



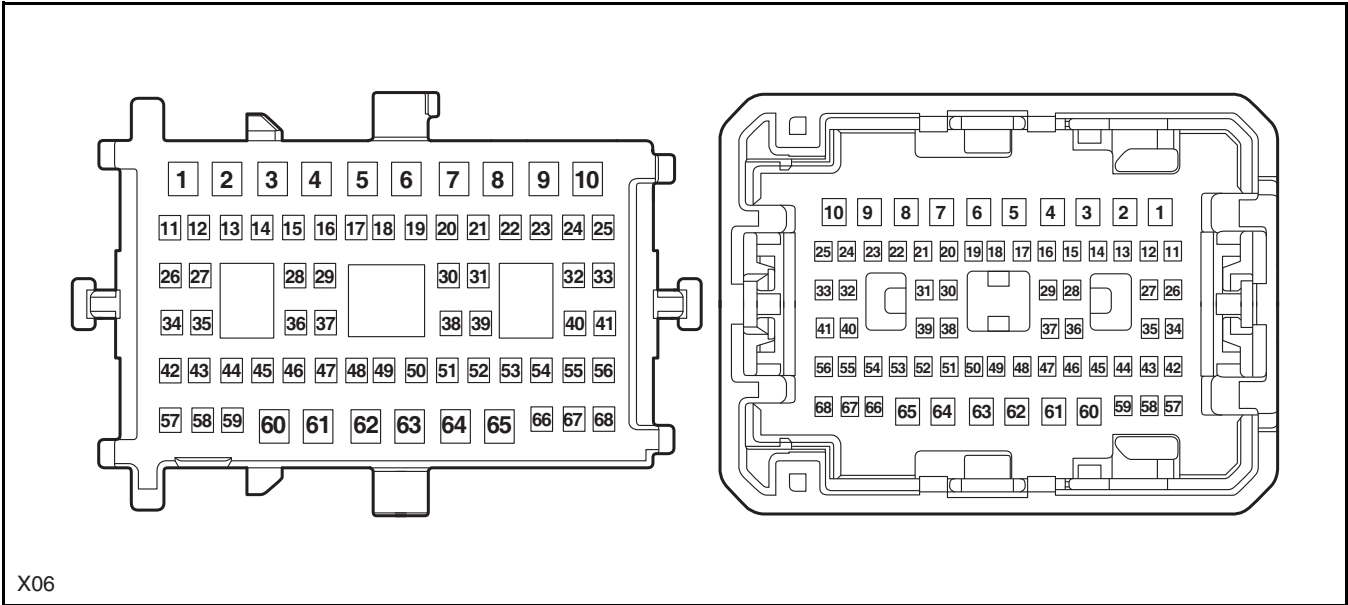
UNI-K

- **WIRING DIAGRAM**
(PART 4)

UNI-KWD2H/4/1

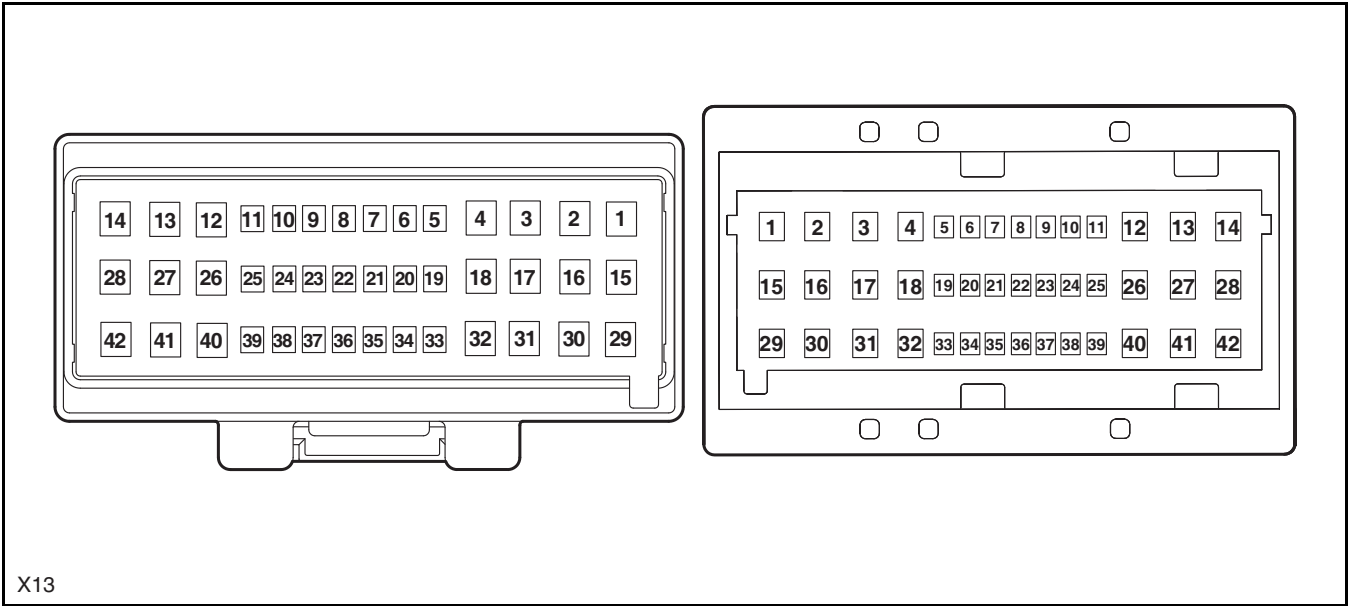
Instrument Panel Wiring Harness to Chassis Wiring
Harness (Left 1)

Chassis Wiring Harness to Instrument Panel Wiring
Harness (Left 1)

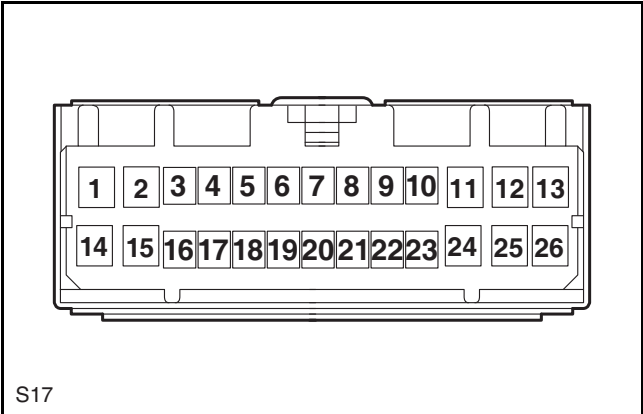


Instrument Panel Wiring Harness to Auxiliary Fascia
Console Wiring Harness Panel

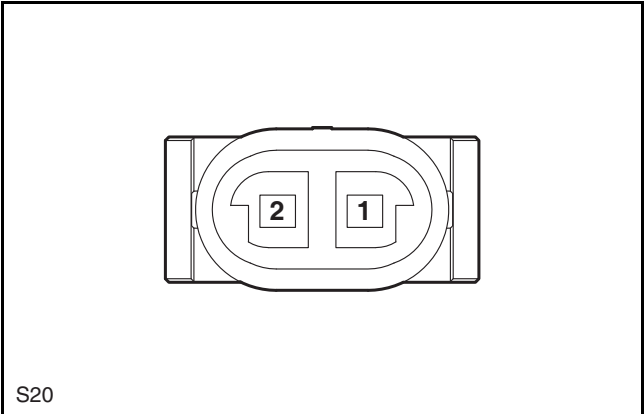
Auxiliary Fascia Console Wiring Harness Panel to
Instrument Panel Wiring Harness



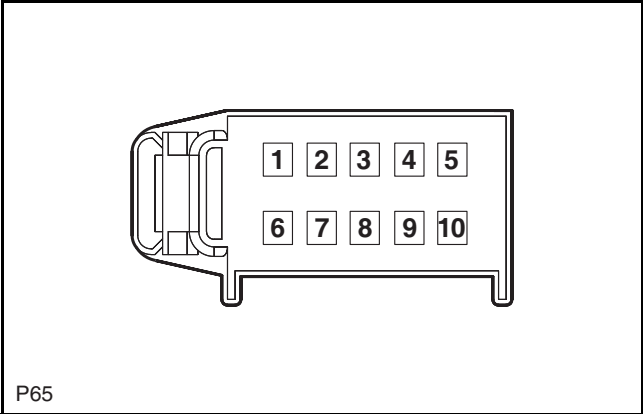
4WD Controller



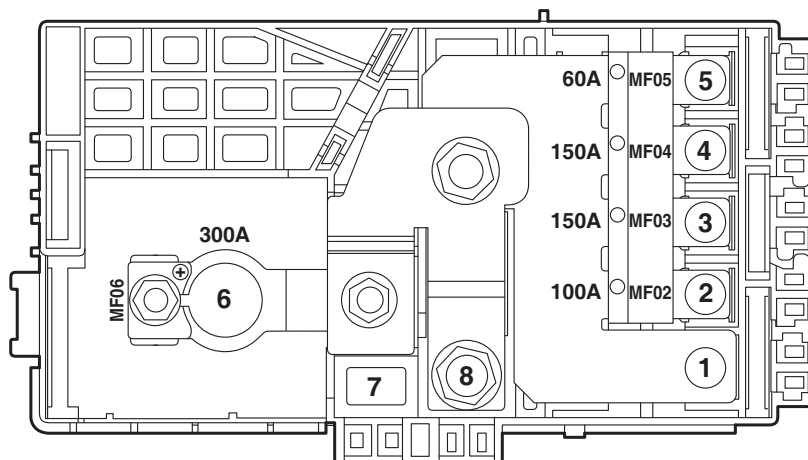
4WD Torque Sensor



Central Box Switch Box b



Fuse and Relay Information



C18

Battery Fuse Box Fuse Definition

Code	Application	Rated Current (A)
MF02	EPS	100A
MF03	-	150
MF04	Engine Compartment Fuse Box	150
MF05	Cooling Fan	60
MF06	-	300
MF07	Engine/Starting Motor	300

Engine Compartment Fuse Box Relay Definition

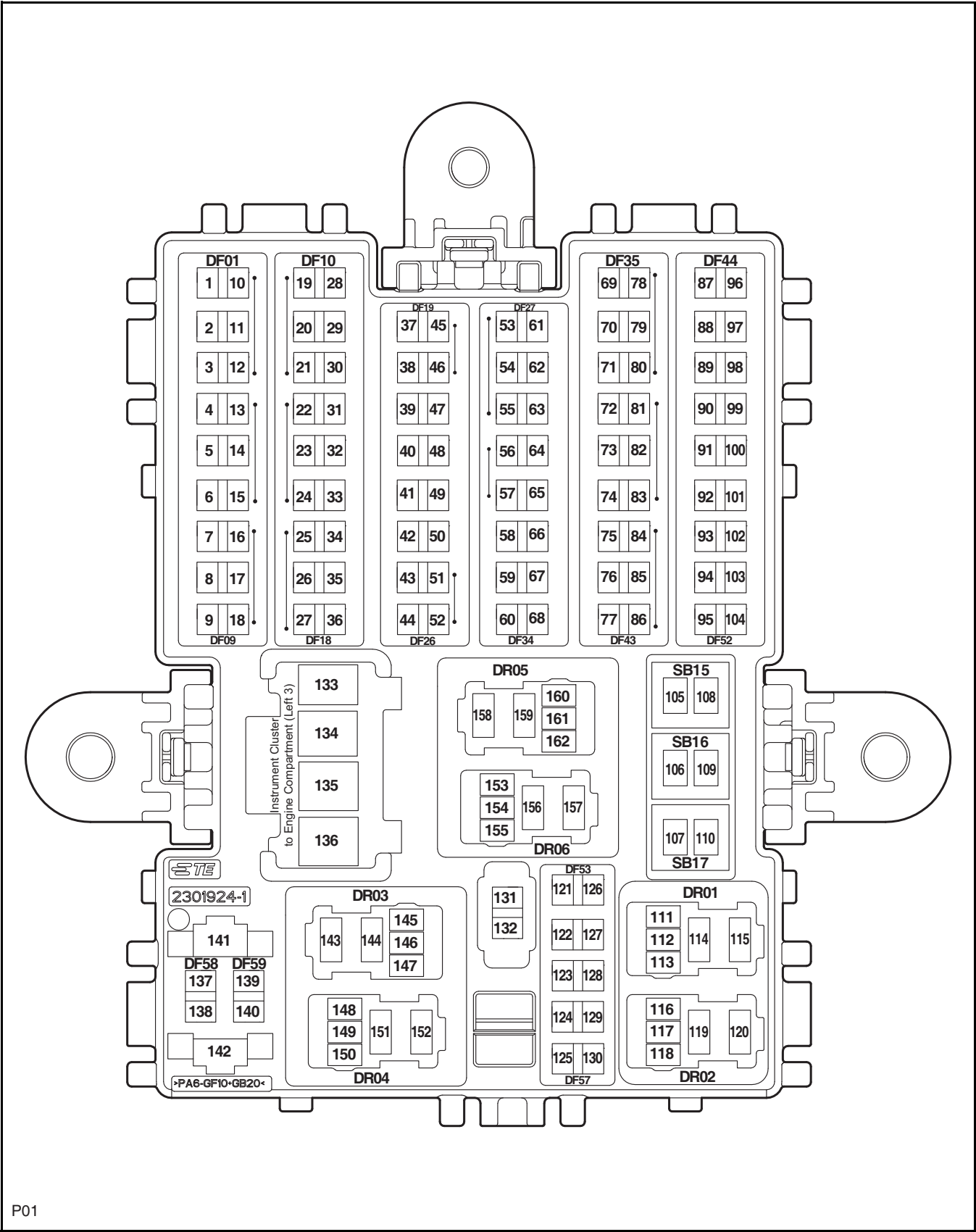
Code	Application	Description
ER01	IG1 Relay	-
ER02	Main Relay	-
ER03	Front Blower	-
ER04	Compressor	-
ER05	Low Beam Lamp Relay	-
ER06	Rear Defroster Relay	-
ER07	Starting Motor Relay 1	-
ER08	ACC Relay	-
ER09	-	-
ER10	Radiator Fan Relay (Medium Speed)	-
ER11	Radiator Fan Relay (Low Speed)	-
ER12	Radiator Fan Relay (High Speed)	-
ER13	Rear Wiper	-
ER14	Start Relay 2	-
ER15	Horn	-
ER16	Front Wiper Low Speed	-
ER17	Front Wiper High Speed	-
ER18	Oil Pump	-
ER19	-	-

Engine Compartment Fuse Box Fuse Definition

Code	Application	Rated Current (A)	Description
EF01	Low Beam Lamp	20A	-
EF02	Front Wiper Motor	25A	-
EF03	-	-	-
EF04	TCU Constant Power Supply	15A	-
EF05	-	-	-
EF06	Main Relay	30A	-
EF07	Oil Pump Relay	20A	-
EF08	Horn Relay	20A	-
EF09	Compressor	10A	-
EF10	Rear Wiper Motor	20A	-
EF11	-	-	-
EF12	ECU	10A	-
EF13	Battery Sensor	5A	-
EF14	Brake Switch	10A	-
EF15	Shift Controller	25A	-
EF16	-	-	-
EF17	-	-	-
EF18	-	-	-
EF19	-	-	-
EF20	-	-	-
EF21	Rearview Mirror Heater	10A	-
EF22	-	-	-
EF23	-	-	-
EF24	-	-	-
EF25	-	-	-
EF26	Brake Switch	10A	-
EF27	ECU	20A	-
EF28	Ignition Coil	15A	-
EF29	Oxygen Sensor and Carbon Canister	15A	-
EF30	Relay Control Power Supply	10A	-
EF31	-	-	-
EF32	Seat Heater	10A	-
EF33	-	-	-
EF34	Electric Parking	5A	-
EF35	ECU	10A	-
EF36	Automatic Transmission	10A	-

Code	Application	Rated Current (A)	Description
SB01	Electric Parking EPBI	40A	-
SB02	IGN2, Start	30A	-
SB03	Middle Speed Fan	50A	-
SB04	Blower Relay	40A	-
SB05	IGN1, ACC	30A	-
SB06	Instrument Cluster Constant Power Supply 1 IPB1	60A	-
SB07	Power Back Door	30A	-
SB08	Electric Parking EPBI	60A	-
SB09	-	-	-
SB10	Low Speed Fan	40A	-
SB11	Window Motor (Right)	30A	-
SB12	Window Motor (Left)	30A	-
SB13	Instrument Cluster Constant Power Supply 2 IPB1	60A	-
SB14	Rear Defroster Relay	30A	

Instrument Panel Fuse Box



P01

Instrument Panel Fuse Box Relay Definition

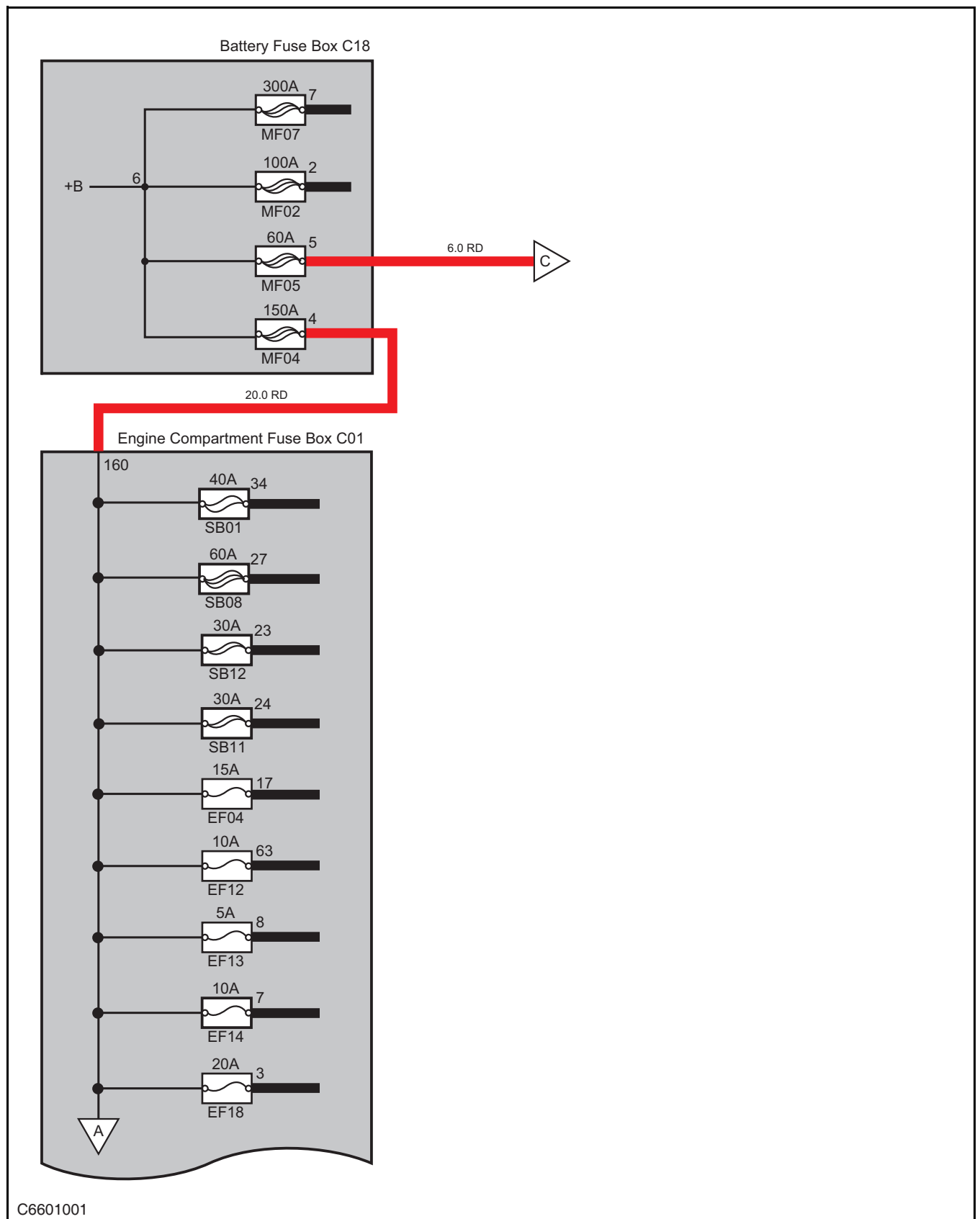
Code	Application	Description
DR01	Front Windshield Heater (Left)	-
DR02	Front Windshield Heater (Right)	-
DR03	Other Three Door Handles Extending	-
DR04	Other Three Door Handles Retracting	-
DR05	Left Front Door Handle Retracting	-
DR06	Left Front Door Handle Extending	-

Instrument Panel Fuse Box Fuse Definition

Code	Application	Rated Current (A)	Description
DF01	RKE, Kick Sensor, Gateway	10A	-
DF02	Data Link Connector	10A	-
DF03	BCM	20A	-
DF04	BCM	15A	-
DF05	BCM	15A	-
DF06	BCM	15A	-
DF07	BCM	15A	-
DF08	BCM	15A	-
DF09	BCM	15A	-
DF10	Sunroof Controller	20A	-
DF11	Window Delay Relay, Memory Switch	10A	-
DF12	A/C Controller, Instrument Panel Switch Box, Atmosphere Lamp, Front Display	10A	-
DF13	EPB Switch, Electronic Shift	10A	-
DF14	THU	20A	-
DF15	Rain Sensor, Steering Wheel, IP	10A	-
DF16	Power Back Door Controller	10A	-
DF17	Driver/Front Passenger Seat Heater	25A	-
DF18	Rear Blind Spot Monitoring	10A	-
DF19	TBOX	10A	-
DF20	Rear Seat Heater	20A	-
DF21	-	-	-
DF22	-	-	-
DF23	-	-	-
DF24	4WD Controller	15A	-
DF25	Left Front Door Concealed Handle	10A	-
DF26	Other Three Door Concealed Handles	15A	-
DF27	Front USB, Wireless Charging	10A	-
DF28	Front Power Outlet	15A	-
DF29	Second-row USB	10A	-
DF30	TBOX	10A	-

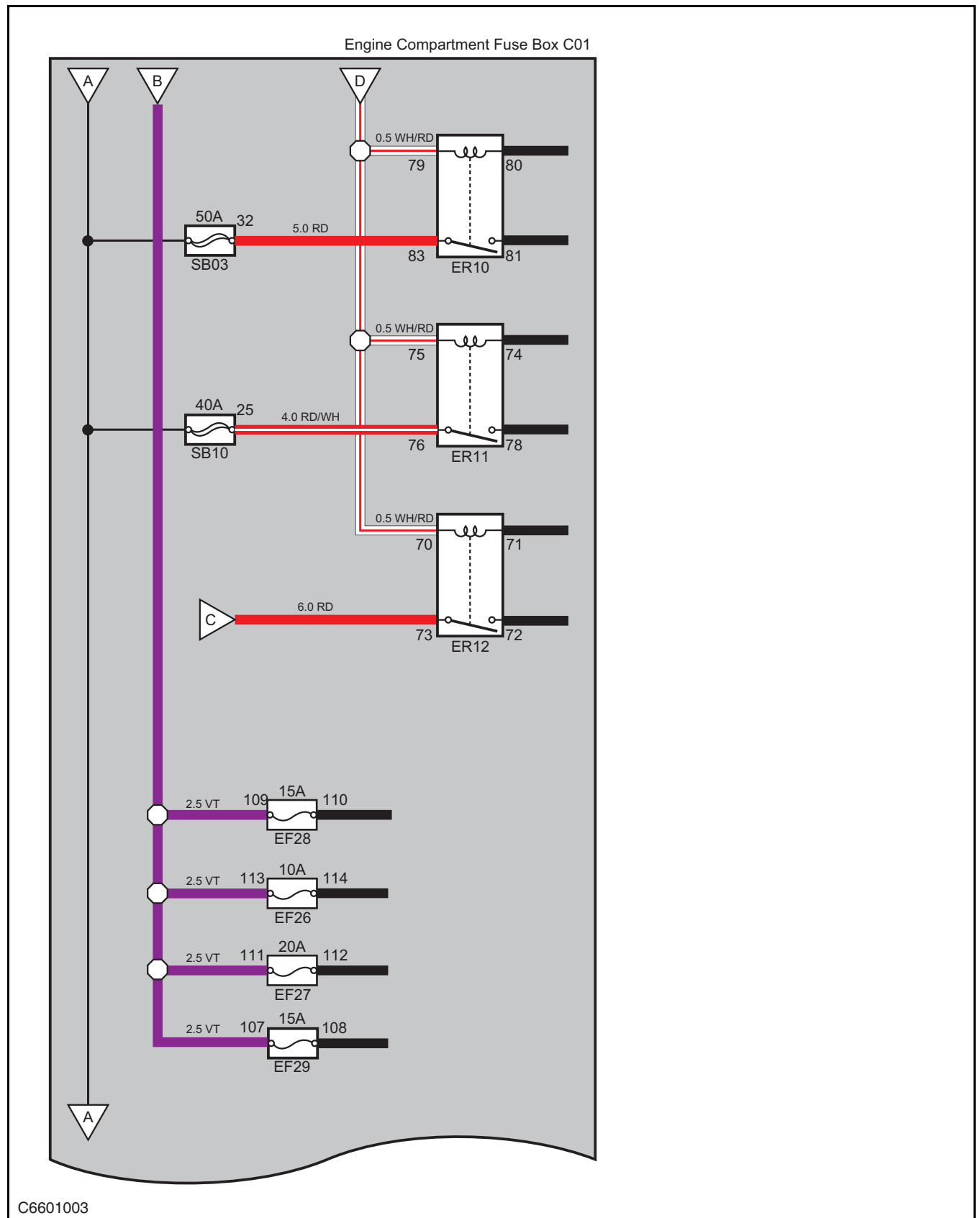
Code	Application	Rated Current (A)	Description
DF31	THU, Rearview Mirror Anti-glare	10A	-
DF32	-	-	-
DF33	-	-	-
DF34	-	-	-
DF35	GW, Rotation Angle Sensor	10A	-
DF36	Front Wiper Switch, Motor	15A	-
DF37	Airbag Control Unit	7.5A	-
DF38	Panoramic/APA, Power Amplifier	10A	-
DF39	Instrument Cluster, Ion Generator, A/C, Front Display	10A	-
DF40	LDW, Roof Dome Lamp	10A	-
DF41	Shift Control Mechanism, Central Box Switch, 4WD Switch	10A	-
DF42	LCDAL/LCDAR	10A	-
DF43	-	-	-
DF44	-	-	-
DF45	4WD Controller	5A	-
DF46	-	-	-
DF47	-	-	-
DF48	-	-	-
DF49	-	-	-
DF50	-	-	-
DF51	Front Windshield Heater (Left)	30A	-
DF52	Front Windshield Heater (Right)	30A	-
SB15	Power Seat Adjustment (Driver)	30A	
SB16	Seat Memory	30A	
SB17	Power Seat Adjustment (Front Passenger)	30A	

Power Supply Distribution - 1

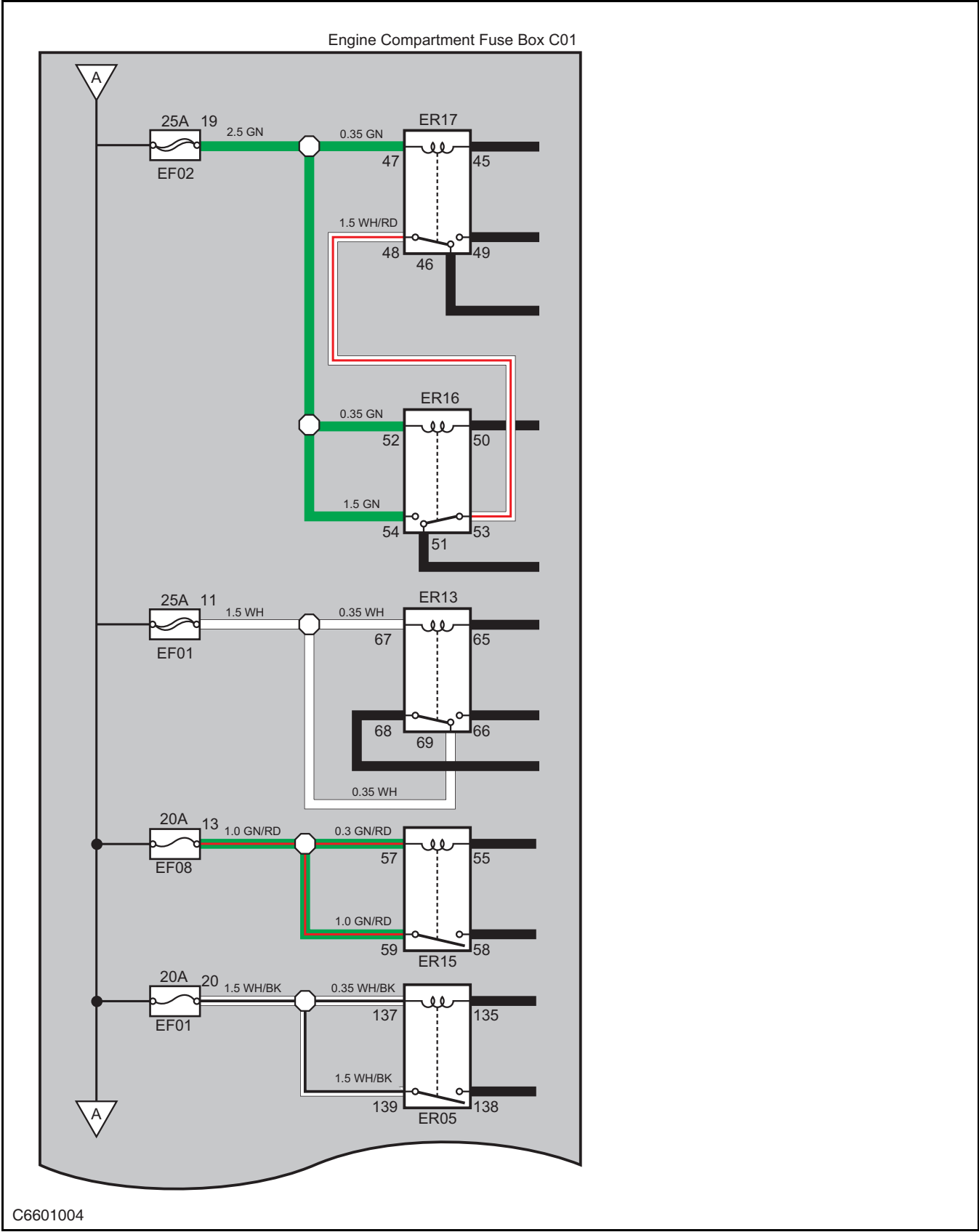


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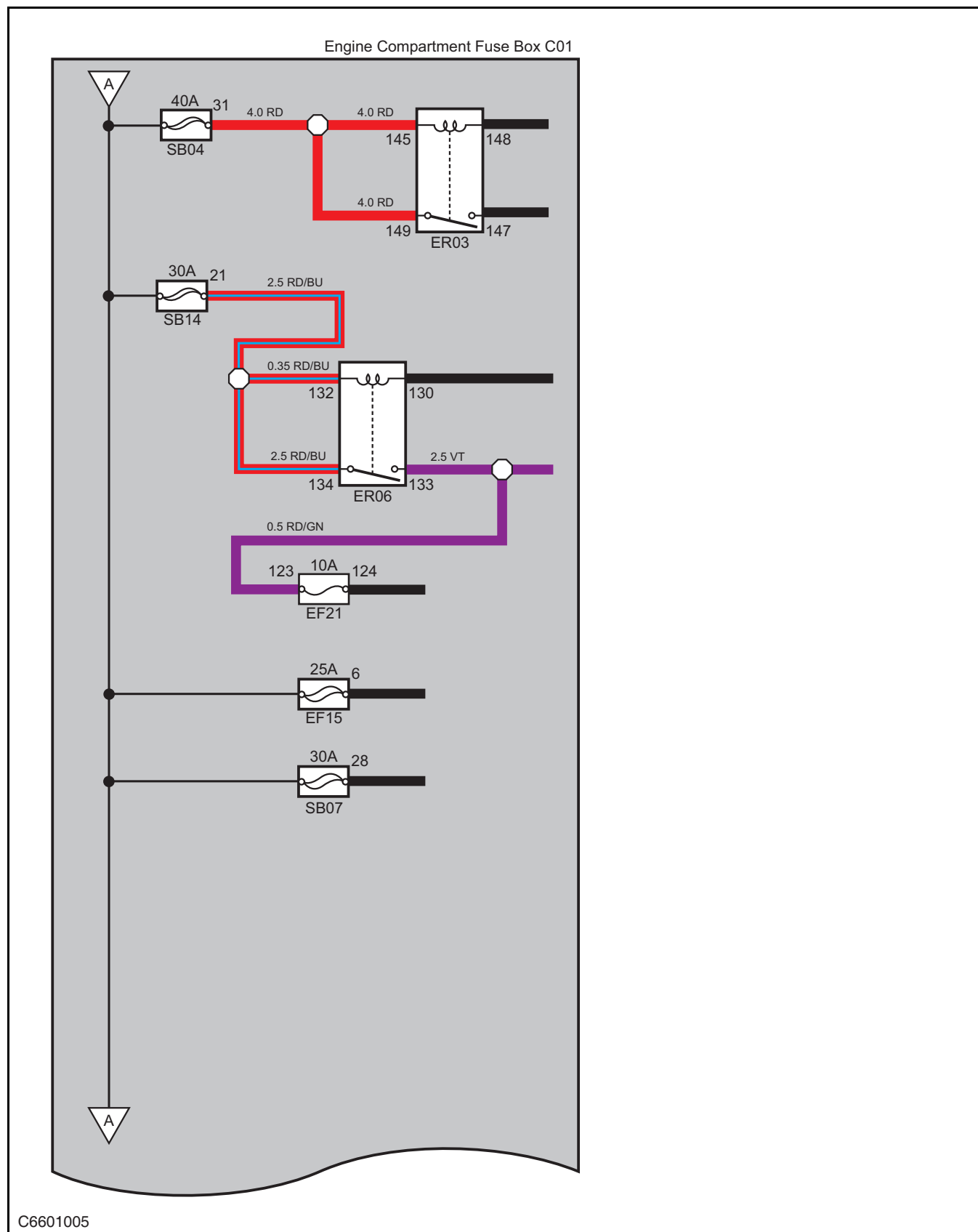
Power Supply Distribution - 3



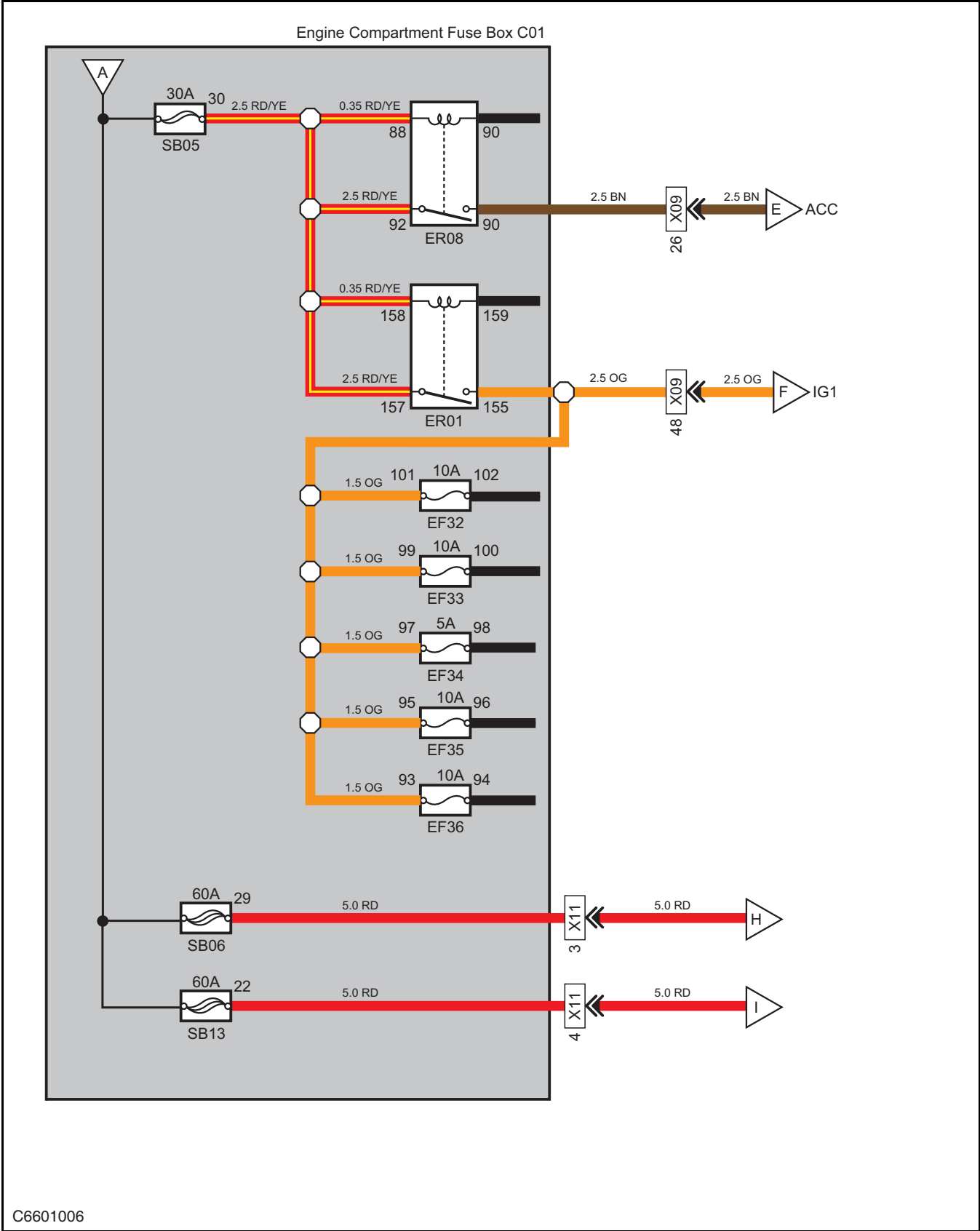
Power Supply Distribution - 4



Power Supply Distribution - 5



Power Supply Distribution - 6



C6601006

Instrument Panel Fuse Box P01

5.0 RD

1.5 RD

10 10A 1

DF01

1.5 RD

11 10A 2

DF02

1.5 RD

12 20A 3

DF03

2.5 RD

13 15A 4

DF04

2.5 RD

15 15A 6

DF06

2.5 RD

17 15A 8

DF08

2.5 RD

18 15A 9

DF09

2.5 RD

14 15A 5

DF05

2.5 RD

16 15A 7

DF07

2.5 RD

109 30A 106

SB16

2.5 RD

110 30A 107

SB17

2.5 RD

94 30A 103

DF51

2.5 RD/YE

0.35 RD/YE

111

113

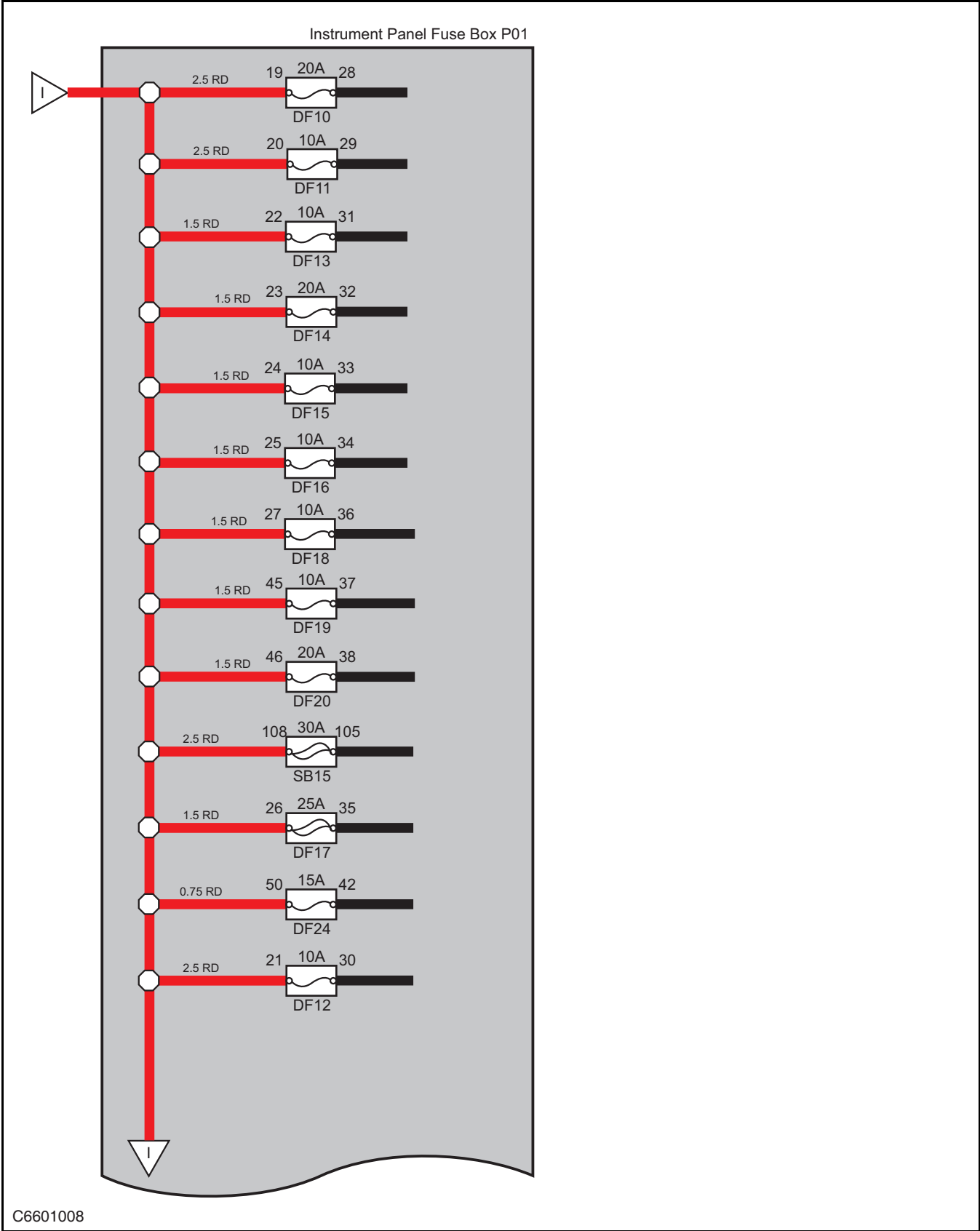
2.5 RD/YE

114

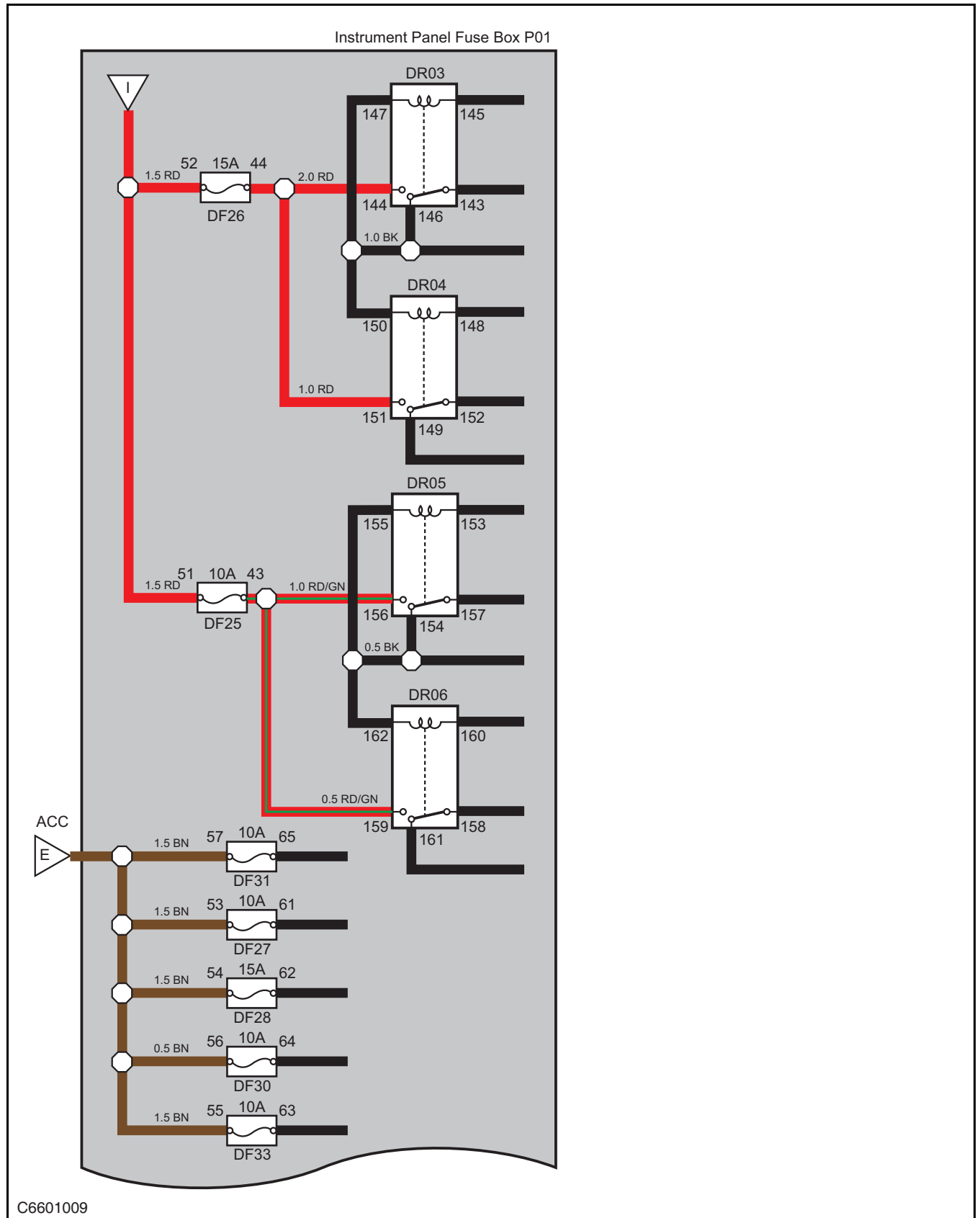
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DR01

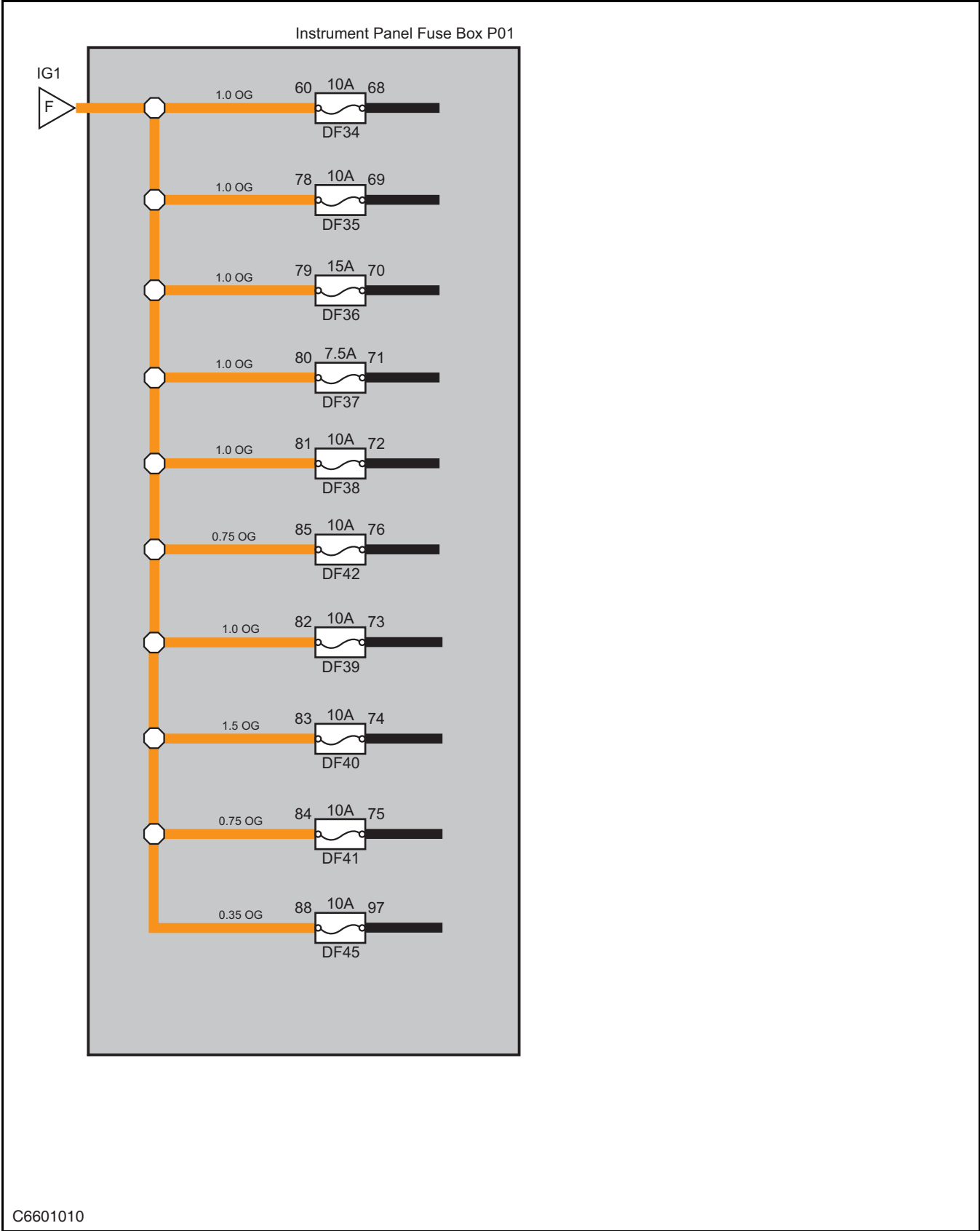
Power Supply Distribution - 8



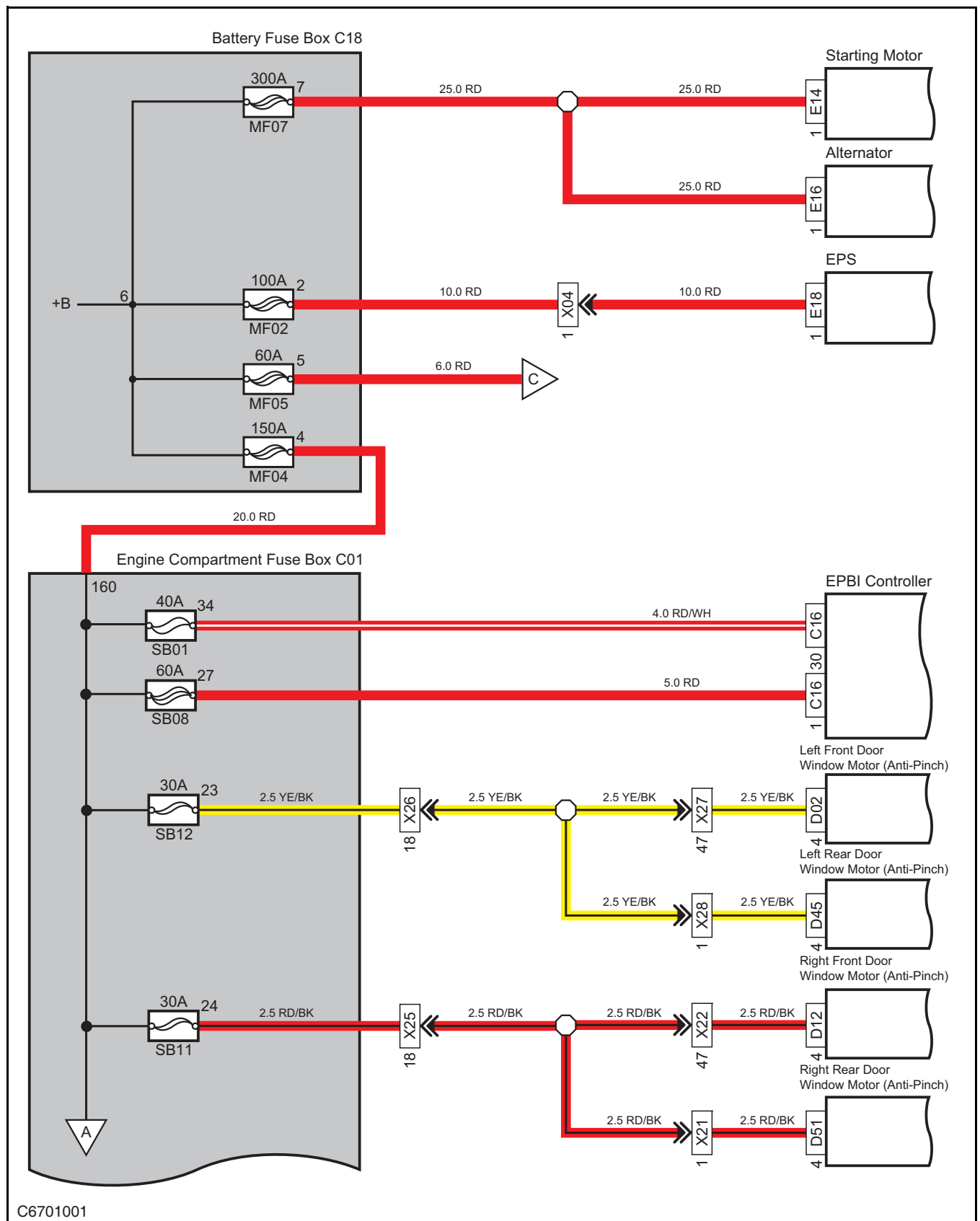
Power Supply Distribution - 9



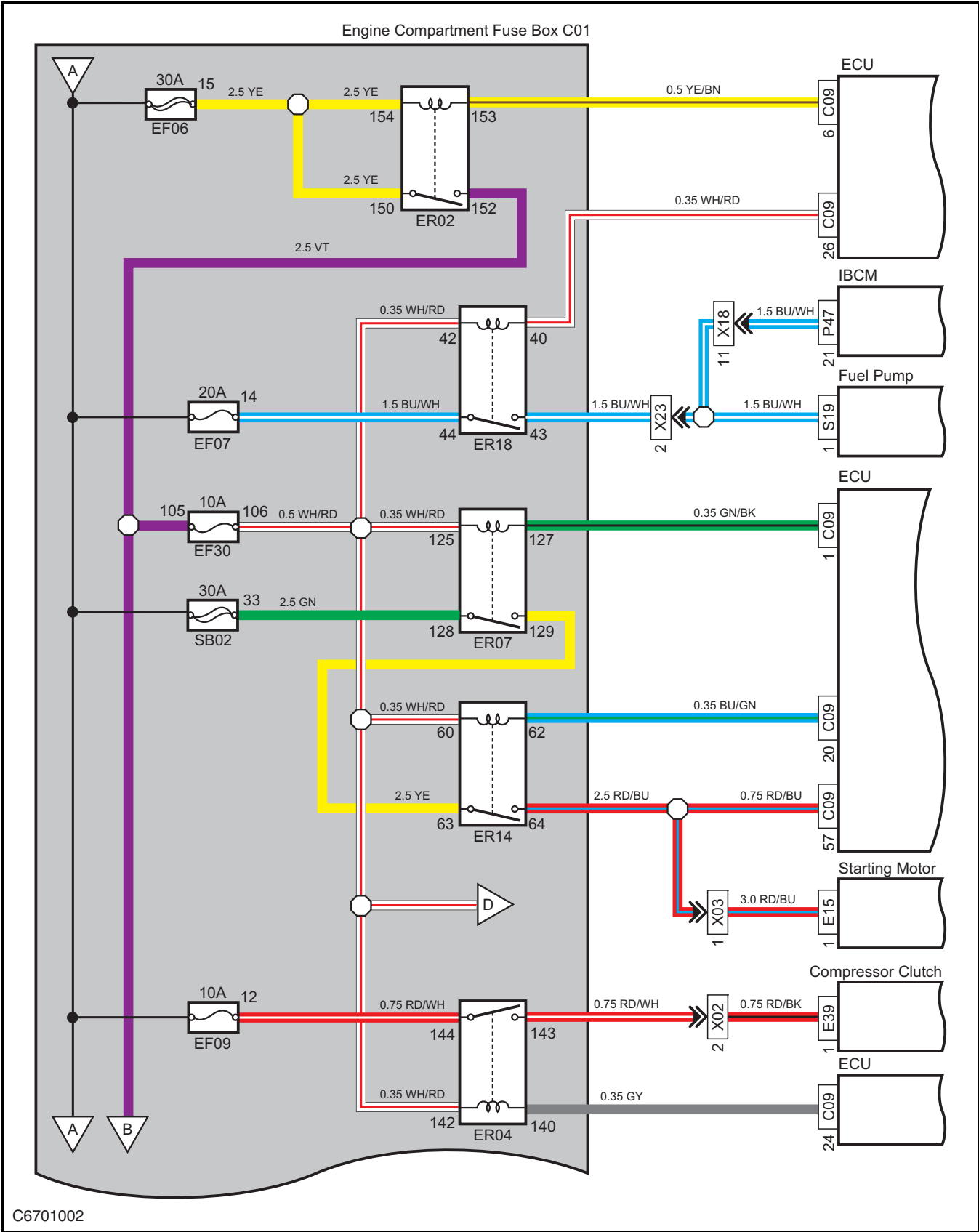
Power Supply Distribution - 10



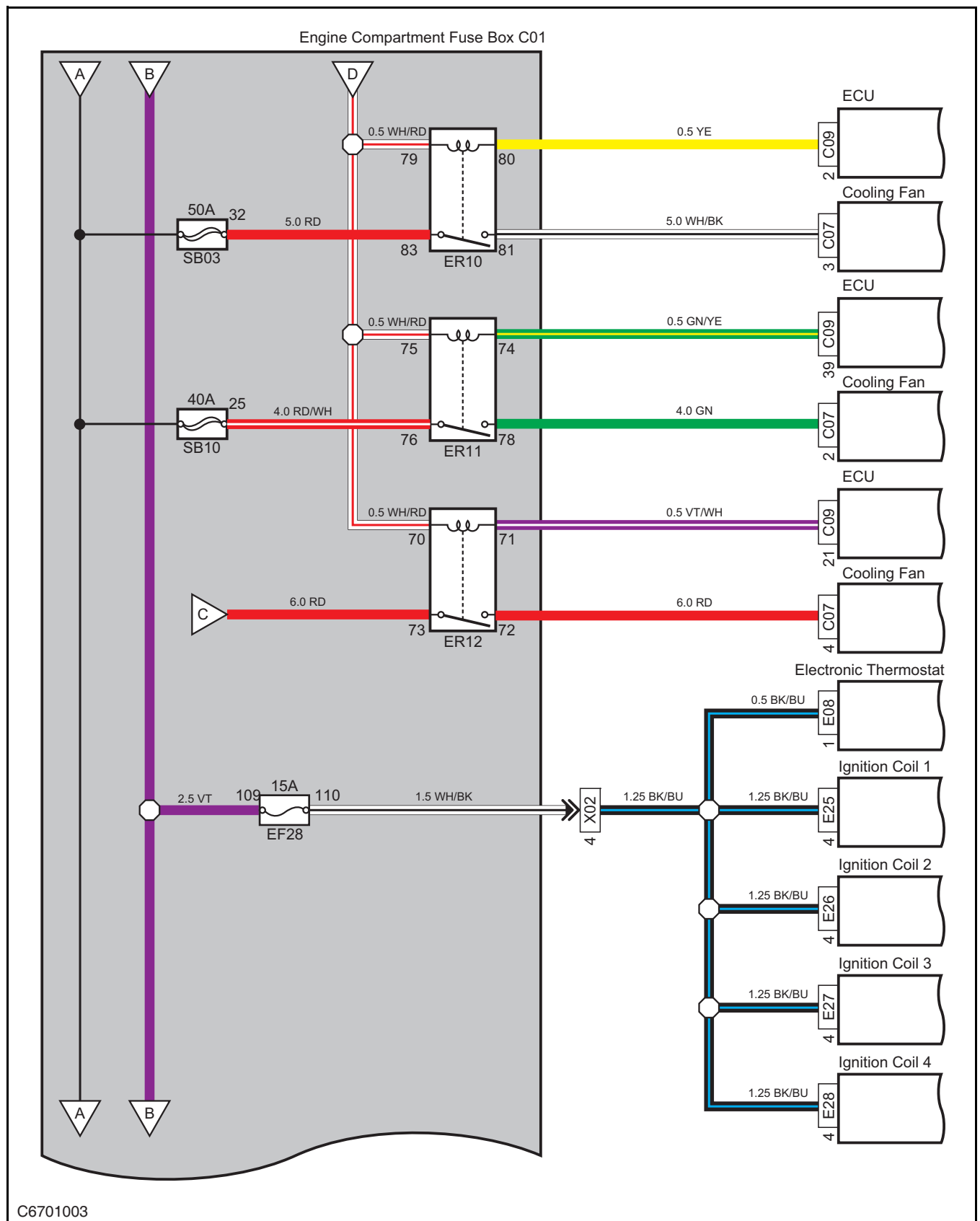
MF02 MF04 MF05 MF07 SB01 SB08 SB11 SB12



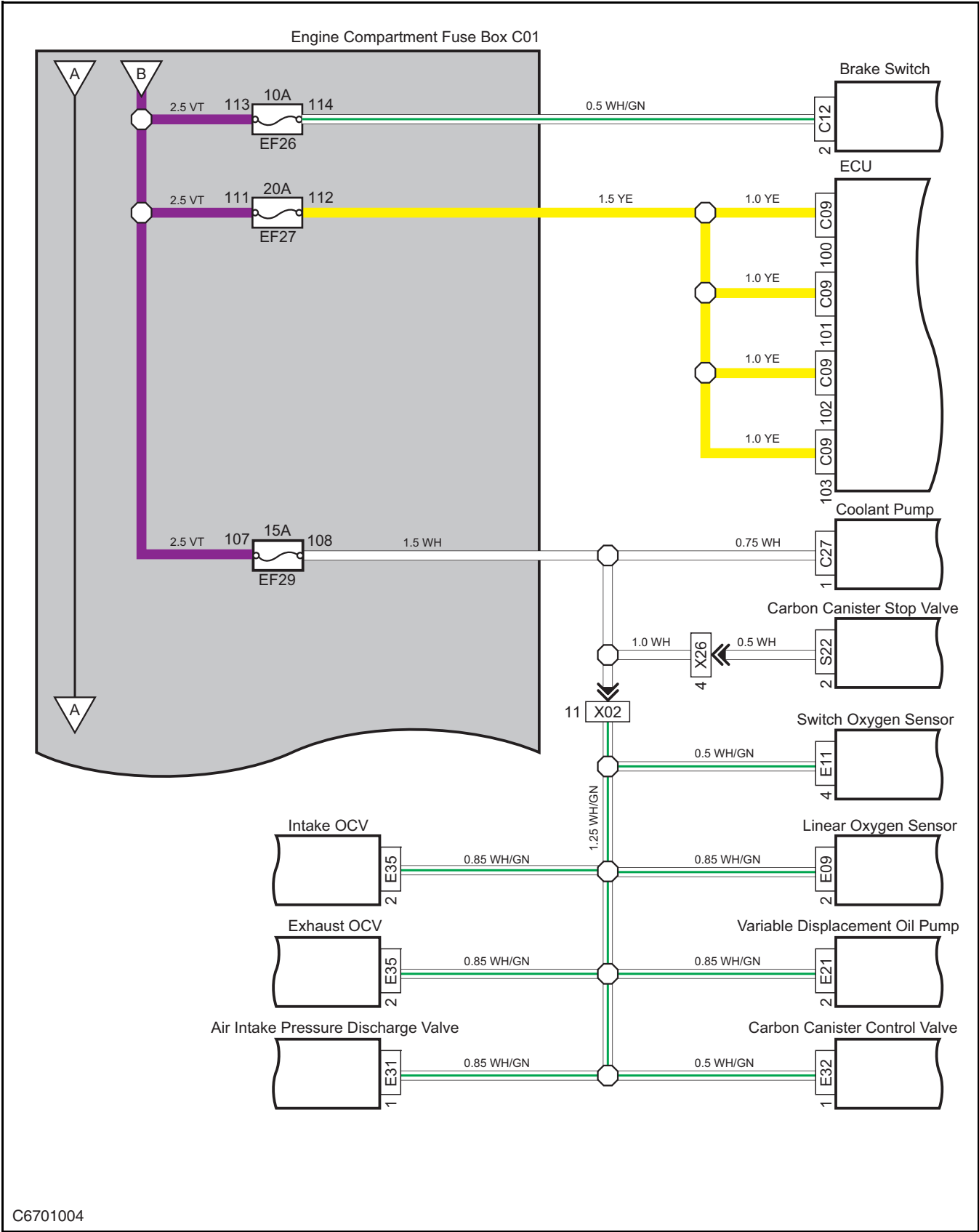
SB02 EF06 EF07 EF09 EF30 ER02 ER04 ER07 ER14 ER18



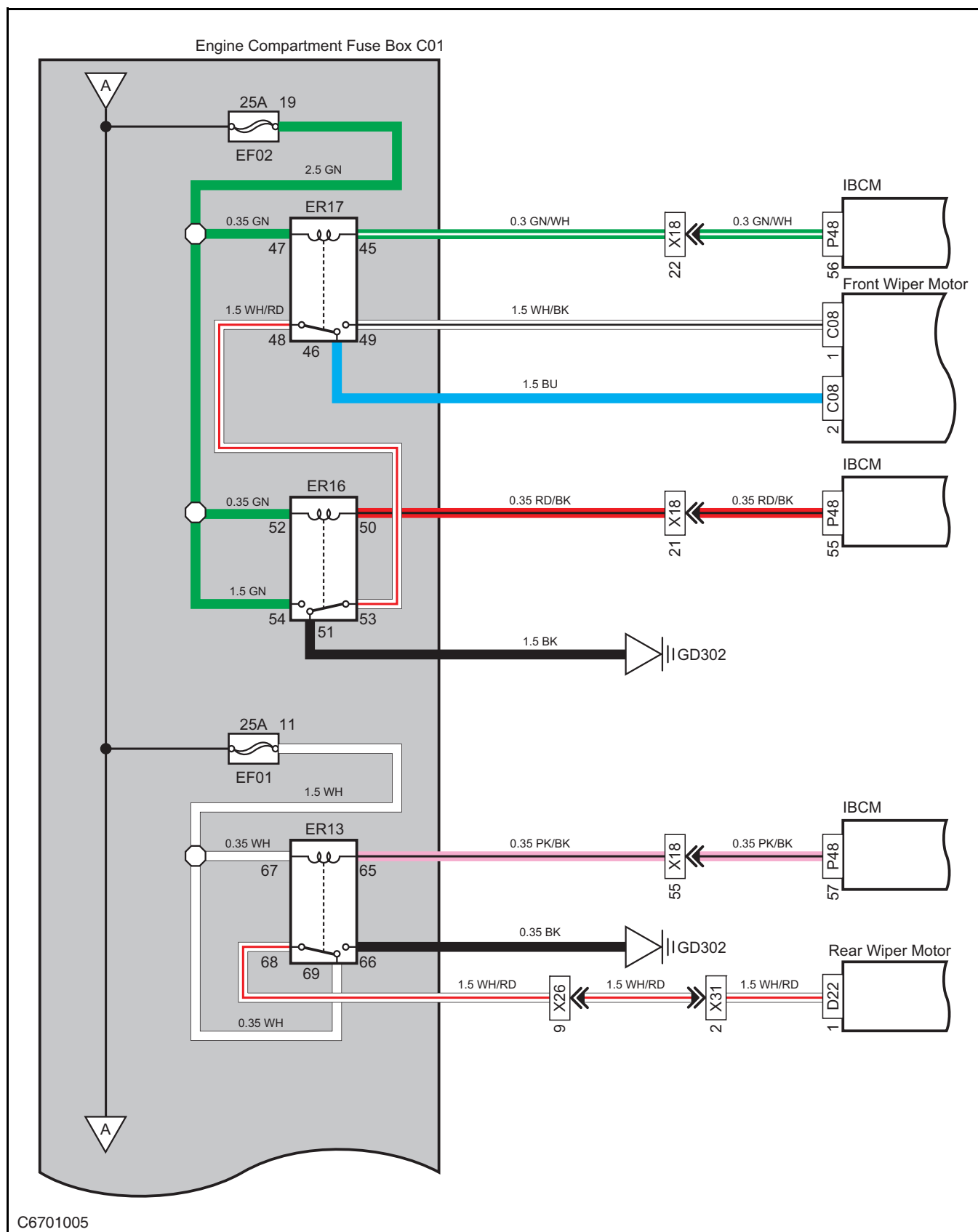
SB03 SB10 EF28 ER10 ER11 ER12



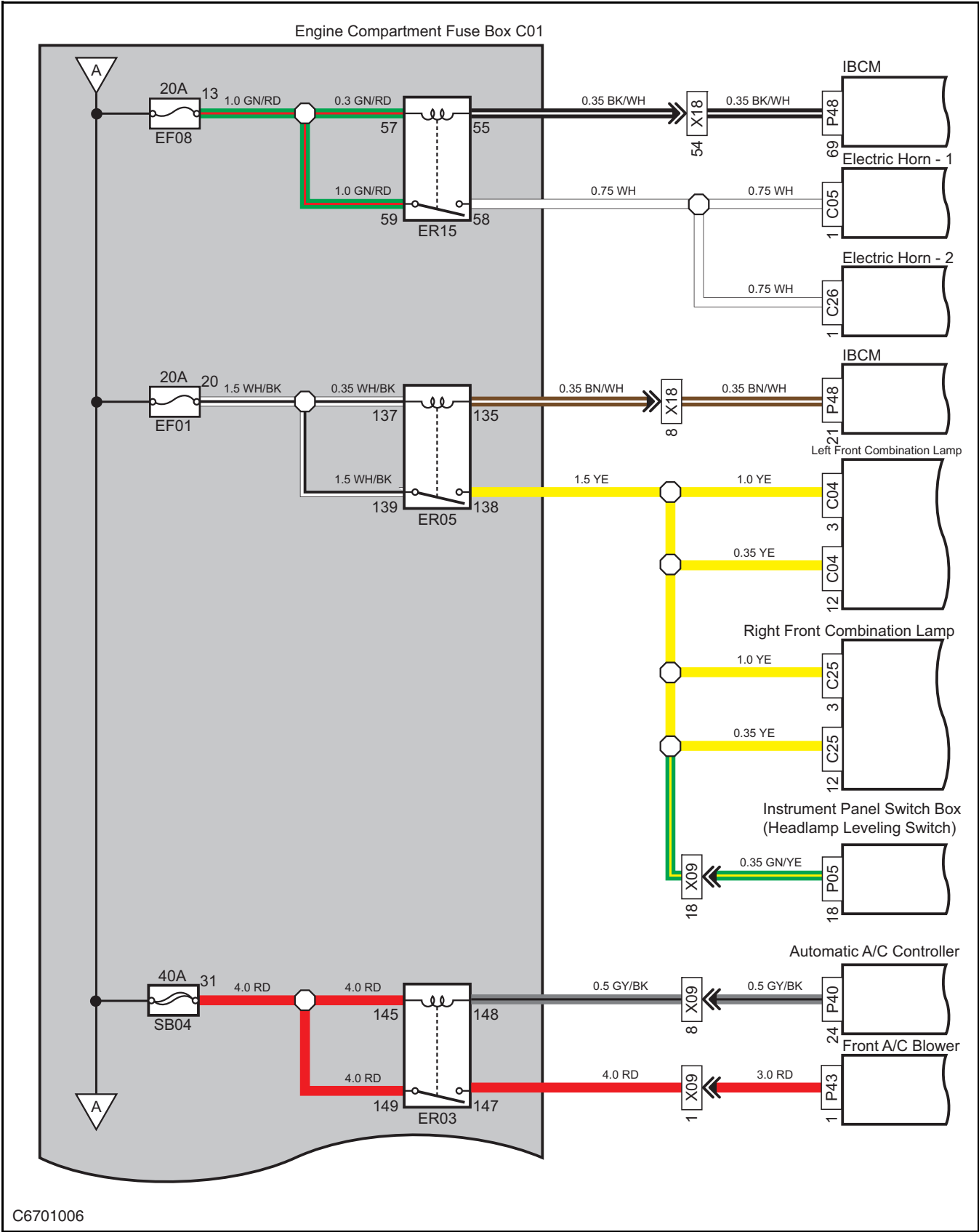
EF26 EF27 EF29



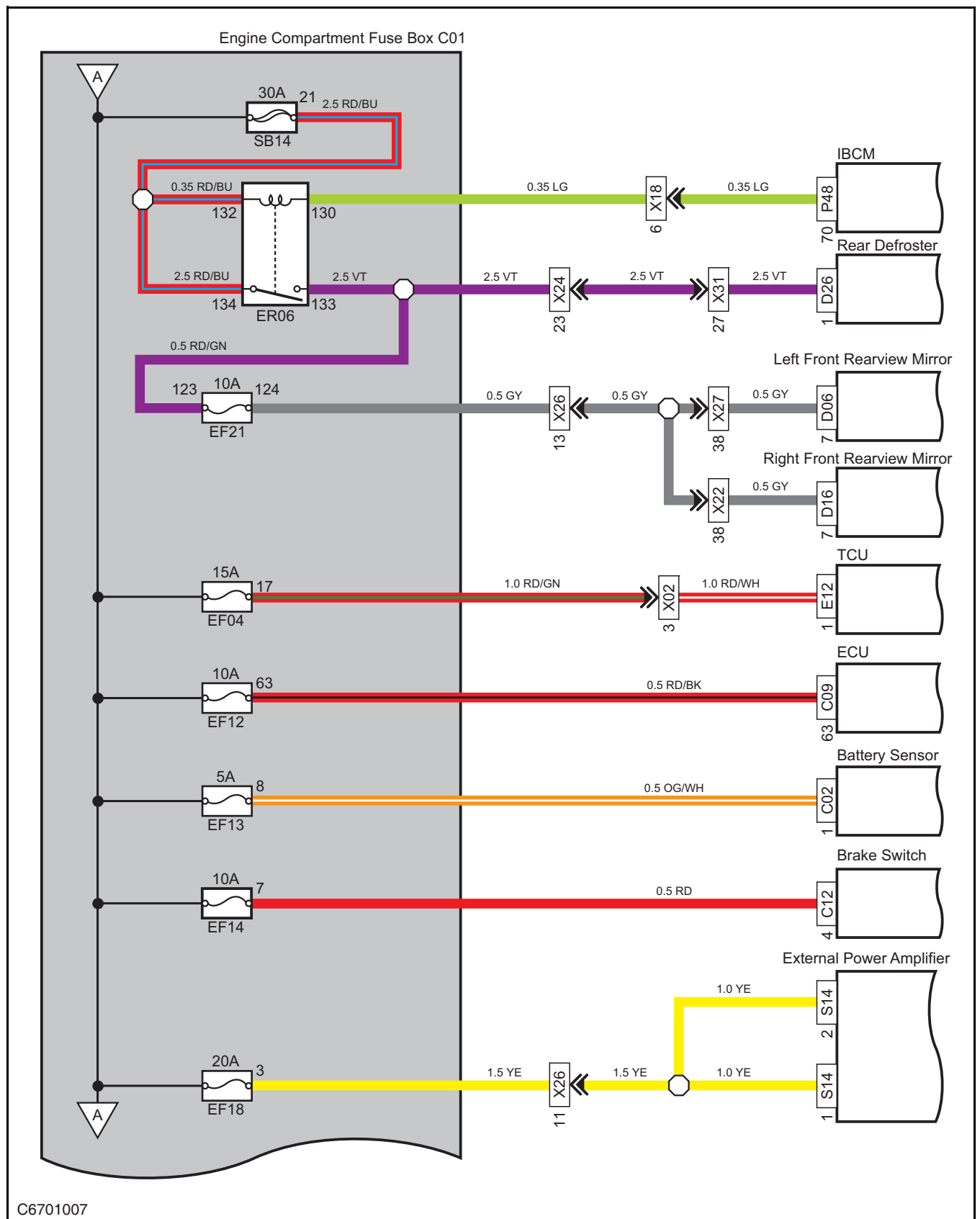
EF01 EF02 ER13 ER16 ER17



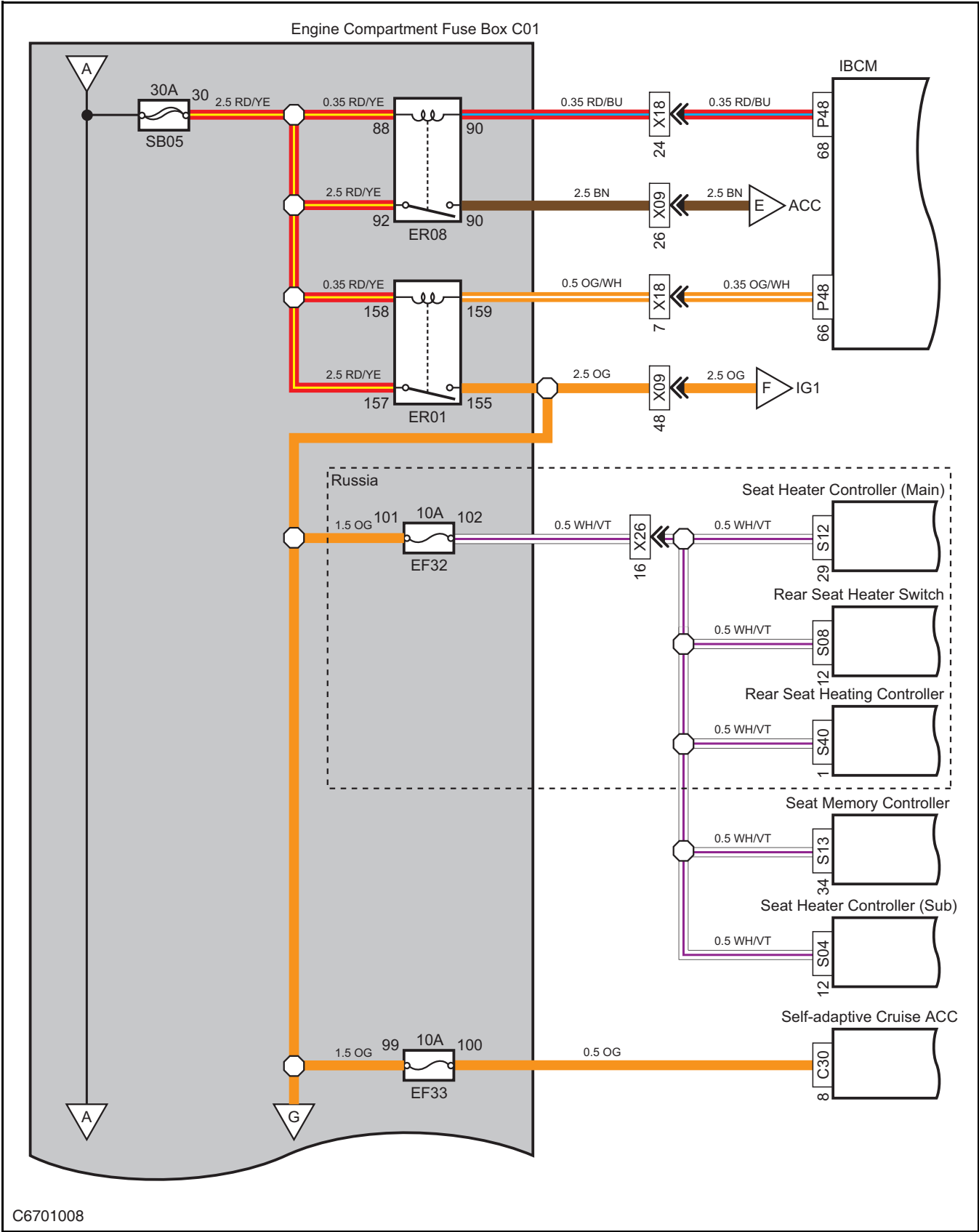
SB04 EF01 EF08 ER03 ER05 ER15



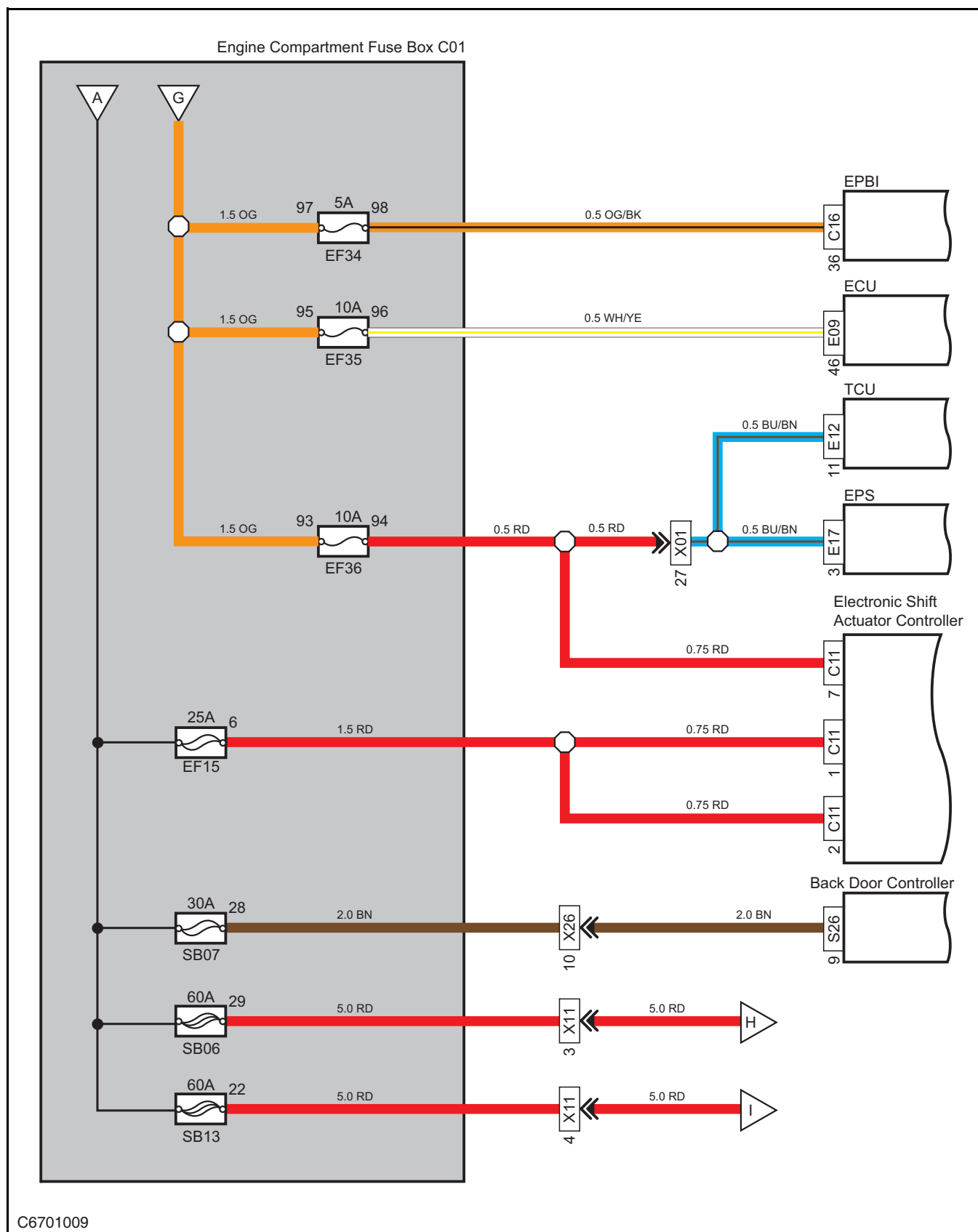
SB14 EF04 EF12 EF13 EF14 EF18 ER06



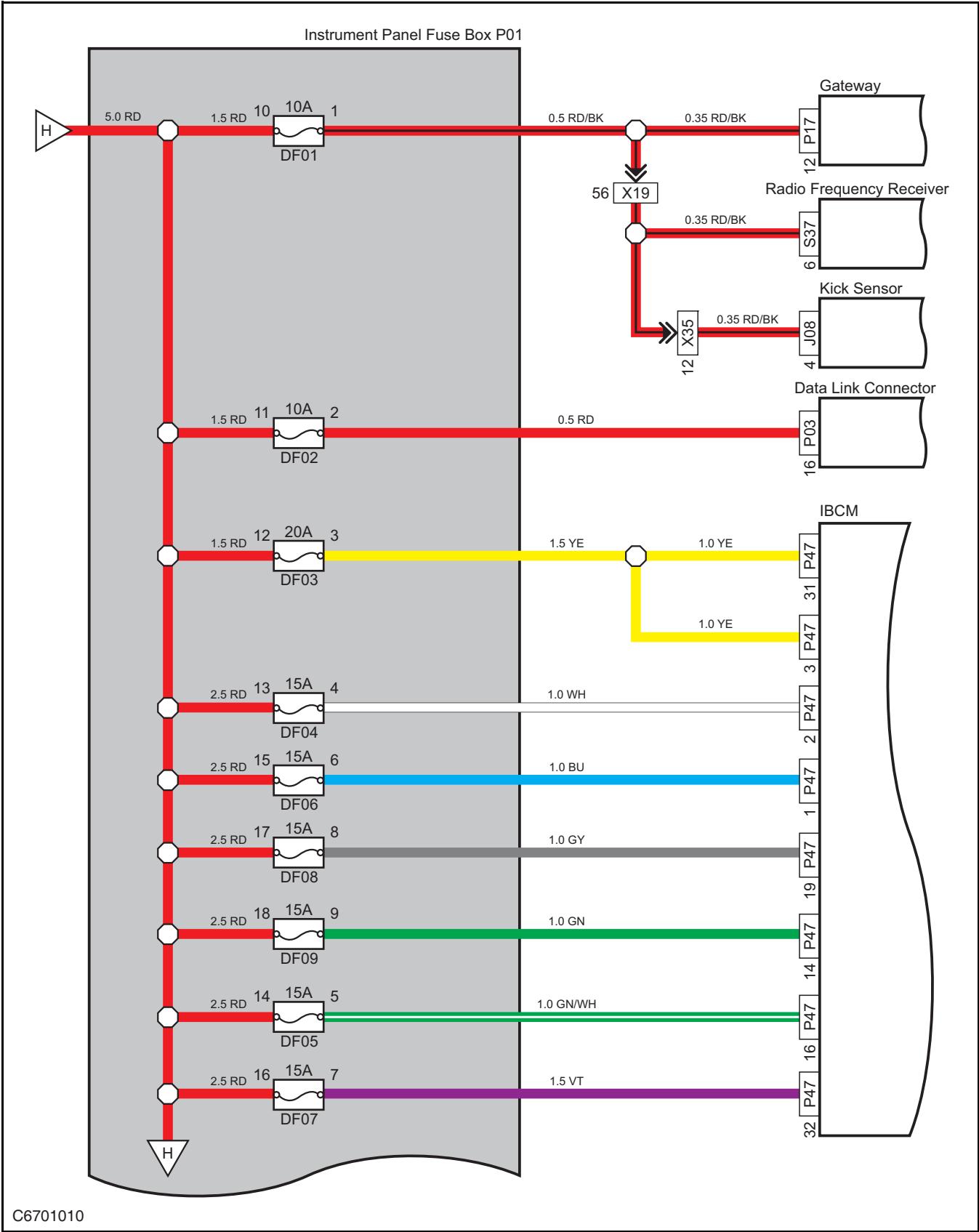
SB05 EF32 EF33 ER01 ER08



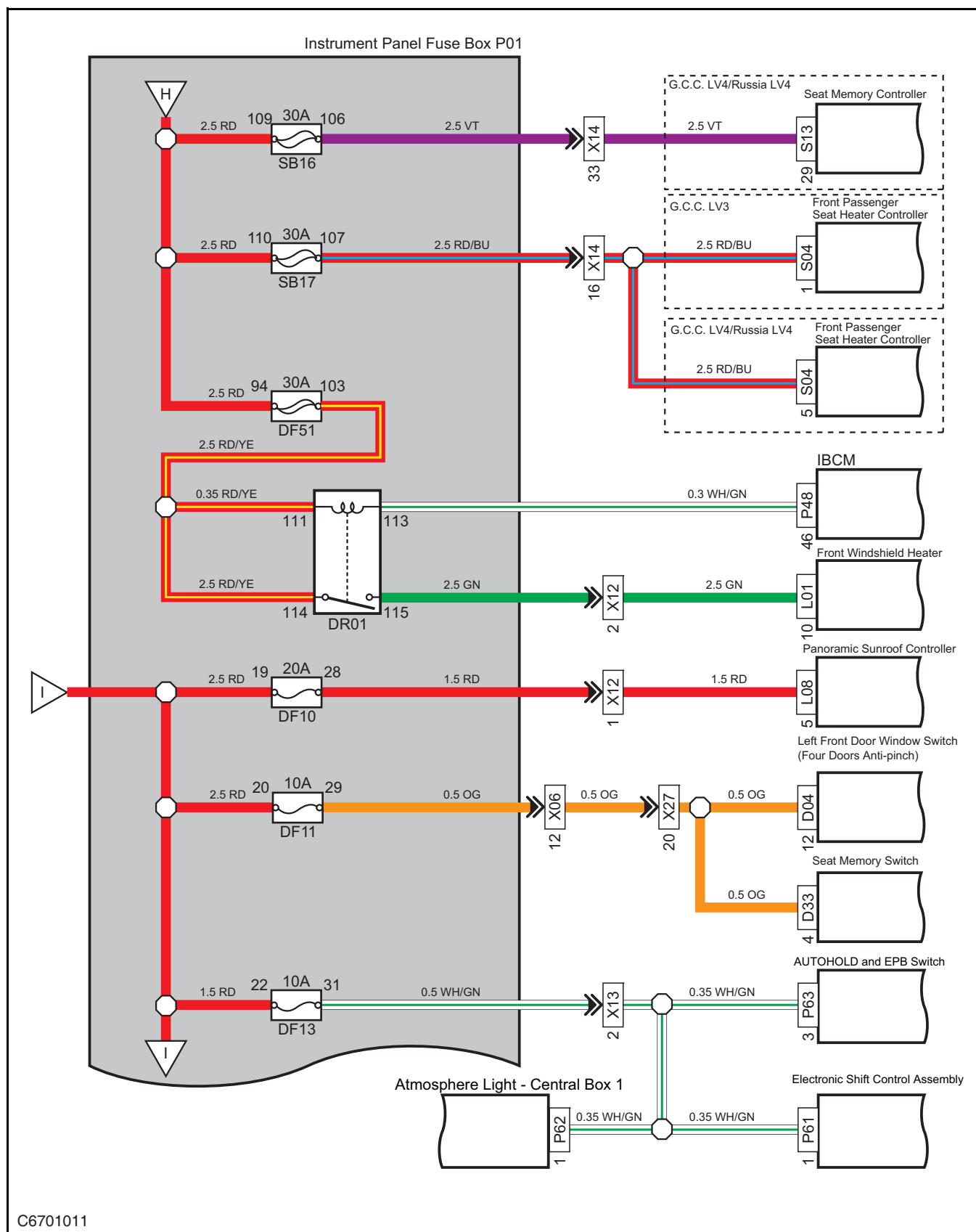
SB06 SB07 SB13 EF15 EF34 EF35 EF36



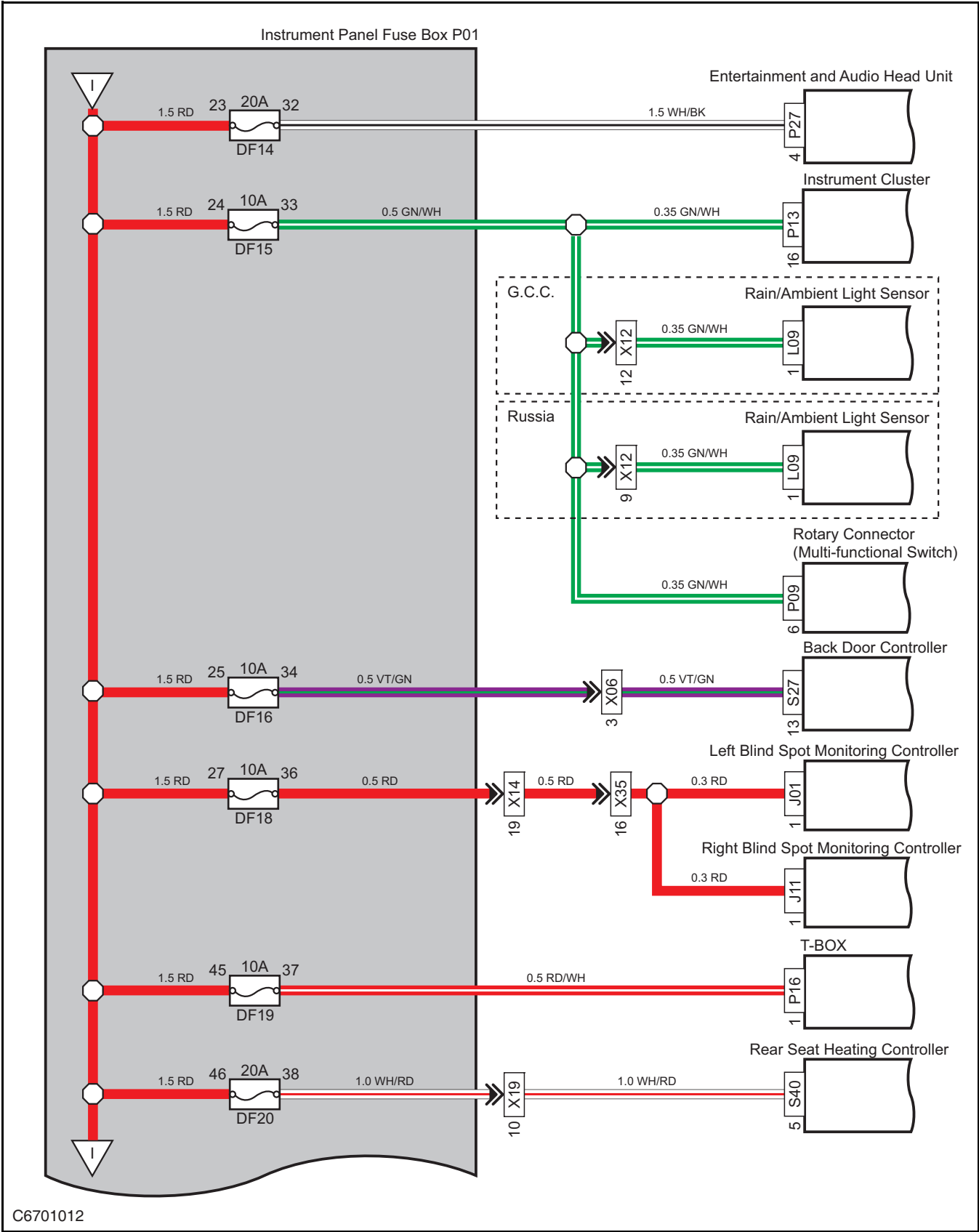
DF01 DF02 DF03 DF04 DF05 DF06 DF07 DF08 DF09



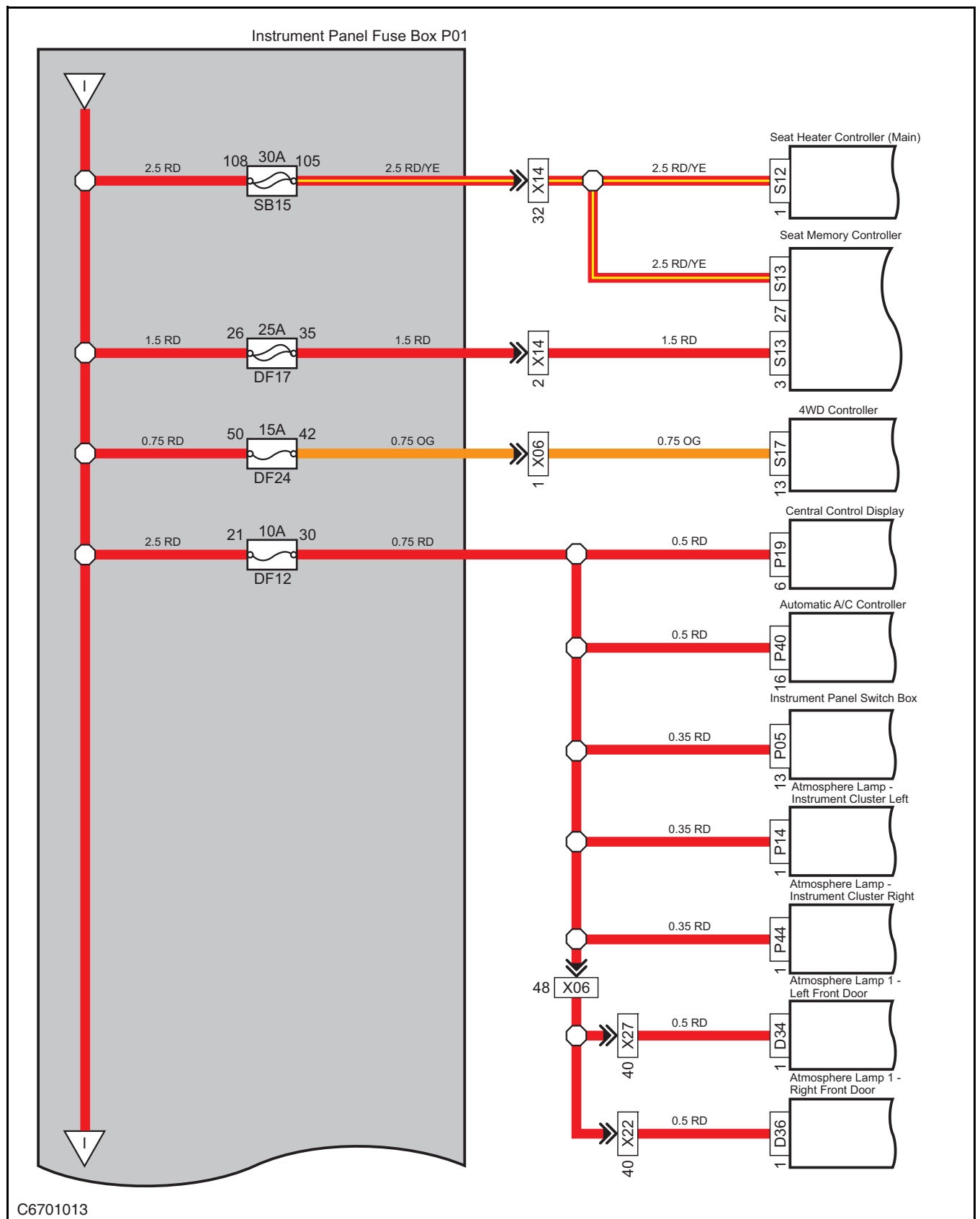
SB16 SB17 DF10 DF11 DF13 DF51 DR01



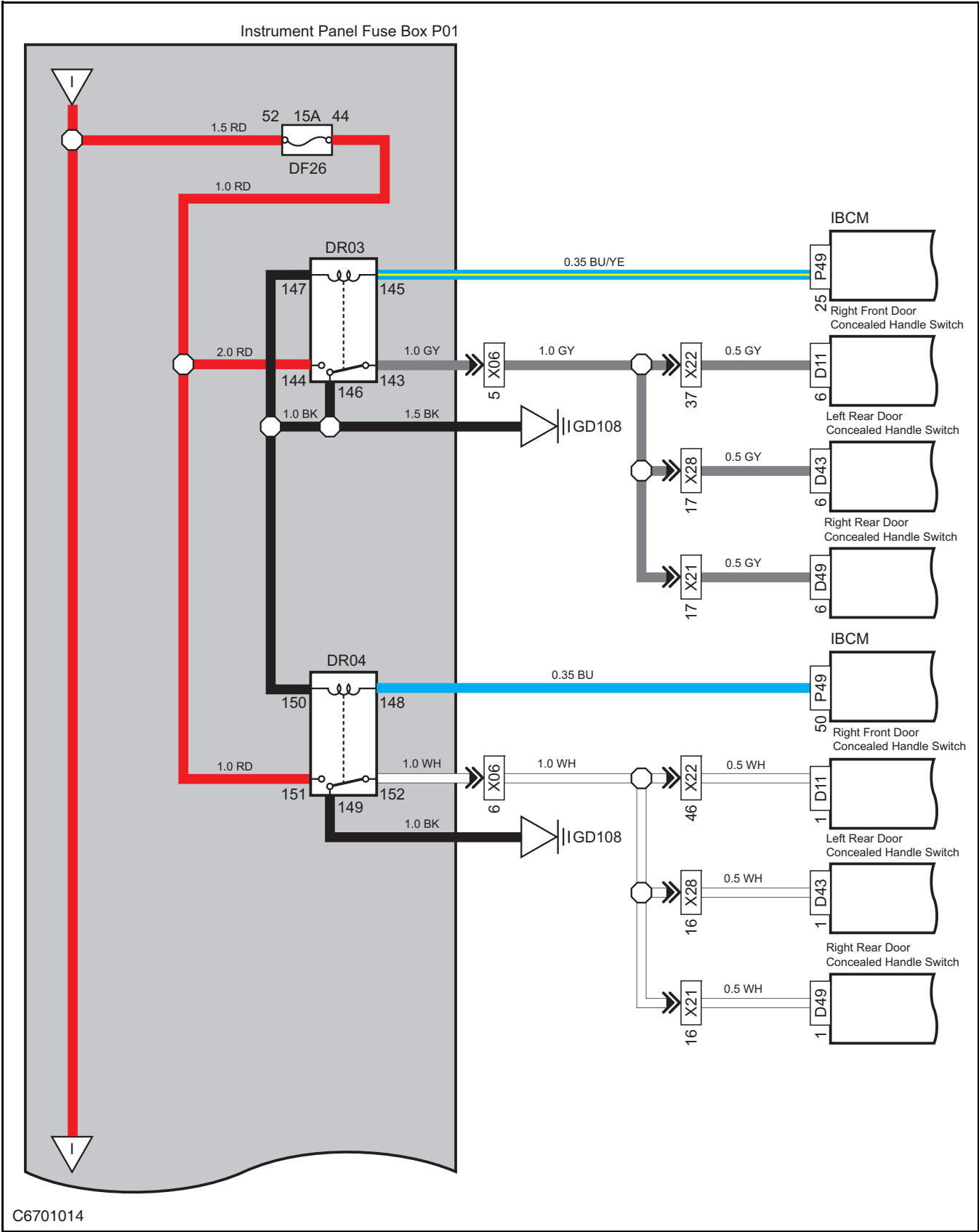
DF14 DF15 DF16 DF18 DF19 DF20



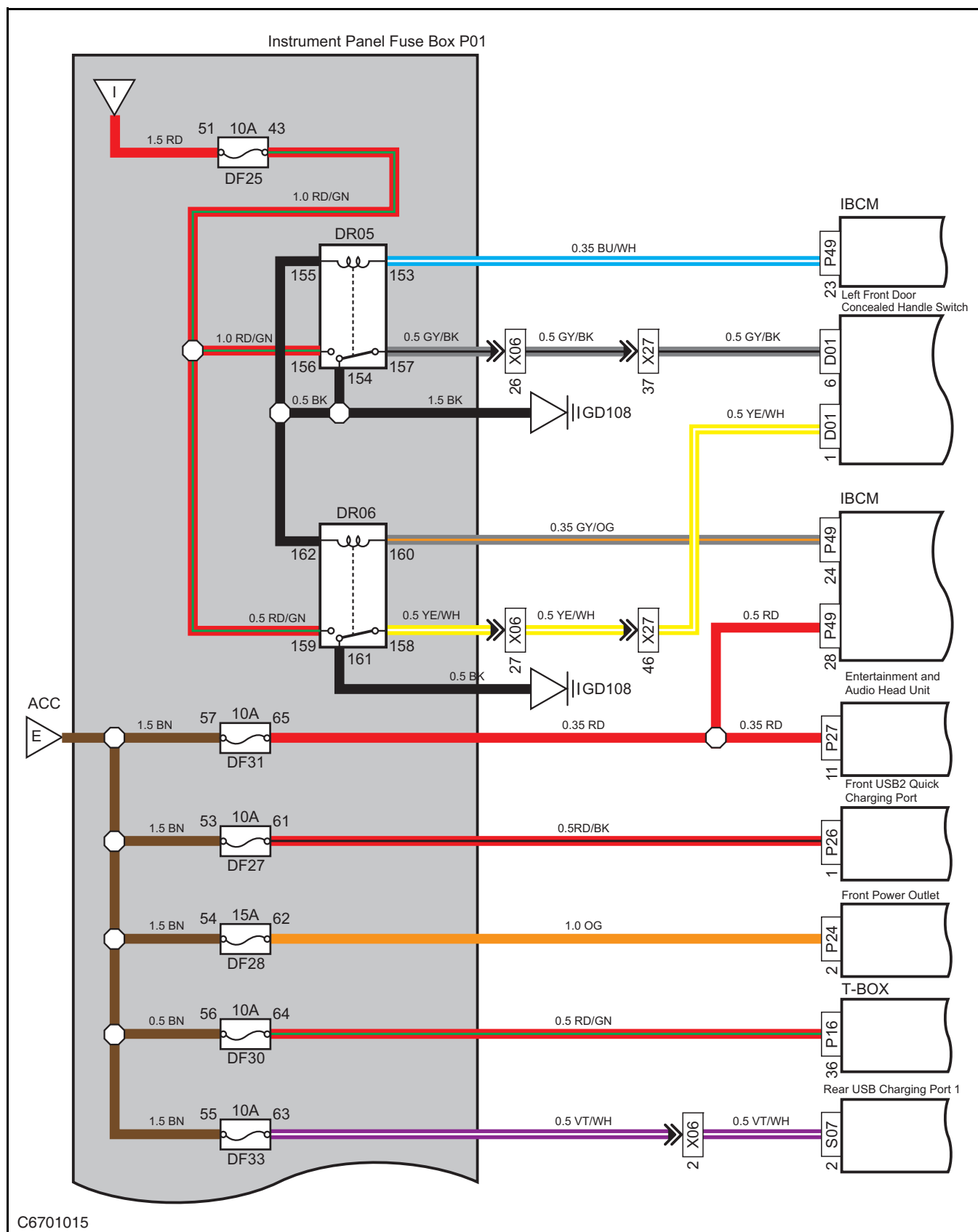
SB15 DF12 DF17 DF24



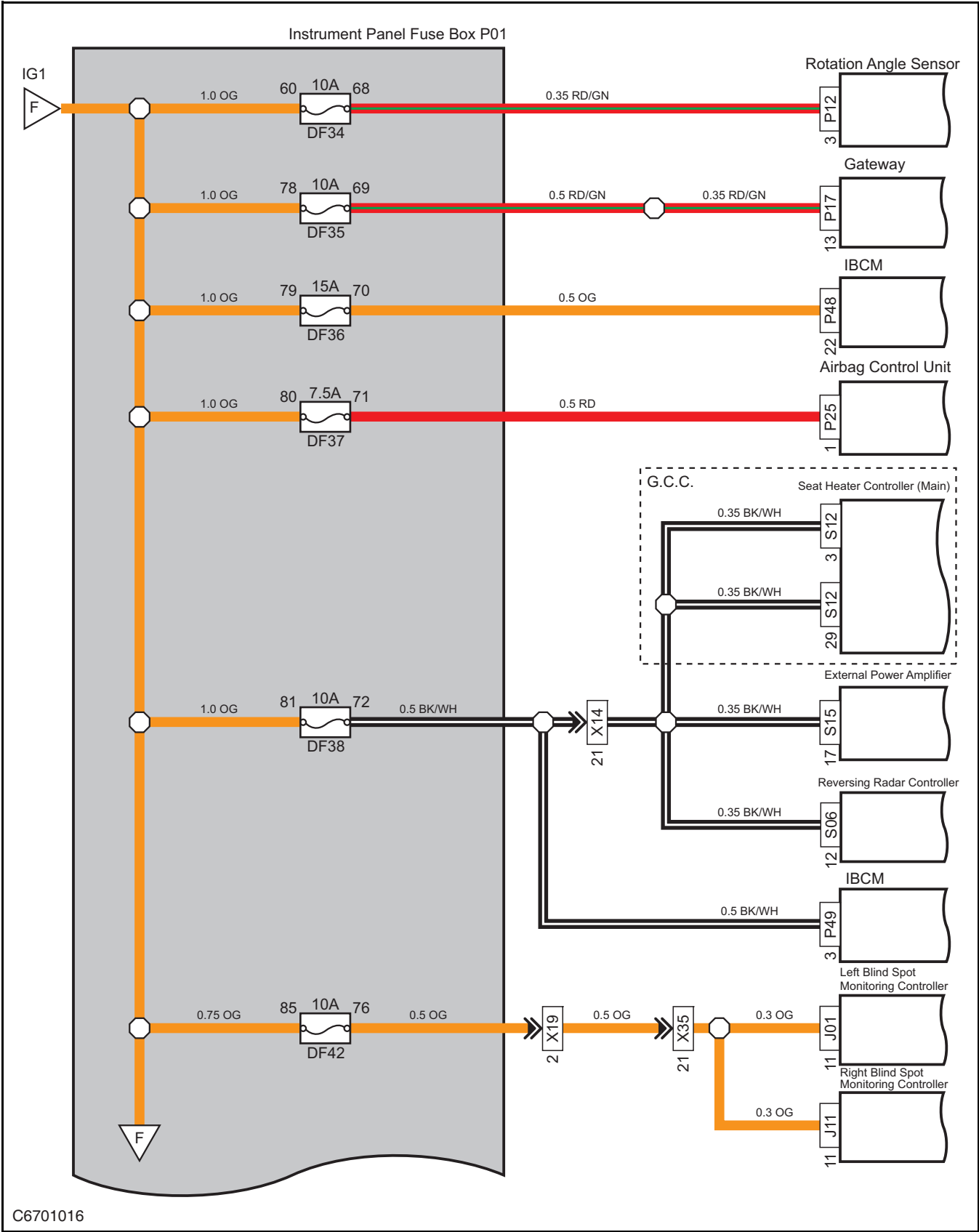
DF26 DR03 DR04



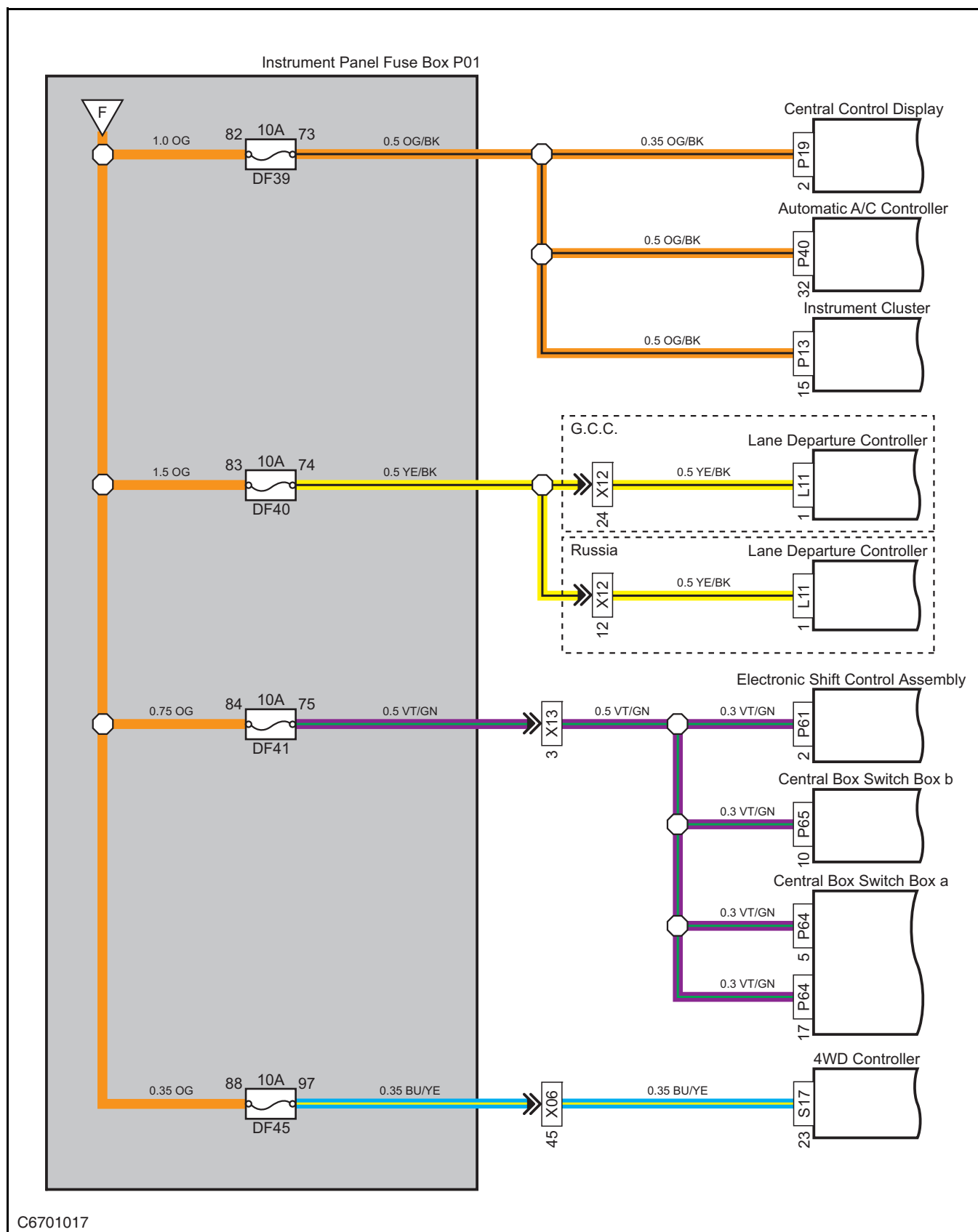
DF25 DF27 DF28 DF30 DF31 DF33



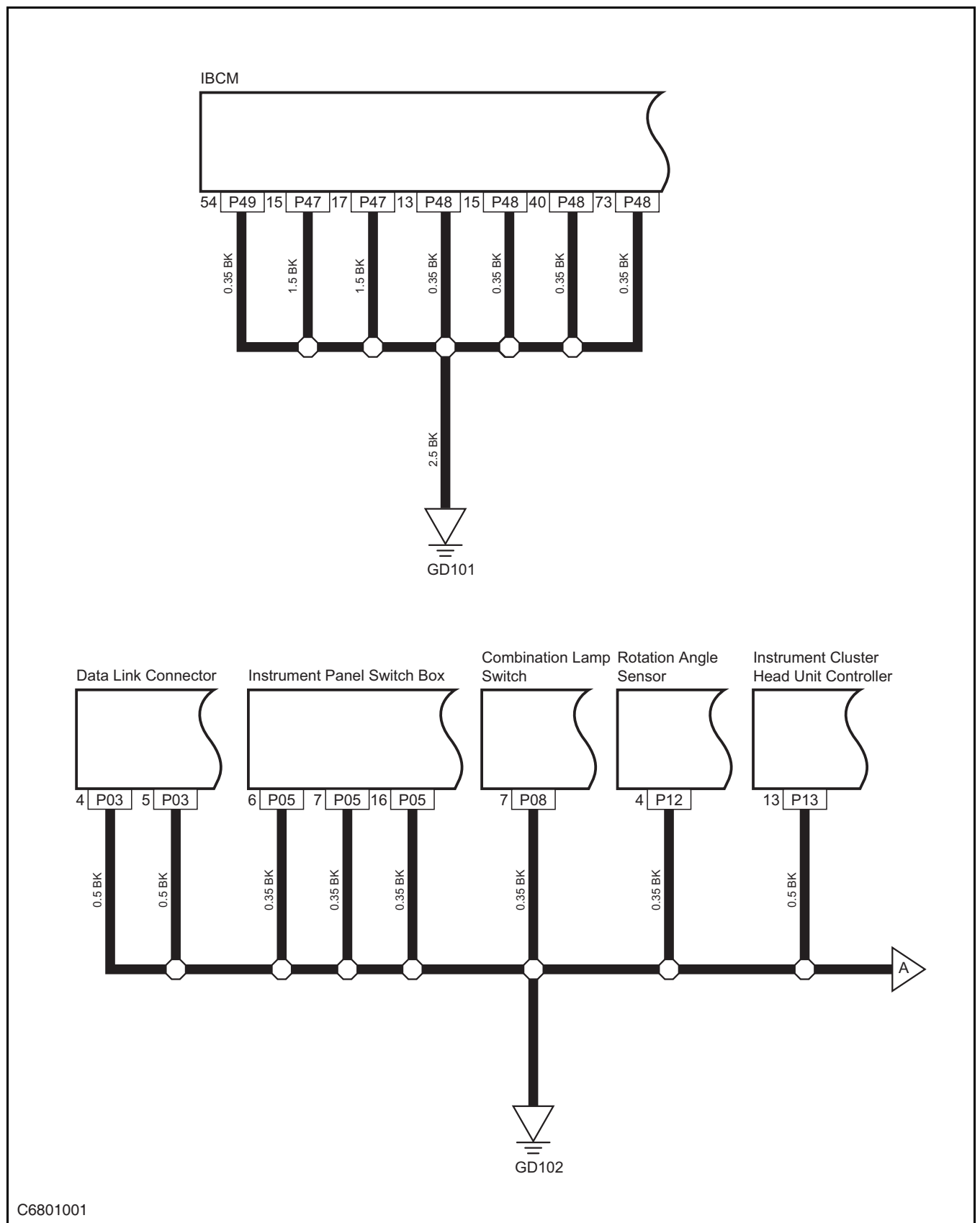
DF34 DF35 DF36 DF37 DF38 DF42 DR05 DR06



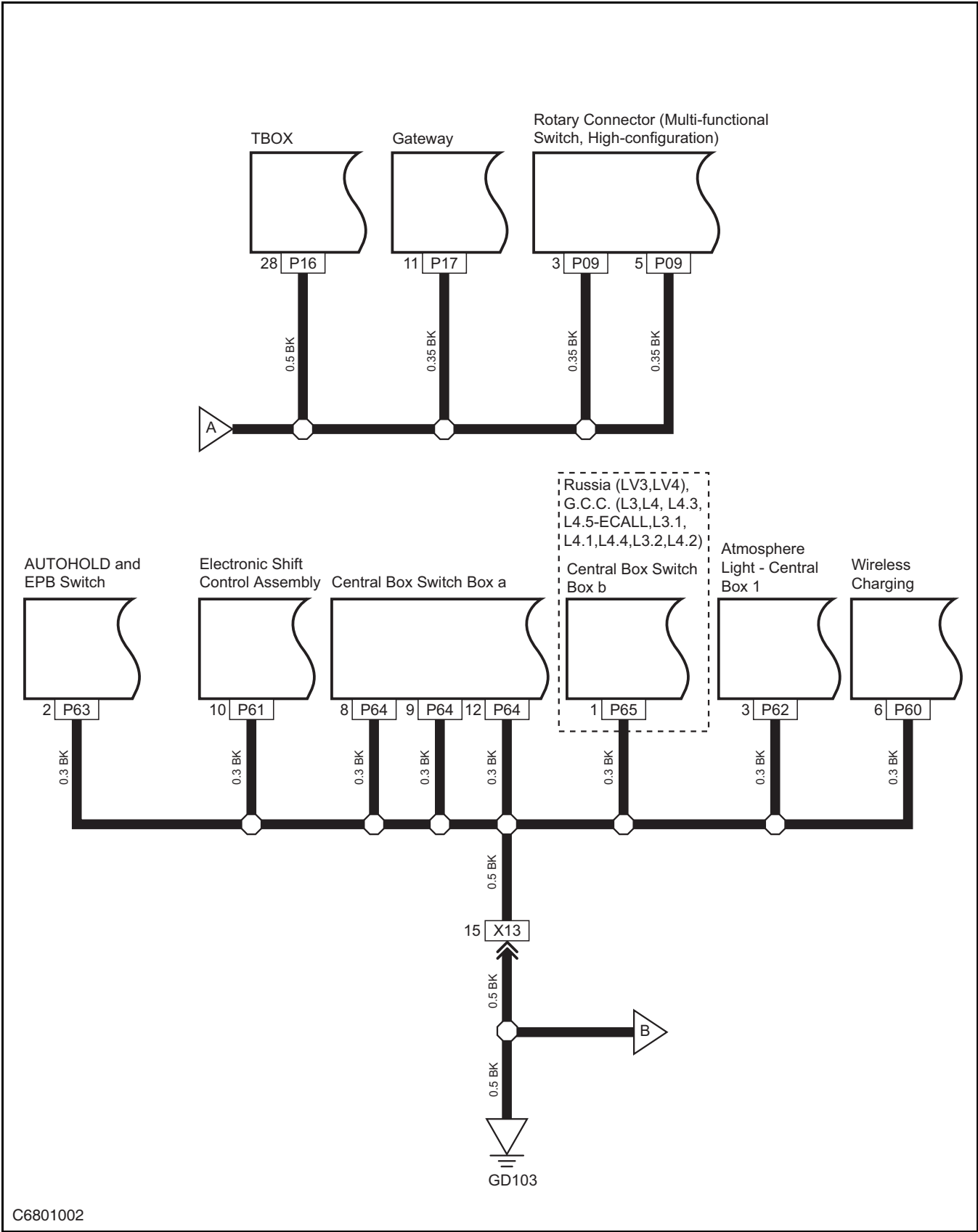
DF39 DF40 DF41 DF45



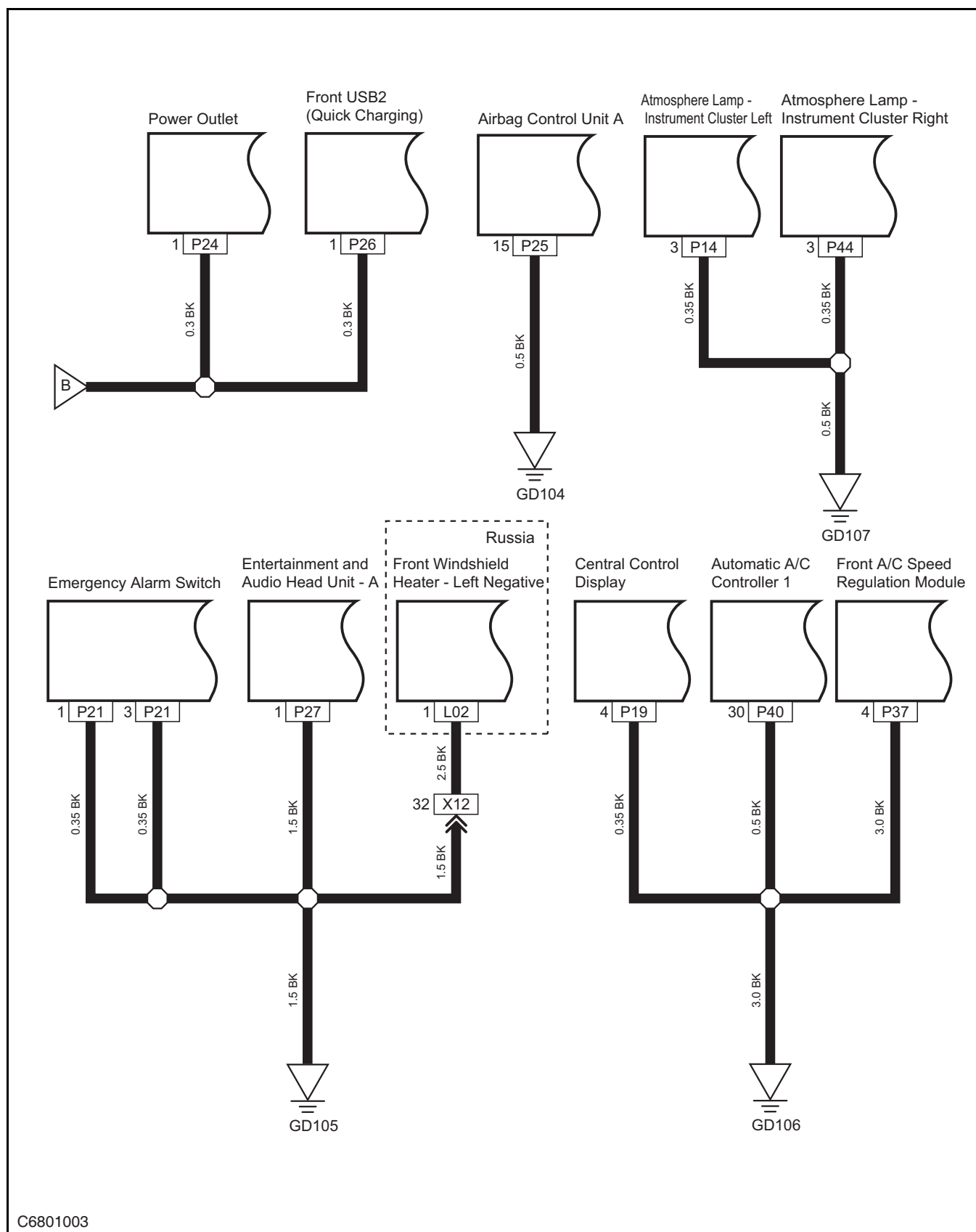
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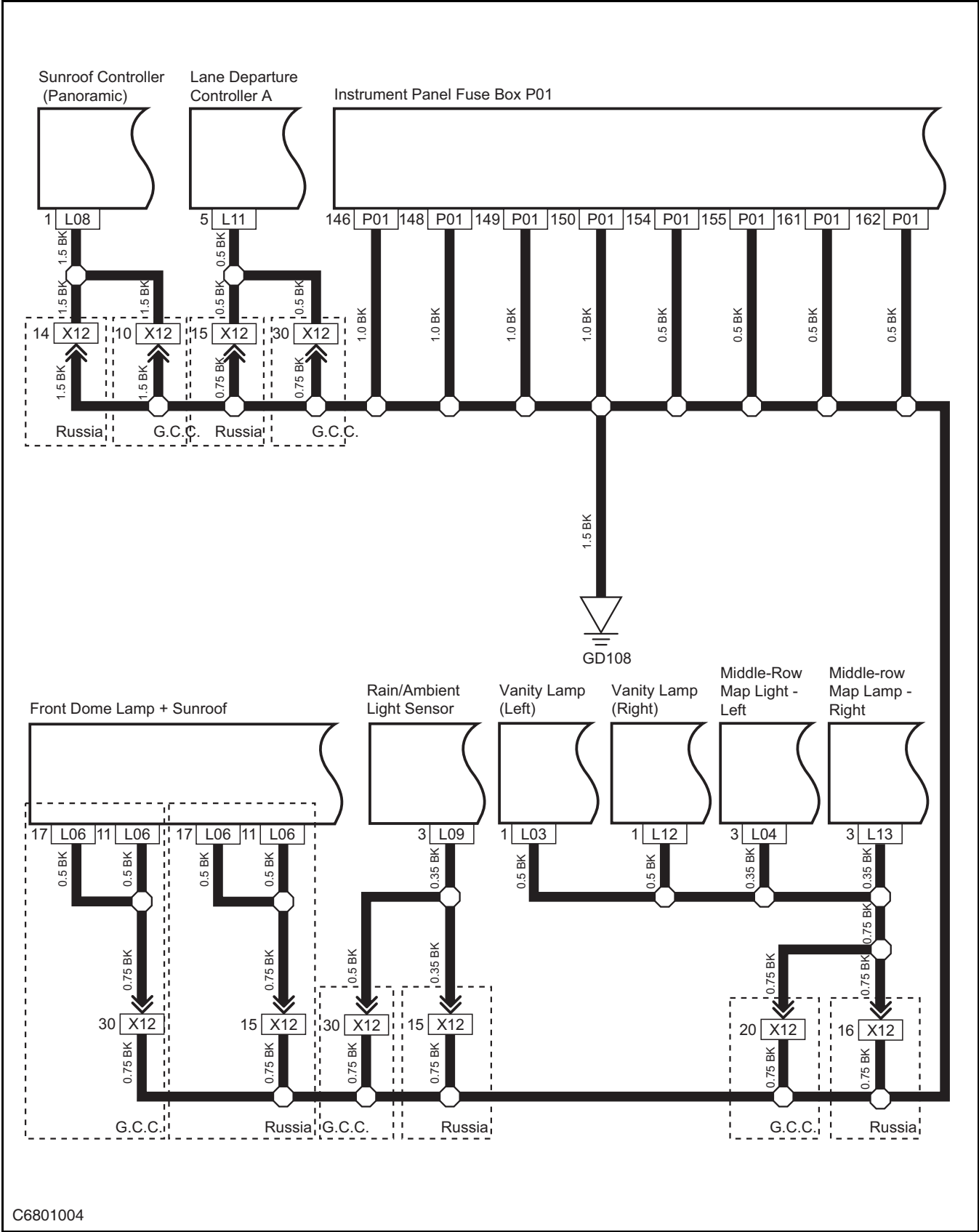
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GD104 GD105 GD106 GD107

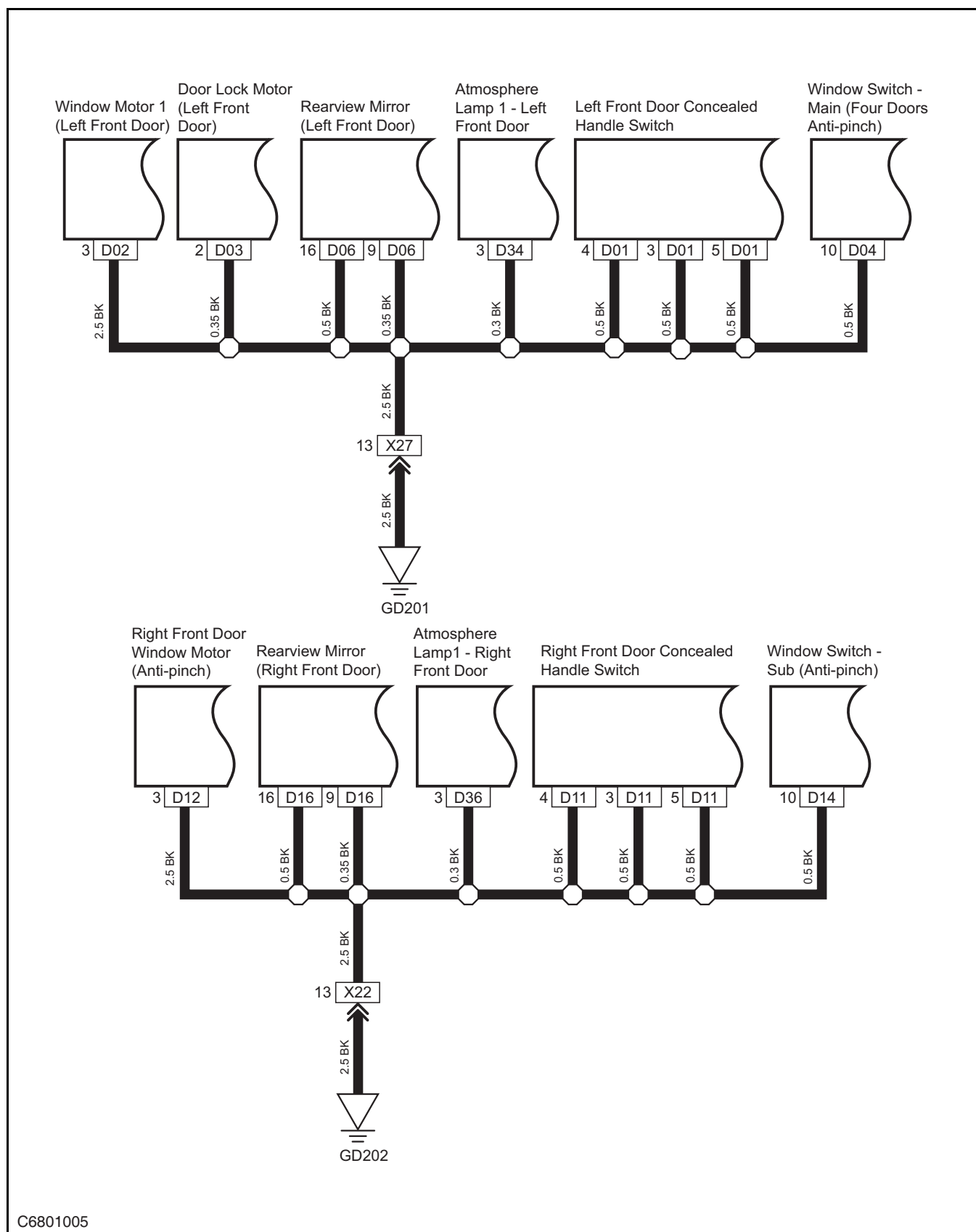


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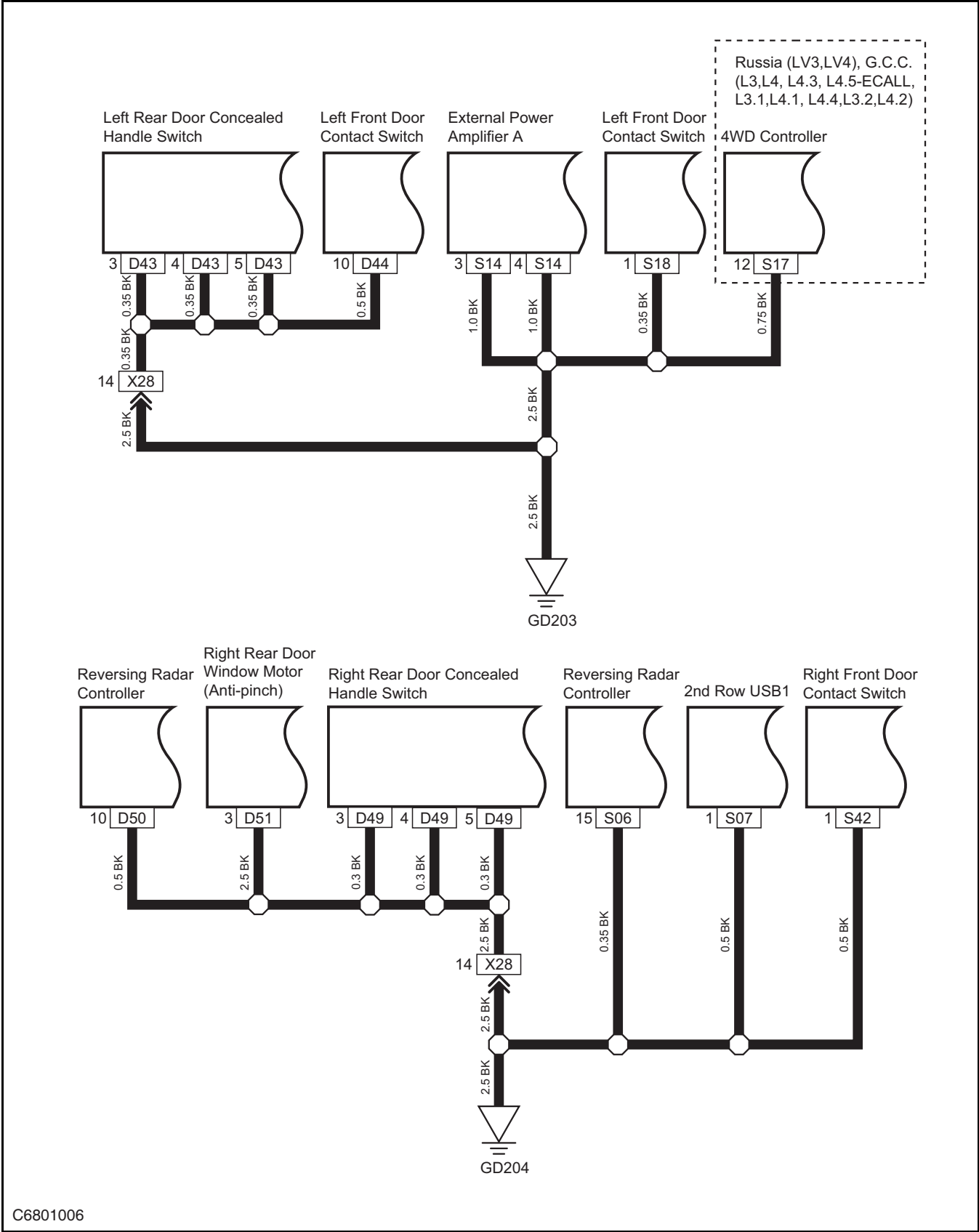


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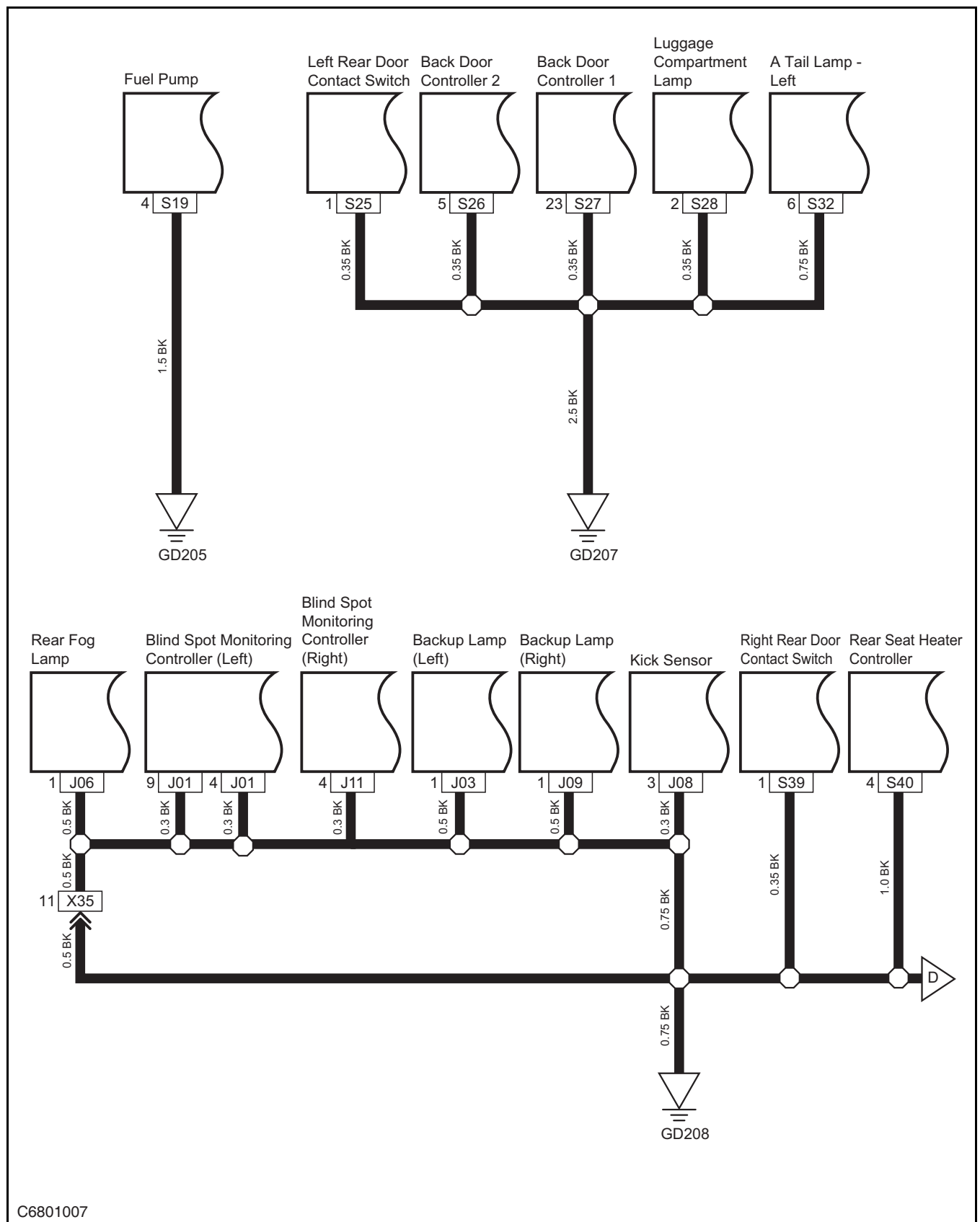
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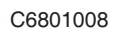
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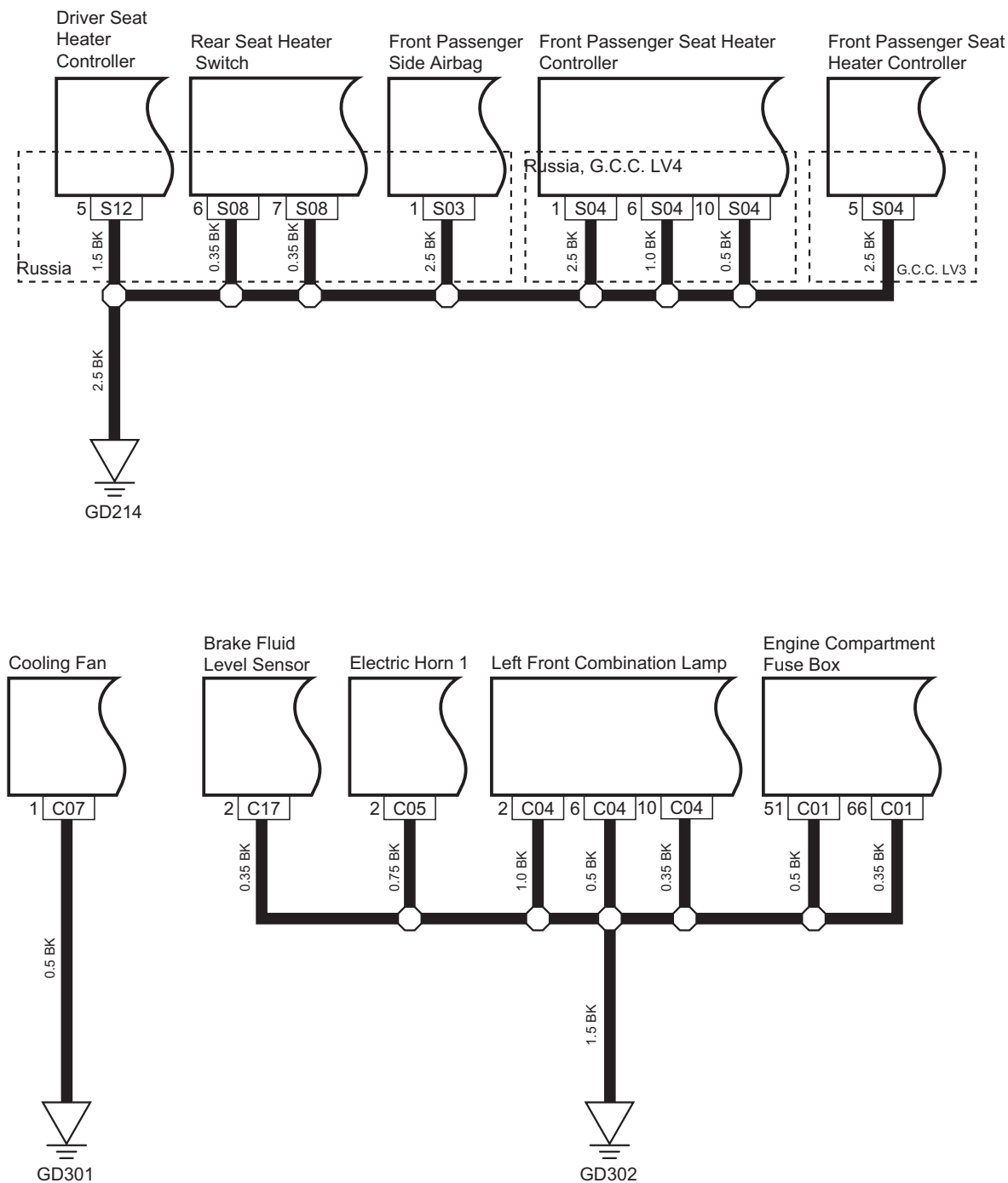
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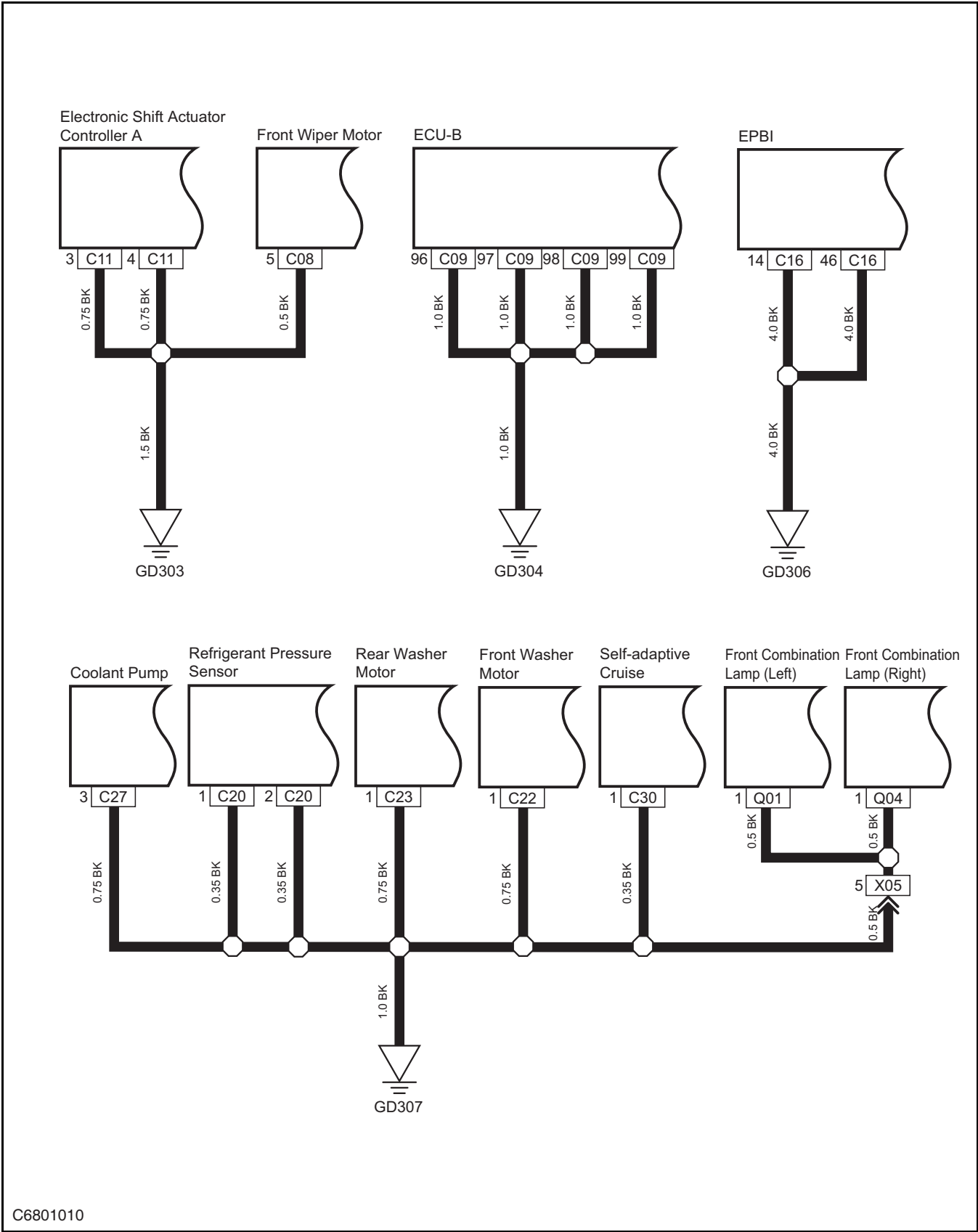


GD214 GD301 GD302



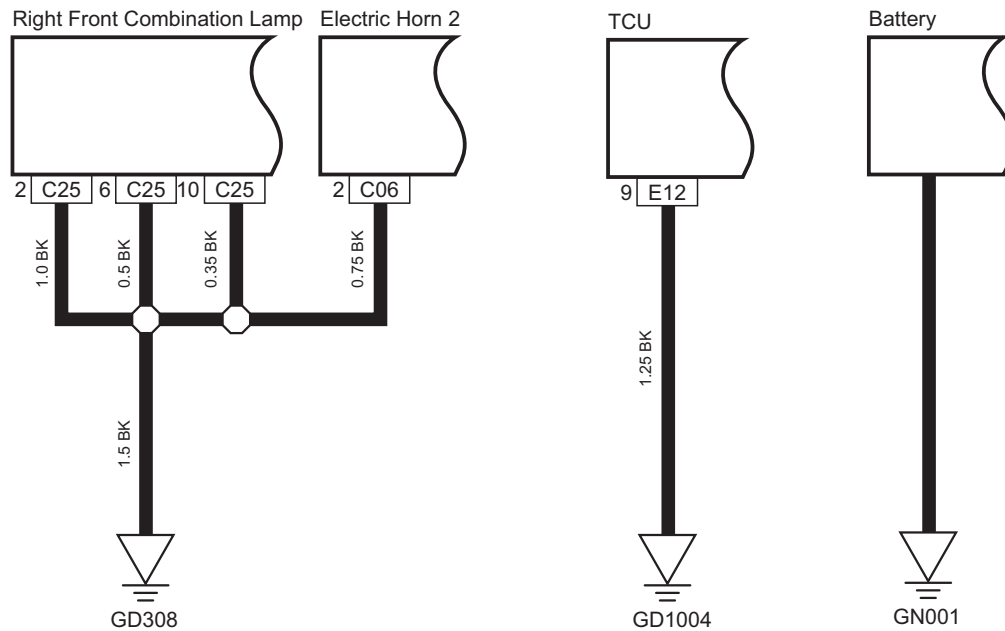
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GD303 GD304 GD306 GD307

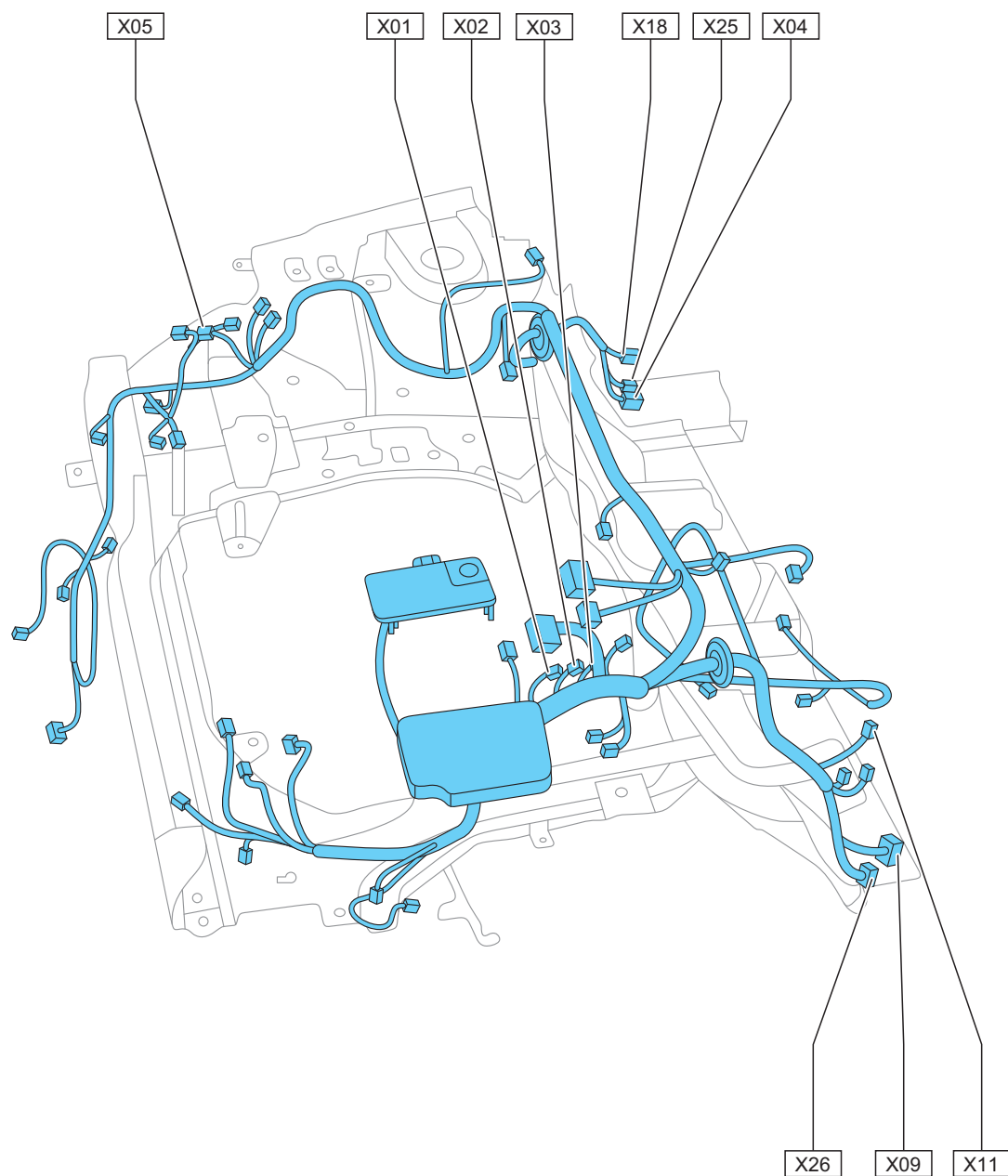


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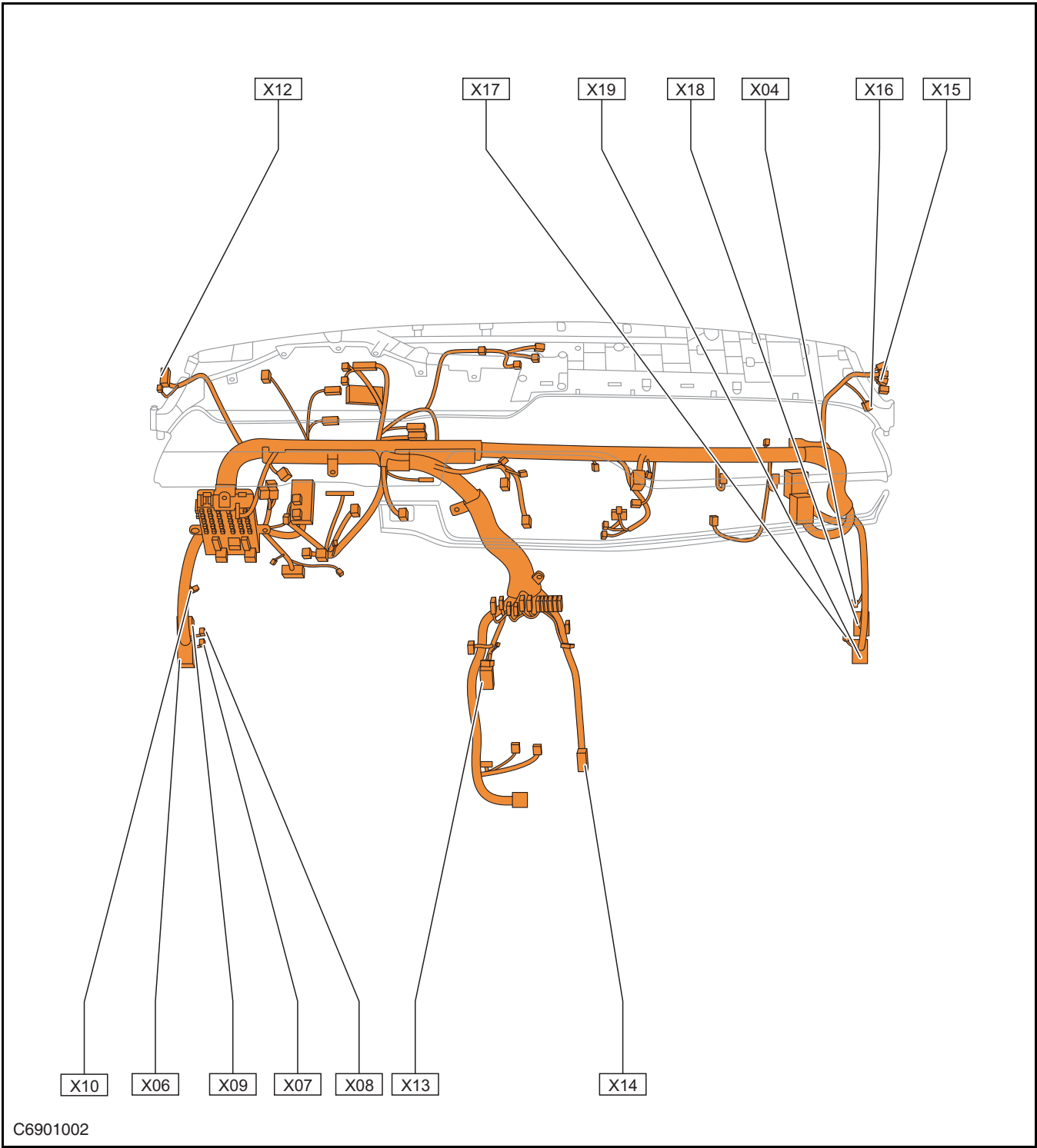
GD308 G1004 G1001

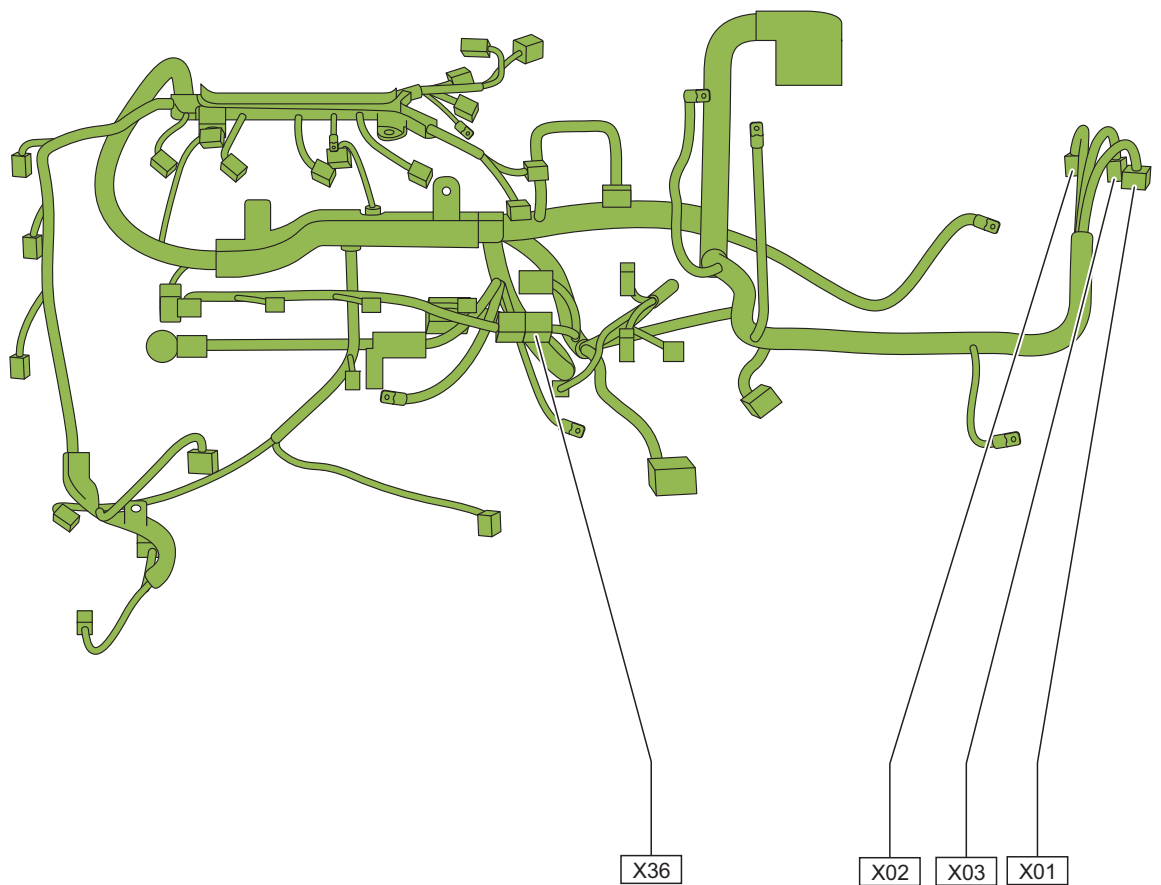


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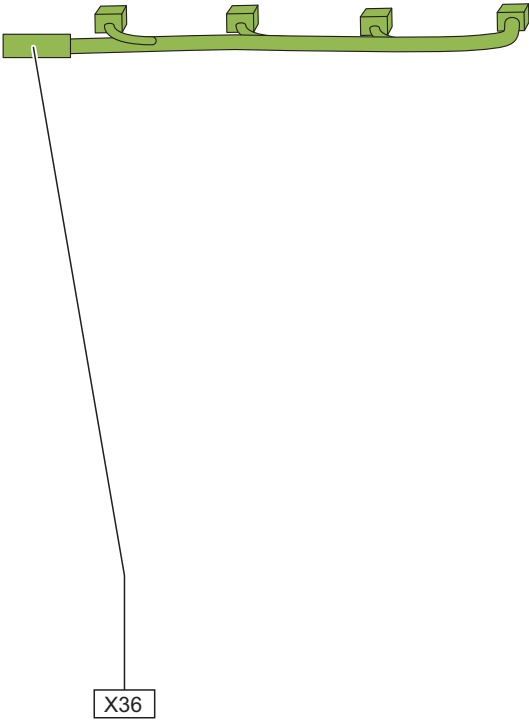
Wiring Harness to Wiring Harness (X--)

C6901001

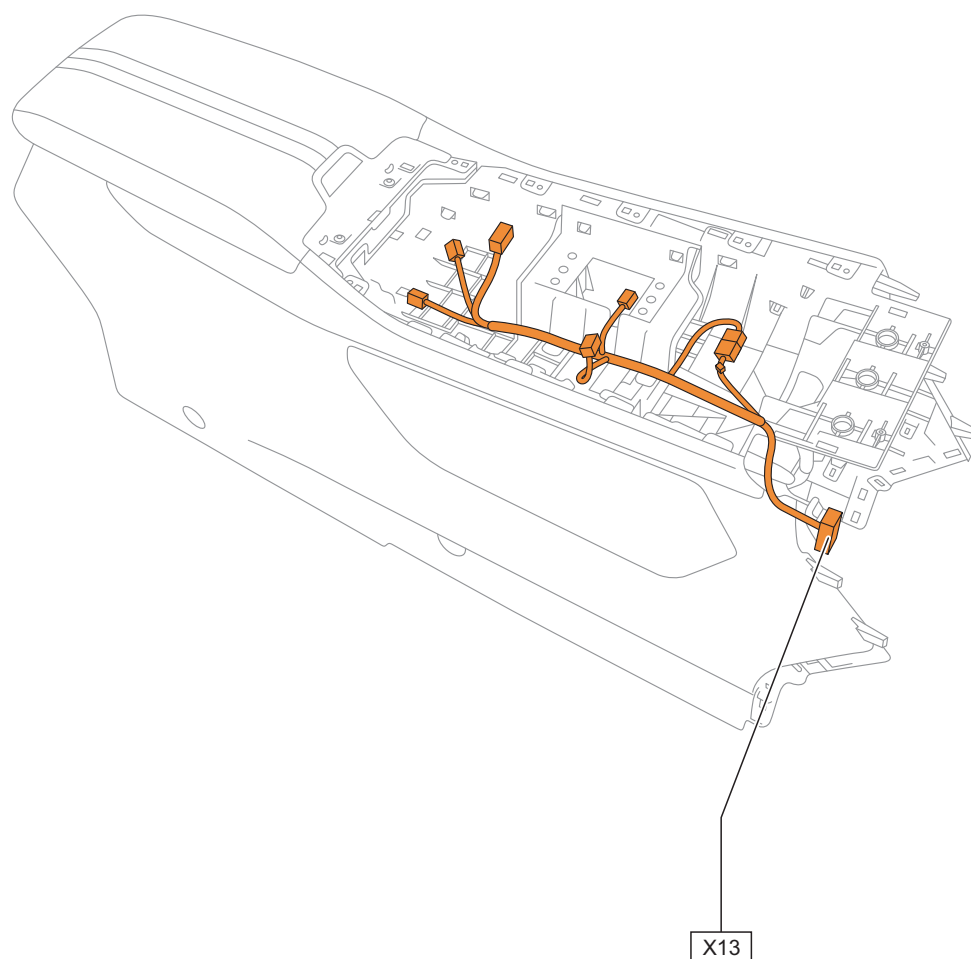




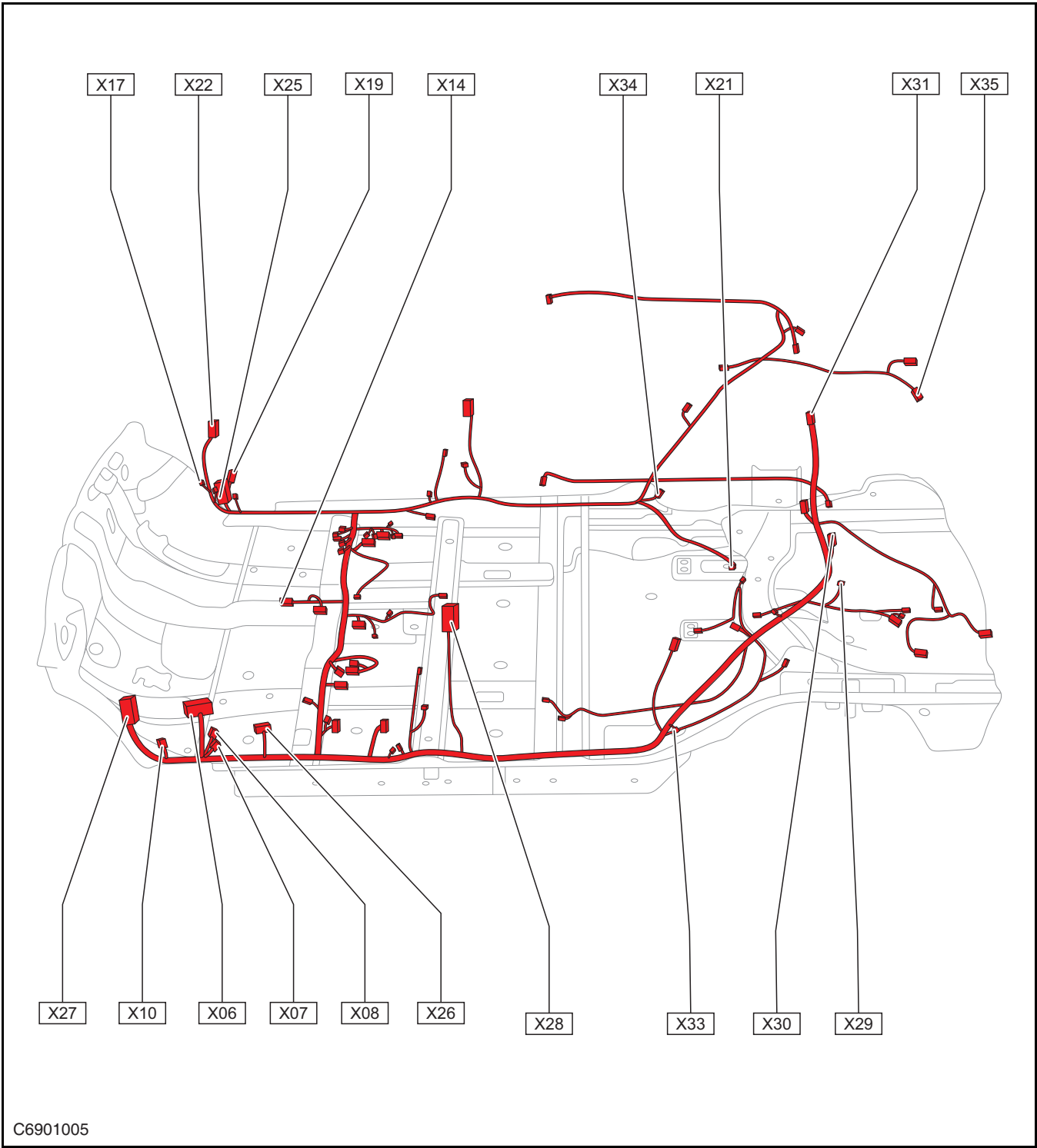
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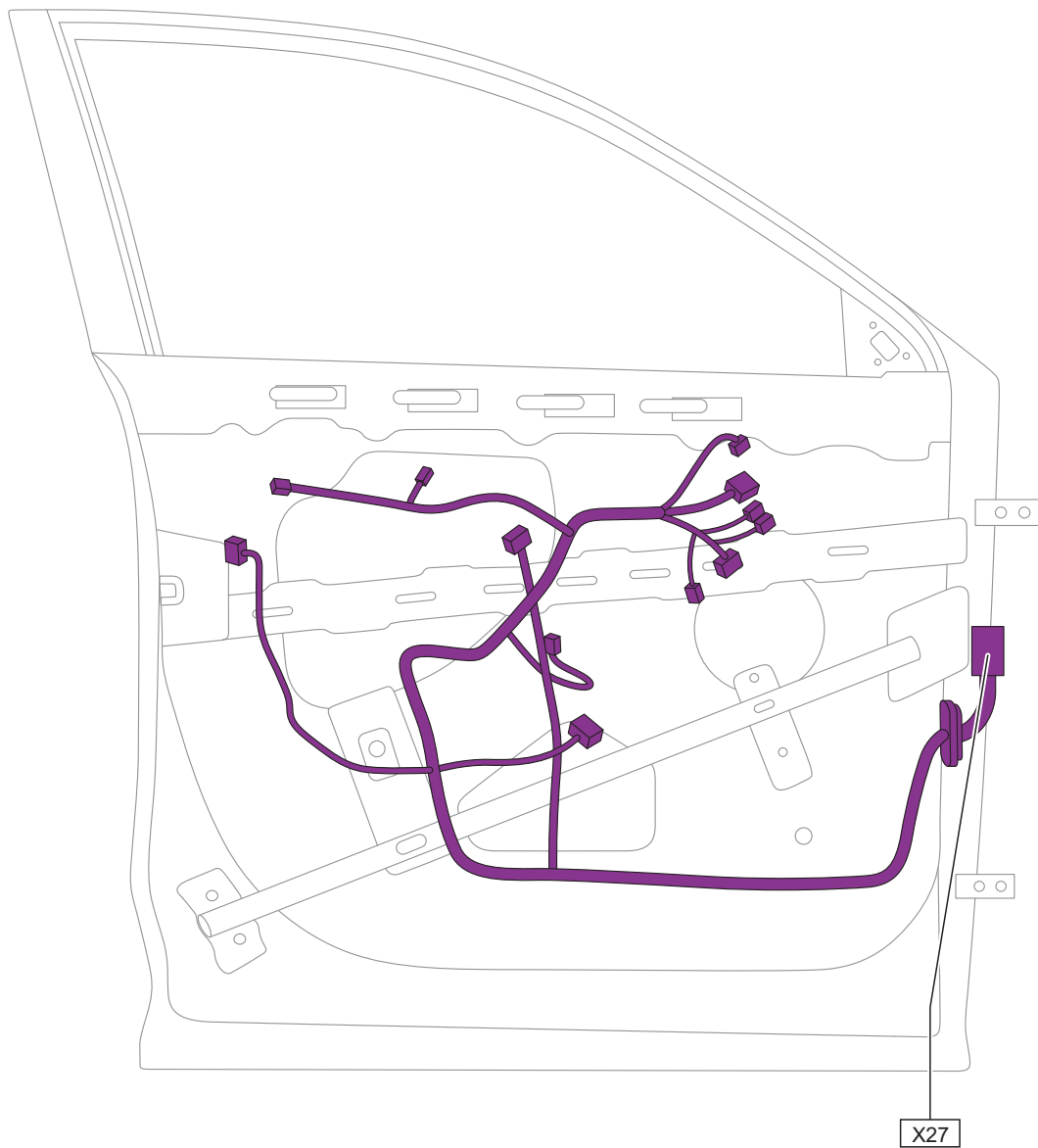


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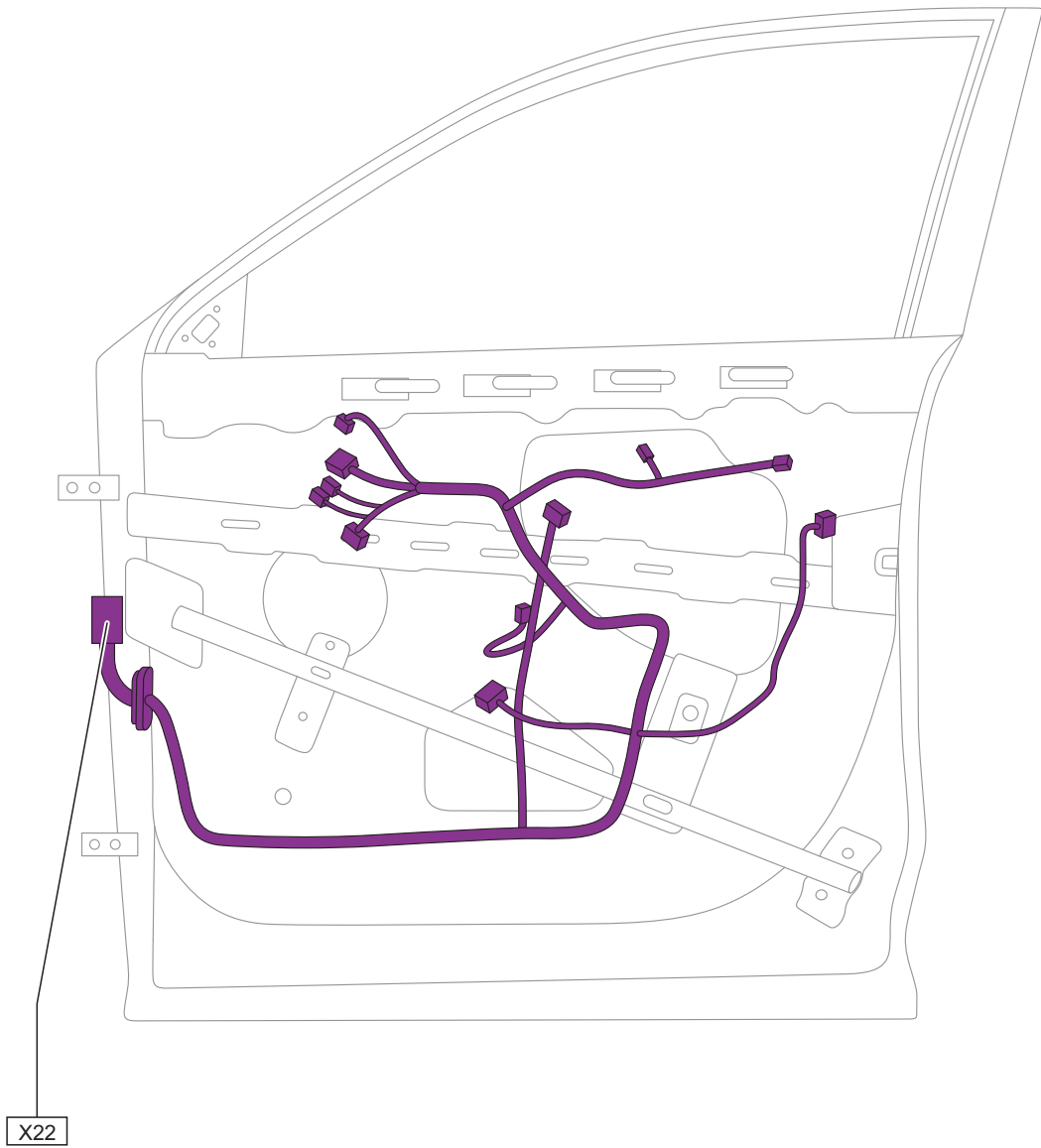


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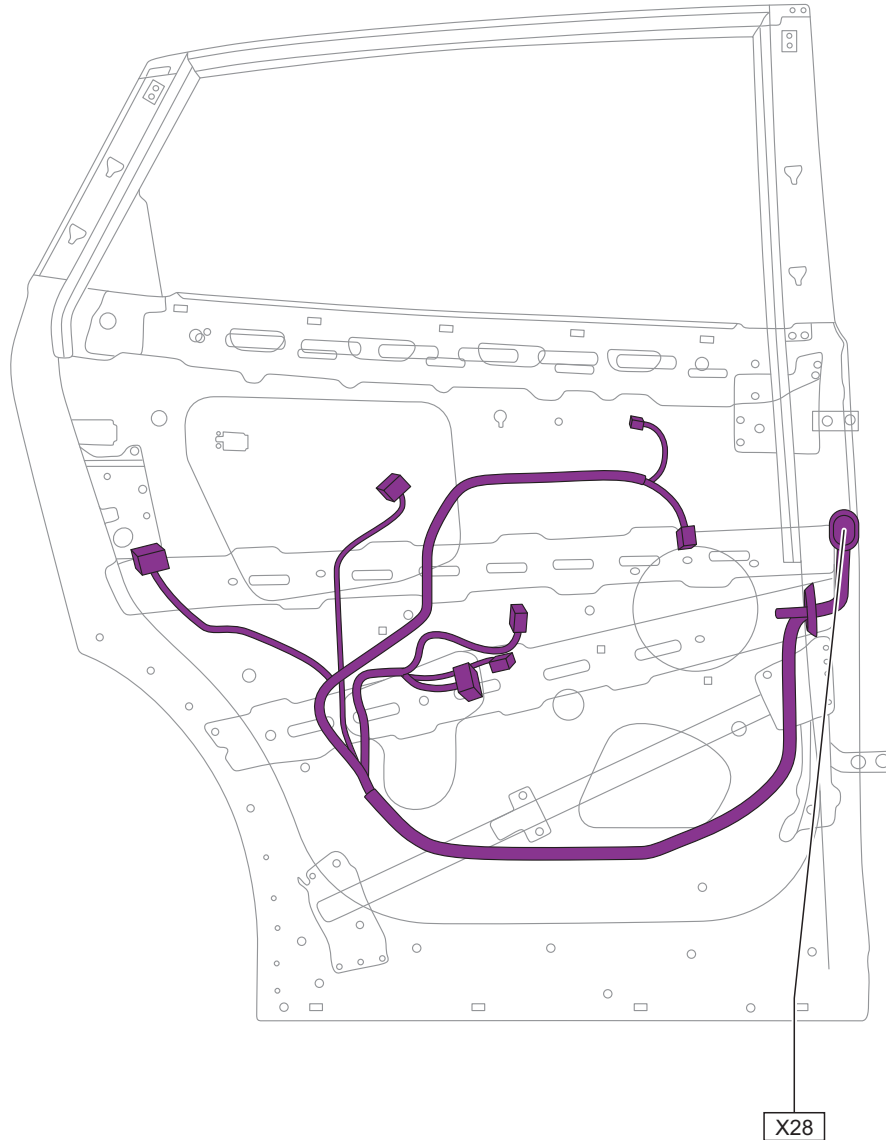




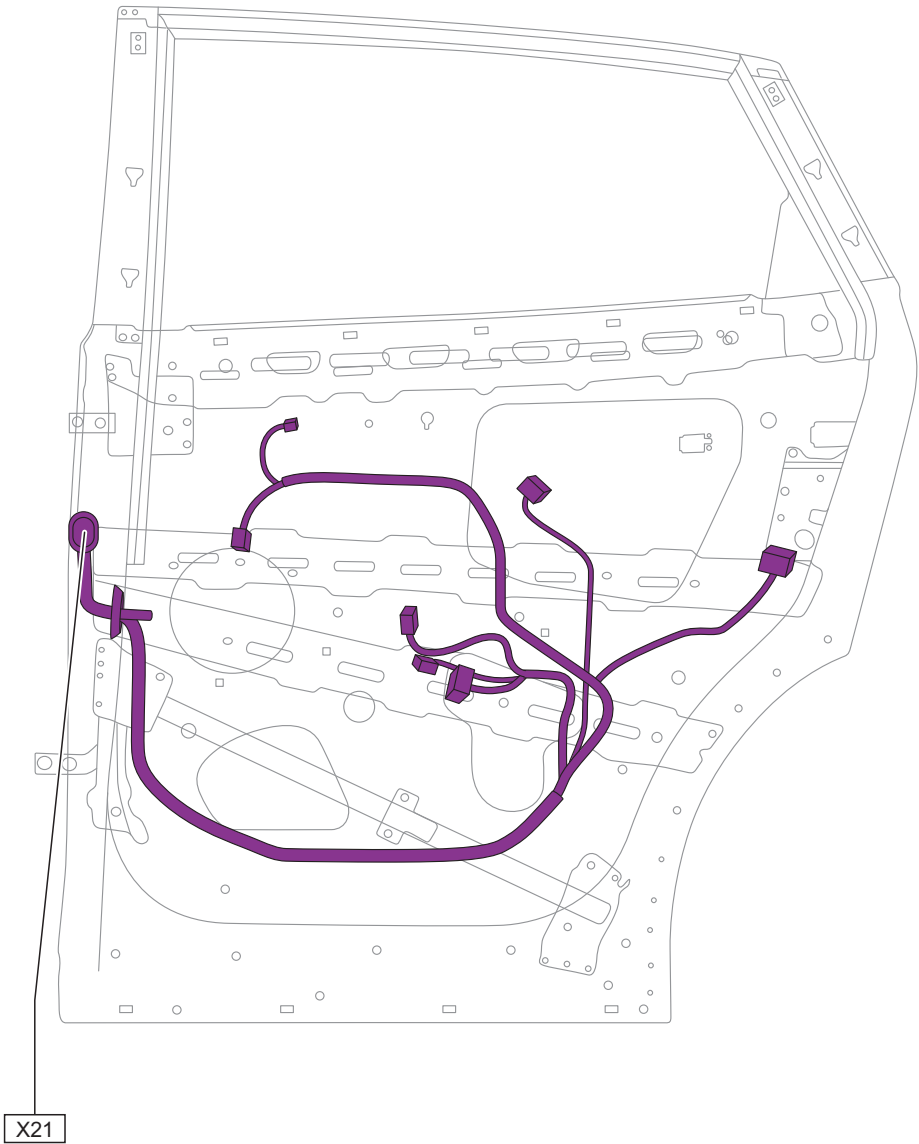
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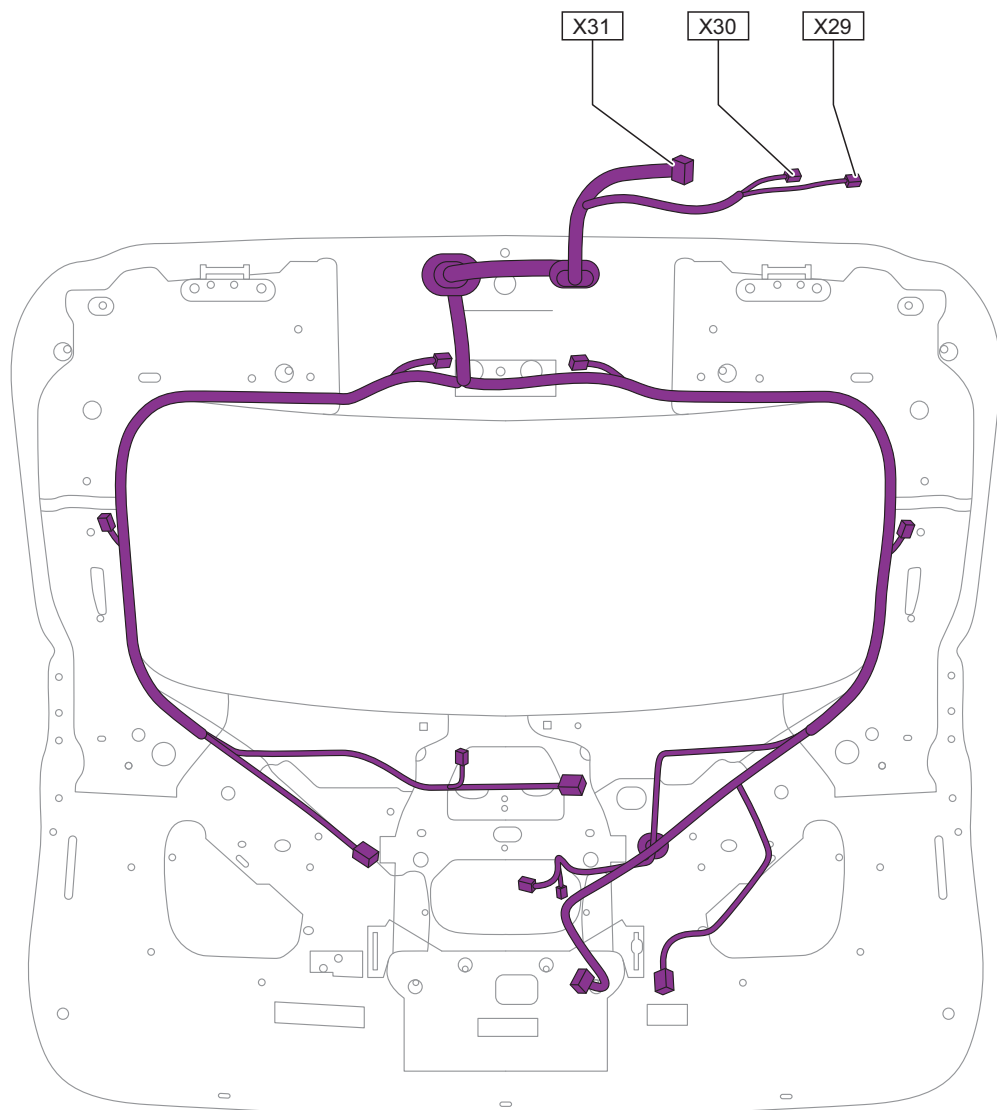
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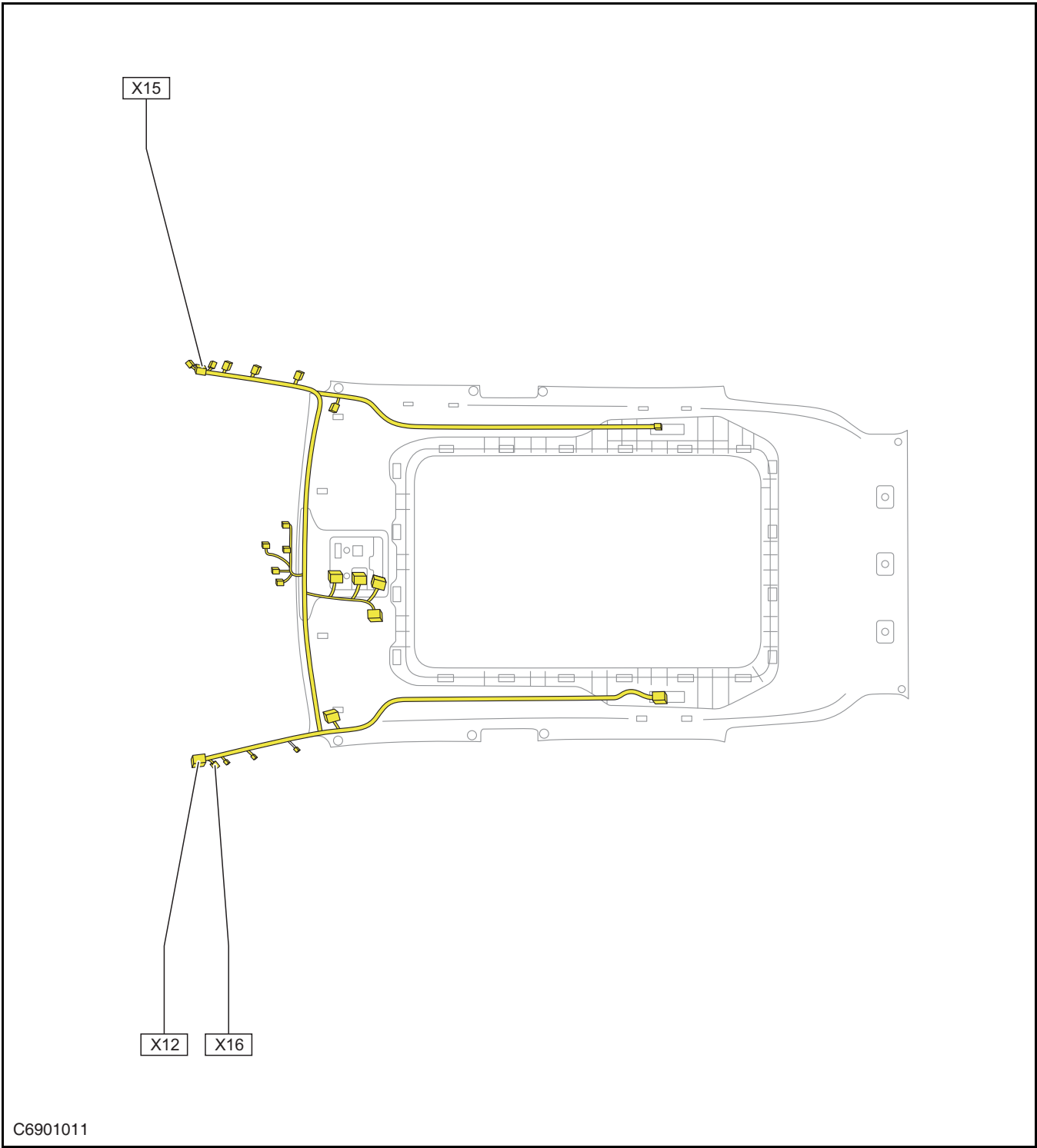
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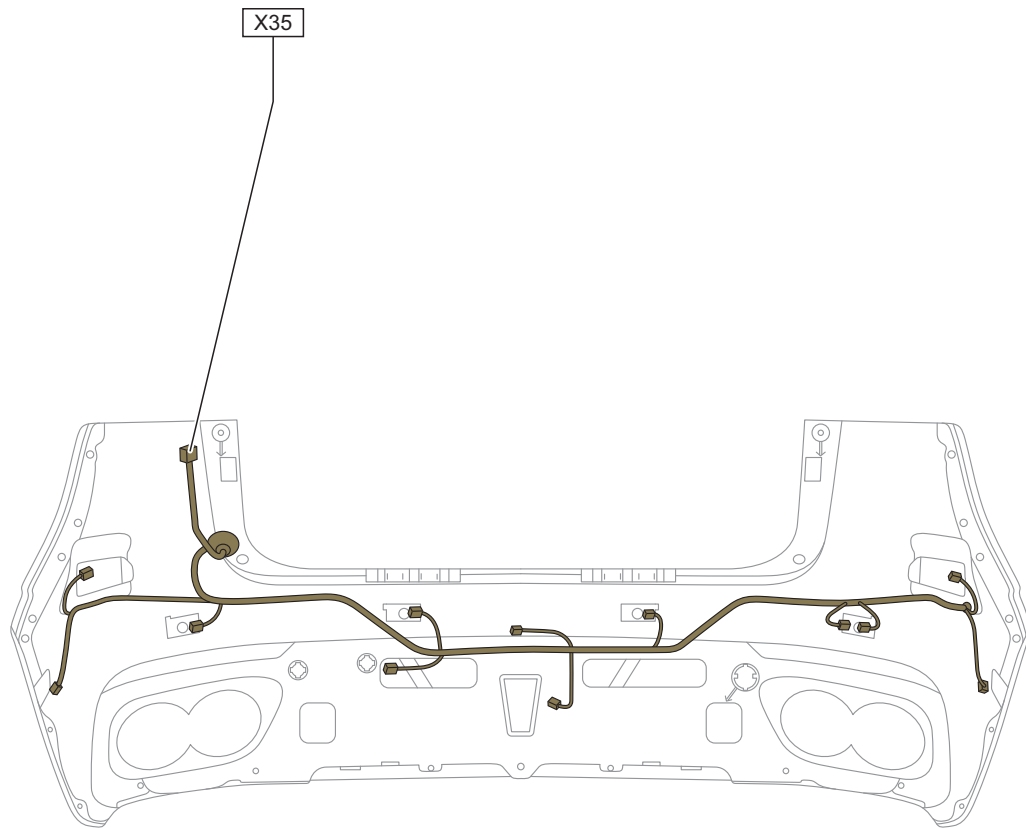


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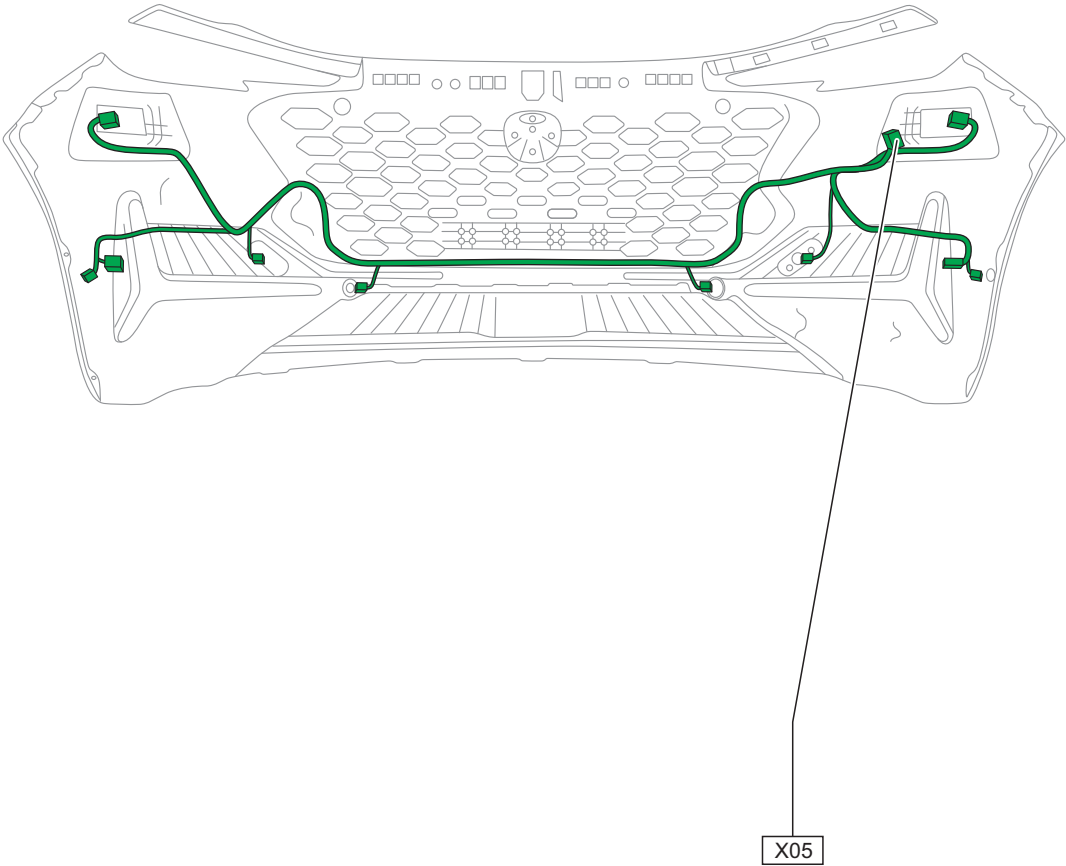


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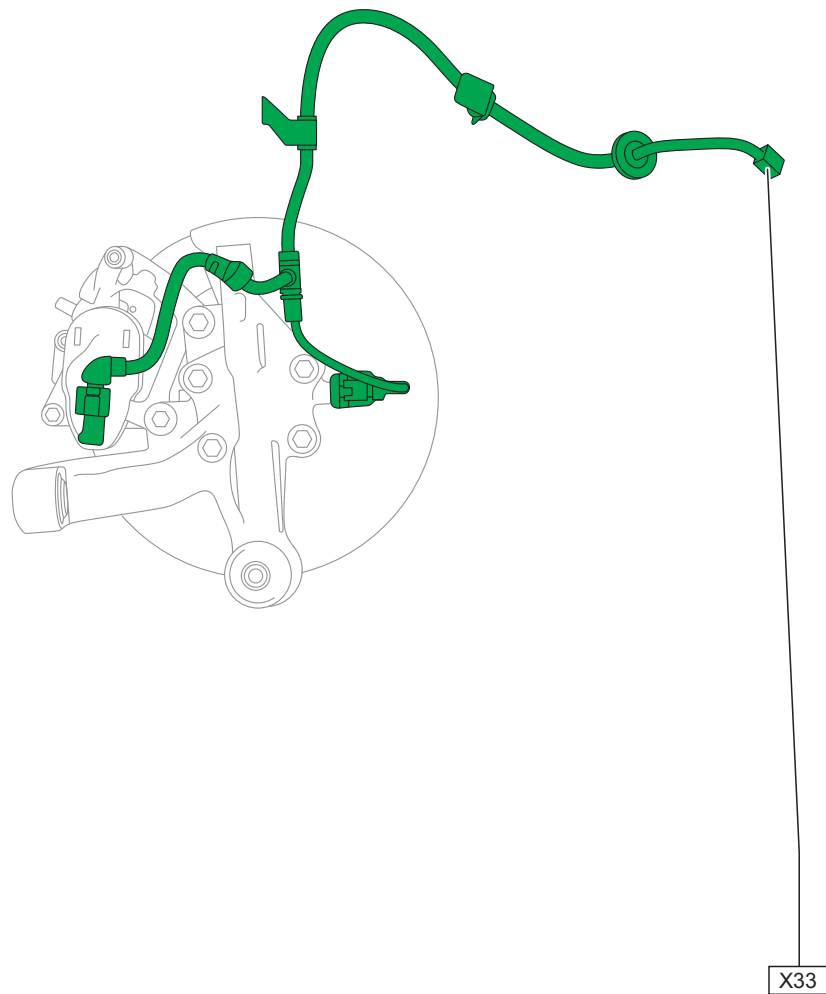


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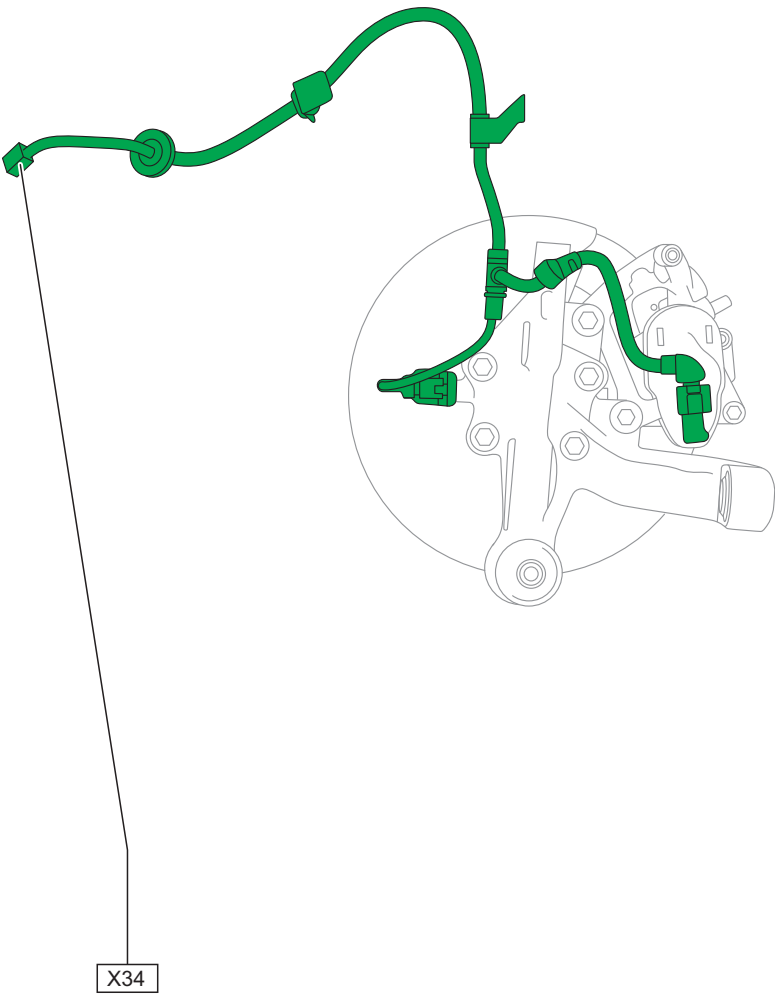


X05

C6901013



C6901014



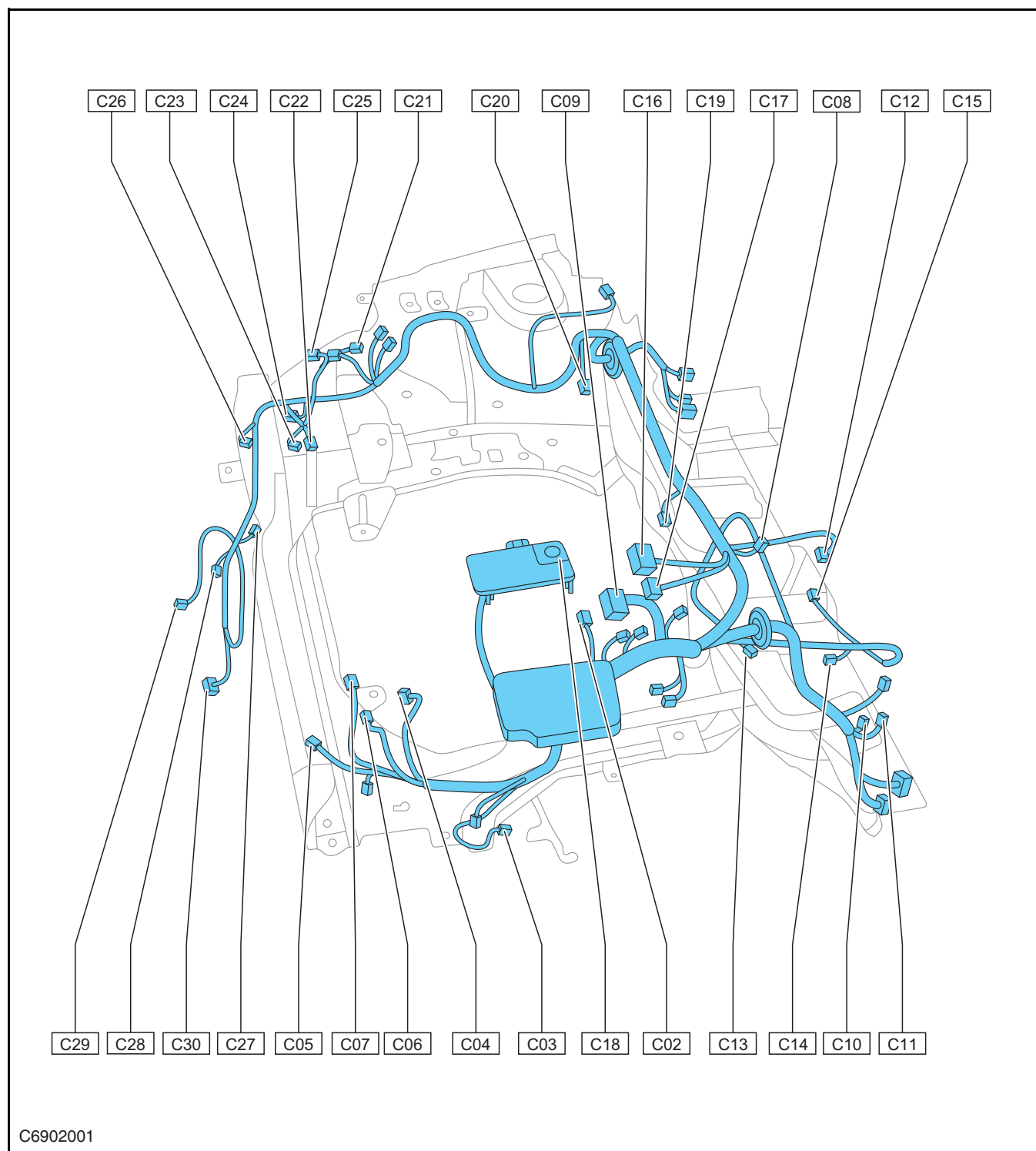
C6901015

Wiring Harness to Wiring Harness (X) Definition List

A Connector Name	B Connector Name	Definition
Engine Compartment to Engine 1	Engine 1 to Engine Compartment	X01
Engine Compartment to Engine 2	Engine 2 to Engine Compartment	X02
Engine Compartment to Engine 3	Engine 3 to Engine Compartment (D20T)	X03
Engine Compartment to Instrument Panel (Front Camera)	Instrument Panel to Engine Compartment (Front Camera)	X04
Engine Compartment to Front Bumper (1)	Front Bumper to Engine Compartment (1)	X05
Instrument Panel to Chassis (Left 1)	Chassis to Instrument Panel (Left 1)	X06
Instrument Cluster to Chassis (Streaming Camera)	Chassis to Instrument Cluster (Streaming Camera)	X07
Instrument Cluster to Chassis (Rear Camera)	Chassis to Instrument Cluster (Rear Camera)	X08
Instrument Cluster to Engine Compartment (Left 1)	Engine Compartment to Instrument Cluster (Left 1)	X09
Instrument Cluster to Chassis (Left Camera)	Chassis to Instrument Cluster (Left Camera)	X10
Instrument Cluster to Engine Compartment (Left 3)	Engine Compartment to Instrument Cluster (Left 3)	X11
Instrument Cluster to Roof (Left 1)	Roof to Instrument Cluster (Left 1)	X12
Instrument Cluster to Auxiliary Fascia Console	Auxiliary Fascia Console to Instrument Cluster	X13
Instrument Cluster to Chassis (Middle)	Chassis to Instrument Cluster (Middle)	X14
Instrument Cluster to Roof (Right)	Roof to Instrument Cluster (Right)	X15
Instrument Cluster to Roof GPS Feeder (Gray)	Roof GPS Feeder to Instrument Cluster (Gray)	X16
Instrument Cluster to Chassis Right Camera (Black)	Chassis Right Camera to Instrument Cluster (Black)	X17
Instrument Cluster to Engine Compartment (Right 1)	Engine Compartment to Instrument Cluster (Right 1)	X18
Instrument Cluster to Chassis (Right 1)	Chassis to Instrument Cluster (Right)	X19
Chassis to Right Rear Door	Right Rear Door to Chassis	X21
Chassis to Right Front Door	Right Front Door to Chassis	X22
Chassis to Engine Compartment (Right 1)	Engine Compartment to Chassis (Right 1)	X25
Chassis to Engine Compartment (Left 1)	Engine Compartment to Chassis (Left 1)	X26
Chassis to Left Front Door	Left Front Door to Chassis	X27
Chassis to Left Rear Door	Left Rear Door to Chassis	X28
Chassis to Back Door (Streaming Camera)	Back Door to Chassis (Streaming Camera)	X29
Chassis to Back Door (Rear Camera)	Back Door to Chassis (Rear Camera)	X30
Chassis to Back Door	Back Door to Chassis	X31
Chassis to EPB Left	EPB Left to Chassis	X33

A Connector Name	B Connector Name	Definition
Chassis to EPB Right	EPB Right to Chassis	X34
Chassis to Rear Bumper	Rear Bumper to Chassis	X35
Engine Wiring Harness to Fuel Injector Wiring Harness	Fuel Injector Wiring Harness to Engine Wiring Harness	X36

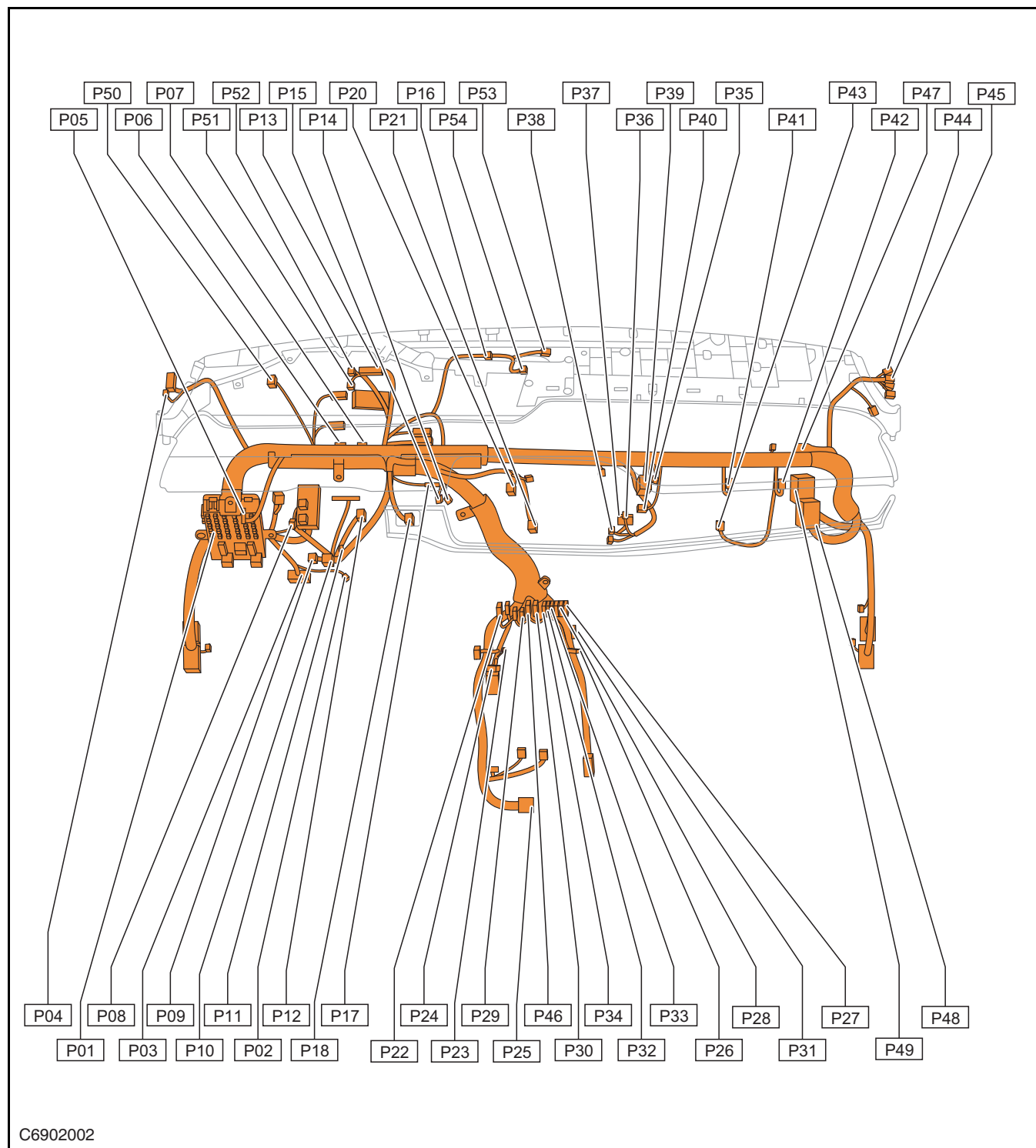
Engine Compartment Wiring Harness Connector (C--)

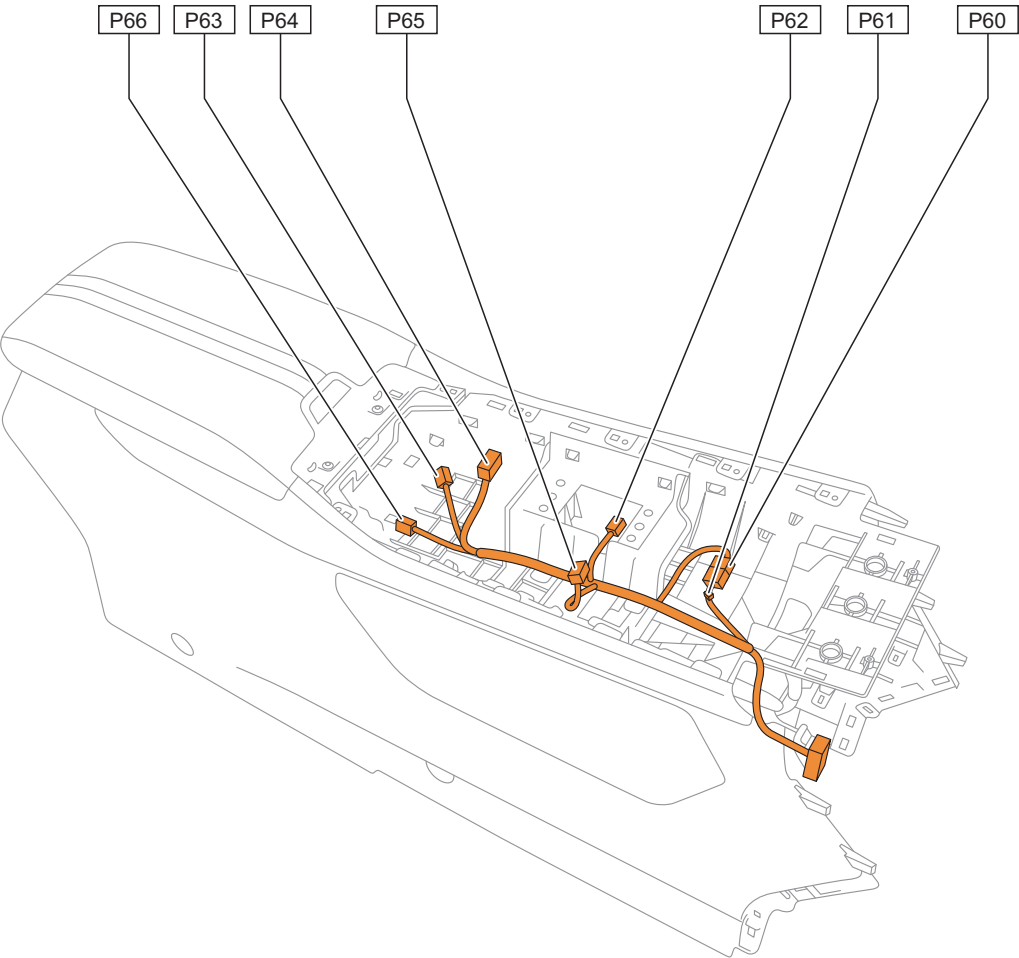


Engine Compartment Wiring Harness Connector (C) Definition List

Connector Name	Definition
Battery Sensor (D20)	C02
Left Front Wheel Speed Sensor	C03
Left Front Combination Lamp	C04
Electric Horn 1	C05
Left Front Collision Sensor	C06
Cooling Fan	C07
Front Wiper Motor	C08
ECU-B	C09
Electronic Shift Actuator Controller B	C10
Electronic Shift Actuator Controller A	C11
Brake Switch 2	C12
Accelerator Pedal Position Sensor	C13
GPF Temperature Sensor	C14
GPF Differential Pressure Sensor	C15
EPBI	C16
Brake Fluid Level Sensor	C17
Battery Positive - Engine Compartment Fuse Box Constant Power Supply	C18
Vacuum Pressure Sensor	C19
Refrigerant Pressure Sensor	C20
Right Front Wheel Speed Sensor	C21
Front Washer Motor	C22
Rear Washer Motor	C23
Right Front Collision Sensor	C24
Right Front Combination Lamp	C25
Electric Horn 2	C26
Coolant Pump	C27
Outside Temperature Sensor	C28
To Front Camera	C29
Self-adaptive Cruise	C30

Instrument Panel Wiring Harness Connector (P--)





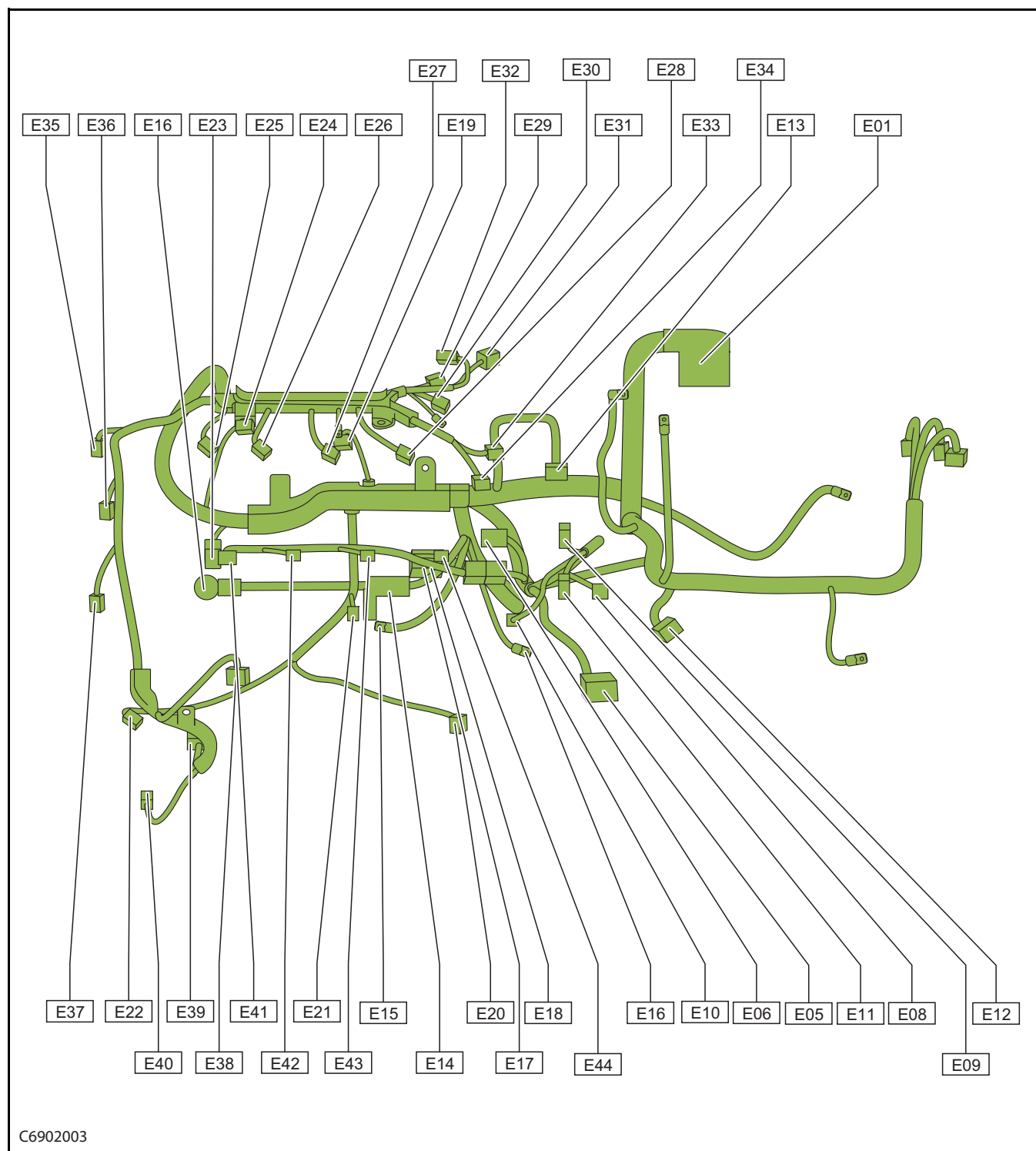
C6902004

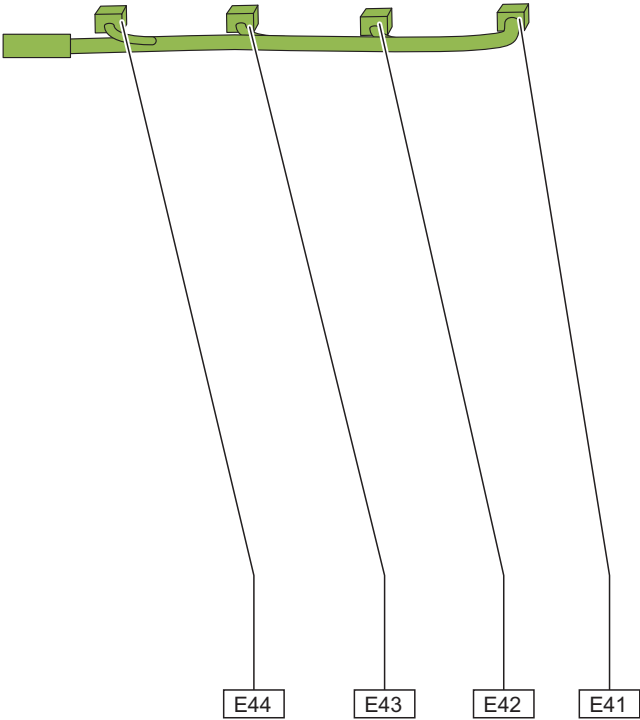
Instrument Panel Wiring Harness Connector (P) Definition List

Connector Name	Definition
Instrument Panel Fuse Box	P01
SOS Speaker	P02
Data Link Connector	P03
Speaker 2 (Left Front Door)	P04
Instrument Panel Switch Box	P05
Instrument Cluster CAN Short Circuiter 2	P06
Instrument Cluster CAN Short Circuiter 1	P07
Combination Lamp Switch	P08
Rotary Connector (Multi-functional Switch, High-configuration)	P09
Rotary Connector (Driver Airbag, High-configuration)	P10
Combination Switch - Wiper	P11
Rotation Angle Sensor	P12
Instrument Cluster Head Unit Controller	P13
Atmosphere Lamp - Instrument Cluster Left	P14
Center Speaker	P15
TBOX	P16
Gateway	P17
ENGINE START STOP Switch	P18
Central Control Display	P19
Front Display	P20
Emergency Alarm Switch	P21
Drive Recorder	P22
Data Reading	P23
Power Outlet	P24
Airbag Control Unit A	P25
Front USB2 (Fast Charging)	P26
Entertainment and Audio Head Unit - A Black	P27
Entertainment and Audio Head Unit - B Gray	P28
Head Unit to Instrument Cluster Screen (Purple)	P29
Head Unit to Panoramic Four-Way Coaxial (Black)	P30
Head Unit to Front Display (White)	P31
USB for User (Brown)	P32
USB for Instrument Cluster (Black)	P33
USB for Drive Recorder (Green)	P34
Front A/C Mode Servo Motor	P35
Front A/C Passenger Side Air Mix Servo Motor	P36
Front A/C Speed Regulation Module	P37

Connector Name	Definition
Front A/C Evaporator Surface Temperature Sensor	P38
Automatic A/C Controller 2	P39
Automatic A/C Controller 1	P40
Front Passenger Airbag	P41
Front A/C Inner and Outer Recirculation Servo Motor	P42
Front A/C Blower	P43
Atmosphere Lamp - Instrument Cluster Right	P44
Speaker 2 (Right Front Door)	P45
Head Unit to GPS Feeder (Gray)	P46
IBCM-J2	P47
IBCM-J7	P48
IBCM-J1	P49
To Instrument Cluster Display USB	P50
To Instrument Cluster Display LVDS (Purple)	P51
To Instrument Cluster Display Streaming Camera (Blue)	P52
Front A/C Driver Side Air Mix Servo Motor	P53
Room Temperature Sensor	P54
Wireless Charging	P60
Electronic Shift Control Assembly	P61
Atmosphere Light - Central Box 1	P62
AUTOHOLD and EPB Switch	P63
Central Box Switch Box a	P64
Central Box Switch Box b Russia (LV3, LV4), G.C.C. (L3, L4, L4.3, L4.5-ECALL, L3.1, L4.1, L4.4, L3.2, L4.2)	P65
Front Antenna	P66

Engine Wiring Harness Connector (E--)





C6901016

Engine Wiring Harness Connector (E) Definition List

Connector Name	Definition
ECU-A	E01
Electronic Shift Actuator	E05
Fuel Rail Pressure Sensor	E06
Electronic Thermostat	E08
Linear Oxygen Sensor	E09
Coolant Temperature Sensor	E10
Switch Oxygen Sensor	E11
TCU	E12
Electronic Throttle Valve	E13
Starting Motor	E14
Starting Motor Clutch	E15
Alternator 1	E16
EPS Signal	E17
EPS Power Supply	E18
Boost Pressure/Temperature Sensor	E19
Knock Sensor	E20
Variable Displacement Oil Pump	E21
Crankshaft Position Sensor	E22
Alternator 2	E23
Desorption Pressure Sensor	E24
Ignition Coil -1	E25
Ignition Coil -2	E26
Ignition Coil -3	E27
Ignition Coil -4	E28
High Pressure Oil Pump	E29
Boost Pressure/Temperature Sensor Intercooling	E30
Air Intake Pressure Discharge Valve	E31
Carbon Canister Control Valve	E32
Exhaust Camshaft Sensor	E33
Intake Camshaft Sensor	E34
Intake OCV	E35
Exhaust OCV	E36
Electric Wiring Harness Conduit	E37
Exhaust Bypass Actuator	E38
Compressor Clutch	E39
Oil Pressure Alarm Assembly	E40
Fuel Injector 1	E41

Connector Name	Definition
Fuel Injector 2	E42
Fuel Injector 3	E43
Fuel Injector 4	E44

Chassis Wiring Harness Connector (S--)

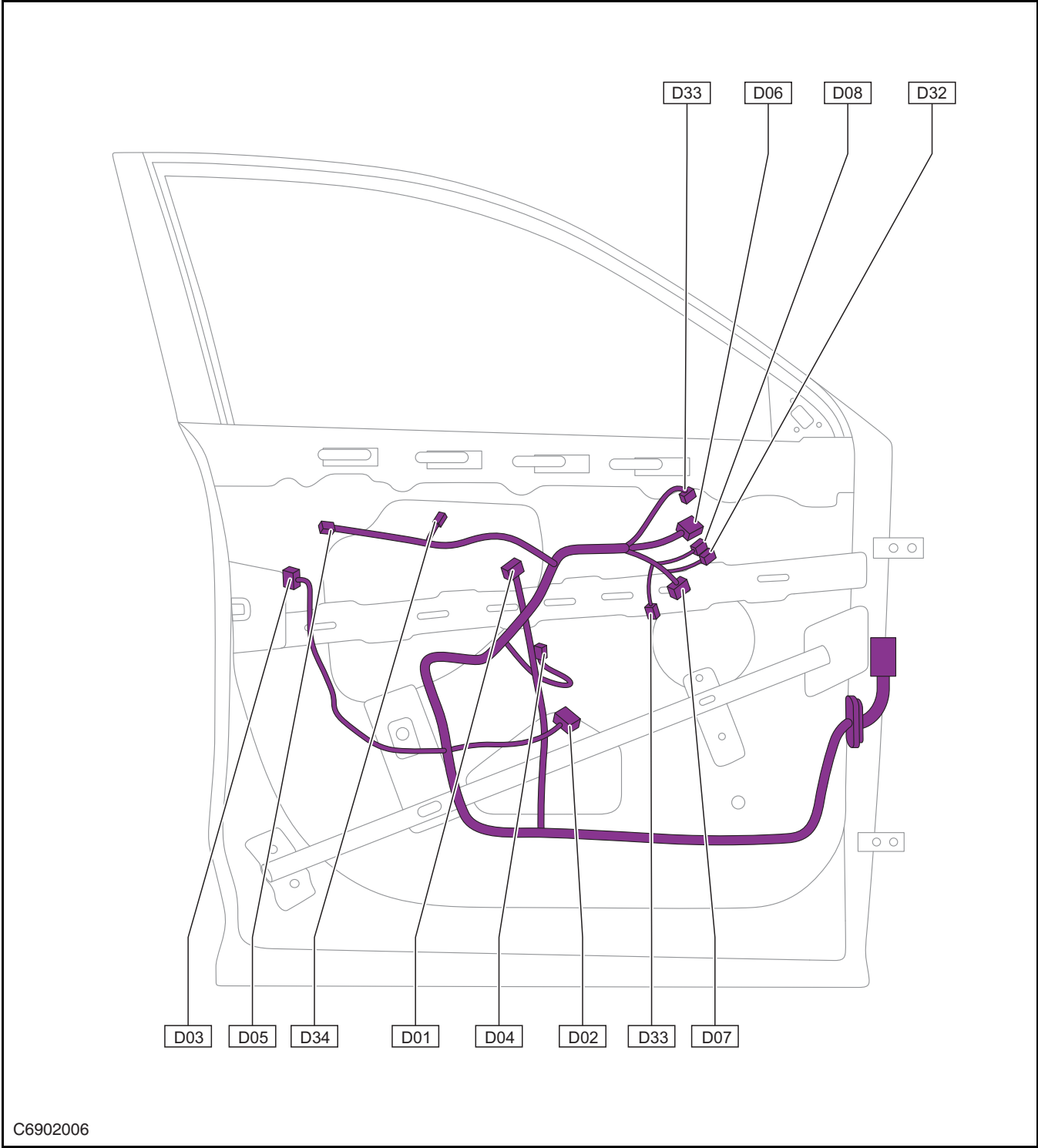


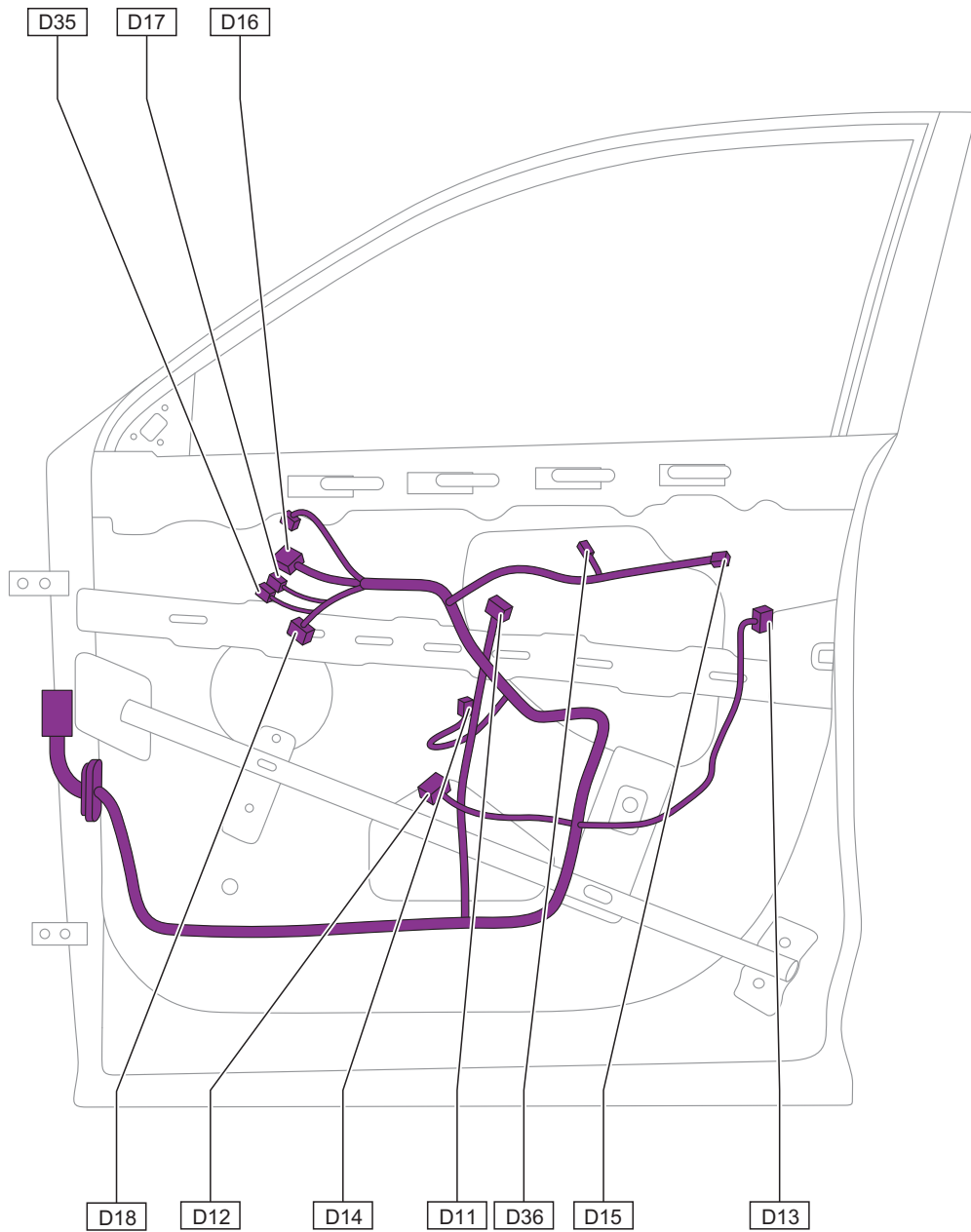
Chassis Wiring Harness Connector (S) Definition List

Connector Name	Definition
Airbag Control Unit B	S01
Front Passenger Seat Sensor	S02
Front Passenger Side Airbag	S03
Front Passenger Seat Heating Controller	S04
Front Passenger Seat Belt Switch	S05
Reversing Radar Controller	S06
2nd Row USB1	S07
Rear Seat Heater Switch	S08
Driver Seat Belt Switch	S09
Driver Side Airbag	S10
Headrest Speaker	S11
Driver Seat Heating Controller (Medium-configuration)	S12
Seat Memory Controller (High-configuration)	S13
External Power Amplifier A (High-configuration)	S14
External Power Amplifier B (High-configuration)	S15
Driver Side Collision Sensor	S16
4WD Controller (High-configuration)	S17
Left Front Door Contact Switch	S18
Fuel Pump (D20T)	S19
4WD Torque Sensor	S20
Fuel Tank Pressure Sensor (D20T)	S21
Carbon Canister Stop Valve	S22
Middle Antenna	S23
Left Rear Door Contact Switch	S25
Back Door Controller 2	S26
Back Door Controller 1	S27
Luggage Compartment Lamp	S28
Electric Stay Bar - Left	S29
Subwoofer	S30
Fuel Tank Cap Motor	S31
A Tail Lamp - Left	S32
Left Curtain Shield Airbag	S33
Left Rear Surround Speaker	S34
A Tail Lamp - Right	S35
Right Rear Surround Speaker	S36
Radio Frequency Receiver	S37
Right Curtain Shield Airbag	S38

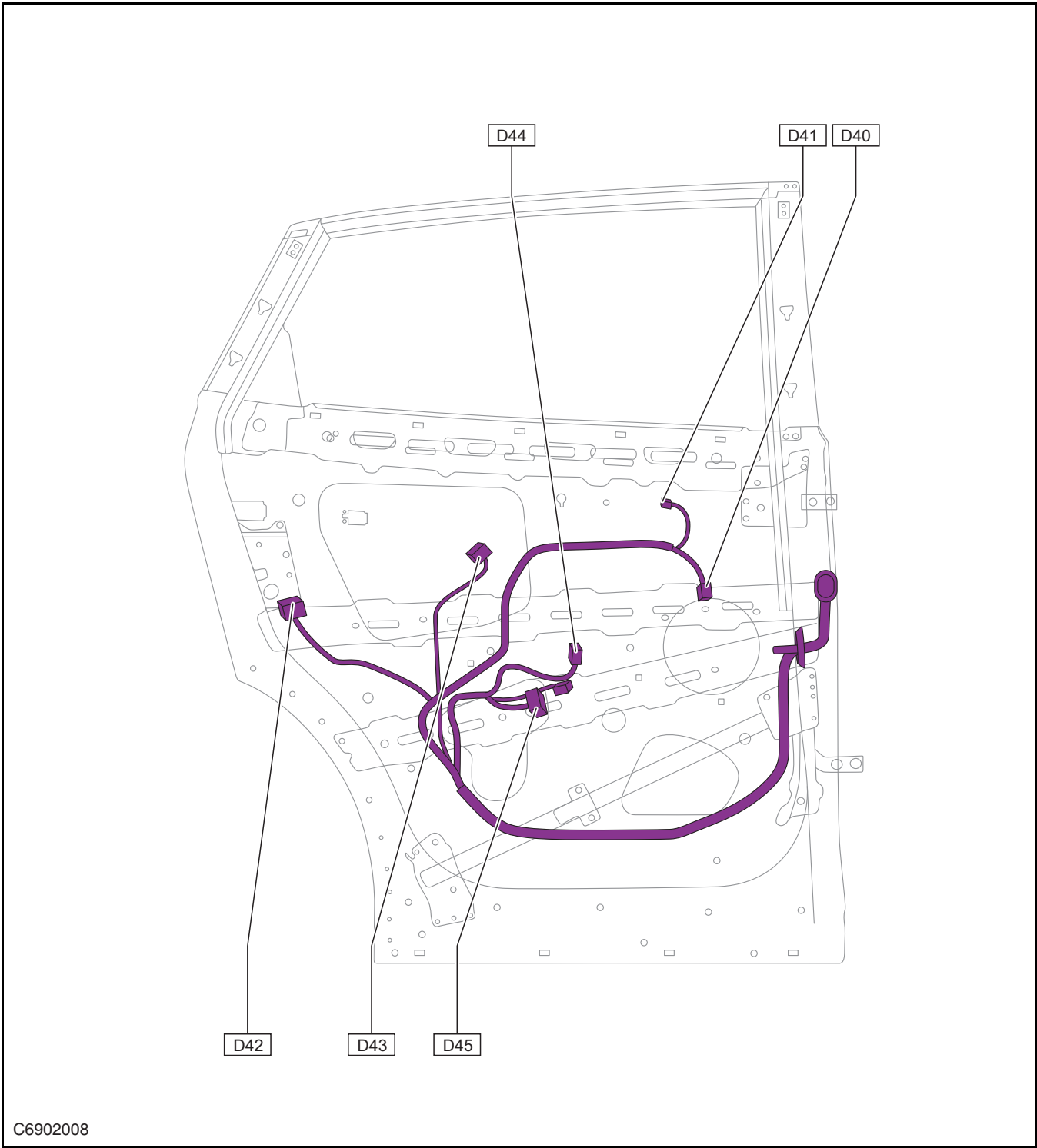
Connector Name	Definition
Right Rear Door Contact Switch	S39
Rear Seat Heating Controller (Russia)	S40
Right Front Door Contact Switch	S42
Front Passenger Side Collision Sensor	S43

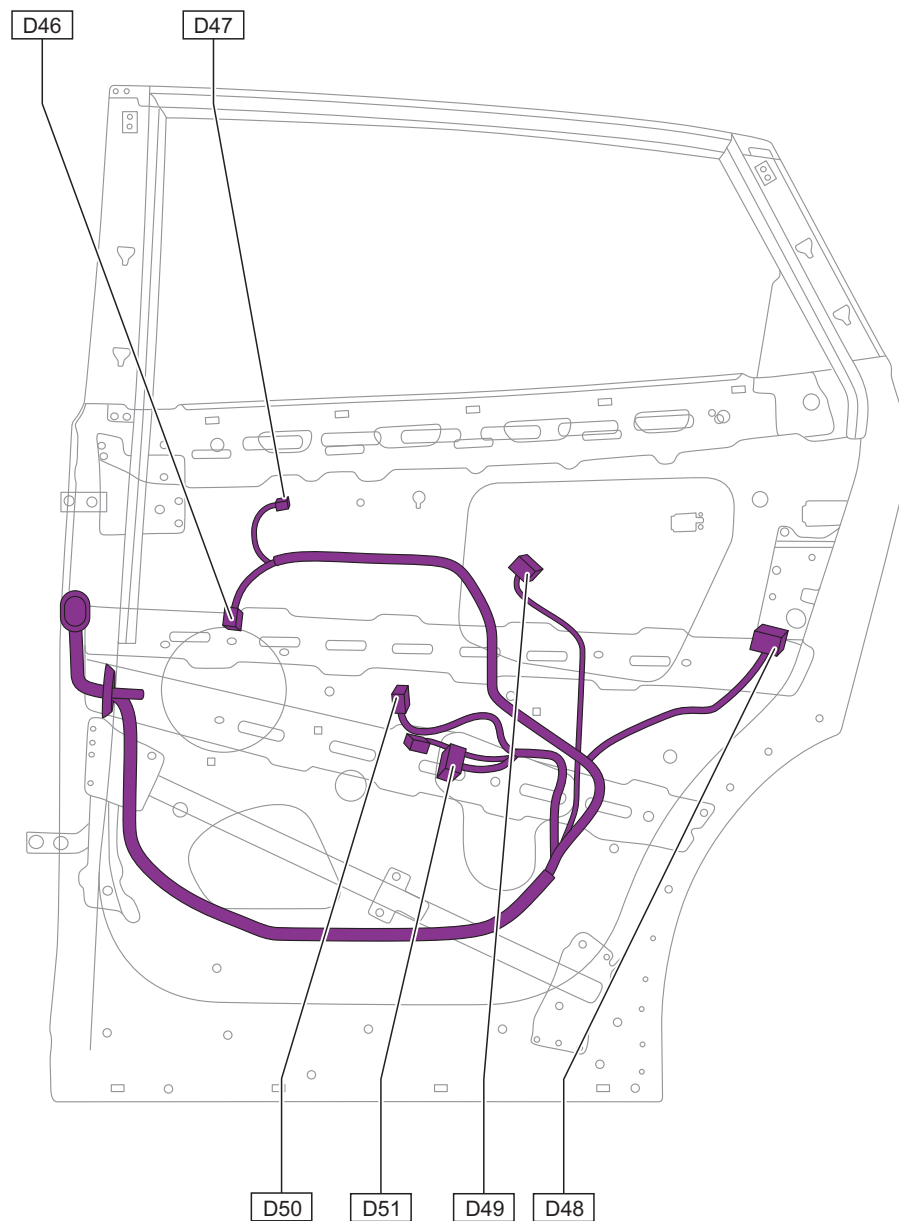
Door Wiring Harness Connector (D--)



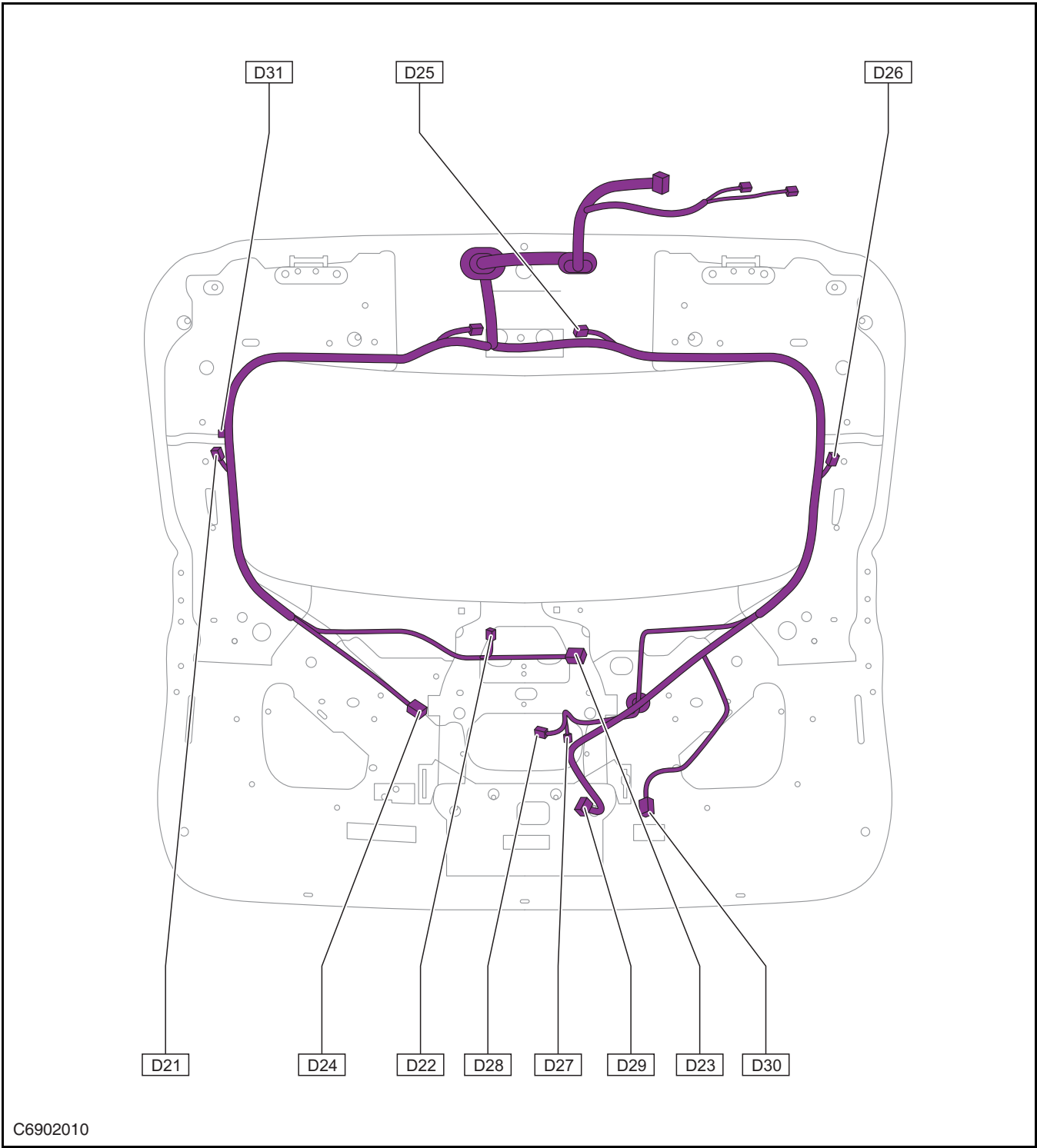


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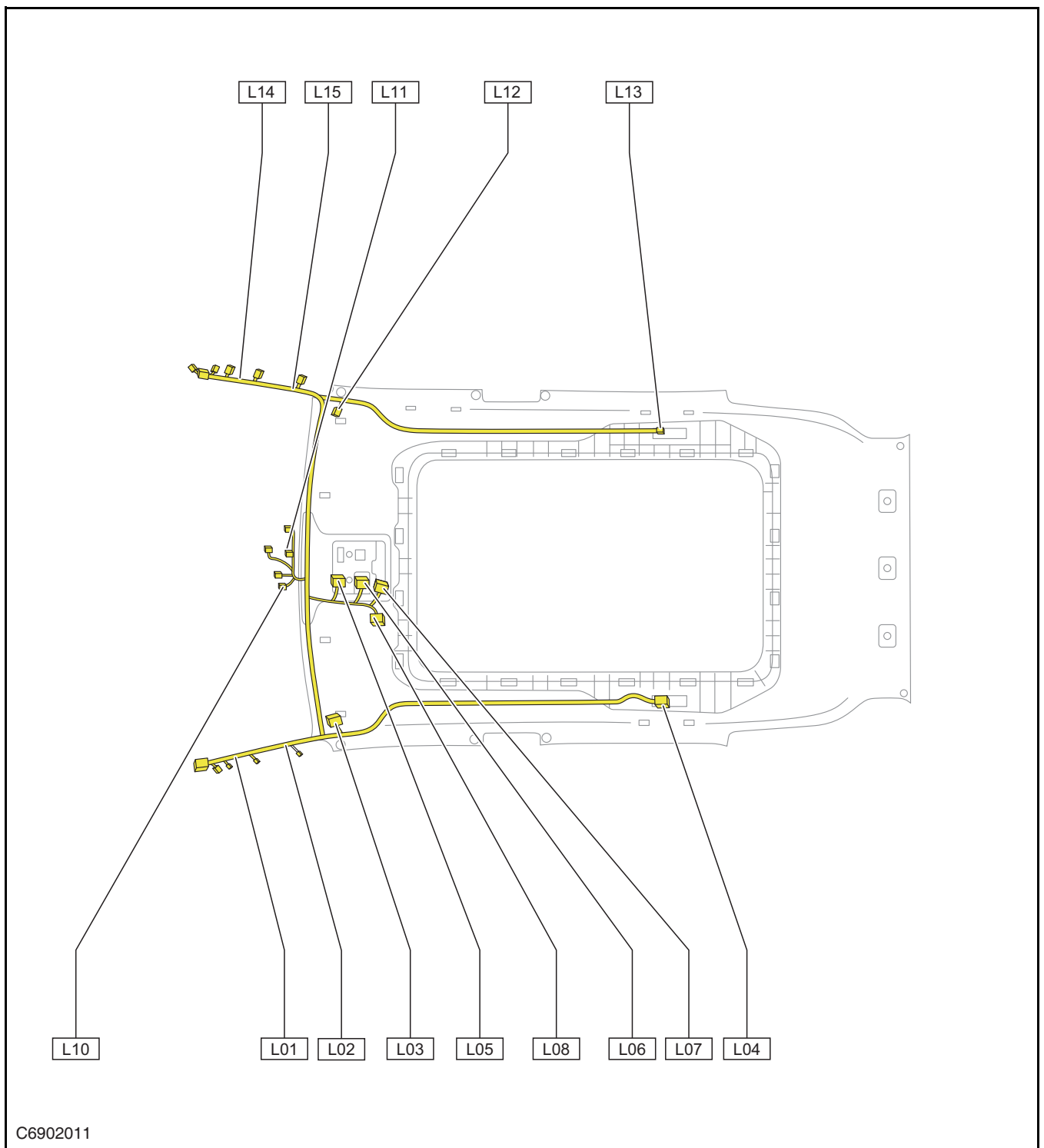
C6902010

Door Wiring Harness Connector (D) Definition List

Connector Name	Definition
Left Front Door Concealed Handle Switch	D01
Window Motor 1 (Left Front Door)	D02
Door Lock Motor (Left Front Door)	D03
Window Switch - Main (Four Doors Anti-pinch)	D04
Left Side Antenna	D05
Rearview Mirror (Left Front Door)	D06
Speaker 1 (Left Front Door)	D07
Left Camera	D08
Right Front Door Concealed Handle Switch	D11
Window Motor - Right Front Door (Anti-pinch)	D12
Door Lock Motor (Right Front Door)	D13
Window Switch - Sub (Anti-pinch)	D14
Right Side Antenna	D15
Rearview Mirror (Right Front Door)	D16
Right Camera	D17
Speaker 1 (Right Front Door)	D18
Rear Defroster Negative	D21
Rear Wiper Motor	D22
B Tail Lamp - Left	D23
Buzzer - Back Door	D24
High Mounted Brake Lamp	D25
Rear Defroster Positive	D26
Rear Camera Green	D27
License Plate Lamp - Left	D28
Back Door Close Switch	D29
Door Lock Motor - Back Door (High-configuration 1)	D30
Rear Streaming Camera (G.C.C.)	D31
Panoramic View Monitor - Left (G.C.C.)	D32
Seat Memory Switch (G.C.C.)	D33
Atmosphere Lamp 1 - Left Front Door (G.C.C.)	D34
Panoramic View Monitor - Right (G.C.C.)	D35
Atmosphere Lamp 1 - Right Front Door (G.C.C.)	D36
Left Rear Door Woofer	D40
Left Rear Door Tweeter	D41
Door Lock Motor (Left Rear Door)	D42
Left Rear Door Concealed Handle Switch	D43
Window Switch - Left Rear Door (Anti-pinch)	D44

Connector Name	Definition
Window Motor - Left Rear Door (Anti-pinch)	D45
Right Rear Door Woofer	D46
Right Rear Door Tweeter	D47
Door Lock Motor (Right Rear Door)	D48
Right Rear Door Concealed Handle Switch	D49
Window Switch - Right Rear (Anti-pinch)	D50
Window Motor - Right Rear Door (Anti-pinch)	D51

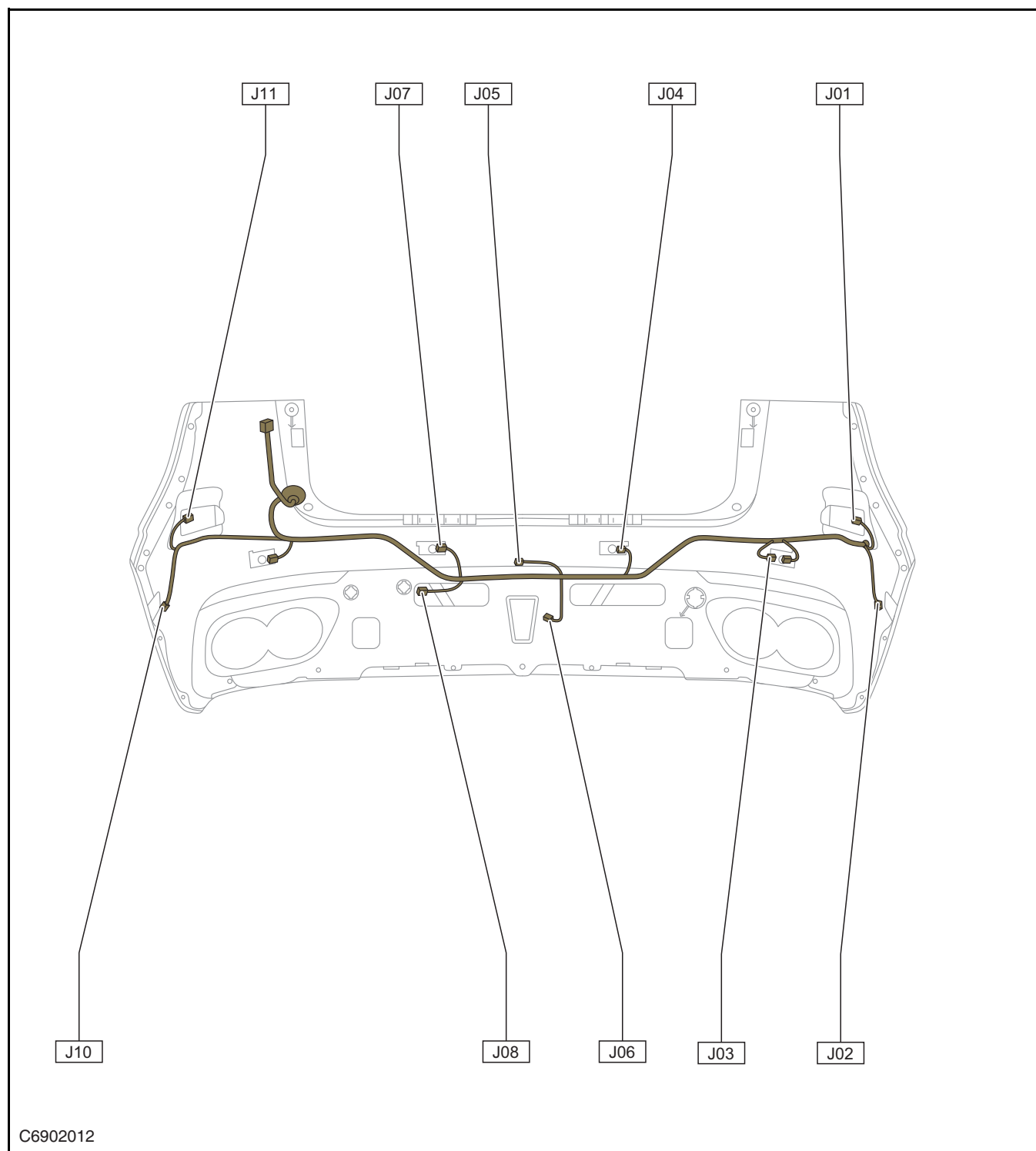
Roof Wiring Harness Connector (L--)



Roof Wiring Harness Connector (L) Definition List

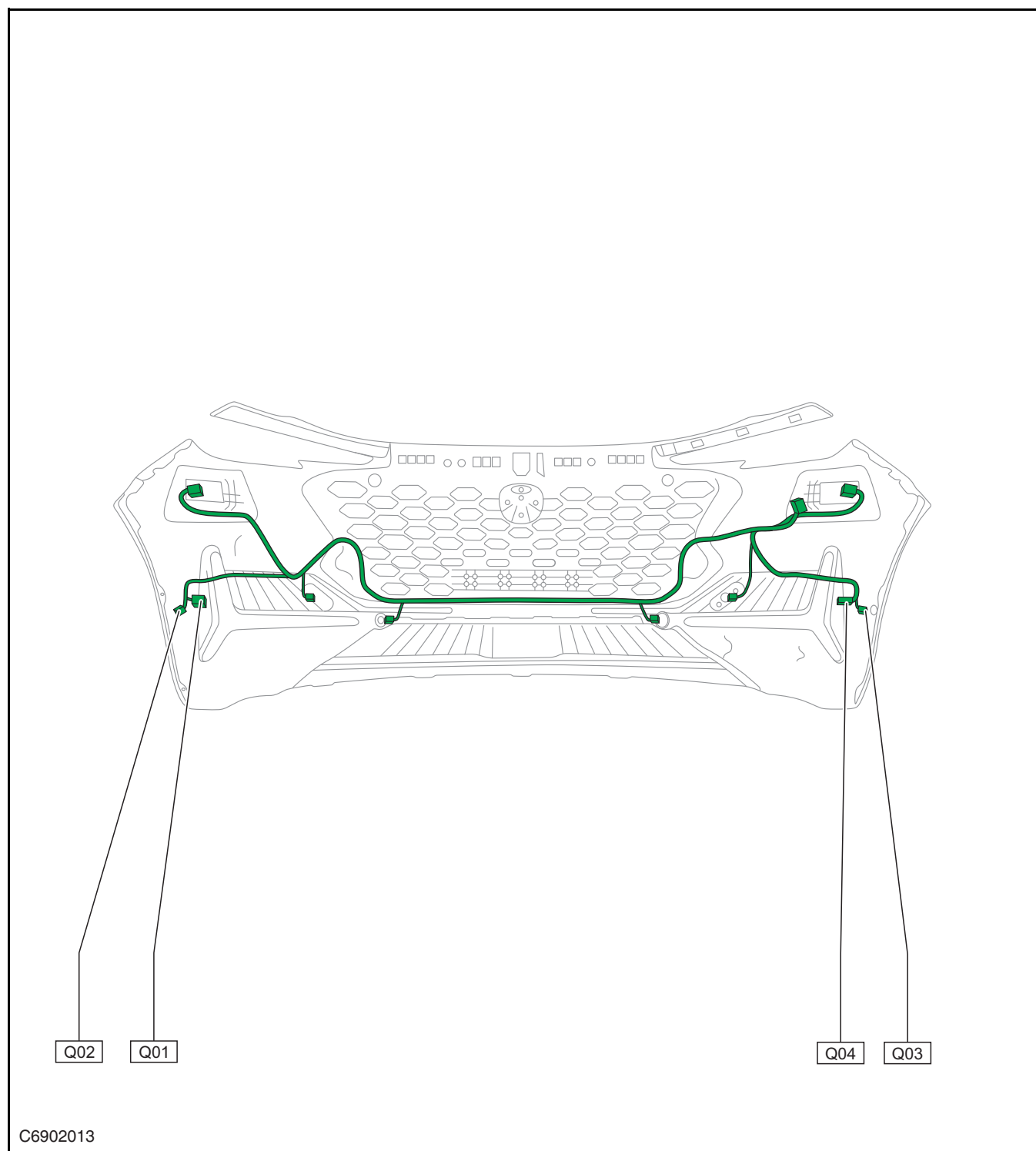
Connector Name	Definition
Front Windshield Heater-Left Positive (Russia)	L01
Front Windshield Heater-Left Negative (Russia)	L02
Vanity Lamp (Left)	L03
Middle Map Lamp-Left	L04
Microphone	L05
Front Dome Lamp + Sunroof	L06
SOS Switch	L07
Sunroof Controller (Panoramic)	L08
Rain/Ambient Light Sensor	L09
GPS Feeder Gray	L10
Lane Departure Controller A	L11
Vanity Lamp (Right)	L12
Middle Map Lamp-Right	L13
Front Windshield Heater-Right Negative (Russia)	L14
Front Windshield Heater-Right Positive (Russia)	L15

Rear Bumper Wiring Harness Connector (J--)



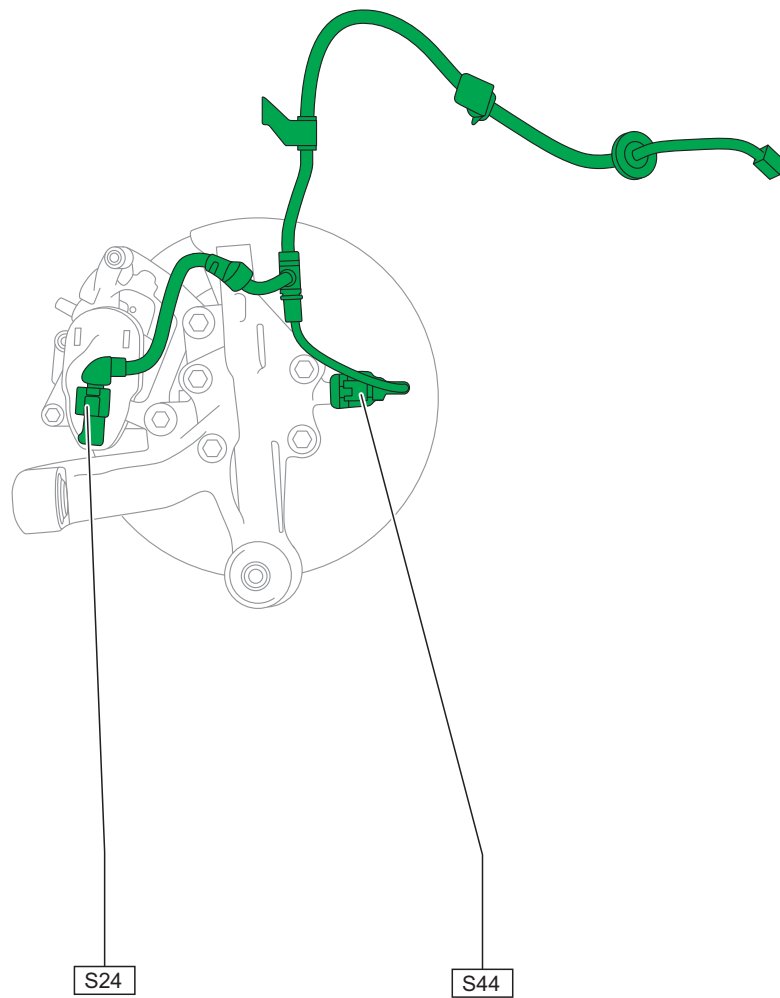
Rear Bumper Wiring Harness Connector (J) Definition List

Connector Name	Definition
Blind Spot Monitoring Controller (Left)	J01
Reversing Radar Sensor - Left Rear	J02
Back-up Lamp (Left)	J03
Reversing Radar Sensor - Left Rear Center	J04
Inside Rear Antenna	J05
Rear Fog Lamp	J06
Reversing Radar Sensor - Right Rear Center	J07
Kick Sensor	J08
Back-up Lamp (Right)	J09
Reversing Radar Sensor - Right Rear	J10
Blind Spot Monitoring Controller (Right)	J11

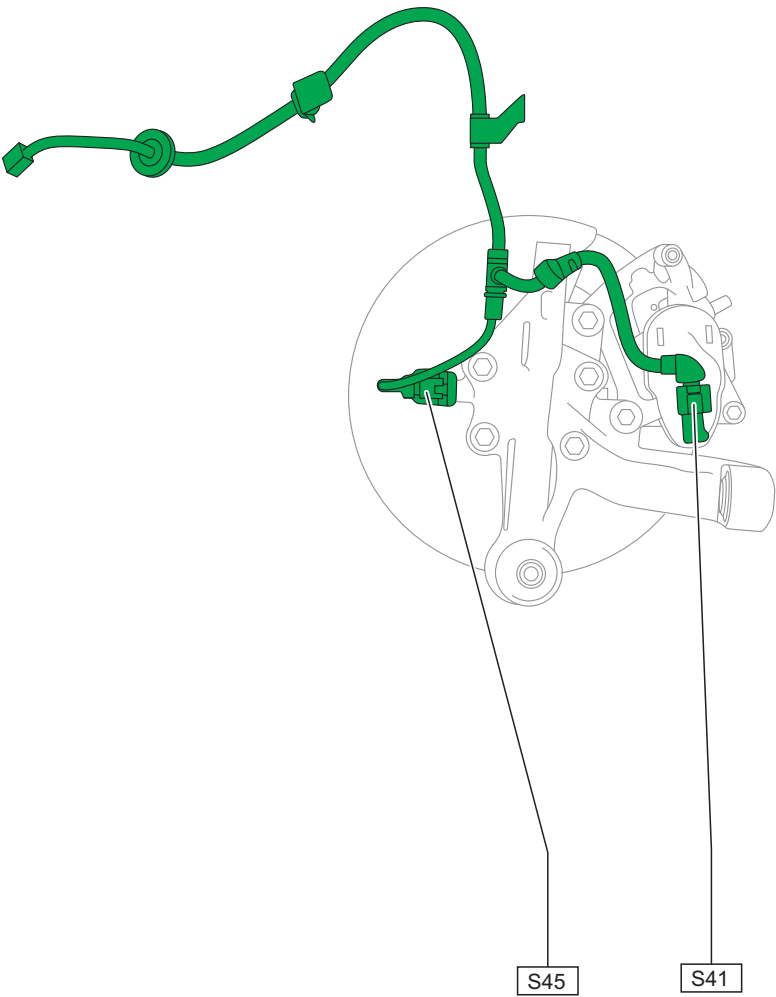
Front Bumper Wiring Harness Connector (Q--)

Front Bumper Wiring Harness Connector (Q) Definition List

Connector Name	Definition
Front Combination Lamp (Left)	Q01
Front Radar (Left)	Q02
Front Radar (Right)	Q03
Front Combination Lamp (Right)	Q04

Electronic Parking Brake Wiring Harness Connector (S--)

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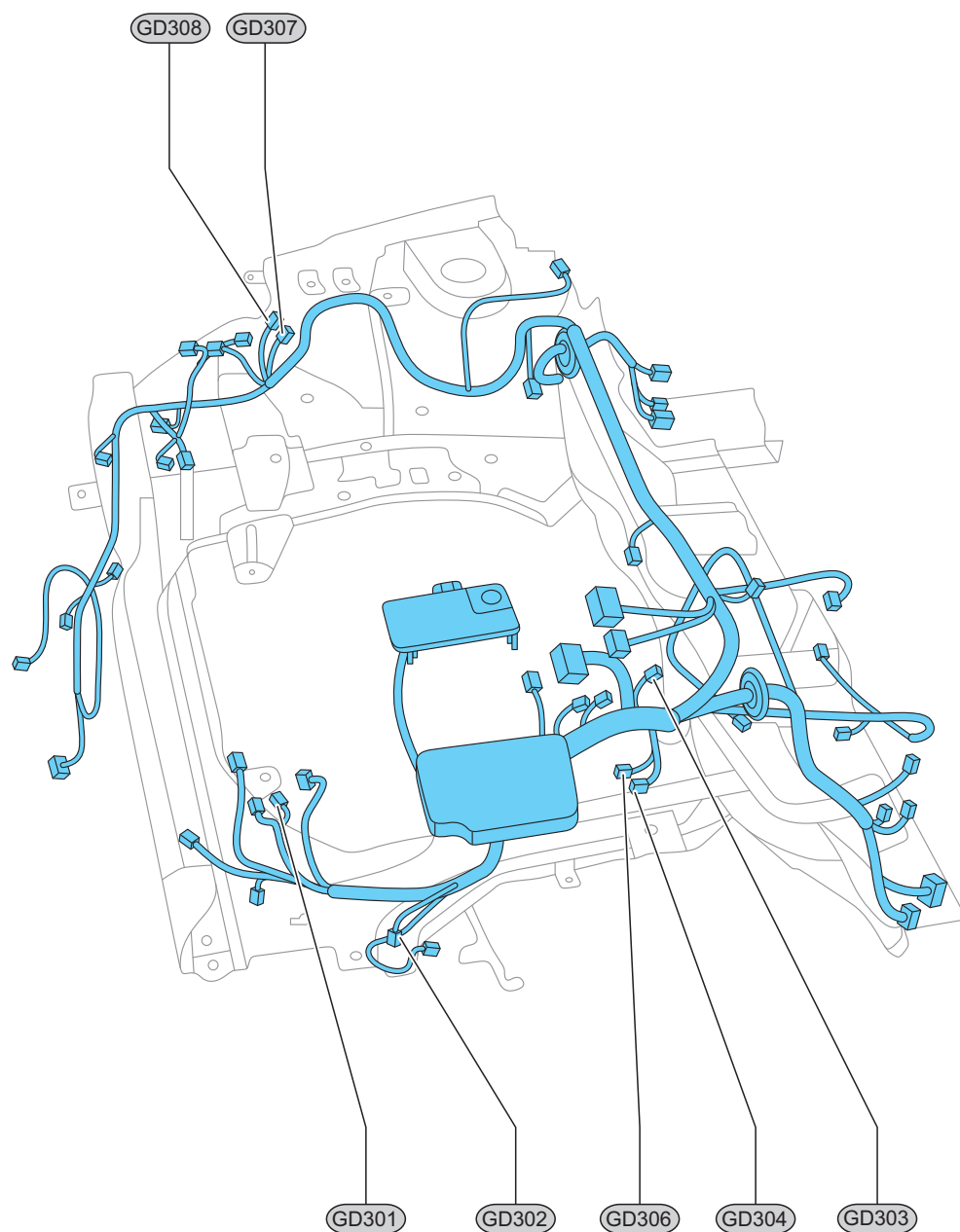


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Electronic Parking Brake Wiring Harness Connector (S) Definition List

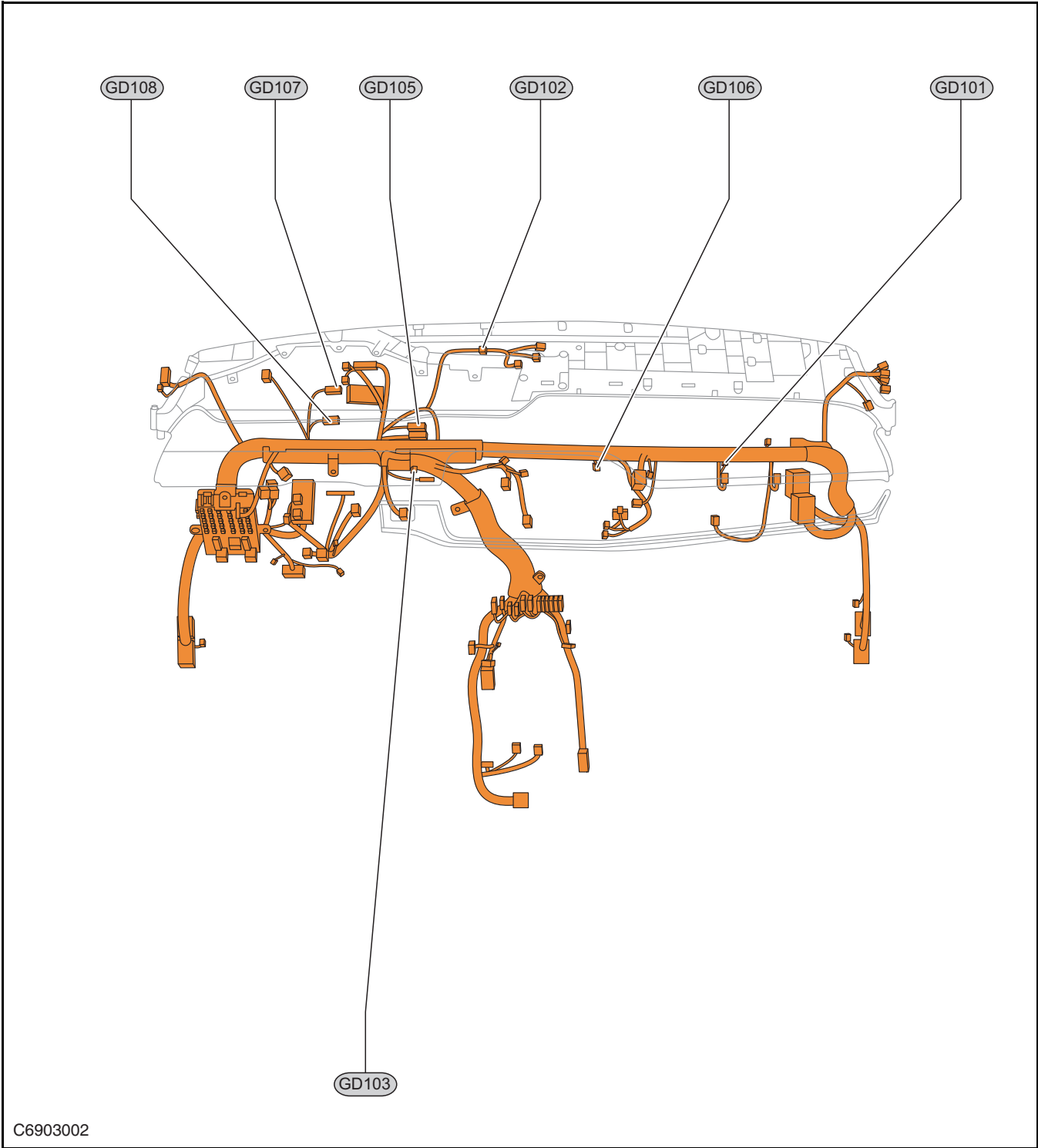
Connector Name	Definition
Left EPB Actuator Motor	S24
Right EPB Actuator Motor	S41
Wheel Speed Sensor - Left Rear	S44
Wheel Speed Sensor - Right Rear	S45

GD301 GD302 GD303 GD304 GD306 GD307 GD308

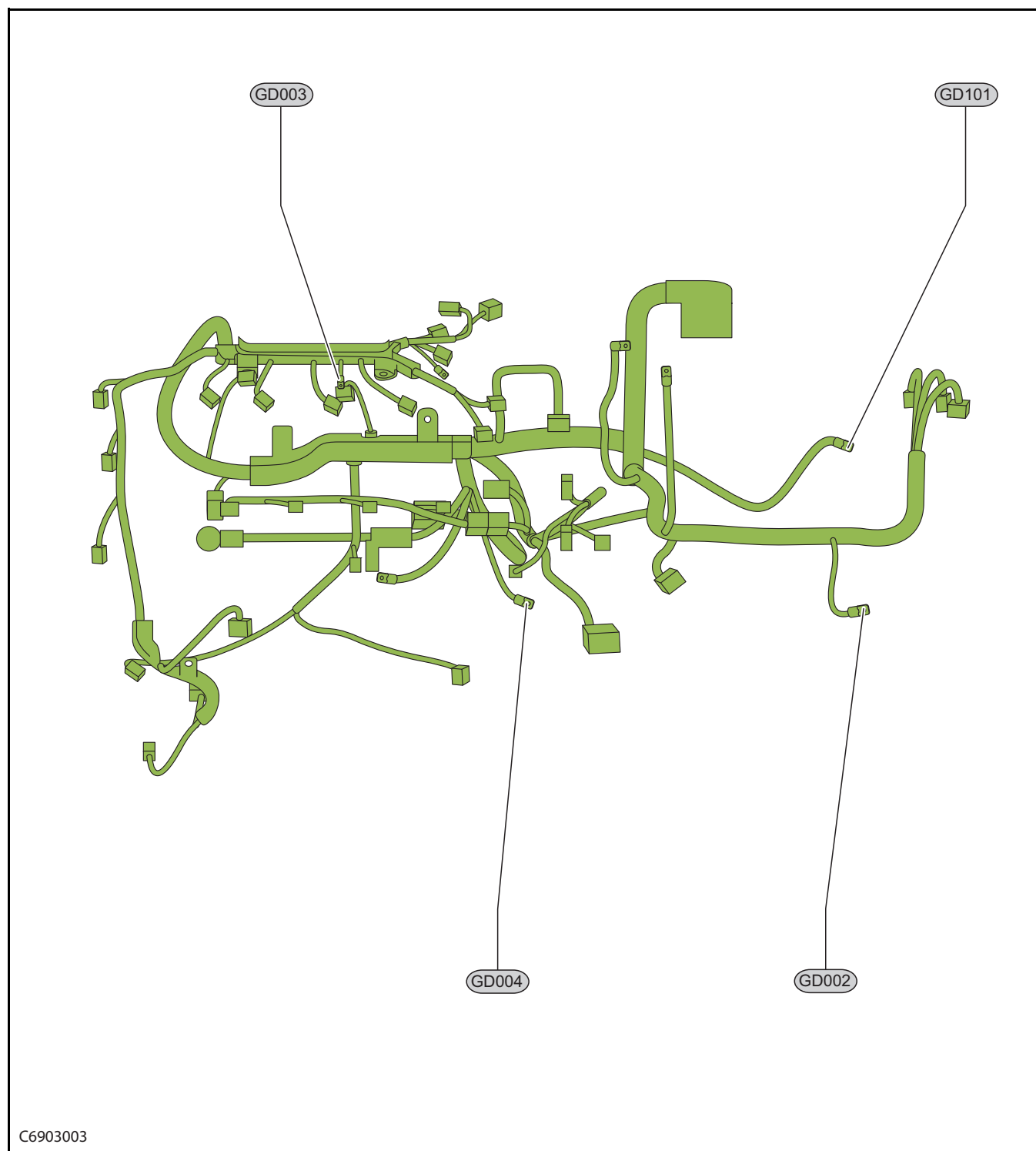


C6903001

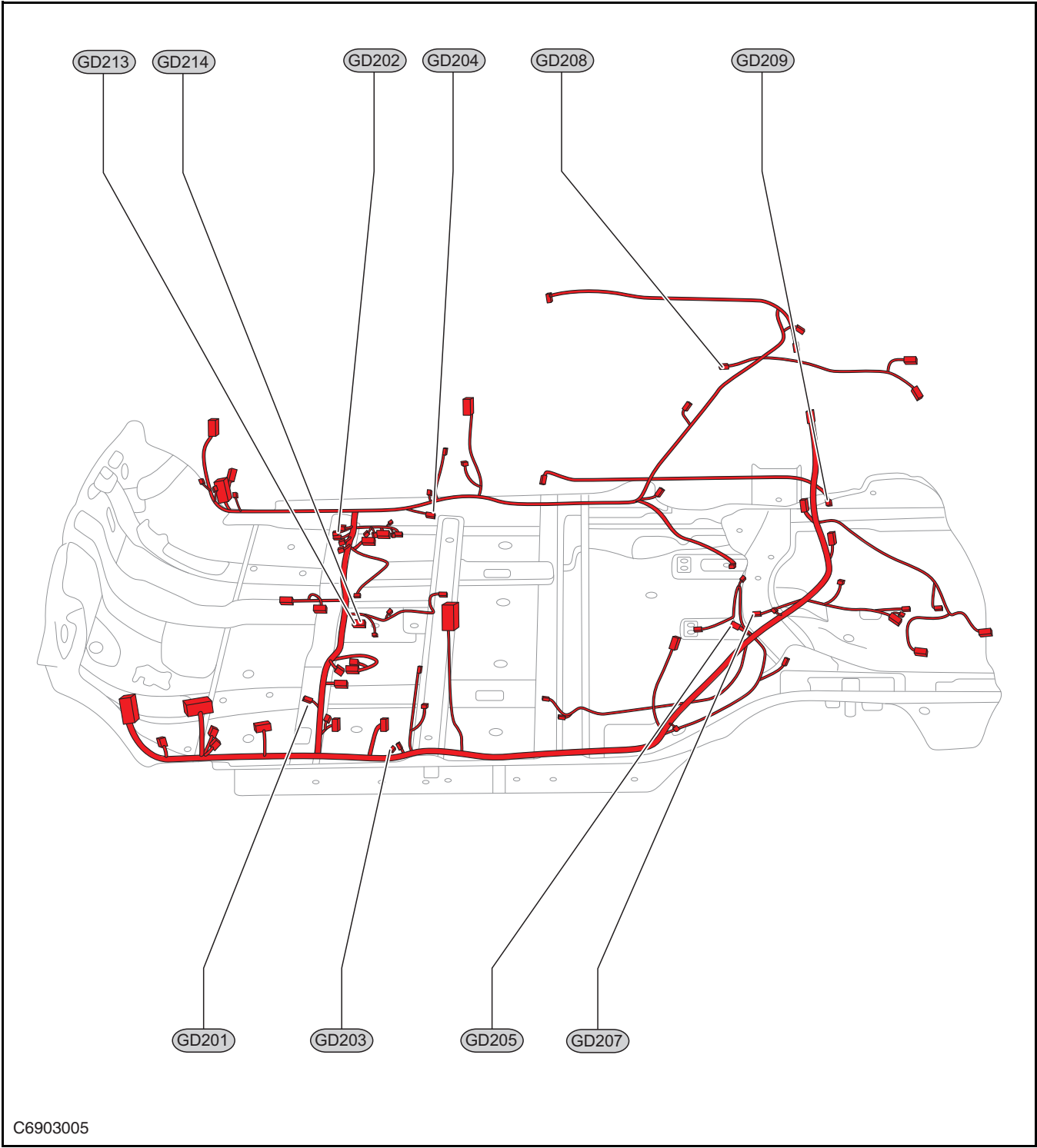
GD101 GD102 GD103 GD105 GD106 GD107 GD108



GD1001 GD1002 GD1003 GD1004



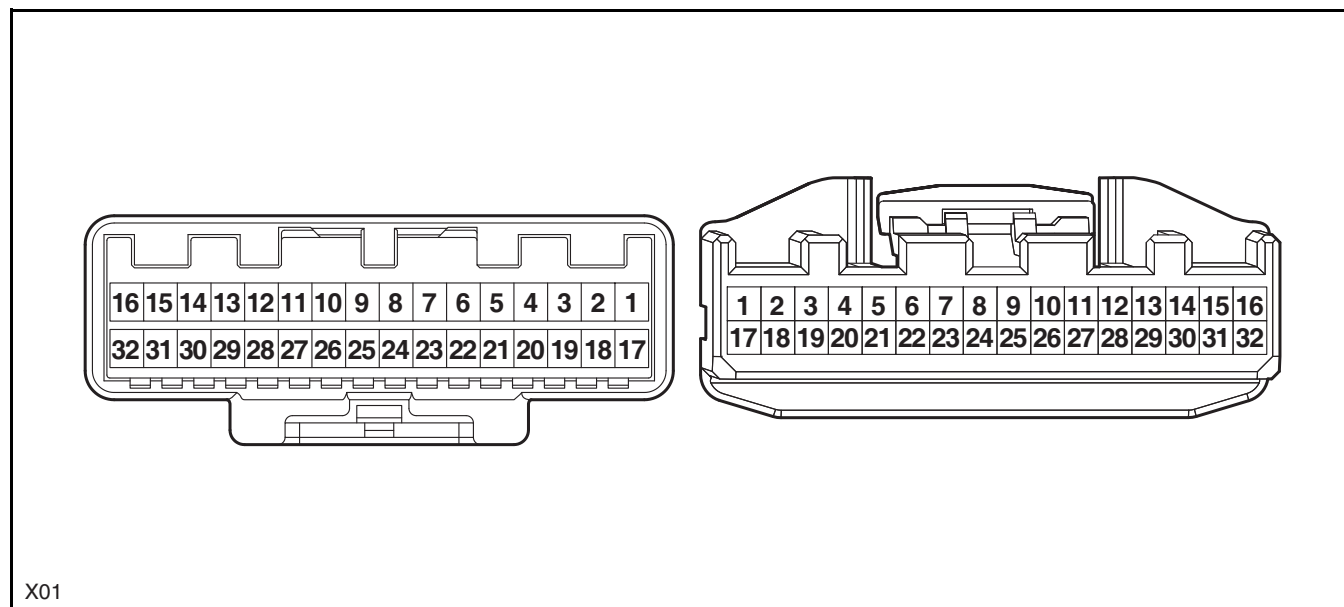
GD201 GD202 GD203 GD204 GD205 GD207 GD208 GD209 GD213 GD214



Wiring Harness to Wiring Harness Connector (X--)

Engine Compartment to Engine 1

Engine 1 to Engine Compartment



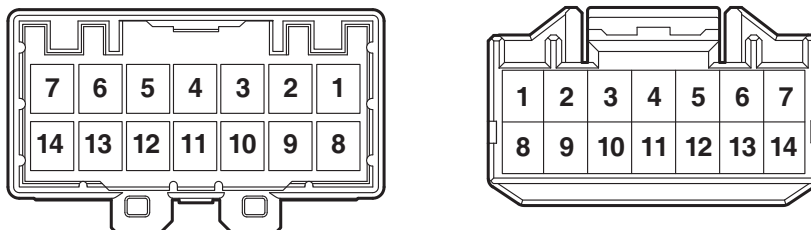
X01 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 WH/BK	Linear Oxygen IP
2	0.5 OG/BU	Linear Oxygen VM
3	0.35 RD/GN	CAN-H
4	0.5 BN	Line Oxygen Sensor
5	0.5 BU/BN	Switch Oxygen Sensor Signal
6	0.5 GY/GN	Switch Oxygen Sensor Grounding
7	0.5 OG/BK	Switch Oxygen Heater
8	0.5 BN/YE	Electronic Thermostat Signal
9	0.5 BU/GN	Canister Control Valve Signal
10	0.5 YE/BK	Central Electromagnet Signal (Exhaust)
11	0.5 YE/WH	Central Electromagnet Signal (Intake)
12	0.5 PK/BU	Oil Pump Signal
13	0.35 GN/BK	CAN-L
14	0.35 PK	CAN-L
15	-	-
16	-	-
17	0.5 LG	Fuel Tank Pressure Sensor Signal
18	0.5 VT/WH	Fuel Tank Pressure Sensor Grounding
19	0.5 GN/RD	Fuel Tank Pressure Sensor Power Supply
20	-	-
21	-	-

Pin No.	Wire Diameter/Color	Function
22	-	-
23	-	-
24	0.35 LG	P/N Position Switch Signal
25	-	-
26	-	-
27	0.5 BU/BN	IG1
28	0.35 WH	Reverse Switch Signal
29	0.35 GN	CAN-H
30	0.35 GN/RD	Shift Mechanism Grounding
31	0.35 BU/RD	Shift Mechanism Position Feedback Signal
32	0.35 WH/RD	Shift Mechanism 5V Power Supply

Engine Compartment to Engine 2

Engine 2 to Engine Compartment



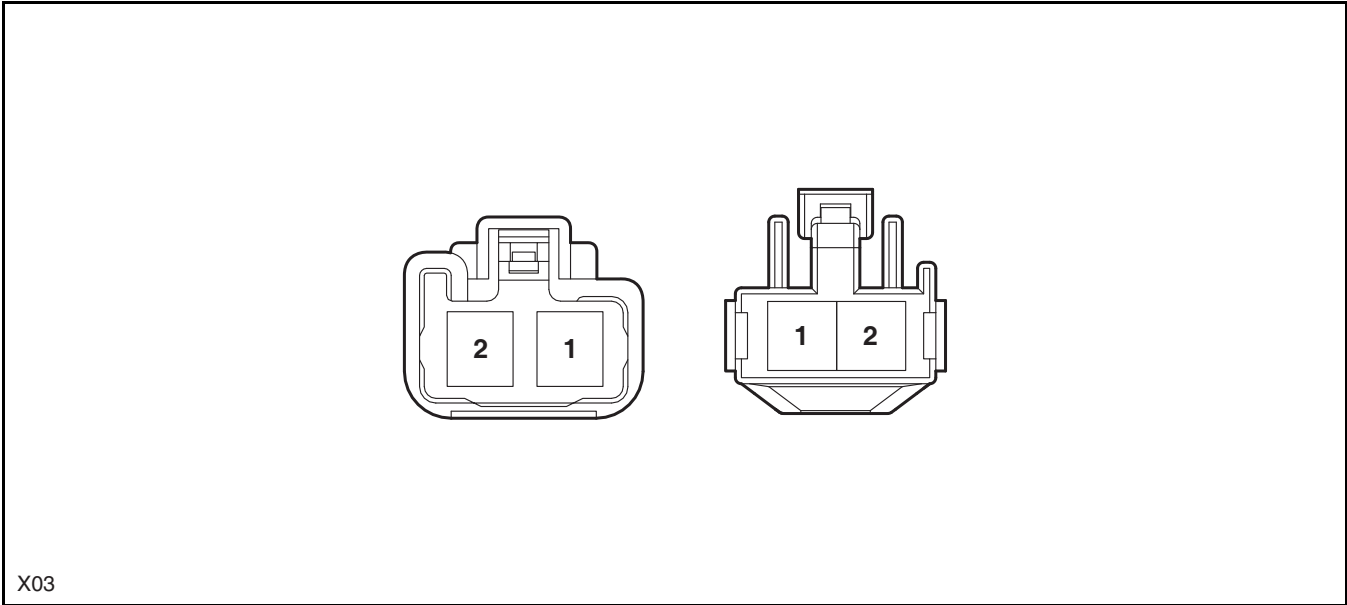
X02

X02 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 VT/GN	LIN Bus
2	0.75 RD/WH	Compressor Power Supply
3	1 RD/GN	TCU Power Supply
4	1.5 WH/BK	Main Relay Power Supply
5	0.75 VT	Liner Oxygen Heater
6	0.5 WH	Differential Pressure Sensor Power Supply
7	0.5 YE	Differential Pressure Sensor Grounding
8	0.5 BU	Air Intake Pressure Discharge Control Valve Signal
9	0.5 GN	Differential Pressure Sensor P2 Output Signal
10	0.5 OG	Differential Pressure Sensor P1 Output Signal
11	1 WH	Main Relay Power Supply
12	-	-
13	1 GN	Shift Mechanism Motor -
14	1 BU	Shift Mechanism Motor +

Engine Compartment to Engine 3

Engine 3 to Engine Compartment

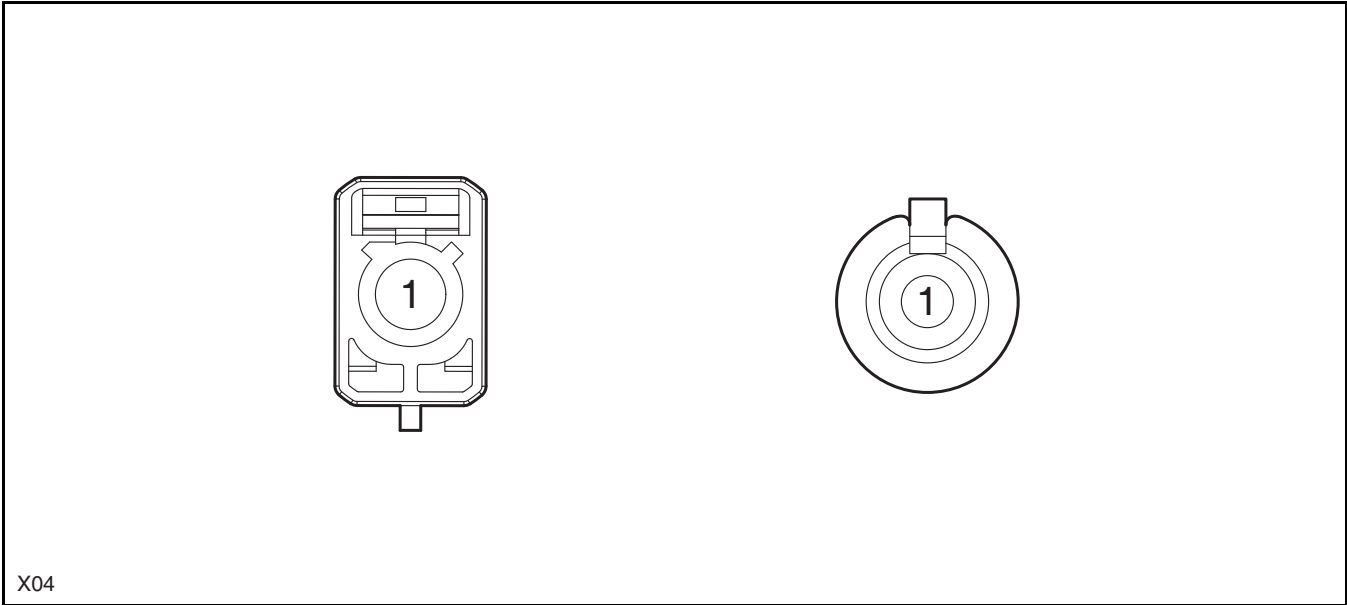


X03 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	2.5 RD/BU	Power Supply

Engine Compartment to Instrument Panel (Front Camera)

Instrument Panel to Engine Compartment (Front Camera)

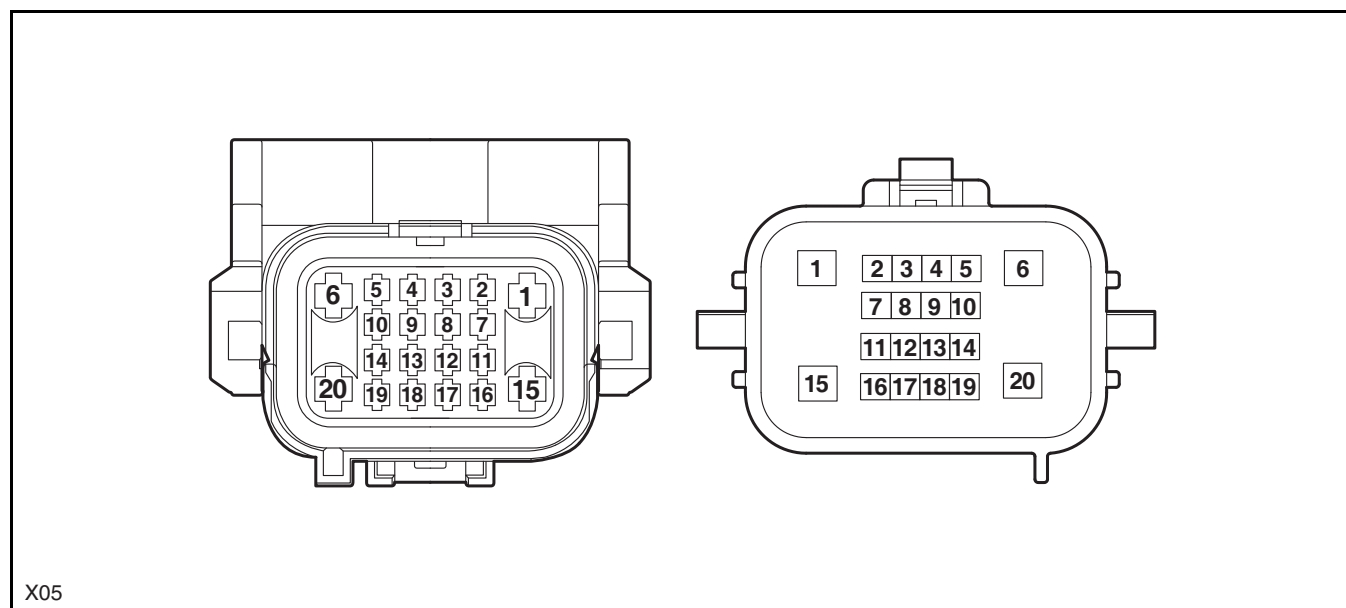


X04 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	Front Video Signal

Engine Compartment to Front Bumper (1)

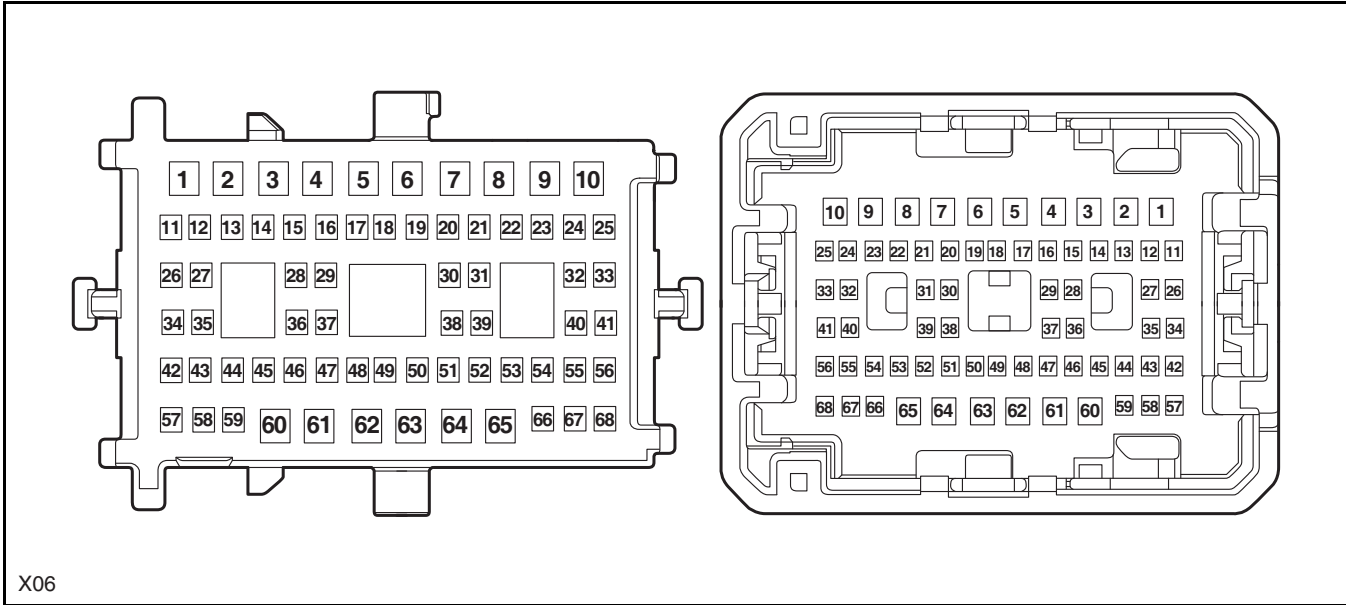
Front Bumper to Engine Compartment (1)

**X05 Wiring Harness Connector Pin Definition**

Pin No.	Wire Diameter/Color	Function
1	0.5 BU	Front Position Lamp and License Plate Lamp 5V Power Supply
2	-	-
3	-	-
4	-	-
5	0.5 BK	Front Position Lamp and License Plate Lamp 5V Grounding
6	-	-
7	0.35 OG	Left Front Radar Signal
8	-	-
9	-	-
10	0.35 BU/BK	Right Front Radar Signal
11	-	-
12	-	-
13	0.35 RD/BU	Left Front Radar Power Supply
14	0.35 WH/BK	Left Front Radar Grounding
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-

Instrument Panel to Chassis (Left 1)

Chassis to Instrument Panel (Left 1)



X06 Wiring Harness Connector Pin Definition

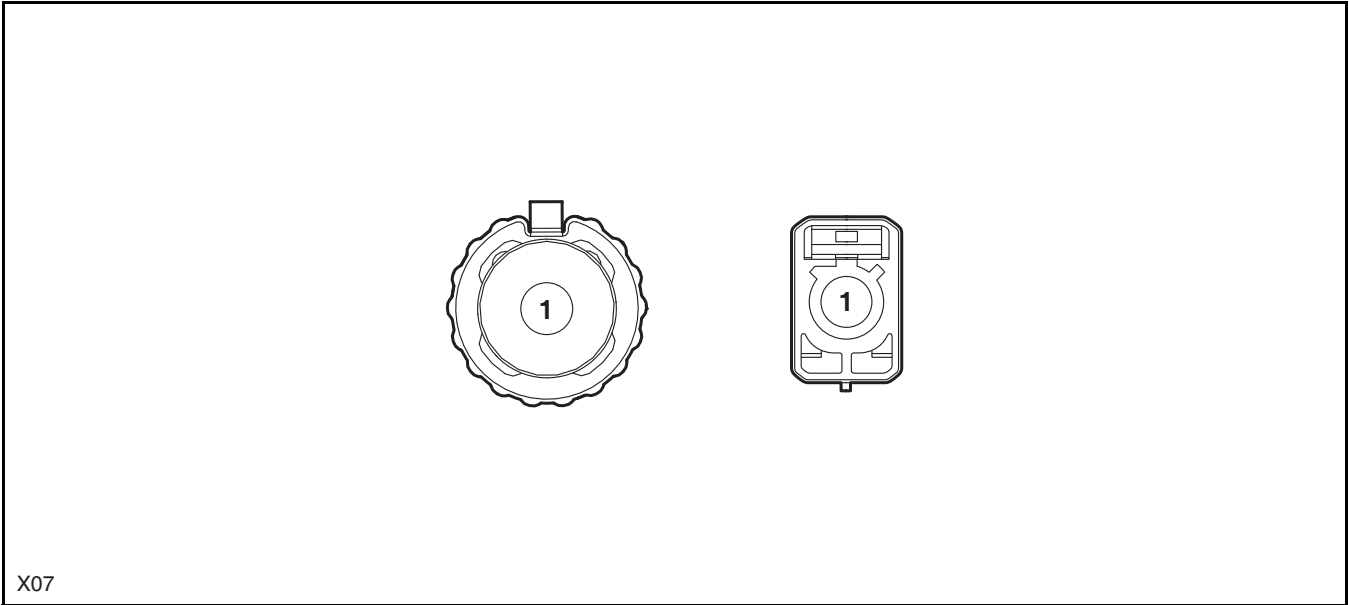
Pin No.	Wire Diameter/Color	Function
1	0.75 OG	Power Supply
2	0.5 VT/WH	ACC
3	0.5 VT/GN	Power Supply
4	0.5 BN	License Plate Lamp Power Supply
5	1 GY	Motor Positive
6	1 WH	Motor Negative
7	-	-
8	-	-
9	-	-
10	-	-
11	0.35 PK	Right Rearview Mirror Up-Down Position Sensor
12	0.5 OG	Power Supply
13	0.35 WH/BU	High Mounted Brake Lamp Power Supply
14	0.35 RD/GN	Luggage Compartment Door Release Switch
15	0.5 VR/GN	Public Terminal
16	0.5 GN/OG	Capacity Switch +
17	0.35 PK/GN	Left Rearview Mirror Left-Right Output
18	0.35 PK/BK	Left Rearview Mirror Up-Down Output
19	0.35 YE/RD	Fuel Sensor Grounding Sensor Grounding
20	0.35 BN/WH	Fuel Level Signal
21	-	-
22	-	-

Pin No.	Wire Diameter/Color	Function
23	0.35 OG/WH	Central Lock Signal (Unlock)
24	0.35 BU/GN	Central Lock Signal (Lock)
25	0.35 VT/GN	Atmosphere Lamp +
26	0.5 GY/BK	Motor Positive
27	0.5 YE/WH	Motor Negative
28	0.35 RD/BK	Lock Status Signal
29	0.5 VT/WH	Central Speaker -
30	0.35 GN/YE	Capacity Switch -
31	0.5 GY/RD	Central Release Lock
32	0.35 GN/BK	CAN-L
33	0.35 BU/BK	Left Side Antenna -
34	0.35 WH/GN	Microswitch 2 +
35	0.35 RD/BK	Microswitch 1 +
36	0.35 LG/BK	Door Lock Indicator Signal
37	0.5 VT	Middle Speaker +
38	0.35 PK/BU	Right Rearview Mirror Up-Down Output
39	0.35 RD/BU	Right Rearview Mirror Left-Right Output
40	0.35 GN	CAN-H
41	0.35 BN	Left Side Antenna +
42	0.35 WH/BK	Switch Signal Grounding
43	0.35 GN/OG	Middle Antenna +
44	0.35 GN/OG	Middle Antenna -
45	0.35 BU/YE	IG1
46	0.5 GN/WH	Turn Lamp Power Supply
47	-	-
48	0.5 RD	Front Door Atmosphere Lamp Power Supply
49	0.35 GN/RD	Left Blind Spot Indicator Driver Power Supply
50	-	-
51	0.35 GN/BU	Switch Signal Power Supply
52	0.35 OG/BK	Luggage Compartment Lamp Power Supply
53	-	-
54	-	-
55	0.35 GY	FORWARD Output Signal
56	0.35 BU	BACK Output Signal
57	0.35 LG	CAN-H
58	0.35 LG/BK	CAN-L
59	0.35 WH	Back Door Switch Signal
60	-	-

Pin No.	Wire Diameter/Color	Function
61	-	-
62	0.5 WH/BK	Left Front Tweeter -
63	0.5 VT/BK	Left Front Tweeter +
64	0.35 PK/BU	Microswitch 1 +
65	0.35 LG/BK	Microswitch 2 +
66	-	-
67	-	-
68	-	-

Instrument Cluster to Chassis (Streaming Camera)

Chassis to Instrument Cluster (Streaming Camera)

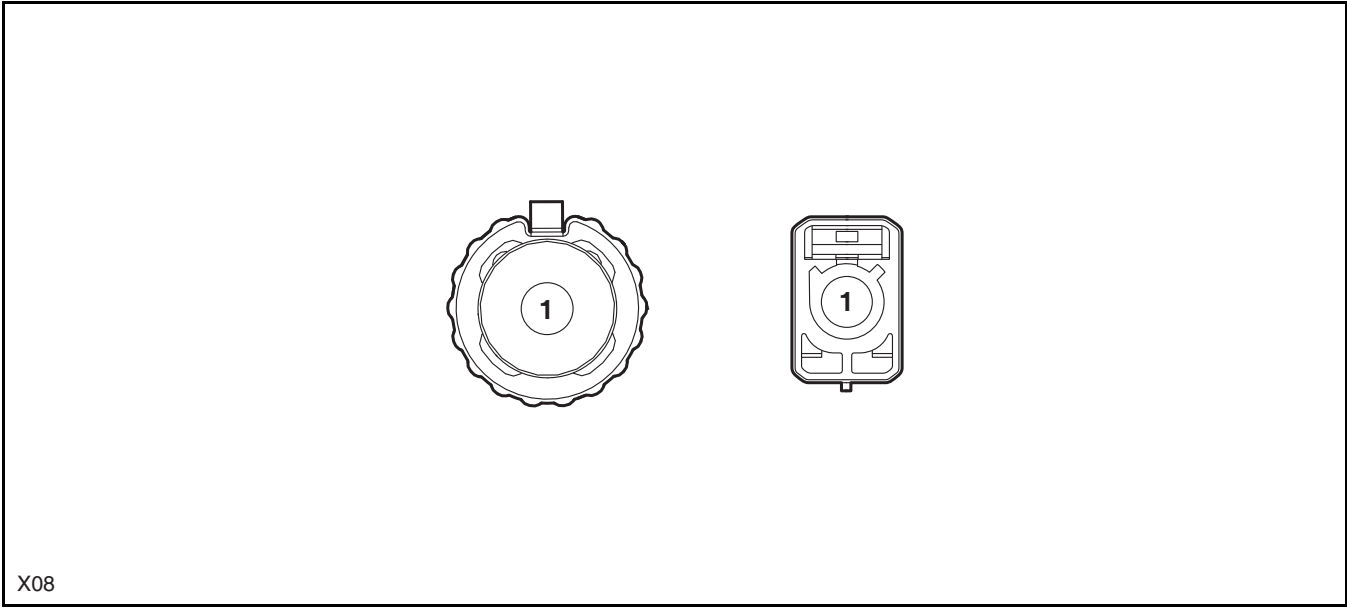


X07 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	Streaming Camera Signal

Instrument Cluster to Chassis (Rear Camera)

Chassis to Instrument Cluster (Rear Camera)

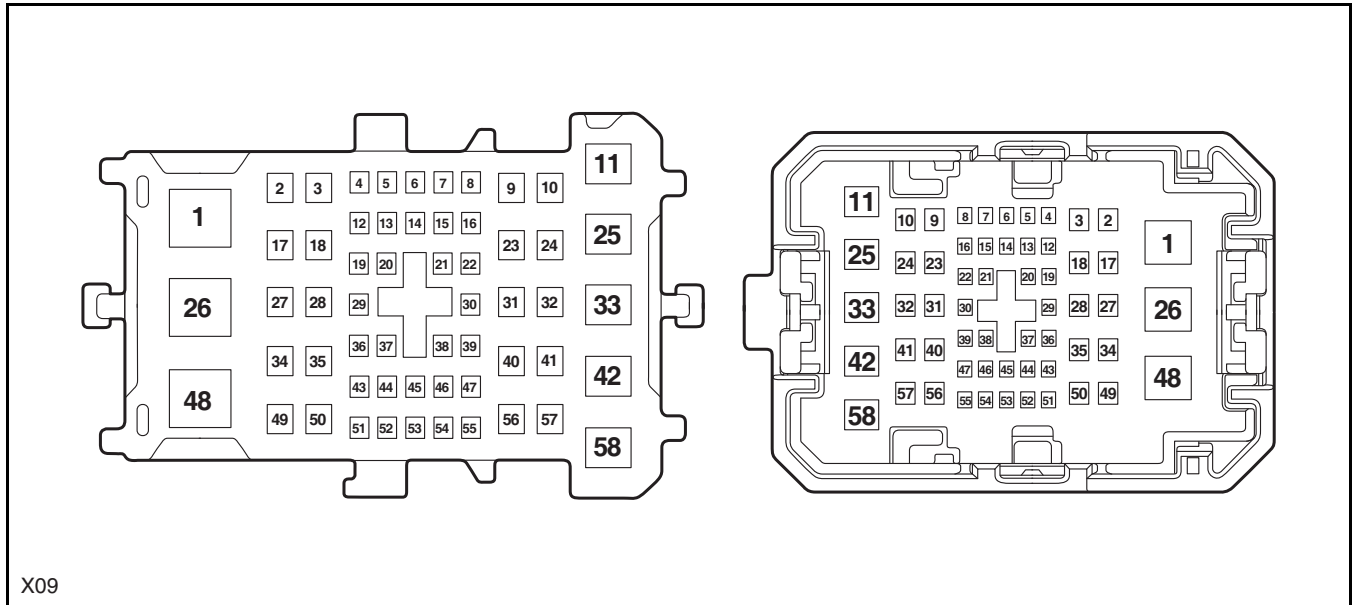


X08 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	Rear Video Signal

Instrument Cluster to Engine Compartment (Left 1)

Engine Compartment to Instrument Cluster (Left 1)



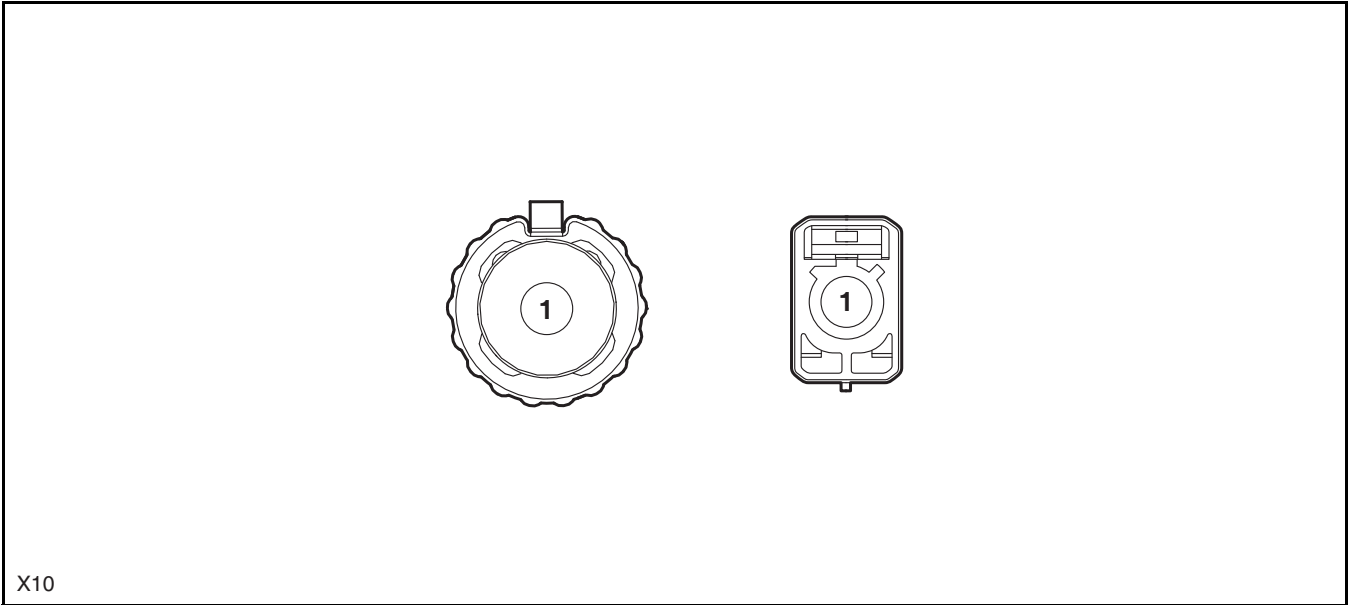
X09 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	4.0 RD	Front A/C Blower Power Supply
2	-	-
3	-	-
4	0.35 VT	CAN-H
5	0.35 VT/WH	CAN-L
6	-	-
7	0.35 GY	Headlamp Leveling Switch Output
8	0.5 GY/BK	Automatic A/C Controller Power Supply
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	0.35 BU	CAN-H
15	0.35 BU/YE	CAN-L
16	-	-
17	-	-
18	0.35 YE	Headlamp Leveling Power Supply
19	-	-
20	-	-
21	0.35 GN/OG	Brake Fluid Level Sensor Signal
22	-	-

Pin No.	Wire Diameter/Color	Function
23	-	-
24	-	-
25	-	-
26	2.5 BN	ACC Power Supply
27	-	-
28	-	-
29	-	-
30	-	-
31	-	-
32	0.5 GN/VT	Brake Lamp Switch Signal
33	-	-
34	0.5 VT/BU	Driver Side Front Collision Acceleration Sensor +
35	0.5 VT/GN	Driver Side Front Collision Acceleration Sensor -
36	0.35 LG/BK	CAN-L
37	0.35 LG	CAN-H
38	-	-
39	-	-
40	-	-
41	-	-
42	-	-
43	-	-
44	-	-
45	-	-
46	0.35 WH/RD	EPB Switch 1
47	0.35 WH/BK	EPB Switch 3
48	2.5 OG	IG1 Power Supply
49	-	-
50	-	-
51	0.35 YE/RD	EPB Switch 4
52	0.35 GN/RD	EPB Switch 6
53	0.35 RD/BK	AVH Switch
54	0.35 BU/WH	AVH Switch Indicator
55	0.35 YE	EPB Switch Indicator
56	-	-
57	-	-
58	-	-

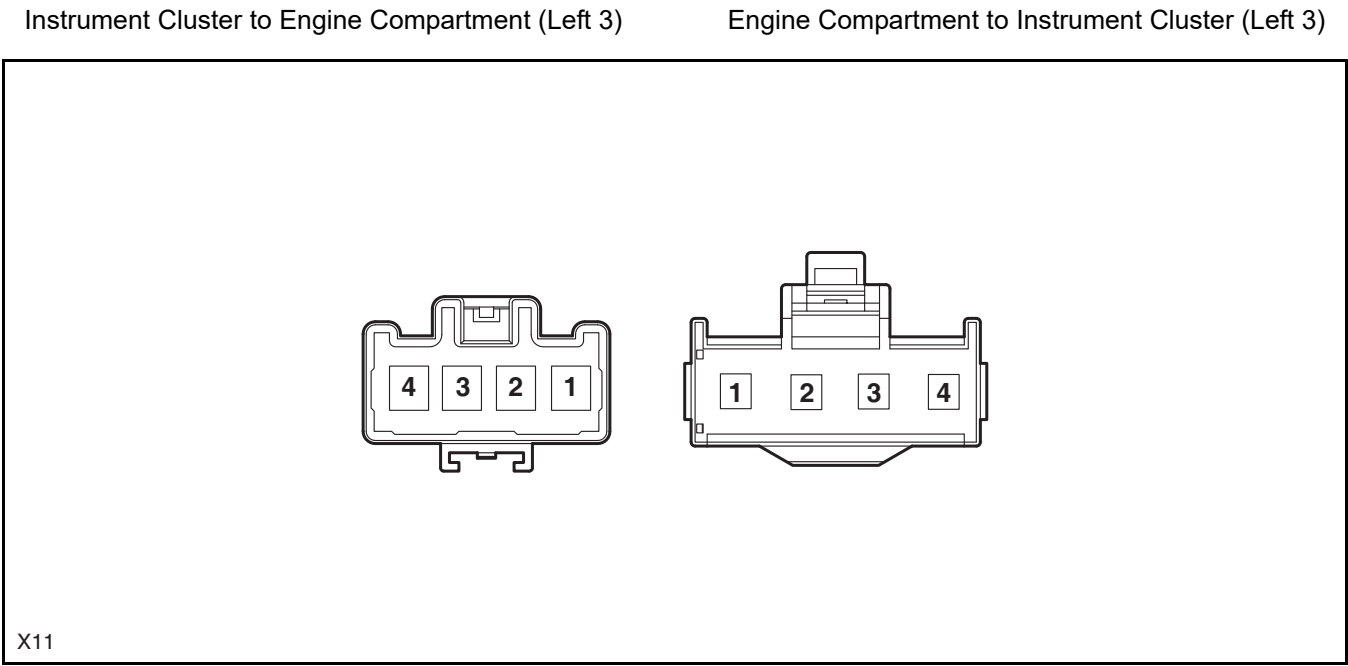
Instrument Cluster to Chassis (Left Camera)

Chassis to Instrument Cluster (Left Camera)



X10 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	Left Camera Signal

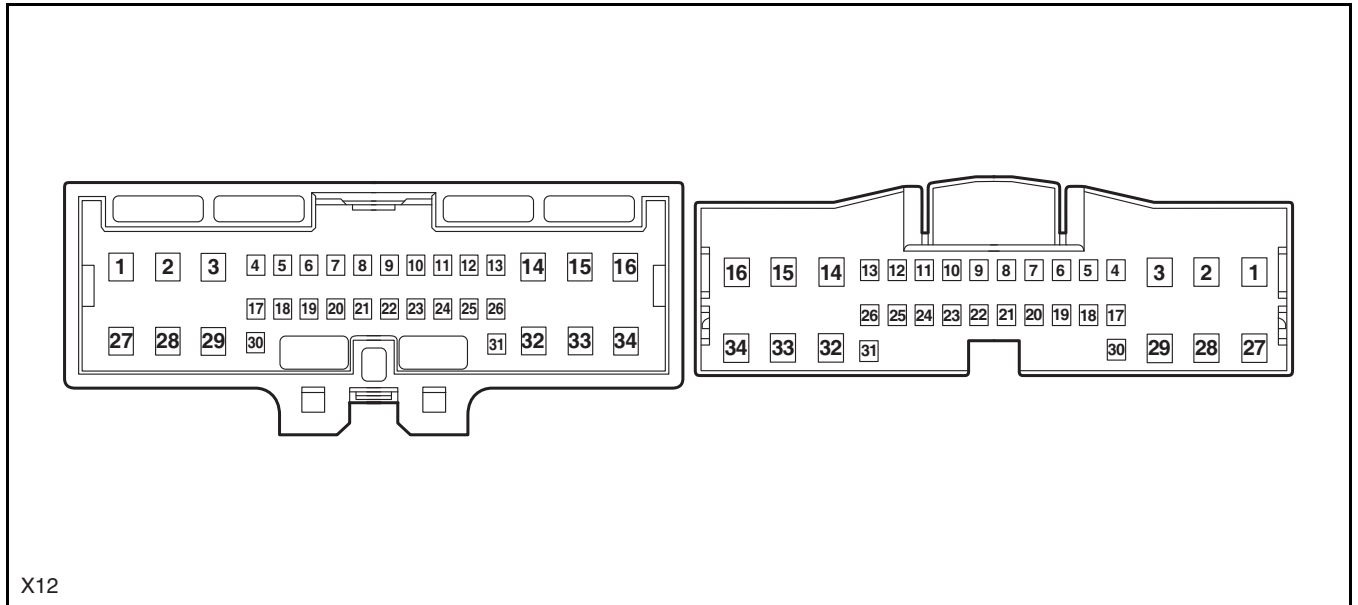


X11 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	-	-
3	5.0 RD	Power Supply
4	5.0 RD	Power Supply

Instrument Cluster to Roof (Left 1)

Roof to Instrument Cluster (Left 1)



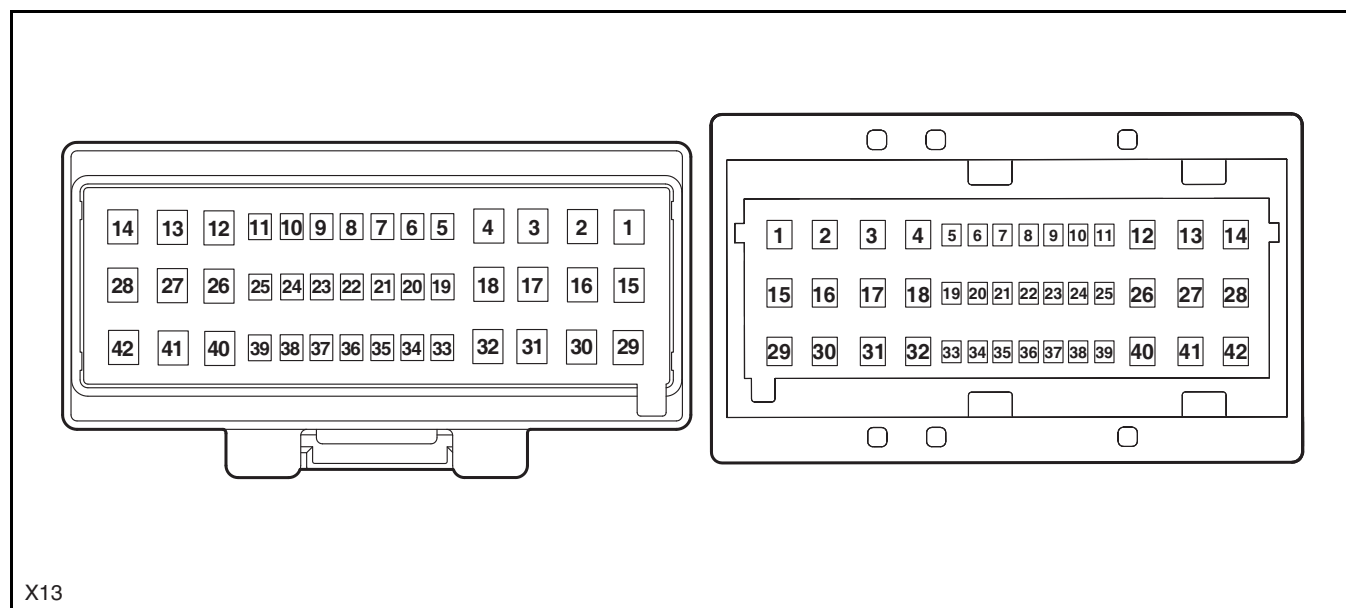
X12 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1 Russia	1.5 RD	Power Supply
1 G.C.C.	1.5 RD	Power Supply
2	-	-
3 G.C.C.	0.35 GN	LIN
4 Russia	0.35 GN	LIN
4 G.C.C.	0.35 VT	Microphone 2 Signal Grounding
5 Russia	0.35 VT	Microphone 2 Signal Grounding
5 G.C.C.	0.35 RD	Microphone 1 Signal
6 Russia	0.35 VT/WH	Microphone 2 Signal
7 Russia	0.35 RD	Microphone 1 Signal
8 Russia	0.35 BU/WH	Microphone 1 Signal Grounding
9 Russia	0.35 GN/WH	Rain/Ambient Light Sensor Power Supply
10 Russia	0.22 GN/BK	Speaker +
10 G.C.C.	1.5 BK	Grounding
11 Russia	0.22 PK	Speaker -
12 Russia	0.5 YE/BK	IG1 Power Supply
12 G.C.C.	0.35 GN/WH	Rain/Ambient Light Sensor Power Supply
13. G.C.C.	0.35 VT/WH	Microphone 2 Signal
14 Russia	1.5 BK	Grounding
14 G.C.C.	0.35 VT/WH	Microphone 1 Signal Grounding
15 Russia	0.75 BK	Grounding
16 Russia	0.75 BK	Grounding

Pin No.	Wire Diameter/Color	Function
17 Russia	0.35 BU	CAN-H
18 Russia	0.35 BU/YE	CAN-L
19	-	-
20 G.C.C.	0.75 BK	Grounding
21	-	-
22	-	-
23	-	-
24 G.C.C.	0.5 YE/BK	IG1 Power Supply
25	-	-
26	-	-
27 G.C.C.	0.35 BU/YE	CAN-L
28 G.C.C.	0.35 BU	CAN-H
29	-	-
30 G.C.C.	0.75 BK	Grounding
31	-	-
32	-	-

Instrument Cluster to Auxiliary Fascia Console

Auxiliary Fascia Console to Instrument Cluster

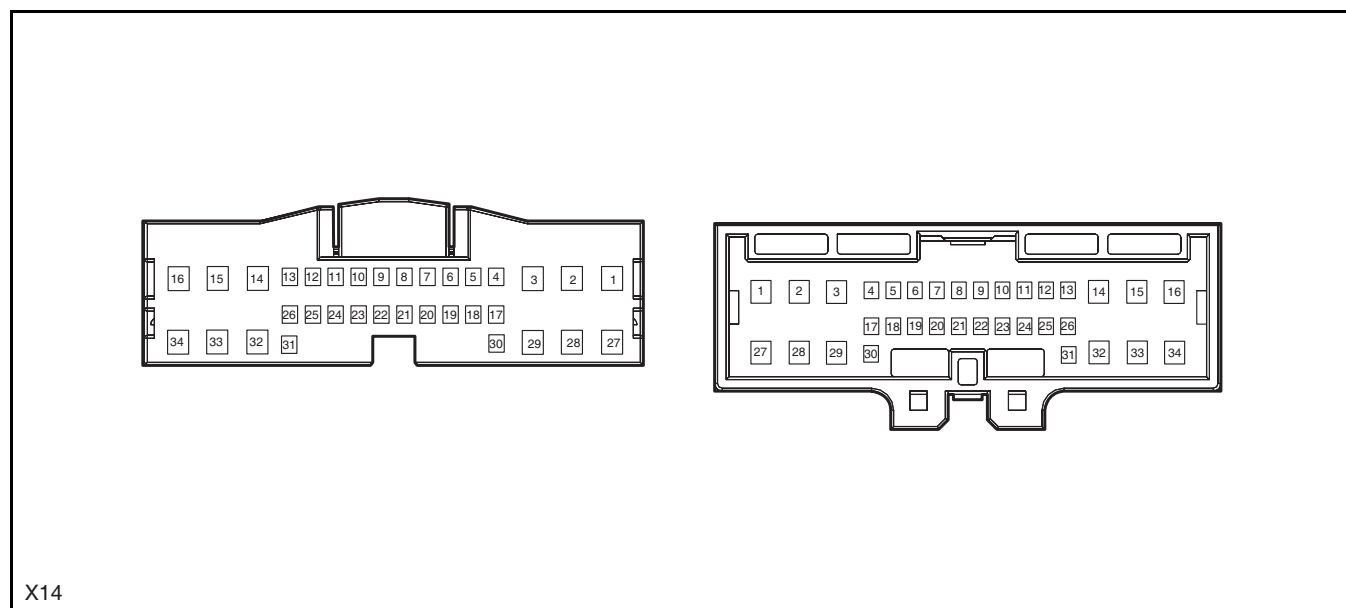
**X13 Wiring Harness Connector Pin Definition**

Pin No.	Wire Diameter/Color	Function
1	0.5 RD/YE	Backlight
2	0.5 WH/GN	Power Supply
3	0.5 VT/GN	IG1 Power Supply
4	0.35 RD/BK	Power Supply
5	0.35 OG/BK	-
6	0.35 GY/GN	-
7	0.35 PK	CAN-H
8	0.35 PK/BK	CAN-L
9	0.35 LG	CAN-H
10	0.35 LG/BK	CAN-L
11	0.35 VT	LIN
12	0.35 PK/BU	Luggage Compartment Door Release Switch
13	0.35 PK/GN	Grounding
14	-	-
15	0.5 BK	Grounding
16	-	-
17	-	-
18	-	-
19	0.35 WH/RD	EPB Switch 1
20	0.35 WH/BK	EPB Switch 3
21	0.35 YE/RD	EPB Switch 4
22	0.35 GN/RD	EPB Switch 6

Pin No.	Wire Diameter/Color	Function
23	0.35 RD/BK	AVH Switch
24	0.35 BU/WH	AVH Switch Indicator
25	0.35 YE	EPB Switch Indicator
26	0.35 WH/YE	AUTO Indicator Input Signal
27	0.35 GN/OG	2WD Indicator Input Signal
28	0.35 RD/GN	4WD Indicator Input Signal
29	-	-
30	-	-
31	-	-
32	-	-
33	0.35 BU/GN	SAVE Switch Output Signal
34	0.35 YE/BK	360 Switch Output Signal
35	-	-
36	-	-
37	-	-
38	-	-
39	-	-
40	0.35 BU	BACK Output Signal
41	0.35 GY	FORWARD Output Signal
42	-	-

Instrument Cluster to Chassis (Middle)

Chassis to Instrument Cluster (Middle)



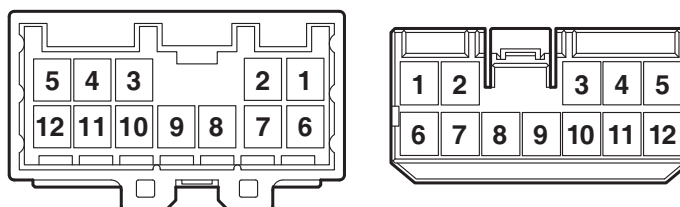
X14 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	1.5 RD	Power Supply
3	-	-
4	-	-
5	0.35 PK/BK	CAN-L
6	0.5 BU	A2B Bus P
7	0.5 VT	A2B Bus N
8	0.35 BK	Video Shield Signal
9	-	-
10	0.35 WH/YE	Passenger Seat Belt Buckle Connected with Passenger Detection Seat Cushion in Series
11	-	-
12	0.35 OG/BK	Driver Seat Belt Buckle
13	-	-
14	-	-
15	-	-
16	2.5 RD/BU	Power Supply
17	-	-
18	0.35 WH/GN	Analog Grounding
19	0.5 RD	Power Supply
20	-	-
21	0.5 BK/WH	IG1 Power Supply
22	-	-

Pin No.	Wire Diameter/Color	Function
23	0.35 PK	CAN-H
24	-	-
25	-	-
26	-	-
27	-	-
28	-	-
29	-	-
30	-	-
31	-	-
32	2.5 RD/YE	Power Supply
33	2.5 VT	Power Supply
34	-	-

Instrument Cluster to Roof (Right)

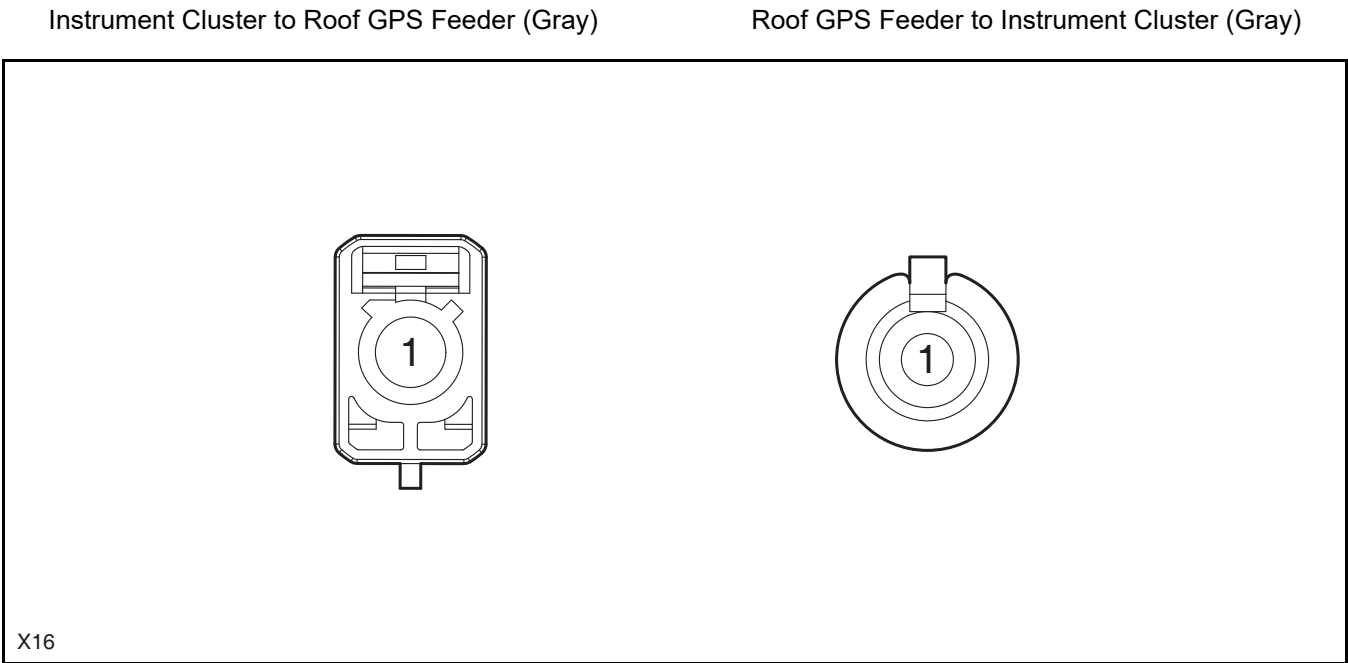
Roof to Instrument Cluster (Right)



X15

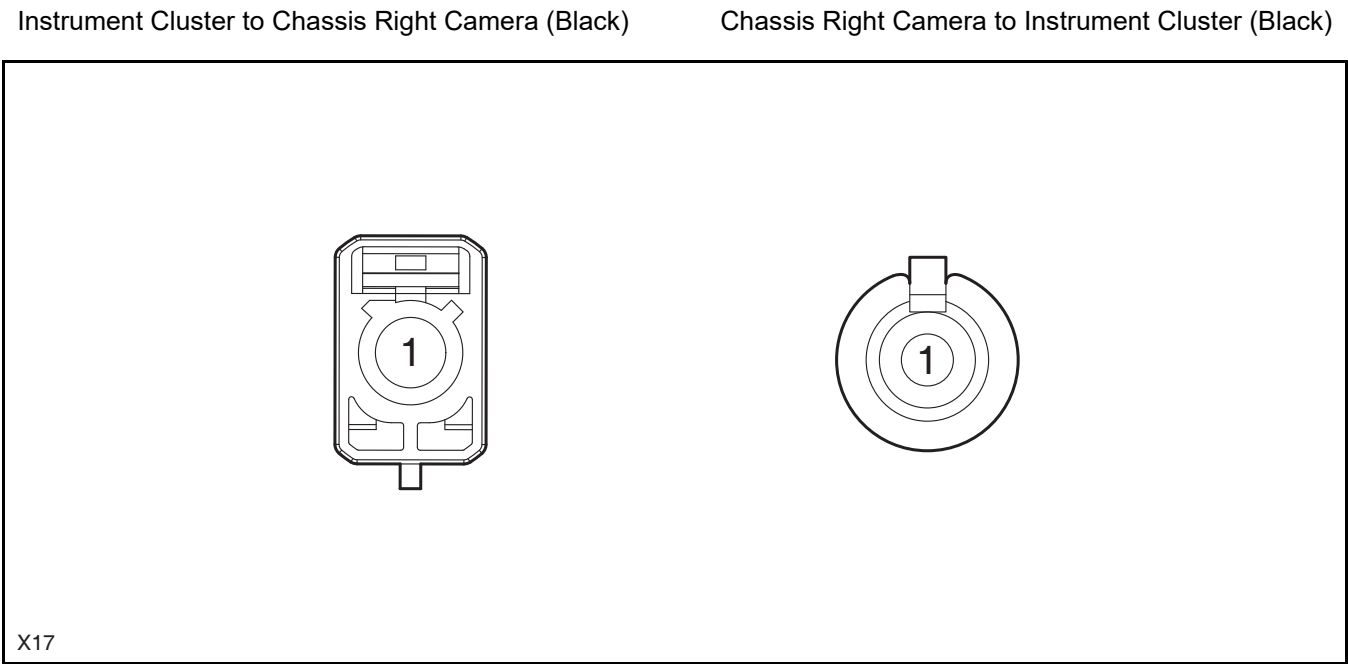
X15 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1 Russia	2.5 BN	-
2 Russia	0.35 BU	CAN-H
3 Russia	0.35 BU/YE	CAN-L
4 Russia	0.5 RD/YE	Front Dome Lamp Background Lamp
5 Russia	2.5 BK	-
6 Russia	0.35 WH/GN	-
7 Russia	0.35 WH	-
7 G.C.C.	0.35 BU	CAN-H
8 Russia	0.5 RD/BK	Energy Saving Output
8 G.C.C.	0.35 BU/YE	CAN-L
9 Russia	0.5 WH/PK	Dome Lamp Output
9 G.C.C.	0.5 RD/BK	Energy Saving Output
10 Russia	0.35 PK	Rain/Ambient Light LIN Communication Bus and IBS
10 G.C.C.	0.5 WH/RD	Dome Lamp Output
11 G.C.C.	0.35 WH/GN	-
12 G.C.C.	0.35 WH	-
13. G.C.C.	0.5 RD/YE	Front Dome Lamp Background Lamp
14 G.C.C.	0.35 PK	Rain/Ambient Light LIN Communication Bus and IBS
15	-	-
16	-	-



X16 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	GPS Feeder

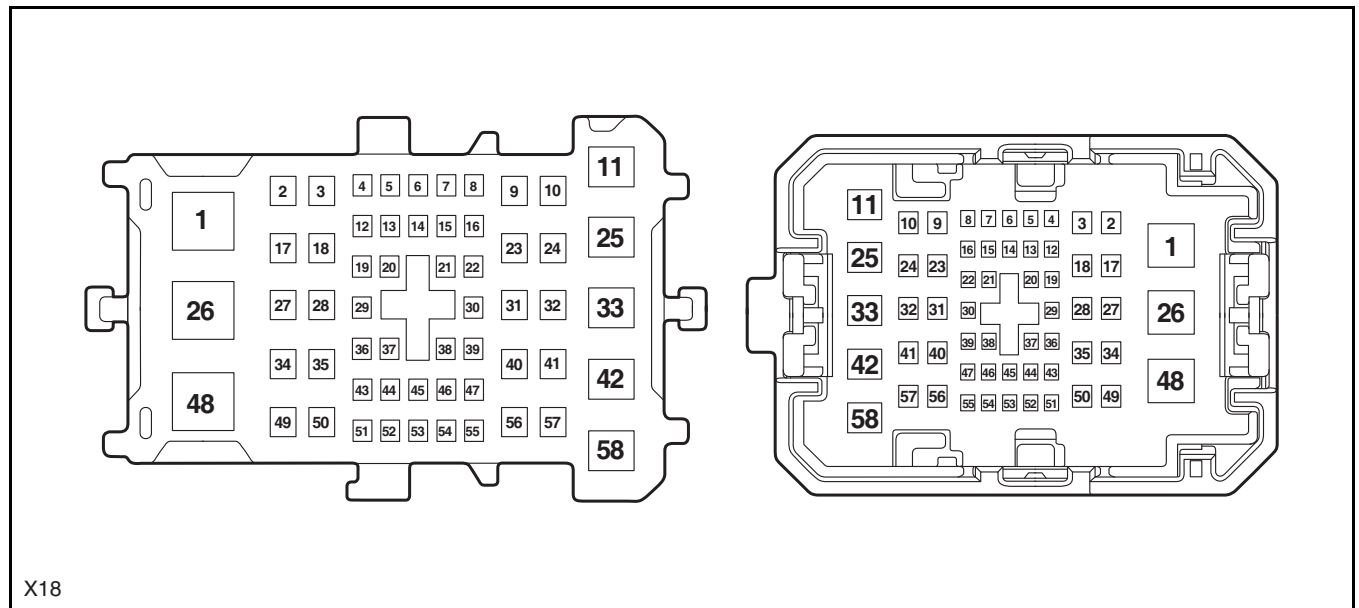


X17 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	Right Camera Signal

Instrument Cluster to Engine Compartment (Right 1)

Engine Compartment to Instrument Cluster (Right 1)



X18

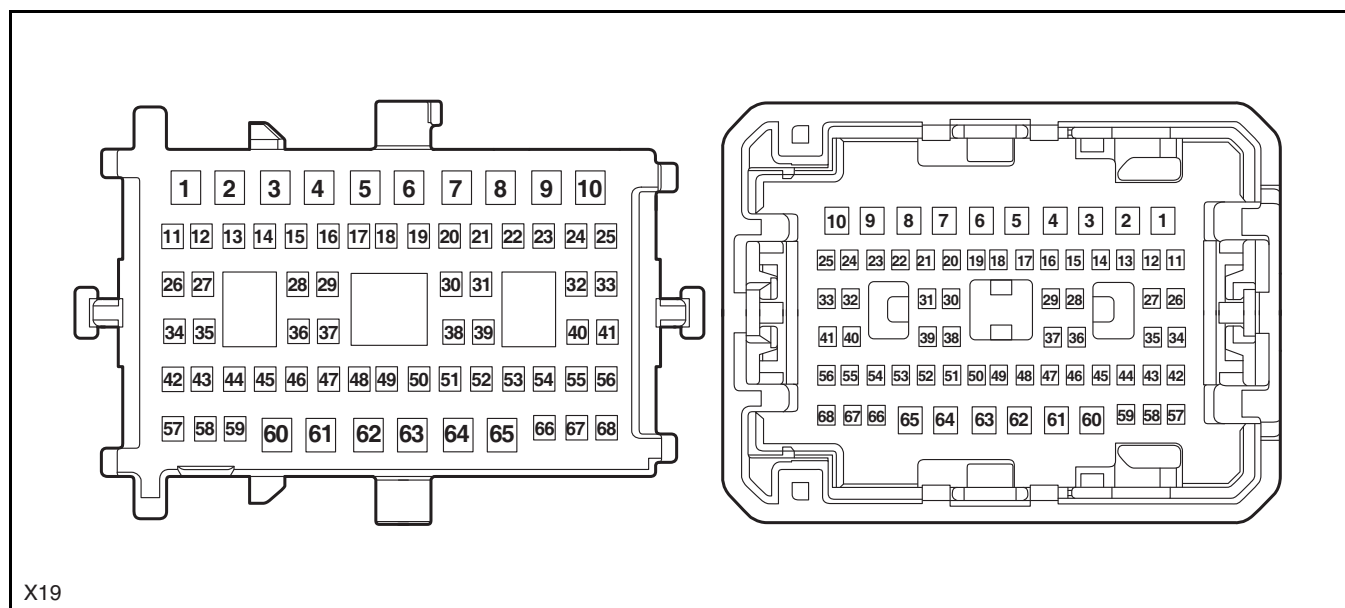
X18 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	0.5 RD/WH	Right Front Daytime Running Lamp Power Supply
3	0.5 VT	Right Turn Lamp (Front Rear)
4	0.35 WH/GN	-
5	0.35 WH	-
6	0.35 LG	Rear Defroster Relay
7	0.35 OG/WH	IG1 Power Supply Coil
8	0.35 BN/WH	Low Beam Lamp Relay Signal
9	0.5 GN/WH	Left Turn Lamp (Front Rear)
10	0.5 BN	Left Front Combination Lamp Position Lamp Signal
11	1.0 BU/WH	Oil Pump Pressure Buildup Relay
12	-	-
13	0.35 VT	Air Conditioning System Operating Condition
14	-	-
15	-	-
16	-	-
17	0.5 BU/RD	Left Front Daytime Running Lamp Power Supply
18	0.35 WH	-
19	-	-
20	-	-
21	0.35 RD/BK	Front Wiper Low Speed Relay
22	0.35 GN/WH	Front Wiper High Speed Relay

Pin No.	Wire Diameter/Color	Function
23	-	-
24	0.35 RD/BU	ACC Relay Coil
25	-	-
26	-	-
27	-	-
28	-	-
29	0.35 RD/BU	Front Wiper Stop Signal
30	0.35 YE	Reverse Switch
31	0.75 VT	Front Washer Motor Power Supply
32	-	-
33	-	-
34	0.5 GN/VT	Passenger Side Front Collision Acceleration Sensor -
35	0.5 GN/BU	Passenger Side Front Collision Acceleration Sensor +
36	-	-
37	-	-
38	0.35 GN/YE	P/N Position Switch
39	0.35 BU/WH	SGND Signal Grounding
40	0.75 GN/RD	Rear Washer Motor Power Supply
41	-	-
42	-	-
43	-	-
44	-	-
45	0.35 PK	LIN Signal
46	0.35 WH/BK	Water Flow Steering Signal
47	0.35 WH/RD	Outside Temperature Input
48	-	-
49	-	-
50	-	-
51	0.35 BU/GN	High/Low Beam Lamp Signal
52	-	-
53	-	-
54	0.35 BK/WH	Horn Relay
55	0.35 PK/BK	Rear Wiper Relay
56	-	-
57	-	-
58	-	-

Instrument Cluster to Chassis (Right 1)

Chassis to Instrument Cluster (Right)



X19 Wiring Harness Connector Pin Definition

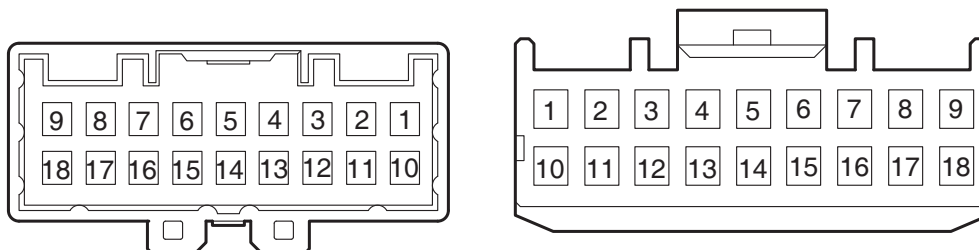
Pin No.	Wire Diameter/Color	Function
1	0.75 RD/WH	Lock Output
2	0.5 OG	Power Supply
3	0.5 VT	LIN
4	0.5 VT/GN	Rear Fog Lamp Power Supply
5	0.5 VT/WH	Rear Tail Lamp (Position Lamp) Power Supply
6	0.5 WH/RD	Brake Lamp Power Supply
7	-	-
8	-	-
9	-	-
10	1.0 WH/RD	Power Supply
11	0.35 PK/BK	Rear Wiper Stop Signal
12	0.35 WH/BU	Rear Turn Lamp Diagnosis Feedback
13	-	-
14	-	-
15	-	-
16	0.35 YE	Right Front Door Handle Switch
17	-	-
18	-	-
19	0.5 RD/YE	Backlight
20	0.35 GN	LIN
21	0.35 BU	CAN-H
22	0.35 BU/YE	CAN-L

Pin No.	Wire Diameter/Color	Function
23	-	-
24	-	-
25	0.35 PK/GN	Left Front Door Handle Lamp
26	-	-
27	-	-
28	-	-
29	-	-
30	-	-
31	0.5 YE/WH	Other Three Doors Unlock Output
32	-	-
33	0.35 BN/WH	Right Side Antenna -
34	0.35 BU/GN	Right Rear Door Concealed Handle Retracting Position Switch
35	0.35 GN/BK	Right Rear Door Concealed Handle Extending Position Switch
36	-	-
37	-	-
38	-	-
39	-	-
40	-	-
41	0.35 YE/RD	Right Side Antenna +
42	0.35 WH/RD	Right Front Door Status
43	0.35 GN/WH	Inside Rear Antenna +
44	0.35 BU/BK	Inside Rear Antenna -
45	-	-
46	0.5 VT	Right Front Turn Lamp Power Supply
47	-	-
48	-	-
49	0.35 VT/WH	Right Blind Spot Indicator Driver
50	0.5 VT/BK	Left Front Rearview Mirror Folding
51	0.35 BU/YE	Right Rear Door Status
52	0.5 WH/YE	Left Front Rearview Mirror Extending
53	0.35 GY	LIN
54	-	-
55	-	-
56	0.35 RD/BK	Power Supply
57	0.35 YE/BK	Kick Sensor Signal
58	-	-
59	0.5 BK/WH	Reversing Lamp Power Supply

Pin No.	Wire Diameter/Color	Function
60	-	-
61	-	-
62	0.5 GY/BK	Right Front Tweeter -
63	0.5 GY/RD	Right Front Tweeter +
64	0.35 BN/WH	Right Front Door Concealed Handle Extending Position Switch
65	0.35 YE/RD	Right Front Door Concealed Handle Retracting Position Switch
66	-	-
67	-	-
68	0.35 WH/BK	Water Flow Steering Signal

Chassis to Right Rear Door

Right Rear Door to Chassis



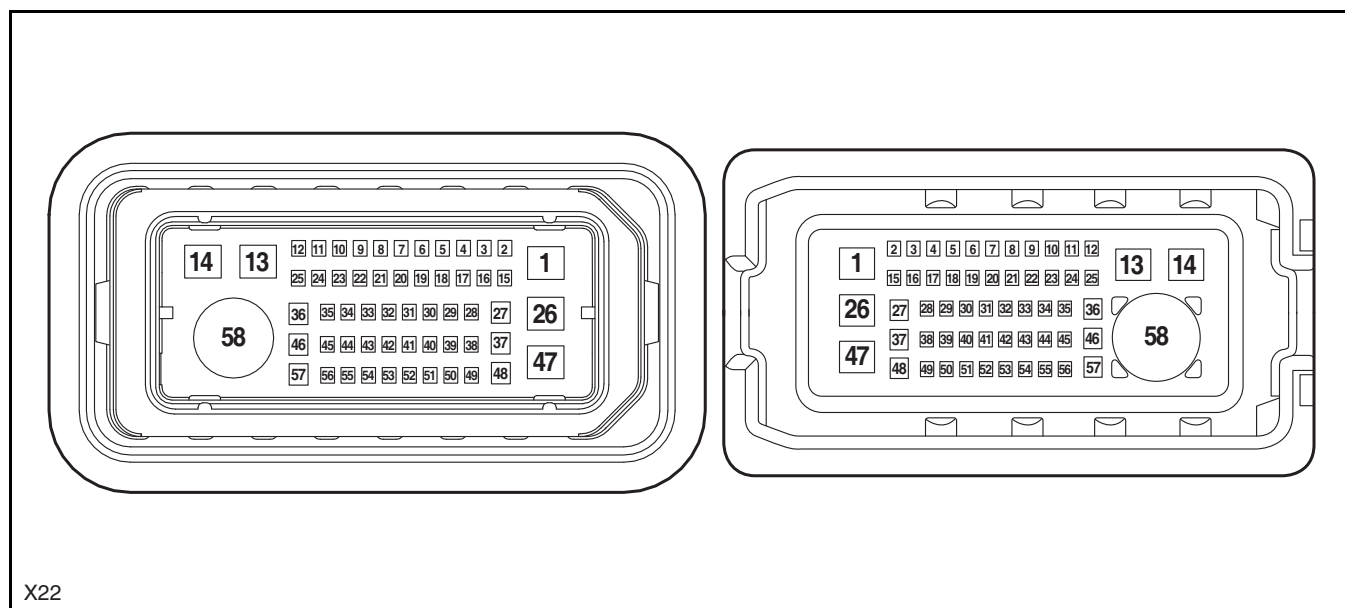
X21

X21 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	2.5 RD/BK	Right Rear Door Window Motor (Anti-Pinch) Power Supply
2	0.35 BU/GN	Microswitch 2 +
3	0.35 GN/BK	Microswitch 1 +
4	0.5 GN/RD	Right Rear Woofer -
5	0.5 GN/VT	Right Rear Woofer +
6	-	-
7	-	-
8	0.5 RD/YE	Background Lamp
9	-	-
10	0.5 YE/WH	Right Rear Door Lock Motor Unlock
11	0.5 RD/WH	Right Rear Door Lock Motor Lock
12	0.35 GN	LIN
13	-	-
14	2.5 BK	Grounding
15	0.35 PK/GN	Atmosphere Lamp +
16	0.5 WH	Motor Negative
17	0.5 GY	Right Rear Door Concealed Handle Switch Motor Positive
18	-	-

Chassis to Right Front Door

Right Front Door to Chassis



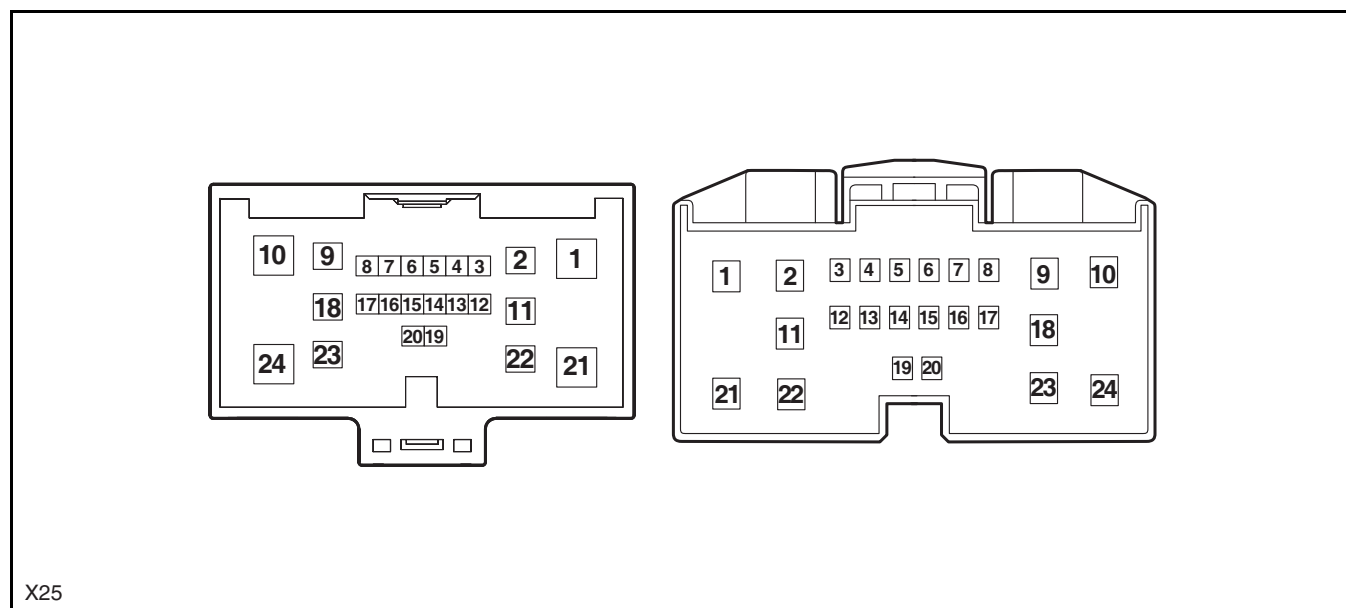
X22 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-
13	2.5 BK	Grounding
14	-	-
15	0.5 YE	Capacity Switch +
16	0.35 GN	LIN
17	0.5 GN/YE	Capacity Switch -
18	0.35 YE/RD	Antenna Positive
19	0.35 BU/BK	Antenna Negative
20	-	-
21	-	-
22	-	-

Pin No.	Wire Diameter/Color	Function
23	-	-
24	-	-
25	-	-
26	-	-
27	0.35 PK/GN	Atmosphere Lamp +
28	0.5 YE/WH	Right Front Door Lock Motor Negative
29	0.5 RD/WH	Right Front Door Lock Motor Positive
30	-	-
31	-	-
32	0.5 BN/WH	Right Front Door Concealed Handle Switch
33	0.5 VT/BK	Right Front Rearview Mirror Folding
34	0.5 WH/YE	Right Front Rearview Mirror Extending
35	-	-
36	0.5 YE/RD	Right Front Door Concealed Handle Switch
37	0.5 GY	Right Front Door Concealed Handle Switch Motor Positive
38	0.5GY	Heating Element Power Supply
39	0.3 VT	LIN Signal
40	0.35 RD	Constant Power Supply
41	0.5 RD/YE	Background Lamp
42	-	-
43	0.35 LG/BK	Right Rearview Mirror Up-Down Position Sensor
44	0.35 BU/GN	Right Rearview Mirror Horizontal Position Sensor
45	0.35 PK/BU	Left Rearview Mirror Up-Down Adjustment
46	0.5 WH	Right Front Door Concealed Handle Switch Motor Negative
47	2.5 RD/BK	Right Front Door Window Motor (Anti-Pinch) Power Supply
48	-	-
49	0.35 WH/RD	Rearview Mirror Position Sensor Power Supply
50	0.35 RD/BU	Left Rearview Mirror Left-Right Adjustment
51	0.35 VT/WH	Left Blind Spot Indicator Driver
52	0.5 VT	Side Turn Lamp Power Supply
53	0.5 GY/BK	Right Front Woofer -
54	0.5 GY/RD	Right Front Woofer +
55	0.35 VT/GN	Rearview Mirror Adjustment Switch Common End
56	0.35 WH	Rearview Mirror Position Sensor Grounding
57	-	-
58	Coaxial Line	-

Chassis to Engine Compartment (Right 1)

Engine Compartment to Chassis (Right 1)



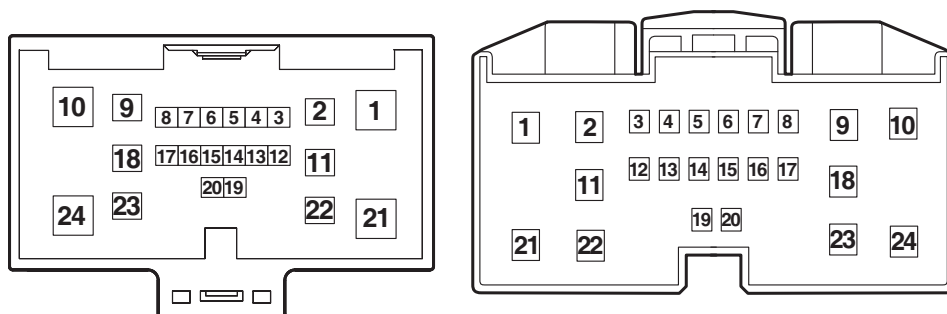
X25 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	2.5 RD/YE	Right Caliper Power Supply
2	-	-
3	0.35 OG/WH	Right Rear Wheel Speed Sensor Power Supply
4	0.35 RD/BU	Left Front Radar Sensor Power Supply
5	0.35 OG	Left Front Radar Sensor
6	-	-
7	-	-
8	0.3 BU/BK	Right Front Radar Sensor
9	-	-
10	-	-
11	-	-
12	0.35 GN/YE	Right Rear Wheel Speed Sensor Signal
13	-	-
14	-	-
15	-	-
16	-	-
17	0.35 WH/BK	Left Front Radar Sensor Grounding
18	2.5 RD/BK	Right Front Door Window Motor (Anti-Pinch) Power Supply
19	-	-
20	-	-
21	2.5 VT	Right Caliper Power Supply
22	-	-

Pin No.	Wire Diameter/Color	Function
23	-	-
24	-	-

Chassis to Engine Compartment (Left 1)

Engine Compartment to Chassis (Left 1)



X26

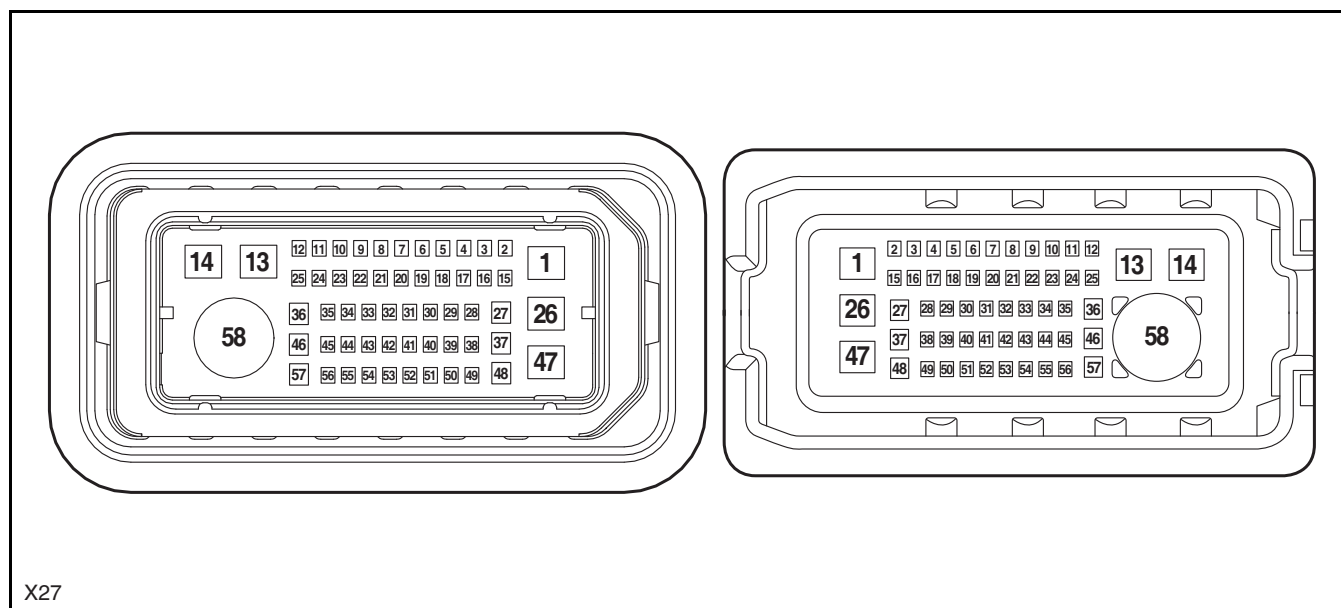
X26 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	2.5 RD/BU	Left Caliper Power Supply
2	1.5 BU/WH	Variable Displacement Oil Pump Power Supply
3	0.35 PK/GN	Left Rear Wheel Speed Sensor Power Supply
4	0.5 WH	Main Relay Power Supply
5	0.5 BU/WH	Carbon Canister Stop Valve
6	0.5 GY/BK	Fuel Tank Pressure Sensor Power Supply
7	0.5 PK/BU	Fuel Tank Pressure Sensor Signal Output
8	0.5 GN/BU	Fuel Tank Pressure Sensor Signal Grounding
9	1.5 WH/RD	Rear Wiper Operation
10	2.5 BN	Electric Power
11	1.5 YE	External Power Amplifier Constant Power Supply
12	0.35 GY/OG	Left Rear Wheel Speed Sensor Signal
13	0.5GY	Heating Element Power Supply
14	-	-
15	-	-
16	0.5 WH/VT	IG1 Power Supply (Russia)
17	-	-
18	2.5 YE/BK	Left Rear Door Window Motor (Anti-Pinch) Power Supply

Pin No.	Wire Diameter/Color	Function
19	-	-
20	-	-
21	2.5 YE	Left Caliper Power Supply
22	-	-
23	2.5 VT	Rear Defroster Power Supply
24	-	-

Chassis to Left Front Door

Left Front Door to Chassis



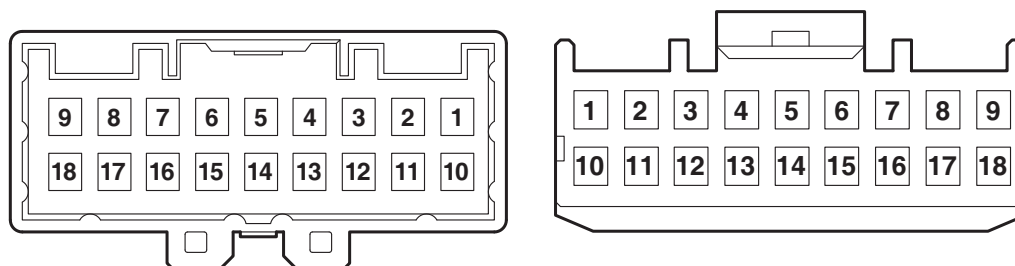
X27 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	0.35 OG/WH	Left Front Door Window Switch Signal
11	0.35 BU/GN	Left Front Door Window Switch Signal
12	0.35 LG/BK	Left Front Door Window Switch Signal
13	2.5 BK	Grounding
14	-	-
15	0.5 GN/OG	Left Front Door Concealed Handle Switch
16	0.35 GN	Left Front Door Window Signal
17	0.5 GN/YE	Left Front Door Concealed Handle Switch Input
18	0.35 BN	Left Side Antenna Signal
19	0.35 BU/BK	Left Side Antenna Signal
20	0.5 OG	Left Front Door Window Switch Power Supply
21	-	-
22	-	-

Pin No.	Wire Diameter/Color	Function
23	-	-
24	-	-
25	-	-
26	-	-
27	0.5 VT/GN	Left Front Door Concealed Handle Switch Signal
28	0.5 GY/RD	Left Front Door Lock Motor Signal
29	0.5 RD/WH	Door Lock Motor Power Supply
30	0.35 RD/BK	Left Front Door Lock Motor Signal
31	0.3 PK	Seat Memory Switch
32	0.5 PK/BU	Left Front Door Concealed Handle Switch
33	0.5 VT/BU	Rearview Mirror Folding
34	0.5 WH/YE	Rearview Mirror Extending
35	0.35 YE/BK	Seat Memory Switch Signal
36	0.5 LG/BK	Left Front Door Concealed Handle Switch
37	0.5 GY/BK	Left Front Door Concealed Handle Switch Power Supply
38	0.5 GY	Left Front Rearview Mirror Power Supply
39	0.3 VT	Atmosphere Lamp Signal
40	0.3 RD	Atmosphere Lamp Power Supply
41	0.5 RD/YE	Background Lamp Signal
42	0.35 VT/WH	Seat Memory Switch Signal
43	0.35 BN/WH	Left Front Rearview Mirror Signal
44	0.35 BU/WH	Left Front Rearview Mirror Signal
45	0.35 BK/WH	Left Front Rearview Mirror Up-Down Adjustment
46	0.5 YE/WH	Left Front Door Concealed Handle Switch Power Supply
47	2.5 YE/BK	Window Motor Power Supply
48	-	-
49	0.35 WH/RD	Rearview Mirror Adjustment
50	0.35 BU	Left Front Rearview Mirror Left-Right Adjustment
51	0.35 GN/RD	Left Blind Spot Indicator
52	0.5 GN/WH	Front Turn Lamp Signal
53	0.5 WH/BK	Left Front Speaker +
54	0.5 VT/BK	Left Front Speaker -
55	0.35 VT/GN	Left Front Rearview Mirror Adjustment
56	0.35 WH	Rearview Mirror Adjustment
57	-	-
58	-	-

Chassis to Left Rear Door

Left Rear Door to Chassis



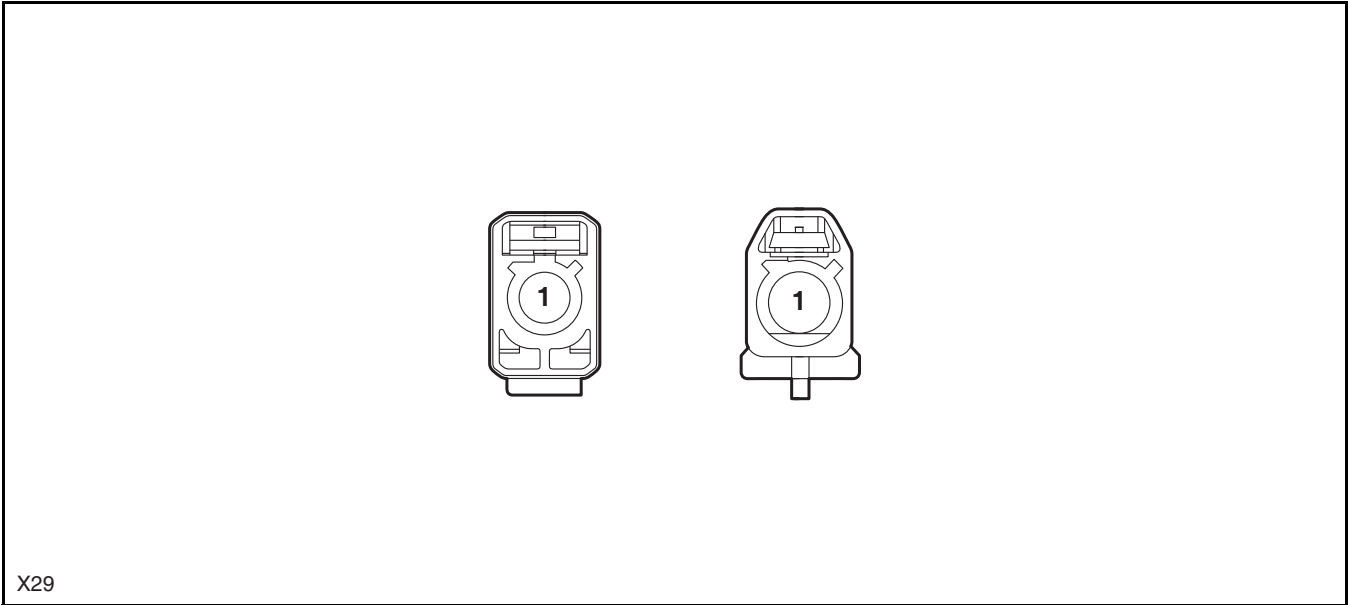
X28

X28 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	2.5 YE/BK	Window Motor Anti-Pinch Power Supply
2	0.3 WH/GN	Concealed Door Handle Switch Left Rear Signal
3	0.3 RD/BK	Concealed Door Handle Switch Left Rear Signal
4	0.5 PK/WH	Left Rear Speaker +
5	0.5 RD/GN	Left Rear Speaker -
6	-	-
7	-	-
8	0.5 RD/YE	Backlight Power Supply
9	-	-
10	0.5 YE/WH	Left Rear Door Lock Motor Signal
11	0.5 RD/WH	Left Rear Door Lock Motor Power Supply
12	0.3 GN	Window Motor Anti-Pinch Signal
13	-	-
14	2.5 BK	Grounding
15	0.3 PK/GN	Concealed Door Handle Switch Signal
16	0.5 WH	Concealed Door Handle Switch Power Supply
17	0.5 GY	Concealed Door Handle Switch Power Supply
18	-	-

Chassis to Back Door (Streaming Camera)

Back Door to Chassis (Streaming Camera)

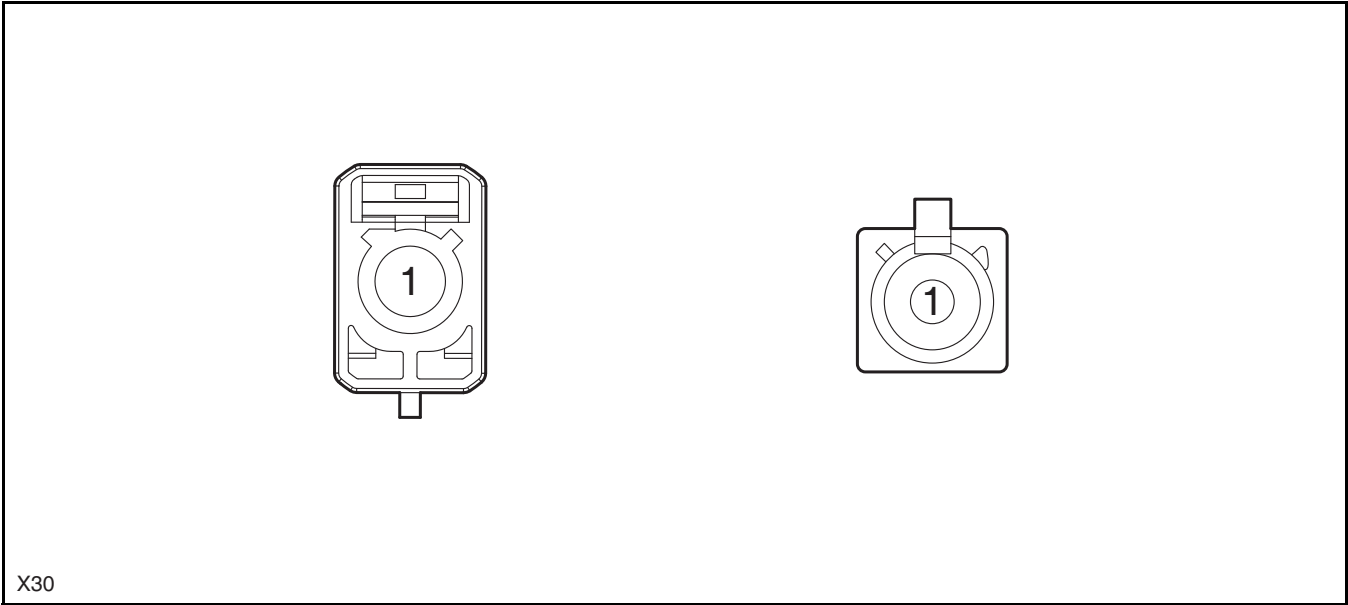


X29 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	Streaming Camera Signal

Chassis to Back Door (Rear Camera)

Back Door to Chassis (Rear Camera)

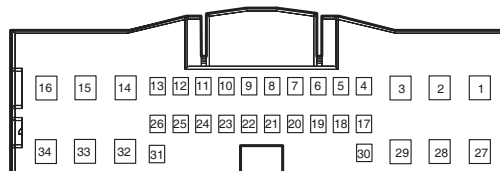
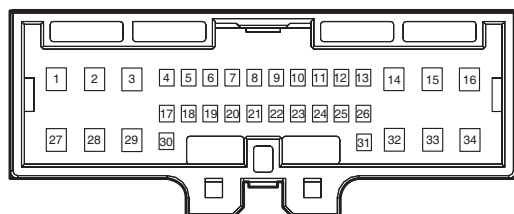


X30 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	Rear Camera Signal

Chassis to Back Door

Back Door to Chassis



X31

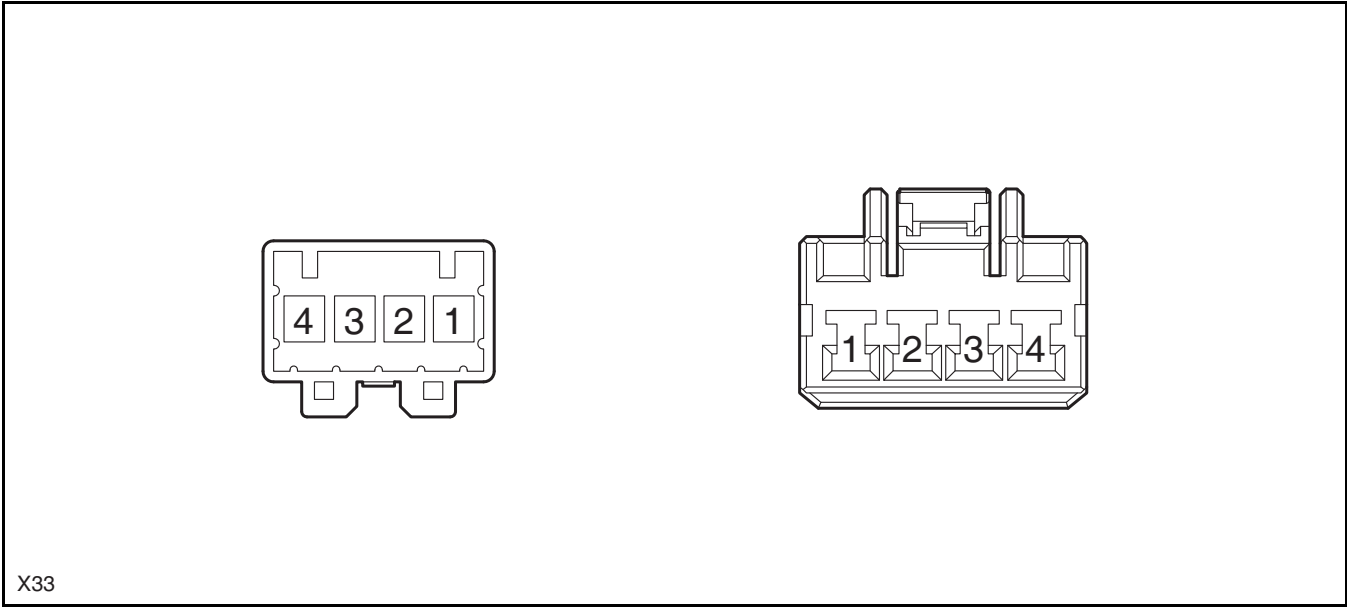
X31 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	1.5 WH/RD	Rear Wiper Motor Power Supply
3	-	-
4	0.35 PK/BK	Rear Wiper Motor Input
5	0.5 GN/WH	Left Turn Lamp Input
6	0.35 WH/BK	Tail Turn Lamp Signal
7	0.5 VT/WH	Tail Left Position Lamp Signal
8	-	-
9	0.35 RD/GN	License Plate Lamp Signal
10	0.5 VT	Left/Right Tail Turn Lamp Signal
11	-	-
12	0.5 OG/BK	Back Door Buzzer
13	-	-
14	-	-
15	0.75 OG	Motor Drive Lock Self-engagement
16	2.5 BK	Grounding
17	-	-
18	-	-
19	-	-
20	-	-
21	0.35 WH/BU	High Mounted Brake Lamp Signal
22	0.35 BN/WH	Lock Inside Drive Mechanical Reset Signal

Pin No.	Wire Diameter/Color	Function
23	0.35 GN/RD	Full Lock Position Judgement
24	0.35 OG	Half Lock Position Judgement
25	-	-
26	0.5 BN	Front Position Lamp Signal
27	2.5 VT	Rear Defroster Power Supply
28	-	-
29	-	-
30	0.35 RD/YE	Back Door Close Switch Background Lamp Input
31	0.35 GY/GN	Back Door Close Switch Signal
32	-	-
33	0.75 GN	Motor Driver Unlock
34	2.5 BK	Grounding

Chassis to Left EPB

Left EPB to Chassis

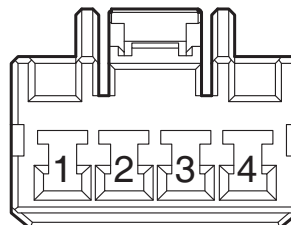
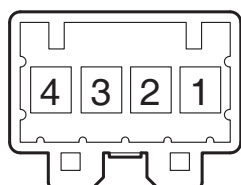


X33 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	2.5 YE	Left Caliper Brake
2	2.5 RD/BU	Left Caliper Release
3	0.35 PK/GN	Left Rear Wheel Speed Sensor Grounding
4	0.35 GY/OG	Left Rear Wheel Speed Sensor Power Supply

Chassis to Right EPB

Right EPB to Chassis



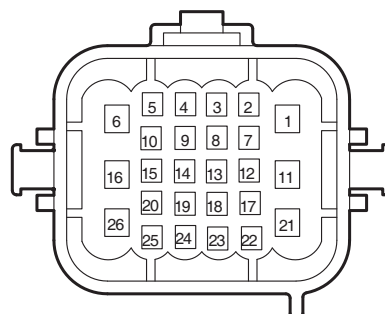
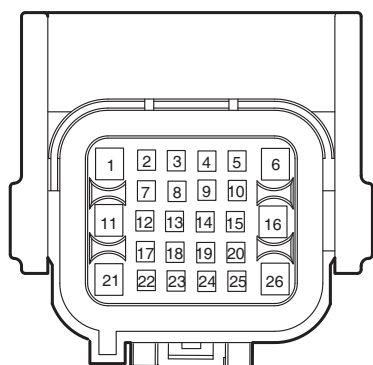
X34

X34 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	2.5 VT	Right Caliper Brake
2	2.5 RD/YE	Right Caliper Release
3	0.35 OG/WH	Right Rear Wheel Speed Sensor Grounding
4	0.35 GN/YE	Right Rear Wheel Speed Sensor Power Supply

Chassis to Rear Bumper

Rear Bumper to Chassis



X35

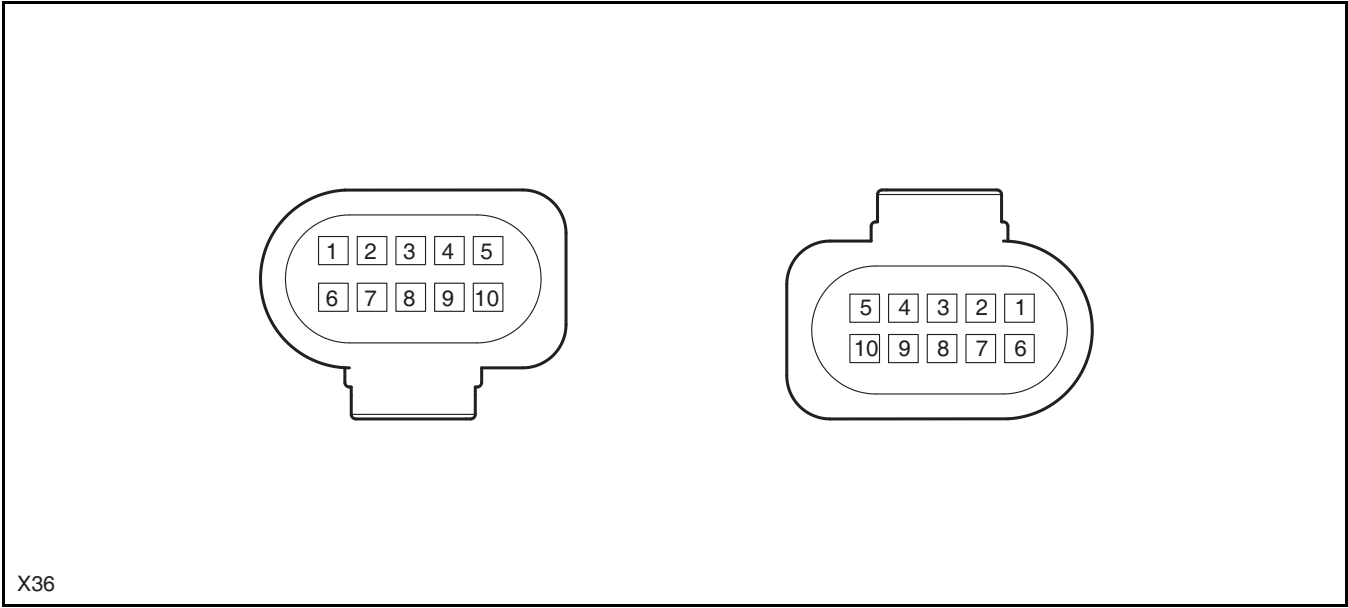
X35 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 BK/WH	Reversing Lamp Signal
2	0.3 GN/WH	Inside Rear Antenna Signal
3	0.3 BU/BK	Inside Rear Antenna Signal
4	0.03 GN/BU	Left Rear Reversing Radar Sensor Signal
5	0.3 OG/BK	Left Middle Rear Reversing Radar Sensor Signal
6	0.5 VT/GN	Rear Fog Lamp Signal
7	0.3 GN/RD	Right Rear Reversing Radar Sensor Signal
8	0.3 GN/YE	Right Middle Rear Reversing Radar Sensor Signal
9	0.3 WH/RD	Reversing Radar Sensor Power Supply
10	0.3 WH	Reversing Radar Sensor Grounding
11	0.5 BK	Grounding
12	0.3 RD/BK	Kick Sensor Power Supply
13	0.3 YE/BK	Kick Sensor Signal
14	0.3 BU/YE	CAN-L
15	0.3 BU	CAN-H
16	0.5 RD	Side Assist Controller Constant Power Supply
17	-	-
18	-	-
19	-	-
20	-	-
21	0.5 OG	Side Assist Controller IG1
22	0.3 BU/YE	CAN-H

Pin No.	Wire Diameter/Color	Function
23	0.3 BU	CAN-L
24	-	-
25	-	-
26	-	-

Engine to Fuel Injector Wiring Harness

Fuel Injector to Engine Wiring Harness

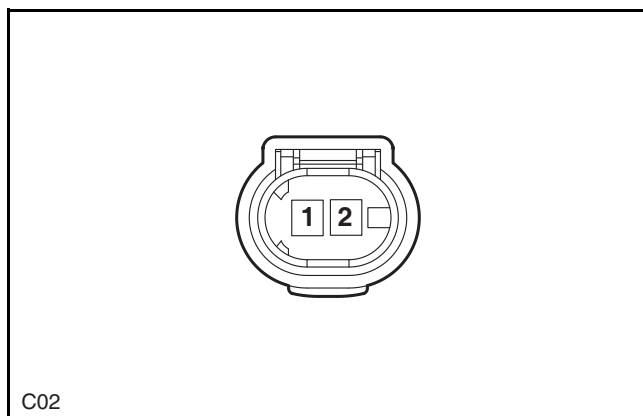


X36 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.85 BU/BK	Cylinder 1 Fuel Injector Power Supply
2	0.85 RD/YE	Cylinder 1 Fuel Injector Control Signal
3	0.85 RD/GN	Cylinder 2 Fuel Injector Power Supply
4	0.85 YE/RD	Cylinder 2 Fuel Injector Control Signal
5	0.85 BN/WH	Cylinder 3 Fuel Injector Power Supply
6	0.85 WH/RD	Cylinder 3 Fuel Injector Control Signal
7	0.85 GY/BK	Cylinder 4 Fuel Injector Power Supply
8	0.85 BK/YE	Cylinder 4 Fuel Injector Control Signal
9	-	-
10	-	-

Engine Compartment Wiring Harness Connector (C--)

Battery Sensor

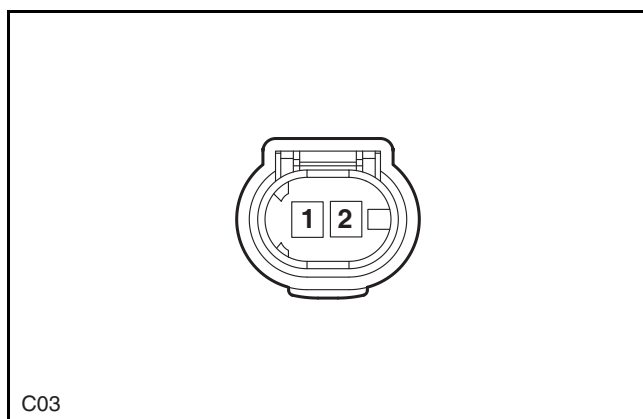


C02

C02 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 OG/WH	Battery Power Supply
2	0.35 PK	LIN Signal

Wheel Speed Sensor - Left Front

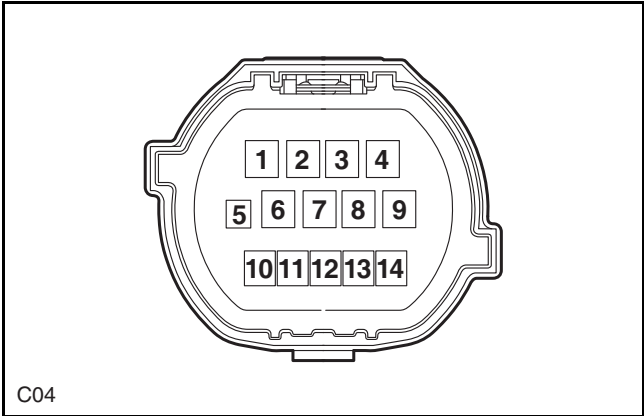


C03

C03 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 GN/OG	Left Front Wheel Speed Sensor Power Supply
2	0.35 GN/BU	Left Front Wheel Speed Sensor Grounding

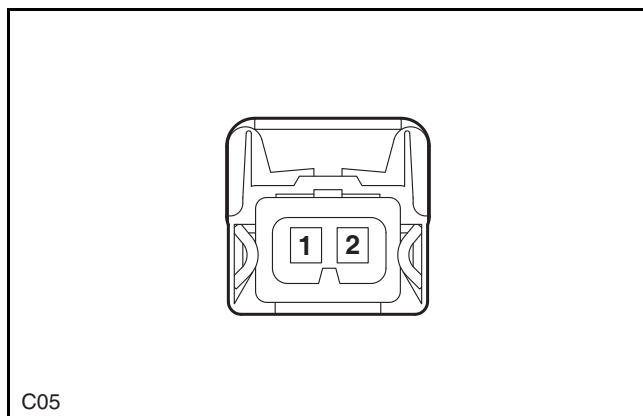
Left Front Combination Lamp



C04 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	1.0 BK	High/Low Beam Grounding
3	1.0 YE	High/Low Beam Power Supply
4	0.35 BU/GN	High Beam Signal
5	0.5 BN	Position Lamp +
6	0.5 BK	Auxiliary Low Beam/Turn Lamp Grounding
7	0.5 BU/RD	Daytime Running Lamp
8	-	-
9	-	-
10	0.35 BK	Light Adjustment Motor Grounding
11	0.35 GY	Light Adjustment Motor Signal
12	0.35 YE	Light Adjustment Motor Positive
13	0.35 WH	Turn Diagnosis
14	0.5 GN/WH	Left Turn Lamp Positive

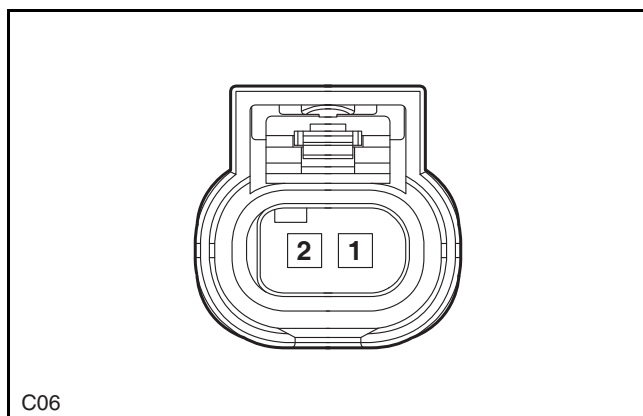
Electric Horn - 1



C05 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.75 WH	Horn Positive
2	0.75 BK	Horn Negative

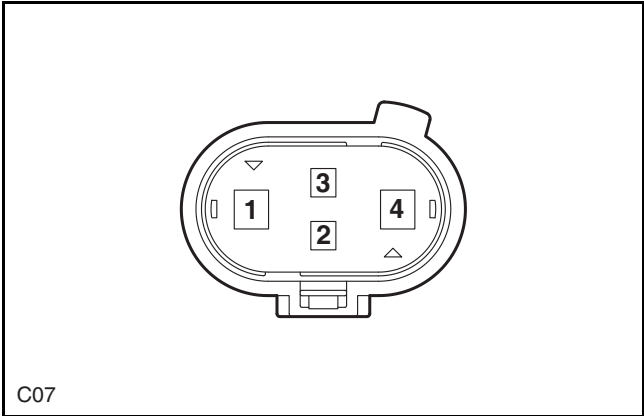
Left Front Collision Sensor



C06 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 VT/BK	Front Collision Sensor Positive
2	0.5 VT/GN	Front Collision Sensor Negative

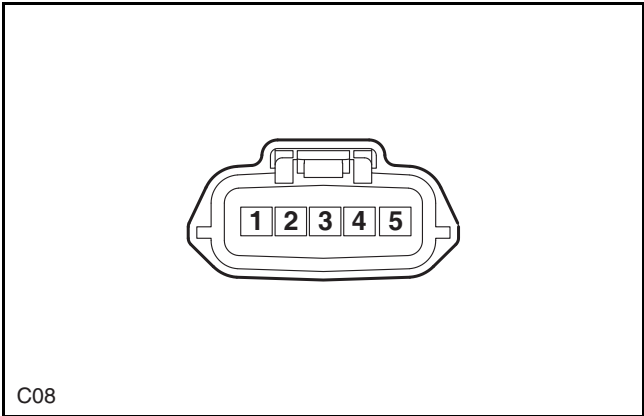
Cooling Fan



C07 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	5.0 BK	Grounding
2	4.0 GN	Low Speed Fan
3	5.0 WH/BK	Middle Speed Fan
4	6.0 RD	High Speed Fan

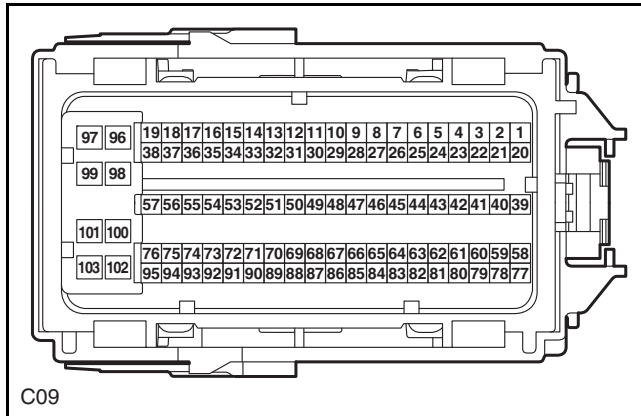
Front Wiper Motor



C08 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	1.5 WH/BK	High Speed
2	1.5 BU	Low Speed
3	-	-
4	0.35 RD/BU	Reset
5	1.5 BK	Grounding

ECU-B



C09 Wiring Harness Connector Pin Definition

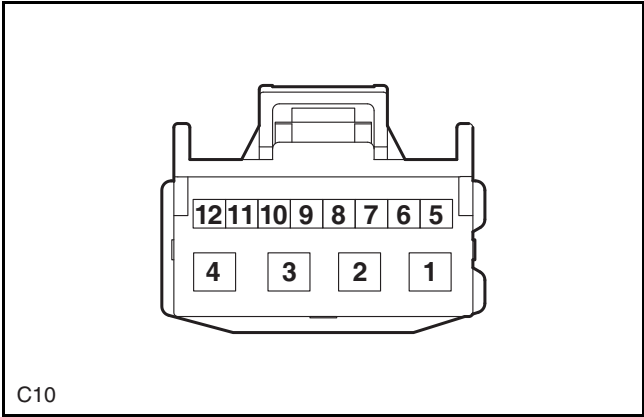
Pin No.	Wire Diameter/Color	Function
1	0.35 GN/BK	Starting Motor Low Side Control
2	0.5 YE	Cooling Fan Relay Signal (Medium Speed)
3	-	-
4	-	-
5	0.5 RD/YE	Electric Auxiliary Water Pump
6	0.5 YE/BN	Main Relay
7	-	-
8	0.5 YE/GN	Switch Oxygen Sensor
9	0.35 BK	GPF Temperature Sensor Grounding/Brake Vacuum Sensor Grounding
10	-	-
11	-	-
12	-	-
13	0.35 BN/WH	Accelerator Pedal Position Sensor 1 Grounding
14	0.35 OGWH	Brake Vacuum Sensor Power Supply
15	0.35 PK/GN	Accelerator Pedal Position Sensor 1 Power Supply
16	0.35 PK/BK	Accelerator Pedal Position Sensor 2 Power Supply
17	-	-
18	-	-
19	-	-
20	0.35 BU/GN	Starting Motor Low Side Control
21	0.5 VT/WH	Cooling Fan Relay Signal (High Speed)
22	-	-
23	0.5 GN/RD	Carbon Canister Control Valve
24	0.35 GY	A/C Compressor Relay
25	0.5 BU	Air Intake Pressure Discharge Control Valve
26	0.35 WH/RD	Low Pressure Oil Pump Relay

Pin No.	Wire Diameter/Color	Function
27	-	-
28	0.5 YE/WH	Switch Oxygen Sensor Grounding
29	0.35 YE/BK	Accelerator Pedal Position Sensor 2 Grounding
30	0.35 WH/BU	Brake Vacuum Sensor Signal
31	0.35YE/RD	Accelerator Pedal Position Sensor 1
32	-	-
33	0.35 WH/GN	Medium Voltage Signal
34	-	-
35	0.35 GY/OG	GPF Temperature Sensor Signal
36	-	-
37	-	-
38	-	-
39	0.5 GN/YE	Cooling Fan Relay Signal (Low Speed)
40	0.5 BN	Central Electromagnet Signal (Exhaust)
41	0.5 PK	Central Electromagnet Signal (Intake)
42	-	-
43	-	-
44	-	-
45	-	-
46	0.5 WH/YE	Ignition Switch
47	0.5 VT/GN	LIN Bus
48	0.5 WH/BK	Linear Oxygen IP
49	0.5 RD/GN	Linear Oxygen VM
50	-	-
51	0.35 GY/GN	Accelerator Pedal Position Sensor 2
52	-	-
53	-	-
54	-	-
55	0.5 GN/VT	Brake Lamp Switch Signal
56	0.5 PK/BU	Brake Switch
57	0.75 RD/BU	Starting Motor Feedback Signal
58	0.5 BU/WH	Carbon Canister Stop Valve
59	0.5 WH	Oil Pump Assembly
60	0.5 GN/WH	Electronic Thermostat 20T
61	0.5 OG/BK	Switch Oxygen Heater
62	0.75 VT	Liner Oxygen Heater
63	0.5 RD/BK	Continuous Power Supply
64	0.35 LG/BK	Refresh and Body CAN Low

Pin No.	Wire Diameter/Color	Function
65	0.35 LG	Refresh and Body CAN High
66	-	-
67	0.5 OG	Liner Oxygen
68	-	-
69	-	-
70	-	-
71	-	-
72	-	-
73	-	-
74	-	-
75	-	-
76	-	-
77	-	-
78	-	-
79	-	-
80	-	-
81	-	-
82	-	-
83	-	-
84	-	-
85	-	-
86	-	-
87	-	-
88	-	-
89	-	-
90	-	-
91	-	-
92	-	-
93	-	-
94	-	-
95	-	-
96	1 BK	ECU Grounding 4
97	1 BK	ECU Grounding 3
98	1 BK	ECU Grounding 2
99	1 BK	ECU Grounding 1
100	1 YE	Main Relay Power Supply 1
101	1 YE	Main Relay Power Supply 2
102	1 YE	Main Relay Power Supply 3

Pin No.	Wire Diameter/Color	Function
103	1 YE	Main Relay Power Supply 4

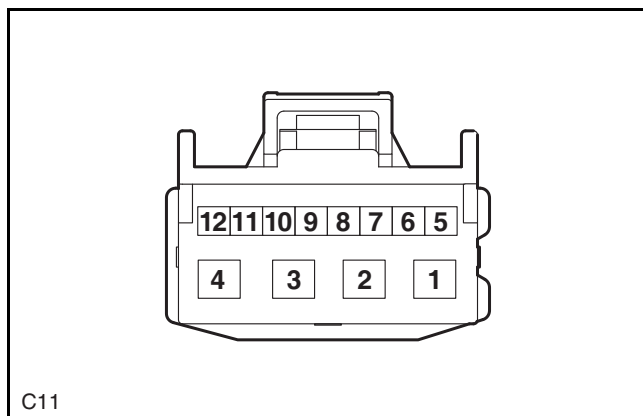
Electronic Shift Actuator Controller B



C10 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	1 BU	Shift Actuator Motor Positive
2	-	-
3	-	-
4	1 GN	Shift Actuator Motor Negative
5	-	-
6	0.35 RD/BU	5V Power Supply
7	0.35 GY	Grounding
8	0.35 BK/WH	Position Feedback Signal
9	-	-
10	-	-
11	-	-
12	-	-

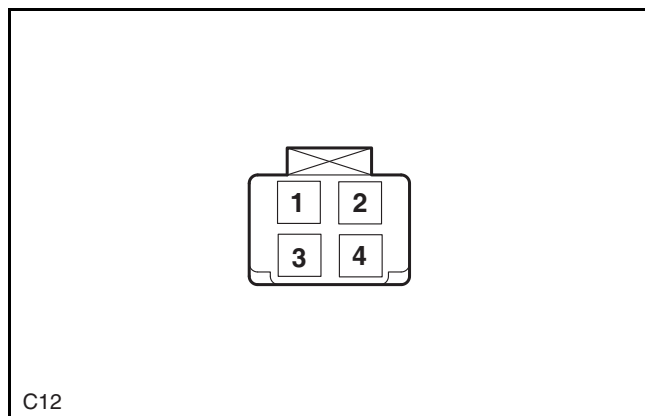
Electronic Shift Actuator Controller A



C11 Wiring Harness Connector Pin Definition

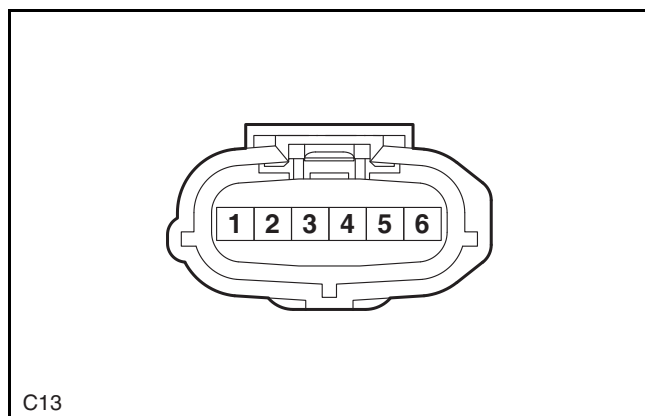
Pin No.	Wire Diameter/Color	Function
1	0.75 RD	Battery Power Supply
2	0.75 RD	Battery Power Supply
3	0.75 BK	Grounding
4	0.75 BK	Grounding
5	-	-
6	-	-
7	0.5 RD	IGN Power Supply
8	-	-
9	0.35 LG/BK	Vehicle CAN Low -
10	0.35 LG	Vehicle CAN High
11	-	-
12	-	-

Brake Switch

**C12 Wiring Harness Connector Pin Definition**

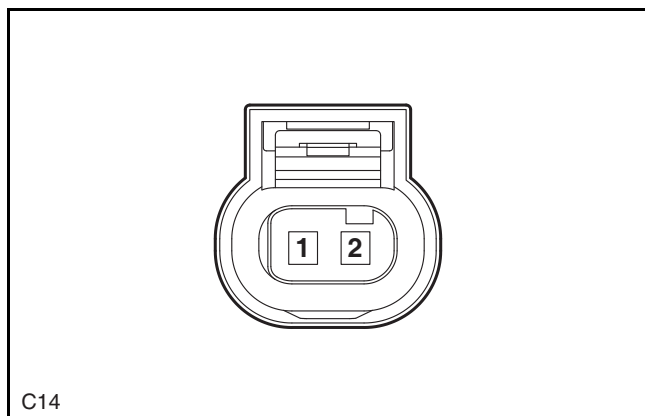
Pin No.	Wire Diameter/Color	Function
1	0.5 PK/BU	Brake Switch Signal
2	0.5 WH/GN	Main Relay Power Supply
3	0.5 GN/VT	Brake Lamp Switch Signal
4	0.5 RD	Battery Power Supply

Accelerator Pedal Position Sensor

**C13 Wiring Harness Connector Pin Definition**

Pin No.	Wire Diameter/Color	Function
1	0.35 PK/GN	Accelerator Pedal Position Sensor 1 Power Supply
2	0.35 YE/RD	Accelerator Pedal Position Sensor 1
3	0.35 BN/WH	Accelerator Pedal Position Sensor 1 Grounding
4	0.35 YE/BK	Accelerator Pedal Position Sensor 2 Grounding
5	0.35 GY/GN	Accelerator Pedal Position Sensor 2
6	0.35 PK/BK	Accelerator Pedal Position Sensor 2 Power Supply

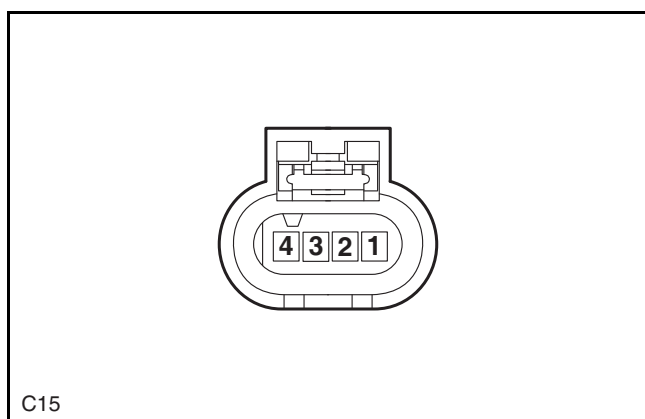
GPF Temperature Sensor



C14 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 GY/OG	GPF Temperature Sensor Signal
2	0.35 BK/WH	GPF Temperature Sensor Grounding/Brake Vacuum Sensor Grounding

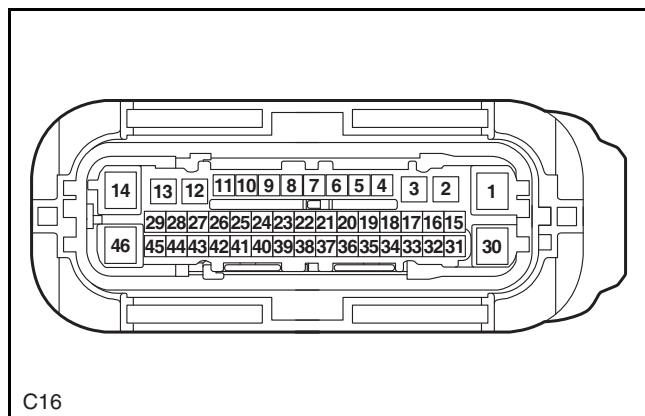
GPF Differential Pressure Sensor



C15 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 GN	2nd GPF Differential Pressure Sensor
2	0.5 OG	Sensor Grounding
3	0.5 YE	1st GPF Differential Pressure Sensor
4	0.5 WH	Power Supply

EPBI Controller

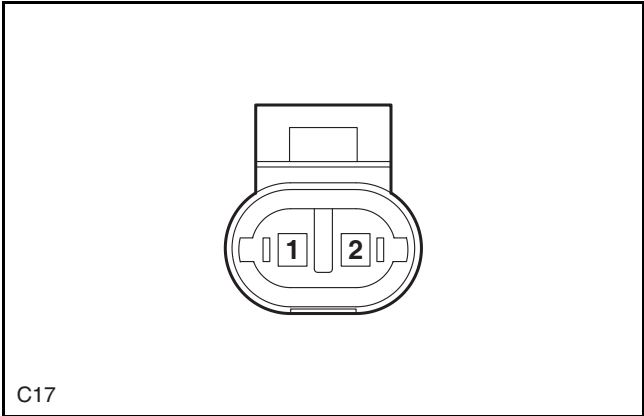


C16 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	5 RD	EPBI Motor Power Supply
2	2.5 VT	Right Caliper Power Supply
3	2.5 RD/YE	Right Caliper Power Supply
4	-	-
5	0.35 LG	CAN High
6	-	-
7	0.35 GN/BU	Left Front Wheel Speed Sensor Signal
8	0.35 BU/WH	AVH Switch Indicator
9	-	-
10	-	-
11	-	-
12	2.5 RD/BU	Left Caliper Power Supply
13	2.5 YE	Left Caliper Power Supply
14	4 BK	Motor, Valve and ECU Grounding
15	0.35 WH/BK	EPB Switch 3
16	0.35 GN/RD	EPB Switch 6
17	-	-
18	0.35 YE	EPB Switch Indicator
19	0.35 LG/BK	CAN Low
20	-	-
21	0.35 RD/BU	Right Front Wheel Speed Sensor Power Supply
22	0.35 OG/WH	Right Rear Wheel Speed Sensor Power Supply
23	0.35 GY/OG	Left Rear Wheel Speed Sensor Signal
24	0.35 GN/OG	Left Front Wheel Speed Sensor Power Supply
25	-	-
26	0.35 GN/WH	Right Front Wheel Speed Sensor Signal

Pin No.	Wire Diameter/Color	Function
27	-	-
28	-	-
29	-	-
30	4 RD/WH	Caliper and Valve Power Supply
31	0.35 WH/RD	EPB Switch 1
32	0.35 YE/RD	EPB Switch 4
33	-	-
34	-	-
35	-	-
36	0.5 OG/BK	IG1 Power Supply
37	0.35 GN/YE	Right Rear Wheel Speed Sensor Signal
38	-	-
39	0.35 PK/GN	Left Rear Wheel Speed Sensor Power Supply
40	-	-
41	0.35 RD/BK	AVH Switch
42	-	-
43	-	-
44	-	-
45	-	-
46	4 BK	Caliper and Valve Grounding

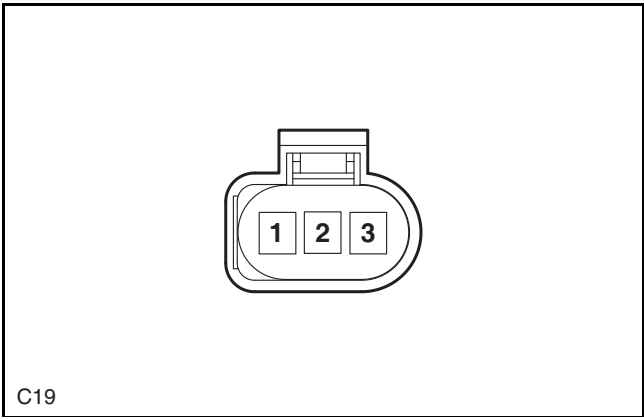
Brake Fluid Level Sensor



C17 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 GN/OG	Brake Fluid Level Sensor Signal
2	0.35 BK	Grounding

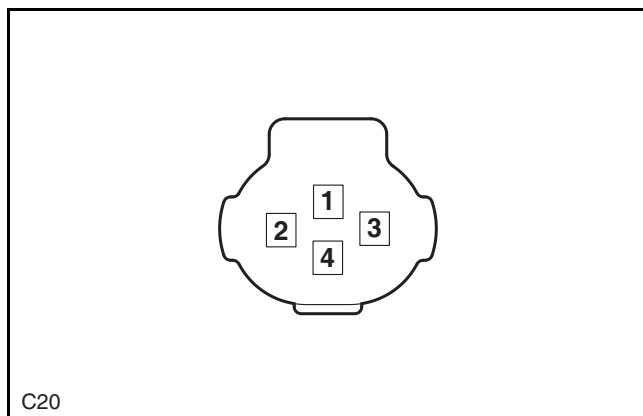
Vacuum Pressure Sensor



C19 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 OG/WH	Power Supply
2	0.35 BK/WH	Signal
3	0.35 WH/BU	Sensor Grounding

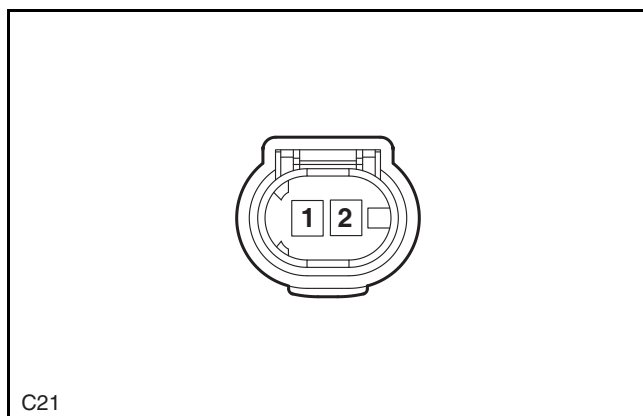
Refrigerant Pressure Sensor



C20 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 BK	Grounding
2	0.35 BK	Grounding
3	0.35 WH/GN	Medium Voltage Signal (To ECU)
4	0.35 VT	To A/C Controller

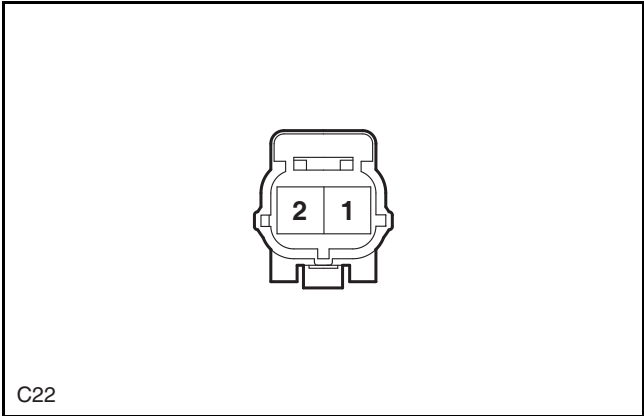
Wheel Speed Sensor - Right Front



C21 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 RD/BU	Right Front Wheel Speed Sensor Power Supply
2	0.35 GN/WH	Right Front Wheel Speed Sensor Grounding

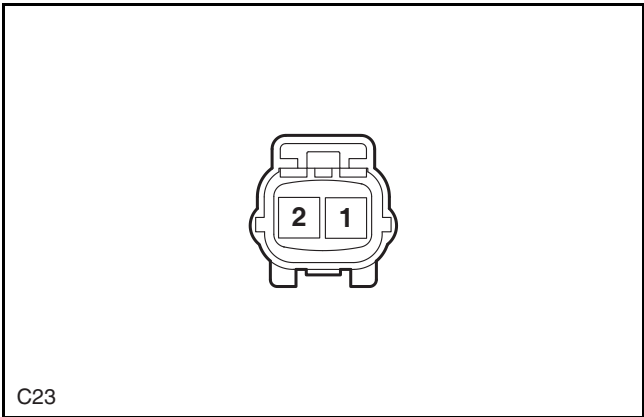
Front Washer Motor



C22 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.75 BK	Motor Power Supply Positive
2	0.75 VT	Motor Power Supply Negative

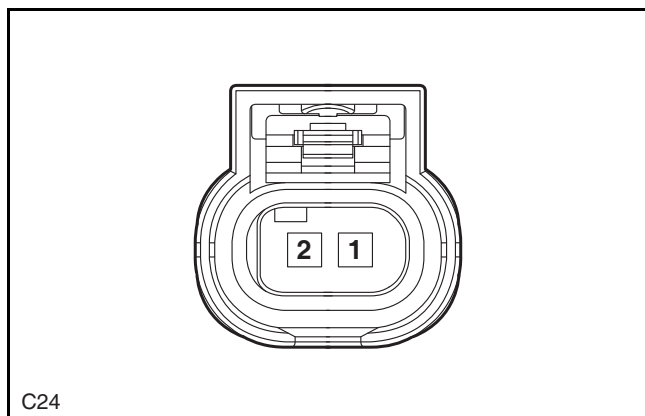
Rear Washer Motor



C23 Wiring Harness Connector Pin Definition

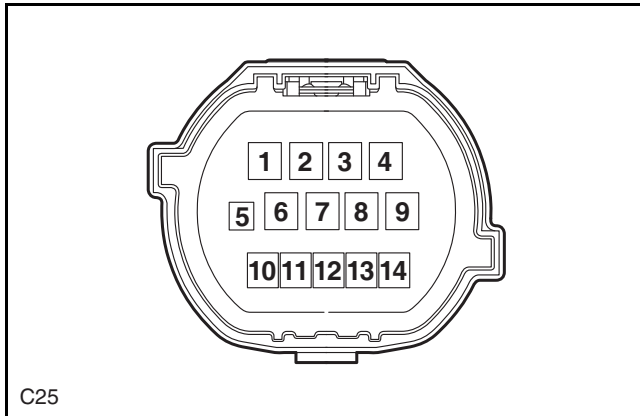
Pin No.	Wire Diameter/Color	Function
1	0.75 BK	Motor Power Supply Positive
2	0.75 VT	Motor Power Supply Negative

Right Front Collision Sensor

**C24 Wiring Harness Connector Pin Definition**

Pin No.	Wire Diameter/Color	Function
1	0.5 GN/BU	Right Front Collision Sensor Positive
2	0.5 GN/VT	Right Front Collision Sensor Negative

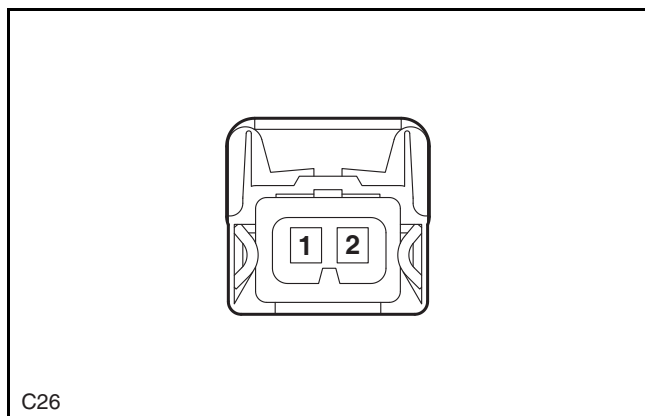
Right Front Combination Lamp



C25 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	1.0 BK	High/Low Beam Grounding
3	1.0 YE	High/Low Beam Power Supply
4	0.35 BU/GN	High Beam Signal
5	0.5 BN	Position Lamp +
6	0.5 BK	Auxiliary Low Beam/Turn Lamp Grounding
7	0.5 RD/WH	Daytime Running Lamp
8	-	-
9	-	-
10	0.35 BK	Light Adjustment Motor Grounding
11	0.35 GY	Light Adjustment Motor Signal
12	0.35 YE	Light Adjustment Motor Positive
13	0.35 WH	Turn Diagnosis
14	0.5 V	Right Turn Lamp Positive

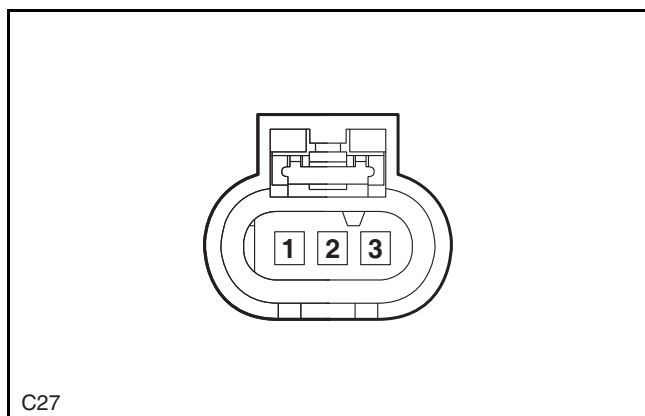
Electric Horn - 2



C26 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.75 WH	Horn Positive
2	0.75 BK	Horn Negative

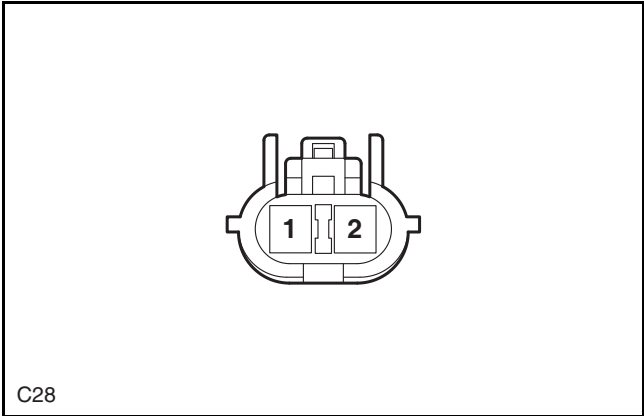
Coolant Pump



C27 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.75 WH	Main Relay Power Supply
2	0.5 RD/YE	Coolant Pump Signal
3	0.75 BK	Coolant Pump Grounding

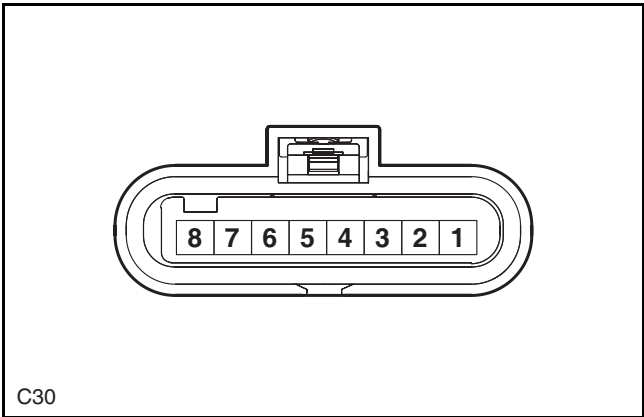
Outside Temperature Sensor



C28 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 WH/RD	Temperature Sensor Signal
2	0.35 BU/WH	Temperature Sensor Grounding

Self-adaptive Cruise ACC

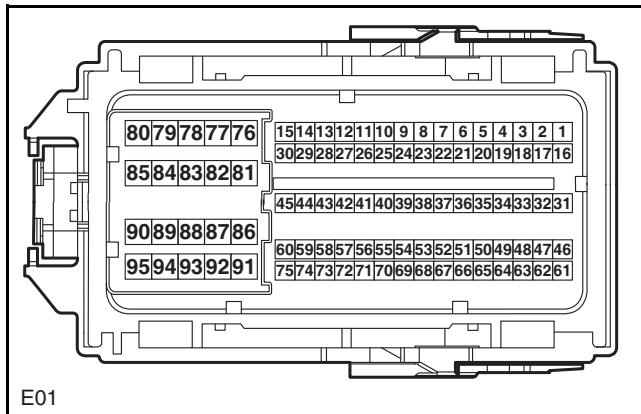


C30 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	-	-
3	-	-
4	-	-
5	0.35 BK	Grounding
6	0.35 BU/YE	CAN-L
7	0.35 BU	CAN-H
8	0.5 OG	IG1

Engine Wiring Harness Connector (E--)

ECU-A



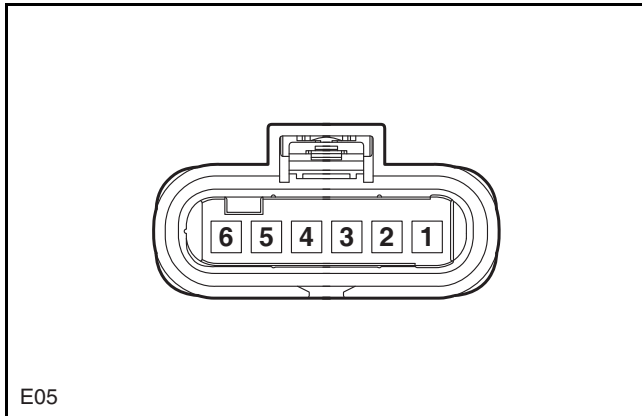
E01 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 GN/RD	Fuel Injector 1 Power Supply
2	0.5 BU/RD	Power Supply
3	0.5 PK/BU	Fuel Rail Pressure Sensor Power Supply
4	-	-
5	-	-
6	0.5 BU	Electronic Throttle Grounding
7	0.5 VT/WH	Fuel Tank Pressure Sensor Grounding
8	0.5 YE	Oil Pressure Alarm Grounding
9	0.5 YE/BU	Boost Pressure/Temperature Grounding
10	0.5 YE/GN	Exhaust Camshaft Sensor Grounding
11	0.5 OG/BK	Intake Camshaft Sensor Grounding
12	0.85 PK	Ignition Coil 2 Signal
13	0.85 LG/RD	Ignition Coil 4 Signal
14	0.85 WH/YE	Ignition Coil 1 Signal
15	0.85 WH/GN/	Ignition Coil 3 Signal
16	0.5 RD/BU	Electronic Throttle Valve 5V Power Supply
17	0.5 PK/BK	Exhaust Camshaft Sensor Power Supply
18	0.5 GN	Speed Sensor A End
19	0.5 BU/OG	1st GPF Differential Pressure Sensor
20	0.5 RD	Speed Sensor B End
21	-	-
22	0.5 BU/GN	Coolant Temperature Sensor Signal
23	0.5 PK/BU	Oil Pressure Alarm Signal
24	-	-
25	-	-

Pin No.	Wire Diameter/Color	Function
26	0.5 WH	-
27	0.5 BN/BU	Boost Pressure Signal
28	0.5 RD/BN	Boost Pressure Signal
29	0.5 BK/WH	Boost Pressure/Temperature Signal
30	0.5 GY	Intake Camshaft Sensor Signal
31	0.5 LG	Fuel Tank Pressure Sensor Signal
32	0.5 PK/GN	Electric Wiring Harness Conduit Signal
33	-	-
34	0.5 BK/GN	Throttle Position Sensor Signal 2
35	-	-
36	0.5 BN/WH	Fuel Rail Pressure Sensor Signal
37	0.5 OG	2nd GPF Differential Pressure Sensor
38	0.5 WH/BU	Boost Pressure/Temperature Signal
39	-	-
40	0.5 GY/BK	Throttle Position Sensor Signal 1
41	-	-
42	0.5 VT/YE	Sensor Grounding
43	-	-
44	-	-
45	0.5 RD/WH	Exhaust Camshaft Sensor Signal
46	0.5 RD	Knock Sensor +
47	0.5 WH/BU	Knock Sensor -
48	-	-
49	-	-
50	-	-
51	-	-
52	-	-
53	-	-
54	0.5 BN/YE	Position Signal
55	-	-
56	-	-
57	0.5 BN	Speed Sensor Shield Grounding
58	-	-
59	-	-
60	-	-
61	-	-
62	-	-
63	-	-

Pin No.	Wire Diameter/Color	Function
64	-	-
65	-	-
66	-	-
67	-	-
68	-	-
69	-	-
70	-	-
71	-	-
72	-	-
73	-	-
74	-	-
75	-	-
76	0.85 GY/BK	Fuel Injector 4 Power Supply
77	0.85 BK/YE	Fuel Injector 4 Control Signal
78	0.85 RD/YE	Fuel Injector 1 Control Signal
79	0.85 BN/WH	Fuel Injector 3 Power Supply
80	0.85 RD/GN	Fuel Injector 2 Power Supply
81	0.75 VT/BN	Control -
82	0.75 BK/RD	Control +
83	0.85 BU/BK	2nd GPF Differential Pressure Sensor
84	0.85 WH/RD	Fuel Injector 3 Control Signal
85	0.85 YE/RD	Fuel Injector 2 Control Signal
86	0.85 PK/WH	Electronic Throttle Valve Control -
87	-	-
88	-	-
89	-	-
90	0.5 OG	Oil Pressure Control Valve -
91	0.85 GN/BK	Electronic Throttle Valve Control +
92	-	-
93	-	-
94	-	-
95	0.5 PK	Oil Pressure Control Valve +

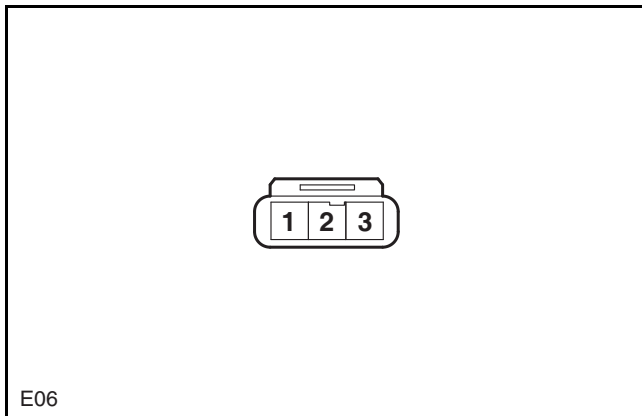
Electronic Shift Actuator



E05 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 WH/RD	5V Power Supply
2	0.5 BU/RD	Position Feedback Signal
3	0.5 GN/RD	Grounding
4	1.0 RD/BU	Shift Actuator Motor Positive
5	1.0 BK	Shift Actuator Motor Negative
6	-	-

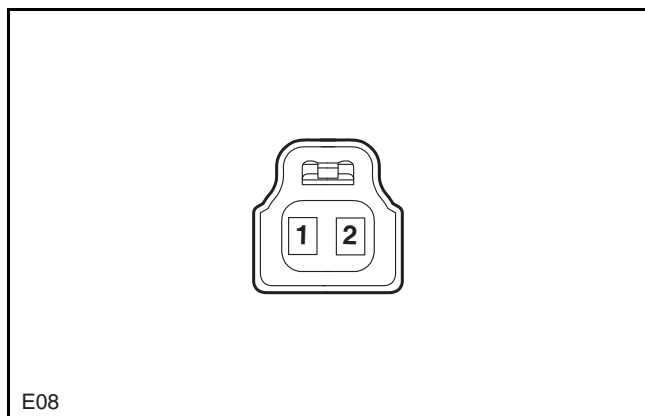
Fuel Rail Pressure Sensor



E06 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 YE	Grounding
2	0.5 BN/WH	Fuel Rail Pressure Sensor Signal
3	0.5 PK/BU	Power Supply

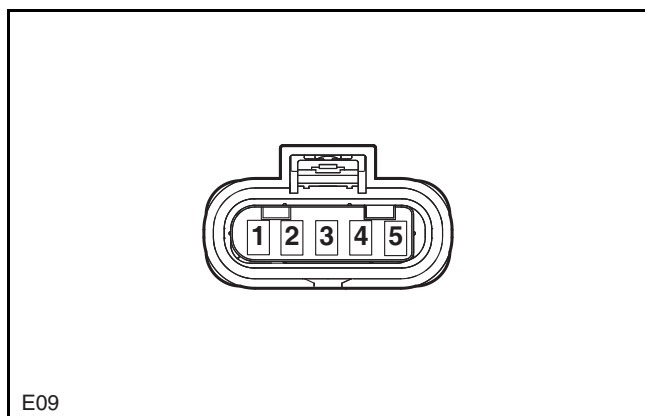
Electronic Thermostat



E08 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 YE	Power Supply
2	0.5 BN/WH	Control Signal

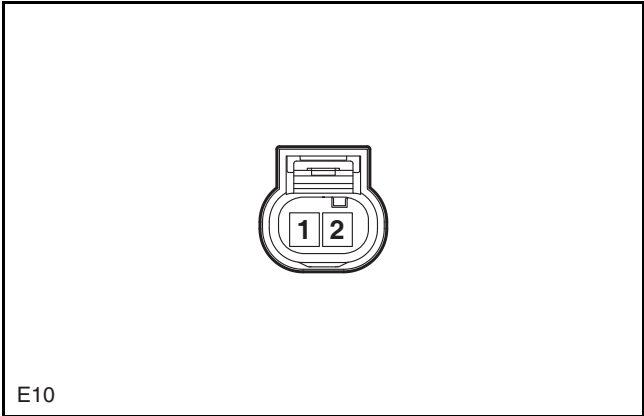
Linear Oxygen Sensor



E09 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 BN	Linear Oxygen
2	0.85 WH/GN	Power Supply
3	0.85 WH/RD	Linear Oxygen Sensor Heater
4	0.5 OG/BU	Linear Oxygen VM
5	0.5 WH/BK	Linear Oxygen IP

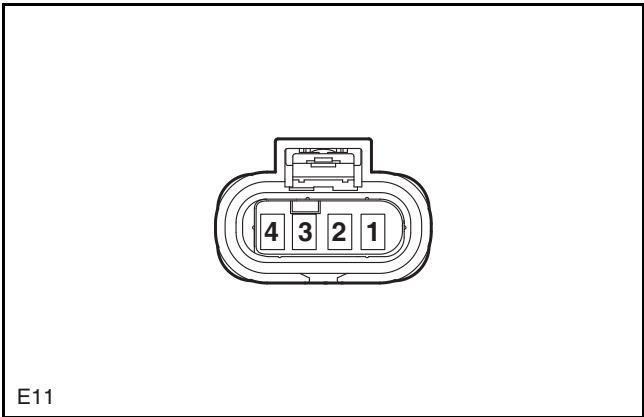
Coolant Temperature Sensor



E10 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 BU/GN	Coolant Temperature Sensor Signal
2	0. 5 VT/WH	Coolant Temperature Sensor Grounding

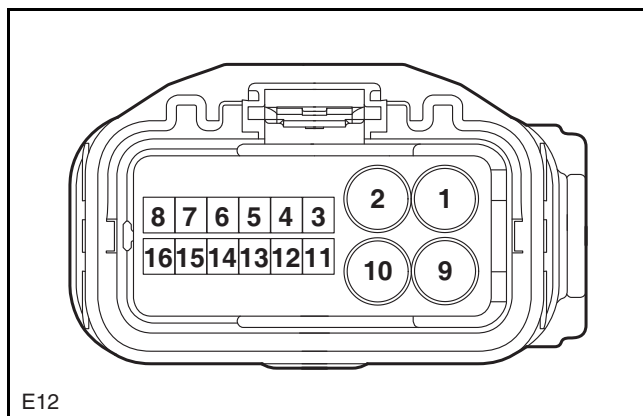
Switch Oxygen Sensor



E11 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 BU/BN	Switch Oxygen Sensor Signal
2	0.5 GY/GN	Grounding
3	0.5 OG/BK	Switch Oxygen Sensor Heater
4	0.5 WH/GN	Power Supply

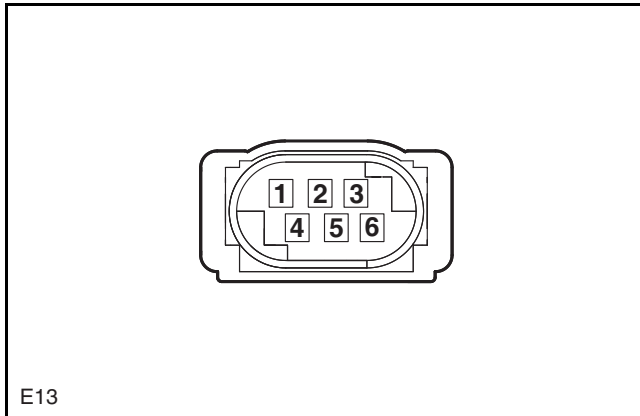
TCU



E12 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	1.25 RD/WH	Power Supply
2	-	-
3	-	-
4	-	-
5	0.5 LG	P/N Position Switch
6	0.3 GN/BK	CAN-H
7	-	-
8	-	-
9	1.25 BK	Grounding
10	-	-
11	0.5 BU/BN	IG1
12	-	-
13	0.5 WH	Reverse Switch
14	0.3 GN	CAN-L
15	-	-
16	-	-

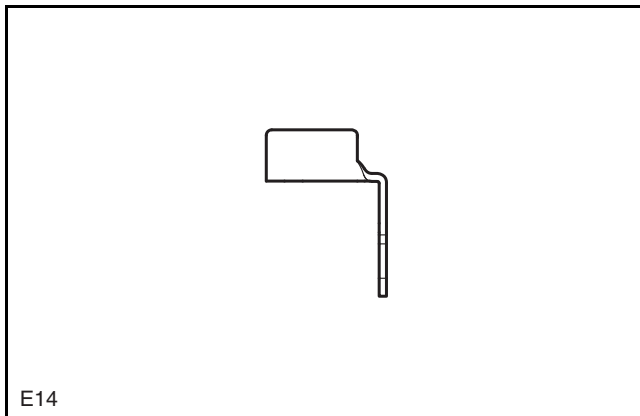
Electronic Throttle Valve



E13 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.85 PK/WH	Electronic Throttle Valve Control -
2	0.5 BU	Electronic Throttle Grounding
3	0.5 RD/BU	Electronic Throttle Valve 5V Power Supply
4	0.85 GN/BU	Electronic Throttle Valve Control +
5	0.5 BK/GN	Throttle Position Sensor Signal 2
6	0.5 GY/BK	Throttle Position Sensor Signal 1

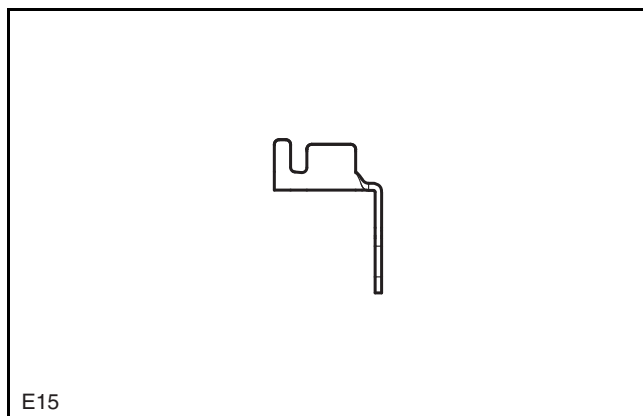
Starting Motor



E14 Wiring Harness Connector Pin Definition

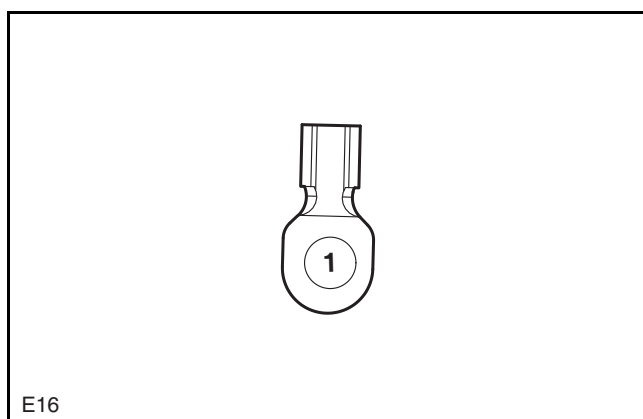
Pin No.	Wire Diameter/Color	Function
1	25 RD	Starting Motor Power Supply

Starting Motor Clutch

**E15 Wiring Harness Connector Pin Definition**

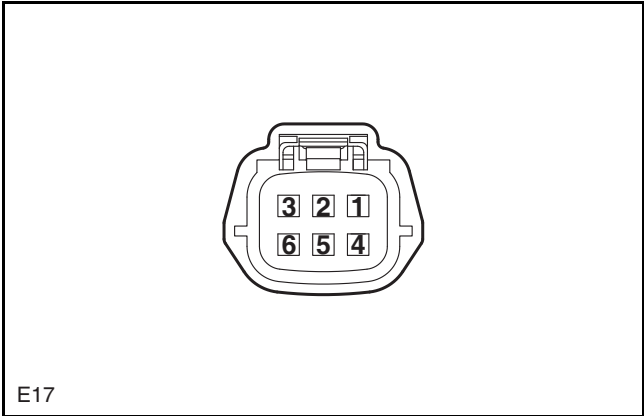
Pin No.	Wire Diameter/Color	Function
1	3.0 RD/BK	Starting Motor Signal

Alternator 1

**E16 Wiring Harness Connector Pin Definition**

Pin No.	Wire Diameter/Color	Function
1	25 RD	Alternator Power Supply Output

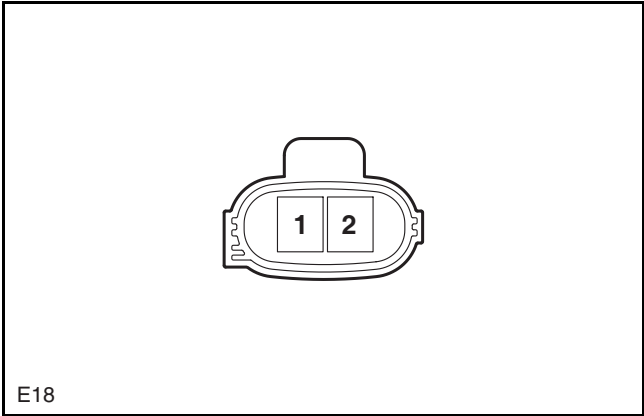
EPS Signal



E17 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.3 PK	CAN_L
2	0.3 RD/GN	CAN_H
3	0.5 BU/GN	IG1 Power Supply
4	-	-
5	-	-
6	-	-

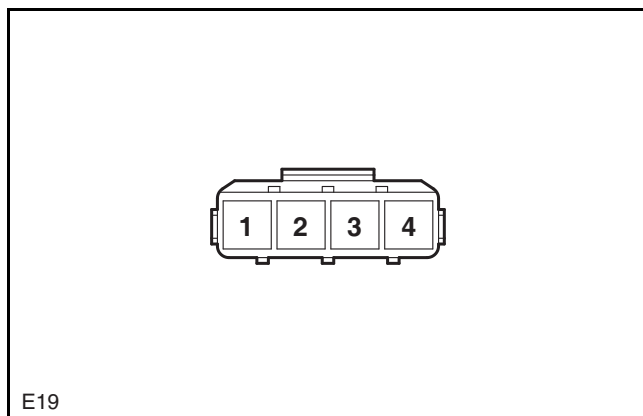
EPS Power Supply



E18 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	10.0 RD	EPS Power Supply
2	10.0 BK	EPS Grounding

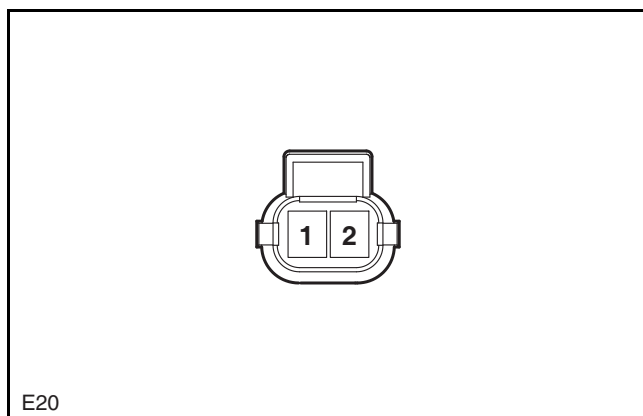
Boost Pressure/Temperature Sensor



E19 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 YE/BU	Boost Pressure Grounding
2	0.5 WH/BU	Boost Pressure/Temperature Signal
3	0.5 PK/BU	Boost Pressure 5V Power Supply
4	0.5 RD/BN	Boost Pressure Signal

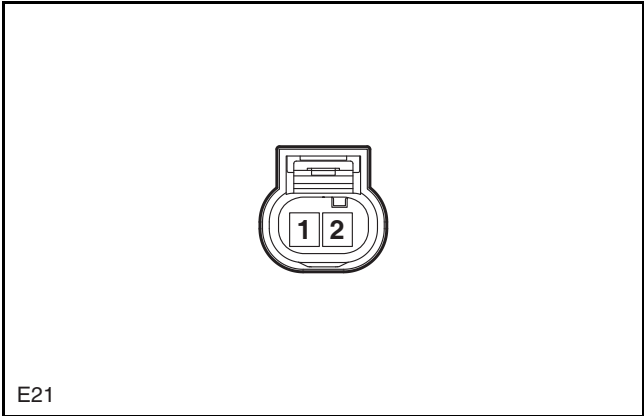
Knock Sensor



E20 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 RD	Knock Sensor +
2	0.5 WH/BU	Knock Sensor -

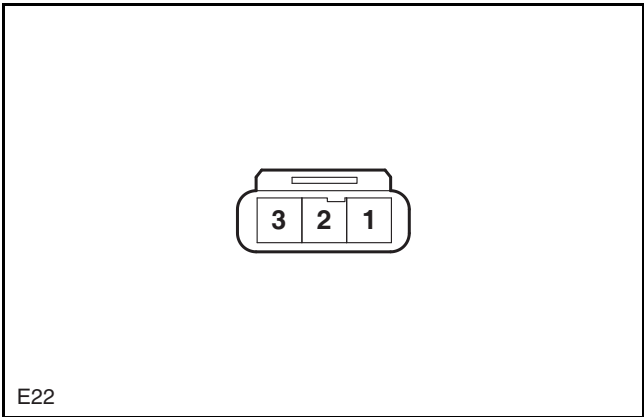
Variable Displacement Oil Pump



E21 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 PK/BU	Variable Displacement Oil Pump Signal
2	0.5 WH/GN	Variable Displacement Oil Pump Power Supply

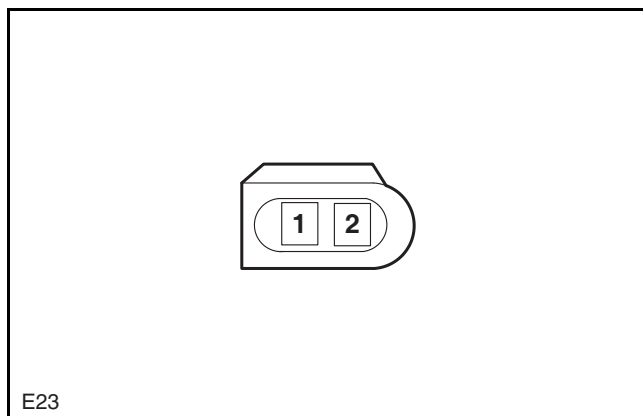
Crankshaft Position Sensor



E22 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 GN	Speed Sensor A End
2	0.5 RD	Speed Sensor B End
3	0.5 BN	Speed Sensor Shield Grounding

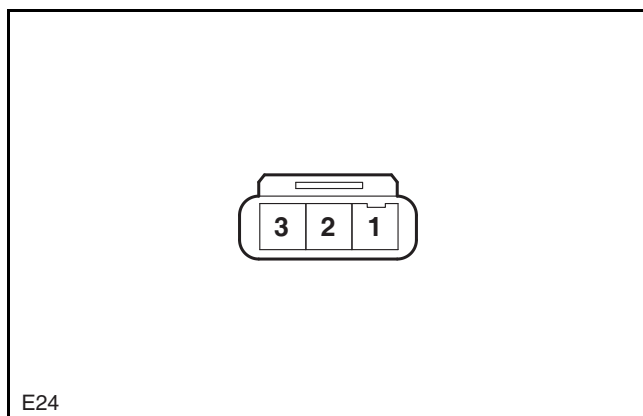
Alternator 2



E23 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	0.85 LG	LIN Line

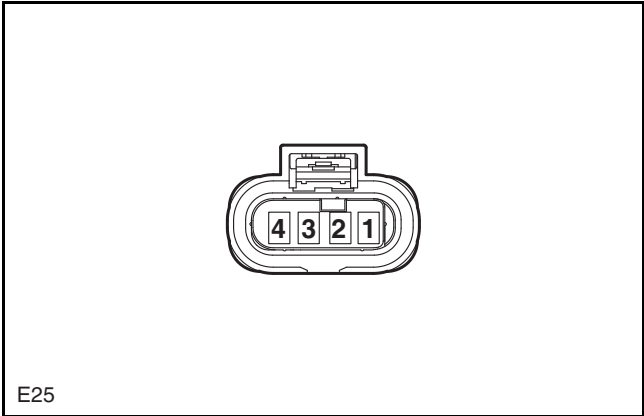
Desorption Pressure Sensor



E24 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 WH	Desorption Pressure Sensor Signal
2	0.5 YE/BU	Desorption Pressure Sensor Grounding
3	0.5 PK/BU	Desorption Pressure Sensor Power Supply

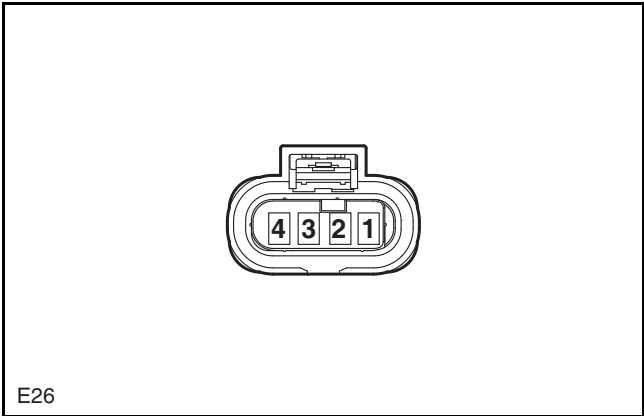
Ignition Coil 1



E25 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	1.25 BK/WH	Grounding
2	0.75 WH/YE	Ignition Coil Signal
3	1.25 BK	Grounding
4	1.25 BK/BU	Ignition Coil Power Supply

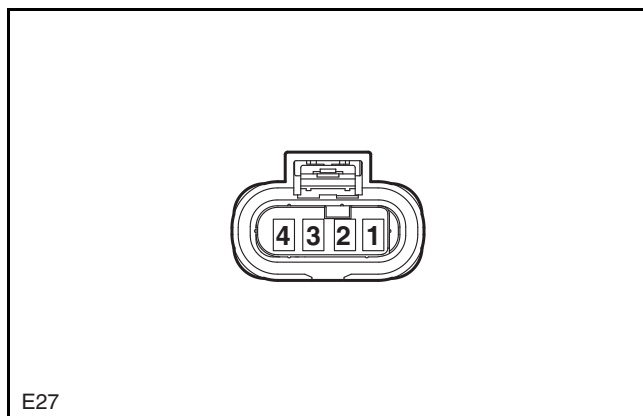
Ignition Coil 2



E26 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	1.25 BK/WH	Grounding
2	0.75 PK	Ignition Coil Signal
3	1.25 BK	Grounding
4	1.25 BK/BU	Ignition Coil Power Supply

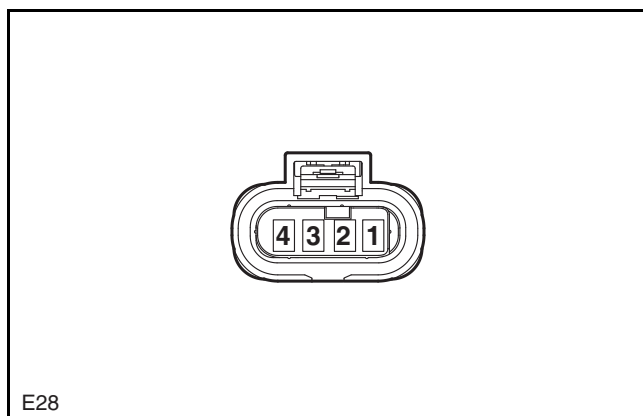
Ignition Coil 3



E27 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	1.25 BK/WH	Grounding
2	0.75 WH/GN	Ignition Coil Signal
3	1.25 BK	Grounding
4	1.25 BK/BU	Ignition Coil Power Supply

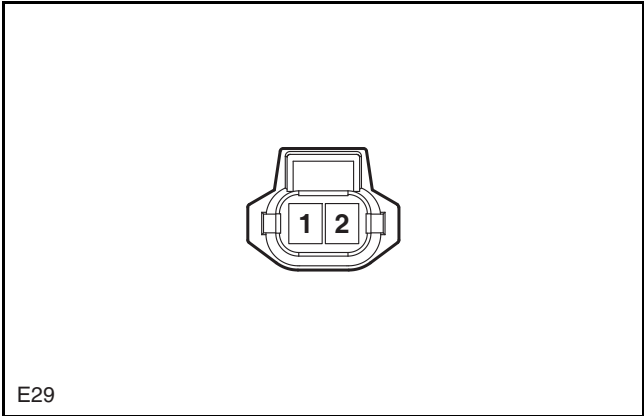
Ignition Coil 4



E28 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	1.25 BK/WH	Grounding
2	0.75 LG/RD	Ignition Coil Signal
3	1.25 BK	Grounding
4	1.25 BK/BU	Ignition Coil Power Supply

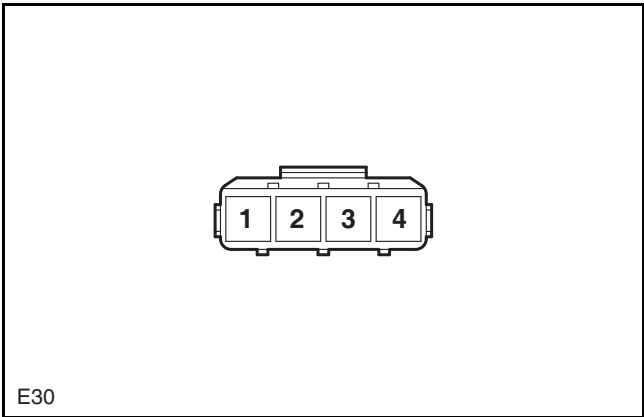
High Pressure Oil Pump



E29 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 PK	Oil Pressure Control Valve +
2	0.5 OG	Oil Pressure Control Valve -

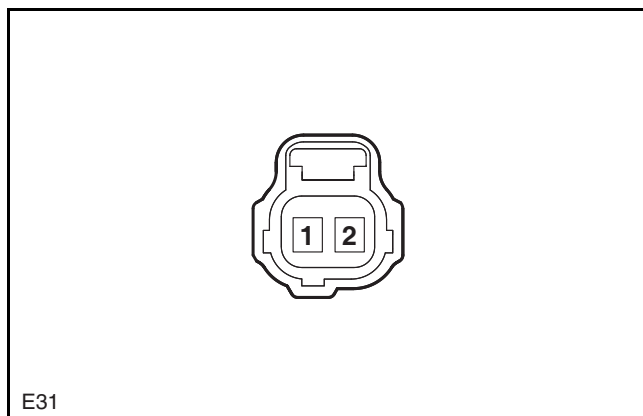
Boost Pressure/Temperature Sensor Intercooling



E30 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 YE/BU	Boost Pressure/Temperature Grounding
2	0.5 BK/WH	Boost Pressure/Temperature Signal
3	0.5 PK/BU	Boost Pressure/Temperature Power Supply
4	0.5 BN/BU	Boost Pressure Signal

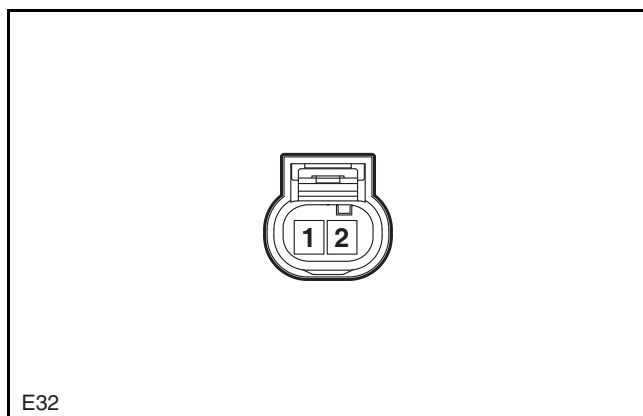
Air Intake Pressure Discharge Valve



E31 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.85 WH/GN	Air Intake Pressure Discharge Valve Power Supply
2	0.5 WH	Air Intake Pressure Discharge Valve Signal

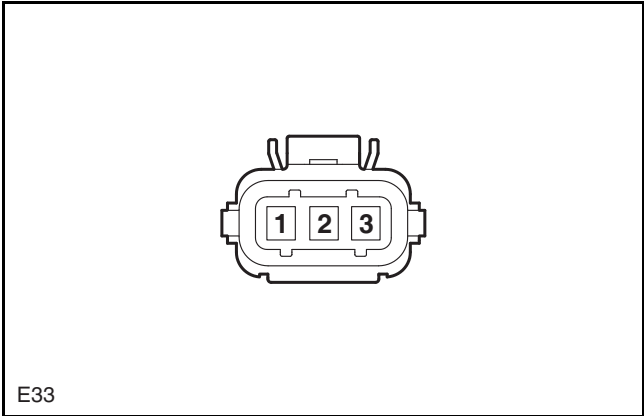
Carbon Canister Control Valve



E32 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.85 WH/GN	Carbon Canister Control Valve Power Supply
2	0.5 BU/GN	Canister Control Valve Signal

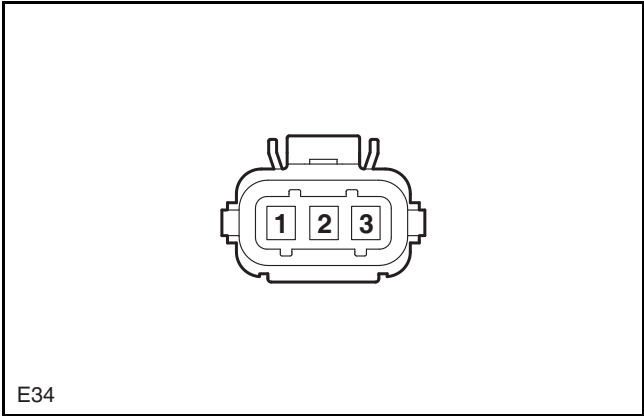
Exhaust Camshaft Sensor



E33 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 YE/GN	Exhaust Camshaft Sensor Grounding
2	0.5 RD/WH	Exhaust Camshaft Sensor Signal
3	0.5 PK/BK	Exhaust Camshaft Sensor Power Supply

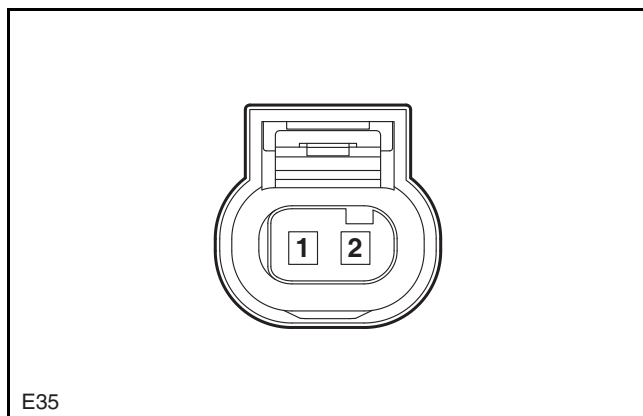
Intake Camshaft Sensor



E34 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 OG/BK	Intake Camshaft Sensor Grounding
2	0.5 GY	Intake Camshaft Sensor Signal
3	0.5 PK/BK	Intake Camshaft Sensor Power Supply

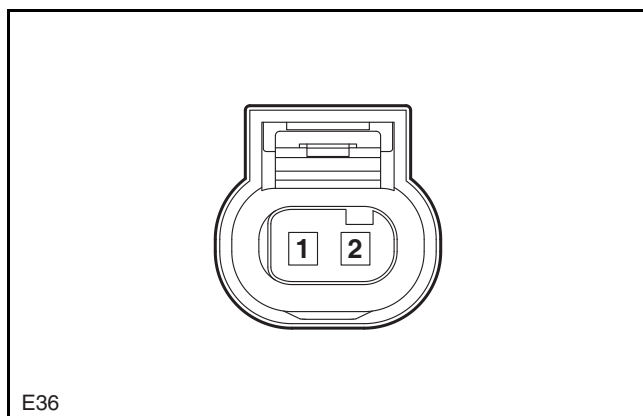
Intake OCV



E35 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 YE/WH	Intake OCV Signal
2	0.85 WH/GN	Intake OCV Power Supply

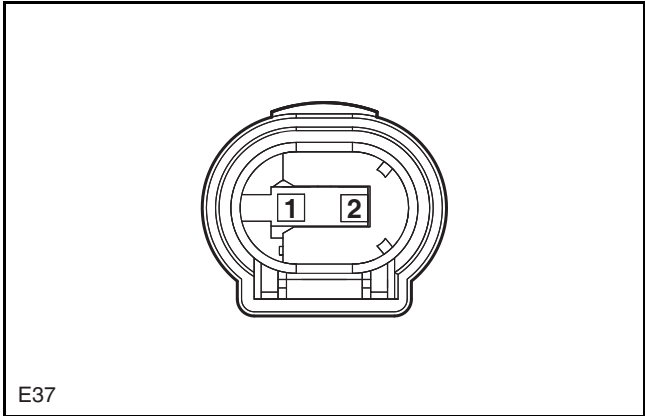
Exhaust OCV



E36 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 YE/WH	Exhaust OCV Signal
2	0.85 WH/GN	Exhaust OCV Power Supply

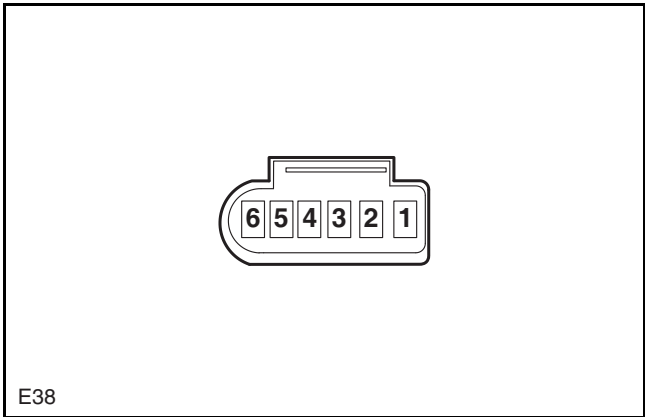
Electric Wiring Harness Conduit



E37 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	035 PK	Electric Wiring Harness Conduit Signal
2	0.5 YE/BU	Electric Wiring Harness Conduit Grounding

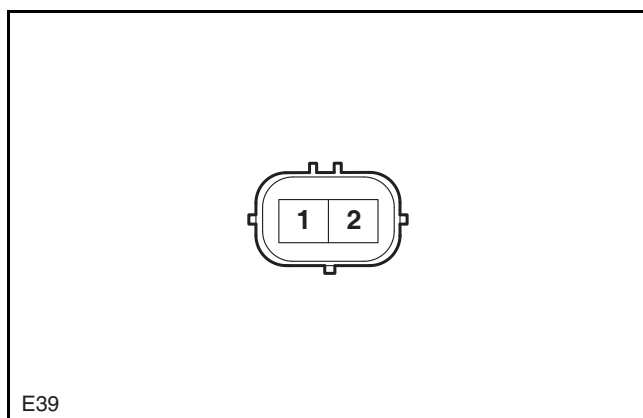
Exhaust Bypass Actuator



E38 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 VT/WH	Grounding
2	0.5 BN/YE	Position Signal
3	0.5 GN/RD	Power Supply
4	0.75 BK/RD	Control +
5	0.75 VT/BK	Control -
6	-	-

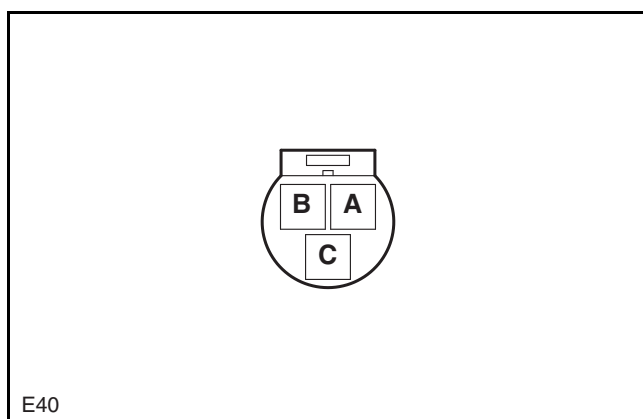
Compressor Clutch



E39 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.75 RD/BK	Compressor Clutch Power Supply

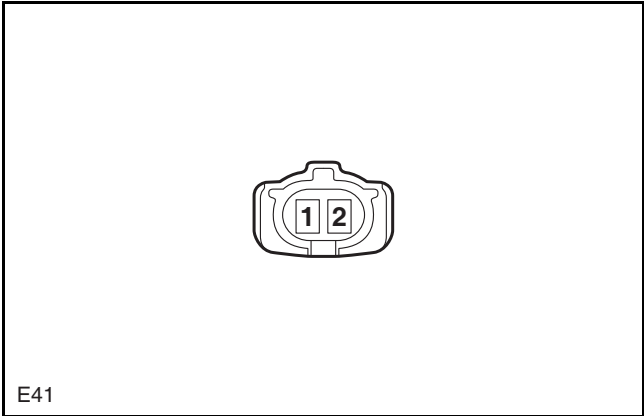
Oil Pressure Alarm Assembly



E40 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 YE	Oil Pressure Alarm Power Supply
2	0.5 GN/RD	Oil Pressure Alarm Grounding
3	0.5 PK/BU	Oil Pressure Alarm Signal

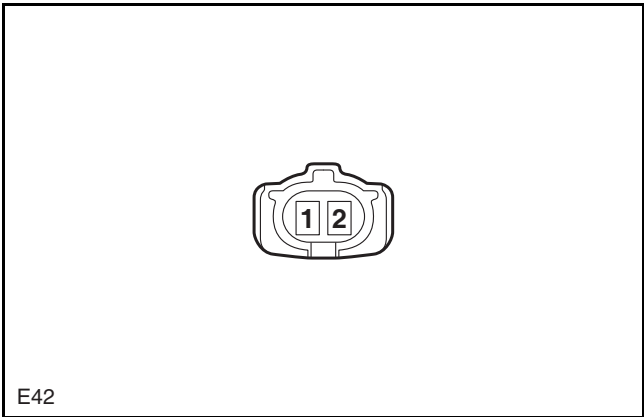
Fuel Injector 1



E41 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.85 BU/BK	Fuel Injector 1 Power Supply
2	0.85 RD/YE	Fuel Injector 1 Control Signal

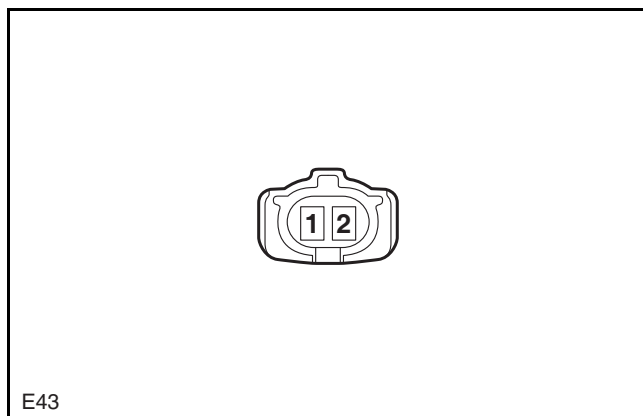
Fuel Injector 2



E42 Wiring Harness Connector Pin Definition

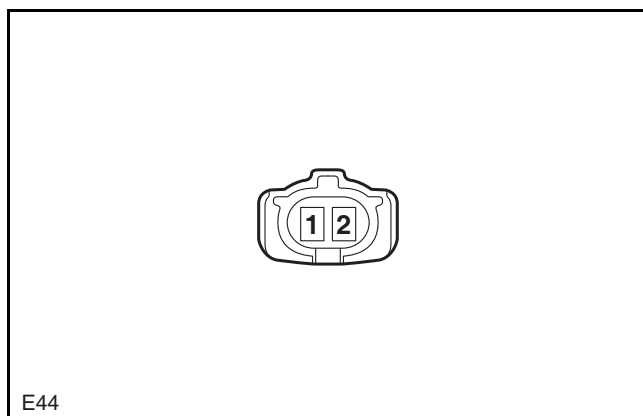
Pin No.	Wire Diameter/Color	Function
1	0.85 RD/GN	Fuel Injector 2 Power Supply
2	0.85 YE/RD	Fuel Injector 2 Control Signal

Fuel Injector 3

**E43 Wiring Harness Connector Pin Definition**

Pin No.	Wire Diameter/Color	Function
1	0.85 BN/WH	Fuel Injector 3 Power Supply
2	0.85 WH/RD	Fuel Injector 3 Control Signal

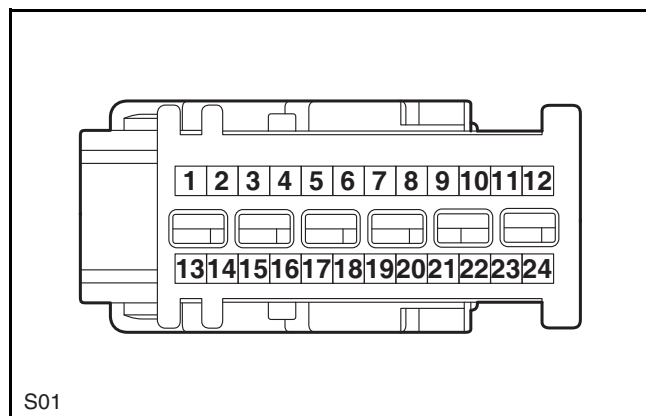
Fuel Injector 4

**E44 Wiring Harness Connector Pin Definition**

Pin No.	Wire Diameter/Color	Function
1	0.85 GY/BK	Fuel Injector 4 Power Supply
2	0.85 BK/WH	Fuel Injector 4 Control Signal

Chassis Wiring Harness Connector (S)

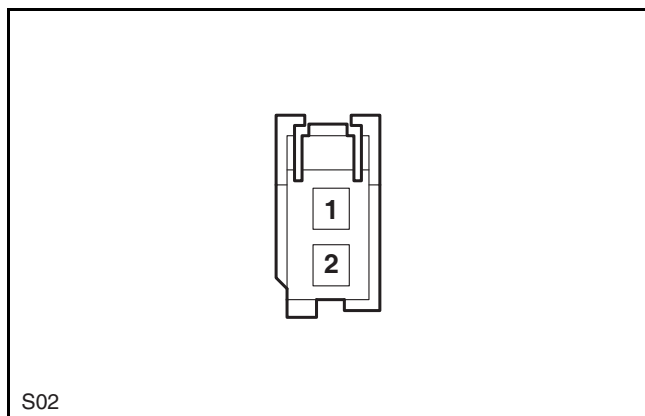
Airbag Control Unit B



S01 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	0.5 WH	Front Passenger Side Collision Sensor Negative
10	0.5 PK/WH	Front Passenger Side Collision Sensor Positive
11	0.5 BN/GN	Driver Side Collision Sensor Positive
12	0.5 VT	Driver Side Collision Sensor Negative
13	-	-
14	-	-
15	-	-
16	-	-
17	0.5 WH/RD	Front Passenger Side Airbag Negative
18	0.5 RD/GN	Front Passenger Side Airbag Positive
19	0.5 VT/GN	Driver Side Airbag Positive
20	0.5 PK/BU	Driver Side Airbag Negative
21	0.5 GY	Passenger Side Curtain Shield Airbag -
22	0.5 BU	Passenger Side Curtain Shield Airbag +
23	0.5 BU	Driver Side Curtain Shield Airbag +
24	0.5 GY	Driver Side Curtain Shield Airbag -

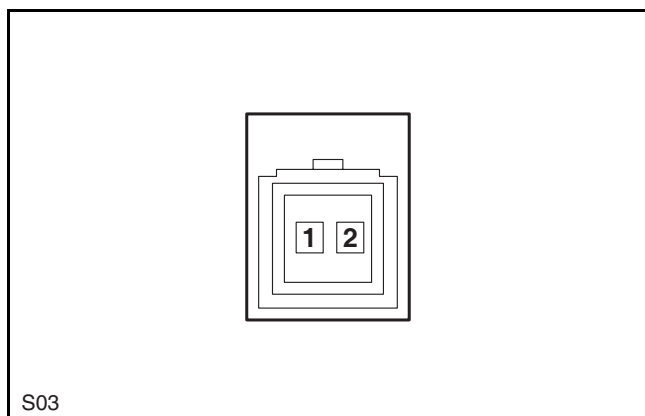
Front Passenger Seat Sensor



S02 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 WH/GN	Front Passenger Seat Sensor Grounding
2	0.35 WH/RD	Front Passenger Seat Sensor Power Supply

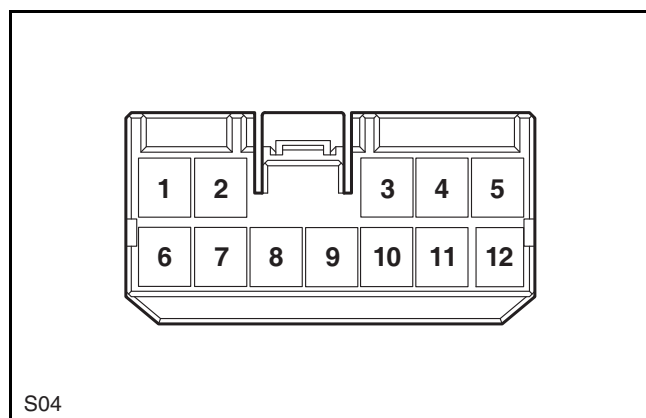
Front Passenger Side Airbag



S03 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 RD/GN	Front Passenger Side Airbag Negative
2	0.35 WH/RD	Front Passenger Side Airbag Positive Power Supply

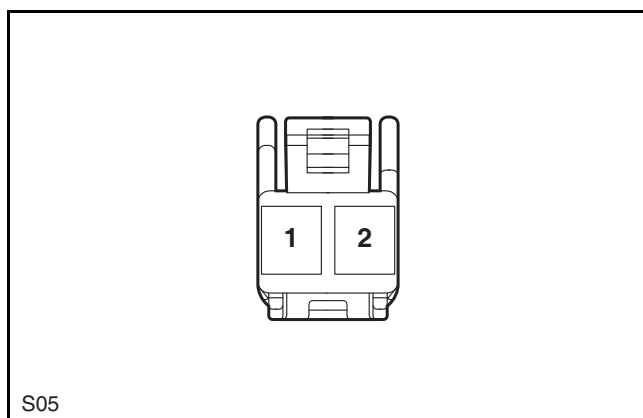
Seat Heater Controller (Sub)



S04 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1 Russia	2.5 BK	Electric Regulator Grounding
1 G.C.C.	2.5 R/BU	Heater +
2	-	-
3	-	-
4	-	-
5 Russia	2.5 RD/BU	Electric Regulator Power Supply
5 G.C.C.	2.5 BK	Grounding
6 Russia	1.0 BK	Heater -
6 G.C.C.	0.35 BN	Heater -
7 Russia	0.35 PK	NTC-
7 G.C.C.	0.35 GN/RD	NTC-
8 Russia	0.35 GN/RD	NTC+
8 G.C.C.	0.35 GN/WH	NTC+
9 Russia	1.0 BN	Heater +
10	0.5 BK	Blower -
11	0.35 WH/GN	Blower PWM
12	0.5 WH/VT	IG1 Power Supply

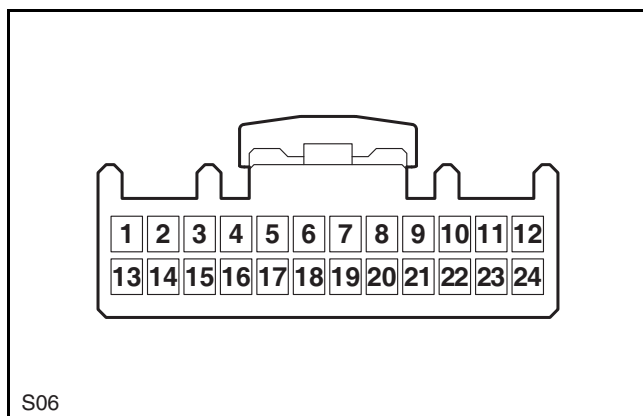
Front Passenger Seat Belt Switch



S05 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 WH/YE	Front Passenger Seat Belt Switch Power Supply
2	0.35 WH/RD	Front Passenger Seat Belt Switch Grounding

Reversing Radar Controller

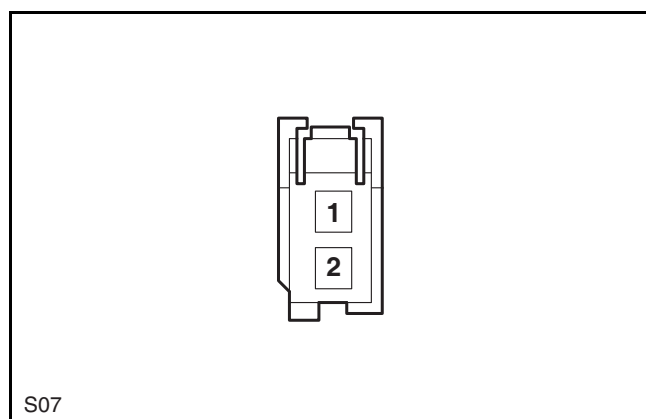


S06 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	-	-
3	0.35 OG	Left Front Radar Sensor
4	0.35 BU/BK	Right Front Radar Sensor
5	0.35 PK	ICAN-H
6	0.35 PK/BK	ICAN-L
7	-	-
8	-	-
9	0.35 GN/YE	Right Middle Rear Reversing Radar Sensor Signal
10	0.35 GN/RD	Right Rear Reversing Radar Sensor Signal
11	0.35 RD/BU	Left Front Radar Sensor Power Supply

Pin No.	Wire Diameter/Color	Function
12	0.35 BK/WH	IG1 Power Supply
13	0.35 WH/BK	Left Front Radar Sensor Grounding
14	0.35 WH	Rear Reversing Radar Sensor Grounding
15	0.35 BK	Grounding
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	0.35 OG/BK	Left Middle Rear Reversing Radar Sensor Signal
22	0.35 GN/BU	Left Rear Reversing Radar Sensor Signal
23	0.35 WH/RD	Rear Reversing Radar Sensor Power Supply
24	-	-

2nd Row USB1

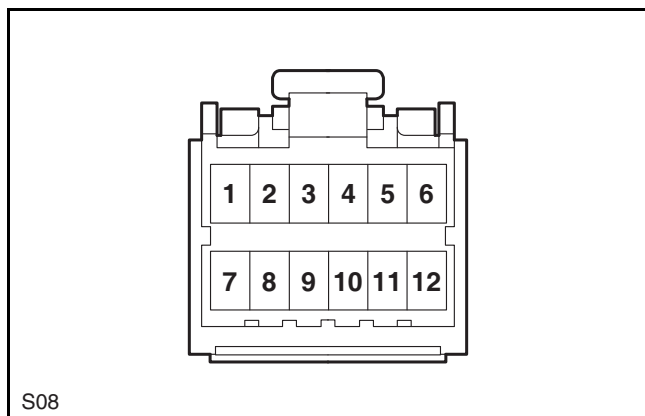


S07

S07 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 BK	ACC Power Supply
2	0.5 VT/WH	Grounding

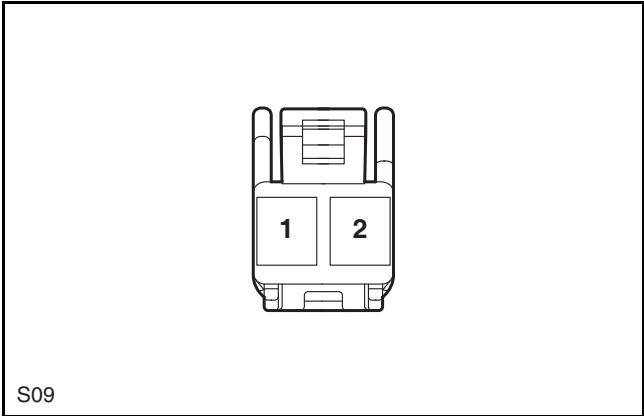
Rear Seat Heater Switch



S08 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 WH	Rear Right Heater Switch Signal
2	0.35 YE	Rear Right Heater Switch Signal
3	0.35 WH/GN	Rear Right Heater Low Gear Operating Indicator Signal
4	0.35 WH/BK	Rear Right Heater High Gear Operating Indicator Signal
5	0.35 RD/YE	ILL+
6	0.35 BK	GND
7	0.35 BK	GND
8	-	-
9	-	-
10	0.35 YE/BK	Rear Left Heater High Gear Operating Indicator Signal
11	0.35 YE/GN	Rear Left Heater Low Gear Operating Indicator Signal
12	0.5 WH/VT	IGN

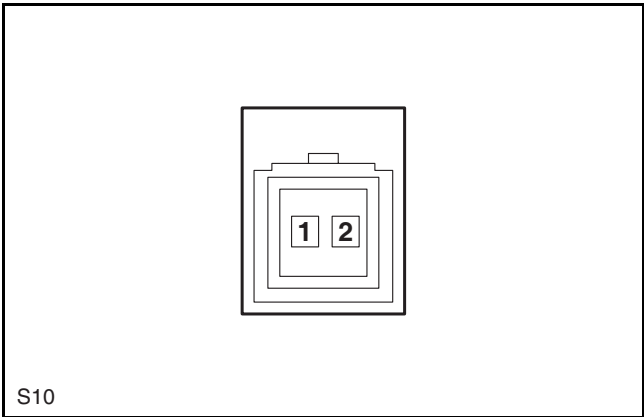
Driver Seat Belt Switch



S09 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 OG/BK	Driver Seat Belt Switch Power Supply
2	0.35 WH/GN	Driver Seat Belt Switch Grounding

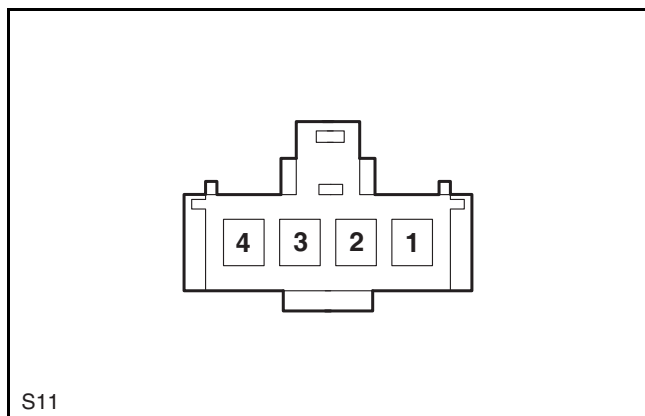
Driver Side Airbag



S10 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0. 5 VT/GN	Driver Side Airbag -
2	0.5 PK/BU	Driver Side Airbag +

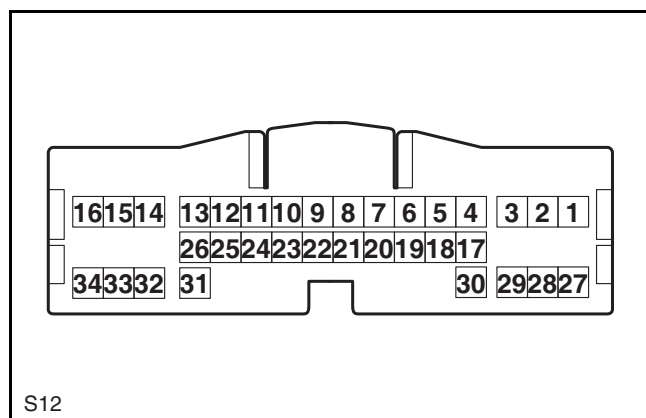
Headrest Speaker



S11 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 RD/BU	Headrest Speaker Left -
2	0.5 WH/YE	Headrest Speaker Left +
3	0.5 BU/WH	Headrest Speaker Right -
4	0.5 PK/WH	Headrest Speaker Right +

Seat Heater Controller (Main)

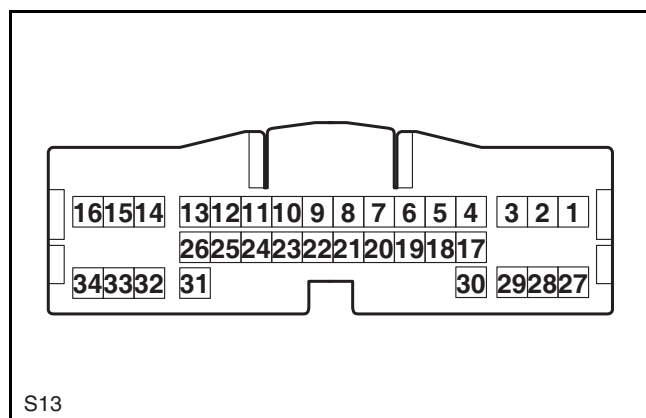


S12 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	2.5 RD/YE	Driver Electric Regulator Power Supply
2	1.5 RD	Driver Heater Power Supply
3 G.C.C.	0.35 BK/WH	IG1 Power Supply
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	0.35 GN/BK	CAN-L
13	0.35 GN	CAN-H
14 G.C.C.	0.35 BK	Grounding
15	1.5 BK	Grounding
16	2.5 BK	Grounding
17 G.C.C.	0.35 BN	Heater -
18 G.C.C.	0.35 GN/RD	NTC-
19	-	-
20	-	-
21	-	-
22	-	-
23	-	-
24	-	-
25	-	-
26	-	-

Pin No.	Wire Diameter/Color	Function
27 Russia	1 BU	Heater +
28	-	-
29 Russia	0.35 BK/WH	IG1 Power Supply
30 Russia	0.35 GN/RD	NTC+
31 Russia	0.35 GN/WH	NTC-
32	-	-
33 G.C.C.	0.35 GN/WH	Blower -
34 Russia	1 GN	Heater -

Seat Memory Controller

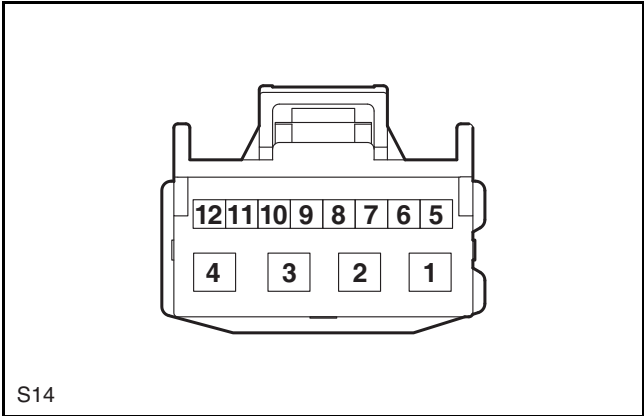


S13 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 W	Rearview Mirror Position Sensor Grounding
2	0.35 WH/RD	Rearview Mirror Position Sensor Power Supply
3	1.5 RD	Driver Heater Power Supply
4	0.35 BU	Left Rearview Mirror Horizontal Adjustment Output
5	0.35 BU/WH	Left Rearview Mirror Up-Down Adjustment Output
6	0.35 BU/WH	Left Rearview Mirror Horizontal Position Sensor
7	0.35 BN/WH	Left Rearview Mirror Up-Down Position Sensor
8	0.35 LG	Right Rearview Mirror Up-Down Adjustment Output
9	0.35 BU/GN	Right Rearview Mirror Horizontal Adjustment Output
10	0.35 BU/GN	Right Rearview Mirror Horizontal Position Sensor
11	0.35 LG/BK	Right Rearview Mirror Up-Down Position Sensor
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	0.35 YE/RD	Memory Setting Switch LED Driver
20	0.35 YE/BK	Seat Memory Setting Button
21	0.35 VT/WH	Seat Memory Selection Button
22	0.35 PK/BK	Left Rearview Mirror Up-Down Output
23	0.35 PK/GN	Left Rearview Mirror Left-Right Output
24	0.35 PK/BU	Right Rearview Mirror Up-Down Output
25	0.35 RD/BU	Right Rearview Mirror Left-Right Output
26	0.5 VT/GN	Rearview Mirror Button Common End

Pin No.	Wire Diameter/Color	Function
27	2.5 RD/YE	Left Rearview Mirror Motor Adjustment Common End
28	0.35 YE/GN	Rearview Mirror Switch/Memory Switch/Driver/Front Passenger NTC -/Seat Switch Adjustment -
29	2.5 VT	Right Rearview Mirror Motor Adjustment Common End
30	0.35 PK	Seat Memory Setting Button
31	0.35 OG/BK	Seat Memory Selection Button
32	-	-
33	-	-
34	-	-

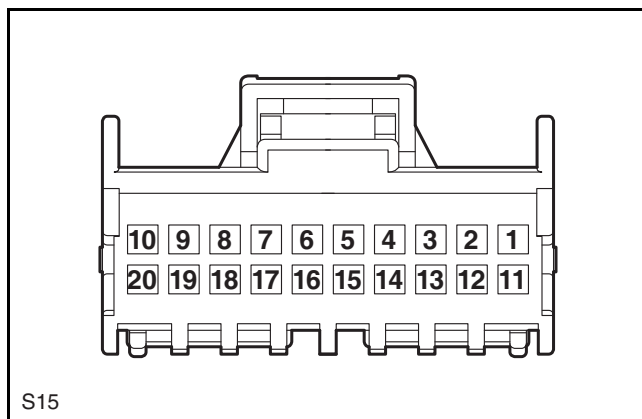
External Power Amplifier A



S14 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	1.0 YE	Constant Power Supply
2	1.0 YE	Constant Power Supply
3	1.0 BK	Grounding
4	1.0 BK	Grounding
5	0.5 GY/BK	FR-
6	0.5 GY/RD	FR+
7	0.5 WH/BK	FL-
8	0.5 VT/BK	FL+
9	0.5 PK/WH	RL-
10	0.5 RD/GN	RL+
11	0.5 GN/RD	RR-
12	0.5 GN/VT	RR+

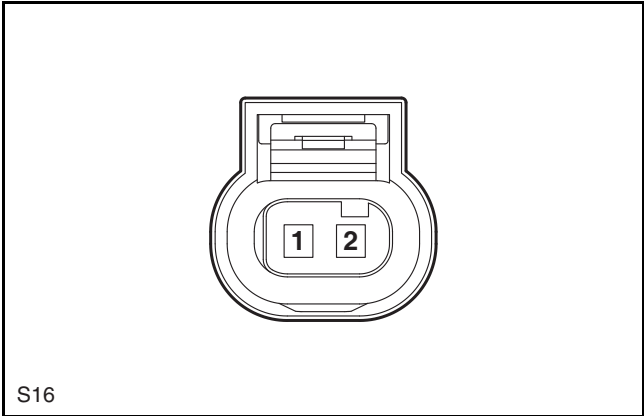
External Power Amplifier B



S15 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 VT	Middle Speaker +
2	0.5 BN	Surround Speaker +
3	0.5 RD/YE	Subwoofer -
4	0.5 OG/BK	Subwoofer +
5	0.5 WH/GN	Subwoofer -
6	0.5 WH/BK	Subwoofer +
7	-	-
8	-	-
9	0.5 VT	A2B Bus N
10	0.5 BU	A2B Bus P
11	0.5 VT/WH	Central Speaker -
12	0.5 OG	Surround Speaker -
13	0.5 RD/BU	Headrest Speaker Left -
14	0.5 WH/YE	Headrest Speaker Left +
15	0.5 BU/WH	Headrest Speaker Right -
16	0.5 PK/WH	Headrest Speaker Right +
17	0.35 BK/WH	IG1 Power Supply
18	-	-
19	0.35 PK/BK	ICAN-L
20	0.35 PK	ICAN-H

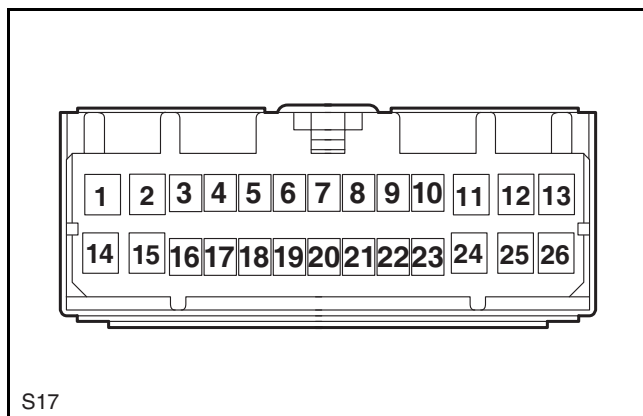
Driver Side Collision Sensor



S16 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 BN/GN	Side Collision Negative
2	0.5 VT	Side Collision Positive

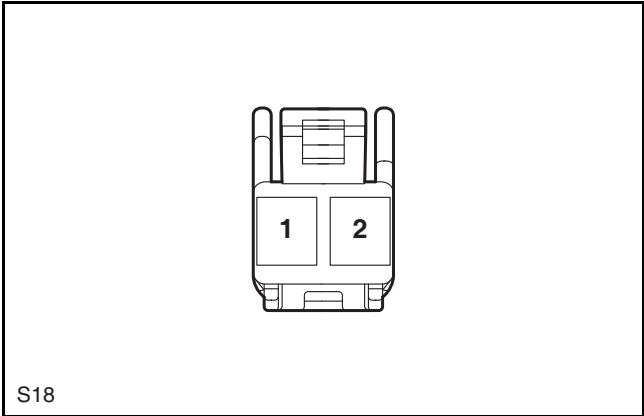
4WD Controller



S17 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	-	-
3	-	-
4	0.35 GY	4WD Switch Input
5	-	-
6	-	-
7	-	-
8	0.35 LG	CAN-H
9	0.35 LG/BK	CAN-L
10	-	-
11	0.75 RD	Coil Output Signal
12	0.75 BK	Grounding
13	0.75 OG	Constant Power Supply
14	-	-
15	-	-
16	0.35 BU	Mode Select Input
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	-	-
23	0.35 BU/YE	IG+
24	0.75 RD/WH	Coil Return Grounding Wire
25	-	-
26	-	-

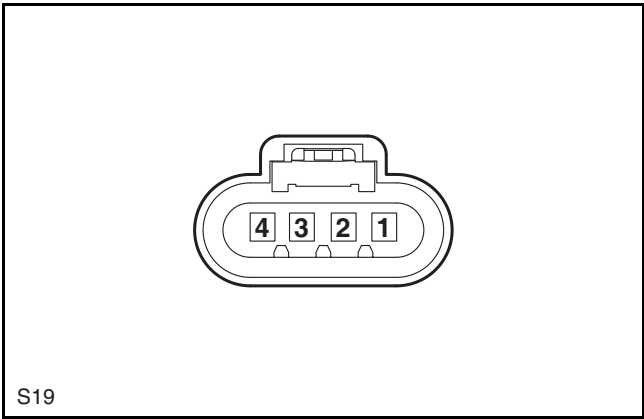
Left Front Door Contact Switch



S18 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 BK	Left Front Door Contact Switch Grounding
2	0.35 WH/BK	Left Front Door Contact Switch Power Supply

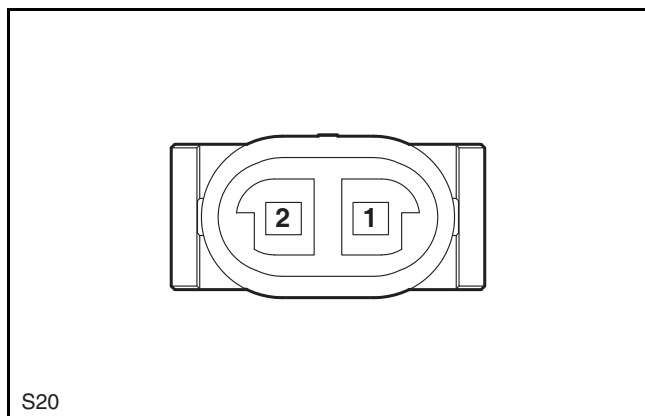
Fuel Pump



S19 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	1.5 BU/WH	Power Supply
2	0.35 BN/WH	Fuel Level Signal
3	0.35 YE/RD	Fuel Level Sensor Grounding
4	1.5 BK	Grounding

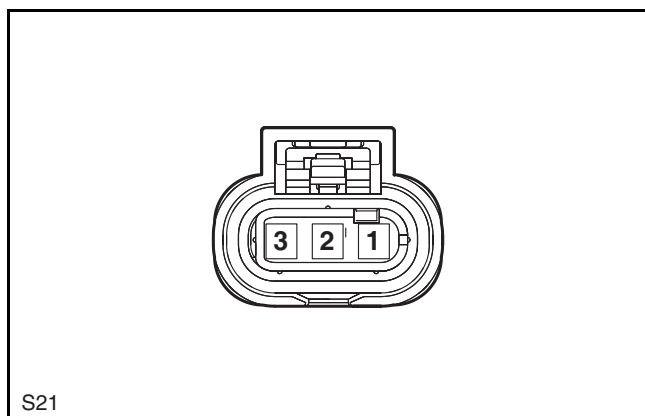
4WD Torque Sensor



S20 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.75 RD	Coil Input
2	0.75 RD/WH	Coil Grounding Wire

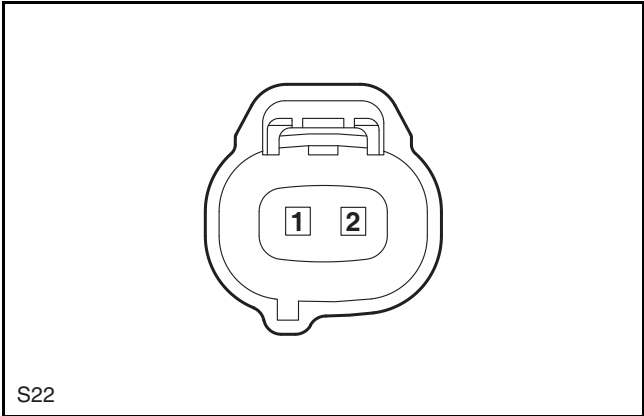
Fuel Tank Pressure Sensor



S21 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 PK/BU	Fuel Tank Pressure Sensor Signal Output
2	0.5 GN/BU	Fuel Tank Pressure Sensor Signal Grounding
3	0.5 GY/BU	Fuel Tank Pressure Sensor Power Supply

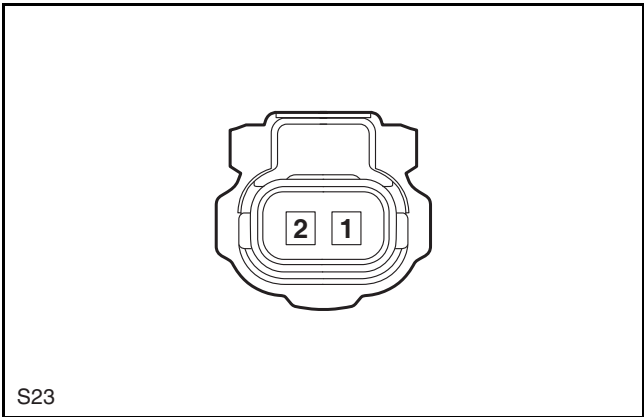
Carbon Canister Stop Valve



S22 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 BU/WH	Carbon Canister Stop Valve Signal
2	0.5 WH	Main Relay Power Supply

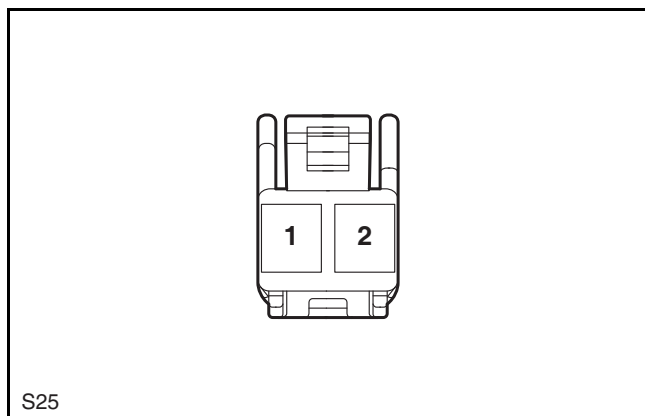
Middle Antenna



S23 Wiring Harness Connector Pin Definition

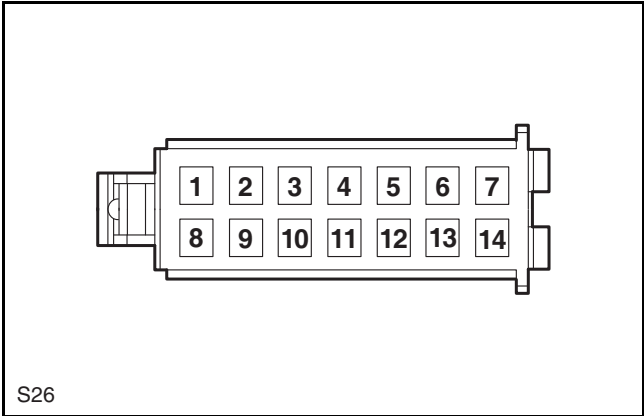
Pin No.	Wire Diameter/Color	Function
1	0.35 GY/OG	Middle Antenna +
2	0.35 BU/WH	Middle Antenna -

Left Rear Door Contact Switch

**S25 Wiring Harness Connector Pin Definition**

Pin No.	Wire Diameter/Color	Function
1	0.35 BK	Left Rear Door Contact Switch Signal Grounding
2	0.35 GN/BU	Left Rear Door Contact Switch Signal Power Supply

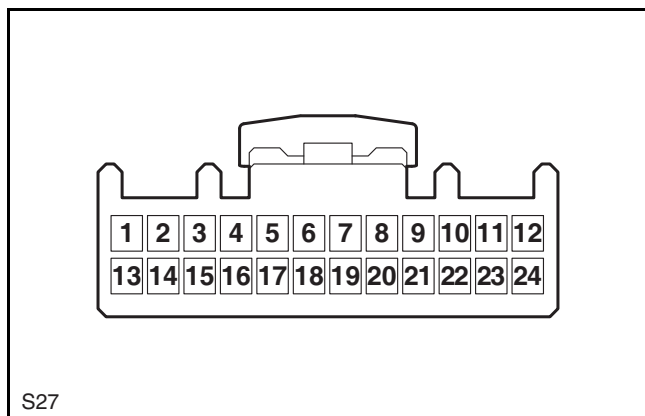
Back Door Controller 2



S26 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.75 OG	Lock Motor to Wire End (Unlock Door)
2	0.75 GN	Lock Motor to Wire End (Lock Door)
3	-	-
4	-	-
5	2.5 BK	Power Grounding
6	-	-
7	-	-
8	-	-
9	2.5 BN	Electric Power
10	-	-
11	-	-
12	-	-
13	2.5 GN	Drive Strut Rod Motor to Close Door
14	2.5 VT	Drive Strut Rod Motor to Open Door

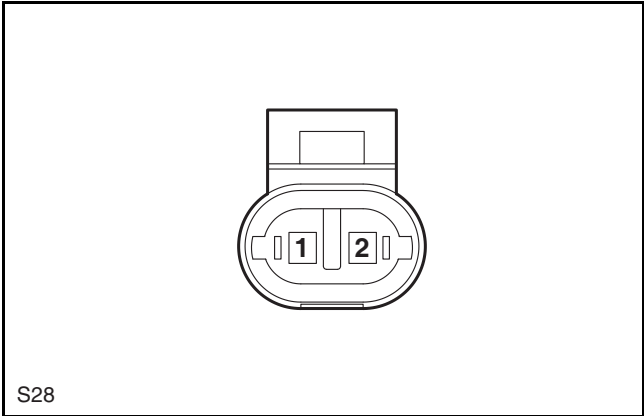
Back Door Controller 1



S27 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 WH/YE	Hall Signal 1 Output
2	-	-
3	0.35 GN	CAN-H
4	0.35 GN/BK	CAN-L
5	-	-
6	-	-
7	-	-
8	0.35 WH	Driver Electric Control Button Switch
9	0.35 GN/RD	Full Lock Position Judgement
10	-	-
11	-	-
12	0.35 OG	Half Lock Position Judgement
13	0.5 VT/GN	Digital Power
14	0.35 WH/RD	Hall Grounding
15	0.5 OG/BK	Buzzer Power Supply
16	0.35 BN/WH	Lock Inside Drive Mechanical Reset Signal
17	-	-
18	0.35 WH/GN	Supply Power to Hall Module
19	0.35 GY/GN	Supply Power to Hall Module
20	-	-
21	-	-
22	0.35 WH/BU	Hall Signal 2 Output
23	0.35 BK	GND
24	-	-

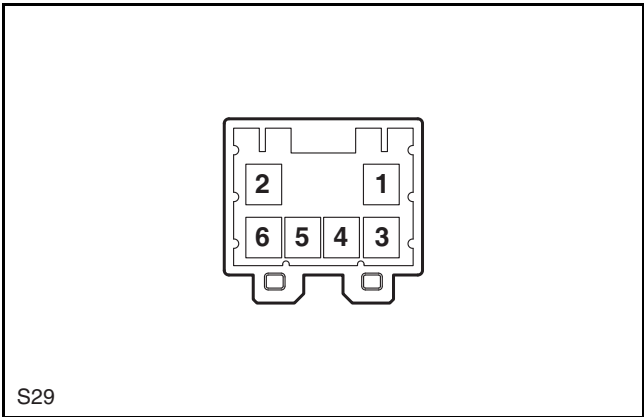
Luggage Compartment Lamp



S28 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 OG/BK	Luggage Compartment Lamp Power Supply
2	0.35 BK	Luggage Compartment Lamp Grounding

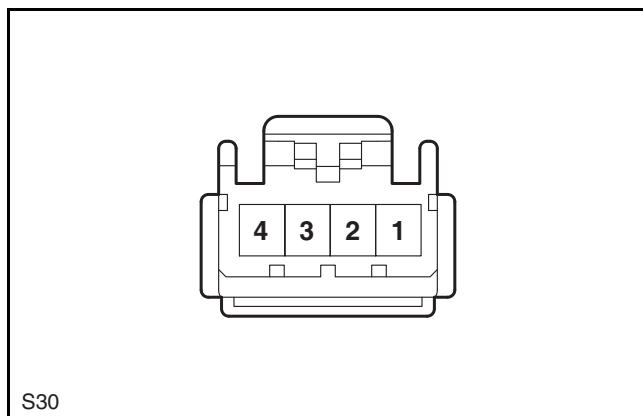
Left Power Strut Rod



S29 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	2.5 GN	Drive Strut Rod Motor to Open Door
2	2.5 VT	Drive Strut Rod Motor to Close Door
3	0.35 WH/GN	Supply Power to Hall Module
4	0.35 WH/YE	Hall Signal 1 Output
5	0.35 WH/BU	Hall Signal 2 Output
6	0.35 WH/RD	Hall Grounding

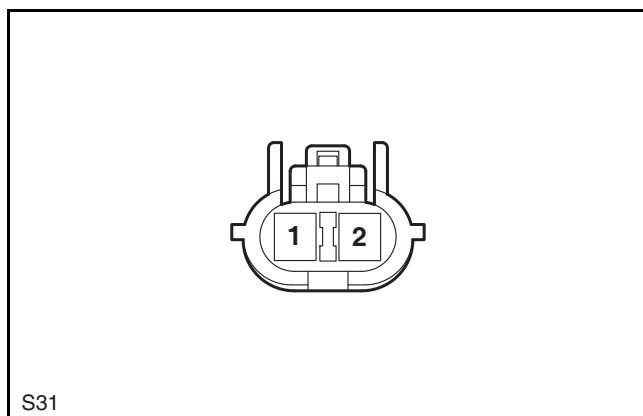
Subwoofer



S30 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 WH/GN	Subwoofer -
2	0.5 WH/BK	Subwoofer +
3	0.5 RD/YE	Subwoofer -
4	0.5 OG/BK	Subwoofer +

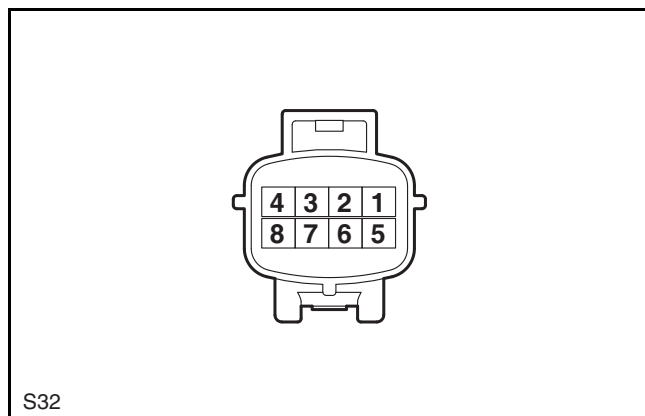
Fuel Tank Cap Motor



S31 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 GY/RD	Fuel Tank Cap Motor Lock Signal
2	0.5 RD/WH	Fuel Tank Cap Motor Unlock Signal

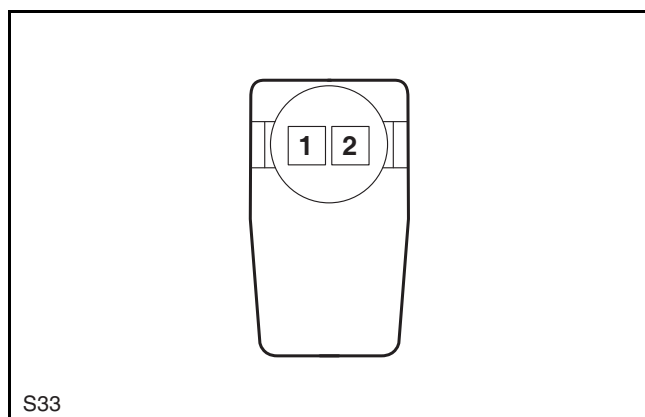
A Tail Lamp - Left



S32 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 WH/BK	Water Flow Turn Lamp Positive
2	0.5 GN/WH	Rear Turn Lamp +
3	0.5 VT/WH	Rear Position Lamp +
4	0.5 WH/RD	Brake Lamp +
5	0.5 WH/BU	Rear Turn Lamp Abnormal Alarm
6	0.75 BK	Brake Lamp/Rear Position Lamp/Rear Turn Lamp GND
7	-	-
8	-	-

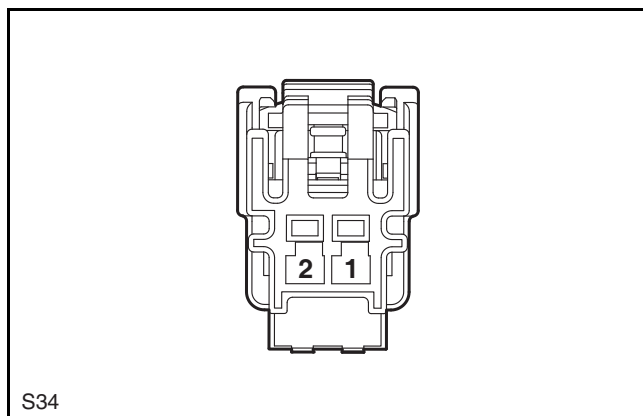
Left Curtain Shield Airbag



S33 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 BU	Left Curtain Shield Airbag Negative
2	0.5 GY	Left Curtain Shield Airbag Positive

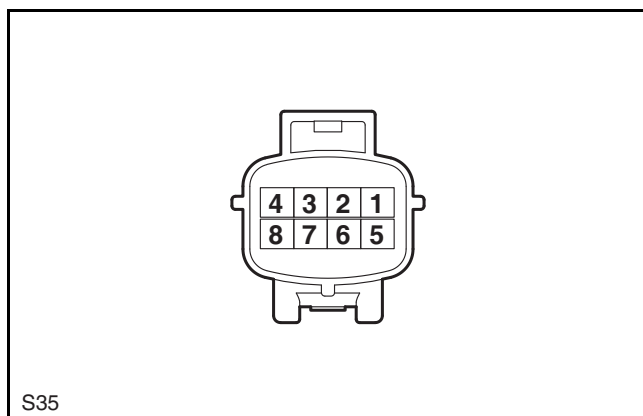
Left Rear Surround Speaker



S34 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 BN	Left Rear Surround Speaker +
2	0.5 OG	Left Rear Surround Speaker -

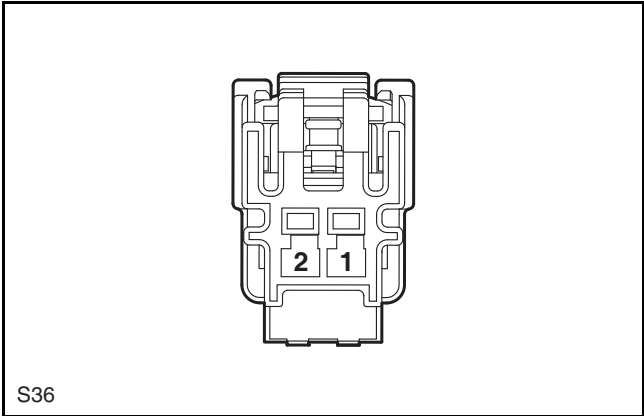
A Tail Lamp - Right



S35 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 WH/BK	Water Flow Turn Lamp Positive
2	0.5 VT	Rear Turn Lamp +
3	0.5 VT/WH	Rear Position Lamp +
4	0.5 WH/RD	Brake Lamp +
5	0.5 WH/BU	Rear Turn Lamp Abnormal Alarm
6	0.75 BK	Brake Lamp/Rear Position Lamp/Rear Turn Lamp GND
7	-	-
8	-	-

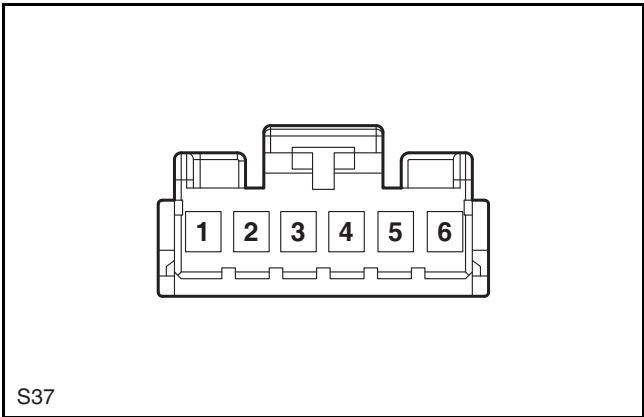
Surround Speaker - Right Rear



S36 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 BN	Right Rear Surround Speaker +
2	0.5 OG	Right Rear Surround Speaker -

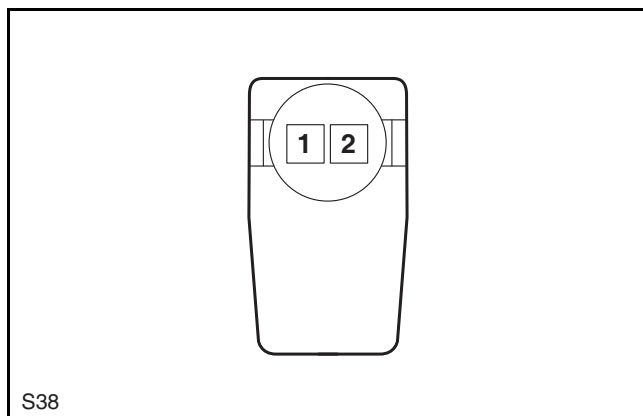
Radio Frequency Receiver



S37 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 GN/BK	BCAN-L
2	0.35 GY	LIN Bus
3	0.35 GN	BCAN-H
4	0.5 BK	Grounding
5	-	-
6	0.35 RD/BK	Constant Power Supply

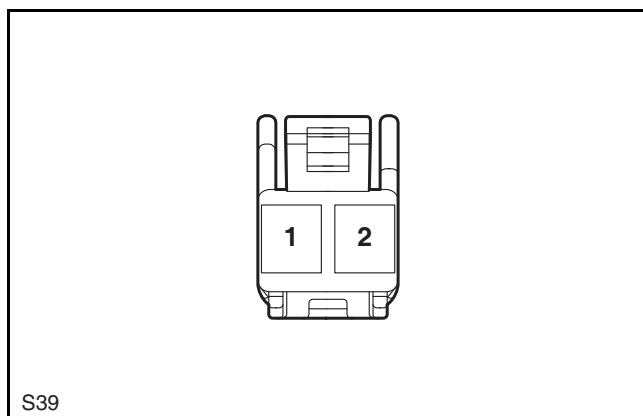
Right Curtain Shield Airbag



S38 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 BU	Right Curtain Shield Airbag Negative
2	0.5 GY	Right Curtain Shield Airbag Positive

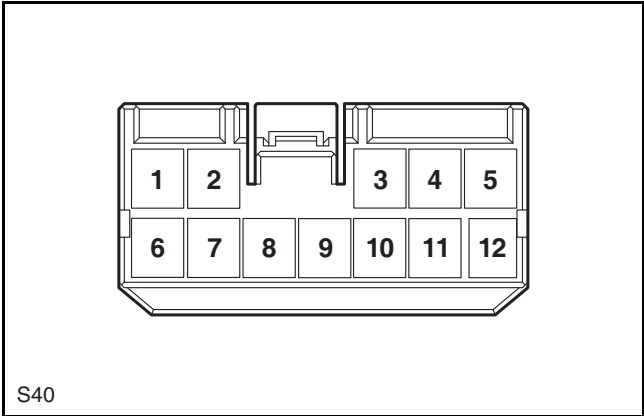
Right Rear Door Contact Switch



S39 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 BK	Right Rear Door Contact Switch Signal Grounding
2	0.35 BU/YE	Right Rear Door Contact Switch Signal Power Supply

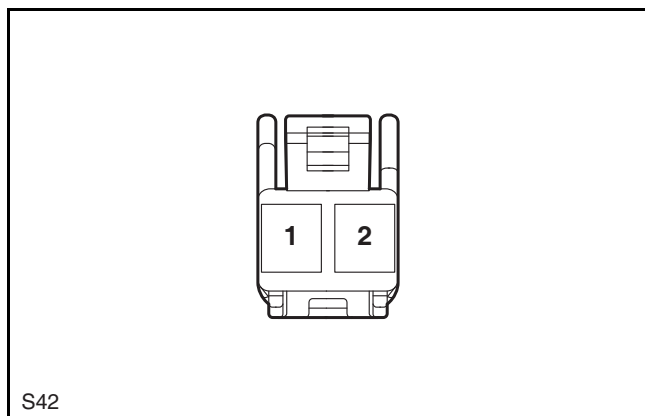
Rear Seat Heating Controller



S40 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	WH/VT	IGN
2	WH	Rear Right Heater Switch Signal
3	YE	Rear Right Heater Switch Signal
4	BK	Grounding
5	WH/RD	Constant Power Supply
6	WH/BK	Rear Right Heater High Gear Operating Indicator Signal
7	WH/GN	Rear Right Heater Low Gear Operating Indicator Signal
8	-	-
9	YE/BK	Rear Left Heater High Gear Operating Indicator Signal
10	YE/GN	Rear Left Heater High Gear Operating Indicator Signal
11	-	-
12	-	-

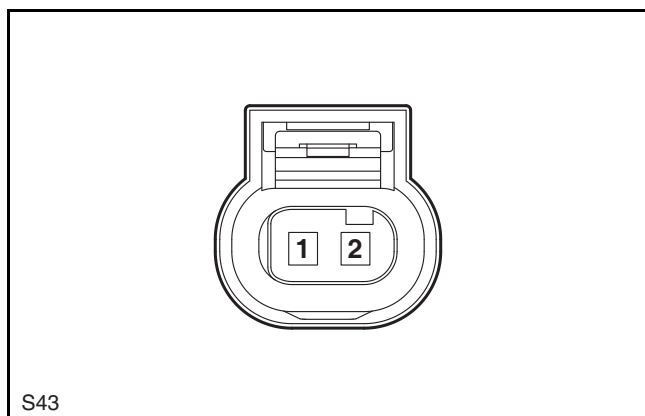
Right Front Door Contact Switch



S42 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 BK	Right Front Door Contact Switch Grounding
2	0.35 WH/RD	Right Front Door Contact Switch Power Supply

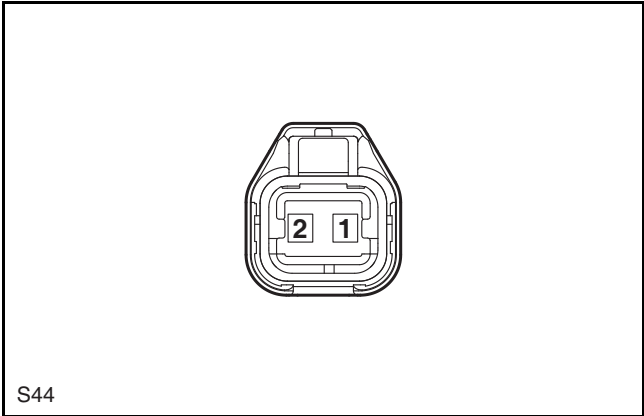
Front Passenger Side Collision Sensor



S43 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.5 PK/WH	Front Passenger Side Collision Sensor -
2	0.5 WH	Front Passenger Side Collision Sensor +

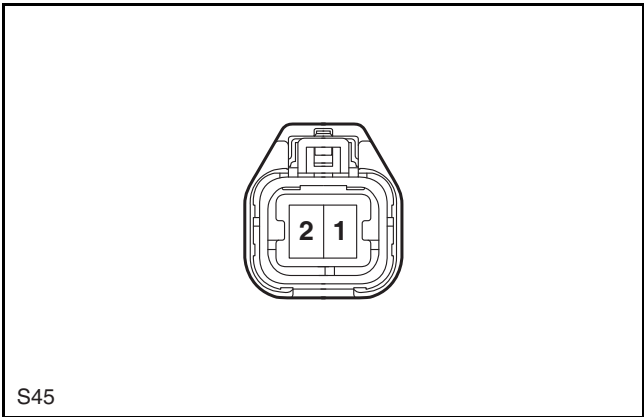
Wheel Speed Sensor - Left Rear



S44 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0. 35 GY/RD	Left Rear Wheel Speed Sensor -
2	0. 35 GY/BU	Left Rear Wheel Speed Sensor +

Wheel Speed Sensor - Right Rear

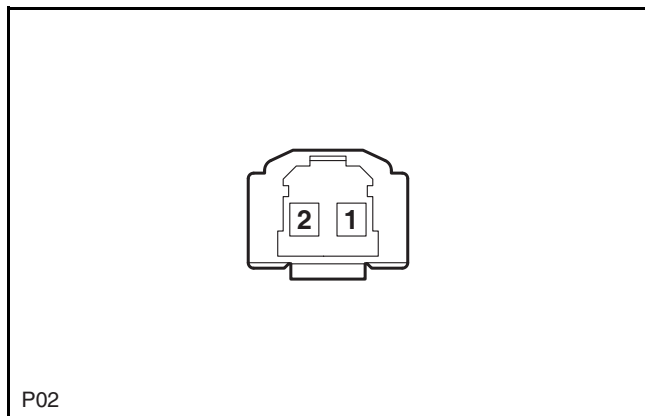


S45 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0. 35 GN/BU	Right Rear Wheel Speed Sensor -
2	0. 35 GN/YE	Right Rear Wheel Speed Sensor +

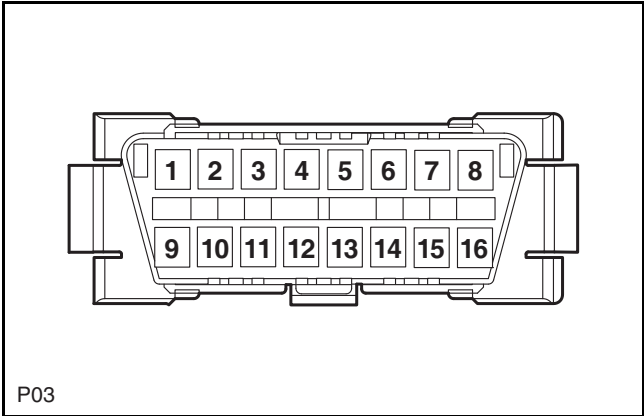
Instrument Panel Wiring Harness Connector (P--)

SOS Speaker

**P02 Wiring Harness Connector Pin Definition**

Pin No.	Wire Diameter/Color	Function
1	0.35 VT	Speaker +
2	0.35 VT/WH	Speaker -

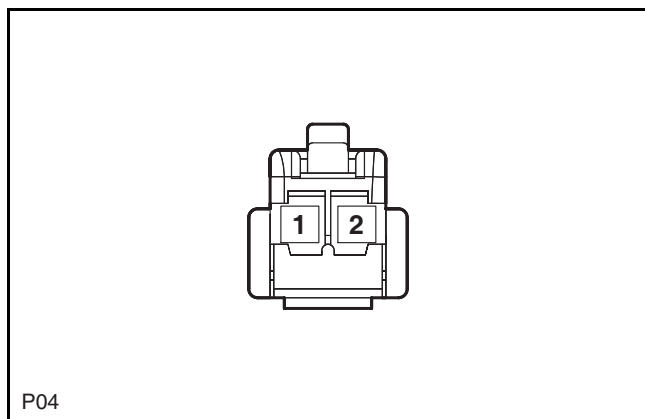
Data Link Connector



P03 Wiring Harness Connector Pin Definition

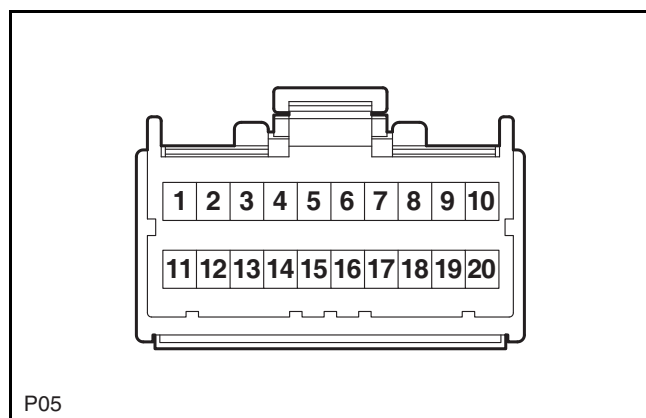
Pin No.	Wire Diameter/Color	Function
1	-	-
2	-	-
3	-	-
4	0.5 BK	Grounding
5	0.5 BK	Grounding
6	0.35 YE	DCAN-H
7	-	-
8	-	-
9	0.35 WH	TBOX CAN-H
10	0.35 WH/BK	TBOX CAN-L
11	-	-
12	-	-
13	-	-
14	0.35 YE/BK	DCAN-L
15	-	-
16	0.5 RD	Constant Power Supply

Speaker 2 (Left Front Door)

**P04 Wiring Harness Connector Pin Definition**

Pin No.	Wire Diameter/Color	Function
1	0.5 VT/BK	Positive
2	0.5 WH/BK	Negative

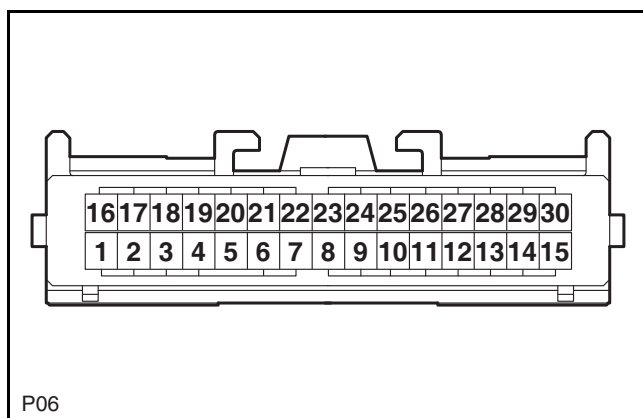
Instrument Panel Switch Box



P05 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	-	-
2	-	-
3	-	-
4	0.35 WH	Back Door Switch Signal
5	-	-
6	0.35 BK	Back Door Switch Grounding
7	0.35 BK	Backlight Grounding
8	0.35 RD/YE	Backlight Power Supply
9	0.35 PK/BU	Right Rearview Mirror Up-Down Adjustment
10	0.35 PK/BK	Left Rearview Mirror Up-Down Adjustment
11	0.35 GY/GN	Rearview Mirror Folding
12	0.35 VT/GN	Rearview Mirror Adjustment Switch Common End
13	0.35 RD	Power Supply
14	0.35 PK	Switch Grounding
15	-	-
16	0.35 BK	Headlamp Leveling Grounding
17	0.35 GY	Headlamp Leveling Switch Output
18	0.35 GN/YE	Headlamp Leveling Power Supply
19	0.35 RD/BU	Right Rearview Mirror Left-Right Adjustment
20	0.35 PK/GN	Left Rearview Mirror Left-Right Adjustment

Instrument Cluster CAN Short Circuiter 2

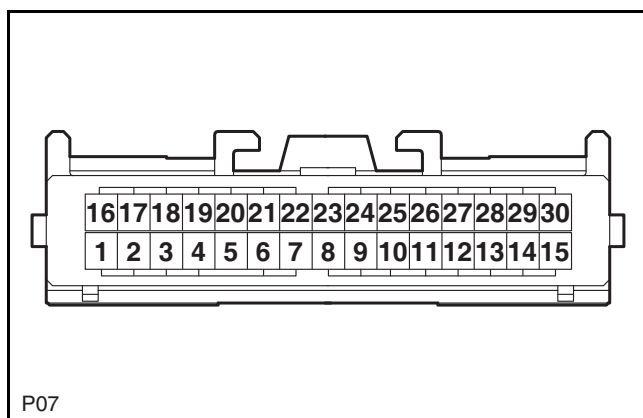


P06 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 LG	To Gateway PCAN-H
2	0.35 LG	To Electronic Shift Control PCAN-H
3	0.35 LG	To Airbag PCAN-H
4	0.35 LG	To Engine Compartment PCAN-H
5	0.35 LG	4WD Controller PCAN-H
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	0.35 VT	Rotation Angle Sensor EPSCAN-H
13	0.35 VT	IBCM EPSCAN-H
14	0.35 VT	EPSCAN-H
15	0.35 VT	To Gateway EPSCAN-H
16	0.35 LG/BK	To Gateway PCAN-L
17	0.35 LG/BK	To Electronic Shift Control PCAN-L
18	0.35 LG/BK	To Airbag PCAN-L
19	0.35 LG/BK	To Engine Compartment PCAN-L
20	0.35 LG/BK	4WD Controller PCAN-L
21	-	-
22	-	-
23	-	-
24	-	-
25	-	-
26	-	-

Pin No.	Wire Diameter/Color	Function
27	0.35 VT/WH	Rotation Angle Sensor EPSCAN-L
28	0.35 VT/WH	IBCM EPSCAN-L
29	0.35 VT/WH	EPS Signal EPSCAN-L
30	0.35 VT/WH	To Gateway EPSCAN-L

Instrument Cluster CAN Short Circuiter 1



P07 Wiring Harness Connector Pin Definition

Pin No.	Wire Diameter/Color	Function
1	0.35 GN	To Gateway BCAN-H
2	0.35 GN	To Chassis BCAN-H
3	0.35 GN	IBCM BCAN-H
4	0.35 GN	A/C Controller BCAN-H
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	0.35 PK	To Wireless Charging ICAN-H
12	0.35 PK	To Chassis ICAN-H
13	0.35 PK	Instrument Cluster ICAN-H
14	0.35 PK	To Entertainment and Audio ICAN-H
15	0.35 PK	To Gateway ICAN-H
16	0.35 GN/BK	To Gateway BCAN-L
17	0.35 GN/BK	To Chassis BCAN-H-L
18	0.35 GN/BK	IBCM BCAN-L
19	0.35 GN/BK	A/C Controller BCAN-L
20	-	-
21	-	-
22	-	-
23	-	-
24	-	-
25	-	-
26	0.35 PK/BK	To Wireless Charging ICAN-L