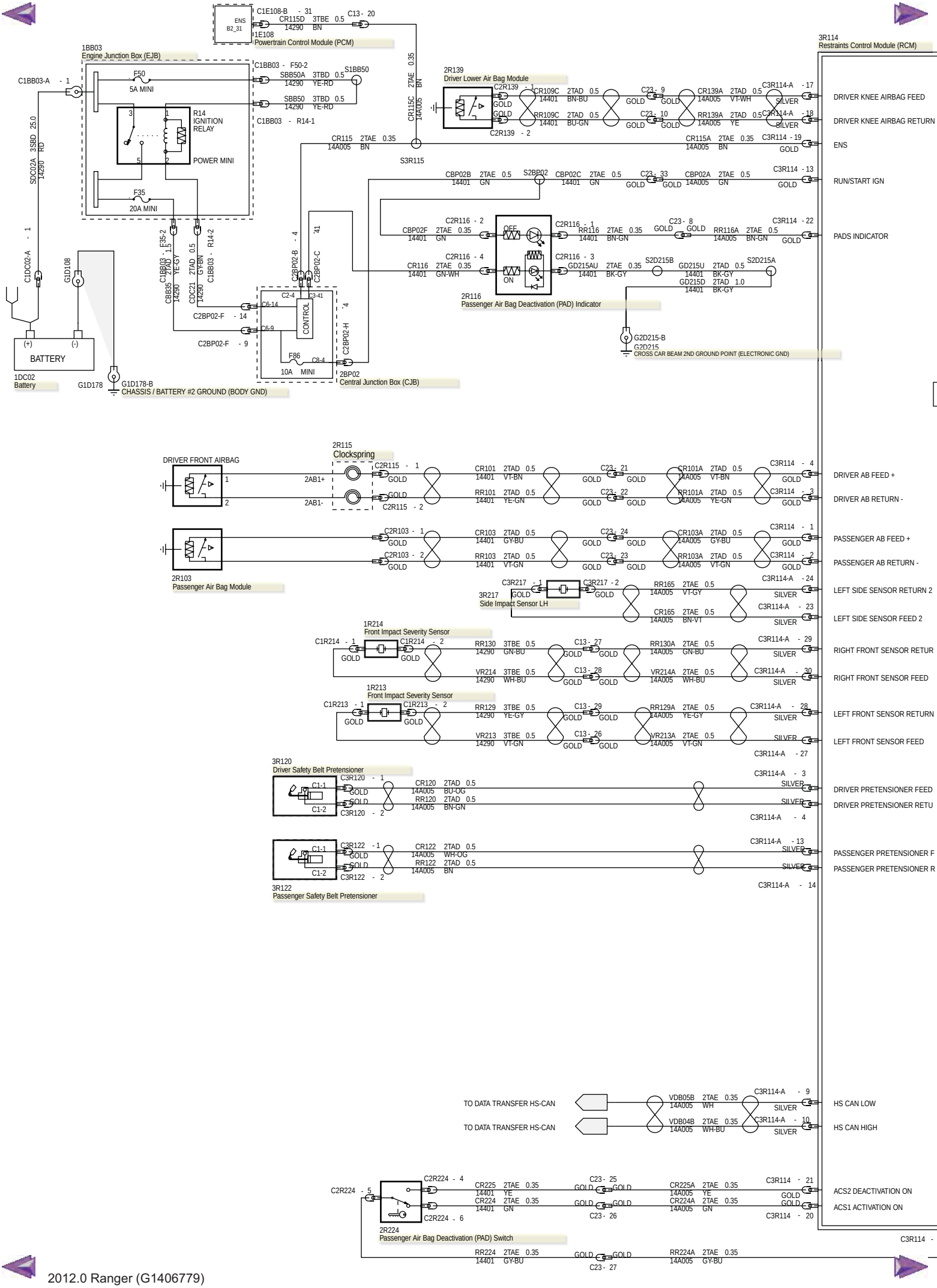


501-20B-5 Air Bags and Safety Belt Pretensioners—Single Cab, LHD 4WD/LHD RWD, Vehicles Without: Passenger Air Bag Deactivation Switch

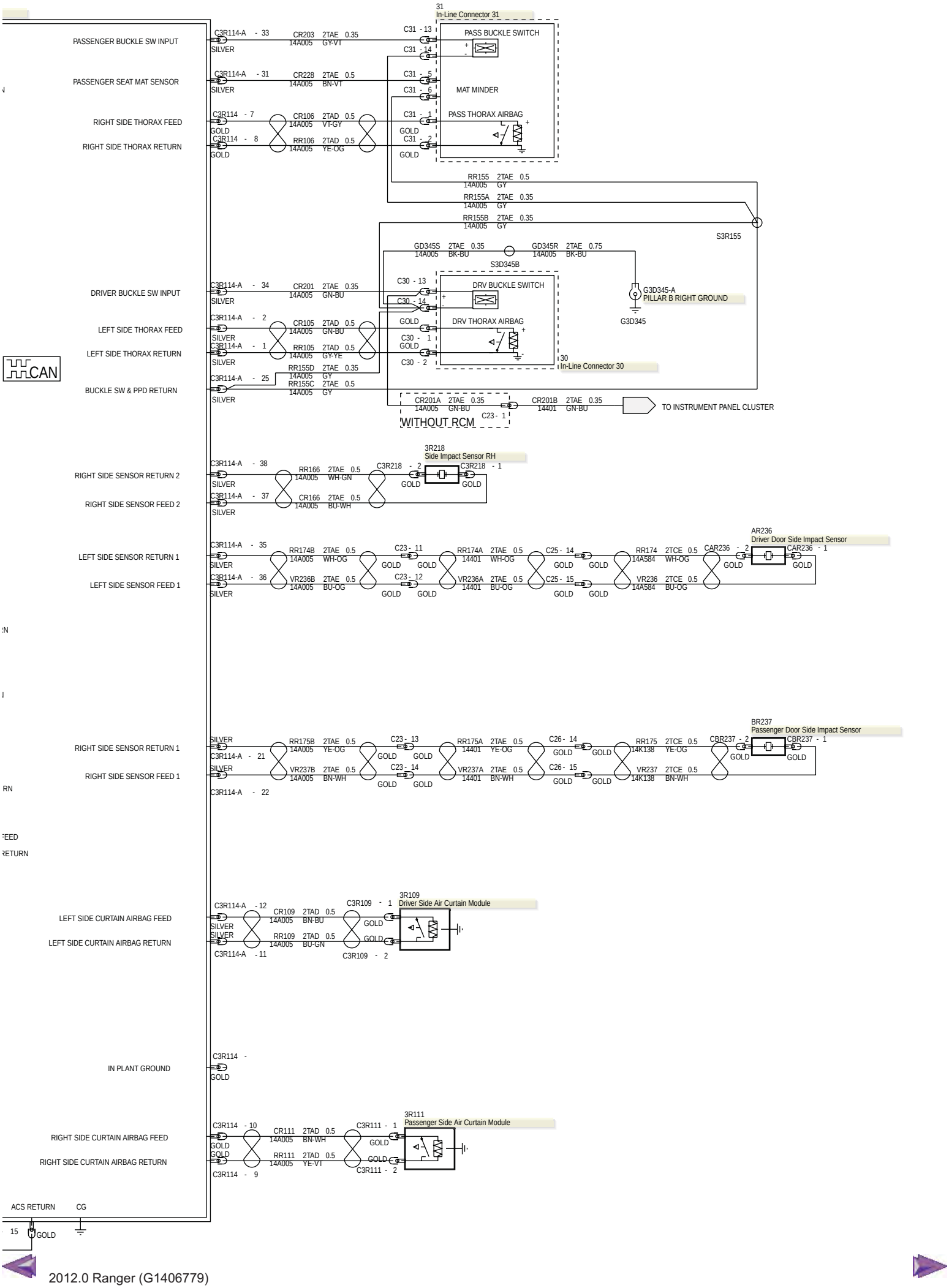



PASSENGER BUCKLE SW INPUT
PASSENGER SEAT MAT SENSOR
RIGHT SIDE THORAX FEED
RIGHT SIDE THORAX RETURN
DRIVER BUCKLE SW INPUT
LEFT SIDE THORAX FEED
LEFT SIDE THORAX RETURN
CAN
BUCKLE SW & PPD RETURN
RIGHT SIDE SENSOR RETURN 2
RIGHT SIDE SENSOR FEED 2
LEFT SIDE SENSOR RETURN 1
LEFT SIDE SENSOR FEED 1
RIGHT SIDE SENSOR RETURN 1
RIGHT SIDE SENSOR FEED 1
LEFT SIDE CURTAIN AIRBAG FEED
LEFT SIDE CURTAIN AIRBAG RETURN
IN PLANT GROUND
RIGHT SIDE CURTAIN AIRBAG FEED
RIGHT SIDE CURTAIN AIRBAG RETURN
ACS RETURN
CG
31
In-Line Connector 31
PASS BUCKLE SWITCH
MAT MINDER
PASS THORAX AIRBAG
DRV BUCKLE SWITCH
DRV THORAX AIRBAG
30
In-Line Connector 30
S3R155
S3D345B
G3D345-A
PILLAR B RIGHT GROUND
G3D345
TO INSTRUMENT PANEL CLUSTER
WITHOUT RCM
AR236
Driver Door Side Impact Sensor
BR237
Passenger Door Side Impact Sensor
3R109
Driver Side Air Curtain Module
3R111
Passenger Side Air Curtain Module

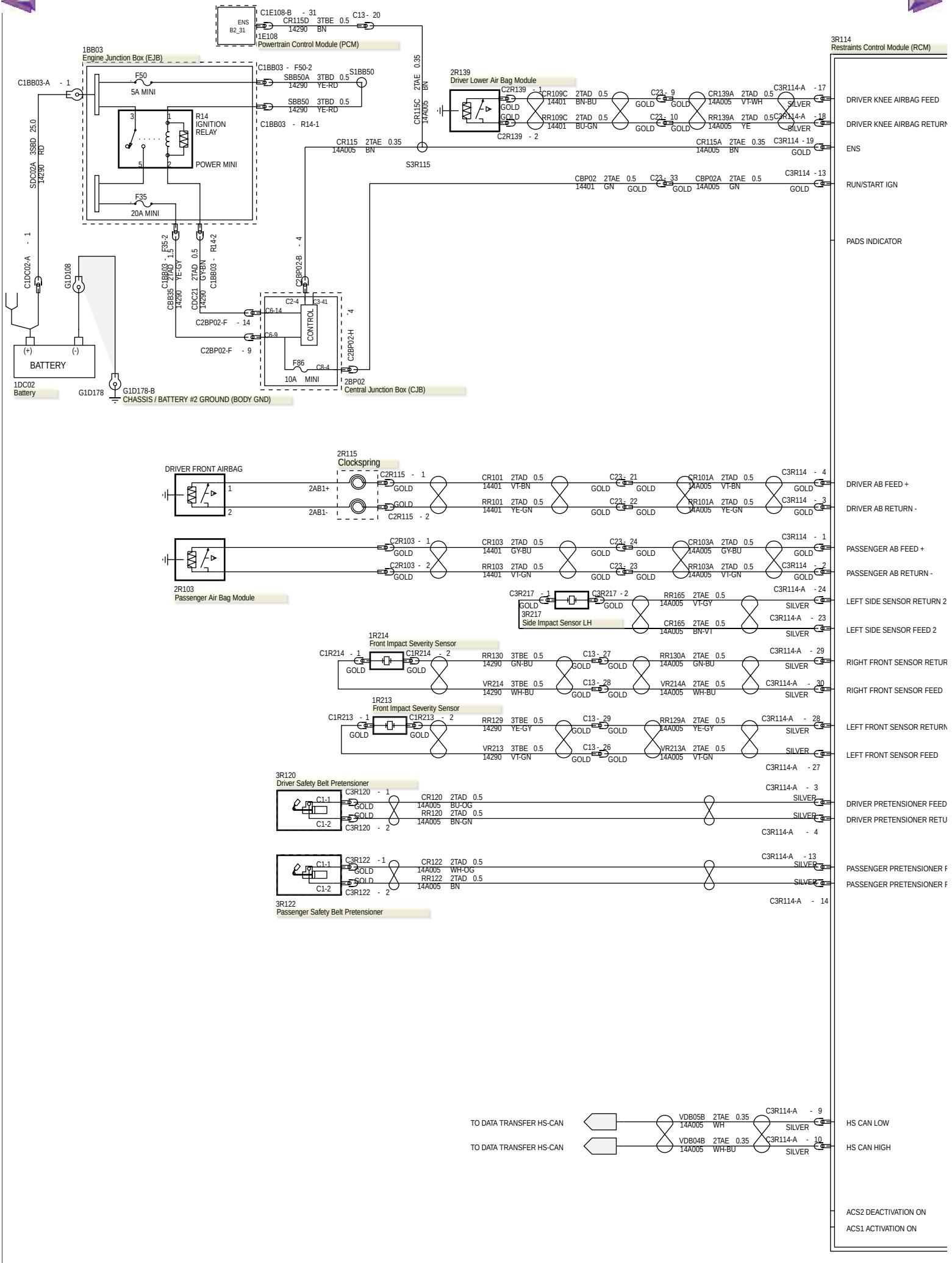
501-20B-7 Air Bags and Safety Belt Pretensioners—Double Cab, LHD 4WD/LHD RWD, Vehicles With: Passenger Air Bag Deactivation Switch

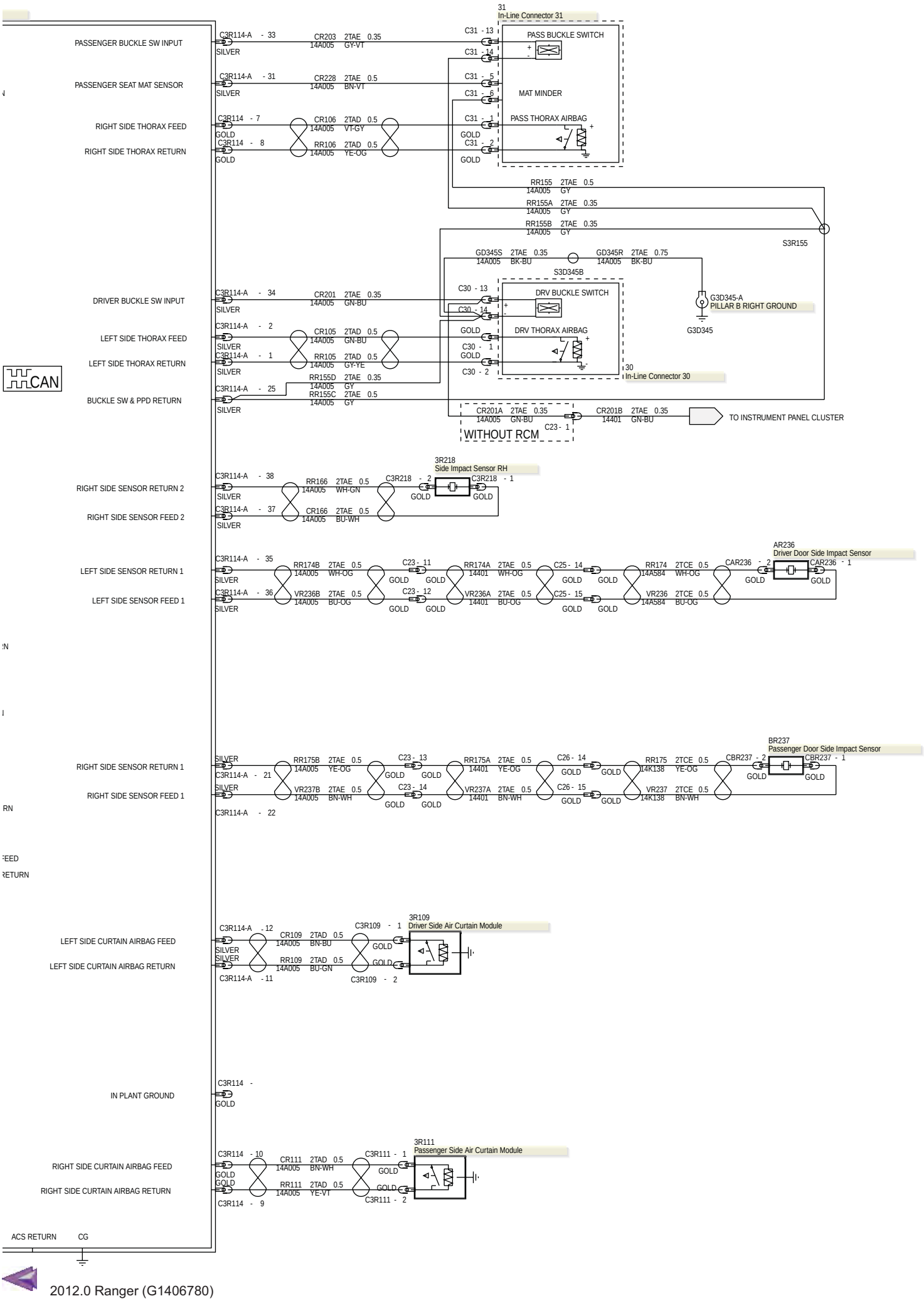


501-20B-8 Air Bags and Safety Belt Pretensioners—Double Cab, LHD 4WD/LHD RWD, Vehicles With: Passenger Air Bag Deactivation Switch

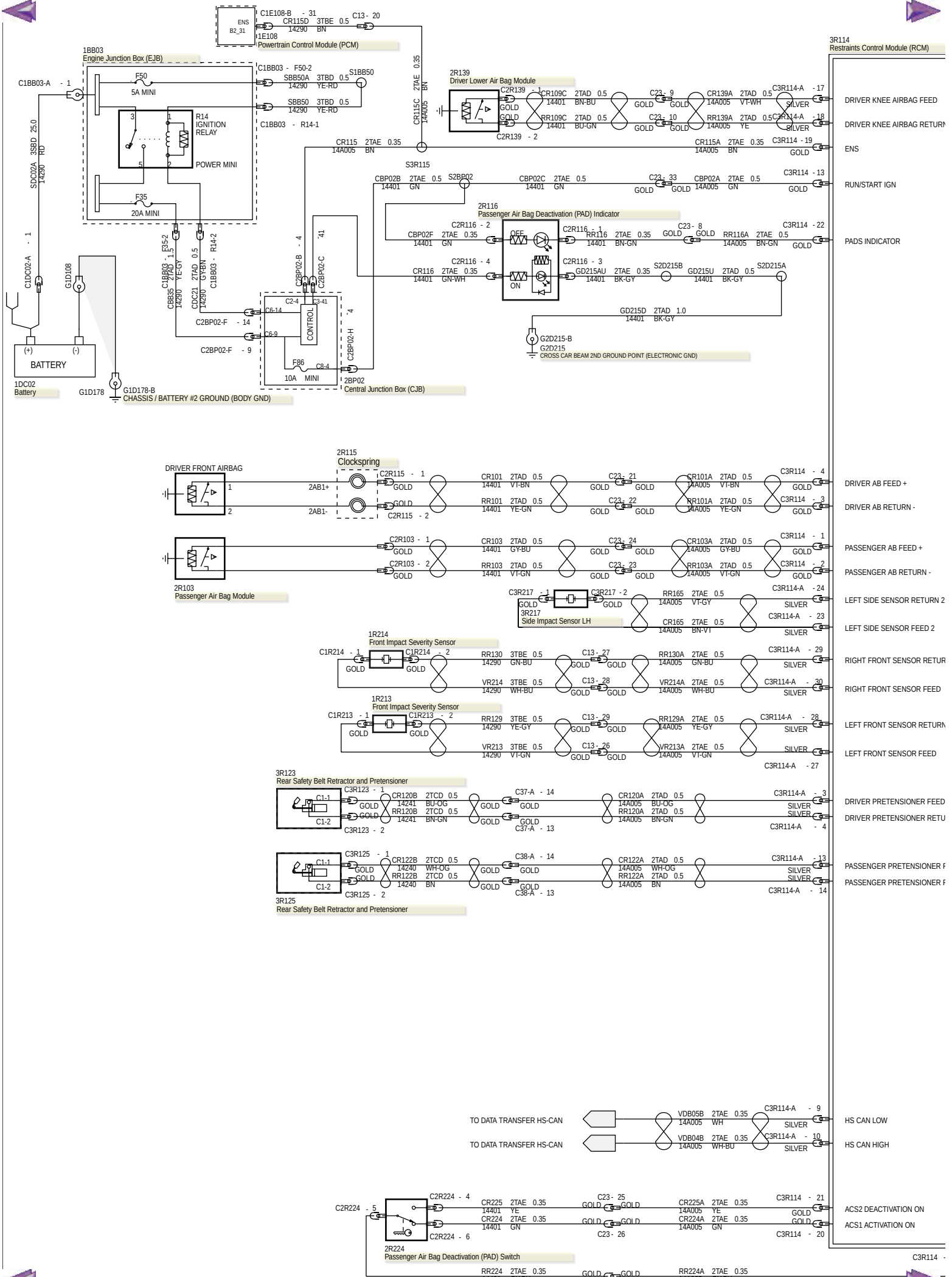


501-20B-9 Air Bags and Safety Belt Pretensioners—Double Cab, LHD 4WD/LHD RWD, Vehicles Without: Passenger Air Bag Deactivation Switch

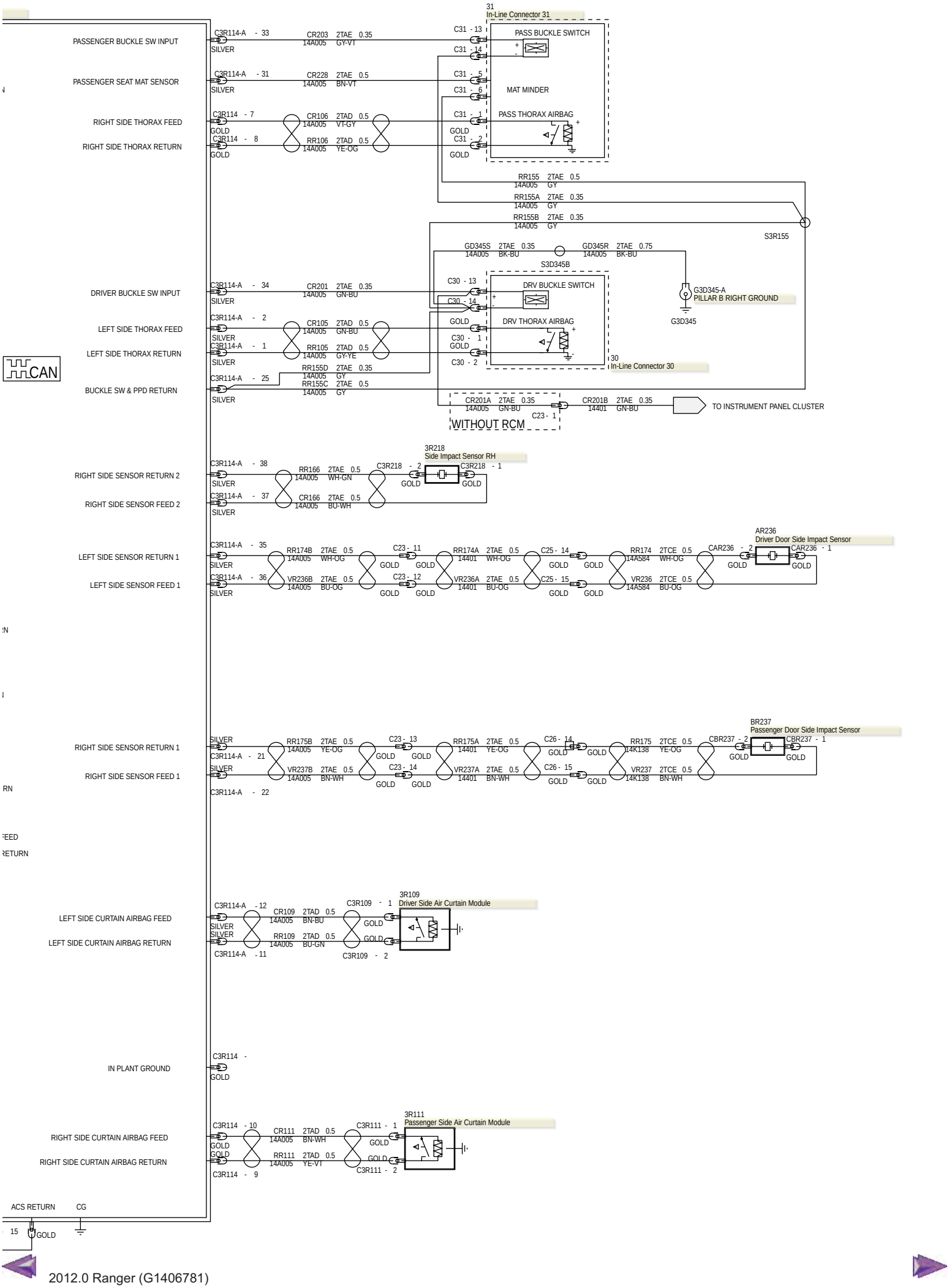



PASSENGER BUCKLE SW INPUT
PASSENGER SEAT MAT SENSOR
RIGHT SIDE THORAX FEED
RIGHT SIDE THORAX RETURN
DRIVER BUCKLE SW INPUT
LEFT SIDE THORAX FEED
LEFT SIDE THORAX RETURN
BUCKLE SW & PPD RETURN
CAN
RIGHT SIDE SENSOR RETURN 2
RIGHT SIDE SENSOR FEED 2
LEFT SIDE SENSOR RETURN 1
LEFT SIDE SENSOR FEED 1
RIGHT SIDE SENSOR RETURN 1
RIGHT SIDE SENSOR FEED 1
LEFT SIDE CURTAIN AIRBAG FEED
LEFT SIDE CURTAIN AIRBAG RETURN
IN PLANT GROUND
RIGHT SIDE CURTAIN AIRBAG FEED
RIGHT SIDE CURTAIN AIRBAG RETURN
ACS RETURN
CG
31
In-Line Connector 31
PASS BUCKLE SWITCH
MAT MINDER
PASS THORAX AIRBAG
S3R155
S3D345B
DRV BUCKLE SWITCH
DRV THORAX AIRBAG
G3D345-A
PILLAR B RIGHT GROUND
G3D345
30
In-Line Connector 30
WITHOUT RCM
TO INSTRUMENT PANEL CLUSTER
3R218
Side Impact Sensor RH
AR236
Driver Door Side Impact Sensor
BR237
Passenger Door Side Impact Sensor
3R109
Driver Side Air Curtain Module
3R111
Passenger Side Air Curtain Module

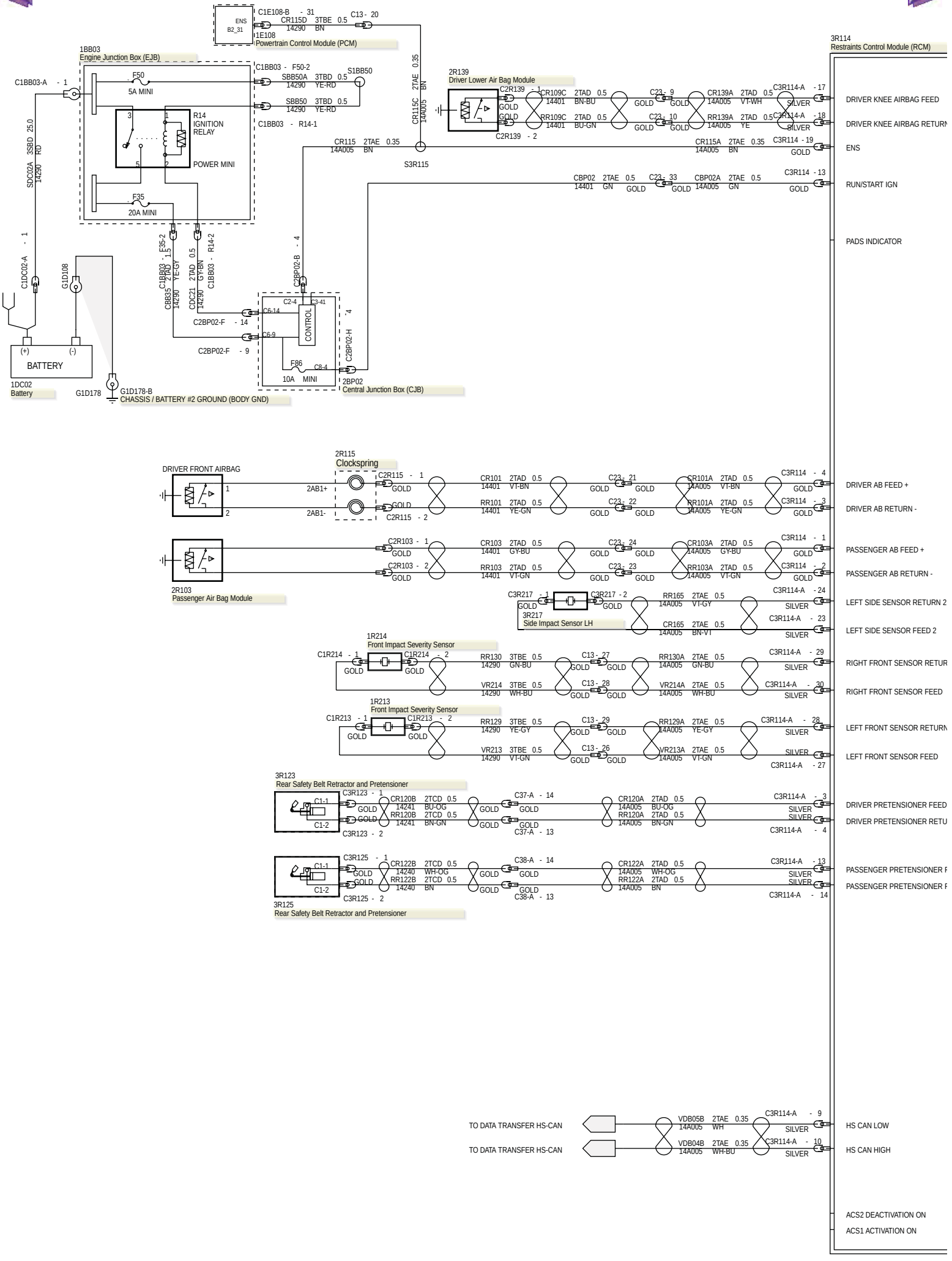
501-20B-11 Air Bags and Safety Belt Pretensioners—Super Cab, LHD 4WD/LHD RWD, Vehicles With: Passenger Air Bag Deactivation Switch

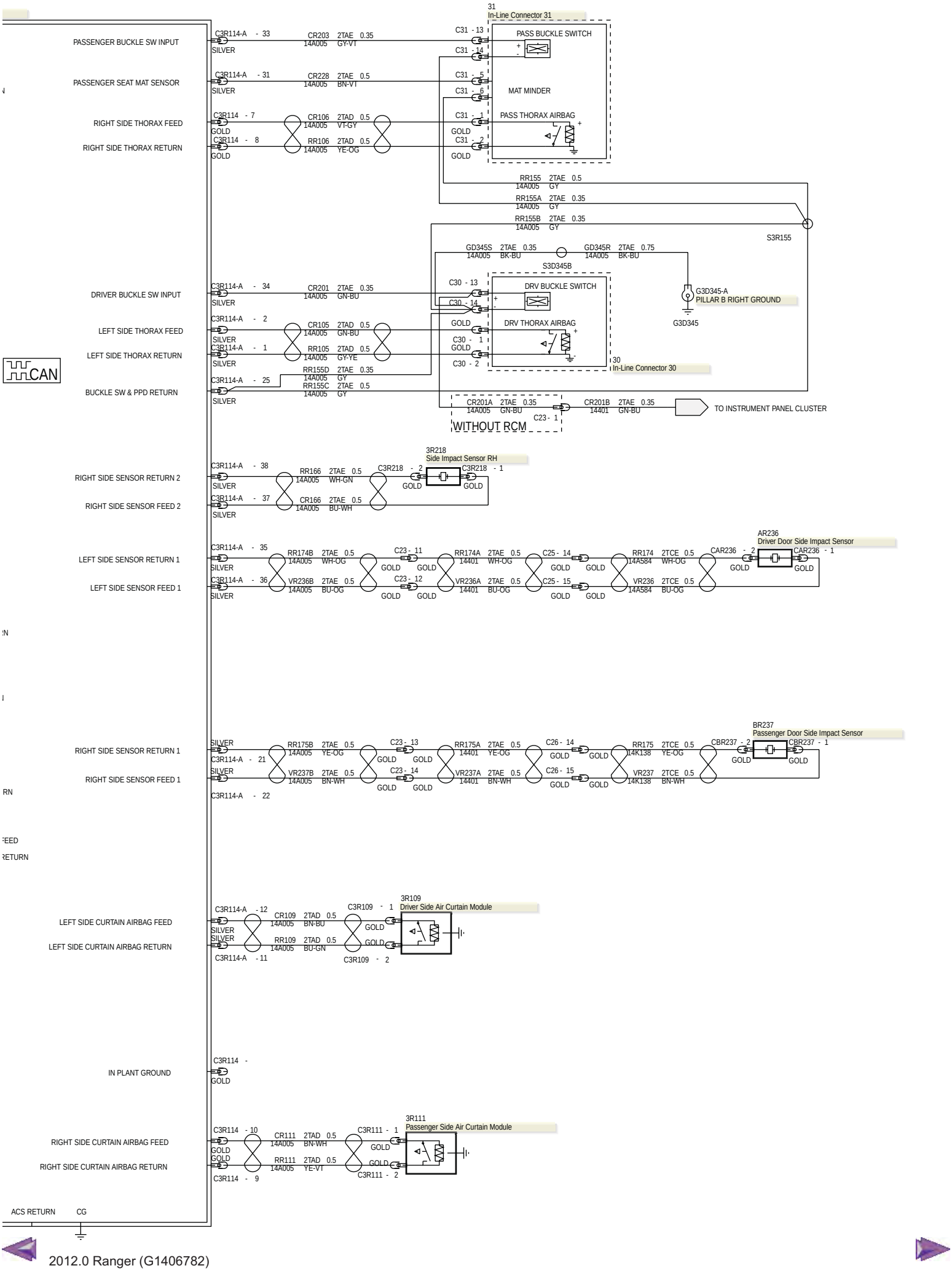


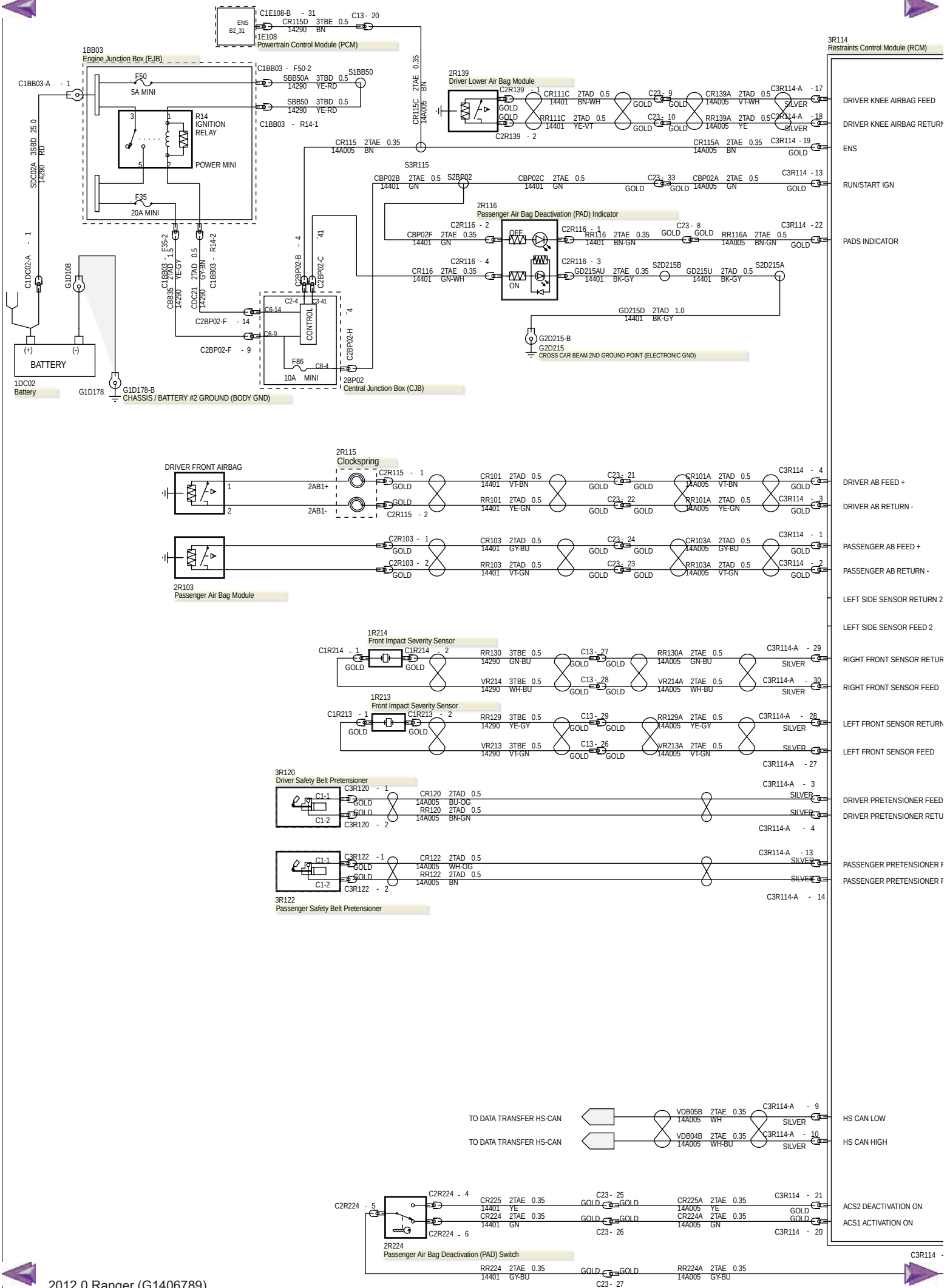
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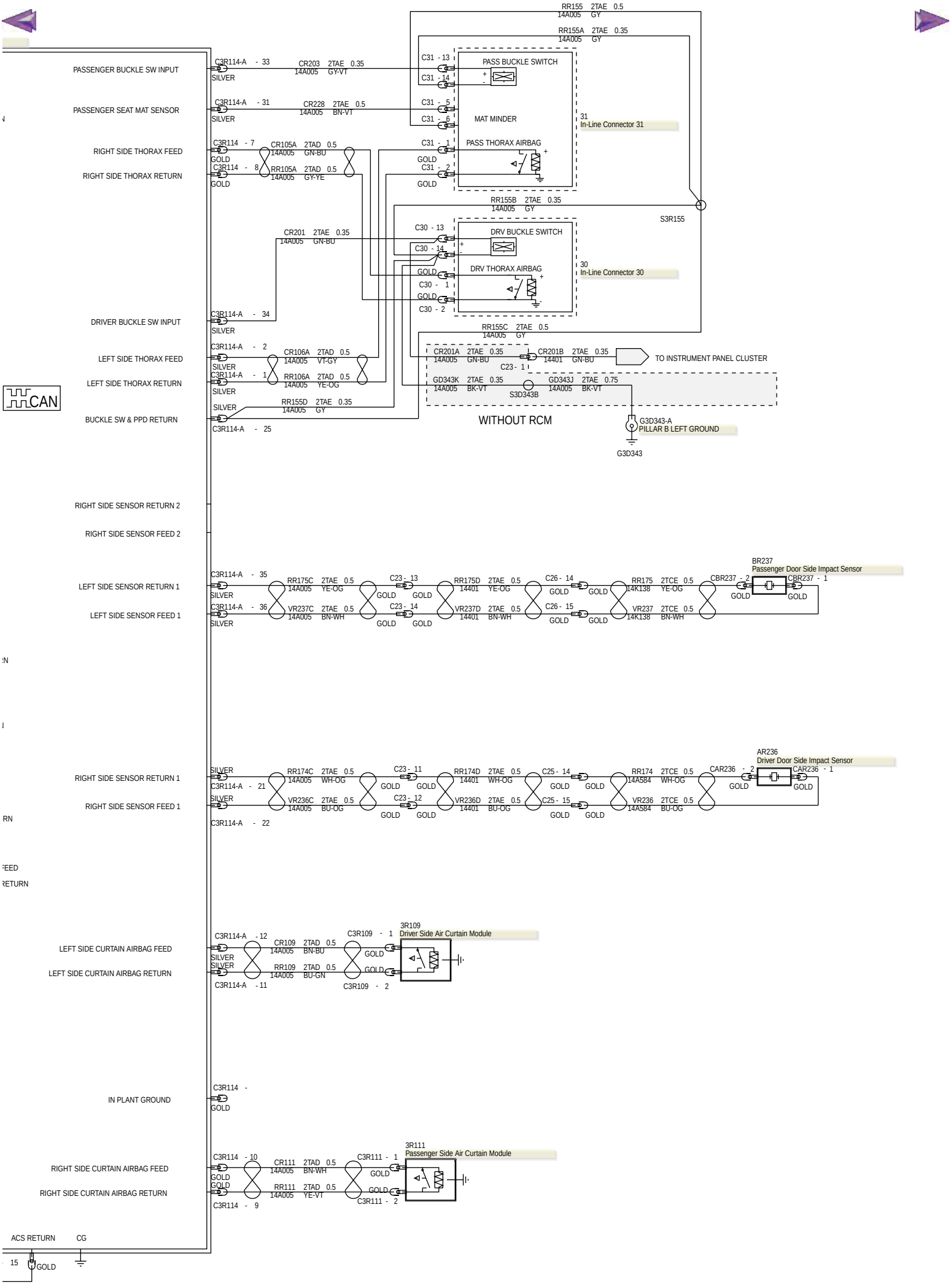


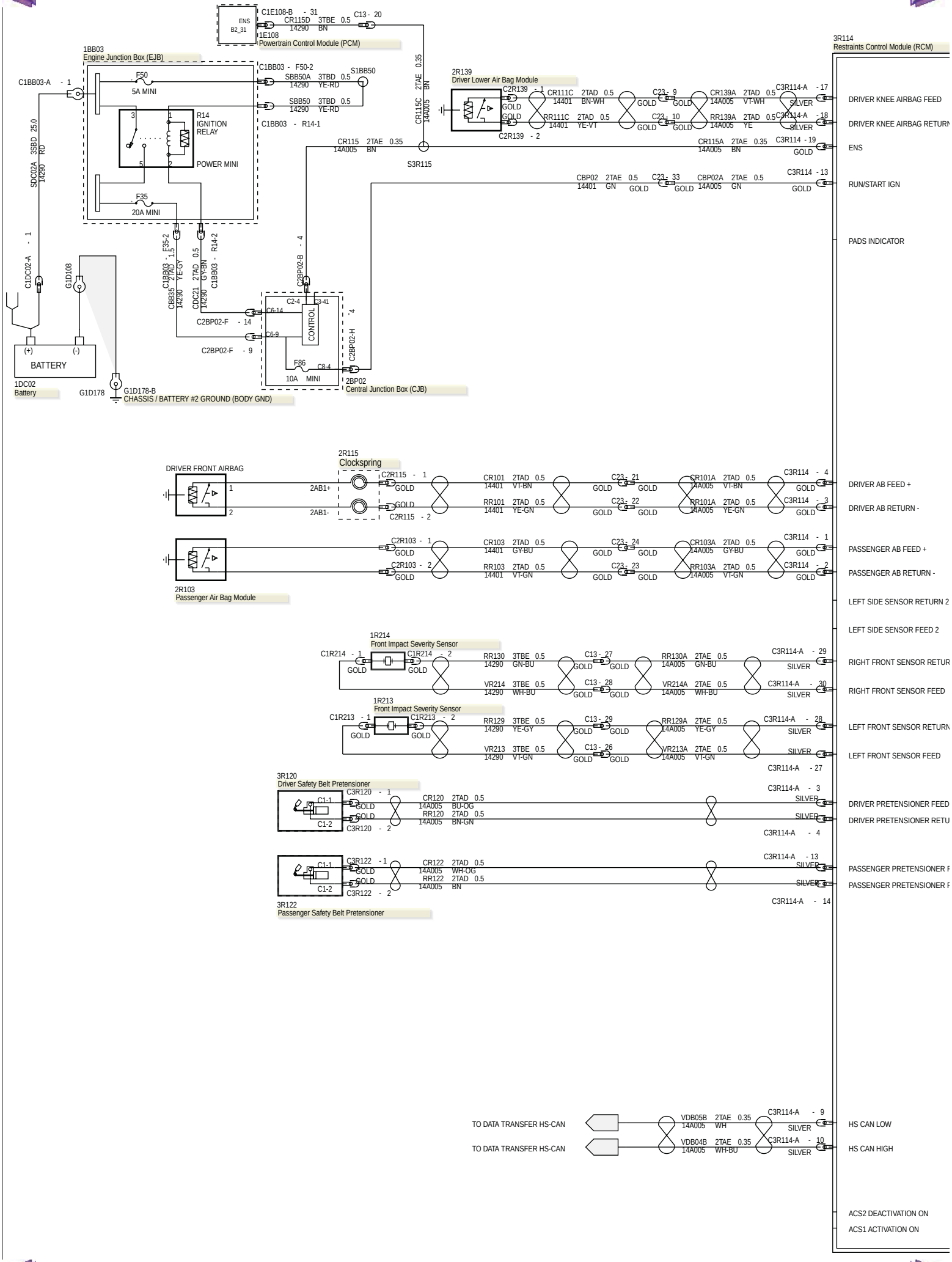
501-20B-13 Air Bags and Safety Belt Pretensioners—Super Cab, LHD 4WD/LHD RWD, Vehicles Without: Passenger Air Bag Deactivation Switch



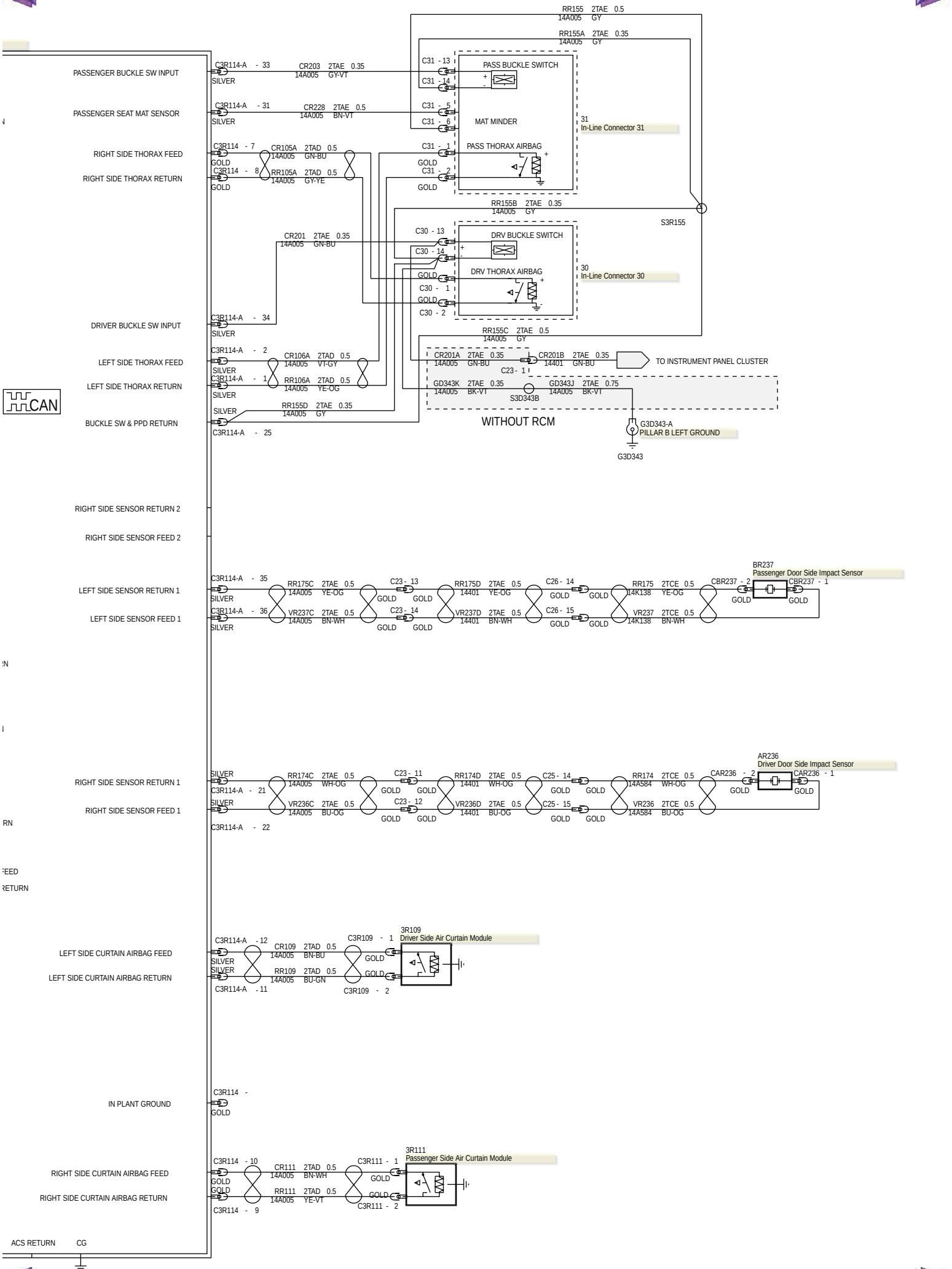

PASSENGER BUCKLE SW INPUT
PASSENGER SEAT MAT SENSOR
RIGHT SIDE THORAX FEED
RIGHT SIDE THORAX RETURN
DRIVER BUCKLE SW INPUT
LEFT SIDE THORAX FEED
LEFT SIDE THORAX RETURN
CAN
BUCKLE SW & PPD RETURN
RIGHT SIDE SENSOR RETURN 2
RIGHT SIDE SENSOR FEED 2
LEFT SIDE SENSOR RETURN 1
LEFT SIDE SENSOR FEED 1
RIGHT SIDE SENSOR RETURN 1
RIGHT SIDE SENSOR FEED 1
LEFT SIDE CURTAIN AIRBAG FEED
LEFT SIDE CURTAIN AIRBAG RETURN
IN PLANT GROUND
RIGHT SIDE CURTAIN AIRBAG FEED
RIGHT SIDE CURTAIN AIRBAG RETURN
ACS RETURN
CG
31
In-Line Connector 31
PASS BUCKLE SWITCH
MAT MINDER
PASS THORAX AIRBAG
S3R155
S3D345B
DRV BUCKLE SWITCH
DRV THORAX AIRBAG
G3D345-A
PILLAR B RIGHT GROUND
G3D345
30
In-Line Connector 30
WITHOUT RCM
TO INSTRUMENT PANEL CLUSTER
3R218
Side Impact Sensor RH
AR236
Driver Door Side Impact Sensor
BR237
Passenger Door Side Impact Sensor
3R109
Driver Side Air Curtain Module
3R111
Passenger Side Air Curtain Module


1E108
Powertrain Control Module (PCM)
1BB03
Engine Junction Box (EJB)
R14
IGNITION RELAY
POWER MINI
5A MINI
20A MINI
2R139
Driver Lower Air Bag Module
3R114
Restraints Control Module (RCM)
DRIVER KNEE AIRBAG FEED
DRIVER KNEE AIRBAG RETURN
ENS
RUN/START IGN
PADS INDICATOR
2R116
Passenger Air Bag Deactivation (PAD) Indicator
OFF
ON
S3R115
S2BP02
S2D215A
S2D215B
1DC02
Battery
BATTERY
G1D178
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
G2D215-B
G2D215
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
2BP02
Central Junction Box (CJB)
CONTROL
2R115
Clockspring
DRIVER FRONT AIRBAG
DRIVER AB FEED +
DRIVER AB RETURN -
2R103
Passenger Air Bag Module
PASSENGER AB FEED +
PASSENGER AB RETURN -
LEFT SIDE SENSOR RETURN 2
LEFT SIDE SENSOR FEED 2
1R214
Front Impact Severity Sensor
RIGHT FRONT SENSOR RETUR
RIGHT FRONT SENSOR FEED
1R213
Front Impact Severity Sensor
LEFT FRONT SENSOR RETURN
LEFT FRONT SENSOR FEED
3R120
Driver Safety Belt Pretensioner
DRIVER PRETENSIONER FEED
DRIVER PRETENSIONER RETU
3R122
Passenger Safety Belt Pretensioner
PASSENGER PRETENSIONER F
PASSENGER PRETENSIONER F
TO DATA TRANSFER HS-CAN
HS CAN LOW
HS CAN HIGH
2R224
Passenger Air Bag Deactivation (PAD) Switch
ACS2 DEACTIVATION ON
ACS1 ACTIVATION ON

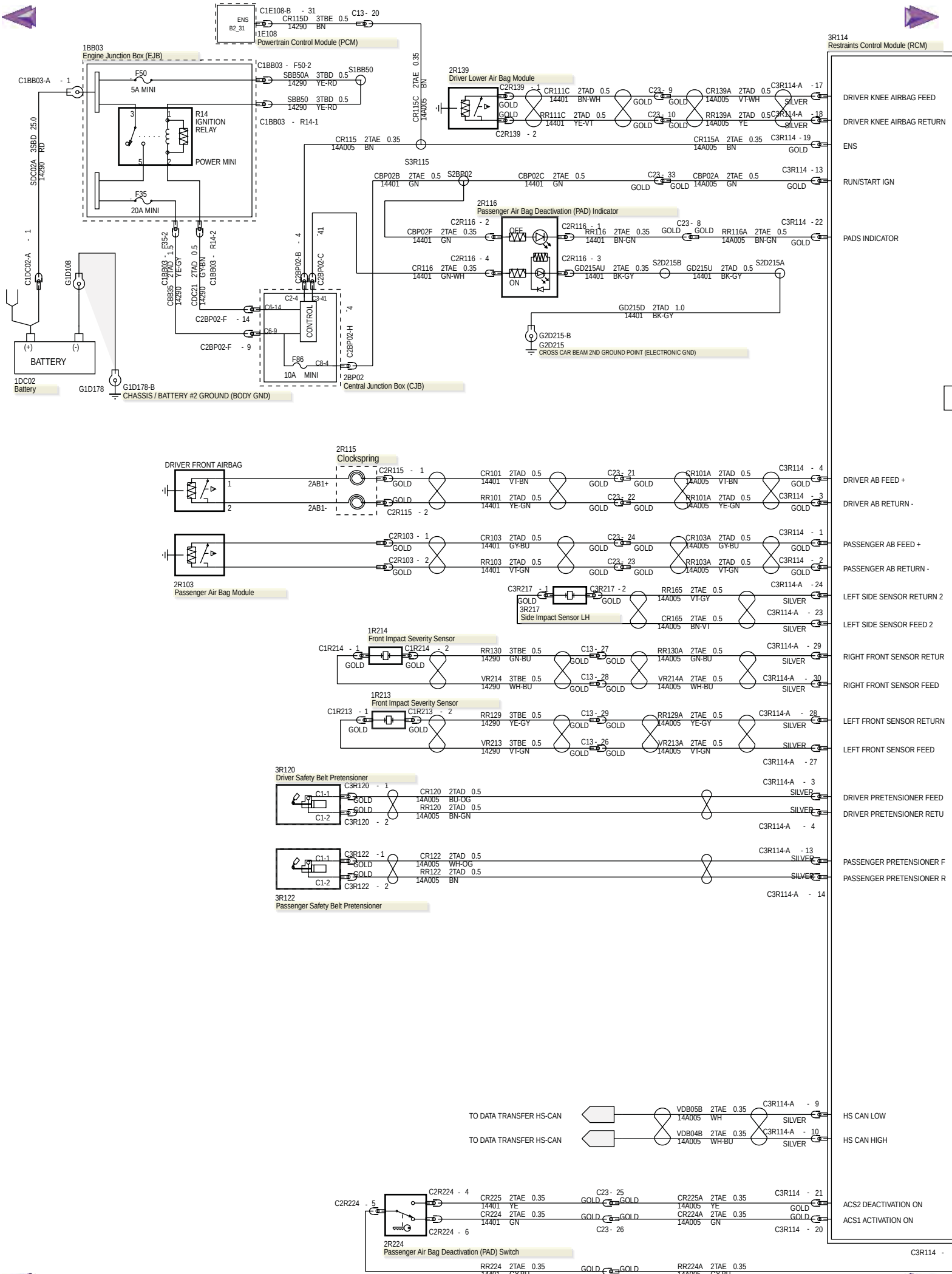

PASSENGER BUCKLE SW INPUT
PASSENGER SEAT MAT SENSOR
RIGHT SIDE THORAX FEED
RIGHT SIDE THORAX RETURN
DRIVER BUCKLE SW INPUT
LEFT SIDE THORAX FEED
LEFT SIDE THORAX RETURN
BUCKLE SW & PPD RETURN
CAN
RIGHT SIDE SENSOR RETURN 2
RIGHT SIDE SENSOR FEED 2
LEFT SIDE SENSOR RETURN 1
LEFT SIDE SENSOR FEED 1
RIGHT SIDE SENSOR RETURN 1
RIGHT SIDE SENSOR FEED 1
LEFT SIDE CURTAIN AIRBAG FEED
LEFT SIDE CURTAIN AIRBAG RETURN
IN PLANT GROUND
RIGHT SIDE CURTAIN AIRBAG FEED
RIGHT SIDE CURTAIN AIRBAG RETURN
ACS RETURN
CG
PASS BUCKLE SWITCH
MAT MINDER
PASS THORAX AIRBAG
31
In-Line Connector 31
DRV BUCKLE SWITCH
DRV THORAX AIRBAG
30
In-Line Connector 30
S3R155
TO INSTRUMENT PANEL CLUSTER
WITHOUT RCM
G3D343-A
PILLAR B LEFT GROUND
G3D343
BR237
Passenger Door Side Impact Sensor
AR236
Driver Door Side Impact Sensor
3R109
Driver Side Air Curtain Module
3R111
Passenger Side Air Curtain Module


C1E108-B - 31
CR115D 3TBE 0.5
14290 BN
C13 - 20
ENS
B2_31
1E108
Powertrain Control Module (PCM)
1BB03
Engine Junction Box (EJB)
C1BB03 - F50-2
SBB50A 3TBD 0.5
14290 YE-RD
S1BB50
SBB50 3TBD 0.5
14290 YE-RD
C1BB03 - R14-1
C1BB03-A - 1
F50
5A MINI
R14
IGNITION
RELAY
POWER MINI
F35
20A MINI
SDC02A 3SBD 25.0
14290 RD
C1DC02-A - 1
G1D108
C1BB03 - F35-2
2TAD 1.5
YE-GY
CBB35
14290
CDC21 2TAD 0.5
14290 GY-BN
C1BB03 - R14-2
C2BP02-B - 4
C2BP02-F - 14
C2BP02-F - 9
C2-4
C3-41
C6-14
C6-9
CONTROL
F86
10A MINI
C8-4
C2BP02-H 4
2BP02
Central Junction Box (CJB)
(+)
(-)
BATTERY
1DC02
Battery
G1D178
G1D178-B
CHASSIS / BATTERY #2 GROUND (BODY GND)
CR115C 2TAE 0.35
14A005 BN
S3R115
CR115 2TAE 0.35
14A005 BN
2R139
Driver Lower Air Bag Module
C2R139 - 1
C2R139 - 2
CR111C 2TAD 0.5
14401 BN-WH
RR111C 2TAD 0.5
14401 YE-VT
C23 - 9
C23 - 10
CR139A 2TAD 0.5
14A005 VT-WH
RR139A 2TAD 0.5
14A005 YE
C3R114-A - 17
C3R114-A - 18
SILVER
CR115A 2TAE 0.35
14A005 BN
C3R114 - 19
CBP02 2TAE 0.5
14401 GN
C23 - 33
CBP02A 2TAE 0.5
14A005 GN
C3R114 - 13
3R114
Restraints Control Module (RCM)
DRIVER KNEE AIRBAG FEED
DRIVER KNEE AIRBAG RETURN
ENS
RUN/START IGN
PADS INDICATOR
DRIVER FRONT AIRBAG
2R115
Clockspring
C2R115 - 1
C2R115 - 2
2AB1+
2AB1-
CR101 2TAD 0.5
14401 VT-BN
RR101 2TAD 0.5
14401 YE-GN
C23 - 21
C23 - 22
CR101A 2TAD 0.5
14A005 VT-BN
RR101A 2TAD 0.5
14A005 YE-GN
C3R114 - 4
C3R114 - 3
DRIVER AB FEED +
DRIVER AB RETURN -
C2R103 - 1
C2R103 - 2
CR103 2TAD 0.5
14401 GY-BU
RR103 2TAD 0.5
14401 VT-GN
C23 - 24
C23 - 23
CR103A 2TAD 0.5
14A005 GY-BU
RR103A 2TAD 0.5
14A005 VT-GN
C3R114 - 1
C3R114 - 2
PASSENGER AB FEED +
PASSENGER AB RETURN -
2R103
Passenger Air Bag Module
LEFT SIDE SENSOR RETURN 2
LEFT SIDE SENSOR FEED 2
1R214
Front Impact Severity Sensor
C1R214 - 1
C1R214 - 2
RR130 3TBE 0.5
14290 GN-BU
VR214 3TBE 0.5
14290 WH-BU
C13 - 27
C13 - 28
RR130A 2TAE 0.5
14A005 GN-BU
VR214A 2TAE 0.5
14A005 WH-BU
C3R114-A - 29
C3R114-A - 30
RIGHT FRONT SENSOR RETUR
RIGHT FRONT SENSOR FEED
1R213
Front Impact Severity Sensor
C1R213 - 1
C1R213 - 2
RR129 3TBE 0.5
14290 YE-GY
VR213 3TBE 0.5
14290 VT-GN
C13 - 29
C13 - 26
RR129A 2TAE 0.5
14A005 YE-GY
VR213A 2TAE 0.5
14A005 VT-GN
C3R114-A - 28
C3R114-A - 27
LEFT FRONT SENSOR RETURN
LEFT FRONT SENSOR FEED
3R120
Driver Safety Belt Pretensioner
C3R120 - 1
C3R120 - 2
C1-1
C1-2
CR120 2TAD 0.5
14A005 BU-OG
RR120 2TAD 0.5
14A005 BN-GN
C3R114-A - 3
C3R114-A - 4
DRIVER PRETENSIONER FEED
DRIVER PRETENSIONER RETU
C3R122 - 1
C3R122 - 2
CR122 2TAD 0.5
14A005 WH-OG
RR122 2TAD 0.5
14A005 BN
C3R114-A - 13
C3R114-A - 14
3R122
Passenger Safety Belt Pretensioner
PASSENGER PRETENSIONER F
PASSENGER PRETENSIONER F
TO DATA TRANSFER HS-CAN
TO DATA TRANSFER HS-CAN
VDB05B 2TAE 0.35
14A005 WH
VDB04B 2TAE 0.35
14A005 WH-BU
C3R114-A - 9
C3R114-A - 10
HS CAN LOW
HS CAN HIGH
ACS2 DEACTIVATION ON
ACS1 ACTIVATION ON

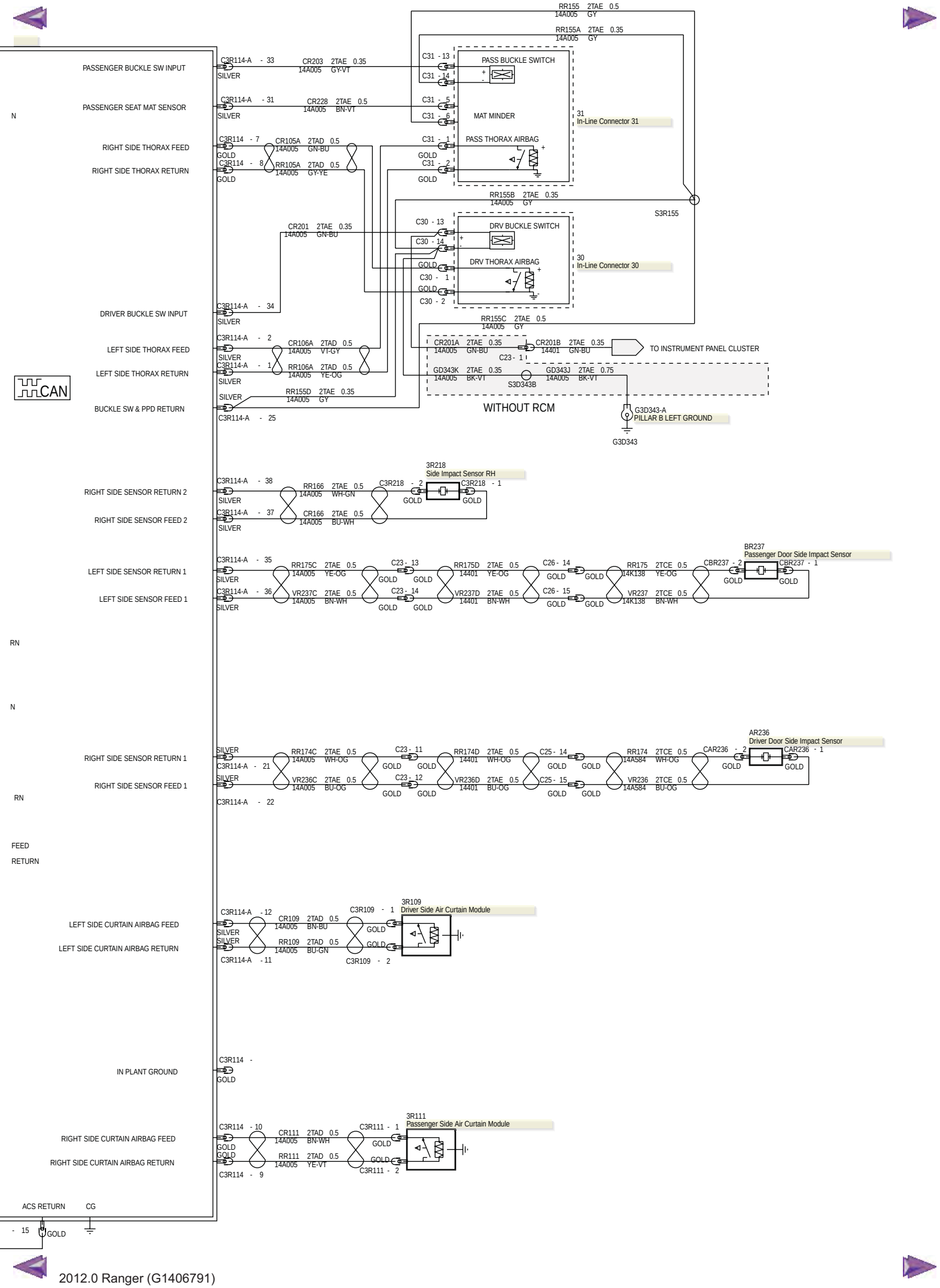
501-20B-18 Air Bags and Safety Belt Pretensioners—Single Cab, RHD 4WD/RHD RWD, Vehicles Without: Passenger Air Bag Deactivation Switch



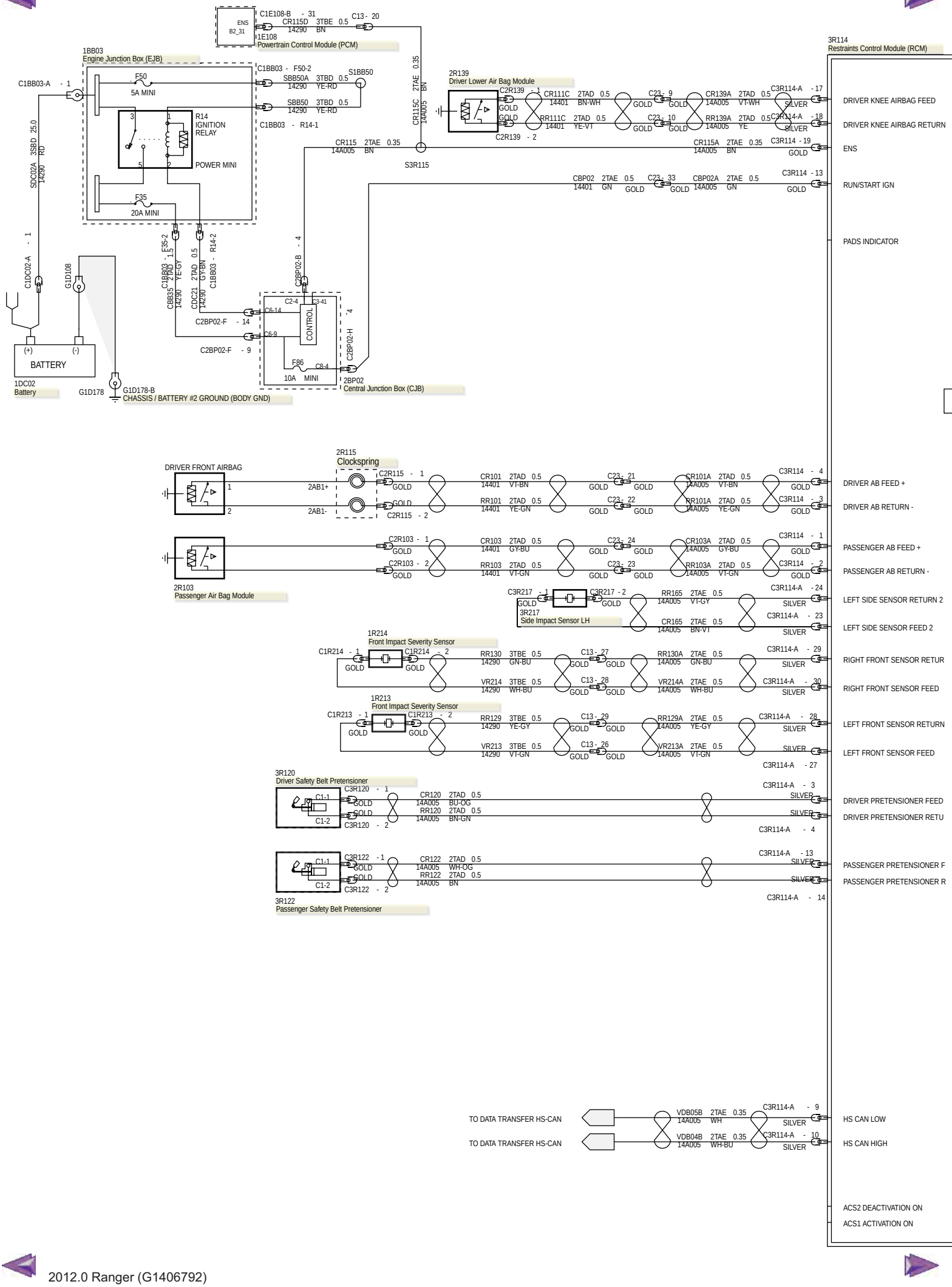
501-20B-19 Air Bags and Safety Belt Pretensioners—Double Cab, RHD 4WD/RHD RWD, Vehicles With: Passenger Air Bag Deactivation Switch



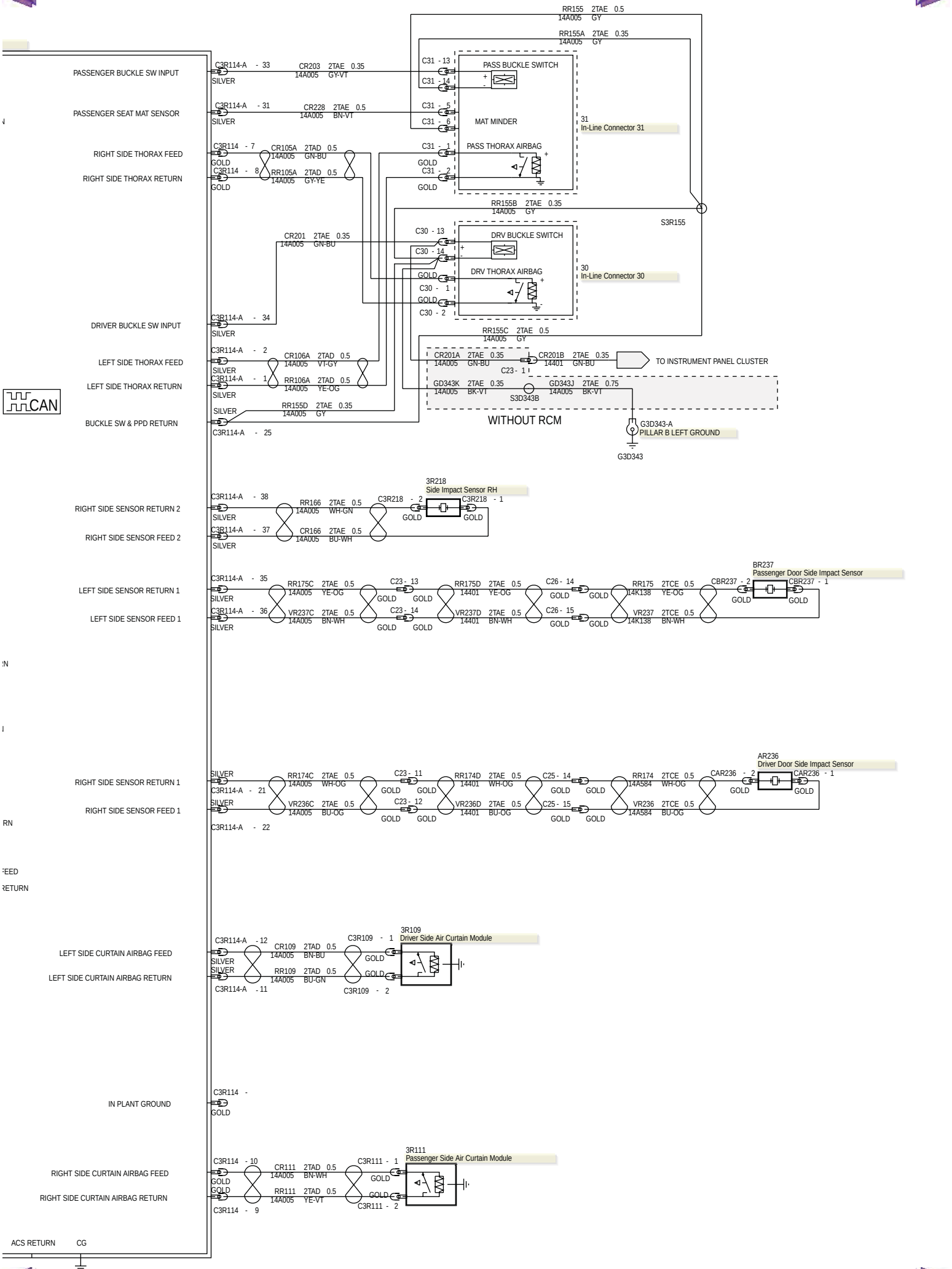
501-20B-20 Air Bags and Safety Belt Pretensioners—Double Cab, RHD 4WD/RHD RWD, Vehicles With: Passenger Air Bag Deactivation Switch



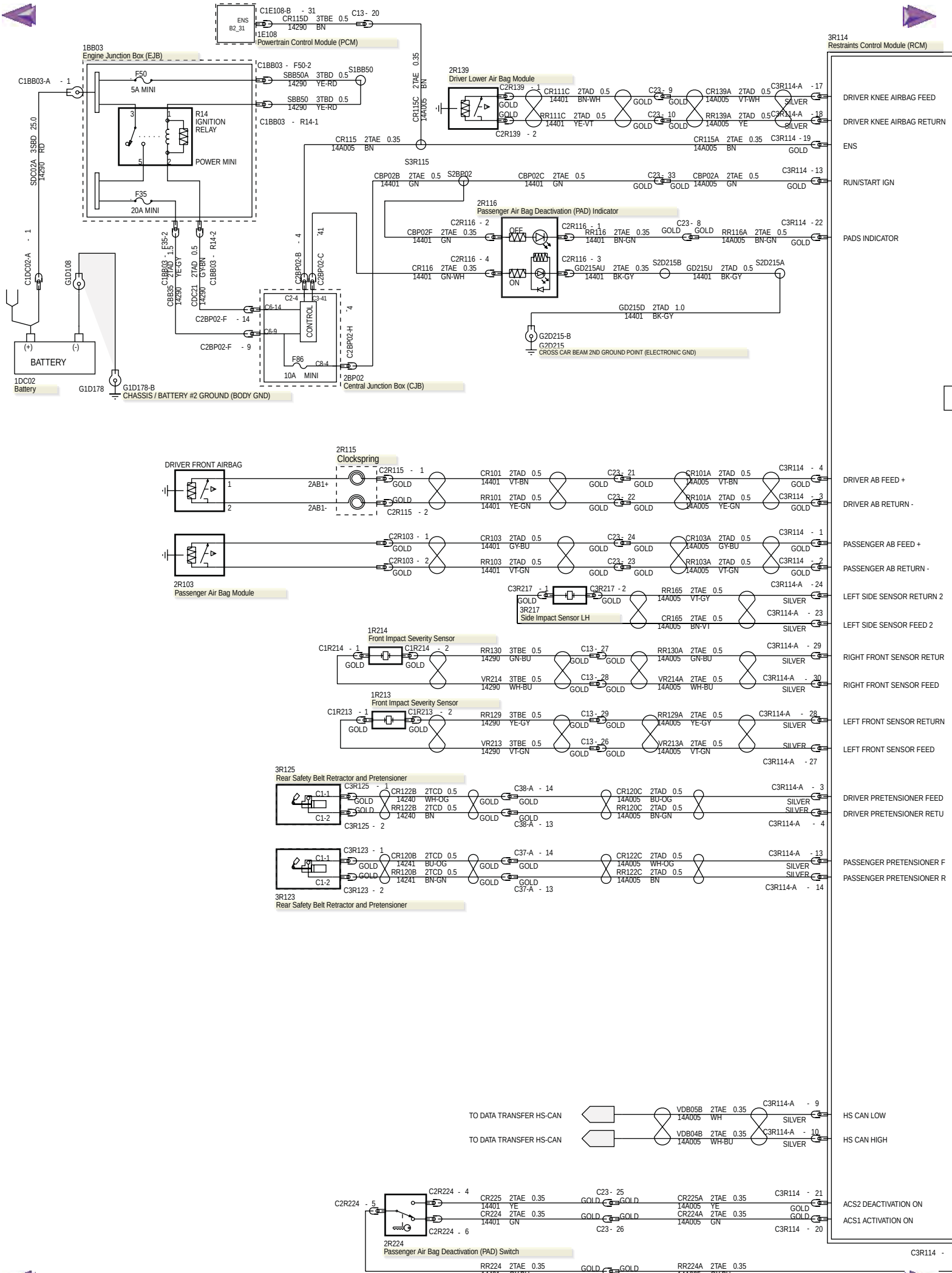
501-20B-21 Air Bags and Safety Belt Pretensioners—Double Cab, RHD 4WD/RHD RWD, Vehicles Without: Passenger Air Bag Deactivation Switch



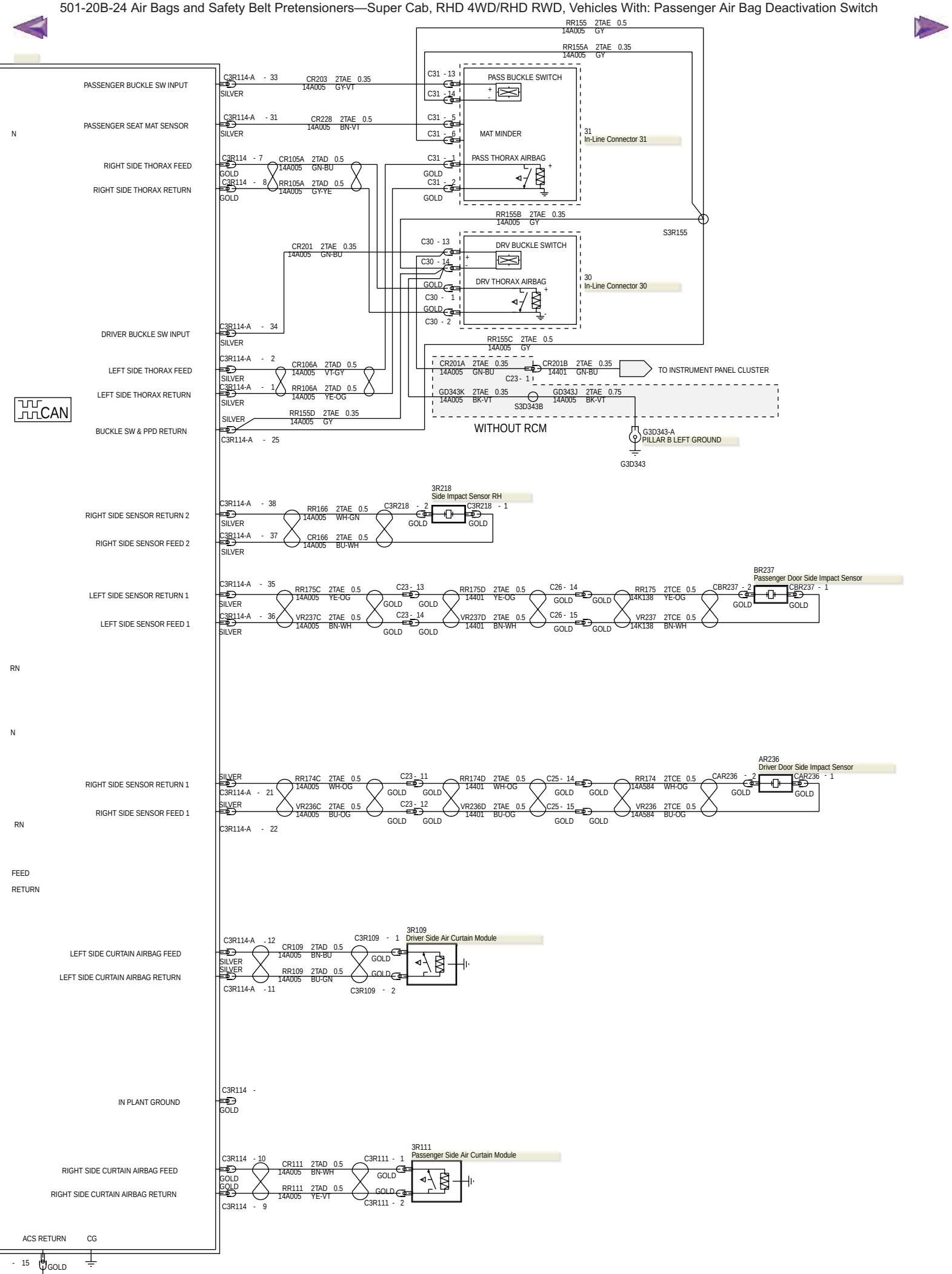
501-20B-22 Air Bags and Safety Belt Pretensioners—Double Cab, RHD 4WD/RHD RWD, Vehicles Without: Passenger Air Bag Deactivation Switch



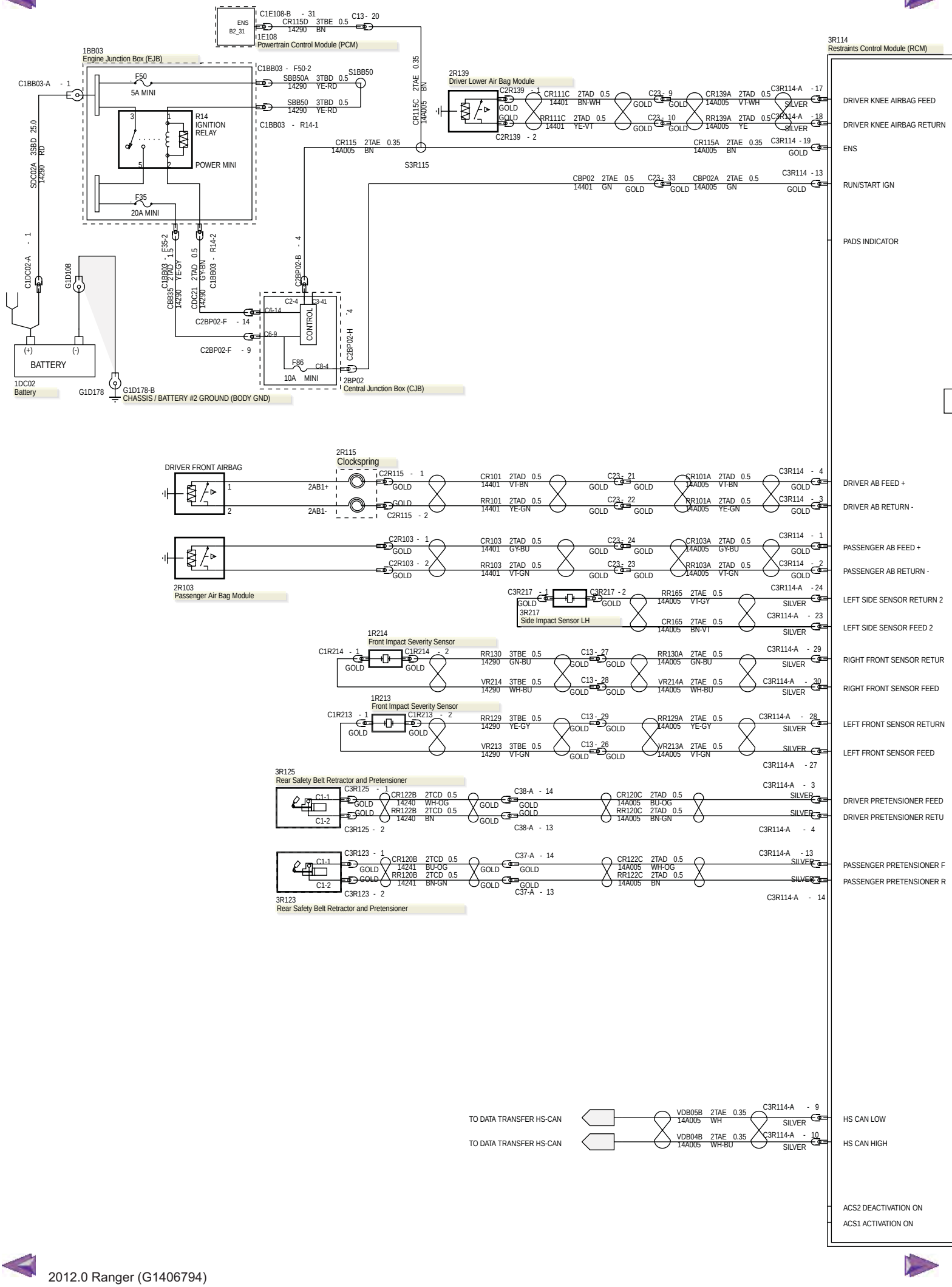
501-20B-23 Air Bags and Safety Belt Pretensioners—Super Cab, RHD 4WD/RHD RWD, Vehicles With: Passenger Air Bag Deactivation Switch



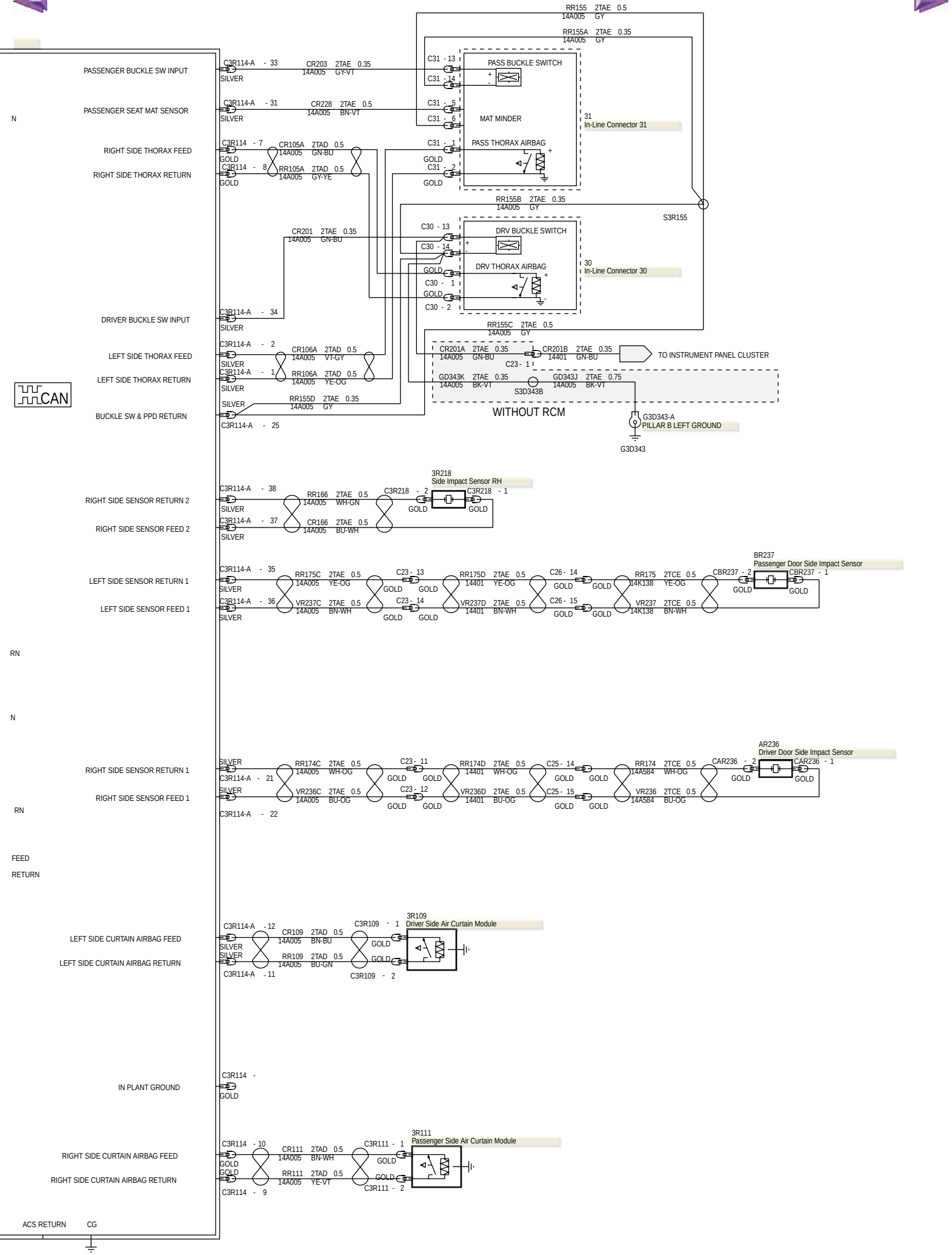
501-20B-24 Air Bags and Safety Belt Pretensioners—Super Cab, RHD 4WD/RHD RWD, Vehicles With: Passenger Air Bag Deactivation Switch



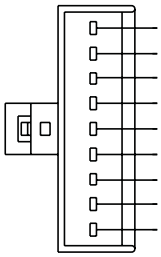
501-20B-25 Air Bags and Safety Belt Pretensioners—Super Cab, RHD 4WD/RHD RWD, Vehicles Without: Passenger Air Bag Deactivation Switch



501-20B-26 Air Bags and Safety Belt Pretensioners—Super Cab, RHD 4WD/RHD RWD, Vehicles Without: Passenger Air Bag Deactivation Switch



Clockspring (G1404843)



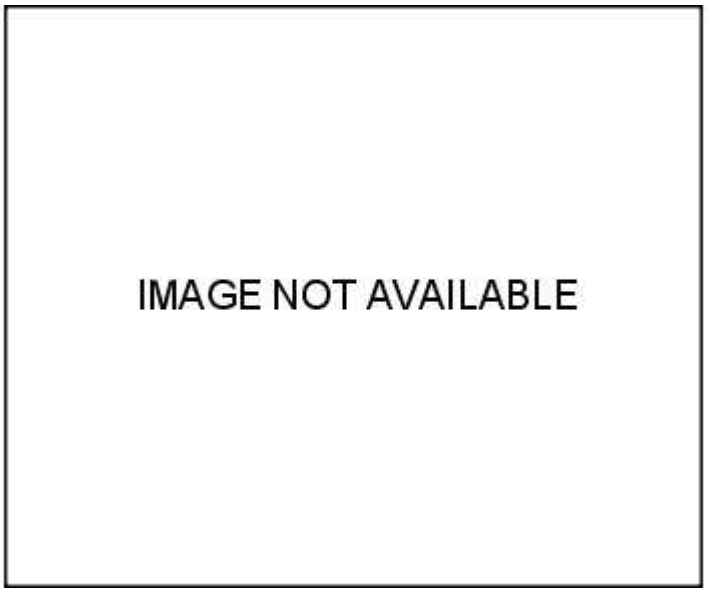
1	CR101	VT-BN	2TAD	0.5	
2	RR101	YE-GN	2TAD	0.5	
3	GD214C	BK-BU	2TAD	0.35	
4	VME14	GY-YE	2TAD	0.35	
5	CLN17B	BN	2TAD	0.35	
6	RME15	GY-BU	2TAD	0.35	
7	CRH03	BN	2TAD	0.35	
8	RES08	GN-BN	2TAD	0.35	
9	VES10	WH	2TAD	0.35	

1S7T-14489-YA

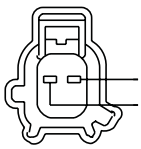
C2R115
TO CLOCKSPRING

HARNESS 14401

Clockspring—A (G1404844)



Driver Door Side Impact Sensor (G1414600)



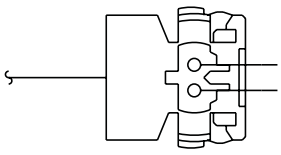
1	VR236	BU-OG	2TCE	0.5	GOLD
2	RR174	WH-OG	2TCE	0.5	GOLD

1L2T-14A464-AA

CAR236
TO PERIPHERAL PRESSURE SENSOR DRIVER SIDE

HARNESS 14A584

Driver Lower Air Bag Module (G1404860)



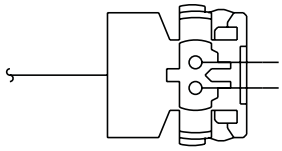
2	RR111C	YE-VT	2TAD	0.5	+	RR109C	BU-GN	2TAD	0.5	GOLD
1	CR111C	BN-WH	2TAD	0.5	+	CR109C	BN-BU	2TAD	0.5	GOLD

8U5T-14A464-EA

C2R139
TO DRIVER KNEE AIRBAG

HARNESS 14401

Driver Side Air Curtain Module (G1404865)



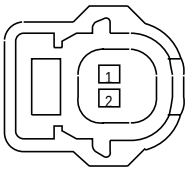
2 RR109 BU-GN 2TAD 0.5 GOLD
1 CR109 BN-BU 2TAD 0.5 GOLD

8U5T-14A464-EA

C3R109
TO LEFT SIDE CURTAIN AIRBAG

HARNESS 14A005

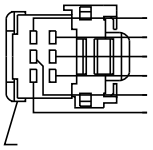
Front Impact Severity Sensor (G1404866)



1 VR213 VT-GN 3TBE 0.5 GOLD
2 RR129 YE-GY 3TBE 0.5 GOLD

9A8T-14A464-DA
C1R213
TO PERIPHERAL CRASH SENSOR FRONT LEFT
HARNESS 14290

Passenger Air Bag Deactivation (PAD) Indicator (G1404867)



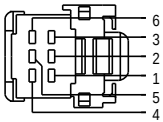
6
3 GD215AU BK-GY 2TAD 0.35
2 CBP02F GN 2TAD 0.35
1 RR116 BN-GN 2TAD 0.35
5
4 CR116 GN-WH 2TAD 0.35

4S7T-14489-DA
C2R116
TO PADS INDICATOR (FORD)
HARNESS 14401

Passenger Air Bag Deactivation (PAD) Indicator—A (G1404868)

IMAGE NOT AVAILABLE

Passenger Air Bag Deactivation (PAD) Switch (G1404876)



6 CR224 GN 2TAE 0.35
3
2
1
5 RR224 GY-BU 2TAE 0.35
4 CR225 YE 2TAE 0.35

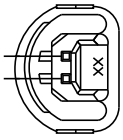
2S6T-14489-GA

C2R224
TO PASSENGER AIRBAG DEACTIVATION SWITCH

HARNESS 14401

Passenger Air Bag Module (G1404877)

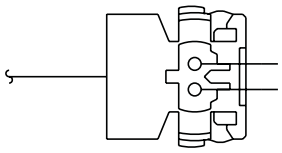
CR103 GY-BU 2TAE 0.5 GOLD 1
RR103 VT-GN 2TAE 0.5 GOLD 2



3218500B6
C2R103
TO PASSENGER FRONT AIRBAG

HARNESS 14401

Passenger Side Air Curtain Module (G1404878)



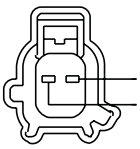
2 RR111 YE-VT 2TAD 0.5 GOLD
1 CR111 BN-WH 2TAD 0.5 GOLD

8U5T-14A464-EA

C3R111
TO RIGHT SIDE CURTAIN AIRBAG

HARNESS 14A005

Passenger Door Side Impact Sensor (G1408833)



1 VR237 BN-WH 2TCE 0.5 GOLD
2 RR175 YE-OG 2TCE 0.5 GOLD

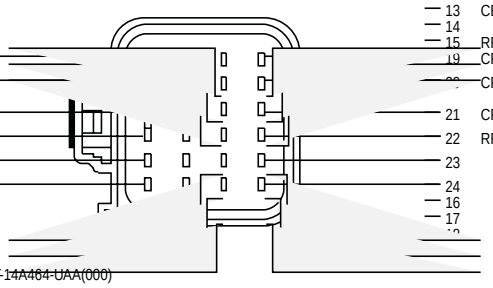
1L2T-14A464-AA

CBR237
TO PERIPHERAL PRESSURE SENSOR PASSENGER SIDE

HARNESS 14K138

Restraints Control Module (RCM) (G1404879)

CR106	VT-GY	2TAD	0.5	+	CR105A	GN-BU	2TAD	0.5	GOLD	7
RR106	YE-OG	2TAD	0.5	+	RR105A	GY-YE	2TAD	0.5	GOLD	8
					RR111	YE-VT	2TAD	0.5	GOLD	9
					CR103A	GY-BU	2TAD	0.5	GOLD	1
					RR103A	VT-GN	2TAD	0.5	GOLD	2
					RR101A	YE-GN	2TAD	0.5	GOLD	3
					CR101A	VT-BN	2TAD	0.5	GOLD	4
										5
										6
					CR111	BN-WH	2TAD	0.5	GOLD	10
										11
										12



13	CBP02A	GN	2TAE	0.5	GOLD					
14										
15	RR224A	GY-BU	2TAE	0.35	GOLD					
19	CR115A	BN	2TAE	0.35	GOLD					
	CR224A	GN	2TAE	0.35	GOLD					
21	CR225A	YE	2TAE	0.35	GOLD					
22	RR116A	BN-GN	2TAE	0.5	GOLD					
23										
24										
16										
17										

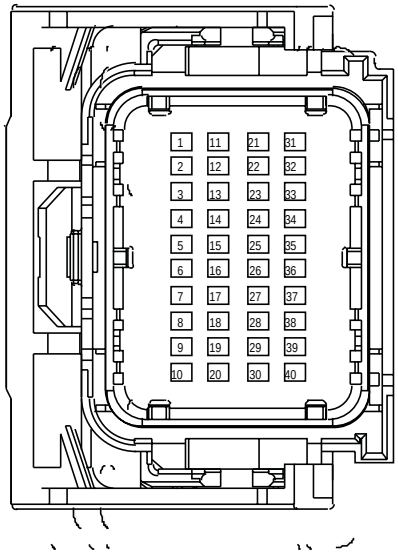
8U5T-14A464-UAA(000)

C3R114

TO RESTRAINTS CONTROL SYSTEM 1

HARNESS 14A005

Restraints Control Module (RCM)—A (G1404880)



1	RR106A	YE-OG	2TAD	0.5	+	RR105	GY-YE	2TAD	0.5	SILVER
2	CR106A	VT-GY	2TAD	0.5	+	CR105	GN-BU	2TAD	0.5	SILVER
3	CR120A	BU-OG	2TAD	0.5	+	CR120C	BU-OG	2TAD	0.5	SILVER
4	RR120A	BN-GN	2TAD	0.5	+	RR120C	BN-GN	2TAD	0.5	SILVER
5										
6										
7										
8										
9	VDB05B	WH	2TAE	0.35			SILVER			
10	VDB04B	WH-BU	2TAE	0.35			SILVER			
11	RR109	BU-GN	2TAD	0.5			SILVER			
12	CR109	BN-BU	2TAD	0.5			SILVER			
13	CR122C	WH-OG	2TAD	0.5	+	CR122A	WH-OG	2TAD	0.5	SILVER
14	RR122C	BN	2TAD	0.5	+	RR122A	BN	2TAD	0.5	SILVER
15										
16										
17	CR139A	VT-WH	2TAD	0.5			SILVER			
18	RR139A	YE	2TAD	0.5			SILVER			
19										
20										
21	RR174C	WH-OG	2TAE	0.5	+	RR175B	YE-OG	2TAE	0.5	SILVER
22	VR236C	BU-OG	2TAE	0.5	+	VR237B	BN-WH	2TAE	0.5	SILVER
23	CR165	BN-VT	2TAE	0.5			SILVER			
24	RR165	VT-GY	2TAE	0.5			SILVER			
25	RR155C	GY	2TAE	0.5	+	RR155D	GY	2TAE	0.35	SILVER
26										
27	VR213A	VT-GN	2TAE	0.5			SILVER			
28	RR129A	YE-GY	2TAE	0.5			SILVER			
29	RR130A	GN-BU	2TAE	0.5			SILVER			
30	VR214A	WH-BU	2TAE	0.5			SILVER			
31	CR228	BN-VT	2TAE	0.5			SILVER			
32										
33	CR203	GY-VT	2TAE	0.35			SILVER			
34	CR201	GN-BU	2TAE	0.35			SILVER			
35	RR175C	YE-OG	2TAE	0.5	+	RR174B	WH-OG	2TAE	0.5	SILVER
36	VR237C	BN-WH	2TAE	0.5	+	VR236B	BU-OG	2TAE	0.5	SILVER
37	CR166	BU-WH	2TAE	0.5			SILVER			
38	RR166	WH-GN	2TAE	0.5			SILVER			
39										
40										

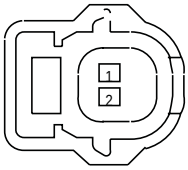
9U5T-14A464-DAA(000)

C3R114-A

TO RESTRAINTS CONTROL SYSTEM 2

HARNESS 14A005

Side Impact Sensor LH (G1404881)



1	CR165	BN-VT	2TAE	0.5	GOLD
2	RR165	VT-GY	2TAE	0.5	GOLD

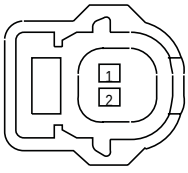
9A8T-14A464-DA

C3R217

TO PERIPHERAL CRASH SENSOR LEFT SIDE

HARNESS 14A005

Side Impact Sensor RH (G1404882)



1	CR166	BU-WH	2TAE	0.5	GOLD
2	RR166	WH-GN	2TAE	0.5	GOLD

9A8T-14A464-DA

C3R218

TO PERIPHERAL CRASH SENSOR RIGHT SIDE

HARNESS 14A005

GROUP

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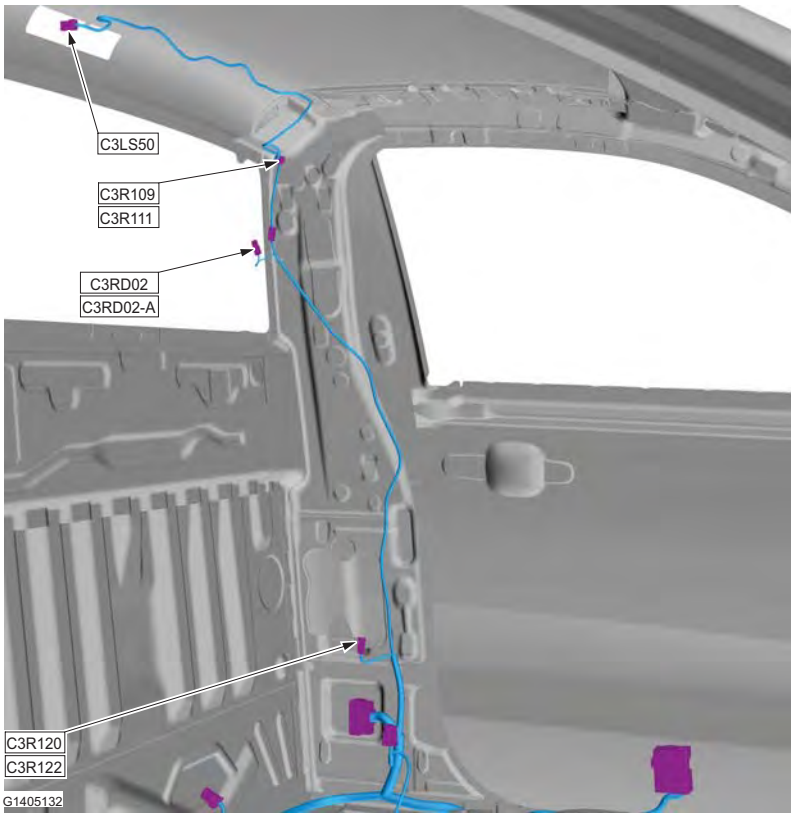
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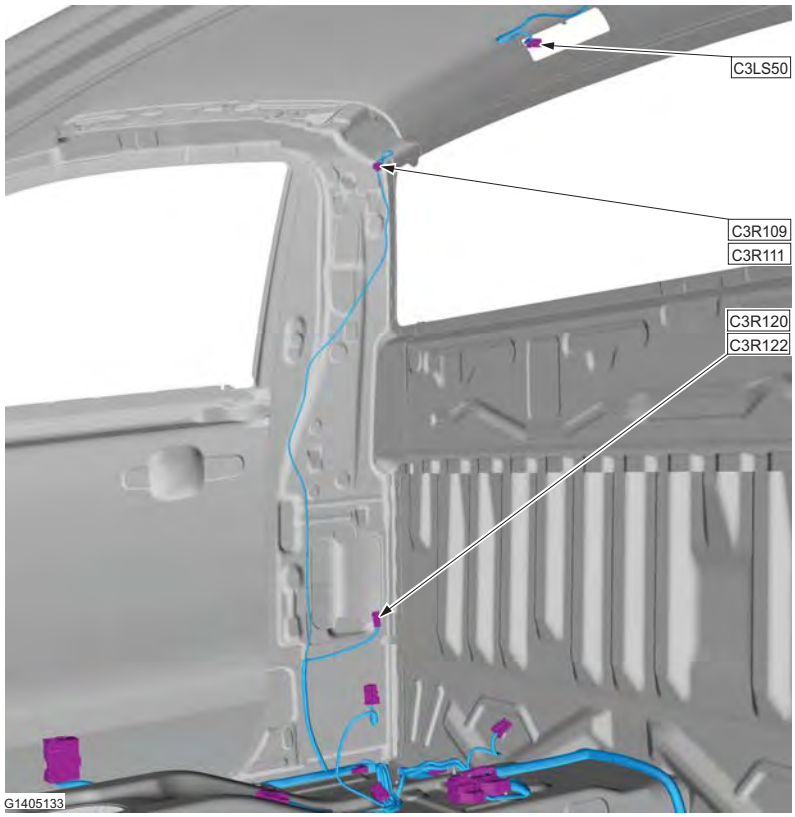
COMPONENT LOCATION

B-Pillar LH - Single Cab



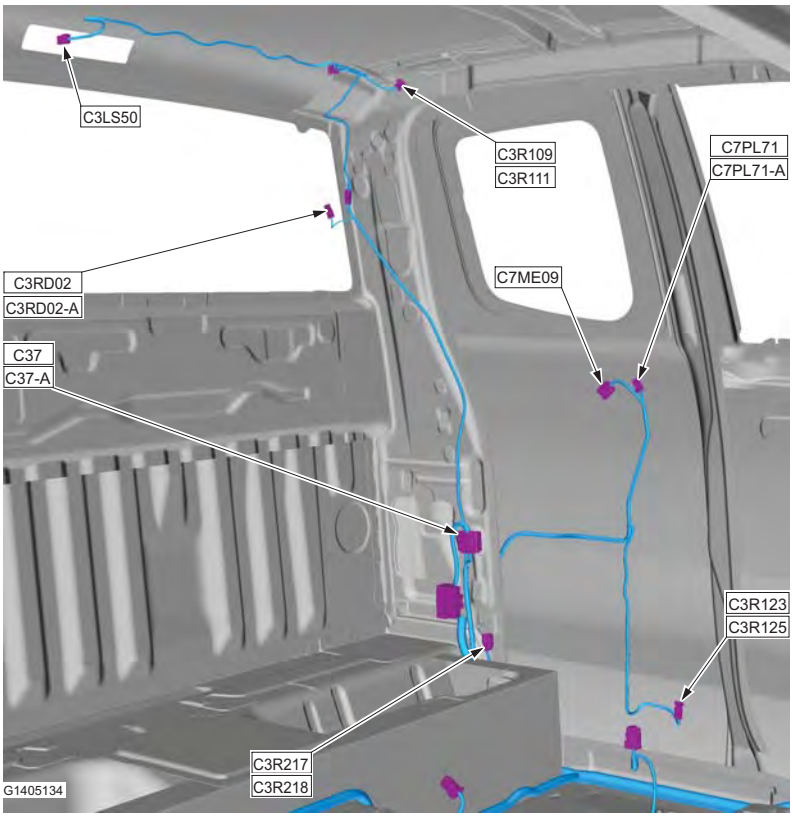
COMPONENT LOCATION

B-Pillar RH - Single Cab



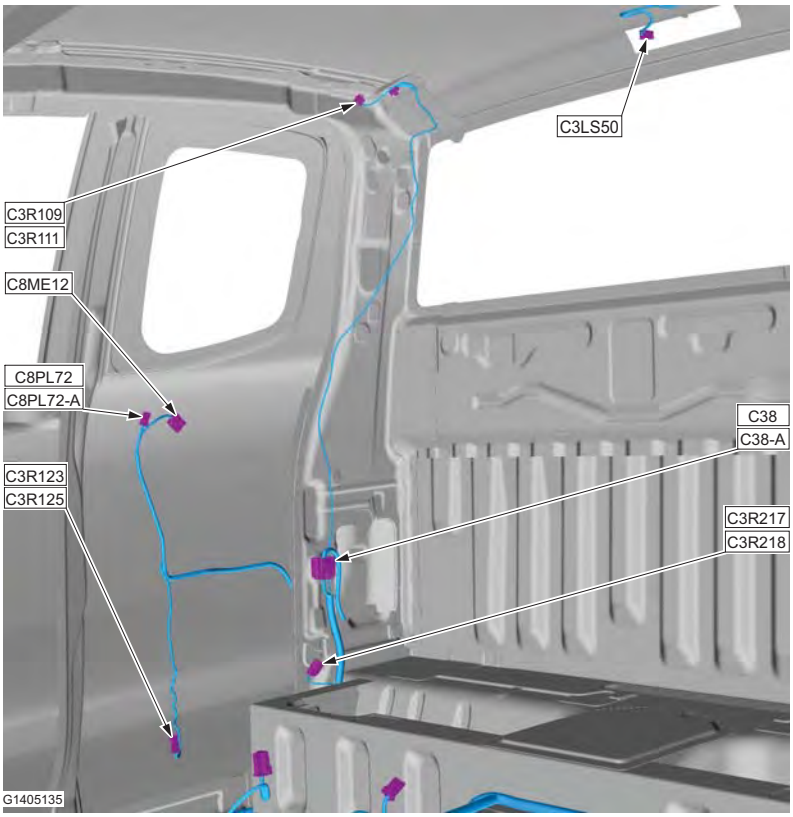
COMPONENT LOCATION

B-Pillar LH - Super Cab



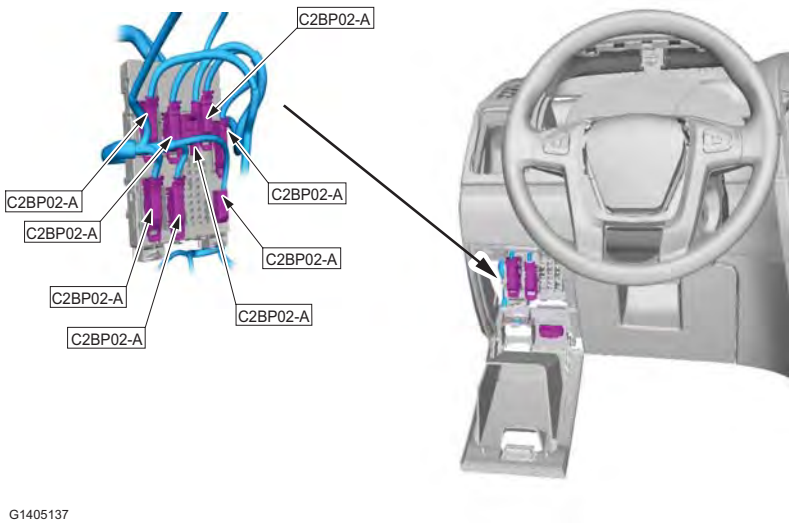
COMPONENT LOCATION

B-Pillar RH - Super Cab



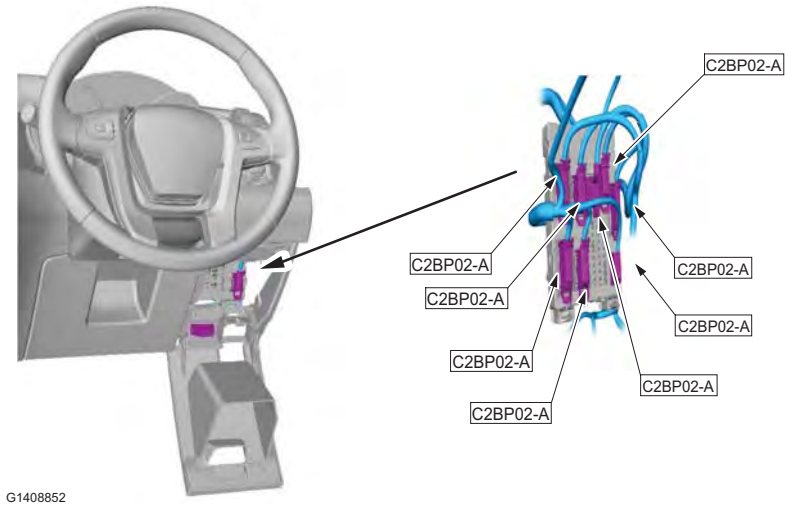
COMPONENT LOCATION

Central Junction Box (CJB) - LHD



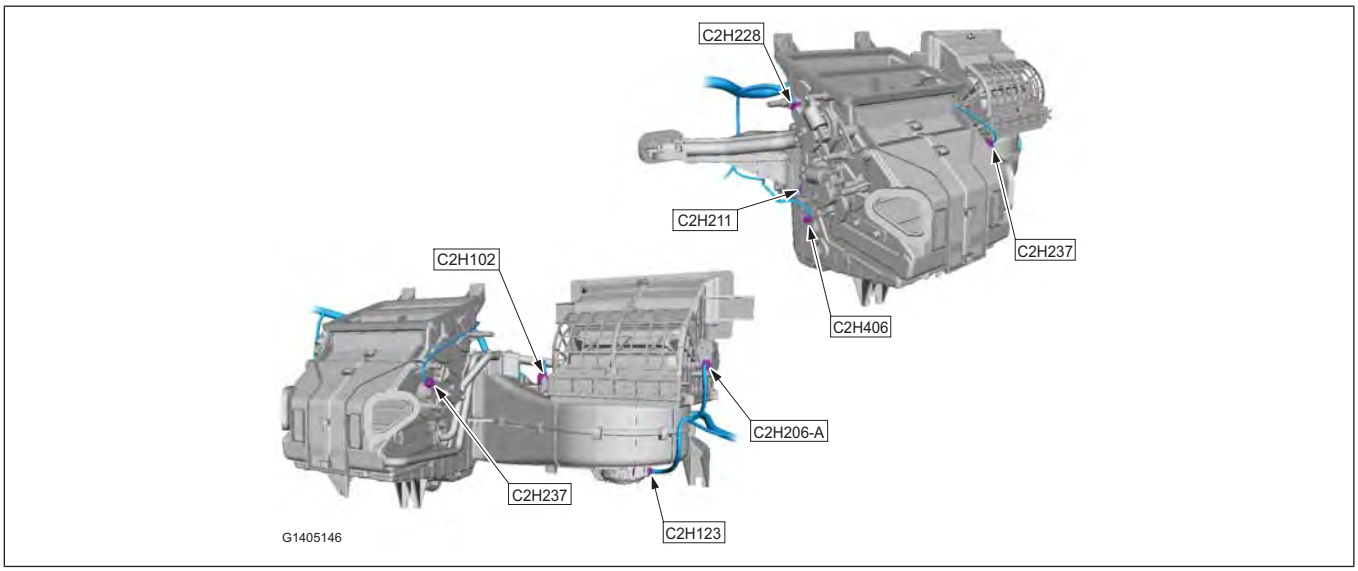
COMPONENT LOCATION

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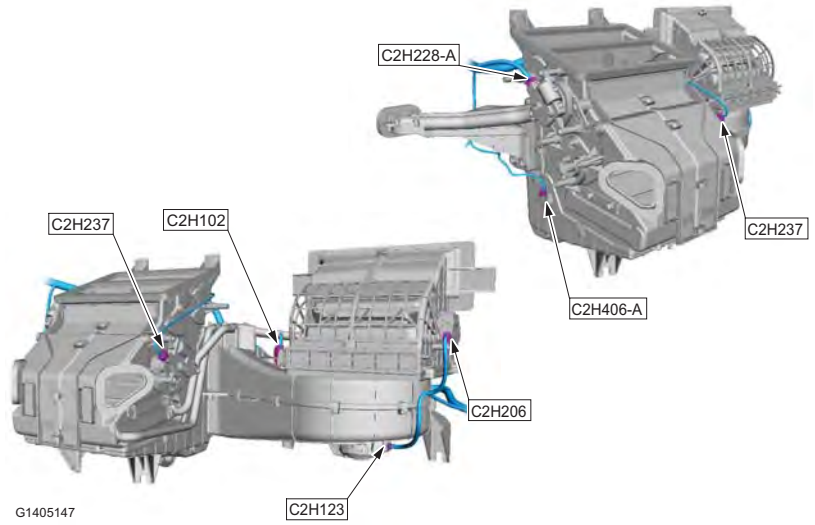
COMPONENT LOCATION

Climate Control Assembly - Vehicles With: Dual Automatic Temperature Control, LHD



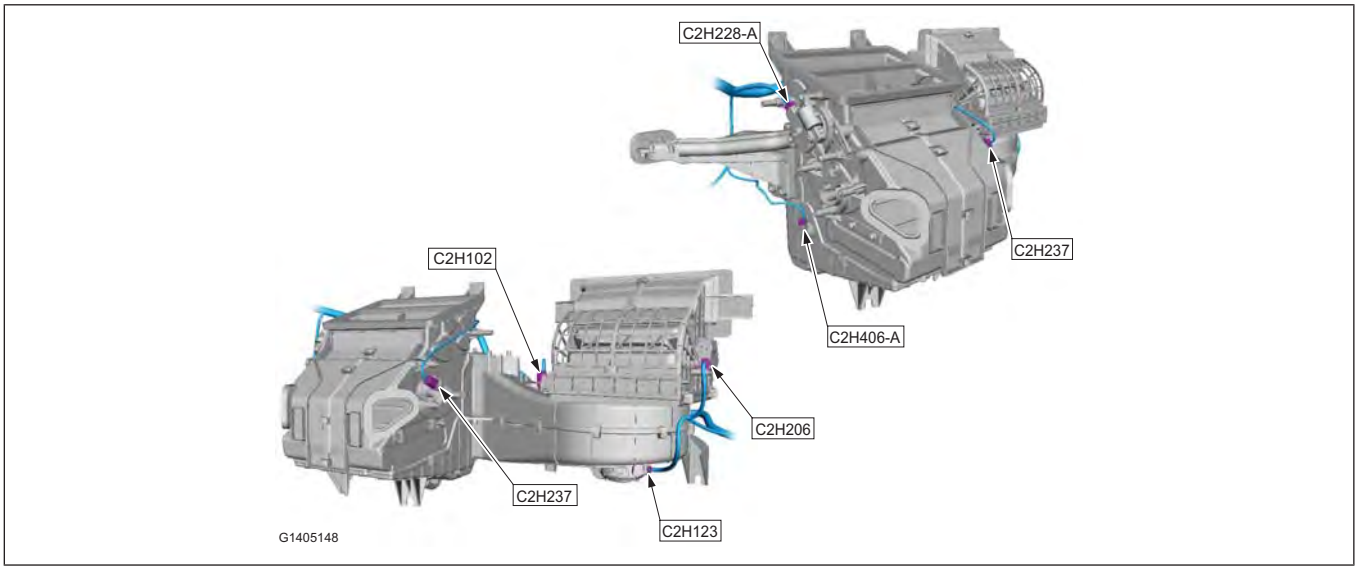
COMPONENT LOCATION

Climate Control Assembly - Vehicles With: Manual Temperature Control, LHD



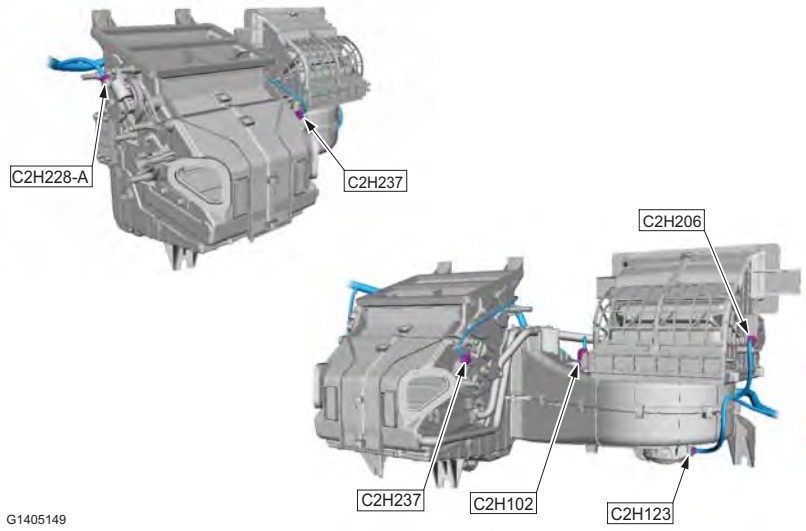
COMPONENT LOCATION

Climate Control Assembly - Vehicles With: Air Conditioning, LHD



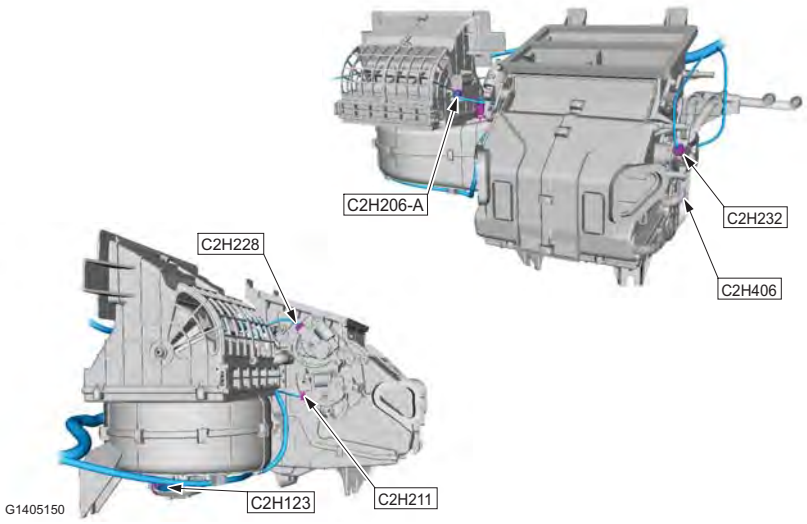
COMPONENT LOCATION

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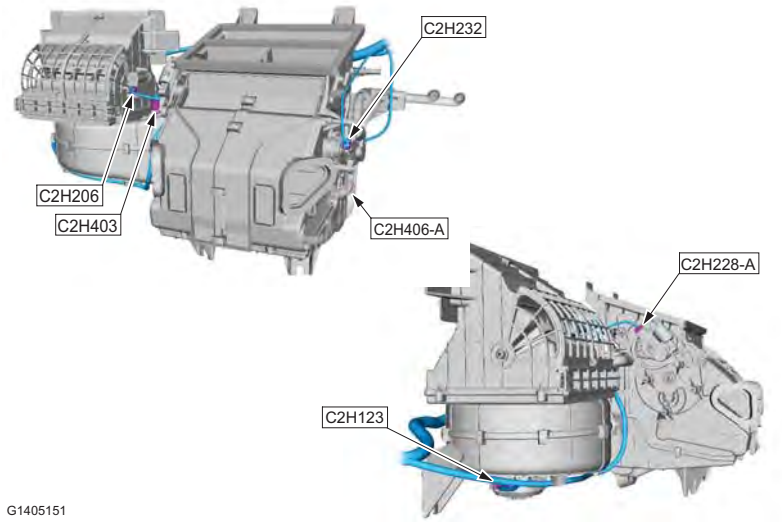
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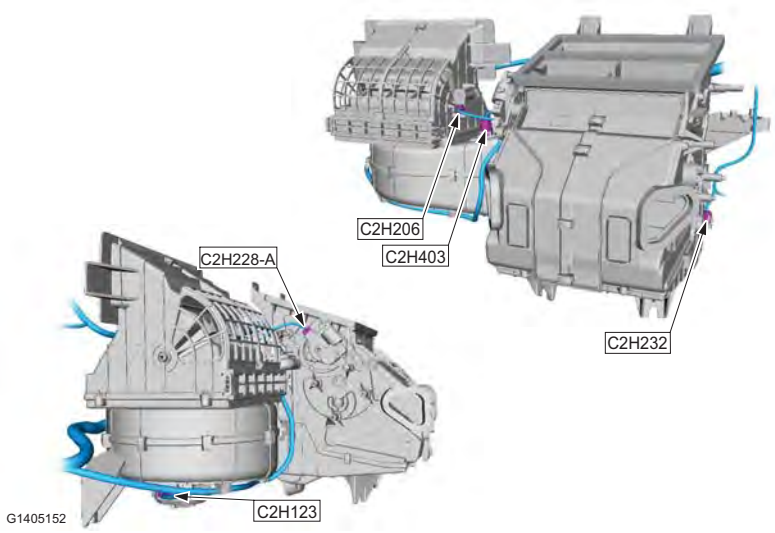
COMPONENT LOCATION

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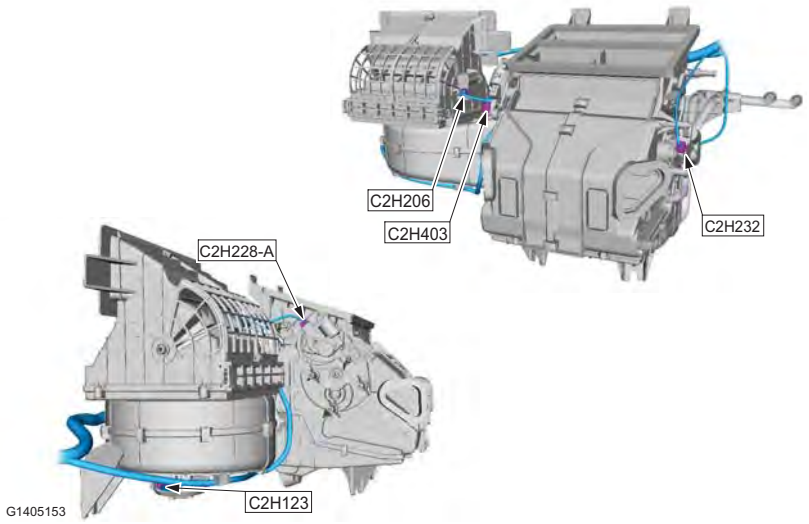
COMPONENT LOCATION

Climate Control Assembly - Vehicles With: Air Conditioning, RHD



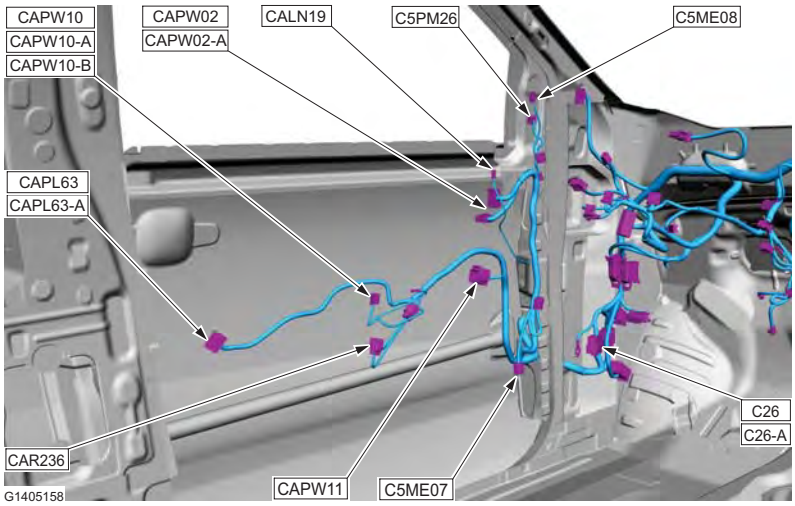
COMPONENT LOCATION

Climate Control Assembly - Vehicles Without: Air Conditioning, RHD



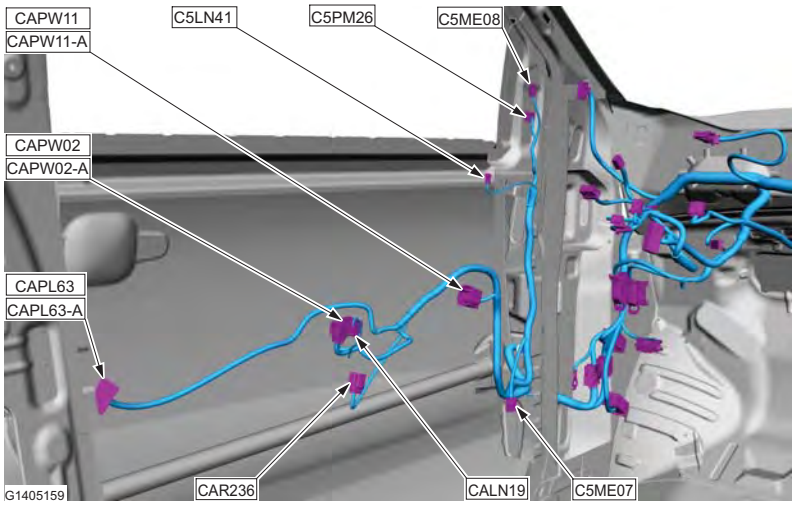
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Driver Door Interior View - Double Cab, LHD



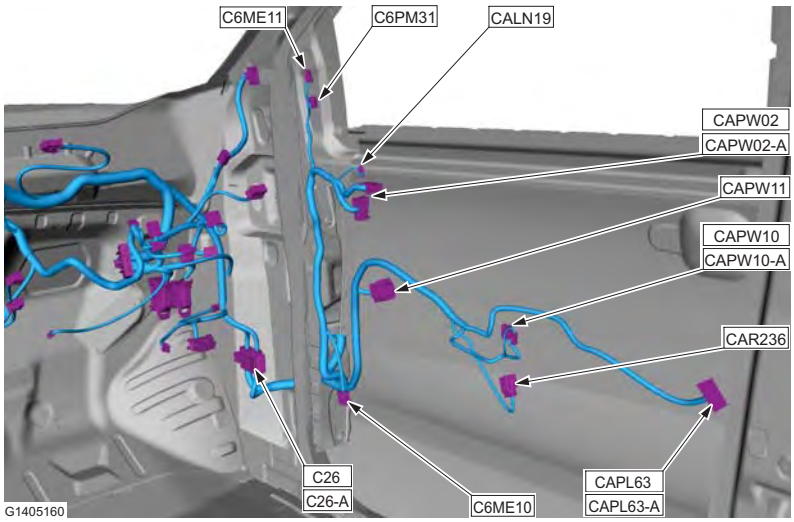
COMPONENT LOCATION

Driver Door Interior View - Single Cab/Super Cab, LHD



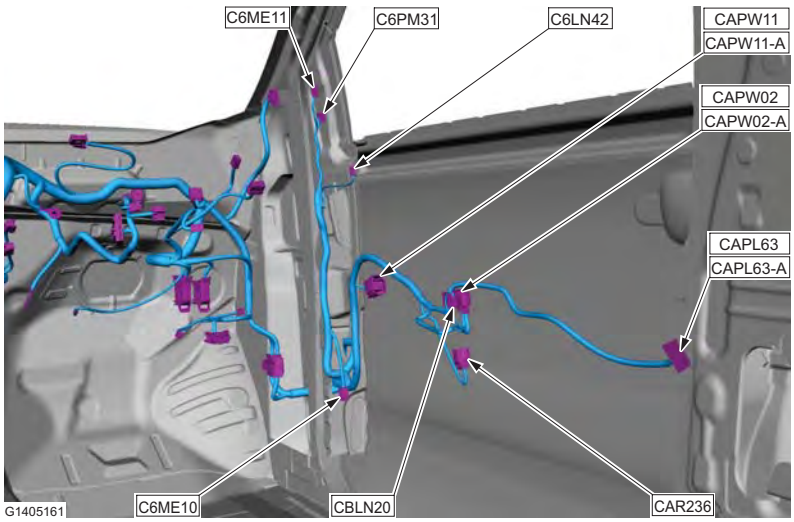
COMPONENT LOCATION

Driver Door Interior View - Double Cab, RHD



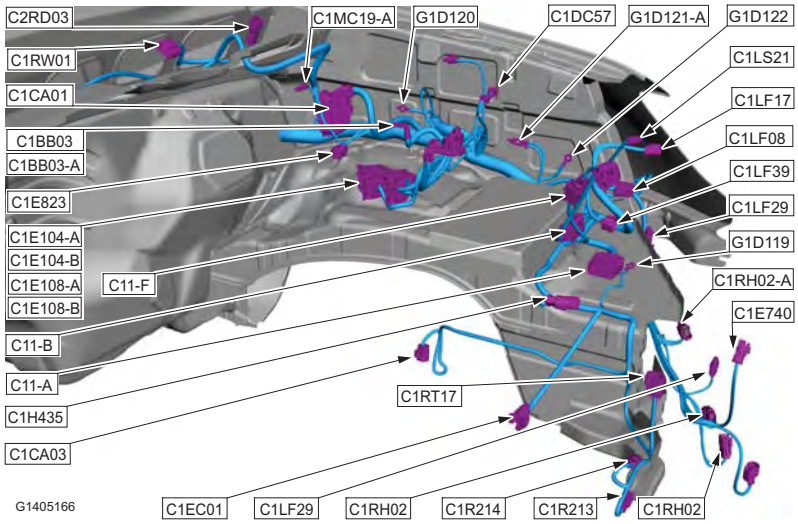
COMPONENT LOCATION

Driver Door Interior View - Single Cab/Super Cab, RHD



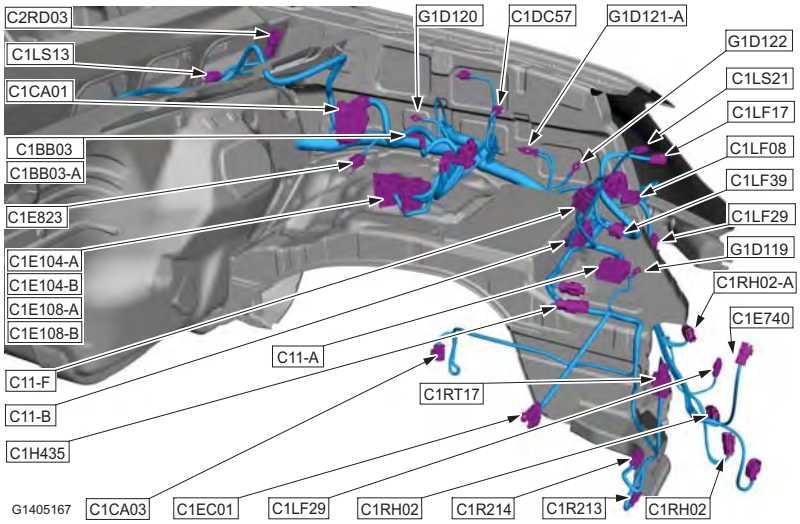
COMPONENT LOCATION

Engine Compartment Left-Hand View - LHD



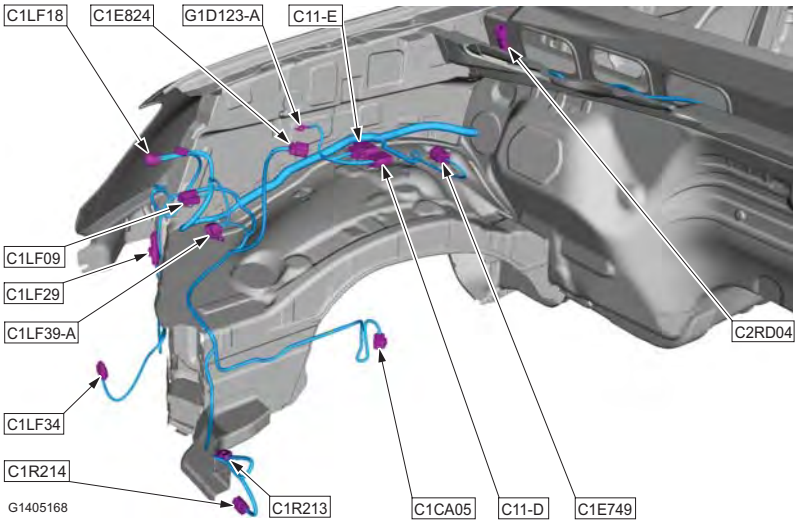
COMPONENT LOCATION

Engine Compartment Left-Hand View - RHD



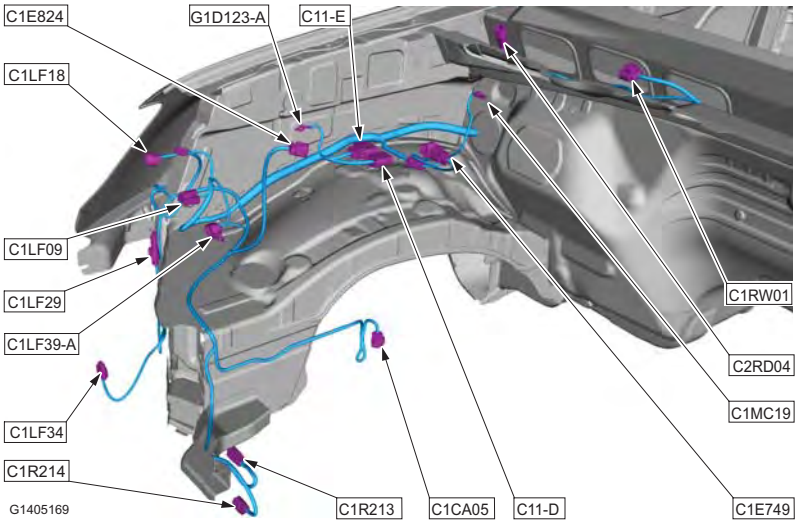
COMPONENT LOCATION

Engine Compartment Right-Hand View - LHD



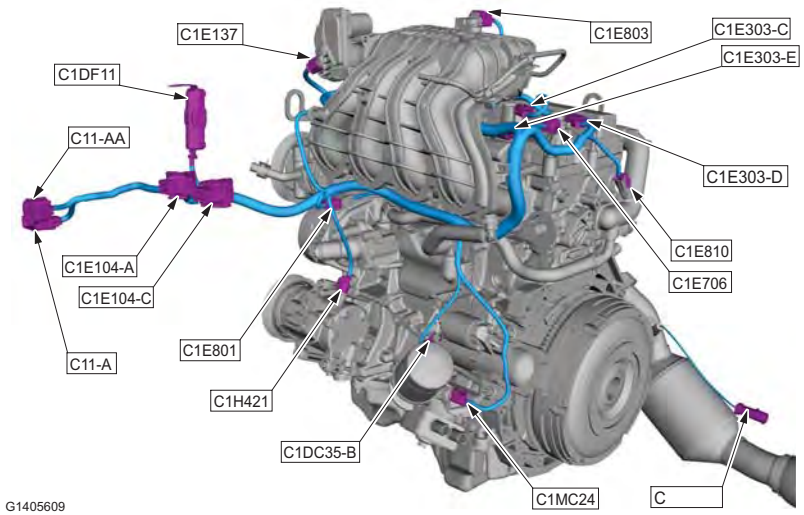
COMPONENT LOCATION

Engine Compartment Right-Hand View - RHD



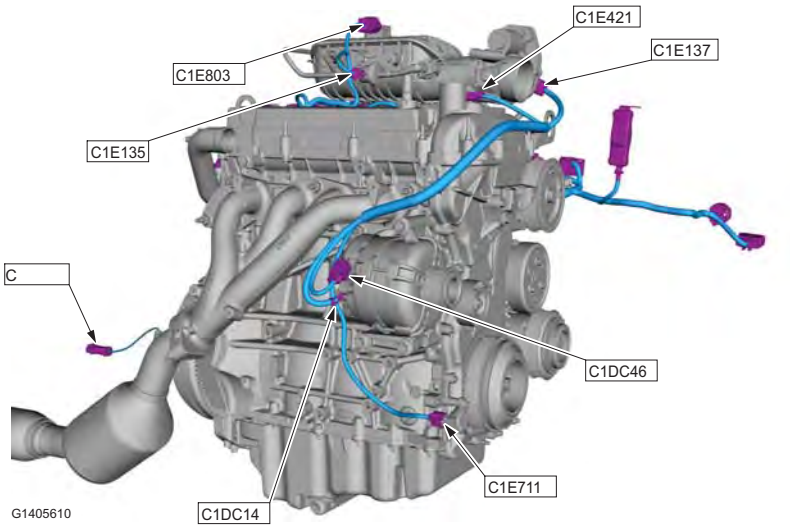
COMPONENT LOCATION

Engine Left-Hand View - 2.5L Duratec-HE (122kW/165PS) - MI4



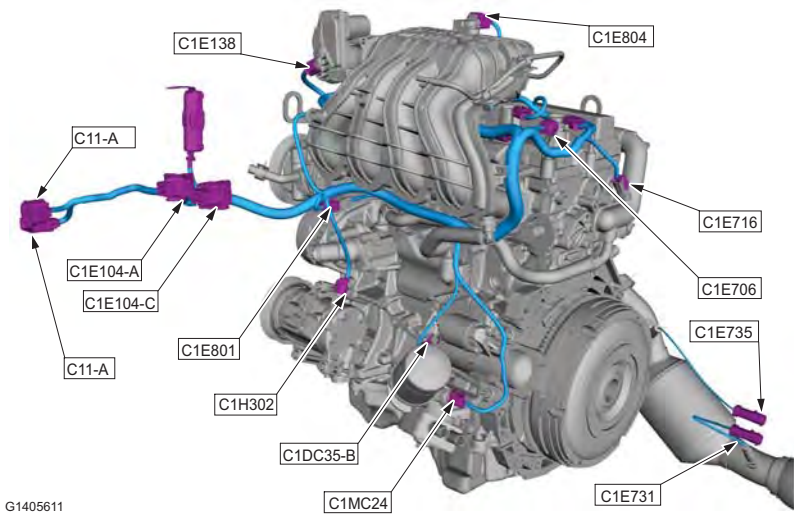
COMPONENT LOCATION

Engine Right-Hand View - 2.5L Duratec-HE (122kW/165PS) - MI4



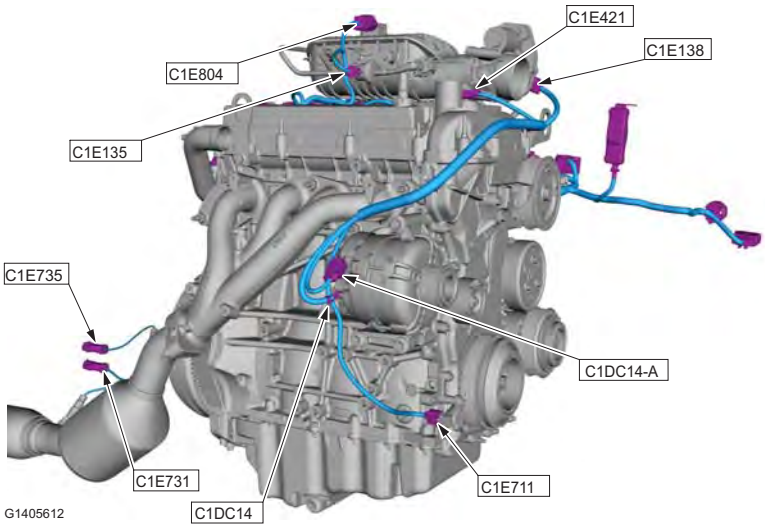
COMPONENT LOCATION

Engine Left-Hand View - 2.5L Duratec-HE (122kW/165PS) - MI4, Compressed Natural Gas (CNG)/Ethanol/Liquefied Petroleum Gas (LPG)



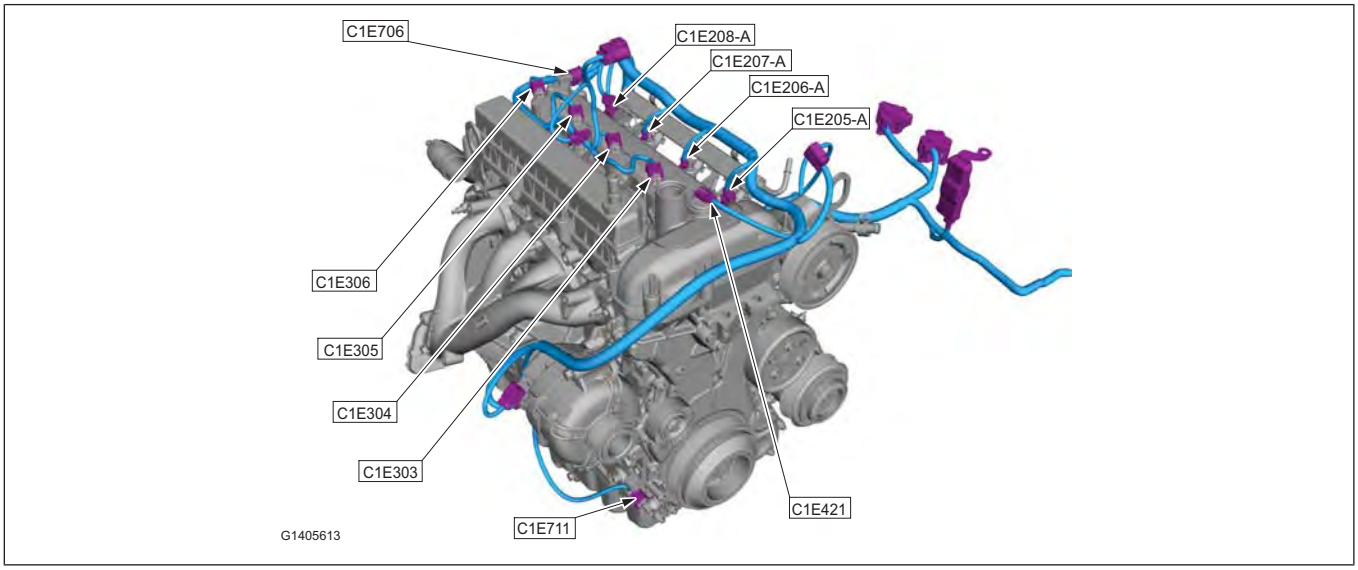
COMPONENT LOCATION

Engine Right-Hand View - 2.5L Duratec-HE (122kW/165PS) - MI4, Compressed Natural Gas (CNG)/Ethanol/Liquefied Petroleum Gas (LPG)



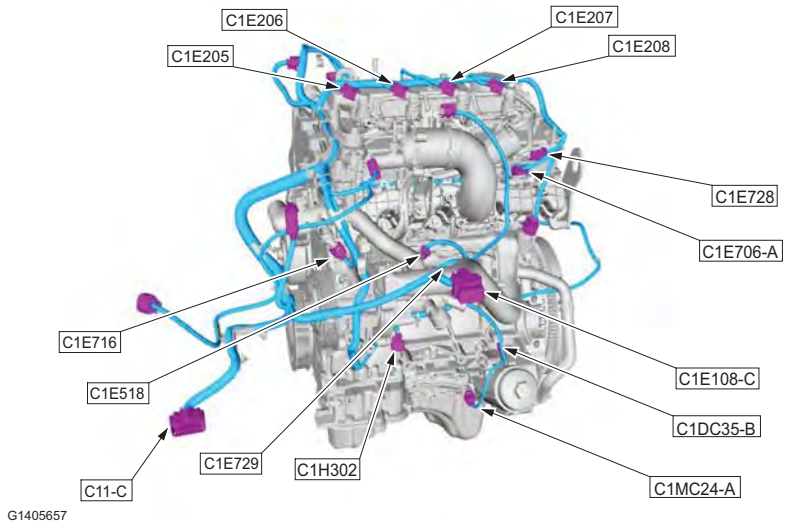
COMPONENT LOCATION

Engine Upper View - 2.5L Duratec-HE (122kW/165PS) - MI4, Compressed Natural Gas (CNG)/Ethanol/Liquefied Petroleum Gas (LPG)



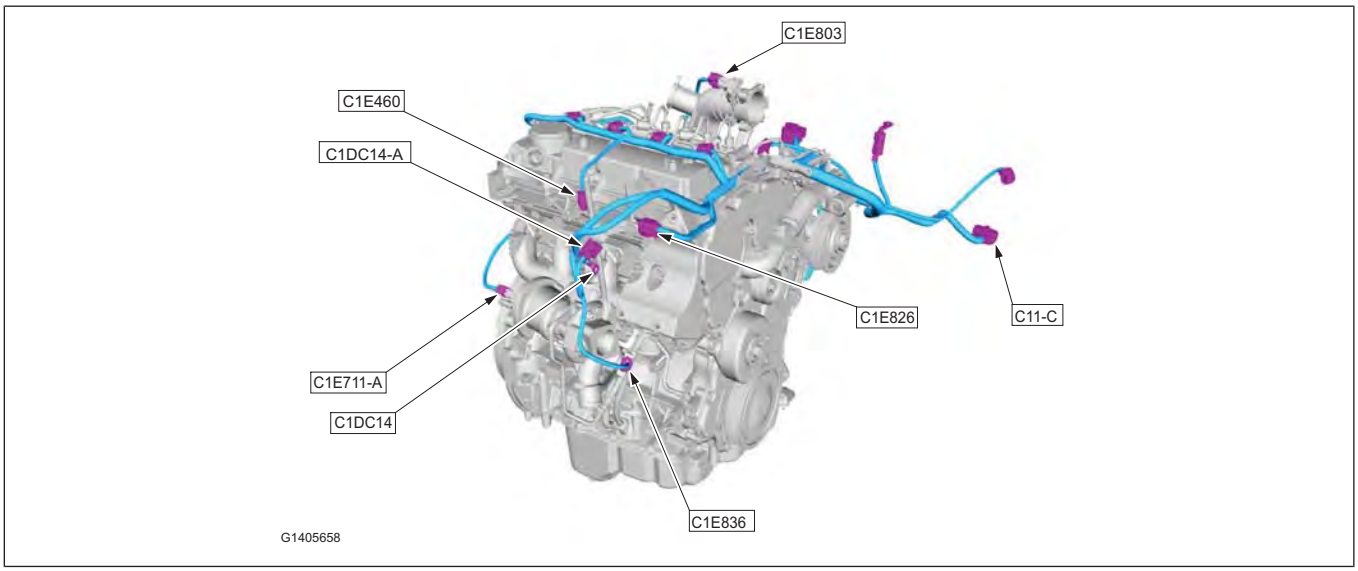
COMPONENT LOCATION

Engine Left-Hand View - 2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma



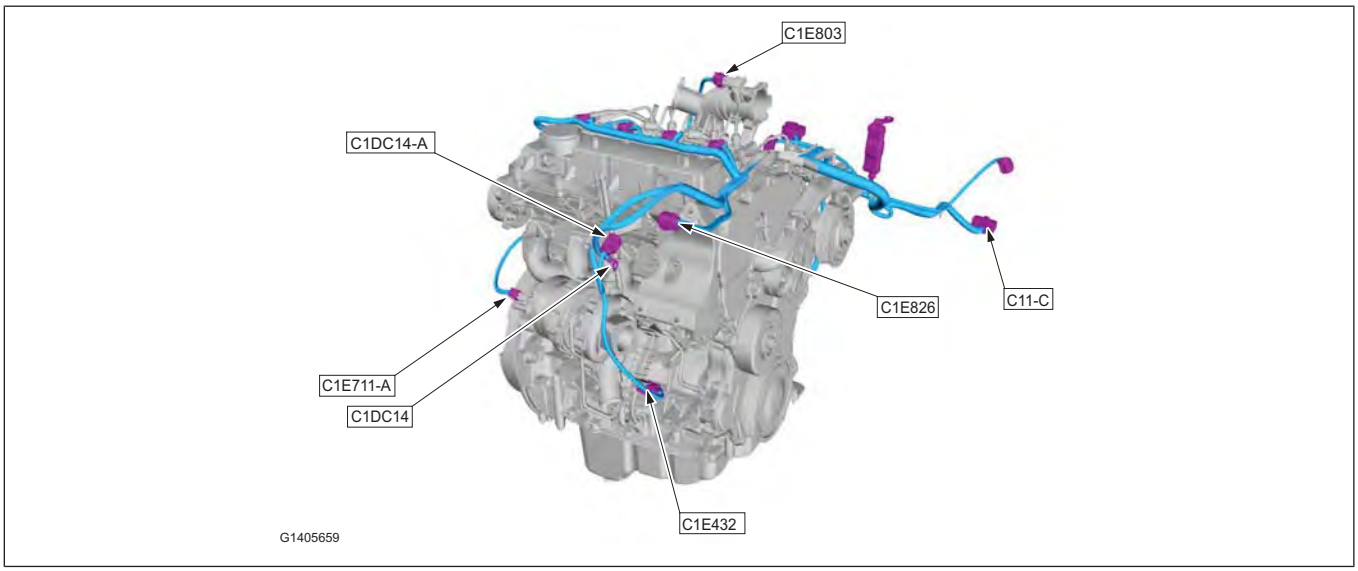
COMPONENT LOCATION

Engine Right-Hand View - 2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (96kW/130PS) - Puma



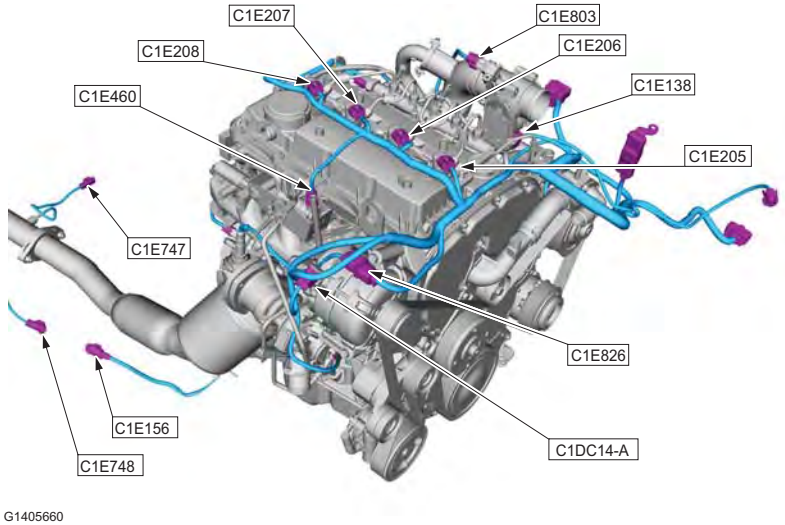
COMPONENT LOCATION

Engine Right-Hand View - 2.2L Duratorq-TDCi (110kW/150PS) - Puma



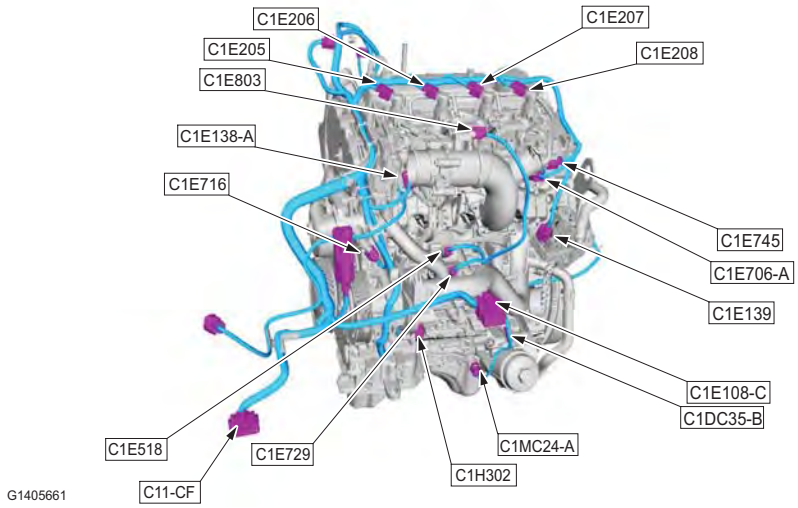
COMPONENT LOCATION

Engine Upper View - 2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma



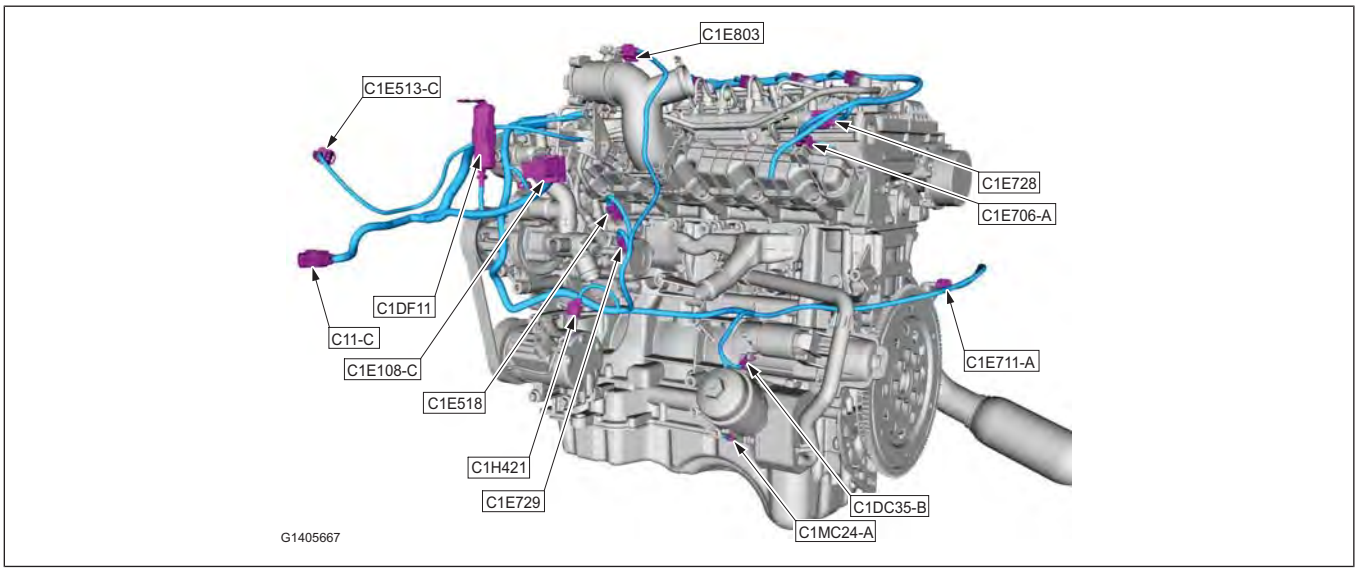
COMPONENT LOCATION

Engine Left-Hand View - 2.2L Duratorq-TDCi (88kW/120PS) - Puma/2.2L Duratorq-TDCi (110kW/150PS) - Puma



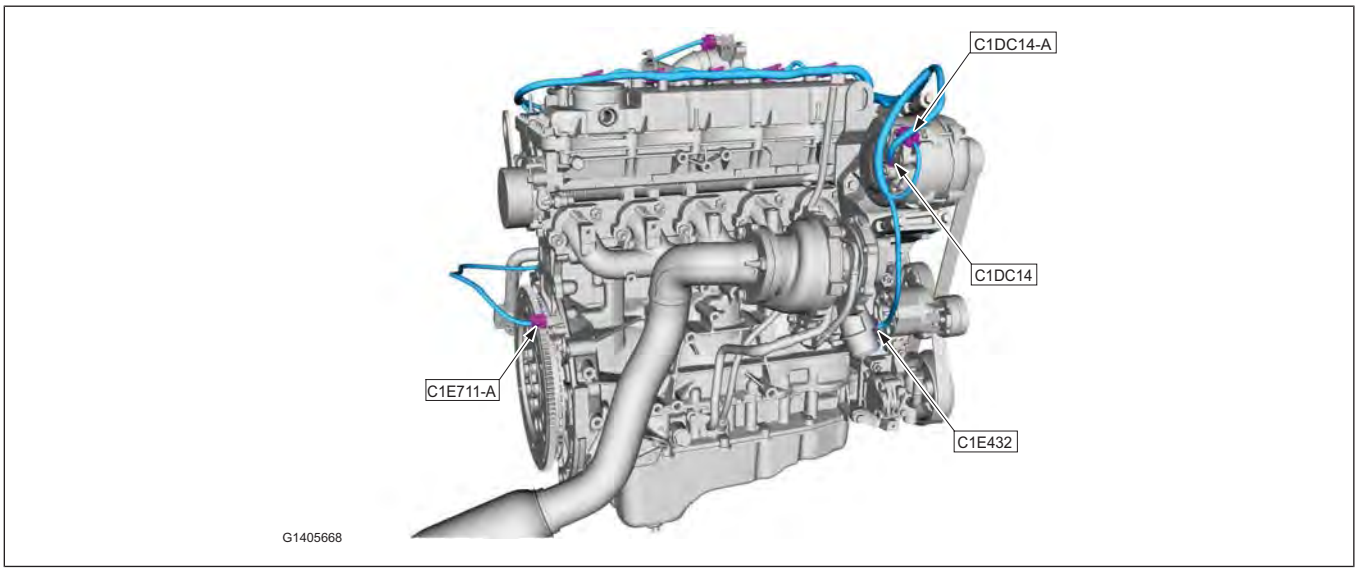
COMPONENT LOCATION

Engine Left-Hand View - 3.2L Duratorq-TDCi (148kW/200PS) - Puma



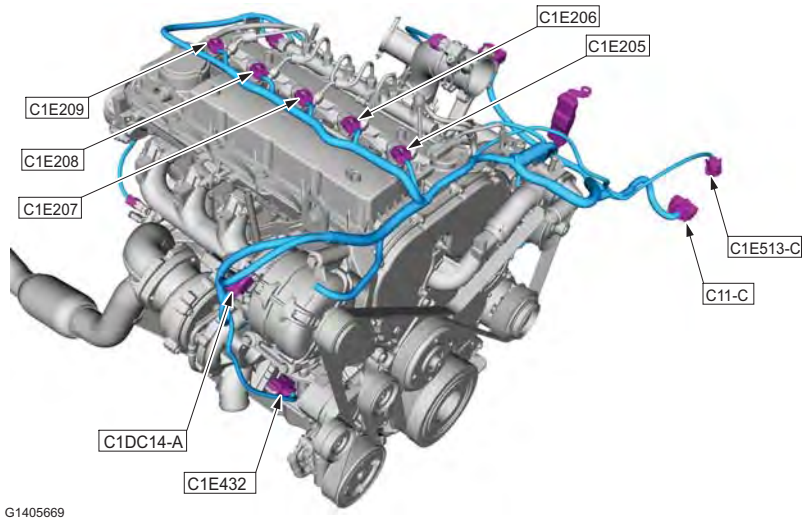
COMPONENT LOCATION

Engine Right-Hand View - 3.2L Duratorq-TDCi (148kW/200PS) - Puma



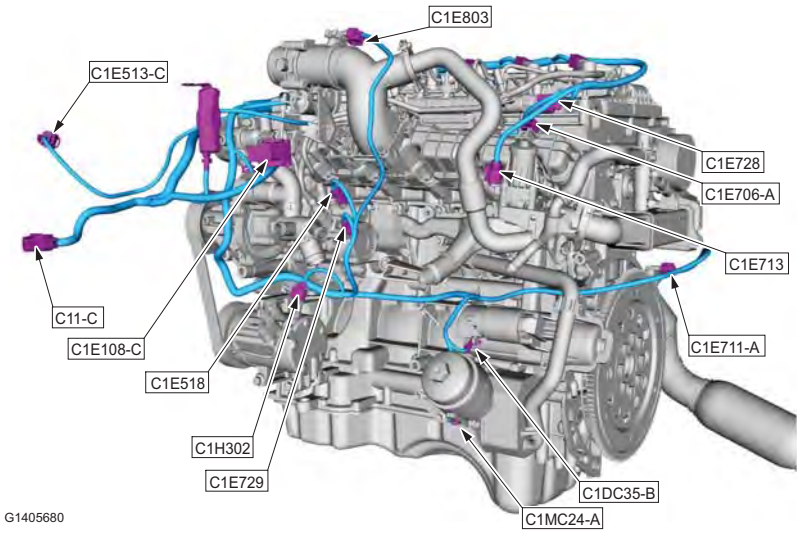
COMPONENT LOCATION

Engine Upper View - 3.2L Duratorq-TDCi (148kW/200PS) - Puma



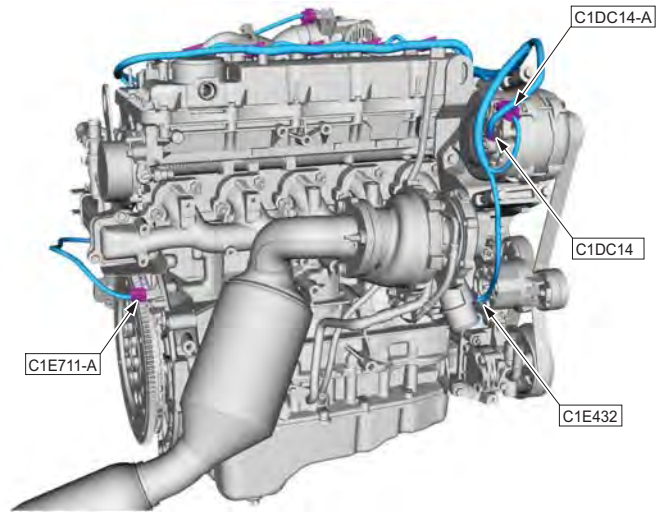
COMPONENT LOCATION

Engine Left-Hand View - 3.2L Duratorq-TDCi (148kW/200PS) - Puma



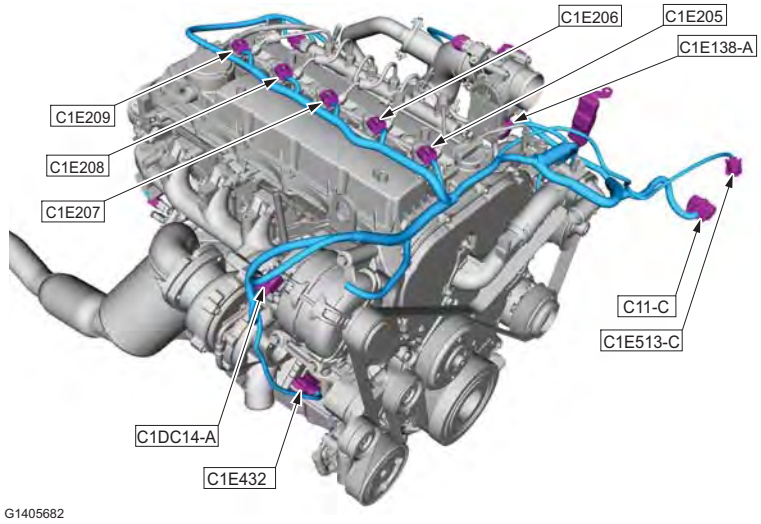
COMPONENT LOCATION

Engine Right-Hand View - 3.2L Duratorq-TDCi (148kW/200PS) - Puma



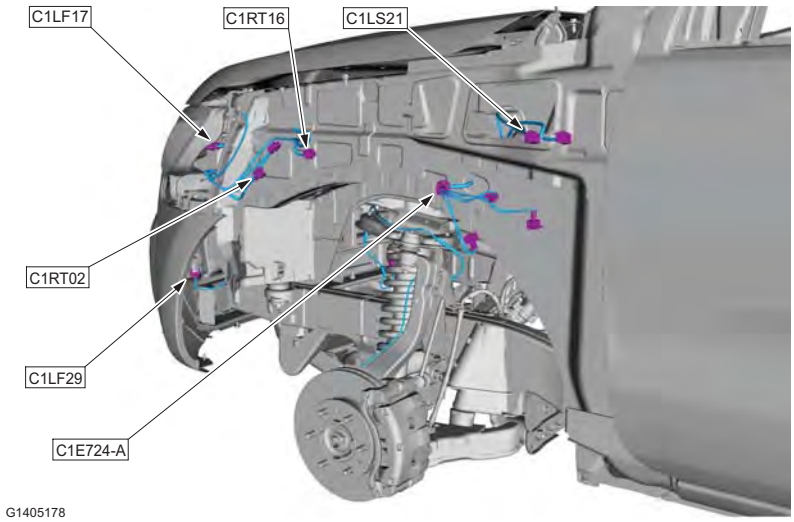
COMPONENT LOCATION

Engine Upper View - 3.2L Duratorq-TDCi (148kW/200PS) - Puma



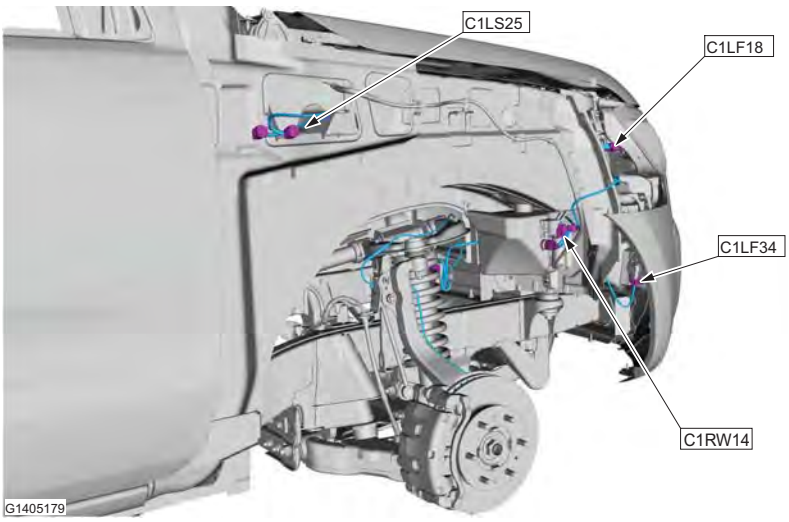
COMPONENT LOCATION

Front Fender LH



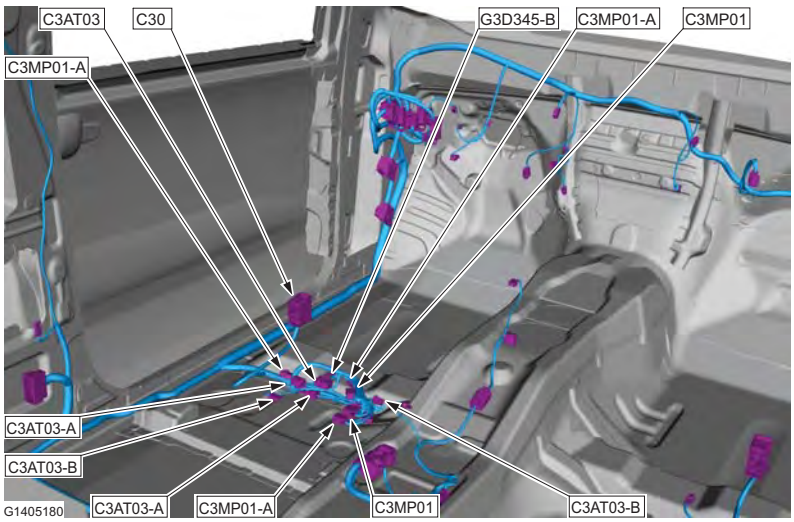
COMPONENT LOCATION

Front Fender RH



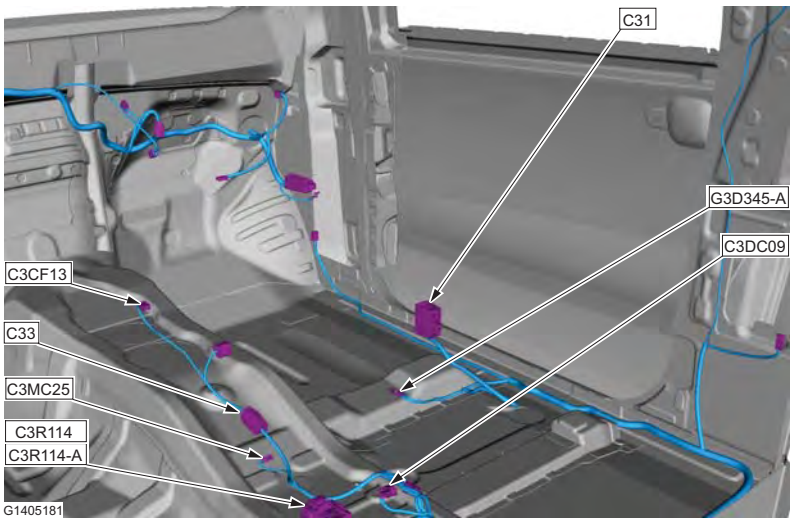
COMPONENT LOCATION

Front Floor Left-Hand View - Single Cab, LHD



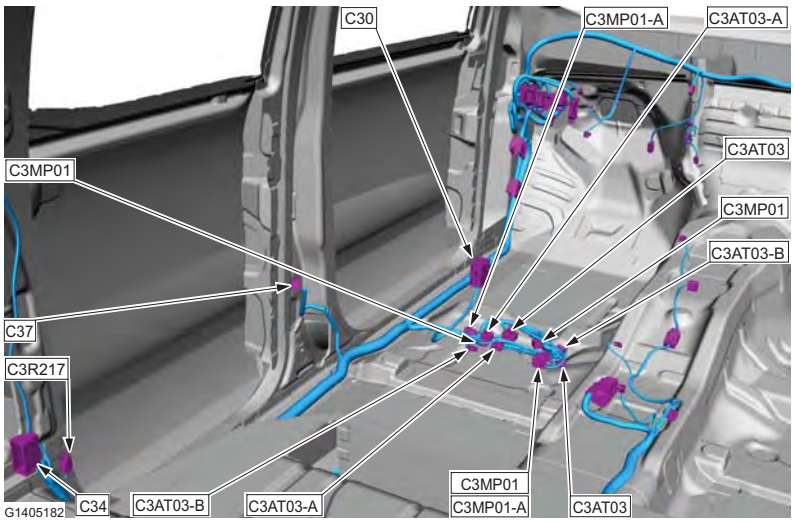
COMPONENT LOCATION

Front Floor Right-Hand View - Single Cab, LHD



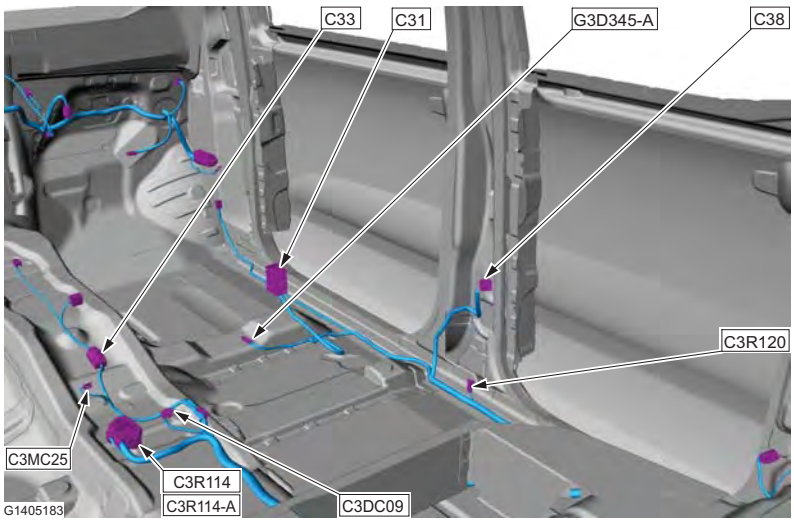
COMPONENT LOCATION

Front Floor Left-Hand View - Double Cab, LHD



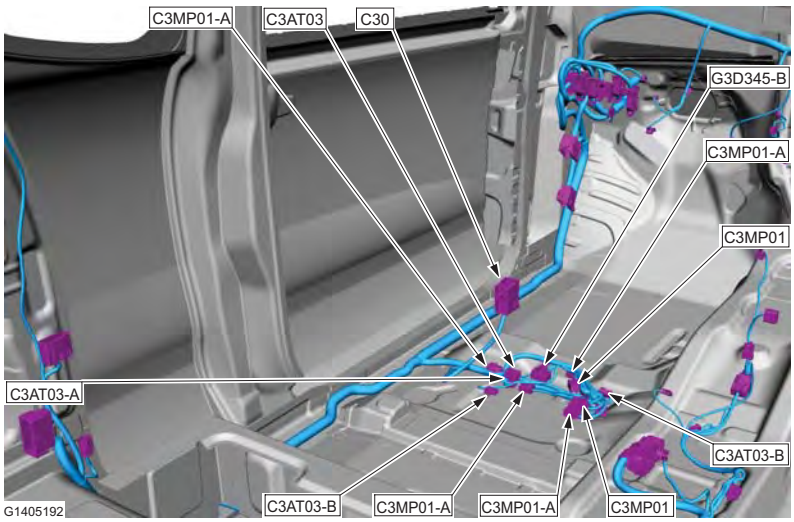
COMPONENT LOCATION

Front Floor Right-Hand View - Double Cab, LHD



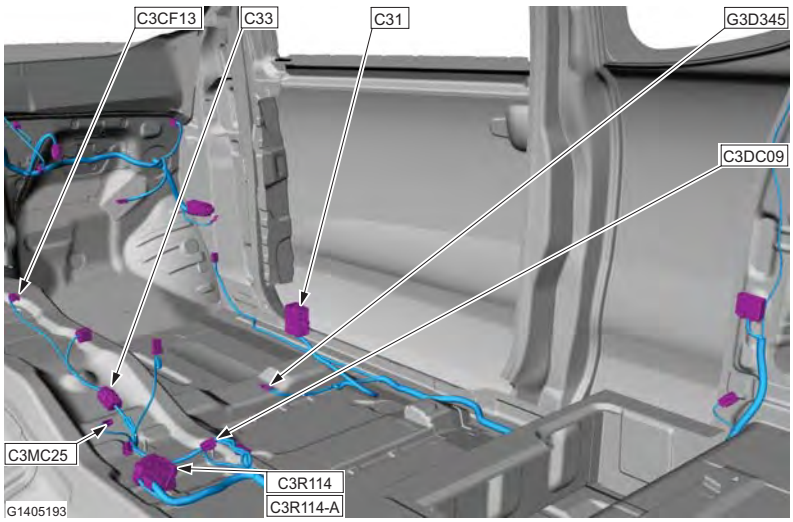
COMPONENT LOCATION

Front Floor Left-Hand View - Super Cab, LHD



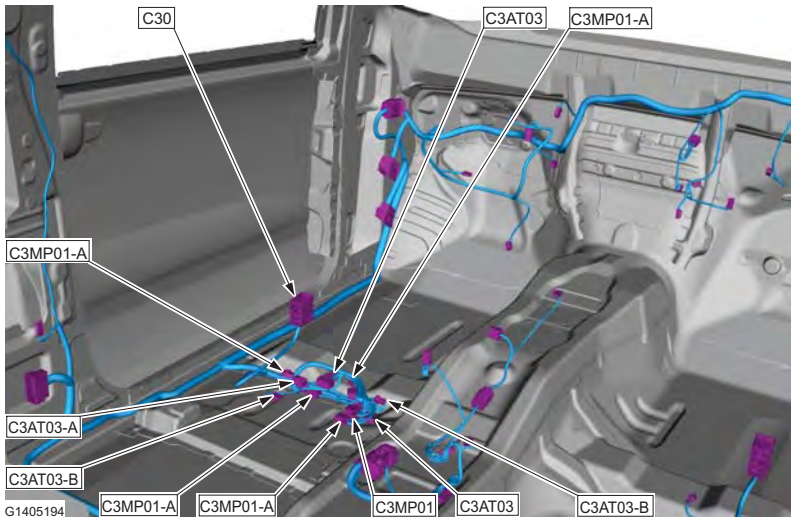
COMPONENT LOCATION

Front Floor Right-Hand View - Super Cab, LHD



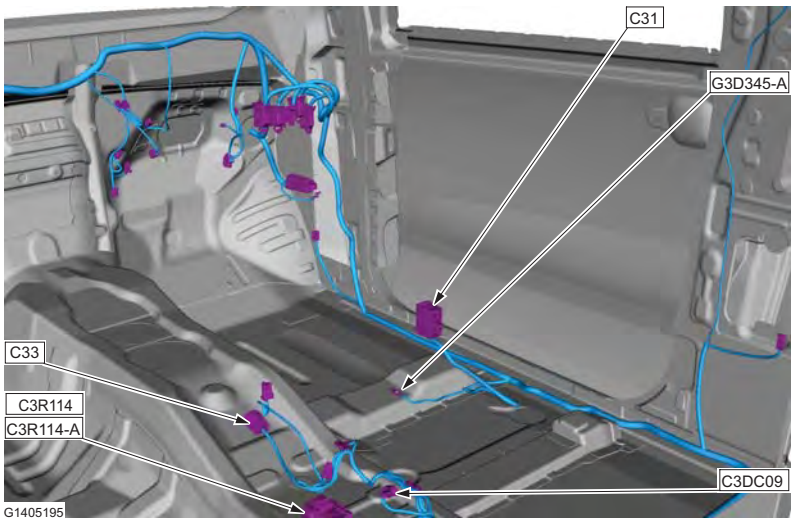
COMPONENT LOCATION

Front Floor Left-Hand View - Single Cab, RHD



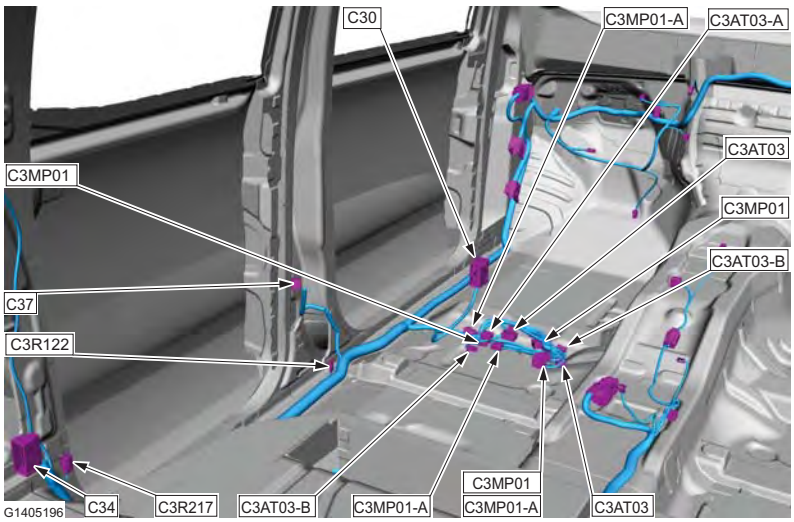
COMPONENT LOCATION

Front Floor Right-Hand View - Single Cab, RHD



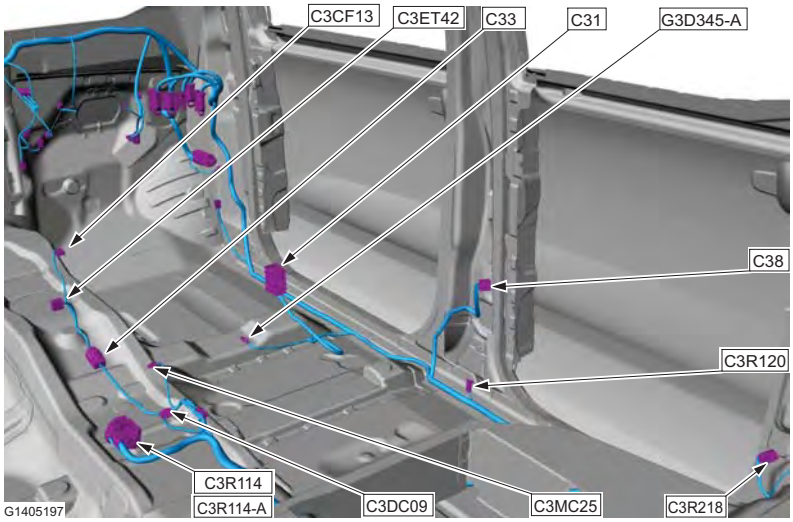
COMPONENT LOCATION

Front Floor Left-Hand View - Double Cab, RHD



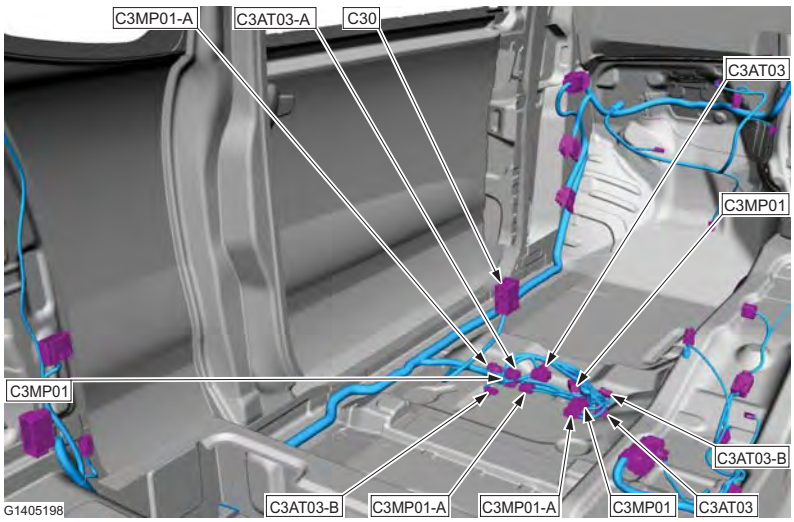
COMPONENT LOCATION

Front Floor Right-Hand View - Double Cab, RHD



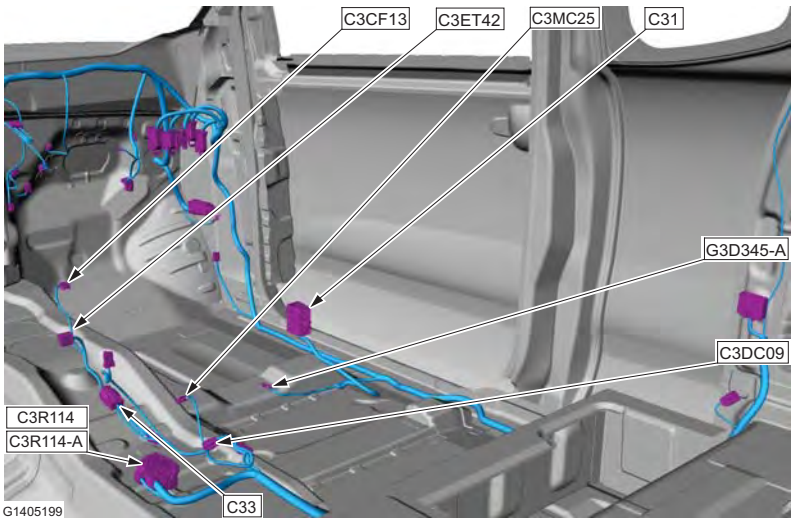
COMPONENT LOCATION

Front Floor Left-Hand View - Super Cab, RHD



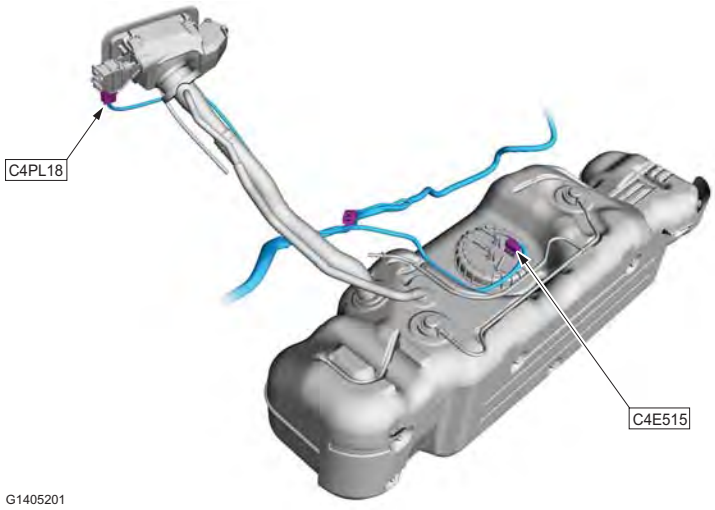
COMPONENT LOCATION

Front Floor Right-Hand View - Super Cab, RHD



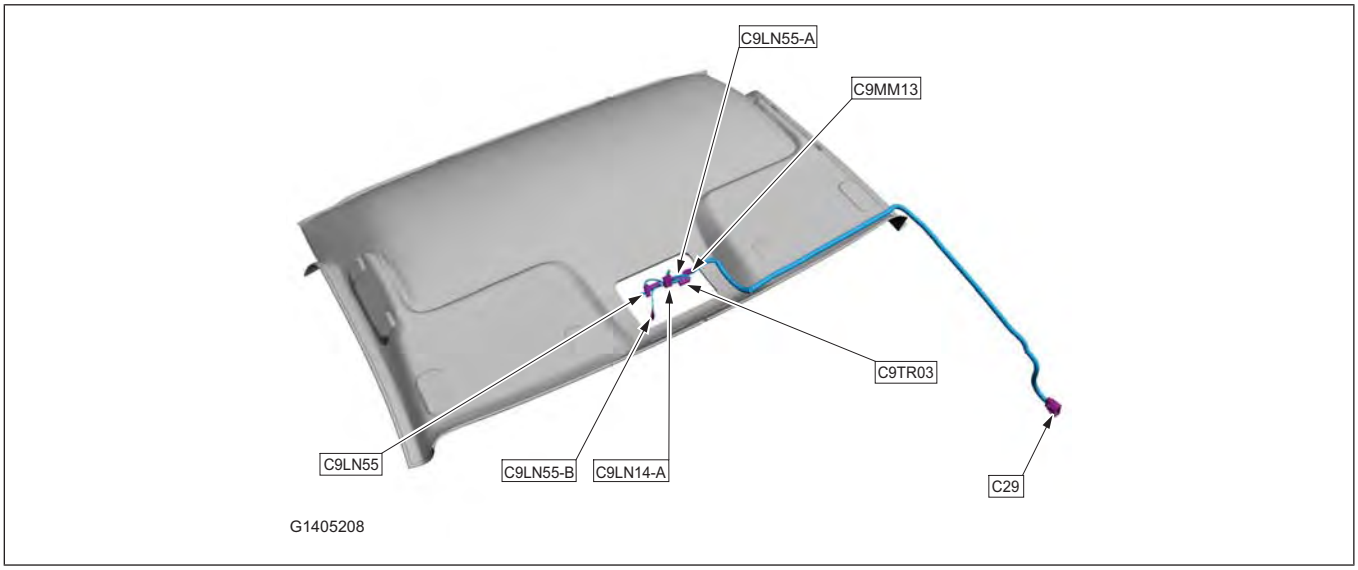
COMPONENT LOCATION

Fuel Tank



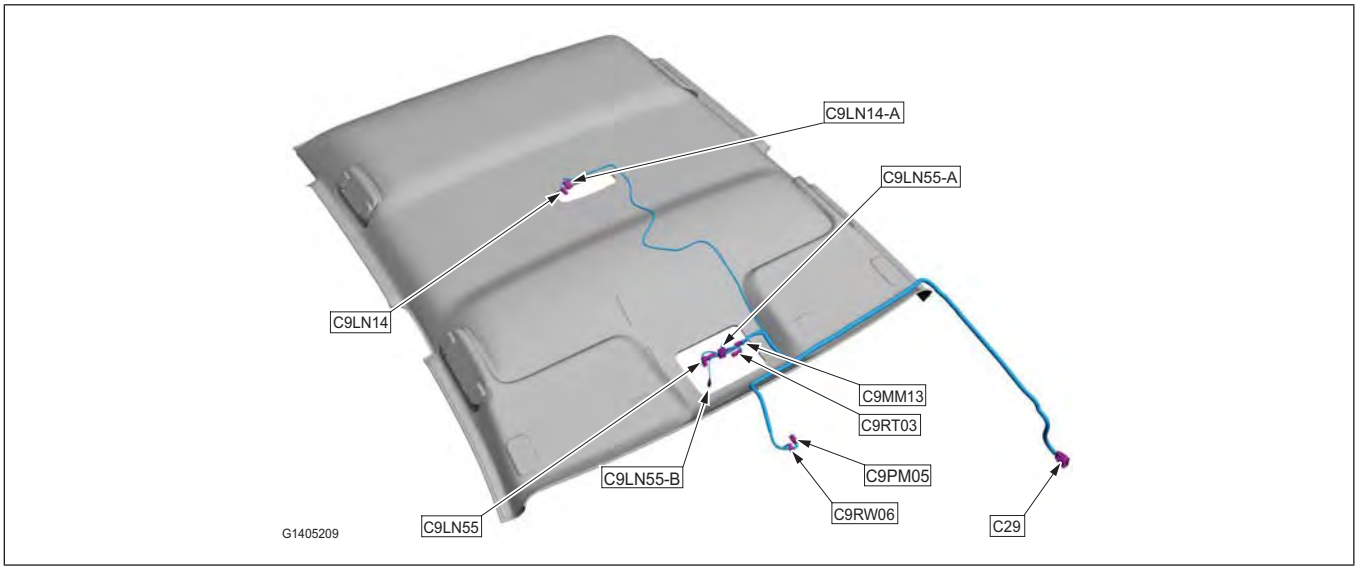
COMPONENT LOCATION

Headliner - Single Cab, LHD



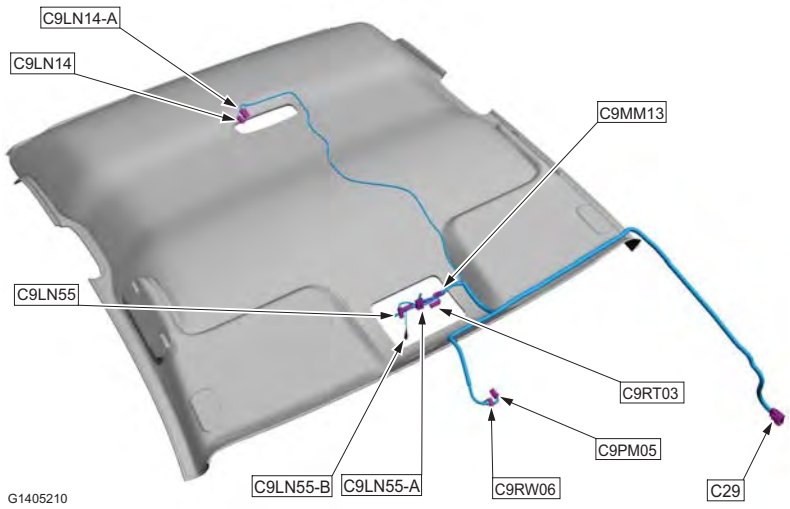
COMPONENT LOCATION

Headliner - Double Cab, LHD



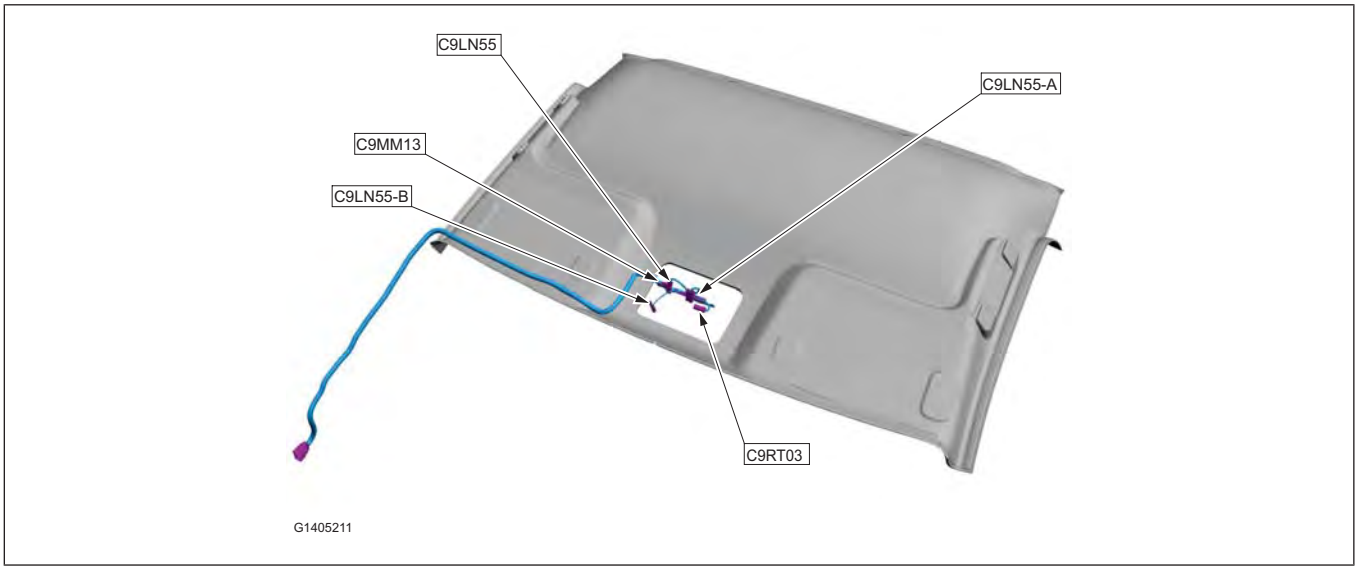
COMPONENT LOCATION

Headliner - Super Cab, LHD



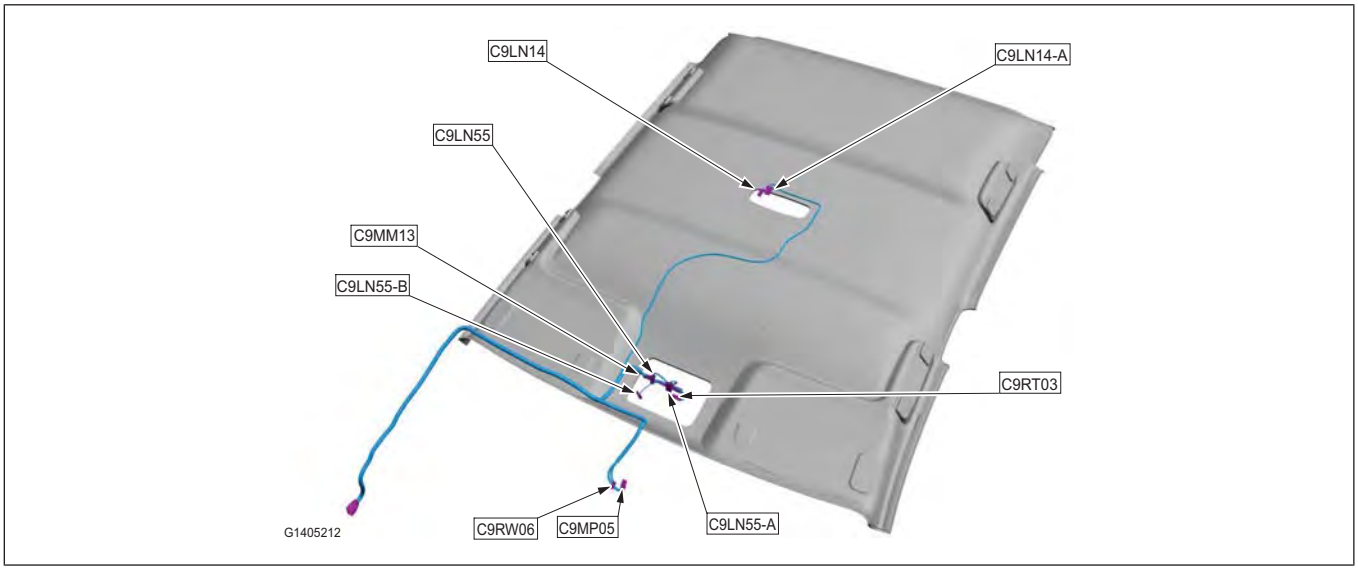
COMPONENT LOCATION

Headliner - Single Cab, RHD



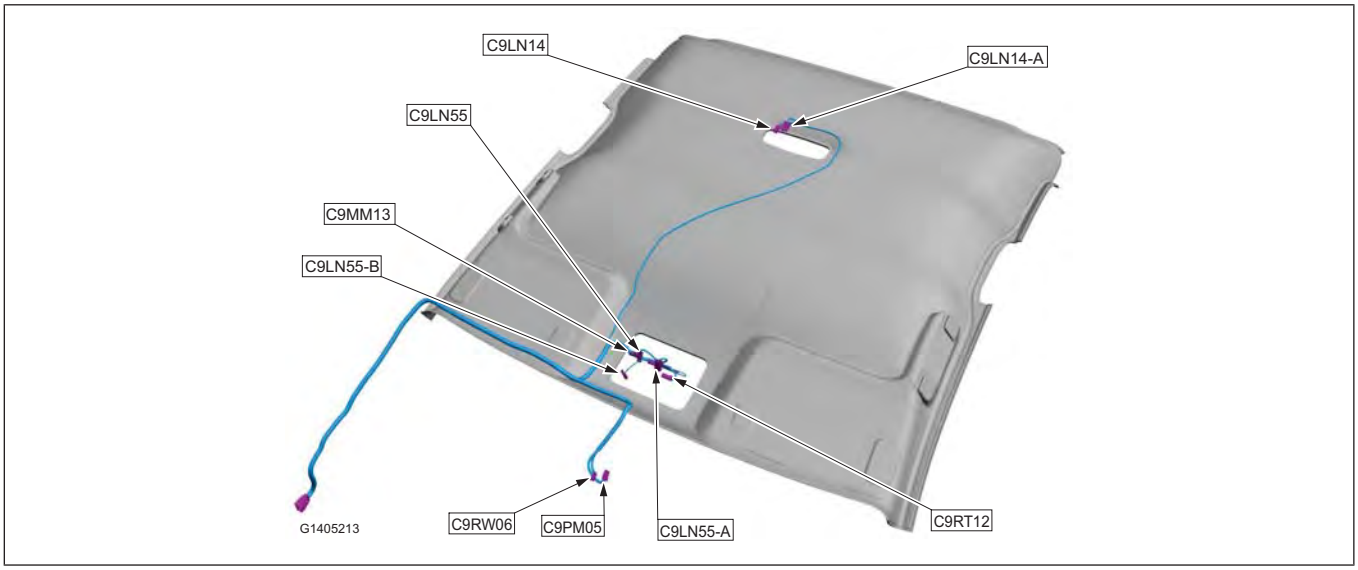
COMPONENT LOCATION

Headliner - Double Cab, RHD



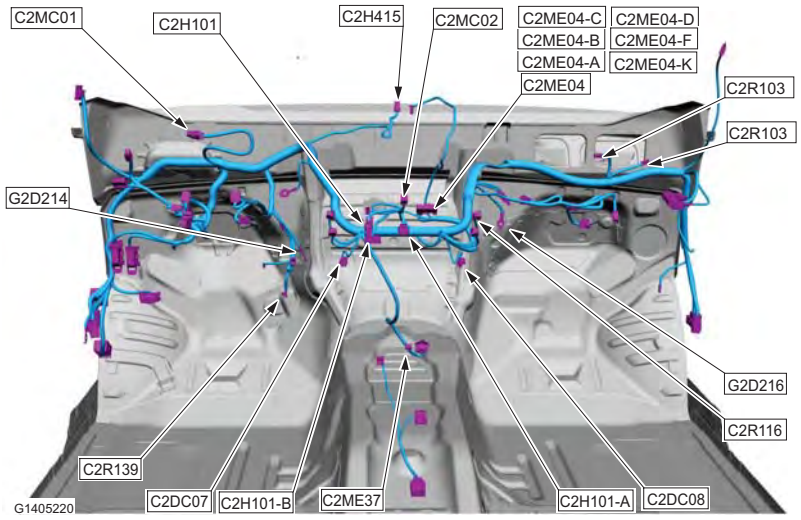
COMPONENT LOCATION

Headliner - Super Cab, RHD



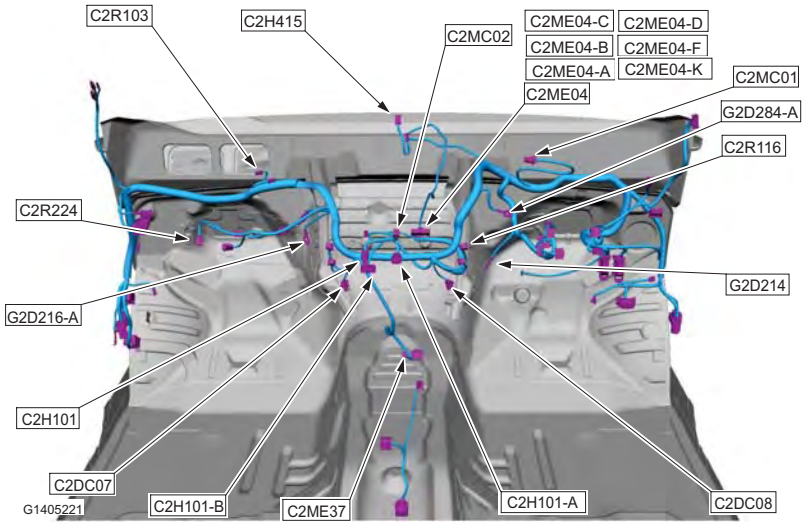
COMPONENT LOCATION

Instrument Panel - LHD



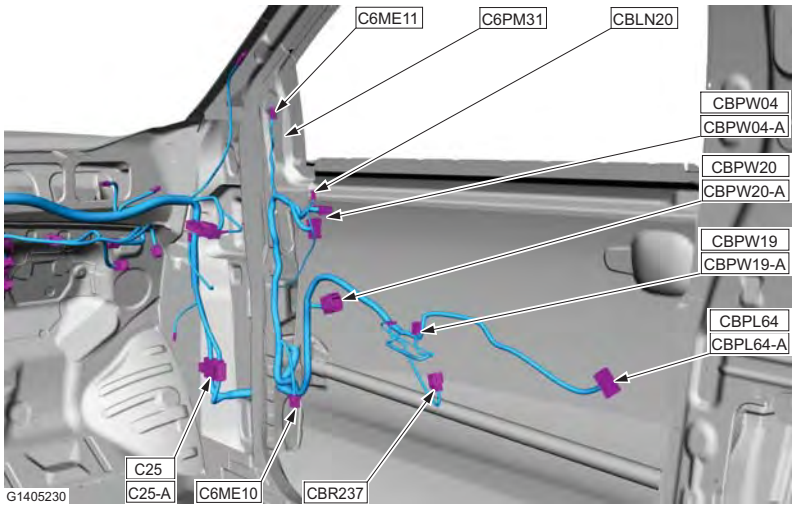
COMPONENT LOCATION

Instrument Panel - RHD



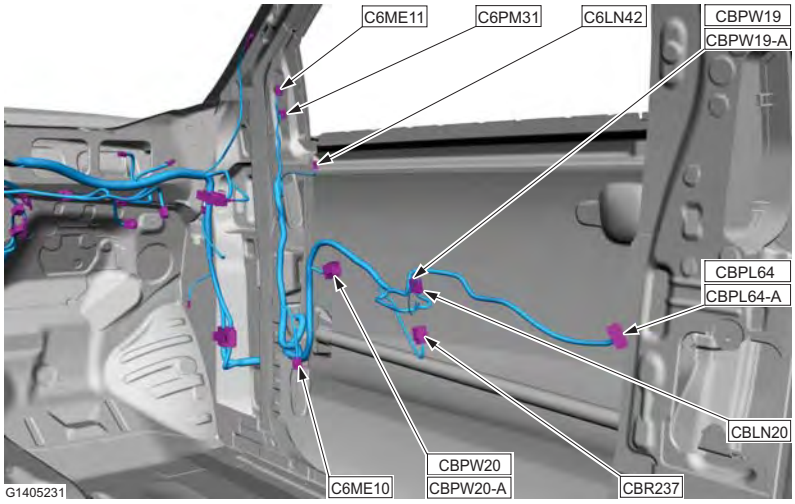
COMPONENT LOCATION

Passenger Door Interior View - Double Cab, LHD



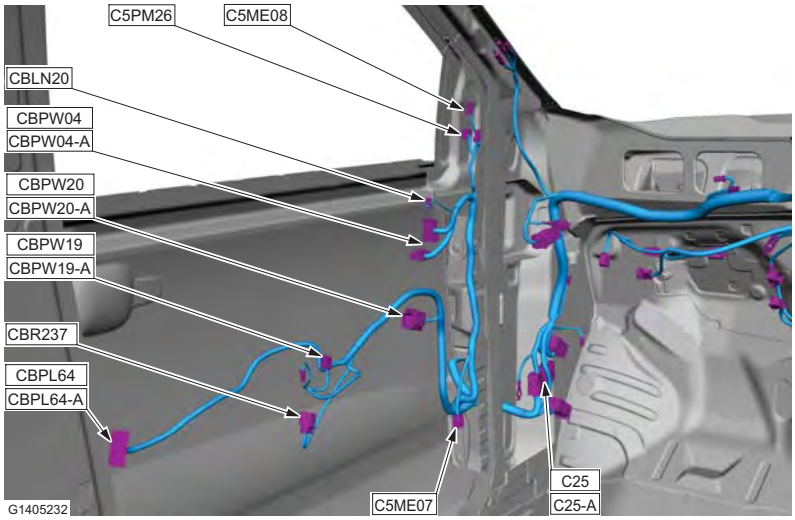
COMPONENT LOCATION

Passenger Door Interior View - Single Cab/Super Cab, LHD



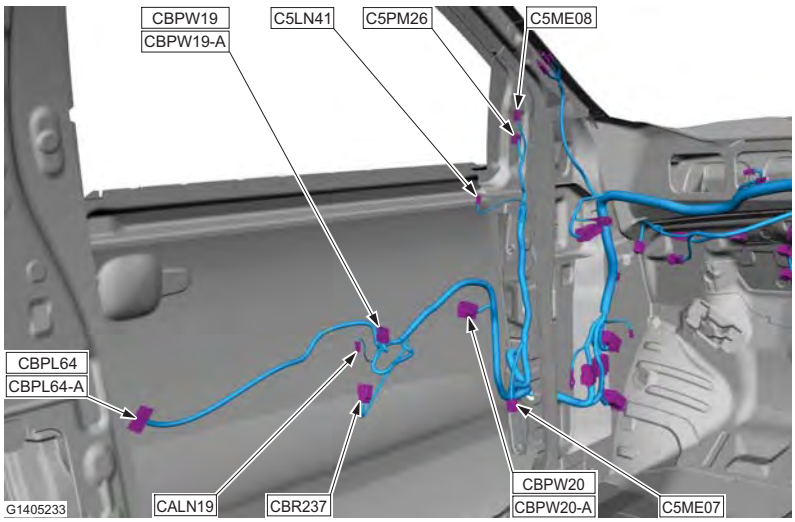
COMPONENT LOCATION

Passenger Door Interior View - Double Cab, RHD



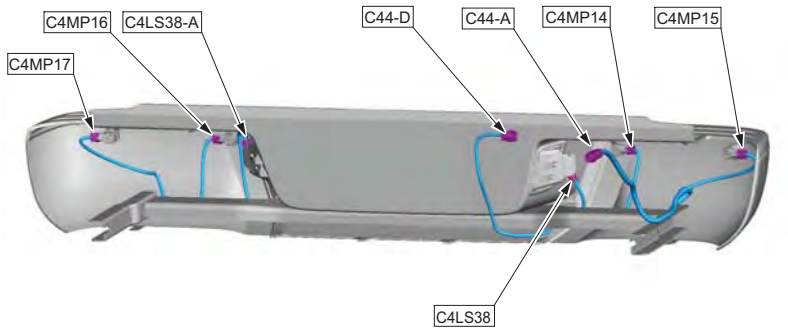
COMPONENT LOCATION

Passenger Door Interior View - Single Cab/Super Cab, RHD



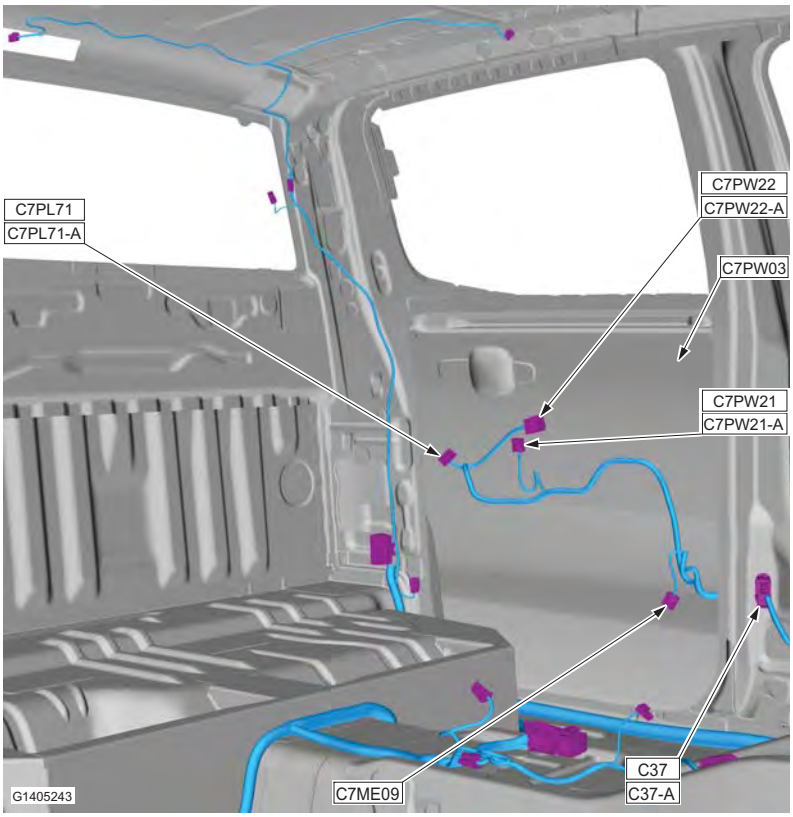
COMPONENT LOCATION

Rear Bumper



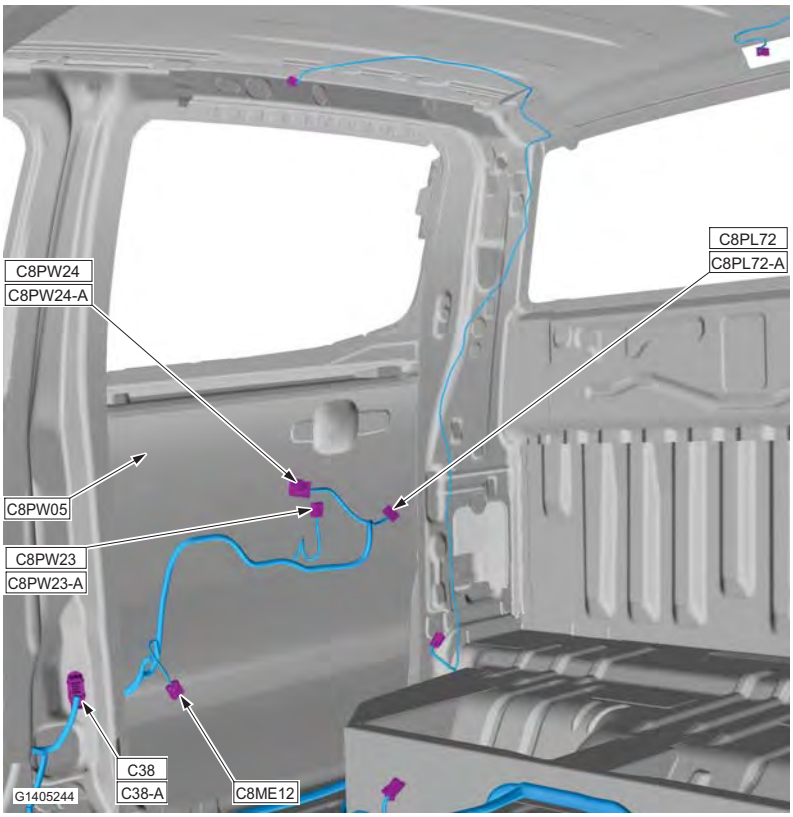
COMPONENT LOCATION

Rear Door LH Interior View



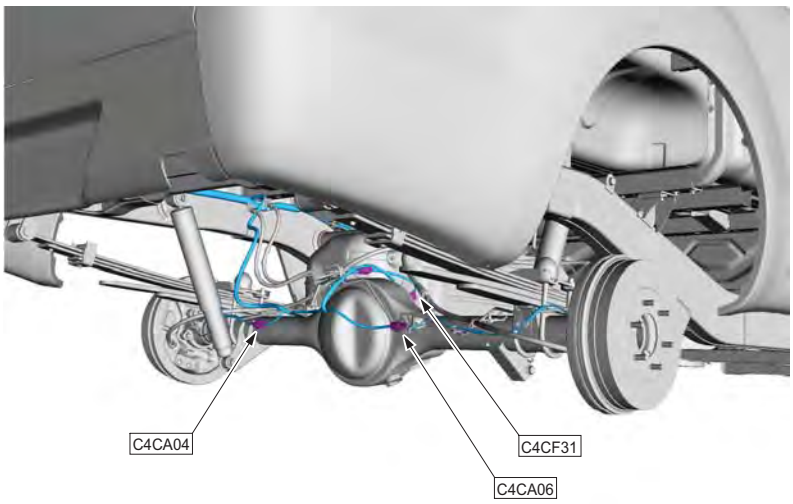
COMPONENT LOCATION

Rear Door RH Interior View



COMPONENT LOCATION

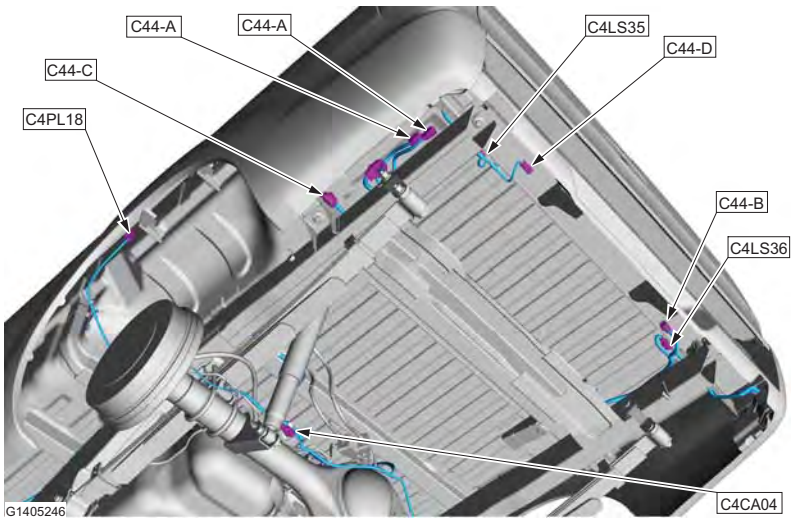
Rear Axle



G1405245

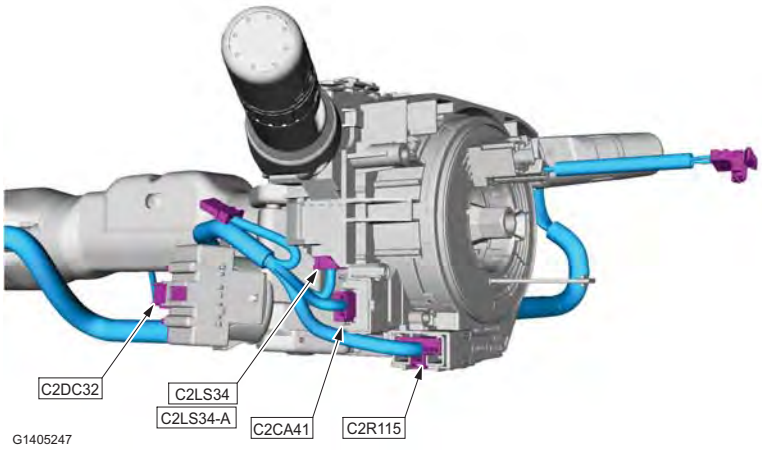
COMPONENT LOCATION

Rear Under Floor View



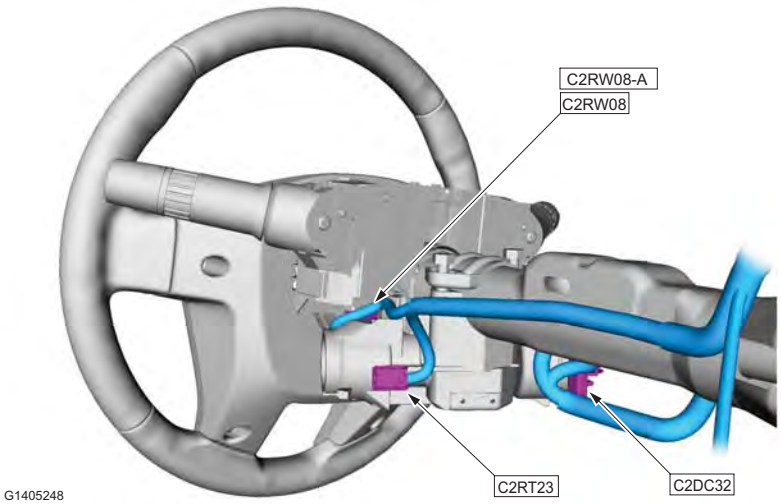
COMPONENT LOCATION

Steering Column Switches Front View



COMPONENT LOCATION

Steering Column Switches Rear View



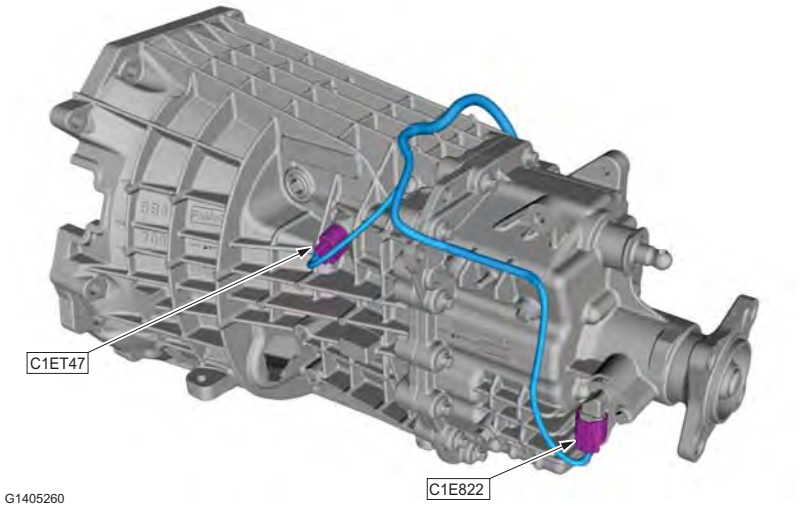
COMPONENT LOCATION

Steering Wheel



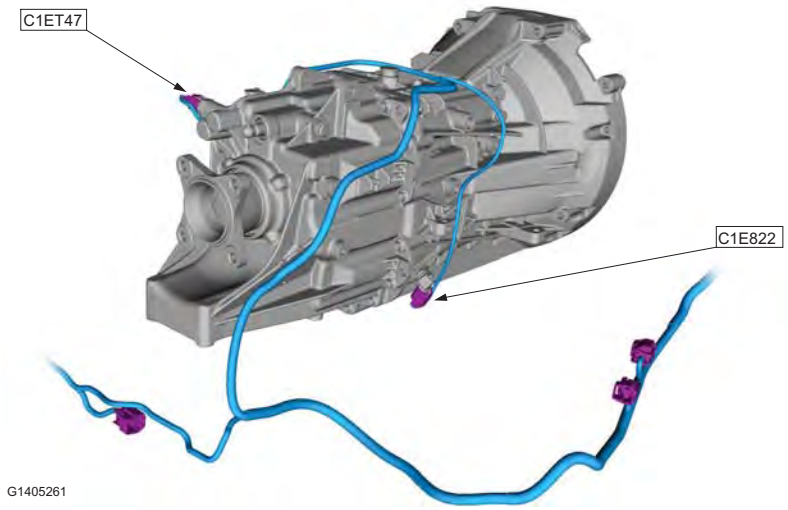
COMPONENT LOCATION

Transmission Left-Hand View - Vehicles With: 5-Speed Manual Transmission - MT75 4x2



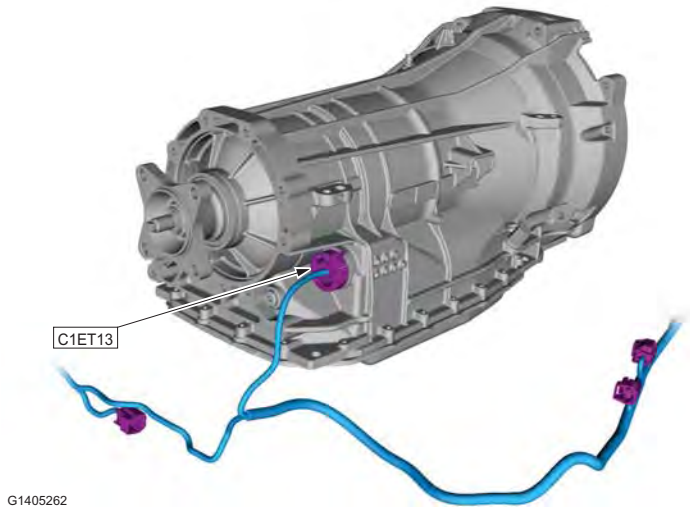
COMPONENT LOCATION

Transmission Right-Hand View - Vehicles With: 6-Speed Manual Transmission - MT82 4x2



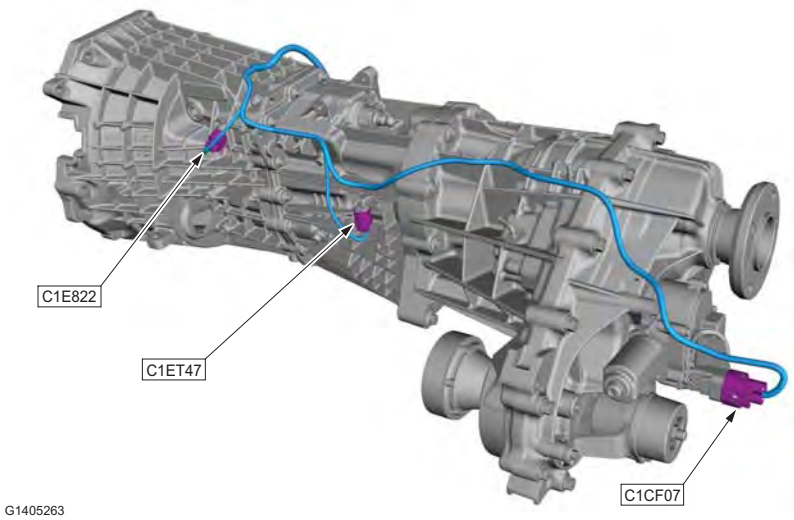
COMPONENT LOCATION

Transmission Right-Hand View - Vehicles With: 6-Speed Automatic Transaxle - 6R80 4x2



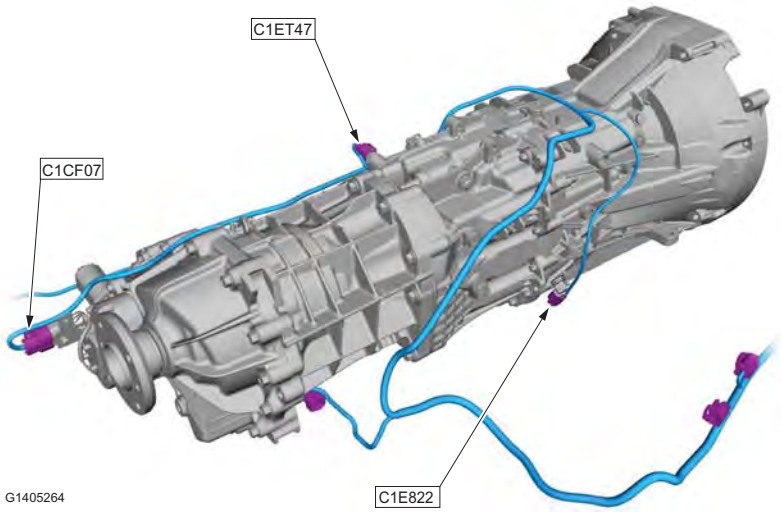
COMPONENT LOCATION

Transmission Left-Hand View - Vehicles With: 5-Speed Manual Transmission - MT75 4x4



COMPONENT LOCATION

Transmission Right-Hand View - Vehicles With: 6-Speed Manual Transmission (MT82 4x4)



COMPONENT LOCATION

Transmission Right-Hand View - Vehicles With: 6-Speed Automatic Transaxle - 6R80 4x4



SECTION 700-01 Fuse and Relay Information

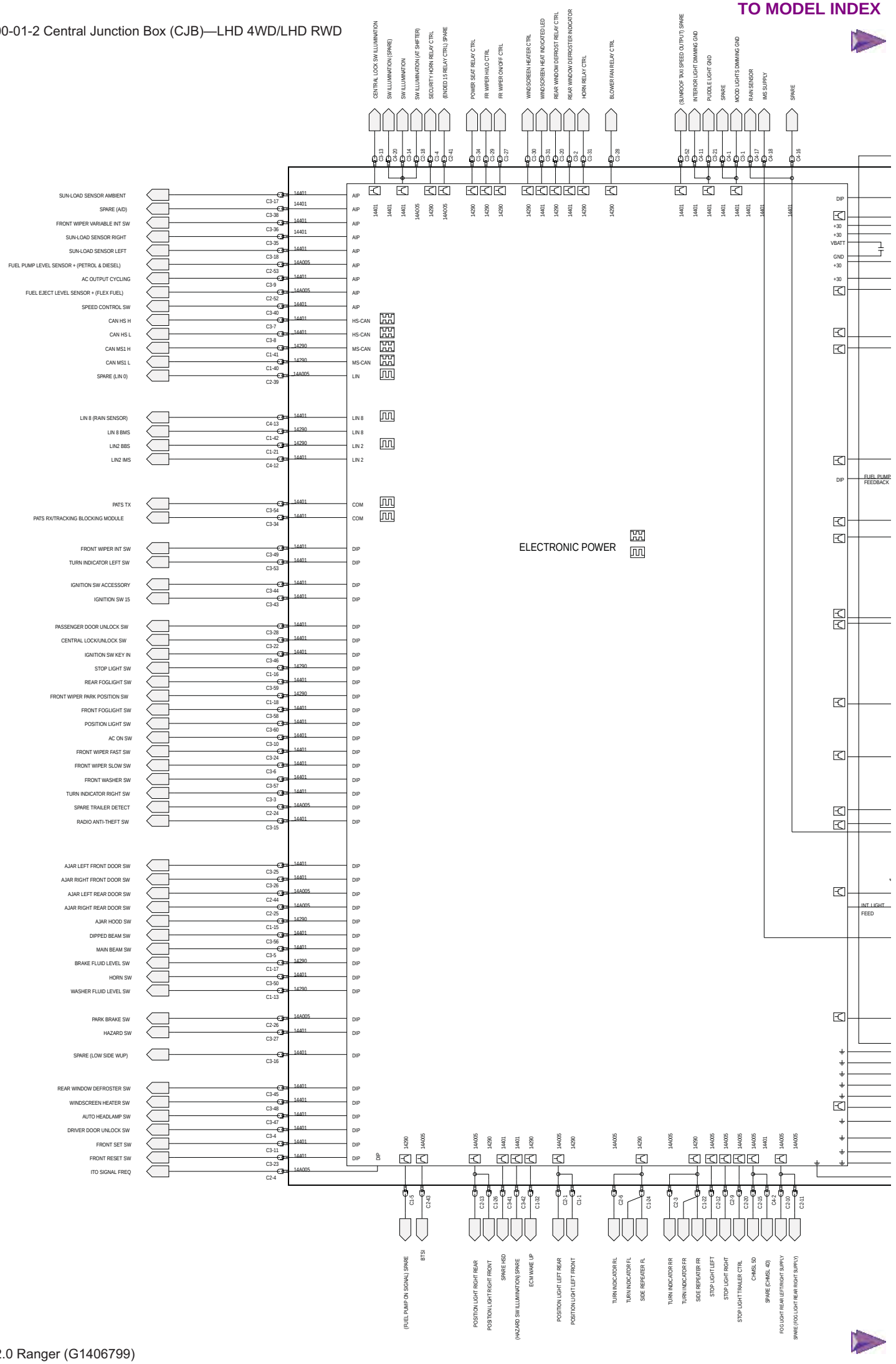
VEHICLE APPLICATION: 2012.0 Ranger

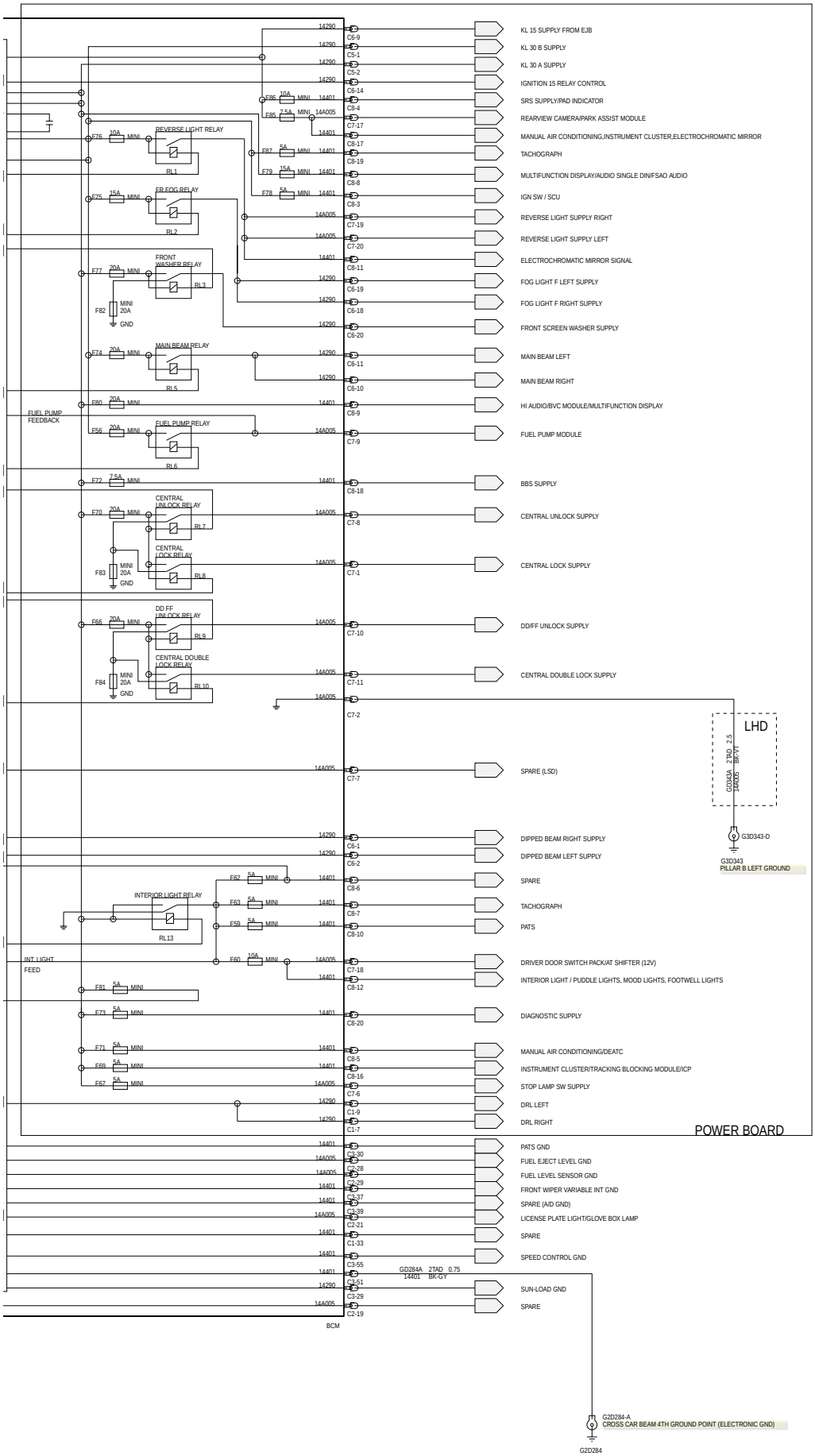
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ELECTRICAL SCHEMATICS

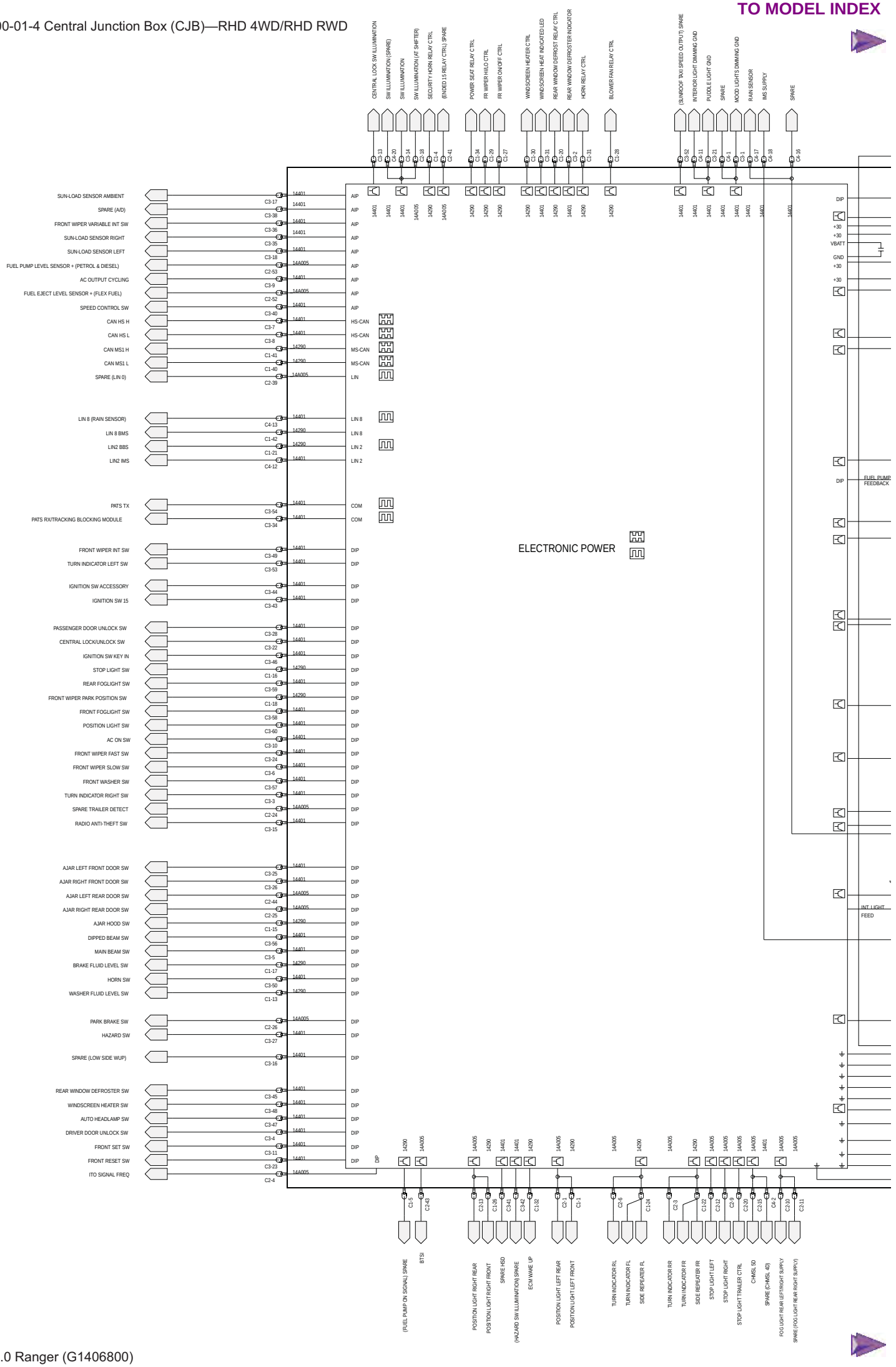
Central Junction Box (CJB) — LHD 4WD/LHD RWD..... 700-01-2
Central Junction Box (CJB) — RHD 4WD/RHD RWD..... 700-01-4

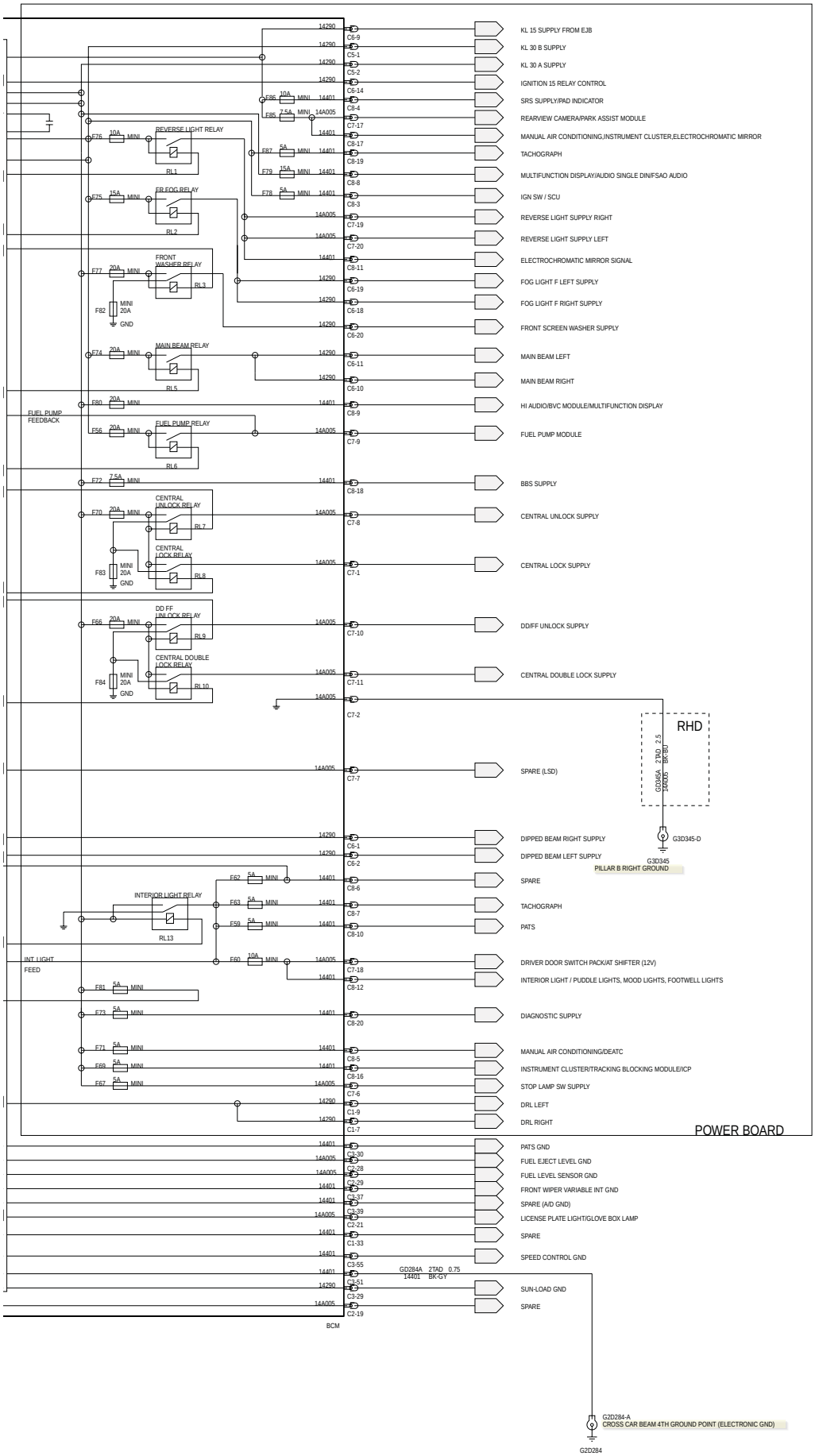
700-01-2 Central Junction Box (CJB)—LHD 4WD/LHD RWD




KL 15 SUPPLY FROM EJB
KL 30 B SUPPLY
KL 30 A SUPPLY
IGNITION 15 RELAY CONTROL
SRS SUPPLY/PAD INDICATOR
REARVIEW CAMERA/PARK ASSIST MODULE
MANUAL AIR CONDITIONING,INSTRUMENT CLUSTER,ELECTROCHROMATIC MIRROR
TACHOGRAPH
MULTIFUNCTION DISPLAY/AUDIO SINGLE DIN/FSAO AUDIO
IGN SW / SCU
REVERSE LIGHT SUPPLY RIGHT
REVERSE LIGHT SUPPLY LEFT
ELECTROCHROMATIC MIRROR SIGNAL
FOG LIGHT F LEFT SUPPLY
FOG LIGHT F RIGHT SUPPLY
FRONT SCREEN WASHER SUPPLY
MAIN BEAM LEFT
MAIN BEAM RIGHT
HI AUDIO/BVC MODULE/MULTIFUNCTION DISPLAY
FUEL PUMP MODULE
BBS SUPPLY
CENTRAL UNLOCK SUPPLY
CENTRAL LOCK SUPPLY
DD/FF UNLOCK SUPPLY
CENTRAL DOUBLE LOCK SUPPLY
SPARE (LSD)
DIPPED BEAM RIGHT SUPPLY
DIPPED BEAM LEFT SUPPLY
SPARE
TACHOGRAPH
PATS
DRIVER DOOR SWITCH PACK/AT SHIFTER (12V)
INTERIOR LIGHT / PUDDLE LIGHTS, MOOD LIGHTS, FOOTWELL LIGHTS
DIAGNOSTIC SUPPLY
MANUAL AIR CONDITIONING/DEATC
INSTRUMENT CLUSTER/TRACKING BLOCKING MODULE/ICP
STOP LAMP SW SUPPLY
DRL LEFT
DRL RIGHT
POWER BOARD
PATS GND
FUEL EJECT LEVEL GND
FUEL LEVEL SENSOR GND
FRONT WIPER VARIABLE INT GND
SPARE (A/D GND)
LICENSE PLATE LIGHT/GLOVE BOX LAMP
SPARE
SPEED CONTROL GND
SUN-LOAD GND
SPARE
BCM
REVERSE LIGHT RELAY
FR FOG RELAY
FRONT WASHER RELAY
MAIN BEAM RELAY
FUEL PUMP RELAY
CENTRAL UNLOCK RELAY
CENTRAL LOCK RELAY
DD FF UNLOCK RELAY
CENTRAL DOUBLE LOCK RELAY
INTERIOR LIGHT RELAY
FUEL PUMP FEEDBACK
INT LIGHT FEED
LHD
G3D343-D
G3D343
PILLAR B LEFT GROUND
G2D284-A
CROSS CAR BEAM 4TH GROUND POINT (ELECTRONIC GND)
G2D284

700-01-4 Central Junction Box (CJB)—RHD 4WD/RHD RWD





NOTE :

AIP - ANALOG INPUT
DIP - DIGITAL INPUT
FET - HIGH SIDE DRIVER OR LOW SIDE DRIVER
ALL RELAYS IN BCM ARE SOLDERED

SECTION 700-02 Power Distribution

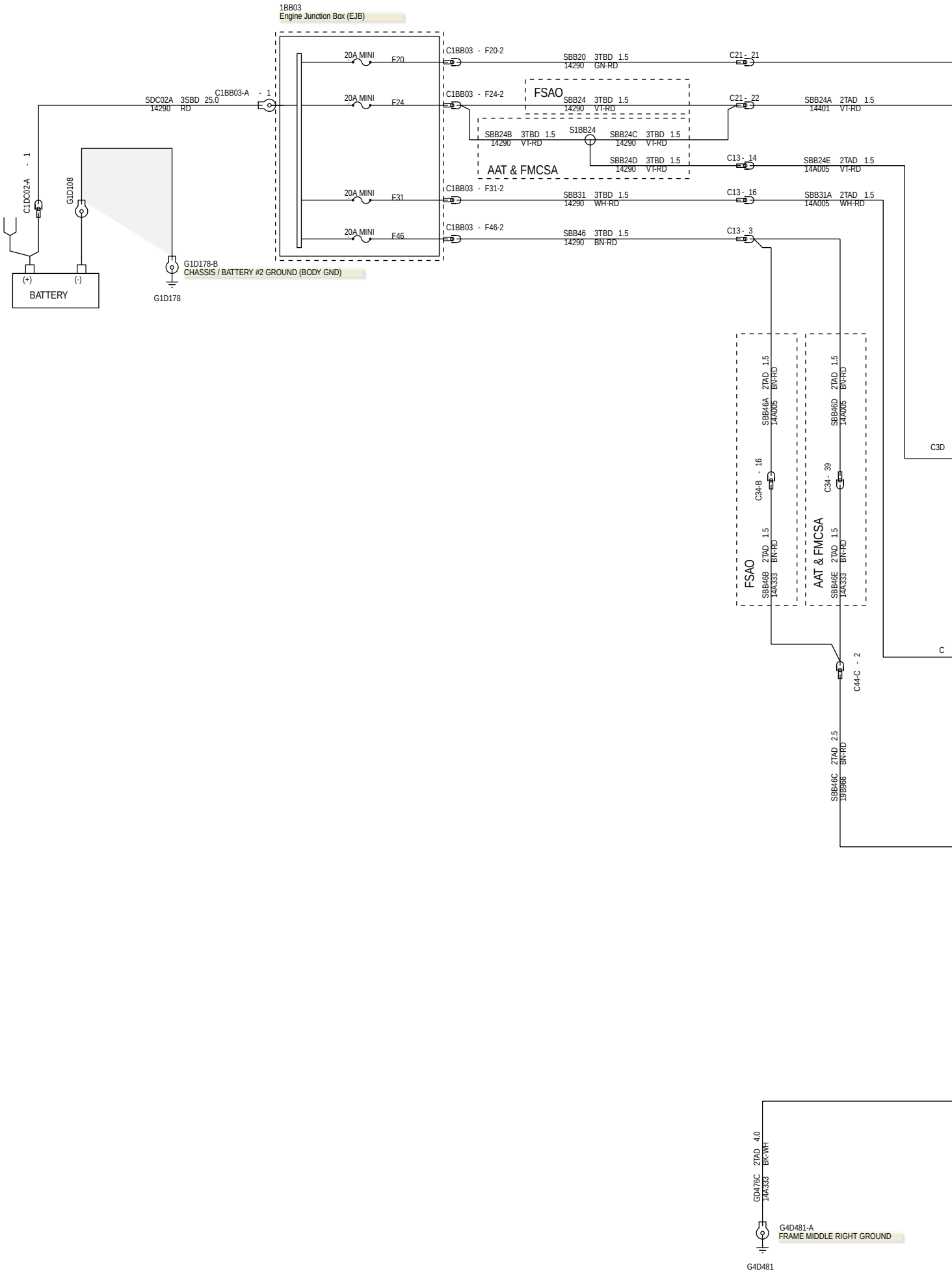
VEHICLE APPLICATION: 2012.0 Ranger

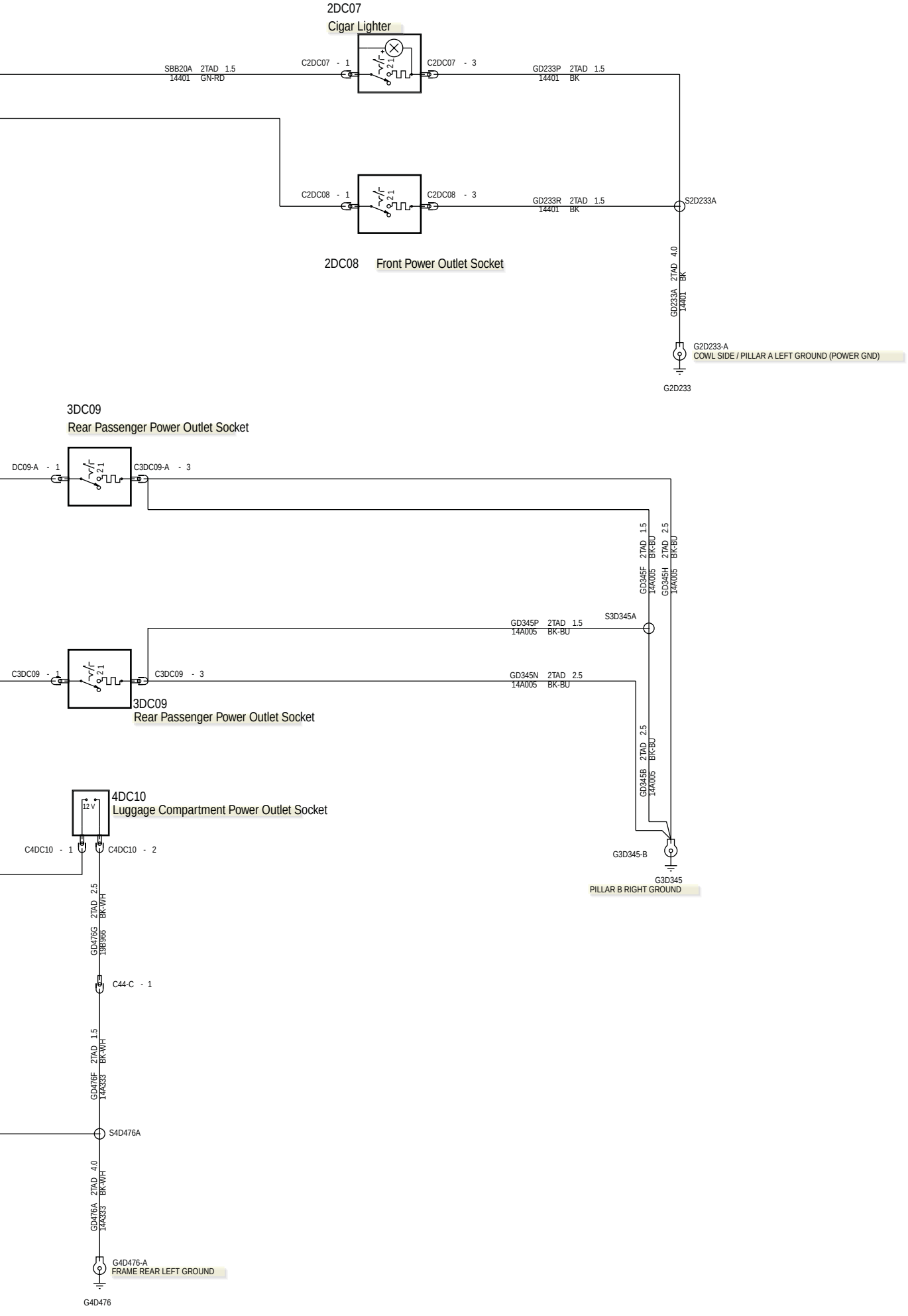
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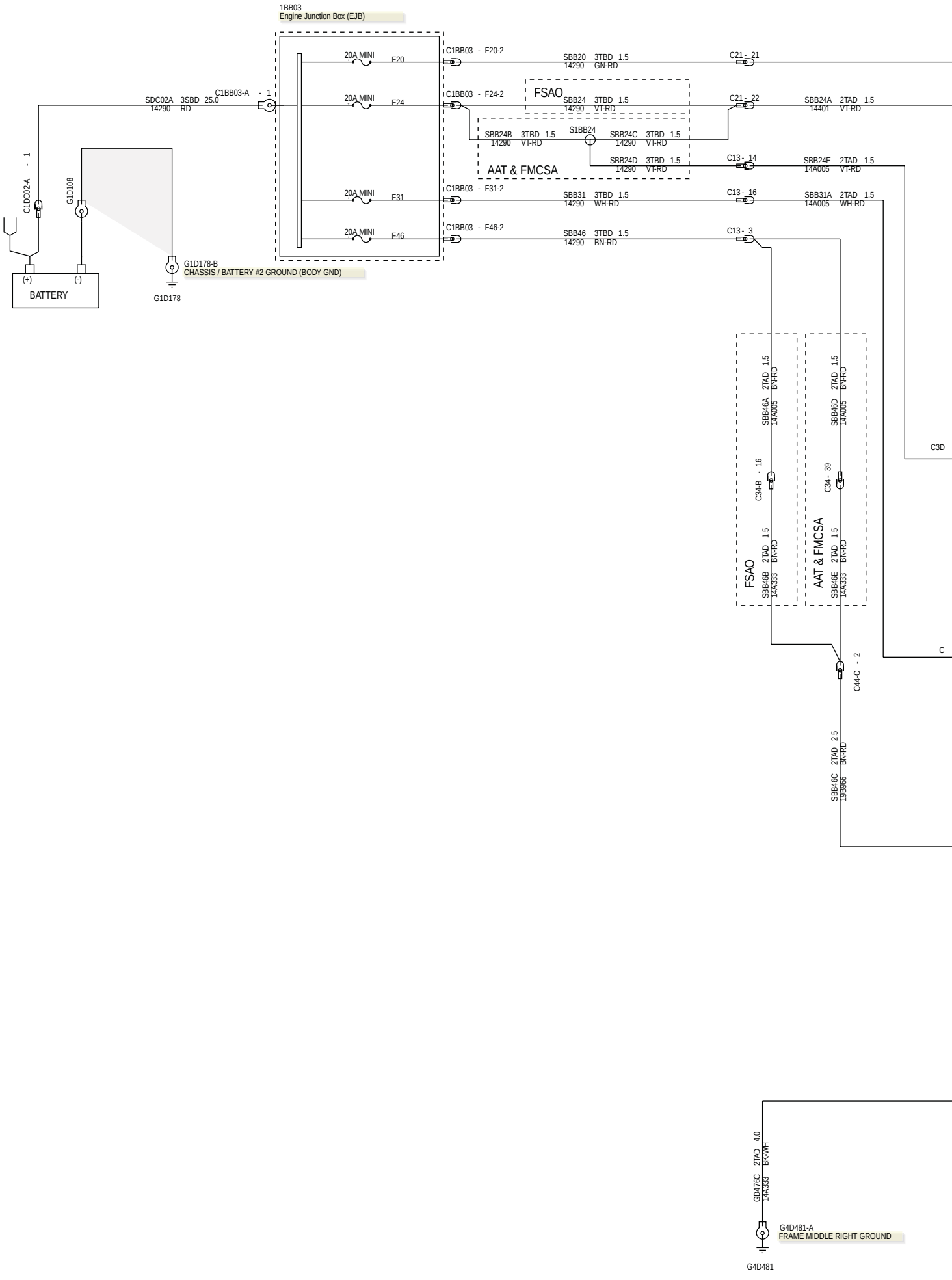
Cigar Lighter and Power Points — LHD 4WD/LHD RWD..... 700-02-2
Cigar Lighter and Power Points — RHD 4WD/RHD RWD..... 700-02-4
Power Distribution..... 700-02-6

700-02-2 Cigar Lighter and Power Points—LHD 4WD/LHD RWD

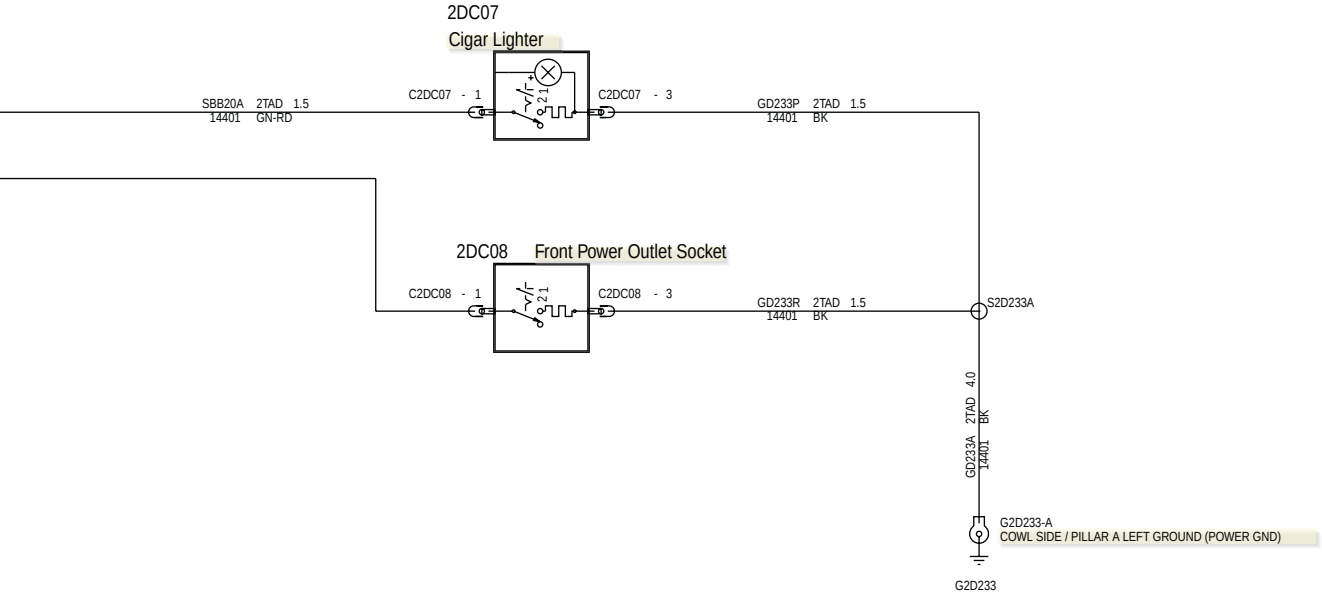


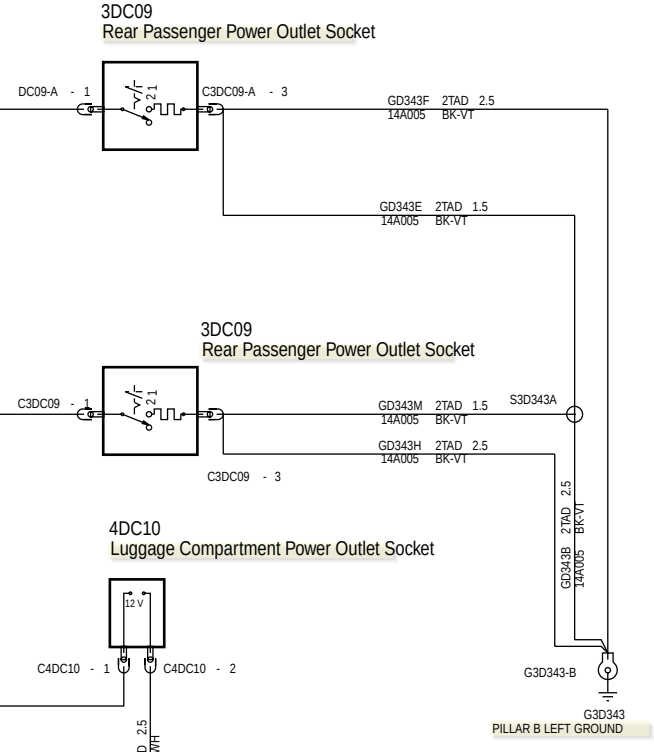

2DC07
Cigar Lighter
SBB20A 2TAD 1.5
14401 GN-RD
C2DC07 - 1
C2DC07 - 3
GD233P 2TAD 1.5
14401 BK
C2DC08 - 1
C2DC08 - 3
GD233R 2TAD 1.5
14401 BK
S2D233A
2DC08 Front Power Outlet Socket
GD233A 2TAD 4.0
14401 BK
G2D233-A
COWL SIDE / PILLAR A LEFT GROUND (POWER GND)
G2D233
3DC09
Rear Passenger Power Outlet Socket
DC09-A - 1
C3DC09-A - 3
GD345F 2TAD 1.5
14A005 BK-BU
GD345H 2TAD 2.5
14A005 BK-BU
S3D345A
GD345P 2TAD 1.5
14A005 BK-BU
C3DC09 - 1
C3DC09 - 3
GD345N 2TAD 2.5
14A005 BK-BU
3DC09
Rear Passenger Power Outlet Socket
GD345B 2TAD 2.5
14A005 BK-BU
4DC10
Luggage Compartment Power Outlet Socket
12 V
C4DC10 - 1
C4DC10 - 2
G3D345-B
G3D345
PILLAR B RIGHT GROUND
GD476G 2TAD 2.5
19B986 BK-WH
C44-C - 1
GD476F 2TAD 1.5
14A333 BK-WH
S4D476A
GD476A 2TAD 4.0
14A333 BK-WH
G4D476-A
FRAME REAR LEFT GROUND
G4D476

700-02-4 Cigar Lighter and Power Points—RHD 4WD/RHD RWD

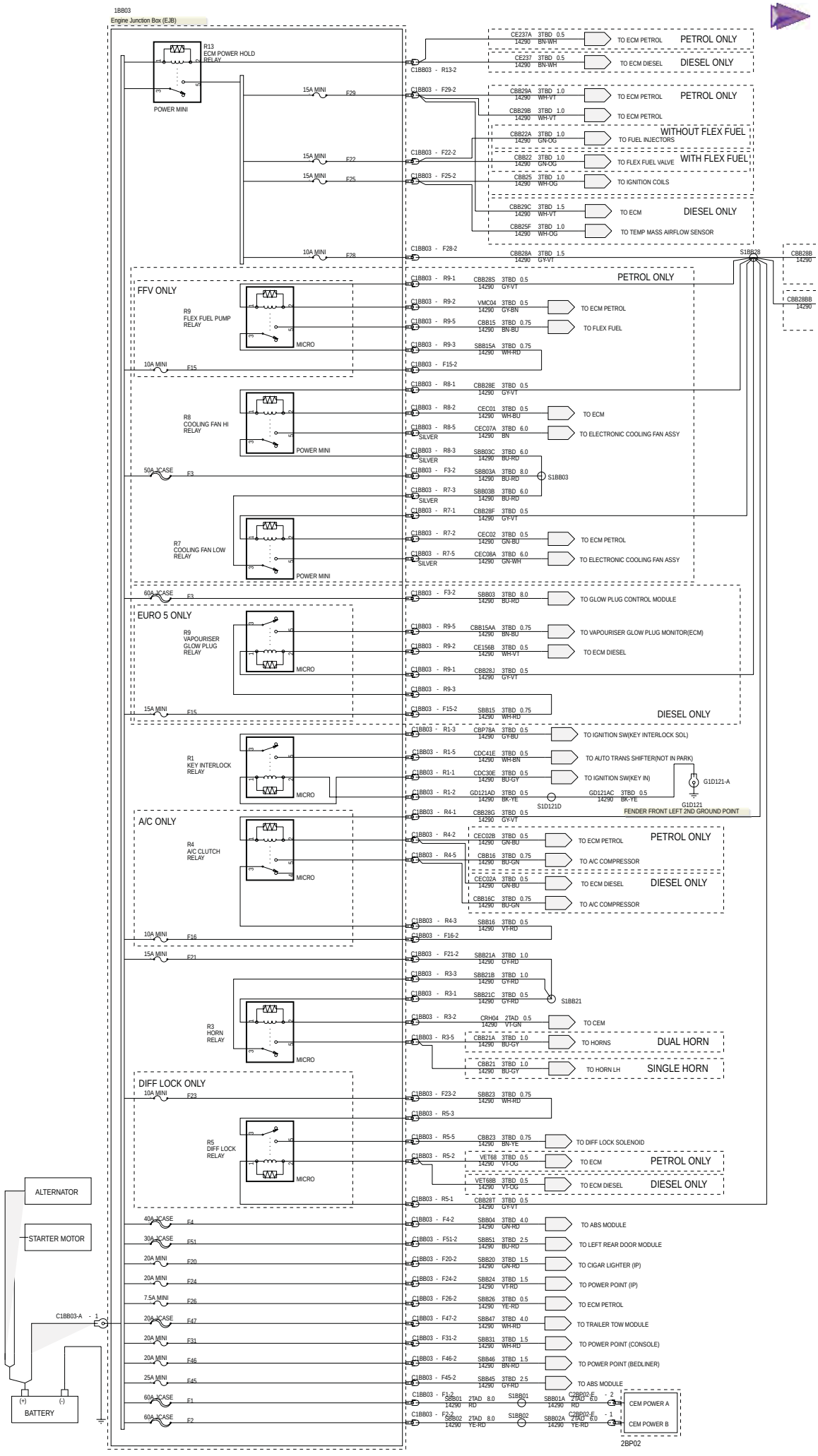


700-02-5 Cigar Lighter and Power Points—RHD 4WD/RHD RWD

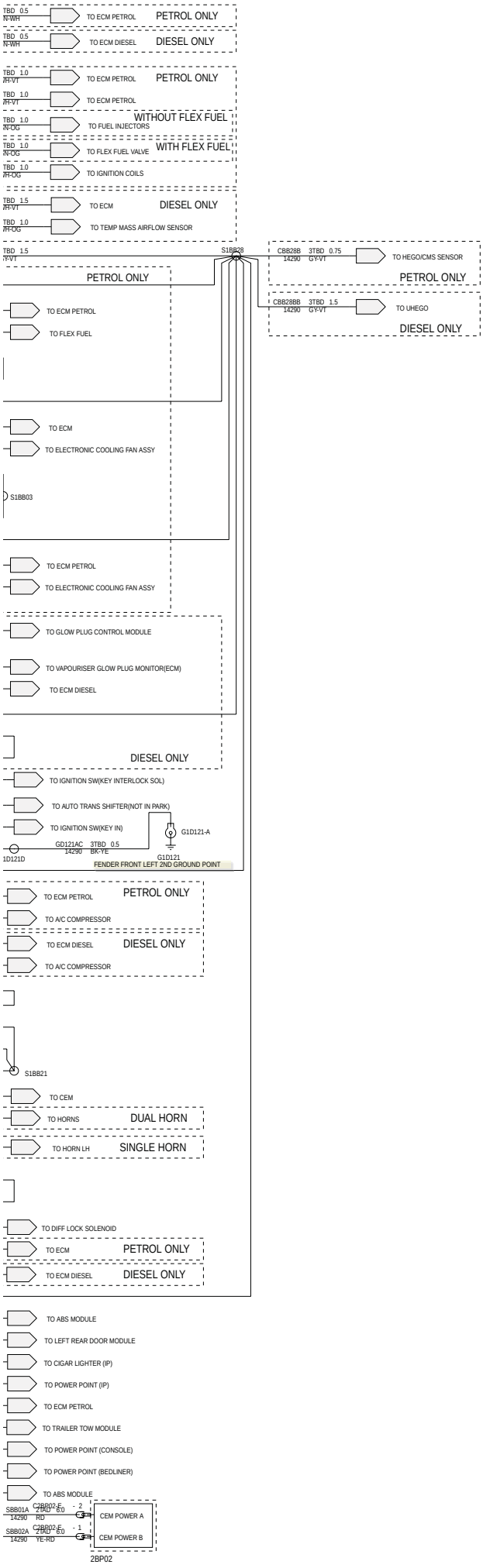


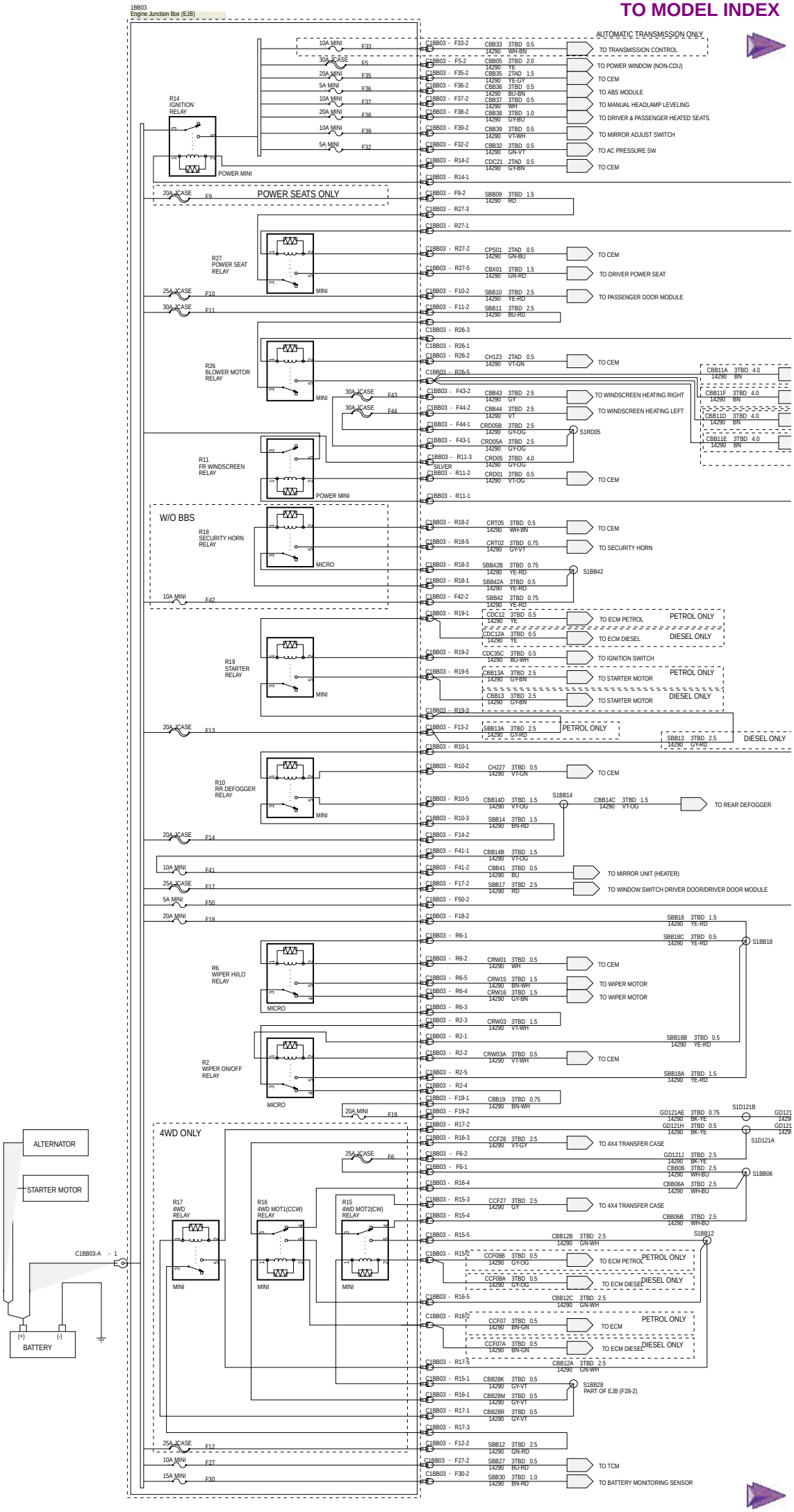


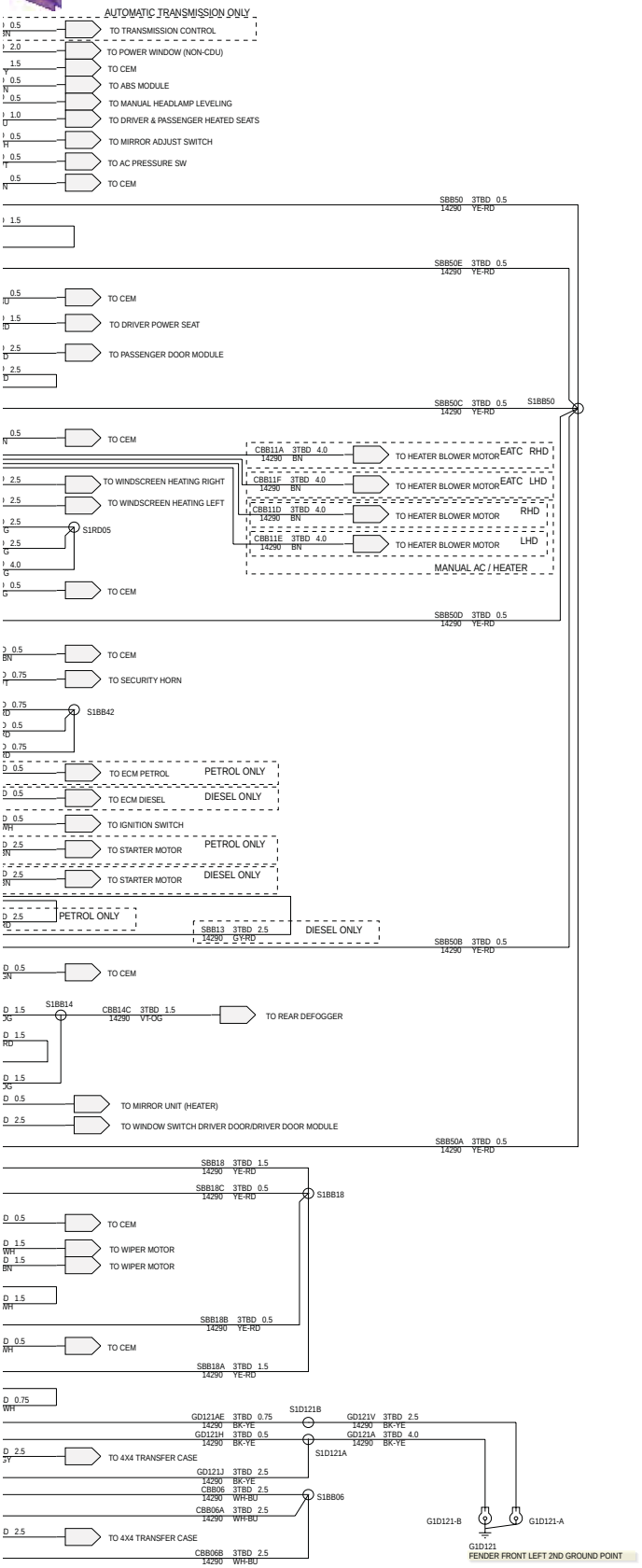
700-02-6 Power Distribution



700-02-7 Power Distribution




1BB03
Engine Junction Box (EJB)
AUTOMATIC TRANSMISSION ONLY
TO TRANSMISSION CONTROL
TO POWER WINDOW (NON-CDU)
TO CEM
TO ABS MODULE
TO MANUAL HEADLAMP LEVELING
TO DRIVER & PASSENGER HEATED SEATS
TO MIRROR ADJUST SWITCH
TO AC PRESSURE SW
TO CEM
R14
IGNITION
RELAY
POWER MINI
POWER SEATS ONLY
R27
POWER SEAT
RELAY
MINI
TO CEM
TO DRIVER POWER SEAT
TO PASSENGER DOOR MODULE
R26
BLOWER MOTOR
RELAY
TO CEM
TO WINDSCREEN HEATING RIGHT
TO WINDSCREEN HEATING LEFT
S1RD05
R11
FR WINDSCREEN
RELAY
SILVER
TO CEM
W/O BBS
R18
SECURITY HORN
RELAY
MICRO
TO CEM
TO SECURITY HORN
S1BB42
PETROL ONLY
TO ECM PETROL
DIESEL ONLY
TO ECM DIESEL
R19
STARTER
RELAY
TO IGNITION SWITCH
TO STARTER MOTOR
TO STARTER MOTOR
DIESEL ONLY
R10
RR DEFOGGER
RELAY
TO CEM
S1BB14
TO REAR DEFOGGER
TO MIRROR UNIT (HEATER)
TO WINDOW SWITCH DRIVER DOOR/DRIVER DOOR MODULE
R6
WIPER HI/LO
RELAY
MICRO
TO CEM
TO WIPER MOTOR
TO WIPER MOTOR
S1BB18
R2
WIPER ON/OFF
RELAY
MICRO
TO CEM
S1D121B
S1D121A
4WD ONLY
TO 4X4 TRANSFER CASE
S1BB06
TO 4X4 TRANSFER CASE
S1BB12
R17
4WD
RELAY
R16
4WD MOT1(CCW)
RELAY
R15
4WD MOT2(CW)
RELAY
TO ECM PETROL
TO ECM DIESEL
TO ECM
TO ECM DIESEL
S1BB28
PART OF EJB (F28-2)
TO TCM
TO BATTERY MONITORING SENSOR
ALTERNATOR
STARTER MOTOR
C1BB03-A - 1
BATTERY


AUTOMATIC TRANSMISSION ONLY
TO TRANSMISSION CONTROL
TO POWER WINDOW (NON-CDU)
TO CEM
TO ABS MODULE
TO MANUAL HEADLAMP LEVELING
TO DRIVER & PASSENGER HEATED SEATS
TO MIRROR ADJUST SWITCH
TO AC PRESSURE SW
TO CEM
SBB50 3TBD 0.5 14290 YE-RD
SBB50E 3TBD 0.5 14290 YE-RD
TO CEM
TO DRIVER POWER SEAT
TO PASSENGER DOOR MODULE
SBB50C 3TBD 0.5 14290 YE-RD
S1BB50
TO CEM
CBB11A 3TBD 4.0 14290 BN
TO HEATER BLOWER MOTOR
EATC RHD
CBB11F 3TBD 4.0 14290 BN
TO HEATER BLOWER MOTOR
EATC LHD
CBB11D 3TBD 4.0 14290 BN
TO HEATER BLOWER MOTOR
RHD
CBB11E 3TBD 4.0 14290 BN
TO HEATER BLOWER MOTOR
LHD
MANUAL AC / HEATER
TO WINDSCREEN HEATING RIGHT
TO WINDSCREEN HEATING LEFT
S1RD05
TO CEM
SBB50D 3TBD 0.5 14290 YE-RD
TO CEM
TO SECURITY HORN
S1BB42
TO ECM PETROL
PETROL ONLY
TO ECM DIESEL
DIESEL ONLY
TO IGNITION SWITCH
TO STARTER MOTOR
PETROL ONLY
TO STARTER MOTOR
DIESEL ONLY
PETROL ONLY
SBB13 3TBD 2.5 14290 GY-RD
DIESEL ONLY
SBB50B 3TBD 0.5 14290 YE-RD
TO CEM
S1BB14
CBB14C 3TBD 1.5 14290 VT-OG
TO REAR DEFOGGER
TO MIRROR UNIT (HEATER)
TO WINDOW SWITCH DRIVER DOOR/DRIVER DOOR MODULE
SBB50A 3TBD 0.5 14290 YE-RD
SBB18 3TBD 1.5 14290 YE-RD
SBB18C 3TBD 0.5 14290 YE-RD
S1BB18
TO CEM
TO WIPER MOTOR
TO WIPER MOTOR
SBB18B 3TBD 0.5 14290 YE-RD
TO CEM
SBB18A 3TBD 1.5 14290 YE-RD
S1D121B
GD121AE 3TBD 0.75 14290 BK-YE
GD121H 3TBD 0.5 14290 BK-YE
GD121V 3TBD 2.5 14290 BK-YE
GD121A 3TBD 4.0 14290 BK-YE
S1D121A
TO 4X4 TRANSFER CASE
GD121J 3TBD 2.5 14290 BK-YE
CBB06 3TBD 2.5 14290 WH-BU
S1BB06
CBB06A 3TBD 2.5 14290 WH-BU
TO 4X4 TRANSFER CASE
CBB06B 3TBD 2.5 14290 WH-BU
G1D121-B
G1D121-A
G1D121
FENDER FRONT LEFT 2ND GROUND POINT
S1BB12
CBB12B 3TBD 2.5 14290 GN-WH
TO ECM PETROL
PETROL ONLY
TO ECM DIESEL
DIESEL ONLY
CBB12C 3TBD 2.5 14290 GN-WH
TO ECM
PETROL ONLY
TO ECM DIESEL
DIESEL ONLY
CBB12A 3TBD 2.5 14290 GN-WH
S1BB28
PART OF EJB (F28-2)
TO TCM
TO BATTERY MONITORING SENSOR

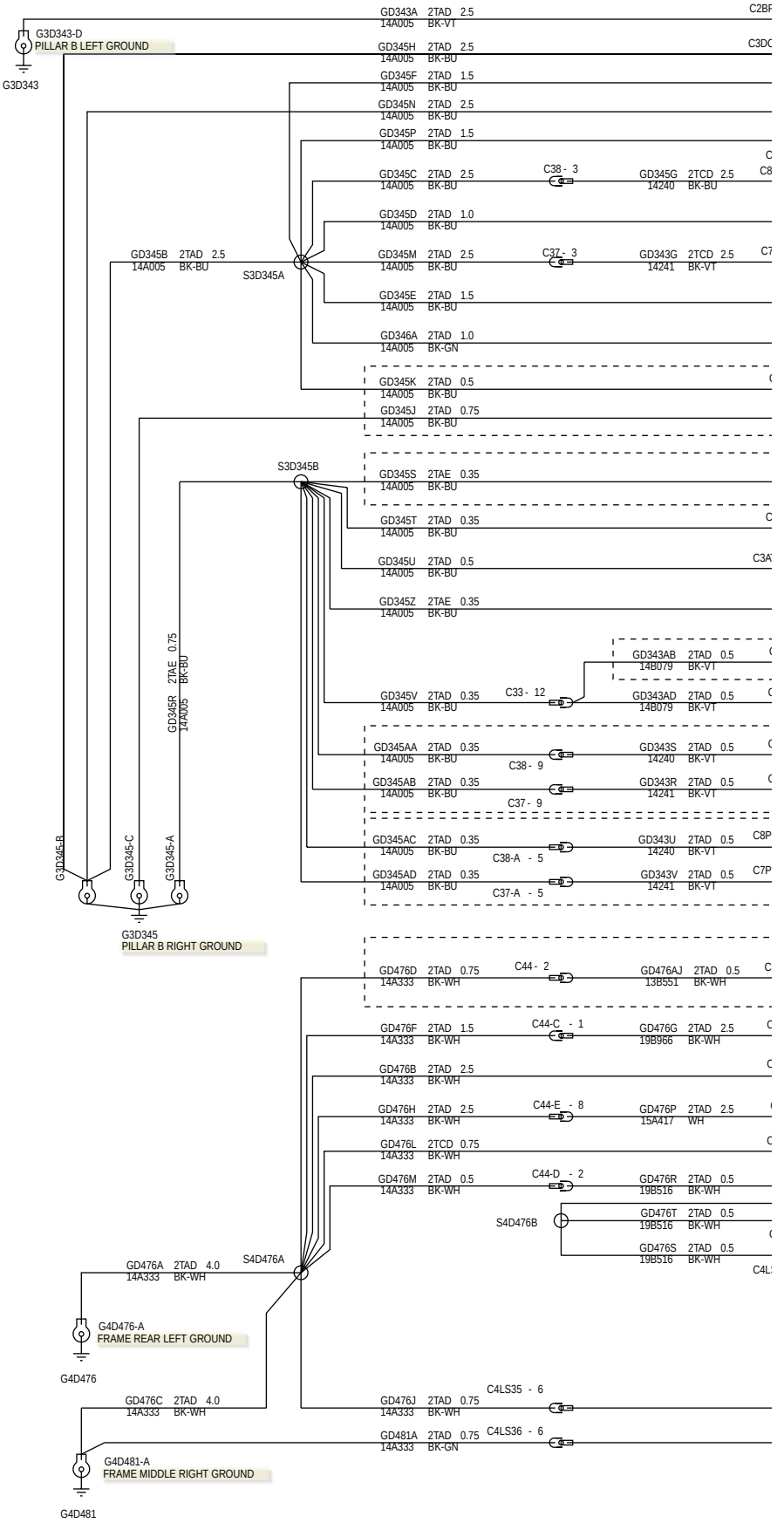
SECTION 700-03 Grounding Strategy

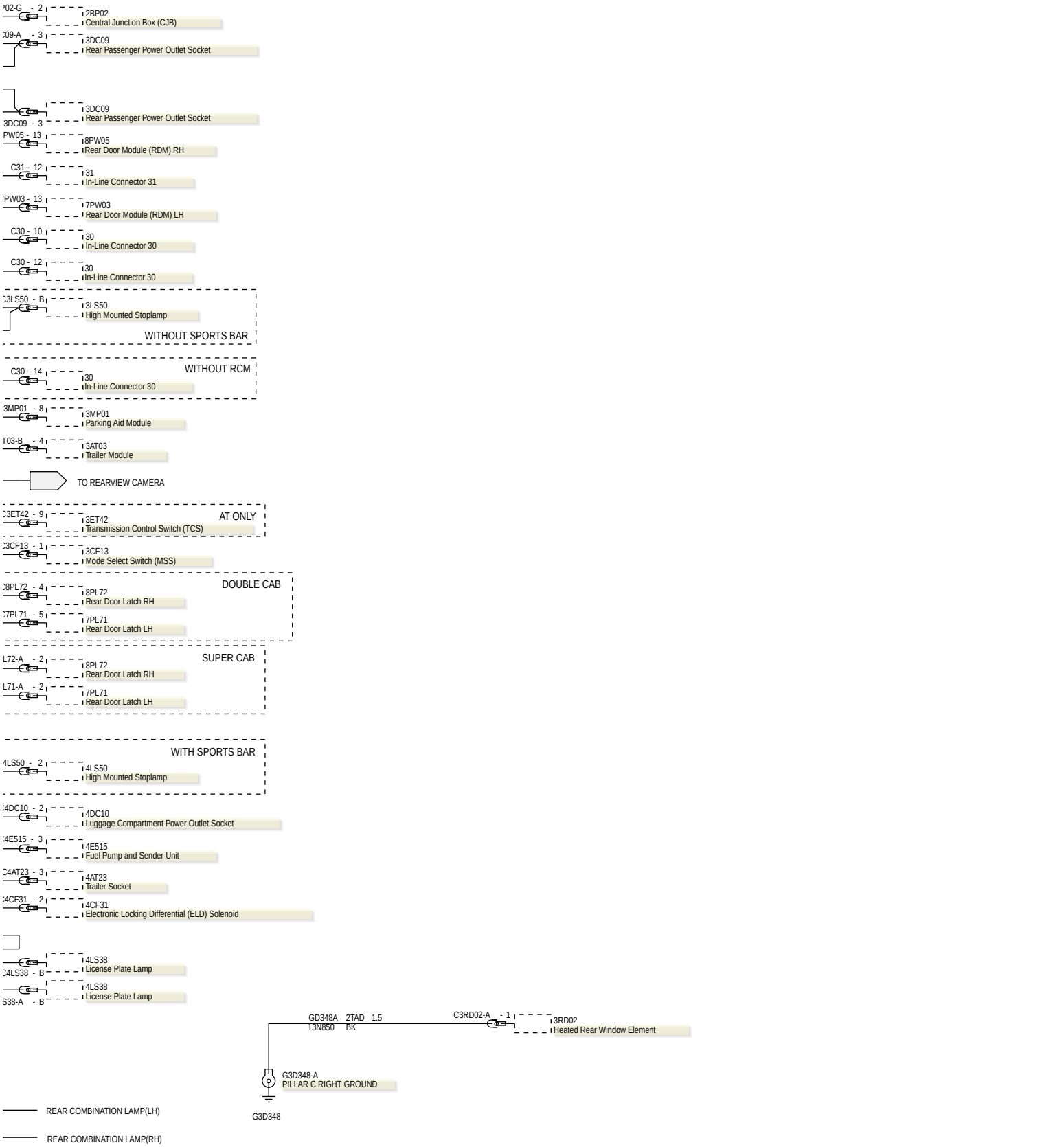
VEHICLE APPLICATION: 2012.0 Ranger

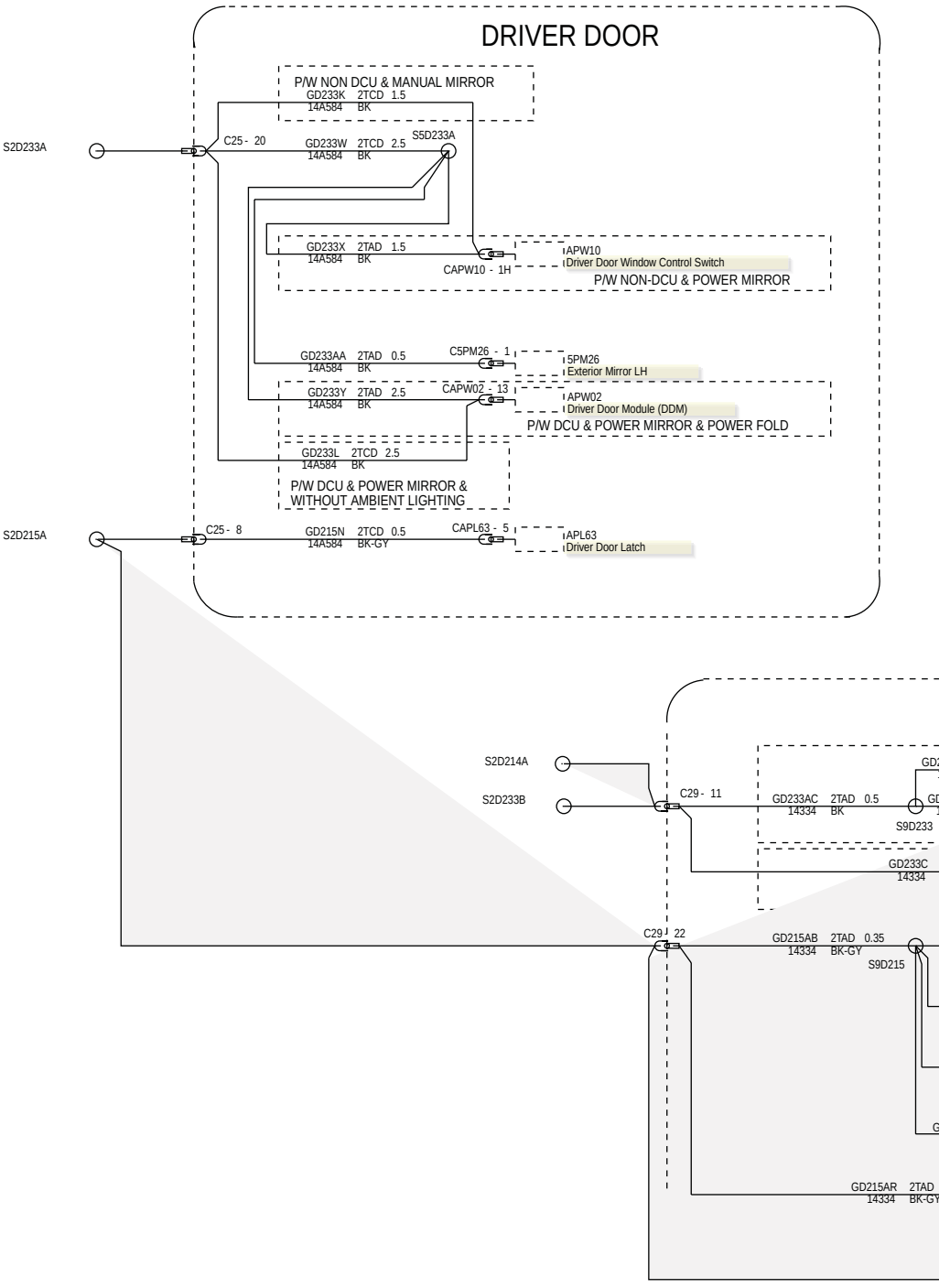
CONTENTS PAGE

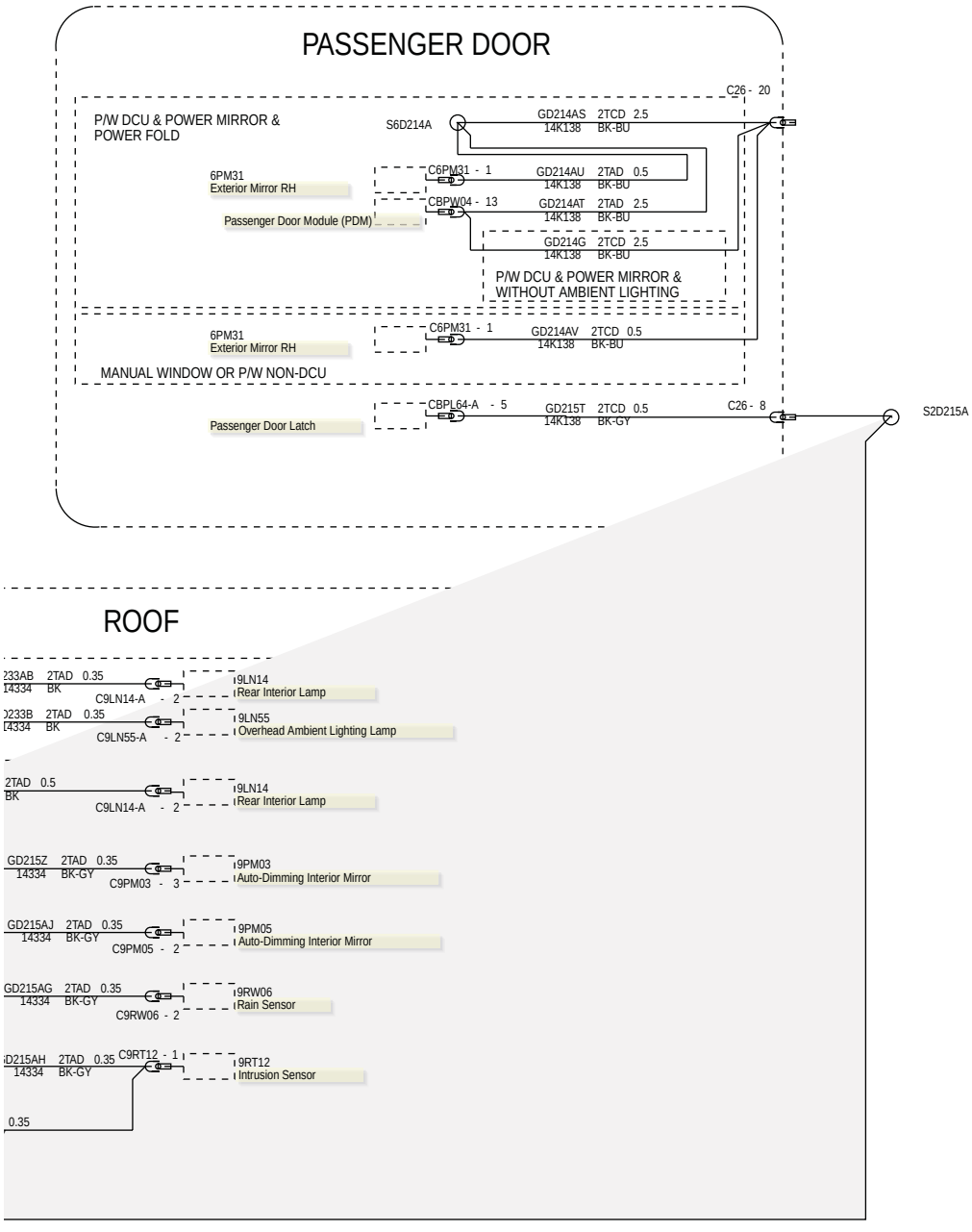
ELECTRICAL SCHEMATICS

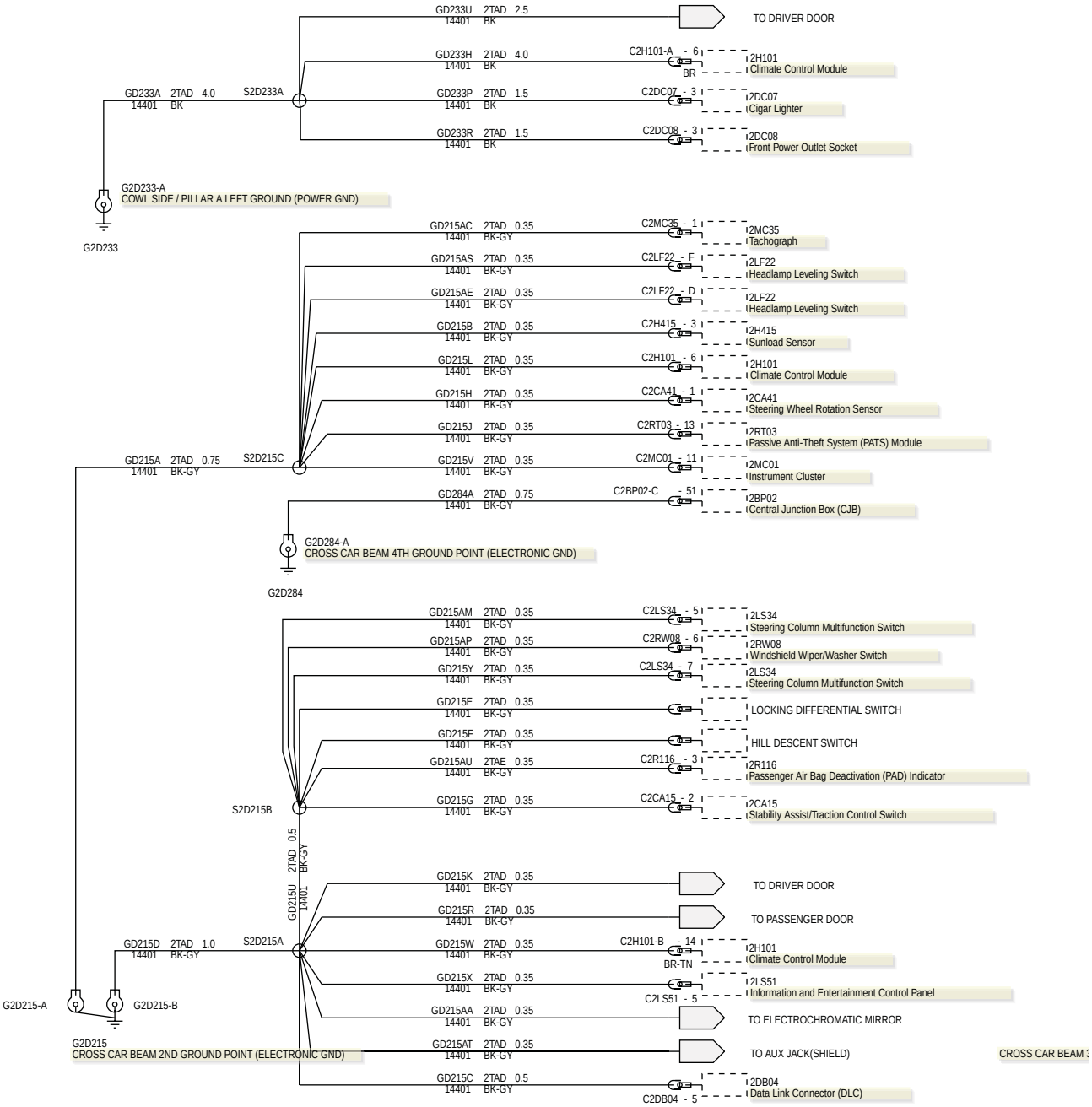
Grounding — LHD..... 700-03-2
Grounding — RHD..... 700-03-10

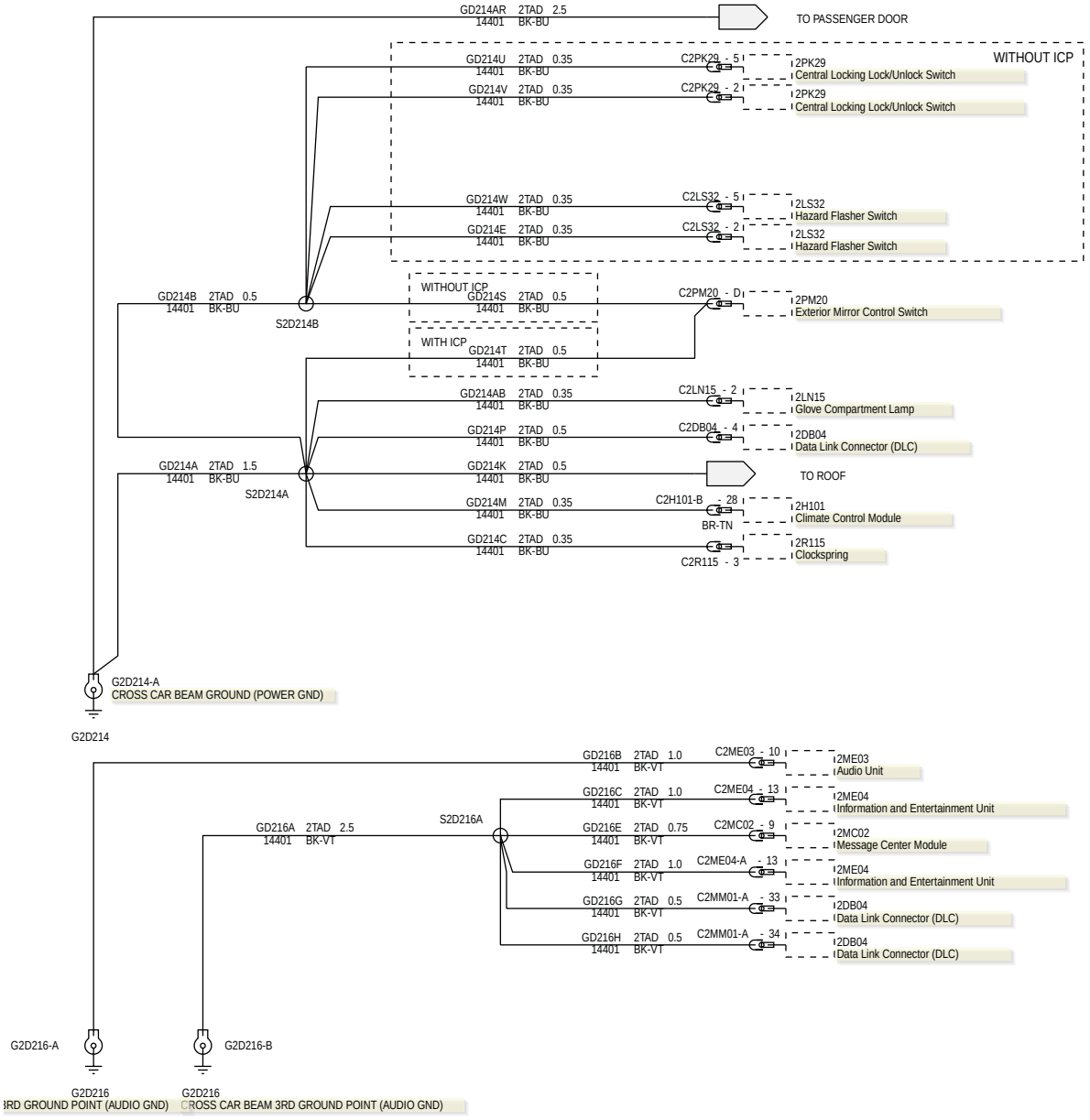

G3D343-D
PILLAR B LEFT GROUND
G3D343
GD343A 2TAD 2.5 14A005 BK-VT
GD345H 2TAD 2.5 14A005 BK-BU
GD345F 2TAD 1.5 14A005 BK-BU
GD345N 2TAD 2.5 14A005 BK-BU
GD345P 2TAD 1.5 14A005 BK-BU
GD345C 2TAD 2.5 14A005 BK-BU
C38 - 3
GD345G 2TCD 2.5 14240 BK-BU
GD345D 2TAD 1.0 14A005 BK-BU
GD345B 2TAD 2.5 14A005 BK-BU
S3D345A
GD345M 2TAD 2.5 14A005 BK-BU
C37 - 3
GD343G 2TCD 2.5 14241 BK-VT
GD345E 2TAD 1.5 14A005 BK-BU
GD346A 2TAD 1.0 14A005 BK-GN
GD345K 2TAD 0.5 14A005 BK-BU
GD345J 2TAD 0.75 14A005 BK-BU
S3D345B
GD345S 2TAE 0.35 14A005 BK-BU
GD345T 2TAD 0.35 14A005 BK-BU
GD345U 2TAD 0.5 14A005 BK-BU
GD345Z 2TAE 0.35 14A005 BK-BU
GD345R 2TAE 0.75 14A005 BK-BU
GD343AB 2TAD 0.5 14B079 BK-VT
GD345V 2TAD 0.35 14A005 BK-BU
C33 - 12
GD343AD 2TAD 0.5 14B079 BK-VT
GD345AA 2TAD 0.35 14A005 BK-BU
C38 - 9
GD343S 2TAD 0.5 14240 BK-VT
GD345AB 2TAD 0.35 14A005 BK-BU
C37 - 9
GD343R 2TAD 0.5 14241 BK-VT
GD345AC 2TAD 0.35 14A005 BK-BU
C38-A - 5
GD343U 2TAD 0.5 14240 BK-VT
GD345AD 2TAD 0.35 14A005 BK-BU
C37-A - 5
GD343V 2TAD 0.5 14241 BK-VT
G3D345-B
G3D345-C
G3D345-A
G3D345
PILLAR B RIGHT GROUND
GD476D 2TAD 0.75 14A333 BK-WH
C44 - 2
GD476AJ 2TAD 0.5 13B551 BK-WH
GD476F 2TAD 1.5 14A333 BK-WH
C44-C - 1
GD476G 2TAD 2.5 19B966 BK-WH
GD476B 2TAD 2.5 14A333 BK-WH
GD476H 2TAD 2.5 14A333 BK-WH
C44-E - 8
GD476P 2TAD 2.5 15A417 WH
GD476L 2TCD 0.75 14A333 BK-WH
GD476M 2TAD 0.5 14A333 BK-WH
C44-D - 2
GD476R 2TAD 0.5 19B516 BK-WH
S4D476B
GD476T 2TAD 0.5 19B516 BK-WH
GD476S 2TAD 0.5 19B516 BK-WH
GD476A 2TAD 4.0 14A333 BK-WH
S4D476A
G4D476-A
FRAME REAR LEFT GROUND
G4D476
GD476C 2TAD 4.0 14A333 BK-WH
C4LS35 - 6
GD476J 2TAD 0.75 14A333 BK-WH
GD481A 2TAD 0.75 14A333 BK-GN
C4LS36 - 6
G4D481-A
FRAME MIDDLE RIGHT GROUND
G4D481

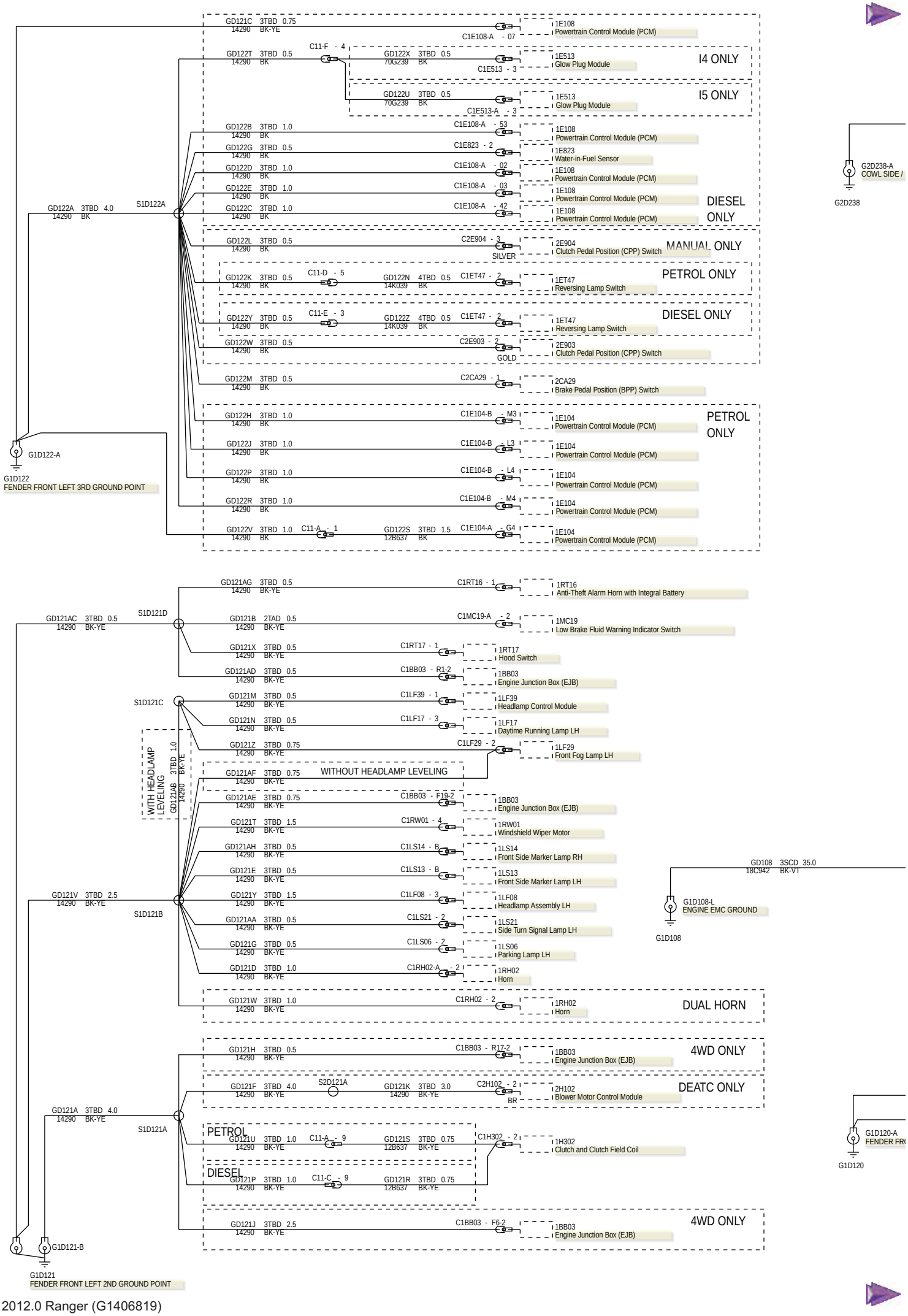

02-G - 2
2BP02
Central Junction Box (CJB)
09-A - 3
3DC09
Rear Passenger Power Outlet Socket
3DC09
3DC09 - 3
Rear Passenger Power Outlet Socket
PW05 - 13
8PW05
Rear Door Module (RDM) RH
C31 - 12
31
In-Line Connector 31
PW03 - 13
7PW03
Rear Door Module (RDM) LH
C30 - 10
30
In-Line Connector 30
C30 - 12
30
In-Line Connector 30
3LS50 - B
3LS50
High Mounted Stoplamp
WITHOUT SPORTS BAR
WITHOUT RCM
C30 - 14
30
In-Line Connector 30
3MP01 - 8
3MP01
Parking Aid Module
T03-B - 4
3AT03
Trailer Module
TO REARVIEW CAMERA
3ET42 - 9
AT ONLY
3ET42
Transmission Control Switch (TCS)
3CF13 - 1
3CF13
Mode Select Switch (MSS)
DOUBLE CAB
8PL72 - 4
8PL72
Rear Door Latch RH
7PL71 - 5
7PL71
Rear Door Latch LH
SUPER CAB
L72-A - 2
8PL72
Rear Door Latch RH
L71-A - 2
7PL71
Rear Door Latch LH
WITH SPORTS BAR
4LS50 - 2
4LS50
High Mounted Stoplamp
4DC10 - 2
4DC10
Luggage Compartment Power Outlet Socket
4E515 - 3
4E515
Fuel Pump and Sender Unit
C4AT23 - 3
4AT23
Trailer Socket
4CF31 - 2
4CF31
Electronic Locking Differential (ELD) Solenoid
4LS38
4LS38 - B
License Plate Lamp
4LS38
S38-A - B
License Plate Lamp
GD348A 2TAD 1.5
13N850 BK
C3RD02-A - 1
3RD02
Heated Rear Window Element
G3D348-A
PILLAR C RIGHT GROUND
G3D348
REAR COMBINATION LAMP(LH)
REAR COMBINATION LAMP(RH)


DRIVER DOOR
P/W NON DCU & MANUAL MIRROR
GD233K 2TCD 1.5
14A584 BK
S2D233A
C25 - 20
GD233W 2TCD 2.5
14A584 BK
S5D233A
GD233X 2TAD 1.5
14A584 BK
CAPW10 - 1H
APW10
Driver Door Window Control Switch
P/W NON-DCU & POWER MIRROR
GD233AA 2TAD 0.5
14A584 BK
C5PM26 - 1
5PM26
Exterior Mirror LH
GD233Y 2TAD 2.5
14A584 BK
CAPW02 - 13
APW02
Driver Door Module (DDM)
P/W DCU & POWER MIRROR & POWER FOLD
GD233L 2TCD 2.5
14A584 BK
P/W DCU & POWER MIRROR &
WITHOUT AMBIENT LIGHTING
S2D215A
C25 - 8
GD215N 2TCD 0.5
14A584 BK-GY
CAPL63 - 5
APL63
Driver Door Latch
S2D214A
S2D233B
C29 - 11
GD233AC 2TAD 0.5
14334 BK
S9D233
GD233C
14334
C29 - 22
GD215AB 2TAD 0.35
14334 BK-GY
S9D215
GD215AR 2TAD
14334 BK-GY

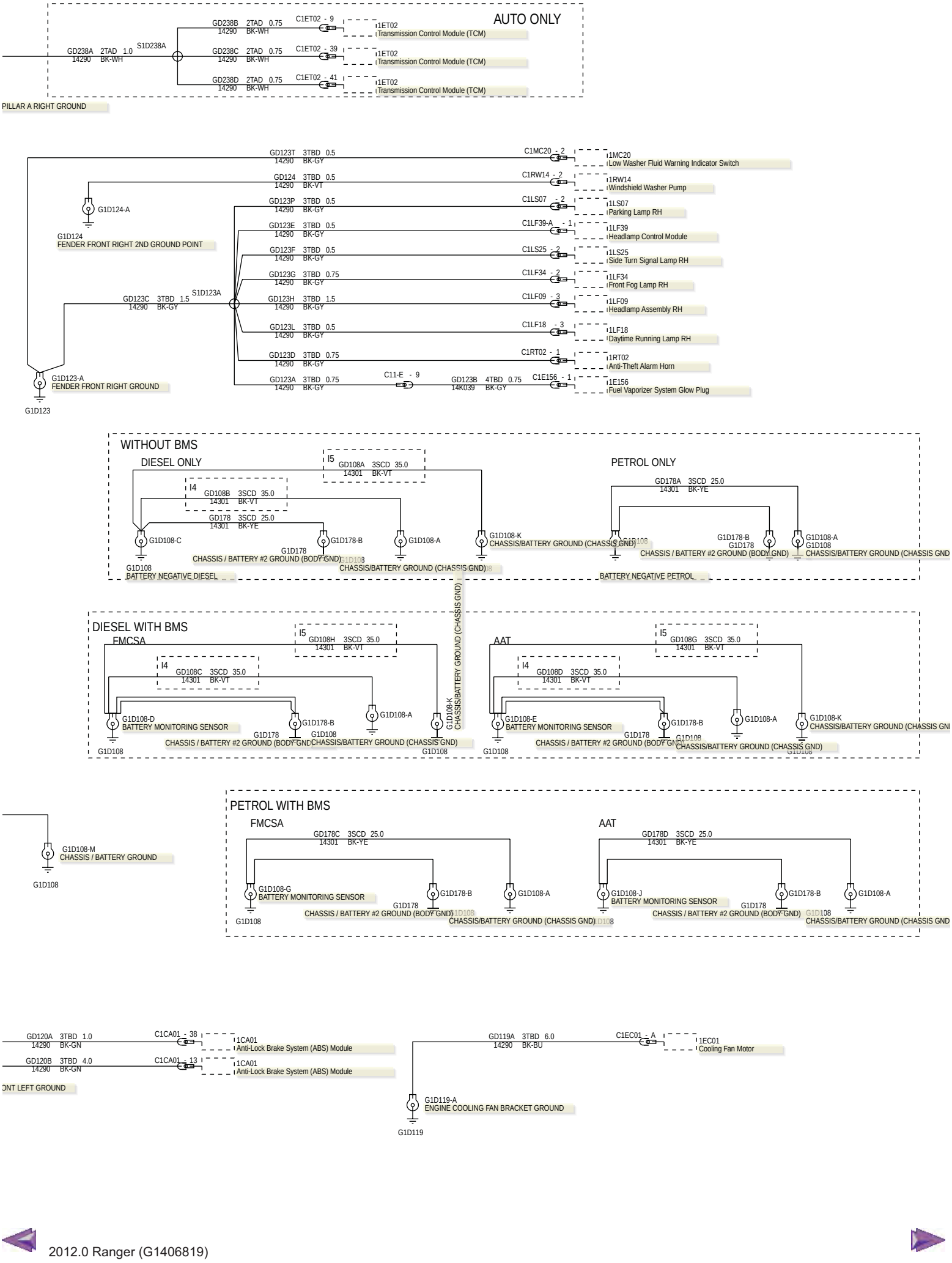

PASSENGER DOOR
C26 - 20
P/W DCU & POWER MIRROR & POWER FOLD
S6D214A
GD214AS 2TCD 2.5
14K138 BK-BU
6PM31
Exterior Mirror RH
C6PM31 - 1
GD214AU 2TAD 0.5
14K138 BK-BU
CBPW04 - 13
GD214AT 2TAD 2.5
14K138 BK-BU
Passenger Door Module (PDM)
GD214G 2TCD 2.5
14K138 BK-BU
P/W DCU & POWER MIRROR & WITHOUT AMBIENT LIGHTING
6PM31
Exterior Mirror RH
C6PM31 - 1
GD214AV 2TCD 0.5
14K138 BK-BU
MANUAL WINDOW OR P/W NON-DCU
CBPL64-A - 5
GD215T 2TCD 0.5
14K138 BK-GY
C26 - 8
S2D215A
Passenger Door Latch
ROOF
233AB 2TAD 0.35
14334 BK
C9LN14-A - 2
9LN14
Rear Interior Lamp
233B 2TAD 0.35
14334 BK
C9LN55-A - 2
9LN55
Overhead Ambient Lighting Lamp
2TAD 0.5
BK
C9LN14-A - 2
9LN14
Rear Interior Lamp
GD215Z 2TAD 0.35
14334 BK-GY
C9PM03 - 3
9PM03
Auto-Dimming Interior Mirror
GD215AJ 2TAD 0.35
14334 BK-GY
C9PM05 - 2
9PM05
Auto-Dimming Interior Mirror
GD215AG 2TAD 0.35
14334 BK-GY
C9RW06 - 2
9RW06
Rain Sensor
D215AH 2TAD 0.35
14334 BK-GY
C9RT12 - 1
9RT12
Intrusion Sensor
0.35

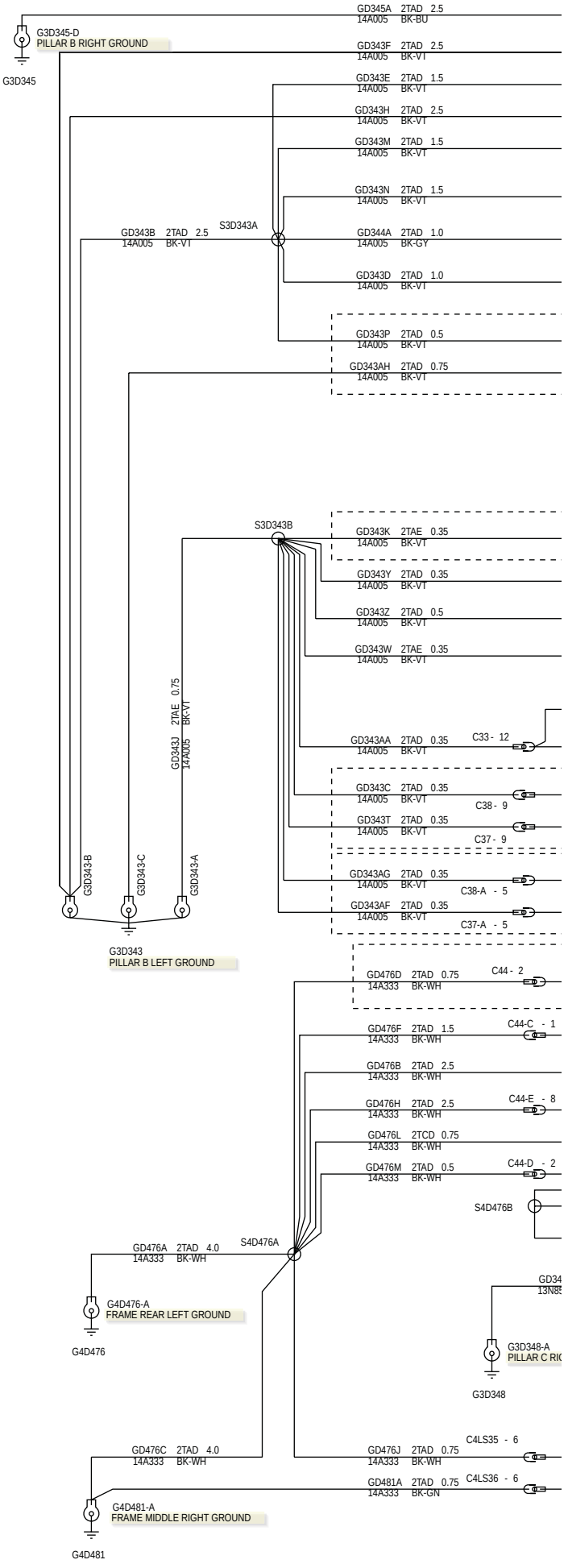

GD233U 2TAD 2.5
14401 BK
TO DRIVER DOOR
GD233H 2TAD 4.0
14401 BK
C2H101-A - 6
BR
2H101
Climate Control Module
GD233A 2TAD 4.0
14401 BK
S2D233A
GD233P 2TAD 1.5
14401 BK
C2DC07 - 3
2DC07
Cigar Lighter
GD233R 2TAD 1.5
14401 BK
C2DC08 - 3
2DC08
Front Power Outlet Socket
G2D233-A
COWL SIDE / PILLAR A LEFT GROUND (POWER GND)
G2D233
GD215AC 2TAD 0.35
14401 BK-GY
C2MC35 - 1
2MC35
Tachograph
GD215AS 2TAD 0.35
14401 BK-GY
C2LF22 - F
2LF22
Headlamp Leveling Switch
GD215AE 2TAD 0.35
14401 BK-GY
C2LF22 - D
2LF22
Headlamp Leveling Switch
GD215B 2TAD 0.35
14401 BK-GY
C2H415 - 3
2H415
Sunload Sensor
GD215L 2TAD 0.35
14401 BK-GY
C2H101 - 6
2H101
Climate Control Module
GD215H 2TAD 0.35
14401 BK-GY
C2CA41 - 1
2CA41
Steering Wheel Rotation Sensor
GD215J 2TAD 0.35
14401 BK-GY
C2RT03 - 13
2RT03
Passive Anti-Theft System (PATS) Module
GD215A 2TAD 0.75
14401 BK-GY
S2D215C
GD215V 2TAD 0.35
14401 BK-GY
C2MC01 - 11
2MC01
Instrument Cluster
GD284A 2TAD 0.75
14401 BK-GY
C2BP02-C - 51
2BP02
Central Junction Box (CJB)
G2D284-A
CROSS CAR BEAM 4TH GROUND POINT (ELECTRONIC GND)
G2D284
GD215AM 2TAD 0.35
14401 BK-GY
C2LS34 - 5
2LS34
Steering Column Multifunction Switch
GD215AP 2TAD 0.35
14401 BK-GY
C2RW08 - 6
2RW08
Windshield Wiper/Washer Switch
GD215Y 2TAD 0.35
14401 BK-GY
C2LS34 - 7
2LS34
Steering Column Multifunction Switch
GD215E 2TAD 0.35
14401 BK-GY
LOCKING DIFFERENTIAL SWITCH
GD215F 2TAD 0.35
14401 BK-GY
HILL DESCENT SWITCH
GD215AU 2TAE 0.35
14401 BK-GY
C2R116 - 3
2R116
Passenger Air Bag Deactivation (PAD) Indicator
S2D215B
GD215G 2TAD 0.35
14401 BK-GY
C2CA15 - 2
2CA15
Stability Assist/Traction Control Switch
GD215U 2TAD 0.5
14401 BK-GY
GD215K 2TAD 0.35
14401 BK-GY
TO DRIVER DOOR
GD215R 2TAD 0.35
14401 BK-GY
TO PASSENGER DOOR
GD215D 2TAD 1.0
14401 BK-GY
S2D215A
GD215W 2TAD 0.35
14401 BK-GY
C2H101-B - 14
BR-TN
2H101
Climate Control Module
GD215X 2TAD 0.35
14401 BK-GY
2LS51
Information and Entertainment Control Panel
C2LS51 - 5
GD215AA 2TAD 0.35
14401 BK-GY
TO ELECTROCHROMATIC MIRROR
G2D215-A
G2D215-B
GD215AT 2TAD 0.35
14401 BK-GY
TO AUX JACK(SHIELD)
G2D215
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
GD215C 2TAD 0.5
14401 BK-GY
2DB04
Data Link Connector (DLC)
C2DB04 - 5


GD214AR 2TAD 2.5
14401 BK-BU
TO PASSENGER DOOR
WITHOUT ICP
GD214U 2TAD 0.35
14401 BK-BU
C2PK29 - 5
2PK29
Central Locking Lock/Unlock Switch
GD214V 2TAD 0.35
14401 BK-BU
C2PK29 - 2
2PK29
Central Locking Lock/Unlock Switch
GD214W 2TAD 0.35
14401 BK-BU
C2LS32 - 5
2LS32
Hazard Flasher Switch
GD214E 2TAD 0.35
14401 BK-BU
C2LS32 - 2
2LS32
Hazard Flasher Switch
GD214B 2TAD 0.5
14401 BK-BU
S2D214B
WITHOUT ICP
GD214S 2TAD 0.5
14401 BK-BU
C2PM20 - D
2PM20
Exterior Mirror Control Switch
WITH ICP
GD214T 2TAD 0.5
14401 BK-BU
GD214AB 2TAD 0.35
14401 BK-BU
C2LN15 - 2
2LN15
Glove Compartment Lamp
GD214P 2TAD 0.5
14401 BK-BU
C2DB04 - 4
2DB04
Data Link Connector (DLC)
GD214A 2TAD 1.5
14401 BK-BU
S2D214A
GD214K 2TAD 0.5
14401 BK-BU
TO ROOF
GD214M 2TAD 0.35
14401 BK-BU
C2H101-B - 28
2H101
Climate Control Module
BR-TN
GD214C 2TAD 0.35
14401 BK-BU
C2R115 - 3
2R115
Clockspring
G2D214-A
CROSS CAR BEAM GROUND (POWER GND)
G2D214
GD216B 2TAD 1.0
14401 BK-VT
C2ME03 - 10
2ME03
Audio Unit
GD216C 2TAD 1.0
14401 BK-VT
C2ME04 - 13
2ME04
Information and Entertainment Unit
S2D216A
GD216A 2TAD 2.5
14401 BK-VT
GD216E 2TAD 0.75
14401 BK-VT
C2MC02 - 9
2MC02
Message Center Module
GD216F 2TAD 1.0
14401 BK-VT
C2ME04-A - 13
2ME04
Information and Entertainment Unit
GD216G 2TAD 0.5
14401 BK-VT
C2MM01-A - 33
2DB04
Data Link Connector (DLC)
GD216H 2TAD 0.5
14401 BK-VT
C2MM01-A - 34
2DB04
Data Link Connector (DLC)
G2D216-A
G2D216-B
G2D216
RD GROUND POINT (AUDIO GND)
G2D216
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)

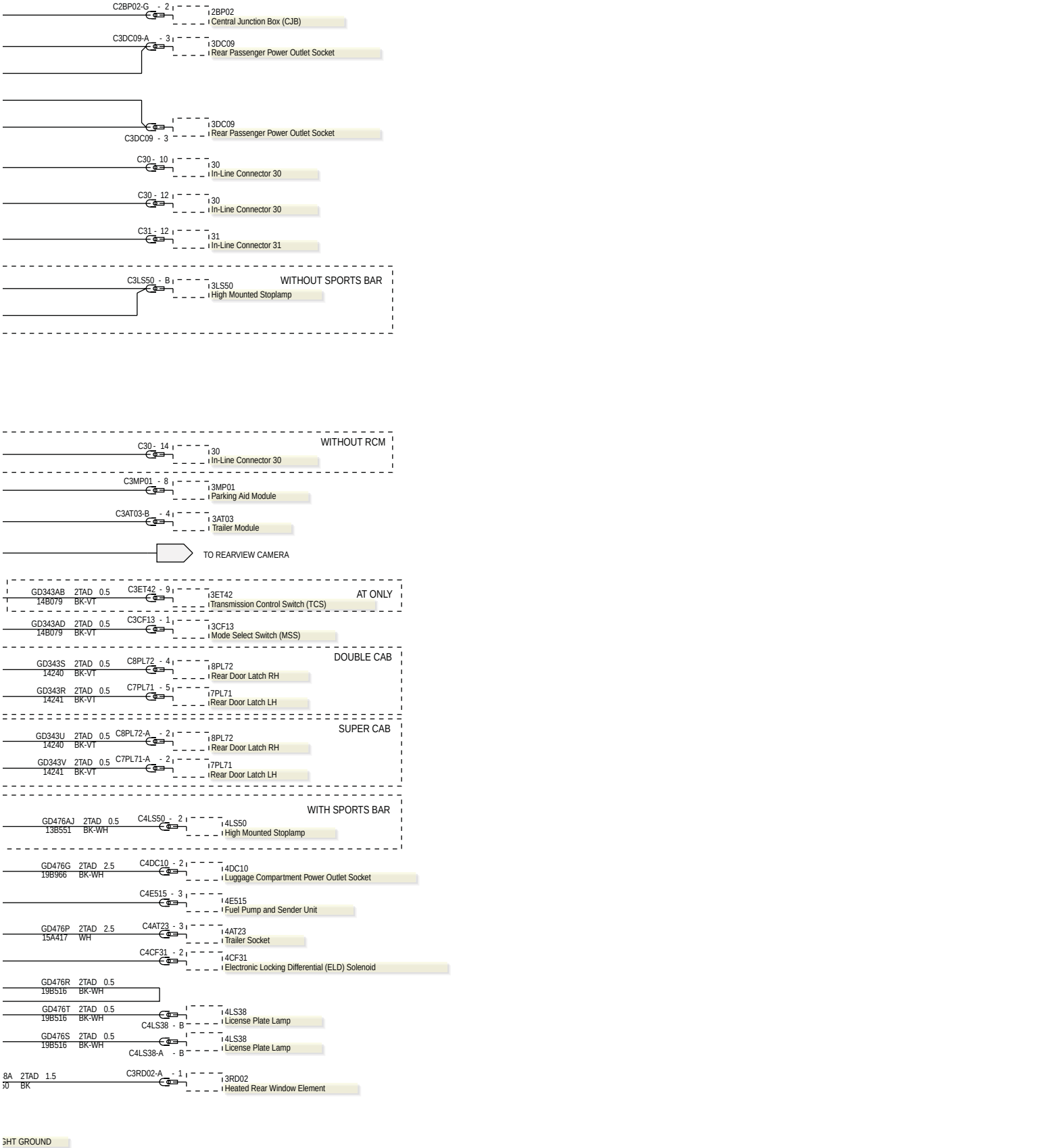

GD121C 3TBD 0.75 14290 BK-YE
C1E108-A - 07
1E108 Powertrain Control Module (PCM)
C11-F - 4
GD122T 3TBD 0.5 14290 BK
GD122X 3TBD 0.5 70G239 BK
C1E513 - 3
1E513 Glow Plug Module
I4 ONLY
GD122U 3TBD 0.5 70G239 BK
C1E513-A - 3
1E513 Glow Plug Module
I5 ONLY
GD122B 3TBD 1.0 14290 BK
C1E108-A - 53
GD122G 3TBD 0.5 14290 BK
C1E823 - 2
1E823 Water-in-Fuel Sensor
GD122D 3TBD 1.0 14290 BK
C1E108-A - 02
GD122E 3TBD 1.0 14290 BK
C1E108-A - 03
GD122A 3TBD 4.0 14290 BK
S1D122A
GD122C 3TBD 1.0 14290 BK
C1E108-A - 42
DIESEL ONLY
GD122L 3TBD 0.5 14290 BK
C2E904 - 3
SILVER
2E904 Clutch Pedal Position (CPP) Switch
MANUAL ONLY
GD122K 3TBD 0.5 14290 BK
C11-D - 5
GD122N 4TBD 0.5 14K039 BK
C1ET47 - 2
1ET47 Reversing Lamp Switch
PETROL ONLY
GD122Y 3TBD 0.5 14290 BK
C11-E - 3
GD122Z 4TBD 0.5 14K039 BK
C1ET47 - 2
1ET47 Reversing Lamp Switch
DIESEL ONLY
GD122W 3TBD 0.5 14290 BK
C2E903 - 2
GOLD
2E903 Clutch Pedal Position (CPP) Switch
GD122M 3TBD 0.5 14290 BK
C2CA29 - 1
2CA29 Brake Pedal Position (BPP) Switch
G1D122-A
G1D122
FENDER FRONT LEFT 3RD GROUND POINT
GD122H 3TBD 1.0 14290 BK
C1E104-B - M3
GD122J 3TBD 1.0 14290 BK
C1E104-B - L3
GD122P 3TBD 1.0 14290 BK
C1E104-B - L4
GD122R 3TBD 1.0 14290 BK
C1E104-B - M4
GD122V 3TBD 1.0 14290 BK
C11-A - 1
GD122S 3TBD 1.5 12B637 BK
C1E104-A - G4
1E104 Powertrain Control Module (PCM)
PETROL ONLY
G2D238-A COWL SIDE /
G2D238
GD121AG 3TBD 0.5 14290 BK-YE
C1RT16 - 1
1RT16 Anti-Theft Alarm Horn with Integral Battery
GD121AC 3TBD 0.5 14290 BK-YE
S1D121D
GD121B 2TAD 0.5 14290 BK-YE
C1MC19-A - 2
1MC19 Low Brake Fluid Warning Indicator Switch
GD121X 3TBD 0.5 14290 BK-YE
C1RT17 - 1
1RT17 Hood Switch
GD121AD 3TBD 0.5 14290 BK-YE
C1BB03 - R1-2
1BB03 Engine Junction Box (EJB)
S1D121C
GD121M 3TBD 0.5 14290 BK-YE
C1LF39 - 1
1LF39 Headlamp Control Module
GD121N 3TBD 0.5 14290 BK-YE
C1LF17 - 3
1LF17 Daytime Running Lamp LH
GD121Z 3TBD 0.75 14290 BK-YE
C1LF29 - 2
1LF29 Front Fog Lamp LH
WITH HEADLAMP LEVELING
GD121AB 3TBD 1.0 14290 BK-YE
GD121AF 3TBD 0.75 14290 BK-YE
WITHOUT HEADLAMP LEVELING
GD121AE 3TBD 0.75 14290 BK-YE
C1BB03 - F19-2
1BB03 Engine Junction Box (EJB)
GD121T 3TBD 1.5 14290 BK-YE
C1RW01 - 4
1RW01 Windshield Wiper Motor
GD121AH 3TBD 0.5 14290 BK-YE
C1LS14 - B
1LS14 Front Side Marker Lamp RH
GD121E 3TBD 0.5 14290 BK-YE
C1LS13 - B
1LS13 Front Side Marker Lamp LH
GD121V 3TBD 2.5 14290 BK-YE
S1D121B
GD121Y 3TBD 1.5 14290 BK-YE
C1LF08 - 3
1LF08 Headlamp Assembly LH
GD121AA 3TBD 0.5 14290 BK-YE
C1LS21 - 2
1LS21 Side Turn Signal Lamp LH
GD121G 3TBD 0.5 14290 BK-YE
C1LS06 - 2
1LS06 Parking Lamp LH
GD121D 3TBD 1.0 14290 BK-YE
C1RH02-A - 2
1RH02 Horn
GD108 3SCD 35.0 18C942 BK-VT
G1D108-L ENGINE EMC GROUND
G1D108
GD121W 3TBD 1.0 14290 BK-YE
C1RH02 - 2
1RH02 Horn
DUAL HORN
GD121H 3TBD 0.5 14290 BK-YE
C1BB03 - R17-2
1BB03 Engine Junction Box (EJB)
4WD ONLY
GD121F 3TBD 4.0 14290 BK-YE
S2D121A
GD121K 3TBD 3.0 14290 BK-YE
C2H102 - 2
BR
2H102 Blower Motor Control Module
DEATC ONLY
GD121A 3TBD 4.0 14290 BK-YE
S1D121A
PETROL
GD121U 3TBD 1.0 14290 BK-YE
C11-A - 9
GD121S 3TBD 0.75 12B637 BK-YE
C1H302 - 2
1H302 Clutch and Clutch Field Coil
DIESEL
GD121P 3TBD 1.0 14290 BK-YE
C11-C - 9
GD121R 3TBD 0.75 12B637 BK-YE
G1D120-A FENDER FR
G1D120
GD121J 3TBD 2.5 14290 BK-YE
C1BB03 - F6-2
1BB03 Engine Junction Box (EJB)
4WD ONLY
G1D121-A
G1D121-B
G1D121
FENDER FRONT LEFT 2ND GROUND POINT

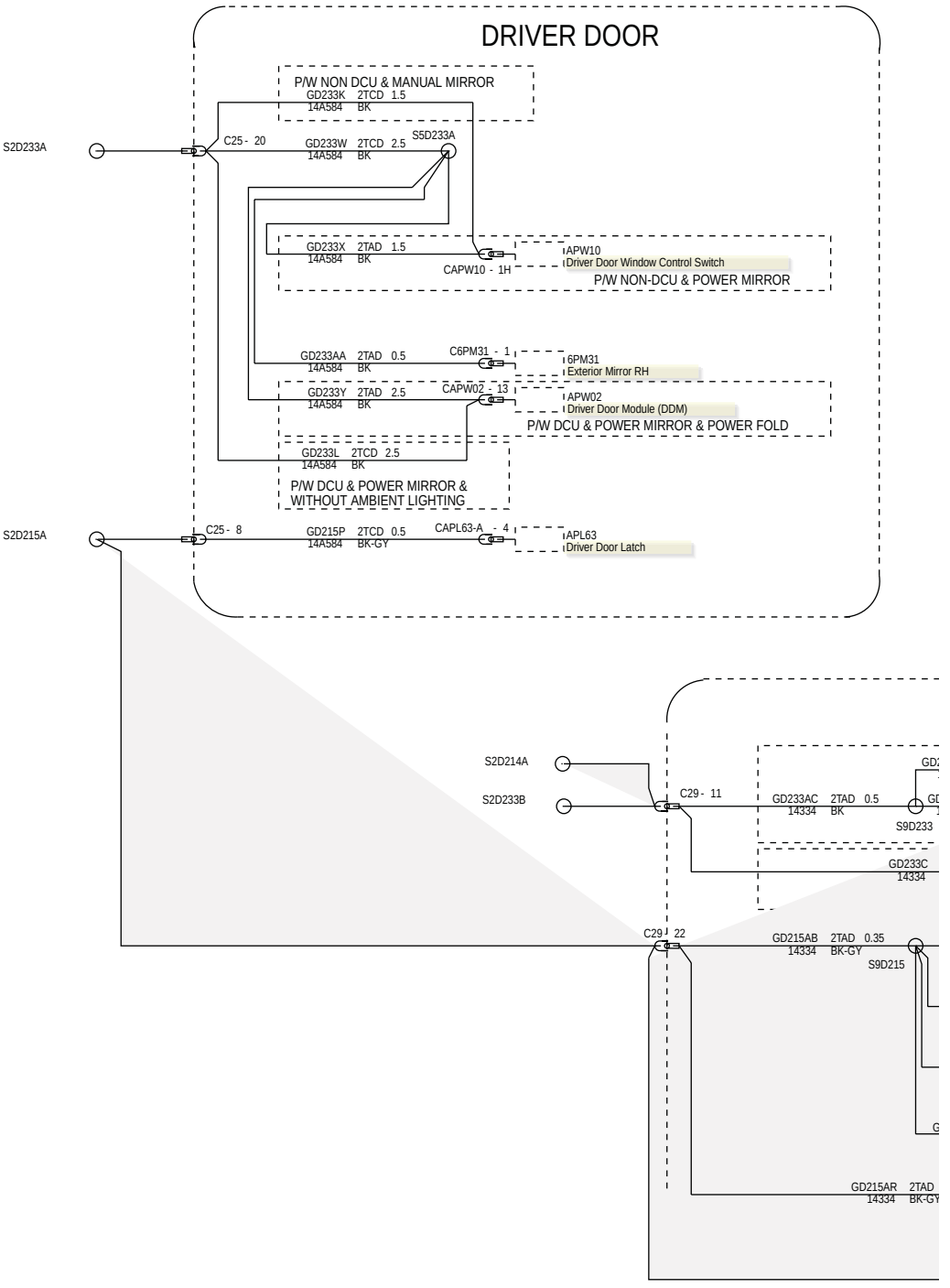
700-03-9 Grounding—LHD

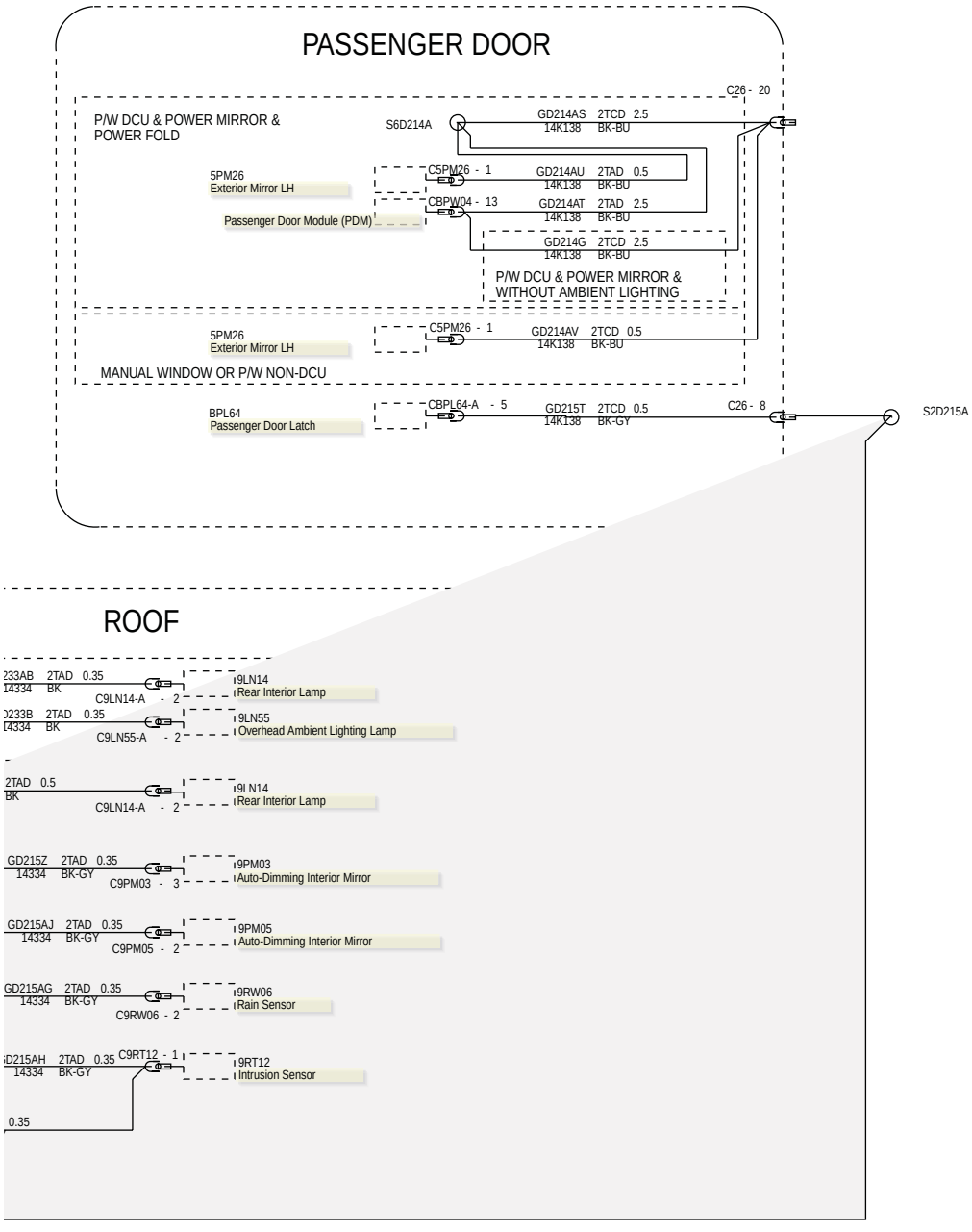


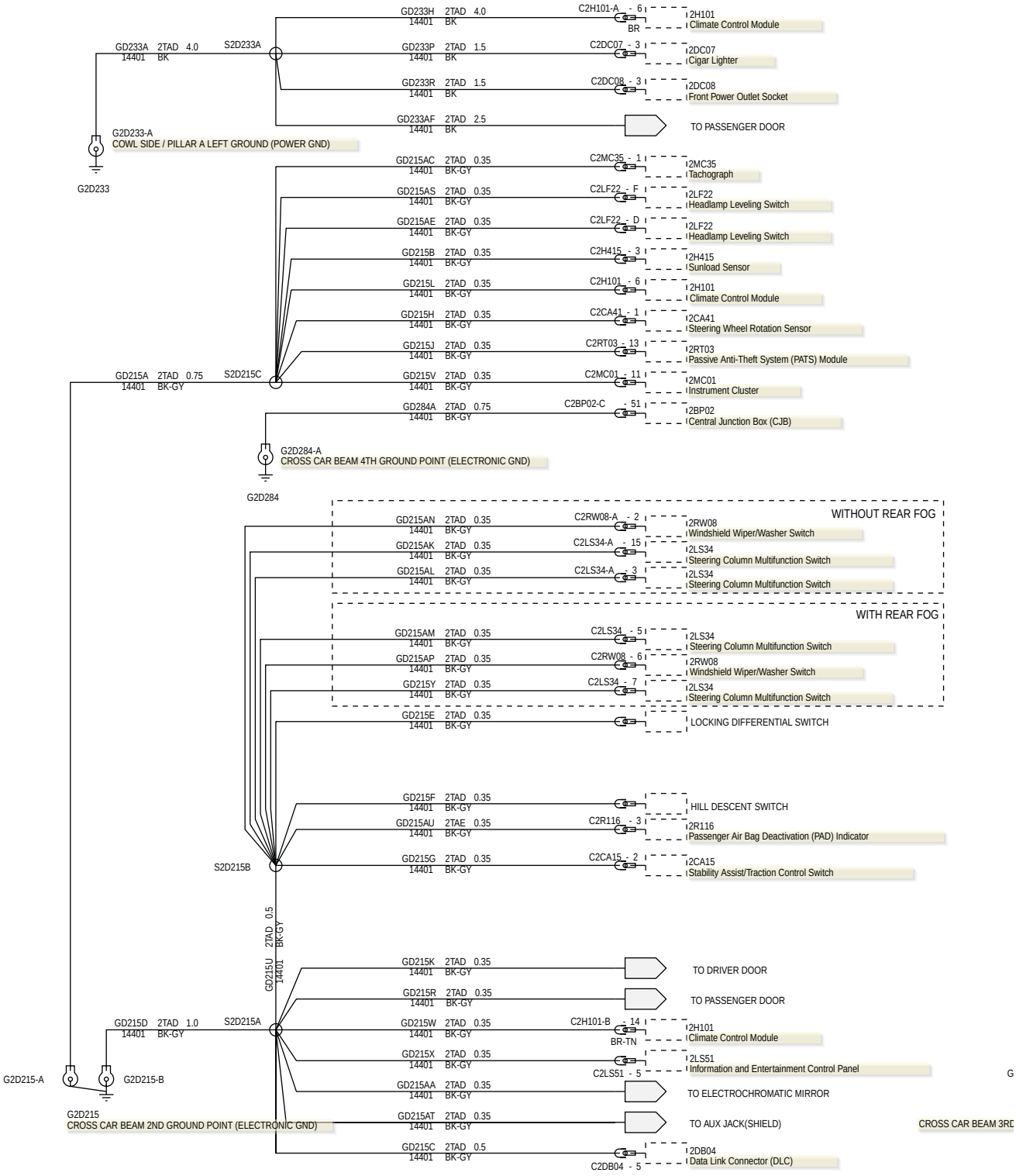

G3D345-D
PILLAR B RIGHT GROUND
G3D345
GD345A 2TAD 2.5
14A005 BK-BU
GD343F 2TAD 2.5
14A005 BK-VT
GD343E 2TAD 1.5
14A005 BK-VT
GD343H 2TAD 2.5
14A005 BK-VT
GD343M 2TAD 1.5
14A005 BK-VT
GD343N 2TAD 1.5
14A005 BK-VT
GD343B 2TAD 2.5
14A005 BK-VT
S3D343A
GD344A 2TAD 1.0
14A005 BK-GY
GD343D 2TAD 1.0
14A005 BK-VT
GD343P 2TAD 0.5
14A005 BK-VT
GD343AH 2TAD 0.75
14A005 BK-VT
S3D343B
GD343K 2TAE 0.35
14A005 BK-VT
GD343Y 2TAD 0.35
14A005 BK-VT
GD343Z 2TAD 0.5
14A005 BK-VT
GD343W 2TAE 0.35
14A005 BK-VT
GD343J 2TAE 0.75
14A005 BK-VT
GD343AA 2TAD 0.35
14A005 BK-VT
C33 - 12
GD343C 2TAD 0.35
14A005 BK-VT
C38 - 9
GD343T 2TAD 0.35
14A005 BK-VT
C37 - 9
GD343AG 2TAD 0.35
14A005 BK-VT
C38-A - 5
GD343AF 2TAD 0.35
14A005 BK-VT
C37-A - 5
G3D343-B
G3D343-C
G3D343-A
G3D343
PILLAR B LEFT GROUND
GD476D 2TAD 0.75
14A333 BK-WH
C44 - 2
GD476F 2TAD 1.5
14A333 BK-WH
C44-C - 1
GD476B 2TAD 2.5
14A333 BK-WH
GD476H 2TAD 2.5
14A333 BK-WH
C44-E - 8
GD476L 2TCD 0.75
14A333 BK-WH
GD476M 2TAD 0.5
14A333 BK-WH
C44-D - 2
S4D476B
S4D476A
GD476A 2TAD 4.0
14A333 BK-WH
G4D476-A
FRAME REAR LEFT GROUND
G4D476
G3D348-A
G3D348
GD476C 2TAD 4.0
14A333 BK-WH
GD476J 2TAD 0.75
14A333 BK-WH
C4LS35 - 6
GD481A 2TAD 0.75
14A333 BK-GN
C4LS36 - 6
G4D481-A
FRAME MIDDLE RIGHT GROUND
G4D481

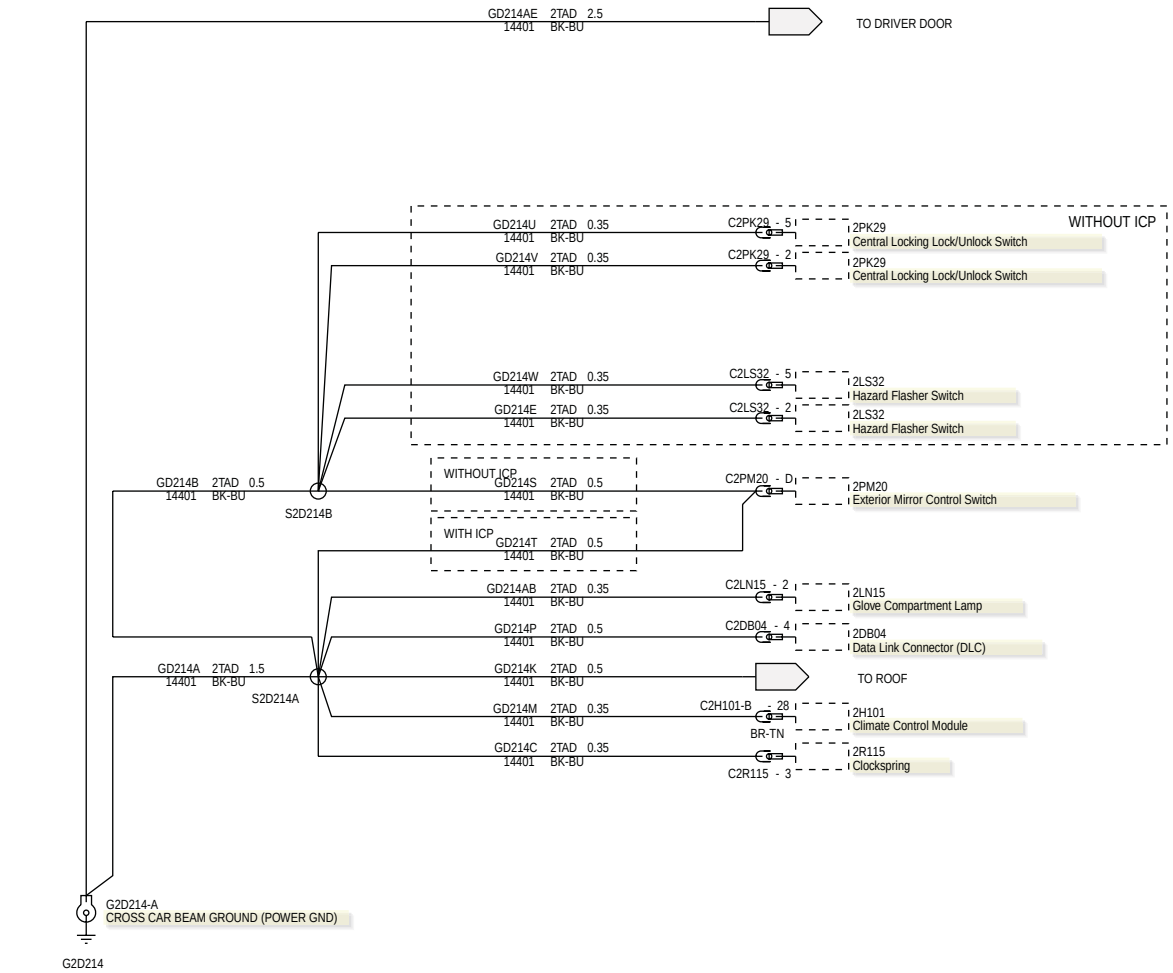
700-03-11 Grounding—RHD

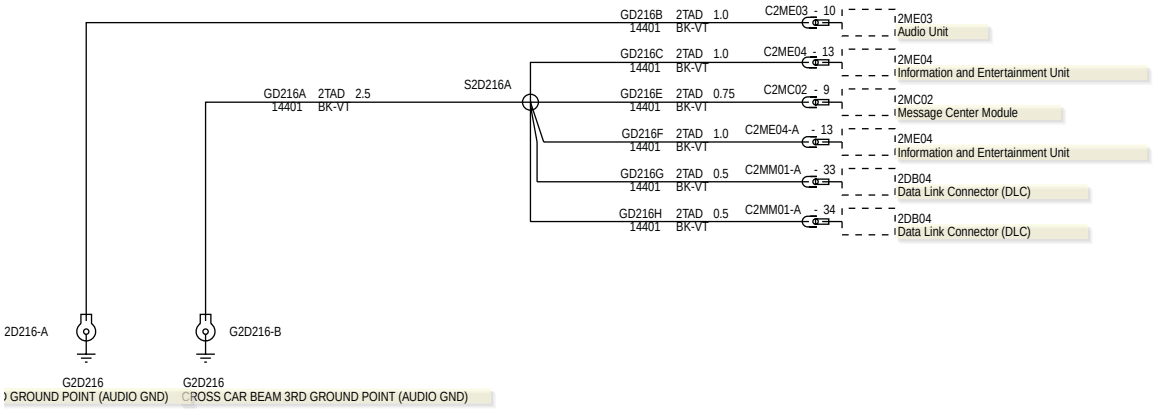



DRIVER DOOR
P/W NON DCU & MANUAL MIRROR
GD233K 2TCD 1.5
14A584 BK
S2D233A
C25 - 20
GD233W 2TCD 2.5
14A584 BK
S5D233A
GD233X 2TAD 1.5
14A584 BK
CAPW10 - 1H
APW10
Driver Door Window Control Switch
P/W NON-DCU & POWER MIRROR
GD233AA 2TAD 0.5
14A584 BK
C6PM31 - 1
6PM31
Exterior Mirror RH
GD233Y 2TAD 2.5
14A584 BK
CAPW02 - 13
APW02
Driver Door Module (DDM)
P/W DCU & POWER MIRROR & POWER FOLD
GD233L 2TCD 2.5
14A584 BK
P/W DCU & POWER MIRROR &
WITHOUT AMBIENT LIGHTING
S2D215A
C25 - 8
GD215P 2TCD 0.5
14A584 BK-GY
CAPL63-A - 4
APL63
Driver Door Latch
S2D214A
S2D233B
C29 - 11
GD233AC 2TAD 0.5
14334 BK
S9D233
GD233C
14334
C29 22
GD215AB 2TAD 0.35
14334 BK-GY
S9D215
GD215AR 2TAD
14334 BK-GY

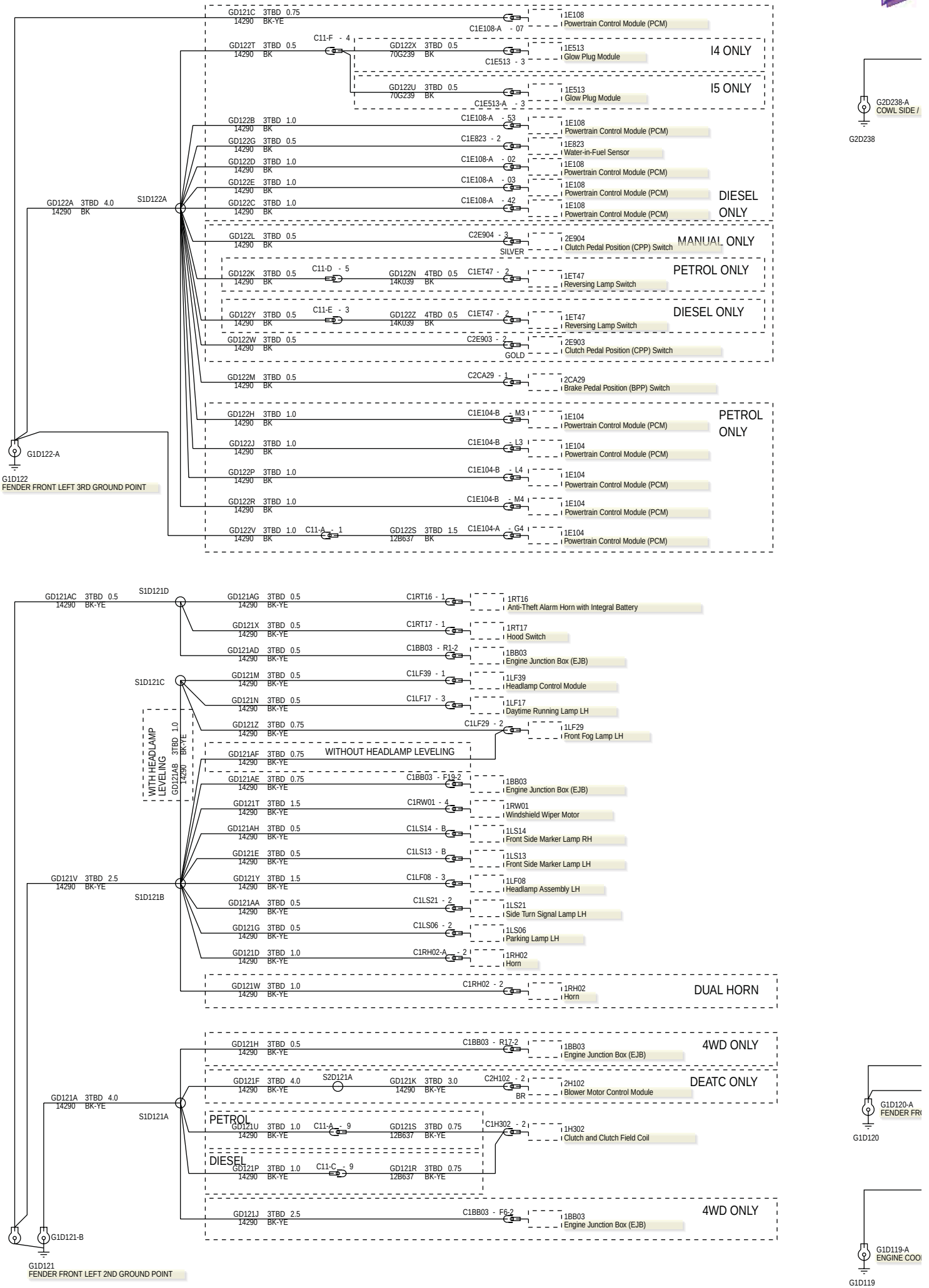

PASSENGER DOOR
C26 - 20
P/W DCU & POWER MIRROR & POWER FOLD
S6D214A
GD214AS 2TCD 2.5
14K138 BK-BU
5PM26
Exterior Mirror LH
C5PM26 - 1
GD214AU 2TAD 0.5
14K138 BK-BU
CBPW04 - 13
GD214AT 2TAD 2.5
14K138 BK-BU
Passenger Door Module (PDM)
GD214G 2TCD 2.5
14K138 BK-BU
P/W DCU & POWER MIRROR & WITHOUT AMBIENT LIGHTING
5PM26
Exterior Mirror LH
C5PM26 - 1
GD214AV 2TCD 0.5
14K138 BK-BU
MANUAL WINDOW OR P/W NON-DCU
BPL64
Passenger Door Latch
CBPL64-A - 5
GD215T 2TCD 0.5
14K138 BK-GY
C26 - 8
S2D215A
ROOF
9LN14
Rear Interior Lamp
C9LN14-A - 2
9LN55
Overhead Ambient Lighting Lamp
C9LN55-A - 2
9LN14
Rear Interior Lamp
C9LN14-A - 2
GD215Z 2TAD 0.35
14334 BK-GY
C9PM03 - 3
9PM03
Auto-Dimming Interior Mirror
GD215AJ 2TAD 0.35
14334 BK-GY
C9PM05 - 2
9PM05
Auto-Dimming Interior Mirror
GD215AG 2TAD 0.35
14334 BK-GY
C9RW06 - 2
9RW06
Rain Sensor
C9RT12 - 1
9RT12
Intrusion Sensor


GD233H 2TAD 4.0 14401 BK
C2H101-A - 6
BR
2H101 Climate Control Module
GD233A 2TAD 4.0 14401 BK
S2D233A
GD233P 2TAD 1.5 14401 BK
C2DC07 - 3
2DC07 Cigar Lighter
GD233R 2TAD 1.5 14401 BK
C2DC08 - 3
2DC08 Front Power Outlet Socket
GD233AF 2TAD 2.5 14401 BK
TO PASSENGER DOOR
G2D233-A
COWL SIDE / PILLAR A LEFT GROUND (POWER GND)
G2D233
GD215AC 2TAD 0.35 14401 BK-GY
C2MC35 - 1
2MC35 Tachograph
GD215AS 2TAD 0.35 14401 BK-GY
C2LF22 - F
2LF22 Headlamp Leveling Switch
GD215AE 2TAD 0.35 14401 BK-GY
C2LF22 - D
2LF22 Headlamp Leveling Switch
GD215B 2TAD 0.35 14401 BK-GY
C2H415 - 3
2H415 Sunload Sensor
GD215L 2TAD 0.35 14401 BK-GY
C2H101 - 6
2H101 Climate Control Module
GD215H 2TAD 0.35 14401 BK-GY
C2CA41 - 1
2CA41 Steering Wheel Rotation Sensor
GD215J 2TAD 0.35 14401 BK-GY
C2RT03 - 13
2RT03 Passive Anti-Theft System (PATS) Module
GD215A 2TAD 0.75 14401 BK-GY
S2D215C
GD215V 2TAD 0.35 14401 BK-GY
C2MC01 - 11
2MC01 Instrument Cluster
GD284A 2TAD 0.75 14401 BK-GY
C2BP02-C - 51
2BP02 Central Junction Box (CJB)
G2D284-A
CROSS CAR BEAM 4TH GROUND POINT (ELECTRONIC GND)
G2D284
WITHOUT REAR FOG
GD215AN 2TAD 0.35 14401 BK-GY
C2RW08-A - 2
2RW08 Windshield Wiper/Washer Switch
GD215AK 2TAD 0.35 14401 BK-GY
C2LS34-A - 15
2LS34 Steering Column Multifunction Switch
GD215AL 2TAD 0.35 14401 BK-GY
C2LS34-A - 3
2LS34 Steering Column Multifunction Switch
WITH REAR FOG
GD215AM 2TAD 0.35 14401 BK-GY
C2LS34 - 5
2LS34 Steering Column Multifunction Switch
GD215AP 2TAD 0.35 14401 BK-GY
C2RW08 - 6
2RW08 Windshield Wiper/Washer Switch
GD215Y 2TAD 0.35 14401 BK-GY
C2LS34 - 7
2LS34 Steering Column Multifunction Switch
GD215E 2TAD 0.35 14401 BK-GY
LOCKING DIFFERENTIAL SWITCH
GD215F 2TAD 0.35 14401 BK-GY
HILL DESCENT SWITCH
GD215AU 2TAE 0.35 14401 BK-GY
C2R116 - 3
2R116 Passenger Air Bag Deactivation (PAD) Indicator
S2D215B
GD215G 2TAD 0.35 14401 BK-GY
C2CA15 - 2
2CA15 Stability Assist/Traction Control Switch
GD215U 14401 2TAD 0.5 BK-GY
GD215K 2TAD 0.35 14401 BK-GY
TO DRIVER DOOR
GD215R 2TAD 0.35 14401 BK-GY
TO PASSENGER DOOR
GD215D 2TAD 1.0 14401 BK-GY
S2D215A
GD215W 2TAD 0.35 14401 BK-GY
C2H101-B - 14
BR-TN
2H101 Climate Control Module
GD215X 2TAD 0.35 14401 BK-GY
C2LS51 - 5
2LS51 Information and Entertainment Control Panel
GD215AA 2TAD 0.35 14401 BK-GY
TO ELECTROCHROMATIC MIRROR
G2D215-A
G2D215-B
G2D215
CROSS CAR BEAM 2ND GROUND POINT (ELECTRONIC GND)
GD215AT 2TAD 0.35 14401 BK-GY
TO AUX JACK(SHIELD)
GD215C 2TAD 0.5 14401 BK-GY
C2DB04 - 5
2DB04 Data Link Connector (DLC)

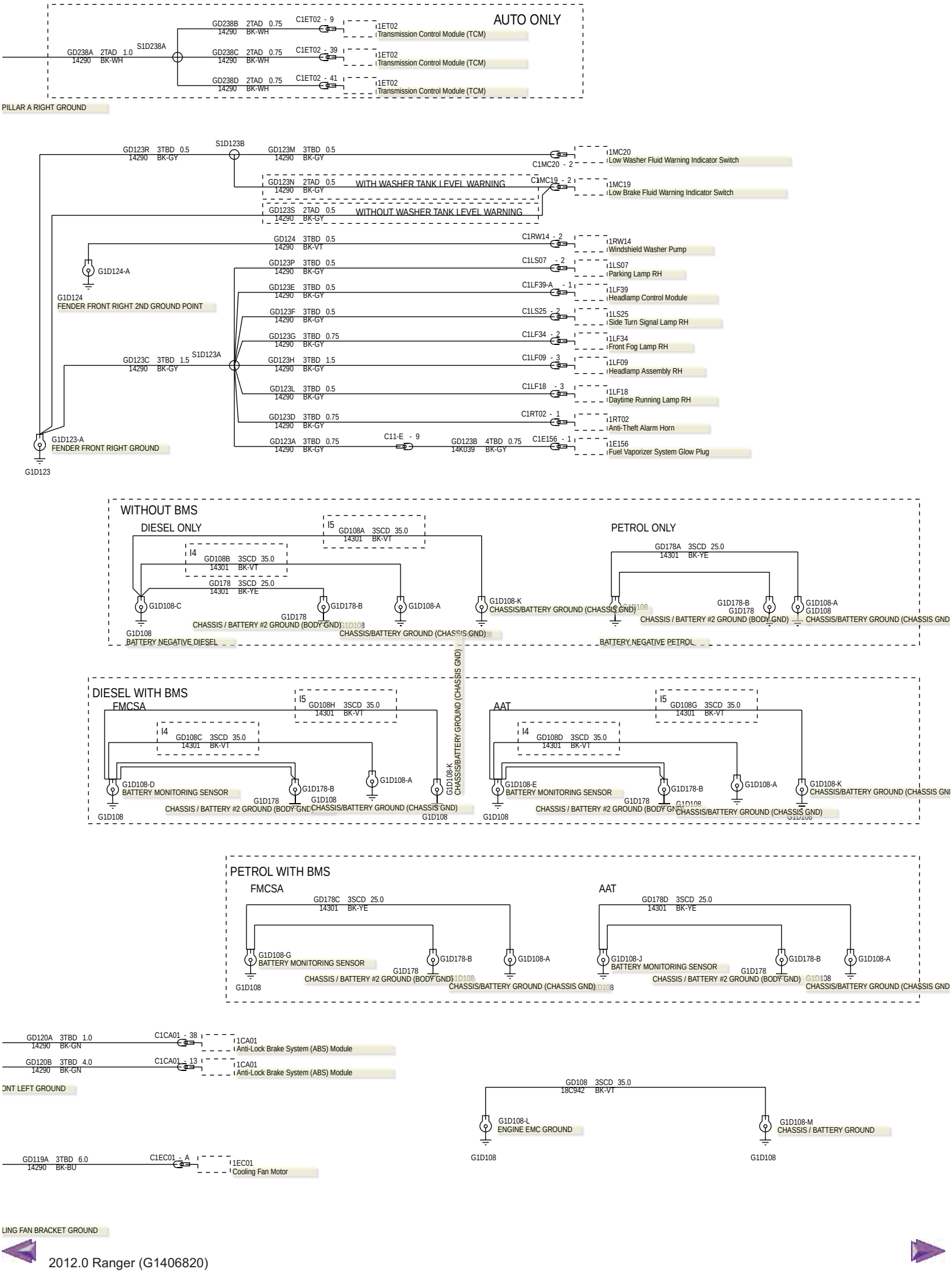

GD214AE 2TAD 2.5
14401 BK-BU
TO DRIVER DOOR
WITHOUT ICP
GD214U 2TAD 0.35
14401 BK-BU
C2PK29 - 5
2PK29
Central Locking Lock/Unlock Switch
GD214V 2TAD 0.35
14401 BK-BU
C2PK29 - 2
2PK29
Central Locking Lock/Unlock Switch
GD214W 2TAD 0.35
14401 BK-BU
C2LS32 - 5
2LS32
Hazard Flasher Switch
GD214E 2TAD 0.35
14401 BK-BU
C2LS32 - 2
2LS32
Hazard Flasher Switch
GD214B 2TAD 0.5
14401 BK-BU
S2D214B
WITHOUT ICP
GD214S 2TAD 0.5
14401 BK-BU
C2PM20 - D
2PM20
Exterior Mirror Control Switch
WITH ICP
GD214T 2TAD 0.5
14401 BK-BU
GD214AB 2TAD 0.35
14401 BK-BU
C2LN15 - 2
2LN15
Glove Compartment Lamp
GD214P 2TAD 0.5
14401 BK-BU
C2DB04 - 4
2DB04
Data Link Connector (DLC)
GD214A 2TAD 1.5
14401 BK-BU
S2D214A
GD214K 2TAD 0.5
14401 BK-BU
TO ROOF
GD214M 2TAD 0.35
14401 BK-BU
C2H101-B - 28
2H101
Climate Control Module
BR-TN
GD214C 2TAD 0.35
14401 BK-BU
C2R115 - 3
2R115
Clockspring
G2D214-A
CROSS CAR BEAM GROUND (POWER GND)
G2D214


GD216B 2TAD 1.0
14401 BK-VT
C2ME03 - 10
2ME03
Audio Unit
GD216C 2TAD 1.0
14401 BK-VT
C2ME04 - 13
2ME04
Information and Entertainment Unit
GD216A 2TAD 2.5
14401 BK-VT
S2D216A
GD216E 2TAD 0.75
14401 BK-VT
C2MC02 - 9
2MC02
Message Center Module
GD216F 2TAD 1.0
14401 BK-VT
C2ME04-A - 13
2ME04
Information and Entertainment Unit
GD216G 2TAD 0.5
14401 BK-VT
C2MM01-A - 33
2DB04
Data Link Connector (DLC)
GD216H 2TAD 0.5
14401 BK-VT
C2MM01-A - 34
2DB04
Data Link Connector (DLC)
2D216-A
G2D216-B
G2D216
GROUND POINT (AUDIO GND)
G2D216
CROSS CAR BEAM 3RD GROUND POINT (AUDIO GND)

700-03-16 Grounding—RHD



700-03-17 Grounding—RHD



SECTION 700-04 Electrical Connectors

VEHICLE APPLICATION: 2012.0 Ranger

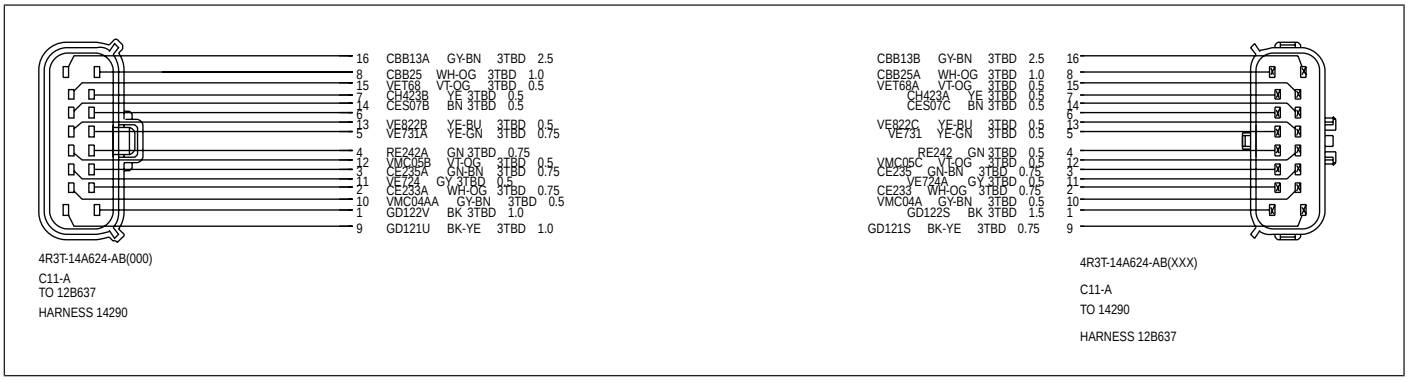
CONTENTS PAGE

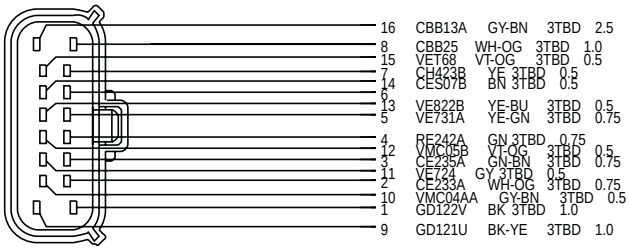
ELECTRICAL CONNECTORS

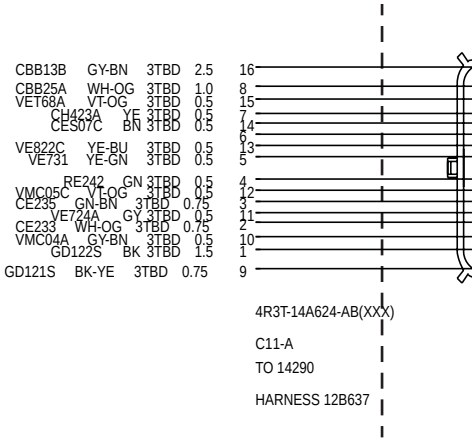
In-Line Connector 11 — A..... 700-04-2
In-Line Connector 11 — AA..... 700-04-2
In-Line Connector 11 — B..... 700-04-3
In-Line Connector 11 — C..... 700-04-3
In-Line Connector 11 — D..... 700-04-4
In-Line Connector 11 — E..... 700-04-6
In-Line Connector 11 — F..... 700-04-6
In-Line Connector 13..... 700-04-7
In-Line Connector 21..... 700-04-9
In-Line Connector 23..... 700-04-12
In-Line Connector 25..... 700-04-13
In-Line Connector 25 — A..... 700-04-14
In-Line Connector 26..... 700-04-14
In-Line Connector 26 — A..... 700-04-14
In-Line Connector 29..... 700-04-15
In-Line Connector 30..... 700-04-15
In-Line Connector 31..... 700-04-16
In-Line Connector 33..... 700-04-16
In-Line Connector 34..... 700-04-17
In-Line Connector 34 — A..... 700-04-19
In-Line Connector 34 — B..... 700-04-20
In-Line Connector 37..... 700-04-21
In-Line Connector 37 — A..... 700-04-22
In-Line Connector 38..... 700-04-23
In-Line Connector 38 — A..... 700-04-23
In-Line Connector 44..... 700-04-23
In-Line Connector 44 — A..... 700-04-24
In-Line Connector 44 — B..... 700-04-24
In-Line Connector 44 — C..... 700-04-25
In-Line Connector 44 — D..... 700-04-25
In-Line Connector 44 — E..... 700-04-26
In-Line Connector 44 — F..... 700-04-26

In-Line Connector 11—A (G1404899)

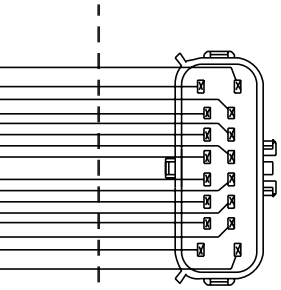
Thumbnail





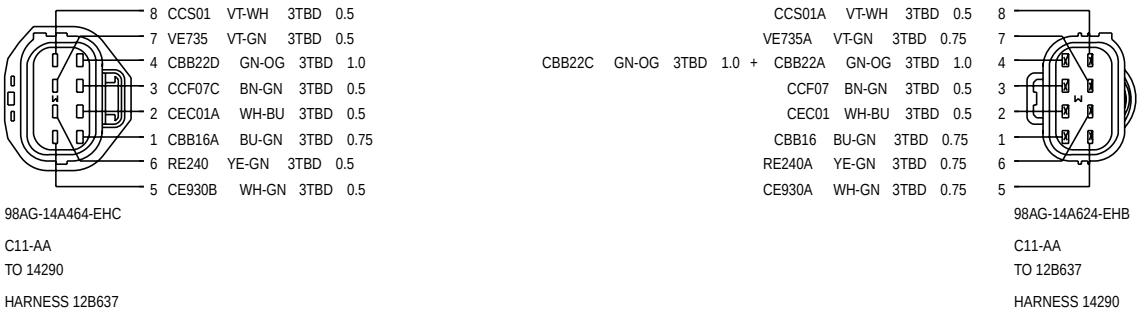


Part 1 of 2



Part 2 of 2

In-Line Connector 11—AA (G1404900)



In-Line Connector 11—B (G1404901)

PIN 1 => SBB03G BU-RD 6.0 3TBD

1 SBB03D BU-RD 3TBD 6.0

XR8T-14A464-LA

C11-B
TO 14290

HARNESS 70G239

SBB03H BU-RD 3TBD 6.0 1

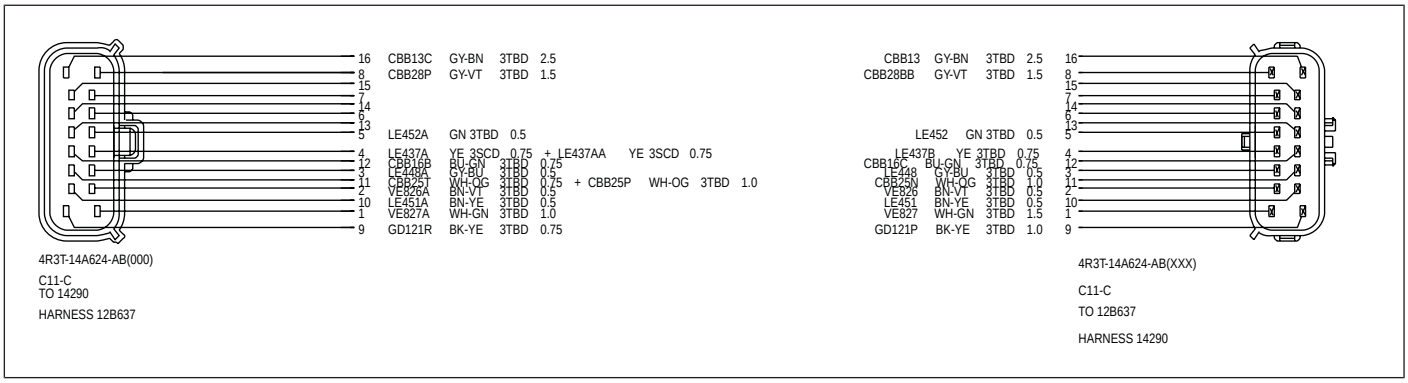
XR8T-14A624-NA

C11-B
TO 70G239

HARNESS 14290

In-Line Connector 11—C (G1404902)

Thumbnail



4R3T-14A624-AB(000)

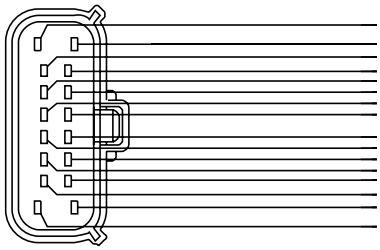
C11-C
TO 14290

HARNESS 12B637

4R3T-14A624-AB(XXX)

C11-C
TO 12B637

HARNESS 14290



4R3T-14A624-AB(000)

C11-C
TO 14290

HARNESS 12B637

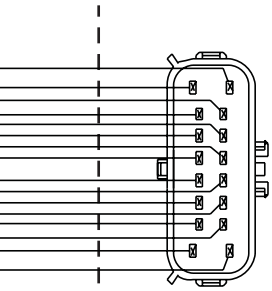


4R3T-14A624-AB(XXX)

C11-C
TO 12B637

HARNESS 14290

Part 1 of 2



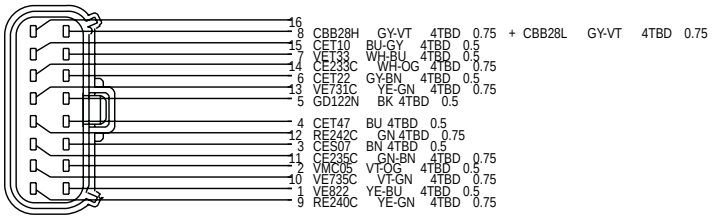
14A624-AB(XXX)
C
2B637
IESS 14290

Part 2 of 2

In-Line Connector 11—D (G1404903)

Thumbnail

PIN 1 => VET74 BU 0.5 4TBD
PIN 2 => CET25 BU-GN 0.5 4TBD
PIN 3 => RET24 BN-BU 0.5 4TBD
PIN 4 => RE406 GY-VT 0.5 4TBD
PIN 5 => VET27 BN-YE 0.5 4TBD
PIN 8 => VET26 BN-GN 0.5 4TBD
PIN 9 => CET45 YE-BU 0.5 4TBD
PIN 10 => CET05 BU-GN 0.5 4TBD
PIN 11 => CET06 GN-BN 0.5 4TBD
PIN 12 => CET07 GY-OG 0.5 4TBD
PIN 13 => CET08 BN-WH 0.5 4TBD
PIN 14 => CET09 YE-VT 0.5 4TBD



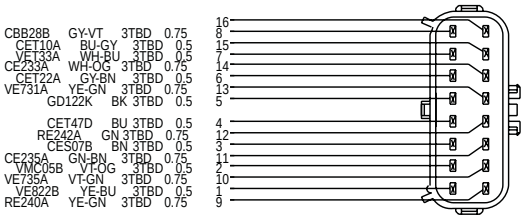
4L3T-14A624-XA(009)

C11-D

TO 14290

HARNESS 14K039

PIN 1 => VE822D YE-BU 0.5 3TBD
PIN 1 => VET74A BU 0.5 3TBD
PIN 2 => CET25A BU-GN 0.5 3TBD
PIN 2 => VMC05D VT-OG 0.5 3TBD
PIN 3 => CES07D BN 0.5 3TBD
PIN 3 => RET24A BN-BU 0.5 3TBD
PIN 4 => CET47C BU 0.5 3TBD
PIN 4 => RE406A GY-VT 0.5 3TBD
PIN 5 => VET27A BN-YE 0.5 3TBD
PIN 8 => VET26A BN-GN 0.5 3TBD
PIN 9 => CET45A YE-BU 0.5 3TBD
PIN 10 => CET05A BU-GN 0.5 3TBD
PIN 11 => CET06A GN-BN 0.5 3TBD
PIN 12 => CET07A GY-OG 0.5 3TBD
PIN 13 => CET08A BN-WH 0.5 3TBD
PIN 14 => CET09A YE-VT 0.5 3TBD



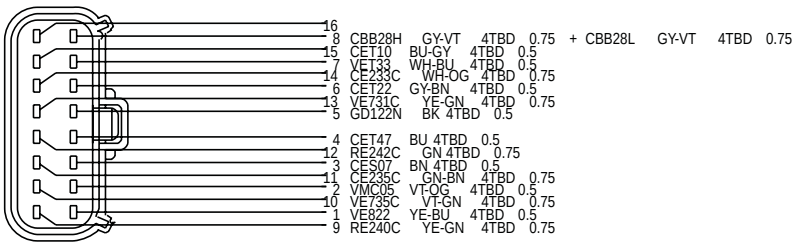
4L3T-14A624-XA(XXX)

C11-D

TO 14K039

HARNESS 14290

PIN 1 => VET74 BU 0.5 4TBD
PIN 2 => CET25 BU-GN 0.5 4TBD
PIN 3 => RET24 BN-BU 0.5 4TBD
PIN 4 => RE406 GY-VT 0.5 4TBD
PIN 5 => VET27 BN-YE 0.5 4TBD
PIN 8 => VET26 BN-GN 0.5 4TBD
PIN 9 => CET45 YE-BU 0.5 4TBD
PIN 10 => CET05 BU-GN 0.5 4TBD
PIN 11 => CET06 GN-BN 0.5 4TBD
PIN 12 => CET07 GY-OG 0.5 4TBD
PIN 13 => CET08 BN-WH 0.5 4TBD
PIN 14 => CET09 YE-VT 0.5 4TBD



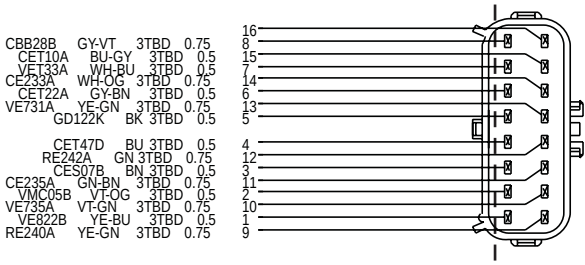
4L3T-14A624-XA(009)

C11-D

TO 14290

HARNESS 14K039

PIN 1 => VE822D YE-BU 0.5 3TBD
PIN 1 => VET74A BU 0.5 3TBD
PIN 2 => CET25A BU-GN 0.5 3TBD
PIN 2 => VMC05D VT-OG 0.5 3TBD
PIN 3 => CES07D BN 0.5 3TBD
PIN 3 => RET24A BN-BU 0.5 3TBD
PIN 4 => CET47C BU 0.5 3TBD
PIN 4 => RE406A GY-VT 0.5 3TBD
PIN 5 => VET27A BN-YE 0.5 3TBD
PIN 8 => VET26A BN-GN 0.5 3TBD
PIN 9 => CET45A YE-BU 0.5 3TBD
PIN 10 => CET05A BU-GN 0.5 3TBD
PIN 11 => CET06A GN-BN 0.5 3TBD
PIN 12 => CET07A GY-OG 0.5 3TBD
PIN 13 => CET08A BN-WH 0.5 3TBD
PIN 14 => CET09A YE-VT 0.5 3TBD



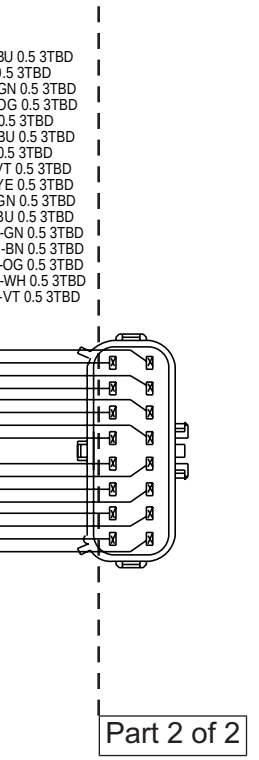
4L3T-14A624-XA(XXX)

C11-D

TO 14K039

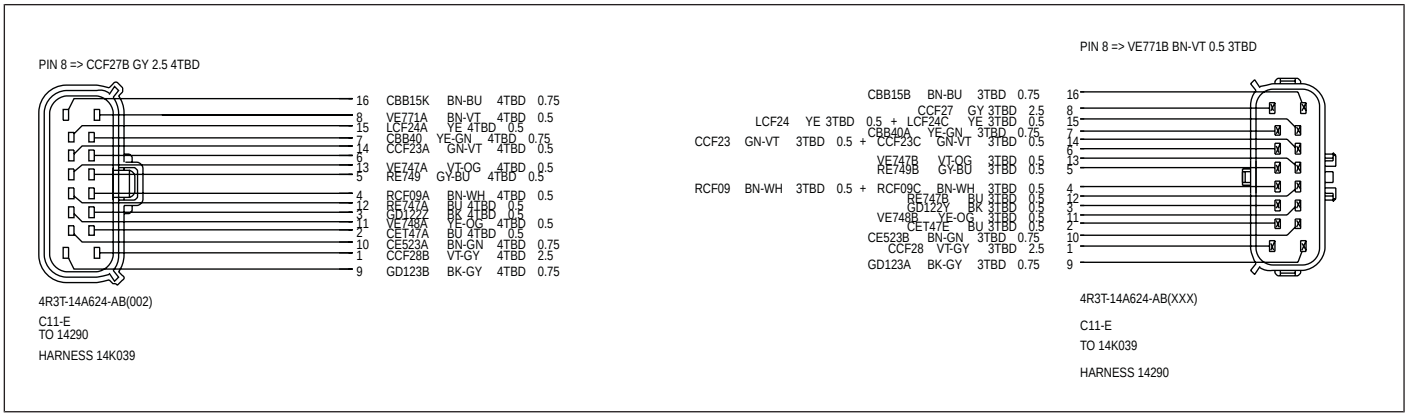
HARNESS 14290

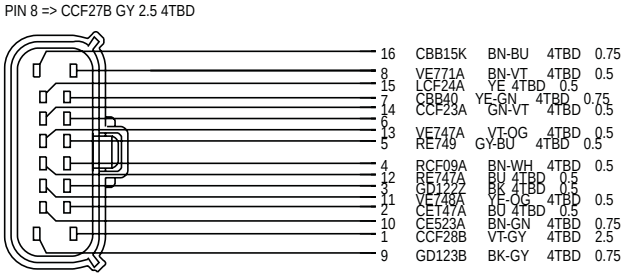
Part 1 of 2

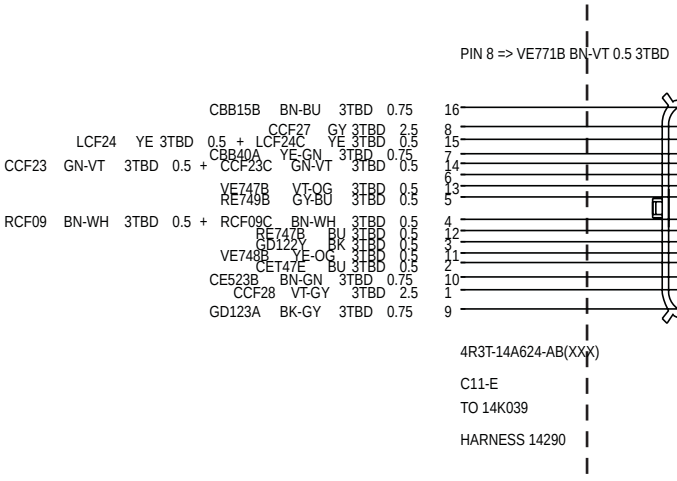

BU 0.5 3TBD
.5 3TBD
GN 0.5 3TBD
OG 0.5 3TBD
0.5 3TBD
BU 0.5 3TBD
0.5 3TBD
VT 0.5 3TBD
YE 0.5 3TBD
GN 0.5 3TBD
BU 0.5 3TBD
-GN 0.5 3TBD
-BN 0.5 3TBD
-OG 0.5 3TBD
-WH 0.5 3TBD
-VT 0.5 3TBD
Part 2 of 2

In-Line Connector 11—E (G1404904)

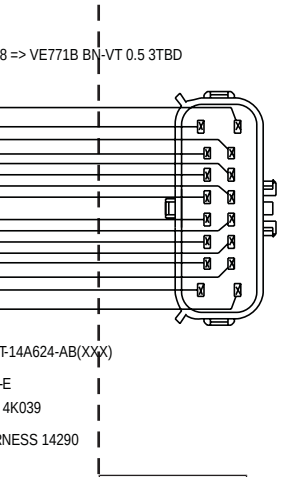
Thumbnail





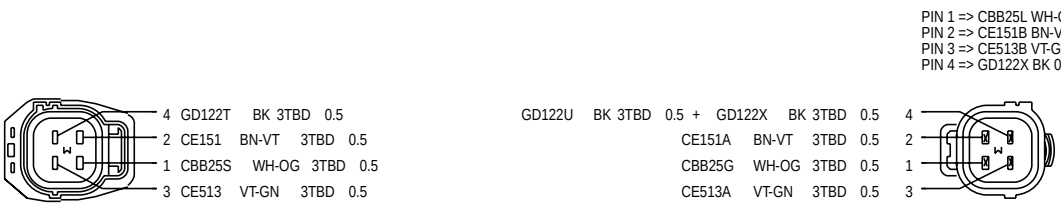


Part 1 of 2



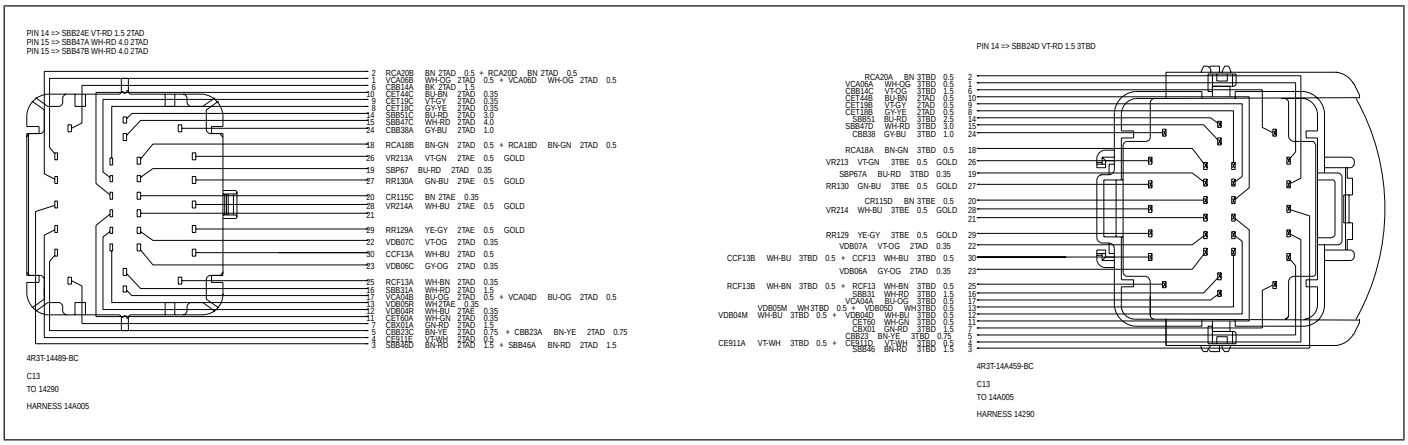
Part 2 of 2

In-Line Connector 11—F (G1404905)

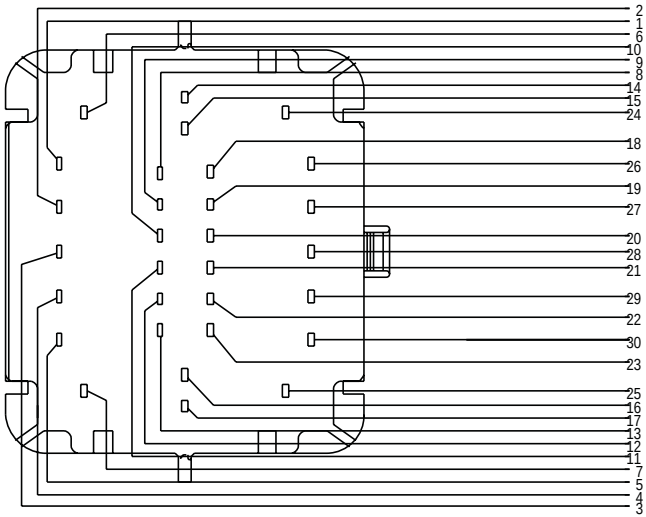


In-Line Connector 13 (G1404906)

Thumbnail



PIN 14 => SBB24E VT-RD 1.5 2TAD
PIN 15 => SBB47A WH-RD 4.0 2TAD
PIN 15 => SBB47B WH-RD 4.0 2TAD



2	RCA20B	BN	2TAD	0.5	+	RCA20D	BN	2TAD	0.5
1	VCA06B	WH-OG	2TAD	0.5	+	VCA06D	WH-OG	2TAD	0.5
6	CBB14A	BK	2TAD	1.5					
10	CET44C	BU-BN	2TAD	0.35					
9	CET19C	VT-GY	2TAD	0.35					
8	CET18C	GY-YE	2TAD	0.35					
14	SBB51C	BU-RD	2TAD	3.0					
15	SBB47C	WH-RD	2TAD	4.0					
24	CBB38A	GY-BU	2TAD	1.0					
18	RCA18B	BN-GN	2TAD	0.5	+	RCA18D	BN-GN	2TAD	0.5
26	VR213A	VT-GN	2TAE	0.5	GOLD				
19	SBP67	BU-RD	2TAD	0.35					
27	RR130A	GN-BU	2TAE	0.5	GOLD				
20	CR115C	BN	2TAE	0.35					
28	VR214A	WH-BU	2TAE	0.5	GOLD				
21									
29	RR129A	YE-GY	2TAE	0.5	GOLD				
22	VDB07C	VT-OG	2TAD	0.35					
30	CCF13A	WH-BU	2TAD	0.5					
23	VDB06C	GY-OG	2TAD	0.35					
25	RCF13A	WH-BN	2TAD	0.35					
16	SBB31A	WH-RD	2TAD	1.5					
17	VCA04B	BU-OG	2TAD	0.5	+	VCA04D	BU-OG	2TAD	0.5
13	VDB05R	WH	2TAE	0.35					
12	VDB04R	WH-BU	2TAE	0.35					
11	CET60A	WH-GN	2TAD	0.35					
7	CBX01A	GN-RD	2TAD	1.5					
5	CBB23C	BN-YE	2TAD	0.75	+	CBB23A	BN-YE	2TAD	0.75
4	CE911E	VT-WH	2TAD	0.5					
3	SBB46D	BN-RD	2TAD	1.5	+	SBB46A	BN-RD	2TAD	1.5

4R3T-14489-BC

C13

TO 14290

HARNESS 14A005

CCF13B WH-BU

RCF13B WH-BN

VDB05M

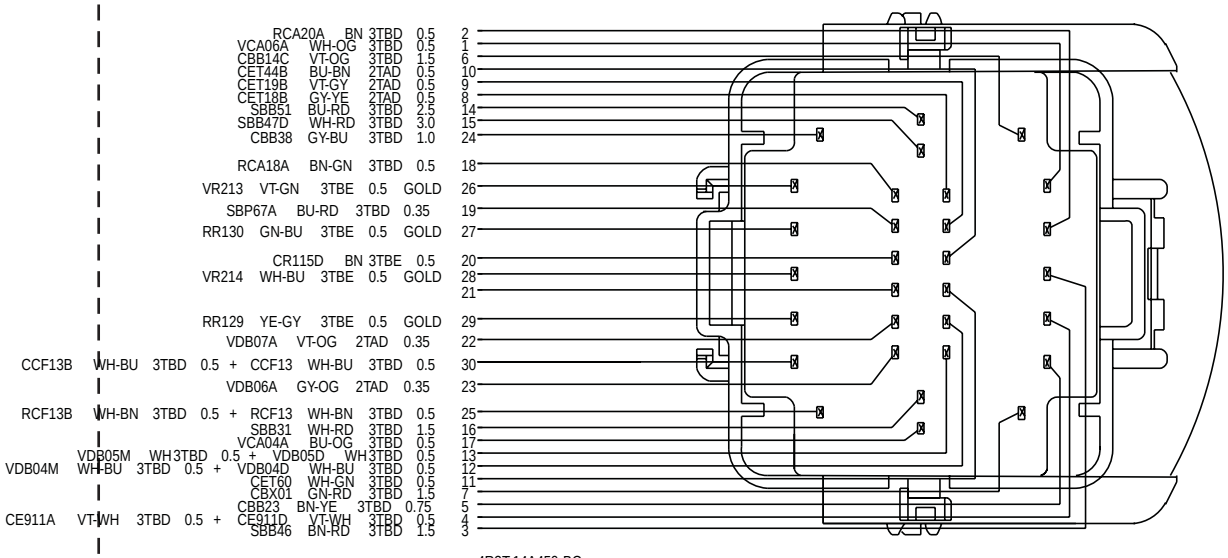
VDB04M WH-BU 3

CE911A VT-WH 3

Part 1 of 2

Part 1 of 2

PIN 14 => SBB24D VT-RD 1.5 3TBD



4R3T-14A459-BC

C13

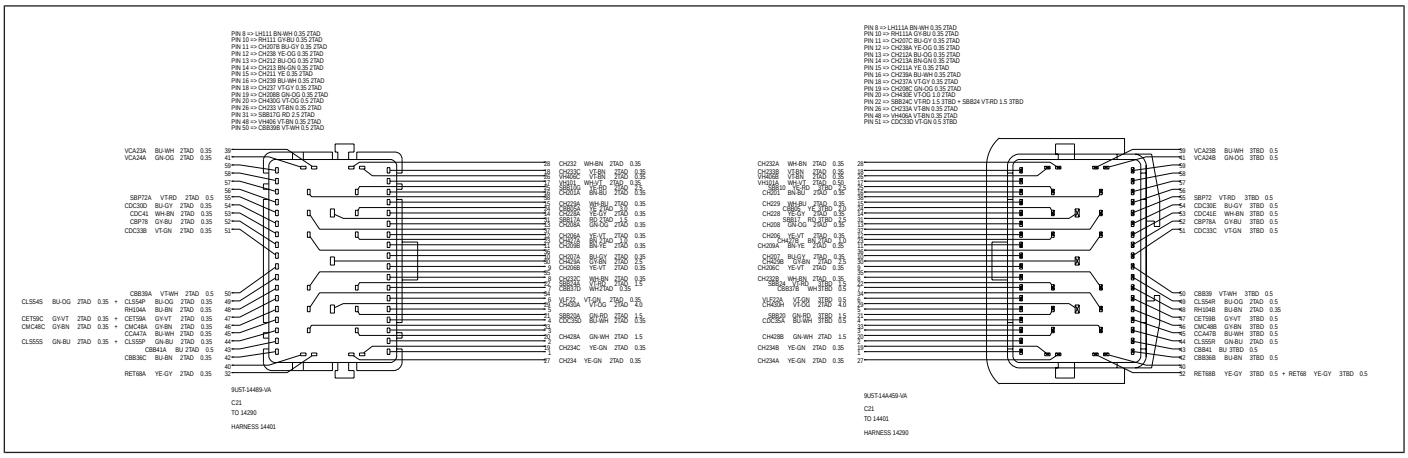
TO 14A005

HARNESS 14290

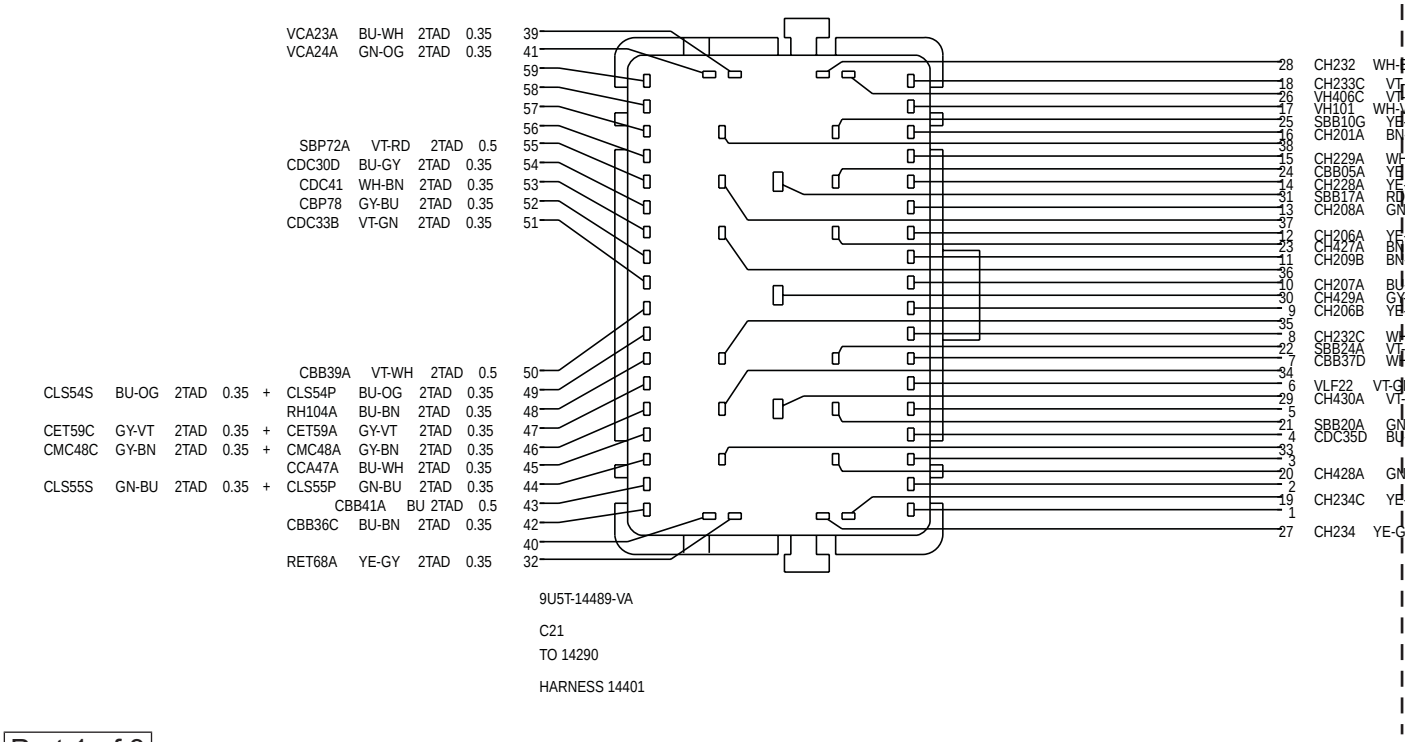
Part 2 of 2

In-Line Connector 21 (G1404907)

Thumbnail



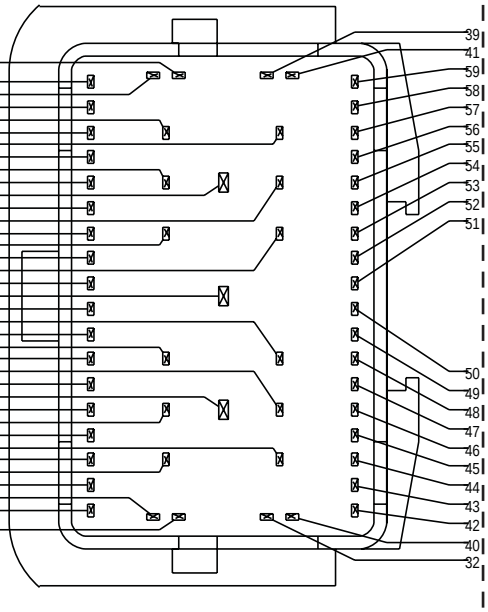
PIN 8 => LH111 BN-WH 0.35 2TAD
PIN 10 => RH111 GY-BU 0.35 2TAD
PIN 11 => CH207B BU-GY 0.35 2TAD
PIN 12 => CH238 YE-OG 0.35 2TAD
PIN 13 => CH212 BU-OG 0.35 2TAD
PIN 14 => CH213 BN-GN 0.35 2TAD
PIN 15 => CH211 YE 0.35 2TAD
PIN 16 => CH239 BU-WH 0.35 2TAD
PIN 18 => CH237 VT-GY 0.35 2TAD
PIN 19 => CH208B GN-OG 0.35 2TAD
PIN 20 => CH430G VT-OG 0.5 2TAD
PIN 26 => CH233 VT-BN 0.35 2TAD
PIN 31 => SBB17G RD 2.5 2TAD
PIN 48 => VH406 VT-BN 0.35 2TAD
PIN 50 => CBB39B VT-WH 0.5 2TAD



Part 1 of 3

PIN 8 => LH111A BN-WH 0.35 2TAD
PIN 10 => RH111A GY-BU 0.35 2TAD
PIN 11 => CH207C BU-GY 0.35 2TAD
PIN 12 => CH238A YE-OG 0.35 2TAD
PIN 13 => CH212A BU-OG 0.35 2TAD
PIN 14 => CH213A BN-GN 0.35 2TAD
PIN 15 => CH211A YE 0.35 2TAD
PIN 16 => CH239A BU-WH 0.35 2TAD
PIN 18 => CH237A VT-GY 0.35 2TAD
PIN 19 => CH208C GN-OG 0.35 2TAD
PIN 20 => CH430E VT-OG 1.0 2TAD
PIN 22 => SBB24C VT-RD 1.5 3TBD + SBB24 VT-RD 1.5 3TBD
PIN 26 => CH233A VT-BN 0.35 2TAD
PIN 48 => VH406A VT-BN 0.35 2TAD
PIN 51 => CDC33D VT-GN 0.5 3TBD

CH232	WH-BN	2TAD	0.35	CH232A	WH-BN	2TAD	0.35
CH233C	VT-BN	2TAD	0.35	CH233B	VT-BN	2TAD	0.35
VH406C	VT-BN	2TAD	0.35	VH406B	VT-BN	2TAD	0.35
VH101	WH-VT	2TAD	0.35	VH101A	WH-VT	2TAD	0.50
SBB10G	YE-RD	2TAD	2.5	SBB10	YE-RD	3TBD	2.5
CH201A	BN-BU	2TAD	0.35	CH201	BN-BU	2TAD	0.35
CH229A	WH-BU	2TAD	0.35	CH229	WH-BU	2TAD	0.35
CBB05A	YE	2TAD	3.0	CBB05	YE	3TBD	2.0
CH228A	YE-GY	2TAD	0.35	CH228	YE-GY	2TAD	0.35
SBB17A	RD	2TAD	1.5	SBB17	RD	3TBD	2.5
CH208A	GN-OG	2TAD	0.35	CH208	GN-OG	2TAD	0.35
CH206A	YE-VT	2TAD	0.35	CH206	YE-VT	2TAD	0.35
CH427A	BN	2TAD	1.0	CH427B	BN	2TAD	1.0
CH209B	BN-YE	2TAD	0.35	CH209A	BN-YE	2TAD	0.35
CH207A	BU-GY	2TAD	0.35	CH207	BU-GY	2TAD	0.35
CH429A	GY-BN	2TAD	2.5	CH429B	GY-BN	2TAD	2.5
CH206B	YE-VT	2TAD	0.35	CH206C	YE-VT	2TAD	0.35
CH232C	WH-BN	2TAD	0.35	CH232B	WH-BN	2TAD	0.35
SBB24A	VT-RD	2TAD	1.5	SBB24	VT-RD	3TBD	1.5
CBB37D	WH	2TAD	0.35	CBB37B	WH	3TBD	0.5
VLF22	VT-GN	2TAD	0.35	VLF22A	VT-GN	3TBD	0.5
CH430A	VT-OG	2TAD	4.0	CH430H	VT-OG	2TAD	4.0
SBB20A	GN-RD	2TAD	1.5	SBB20	GN-RD	3TBD	1.5
CDC35D	BU-WH	2TAD	0.35	CDC35A	BU-WH	3TBD	0.5
CH428A	GN-WH	2TAD	1.5	CH428B	GN-WH	2TAD	1.5
CH234C	YE-GN	2TAD	0.35	CH234B	YE-GN	2TAD	0.35
CH234	YE-GN	2TAD	0.35	CH234A	YE-GN	2TAD	0.35



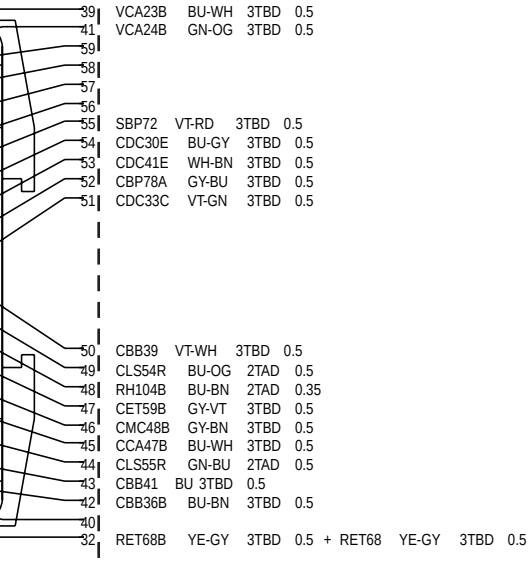
9U5T-14A459-VA

C21

TO 14401

HARNESS 14290

Part 2 of 3

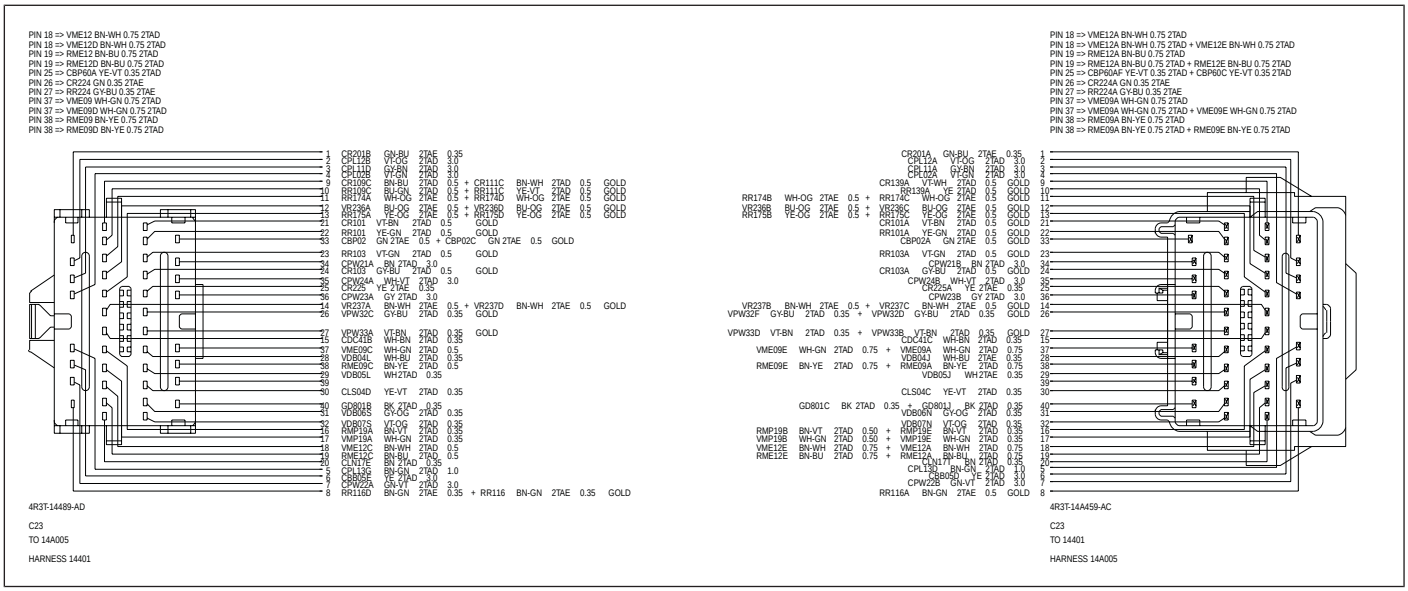


39	VCA23B	BU-WH	3TBD	0.5					
41	VCA24B	GN-OG	3TBD	0.5					
59									
58									
57									
56									
55	SBP72	VT-RD	3TBD	0.5					
54	CDC30E	BU-GY	3TBD	0.5					
53	CDC41E	WH-BN	3TBD	0.5					
52	CBP78A	GY-BU	3TBD	0.5					
51	CDC33C	VT-GN	3TBD	0.5					
50	CBB39	VT-WH	3TBD	0.5					
49	CLS54R	BU-OG	2TAD	0.5					
48	RH104B	BU-BN	2TAD	0.35					
47	CET59B	GY-VT	3TBD	0.5					
46	CMC48B	GY-BN	3TBD	0.5					
45	CCA47B	BU-WH	3TBD	0.5					
44	CLS55R	GN-BU	2TAD	0.5					
43	CBB41	BU	3TBD	0.5					
42	CBB36B	BU-BN	3TBD	0.5					
40									
32	RET68B	YE-GY	3TBD	0.5	+	RET68	YE-GY	3TBD	0.5

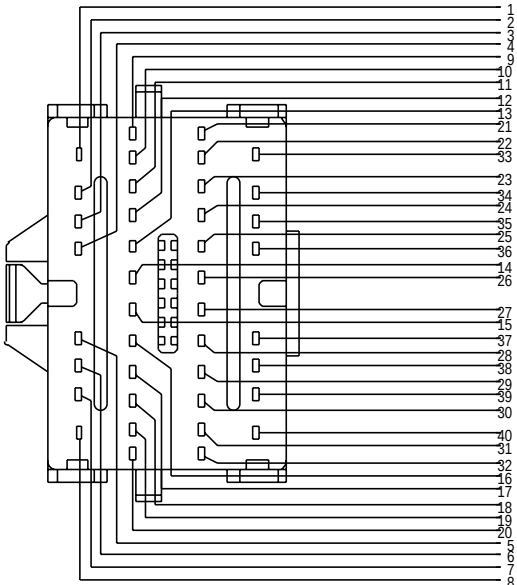
Part 3 of 3

In-Line Connector 23 (G1404908)

Thumbnail



PIN 18 => VME12 BN-WH 0.75 2TAD
PIN 18 => VME12D BN-WH 0.75 2TAD
PIN 19 => RME12 BN-BU 0.75 2TAD
PIN 19 => RME12D BN-BU 0.75 2TAD
PIN 25 => CBP60A YE-VT 0.35 2TAD
PIN 26 => CR224 GN 0.35 2TAE
PIN 27 => RR224 GY-BU 0.35 2TAE
PIN 37 => VME09 WH-GN 0.75 2TAD
PIN 37 => VME09D WH-GN 0.75 2TAD
PIN 38 => RME09 BN-YE 0.75 2TAD
PIN 38 => RME09D BN-YE 0.75 2TAD



1	CR201B	GN-BU	2TAE	0.35								
2	CPL12B	VT-OG	2TAD	3.0								
3	CPL11D	GY-BN	2TAD	3.0								
4	CPL02B	VT-GN	2TAD	3.0								
9	CR109C	BN-BU	2TAD	0.5	+	CR111C	BN-WH	2TAD	0.5	GOLD		
10	RR109C	BU-GN	2TAD	0.5	+	RR111C	YE-VT	2TAD	0.5	GOLD		
11	RR174A	WH-OG	2TAE	0.5	+	RR174D	WH-OG	2TAE	0.5	GOLD	RR174B	WH-OG 2TAE 0.5 + RR
12	VR236A	BU-OG	2TAE	0.5	+	VR236D	BU-OG	2TAE	0.5	GOLD	VR236B	BU-OG 2TAE 0.5 + VR
13	RR175A	YE-OG	2TAE	0.5	+	RR175D	YE-OG	2TAE	0.5	GOLD	RR175B	YE-OG 2TAE 0.5 + RR
21	CR101	VT-BN	2TAD	0.5		GOLD						CR
22	RR101	YE-GN	2TAD	0.5		GOLD						RR
33	CBP02	GN 2TAE	0.5	+	CBP02C	GN 2TAE	0.5	GOLD				
23	RR103	VT-GN	2TAD	0.5		GOLD						RR
34	CPW21A	BN 2TAD	3.0									
24	CR103	GY-BU	2TAD	0.5		GOLD						CR
35	CPW24A	WH-VT	2TAD	3.0								
25	CR225	YE 2TAE	0.35									
36	CPW23A	GY 2TAD	3.0									
14	VR237A	BN-WH	2TAE	0.5	+	VR237D	BN-WH	2TAE	0.5	GOLD	VR237B	BN-WH 2TAE 0.5 + VR
26	VPW32C	GY-BU	2TAD	0.35		GOLD					VPW32F	GY-BU 2TAD 0.35 + VPW
27	VPW33A	VT-BN	2TAD	0.35		GOLD					VPW33D	VT-BN 2TAD 0.35 + VPW
15	CDC41B	WH-BN	2TAD	0.35								
37	VME09C	WH-GN	2TAD	0.5							VME09E	WH-GN 2TAD 0.75
28	VDB04L	WH-BU	2TAD	0.35								
38	RME09C	BN-YE	2TAD	0.5							RME09E	BN-YE 2TAD 0.75
29	VDB05L	WH 2TAD	0.35									
39												
30	CLS04D	YE-VT	2TAD	0.35								
40	GD801B	BK 2TAD	0.35								GD801C	BK 2TAD
31	VDB06S	GY-OG	2TAD	0.35								
32	VDB07S	VT-OG	2TAD	0.35								
16	RMP19A	BN-VT	2TAD	0.35							RMP19B	BN-VT 2TAD 0.50
17	VMP19A	WH-GN	2TAD	0.35							VMP19B	WH-GN 2TAD 0.50
18	VME12C	BN-WH	2TAD	0.5							VME12E	BN-WH 2TAD 0.75
19	RME12C	BN-BU	2TAD	0.5							RME12E	BN-BU 2TAD 0.75
20	CLN17E	BN 2TAD	0.35									
5	CPL13G	BN-GN	2TAD	1.0								
6	CBP05E	YE 2TAD	3.0									
7	CPW22A	GN-VT	2TAD	3.0								
8	RR116D	BN-GN	2TAE	0.35	+	RR116	BN-GN	2TAE	0.35	GOLD		

4R3T-14489-AD

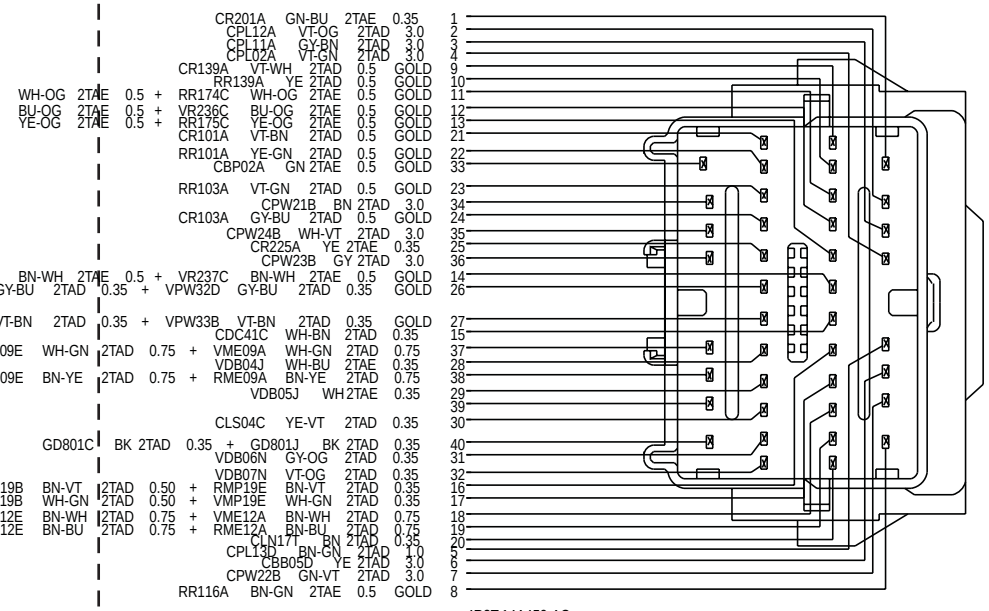
C23

TO 14A005

HARNESS 14401

Part 1 of 2

PIN 18 => VME12A BN-WH 0.75 2TAD
PIN 18 => VME12A BN-WH 0.75 2TAD + VME12E BN-WH 0.75 2TAD
PIN 19 => RME12A BN-BU 0.75 2TAD
PIN 19 => RME12A BN-BU 0.75 2TAD + RME12E BN-BU 0.75 2TAD
PIN 25 => CBP60AF YE-VT 0.35 2TAD + CBP60C YE-VT 0.35 2TAD
PIN 26 => CR224A GN 0.35 2TAE
PIN 27 => RR224A GY-BU 0.35 2TAE
PIN 37 => VME09A WH-GN 0.75 2TAD
PIN 37 => VME09A WH-GN 0.75 2TAD + VME09E WH-GN 0.75 2TAD
PIN 38 => RME09A BN-YE 0.75 2TAD
PIN 38 => RME09A BN-YE 0.75 2TAD + RME09E BN-YE 0.75 2TAD



4R3T-14A459-AC

C23

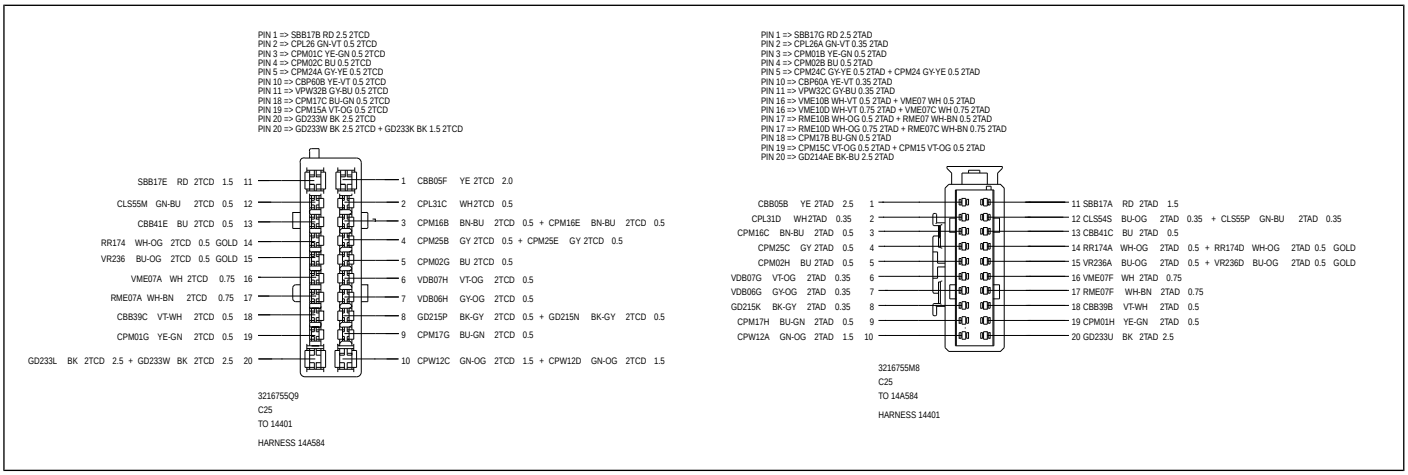
TO 14401

HARNESS 14A005

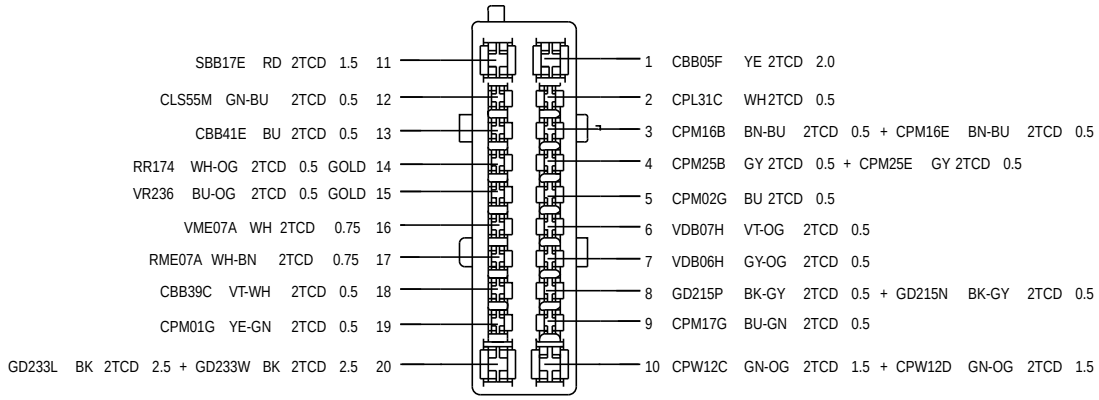
Part 2 of 2

In-Line Connector 25 (G1404909)

Thumbnail



PIN 1 => SBB17B RD 2.5 2TCD
PIN 2 => CPL26 GN-VT 0.5 2TCD
PIN 3 => CPM01C YE-GN 0.5 2TCD
PIN 4 => CPM02C BU 0.5 2TCD
PIN 5 => CPM24A GY-YE 0.5 2TCD
PIN 10 => CBP60B YE-VT 0.5 2TCD
PIN 11 => VPW32B GY-BU 0.5 2TCD
PIN 18 => CPM17C BU-GN 0.5 2TCD
PIN 19 => CPM15A VT-OG 0.5 2TCD
PIN 20 => GD233W BK 2.5 2TCD
PIN 20 => GD233W BK 2.5 2TCD + GD233K BK 1.5 2TCD

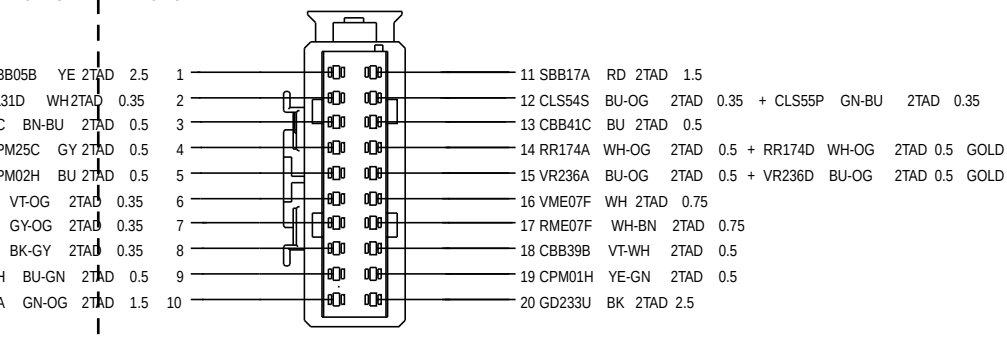


3216755Q9
C25
TO 14401
HARNESS 14A584

PIN 1 => SBB17G RD 2.5 2TAD
PIN 2 => CPL26A GN-VT 0.35 2T
PIN 3 => CPM01B YE-GN 0.5 2TA
PIN 4 => CPM02B BU 0.5 2TAD
PIN 5 => CPM24C GY-YE 0.5 2TA
PIN 10 => CBP60A YE-VT 0.35 2
PIN 11 => VPW32C GY-BU 0.35 2
PIN 16 => VME10B WH-VT 0.5 2
PIN 16 => VME10D WH-VT 0.75
PIN 17 => RME10B WH-OG 0.5 2
PIN 17 => RME10D WH-OG 0.75
PIN 18 => CPM17B BU-GN 0.5 2
PIN 19 => CPM15C VT-OG 0.5 2
PIN 20 => GD214AE BK-BU 2.5 2
CBB05B YE 2TAD 2.5 1
CPL31D WH 2TAD 0.35 2
CPM16C BN-BU 2TAD 0.5 3
CPM25C GY 2TAD 0.5 4
CPM02H BU 2TAD 0.5 5
VDB07G VT-OG 2TAD 0.35 6
VDB06G GY-OG 2TAD 0.35 7
GD215K BK-GY 2TAD 0.35 8
CPM17H BU-GN 2TAD 0.5 9
CPW12A GN-OG 2TAD 1.5 10

Part 1 of 2

IN 1 => SBB17G RD 2.5 2TAD
IN 2 => CPL26A GN-VT 0.35 2TAD
IN 3 => CPM01B YE-GN 0.5 2TAD
IN 4 => CPM02B BU 0.5 2TAD
IN 5 => CPM24D GY-YE 0.5 2TAD + CPM24 GY-YE 0.5 2TAD
IN 10 => CBP60A YE-VT 0.35 2TAD
IN 11 => VPW32C GY-BU 0.35 2TAD
IN 16 => VME10B WH-VT 0.5 2TAD + VME07 WH 0.5 2TAD
IN 16 => VME10D WH-VT 0.75 2TAD + VME07C WH 0.75 2TAD
IN 17 => RME10B WH-OG 0.5 2TAD + RME07 WH-BN 0.5 2TAD
IN 17 => RME10D WH-OG 0.75 2TAD + RME07C WH-BN 0.75 2TAD
IN 18 => CPM17B BU-GN 0.5 2TAD
IN 19 => CPM15C VT-OG 0.5 2TAD + CPM15 VT-OG 0.5 2TAD
IN 20 => GD214AE BK-BU 2.5 2TAD



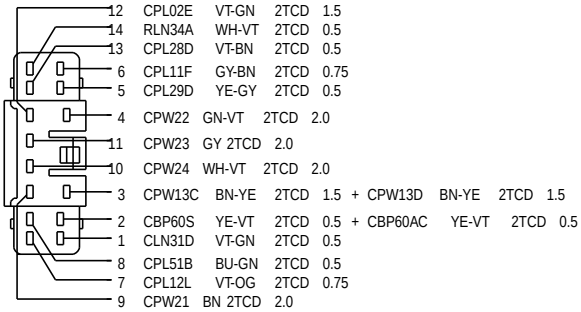
3216755M8
C25
TO 14A584

HARNESS 14401

Part 2 of 2

In-Line Connector 25—A (G1404910)

PIN 6 => CPL11L GY-BN 0.75 2TCD
PIN 8 => CPL51D BU-GN 0.5 2TCD
PIN 12 => CPL02F VT-GN 1.5 2TCD

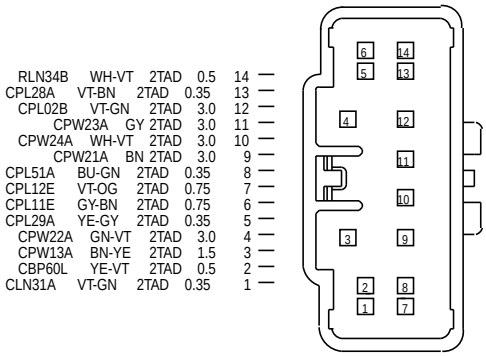


4L3T-14489-AC

C25-A

TO 14401

HARNESS 14584



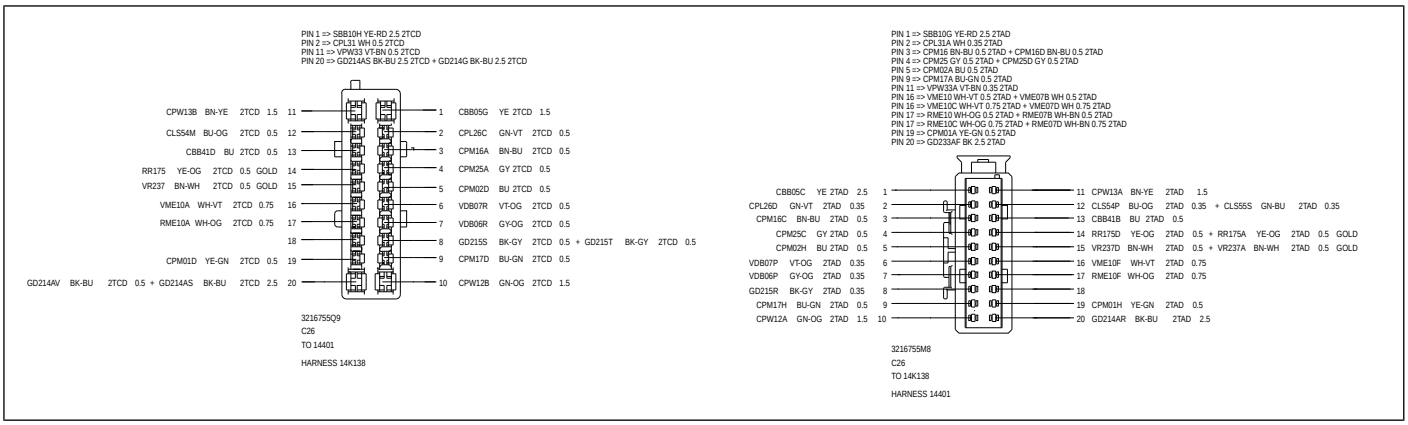
BU5T-14A459-BA

C25-A
TO 14A584

HARNESS 14401

In-Line Connector 26 (G1404924)

Thumbnail



PIN 1 => SBB10H YE-RD 2.5 2TCD
PIN 2 => CPL31 WH 0.5 2TCD
PIN 11 => VPW33 VT-BN 0.5 2TCD
PIN 20 => GD214AS BK-BU 2.5 2TCD + GD214G BK-BU 2.5 2TCD

CPW13B BN-YE 2TCD 1.5 11
CLS54M BU-OG 2TCD 0.5 12
CBB41D BU 2TCD 0.5 13
RR175 YE-OG 2TCD 0.5 GOLD 14
VR237 BN-WH 2TCD 0.5 GOLD 15
VME10A WH-VT 2TCD 0.75 16
RME10A WH-OG 2TCD 0.75 17
18
CPM01D YE-GN 2TCD 0.5 19
GD214AV BK-BU 2TCD 0.5 + GD214AS BK-BU 2TCD 2.5 20

1 CBB05G YE 2TCD 1.5
2 CPL26C GN-VT 2TCD 0.5
3 CPM16A BN-BU 2TCD 0.5
4 CPM25A GY 2TCD 0.5
5 CPM02D BU 2TCD 0.5
6 VDB07R VT-OG 2TCD 0.5
7 VDB06R GY-OG 2TCD 0.5
8 GD215S BK-GY 2TCD 0.5 + GD215T BK-GY 2TCD 0.5
9 CPM17D BU-GN 2TCD 0.5
10 CPW12B GN-OG 2TCD 1.5

3216755Q9
C26
TO 14401

HARNESS 14K138

CBB05C YE 2TA
CPL26D GN-VT 2TAD
CPM16C BN-BU 2TA
CPM25C GY 2TA
CPM02H BU 2TA
VDB07P VT-OG 2TAD
VDB06P GY-OG 2TAD
GD215R BK-GY 2TAD
CPM17H BU-GN 2TA
CPW12A GN-OG 2TA

Part 1 of 2

PIN 1 => SBB10G YE-RD 2.5 2TAD
PIN 2 => CPL31A WH 0.35 2TAD
PIN 3 => CPM16 BN-BU 0.5 2TAD + CPM16D BN-BU 0.5 2TAD
PIN 4 => CPM25 GY 0.5 2TAD + CPM25D GY 0.5 2TAD
PIN 5 => CPM02A BU 0.5 2TAD
PIN 9 => CPM17A BU-GN 0.5 2TAD
PIN 11 => VPW33A VT-BN 0.35 2TAD
PIN 16 => VME10 WH-VT 0.5 2TAD + VME07B WH 0.5 2TAD
PIN 16 => VME10C WH-VT 0.75 2TAD + VME07D WH 0.75 2TAD
PIN 17 => RME10 WH-OG 0.5 2TAD + RME07B WH-BN 0.5 2TAD
PIN 17 => RME10C WH-OG 0.75 2TAD + RME07D WH-BN 0.75 2TAD
PIN 19 => CPM01A YE-GN 0.5 2TAD
PIN 20 => GD233AF BK 2.5 2TAD

CBB05C YE 2TAD 2.5 1
CPL26D GN-VT 2TAD 0.35 2
CPM16C BN-BU 2TAD 0.5 3
CPM25C GY 2TAD 0.5 4
CPM02H BU 2TAD 0.5 5
VDB07P VT-OG 2TAD 0.35 6
VDB06P GY-OG 2TAD 0.35 7
GD215R BK-GY 2TAD 0.35 8
CPM17H BU-GN 2TAD 0.5 9
CPW12A GN-OG 2TAD 1.5 10

11 CPW13A BN-YE 2TAD 1.5
12 CLS54P BU-OG 2TAD 0.35 + CLS55S GN-BU 2TAD 0.35
13 CBB41B BU 2TAD 0.5
14 RR175D YE-OG 2TAD 0.5 + RR175A YE-OG 2TAD 0.5 GOLD
15 VR237D BN-WH 2TAD 0.5 + VR237A BN-WH 2TAD 0.5 GOLD
16 VME10F WH-VT 2TAD 0.75
17 RME10F WH-OG 2TAD 0.75
18
19 CPM01H YE-GN 2TAD 0.5
20 GD214AR BK-BU 2TAD 2.5

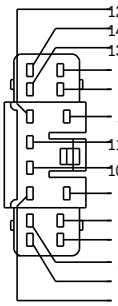
3216755M8
C26
TO 14K138

HARNESS 14401

Part 2 of 2

In-Line Connector 26—A (G1404925)

PIN 8 => CPL66C BU-BN 0.5 2TCD
PIN 9 => CPL11P GY-BN 1.0 2TCD
PIN 11 => CPL13M BN-GN 1.0 2TCD



12 CPL12P VT-OG 2TCD 1.5
14 RLN35A BU-OG 2TCD 0.5
13
6
5
4
11 CPL13H BN-GN 2TCD 1.0
10
3
2 CBP60AD YE-VT 2TCD 0.5 + CBP60R YE-VT 2TCD 0.5
1 CLN31C VT-GN 2TCD 0.5
8 CPL66A BU-BN 2TCD 0.5
7
9 CPL11H GY-BN 2TCD 1.0

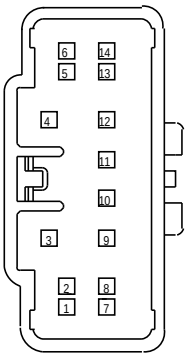
4L3T-14489-AC

C26-A

TO 14401

HARNESS 14K138

RLN35B BU-OG 2TAD 0.5 14
13
CPL12F VT-OG 2TAD 2.5 12
CPL13G BN-GN 2TAD 1.0 11
10
CPL11G GY-BN 2TAD 1.0 9
CPL66 BU-BN 2TAD 0.35 8
7
6
5
4
3
CBP60M YE-VT 2TAD 0.5 2
CLN31B VT-GN 2TAD 0.35 1



BU5T-14A459-BA

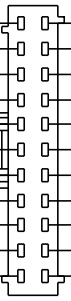
C26-A
TO 14K138

HARNESS 14401

In-Line Connector 29 (G1404926)

PIN 2 => VMM12B WH-BN 0.35 2TAD
PIN 3 => RMM12B VT-BN 0.35 2TAD

CBP60AB YE-VT 2TAD 0.5 + CBP60K YE-VT 2TAD 0.5 1
VMM12 WH-BN 2TAD 0.35 2
RMM12 VT-BN 2TAD 0.35 3
CLN27 WH-BN 2TAD 0.35 4
CLN17C BN 2TAD 0.35 5
6
VMP19A WH-GN 2TAD 0.35 7
RMP19A BN-VT 2TAD 0.35 8
9
VRW26 BN-YE 2TAD 0.35 10
GD214K BK-BU 2TAD 0.5 11



12 RRD12 BN 2TAD 0.35
13 CRW32 BN 2TAD 0.35
14
15 VRT26 VT 2TAD 0.35
16 CBP85D YE 2TAD 0.35
17 SBP81 RD 2TAD 0.35
18
19
20
21 GD801A BK 2TAD 0.35
22 GD215AA BK-GY 2TAD 0.35

1S7T-14489-SB

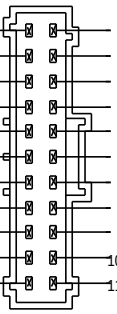
C29

TO 14334

HARNESS 14401

PIN 11 => GD233C BK 0.5 2TAD + GD233AC BK 0.5 2TAD
PIN 12 => RRD12B BN 0.35 2TAD
PIN 16 => CBP85F YE 0.35 2TAD

RRD12A BN 2TAD 0.35 12
CRW32A BN 2TAD 0.35 13
14
VRT26A VT 2TAD 0.35 15
CBP85J YE 2TAD 0.35 16
SBP81A RD 2TAD 0.35 17
18
19
20
GD801 BK 2TAD 0.35 21
GD215AB BK-GY 2TAD 0.35 + GD215AR BK-GY 2TAD 0.35 22



1 CBP60AA YE-VT 2TAD 0.5 + CBP60H YE-VT 2TAD 0.5
2 VMM12A WH-BN 2TAD 0.35
3 RMM12A VT-BN 2TAD 0.35
4 CLN27C WH-BN 2TAD 0.35 + CLN27E WH-BN 2TAD 0.35
5 CLN17D BN 2TAD 0.35
6
7 VMP19 WH-GN 2TAD 0.35
8 RMP19 BN-VT 2TAD 0.35
9
10 VRW26A BN-YE 2TAD 0.35
11 GD233AC BK 2TAD 0.5 + GD233E BK 2TAD 0.5

1S7T-14A459-SB

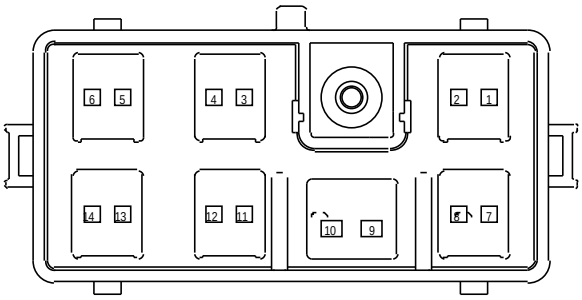
C29

TO 14401

HARNESS 14334

In-Line Connector 30 (G1404927)

PIN 10 => GD345E BK-BU 1.5 2TAD
PIN 12 => GD346A BK-GN 1.0 2TAD
PIN 14 => GD343K BK-VT 0.35 2TAE
PIN 14 => GD345S BK-BU 0.35 2TAE



1	CR105	GN-BU	2TAD	0.5	+	CR105A	GN-BU	2TAD	0.5	GOLD
2	RR105	GY-YE	2TAD	0.5	+	RR105A	GY-YE	2TAD	0.5	GOLD
3										
4										
5										
6										
7										
8										
9	CBX01A	GN-RD	2TAD	1.5						
10	GD343N	BK-VT	2TAD	1.5	+	GD345E	BK-BU	2TAD	1.5	
11	CBB38C	GY-BU	2TAD	1.0						
12	GD344A	BK-GY	2TAD	1.0	+	GD346A	BK-GN	2TAD	1.0	
13	CR201	GN-BU	2TAE	0.35	+	CR201A	GN-BU	2TAE	0.35	
14	RR155B	GY 2TAE	0.35	+	GD343K	BK-VT	2TAE	0.35		

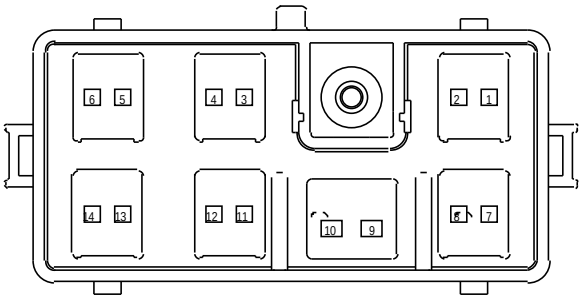
2M5T-14489-LPC

C30
TO DRIVER SEAT CONNECTOR

HARNESS 14A005

In-Line Connector 31 (G1404928)

PIN 12 => GD343D BK-VT 1.0 2TAD



1	CR106	VT-GY	2TAD	0.5	+	CR106A	VT-GY	2TAD	0.5	GOLD
2	RR106	YE-OG	2TAD	0.5	+	RR106A	YE-OG	2TAD	0.5	GOLD
3										
4										
5	CR228	BN-VT	2TAE	0.5						
6	RR155	GY 2TAE	0.5							
7										
8										
9										
10										
11	CBB38B	GY-BU	2TAD	1.0						
12	GD345D	BK-BU	2TAD	1.0	+	GD343D	BK-VT	2TAD	1.0	
13	CR203	GY-VT	2TAE	0.35						
14	RR155A	GY 2TAE	0.35							

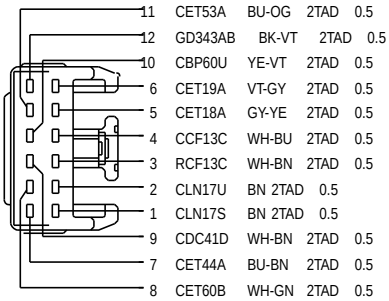
2M5T-14489-LPC

C31
TO PASSENGER SEAT CONNECTOR

HARNESS 14A005

In-Line Connector 33 (G1404929)

PIN 12 => GD343AD BK-VT 0.5 2TAD + GD343AB BK-VT 0.5 2TAD



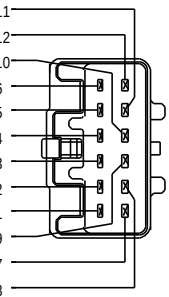
11	CET53A	BU-OG	2TAD	0.5	
12	GD343AB	BK-VT	2TAD	0.5	
10	CBP60U	YE-VT	2TAD	0.5	
6	CET19A	VT-GY	2TAD	0.5	
5	CET18A	GY-YE	2TAD	0.5	
4	CCF13C	WH-BU	2TAD	0.5	
3	RCF13C	WH-BN	2TAD	0.5	
2	CLN17U	BN 2TAD	0.5		
1	CLN17S	BN 2TAD	0.5		
9	CDC41D	WH-BN	2TAD	0.5	
7	CET44A	BU-BN	2TAD	0.5	
8	CET60B	WH-GN	2TAD	0.5	

4S7T-14489-VKA

C33
TO 14A005

HARNESS 14B079

PIN 12 => GD343AA BK-VT 0.35 2TAD
PIN 12 => GD343AA BK-VT 0.35 2TAD + GD345V BK-BU 0.35 2TAD



						CET53	BU-OG	2TAD	0.35	11
GD343AA	BK-VT	2TAD	0.35	+		GD345V	BK-BU	2TAD	0.35	12
CBP60E	YE-VT	2TAD	0.5	+		CBP60AE	YE-VT	2TAD	0.5	10
						CET19C	VT-GY	2TAD	0.35	6
						CET18C	GY-YE	2TAD	0.35	5
						CCF13A	WH-BU	2TAD	0.5	4
						RCF13A	WH-BN	2TAD	0.35	3
						CLN17	BN 2TAD		0.35	2
						CLN17T	BN 2TAD		0.35	1
						CDC41C	WH-BN	2TAD	0.35	9
						CET44C	BU-BN	2TAD	0.35	7
						CET60A	WH-GN	2TAD	0.35	8

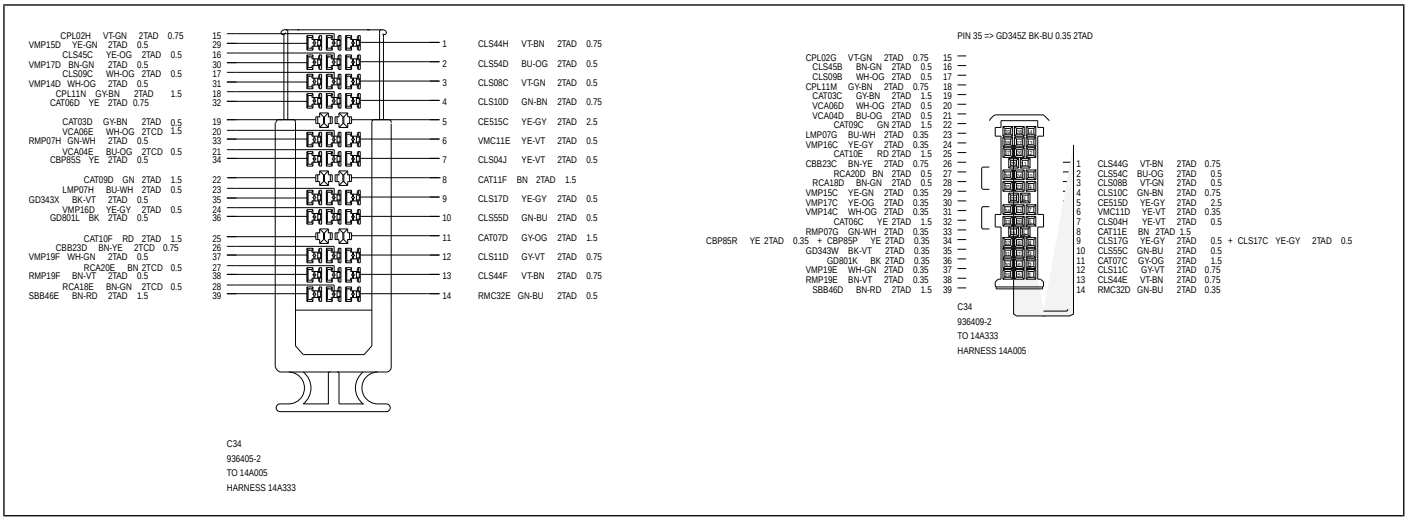
4S7T-14A459-VKA

C33
TO 14B079

HARNESS 14A005

In-Line Connector 34 (G1404930)

Thumbnail

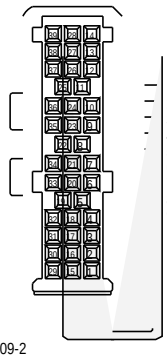


CPL02H VT-GN 2TAD 0.75
VMP15D YE-GN 2TAD 0.5
CLS45C YE-OG 2TAD 0.5
VMP17D BN-GN 2TAD 0.5
CLS09C WH-OG 2TAD 0.5
VMP14D WH-OG 2TAD 0.5
CPL11N GY-BN 2TAD 1.5
CAT06D YE 2TAD 0.75
CAT03D GY-BN 2TAD 0.5
VCA06E WH-OG 2TCD 1.5
RMP07H GN-WH 2TAD 0.5
VCA04E BU-OG 2TCD 0.5
CBP85S YE 2TAD 0.5
CAT09D GN 2TAD 1.5
LMP07H BU-WH 2TAD 0.5
GD343X BK-VT 2TAD 0.5
VMP16D YE-GY 2TAD 0.5
GD801L BK 2TAD 0.5
CAT10F RD 2TAD 1.5
CBB23D BN-YE 2TCD 0.75
VMP19F WH-GN 2TAD 0.5
RCA20E BN 2TCD 0.5
RMP19F BN-VT 2TAD 0.5
RCA18E BN-GN 2TCD 0.5
SBB46E BN-RD 2TAD 1.5
15 29 16 30 17 31 18 32 19 20 33 21 34 22 23 35 24 36 25 26 37 27 38 28 39
1 2 3 4 5 6 7 8 9 10 11 12 13 14
CLS44H VT-BN 2TAD 0.75
CLS54D BU-OG 2TAD 0.5
CLS08C VT-GN 2TAD 0.5
CLS10D GN-BN 2TAD 0.75
CE515C YE-GY 2TAD 2.5
VMC11E YE-VT 2TAD 0.5
CLS04J YE-VT 2TAD 0.5
CAT11F BN 2TAD 1.5
CLS17D YE-GY 2TAD 0.5
CLS55D GN-BU 2TAD 0.5
CAT07D GY-OG 2TAD 1.5
CLS11D GY-VT 2TAD 0.75
CLS44F VT-BN 2TAD 0.75
RMC32E GN-BU 2TAD 0.5
C34
936405-2
TO 14A005
HARNESS 14A333

Part 1 of 2

PIN 35 => GD345Z BK-BU 0.35 2TAD

CPL02G	VT-GN	2TAD	0.75	15			1	CLS44G	VT-BN	2TAD	0.75		
CLS45B	BN-GN	2TAD	0.5	16			2	CLS54C	BU-OG	2TAD	0.5		
CLS09B	WH-OG	2TAD	0.5	17			3	CLS08B	VT-GN	2TAD	0.5		
CPL11M	GY-BN	2TAD	0.75	18			4	CLS10C	GN-BN	2TAD	0.75		
CAT03C	GY-BN	2TAD	1.5	19			5	CE515D	YE-GY	2TAD	2.5		
VCA06D	WH-OG	2TAD	0.5	20			6	VMC11D	YE-VT	2TAD	0.35		
VCA04D	BU-OG	2TAD	0.5	21			7	CLS04H	YE-VT	2TAD	0.5		
CAT09C	GN	2TAD	1.5	22			8	CAT11E	BN	2TAD	1.5		
LMP07G	BU-WH	2TAD	0.35	23			9	CLS17G	YE-GY	2TAD	0.5	+ CLS17C	YE-GY 2TAD 0.5
VMP16C	YE-GY	2TAD	0.35	24			10	CLS55C	GN-BU	2TAD	0.5		
CAT10E	RD	2TAD	1.5	25			11	CAT07C	GY-OG	2TAD	1.5		
CBB23C	BN-YE	2TAD	0.75	26			12	CLS11C	GY-VT	2TAD	0.75		
RCA20D	BN	2TAD	0.5	27			13	CLS44E	VT-BN	2TAD	0.75		
RCA18D	BN-GN	2TAD	0.5	28			14	RMC32D	GN-BU	2TAD	0.35		
VMP15C	YE-GN	2TAD	0.35	29									
VMP17C	YE-OG	2TAD	0.35	30									
VMP14C	WH-OG	2TAD	0.35	31									
CAT06C	YE	2TAD	1.5	32									
RMP07G	GN-WH	2TAD	0.35	33									
0.35 + CBP85P	YE	2TAD	0.35	34									
GD343W	BK-VT	2TAD	0.35	35									
GD801K	BK	2TAD	0.35	36									
VMP19E	WH-GN	2TAD	0.35	37									
RMP19E	BN-VT	2TAD	0.35	38									
SBB46D	BN-RD	2TAD	1.5	39									

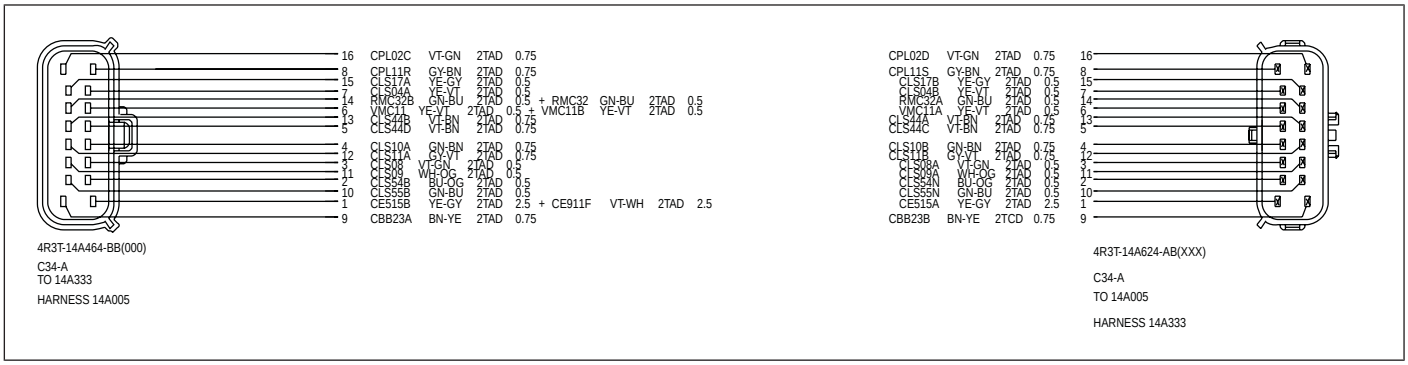


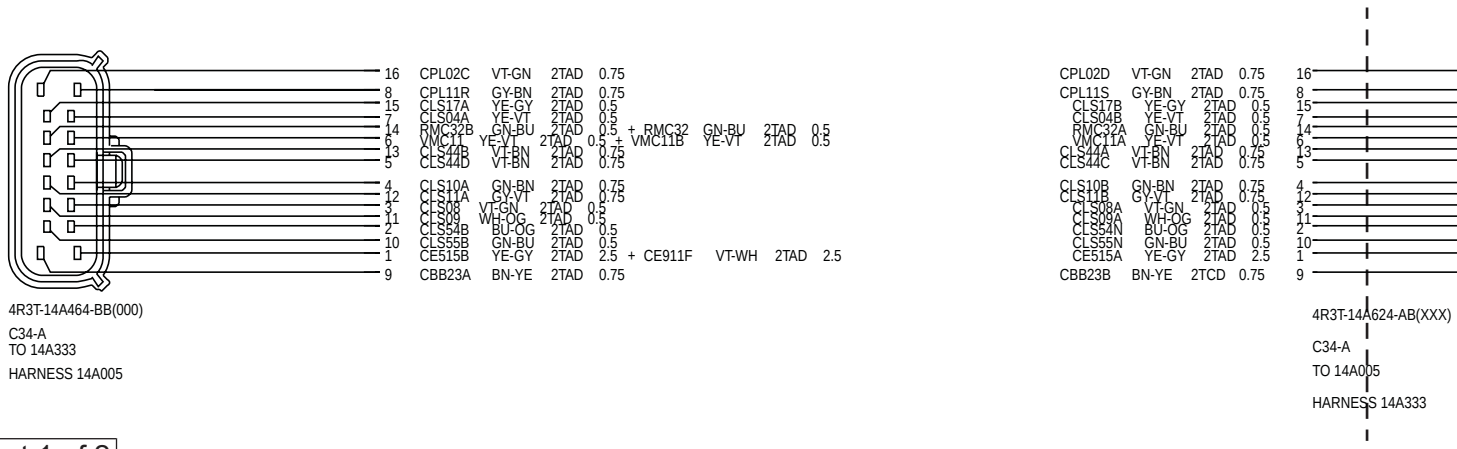
C34
936409-2
TO 14A333
HARNESS 14A005

Part 2 of 2

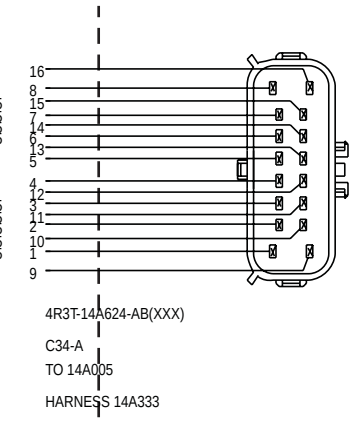
In-Line Connector 34—A (G1404931)

Thumbnail





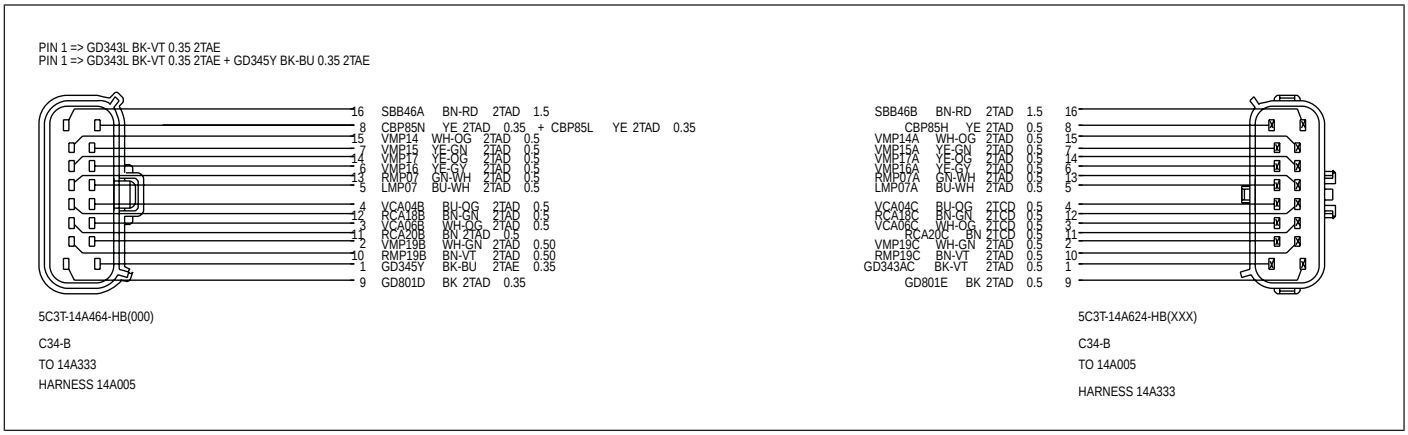
Part 1 of 2

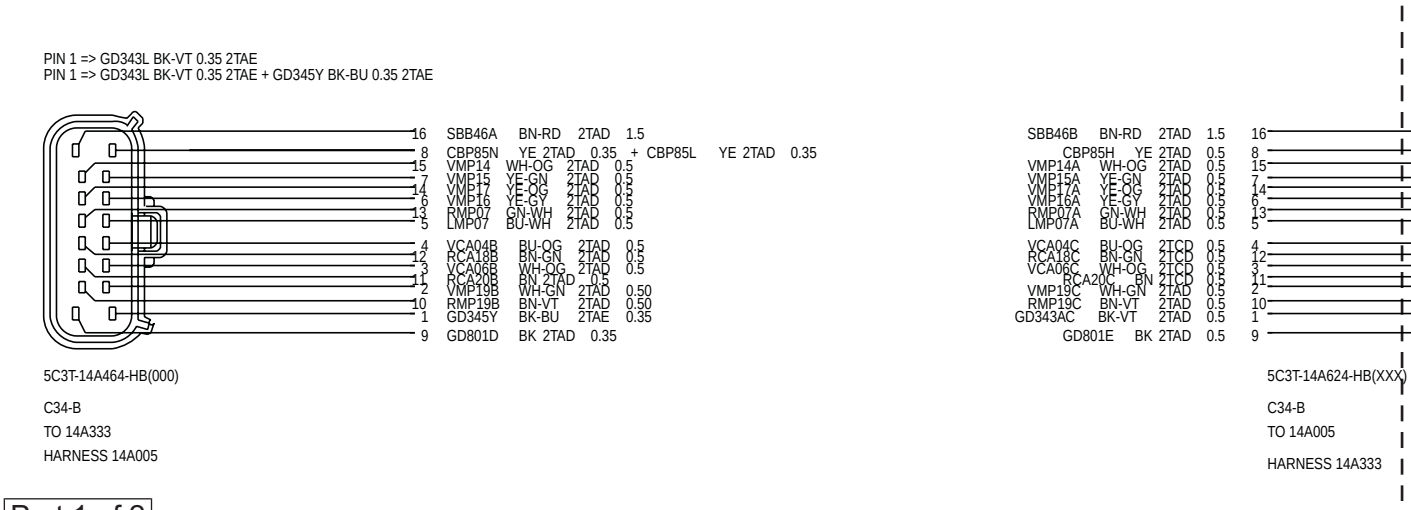


Part 2 of 2

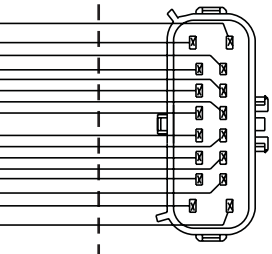
In-Line Connector 34—B (G1404932)

Thumbnail





Part 1 of 2

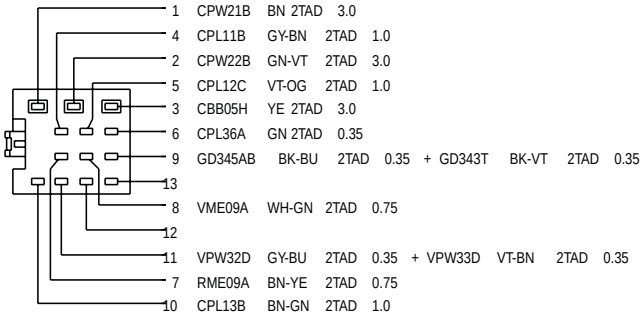


Part 2 of 2

In-Line Connector 37 (G1404933)

Thumbnail

PIN 1 => SBB51A BU-RD 2.5 2TAD
PIN 3 => GD345M BK-BU 2.5 2TAD
PIN 9 => GD343T BK-VT 0.35 2TAD



1	CPW21B	BN	2TAD	3.0						
4	CPL11B	GY-BN	2TAD	1.0						
2	CPW22B	GN-VT	2TAD	3.0						
5	CPL12C	VT-OG	2TAD	1.0						
3	CBB05H	YE	2TAD	3.0						
6	CPL36A	GN	2TAD	0.35						
9	GD345AB	BK-BU	2TAD	0.35	+	GD343T	BK-VT	2TAD	0.35	
13										
8	VME09A	WH-GN	2TAD	0.75						
12										
11	VPW32D	GY-BU	2TAD	0.35	+	VPW33D	VT-BN	2TAD	0.35	
7	RME09A	BN-YE	2TAD	0.75						
10	CPL13B	BN-GN	2TAD	1.0						

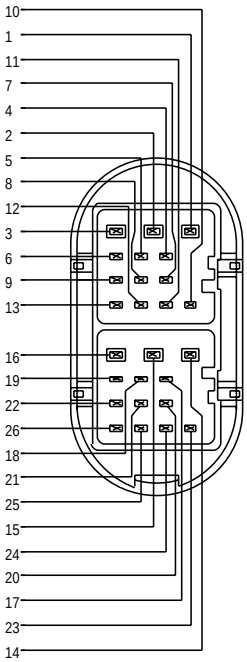
3M5T-14489-RNA

C37

TO 14241

HARNESS 14A005

PIN 1 => SBB51B BU-RD 2.5 2TCD
PIN 3 => GD343G BK-VT 2.5 2TCD



CPL13J	BN-GN	2TCD	1.0	10	
CPW21C	BN	2TCD	1.5	1	
VPW32E	GY-BU	2TCD	0.5	11	
RME09B	BN-YE	2TCD	0.75	7	
CPL11J	GY-BN	2TCD	1.0	4	
CPW22C	GN-VT	2TCD	1.5	2	
CPL12J	VT-OG	2TCD	1.0	5	
VME09B	WH-GN	2TCD	0.75	8	
				12	
CBB05K	YE	2TCD	1.5	3	
CPL36	GN	2TCD	0.5	6	
GD343R	BK-VT	2TAD	0.5	9	
				13	
				16	
				19	
				22	
				26	
				18	
				21	
				25	
				15	
				24	
				20	
				17	
				23	
				14	

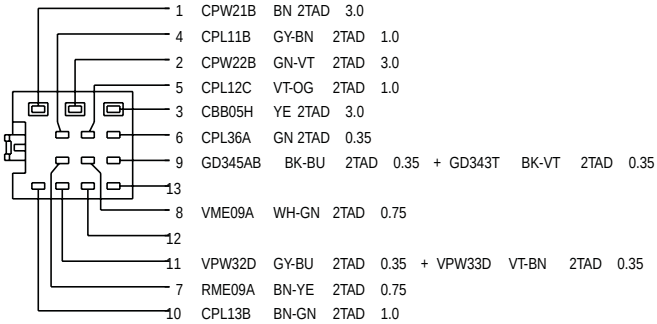
3M5T-14A624-RPD

C37

TO 14A005

HARNESS 14241

PIN 1 => SBB51A BU-RD 2.5 2TAD
PIN 3 => GD345M BK-BU 2.5 2TAD
PIN 9 => GD343T BK-VT 0.35 2TAD



1	CPW21B	BN	2TAD	3.0						
4	CPL11B	GY-BN	2TAD	1.0						
2	CPW22B	GN-VT	2TAD	3.0						
5	CPL12C	VT-OG	2TAD	1.0						
3	CBB05H	YE	2TAD	3.0						
6	CPL36A	GN	2TAD	0.35						
9	GD345AB	BK-BU	2TAD	0.35	+	GD343T	BK-VT	2TAD	0.35	
13										
8	VME09A	WH-GN	2TAD	0.75						
12										
11	VPW32D	GY-BU	2TAD	0.35	+	VPW33D	VT-BN	2TAD	0.35	
7	RME09A	BN-YE	2TAD	0.75						
10	CPL13B	BN-GN	2TAD	1.0						

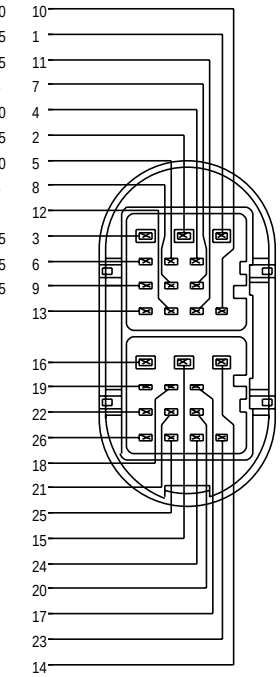
3M5T-14489-RNA

C37

TO 14241

HARNESS 14A005

PIN 1 => SBB51B BU-RD 2.5 2TCD
PIN 3 => GD343G BK-VT 2.5 2TCD



CPL13J	BN-GN	2TCD	1.0	10	
CPW21C	BN	2TCD	1.5	1	
VPW32E	GY-BU	2TCD	0.5	11	
RME09B	BN-YE	2TCD	0.75	7	
CPL11J	GY-BN	2TCD	1.0	4	
CPW22C	GN-VT	2TCD	1.5	2	
CPL12J	VT-OG	2TCD	1.0	5	
VME09B	WH-GN	2TCD	0.75	8	
				12	
CBB05K	YE	2TCD	1.5	3	
CPL36	GN	2TCD	0.5	6	
GD343R	BK-VT	2TAD	0.5	9	
				13	
				16	
				19	
				22	
				26	
				18	
				21	
				25	
				15	
				24	
				20	
				17	
				23	
				14	

3M5T-14A624-RPD

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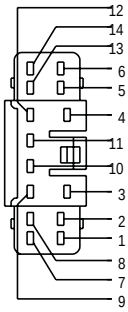
TO 14A005

HARNESS 14241

Part 1 of 2

Part 2 of 2

In-Line Connector 37—A (G1404934)



14	CR120B	BU-OG	2TCD	0.5	GOLD
13	RR120B	BN-GN	2TCD	0.5	GOLD
6	CPL36B	GN 2TCD	0.5		
5	GD343V	BK-VT	2TAD	0.5	
8	VME09F	WH-GN	2TCD	0.75	
9	RME09F	BN-YE	2TCD	0.75	

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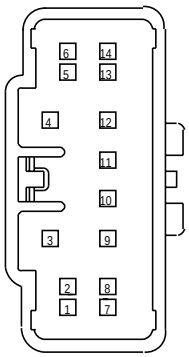
C37-A

TO 14A005

HARNESS 14241

PIN 5 => GD345AD BK-BU 0.35 2TAD
PIN 5 => GD345AD BK-BU 0.35 2TAD + GD343AF BK-VT 0.35 2TAD

CR122C	WH-OG	2TAD	0.5	+	CR120A	BU-OG	2TAD	0.5	GOLD	14	
RR122C	BN	2TAD	0.5	+	RR120A	BN-GN	2TAD	0.5	GOLD	13	
										12	
										11	
										10	
						RME09E	BN-YE	2TAD	0.75	9	
						VME09E	WH-GN	2TAD	0.75	8	
										7	
						CPL36C	GN	2TAD	0.35	6	
GD343AF	BK-VT	2TAD	0.35	+	GD345AD	BK-BU	2TAD	0.35		5	
										4	
										3	
										2	
										1	



BU5T-14A459-BA

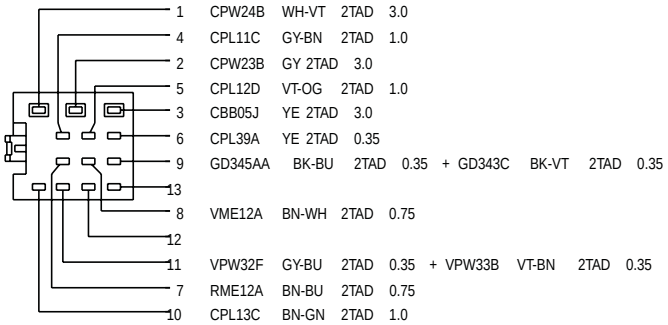
C37-A

TO 14241

HARNESS 14A005

In-Line Connector 38 (G1404935)

PIN 1 => SBB51D BU-RD 2.5 2TAD
PIN 3 => GD345C BK-BU 2.5 2TAD
PIN 9 => GD343C BK-VT 0.35 2TAD
PIN 9 => GD343C BK-VT 0.35 2TAD + GD345AA BK-BU 0.35 2TAD



1	CPW24B	WH-VT	2TAD	3.0						
4	CPL11C	GY-BN	2TAD	1.0						
2	CPW23B	GY	2TAD	3.0						
5	CPL12D	VT-OG	2TAD	1.0						
3	CBB05J	YE	2TAD	3.0						
6	CPL39A	YE	2TAD	0.35						
9	GD345AA	BK-BU	2TAD	0.35	+	GD343C	BK-VT	2TAD	0.35	
13										
8	VME12A	BN-WH	2TAD	0.75						
12										
11	VPW32F	GY-BU	2TAD	0.35	+	VPW33B	VT-BN	2TAD	0.35	
7	RME12A	BN-BU	2TAD	0.75						
10	CPL13C	BN-GN	2TAD	1.0						

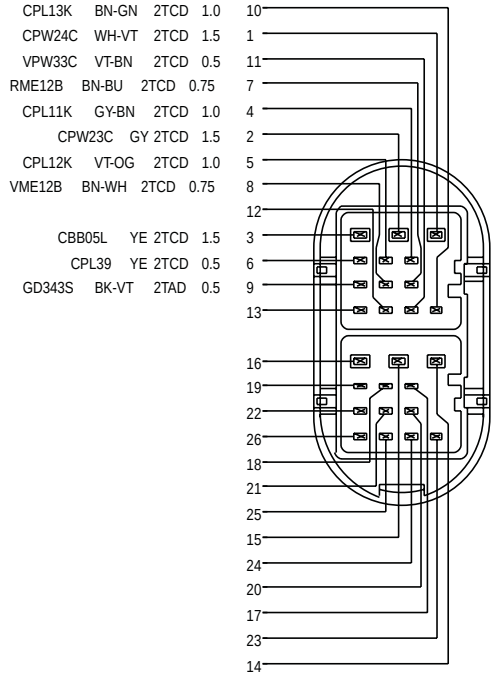
3M5T-14489-RNA

C38

TO 14240

HARNESS 14A005

PIN 1 => SBB51E BU-RD 2.5 2TCD
PIN 3 => GD345G BK-BU 2.5 2TCD



CPL13K	BN-GN	2TCD	1.0	10						
CPW24C	WH-VT	2TCD	1.5	1						
VPW33C	VT-BN	2TCD	0.5	11						
RME12B	BN-BU	2TCD	0.75	7						
CPL11K	GY-BN	2TCD	1.0	4						
CPW23C	GY	2TCD	1.5	2						
CPL12K	VT-OG	2TCD	1.0	5						
VME12B	BN-WH	2TCD	0.75	8						
				12						
CBB05L	YE	2TCD	1.5	3						
CPL39	YE	2TCD	0.5	6						
GD343S	BK-VT	2TAD	0.5	9						
				13						
				16						
				19						
				22						
				26						
				18						
				21						
				25						
				15						
				24						
				20						
				17						
				23						
				14						

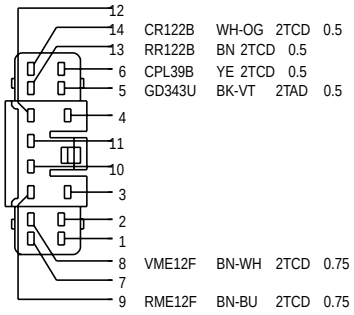
3M5T-14A624-RPD

C38

TO 14A005

HARNESS 14240

In-Line Connector 38—A (G1404936)



12										
14	CR122B	WH-OG	2TCD	0.5	GOLD					
13	RR122B	BN	2TCD	0.5	GOLD					
6	CPL39B	YE	2TCD	0.5						
5	GD343U	BK-VT	2TAD	0.5						
4										
11										
10										
3										
2										
1										
8	VME12F	BN-WH	2TCD	0.75						
7										
9	RME12F	BN-BU	2TCD	0.75						

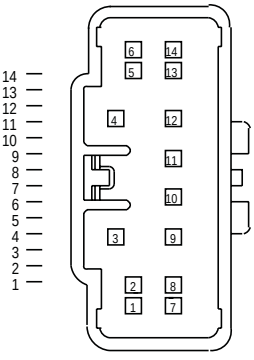
4L3T-14489-AC

C38-A

TO 14A005

HARNESS 14240

PIN 5 => GD343AG BK-VT 0.35 2TAD
PIN 5 => GD343AG BK-VT 0.35 2TAD + GD345AC BK-BU 0.35 2TAD



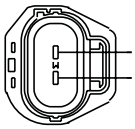
CR122A	WH-OG	2TAD	0.5	+	CR120C	BU-OG	2TAD	0.5	GOLD	14
RR122A	BN	2TAD	0.5	+	RR120C	BN-GN	2TAD	0.5	GOLD	13
										12
										11
										10
					RME12E	BN-BU	2TAD	0.75		9
					VME12E	BN-WH	2TAD	0.75		8
										7
					CPL39C	YE	2TAD	0.35		6
GD343AG	BK-VT	2TAD	0.35	+	GD345AC	BK-BU	2TAD	0.35		5
										4
										3
										2
										1

BU5T-14A459-BA

C38-A
TO 14240

HARNESS 14A005

In-Line Connector 44 (G1404944)



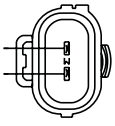
2	GD476AJ	BK-WH	2TAD	0.5
1	CLS17H	YE-GY	2TAD	0.5

97BG-14A464-VBB

C44

TO 14A333

HARNESS 13B551



					GD476D	BK-WH	2TAD	0.75	2
CLS17D	YE-GY	2TAD	0.5	+	CLS17B	YE-GY	2TAD	0.5	1

97BG-14A624-VBB

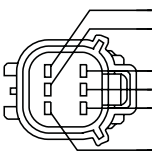
C44

TO 13B551

HARNESS 14A333

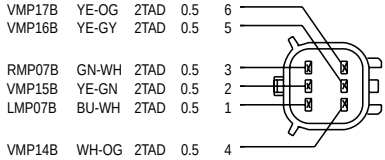
In-Line Connector 44—A (G1404945)

Thumbnail



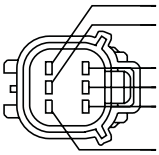
6	VMP17D	YE-OG	2TAD	0.5	+	VMP17A	YE-OG	2TAD	0.5
5	VMP16D	YE-GY	2TAD	0.5	+	VMP16A	YE-GY	2TAD	0.5
3	RMP07H	GN-WH	2TAD	0.5	+	RMP07A	GN-WH	2TAD	0.5
2	VMP15D	YE-GN	2TAD	0.5	+	VMP15A	YE-GN	2TAD	0.5
1	LMP07H	BU-WH	2TAD	0.5	+	LMP07A	BU-WH	2TAD	0.5
4	VMP14D	WH-OG	2TAD	0.5	+	VMP14A	WH-OG	2TAD	0.5

AU5T-14A464-FA(000)
C44-A
TO 19B516
HARNESS 14A333



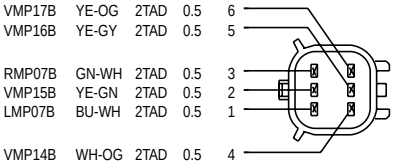
VMP17B	YE-OG	2TAD	0.5	6
VMP16B	YE-GY	2TAD	0.5	5
RMP07B	GN-WH	2TAD	0.5	3
VMP15B	YE-GN	2TAD	0.5	2
LMP07B	BU-WH	2TAD	0.5	1
VMP14B	WH-OG	2TAD	0.5	4

5W7T-14A624-EA(XXX)
C44-A
TO 14A333
HARNESS 19B516



6	VMP17D	YE-OG	2TAD	0.5	+	VMP17A	YE-OG	2TAD	0.5
5	VMP16D	YE-GY	2TAD	0.5	+	VMP16A	YE-GY	2TAD	0.5
3	RMP07H	GN-WH	2TAD	0.5	+	RMP07A	GN-WH	2TAD	0.5
2	VMP15D	YE-GN	2TAD	0.5	+	VMP15A	YE-GN	2TAD	0.5
1	LMP07H	BU-WH	2TAD	0.5	+	LMP07A	BU-WH	2TAD	0.5
4	VMP14D	WH-OG	2TAD	0.5	+	VMP14A	WH-OG	2TAD	0.5

AU5T-14A464-FA(000)
C44-A
TO 19B516
HARNESS 14A333



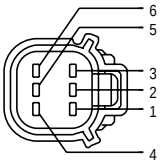
VMP17B	YE-OG	2TAD	0.5	6
VMP16B	YE-GY	2TAD	0.5	5
RMP07B	GN-WH	2TAD	0.5	3
VMP15B	YE-GN	2TAD	0.5	2
LMP07B	BU-WH	2TAD	0.5	1
VMP14B	WH-OG	2TAD	0.5	4

5W7T-14A624-EA(XXX)
C44-A
TO 14A333
HARNESS 19B516

Part 1 of 2

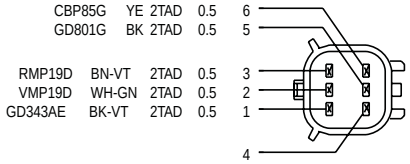
Part 2 of 2

In-Line Connector 44—B (G1404946)



6	CBP85H	YE	2TAD	0.5	+	CBP85S	YE	2TAD	0.5
5	GD801F	BK	2TAD	0.5	+	GD801M	BK	2TAD	0.5
3	RMP19C	BN-VT	2TAD	0.5	+	RMP19F	BN-VT	2TAD	0.5
2	VMP19C	WH-GN	2TAD	0.5	+	VMP19F	WH-GN	2TAD	0.5
1	GD343AC	BK-VT	2TAD	0.5	+	GD343X	BK-VT	2TAD	0.5
4									

3W4T-14A464-AA(000)
C44-B
TO 14B562
HARNESS 14A333

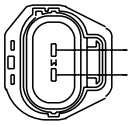


CBP85G	YE	2TAD	0.5	6
GD801G	BK	2TAD	0.5	5
RMP19D	BN-VT	2TAD	0.5	3
VMP19D	WH-GN	2TAD	0.5	2
GD343AE	BK-VT	2TAD	0.5	1
				4

5W7T-14A624-EA(XXX)
C44-B
TO 14A333
HARNESS 14B652

In-Line Connector 44—C (G1404947)

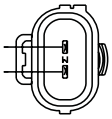
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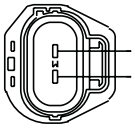
2 SBB46E BN-RD 2TAD 1.5 + SBB46B BN-RD 2TAD 1.5
1 GD476F BK-WH 2TAD 1.5

97BG-14A464-VBB
C44-C
TO 19B966
HARNESS 14A333

SBB46C BN-RD 2TAD 2.5 2
GD476G BK-WH 2TAD 2.5 1



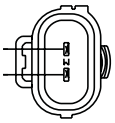
97BG-14A624-VBB
C44-C
TO 14A333
HARNESS 19B966



2 SBB46E BN-RD 2TAD 1.5 + SBB46B BN-RD 2TAD 1.5
1 GD476F BK-WH 2TAD 1.5

97BG-14A464-VBB
C44-C
TO 19B966
HARNESS 14A333

SBB46C BN-RD 2TAD 2.5 2
GD476G BK-WH 2TAD 2.5 1



97BG-14A624-VBB
C44-C
TO 14A333
HARNESS 19B966

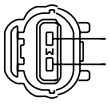
Part 1 of 2

-VBB

B966

Part 2 of 2

In-Line Connector 44—D (G1404948)



1 CLS04E YE-VT 2TAD 0.5
2 GD476R BK-WH 2TAD 0.5

2S7T-14A464-GA
C44-D
TO 14A333
HARNESS 19B516

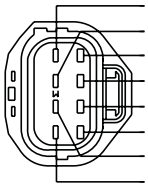
CLS04B YE-VT 2TAD 0.5 + CLS04J YE-VT 2TAD 0.5 1
GD476M BK-WH 2TAD 0.5 2



2S7T-14A624-GA
C44-D
TO 19B516
HARNESS 14A333

In-Line Connector 44—E (G1404949)

PIN 1 => CAT11B BN 1.5 2TAD
PIN 2 => CAT10D RD 1.5 2TAD
PIN 3 => CAT09B GN 1.5 2TAD
PIN 4 => CAT07E BU 1.5 2TAD
PIN 5 => CAT06B YE 1.5 2TAD
PIN 6 => CAT03B BU 1.5 2TAD
PIN 8 => GD476P WH 2.5 2TAD



8 GD476AB BK-GY 2TAD 2.5
7
4 CAT07 GY-OG 2TAD 1.5
3 CAT09 GN 2TAD 1.5
2 CAT10B VT-WH 2TAD 1.5
1 CAT11S BU-BN 2TAD 1.0
6 CAT03 GN-BN 2TAD 1.0
5 CAT06 YE 2TAD 1.5

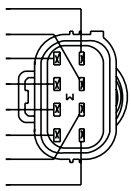
98AG-14A464-EHC

C44-E

TO 14A333

HARNESS 15A417

GD476H BK-WH 2TAD 2.5 8
7
CAT07D GY-OG 2TAD 1.5 4
CAT09D GN 2TAD 1.5 3
CAT10F RD 2TAD 1.5 2
CAT11F BN 2TAD 1.5 1
CAT03D GY-BN 2TAD 1.5 6
CAT06D YE 2TAD 1.5 5



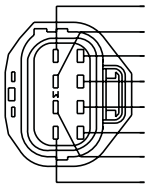
98AG-14A624-EHB

C44-E

TO 15A417

HARNESS 14A333

In-Line Connector 44—F (G1404950)



8 GD476Y WH 2TAD 2.5
7
4 CAT07F GY 2TAD 1.5
3 CAT09J GN 2TAD 1.5
2 CAT10L RD 2TAD 1.5
1 CAT11K BN 2TAD 1.0
6 CAT03H BK 2TAD 1.0
5 CAT06J YE 2TAD 1.5

98AG-14A464-EHC

C44-F

TO INLINE~15A416~14A333

HARNESS 15A416

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