



长安汽车
CHANGAN

CS35 Wiring Diagram

CS35WD2H/1/1

6.1 Introduction.....	6.1-1
6.2 Symbol.....	6.2-1
6.3 Circuit Diagnosis	6.3-1
Diagnostic Procedure	6.3-1
Diagnostic Tools.....	6.3-2
Fault Test	6.3-3
Repair Tools.....	6.3-5
Terminal Repair.....	6.3-7
6.4.1 Anti-Lock Control	6.4.1-1
6.4.2 Electronic Power Steering	6.4.2-1
6.4.3 Cooling System	6.4.3-1
6.4.4 Fuel System	6.4.4-1
6.4.5 Ignition System.....	6.4.5-1
6.4.6 Starting System	6.4.6-1
6.4.7 Charging System	6.4.7-1
6.4.8 Electronic Control System.....	6.4.8-1
Power and Data Bus.....	6.4.8-1
APP/ETC/CMP	6.4.8-2
HO2S/EVAP/OCV	6.4.8-3
MAP/ECT/Cruise	6.4.8-4
6.4.9 Automatic Transmission.....	6.4.9-1
Power Supply/ Sensor/ Actuator.....	6.4.9-1
Transmission Range Switch Signal	6.4.9-2
6.4.10 Heating, Ventilation and Air Conditioning.....	6.4.10-1
Power and Data Bus.....	6.4.10-1
Compressor Control.....	6.4.10-2
Sensors and Actuators	6.4.10-3
6.4.11 Supplemental Restraint System	6.4.11-1
Power and Data Bus.....	6.4.11-1
Sensors and Actuators	6.4.11-2
6.4.12 Instrument Cluster.....	6.4.12-1
Power Supply and Signal.....	6.4.12-1
Signal Lamps	6.4.12-2
6.4.13 Horn	6.4.13-1
6.4.14 Cigarette Lighter & Power Outlet.....	6.4.14-1

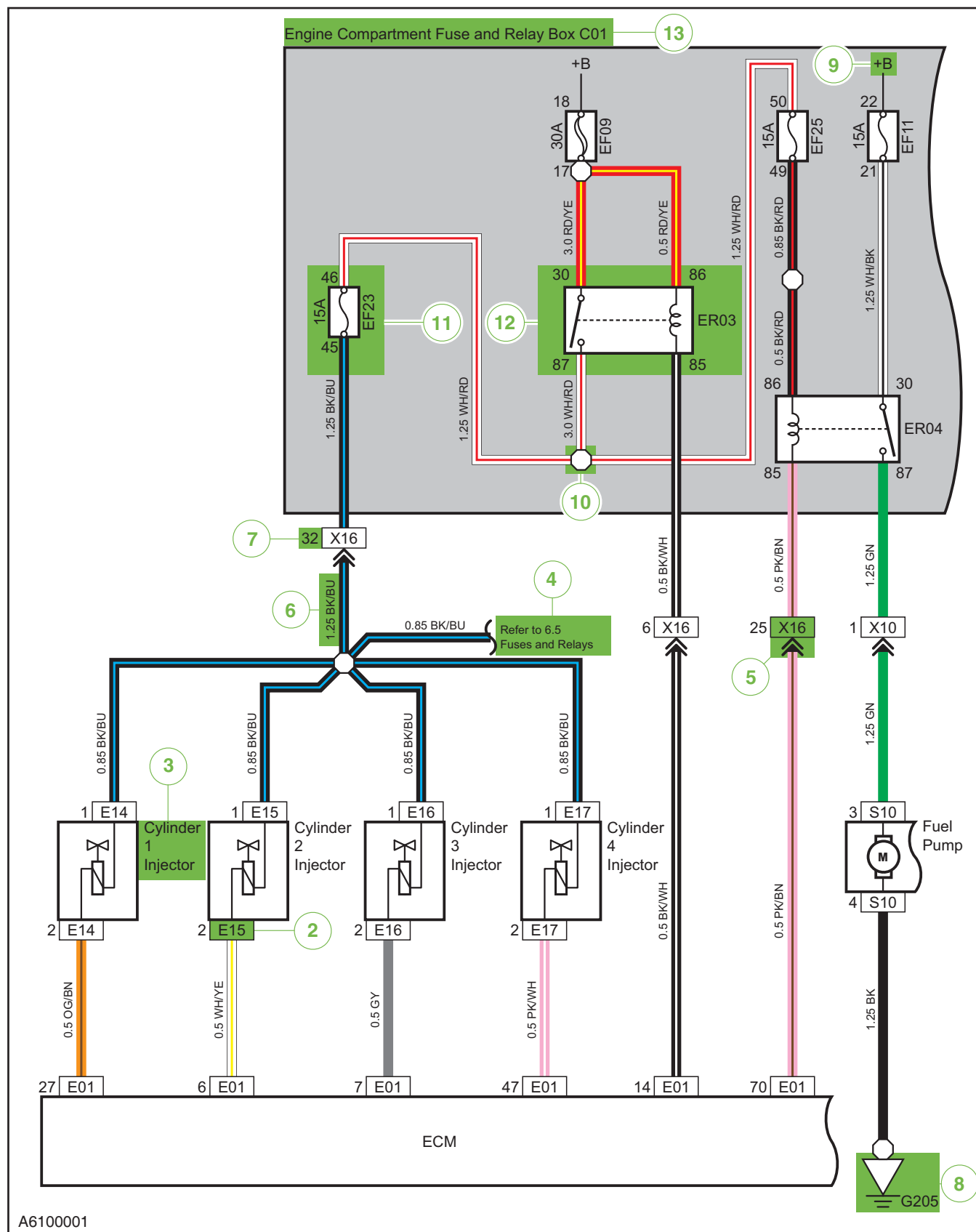
6.4.15 Information and Entertainment System	6.4.15-1
Power Supply	6.4.15-1
Speaker Connector	6.4.15-2
6.4.16 Lighting System	6.4.16-1
Headlamps	6.4.16-1
Front Fog Lamps	6.4.16-2
Rear Fog Lamps	6.4.16-3
Turn Signal Lamps	6.4.16-4
Courtesy Lamps/ Trunk Lamp/ Dome Lamps	6.4.16-5
Position and Parking Lamps	6.4.16-6
Interior Lighting	6.4.16-7
Headlamp Leveling Device	6.4.16-8
Reverse Lamps	6.4.16-9
Brake Lamps	6.4.16-10
6.4.17 Wipers and Washers	6.4.17-1
6.4.18 Power Rearview Mirror	6.4.18-1
6.4.19 Central Lock and Theft-Deterrent System	6.4.19-1
Power and Switch Signal	6.4.19-1
Actuators	6.4.19-2
6.4.20 Power Window.....	6.4.20-1
Driver Side Window.....	6.4.20-1
Passenger Side Window	6.4.20-2
Left Rear Window.....	6.4.20-3
Right Rear Window	6.4.20-4
6.4.21 Defroster	6.4.21-1
6.4.22 Sunroof	6.4.22-1
6.4.23 Parking Aid System	6.4.23-1
6.4.24 Body Control System.....	6.4.24-1
6.4.25 On-board Network.....	6.4.25-1
DLC	6.4.25-1
CAN	6.4.25-2
6.5 Fuses and Relays.....	6.5-1
6.6 Power Distribution	6.6-1
6.7 Ground Distribution	6.7-1
6.8 Harness Connector Location Views.....	6.8-1

Content

6.9 Ground Point Location Views.....	6.9-1
6.10 Connector Views.....	6.10-1
6.11 Abbreviations.....	6.11-1

Fuel System

1



1. System name.
2. Harness connector naming.

In this manual, the harness connector naming is based on harness. For example, ECM harness connector is named as E01. E is the harness code, 01 is the connector number.

The following table lists all the harness codes:

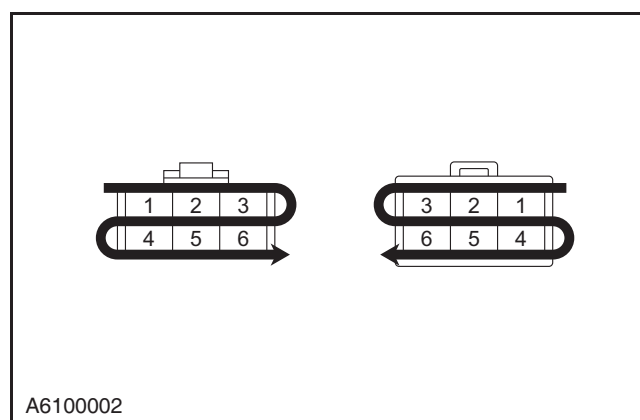
Cod e	Harness
CA	Engine compartment harness
C--	Engine compartment harness connector
EN	Engine harness
E--	Engine harness connector
IP	Instrument panel harness
P--	Instrument panel harness connector
SO	Floor harness
S--	Floor harness connector
DR	Door harness
D--	Door harness connector
RF	Interior lamp (Headliner) harness
L--	Interior lamp (Headliner) harness connector
X	Harness to harness connector

BU	Blue	
GN	Green	
GY	Grey	
LG	Light Green	
LU	Light Blue	
OG	Orange	
PK	Pink	
RD	Red	
SR	Silver	
VT	Purple	
WH	White	
YE	Yellow	

If a wire has two colors, the first character shows the background color and the second shows the stripe color, divided by “/”.

For example, YE/WH means yellow background color with white stripe.

7. Pin number. The connector pin numbers are mirrored to the ones that connect to them, as shown below:



CAUTION:

1. Door harness includes four door harnesses.
2. For harness connector details, please refer to connector location views.
3. Component name.
4. System information related to the circuit.
5. Harness to harnessconnector. The black arrow represents the male side and the box represents the female side. The character in the box is the connector code.
6. Wire color and width. The following table shows the color code.

Color code	Wire color	Legend
BK	Black	
BN	Brown	

8. Ground number. The ground number starts with G. For ground details, please refer to ground location views.

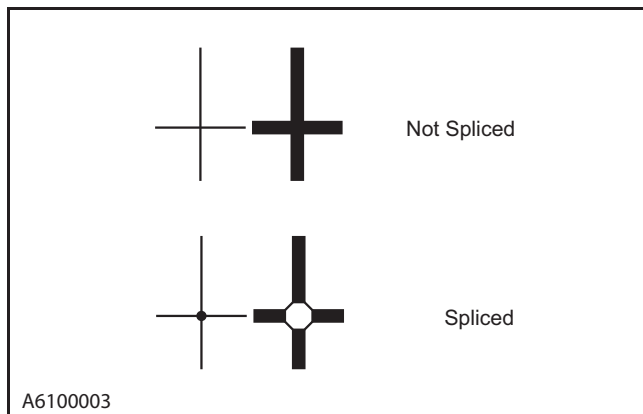
9. Fuse supply. +B represents battery power supply. ACC represents power supply when ignition switch is at “ACC” position. IG1 represents power supply from terminal 4 when ignition switch is at “ON” position. IG2

represents power supply from terminal 1 when ignition switch is at "ON" position.



CAUTION: The difference between IG1 and IG2 is that there is power supply output from IG1, but not from IG2 when the ignition switch is at "ST" position.

10. Splice.

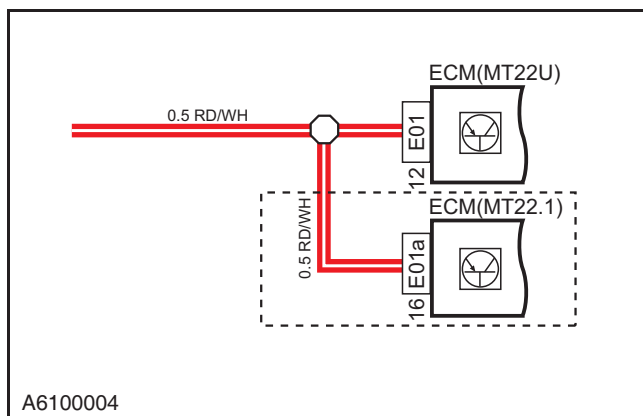


11. Fuse number consists of fuse code and a sequential number. Code EF represents fuses in the main fuse and relay box; Code IF represents fuses in instrument panel fuse and relay box. For details, please refer to fuse table.

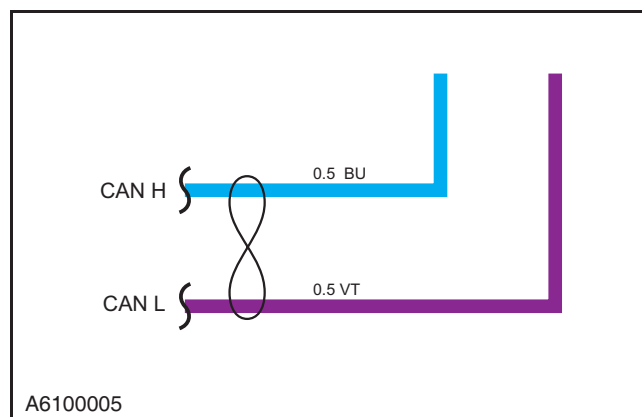
12. A relay is represented by two capital English letters. ER represents relays in the main fuse and relay box; IR represents relays in the instrument panel fuse and relay box. For details, please refer to the relay table.

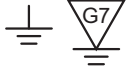
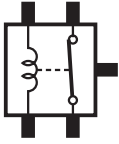
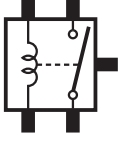
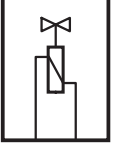
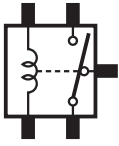
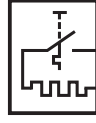
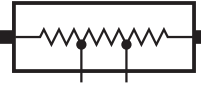
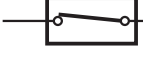
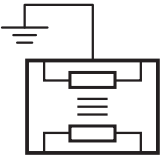
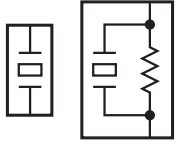
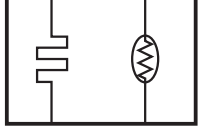
13. Grey shade means the fuse and relay box. P01 represents the harness connector code.

14. Circuit differences in different models, engines or specifications are noted by dashed lines and texts beside the circuit.

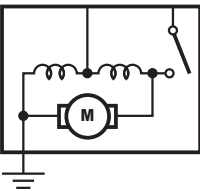
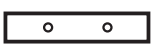
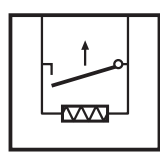


15. The '8' shape symbol represents 'unshielded Twisted Pair' (UTP), which is used for sensor signal or data communication.



	Ground		Relay-Normally Closed		Battery
	Temperature Sensor		Relay-Normally Open		Capacitor
	Solenoid		Double Throw Relay		Cigarette Lighter
	Solenoid		Resistor		Antenna
	Light Load Fuse		Potentiometer		Switch-Normally Open
	Moderate Load Fuse		Rheostat		Switch-Normally Closed
	Heavy Load Fuse		Ignition Coil		Double Throw Switch
	Heater		Knock Sensor		Oxygen Sensor

A6200001

	Diode		Bulb		UTP (Unshielded Twisted Pair)
	Photodiode		Horn		Starter
	Light Emitting Diode		Clock Spring		Limit Switch
	Motor		Airbag		No Splice
	Splice				

A6200002

Diagnostic Procedure

Refer to the following procedure for the circuit diagnosis:

1. Confirm the Fault

To do the proper repair, confirm the fault described by the customer firstly. Inspect the relevant component carefully and make record. DO NOT disassemble the component before confirmation of the fault scope and causes.

2. Read the Wiring Diagram and Analyze the Causes.

Make a complete analysis on the faulty components from power supply to ground according to the sub-system wiring diagram and determine the repair solution. If can not determine the repair solution, please read the system description in the "Description and Operation" in the workshop manual to clear the working principle. And inspect other circuits that has common part with the faulty circuit, for example, the fuse, ground, switch, etc. Inspect the circuit not covered in step 1. If other components on the common circuit work properly, it means the fault exists in its own circuit. Otherwise, the fuse or ground might has faults.

3. Inspect the Circuits and Components.

Always use the wiring diagram together with workshop manual and refer to the diagnostic procedure for the relevant circuits or components in the workshop manual. For the circuit with a control module, fully use diagnostic tools to do the test. Effective diagnosis should be a logical and reasonable operation. Fully use the diagnostic procedures in the workshop manual and start the inspection from the most likely causes and the compents be easiest to inspect.

4. Repair

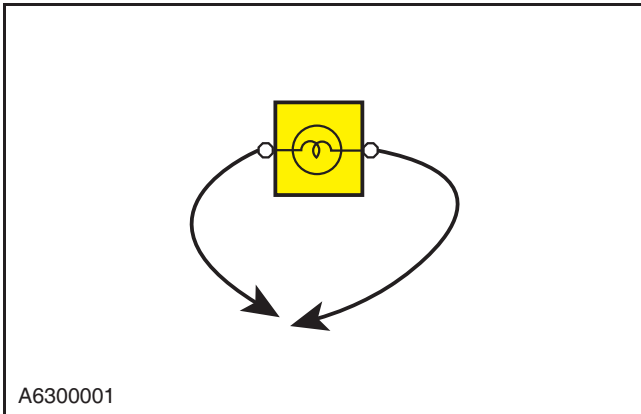
Repair the faulty circuit. Refer to the wiring diagram and workshop manual for fault treatment. For example, the treatment on bad connection to ground and the harness connector.

5. Confirm the Fault Removed.

After repair, confirm the fault removed and all functions work properly. For the fuse blown fault, check all the relevant circuits.

Diagnostic Tools

1. Voltmeter and Test Light

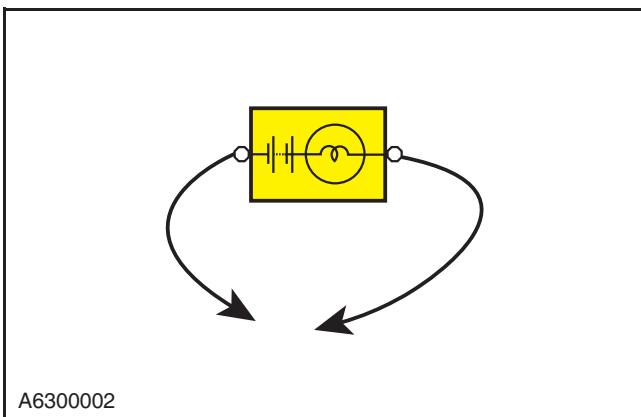


Use test light or voltmeter to check the circuit status. Test light comprises a pair of wires and a 12V bulb. When inspecting, connect one wire to the ground and the other one to the measurement point. If the bulb is lit, it means the measurement point has power supply.

! WARNING: DO NOT use test light to test the control module voltage. To do so, it could damage the circuit inside the control module. Please use a voltmeter with 10MΩ or higher internal impedance (e.g. to test the ECM voltage.).

Voltmeter has the same connection method as the test light, but voltmeter can display the voltage value of the circuit. Use a voltmeter with high impedance to test the voltage. If the circuit has poor connection, the voltmeter may show the normal value, but the voltage can not drive the load successfully.

2. Test Light with Self-supply and Ohmmeter

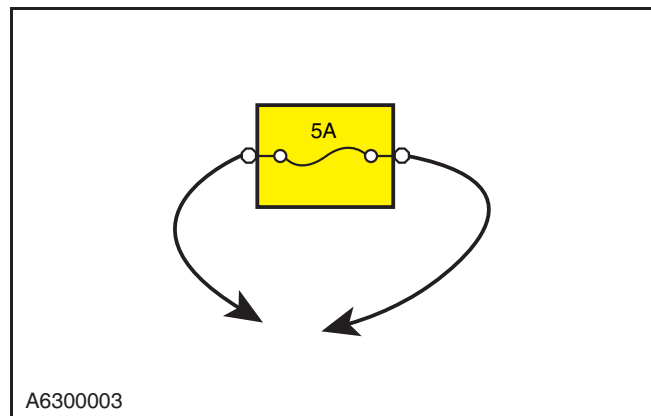


Use test light with own 12V power supply or ohmmeter to test the circuit continuity. Test light comprises a bulb, battery and a pair of wires. The bulb will be lit when the two wires contacted. Before test, disconnect the battery negative and pull out the fuse of the circuit to be tested. To test the circuit continuity, contact two wires to the two measurement points. If the bulb is lit, it means the circuit is continuous.

! WARNING: DO NOT use test light with selfsupply to test the control module. To do so, it could damage the circuit inside the control module. Please use a ohmmeter with 10MΩ or higher internal impedance.

Ohmmeter has the same usage method as voltmeter, but ohmmeter can show the impedance value. The lower impedance, the better continuity.

3. Jumper with Fuse

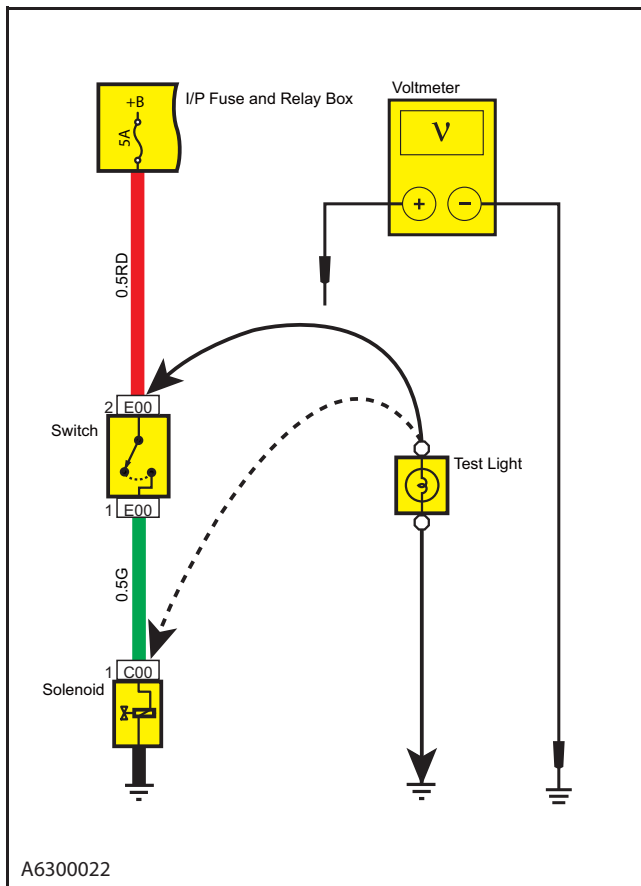


Use jumper to test a broken point for open loop circuit (circuit broken). The jumper should be in tandem with the circuit to be tested.

! WARNING: To protect the circuit, DO NOT use the fuse with higher rated capacity than the circuit to be tested. DO NOT use the jumper as the input or output signal when a control module like ECM, TCM is in the circuit. To do so, it could damage the circuit inside the control module.

Fault Test

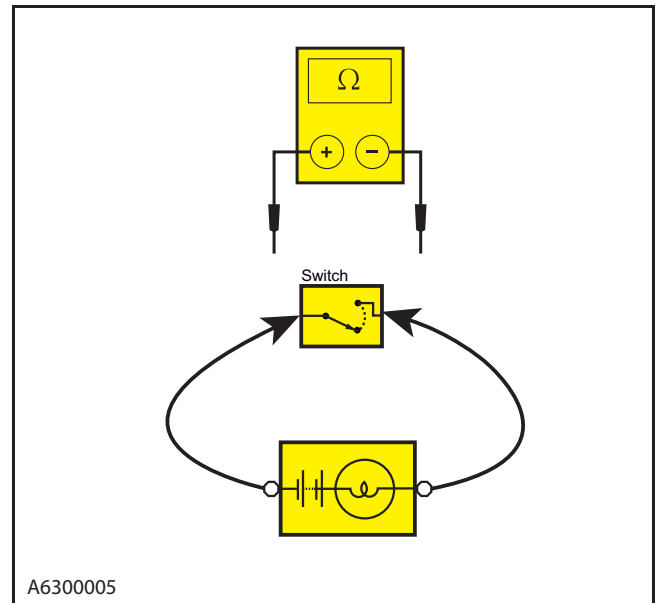
1. Voltage Test



Voltage test process is to test the voltage at a certain point. When testing the connector terminals, insert the positive probe into the wire instead of breaking the harness.

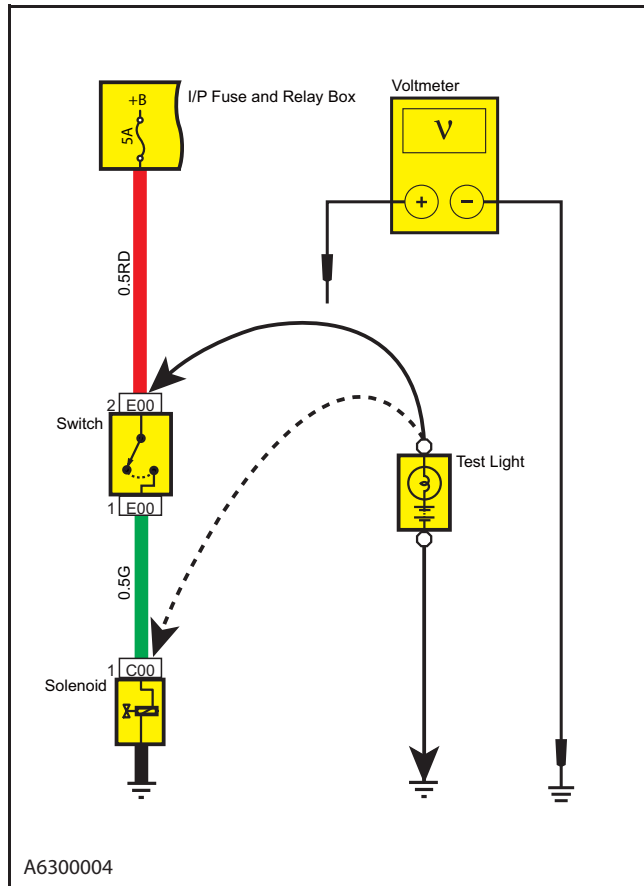
- 1 When testing the voltage with test light or voltmeter, connect the negative wire of the test light or the negative probe of the voltmeter to the ground.
- 2 Connect the other wire of the test light or the positive probe of the voltmeter to the place to be tested.
- 3 It means circuit fault if light is not lit. If using voltmeter and voltage display is lower than the rated value with more than 1V, it means the circuit fault.

2. Power Test



- 1 Disconnect the battery negative.
- 2 Connect one of the wire of the test light with self-supply or the probe of the ohmmeter to the component to be tested. If using ohmmeter, please contact the two probes each other and use reset button to adjust the ohmmeter to zero.
- 3 Connect the other wire of the test light or probe of the ohmmeter to the other side of the load to be tested.
- 4 If the bulb is lit, it means the circuit is continuous. If using ohmmeter, the impedance value should be very small or close to 0 Ω .

3. Short Circuit Test



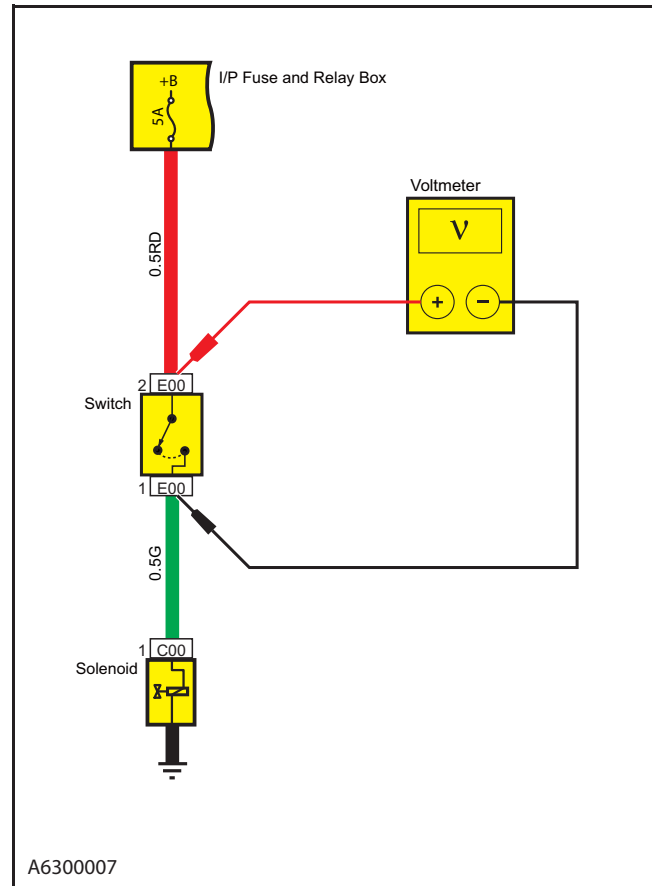
- 1 Disconnect battery negative.
- 2 Connect one of the wire of the test light with self-supply or the probe of the ohmmeter to the outlet terminal of the fuse.
- 3 Connect the other wire of the test light or probe of the ohmmeter to the ground.
- 4 Disconnect all the loads to the fuse.



CAUTION: If not disconnect all the loads to the fuse, when testing the low impedance circuit like lights, the ohmmeter will always display the low impedance value. This will cause wrong judgement.

- 5 Do the careful test from the place closest to the fuse.
- 6 If the bulb is lit or ohmmeter has value display less than $5\ \Omega$, it means the short circuit to the ground.

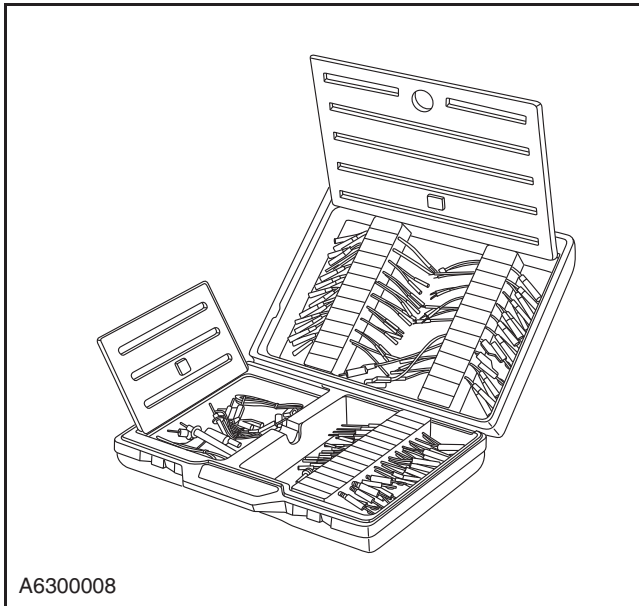
4. Voltage Drop Test



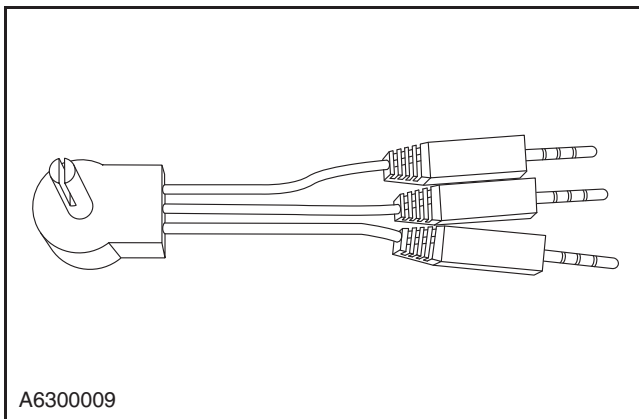
This is to test the voltage drop along the wire, connector or switch.

- 1 Connect the positive probe of the voltmeter to the end of the circuit close to the battery (connector or switch side).
- 2 Connect the negative probe to the other end of the circuit (the other side of the connector or switch).
- 3 Disconnect switch or connect it.
- 4 The voltmeter will display the voltage drop between the two test points.
- 5 If the drop is more than 0.1 V (less than 50 mV for 5 V voltage circuit), it means the circuit fault. Check loose, oxidation or corrosion circuit.

Repair Tools

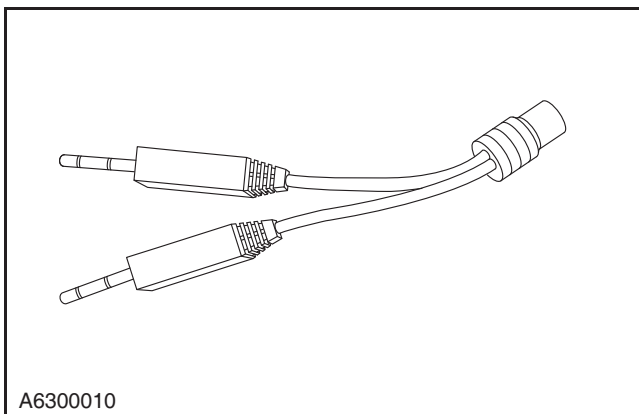


1. 5 K Ω Rheostat



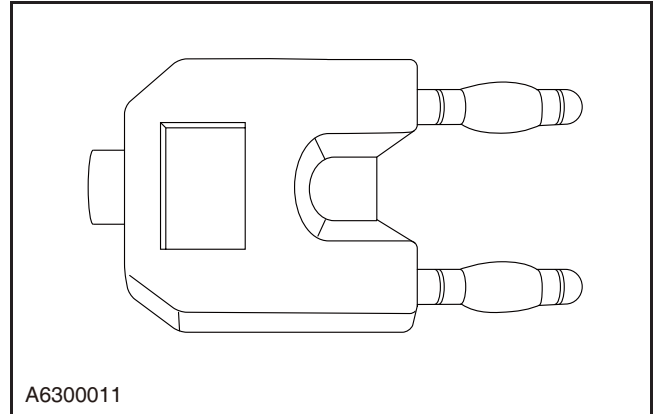
It can simulate ohm-type sensor signals, like coolant temperature sensor, air intake temperature sensor, etc. And help to make quick adjustment on the performance of the component.

2. LED Test Light



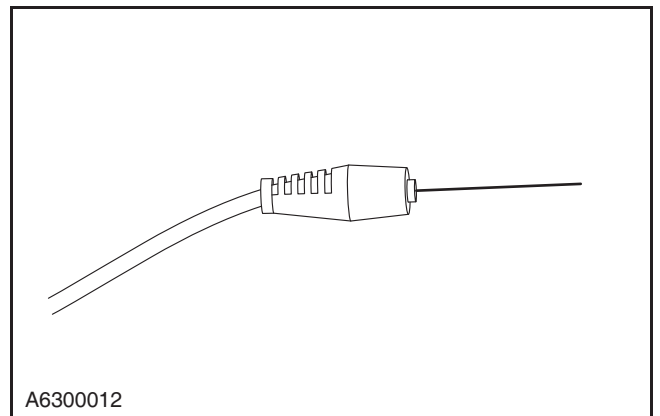
Bi-direction two-color LED light can change its color when exchanging the positive and negative. This feature can be used to test the PWM control signals of Hall sensor.

3. Airbag Test Tool



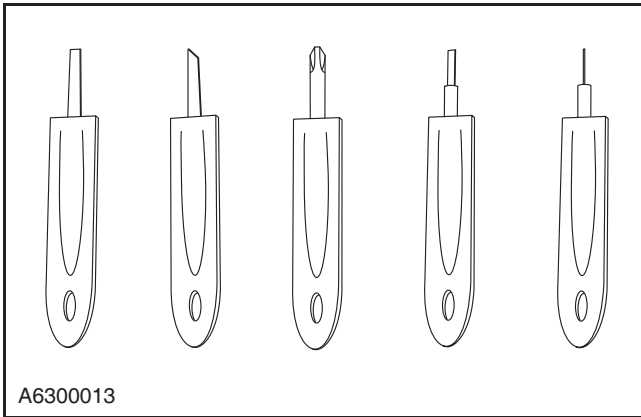
Before installing a new airbag, plug this tool to the airbag system, and use diagnostic tools to test the airbag system to confirm it works properly. After that, remove the airbag test tool and install the new airbag. This process can guarantee a safe airbag operation.

4. Probe



When testing a system component, insert this tool into the connector from the back and do not need to break the harness.

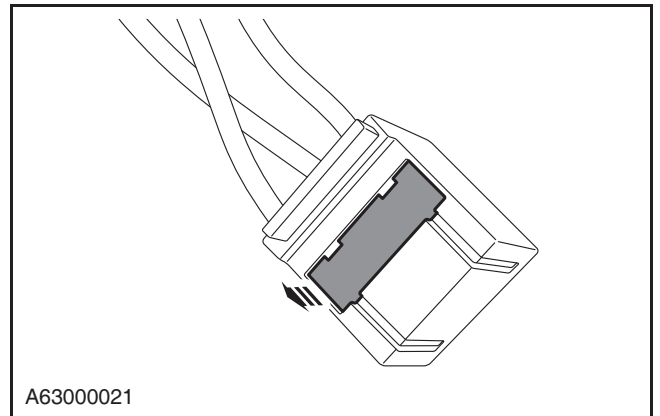
5. Terminal Repair Tool



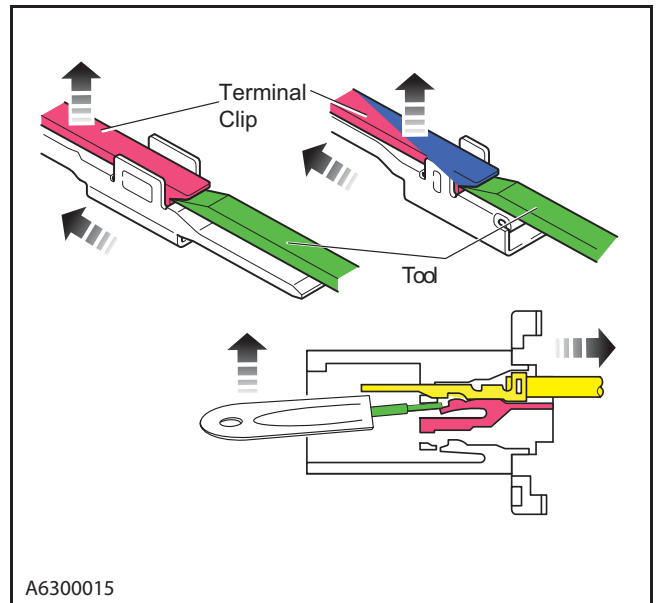
When repairing the terminals, use this tool to separate them from the connector.

Terminal Repair

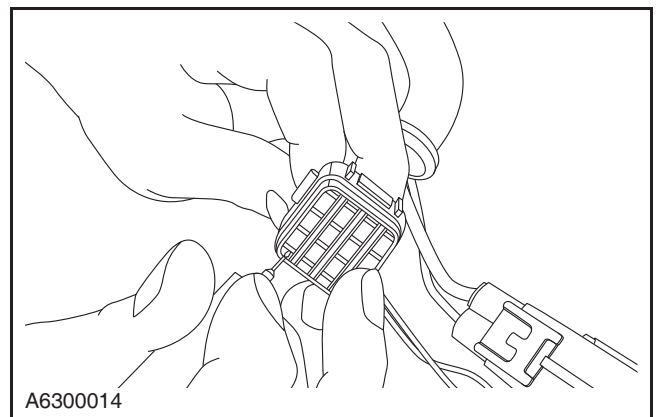
1. Remove the terminal pin.



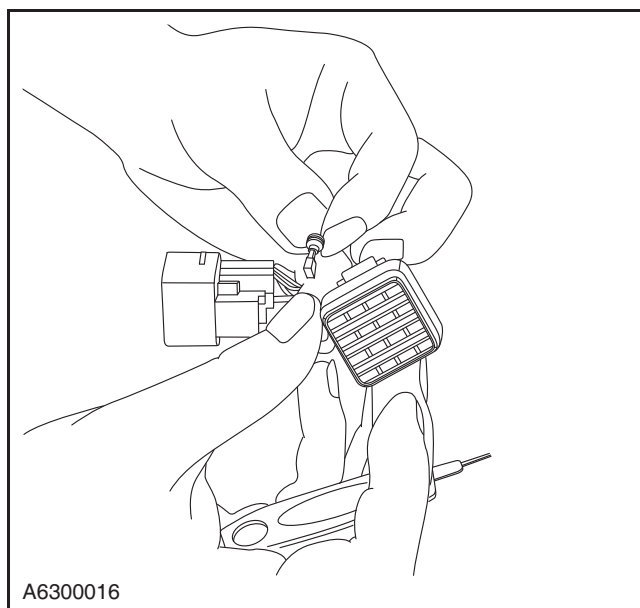
2. Fix the clip with terminal repair tool.



3. Pull out the terminal from the rear of connector.

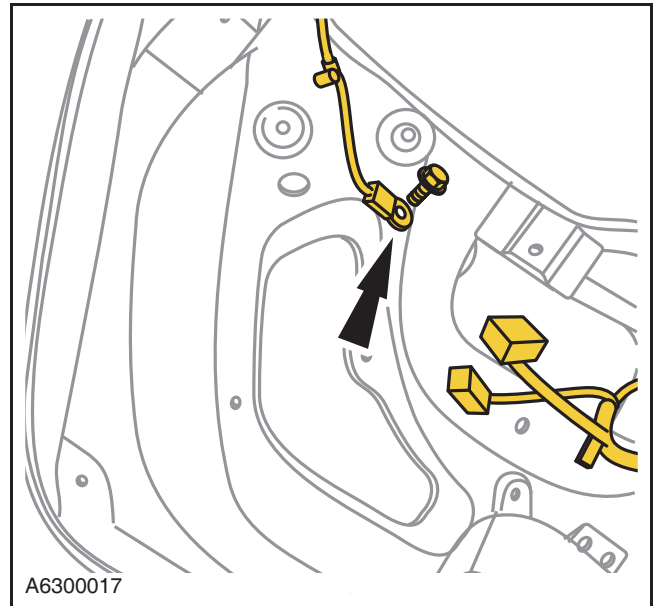


4. Clean and repair the terminals.

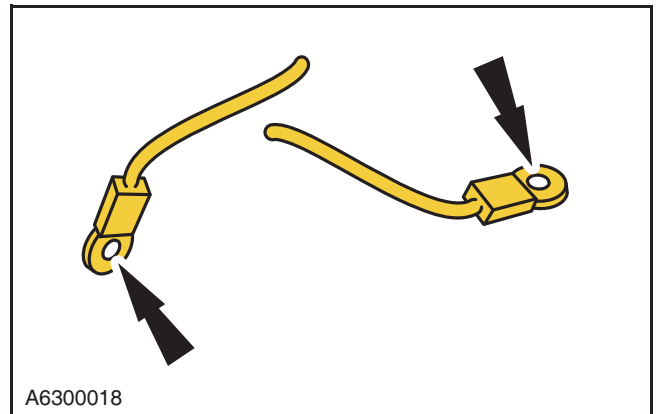


Poor Ground Connection Repair

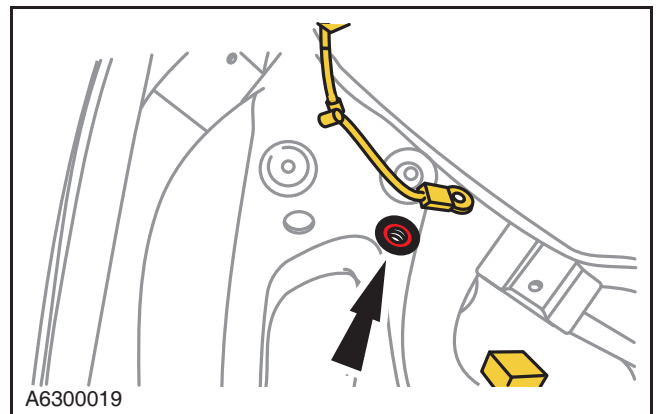
1. Remove the ground bolt.



2. Clean the two surfaces (both bolt side and car contact side) of the copper ring with grit cloth until the oxide completely cleared.



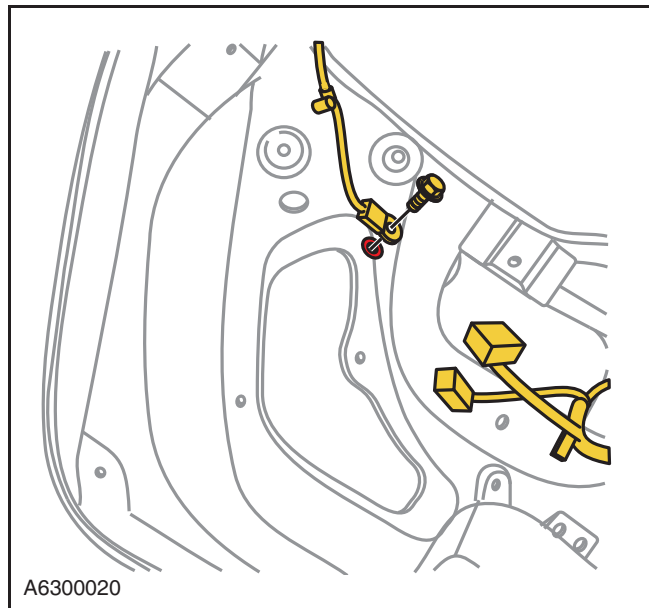
3. Clean the ground surface on the car with grit cloth until it completely clean.

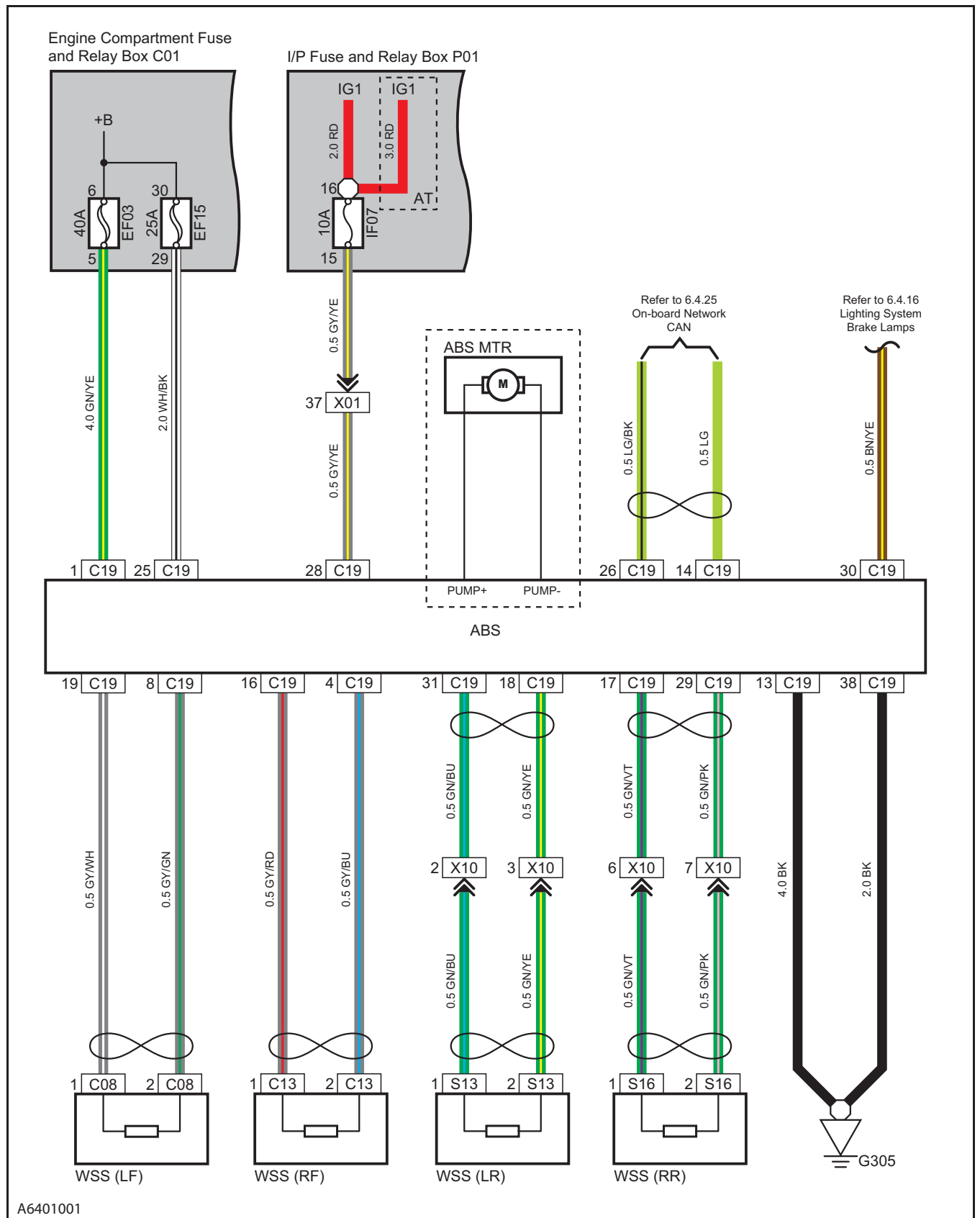


4. Install the ground harness and the retaining bolt. Tighten to specified torque.

Torque: M6 Bolts 8 Nm

M8 Bolts 20 Nm

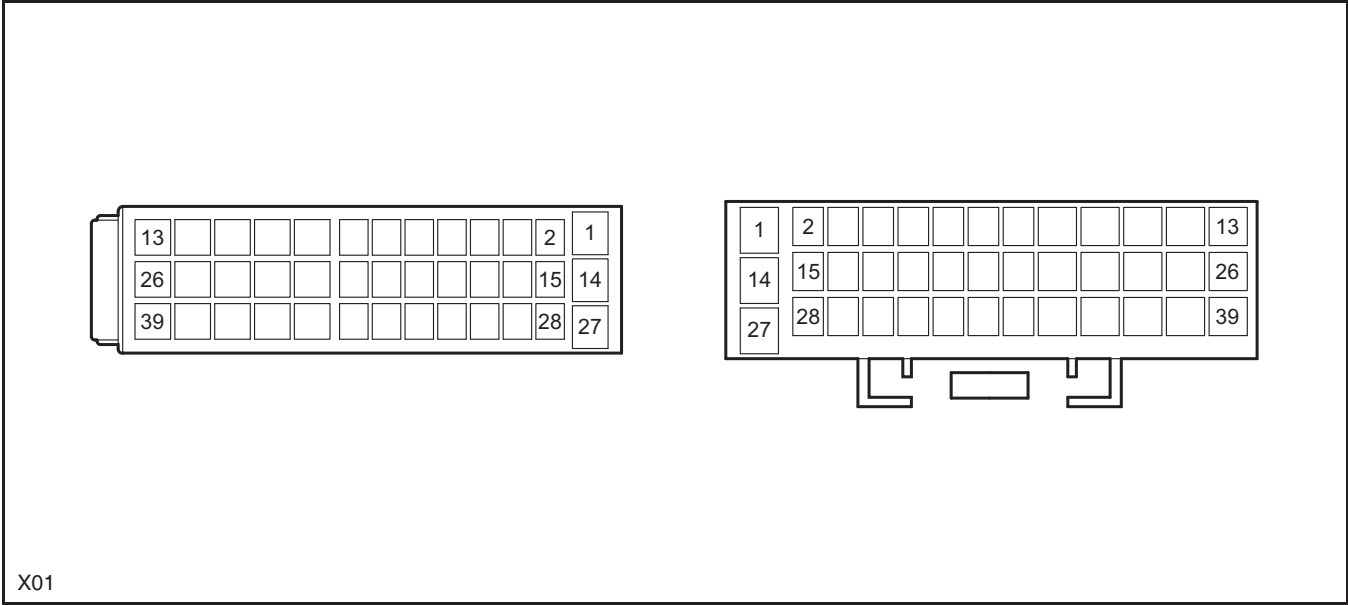




A6401001

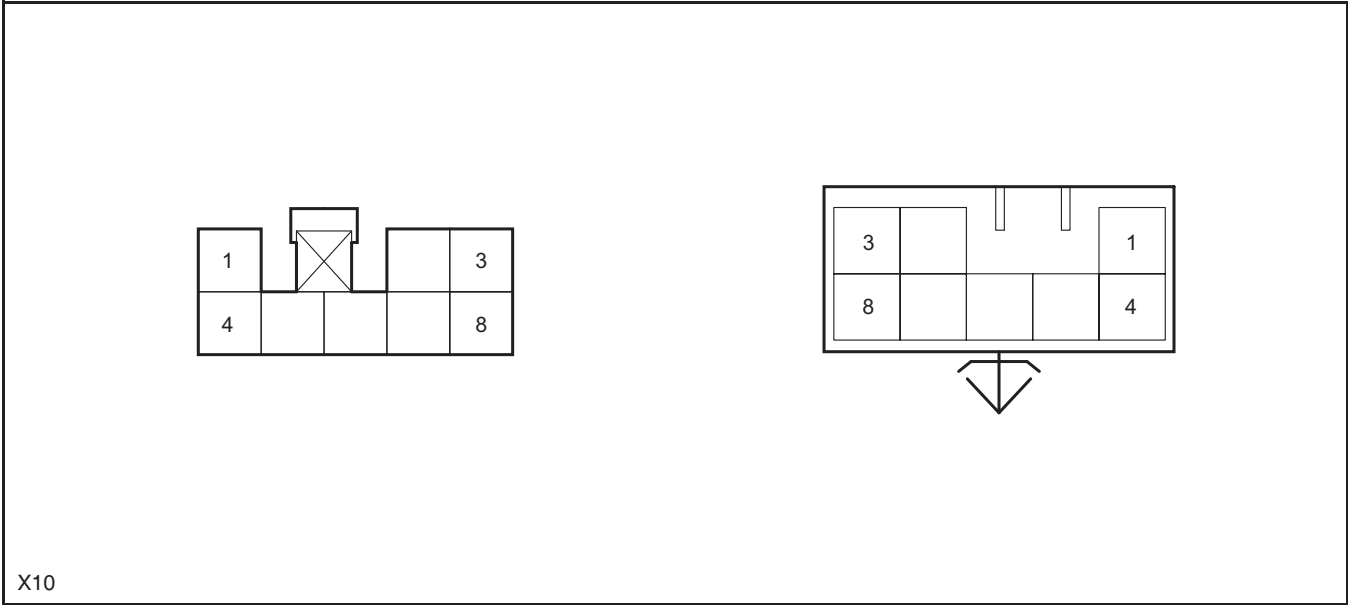
I/P Harness to Engine Compartment Harness Connector A

Engine Compartment Harness to I/P Harness Connector A

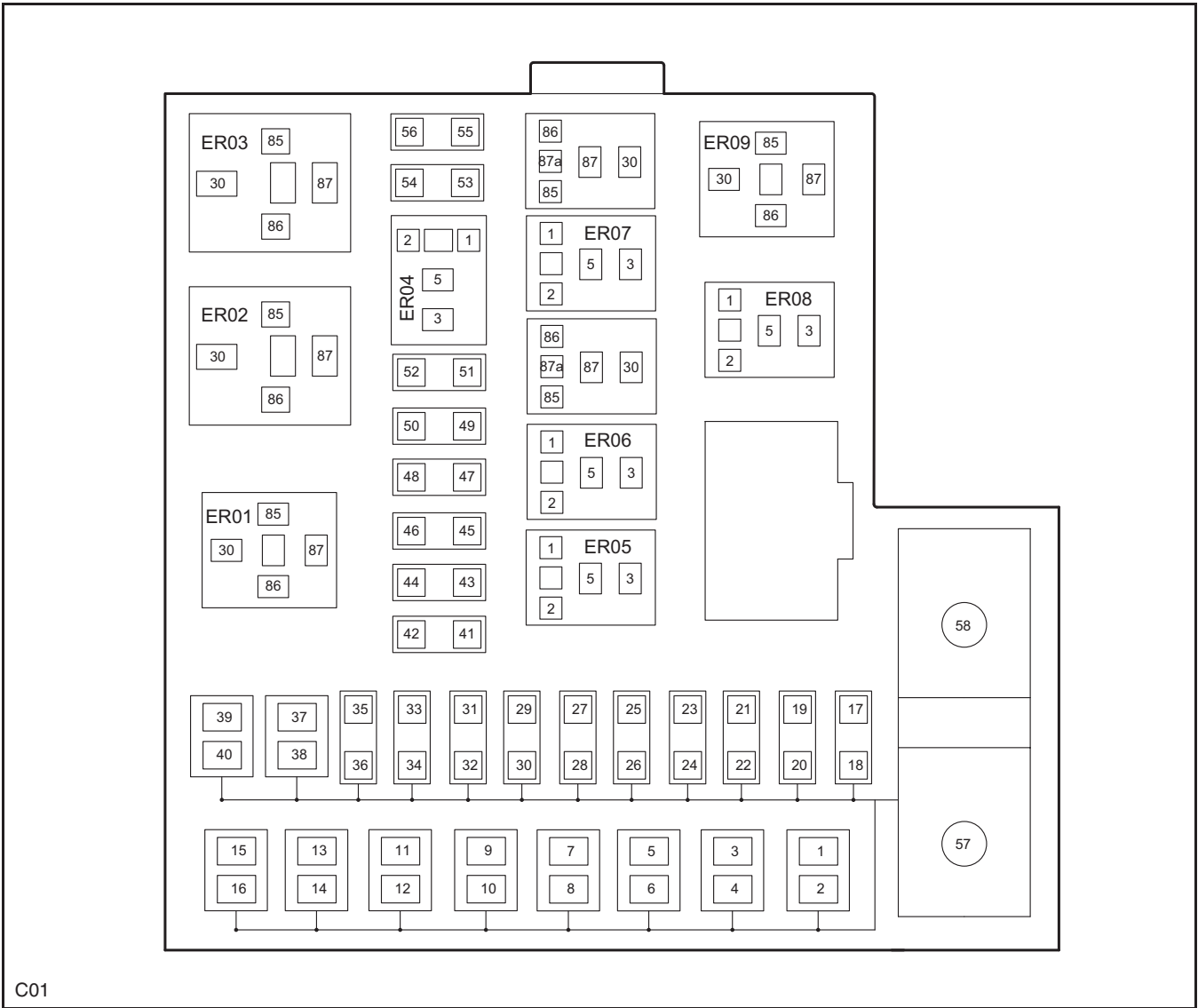


Floor Harness to Engine Compartment Harness Connector

Engine Compartment Harness to Floor Harness Connector

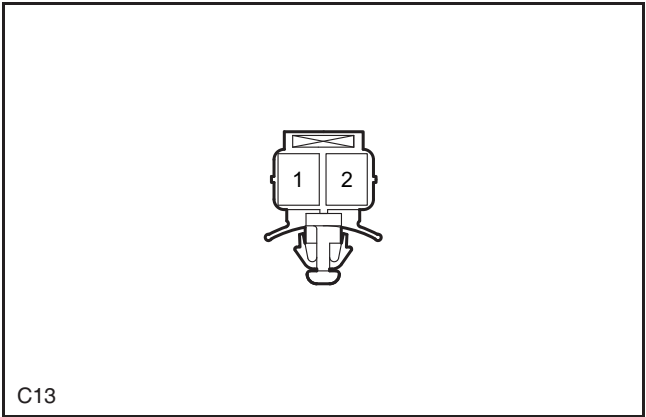
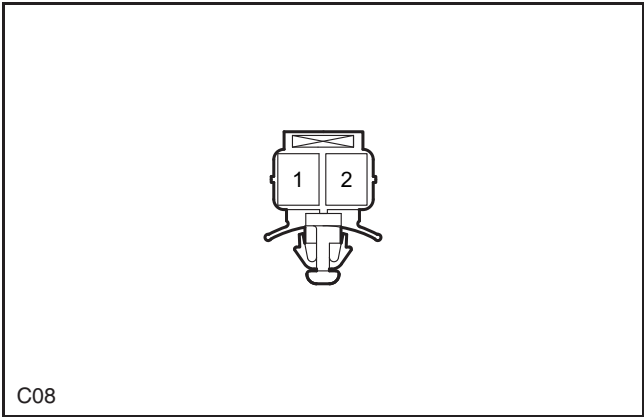


Engine Compartment Fuse and Relay Box

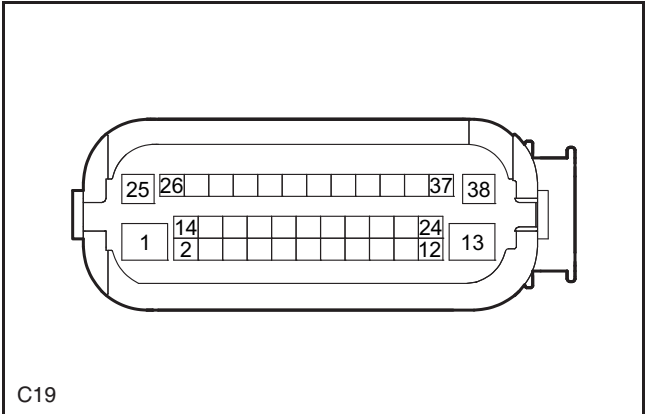


WSS (LF) Connector

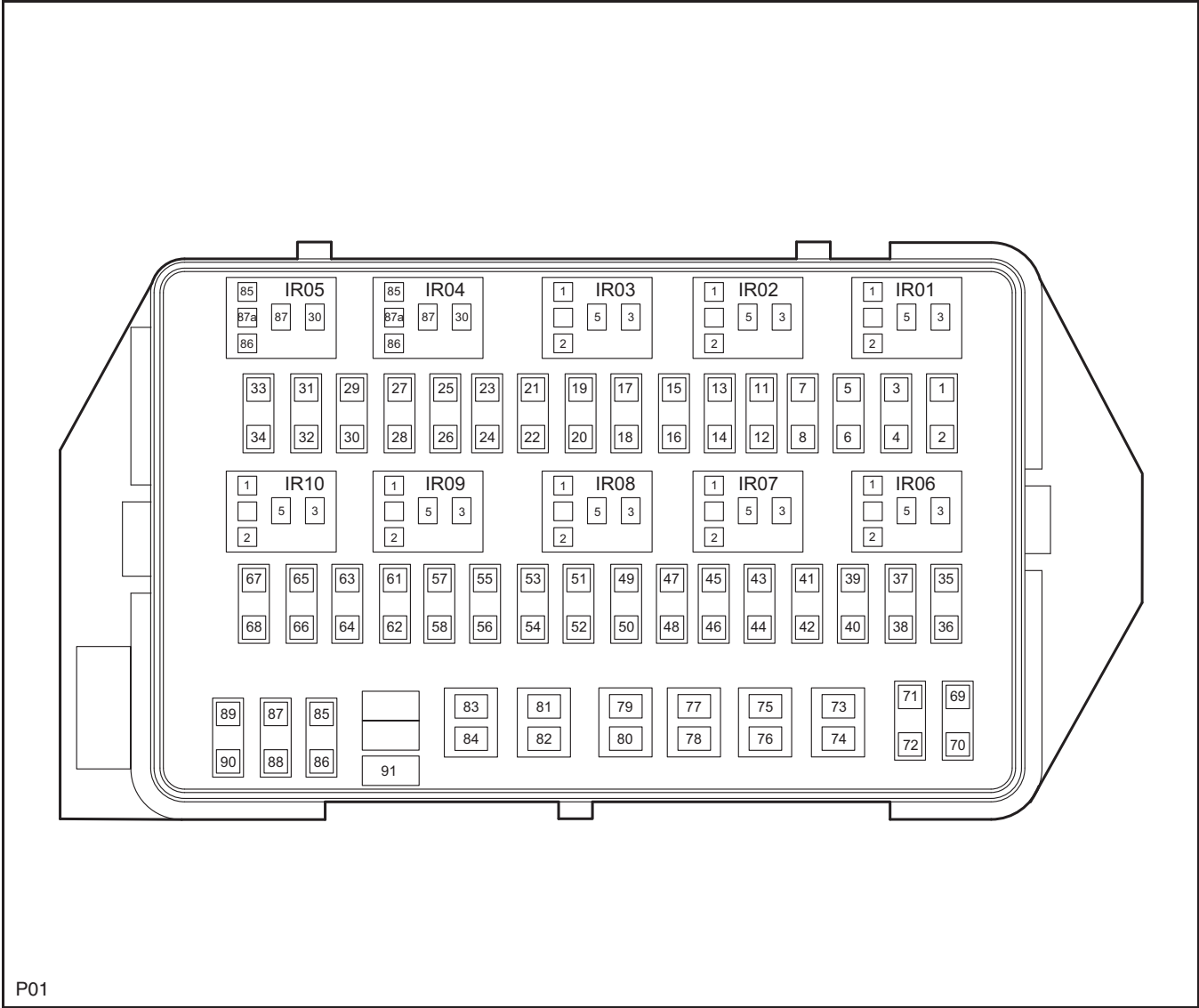
WSS (RF) Connector



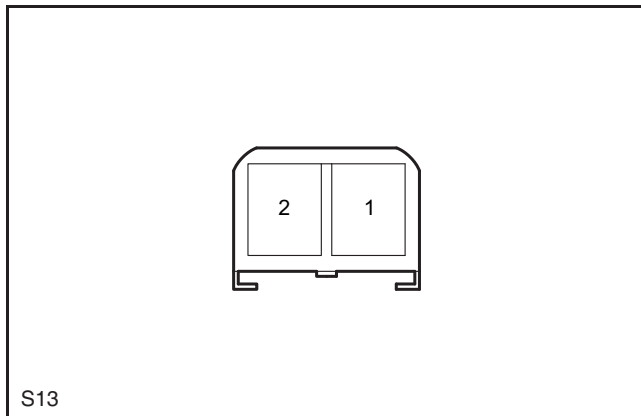
ABS Connector



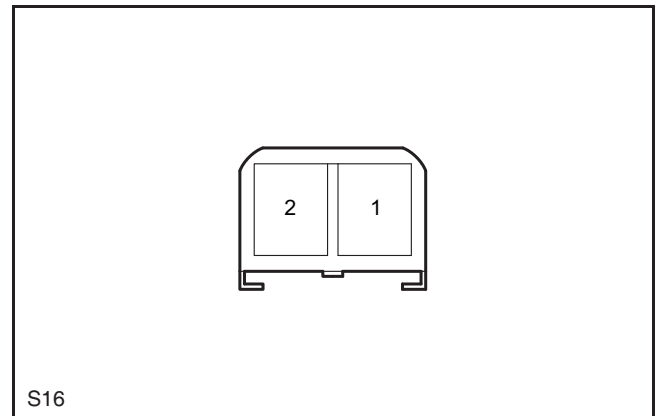
I/P Fuse and Relay Box



WSS (LR) Connector



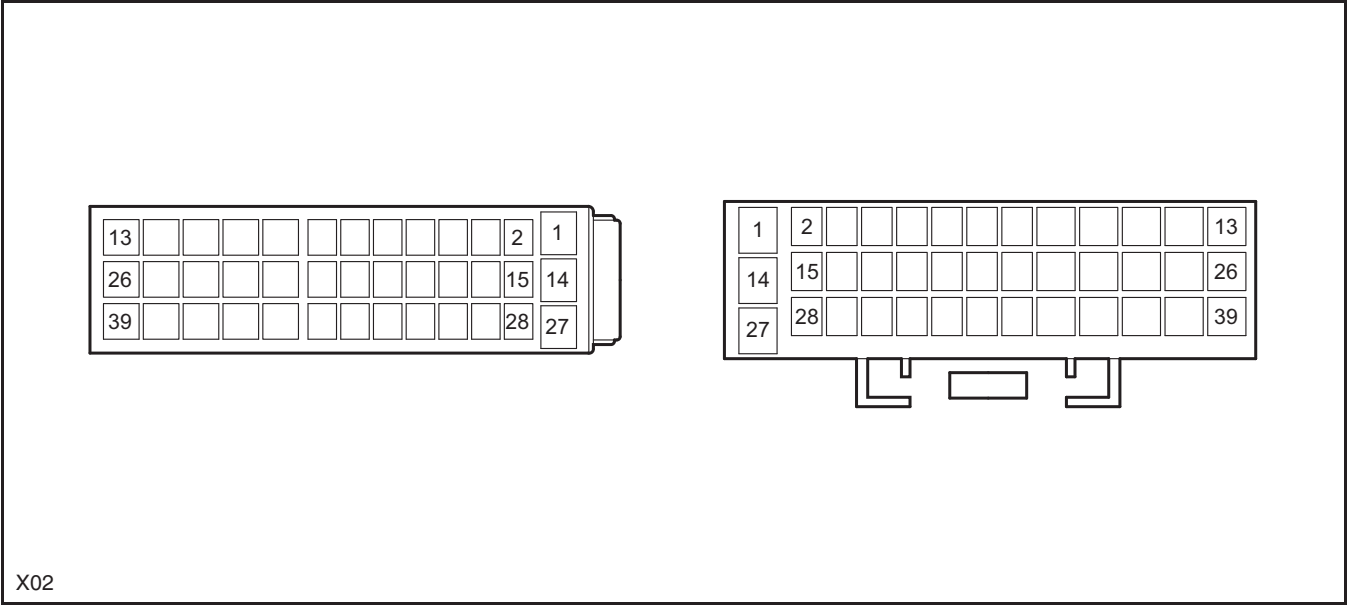
WSS (RR) Connector





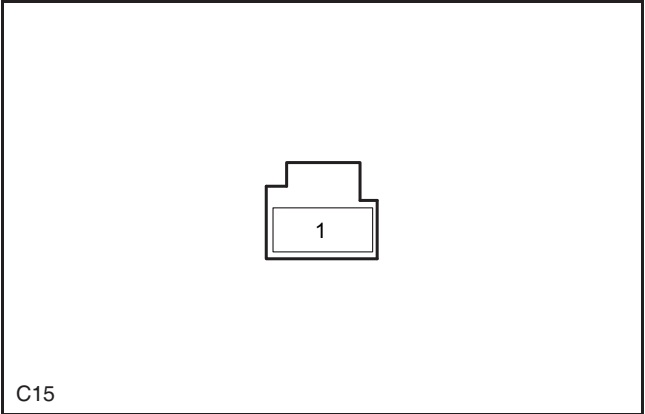
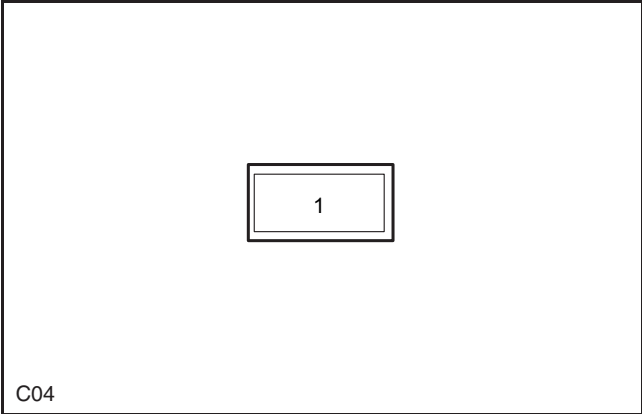
I/P Harness to Engine Compartment Harness Connector B

Engine Compartment Harness to I/P Harness Connector B



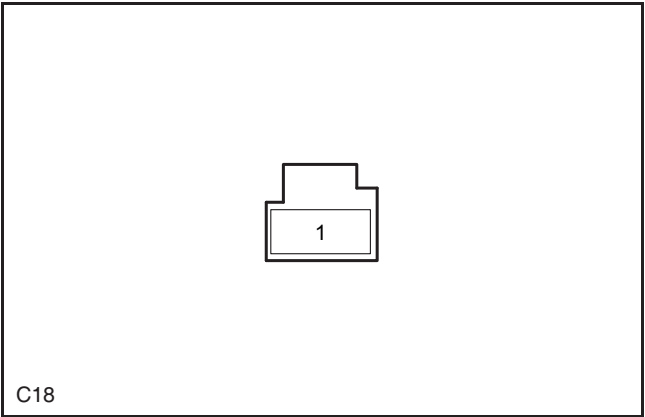
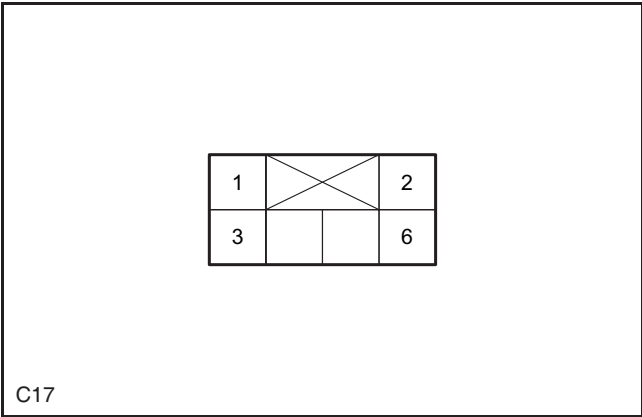
Battery Positive Lug (EPS Power)

EPS Power

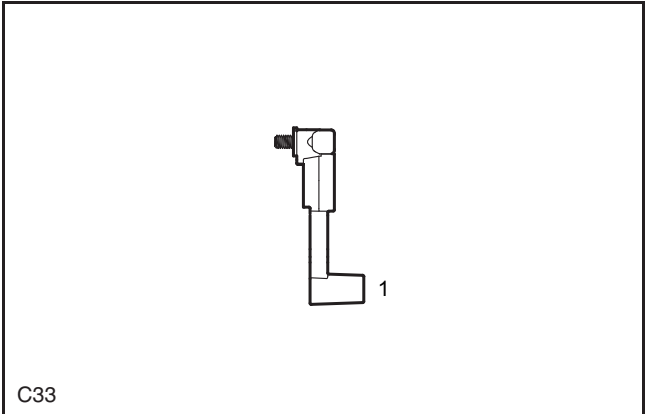


EPS Connector

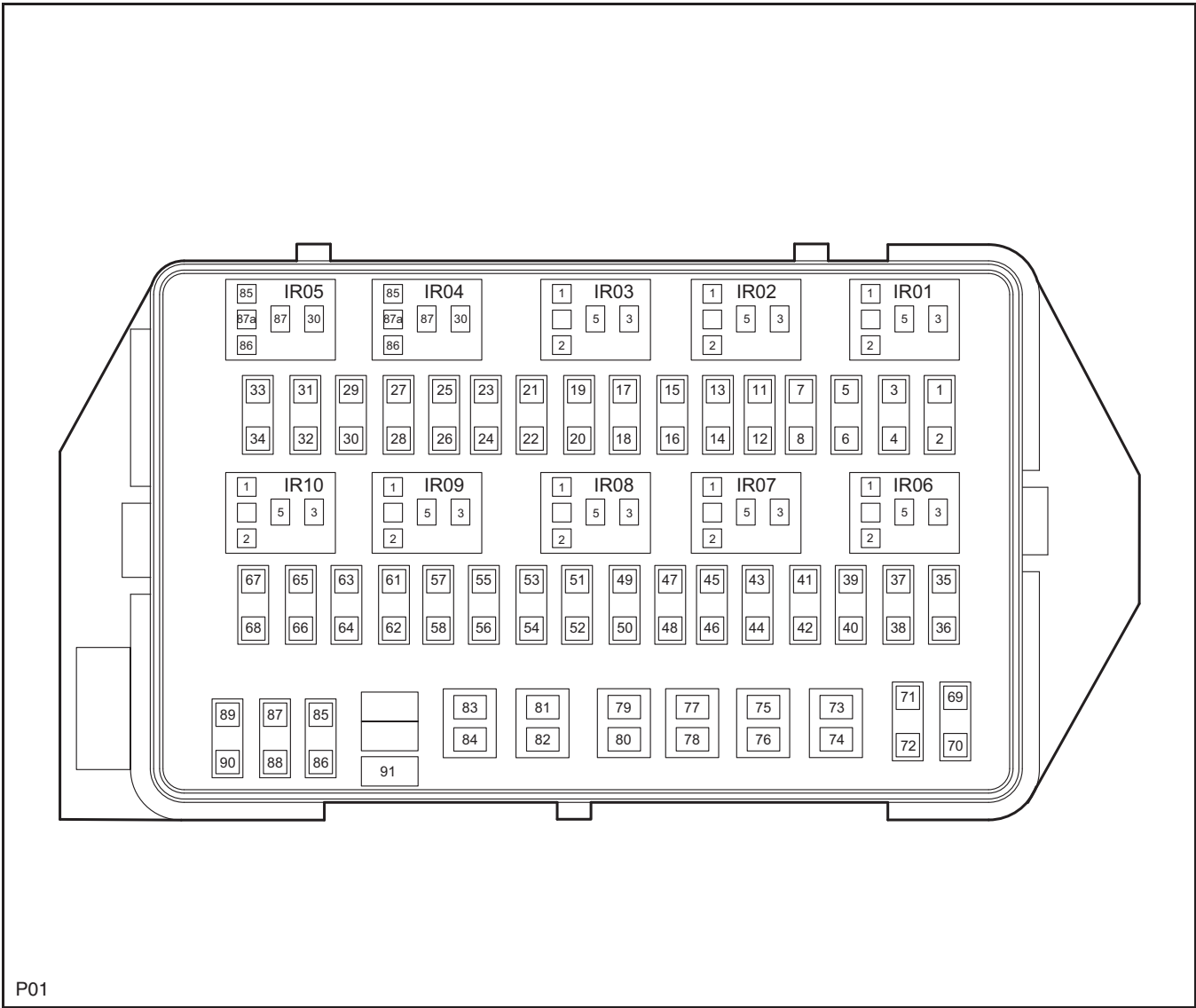
EPS Ground

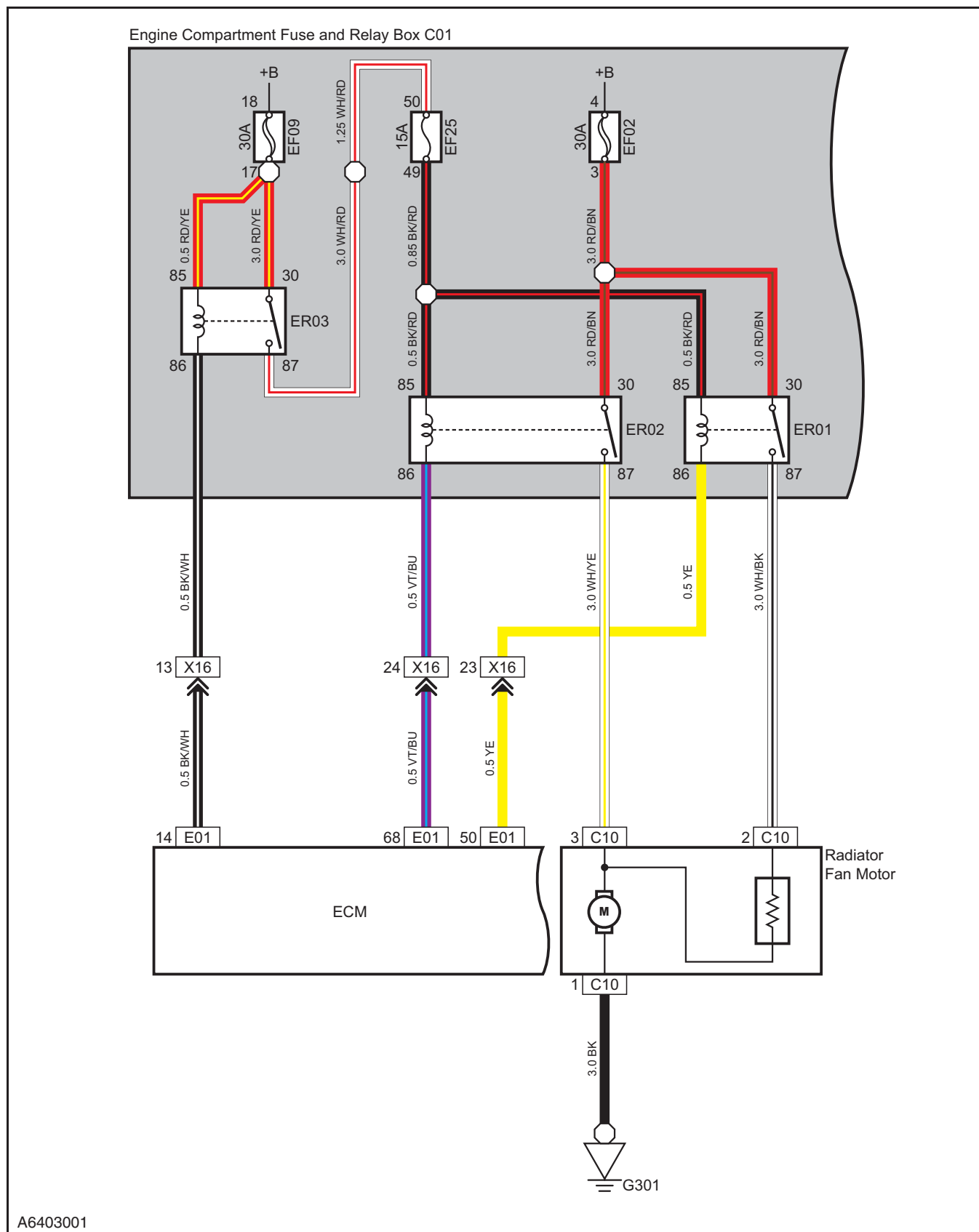


Battery Negative Lug



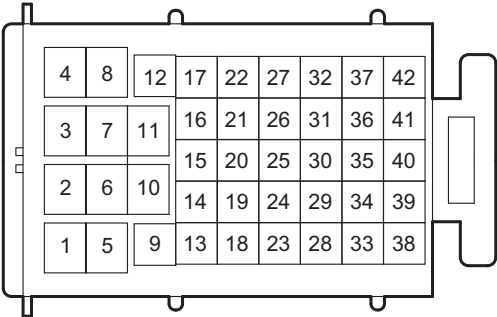
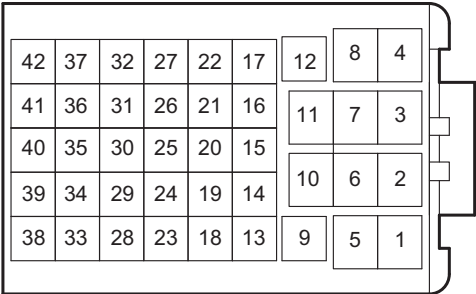
I/P Fuse and Relay Box





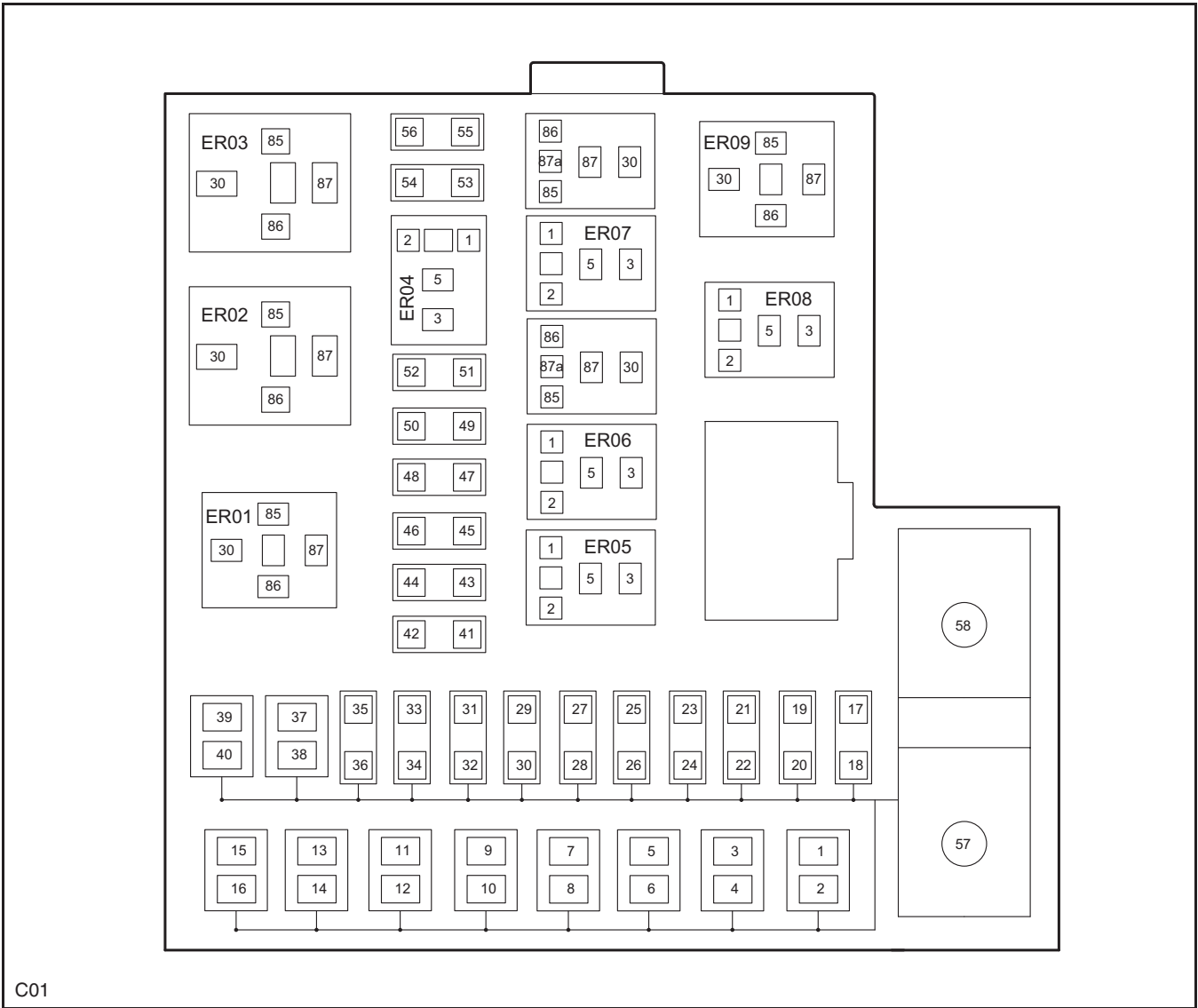
Engine Compartment Harness to Engine Harness
Connector

Engine Harness to Engine Compartment Harness
Connector



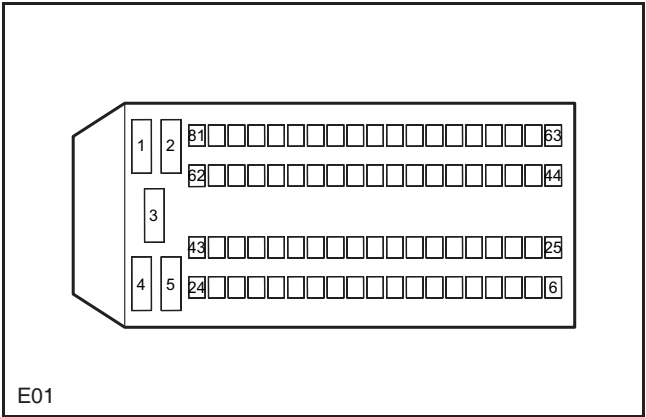
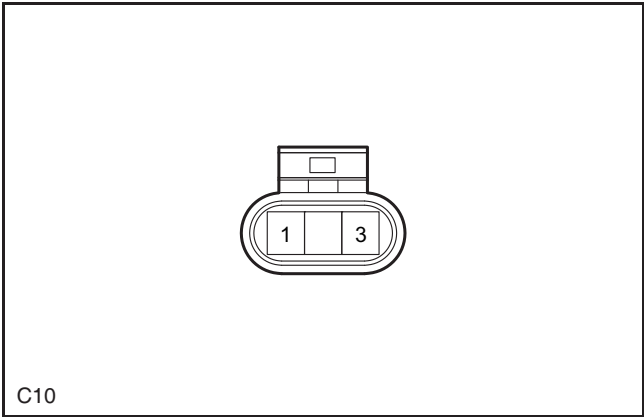
X16

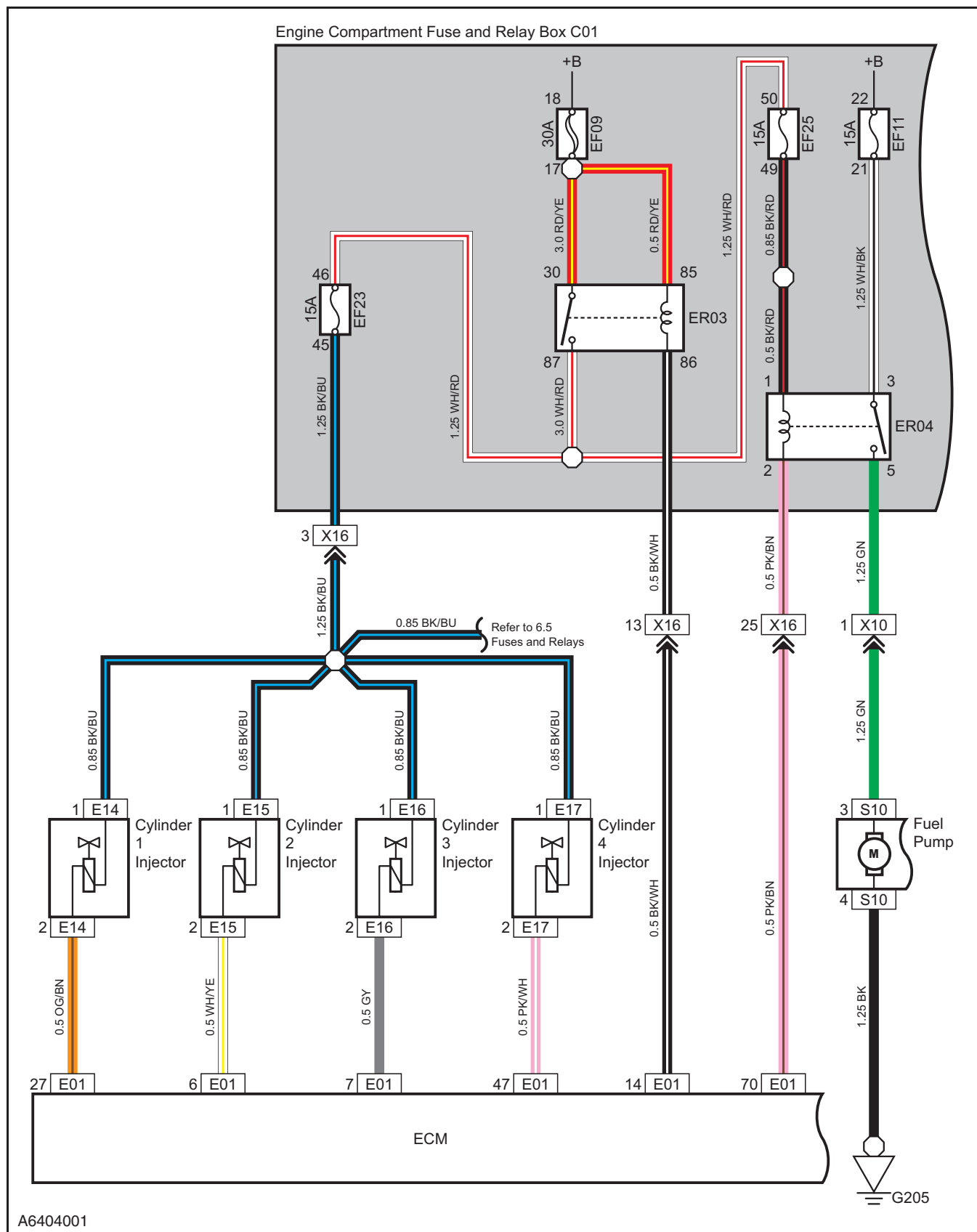
Engine Compartment Fuse and Relay Box



Radiator Fan Motor Connector

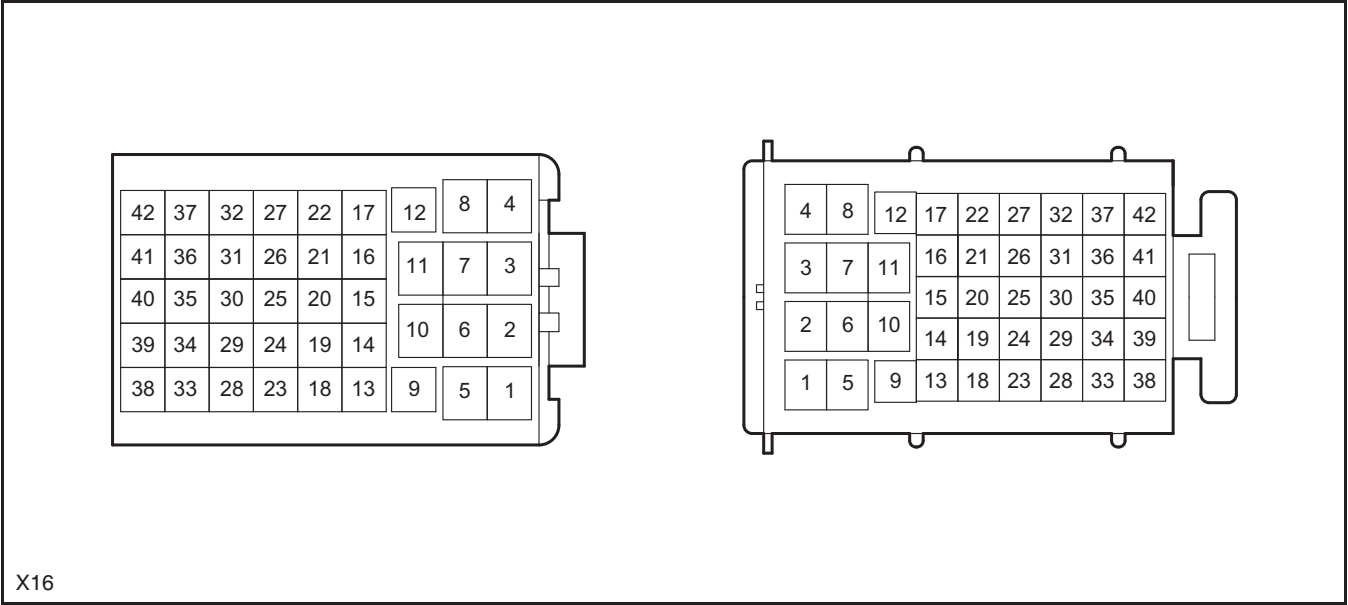
ECM Connector



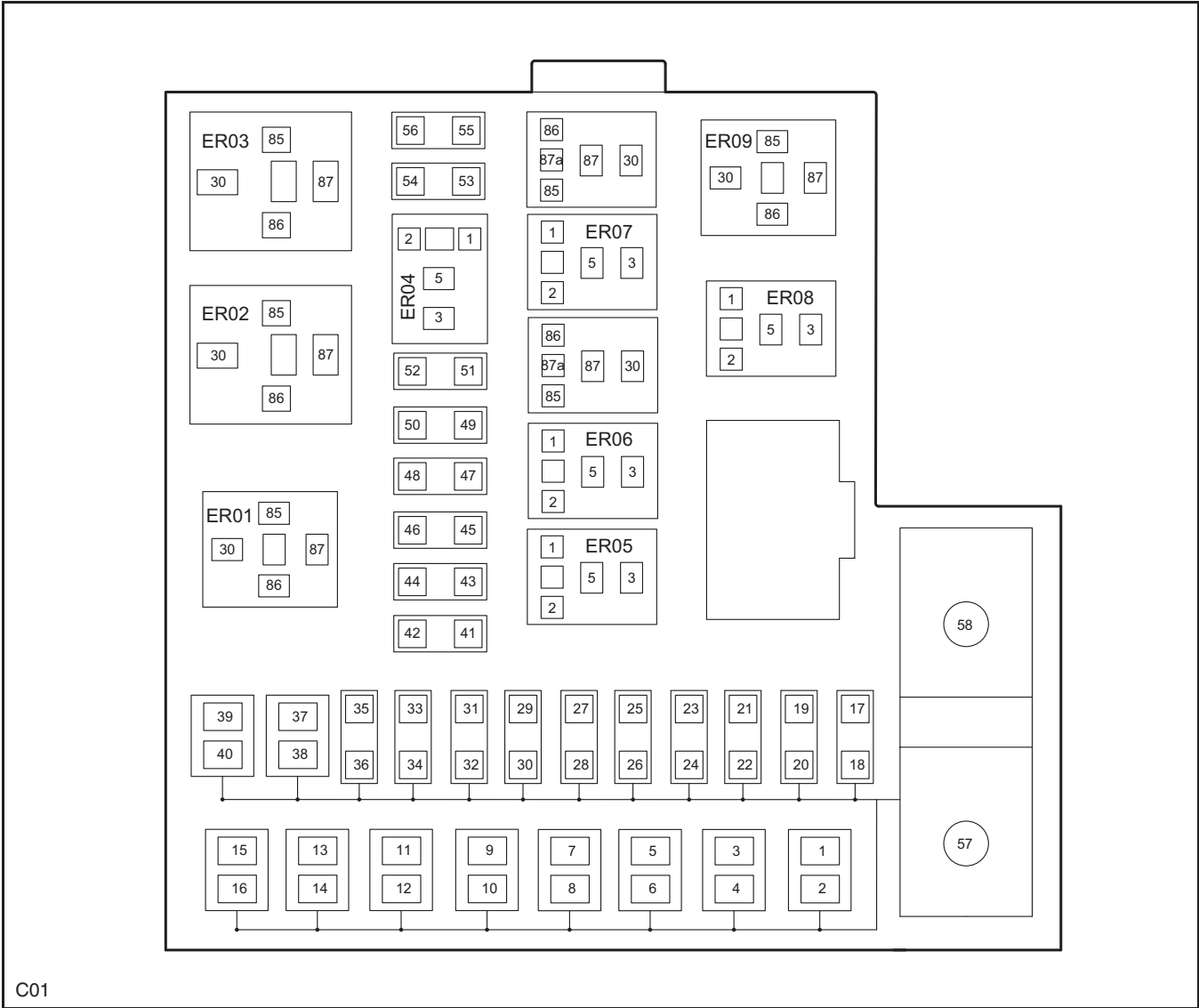


Engine Compartment Harness Connector

Engine Harness to Engine Compartment Harness Connector

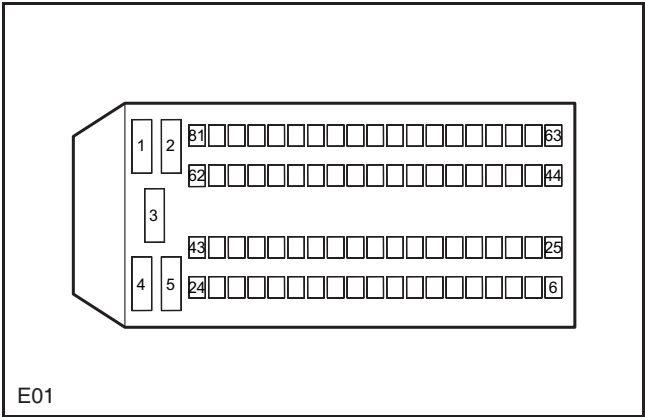


Engine Compartment Fuse and Relay Box

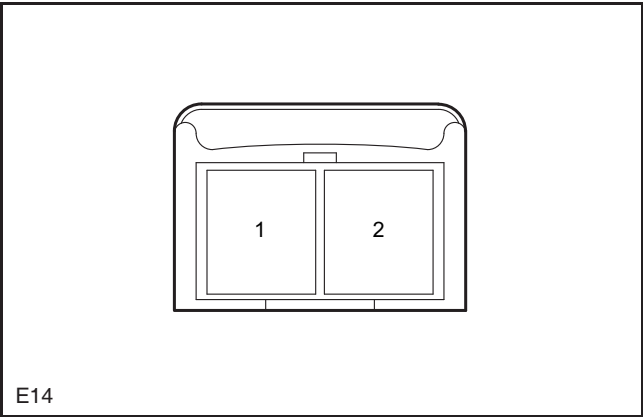


ECM Connector

Cylinder 1 Injector Connector

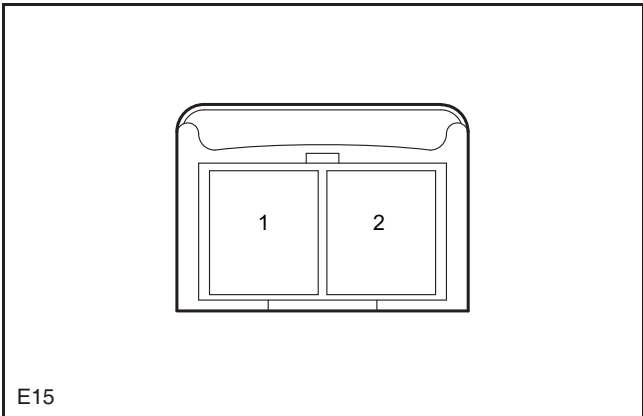


E01

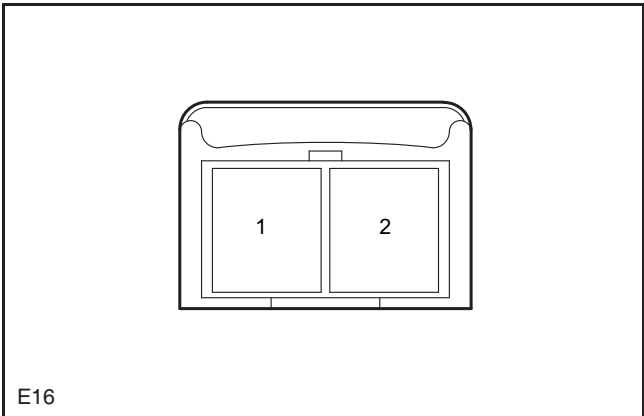


E14

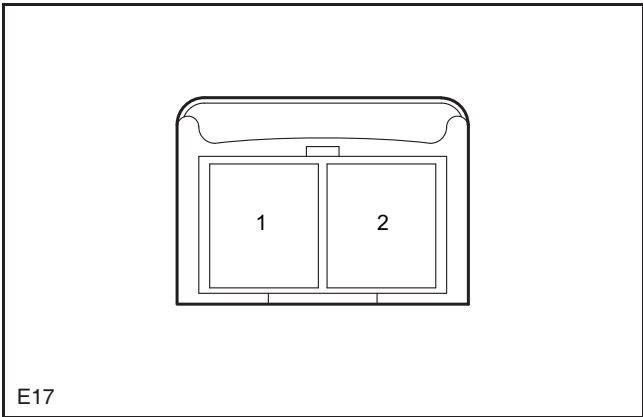
Cylinder 2 Injector Connector



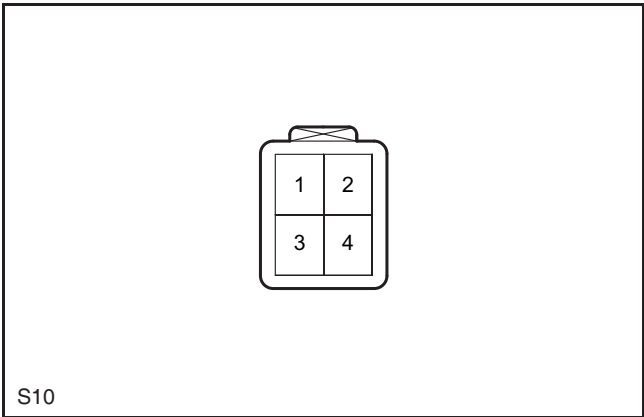
Cylinder 3 Injector Connector

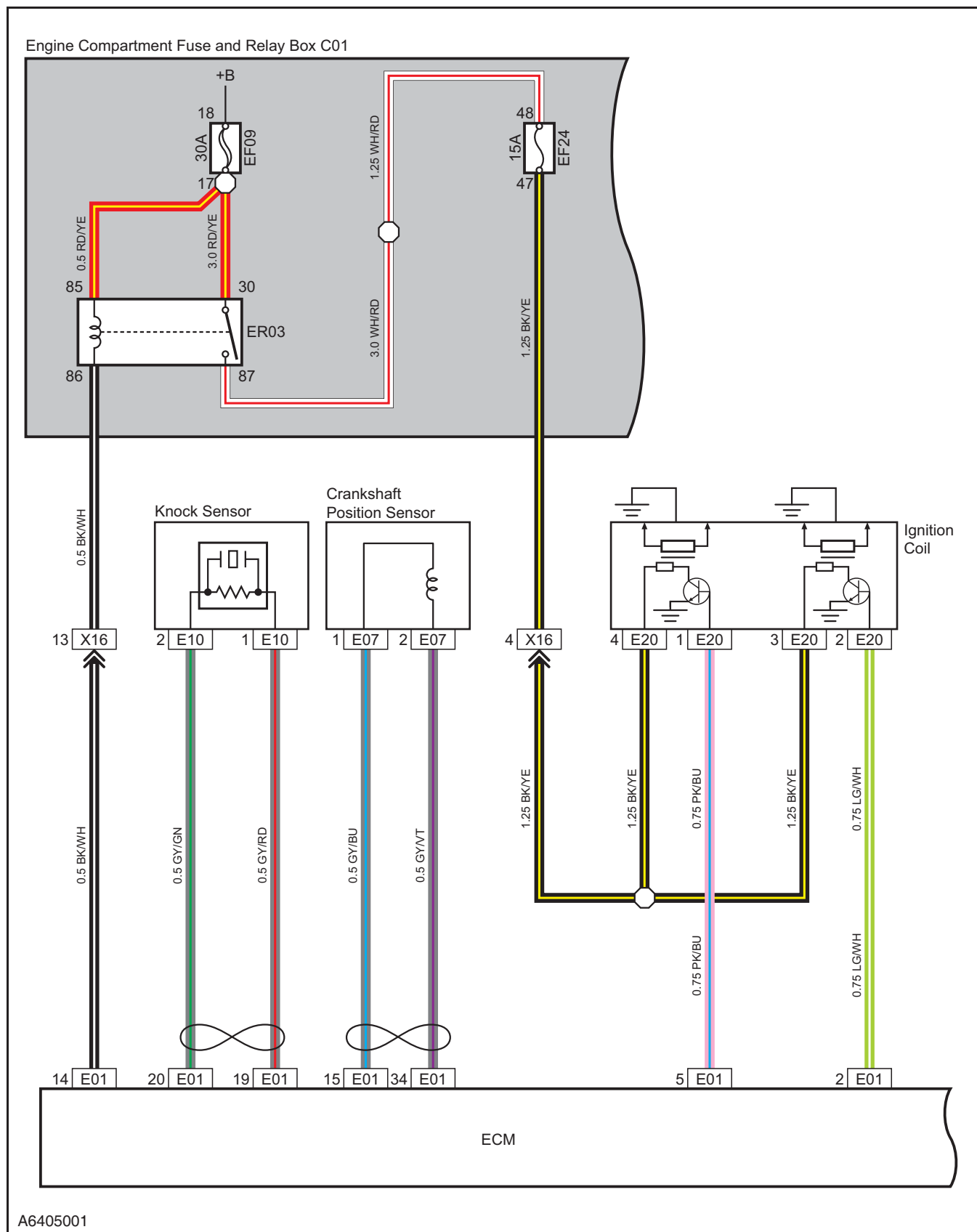


Cylinder 4 Injector Connector



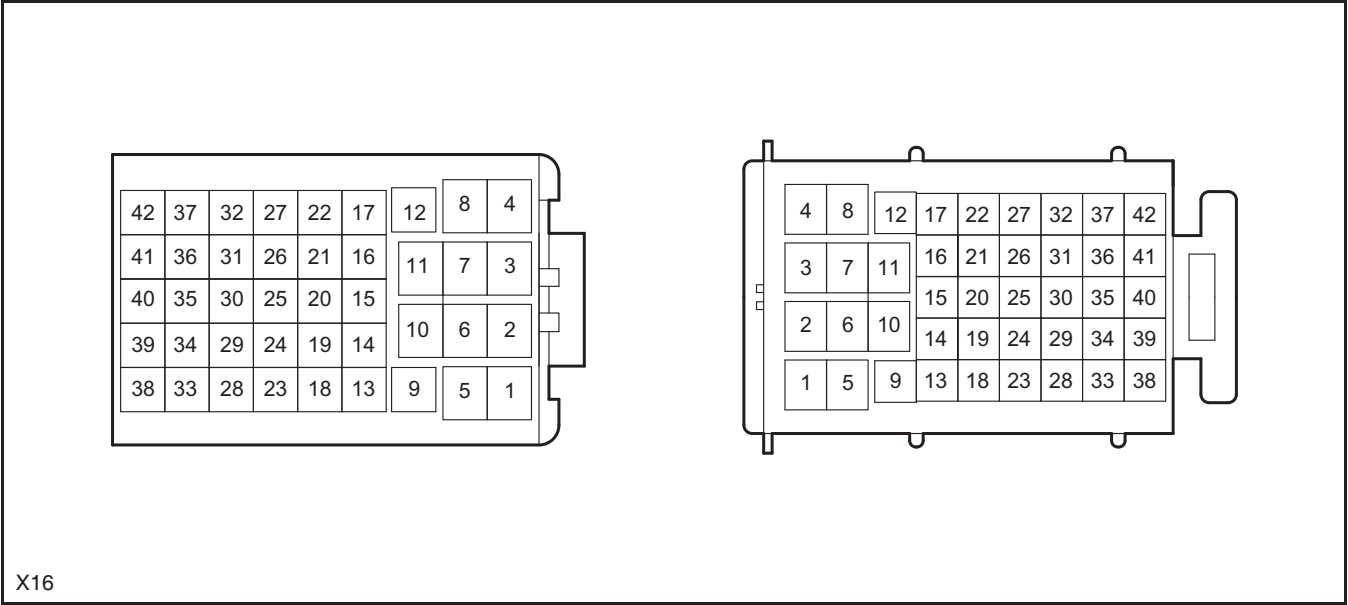
Fuel Pump Connector



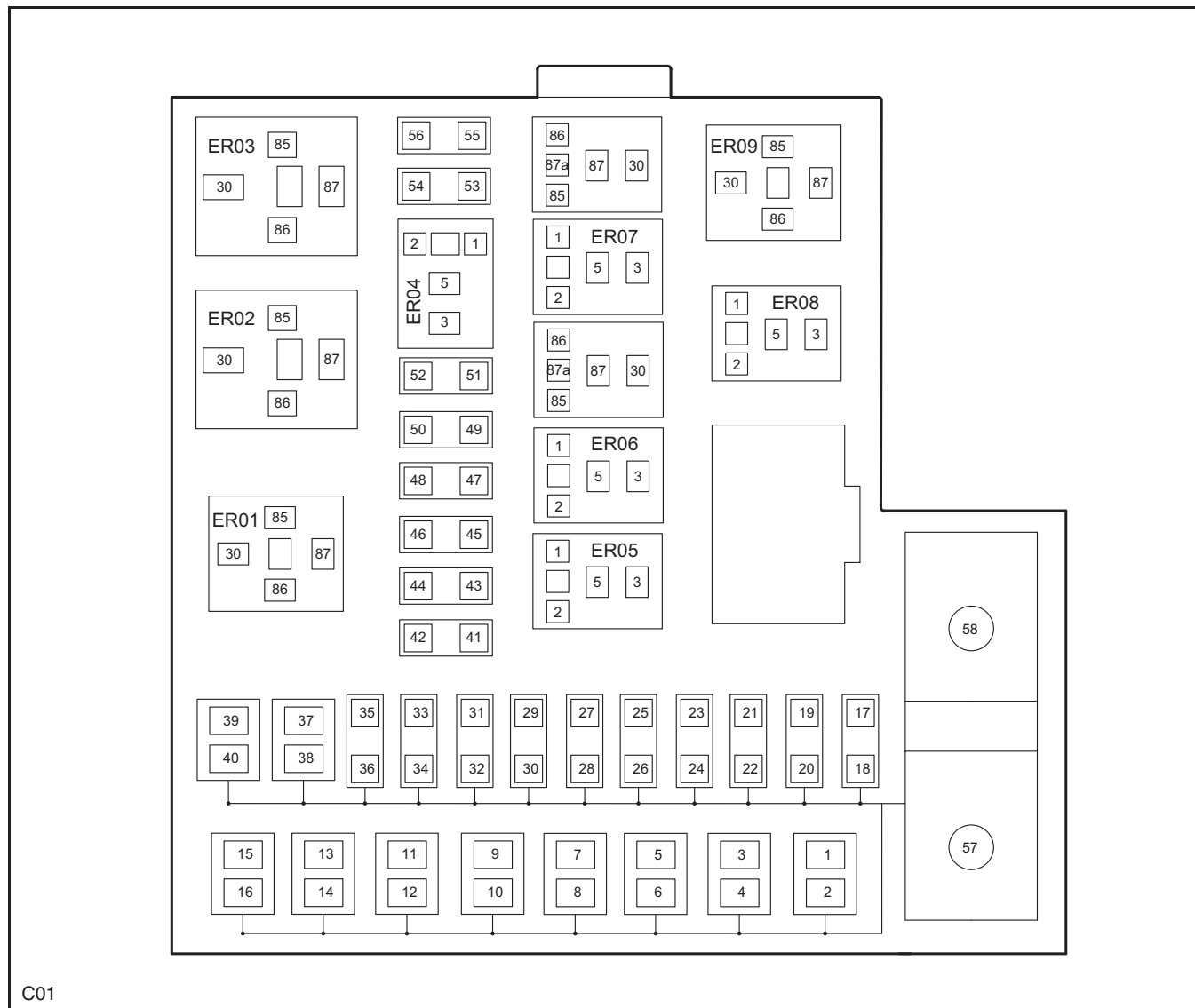


Engine Compartment Harness to Engine Harness
Connector

Engine Harness to Engine Compartment Harness
Connector



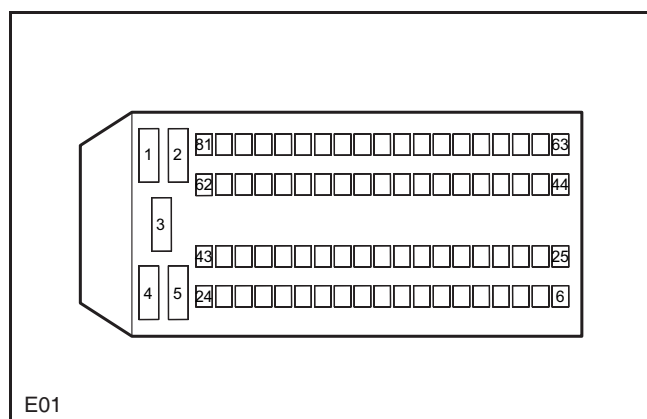
Engine Compartment Fuse and Relay Box



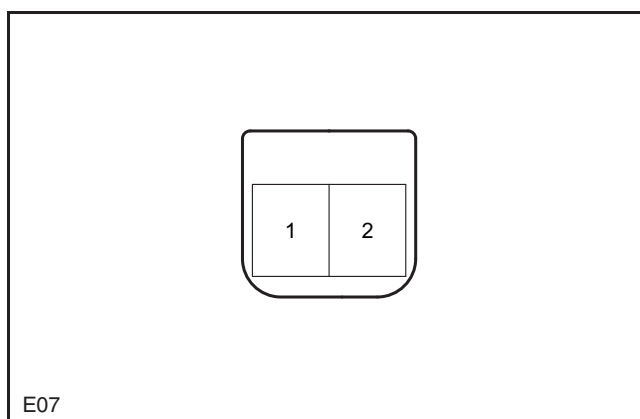
C01

ECM Connector

Crankshaft Position Sensor Connector

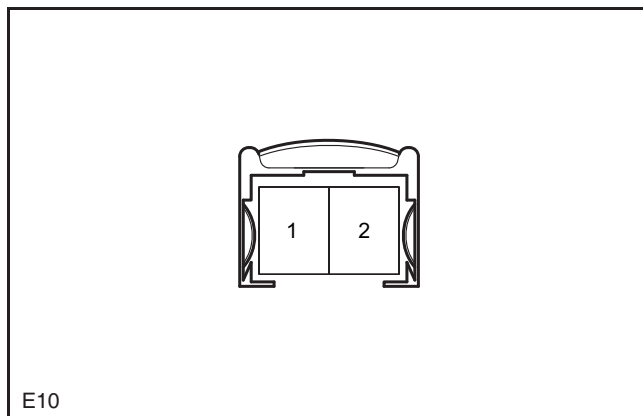


E01

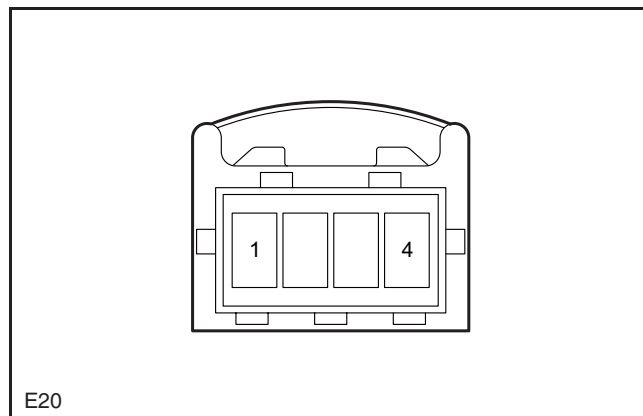


E07

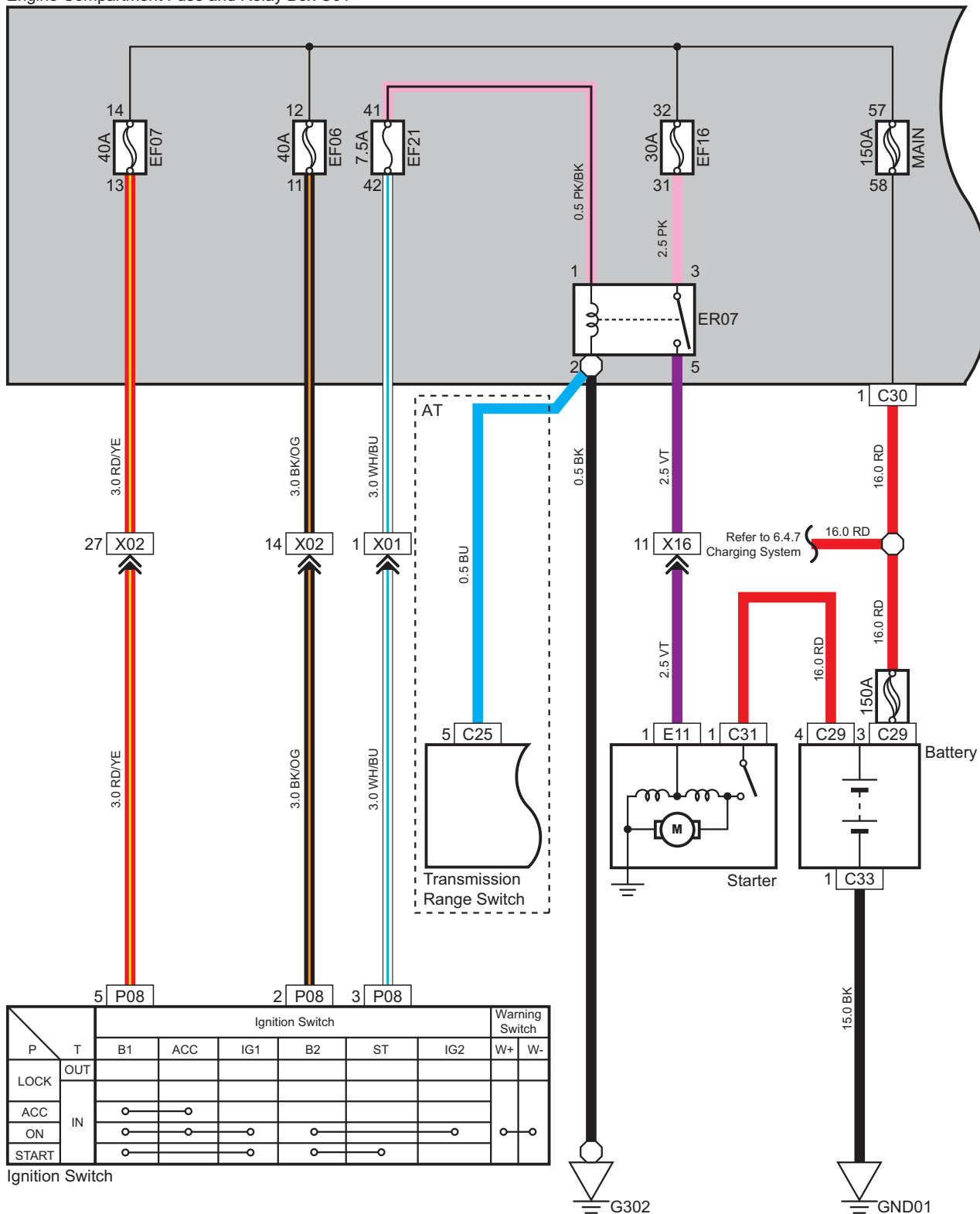
Knock Sensor Connector



Ignition Coil Connector



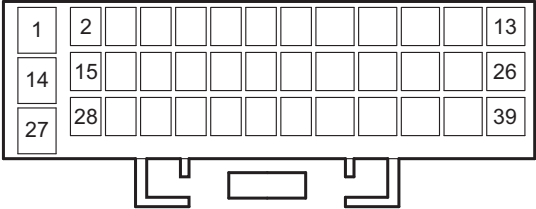
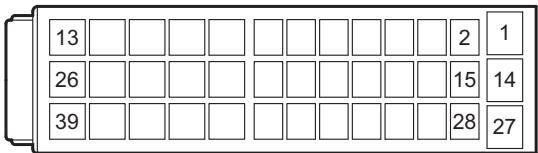
Engine Compartment Fuse and Relay Box C01



A6406001

I/P Harness to Engine Compartment Harness Connector A

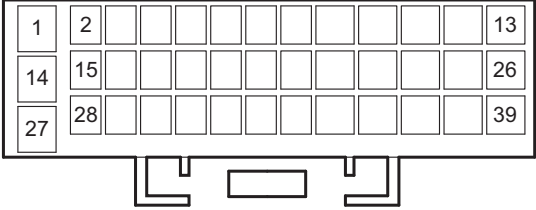
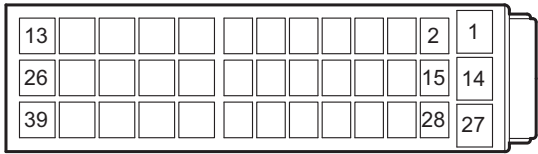
Engine Compartment Harness to I/P Harness Connector A



X01

I/P Harness to Engine Compartment Harness Connector B

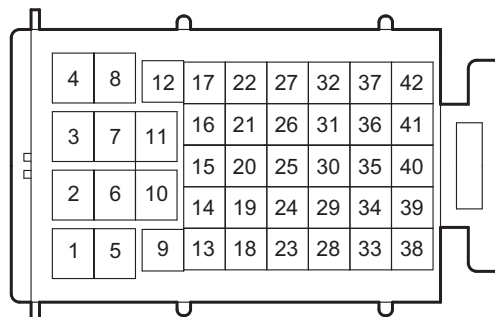
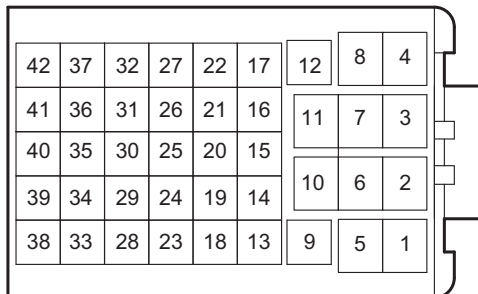
Engine Compartment Harness to I/P Harness Connector B



X02

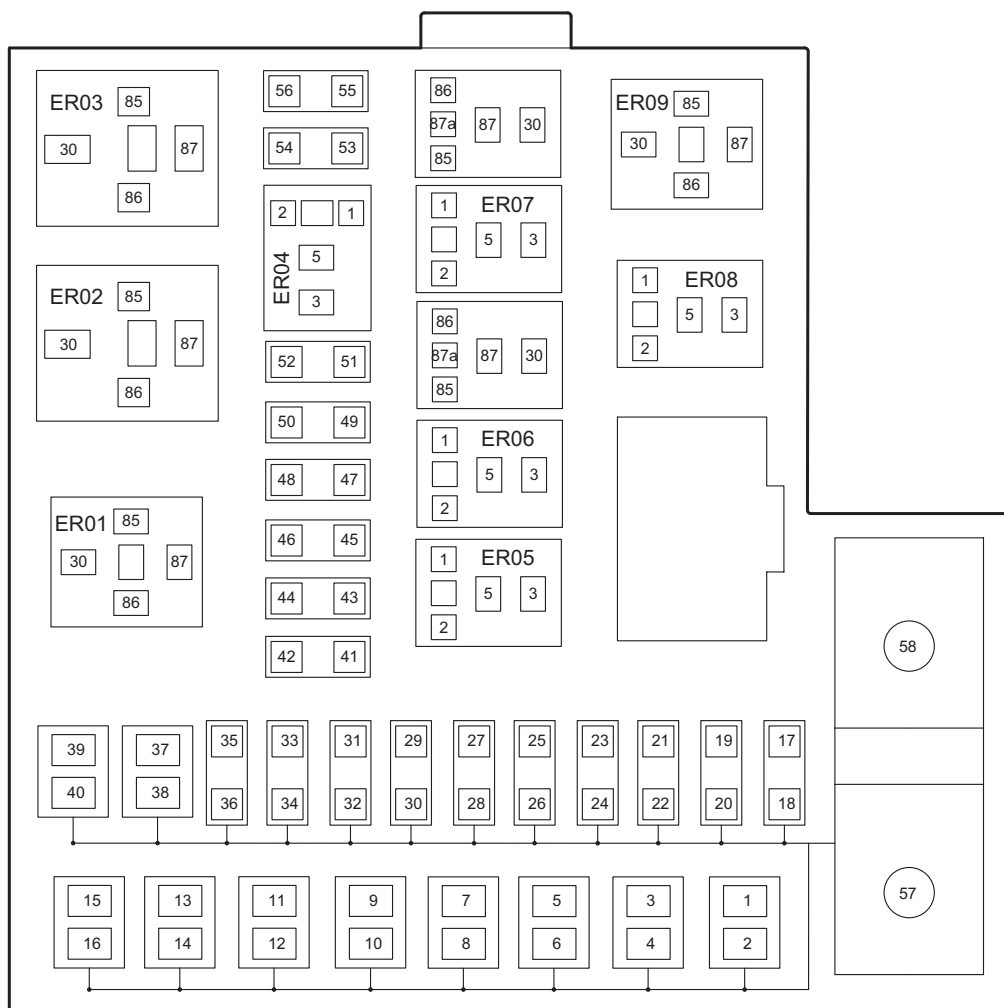
Engine Compartment Harness to Engine Harness
Connector

Engine Harness to Engine Compartment Harness
Connector



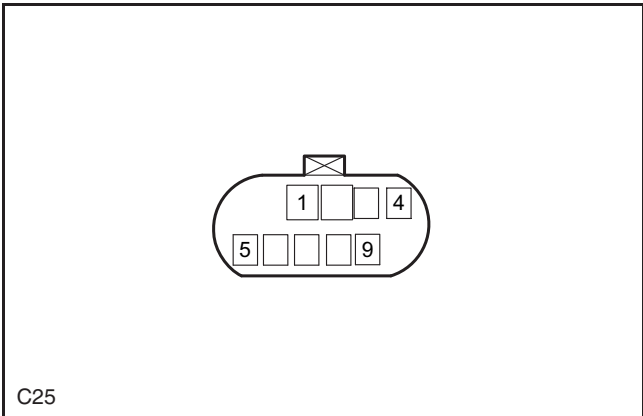
X16

Engine Compartment Fuse and Relay Box

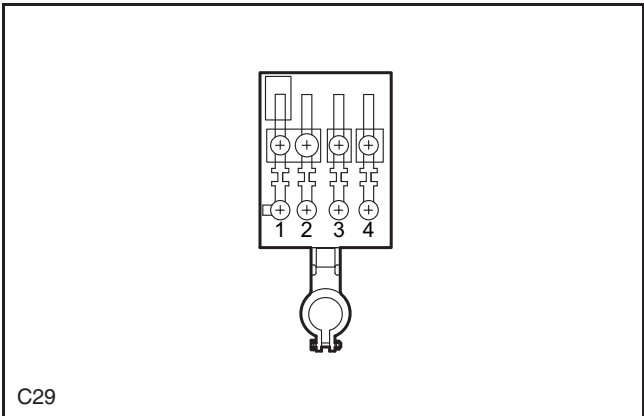


C01

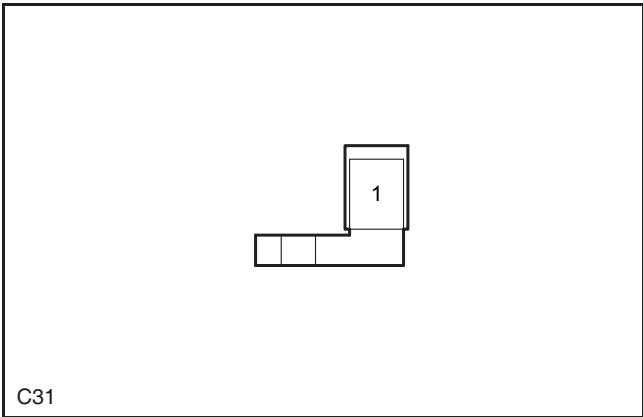
Transmission Range Switch Connector



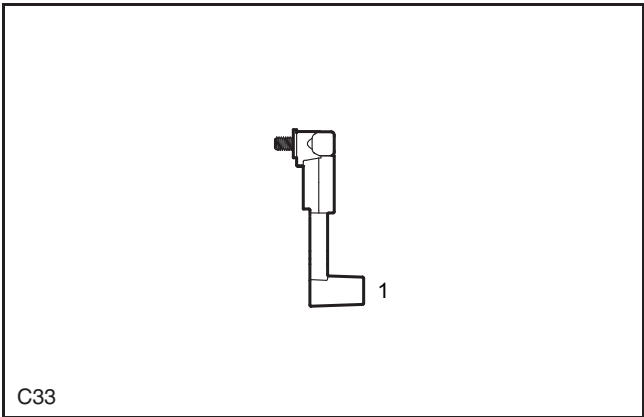
Battery Positive Lug



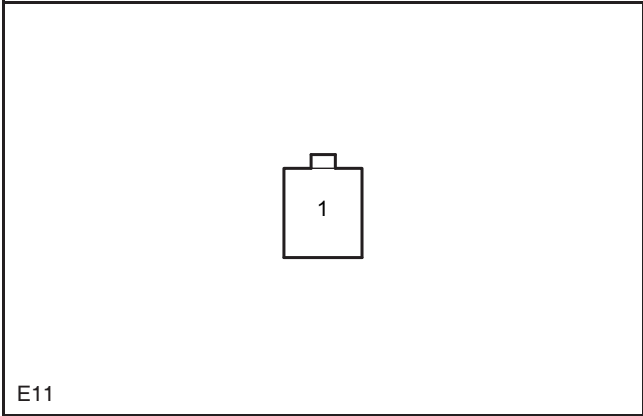
Starter Connector

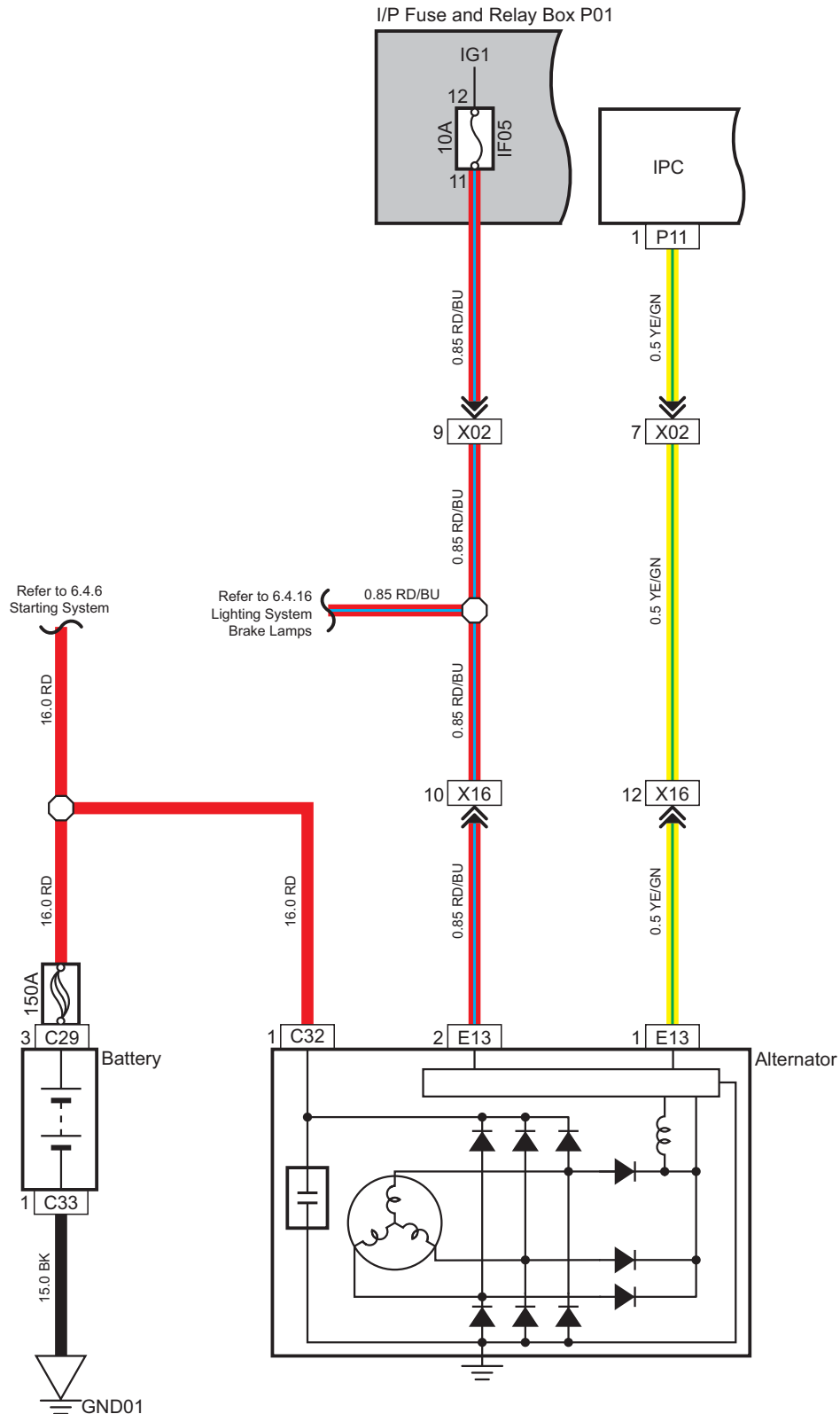


Battery Negative Lug



Starter Connector

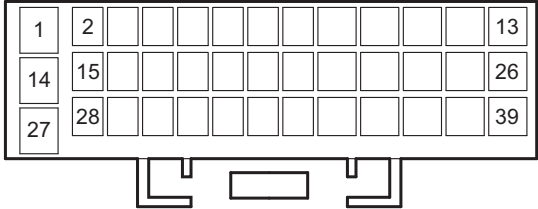
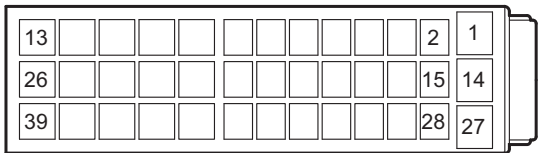




A6407001

I/P Harness to Engine Compartment Harness Connector B

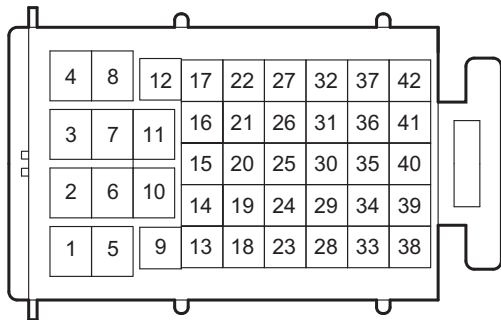
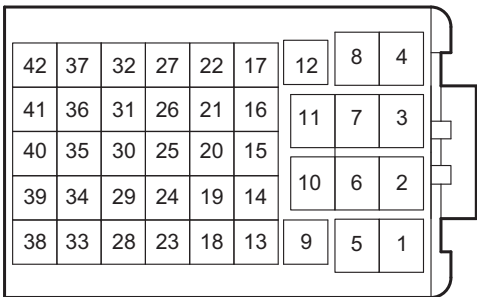
Engine Compartment Harness to I/P Harness Connector B



X02

Engine Compartment Harness to Engine Harness Connector

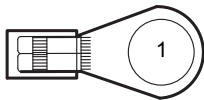
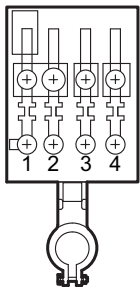
Engine Harness to Engine Compartment Harness Connector



X16

Battery Positive Lug

Alternator Connector

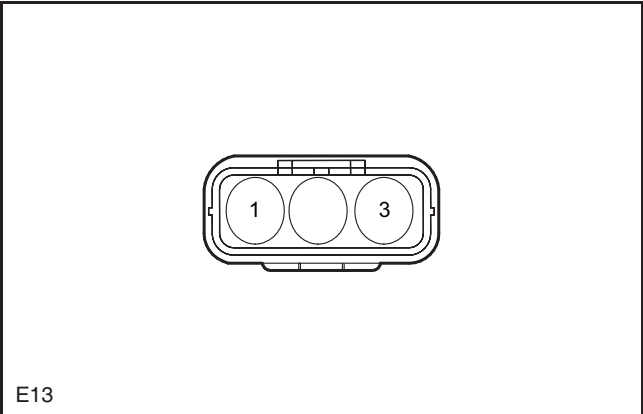
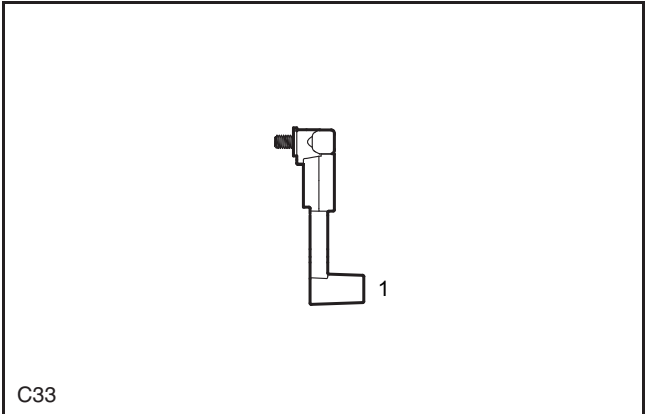


C29

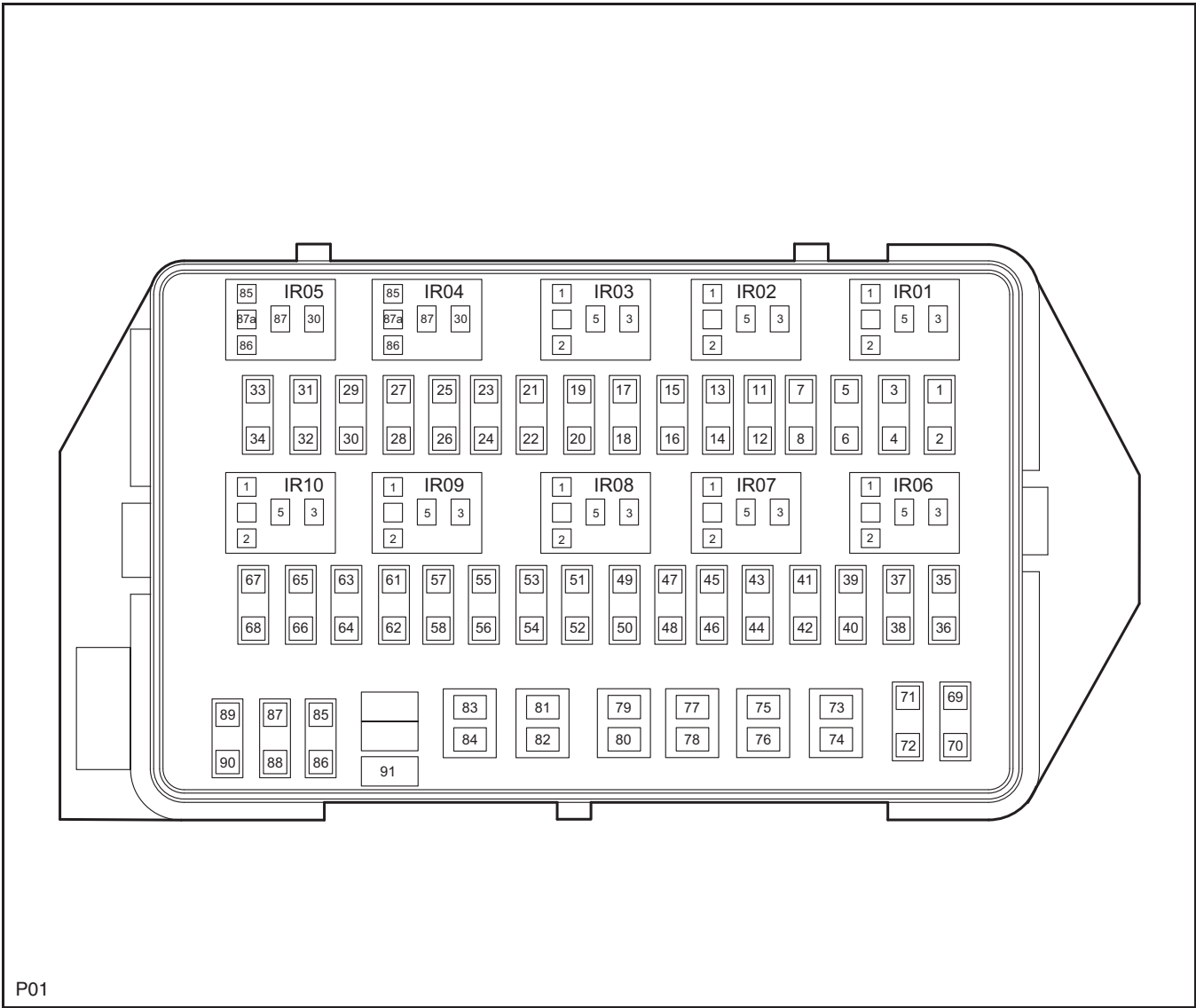
C32

Battery Negative Lug

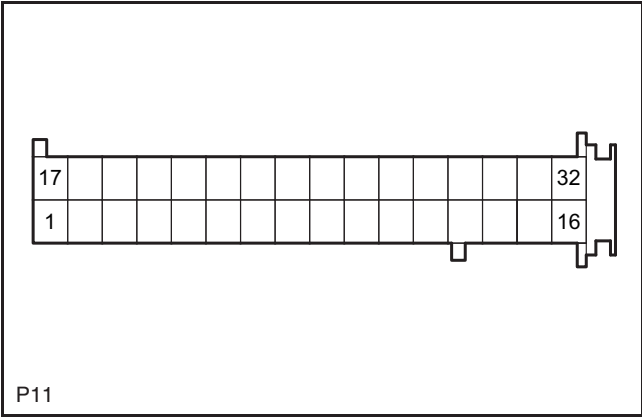
Alternator Connector



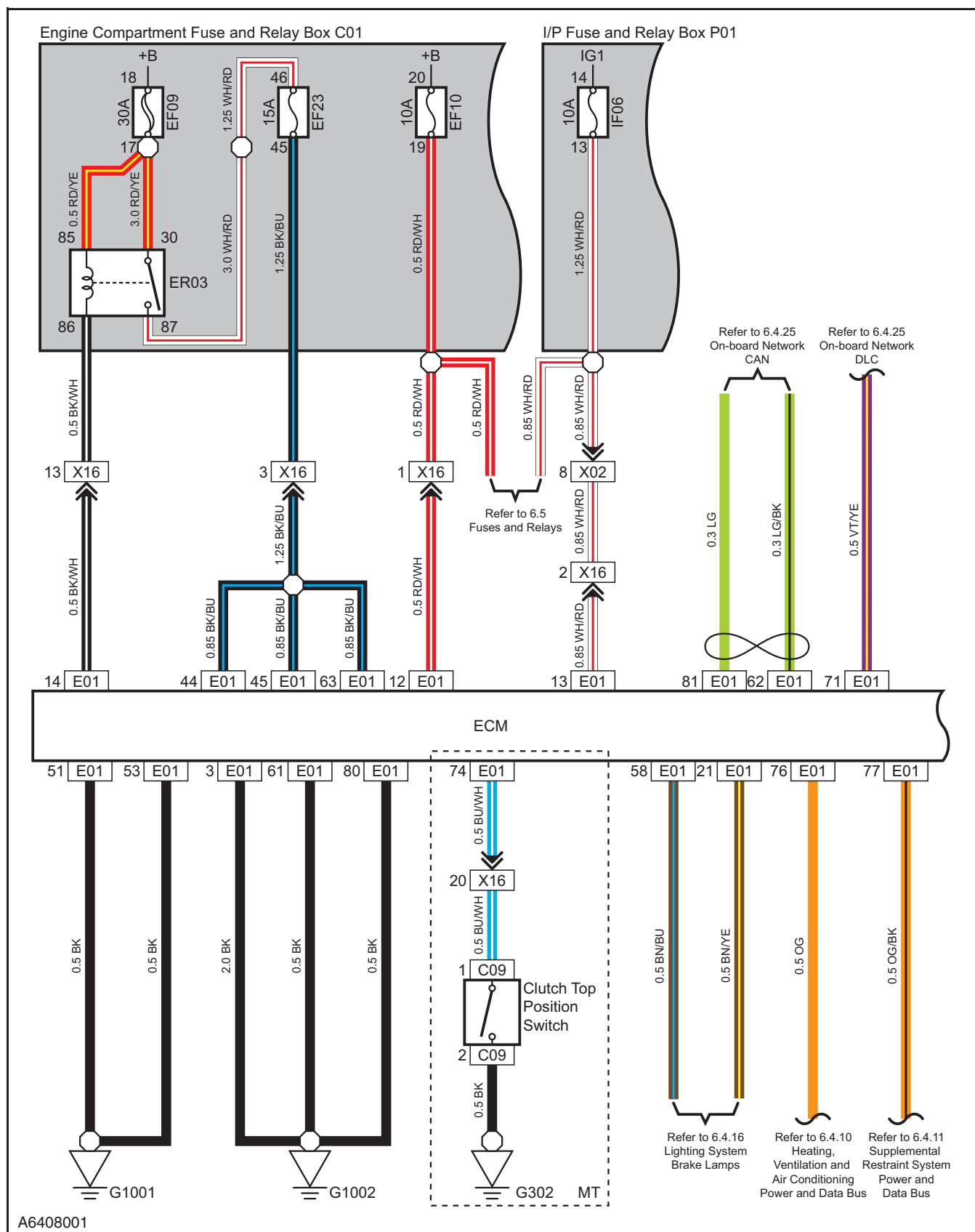
I/P Fuse and Relay Box



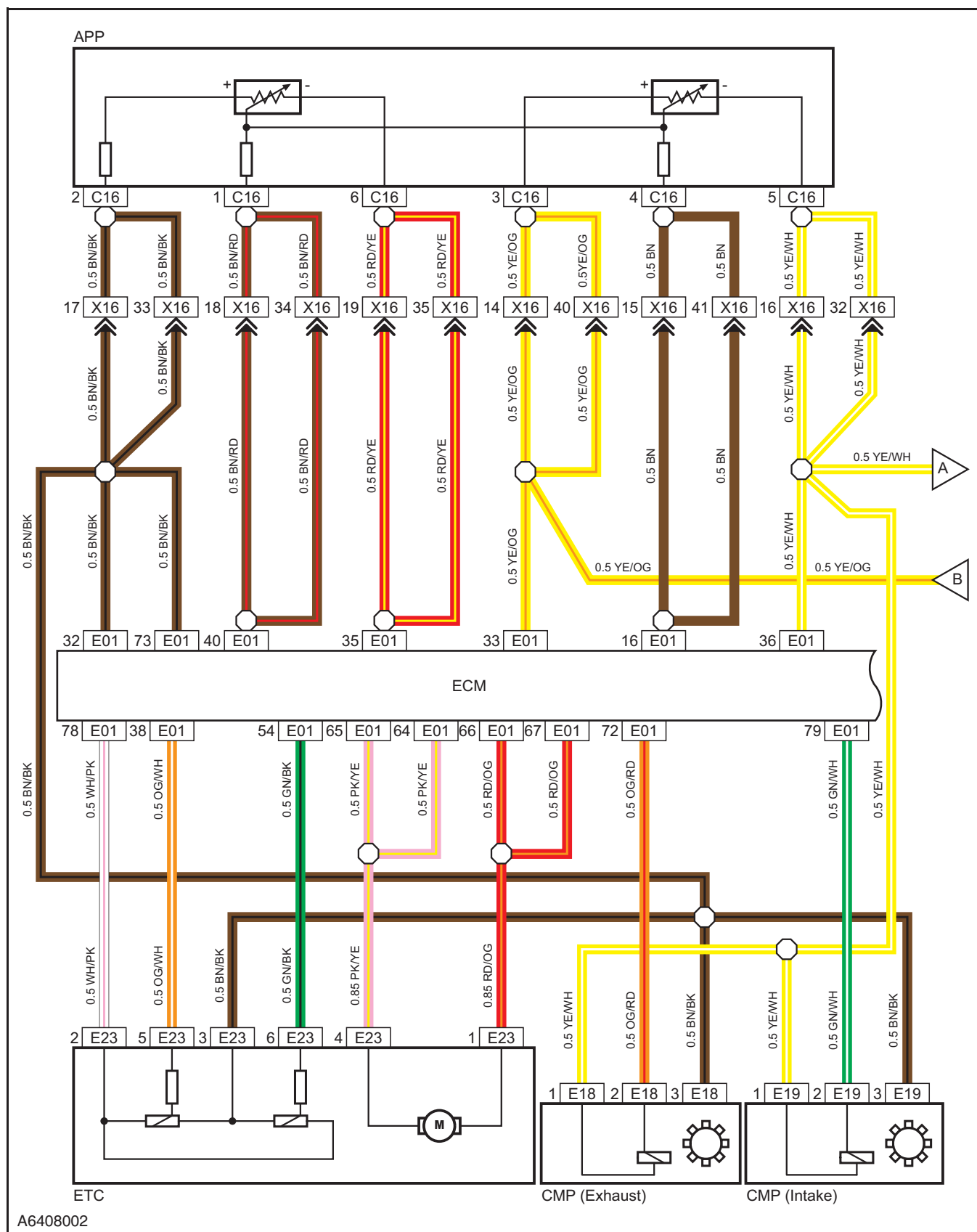
IPC Connector



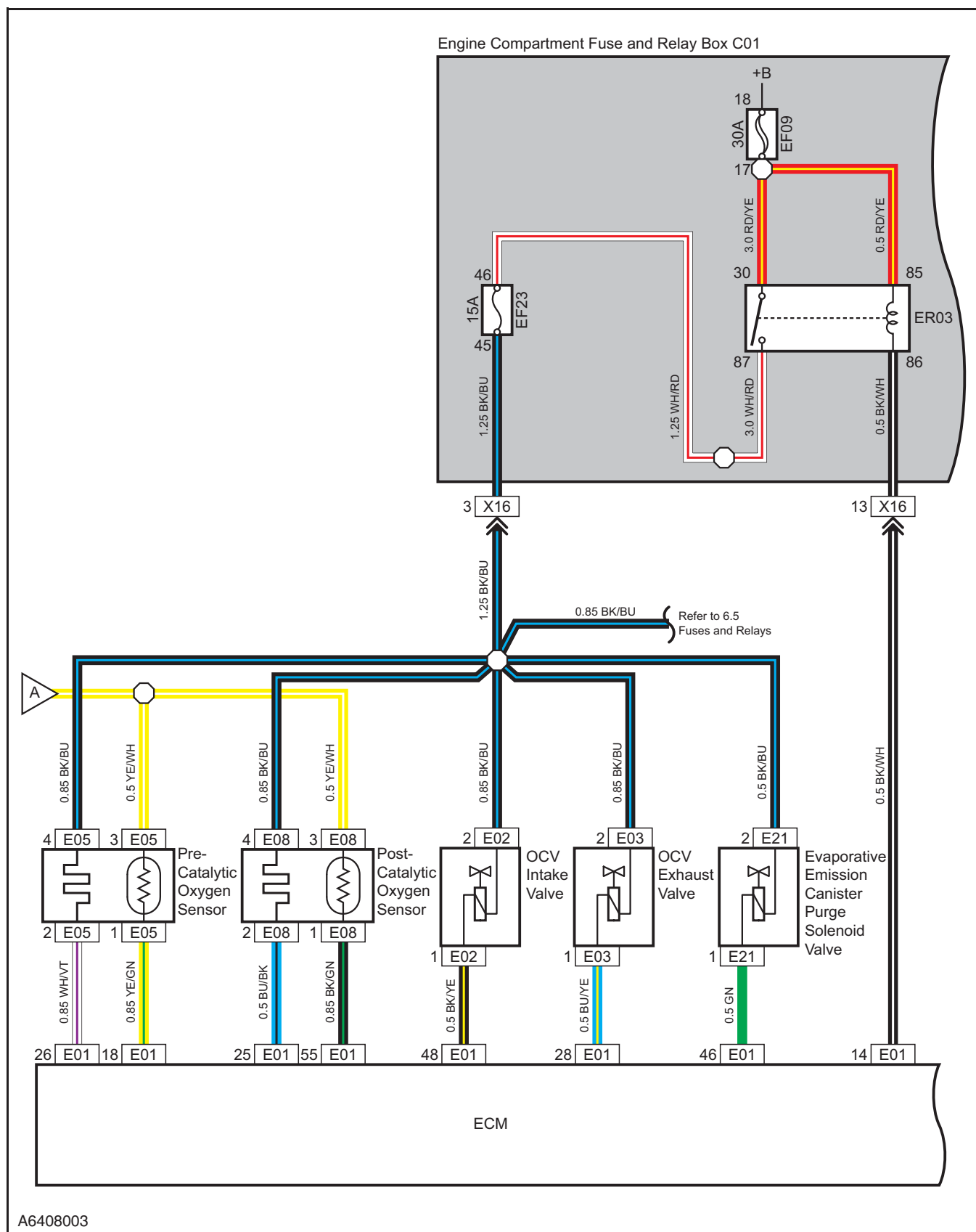
Power and Data Bus



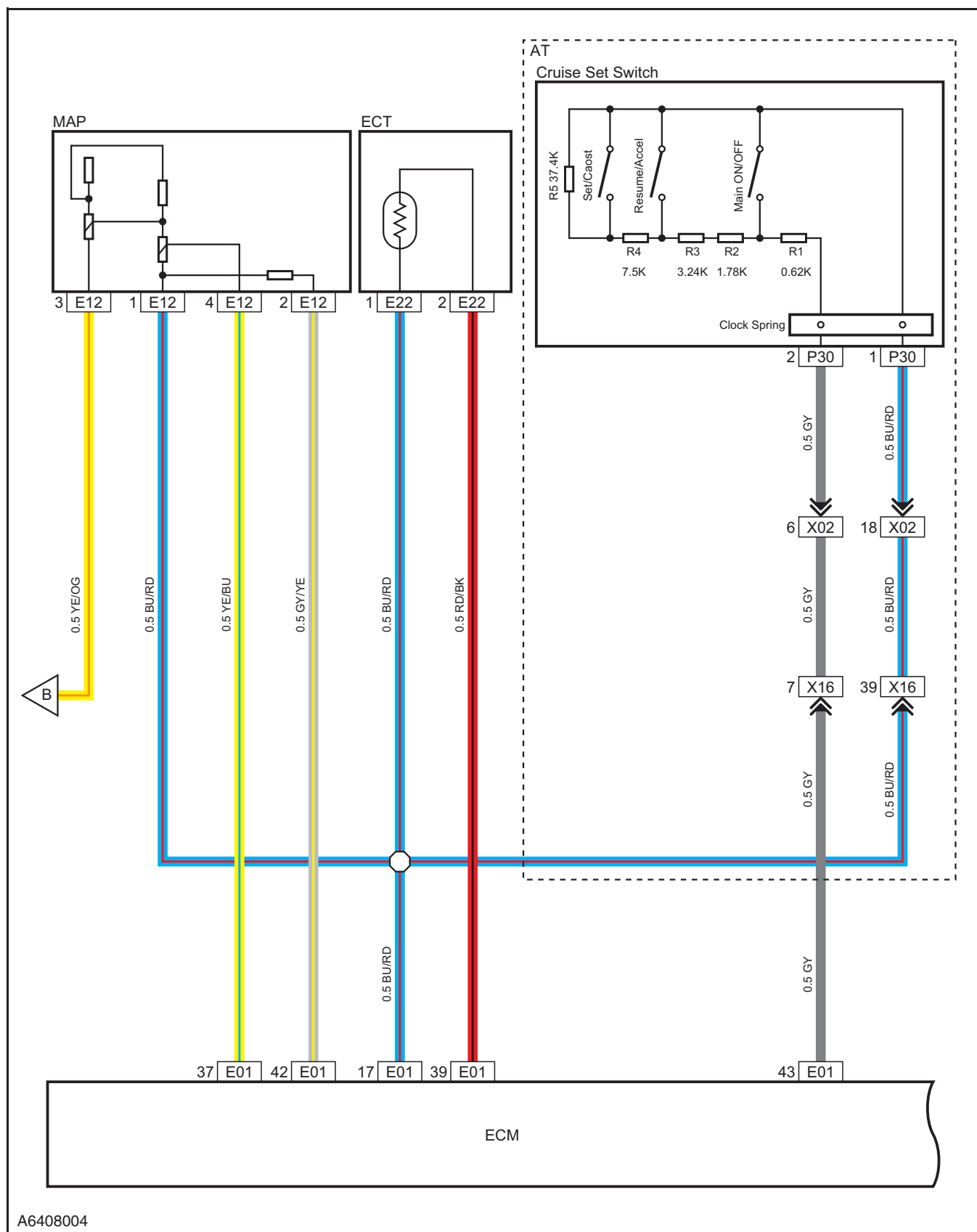
APP/ETC/CMP



HO2S/EVAP/OCV



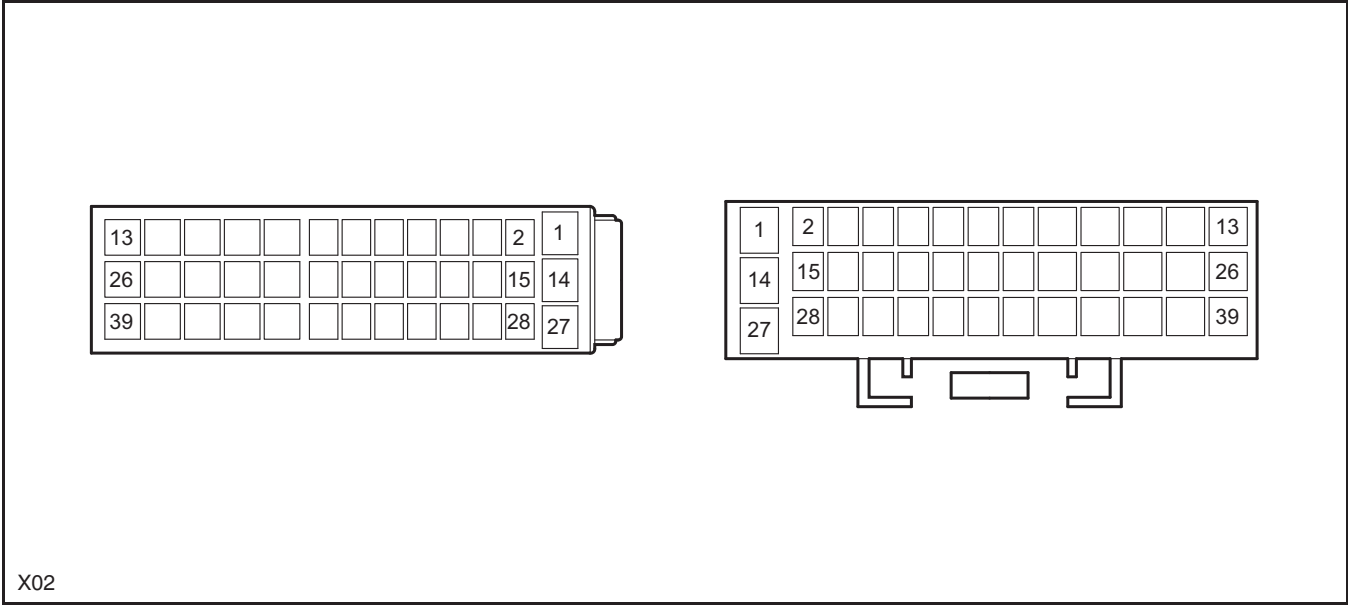
MAP/ECT/Cruise



A6408004

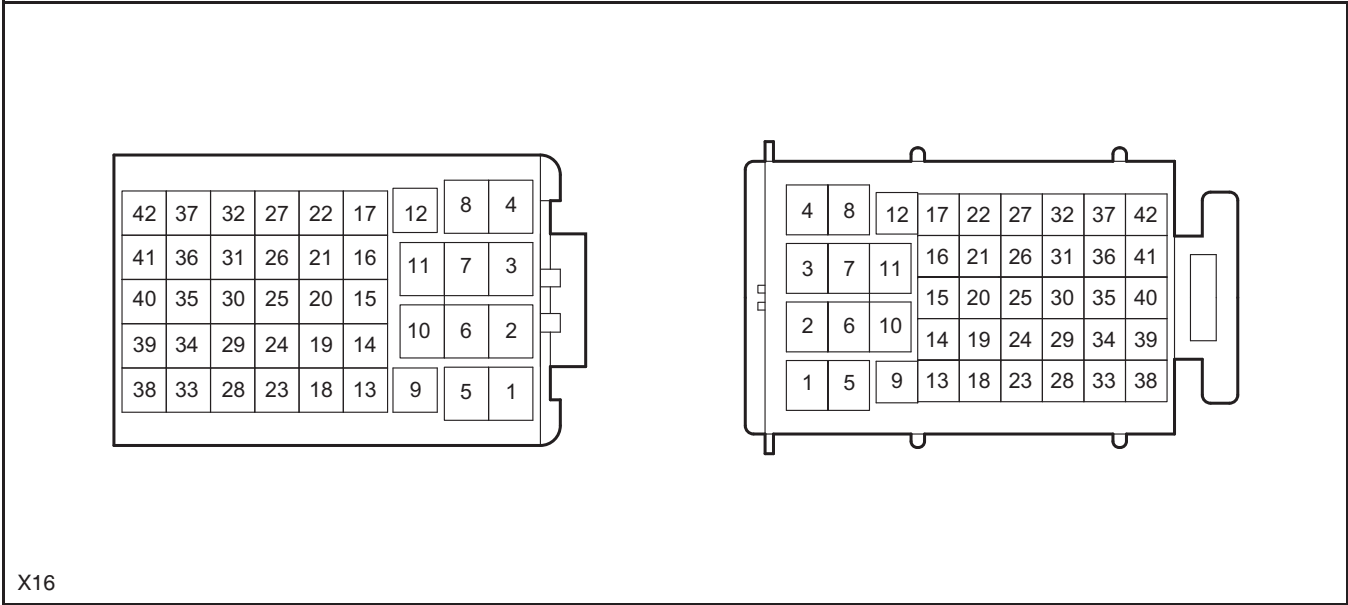
I/P Harness to Engine Compartment Harness Connector B

Engine Compartment Harness to I/P Harness Connector B

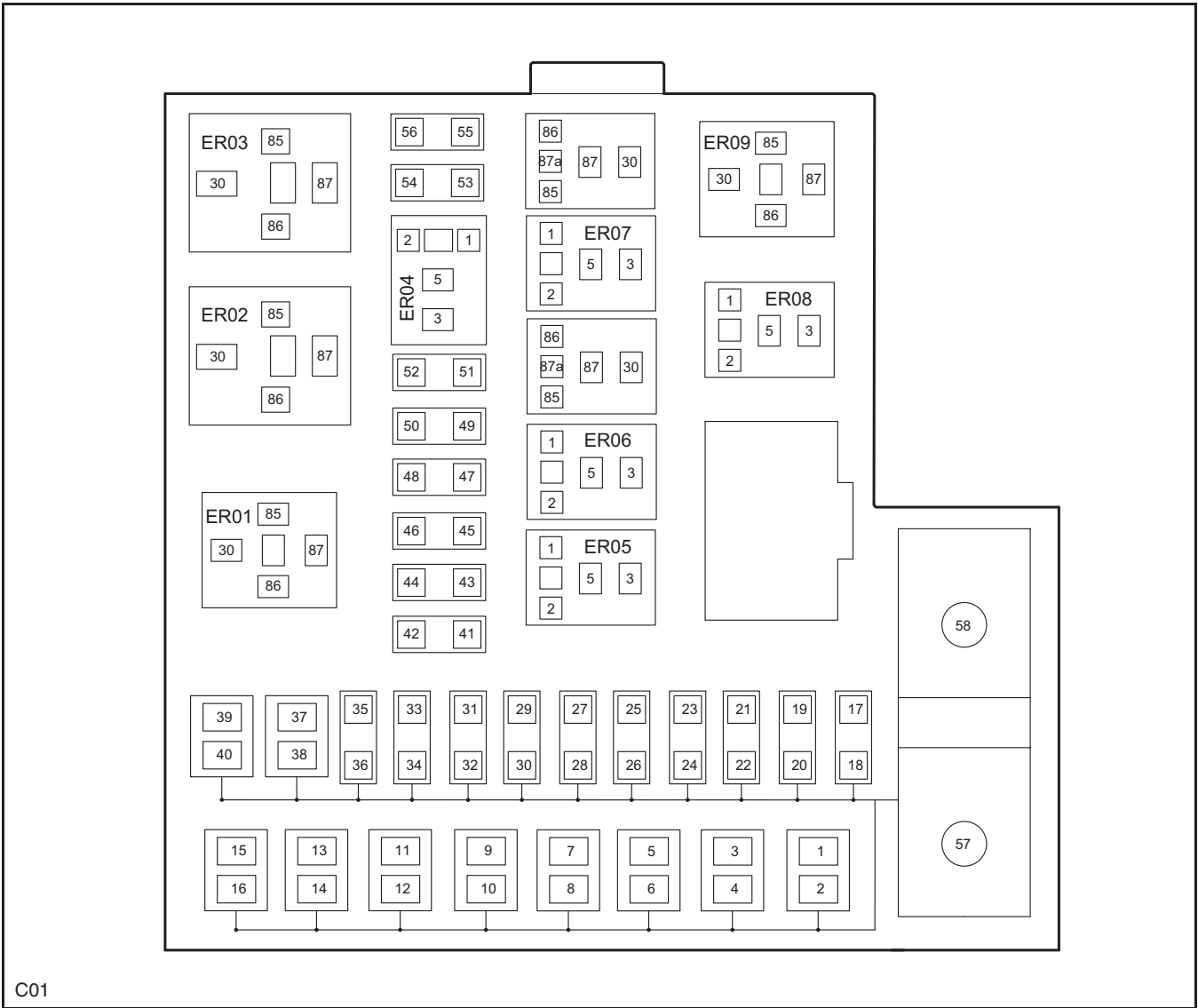


Engine Compartment Harness to Engine Harness Connector

Engine Harness to Engine Compartment Harness Connector



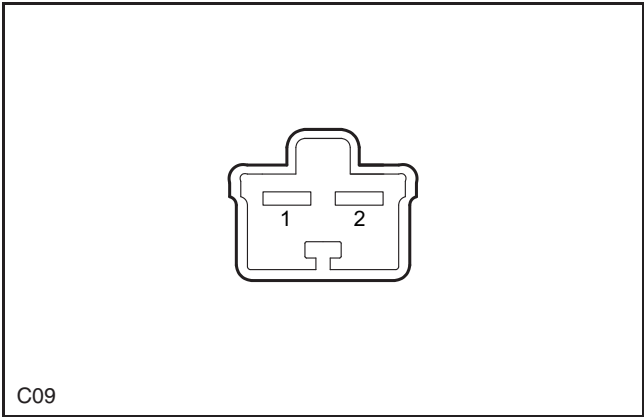
Engine Compartment Fuse and Relay Box



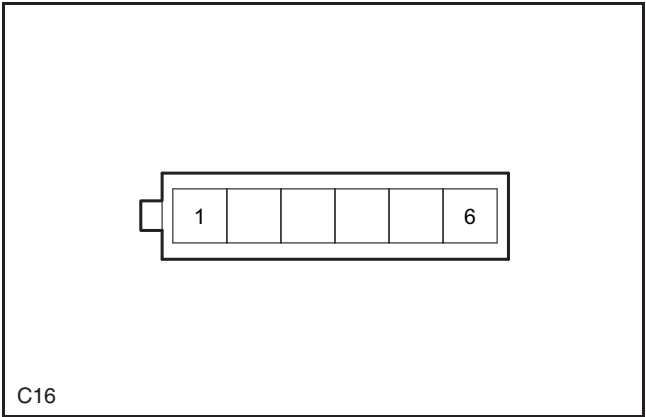
C01

Clutch Top Position Switch Connector

APP Connector

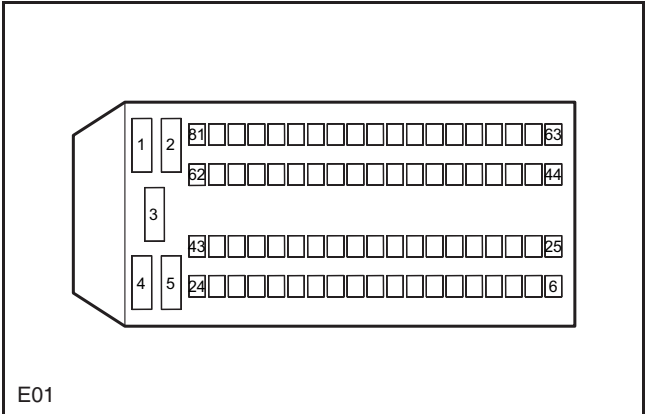


C09

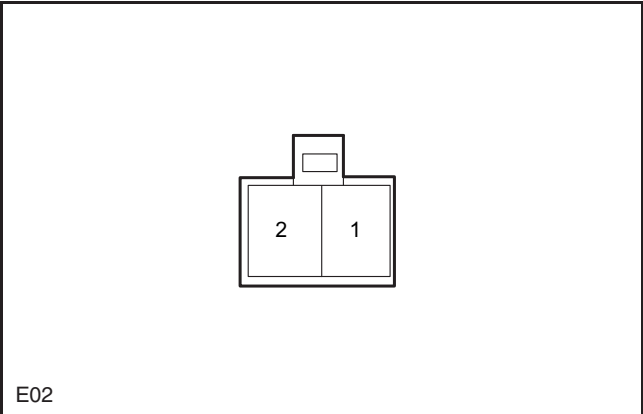


C16

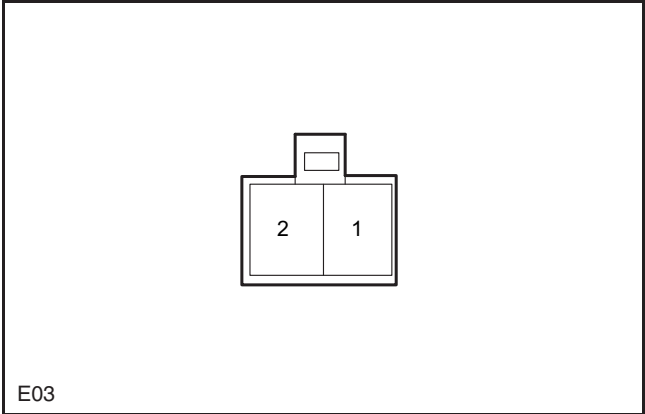
ECM Connector



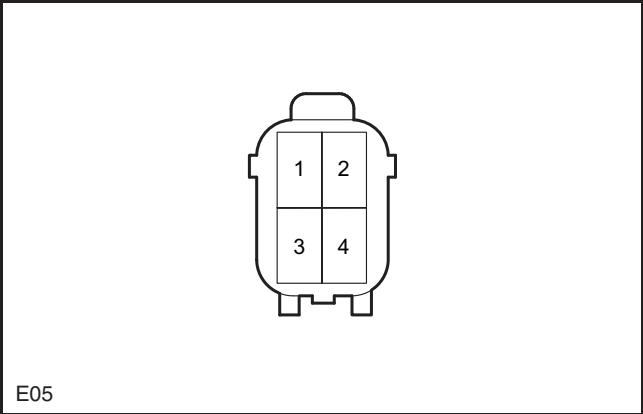
OCV Intake Valve Connector



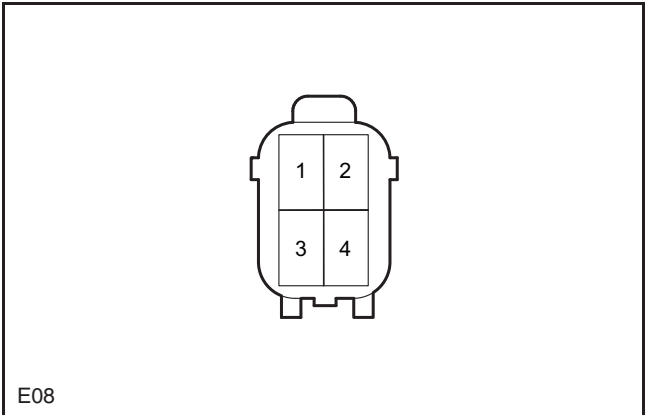
OCV Exhaust Valve Connector



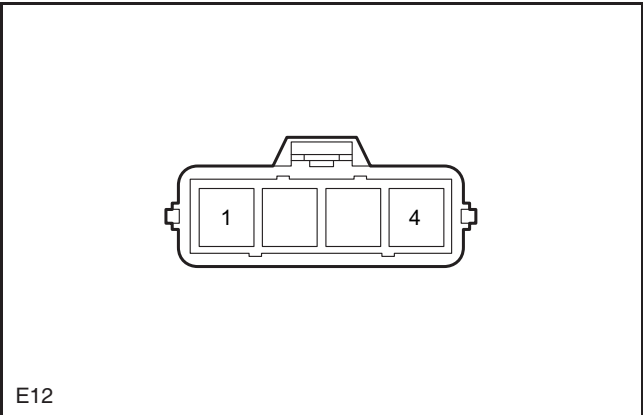
Pre-Catalytic Oxygen Sensor Connector



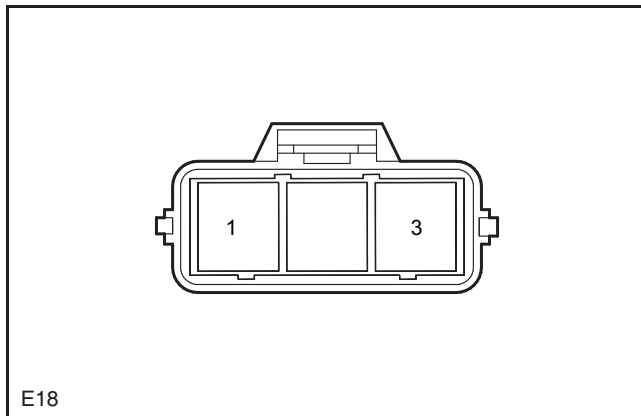
Post-Catalytic Oxygen Sensor Connector



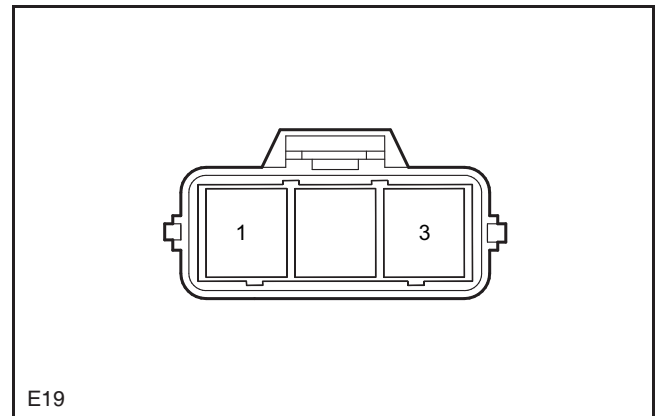
Intake Air Pressure and Temperature Sensor Connector



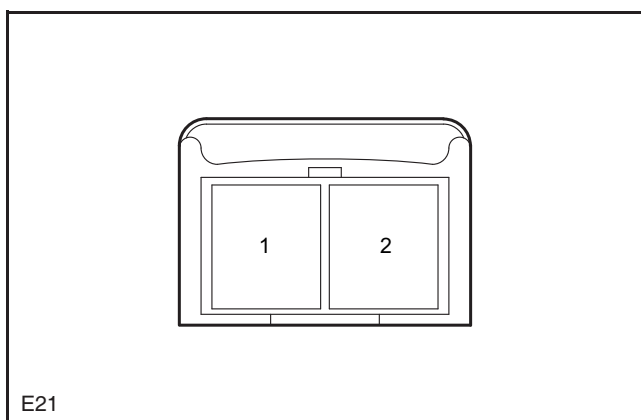
Camshaft Position Sensor (Exhaust) Connector



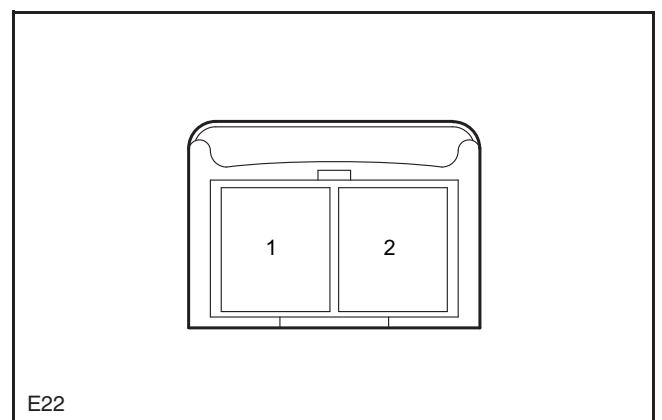
Camshaft Position Sensor (Intake) Connector



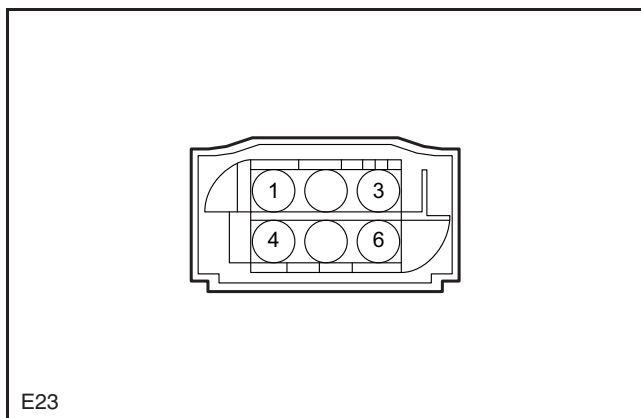
Evaporative Emission Canister Purge Solenoid Valve Connector



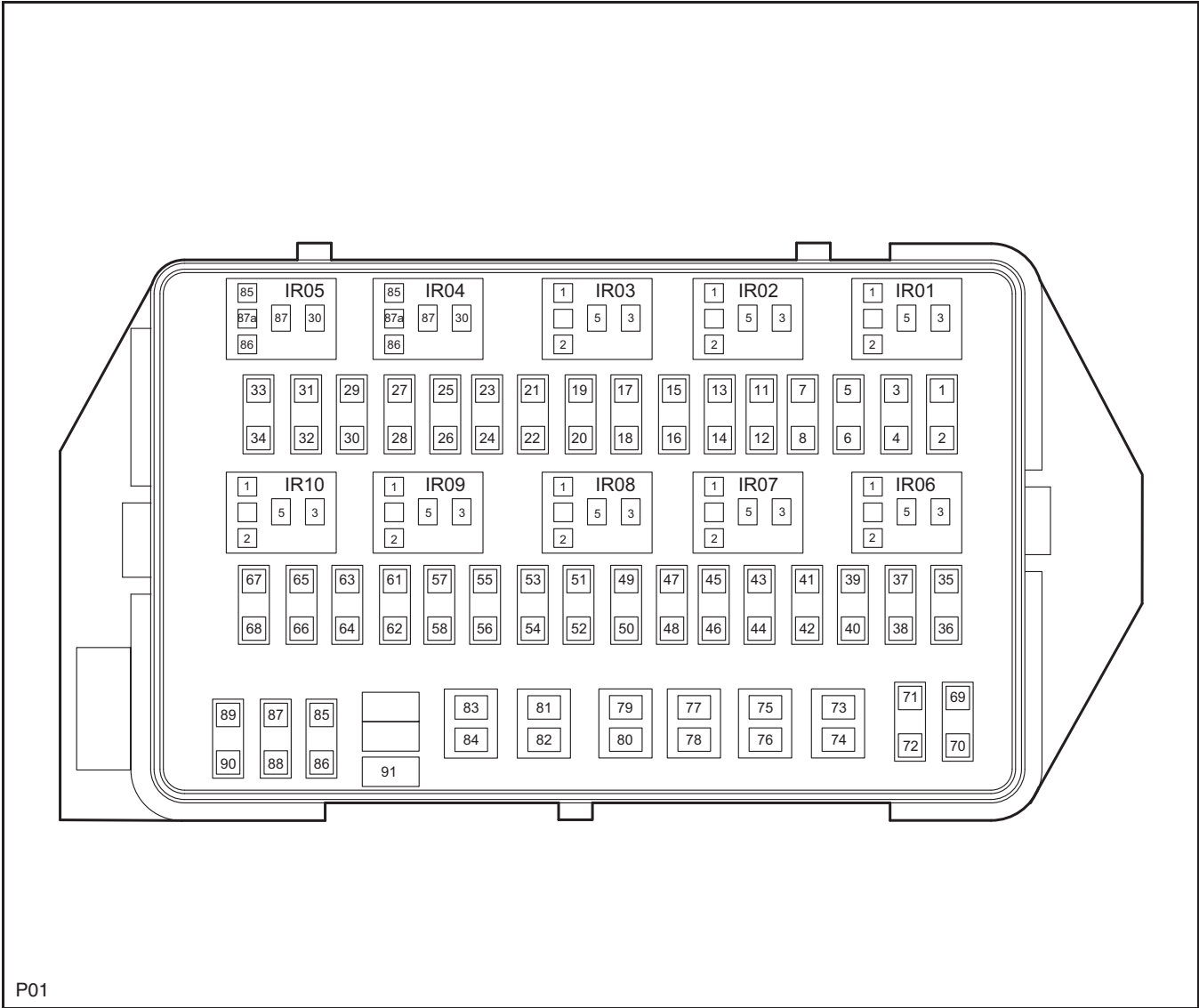
Engine Coolant Temperature Sensor Connector



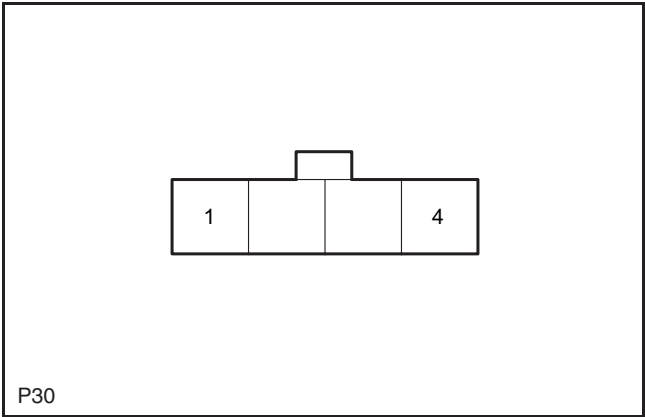
ETC Connector



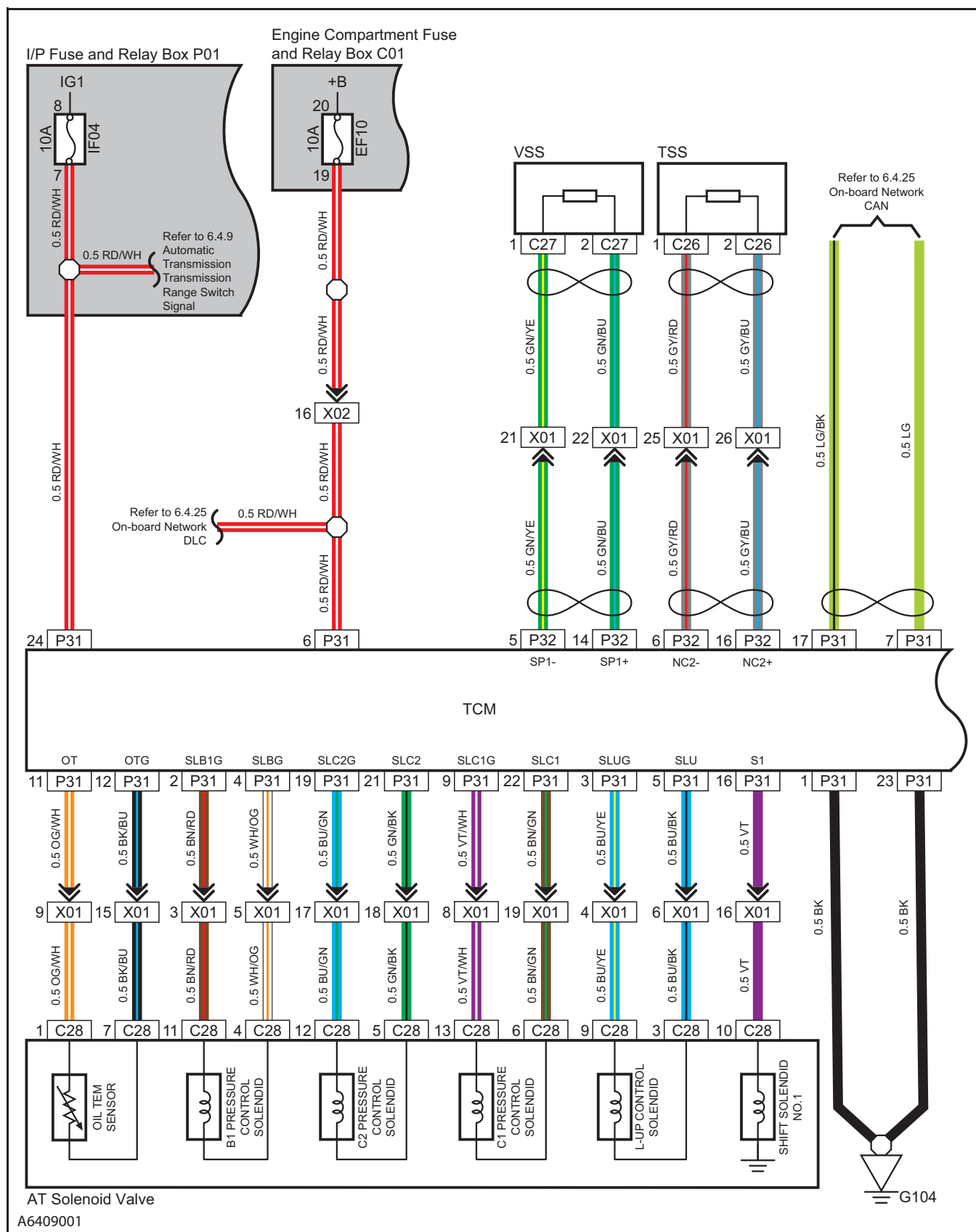
I/P Fuse and Relay Box



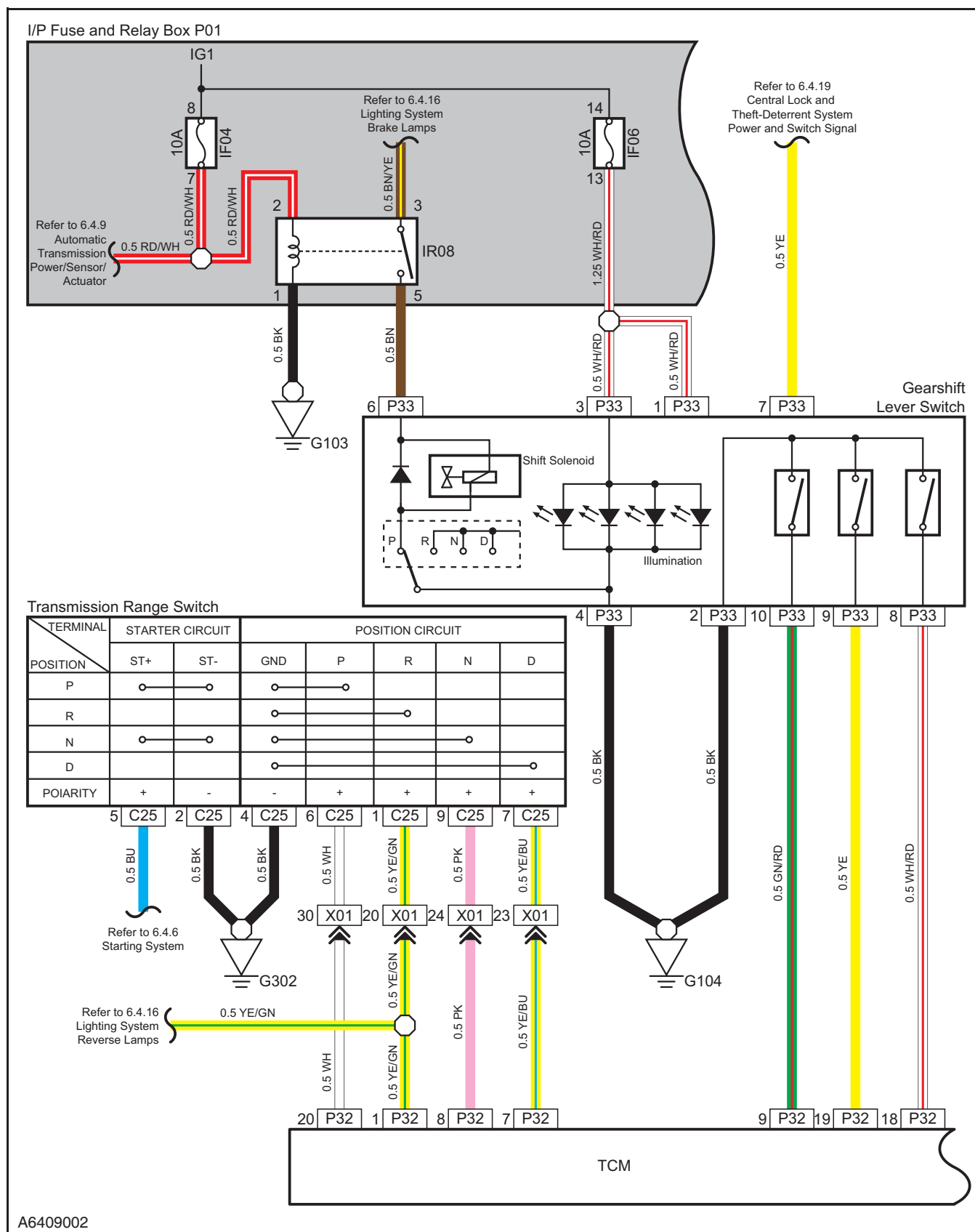
Cruise Set Switch Connector



Power Supply/ Sensor/ Actuator

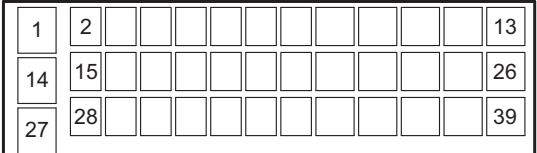
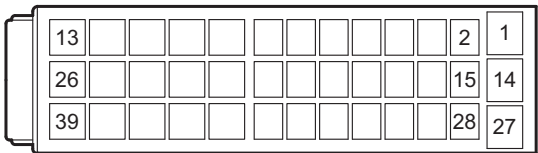


Transmission Range Switch Signal



I/P Harness to Engine Compartment Harness Connector A

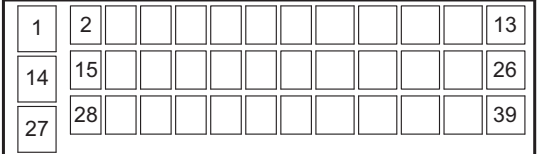
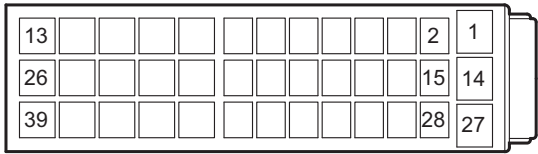
Engine Compartment Harness to I/P Harness Connector A



X01

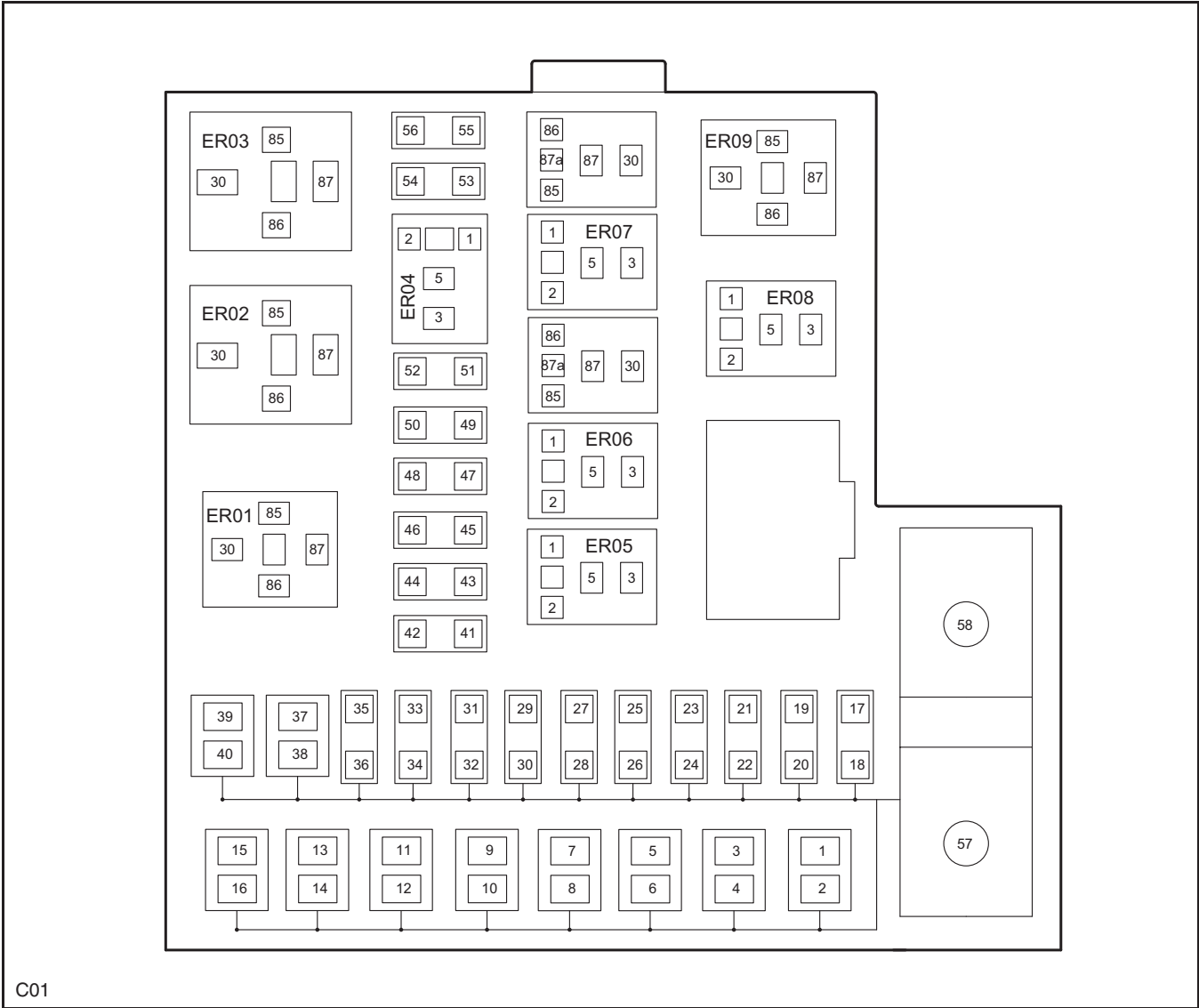
I/P Harness to Engine Compartment Harness Connector B

Engine Compartment Harness to I/P Harness Connector B



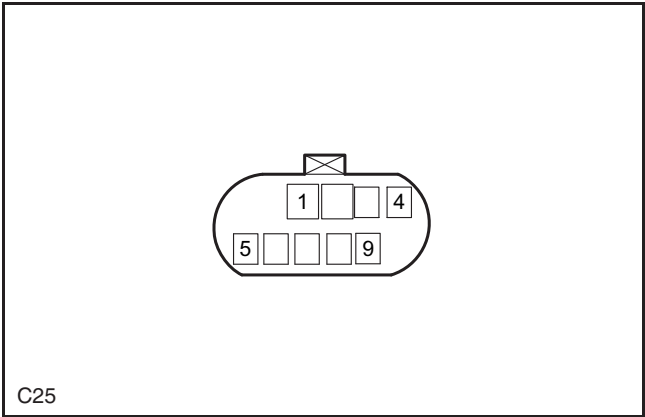
X02

Engine Compartment Fuse and Relay Box

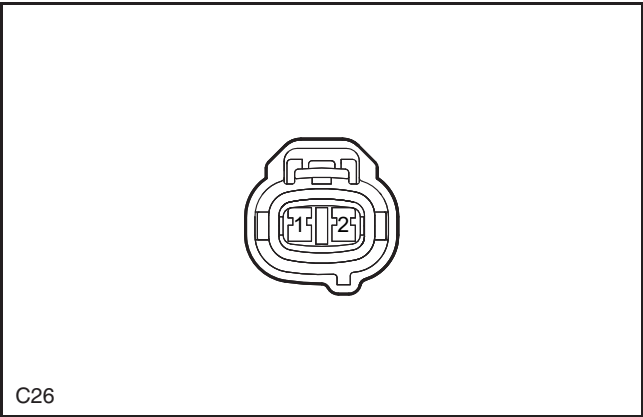


Transmission Range Switch Connector

TSS Connector



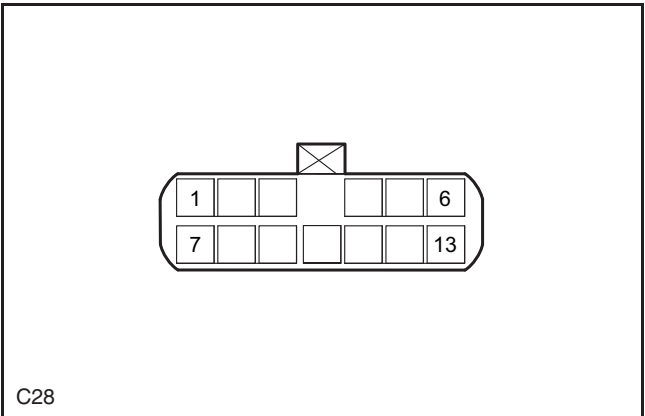
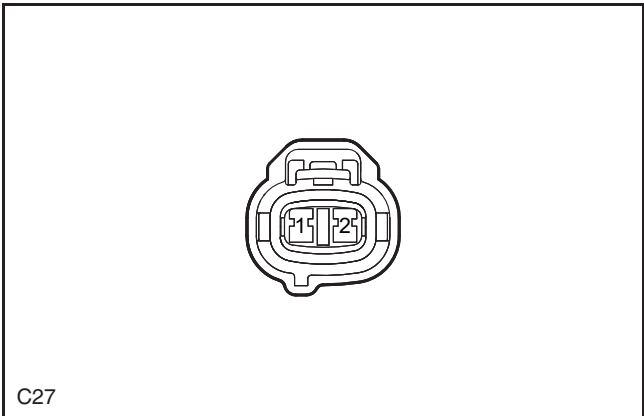
C25



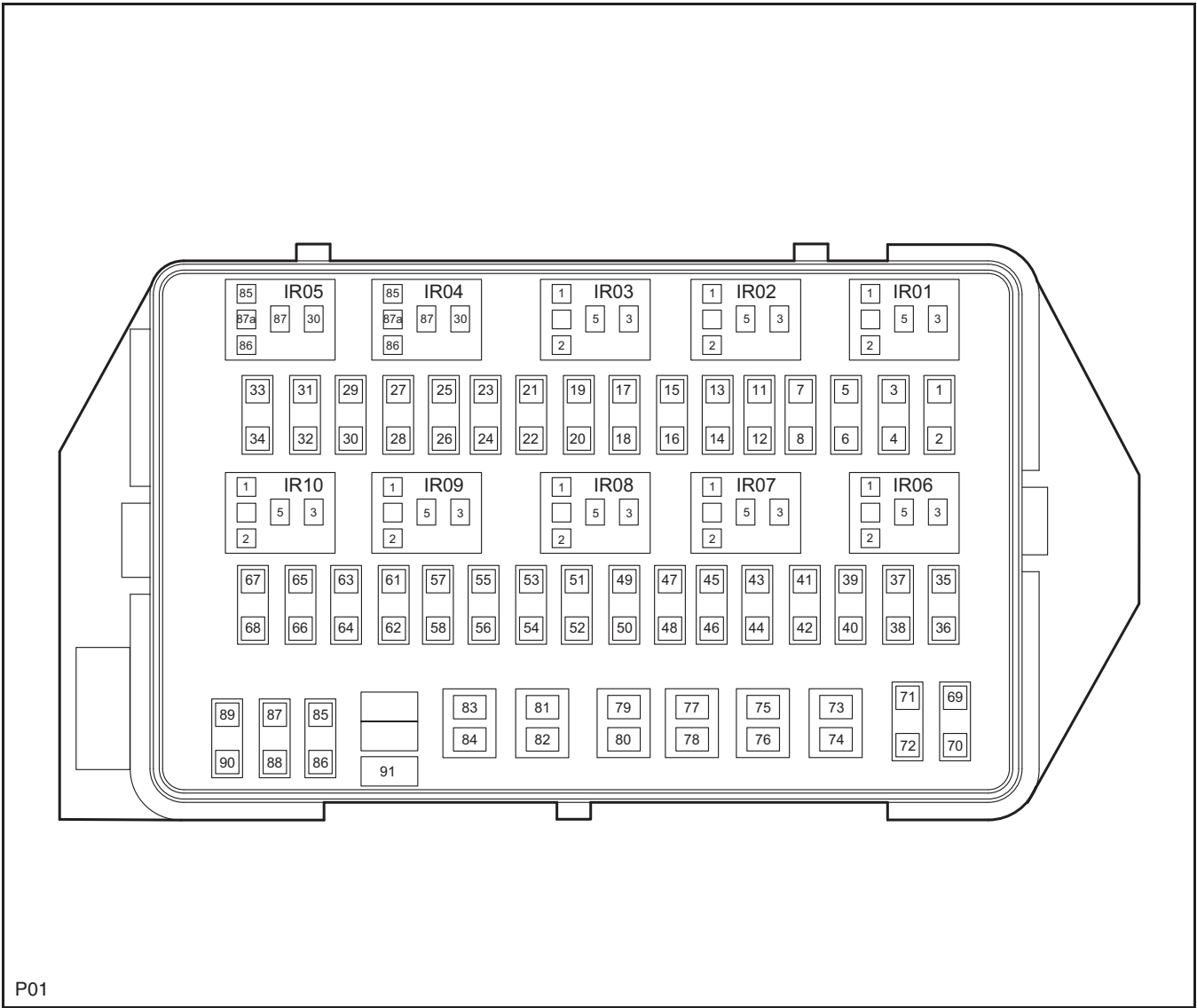
C26

VSS Connector

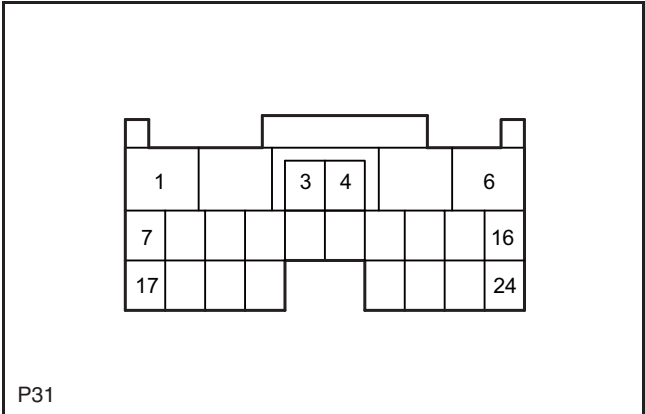
AT Solenoid Valve Connector



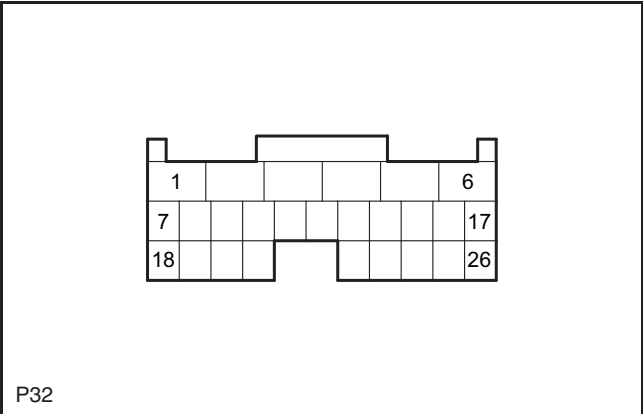
I/P Fuse and Relay Box



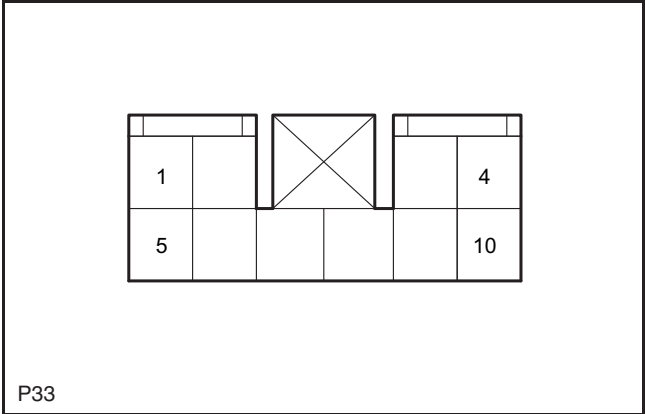
TCM Connector A



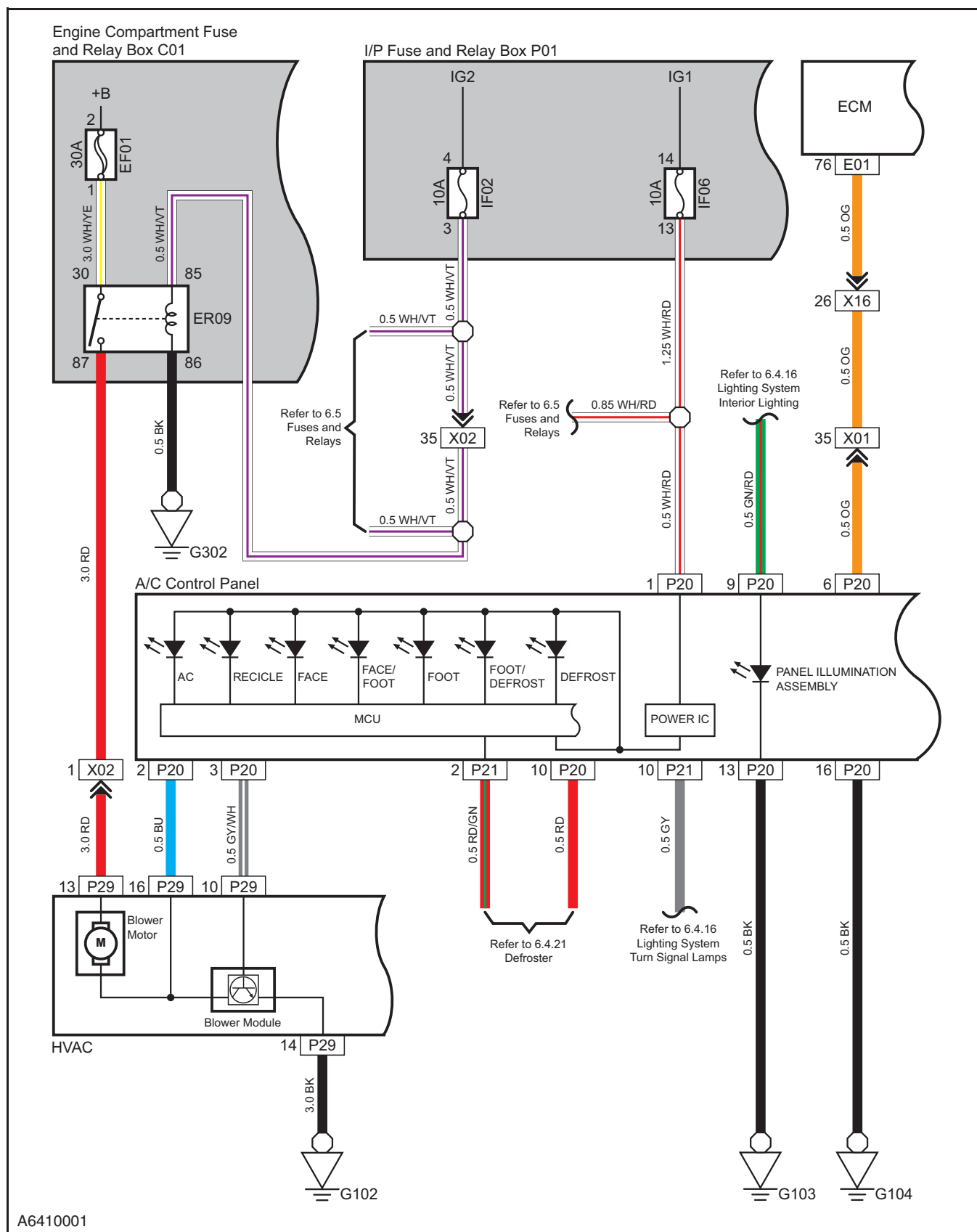
TCM Connector B



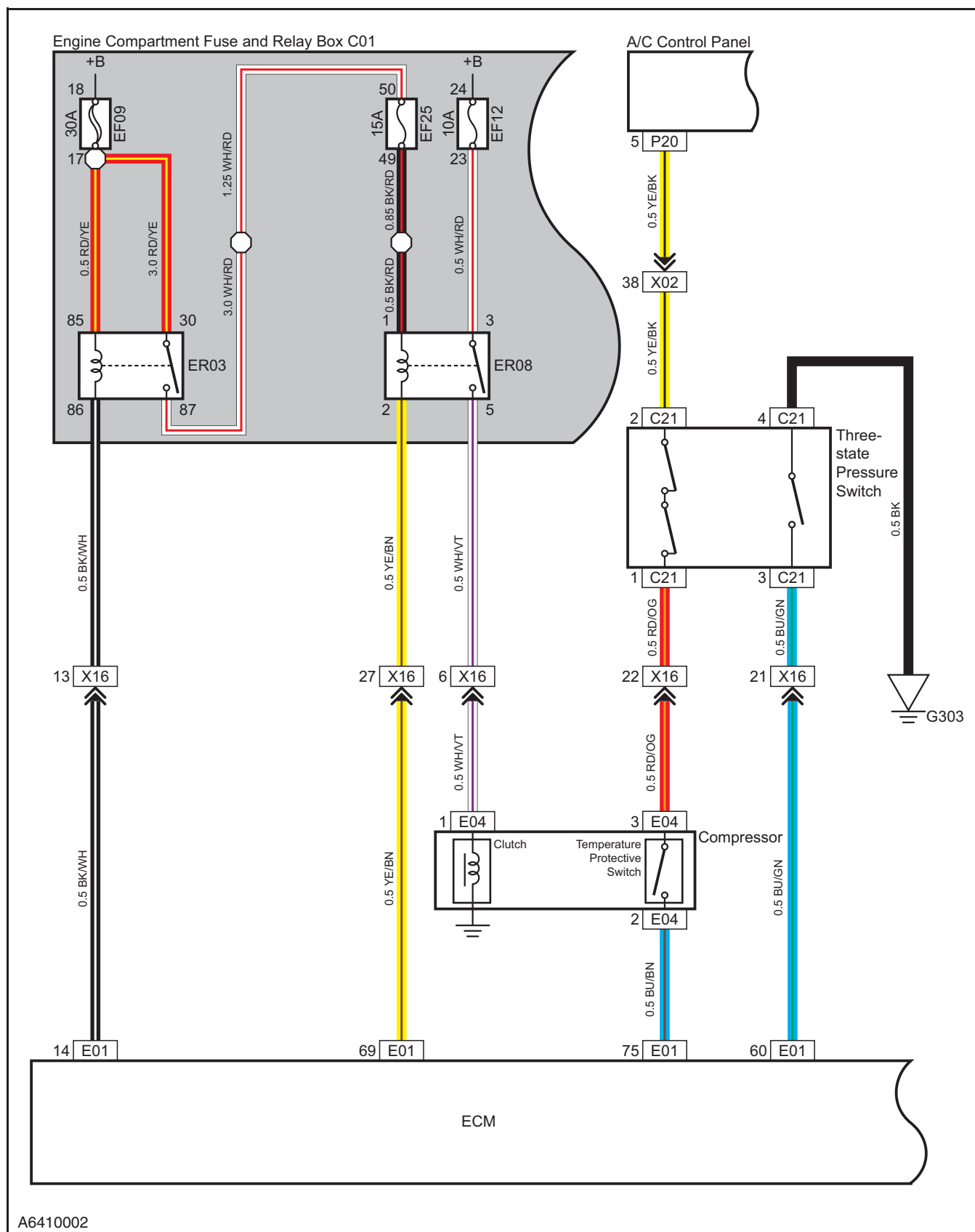
Gearshift Lever Switch Connector



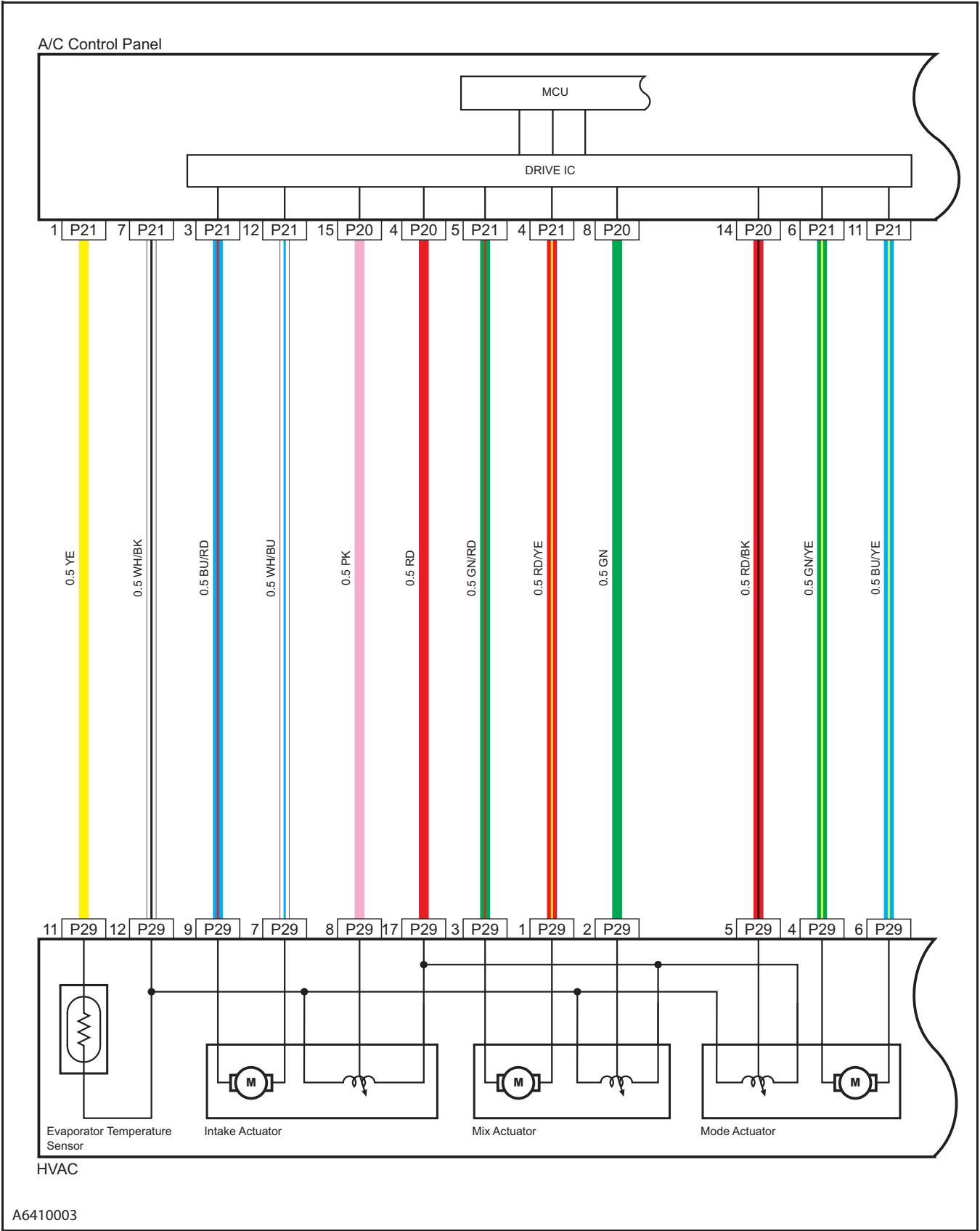
Power and Data Bus



Compressor Control

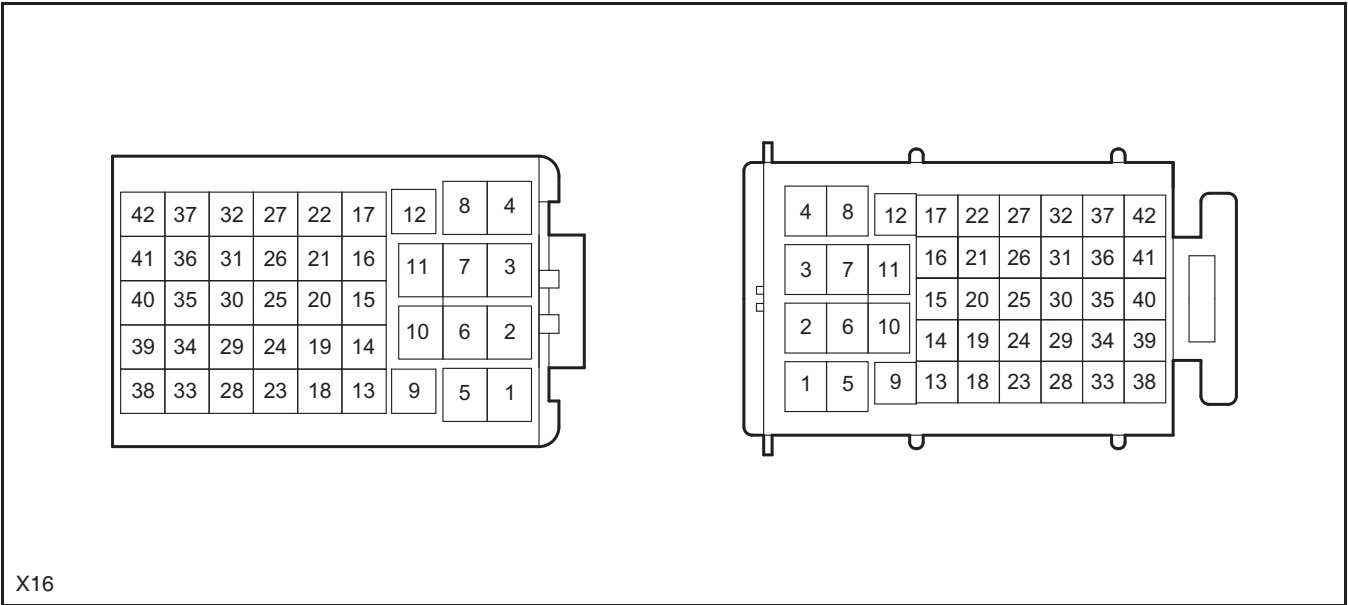


Sensors and Actuators

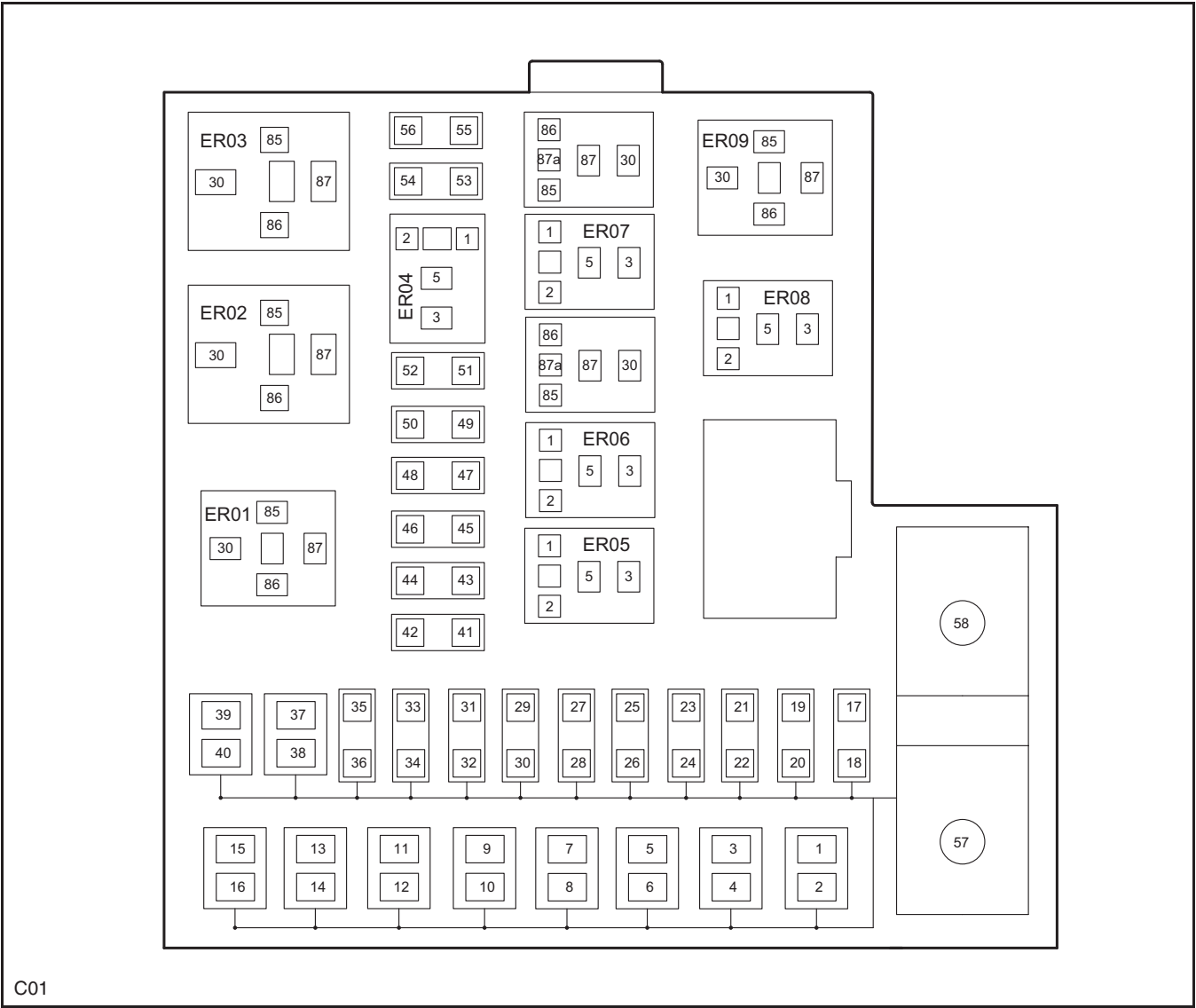


Engine Compartment Harness to Engine Harness
Connector

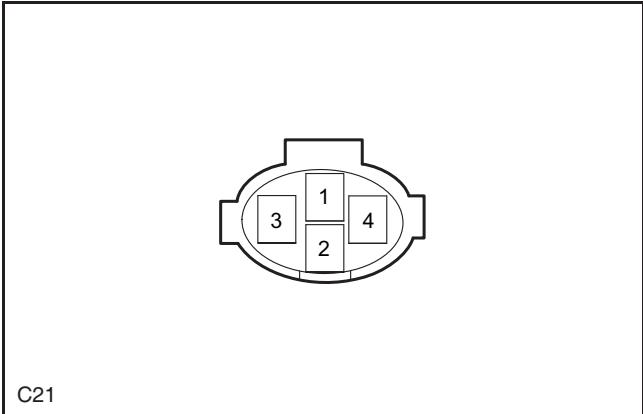
Engine Harness to Engine Compartment Harness
Connector



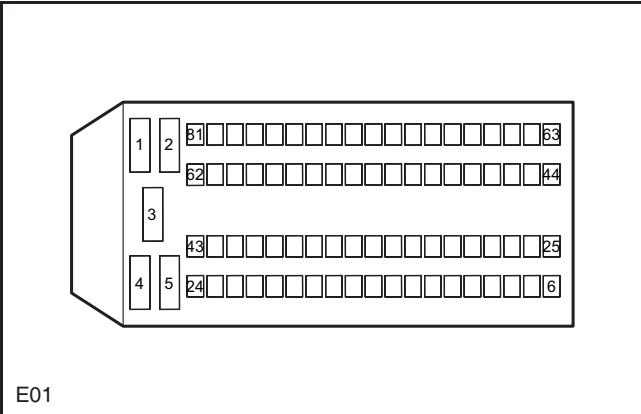
Engine Compartment Fuse and Relay Box



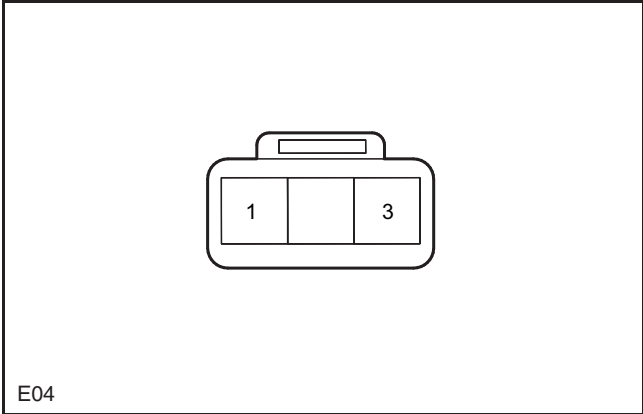
Three-state Pressure Switch Connector



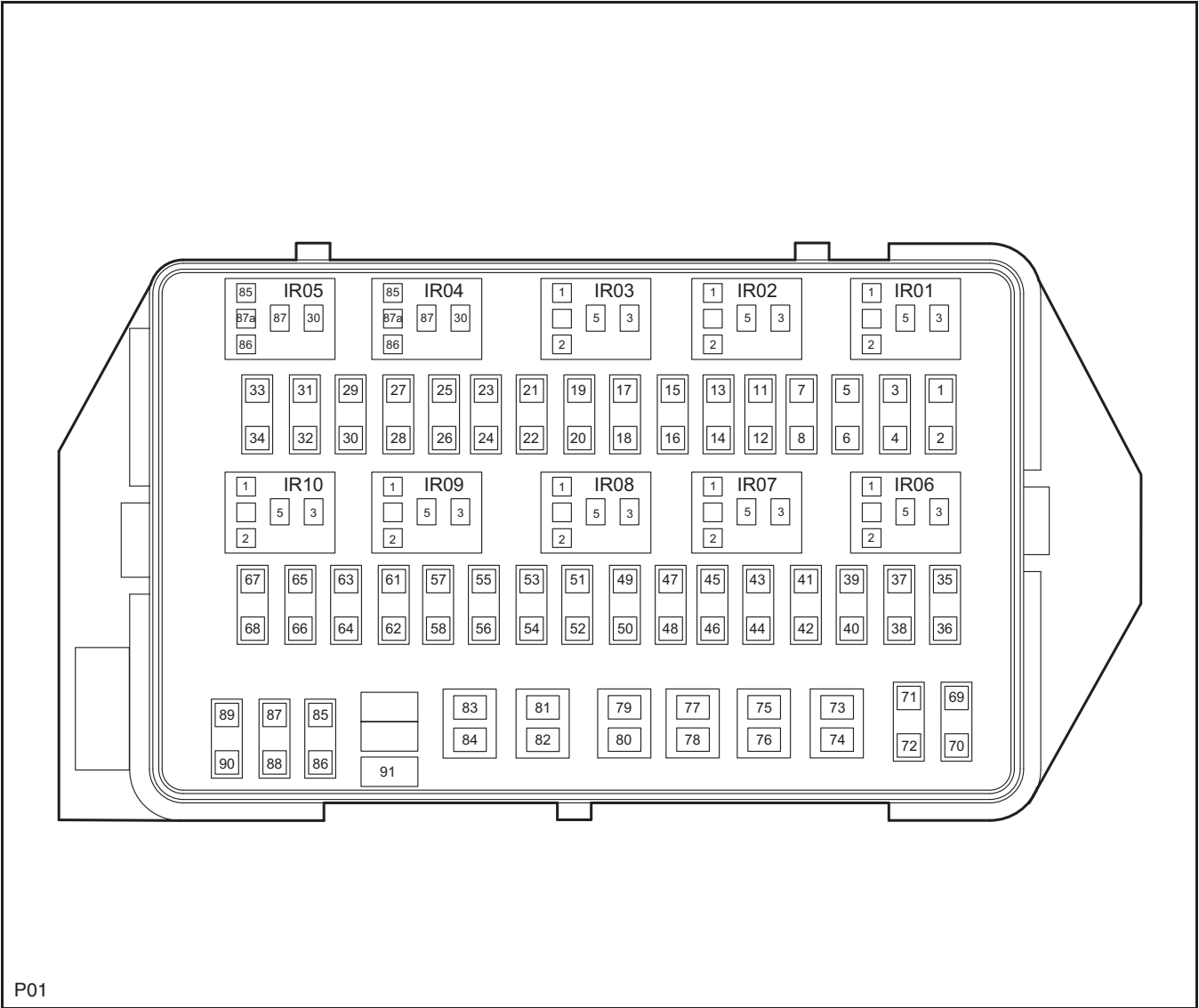
ECM Connector



Compressor Connector

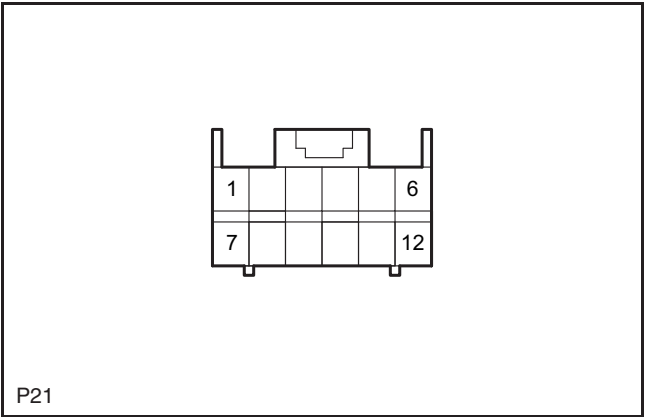
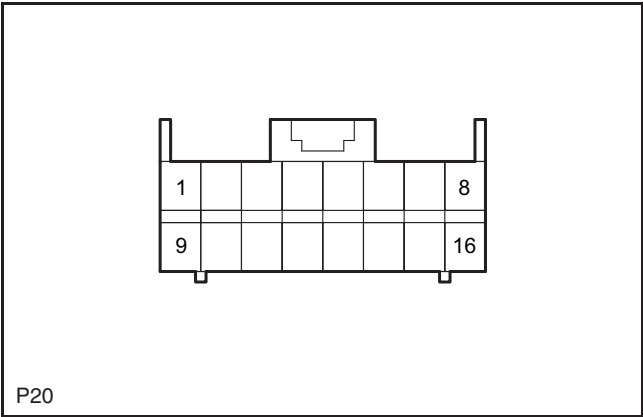


I/P Fuse and Relay Box

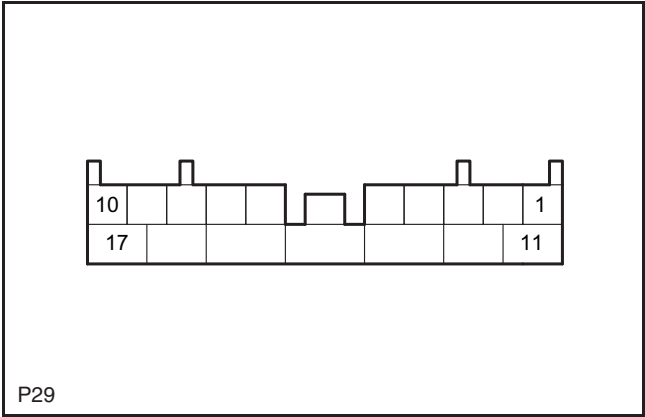


A/C Control Panel Connector A

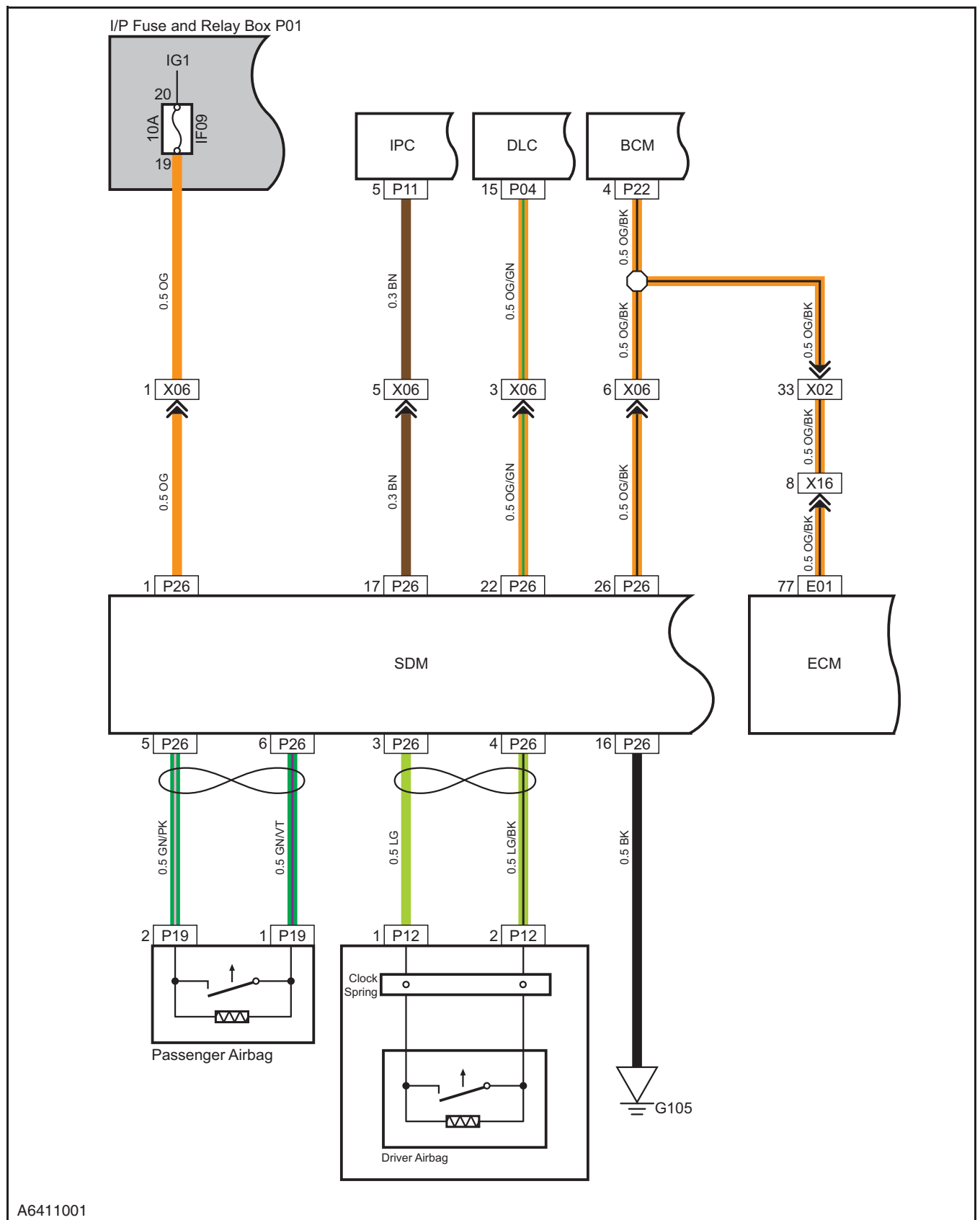
A/C Control Panel Connector B



HVAC Connector

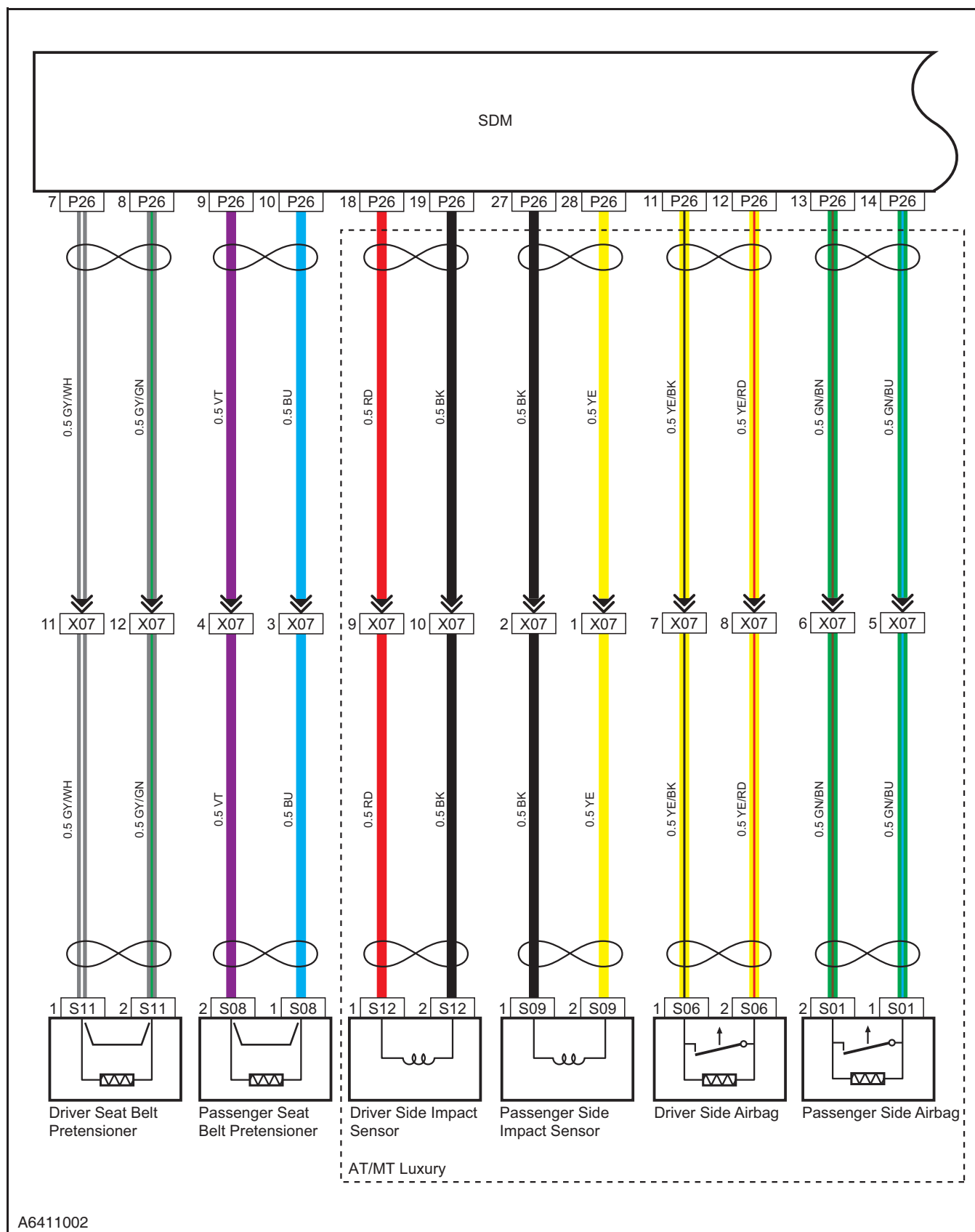


Power and Data Bus



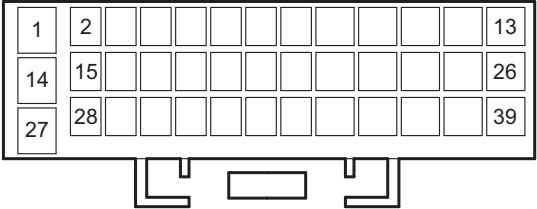
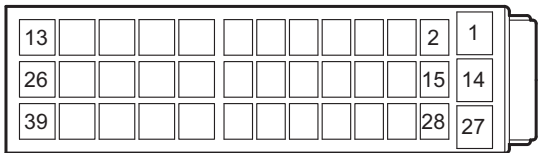
A6411001

Sensors and Actuators



I/P Harness to Engine Compartment Harness Connector B

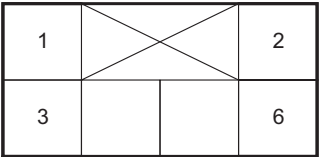
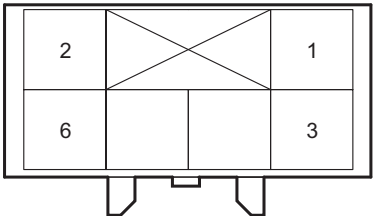
Engine Compartment Harness to I/P Harness Connector B



X02

I/P Harness to Airbag Harness Connector

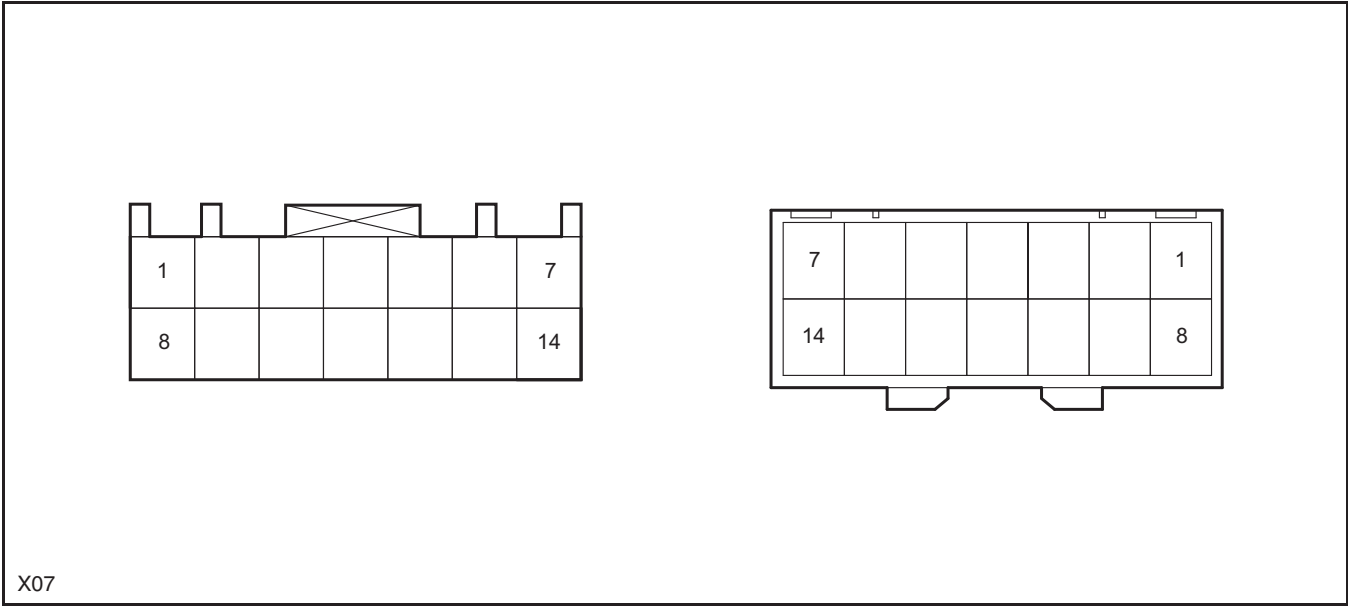
Airbag Harness to I/P Harness Connector



X06

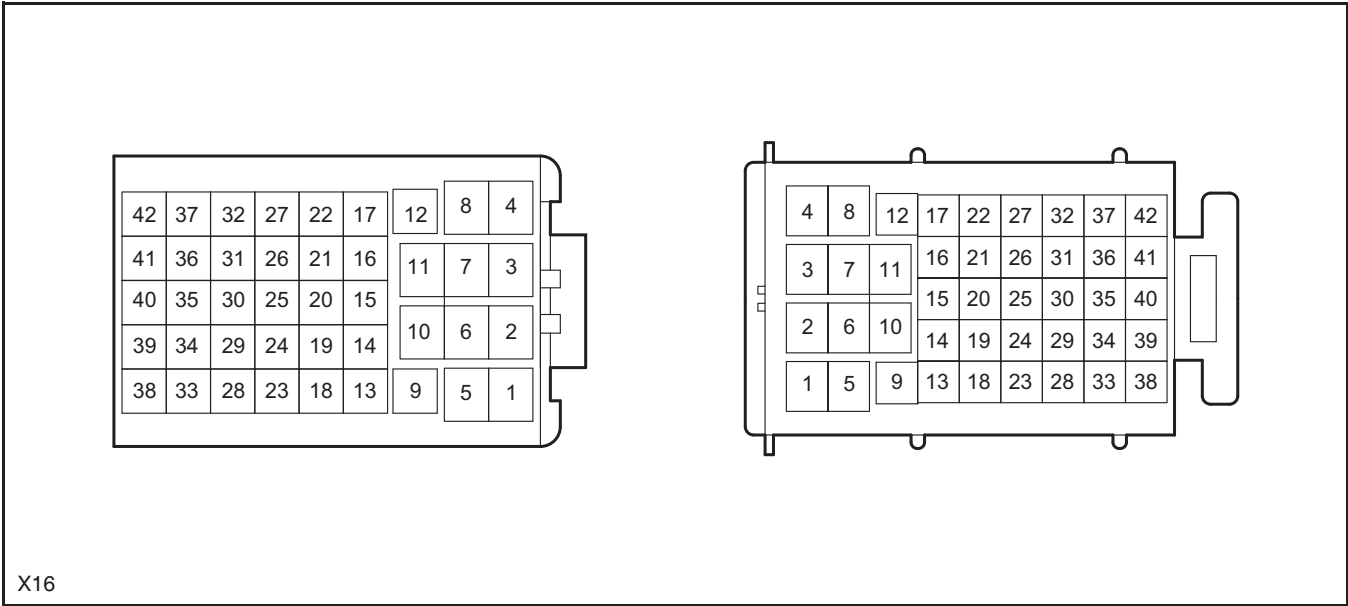
Airbag Harness to Floor Harness Connector

Floor Harness to Airbag Harness Connector

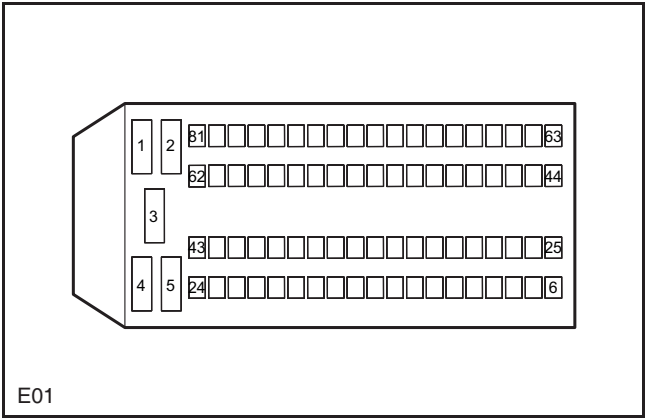


Engine Compartment Harness to Engine Harness Connector

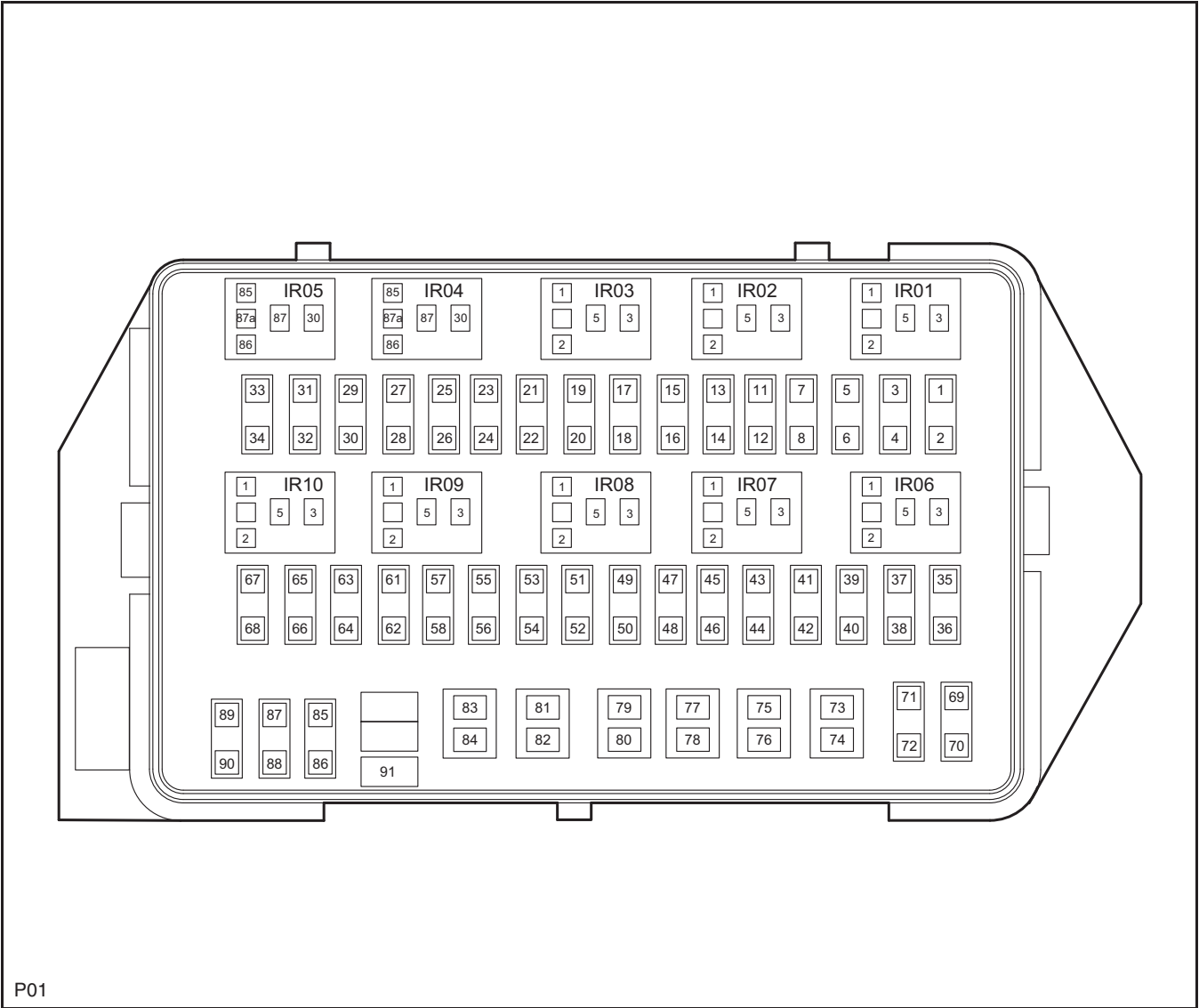
Engine Harness to Engine Compartment Harness Connector



ECM Connector

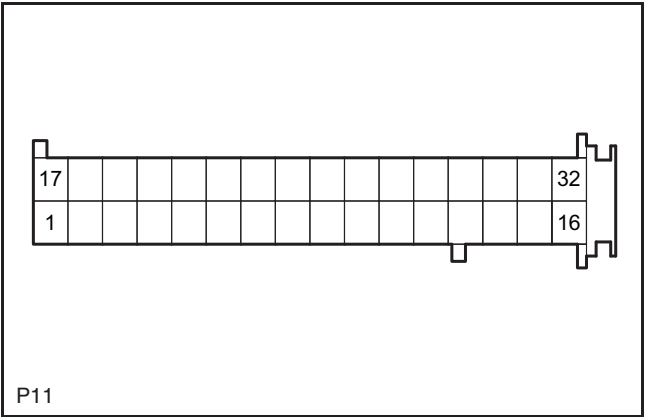
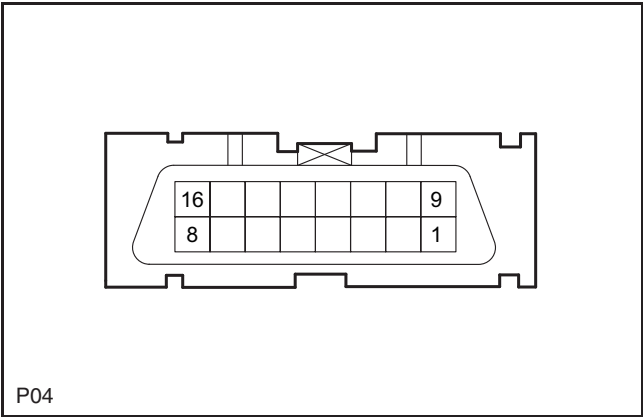


I/P Fuse and Relay Box

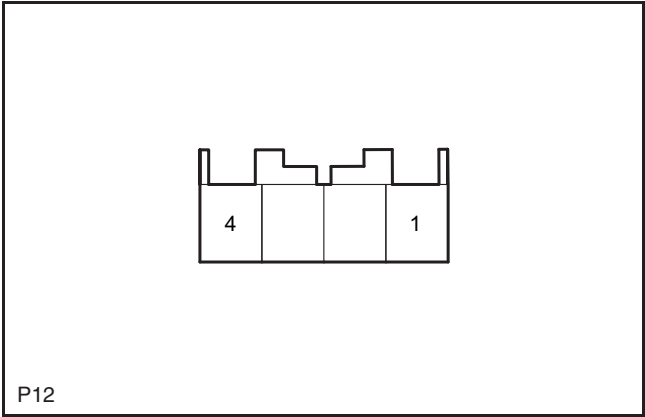


DLC Connector

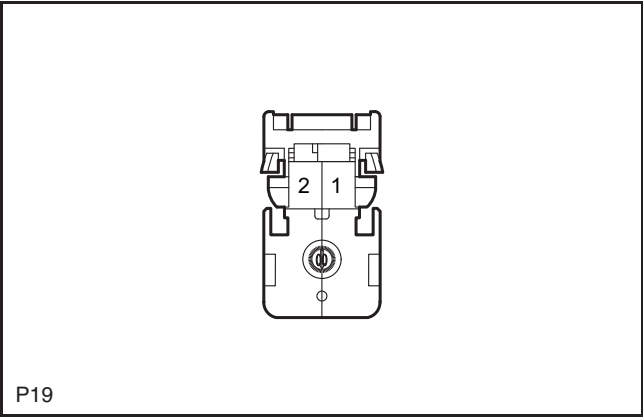
IPC Connector



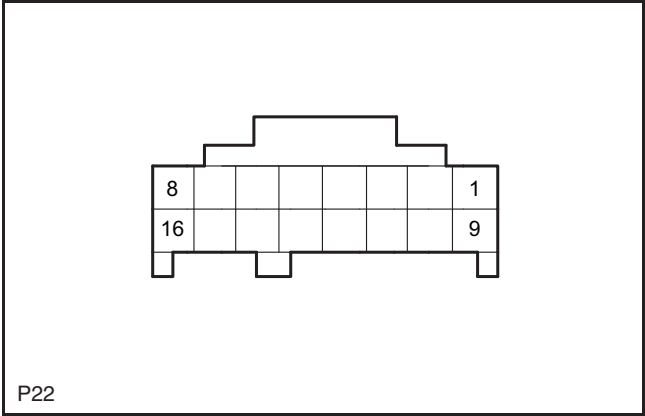
Driver Airbag Connector



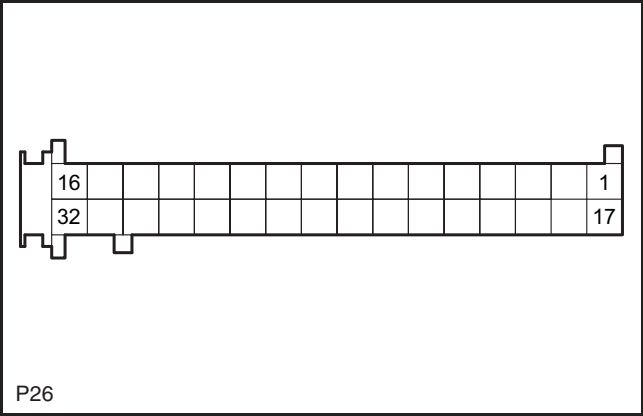
Passenger Airbag Connector



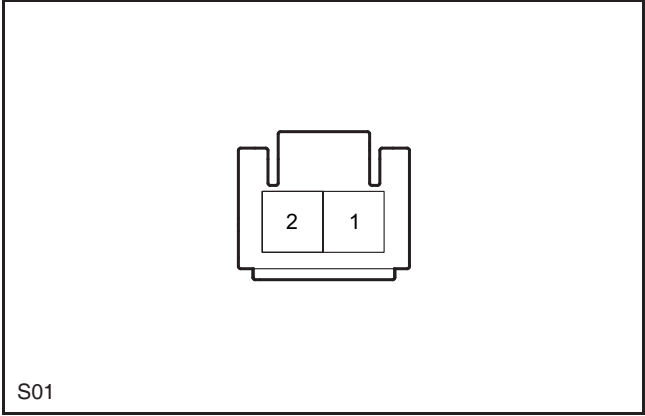
BCM Connector B



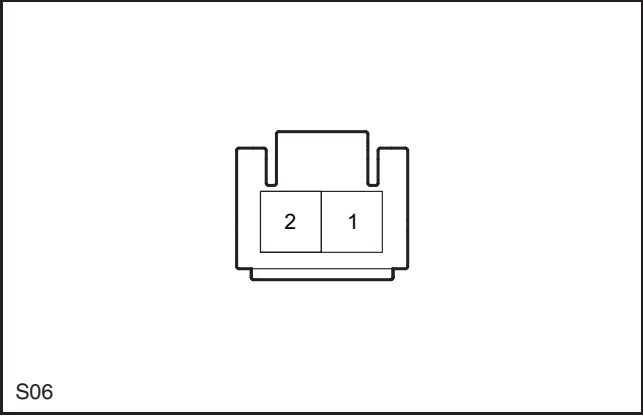
SDM Connector



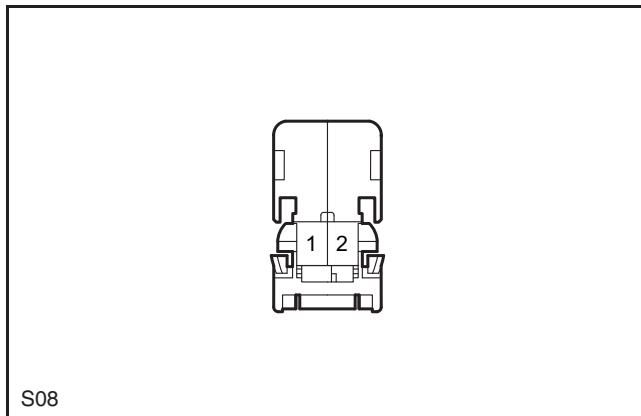
Passenger Side Airbag Connector



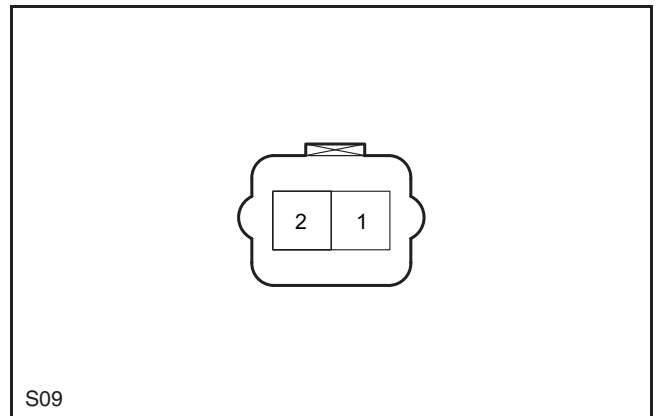
Driver Side Airbag Connector



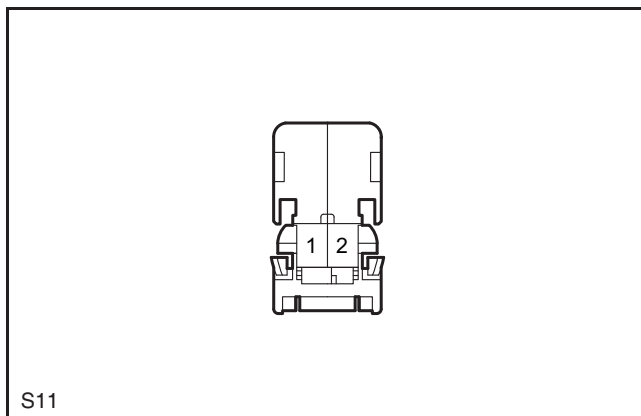
Passenger Seat Belt Pretensioner Connector



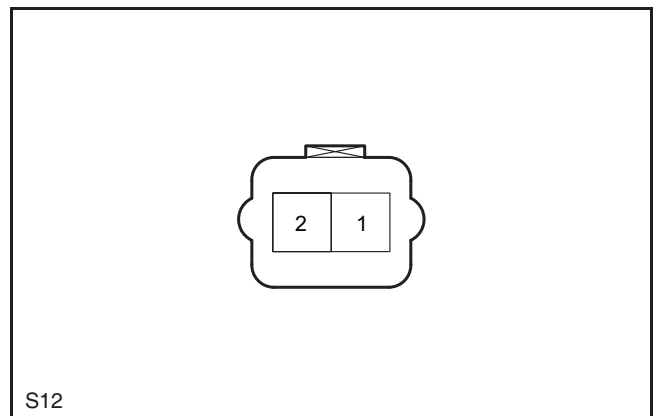
Parking Brake Switch Connector



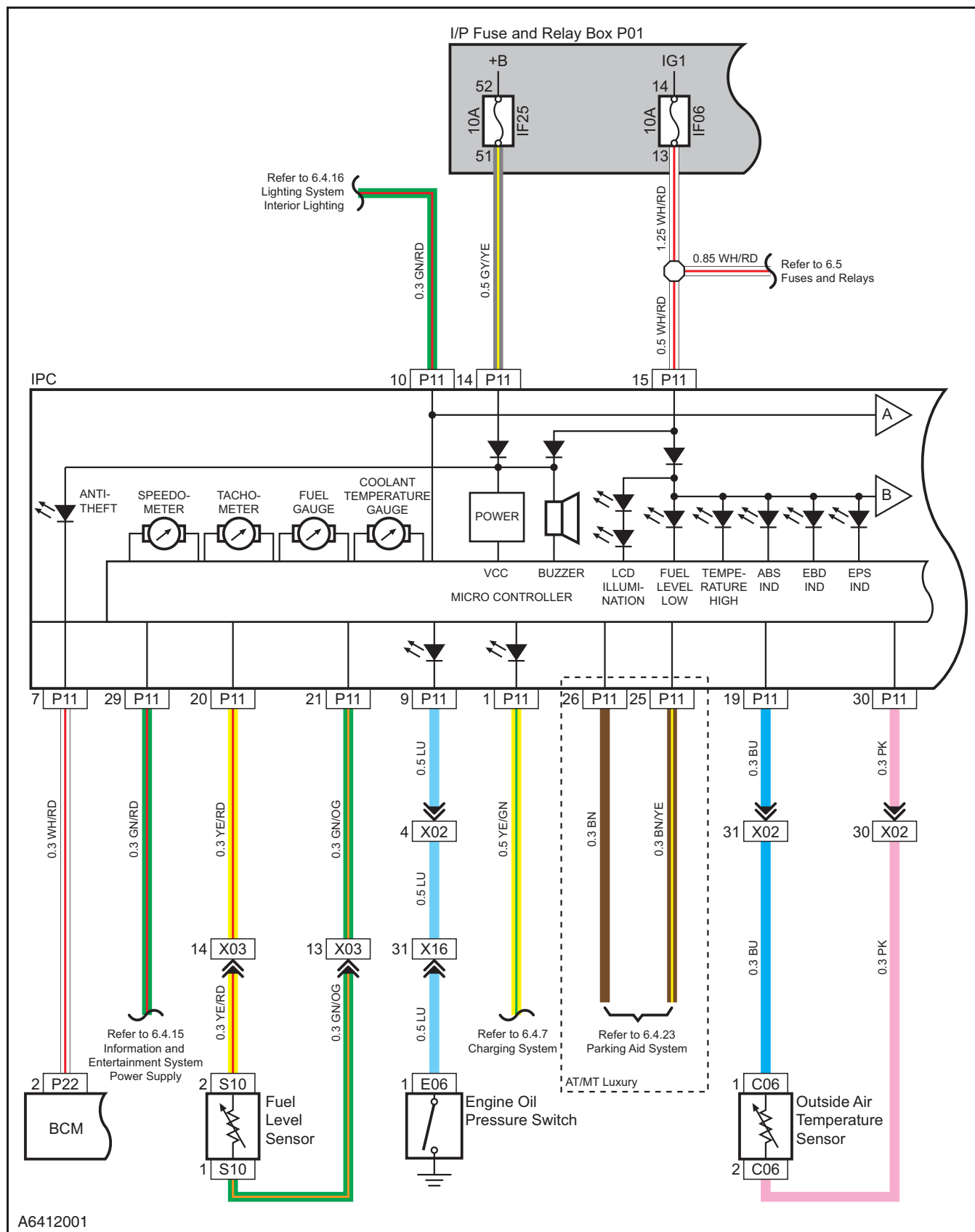
Driver Seat Belt Pretensioner Connector



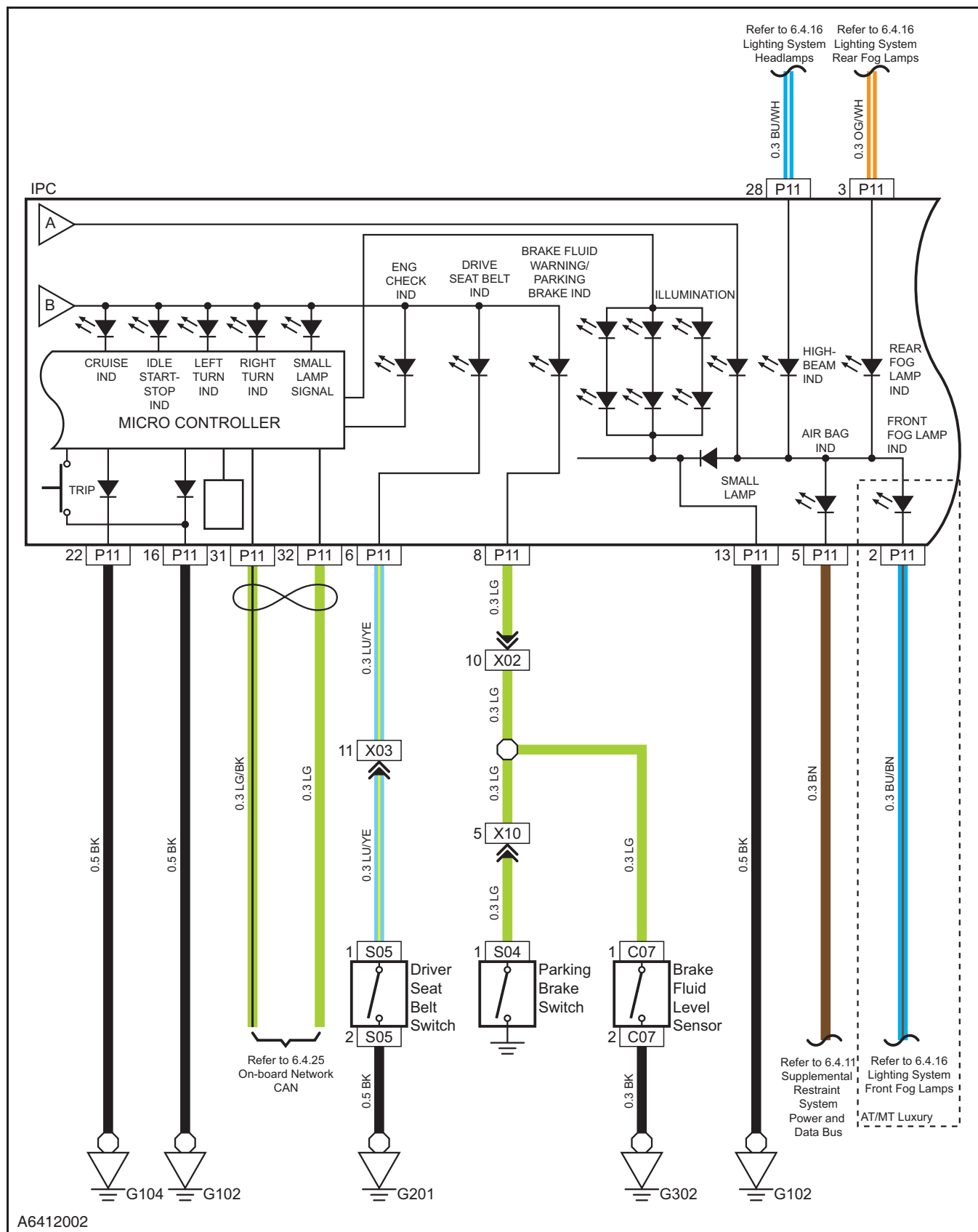
Driver Side Impact Sensor Connector



Power Supply and Signal

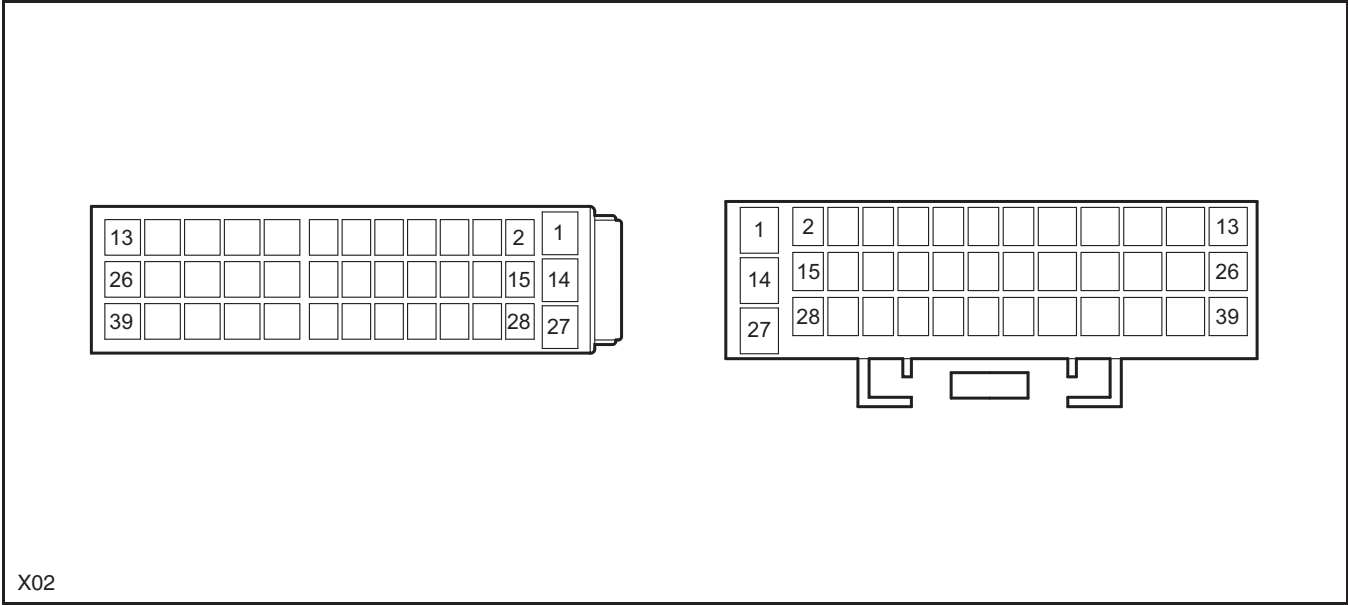


Signal Lamps



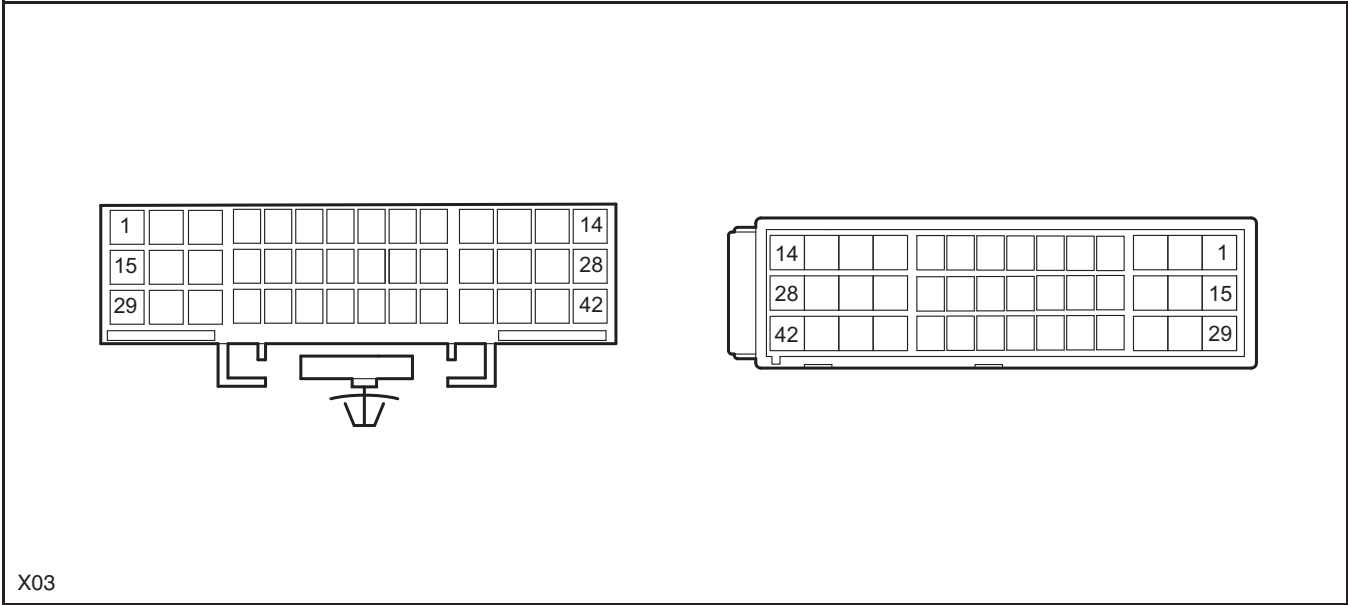
I/P Harness to Engine Compartment Harness Connector B

Engine Compartment Harness to I/P Harness Connector B



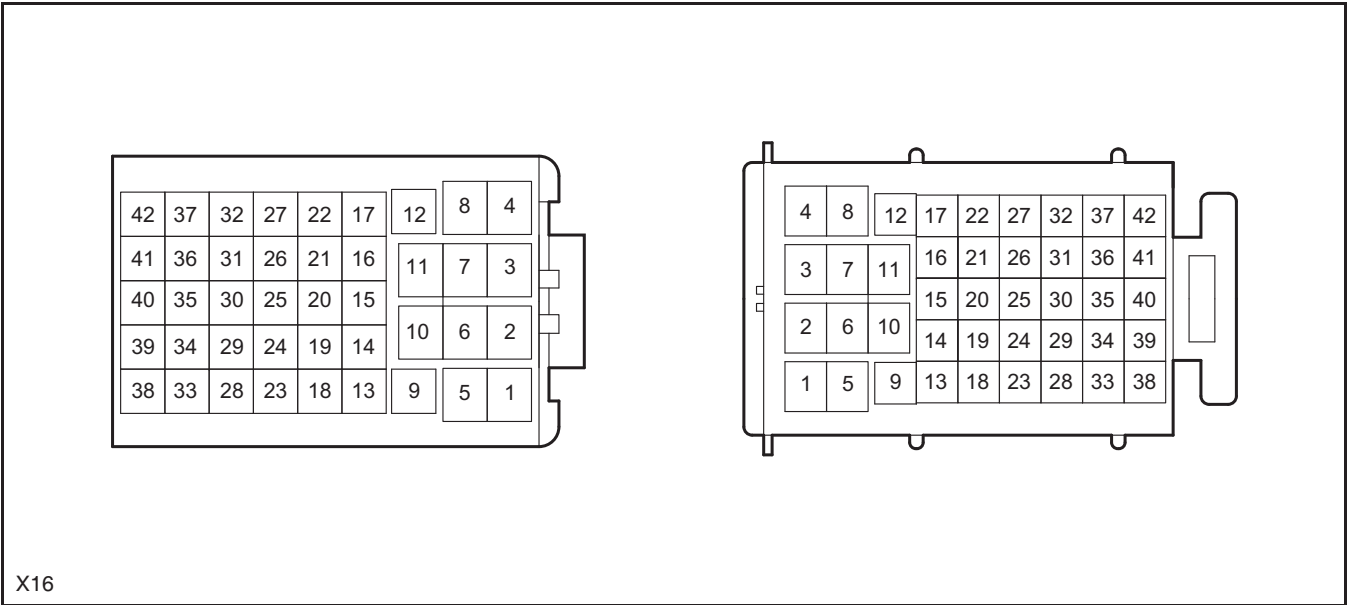
I/P Harness to Engine Compartment Harness Connector A

Engine Compartment Harness to I/P Harness Connector A



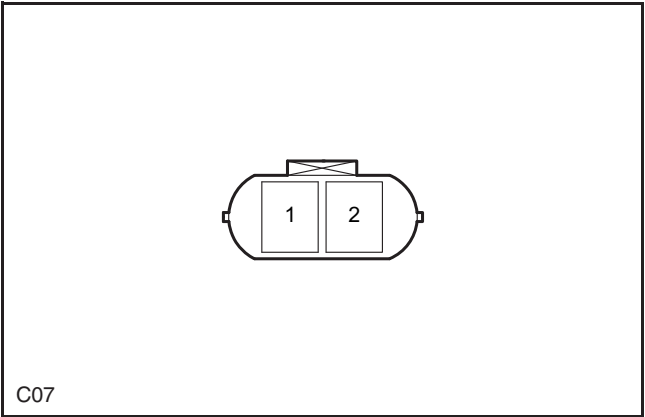
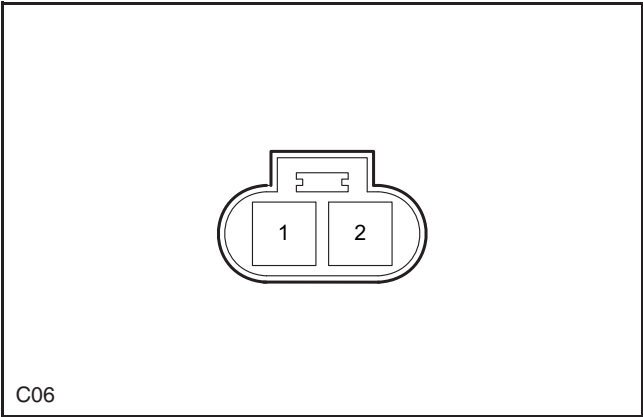
Engine Compartment Harness to Engine Harness
Connector

Engine Harness to Engine Compartment Harness
Connector

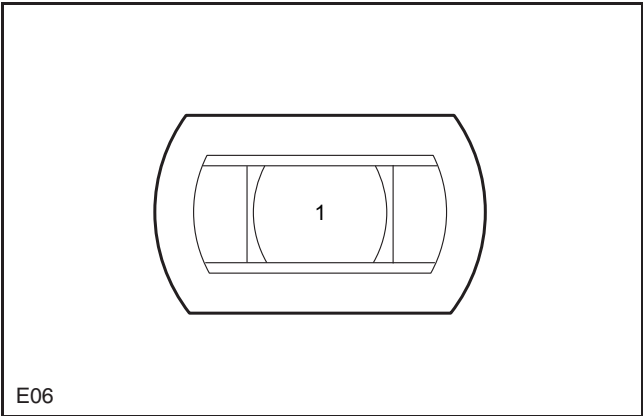


Outside Air Temperature Sensor Connector

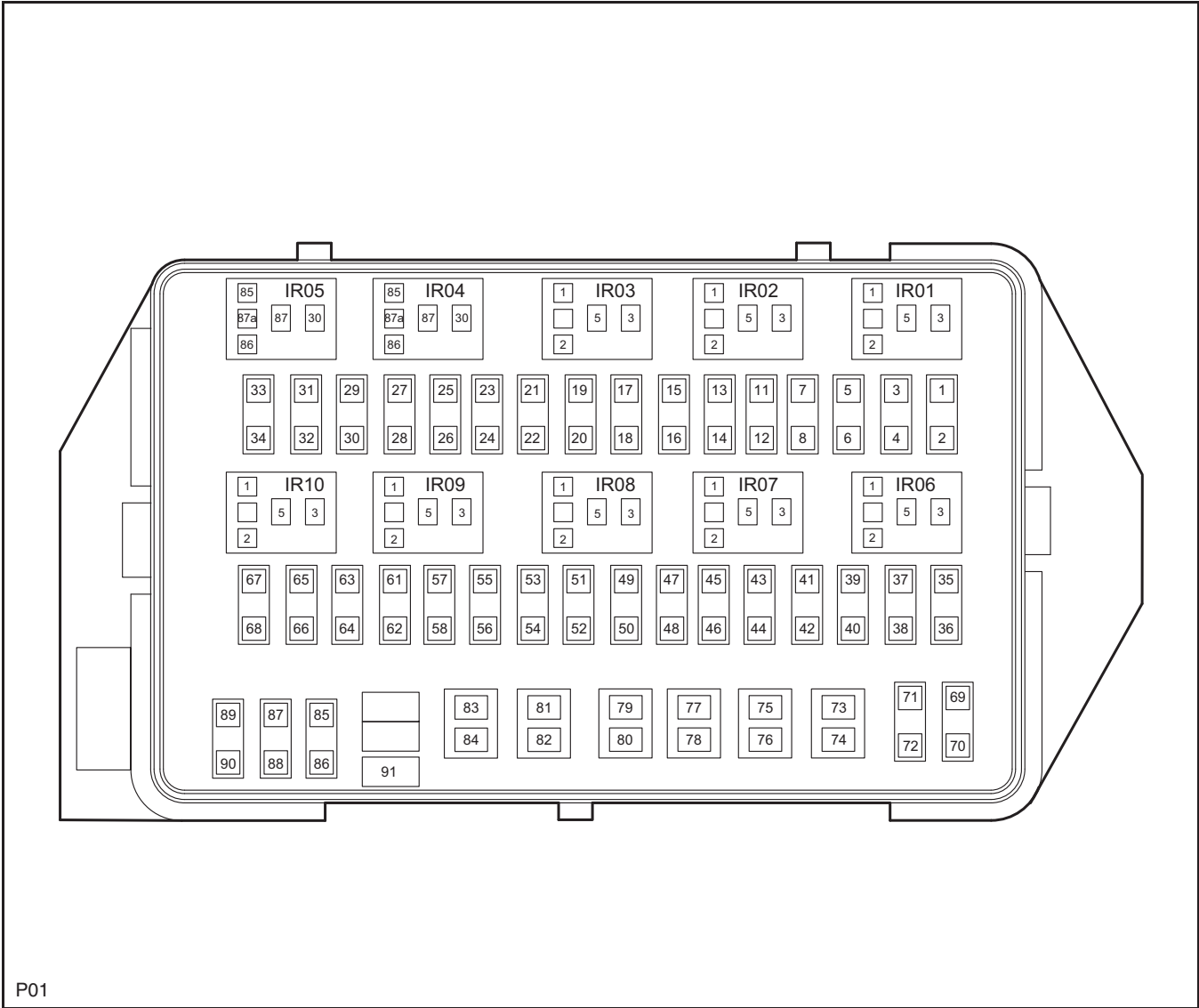
Brake Fluid Level Sensor Connector



Engine Oil Pressure Switch Connector

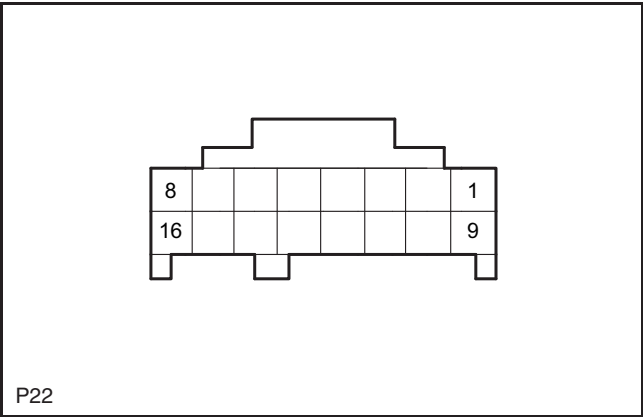
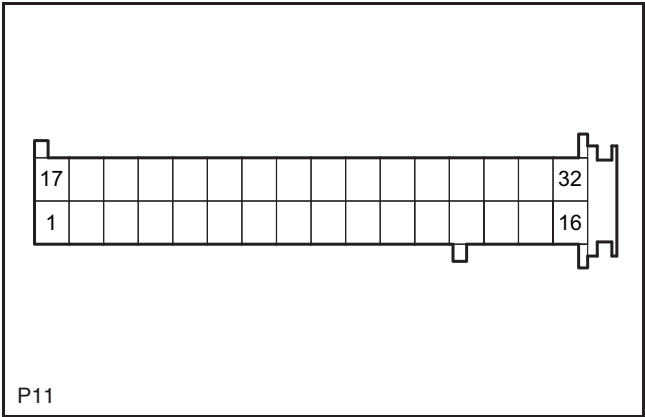


I/P Fuse and Relay Box

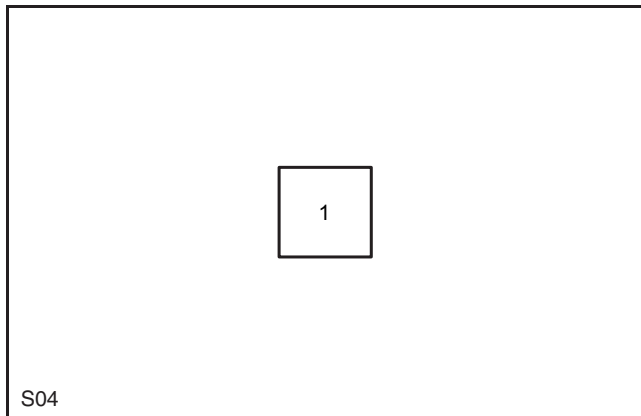


IPC Connector

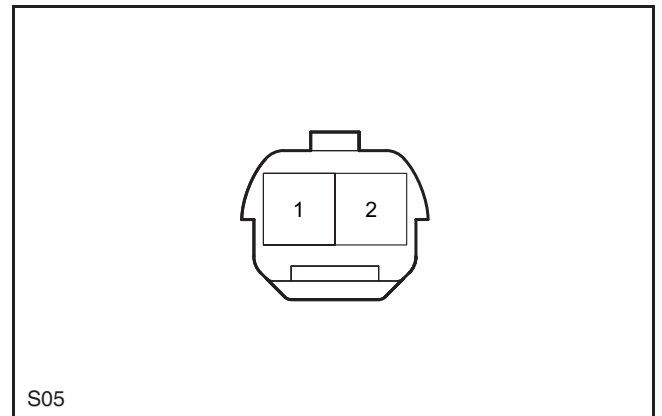
BCM Connector B



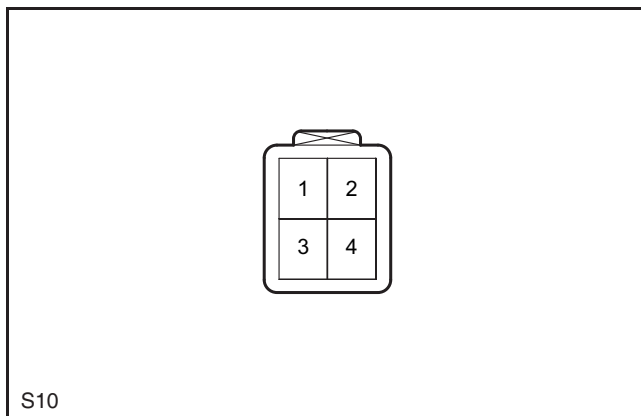
Parking Brake Switch Connector

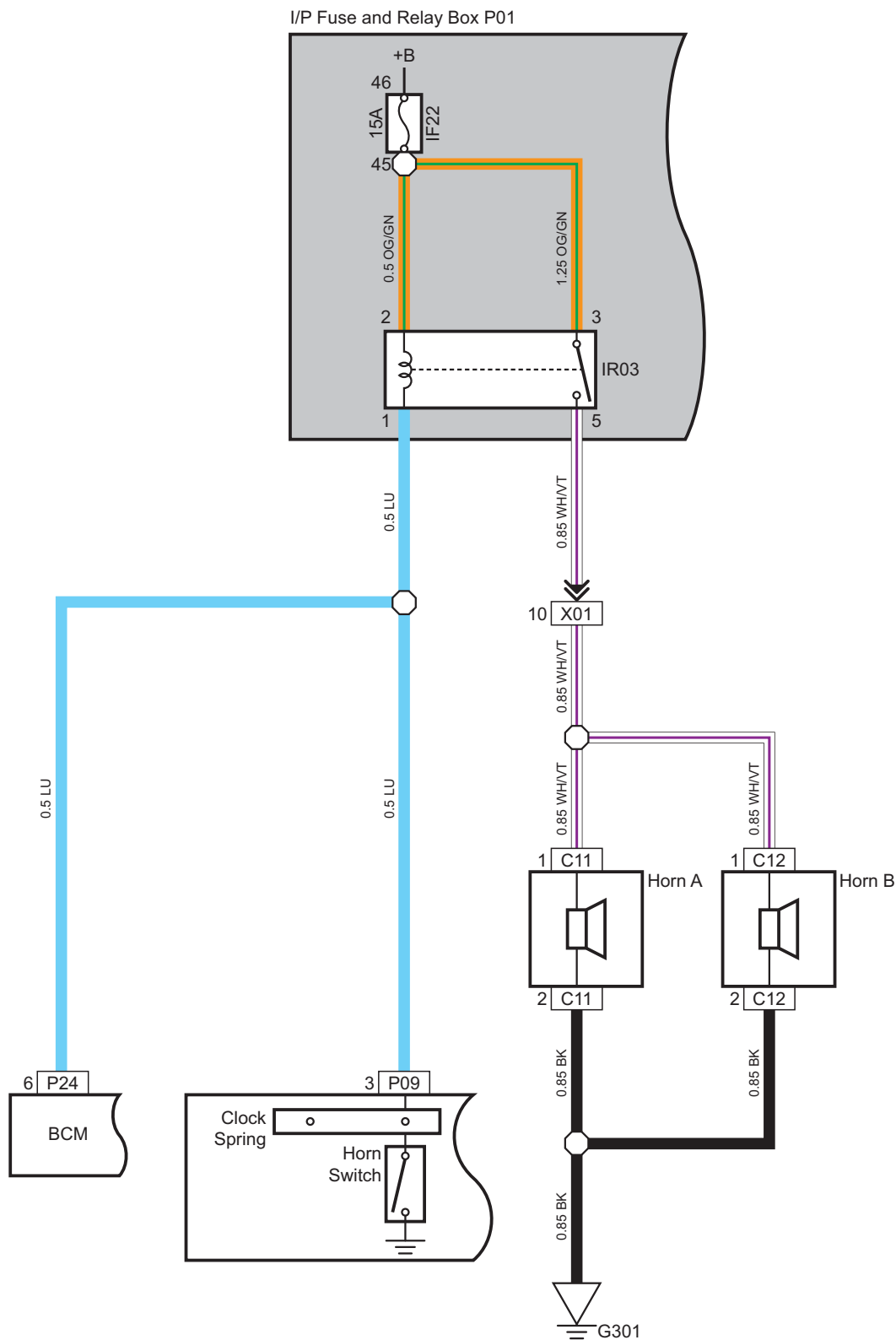


Driver Seat Belt Switch Connector



Fuel Pump Connector

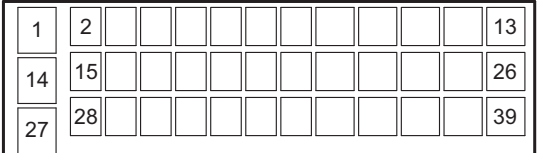
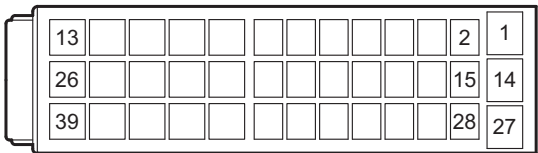




A6413001

I/P Harness to Engine Compartment Harness Connector A

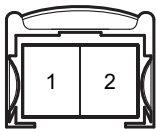
Engine Compartment Harness to I/P Harness Connector A



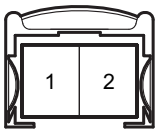
X01

Horn Connector A

Horn Connector B

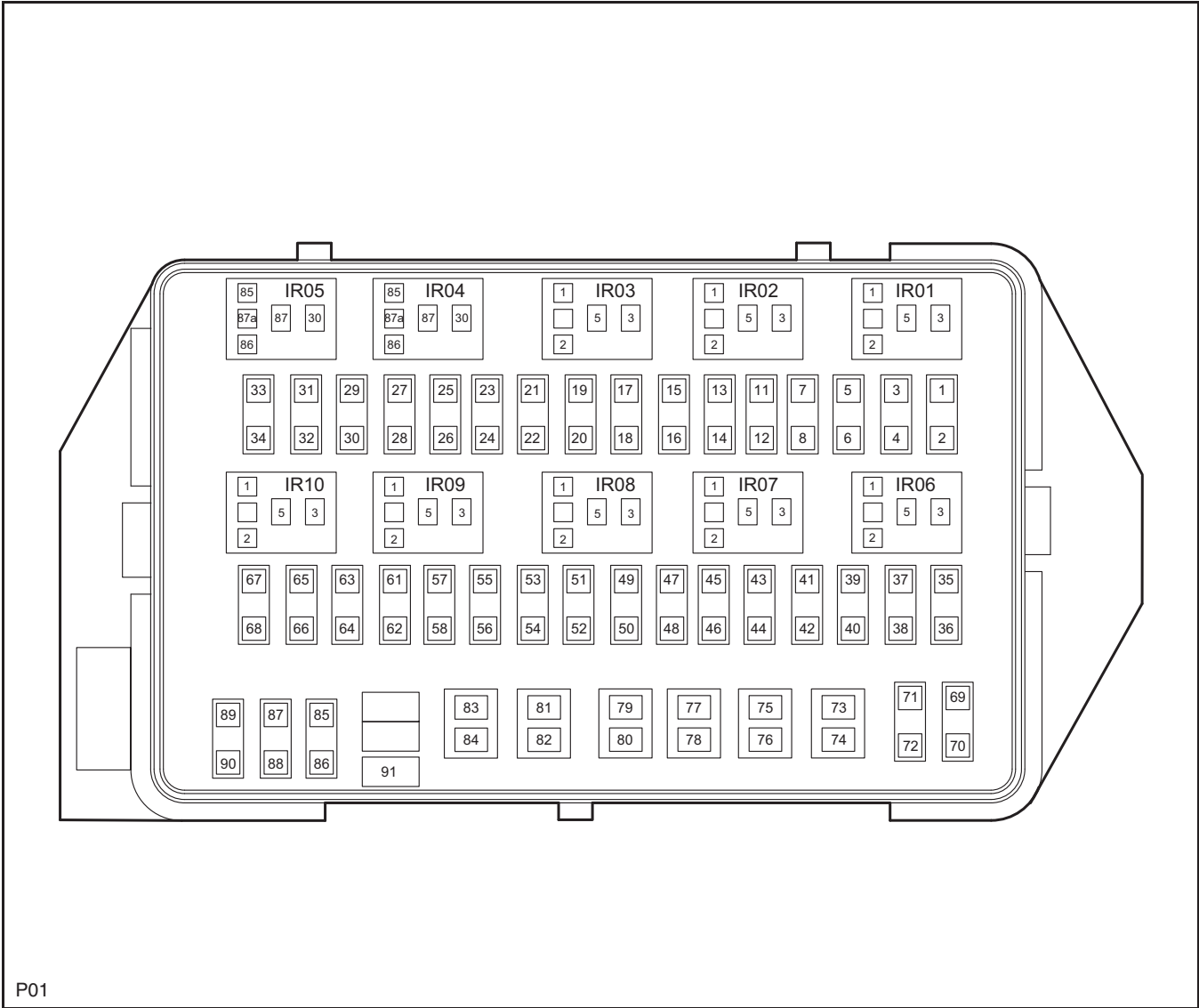


C11



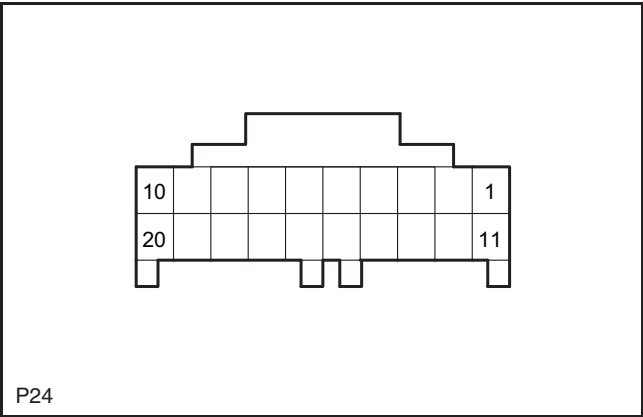
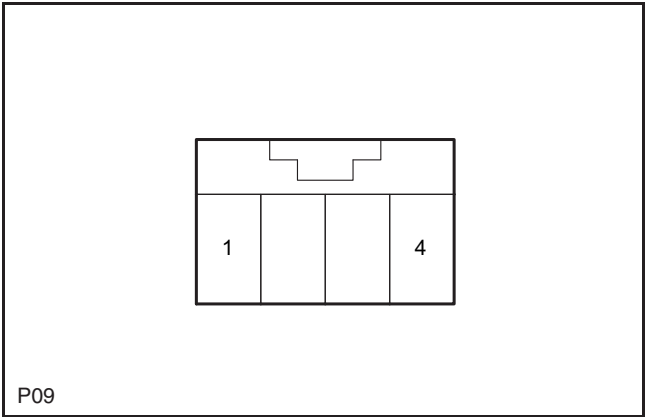
C12

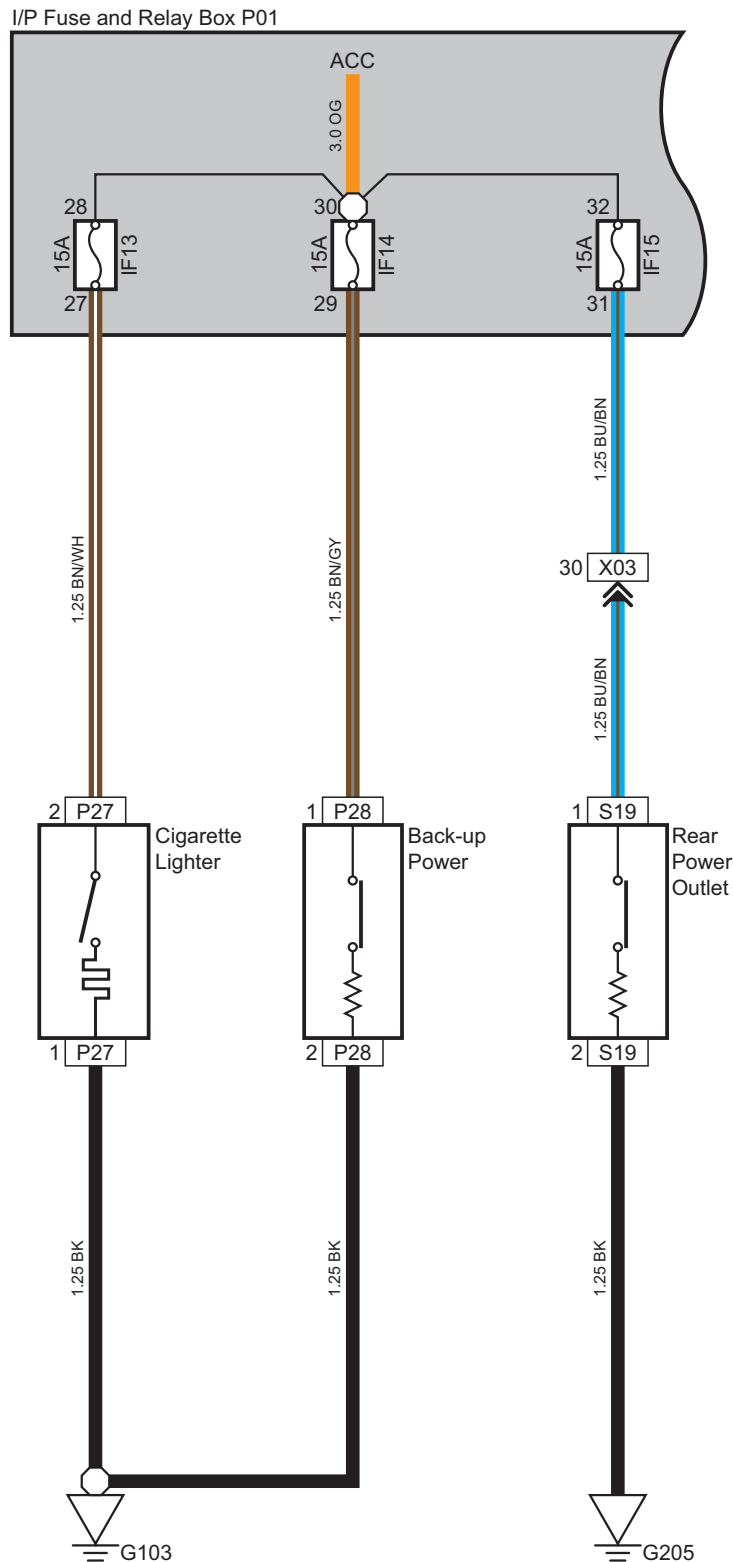
I/P Fuse and Relay Box



Audio Connector

BCM Connector D

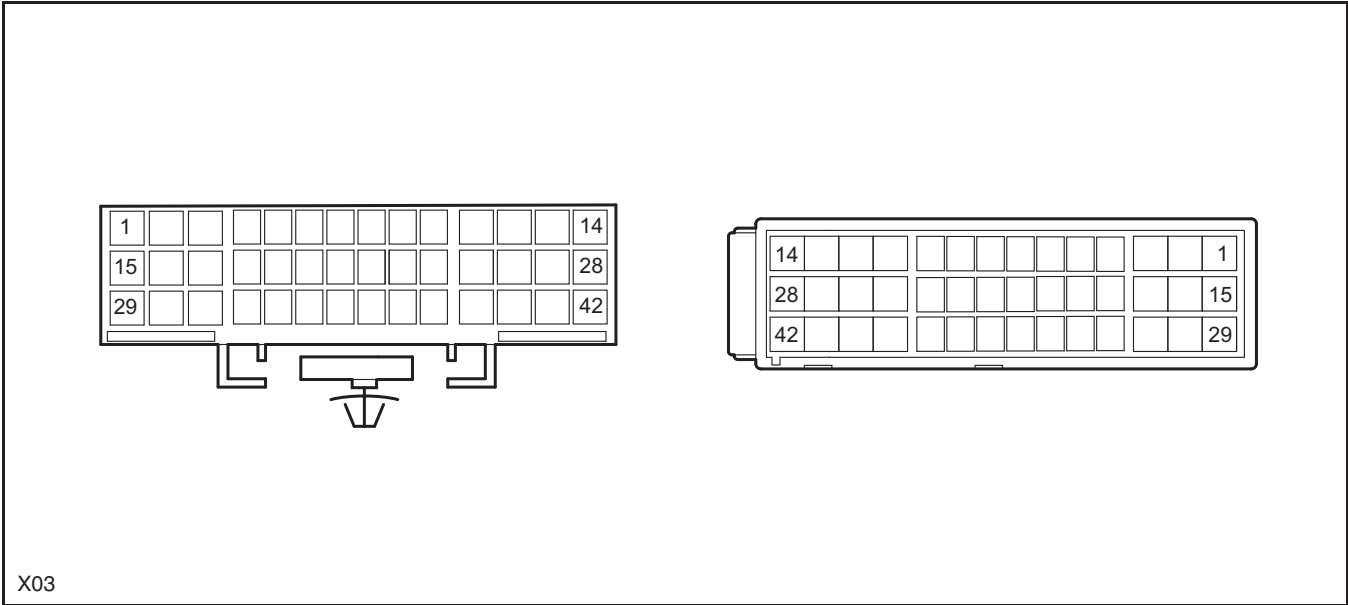




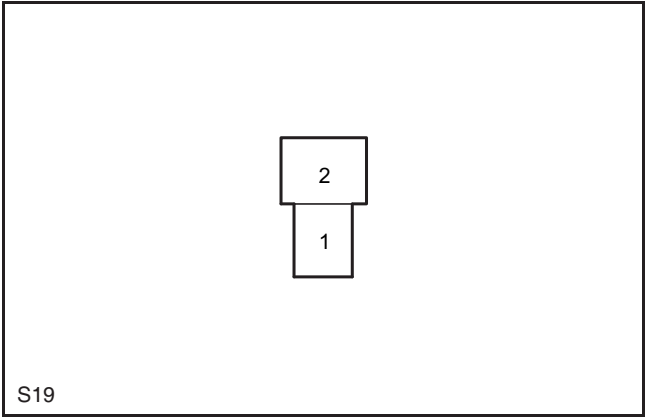
A6414001

I/P Harness to Floor Harness Connector A

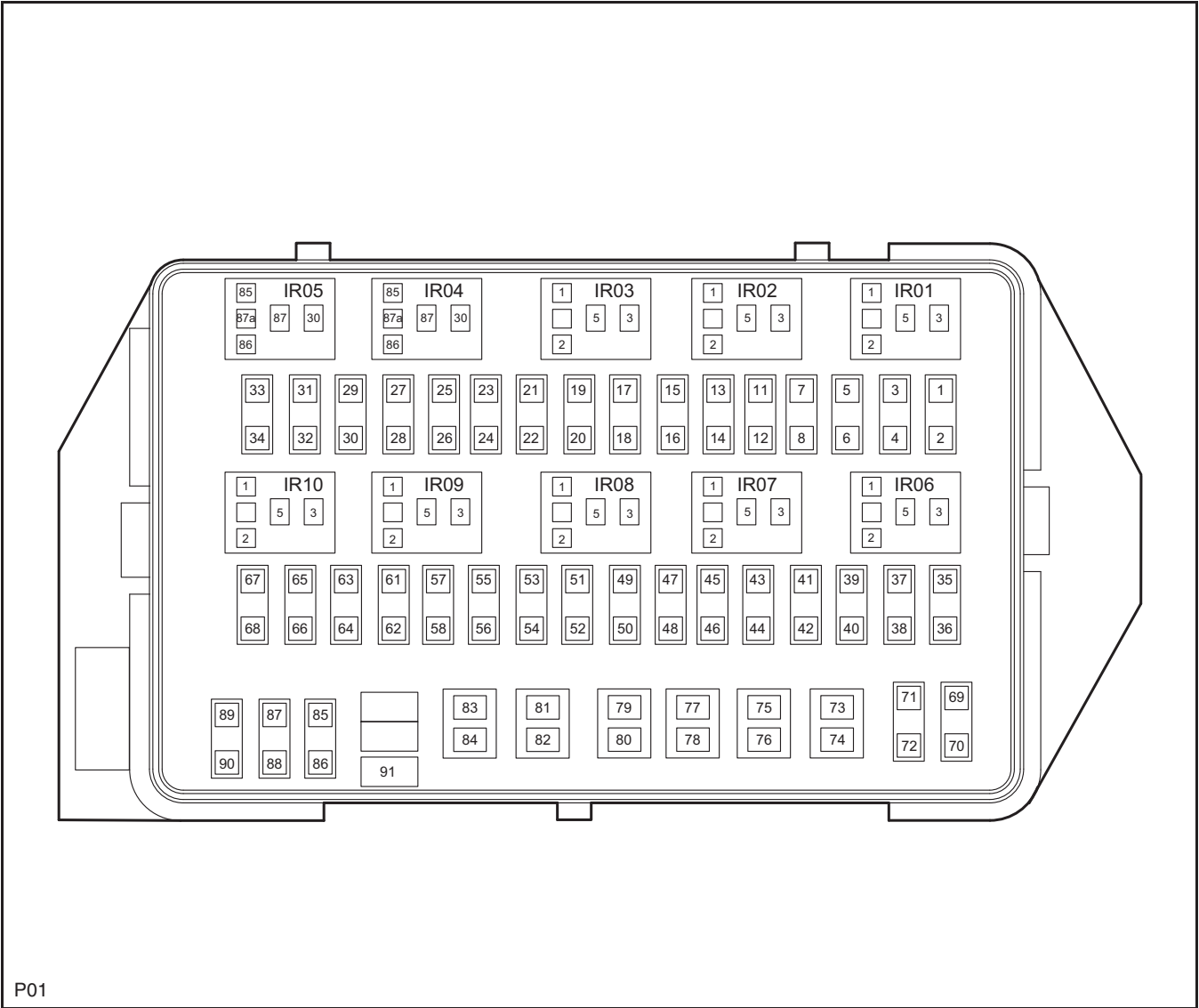
Floor Harness to I/P Harness Connector A



Rear Power Outlet Connector



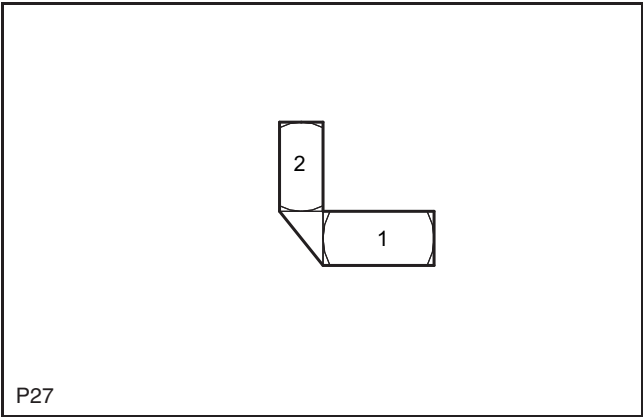
I/P Fuse and Relay Box



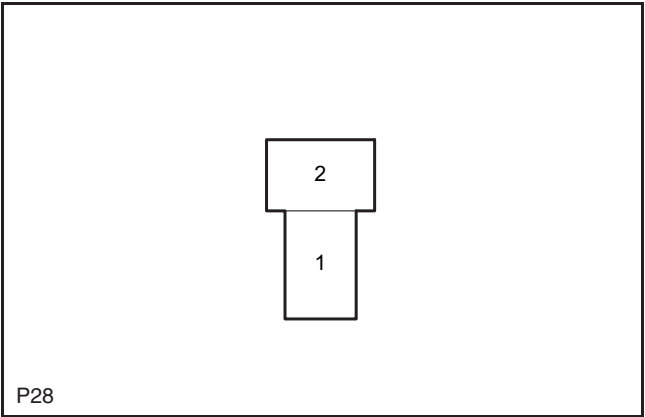
P01

Cigarette Lighter Connector

Back-up Power

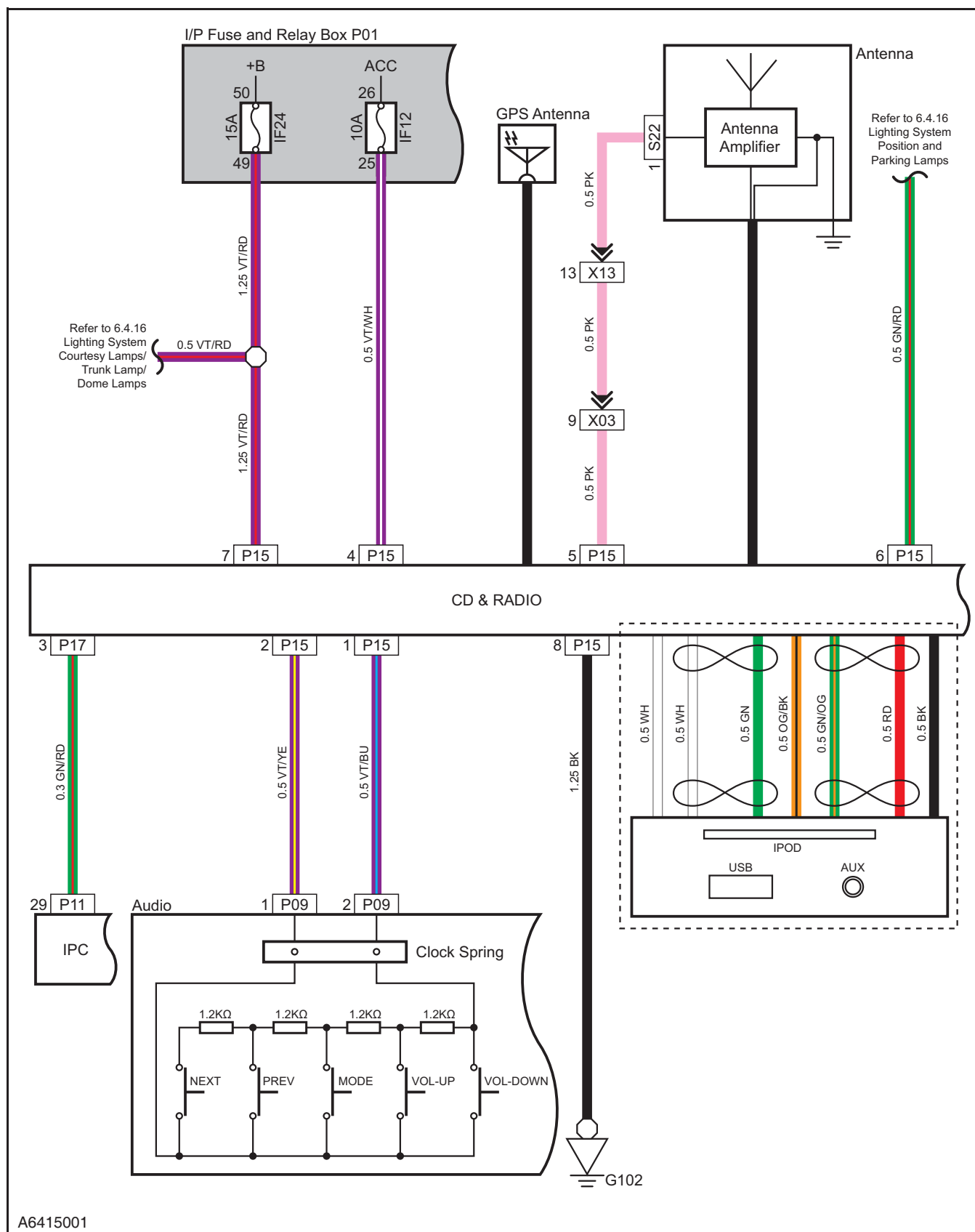


P27

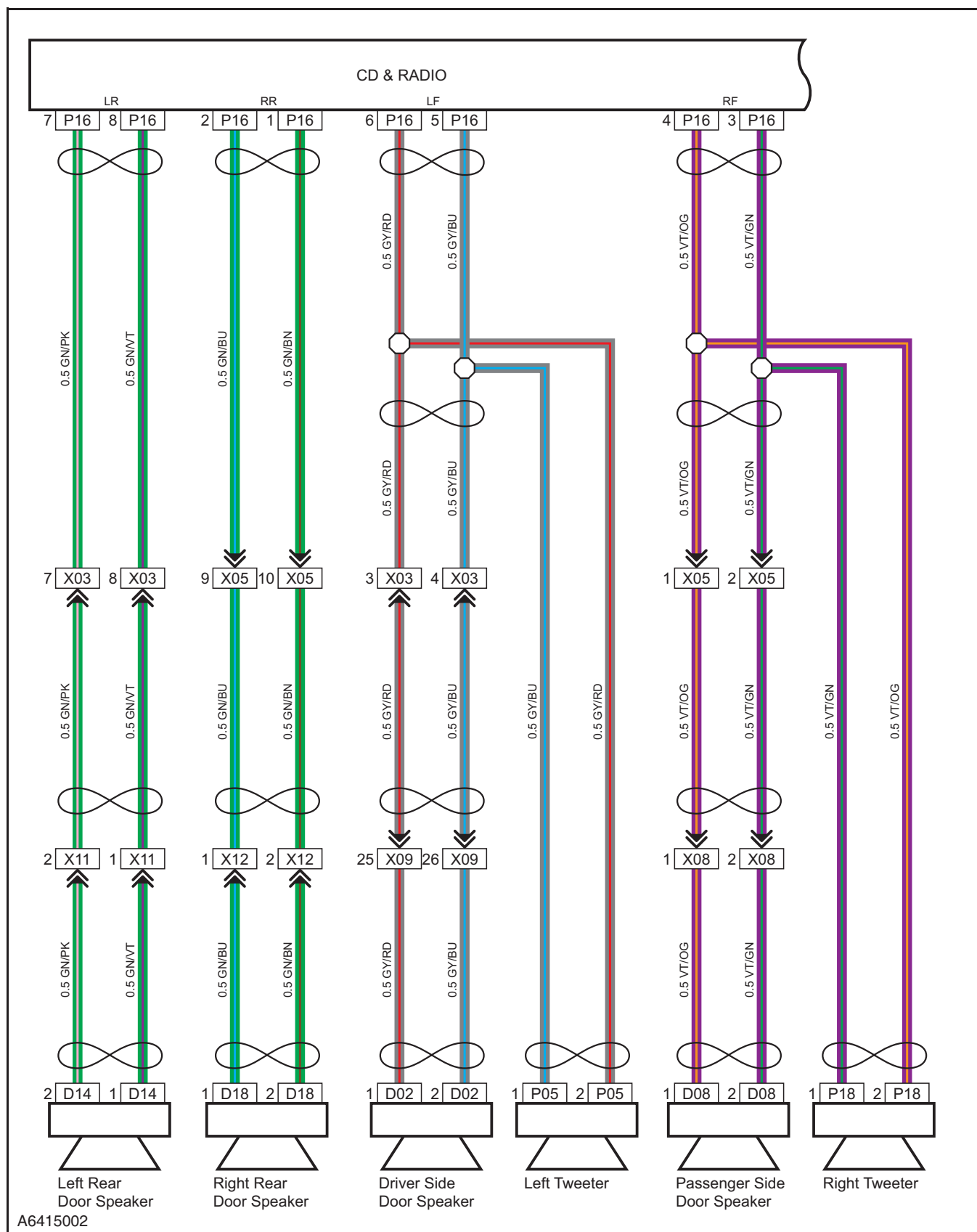


P28

Power Supply

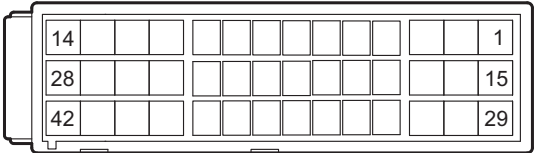
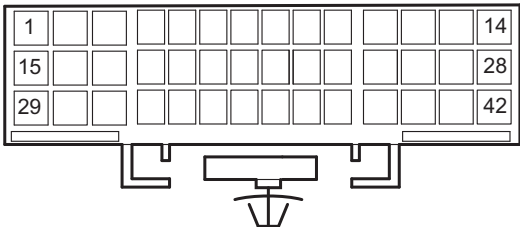


Speaker Connector



I/P Harness to Floor Harness Connector A

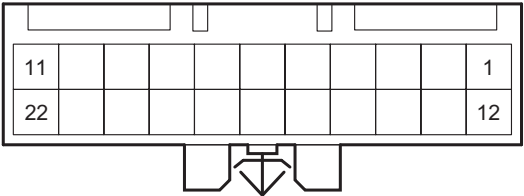
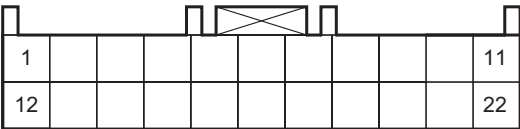
Floor Harness to I/P Harness Connector A



X03

I/P Harness to Floor Harness Connector B

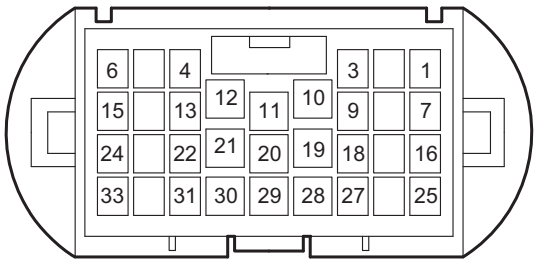
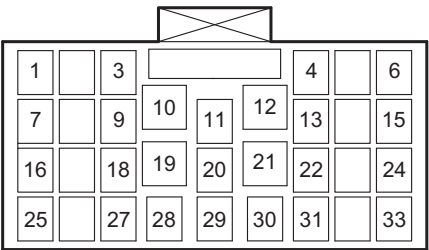
Floor Harness to I/P Harness Connector B



X05

Floor Harness to Right Front Door Harness Connector

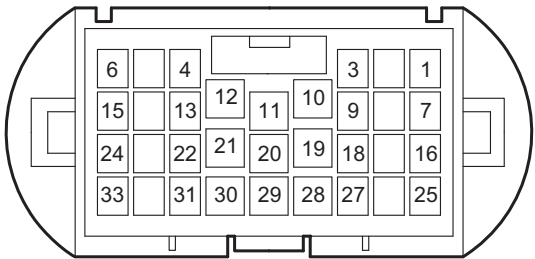
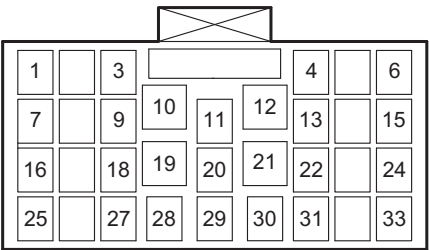
Right Front Door Harness to Floor Harness Connector



X08

Floor Harness to Left Front Door Harness Connector

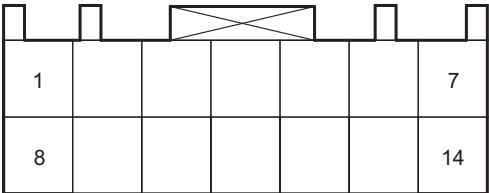
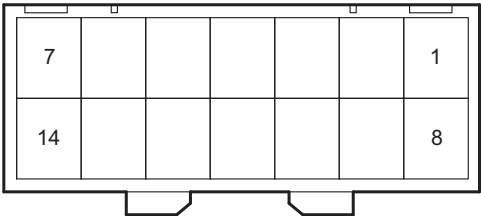
Left Front Door Harness to Floor Harness Connector



X09

Floor Harness to Left Rear Door Harness Connector

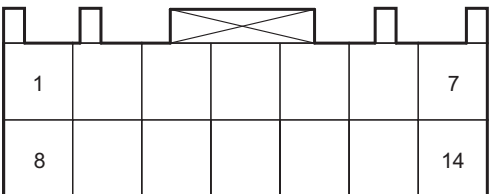
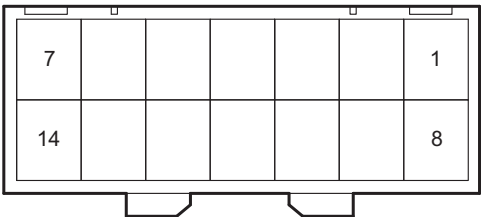
Left Rear Door Harness to Floor Harness Connector



X11

Floor Harness to Right Rear Door Harness Connector

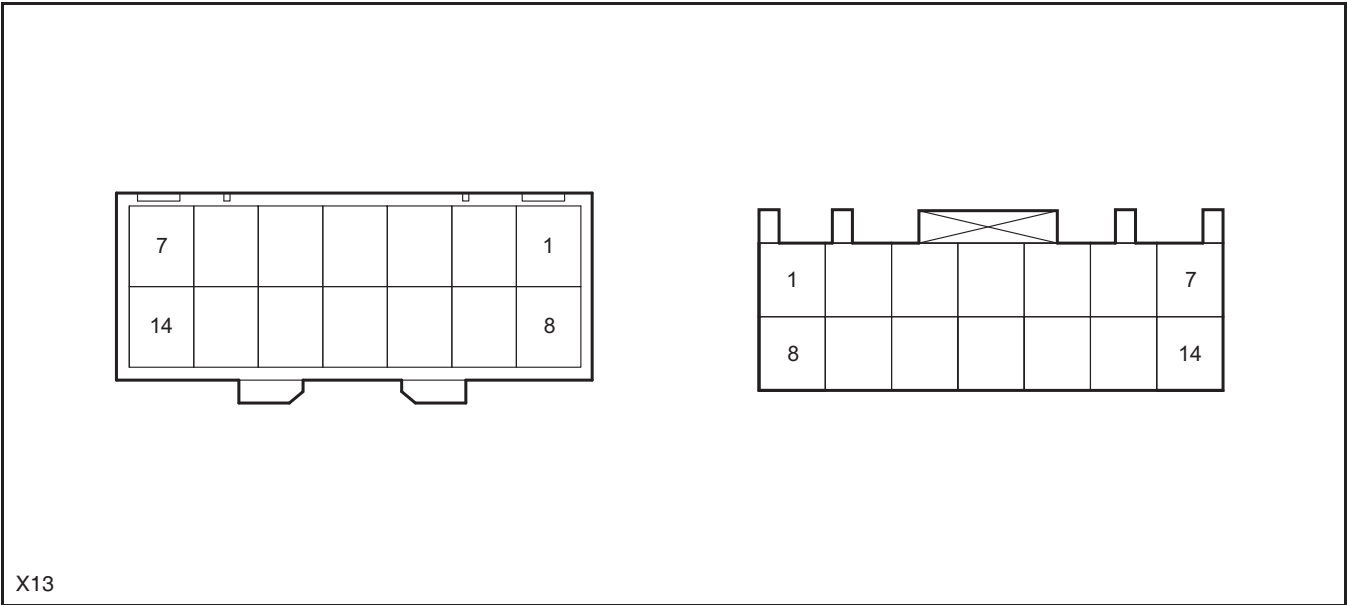
Right Rear Door Harness to Floor Harness Connector



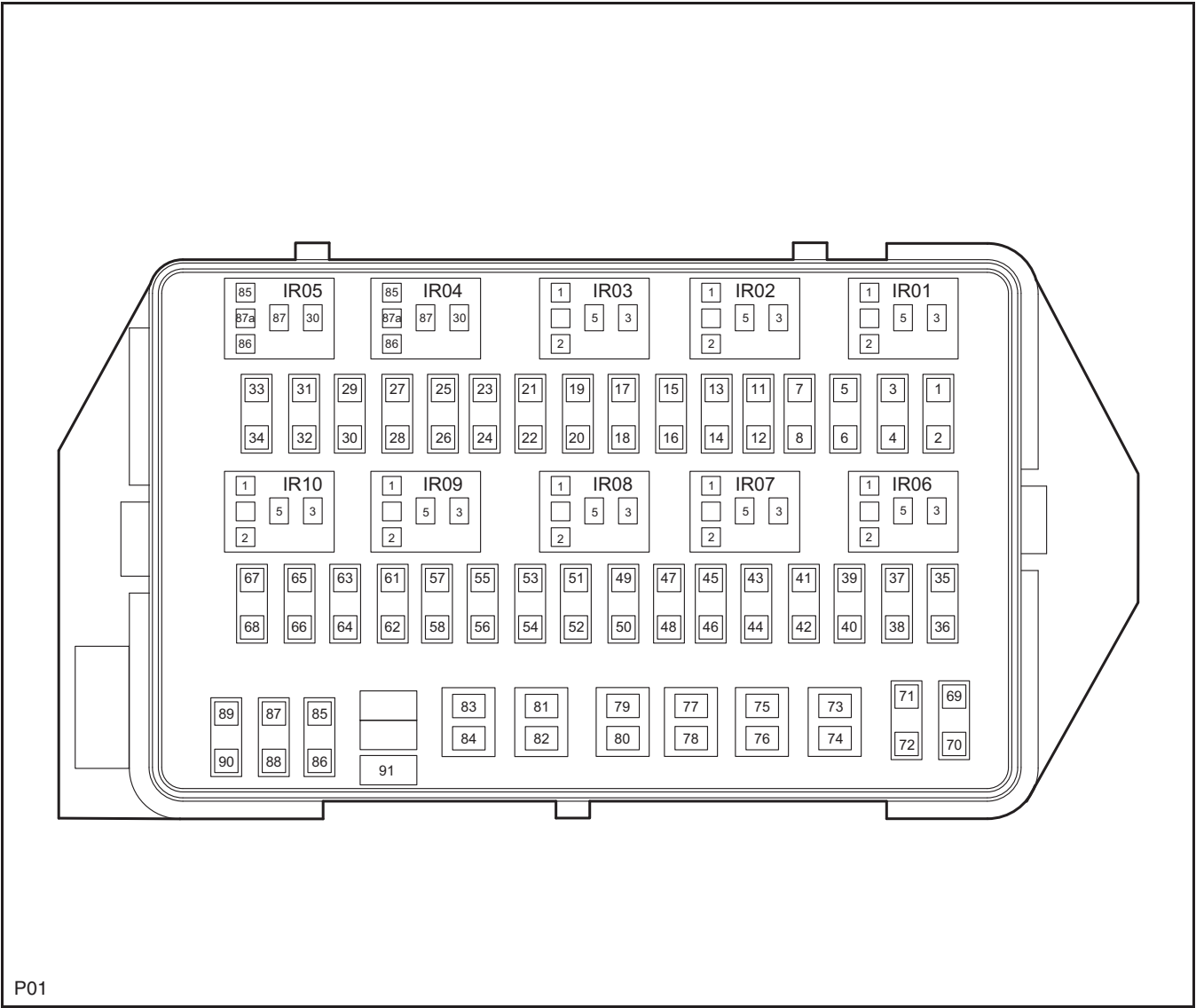
X12

Floor Harness to Tailgate Extended Harness Connector

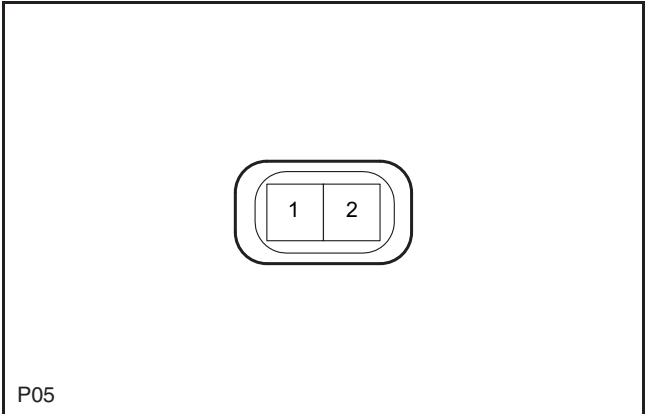
Tailgate Extended Harness to Floor Harness Connector



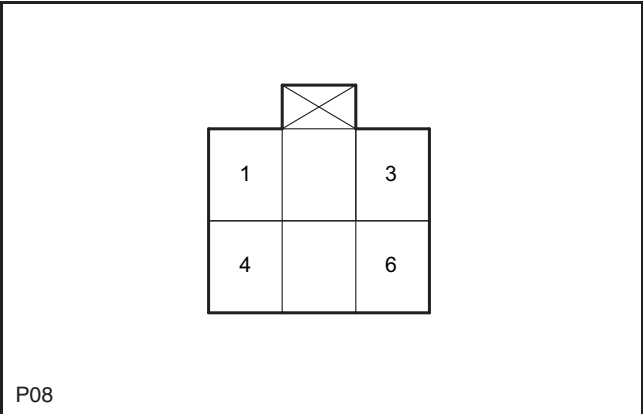
I/P Fuse and Relay Box



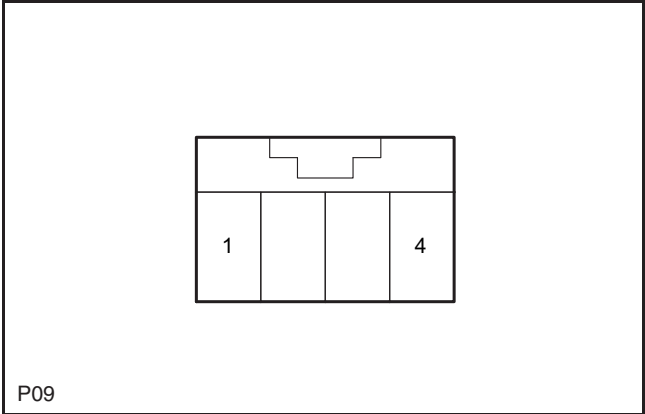
Left Tweeter Connector



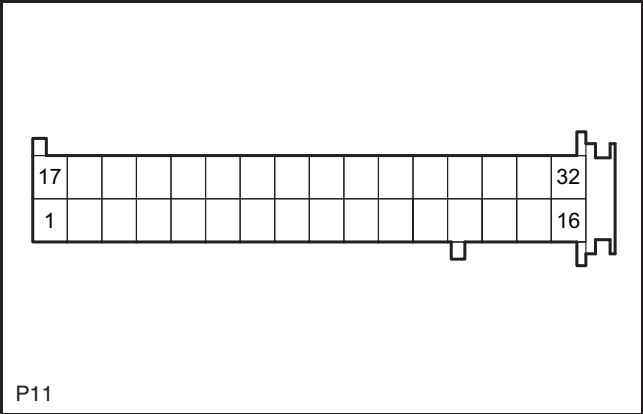
Ignition Switch Connector



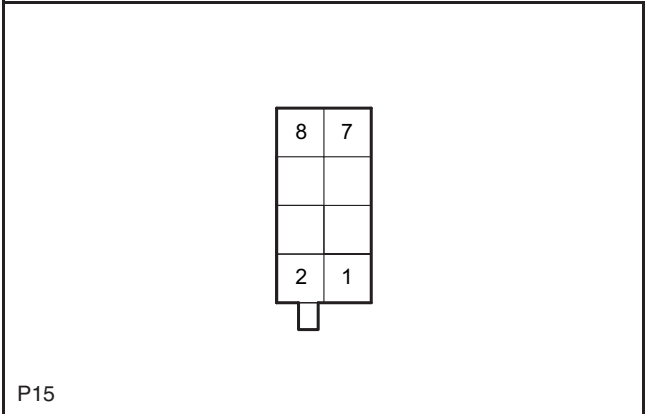
Audio Connector



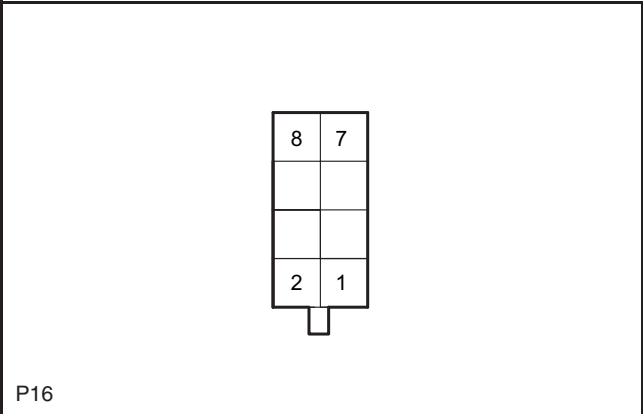
IPC Connector



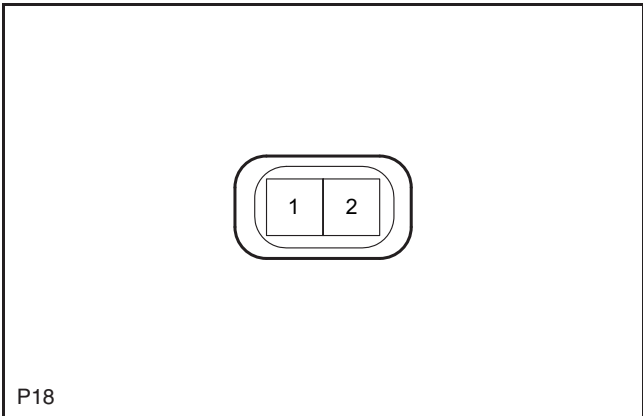
CD Connector A



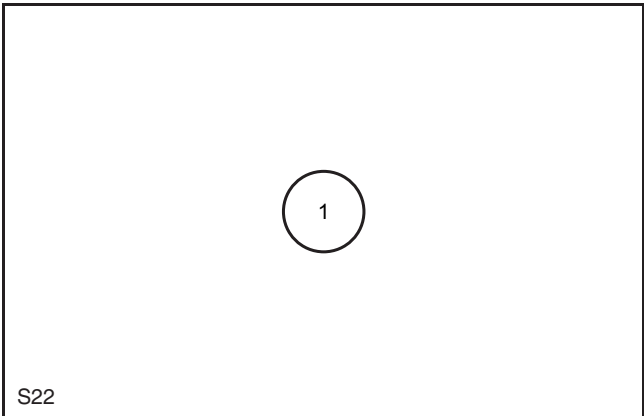
CD Connector B



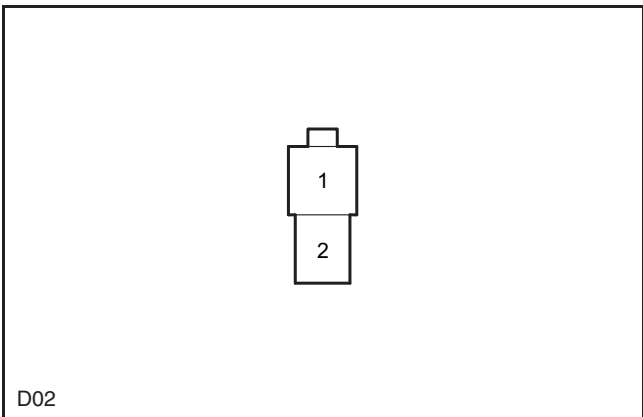
Right Tweeter Connector



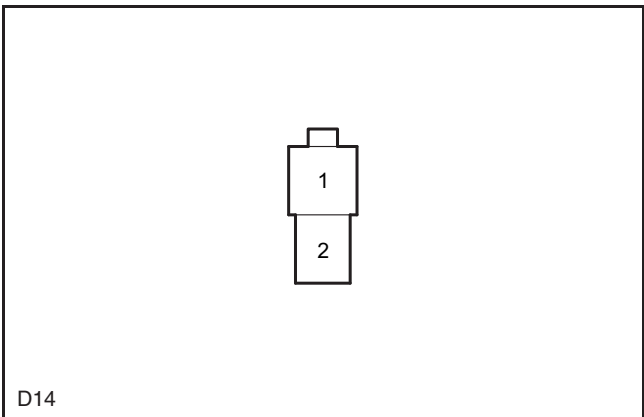
Antenna Connector



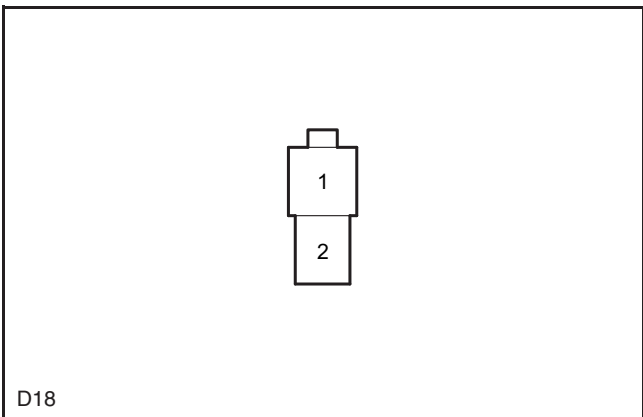
Driver Side Door Speaker Connector



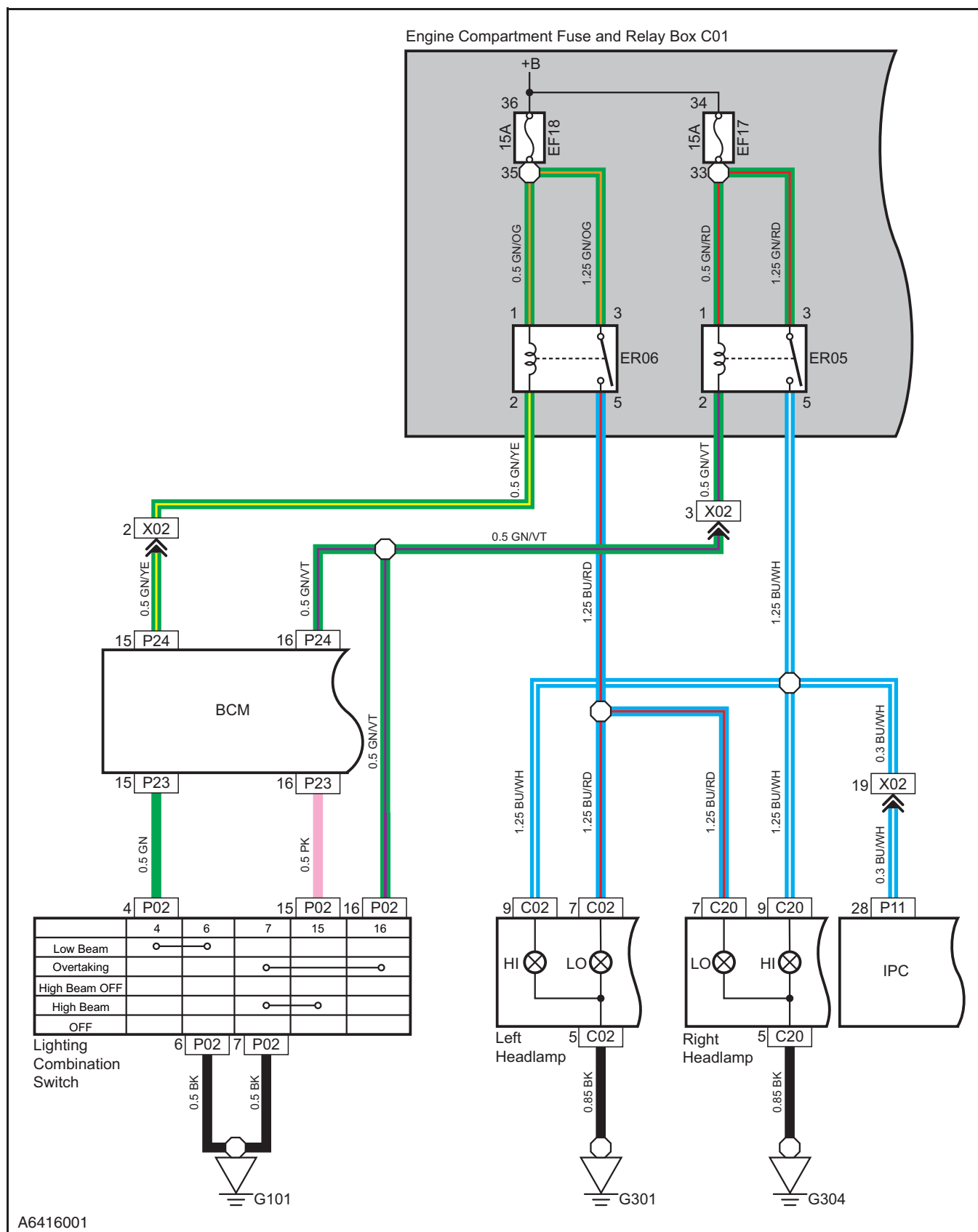
Left Rear Door Speaker Connector



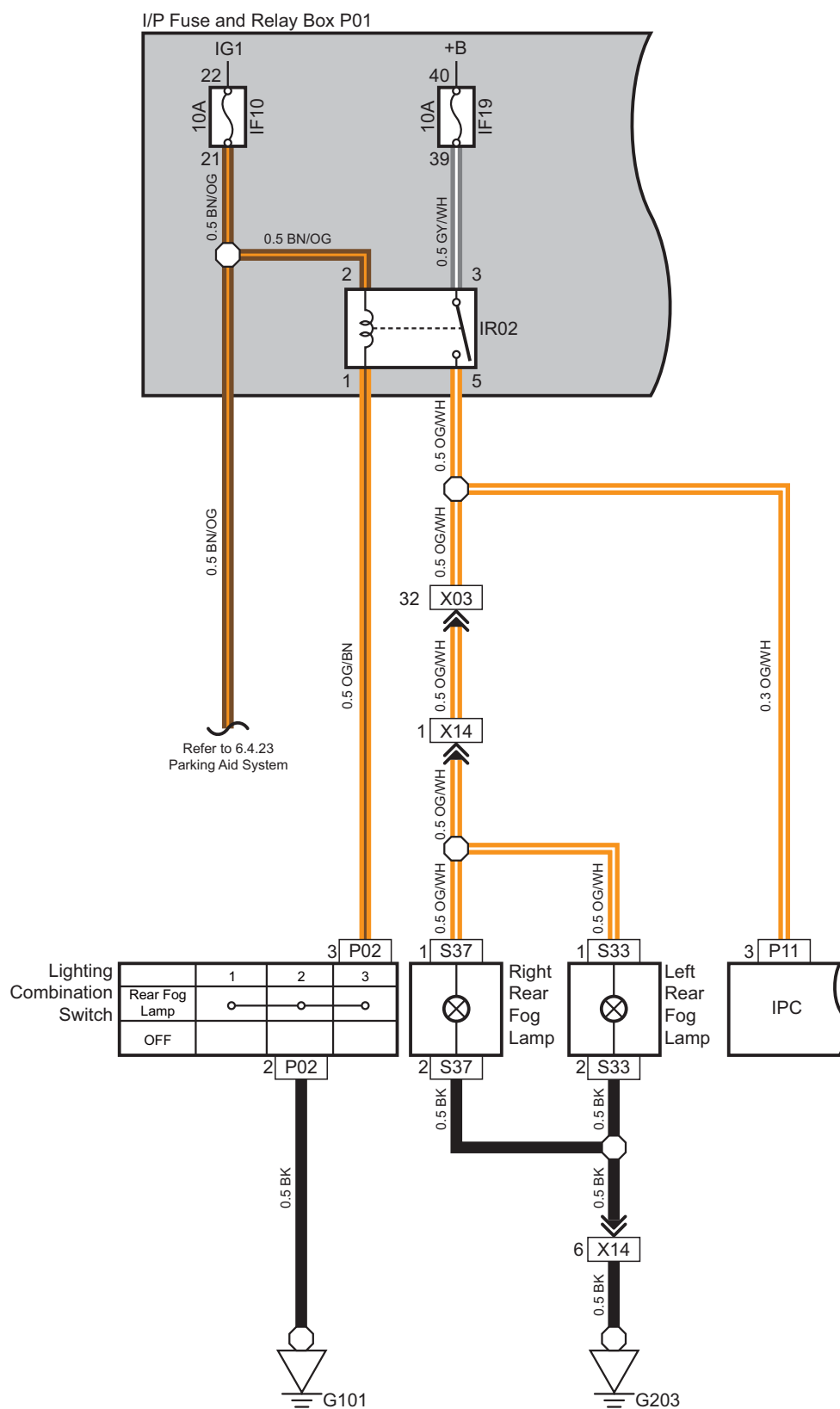
Right Rear Door Speaker Connector



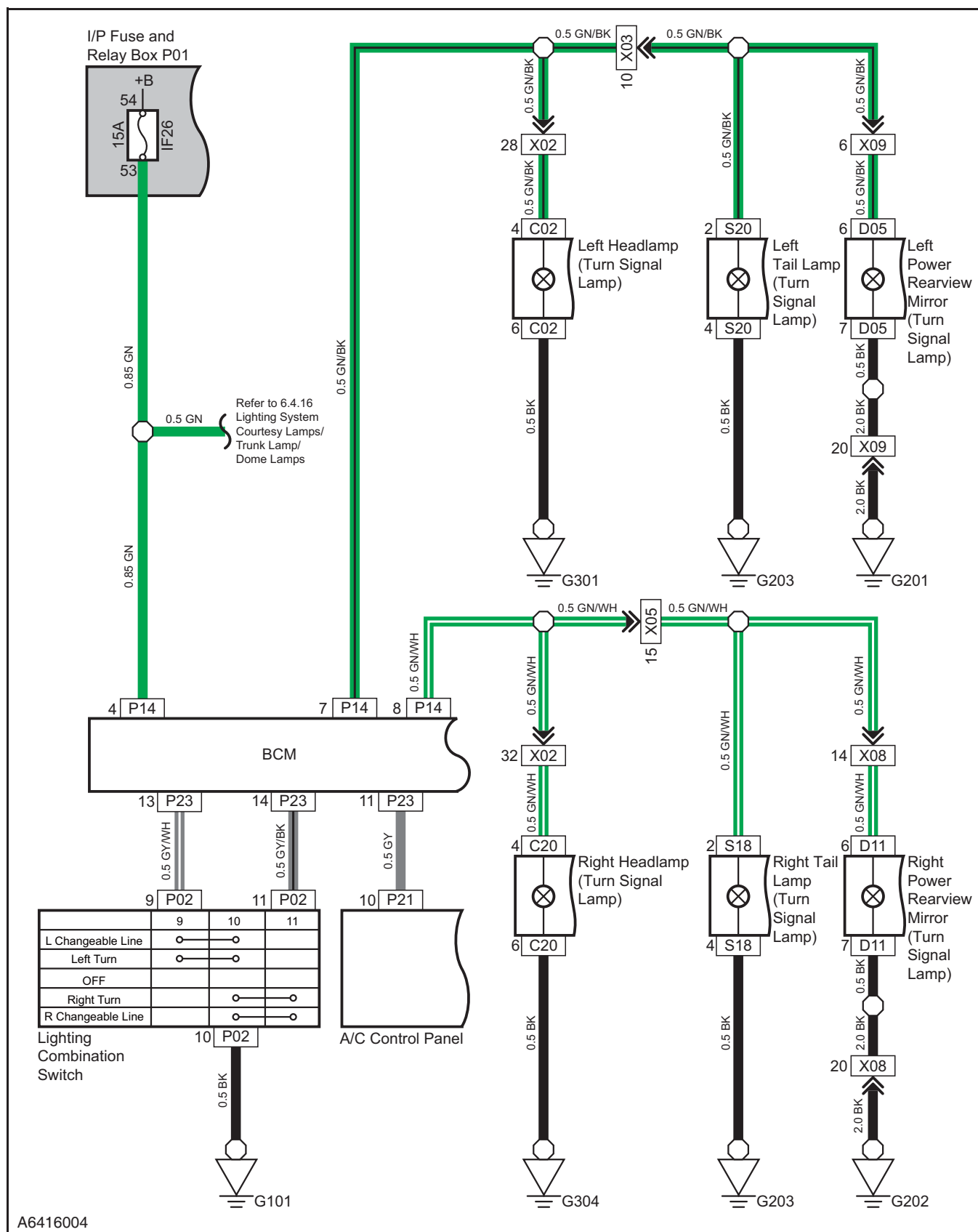
Headlamps



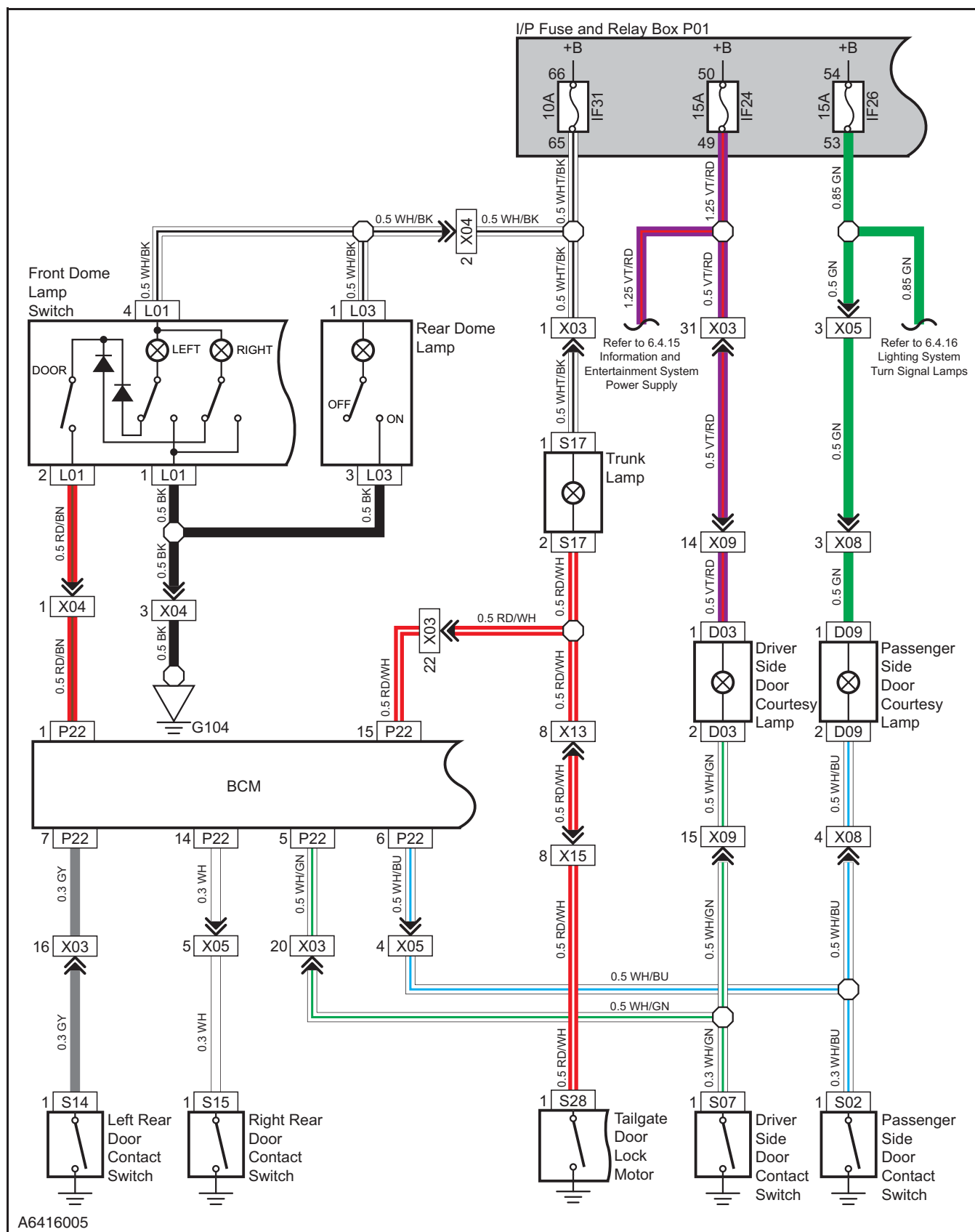
Rear Fog Lamps



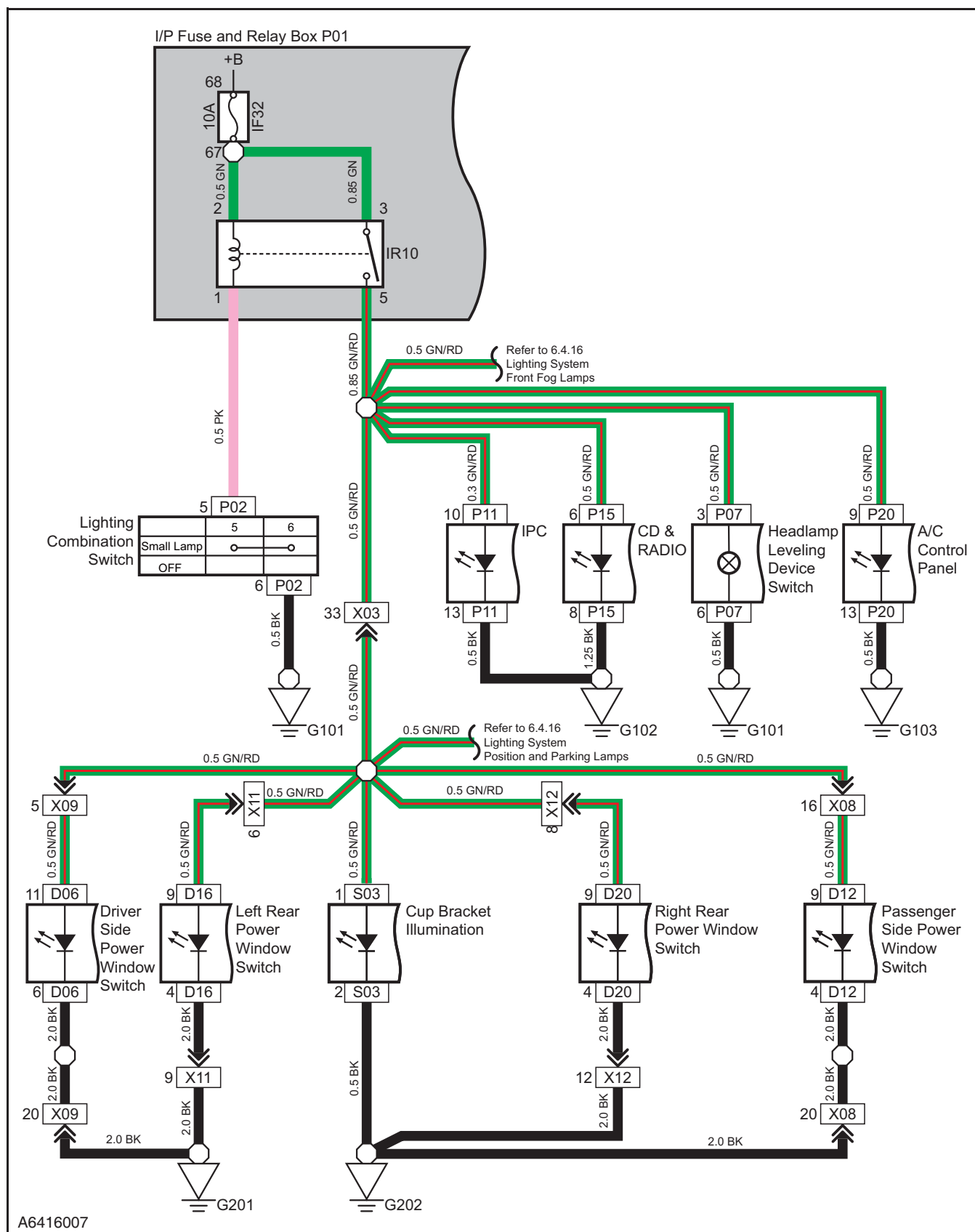
Turn Signal Lamps



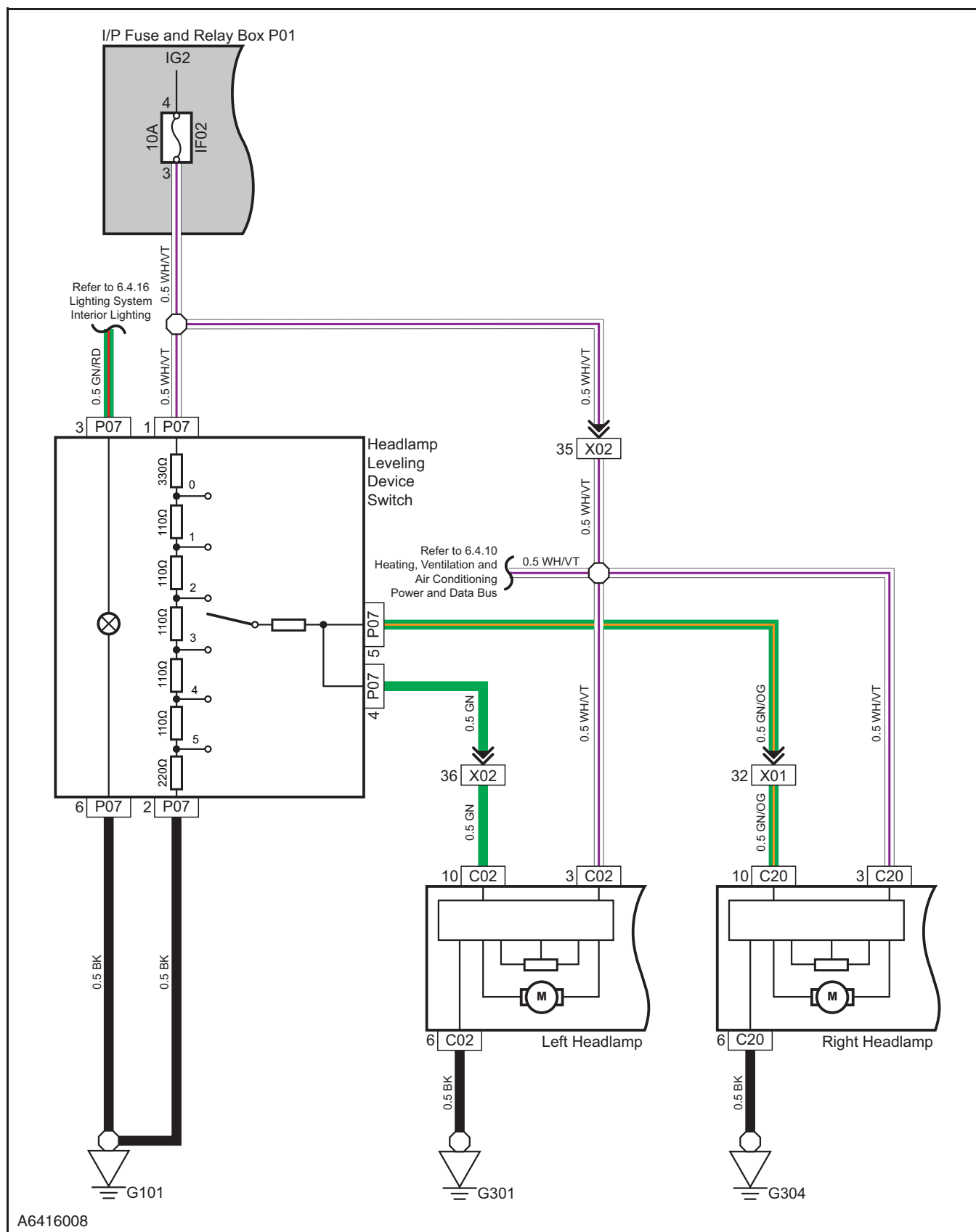
Courtesy Lamps/ Trunk Lamp/ Dome Lamps



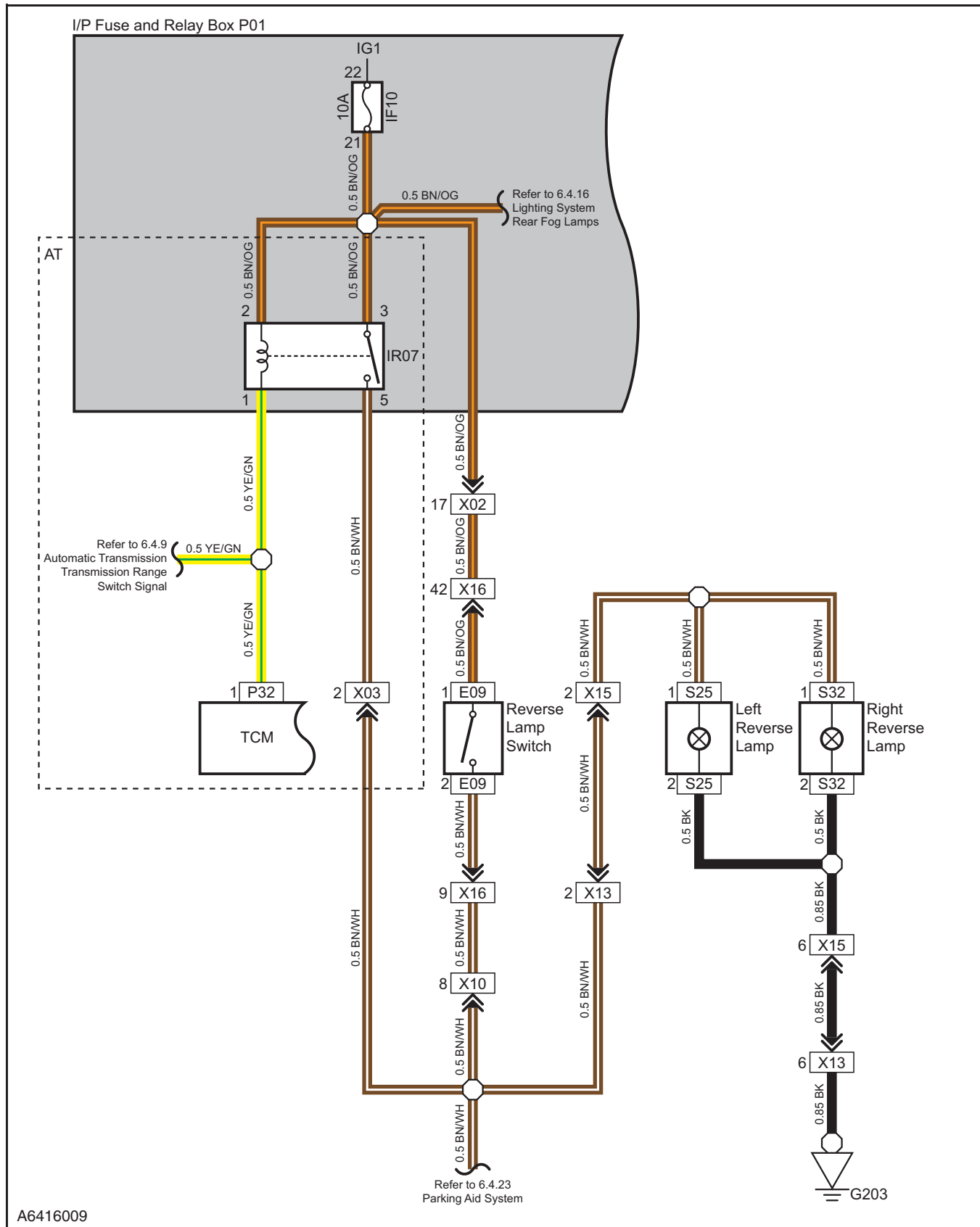
Interior Lighting



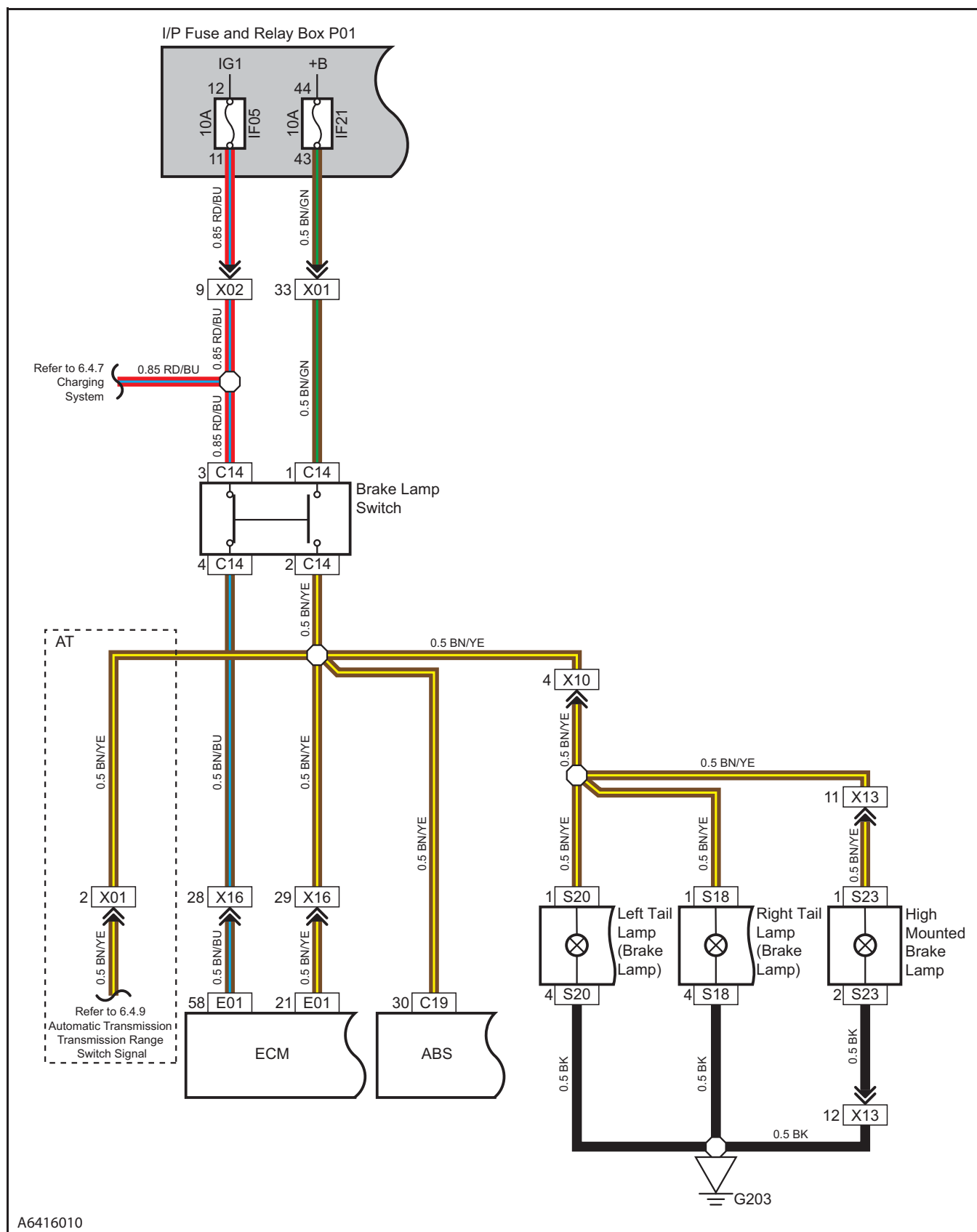
Headlamp Leveling Device



Reverse Lamps

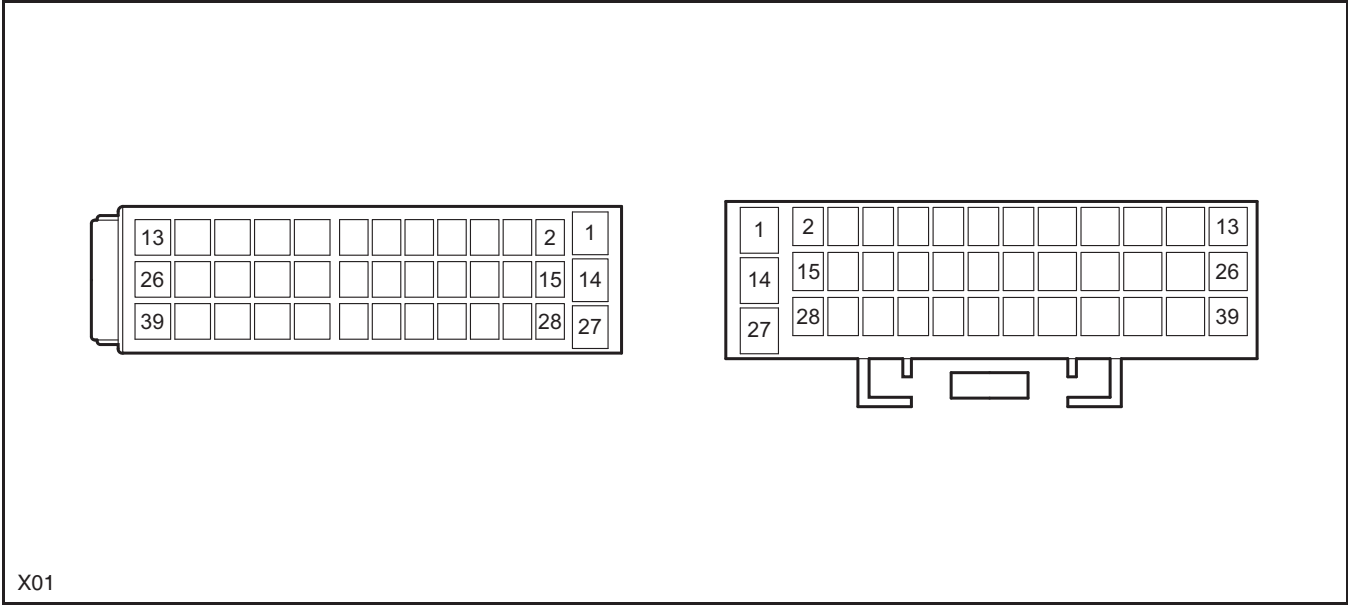


Brake Lamps



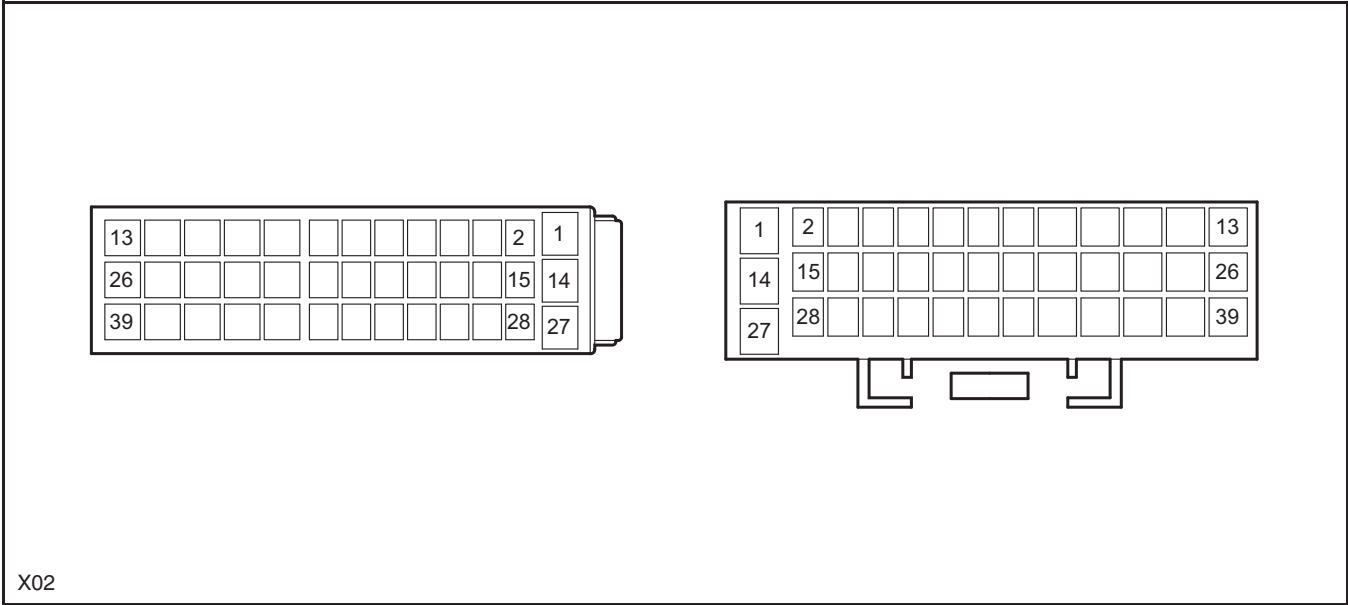
I/P Harness to Engine Compartment Harness Connector A

Engine Compartment Harness to I/P Harness Connector A



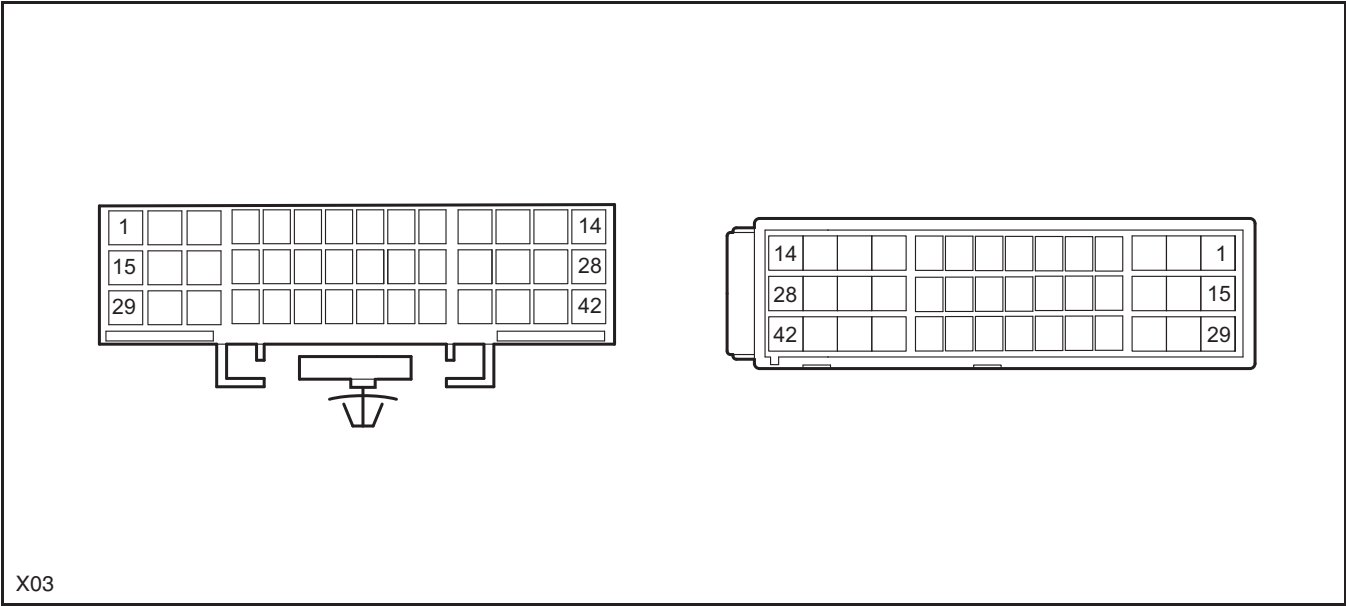
I/P Harness to Engine Compartment Harness Connector B

Engine Compartment Harness to I/P Harness Connector B



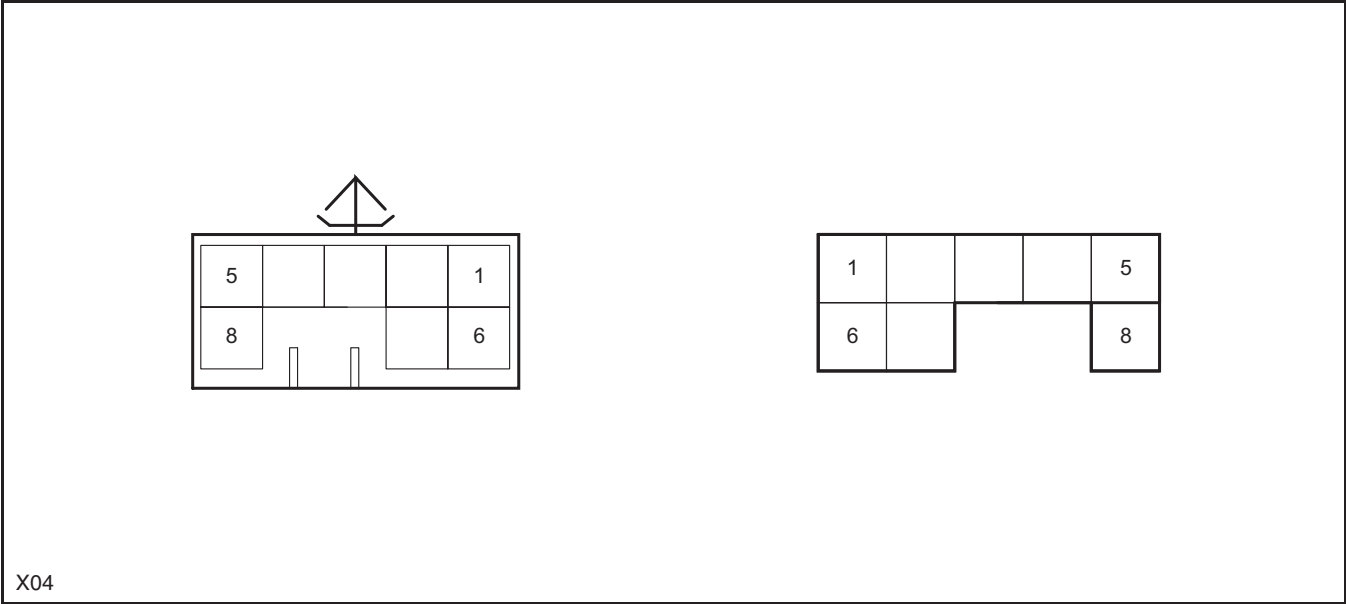
I/P Harness to Floor Harness Connector A

Floor Harness to I/P Harness Connector A



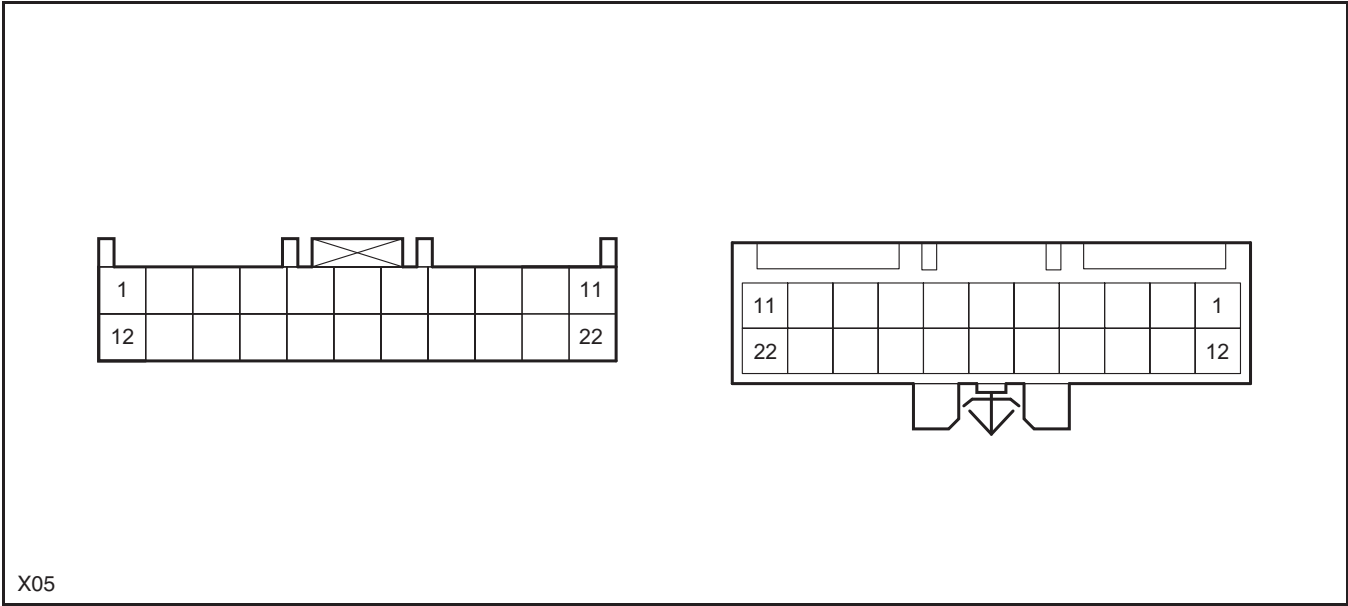
I/P Harness to Headliner Harness Connector

Headliner Harness to I/P Harness Connector



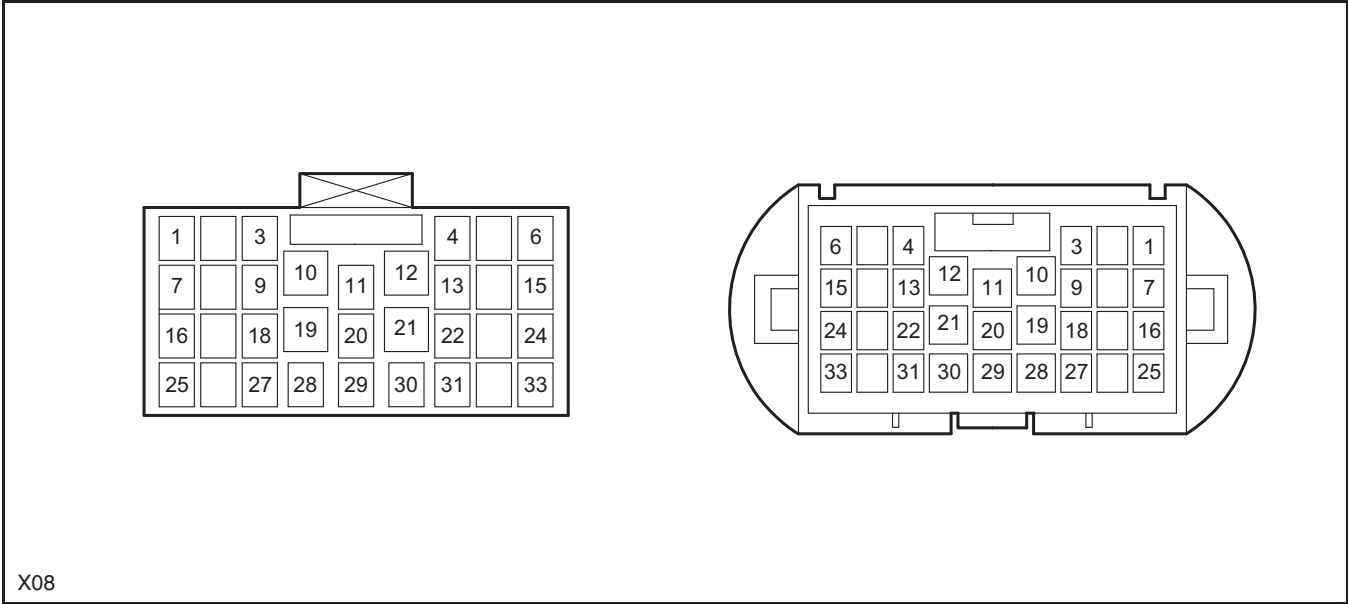
I/P Harness to Floor Harness Connector B

Floor Harness to I/P Harness Connector B



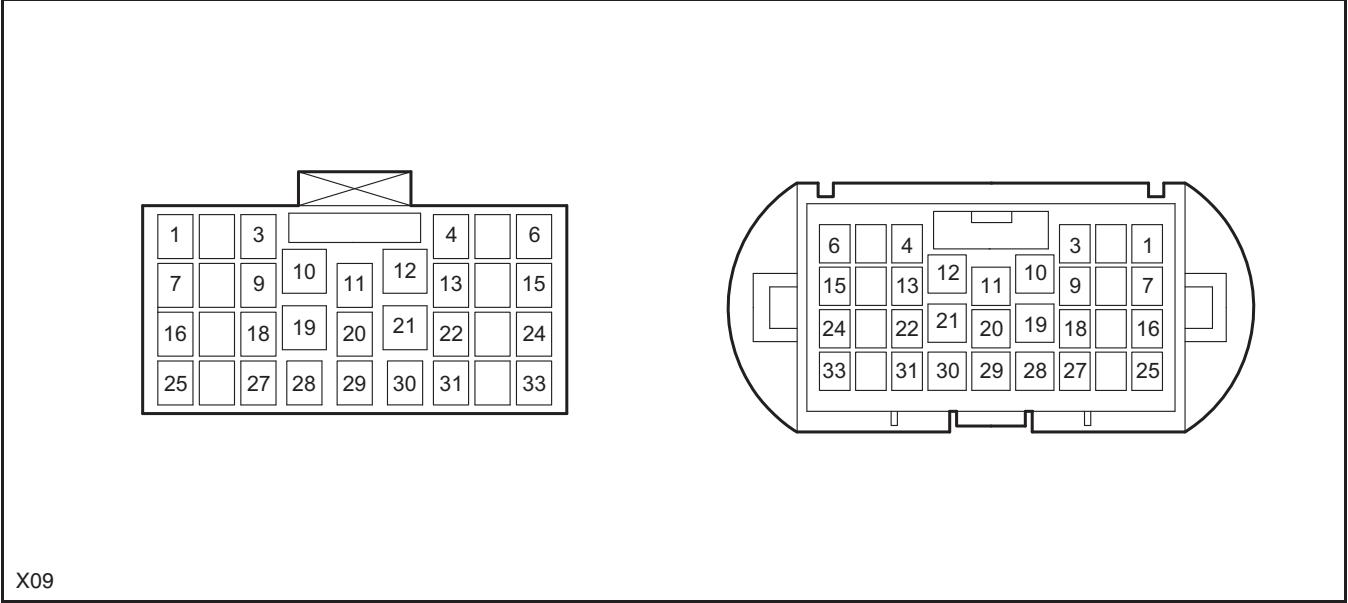
Floor Harness to Right Front Door Harness Connector

Right Front Door Harness to Floor Harness Connector



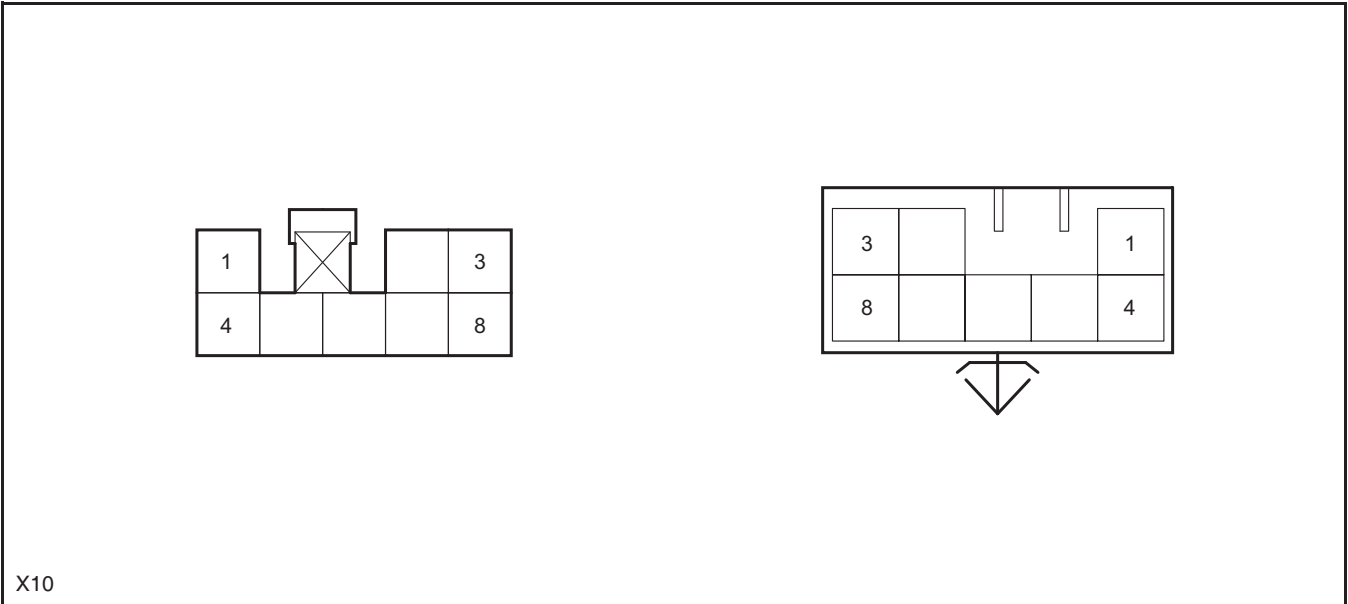
Floor Harness to Left Front Door Harness Connector

Left Front Door Harness to Floor Harness Connector



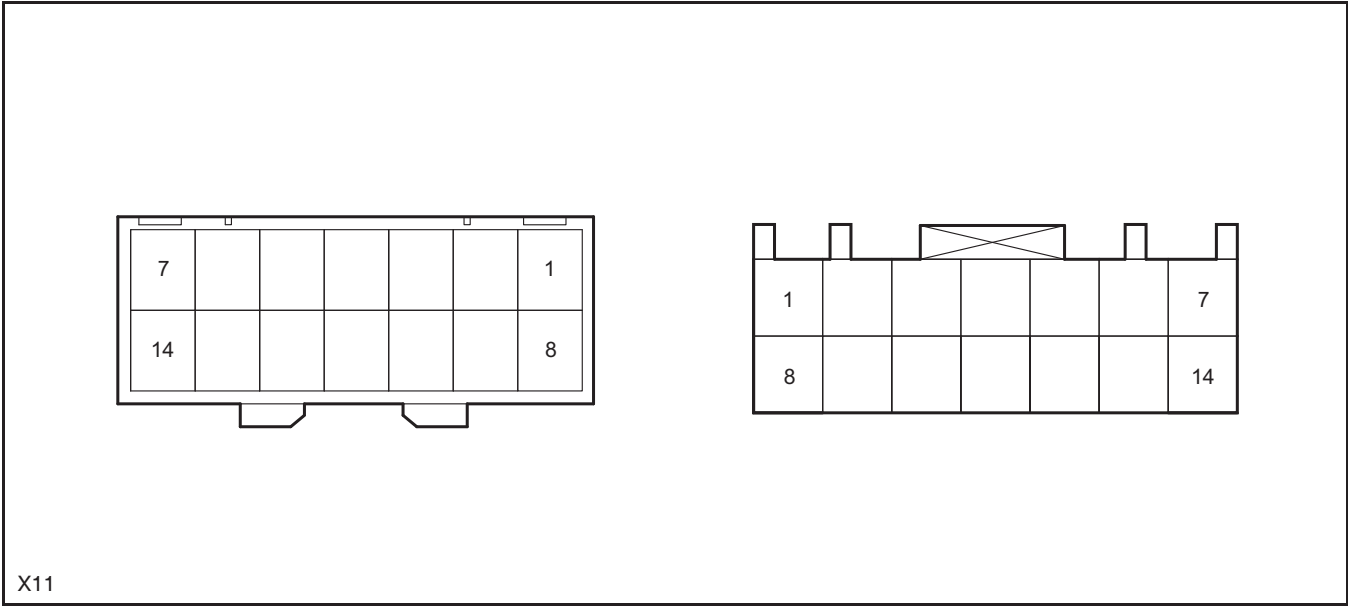
Floor Harness to Engine Compartment Harness Connector

Engine Compartment Harness to Floor Harness Connector



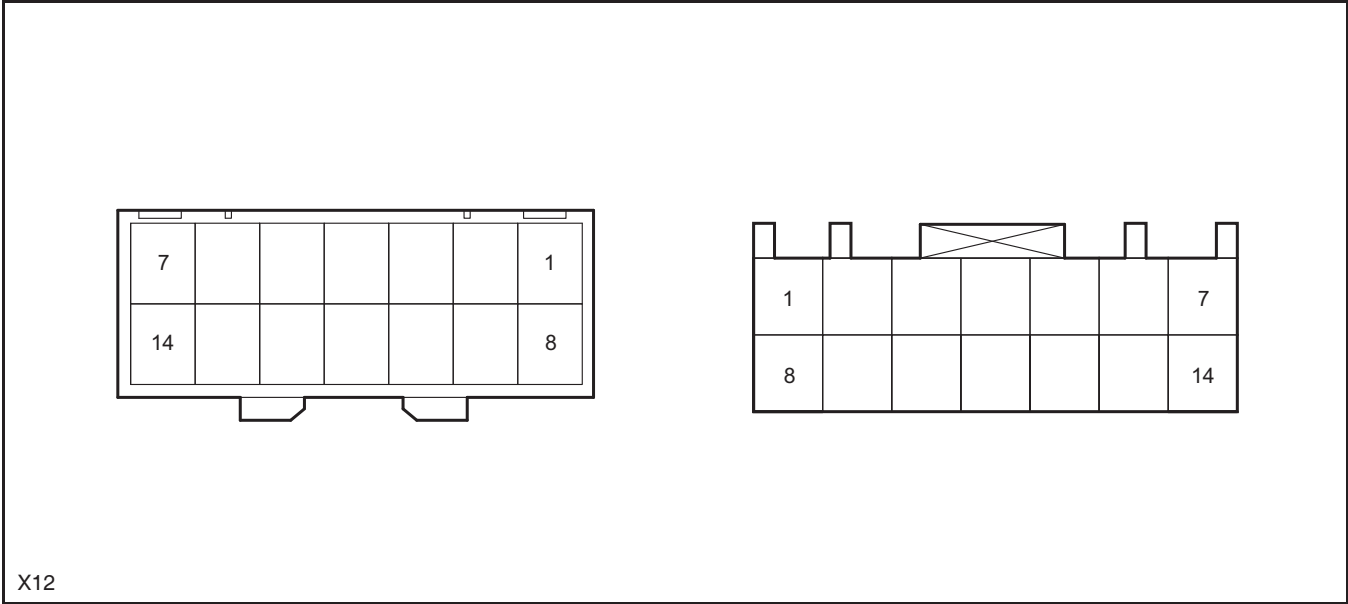
Floor Harness to Left Rear Door Harness Connector

Left Rear Door Harness to Floor Harness Connector



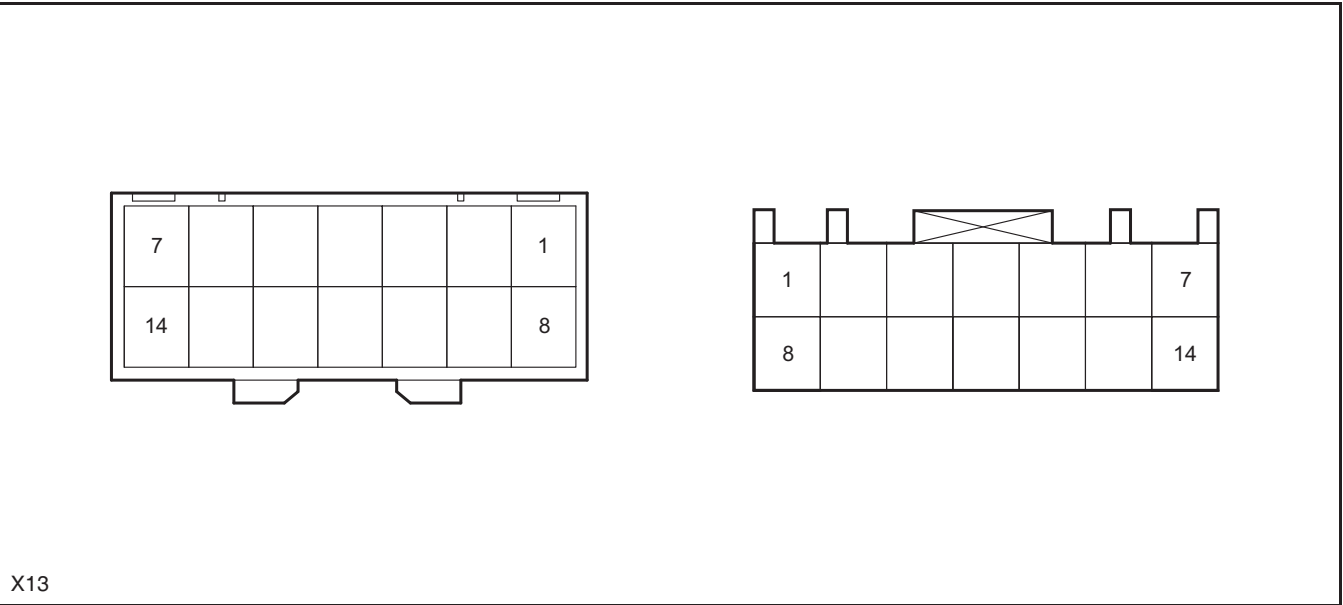
Floor Harness to Right Rear Door Harness Connector

Right Rear Door Harness to Floor Harness Connector



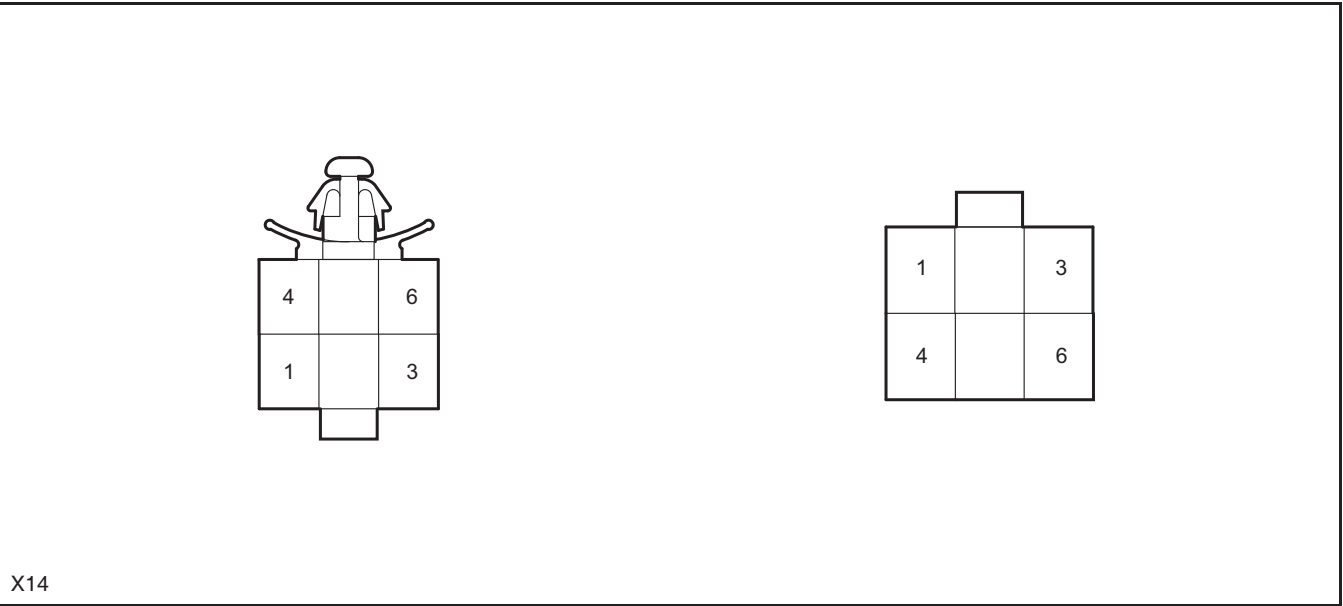
Floor Harness to Tailgate Extended Harness Connector

Tailgate Extended Harness to Floor Harness Connector



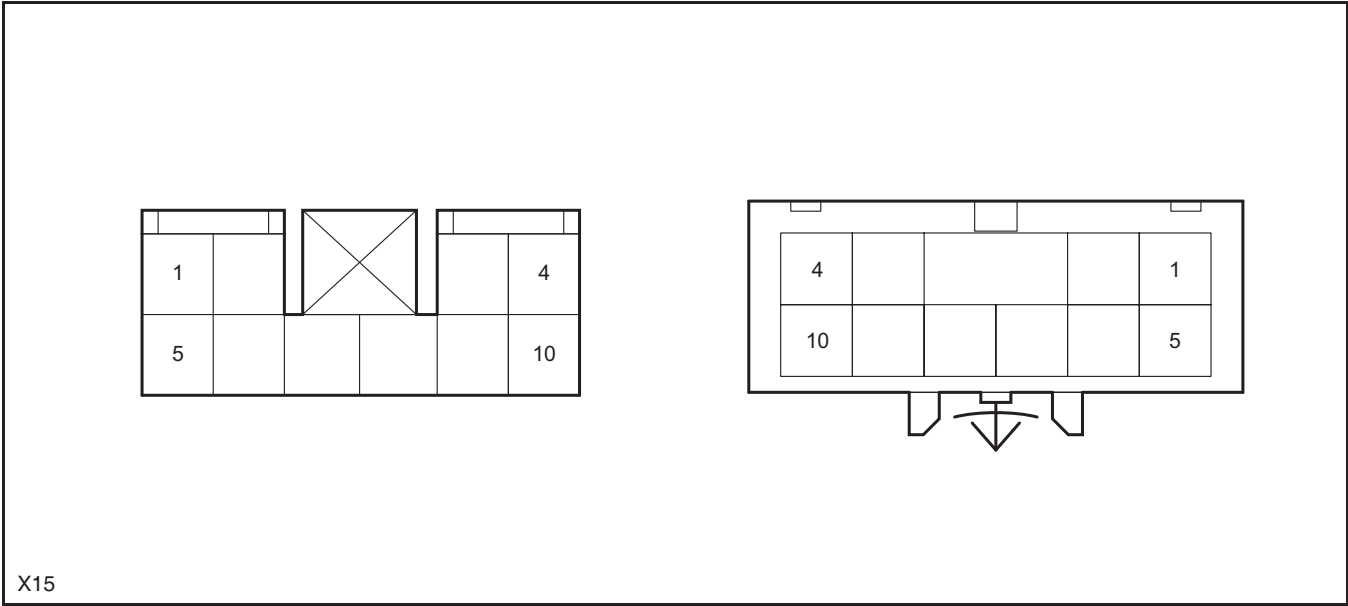
Floor Harness to Rear Bumper Harness Connector

Rear Bumper Harness to Floor Harness Connector



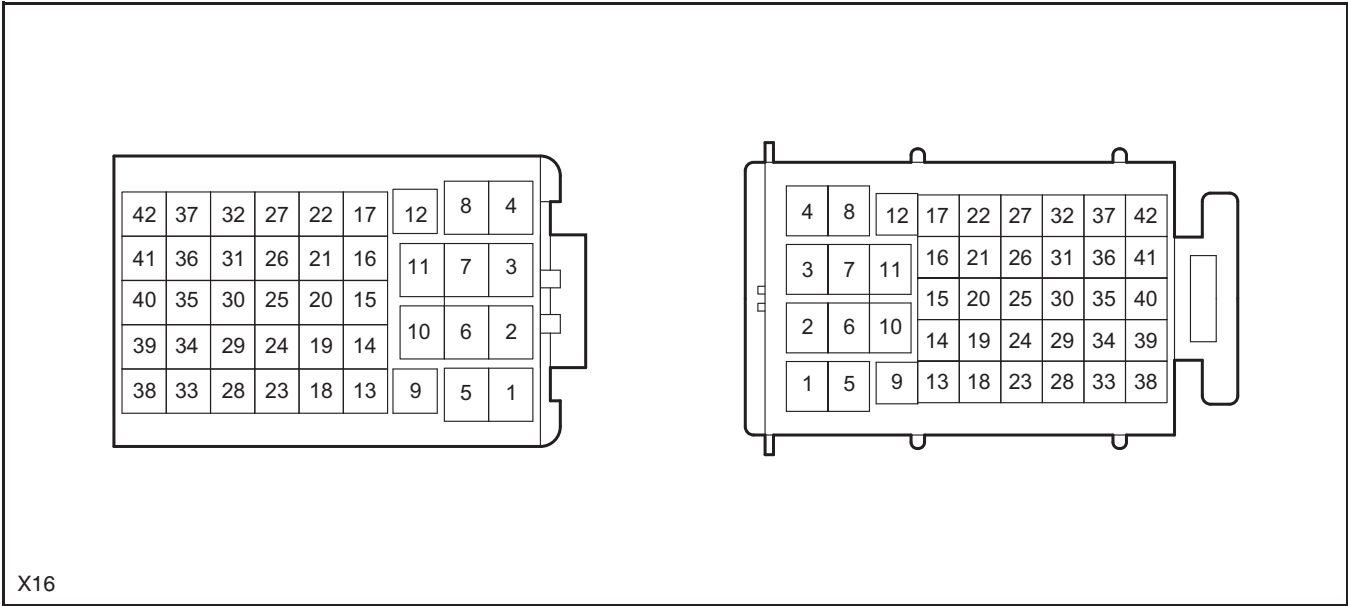
Floor Harness to Tailgate Harness Connector

Tailgate Harness to Floor Harness Connector

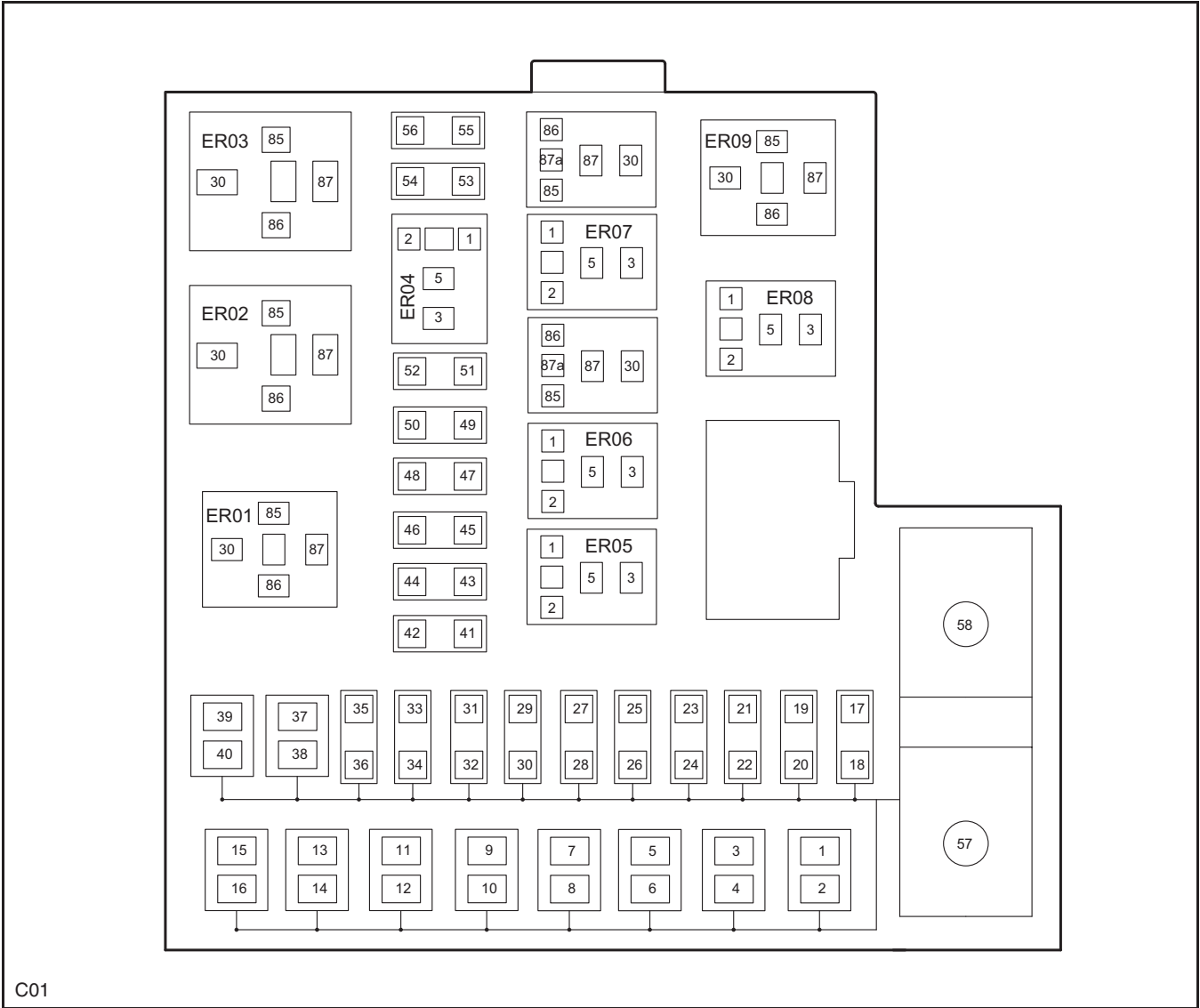


Engine Compartment Harness to Engine Harness Connector

Engine Harness to Engine Compartment Harness Connector

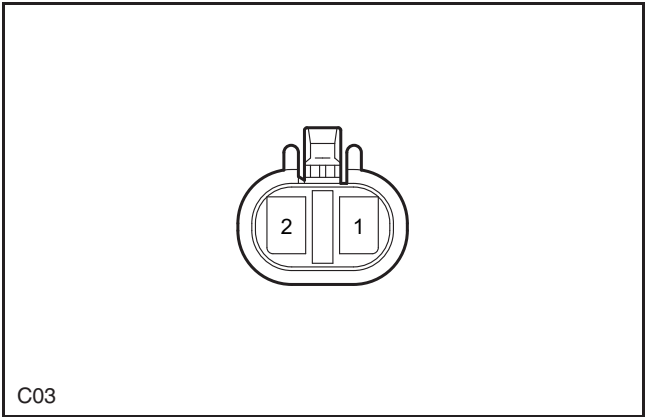
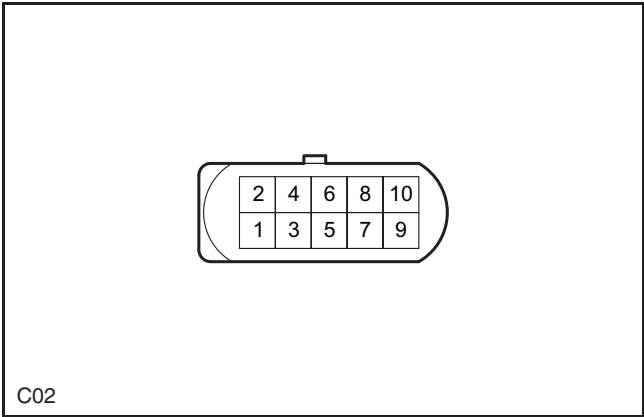


Engine Compartment Fuse and Relay Box

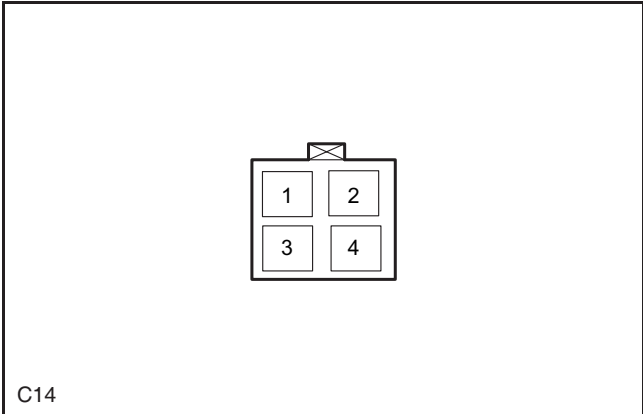


Left Headlamp Connector

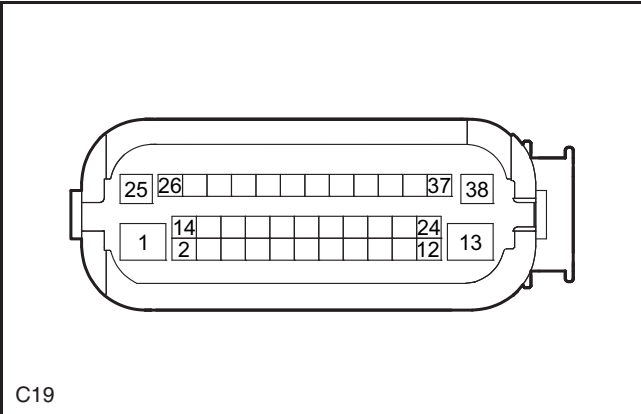
Left Front Fog Lamp Connector



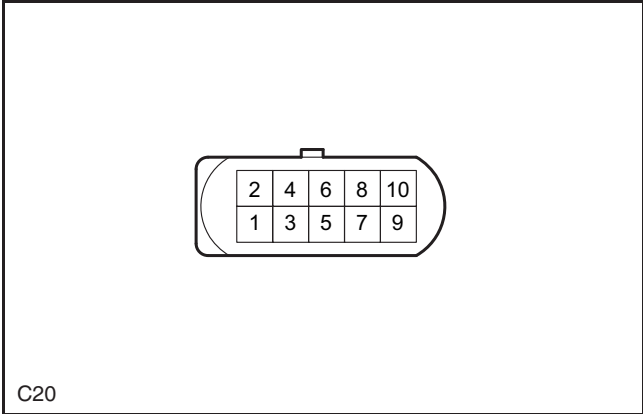
Brake Lamp Switch Connector



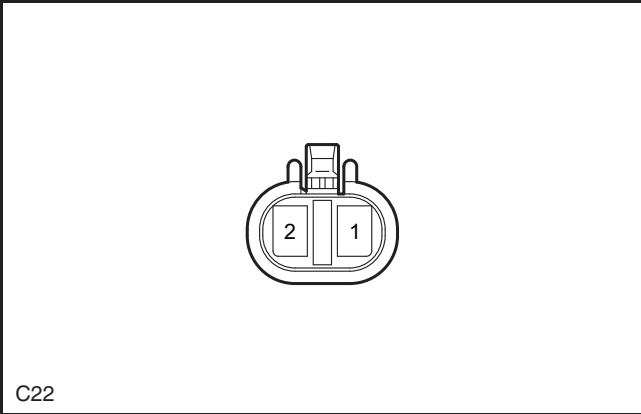
ABS Connector



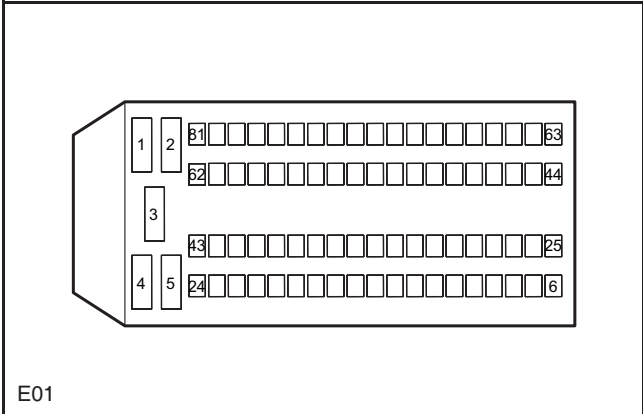
Right Headlamp Connector



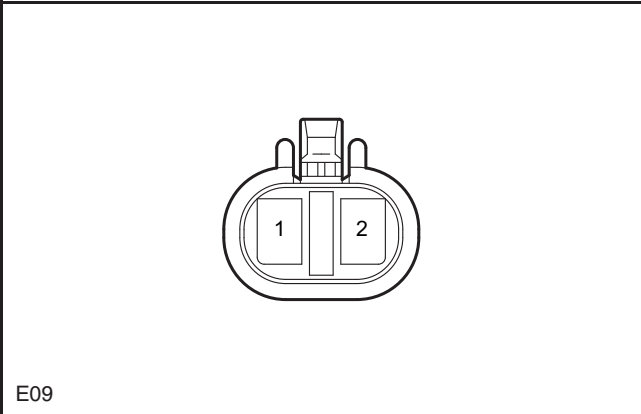
Right Front Fog Lamp Connector



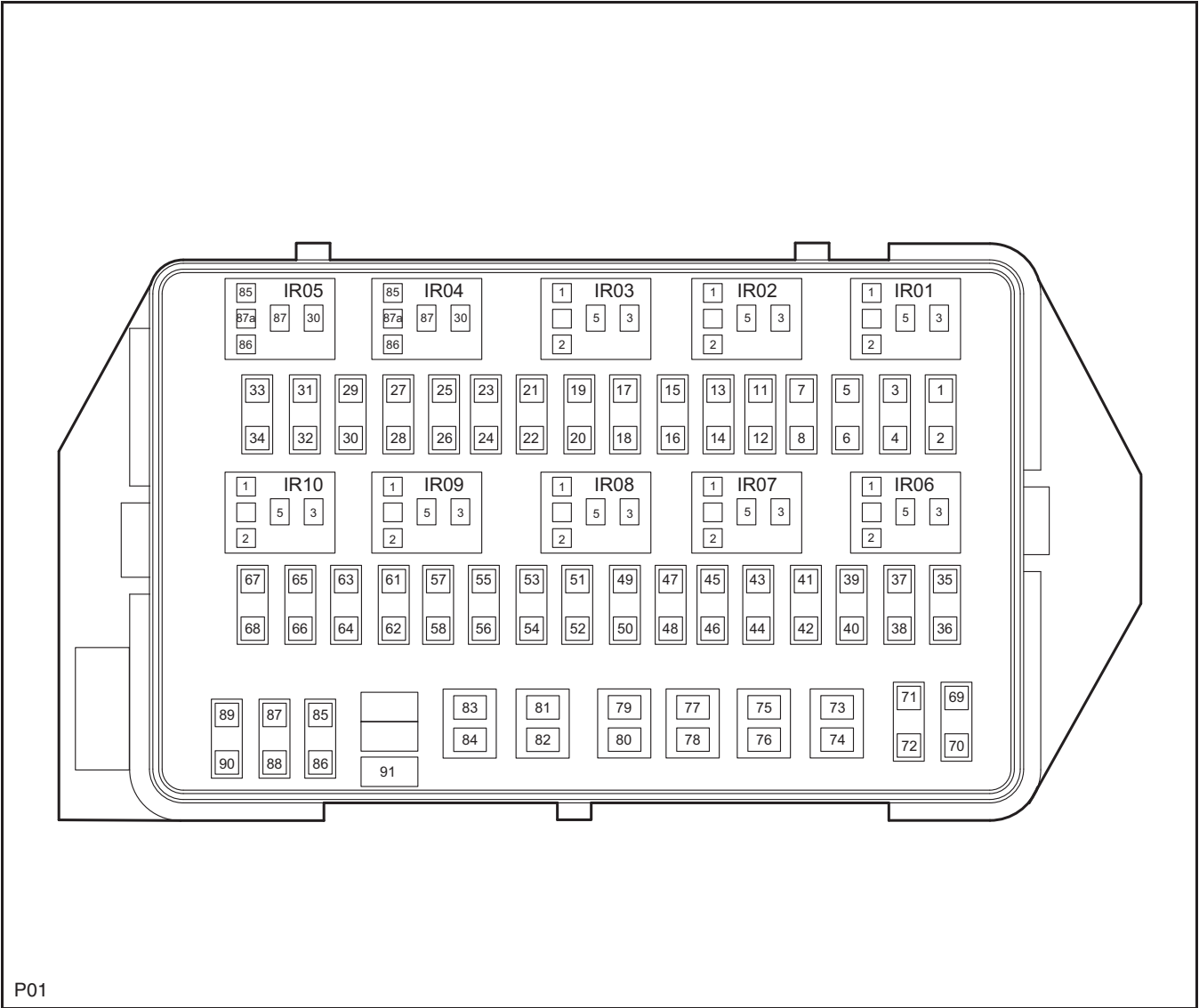
ECM Connector



Reverse Lamp Switch Connector



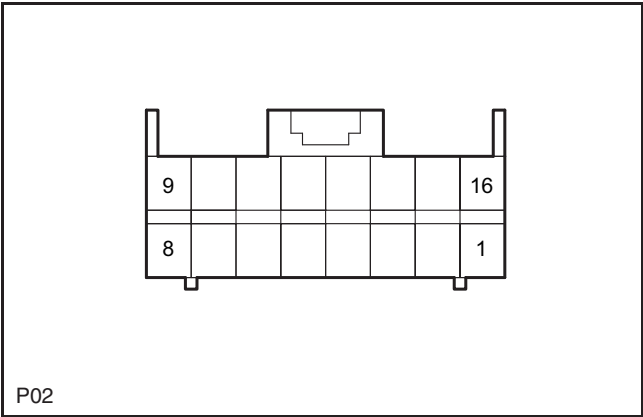
I/P Fuse and Relay Box



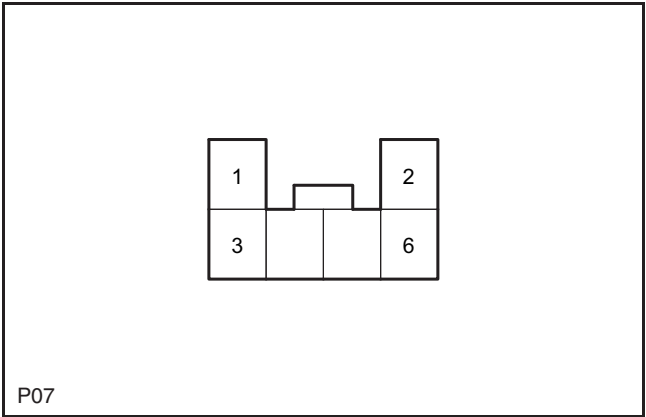
P01

Lighting Combination Switch Connector

Headlamp Leveling Device Switch Connector

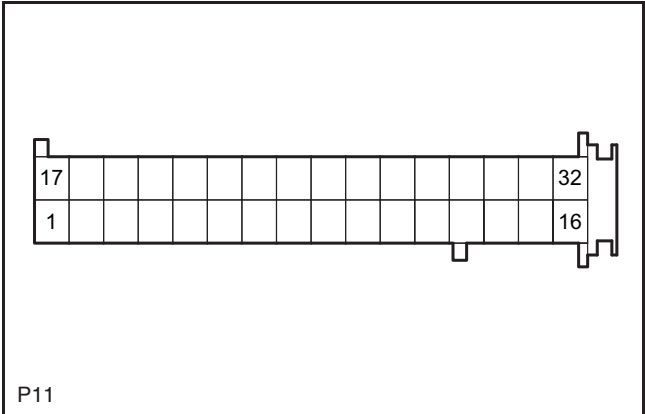


P02

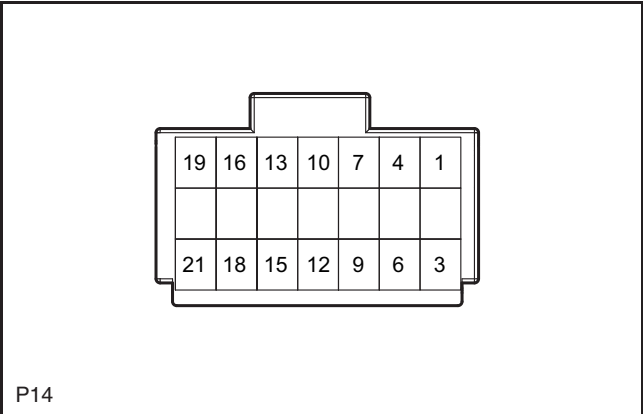


P07

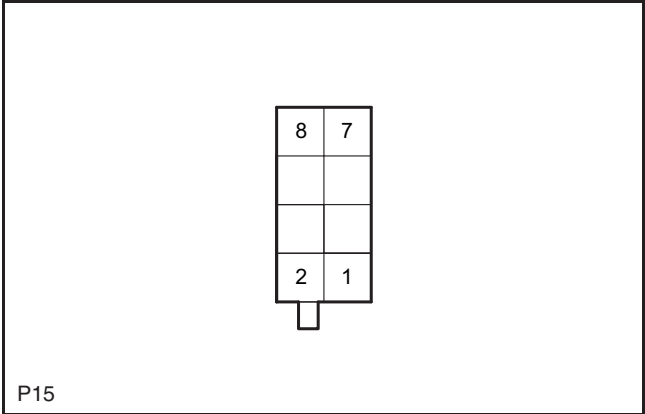
IPC Connector



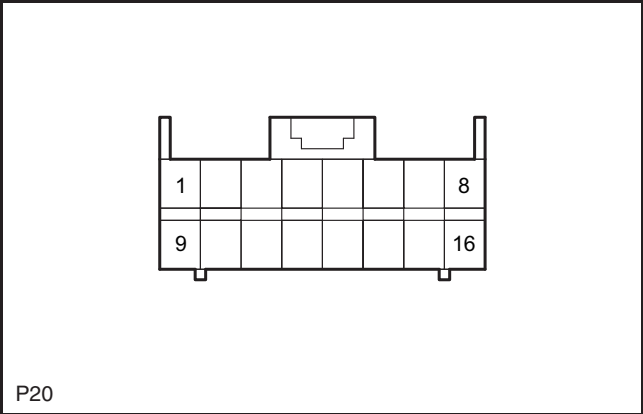
BCM Connector A



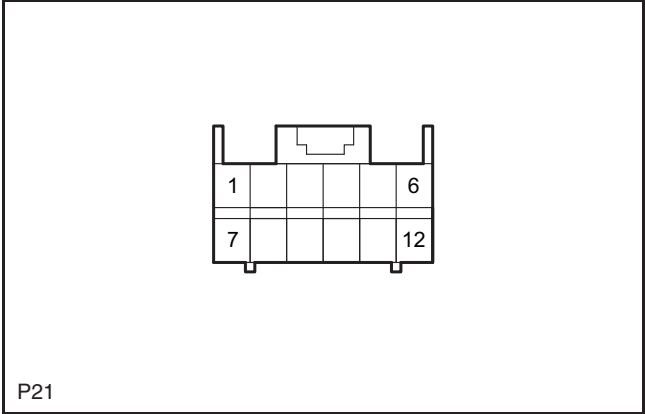
CD Connector A



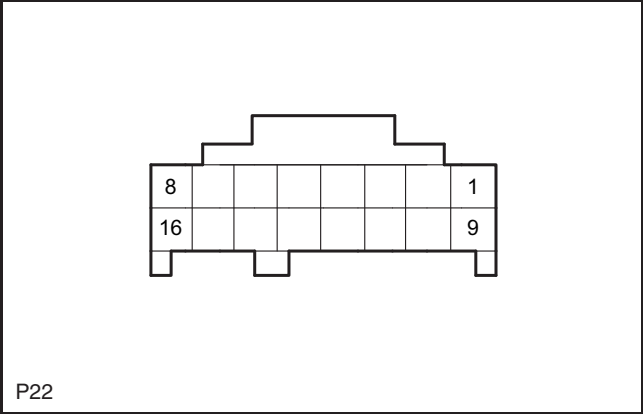
A/C Control Panel Connector A



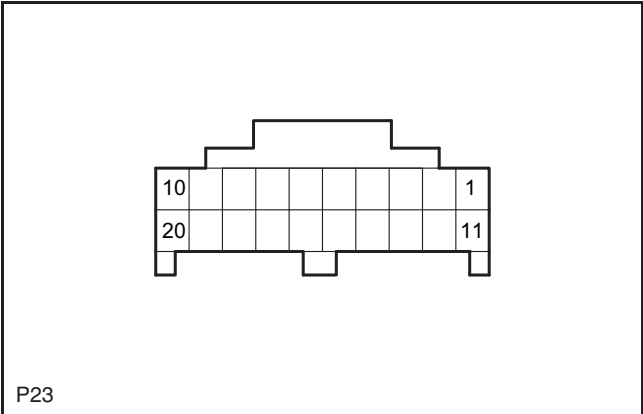
A/C Control Panel Connector B



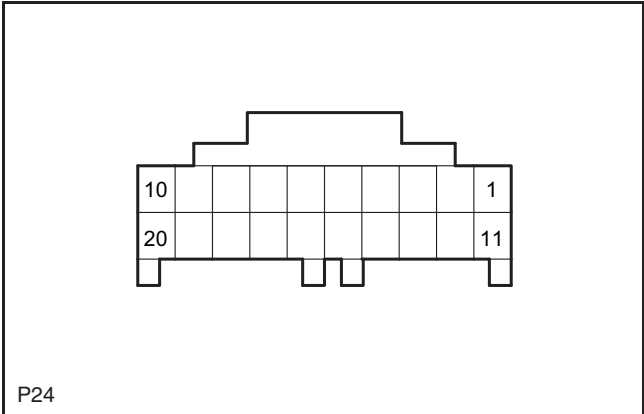
BCM Connector B



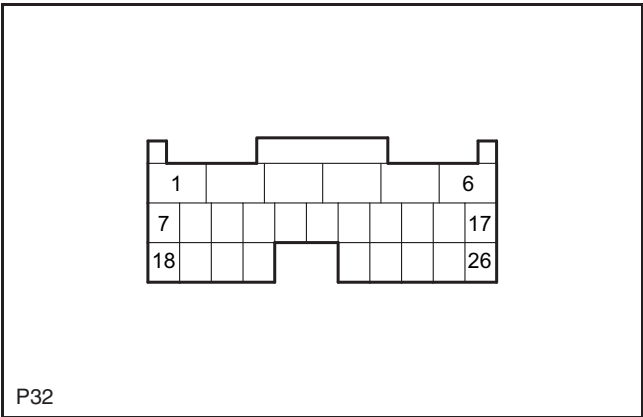
BCM Connector C



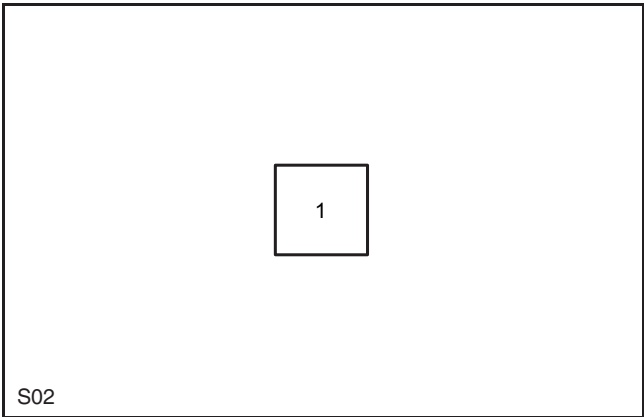
BCM Connector D



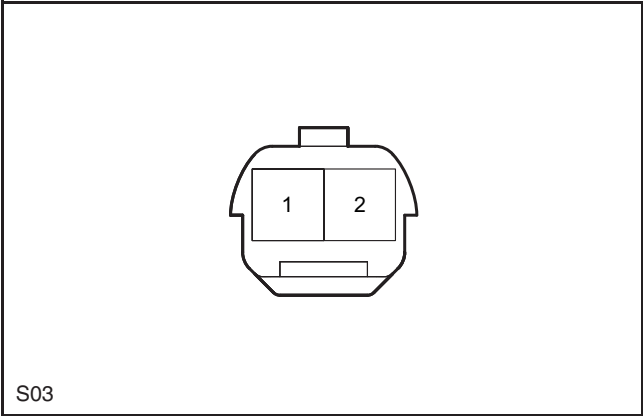
TCM Connector B



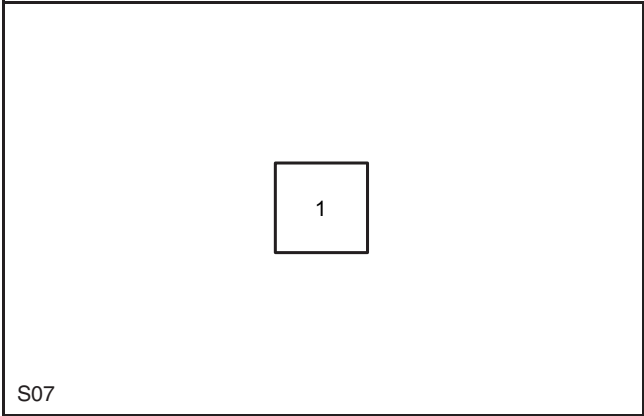
Passenger Side Door Contact Switch Connector



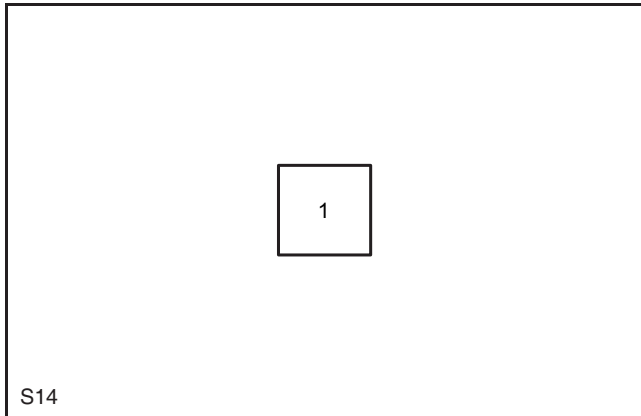
Cup Bracket Lamp Connector



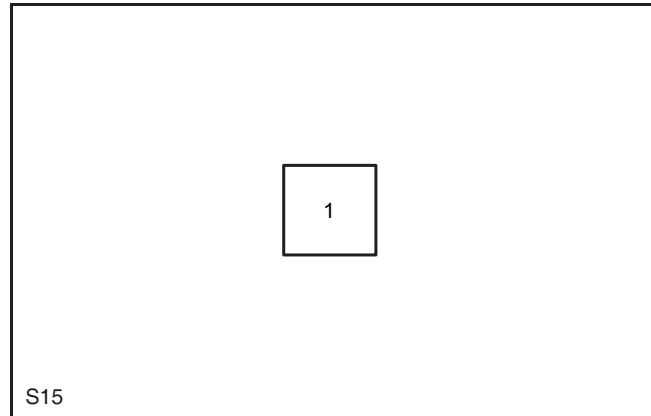
Driver Side Door Contact Switch Connector



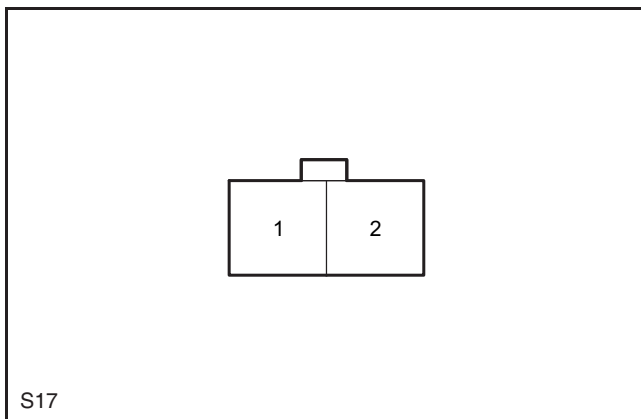
Left Rear Door Contact Switch Connector



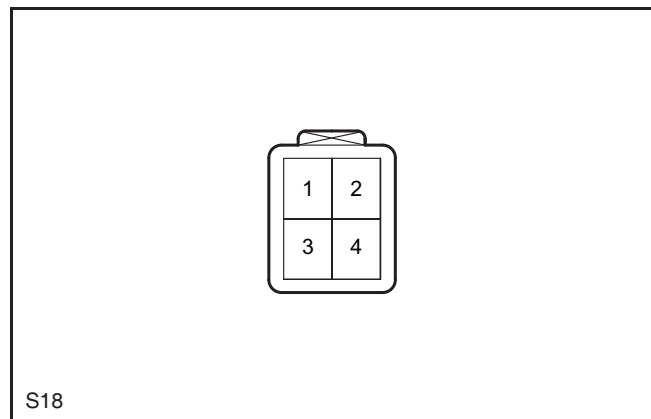
Right Rear Door Contact Switch Connector



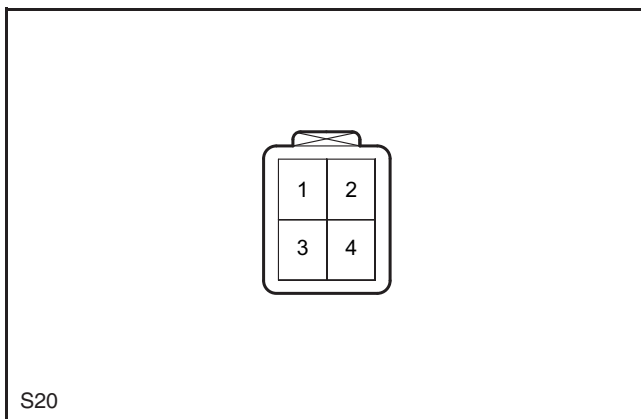
Trunk Lamp Connector



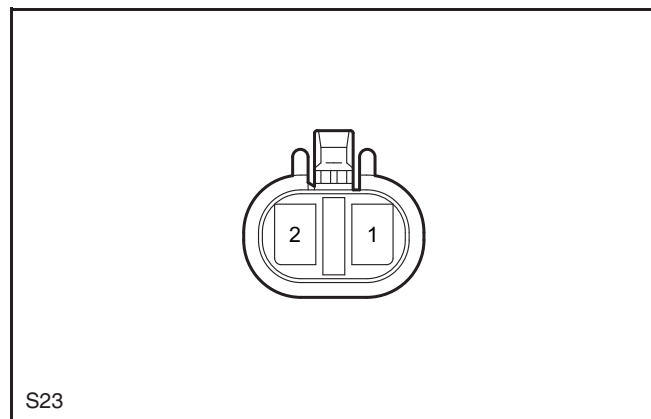
Right Tail Lamp Connector



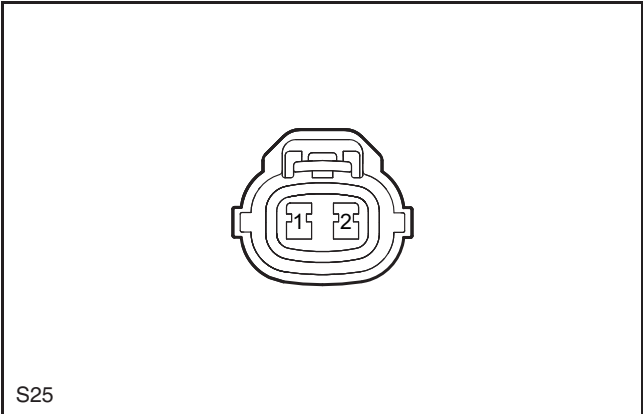
Left Tail Lamp Connector



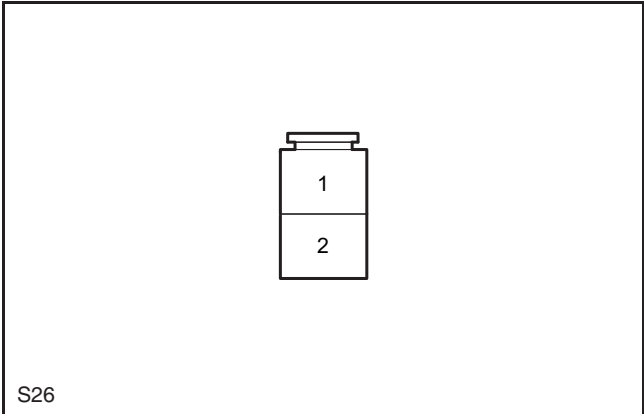
High Mounted Brake Lamp Connector



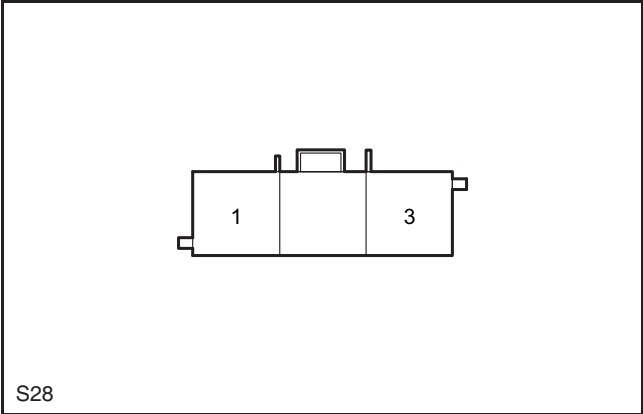
Left Reverse Lamp Connector



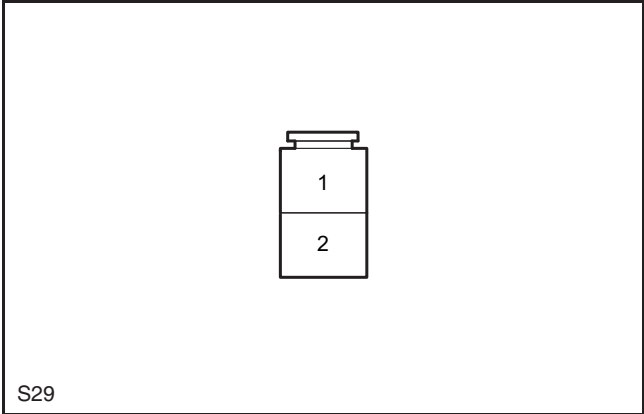
Left License Plate Lamp Connector



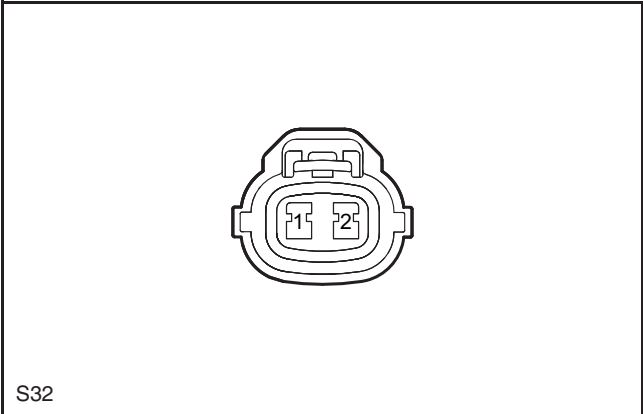
Tailgate Door Lock Motor Connector



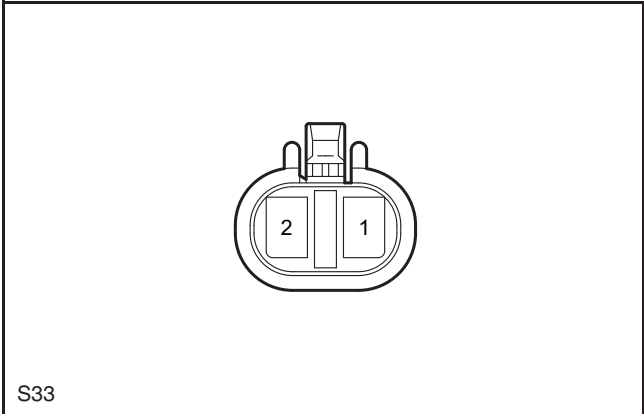
Right License Plate Lamp Connector



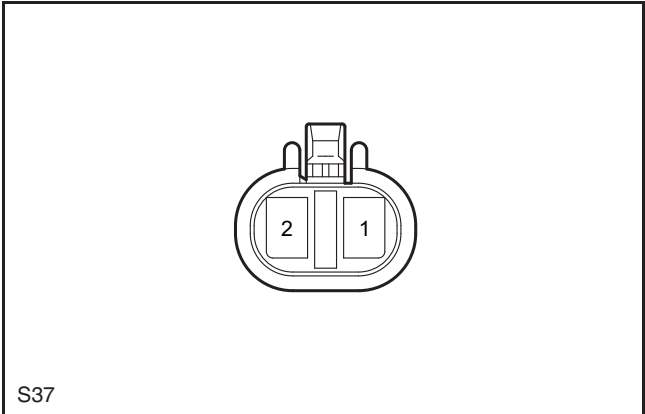
Right Reverse Lamp Connector



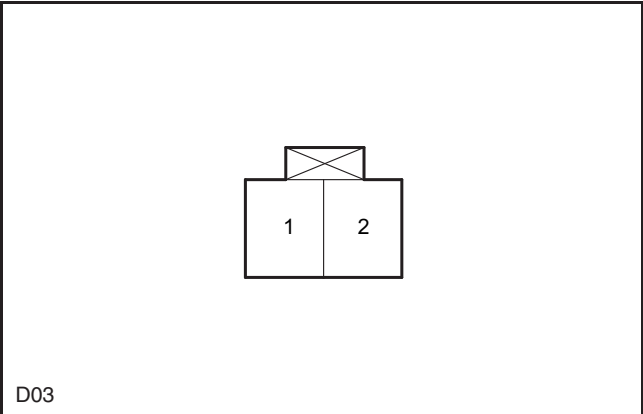
Left Rear Fog Lamp Connector



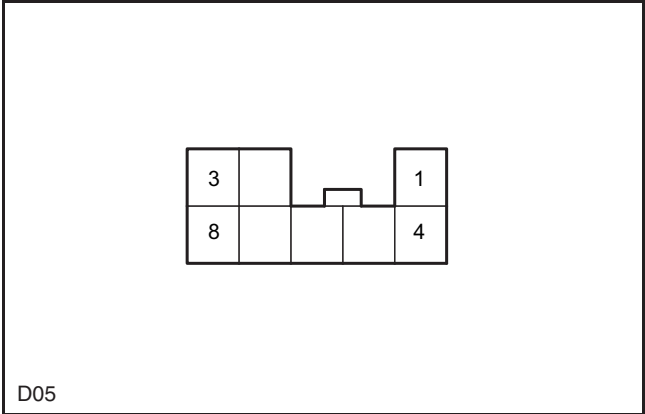
Right Rear Fog Lamp Connector



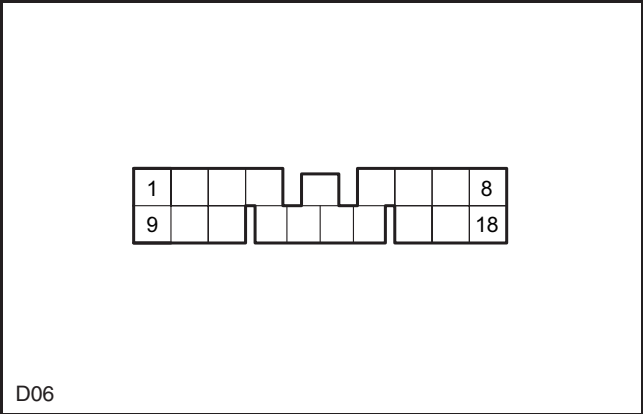
Driver Side Door Courtesy Lamp Connector



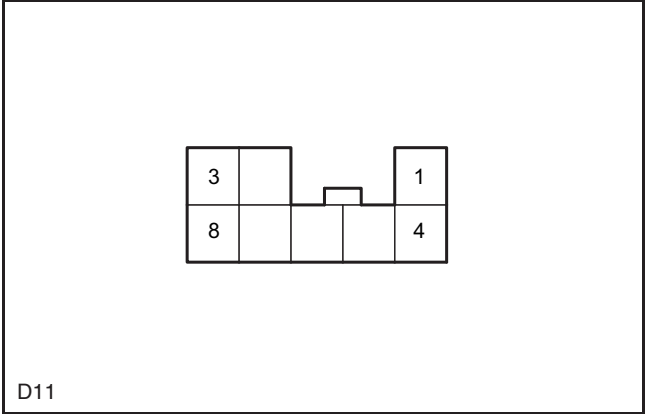
Left Power Rearview Mirror Connector



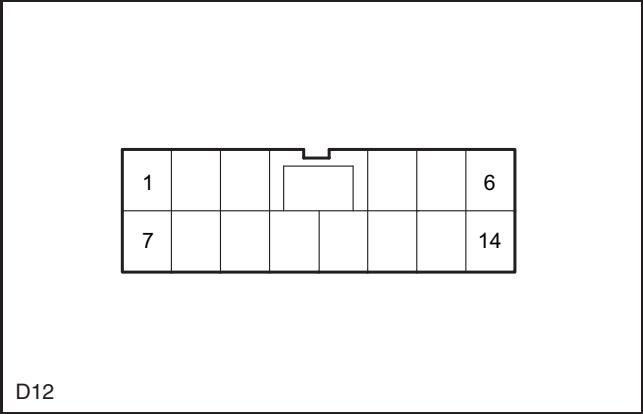
Driver Side Power Window Switch Connector



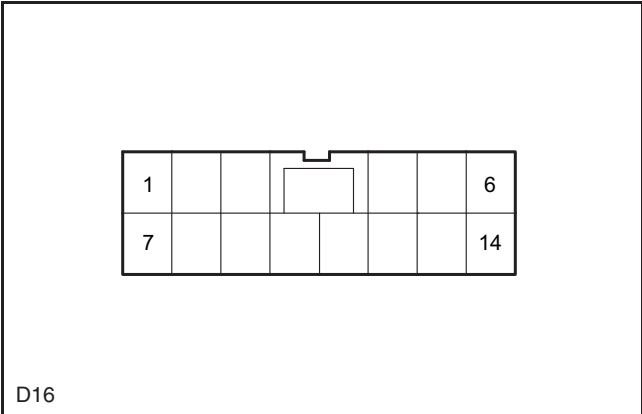
Right Power Rearview Mirror Connector



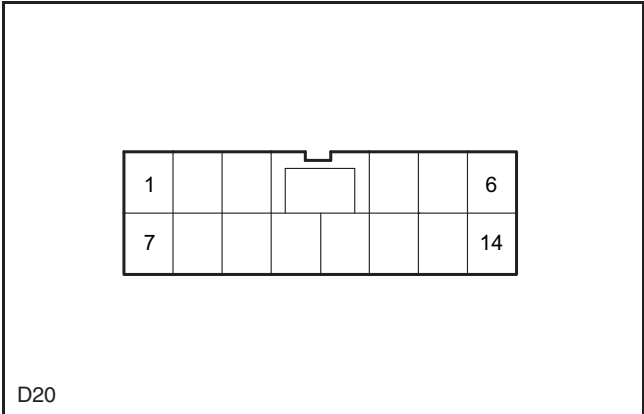
Passenger Side Power Window Switch Connector



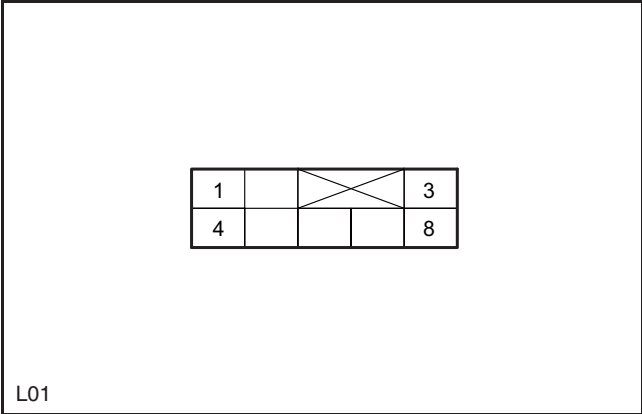
Left Rear Power Window Switch Connector



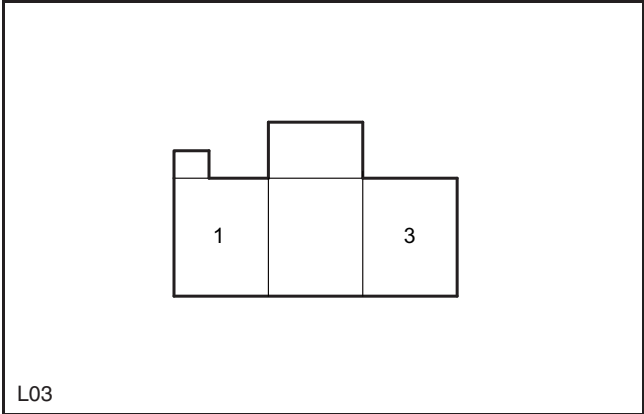
Right Rear Power Window Switch Connector



Front Dome Lamp Switch Connector



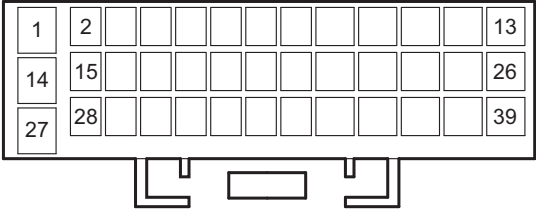
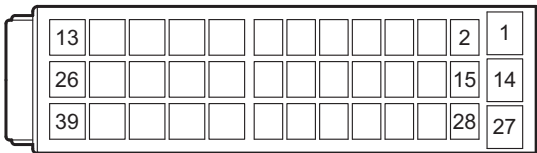
Rear Dome Lamp Connector





I/P Harness to Engine Compartment Harness Connector A

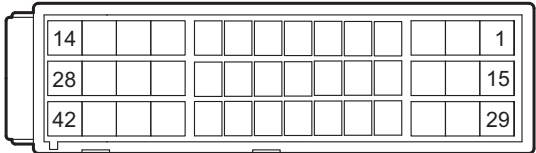
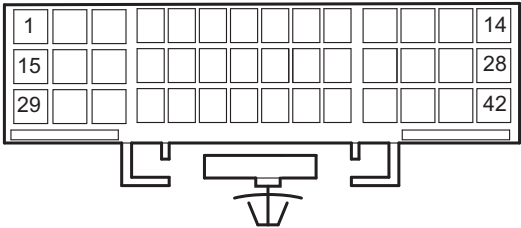
Engine Compartment Harness to I/P Harness Connector A



X01

I/P Harness to Floor Harness Connector A

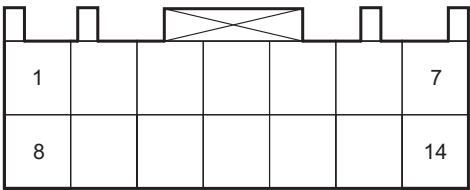
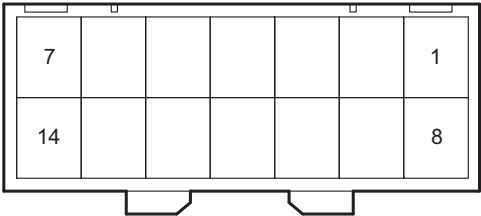
Floor Harness to I/P Harness Connector A



X03

Floor Harness to Tailgate Extended Harness Connector

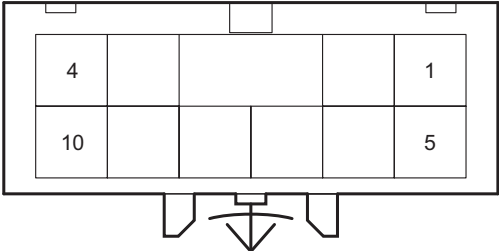
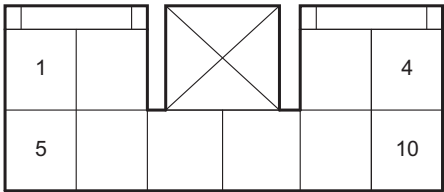
Tailgate Extended Harness to Floor Harness Connector



X13

Floor Harness to Tailgate Harness Connector

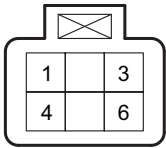
Tailgate Harness to Floor Harness Connector



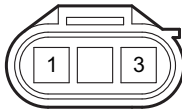
X15

Front Windshield Wiper Motor Connector

Front Windshield Washer Pump Motor Connector

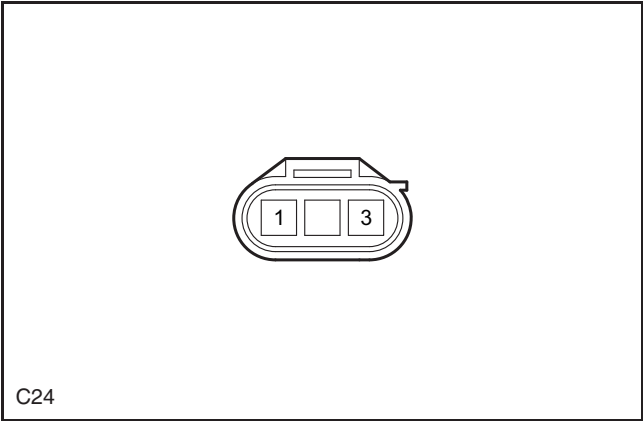


C05

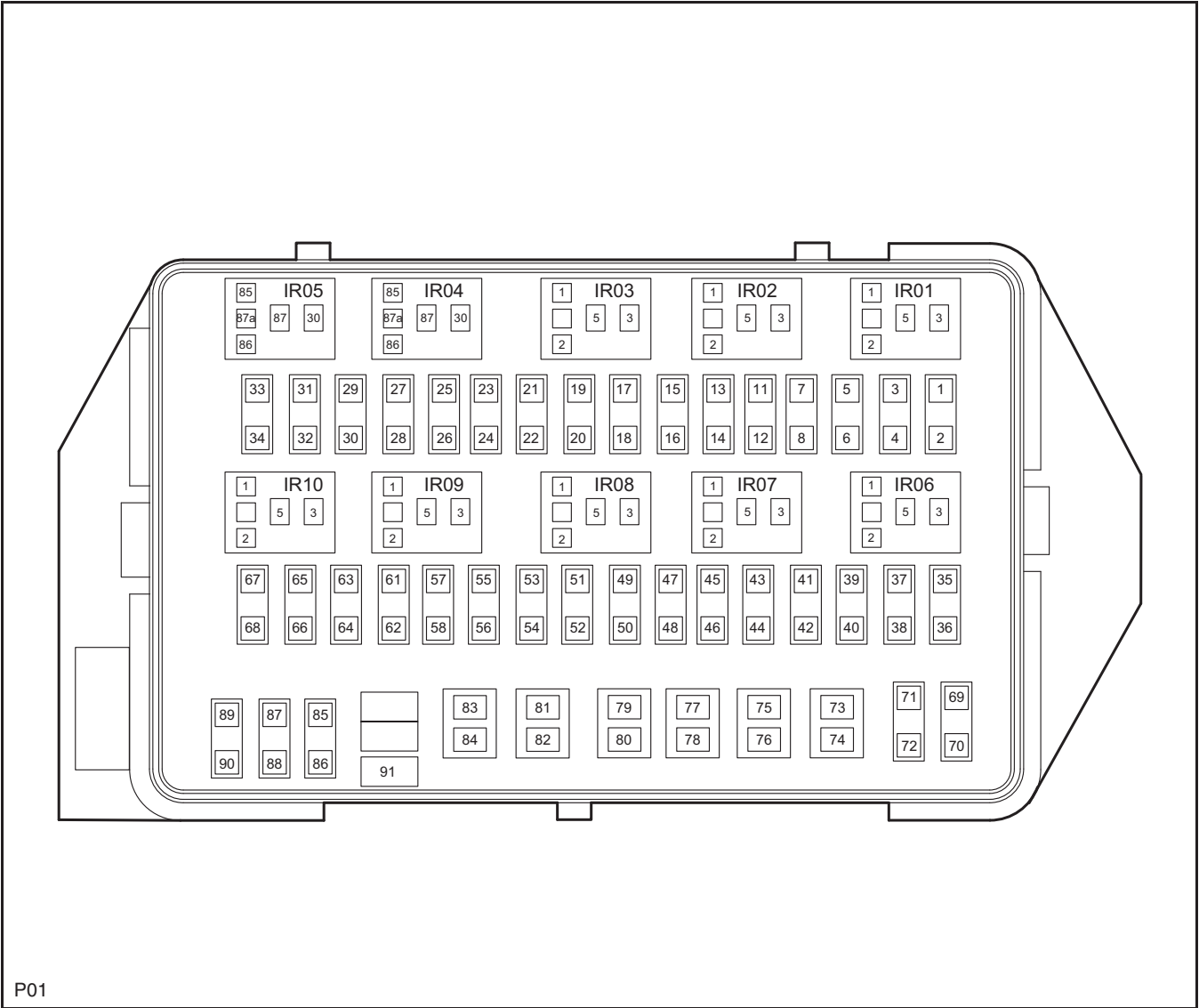


C23

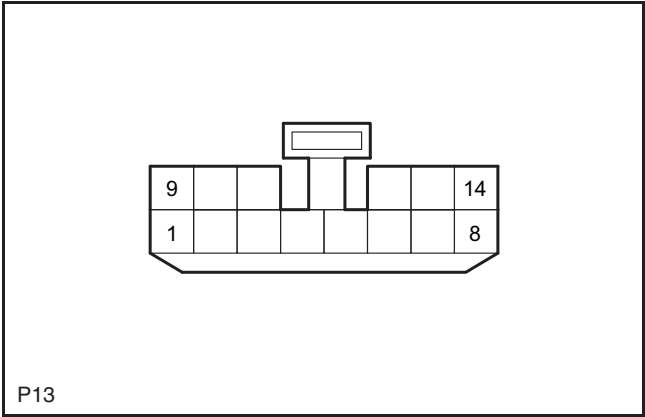
Rear Windshield Washer Pump Motor Connector



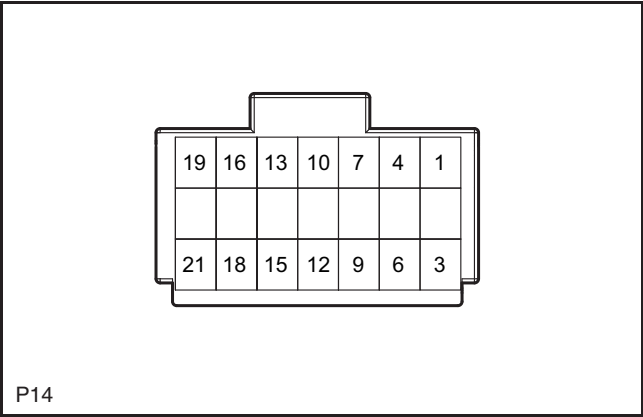
I/P Fuse and Relay Box



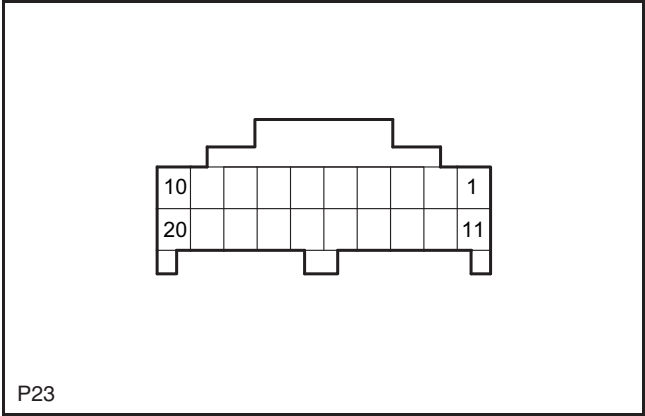
Wiper/Washer Switch Connector



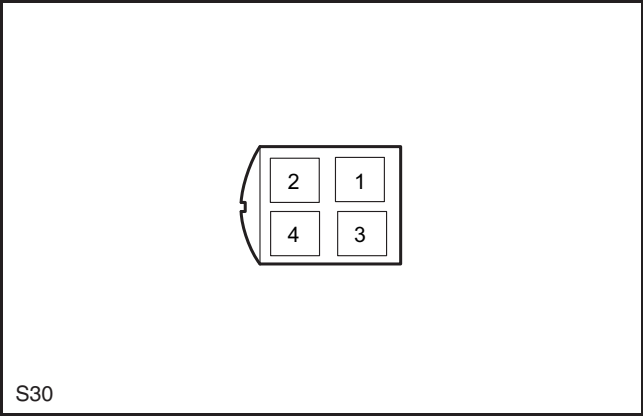
BCM Connector A

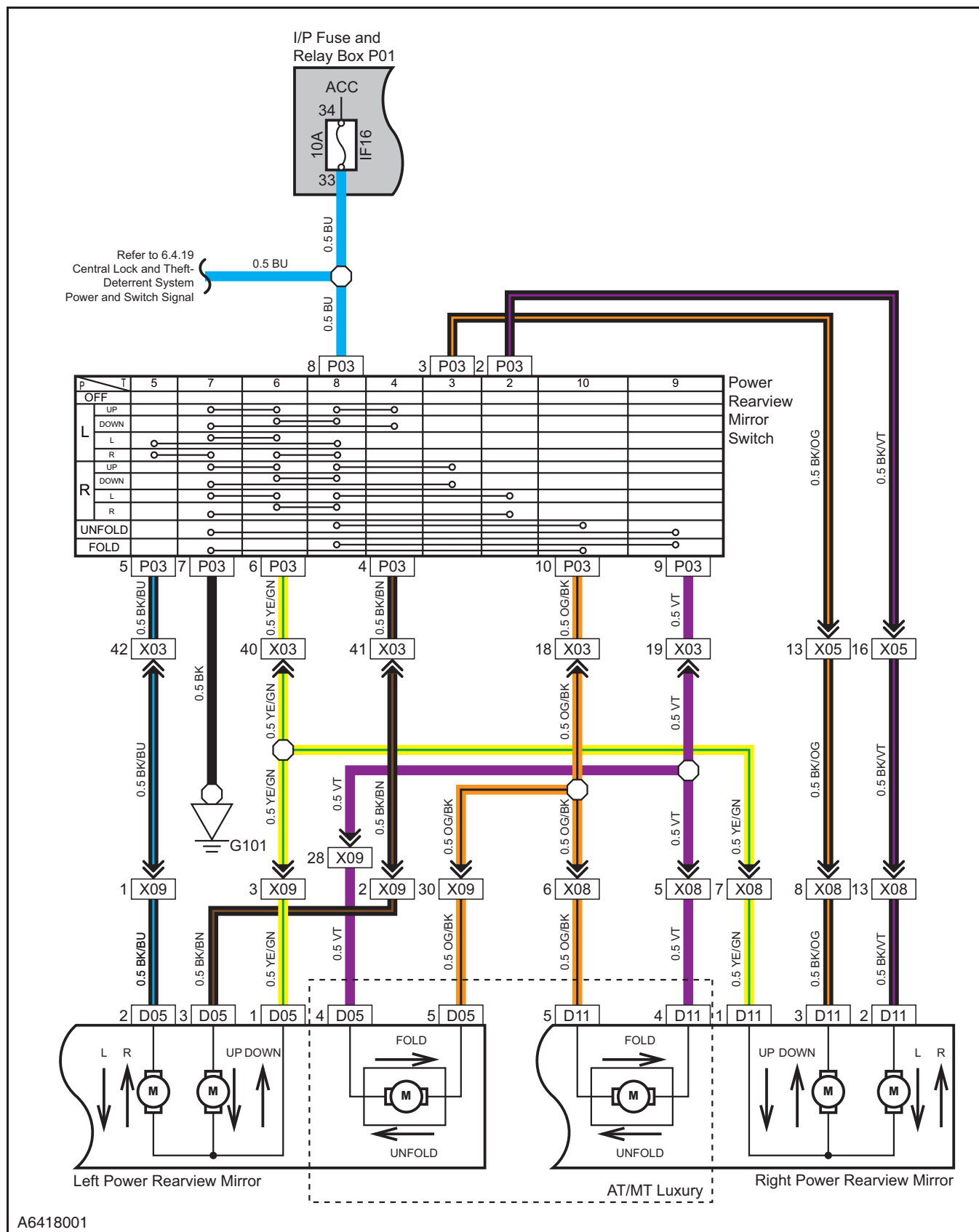


BCM Connector C



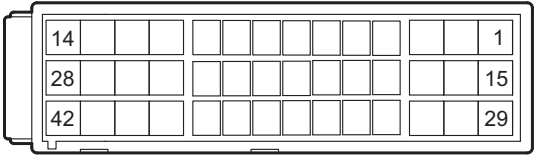
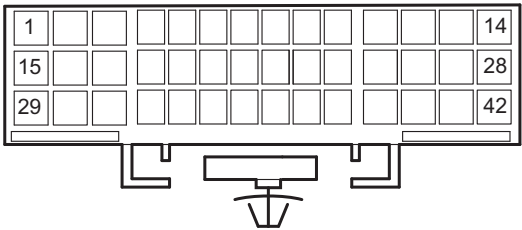
Rear Windshield Wiper Motor Connector





I/P Harness to Floor Harness Connector A

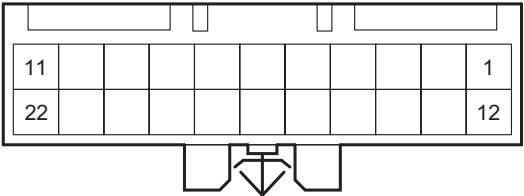
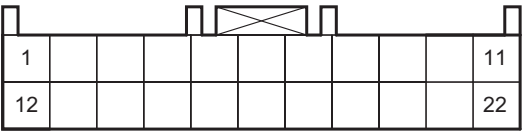
Floor Harness to I/P Harness Connector A



X03

I/P Harness to Floor Harness Connector B

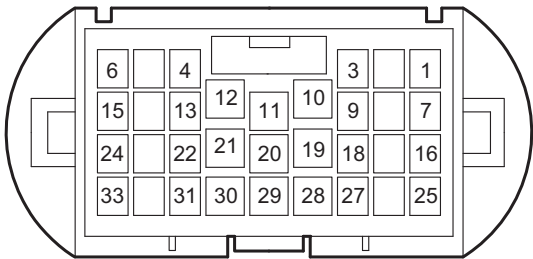
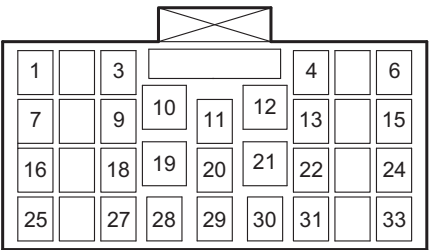
Floor Harness to I/P Harness Connector B



X05

Floor Harness to Right Front Door Harness Connector

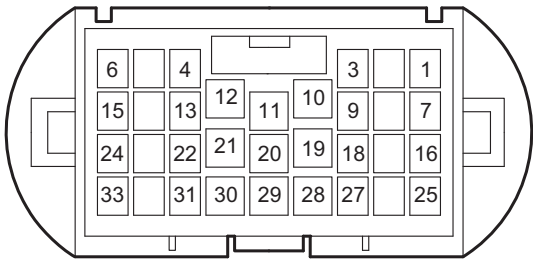
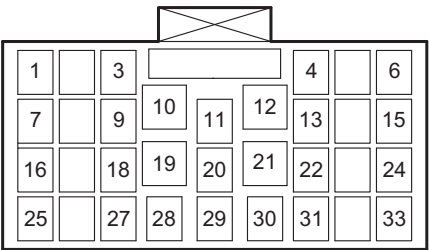
Right Front Door Harness to Floor Harness Connector



X08

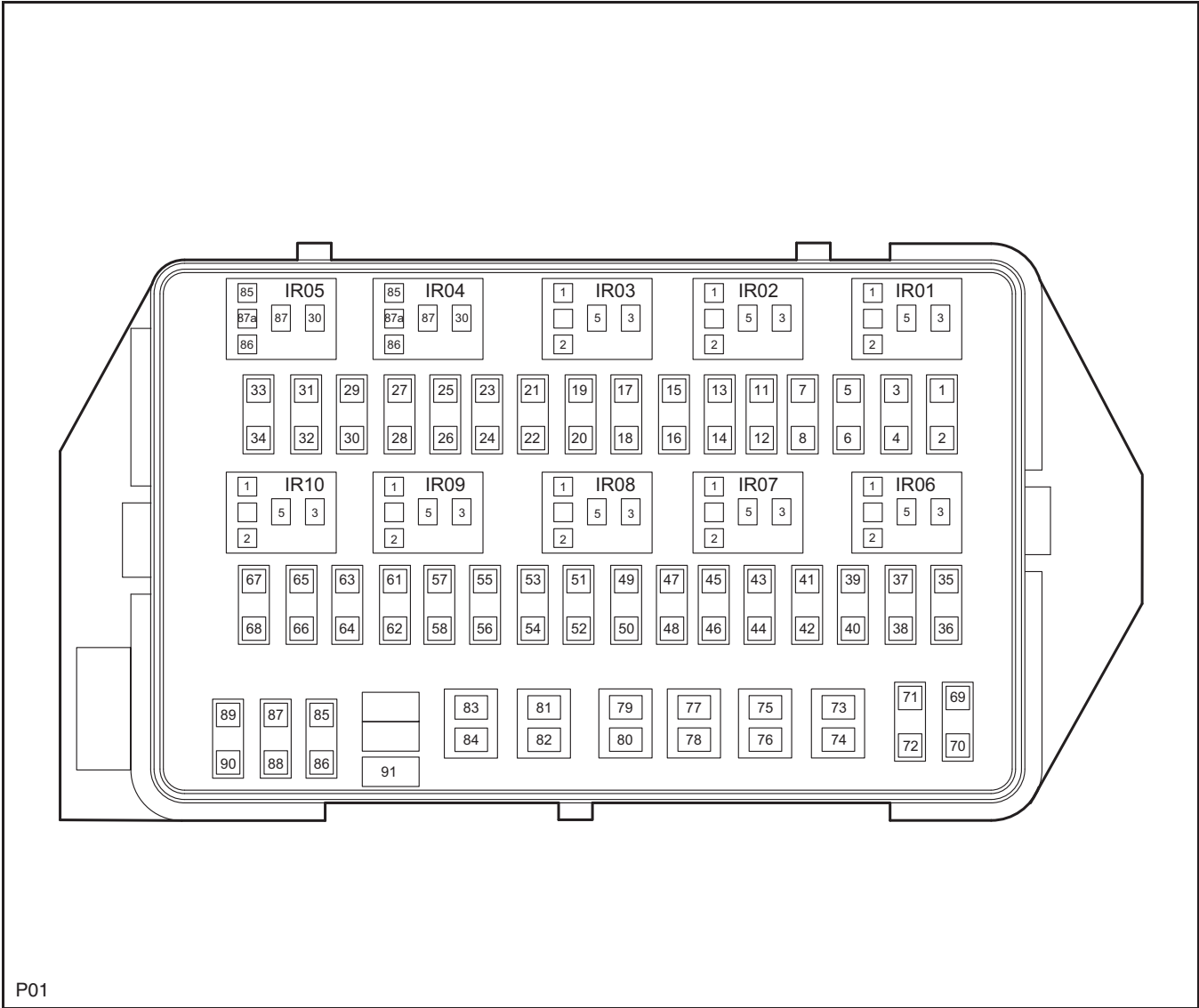
Floor Harness to Left Front Door Harness Connector

Left Front Door Harness to Floor Harness Connector



X09

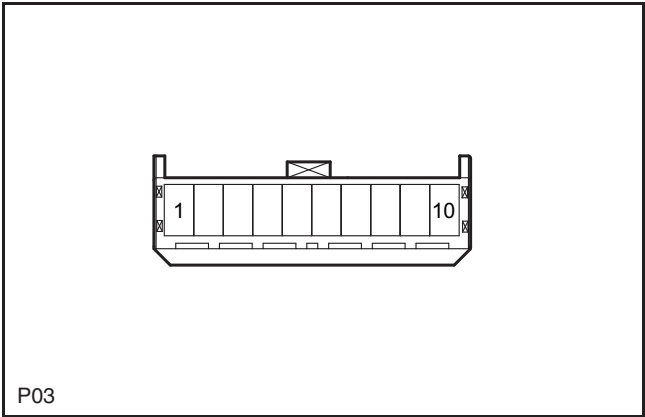
I/P Fuse and Relay Box



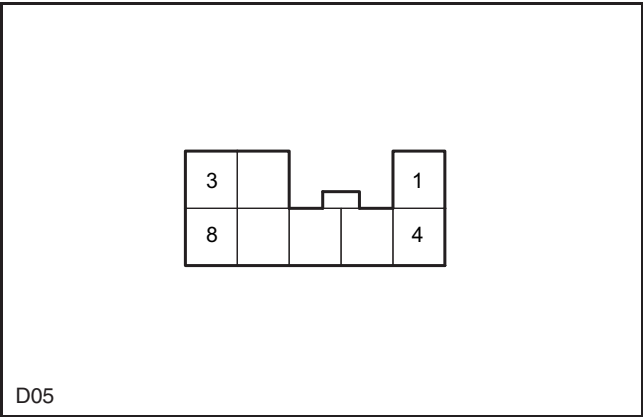
P01

Power Rearview Mirror Switch Connector

Driver Side Power Window Switch Connector

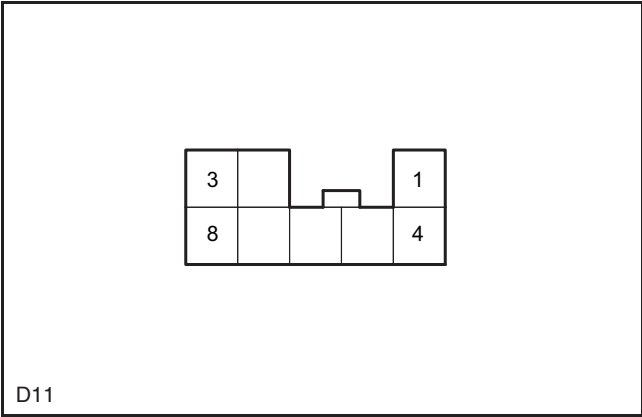


P03

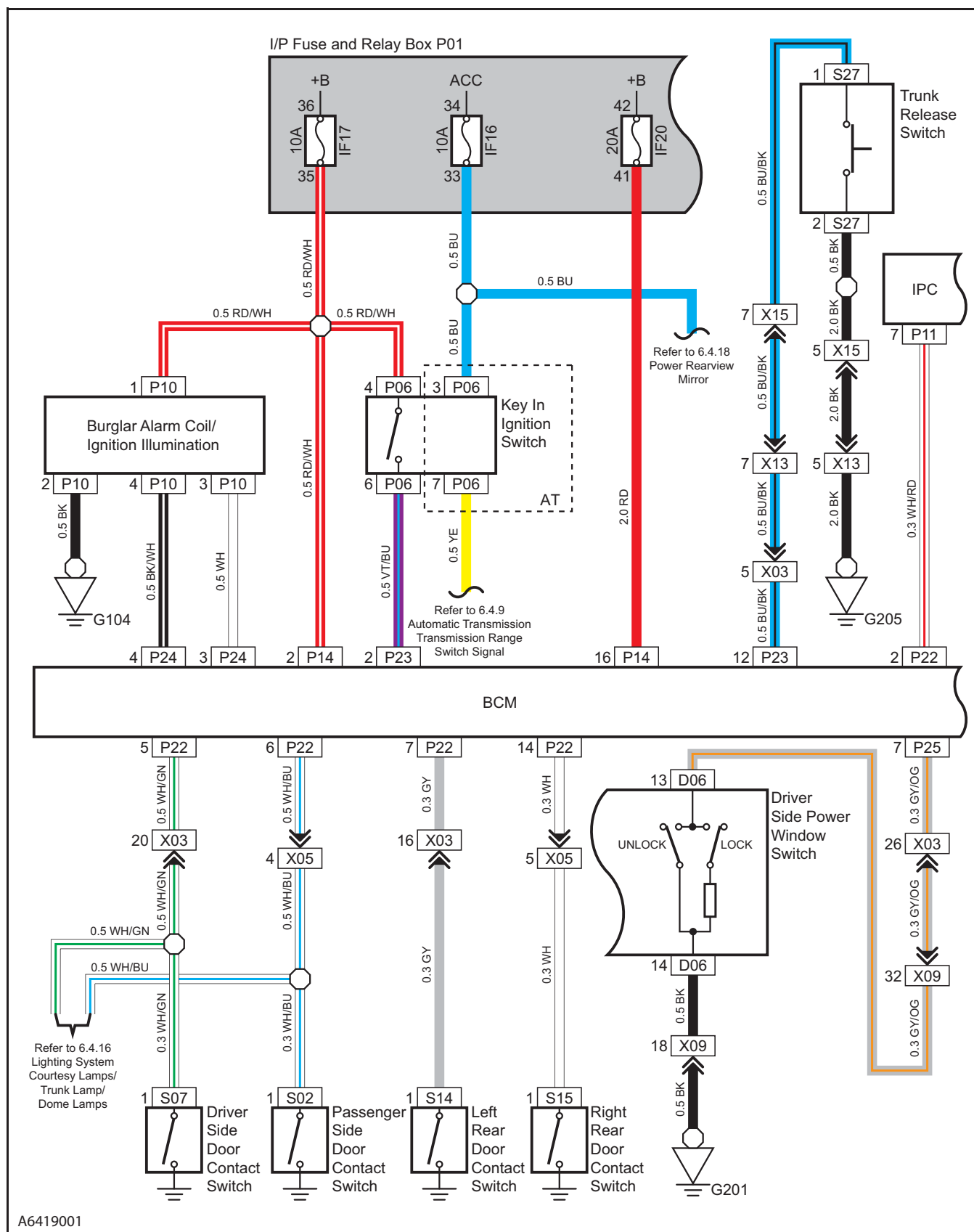


D05

Right Power Rearview Mirror Connector

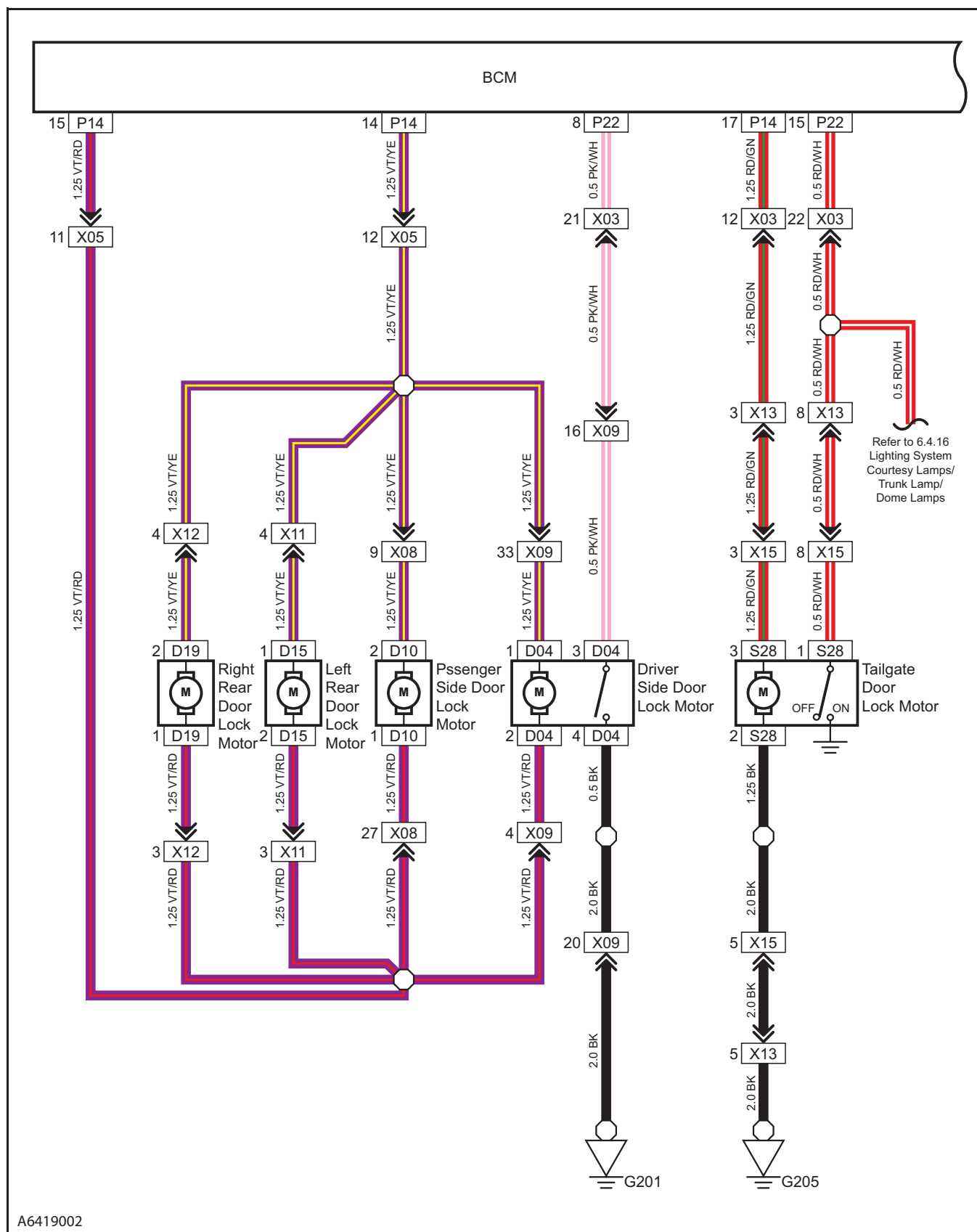


Power and Switch Signal



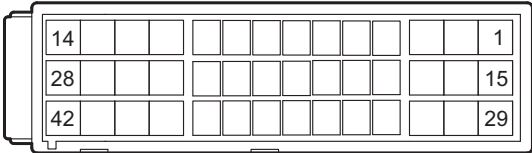
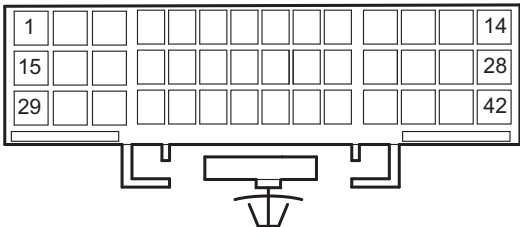
A6419001

Actuators



I/P Harness to Floor Harness Connector A

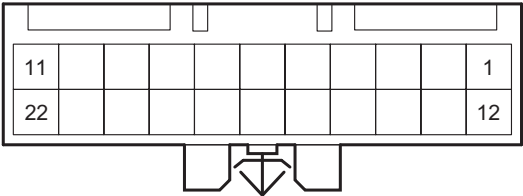
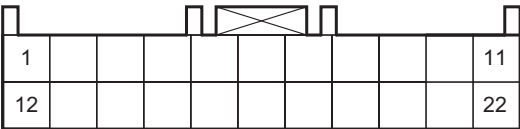
Floor Harness to I/P Harness Connector A



X03

I/P Harness to Floor Harness Connector B

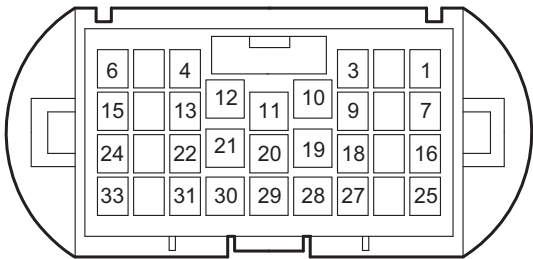
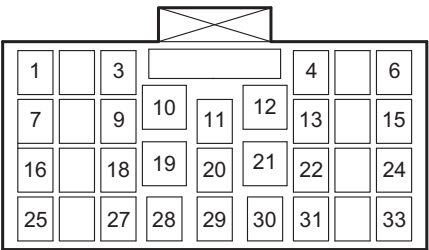
Floor Harness to I/P Harness Connector B



X05

Floor Harness to Right Front Door Harness Connector

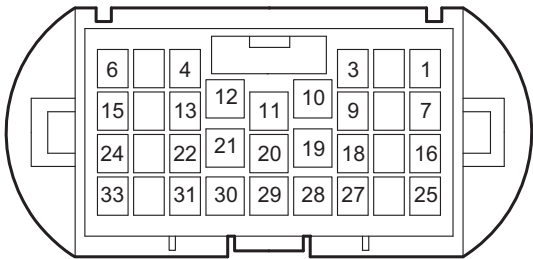
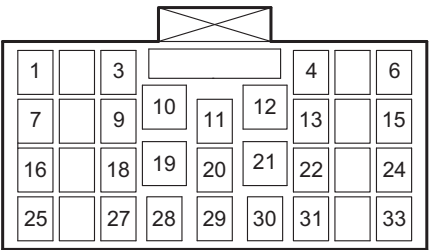
Right Front Door Harness to Floor Harness Connector



X08

Floor Harness to Left Front Door Harness Connector

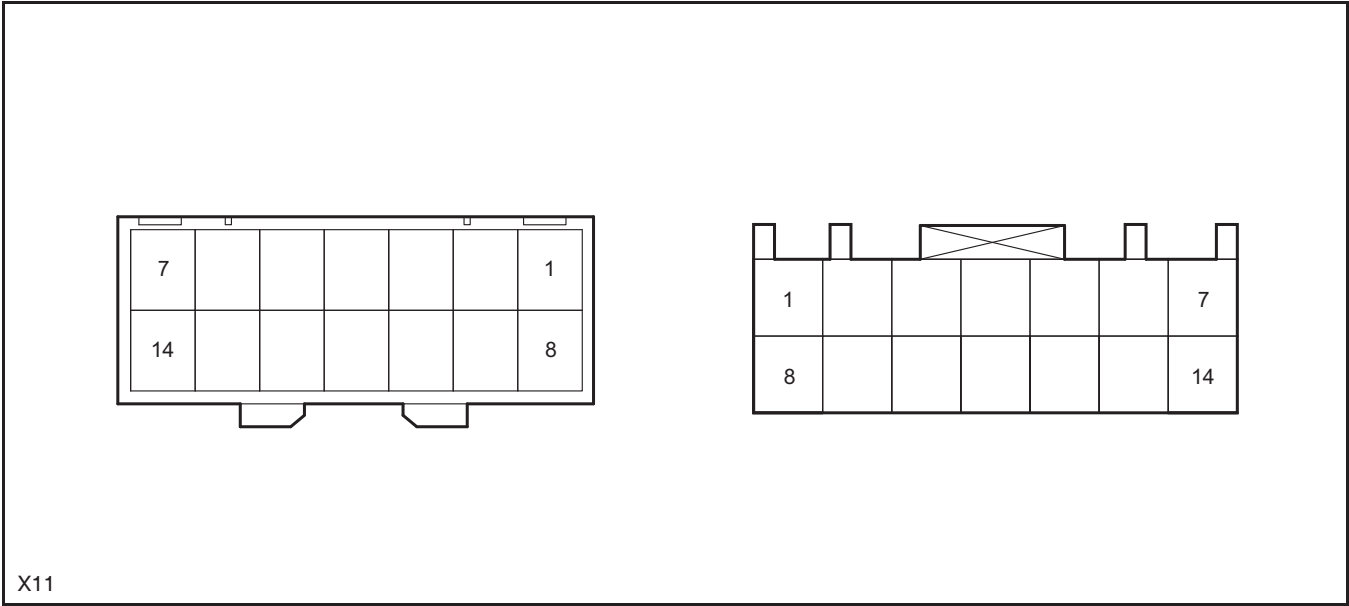
Left Front Door Harness to Floor Harness Connector



X09

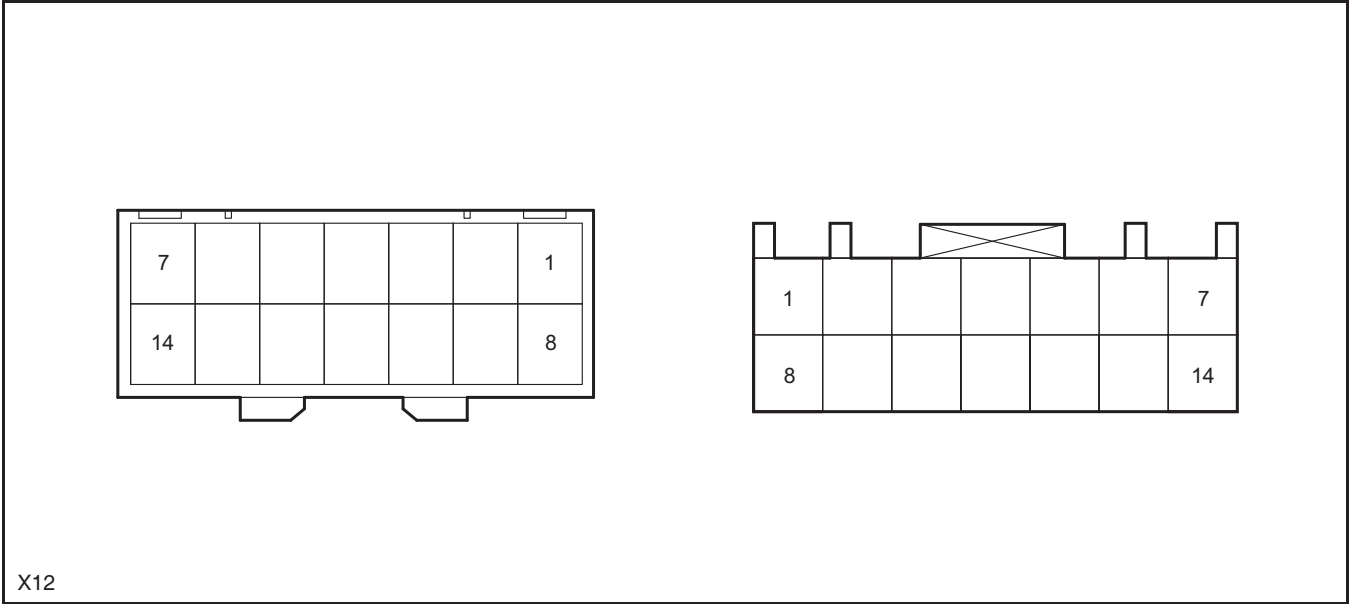
Floor Harness to Left Rear Door Harness Connector

Left Rear Door Harness to Floor Harness Connector



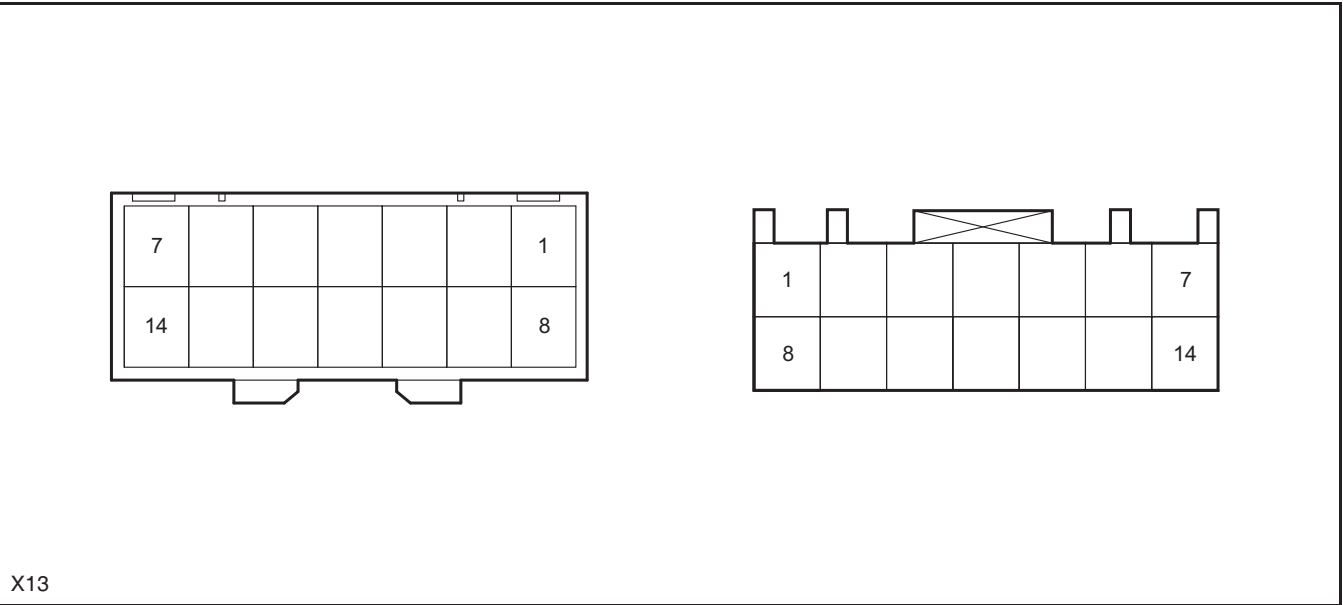
Floor Harness to Right Rear Door Harness Connector

Right Rear Door Harness to Floor Harness Connector



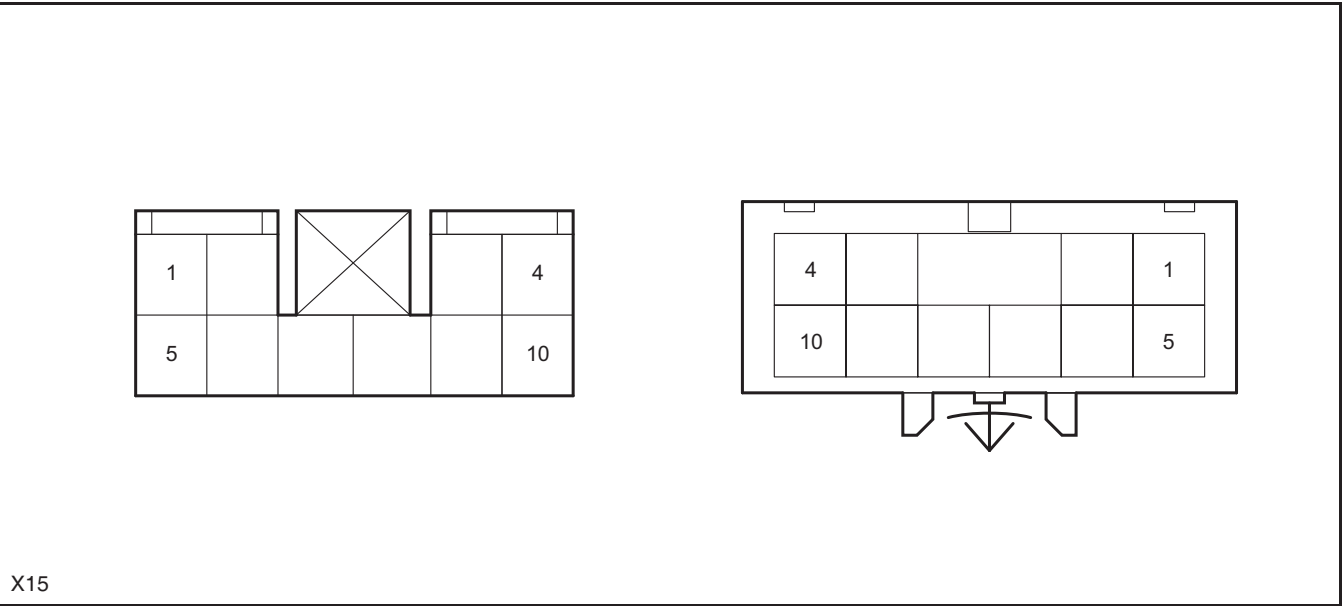
Floor Harness to Tailgate Extended Harness Connector

Tailgate Extended Harness to Floor Harness Connector

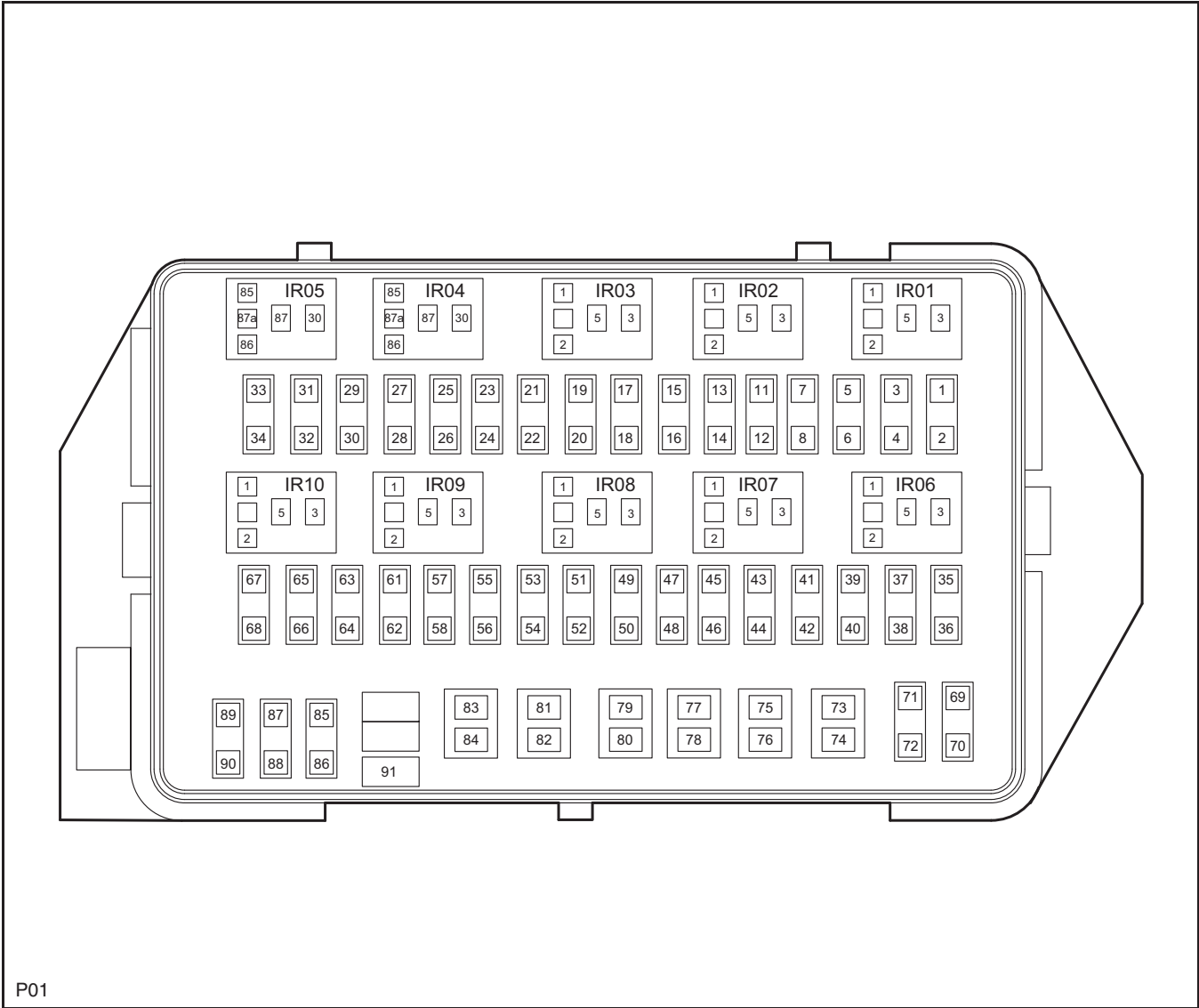


Floor Harness to Tailgate Harness Connector

Tailgate Harness to Floor Harness Connector

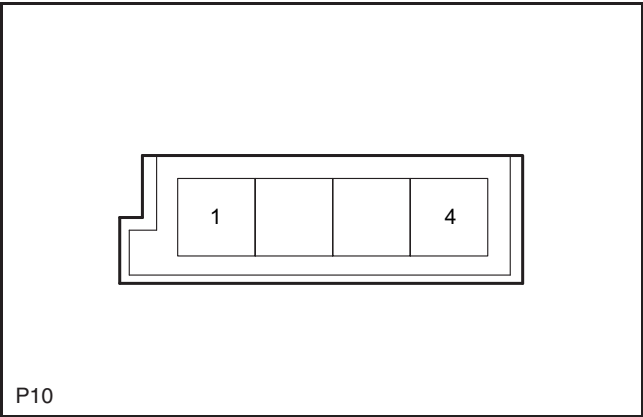
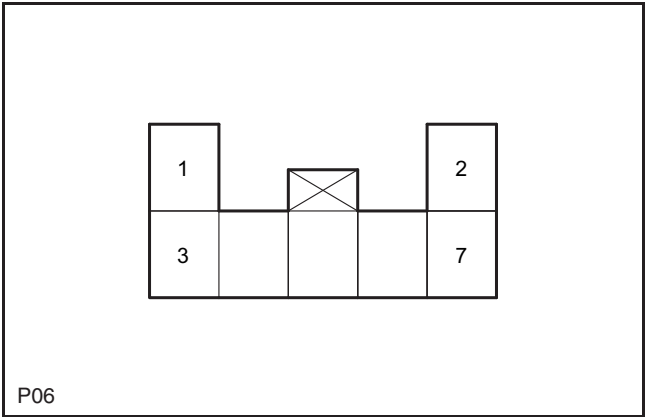


I/P Fuse and Relay Box

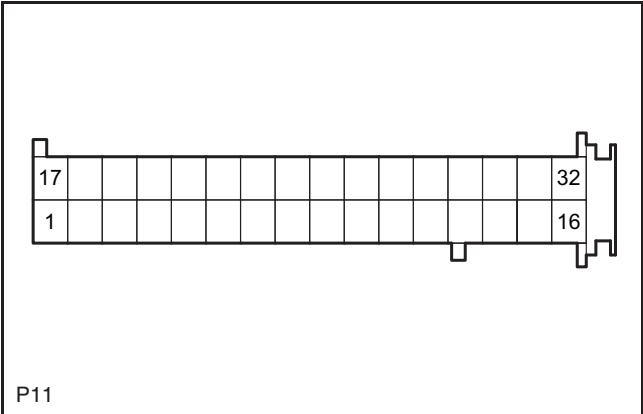


Key In Ignition Switch Connector

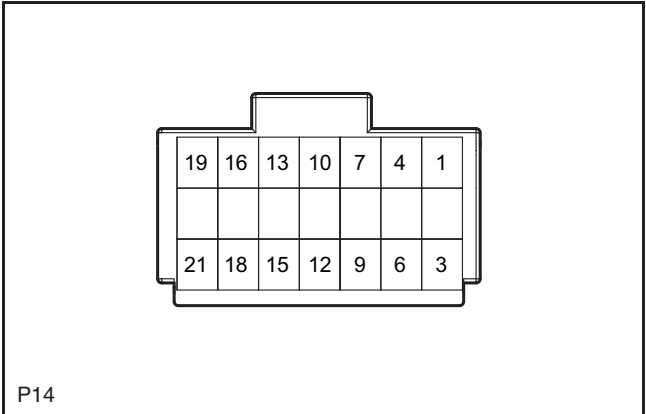
Burglar Alarm Coil/Ignition Illumination Connector



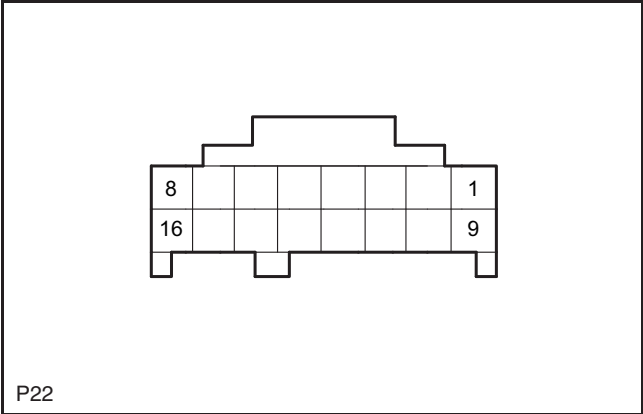
IPC Connector



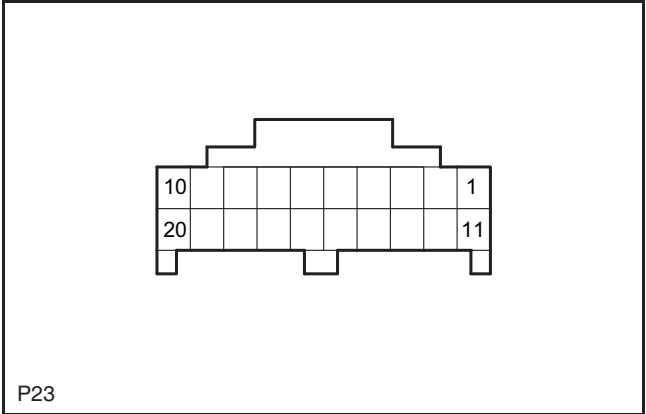
BCM Connector A



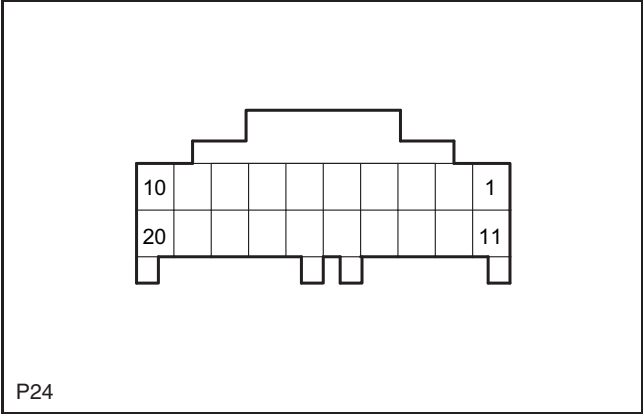
BCM Connector B



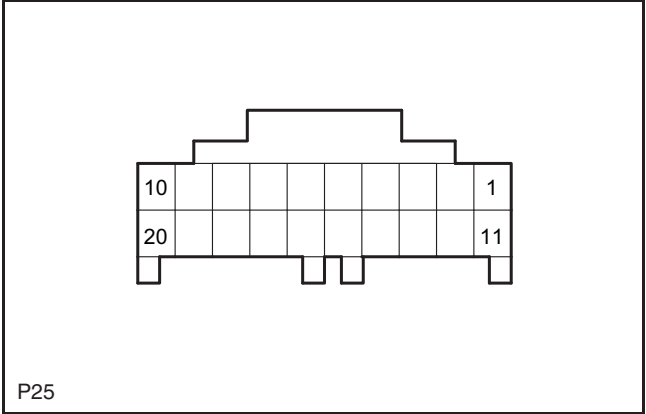
BCM Connector C



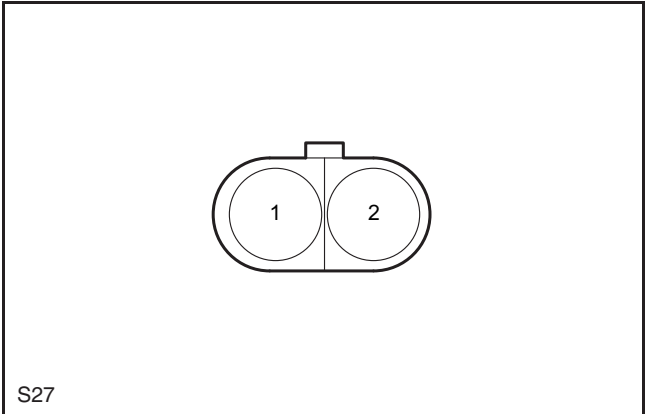
BCM Connector D



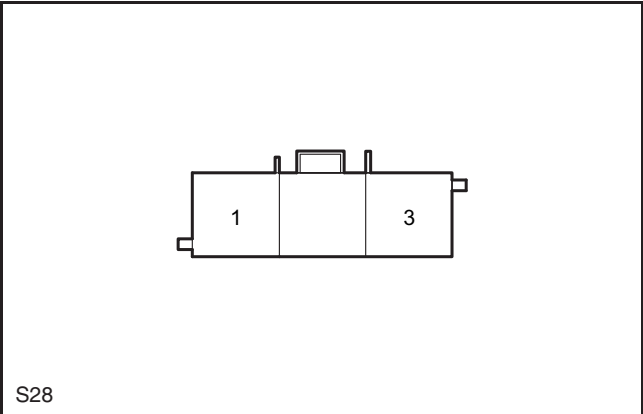
BCM Connector E



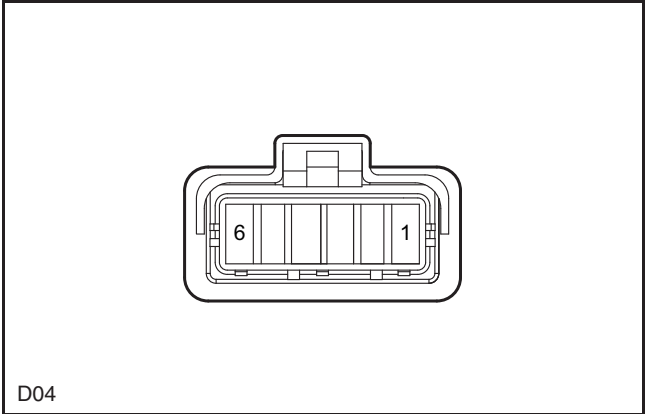
Trunk Release Switch Connector



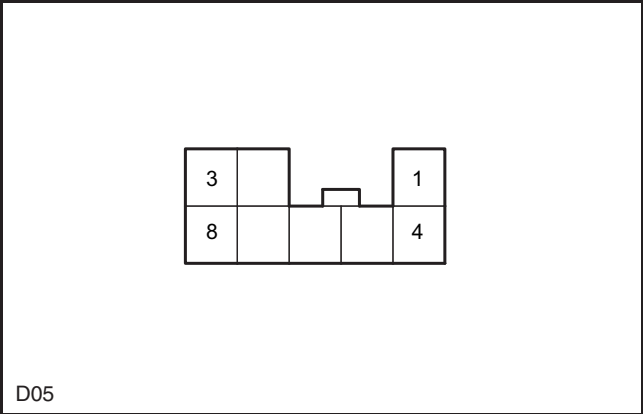
Tailgate Door Lock Motor Connector



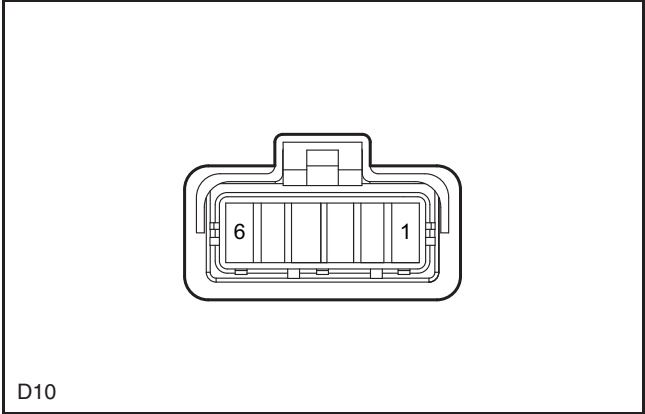
Driver Side Door Lock Motor Connector



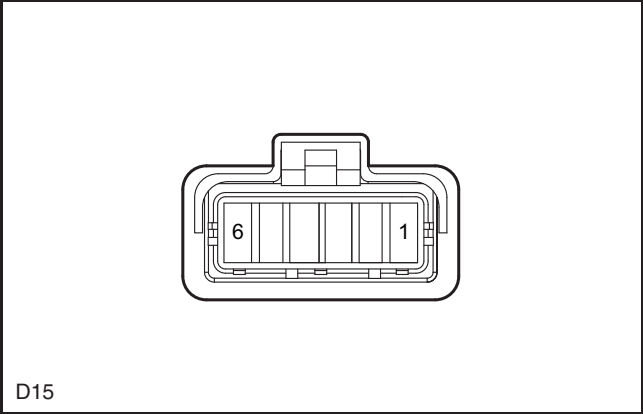
Left Power Rearview Mirror Connector



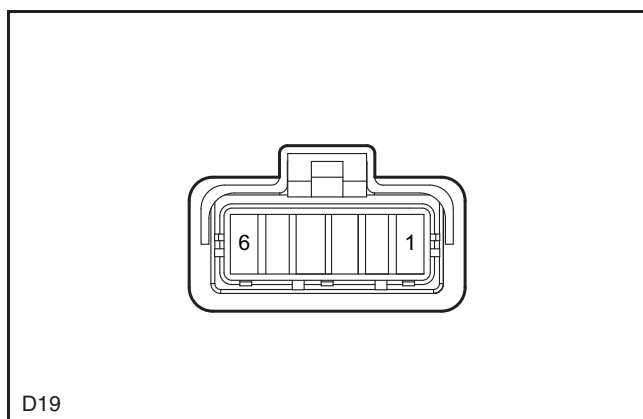
Pssenger Side Door Lock Motor Connector



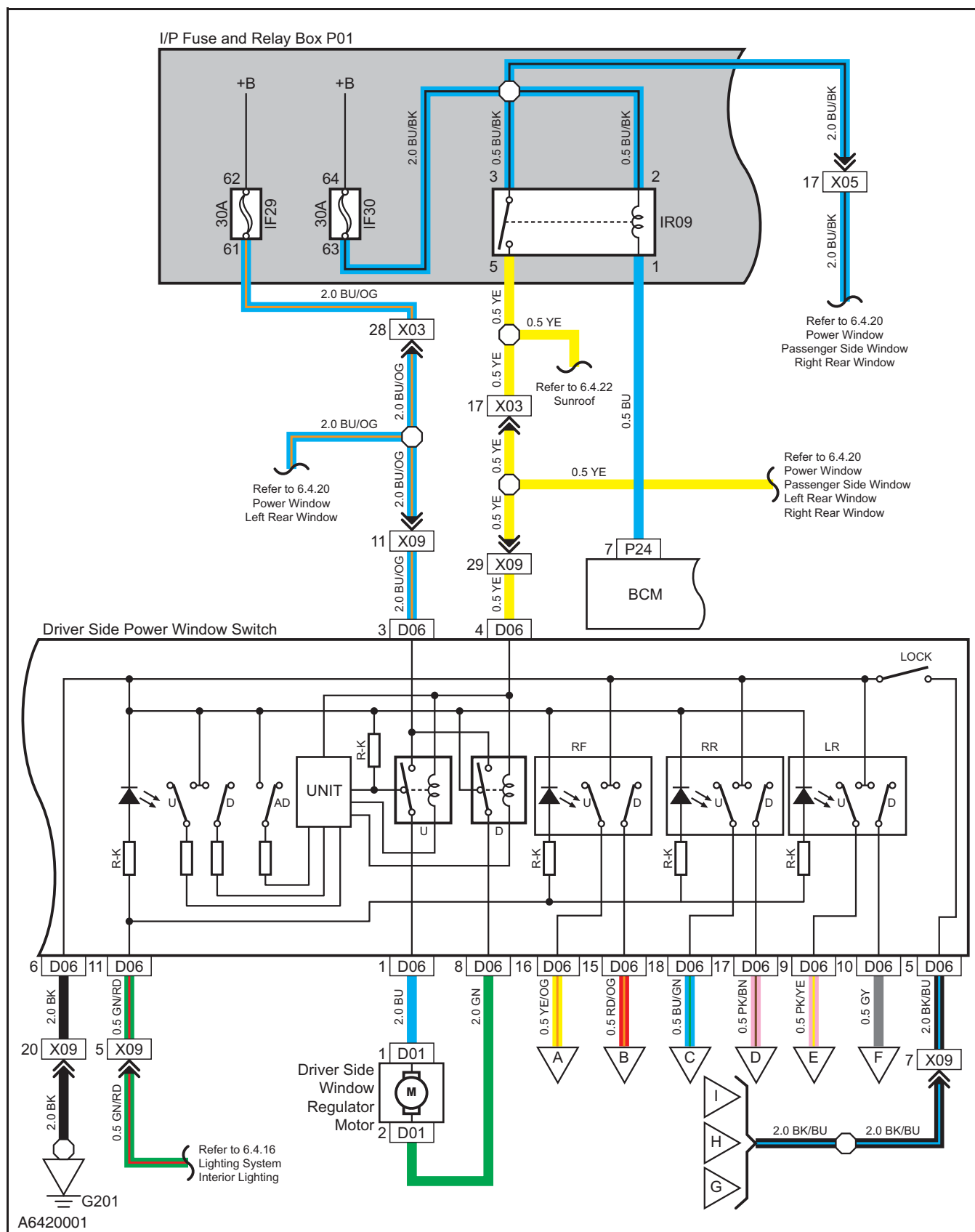
Left Rear Door Lock Motor Connector



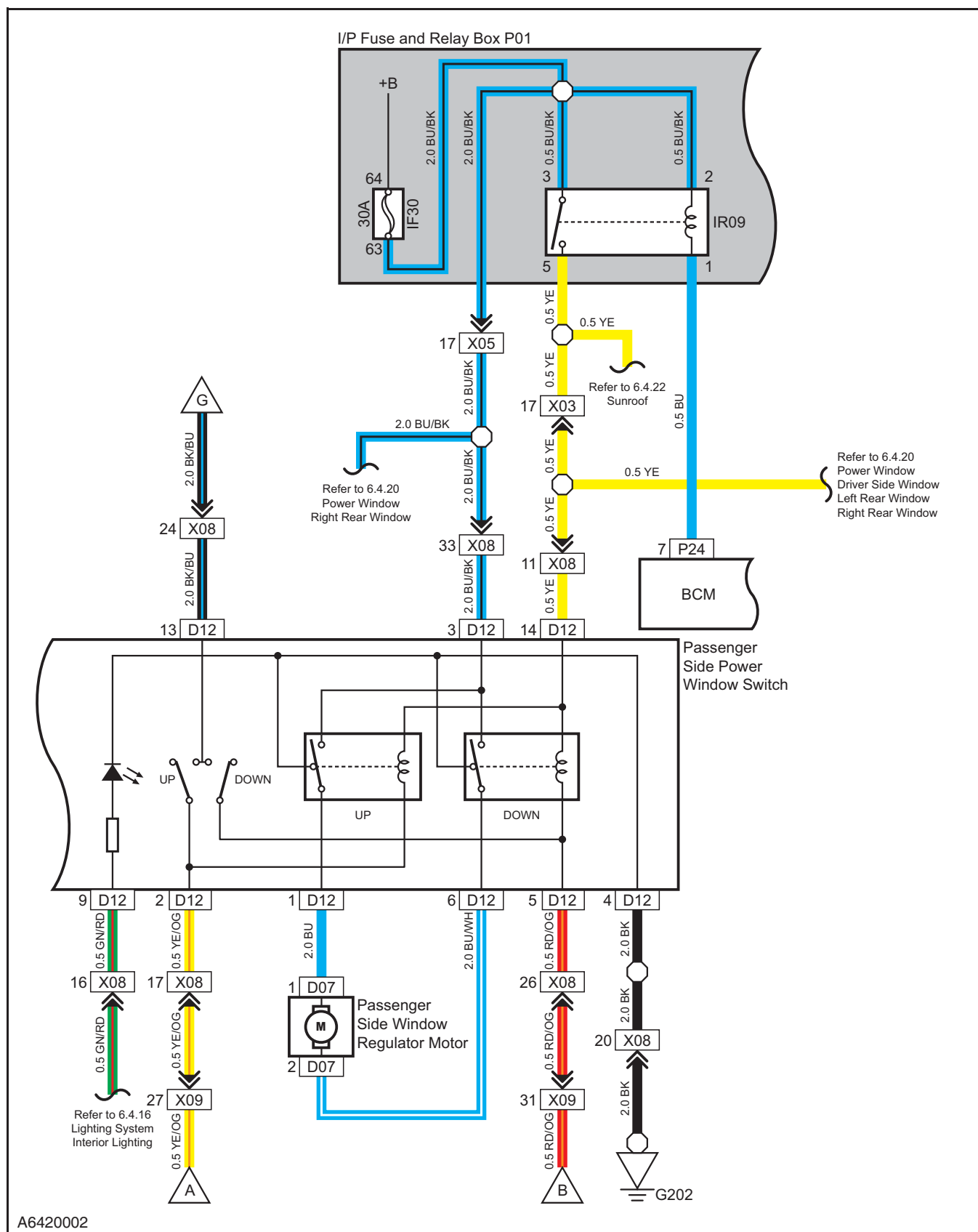
Right Rear Door Lock Motor Connector



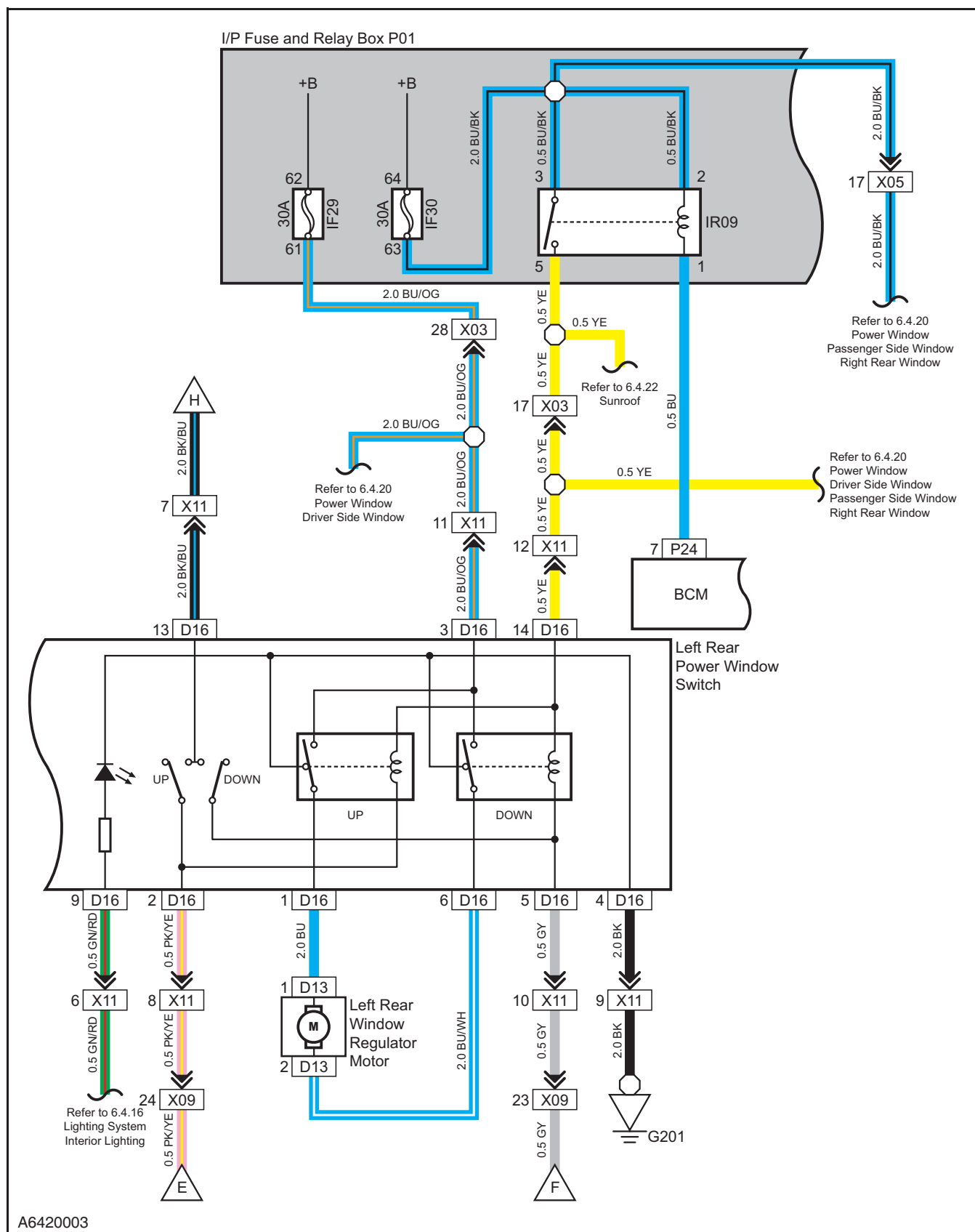
Driver Side Window



Passenger Side Window

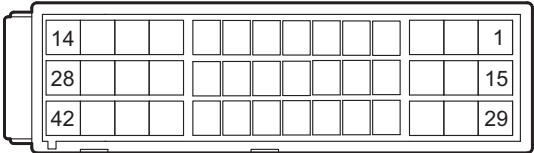
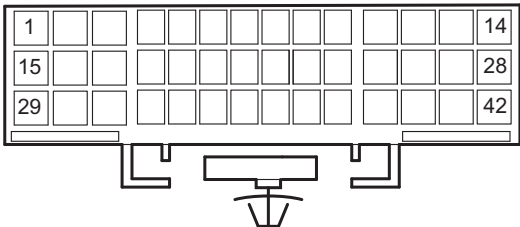


Left Rear Window



I/P Harness to Floor Harness Connector A

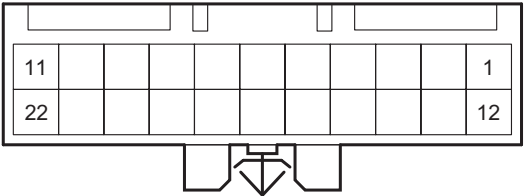
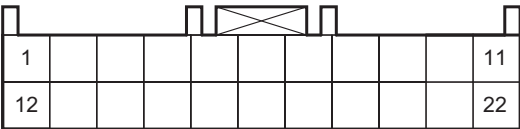
Floor Harness to I/P Harness Connector A



X03

I/P Harness to Floor Harness Connector B

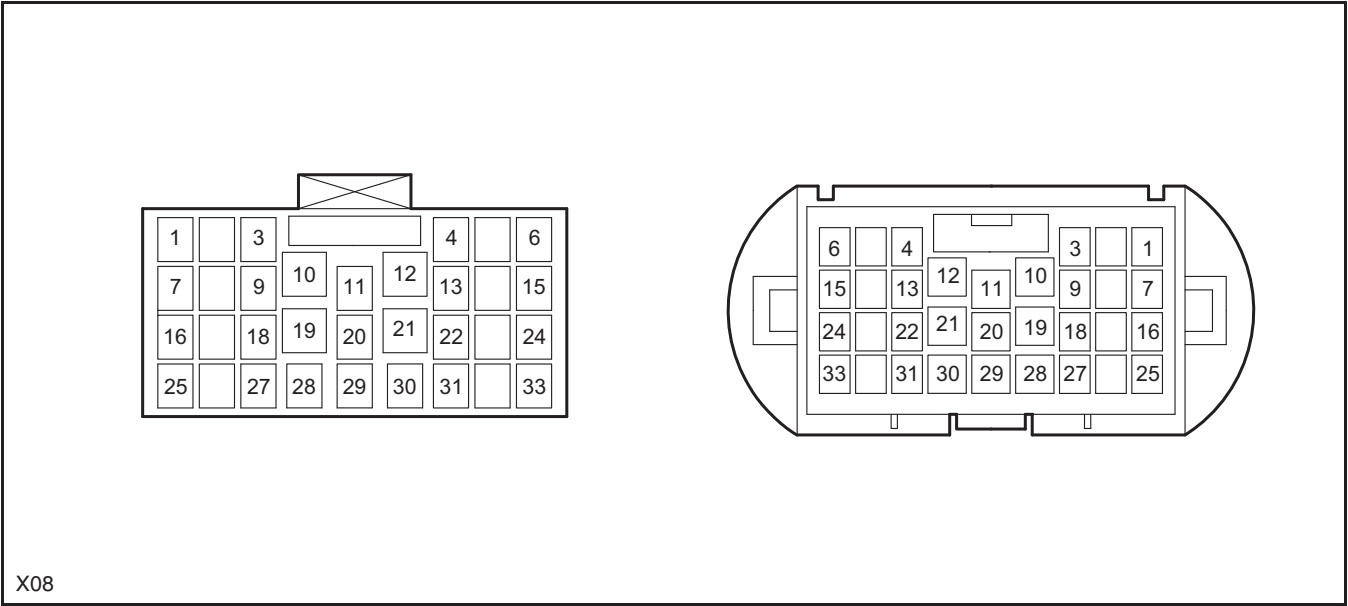
Floor Harness to I/P Harness Connector B



X05

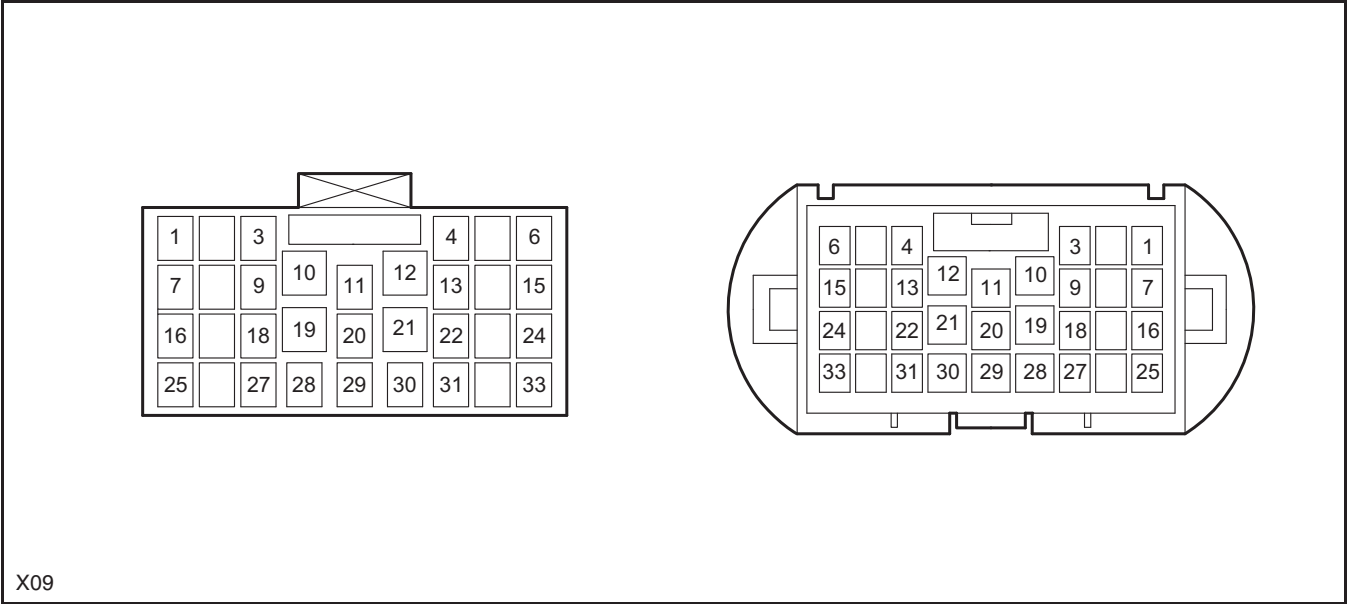
Floor Harness to Right Front Door Harness Connector

Right Front Door Harness to Floor Harness Connector



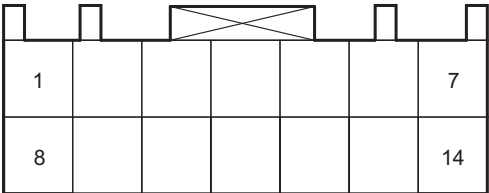
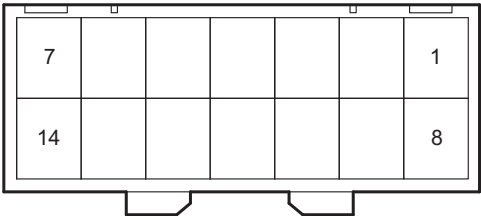
Floor Harness to Left Front Door Harness Connector

Left Front Door Harness to Floor Harness Connector



Floor Harness to Left Rear Door Harness Connector

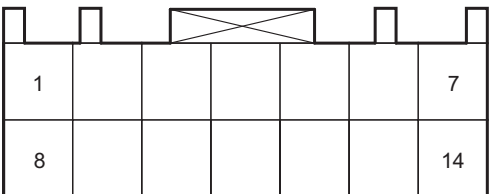
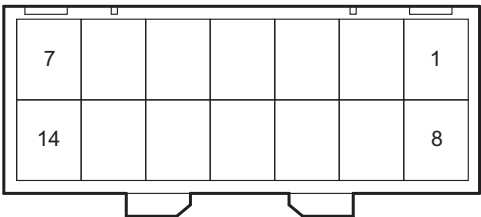
Left Rear Door Harness to Floor Harness Connector



X11

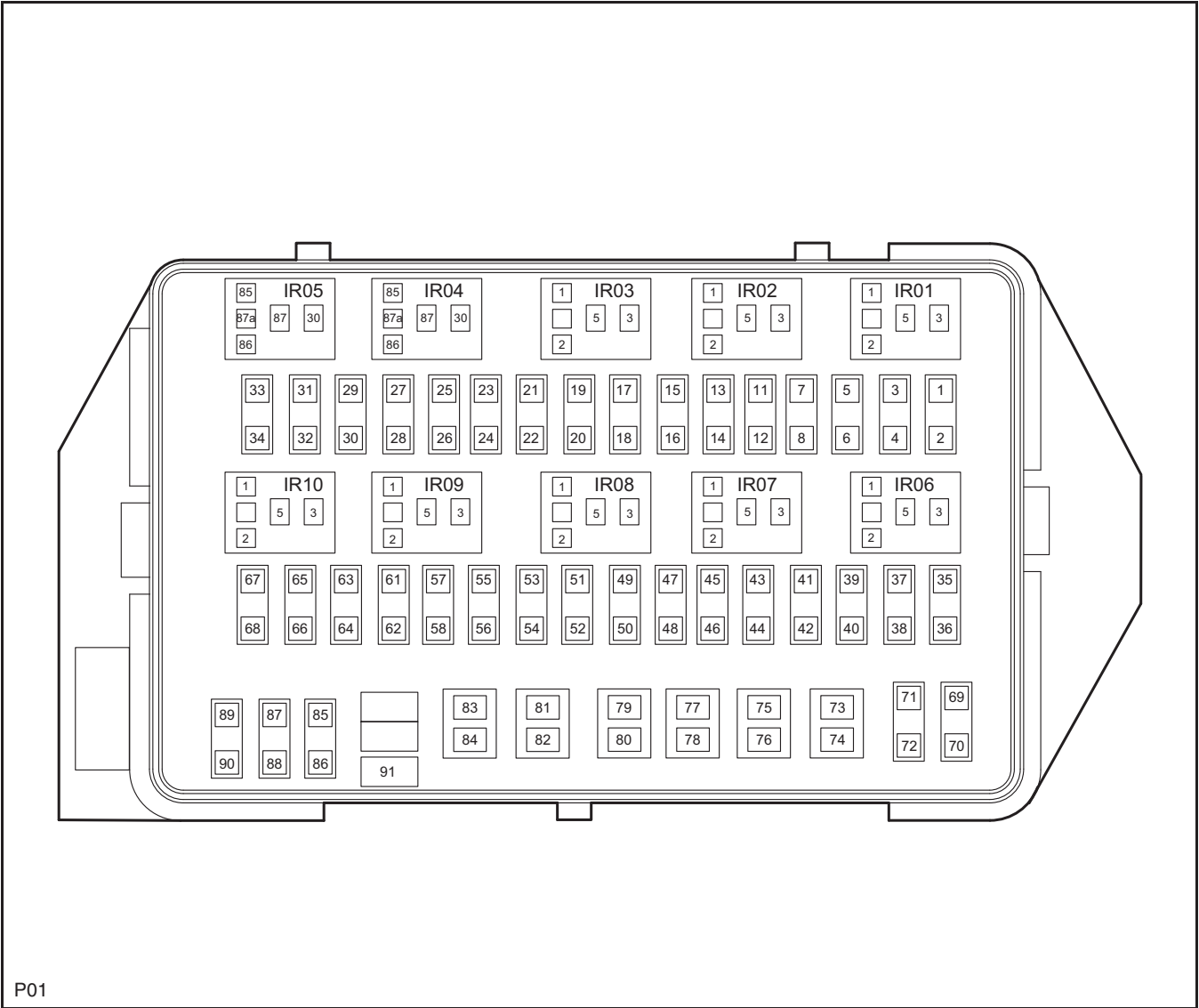
Floor Harness to Right Rear Door Harness Connector

Right Rear Door Harness to Floor Harness Connector



X12

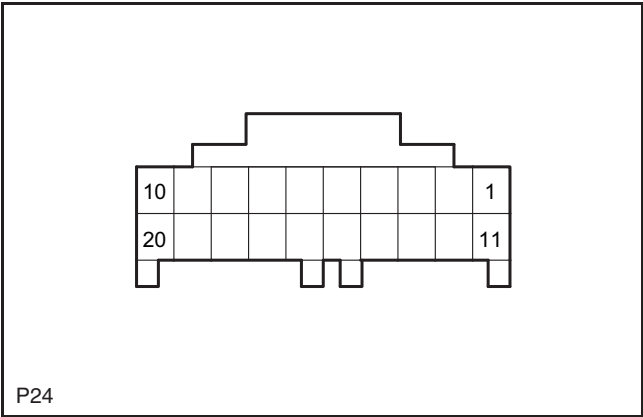
I/P Fuse and Relay Box



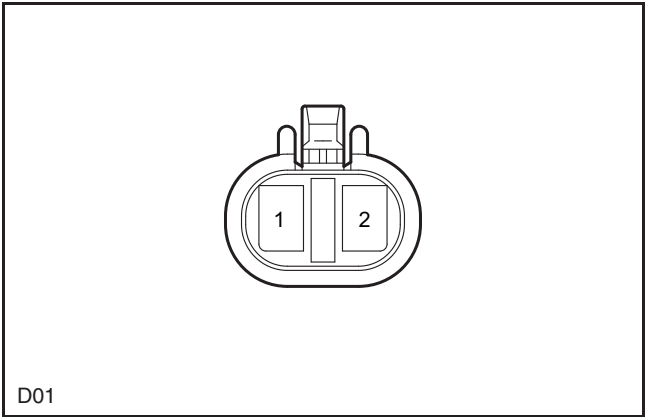
P01

BCM Connector D

Driver Side Window Regulator Motor Connector

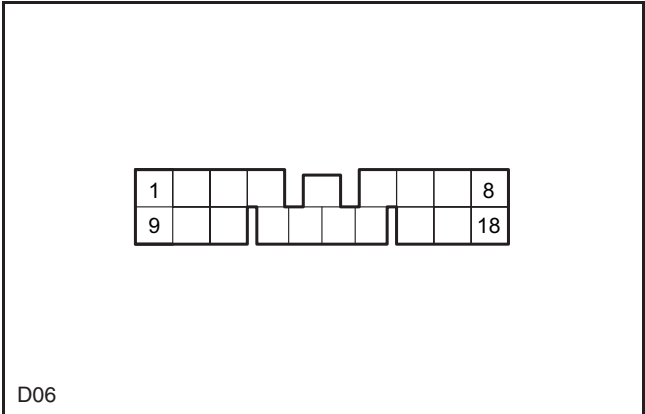


P24

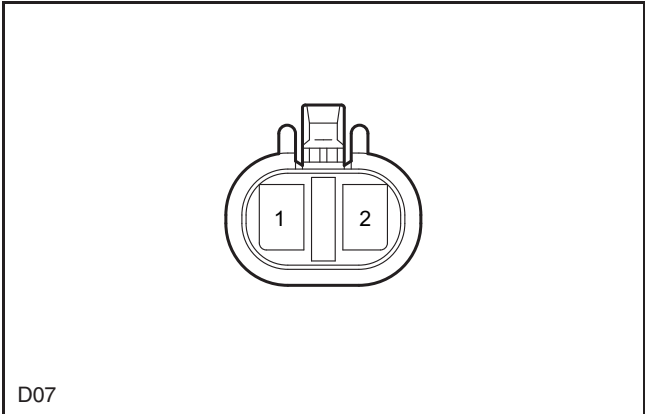


D01

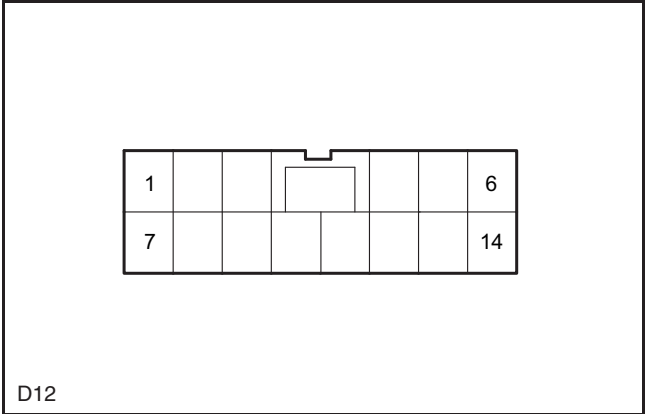
Driver Side Power Window Switch Connector



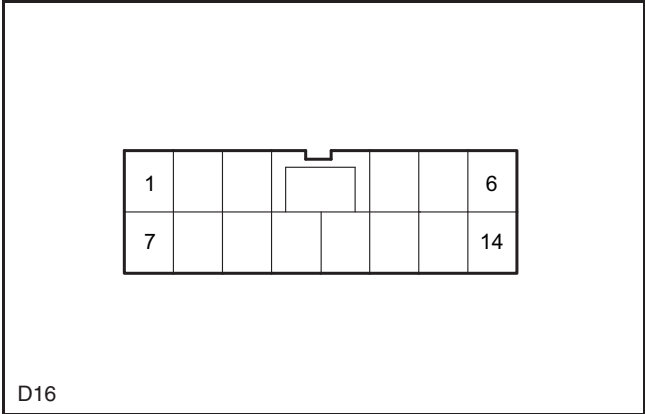
Passenger Side Window Regulator Motor Connector



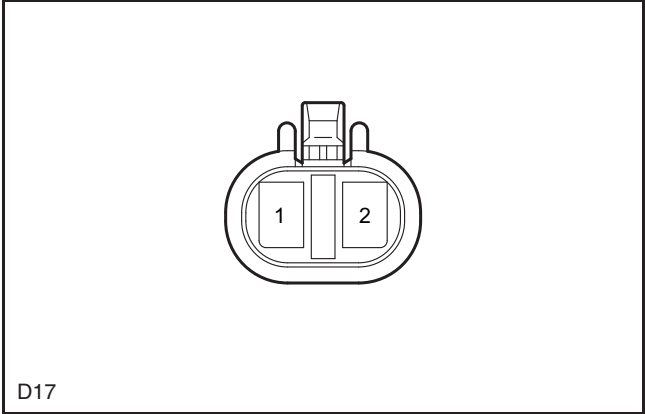
Passenger Side Power Window Switch Connector



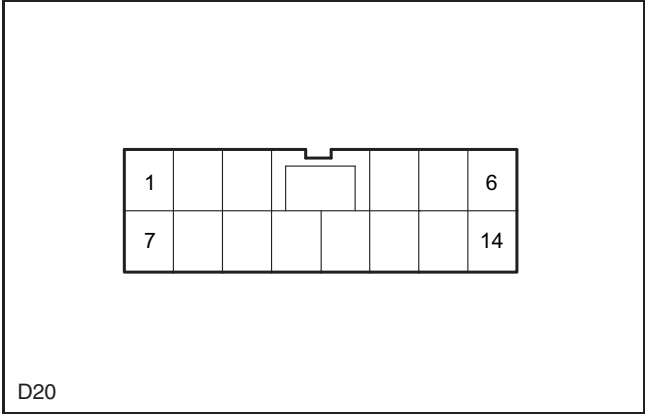
Left Rear Power Window Switch Connector



Right Rear Window Regulator Motor Connector

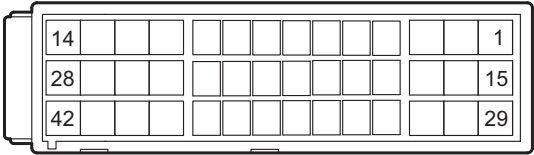
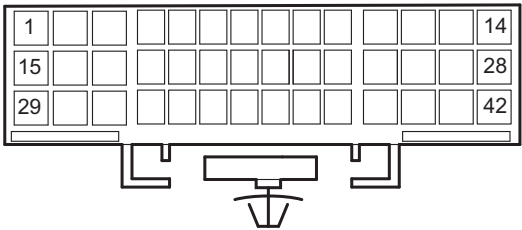


Right Rear Power Window Switch Connector



I/P Harness to Floor Harness Connector A

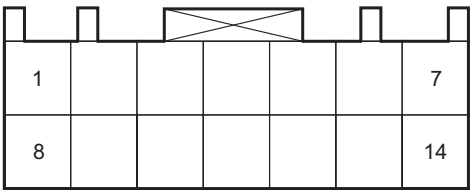
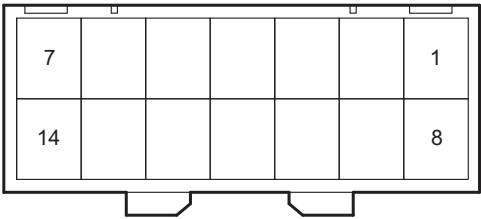
Floor Harness to I/P Harness Connector A



X03

Floor Harness to Tailgate Extended Harness Connector

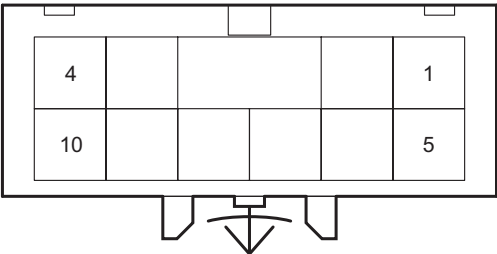
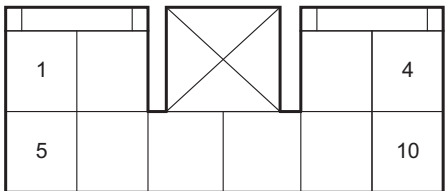
Tailgate Extended Harness to Floor Harness Connector



X13

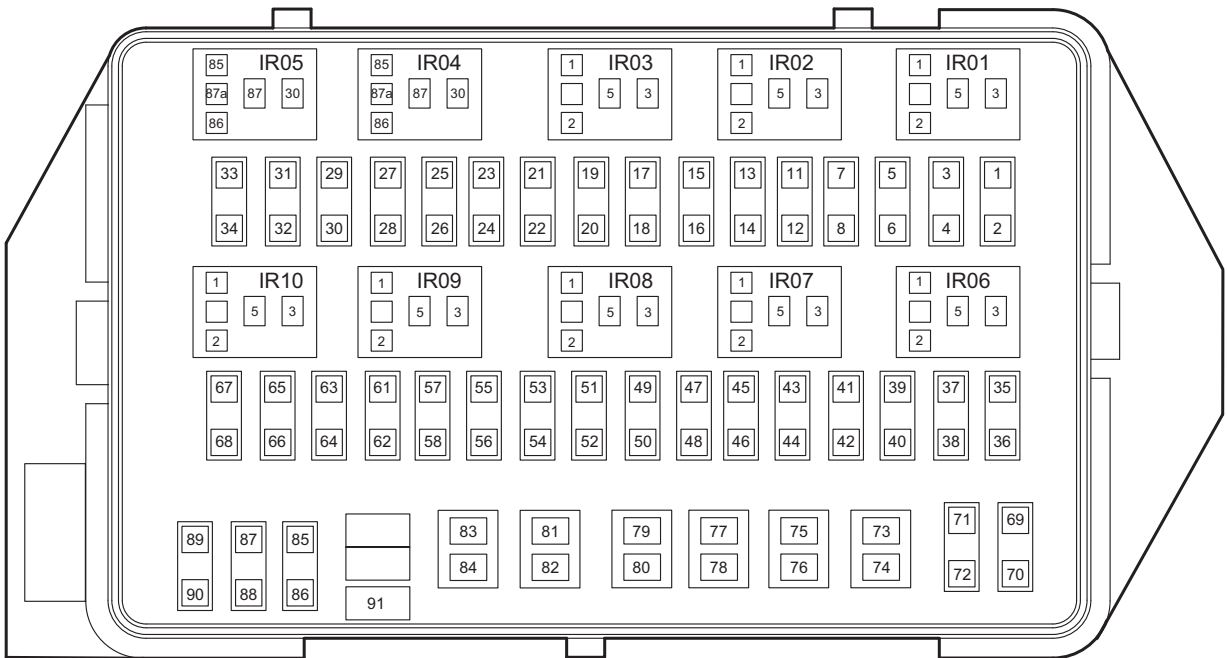
Floor Harness to Tailgate Harness Connector

Tailgate Harness to Floor Harness Connector



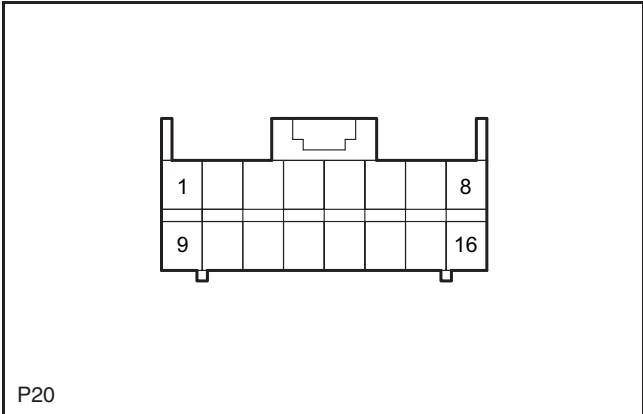
X15

I/P Fuse and Relay Box

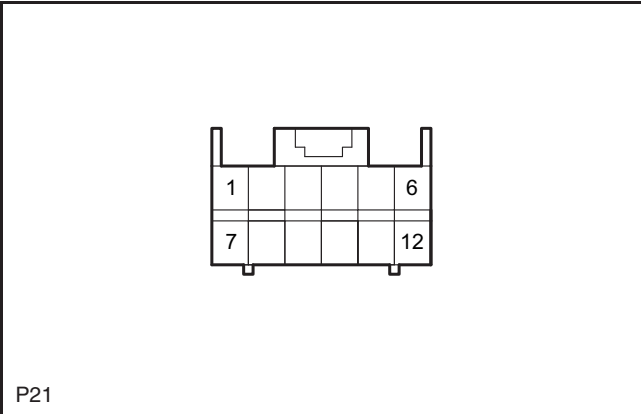


P01

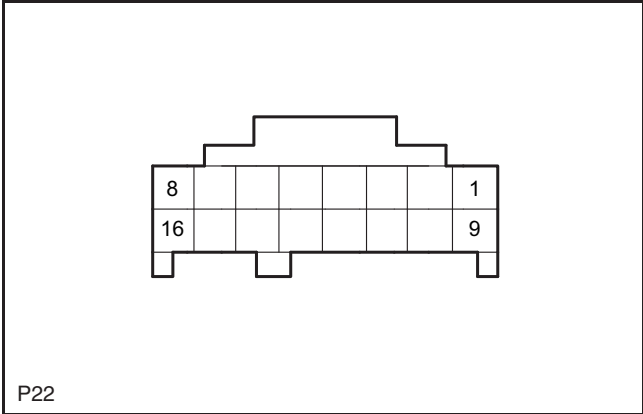
A/C Control Panel Connector A



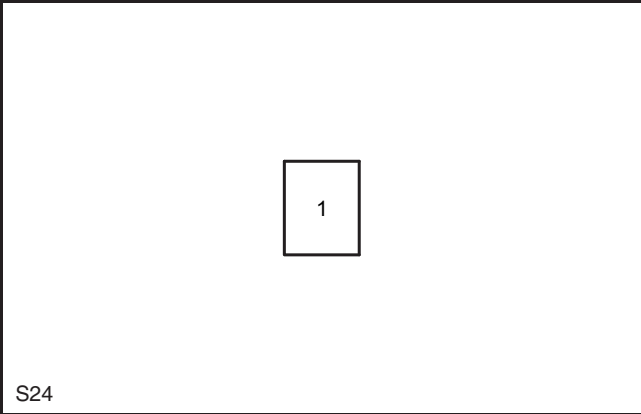
A/C Control Panel Connector B



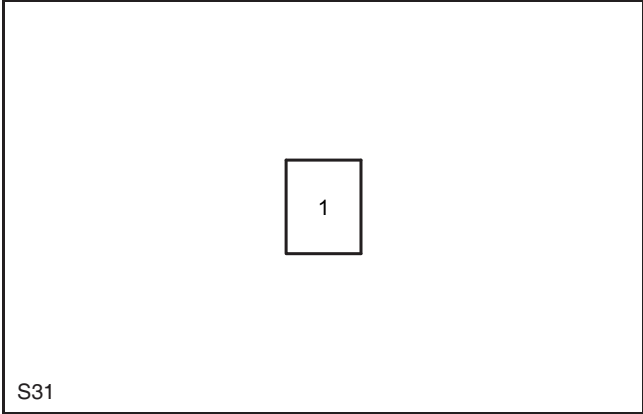
BCM Connector B

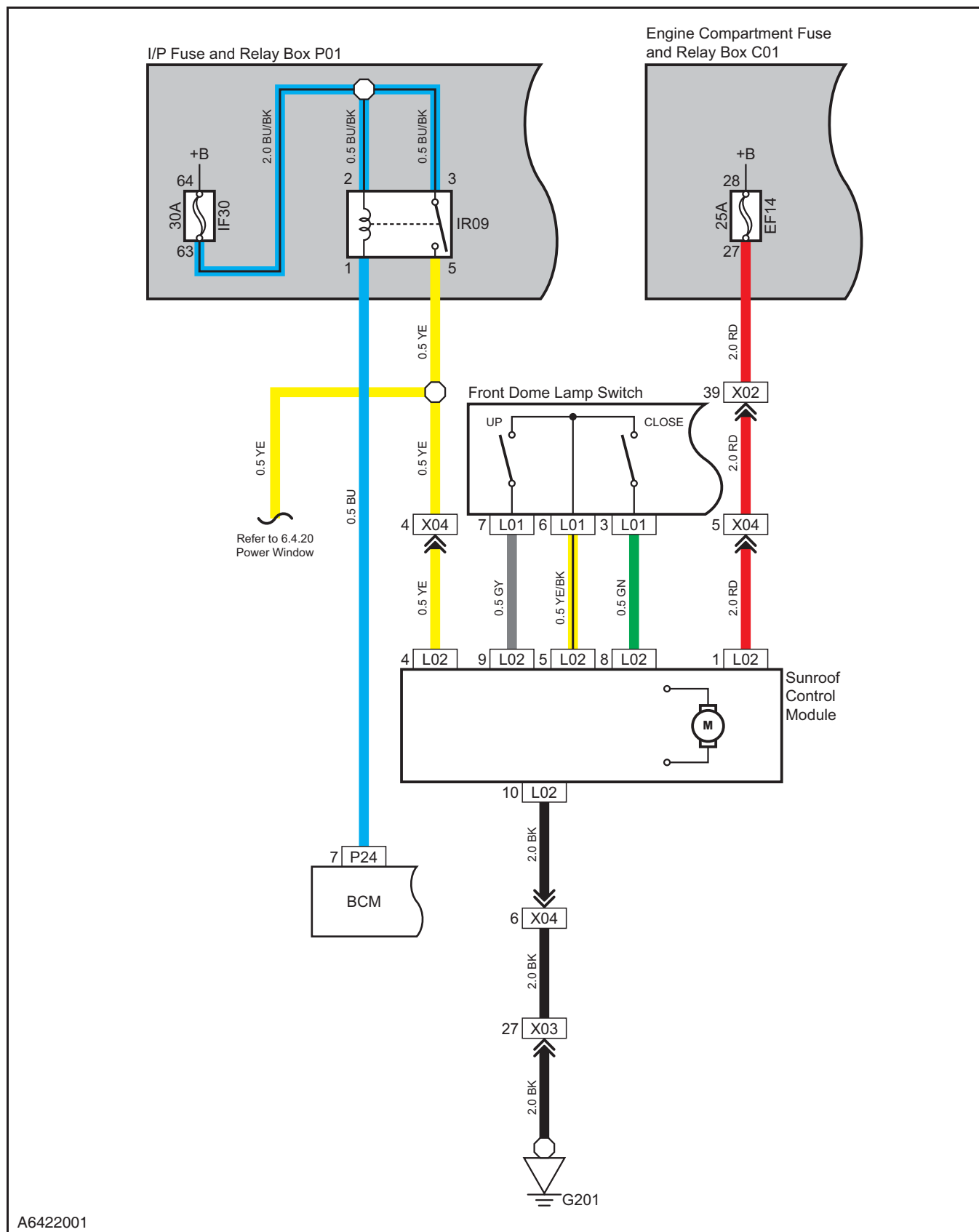


Rear Defroster Positive Lug



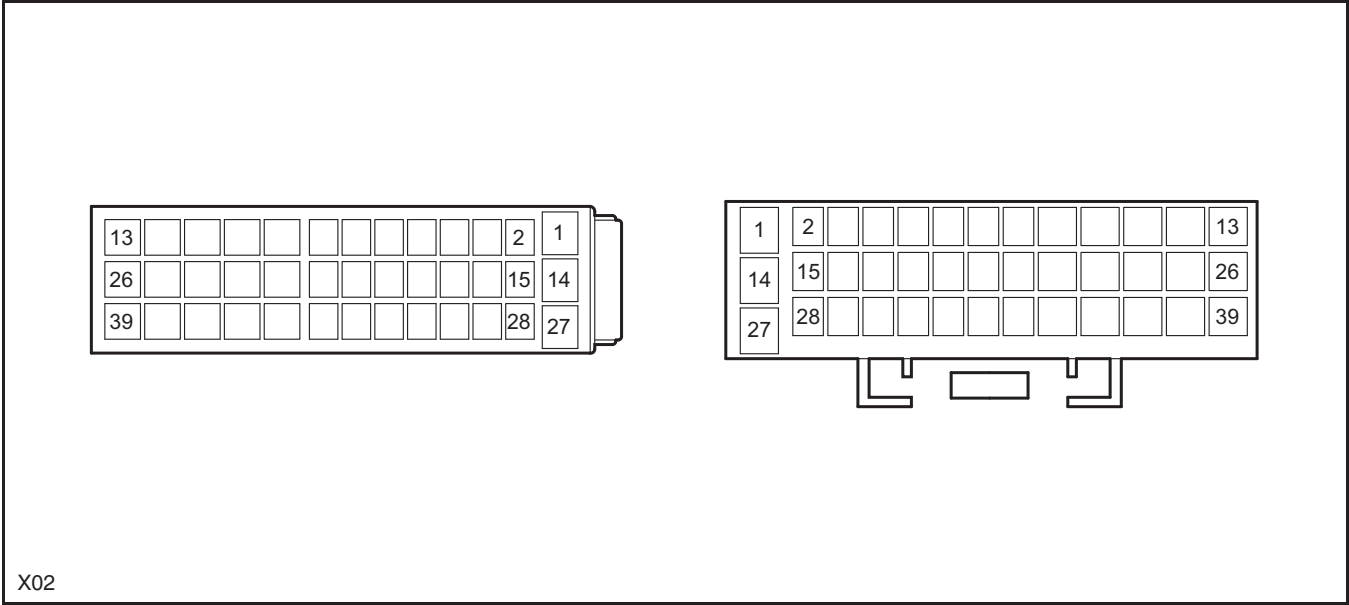
Rear Defroster Negative Lug





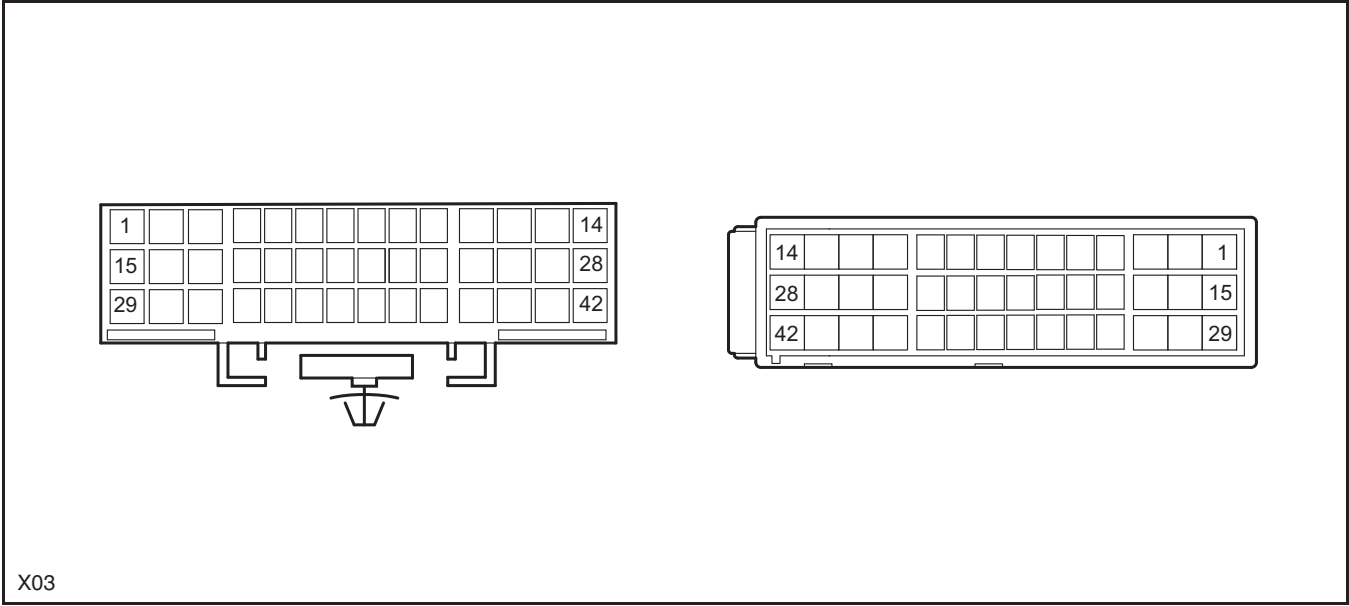
I/P Harness to Engine Compartment Harness Connector B

Engine Compartment Harness to I/P Harness Connector B



I/P Harness to Floor Harness Connector A

Floor Harness to I/P Harness Connector A



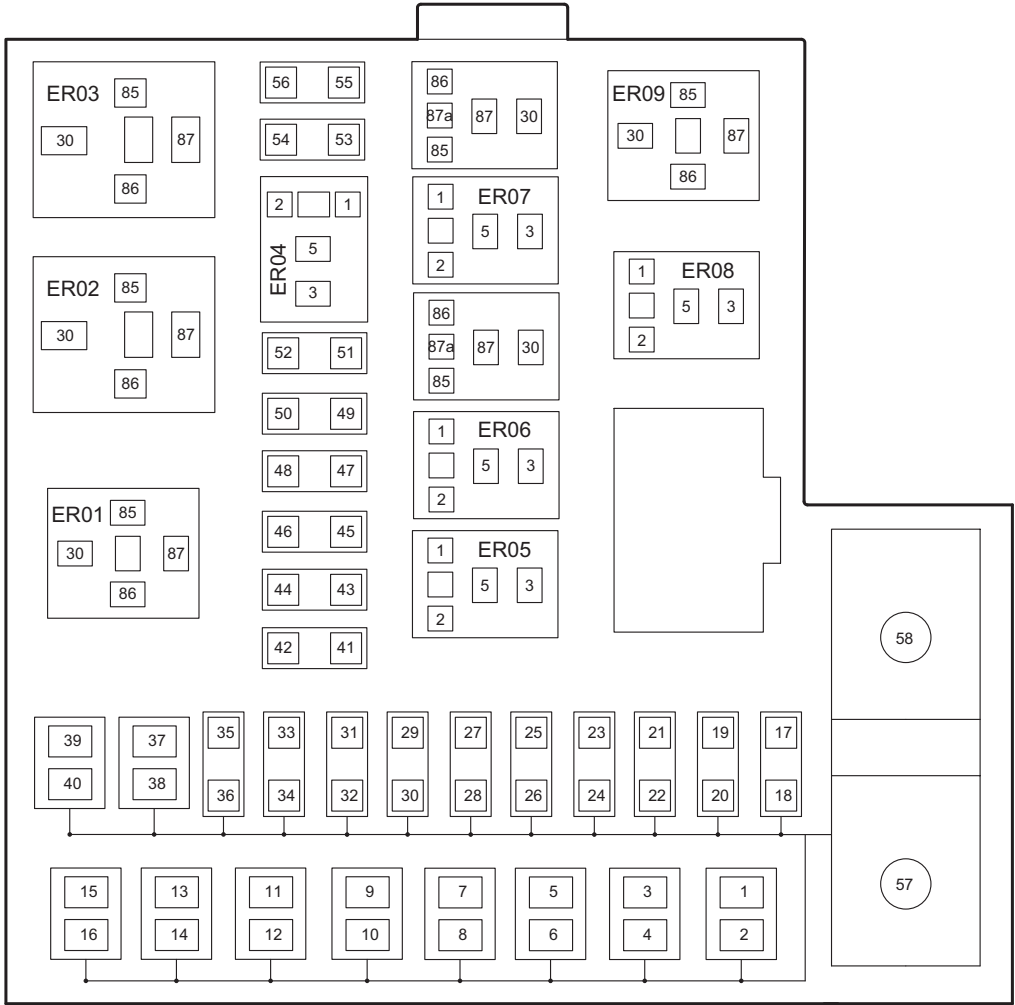
I/P Harness to Headliner Harness Connector

Headliner Harness to I/P Harness Connector

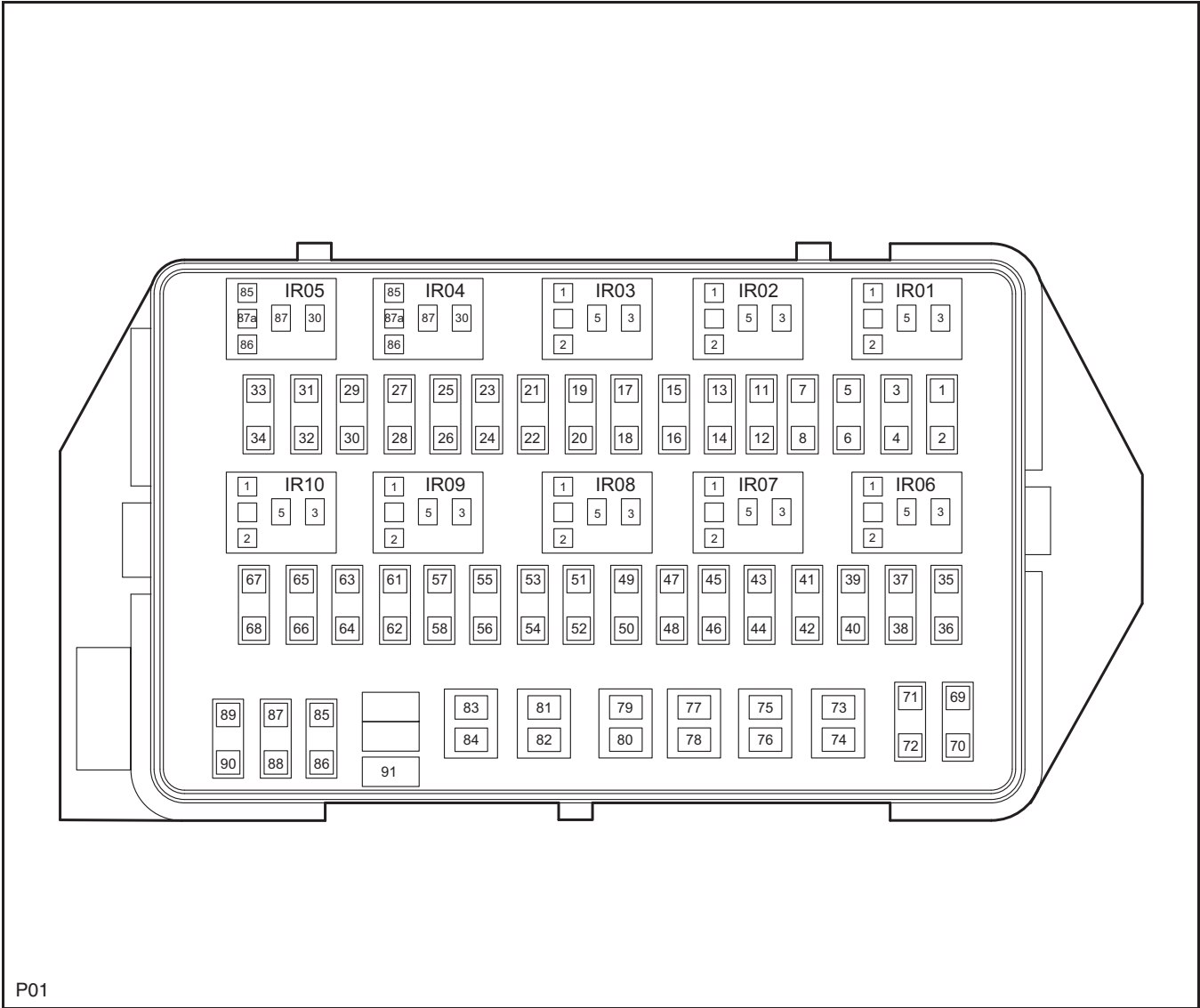
X04

Engine Compartment Fuse and Relay Box

C01

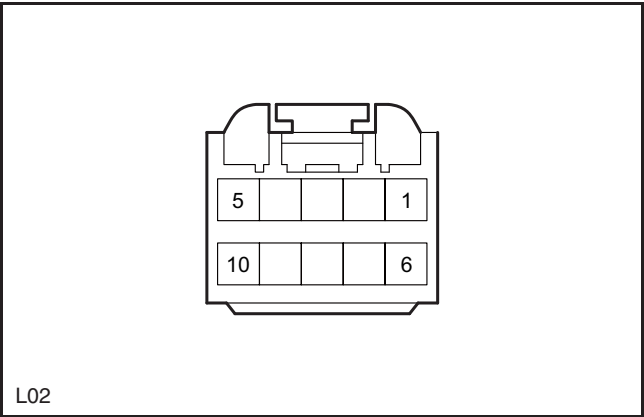
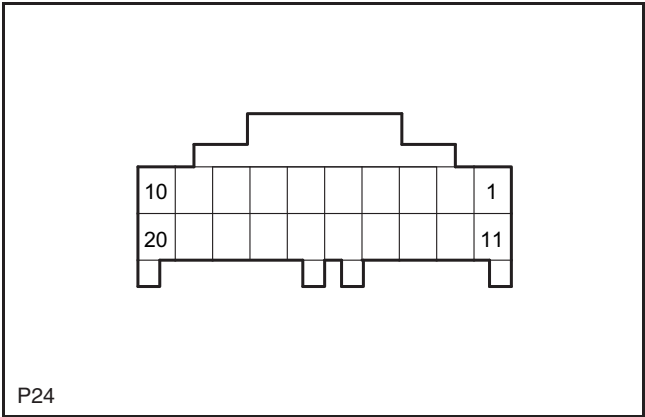


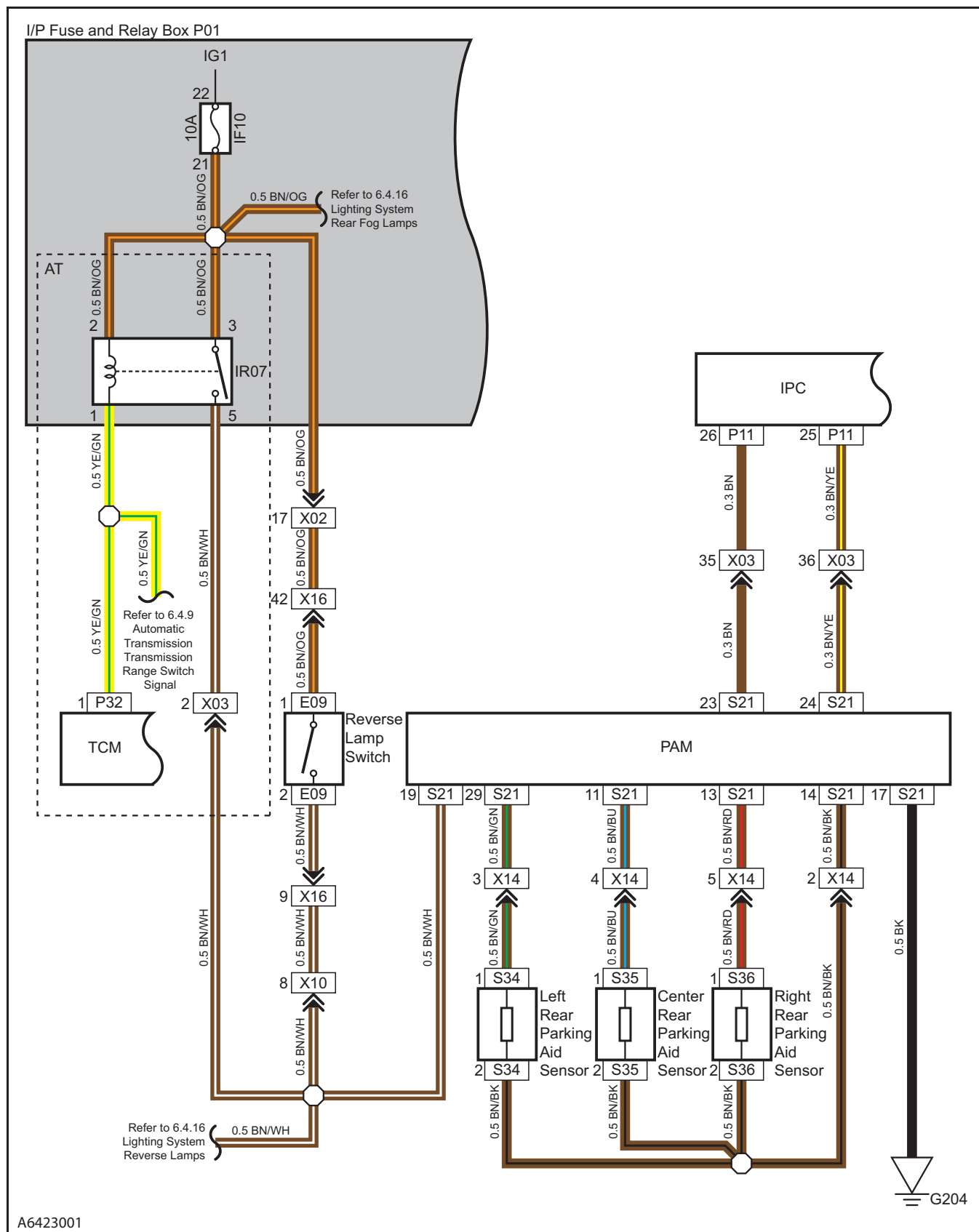
I/P Fuse and Relay Box



BCM Connector D

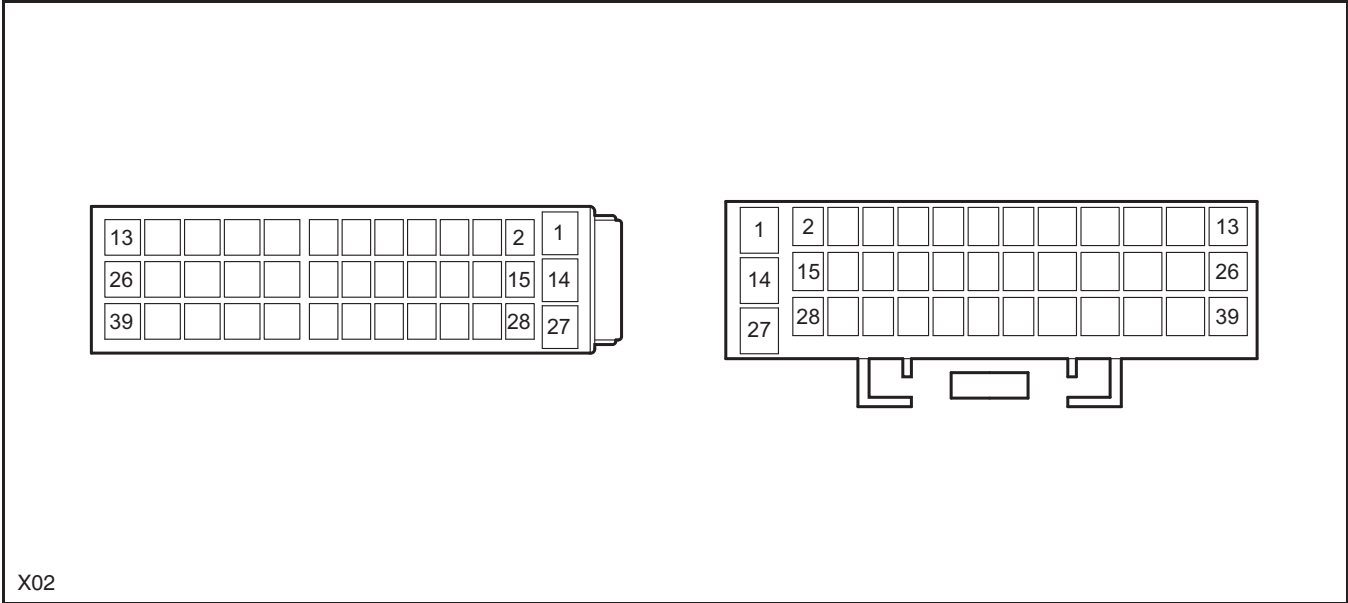
Sunroof Control Module Connector





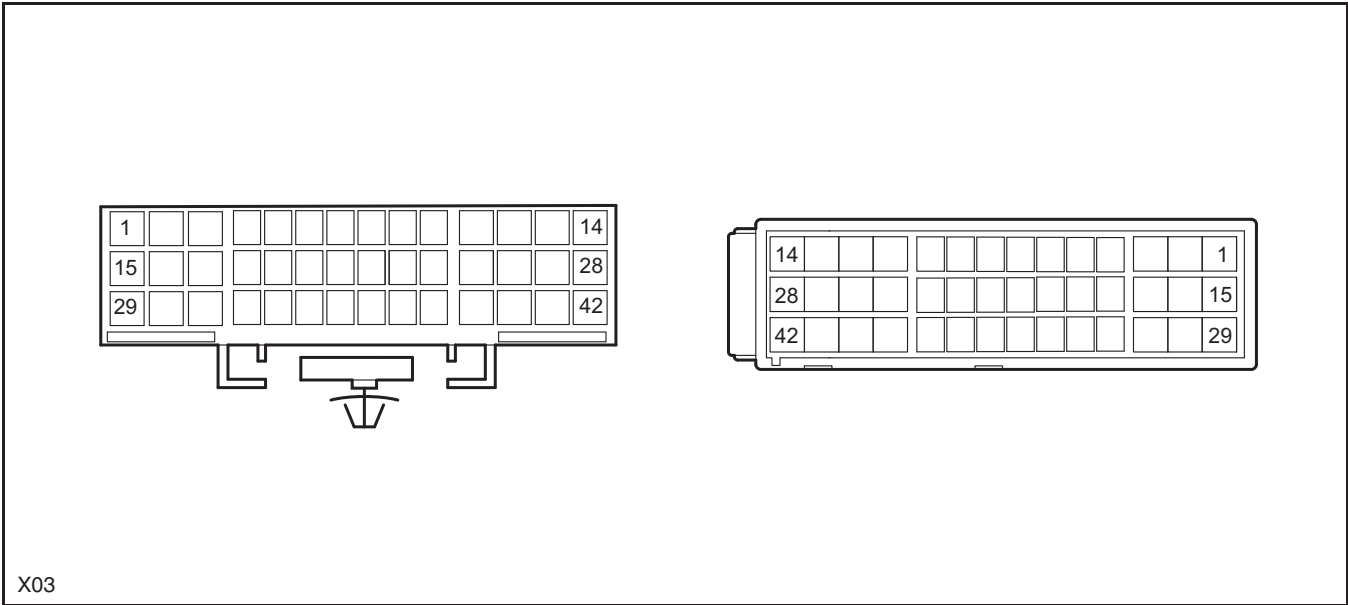
I/P Harness to Engine Compartment Harness Connector B

Engine Compartment Harness to I/P Harness Connector B



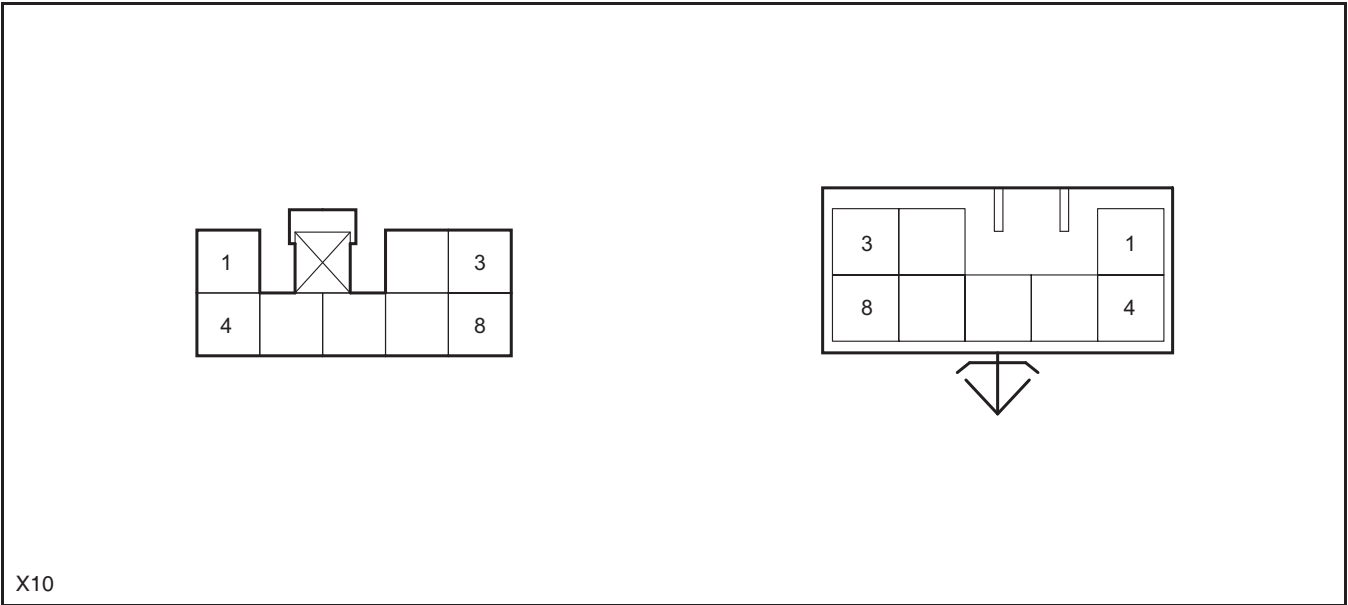
I/P Harness to Floor Harness Connector A

Floor Harness to I/P Harness Connector A



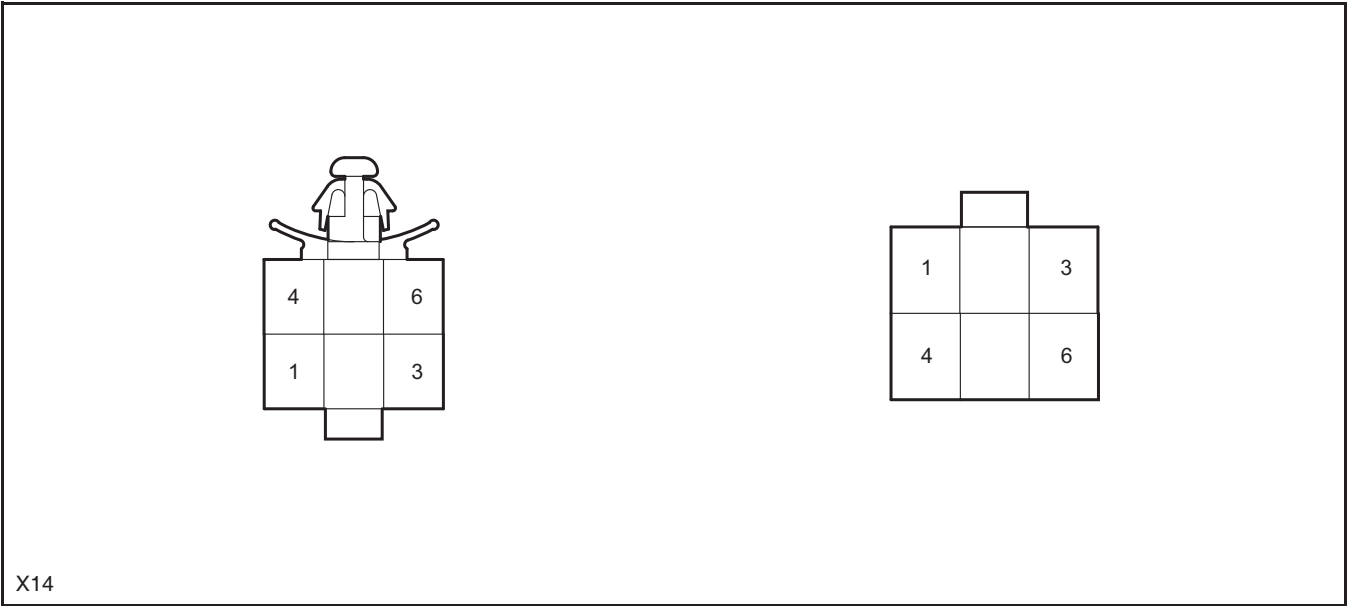
Floor Harness to Engine Compartment Harness Connector

Engine Compartment Harness to Floor Harness Connector



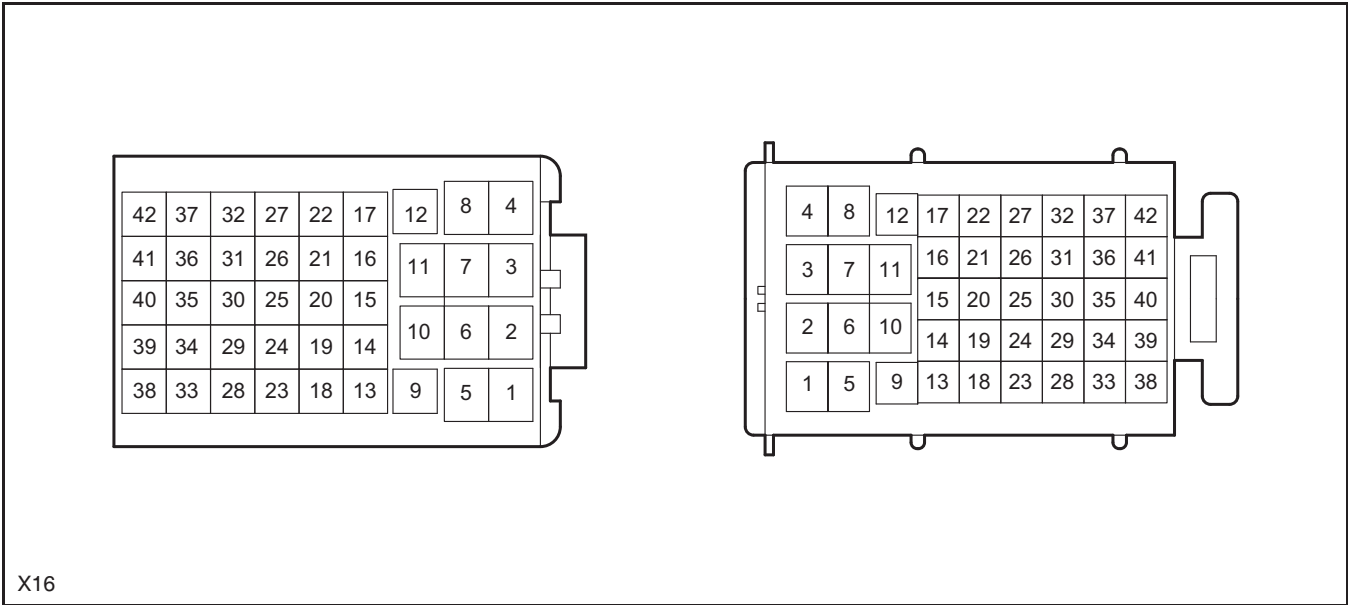
Floor Harness to Rear Bumper Harness Connector

Rear Bumper Harness to Floor Harness Connector

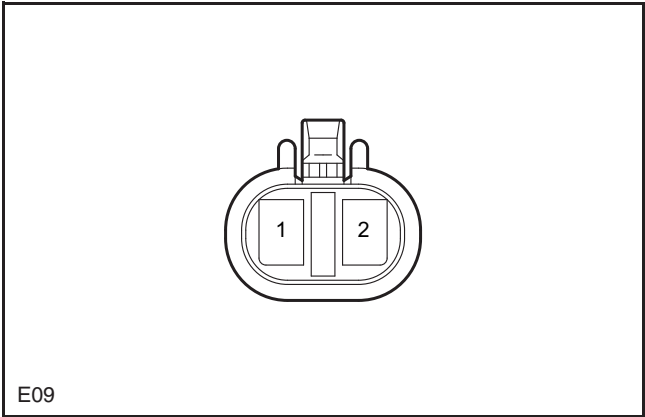


Engine Compartment Harness to Engine Harness
Connector

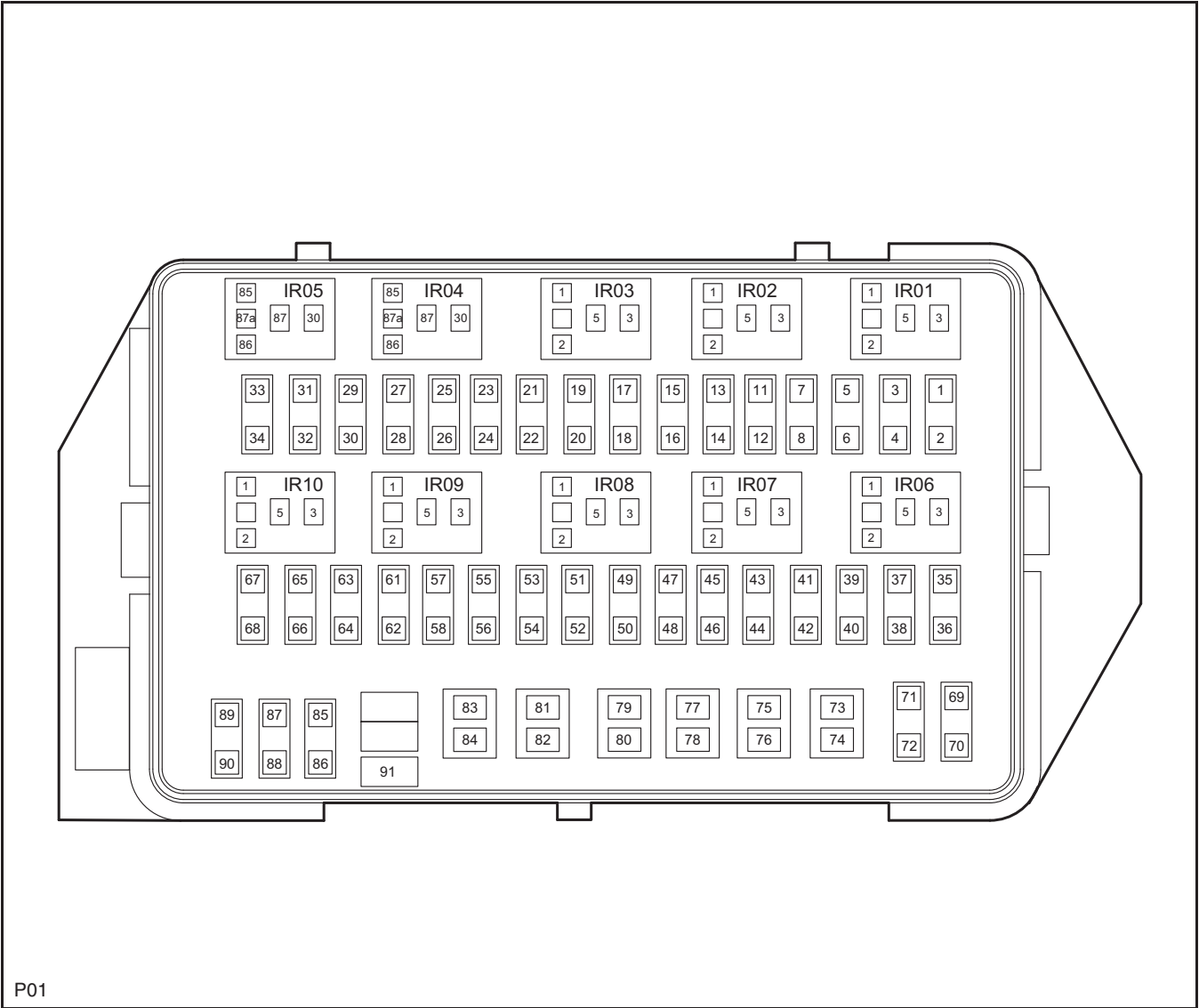
Engine Harness to Engine Compartment Harness
Connector



Reverse Lamp Switch Connector

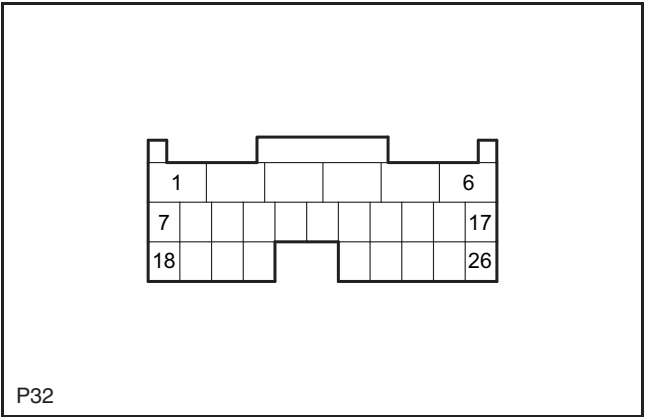
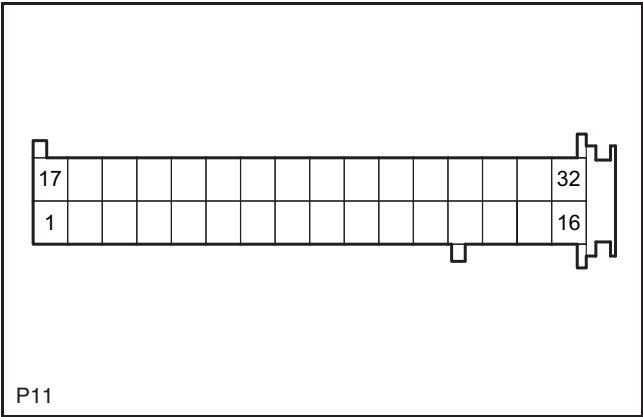


I/P Fuse and Relay Box

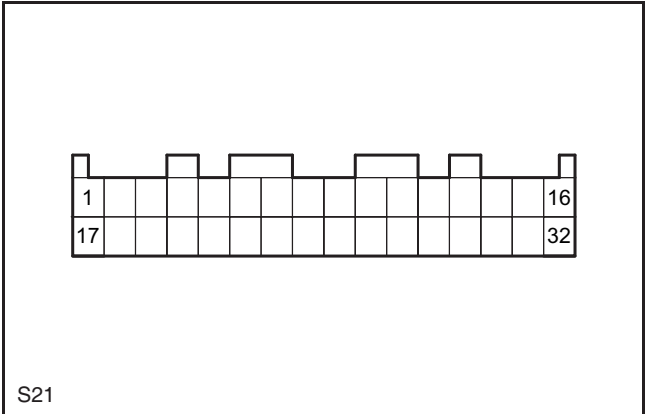


IPC Connector

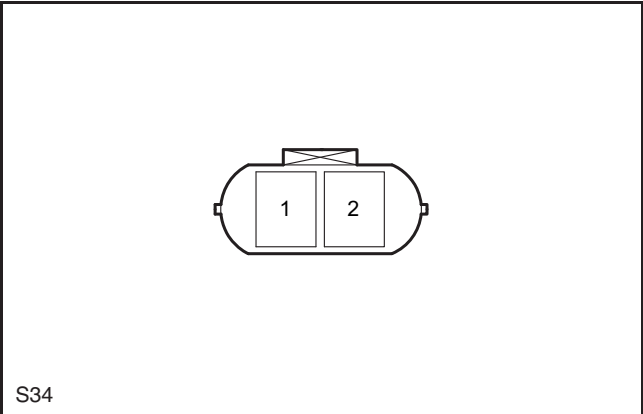
TCM Connector B



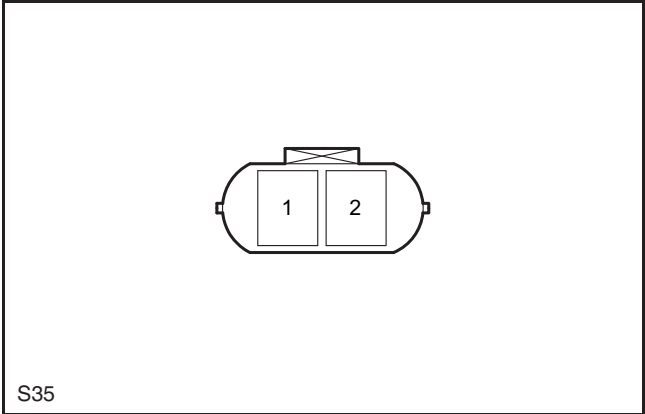
PAM Connector



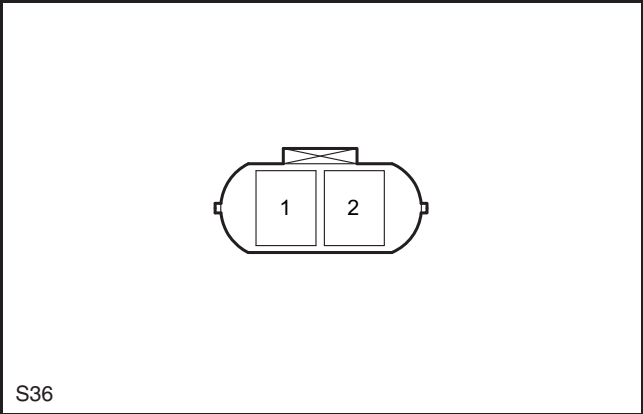
Left Rear Parking Aid Sensor Connector

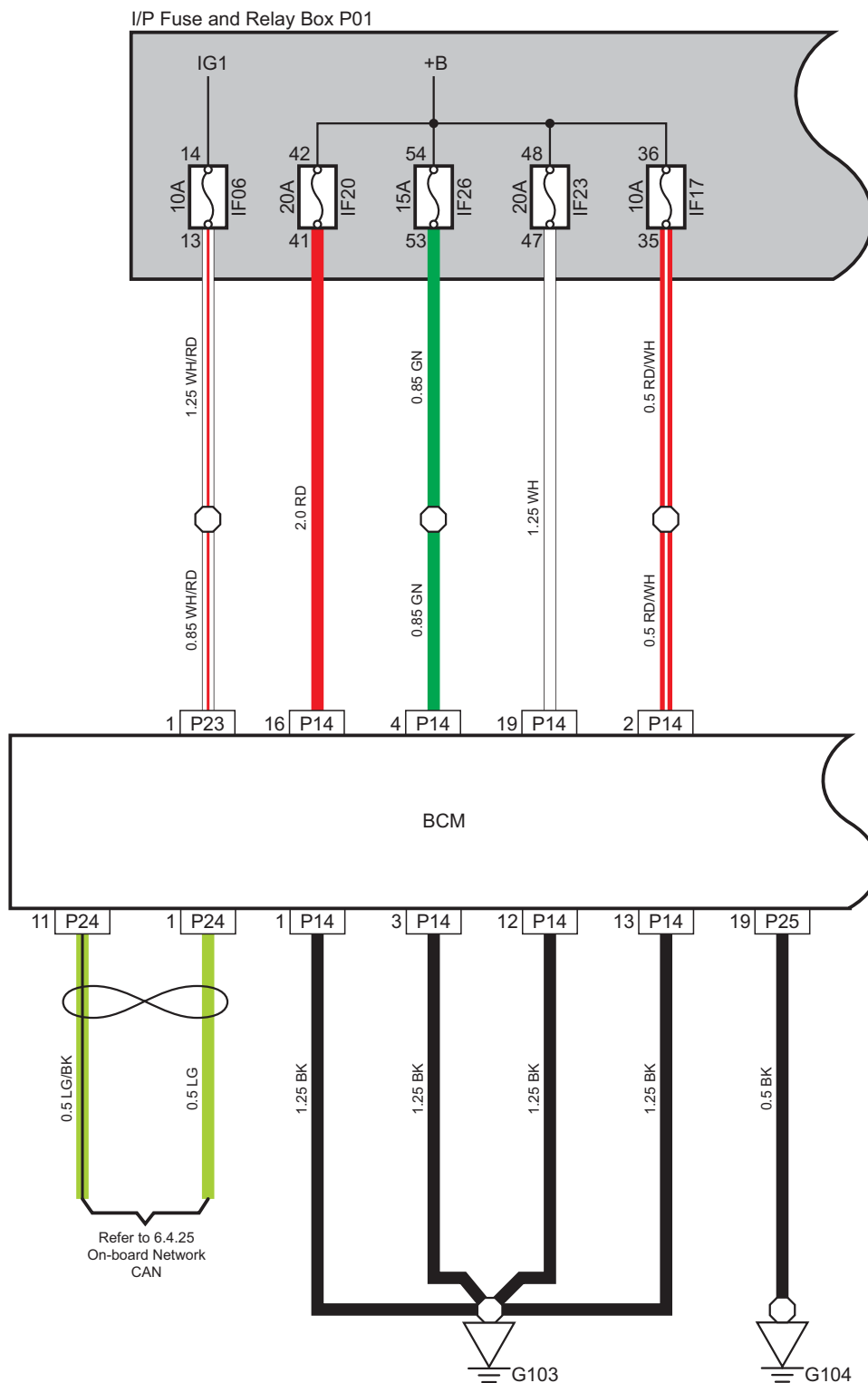


Center Rear Parking Aid Sensor Connector



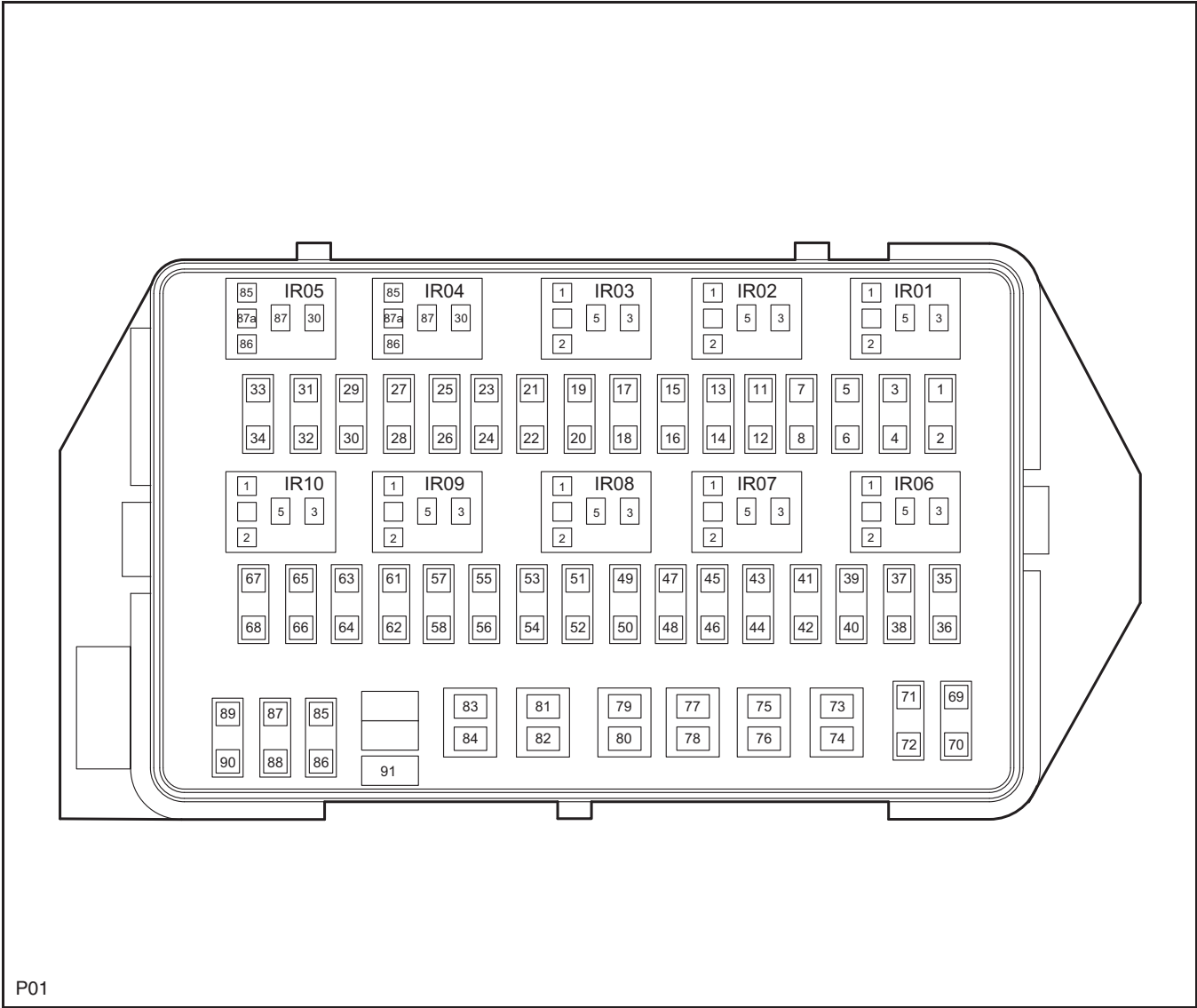
Right Rear Parking Aid Sensor Connector





A6424001

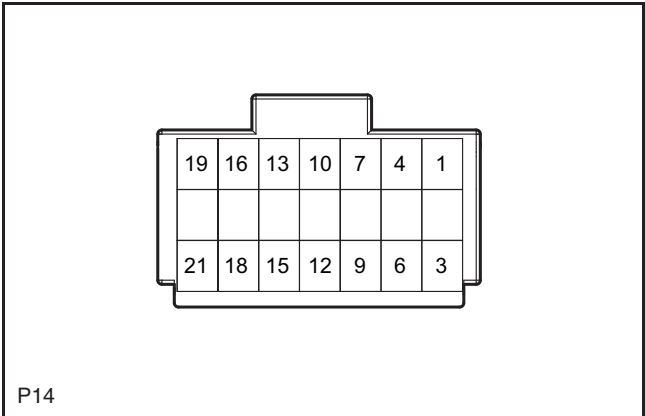
I/P Fuse and Relay Box



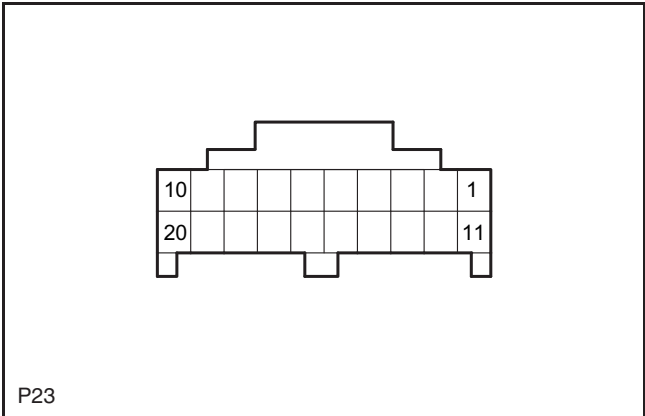
P01

BCM Connector A

BCM Connector C



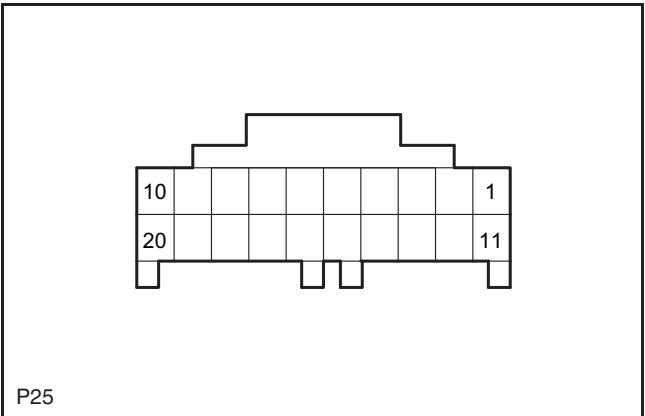
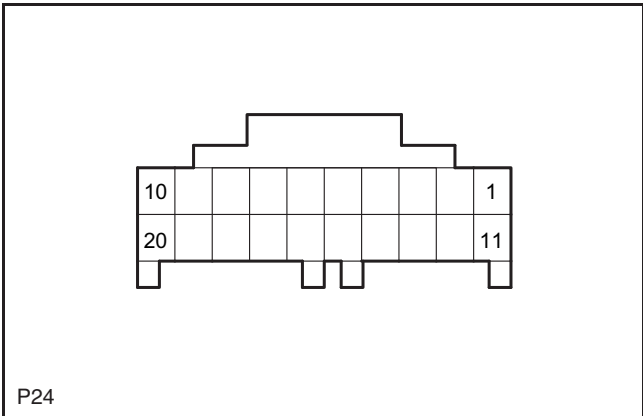
P14



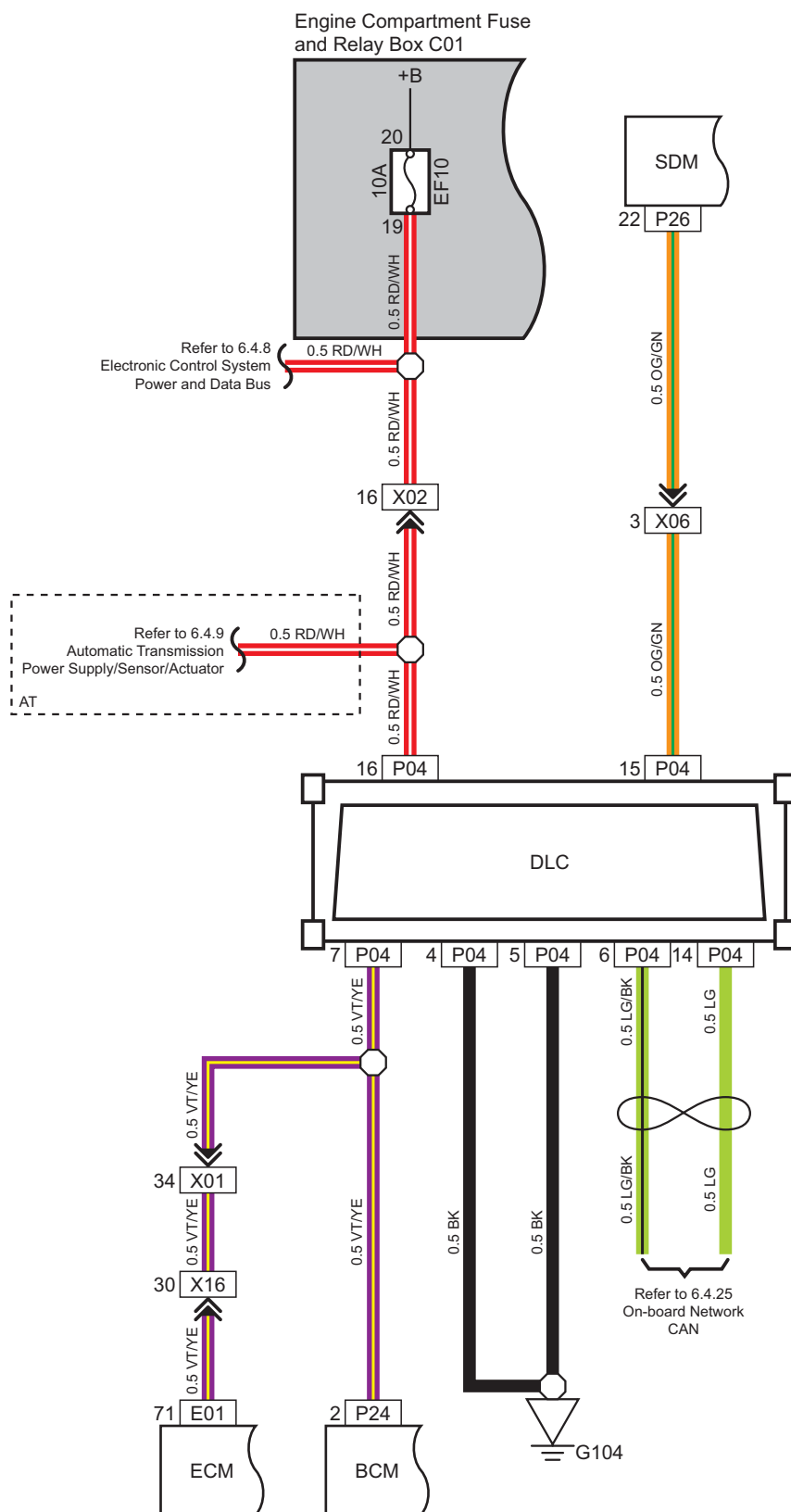
P23

BCM Connector D

BCM Connector E

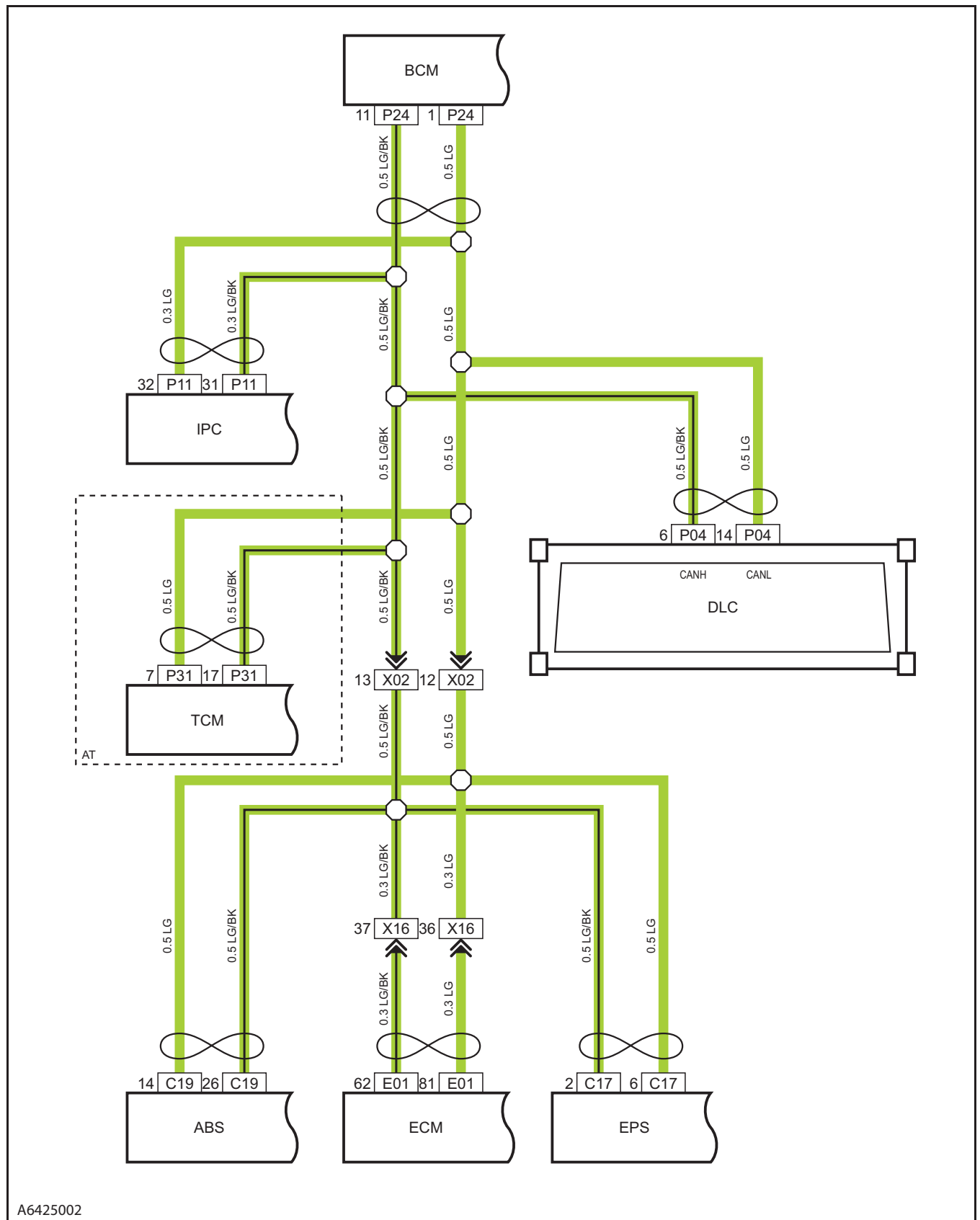


DLC



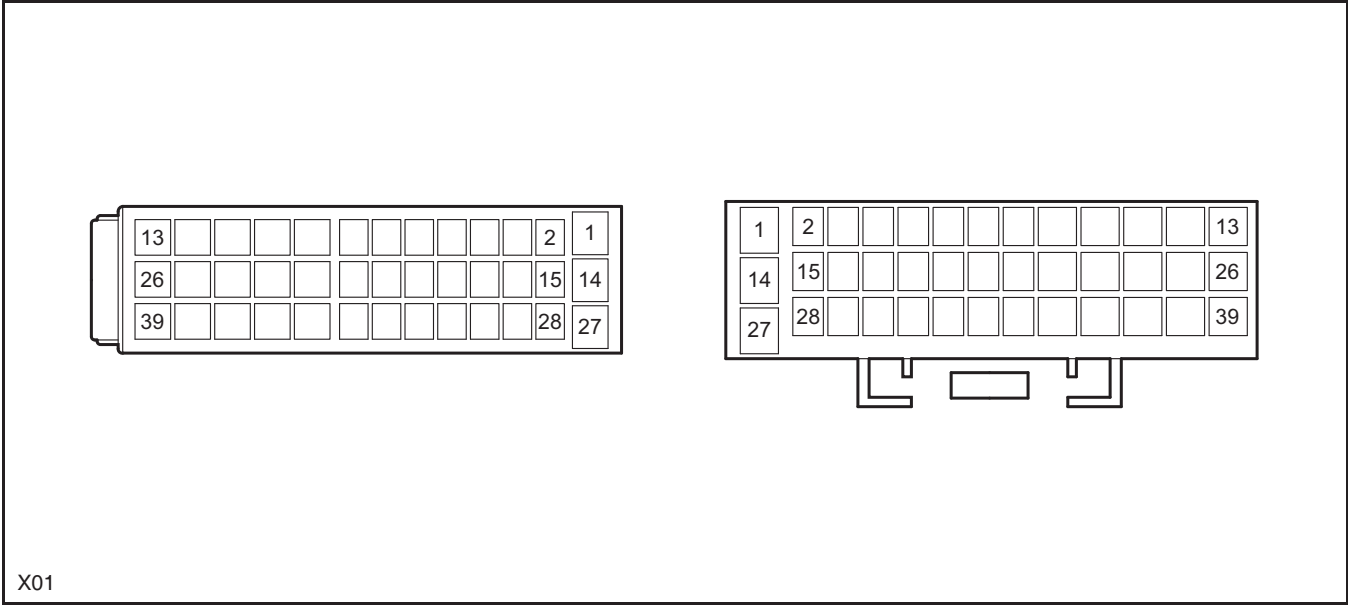
A6425001

CAN



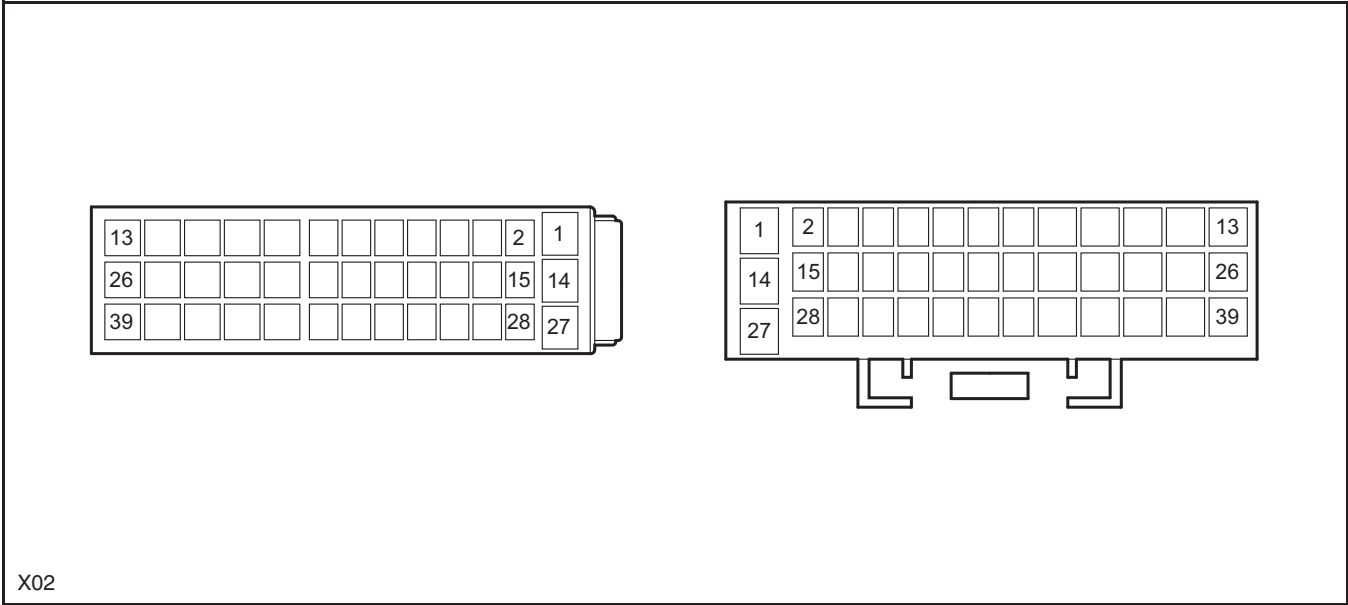
I/P Harness to Engine Compartment Harness Connector A

Engine Compartment Harness to I/P Harness Connector A



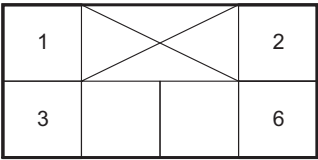
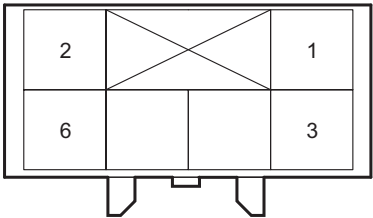
I/P Harness to Engine Compartment Harness Connector B

Engine Compartment Harness to I/P Harness Connector B



I/P Harness to Airbag Harness Connector

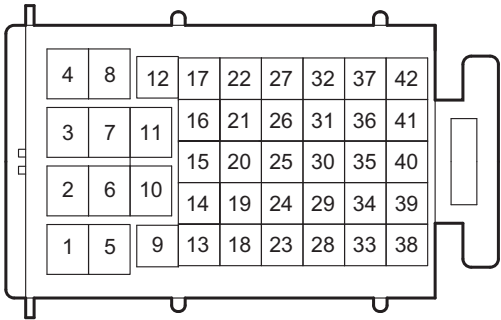
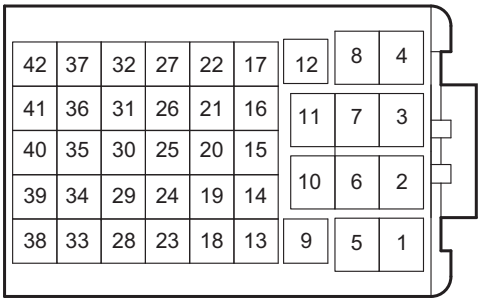
Airbag Harness to I/P Harness Connector



X06

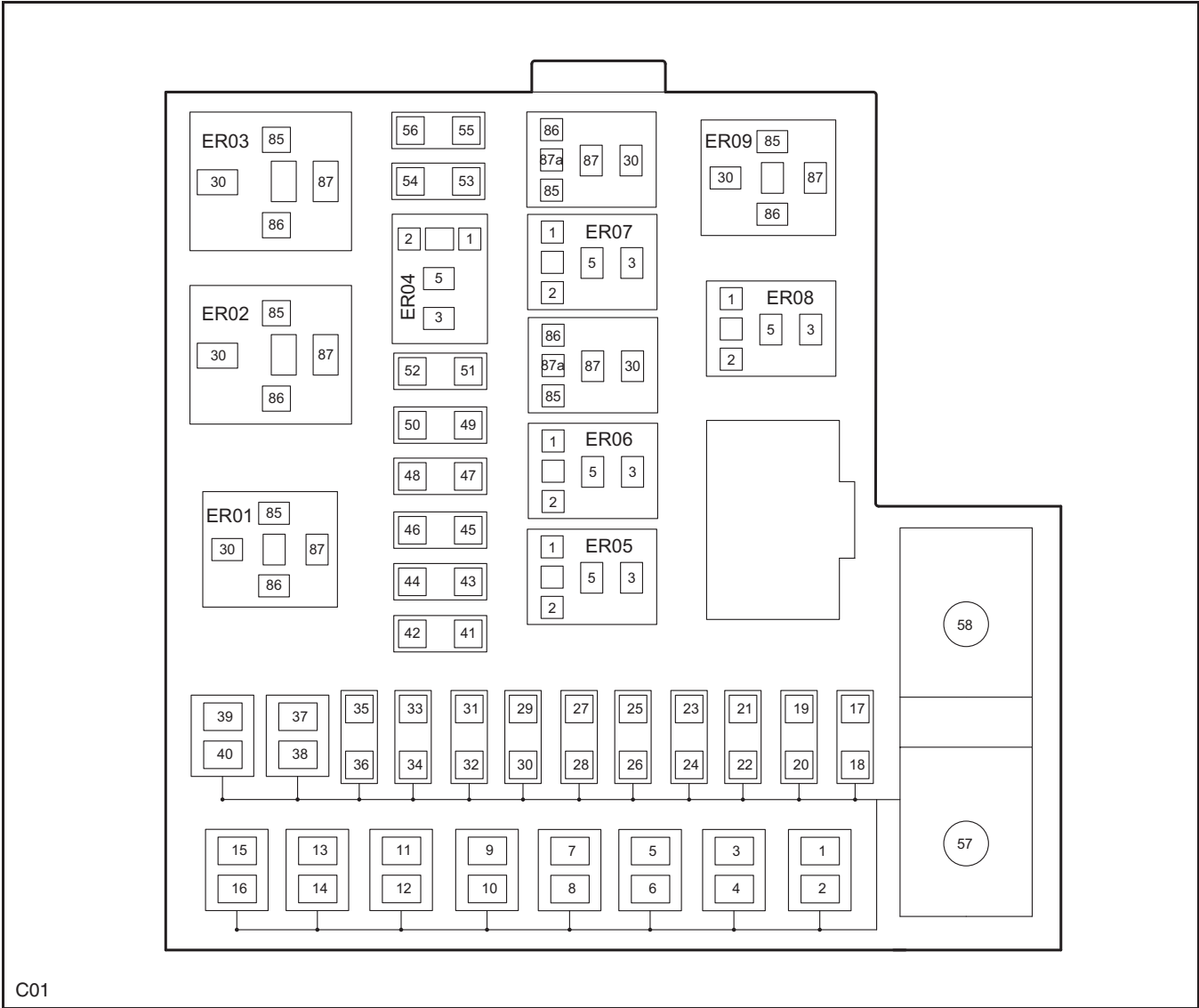
Engine Compartment Harness to Engine Harness Connector

Engine Harness to Engine Compartment Harness Connector



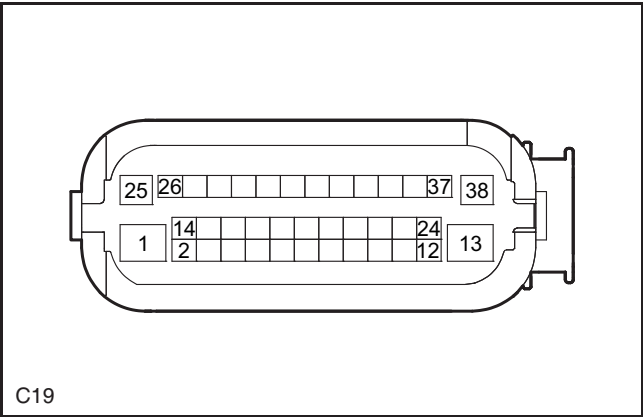
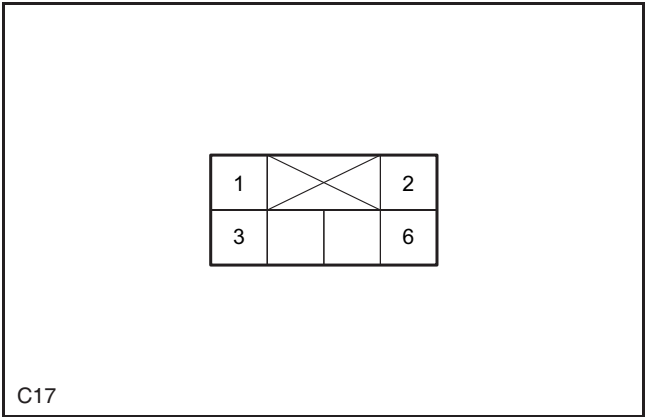
X16

Engine Compartment Fuse and Relay Box

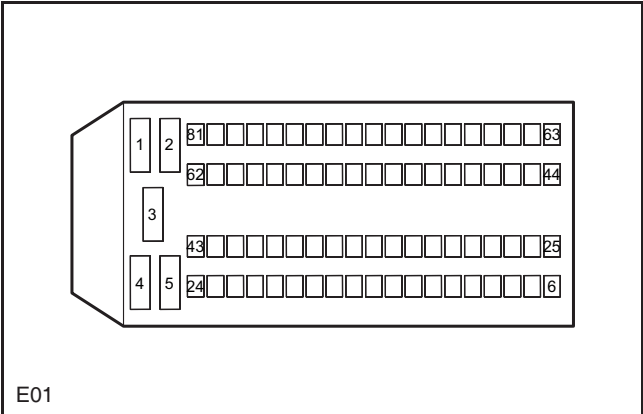


EPS Connector

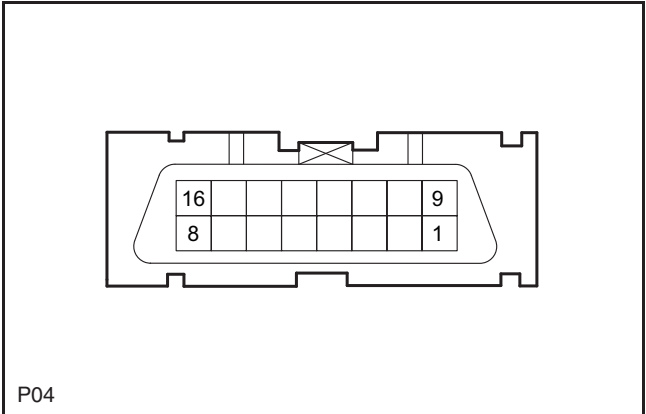
ABS Connector



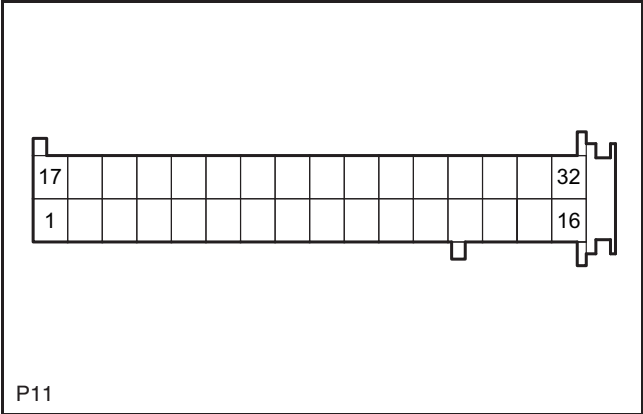
ECM Connector



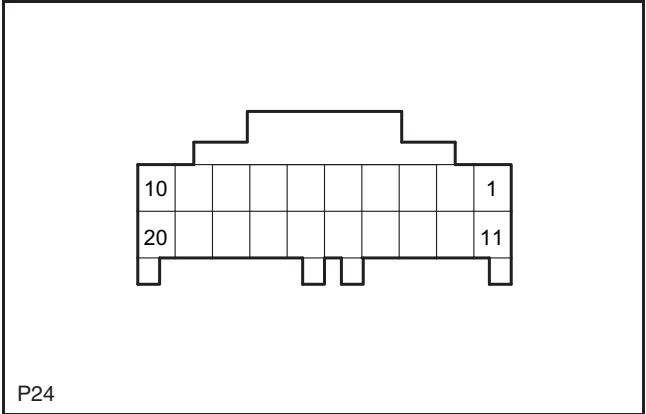
DLC Connector



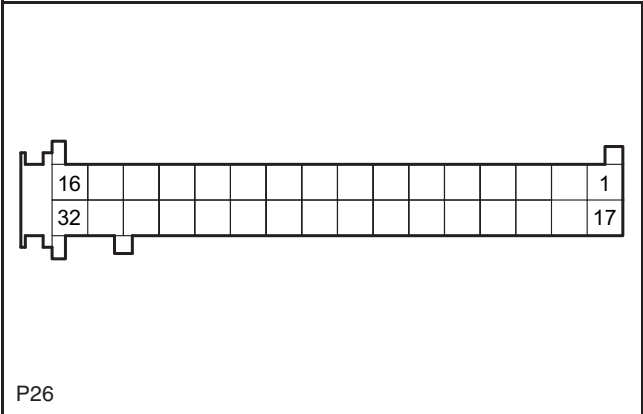
IPC Connector



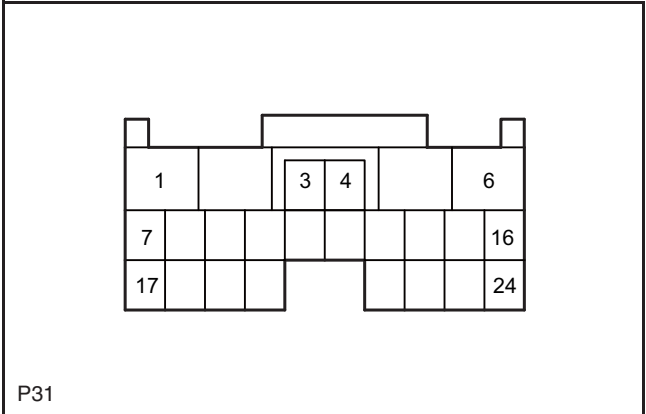
BCM Connector D



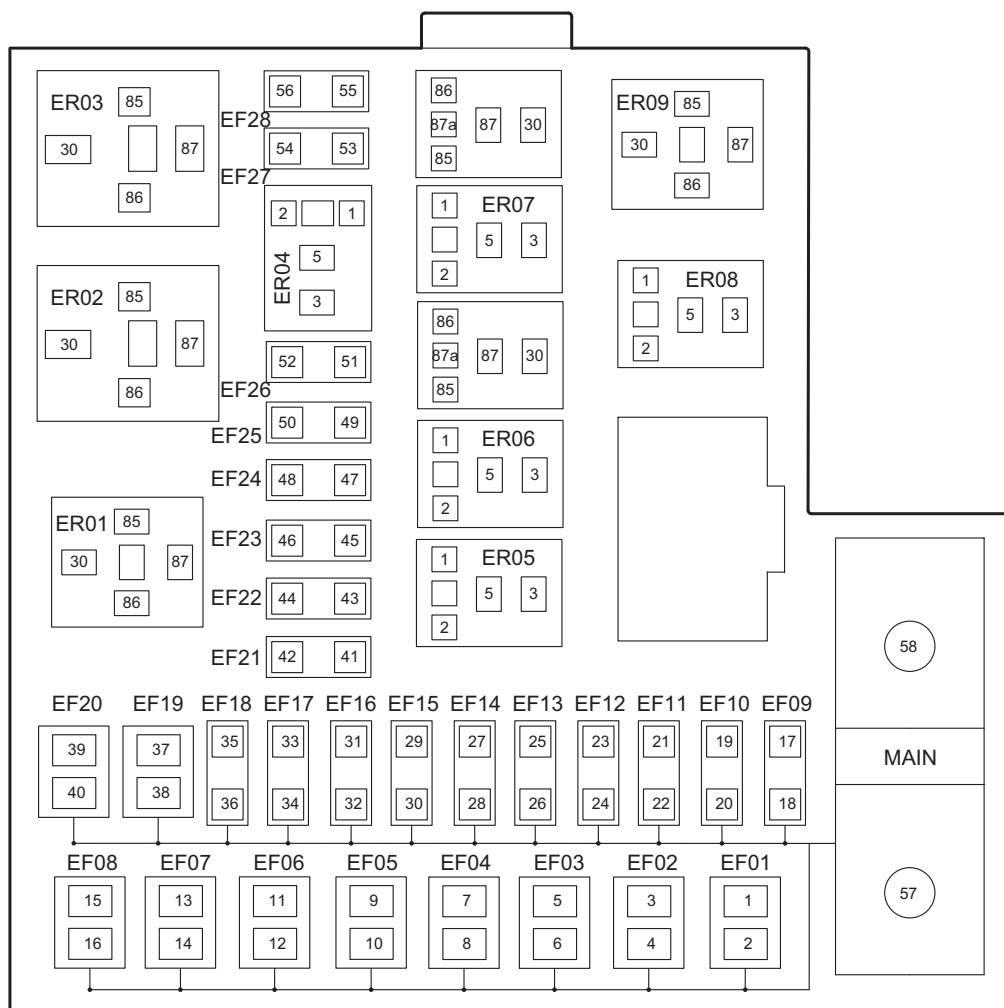
SDM Connector



TCM Connector A



Engine Compartment Fuse and Relay Box



A6501001

Relays

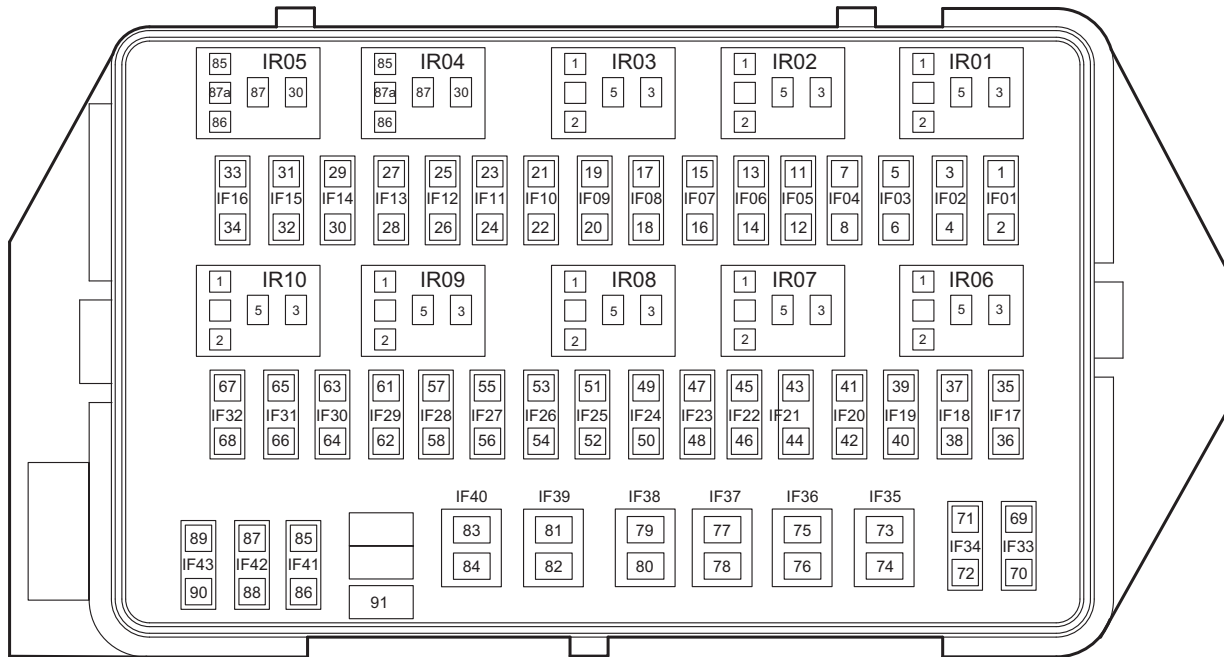
Code	Application	Description
ER01	Low speed fan relay	-
ER02	High speed fan relay	-
ER03	Main relay	-
ER04	Fuel Pump relay	-
ER05	High beam relay	-
ER06	Low beam relay	-
ER07	Starter relay	-
ER08	Compressor relay	-
ER09	Blower relay	-

Fuses

Code	Application	Rated Current (A)	Description
EF01	Blower relay	30 A	-
EF02	Cooling fan relay	30 A	-
EF03	ABS	40 A	-
EF04	-	-	-
EF05	I/P fuse and relay box	40 A	-
EF06	Ignition switch A	40 A	-
EF07	Ignition switch B	40 A	-
EF08	I/P fuse and relay box	40 A	-
EF09	Main relay	30 A	-
EF10	DLC	10 A	-
EF11	Fuel pump relay	15 A	-
EF12	Compressor relay	10 A	-
EF13	-	-	-
EF14	Sunroof	25 A	-
EF15	ABS power supply	25 A	-
EF16	Starter relay	30 A	-
EF17	High beam relay	15 A	-
EF18	Low beam relay	15 A	-
EF19	-	-	-
EF20	-	-	-
EF21	Starter relay control	7.5 A	-
EF22	-	-	-
EF23	Injector	15 A	-
EF24	Ignition coil	15 A	-

Code	Application	Rated Current (A)	Description
EF25	Main relay control	15 A	-
EF26	-	-	-
EF27	Back-up fuse	10 A	-
EF28	Back-up fuse	15 A	-
EF29	Main fuse	150 A	-

I/P Fuse and Relay Box



A6501002

Relays

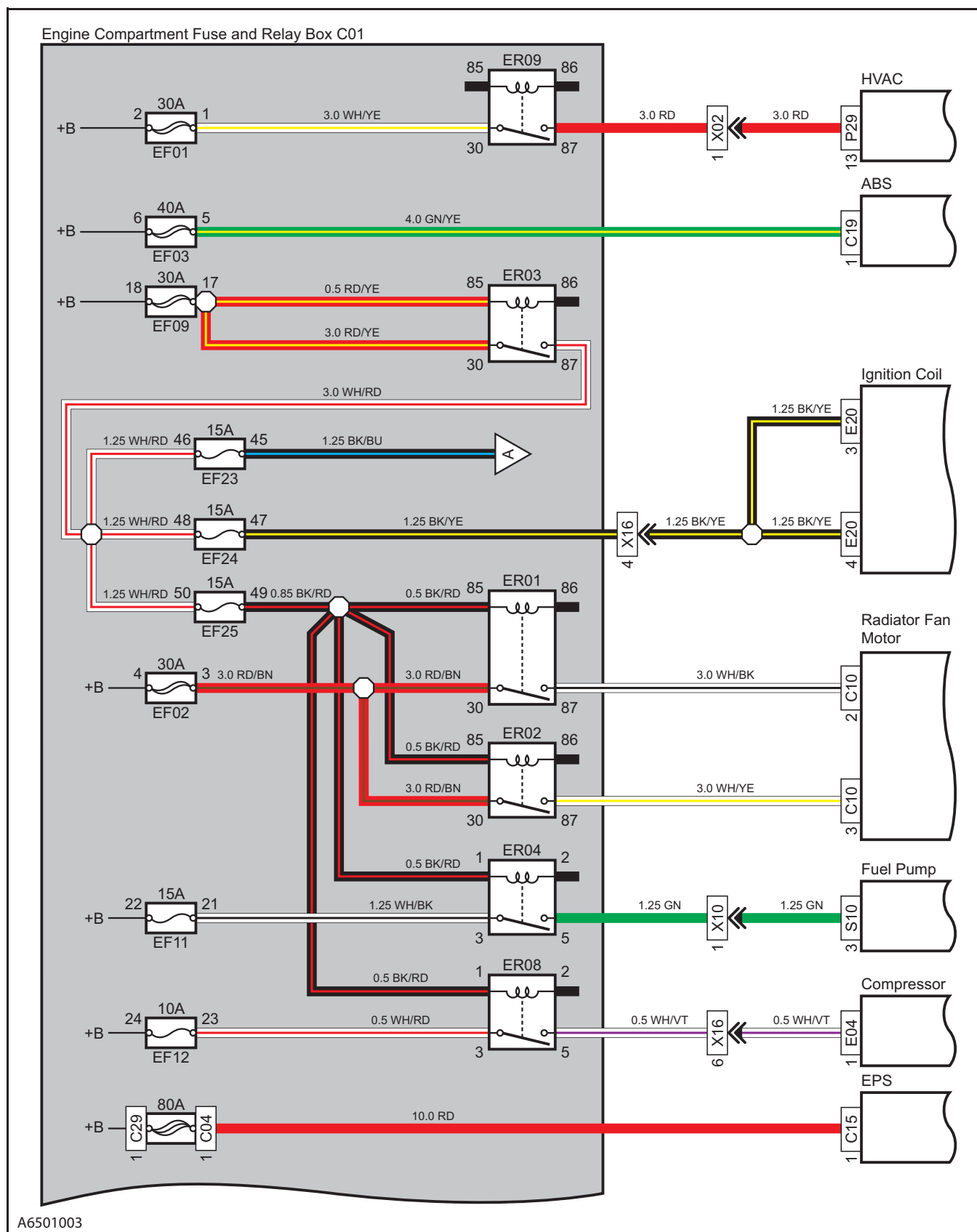
Code	Application	Description
IR01	Front fog lamp relay	AT, MT luxury
IR02	Rear fog lamp relay	-
IR03	Horn relay	-
IR04	-	-
IR05	-	-
IR06	Rear defrost relay	-
IR07	Reverse lamp switch relay	AT
IR08	Shift relay	AT
IR09	Up-down relay	-
IR10	Small lamp relay	-

Fuses

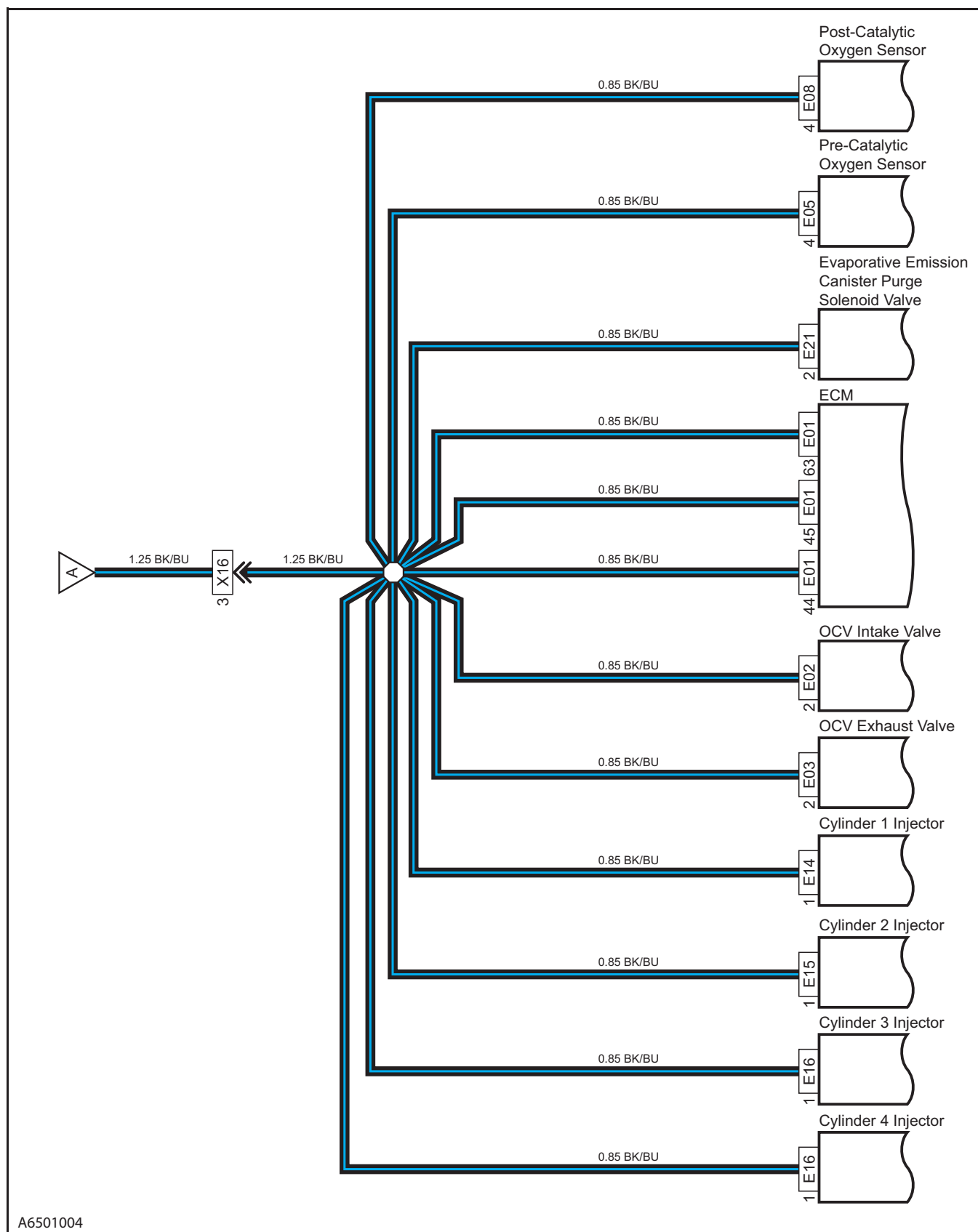
Code	Application	Rated Current (A)	Description
IF01	-	-	-
IF02	Blower	10 A	-
IF03	Wiper/washer	20 A	-
IF04	Shift relay	10 A	-
IF05	Alternator excitation	10 A	-
IF06	Instrument cluster	10 A	-
IF07	ABS	10 A	-
IF08	EPS	10 A	-
IF09	SRS	10 A	-
IF10	PAM	10 A	-
IF11	-	-	-
IF12	Audio	10 A	-
IF13	Cigarette Lighter	15 A	-
IF14	Back-up power	15 A	-
IF15	Rear power outlet power	15 A	-
IF16	Power rearview mirror	10 A	-
IF17	Theft-deterrent coil	10 A	-
IF18	Front fog lamp relay	15 A	-
IF19	Rear fog lamp relay	10 A	-
IF20	BCM central lock	20 A	-
IF21	Brake switch	10 A	-
IF22	Horn relay	15 A	-

Code	Application	Rated Current (A)	Description
IF23	Front wiper	20 A	-
IF24	Audio	15 A	-
IF25	Instrument cluster	10 A	-
IF26	BCM turn signal lamp	15 A	-
IF27	Rear defroster	25 A	-
IF28	-	-	-
IF29	Left power window switch	30 A	-
IF30	Right power window switch	30 A	-
IF31	Dome lamp & trunk lamp	10 A	-
IF32	Small lamp relay	10 A	-
IF33	-	-	-
IF34	-	-	-
IF35	-	-	-
IF36	-	-	-
IF37	-	-	-
IF38	-	-	-
IF39	-	-	-
IF40	-	-	-
IF41	Back-up fuse	20 A	-
IF42	Back-up fuse	15 A	-
IF43	Back-up fuse	10 A	-

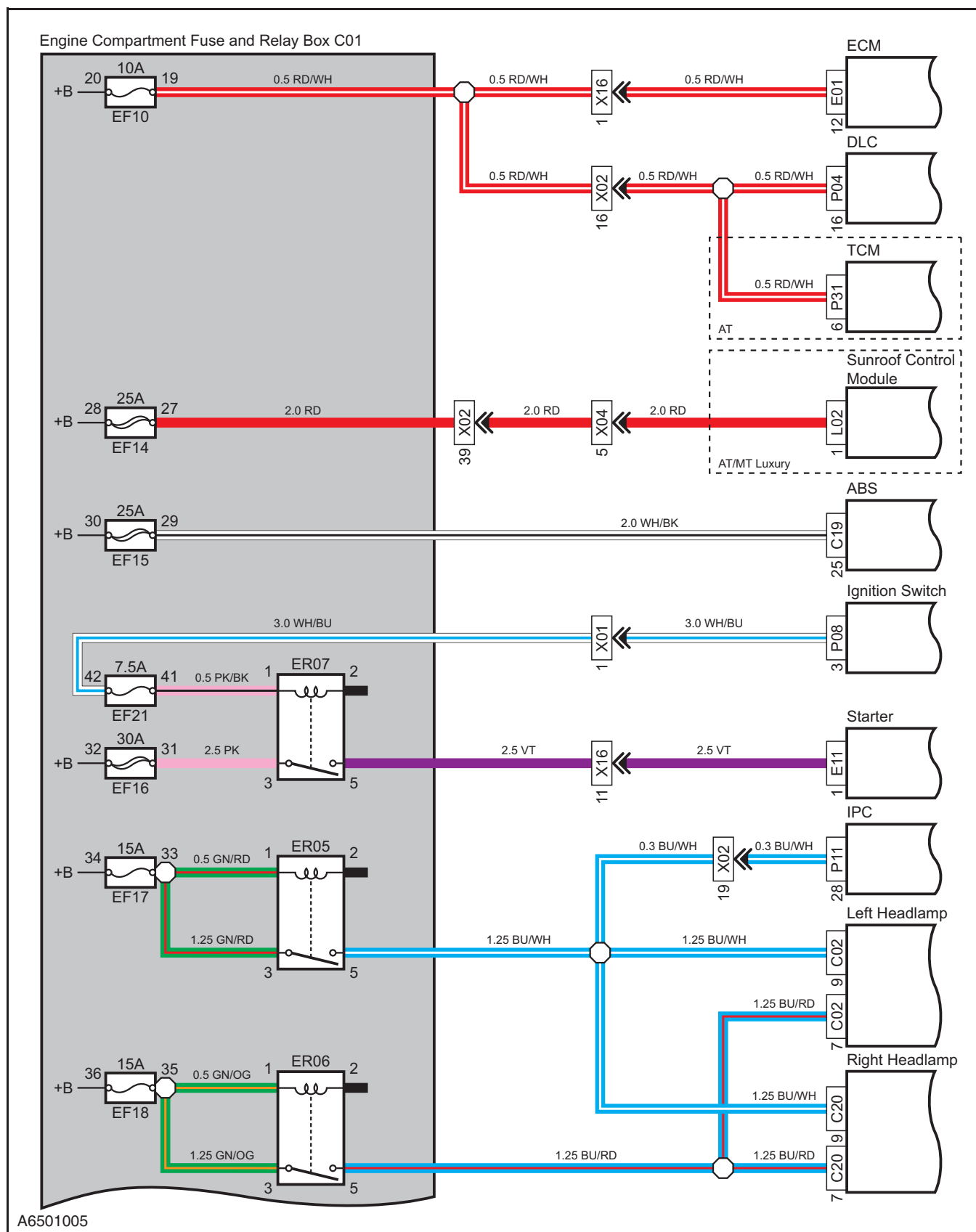
EF01 EF02 EF03 EF09 EF11 EF12 EF23 EF24 EF25



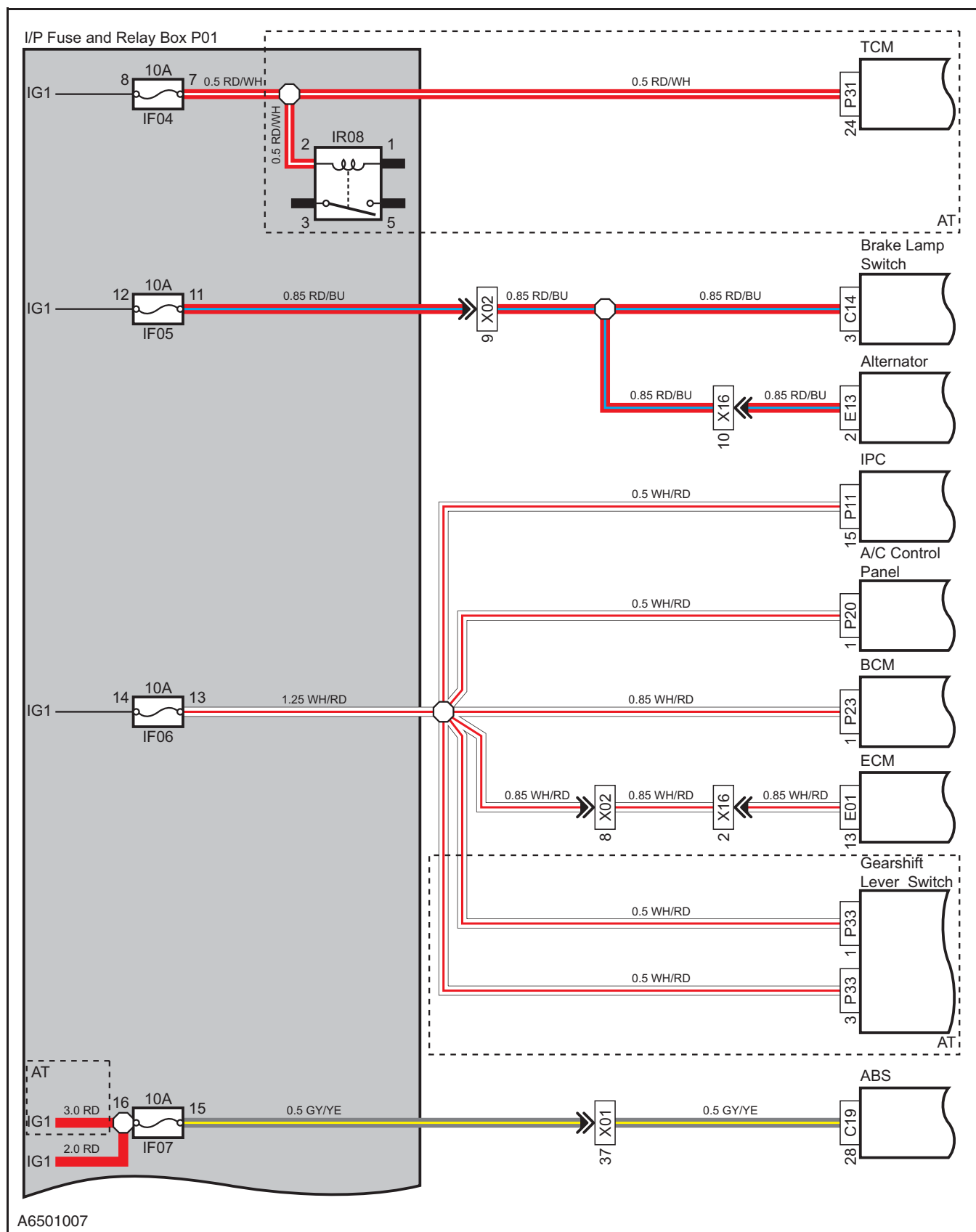
EF23 Continued



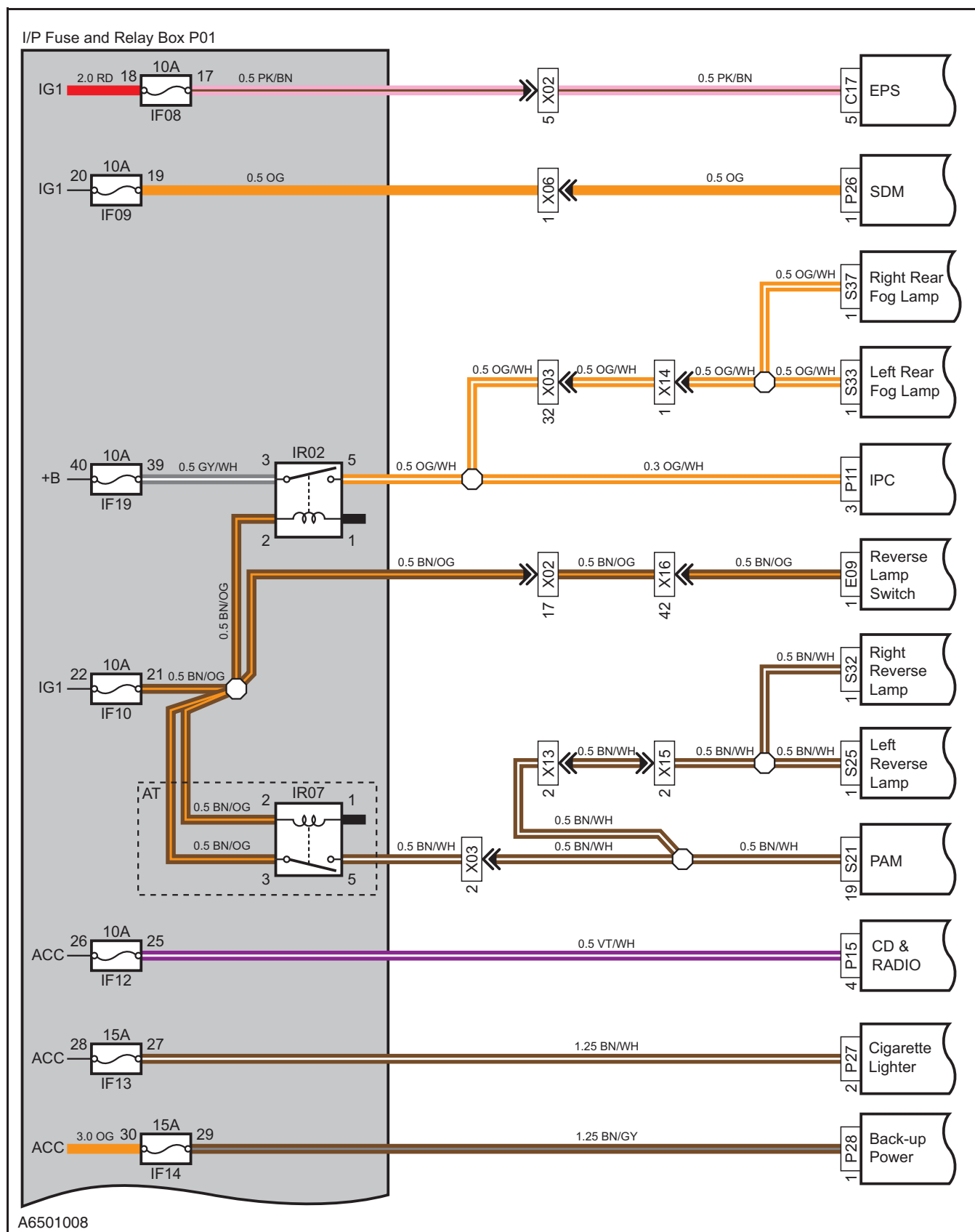
EF10 EF14 EF15 EF16 EF17 EF18 EF21



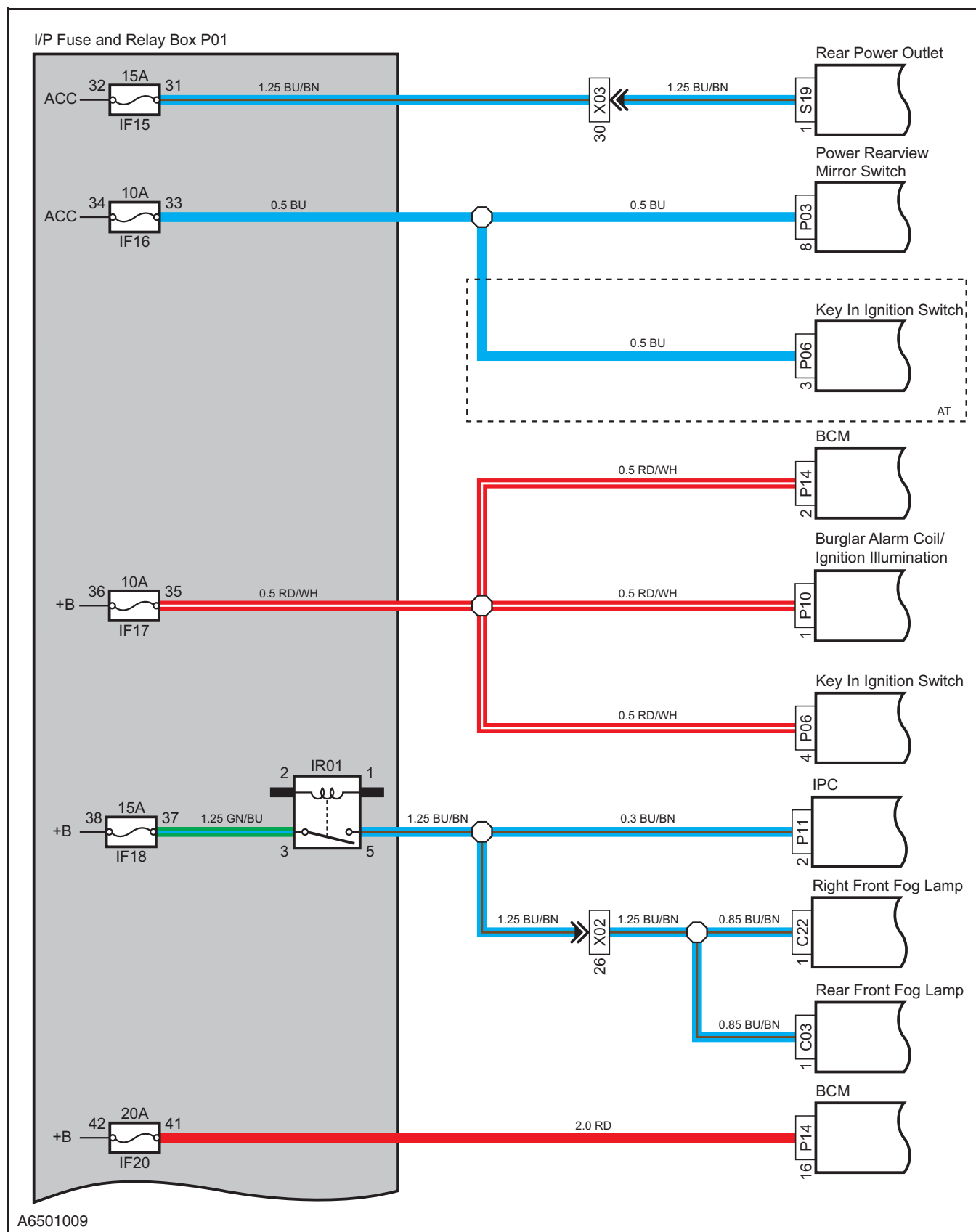
IF04 IF05 IF06 IF07



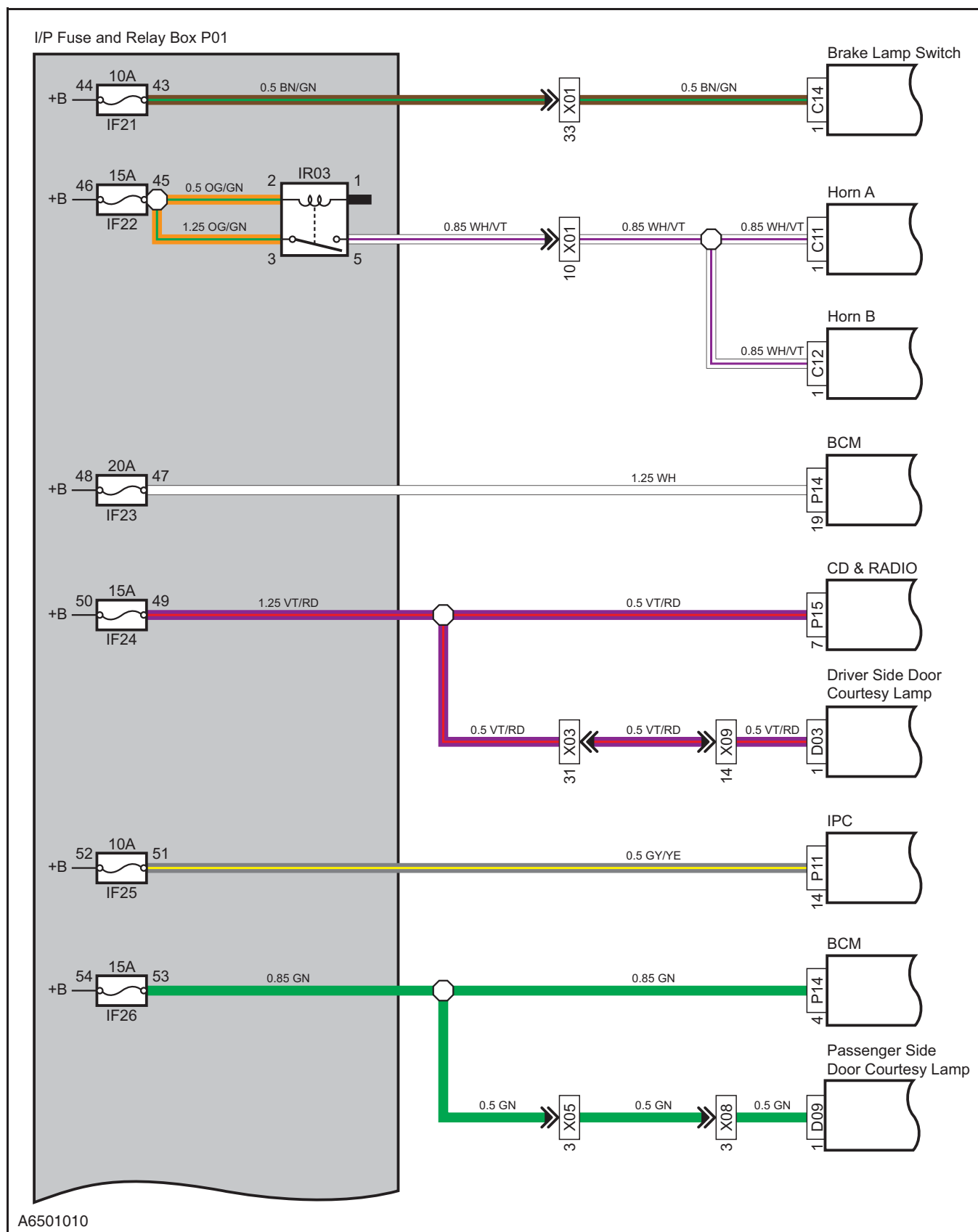
IF08 IF09 IF10 IF12 IF13 IF14 IF19



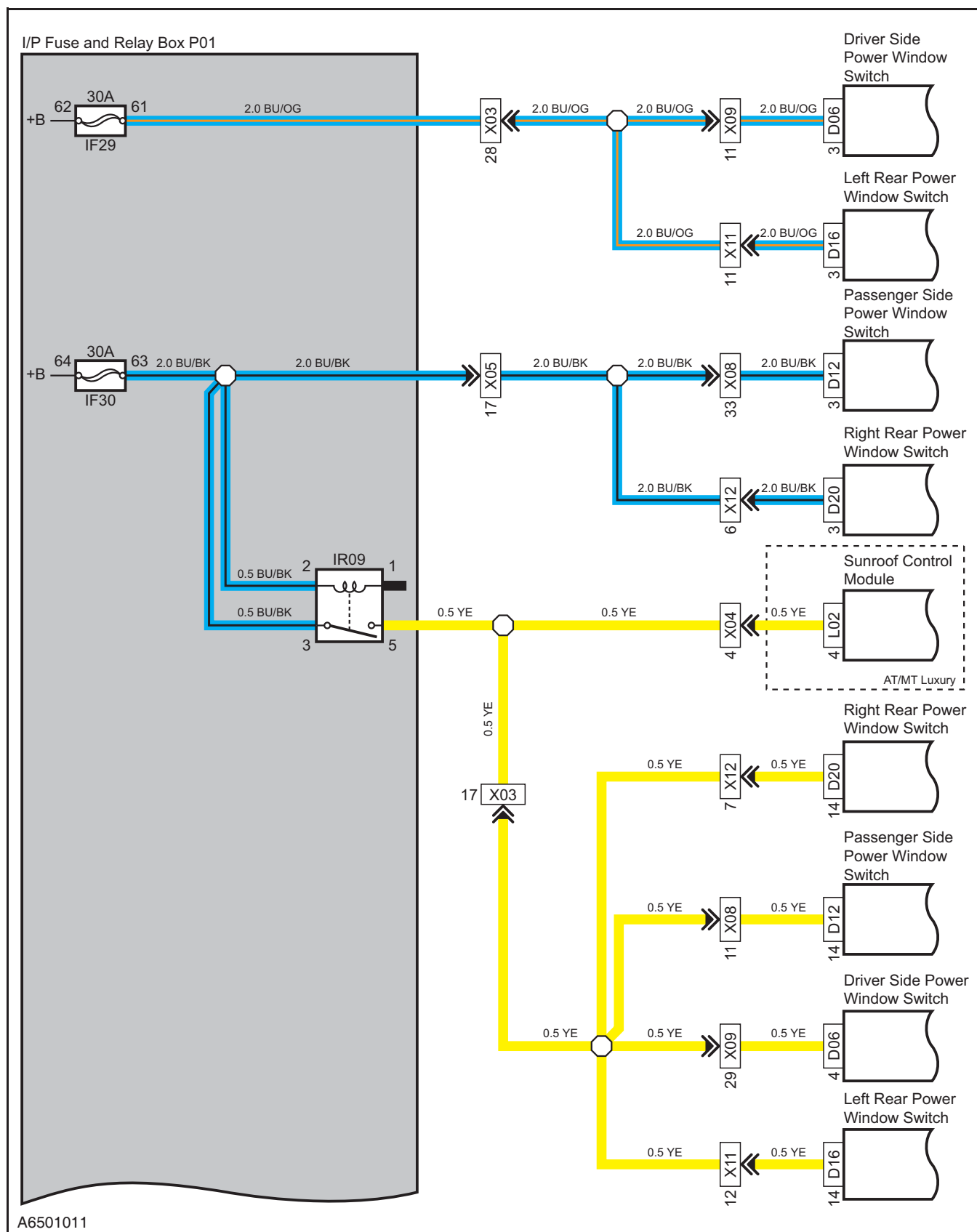
IF15 IF16 IF17 IF18 IF20



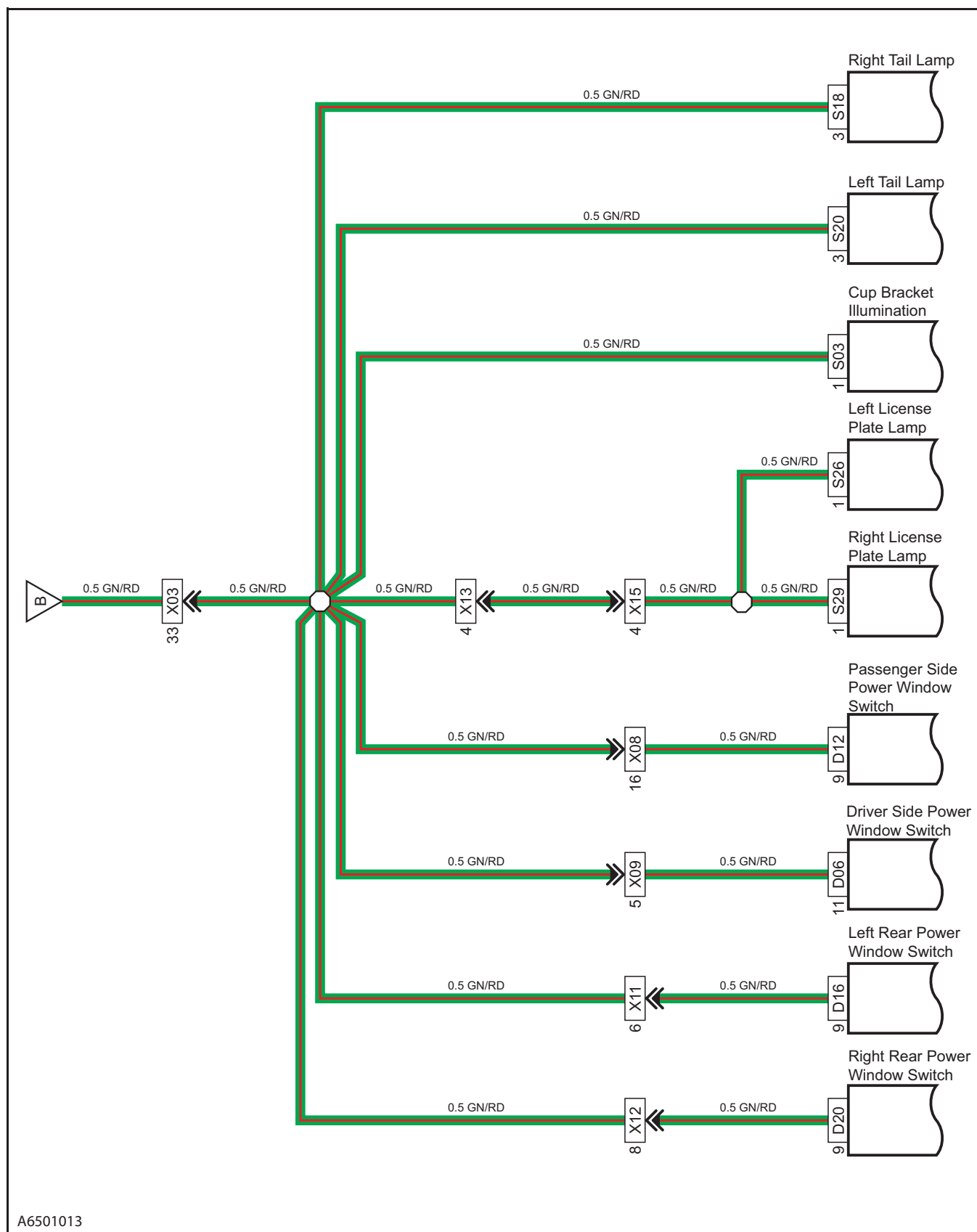
IF21 IF22 IF23 IF24 IF25 IF26



IF29 IF30

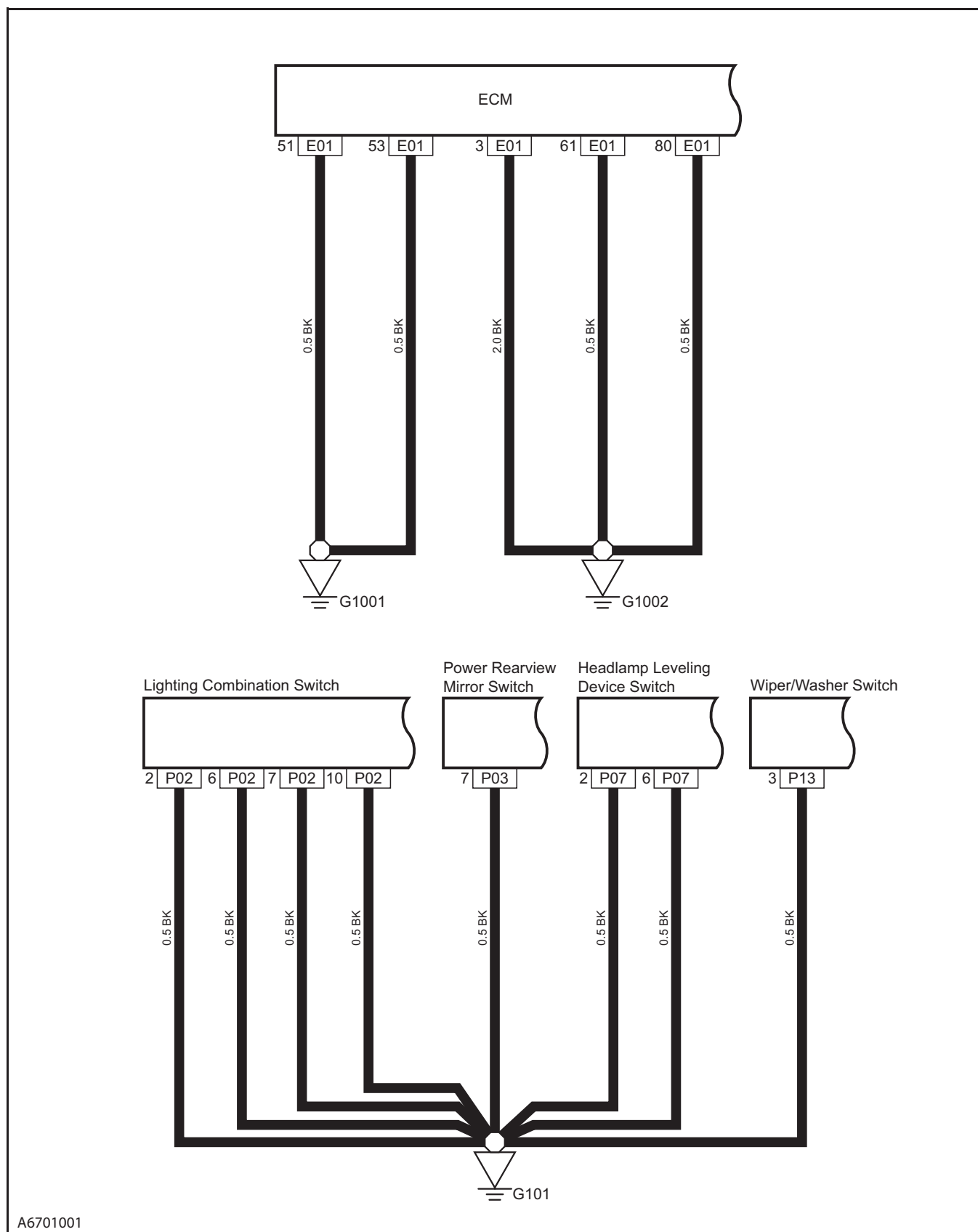


IF32 Continued

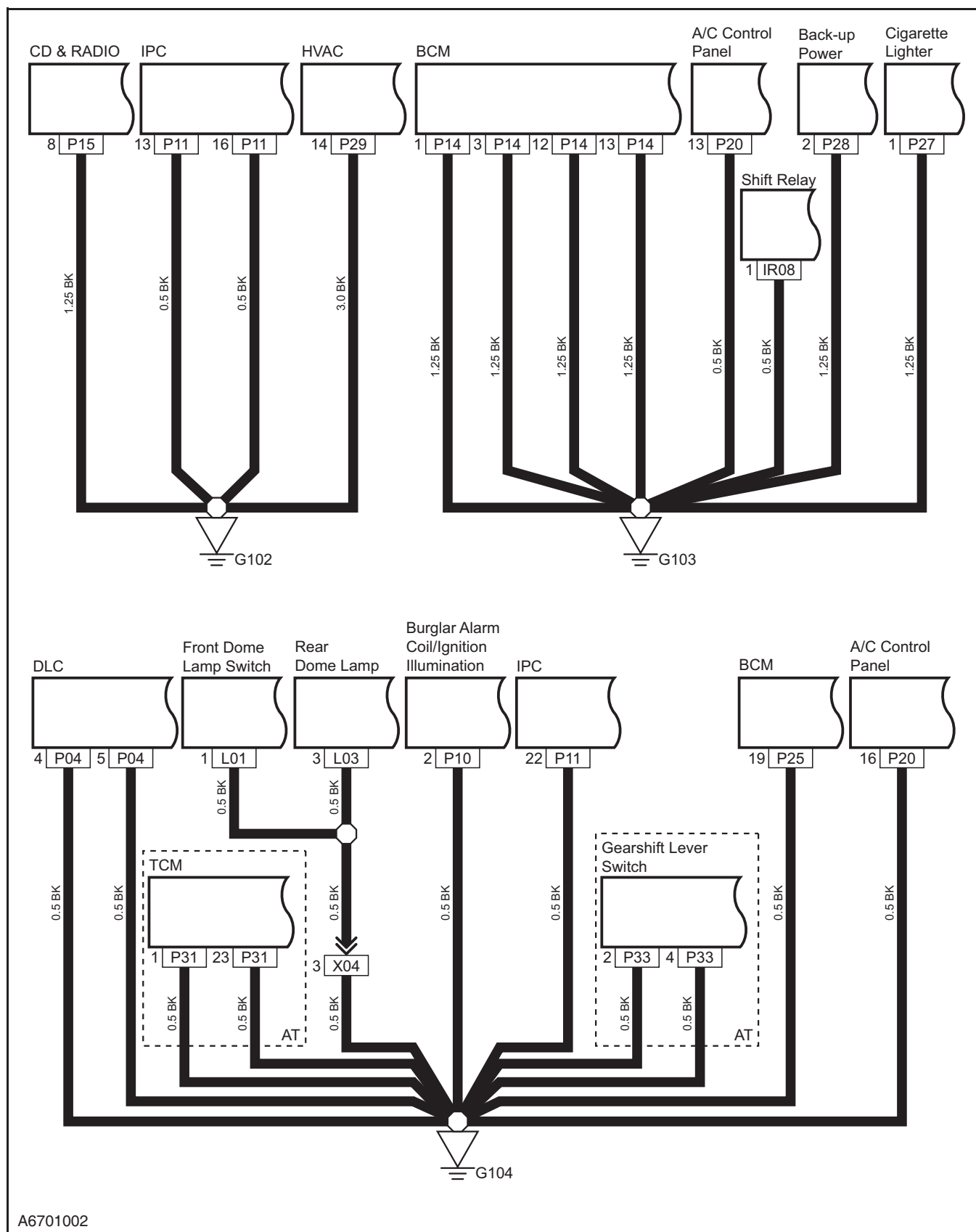


www.cargeek.ir

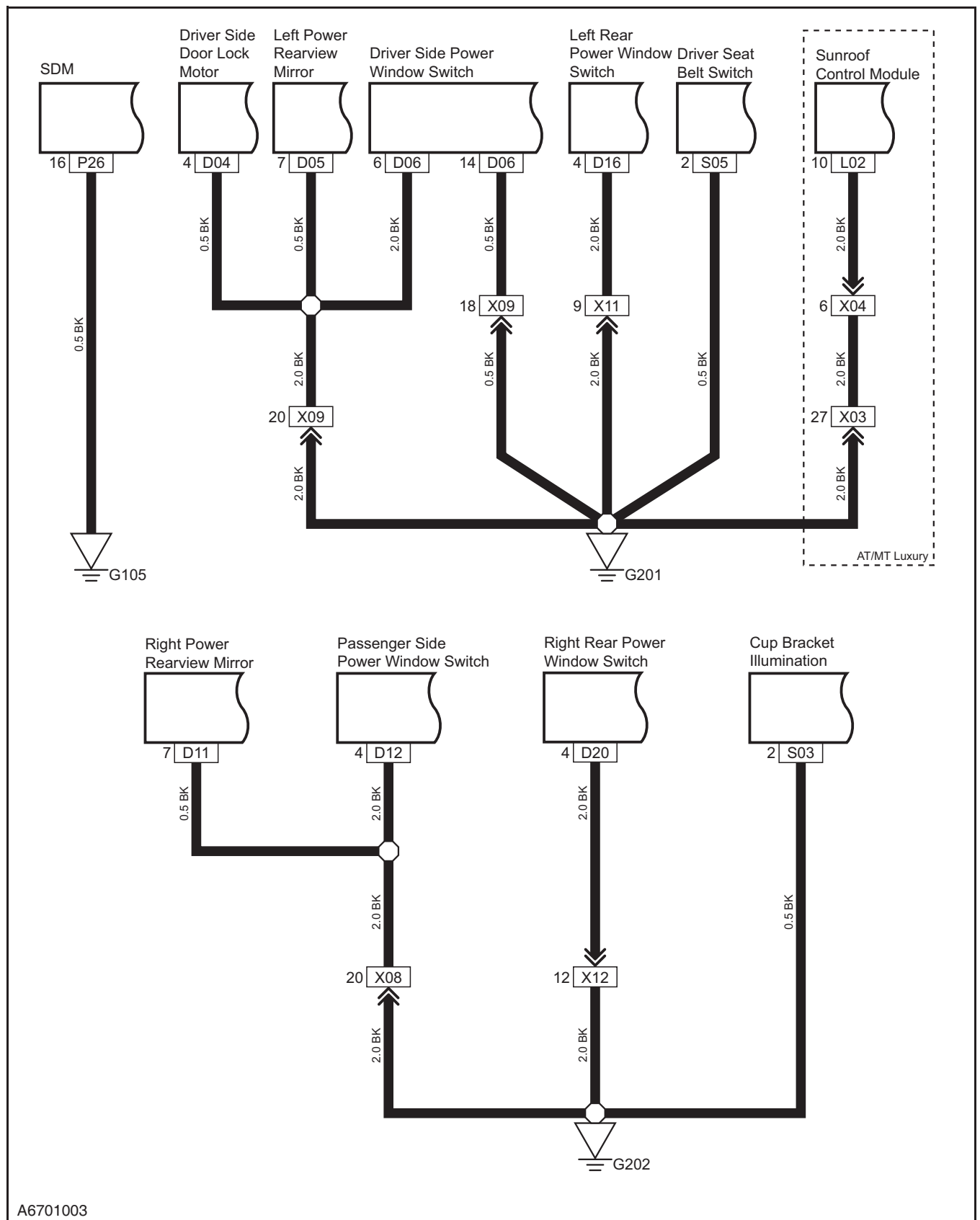
G1001 G1002 G101



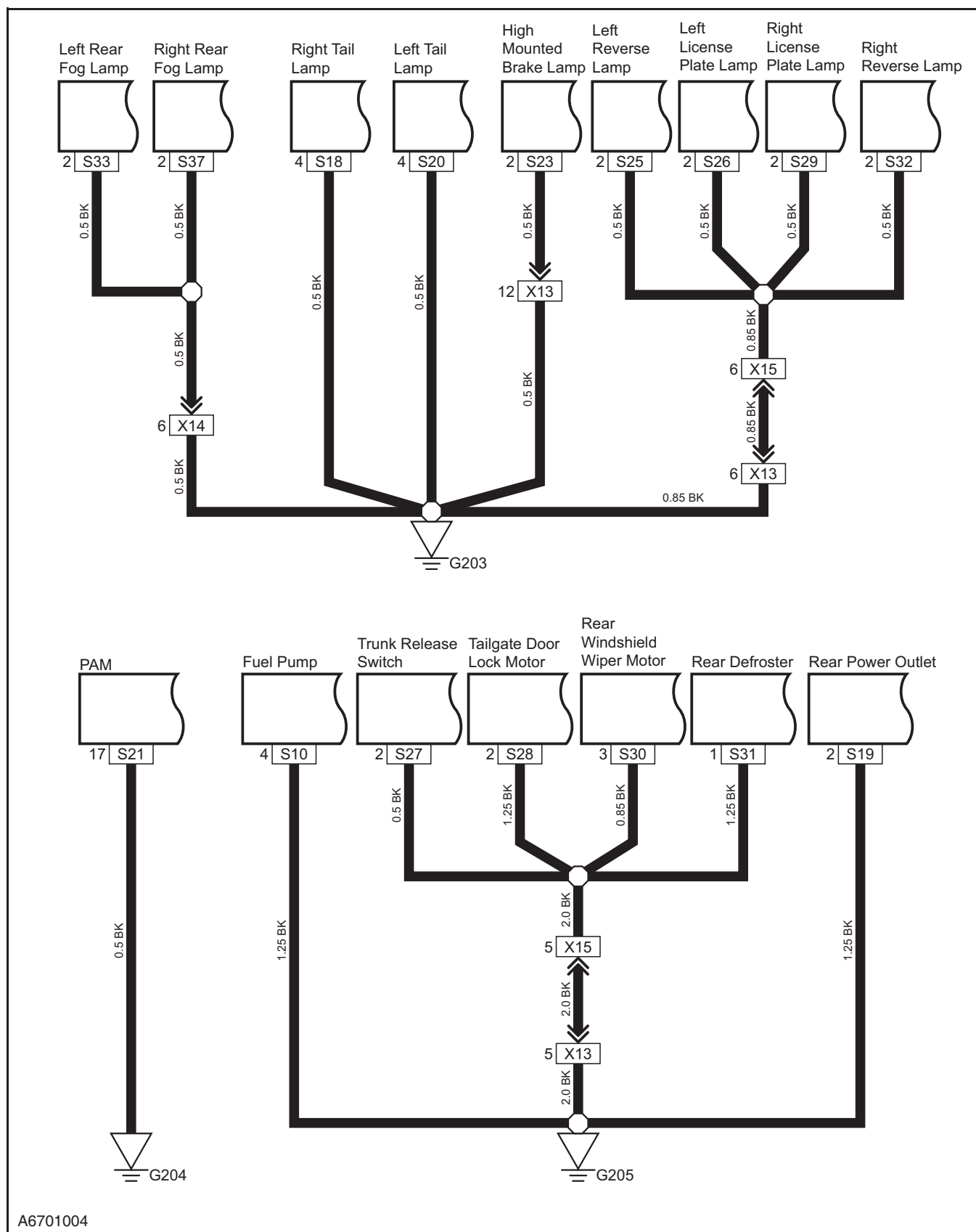
G102 G103 G104



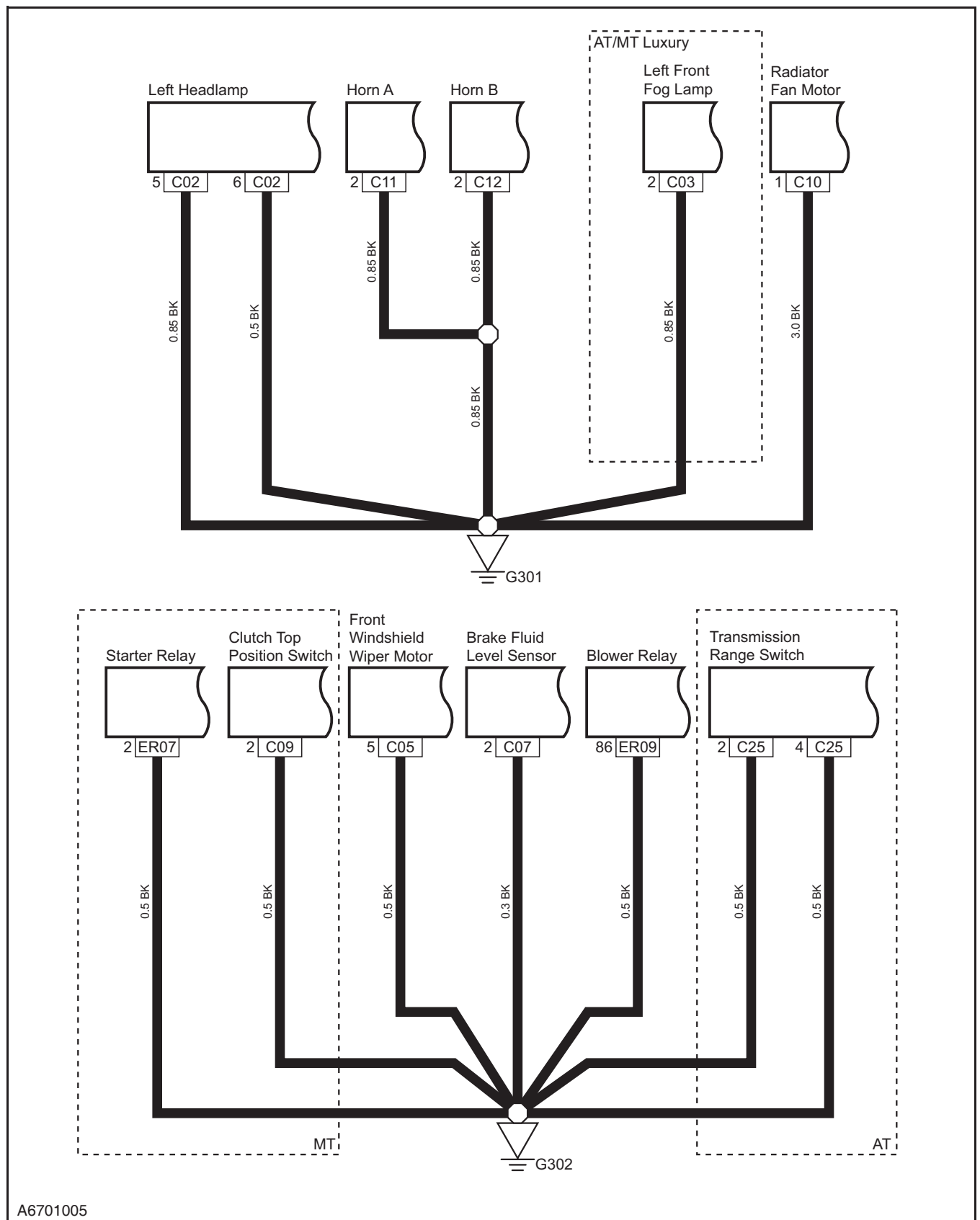
G105 G201 G202



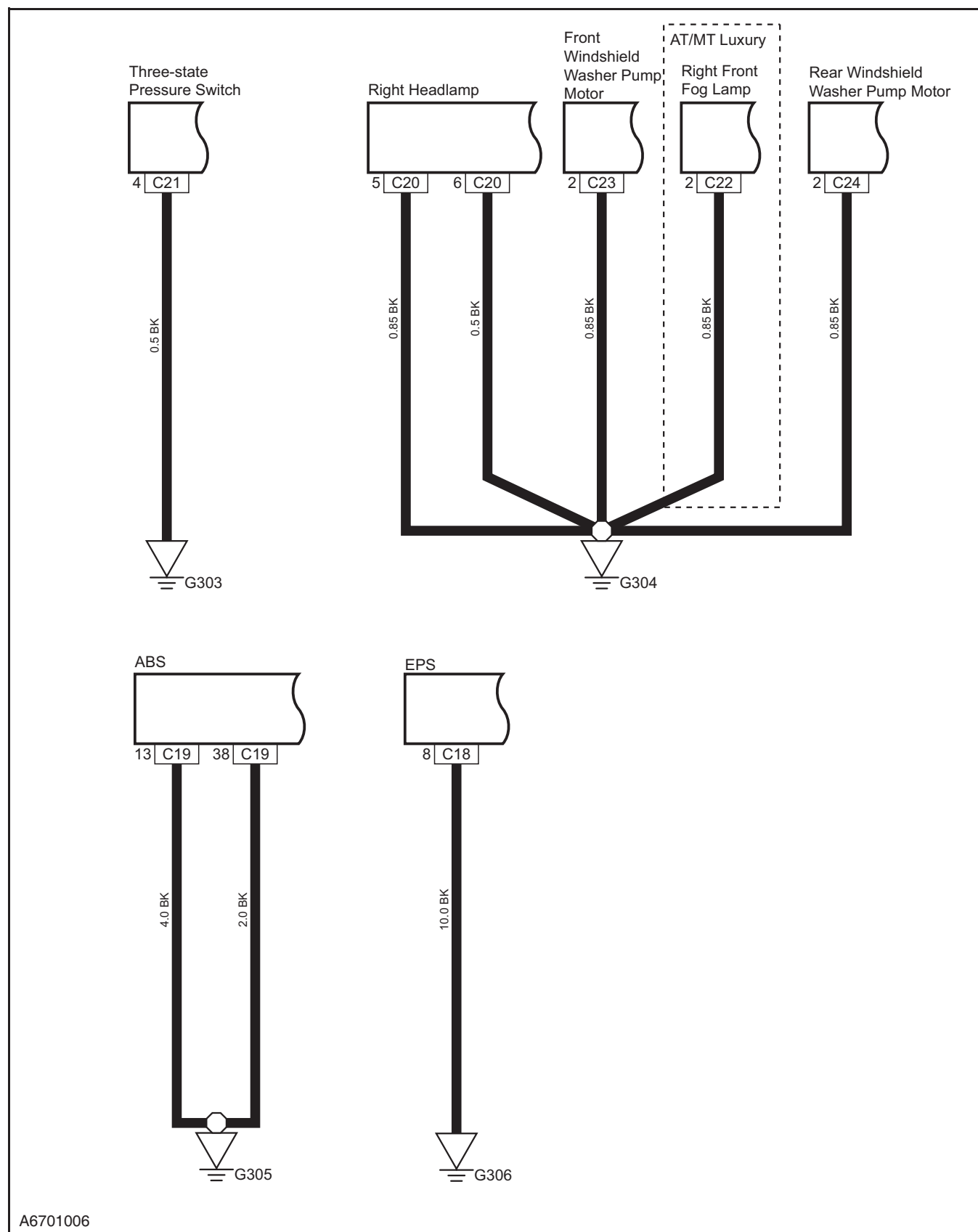
G203 G204 G205



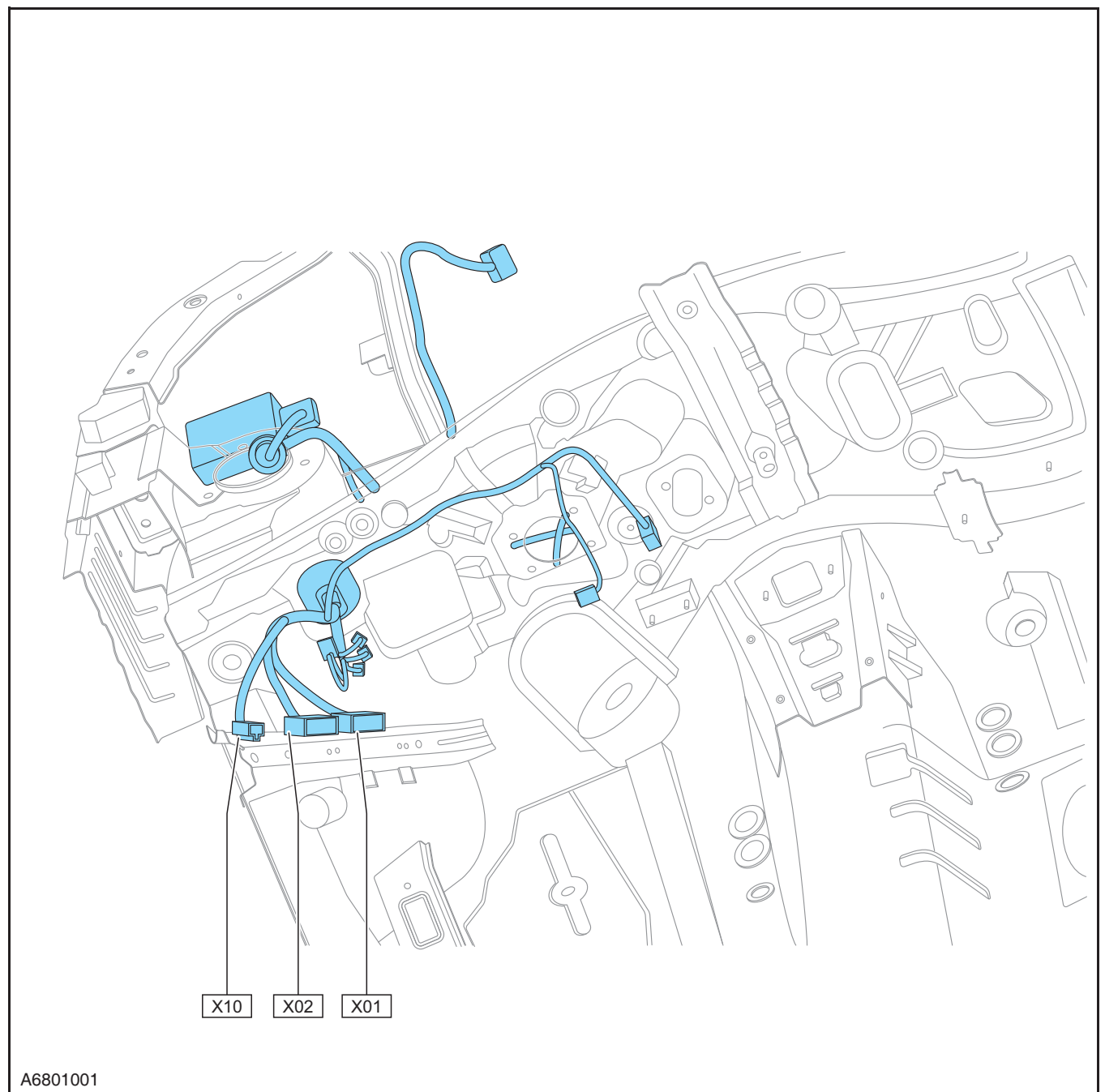
G301 G302

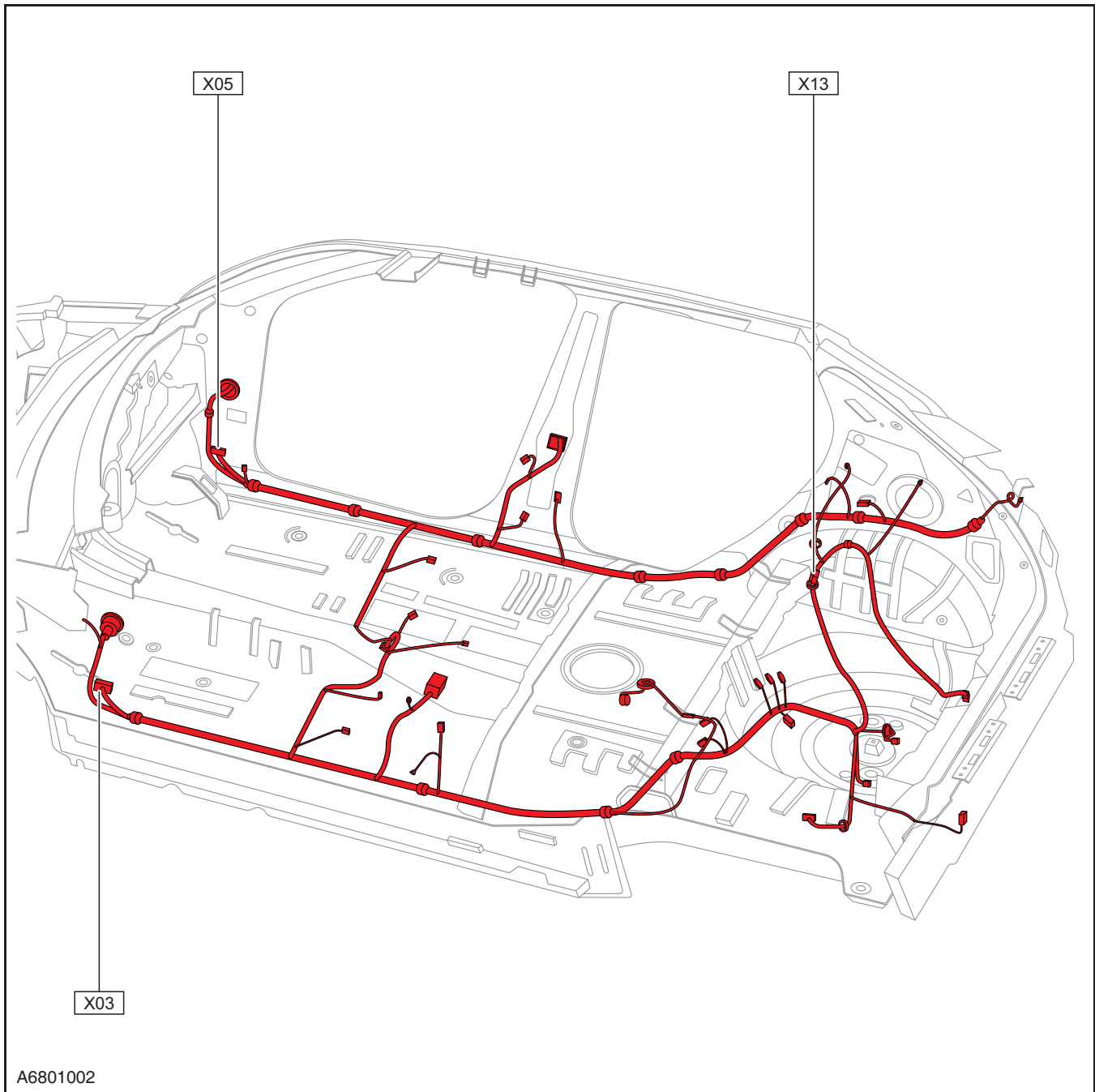


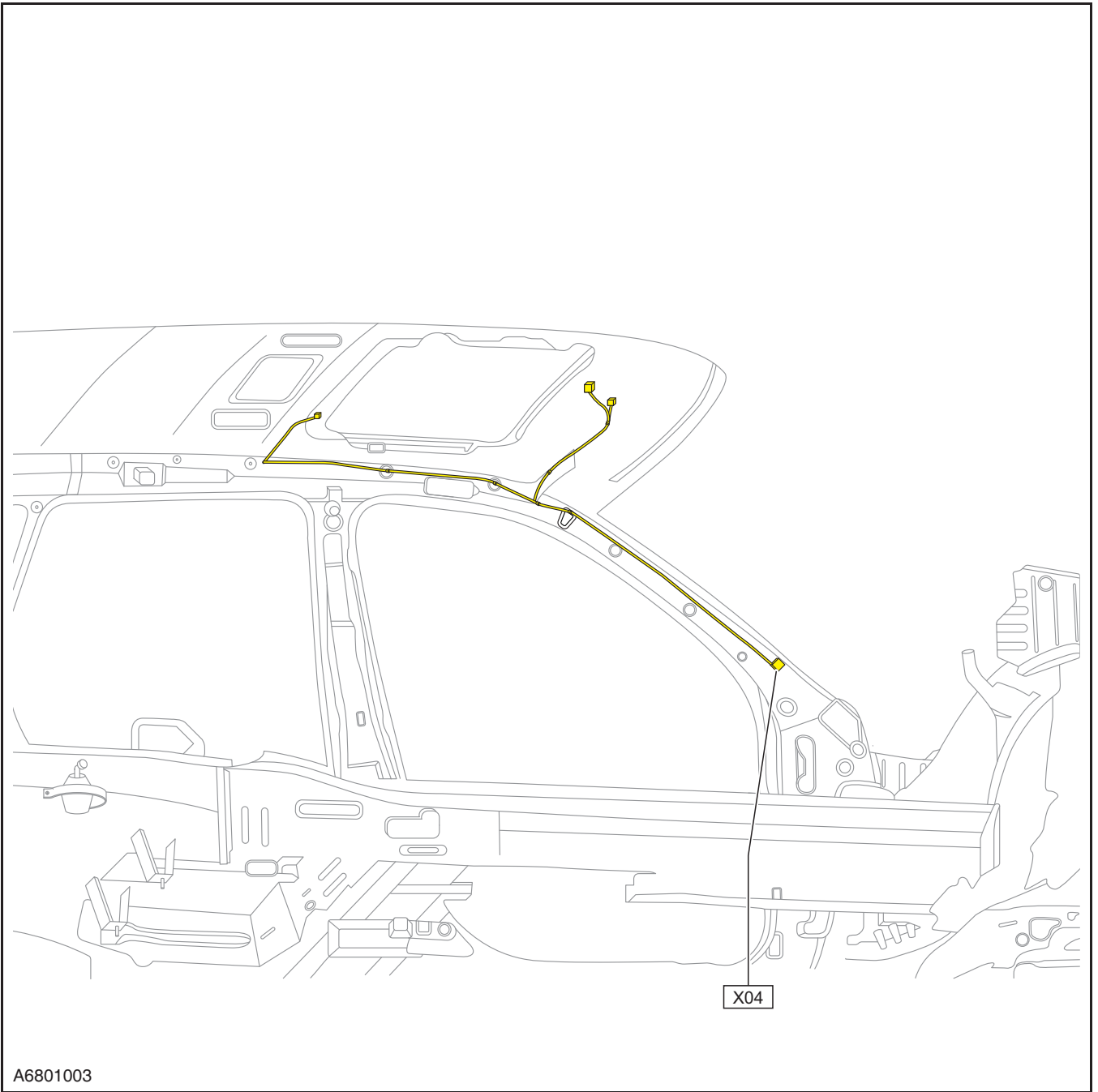
G303 G304 G305 G306

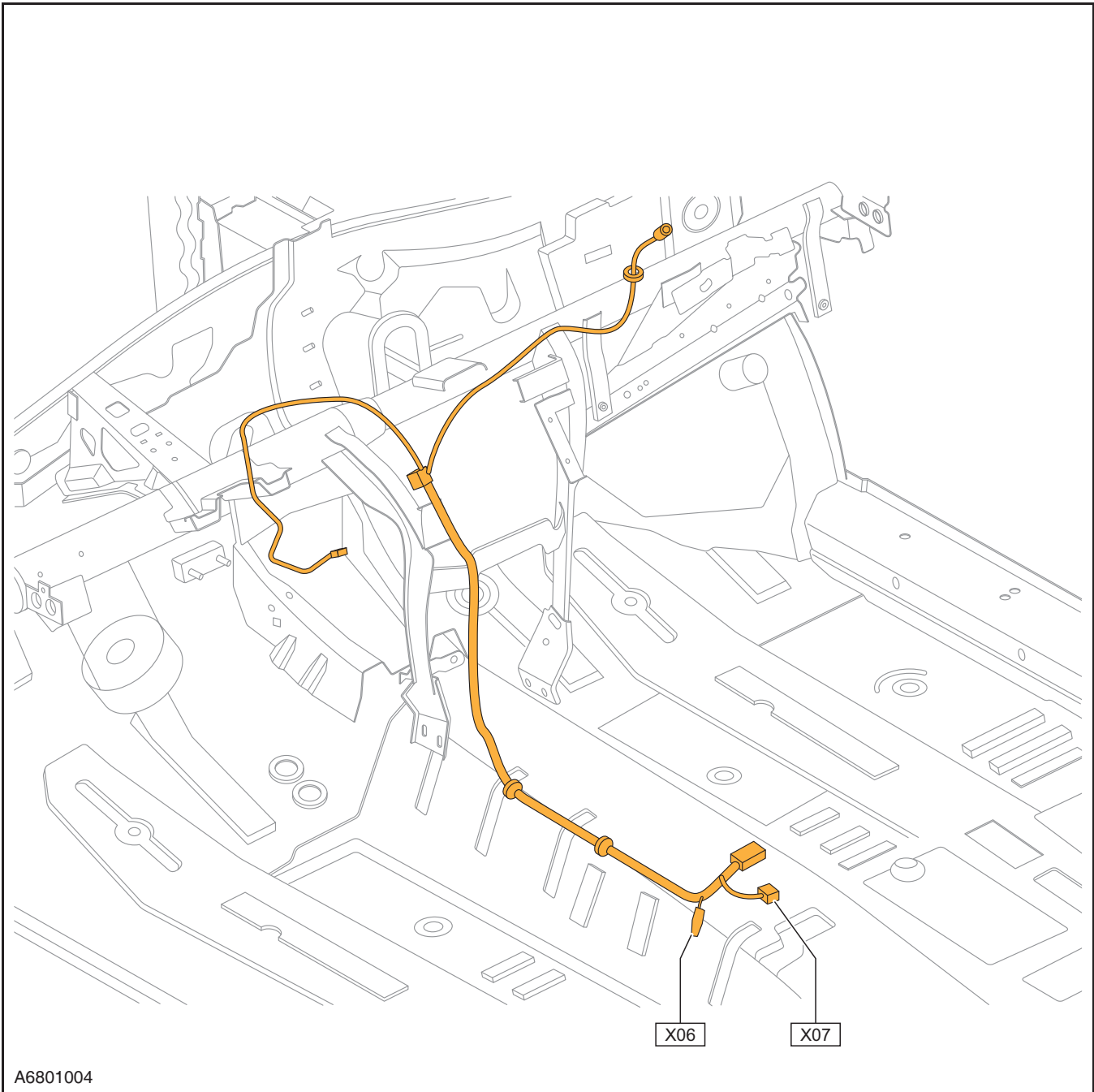


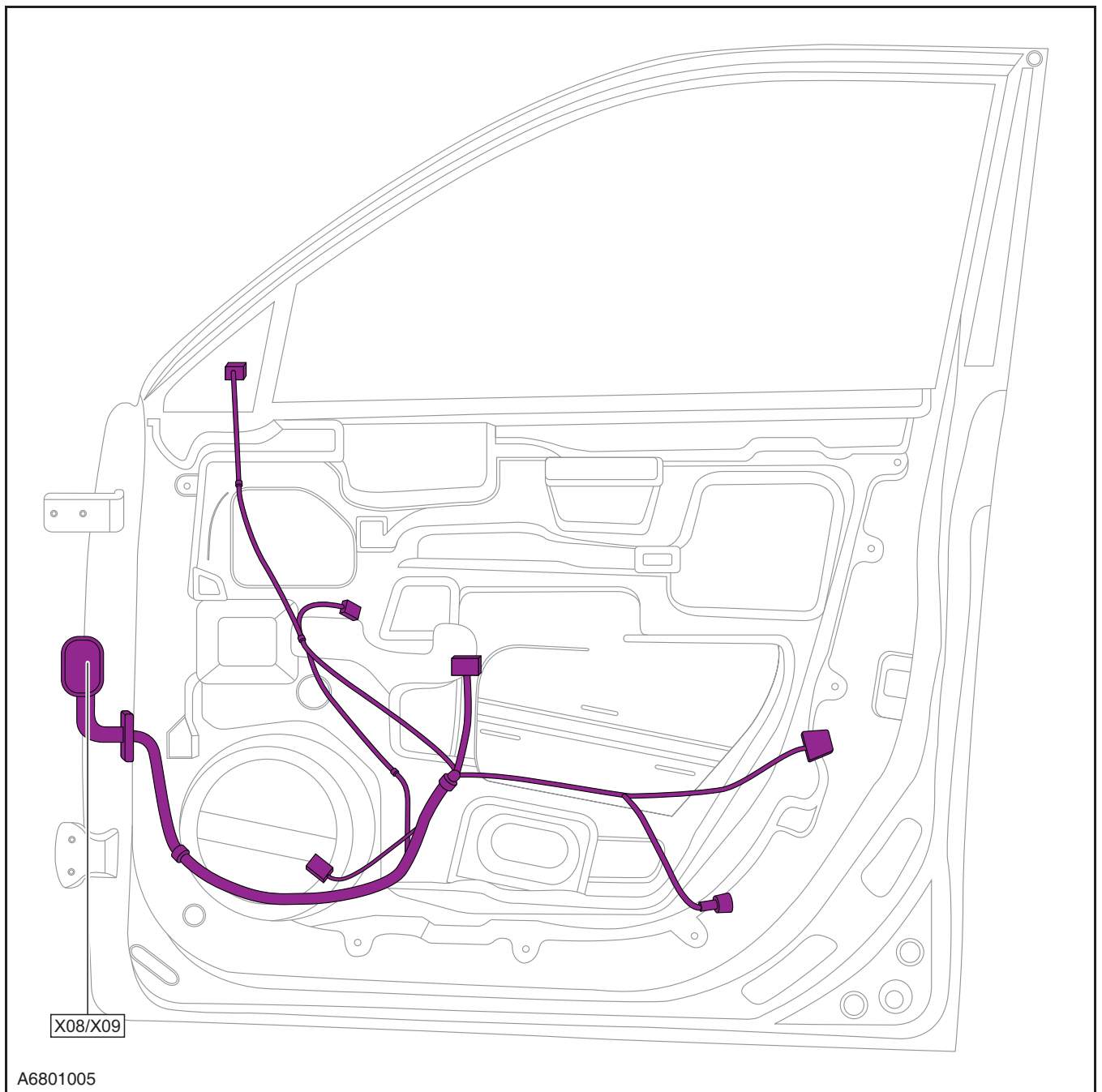
Harness to Harness Connector Location Views (X)

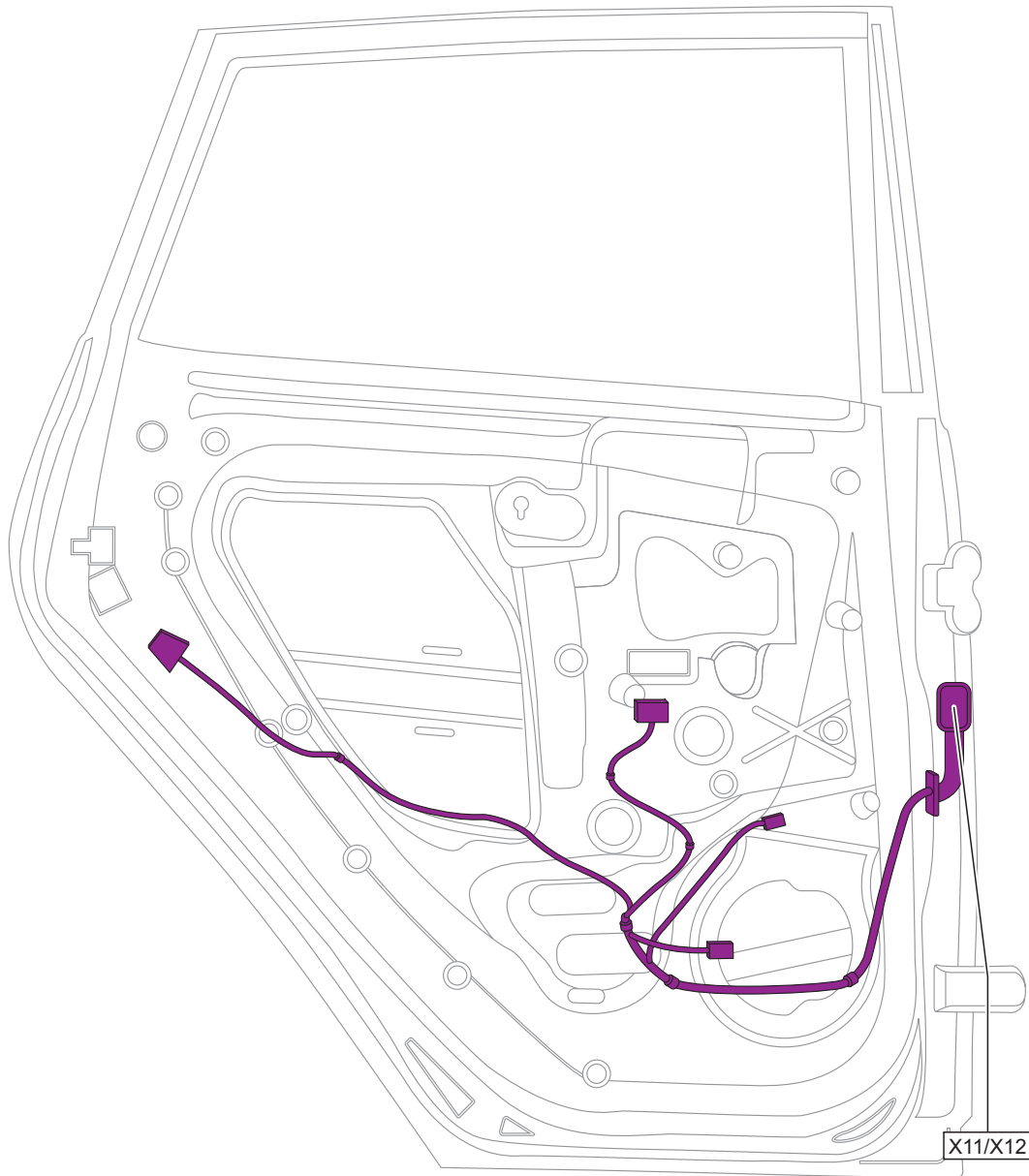




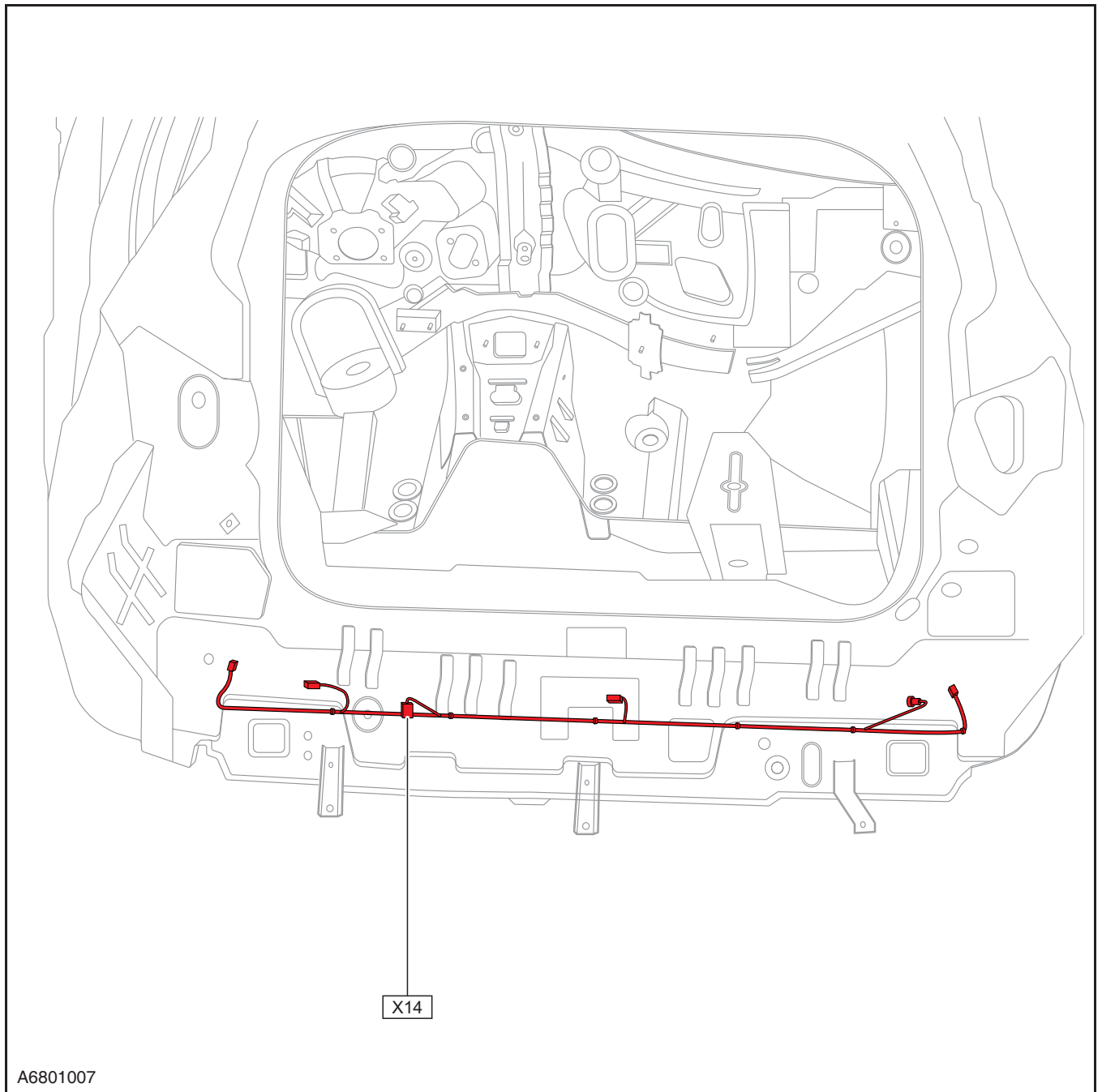


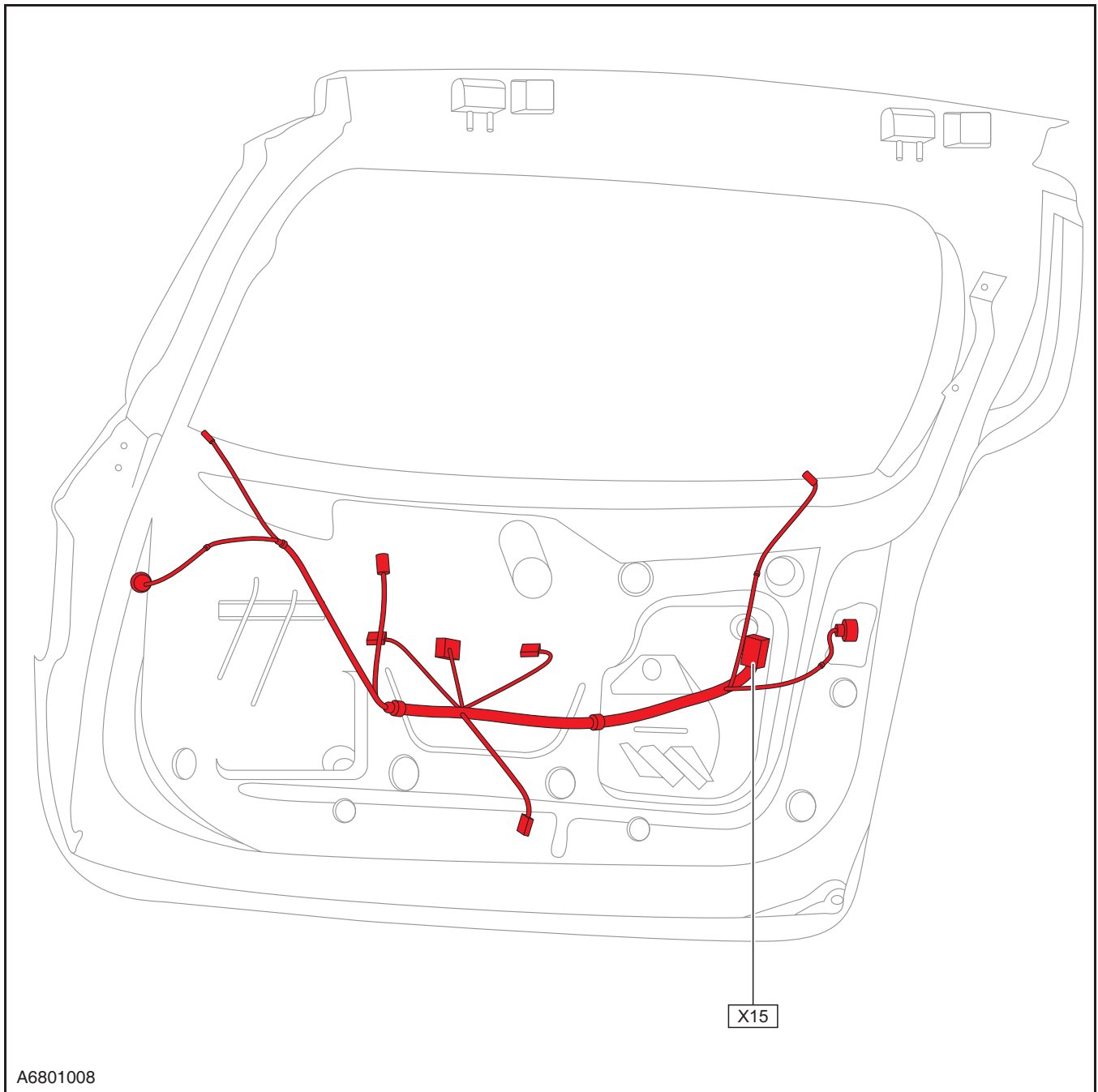


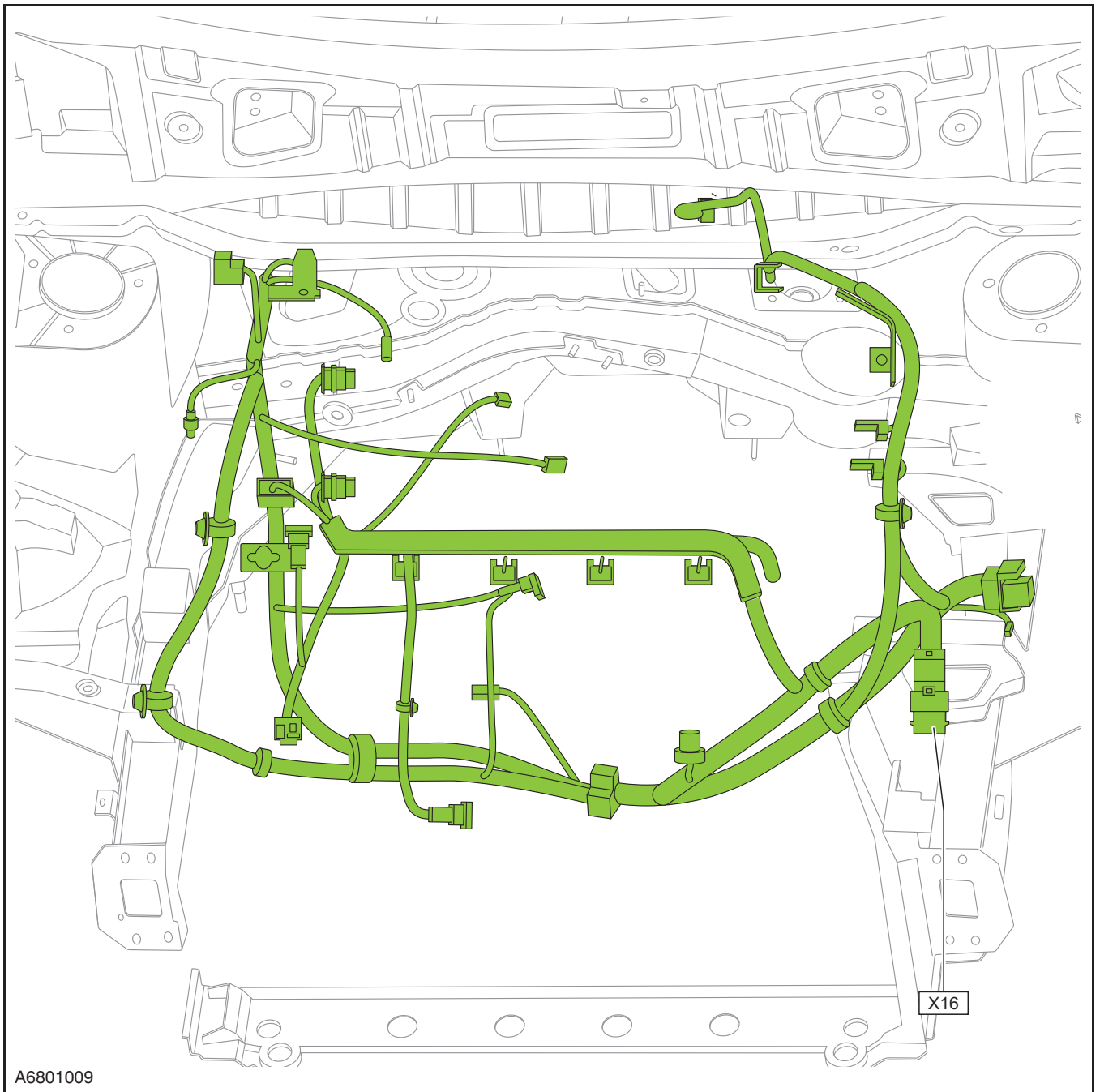




A6801006



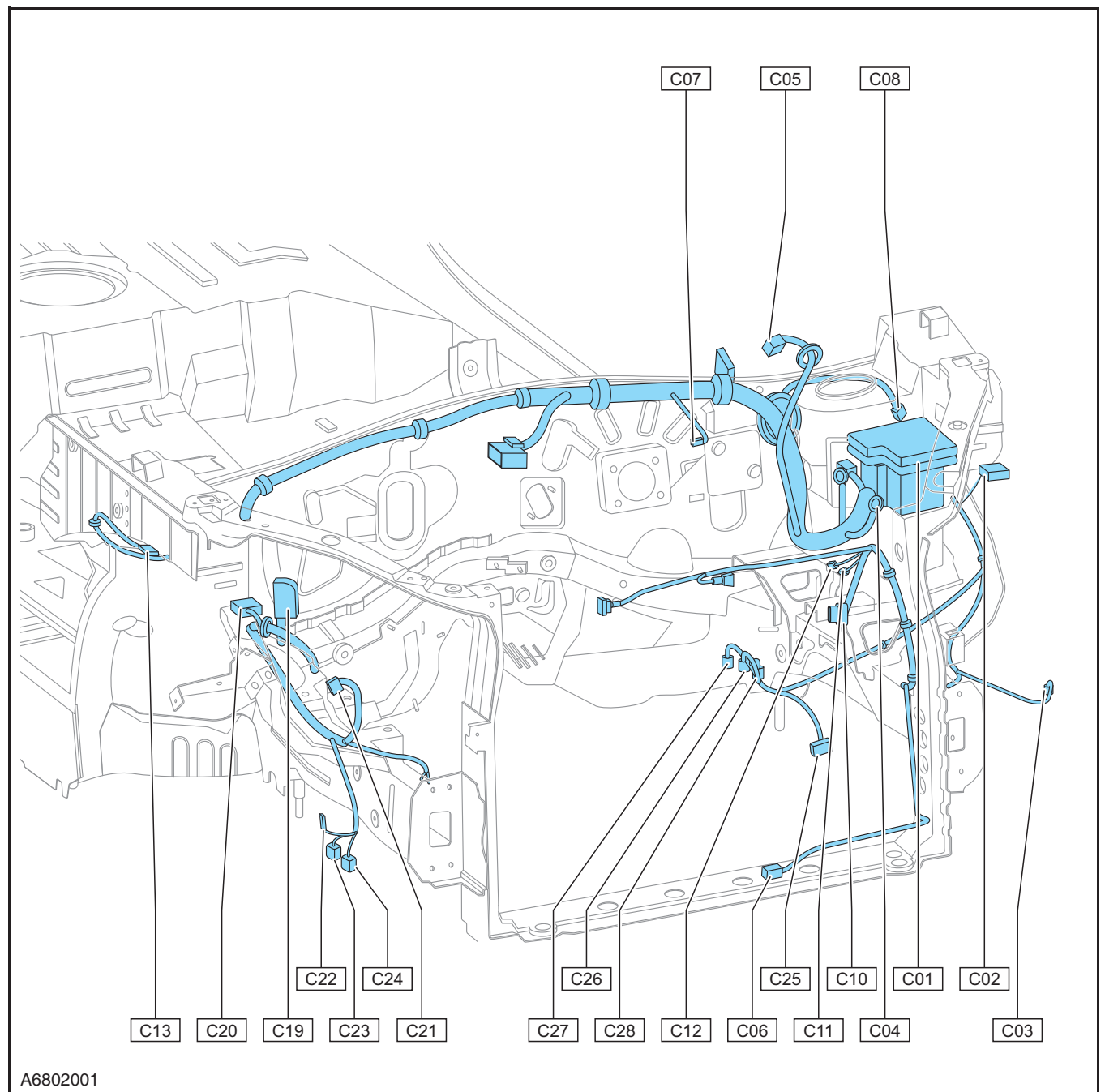


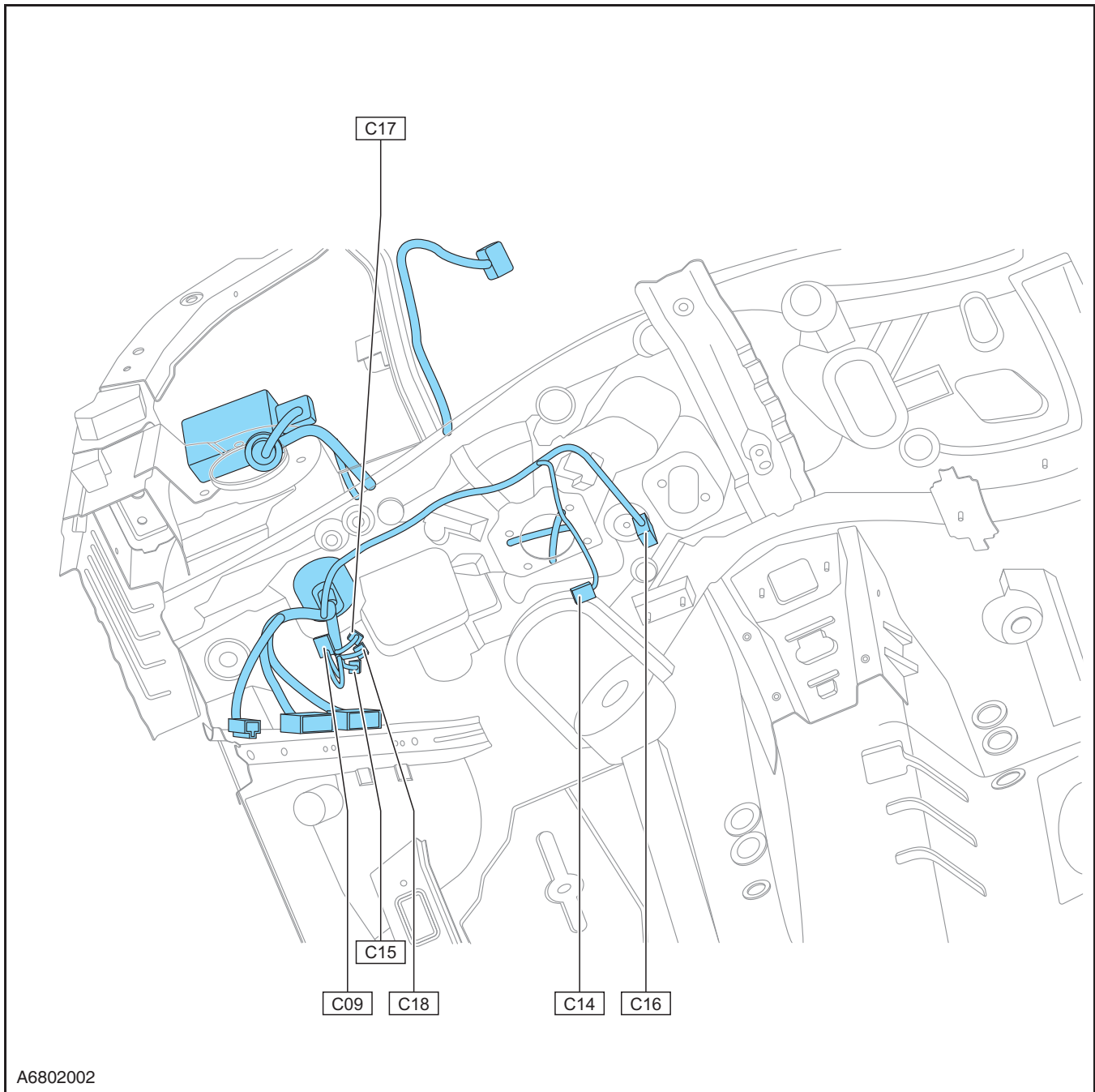


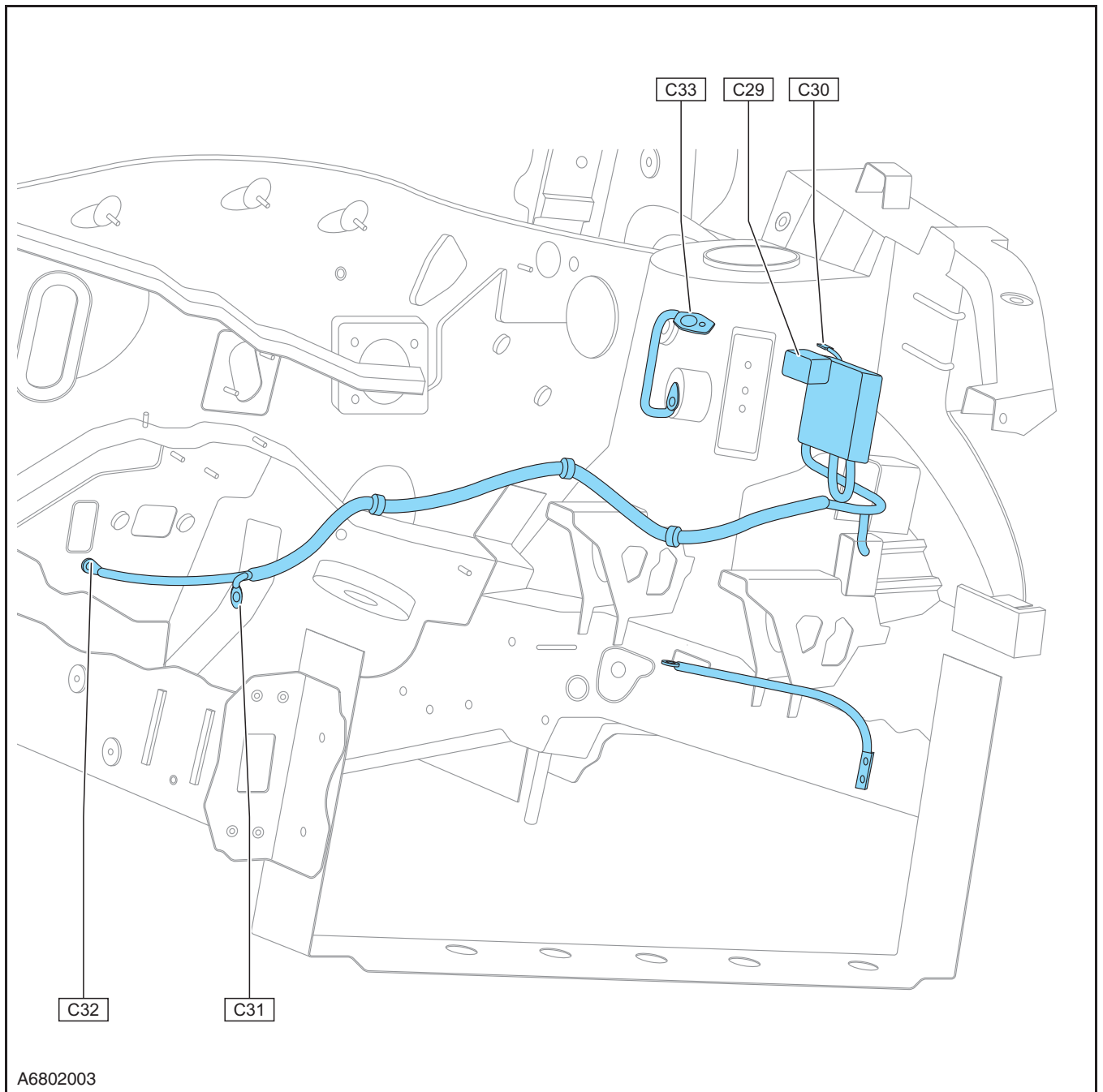
Harness to Harness Connector (X) Chart

A Connector Name	B Connector Name	Definition
I/P Harness to Engine Compartment Harness Connector A	Engine Compartment Harness to I/P Harness Connector A	X01
I/P Harness to Engine Compartment Harness Connector B	Engine Compartment Harness to I/P Harness Connector B	X02
I/P Harness to Floor Harness Connector A	Floor Harness to I/P Harness Connector A	X03
I/P Harness to Headliner Harness Connector	Headliner Harness to I/P Harness Connector	X04
I/P Harness to Floor Harness Connector B	Floor Harness to I/P Harness Connector B	X05
I/P Harness to Airbag Harness Connector	Airbag Harness to I/P Harness Connector	X06
Airbag Harness to Floor Harness Connector	Floor Harness to Airbag Harness Connector	X07
Floor Harness to Right Front Door Harness Connector	Right Front Door Harness to Floor Harness Connector	X08
Floor Harness to Left Front Door Harness Connector	Left Front Door Harness to Floor Harness Connector	X09
Floor Harness to Engine Compartment Harness Connector	Engine Compartment Harness to Floor Harness Connector	X10
Floor Harness to Left Rear Door Harness Connector	Left Rear Door Harness to Floor Harness Connector	X11
Floor Harness to Right Rear Door Harness Connector	Right Rear Door Harness to Floor Harness Connector	X12
Floor Harness to Tailgate Extended Harness Connector	Tailgate Extended Harness to Floor Harness Connector	X13
Floor Harness to Rear Bumper Harness Connector	Rear Bumper Harness to Floor Harness Connector	X14
Floor Harness to Tailgate Harness Connector	Tailgate Harness to Floor Harness Connector	X15
Engine Compartment Harness to Engine Harness Connector	Engine Harness to Engine Compartment Harness Connector	X16

Engine Compartment Harness Connector Location Views (C)



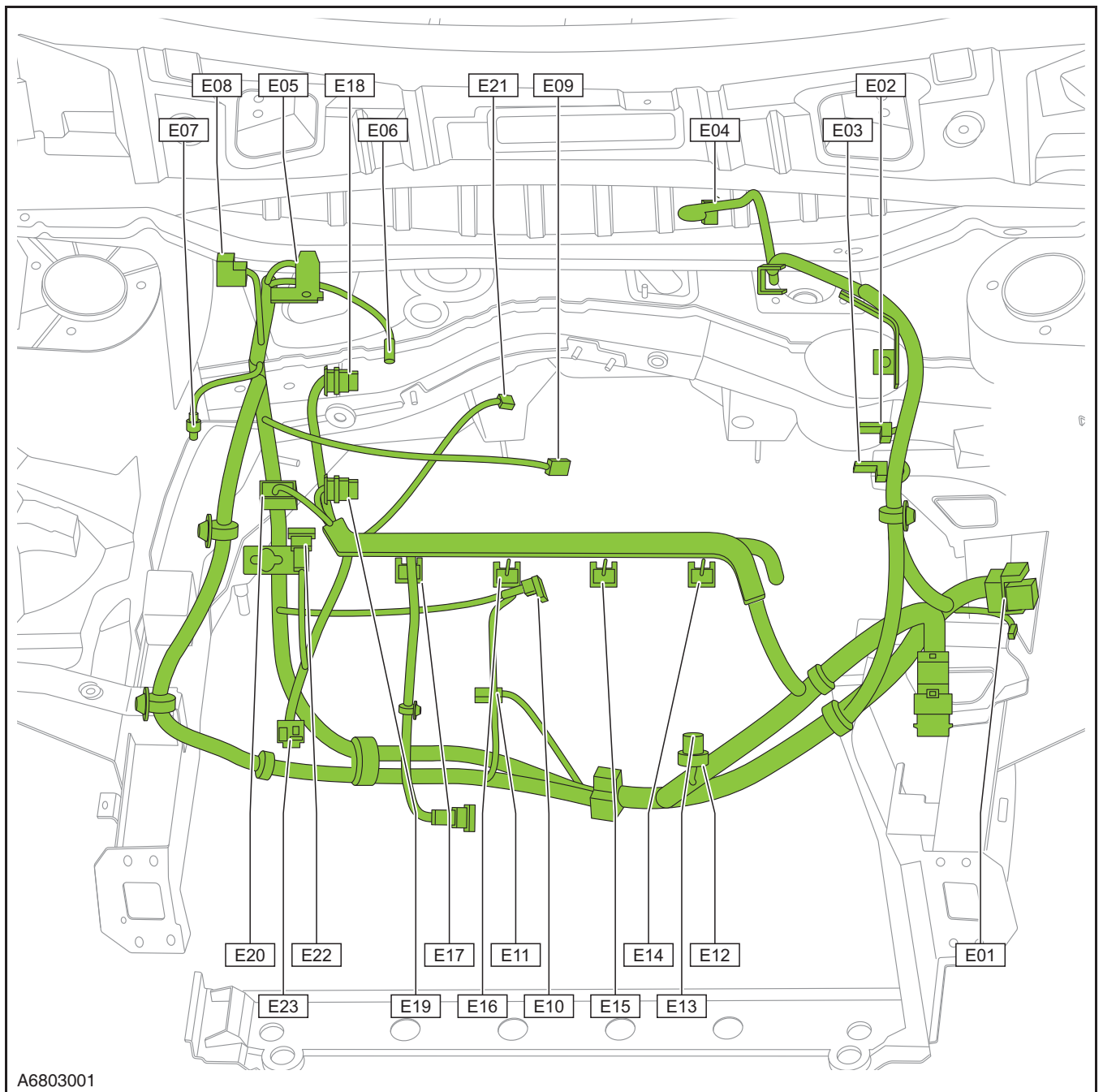




Engine Compartment Harness Connector (C) Chart

Connector Name	Definition
Engine Compartment Fuse and Relay Box	C01
Left Headlamp	C02
Left Front Fog Lamp	C03
Battery Positive (EPS Power)	C04
Front Windshield Wiper Motor	C05
Outside Air Temperature Sensor	C06
Brake Fluid Level Sensor	C07
WSS (LF)	C08
Clutch Top Position Switch	C09
Radiator Fan Motor	C10
Horn A	C11
Horn B	C12
WSS (RF)	C13
Brake Lamp Switch	C14
EPS Power	C15
APP	C16
EPS	C17
EPS Ground	C18
ABS	C19
Right Headlamp	C20
Three-state Pressure Switch	C21
Right Front Fog Lamp	C22
Front Windshield Washer Pump Motor	C23
Rear Windshield Washer Pump Motor	C24
Transmission Range Switch	C25
TSS	C26
VSS	C27
AT Solenoid Valve	C28
Battery Positive Lug	C29
Connect to Engine Compartment Fuse and Relay Box	C30
Starter	C31
Alternator	C32
Battery Negative Lug	C33

Engine Harness Connector Location Views (E)

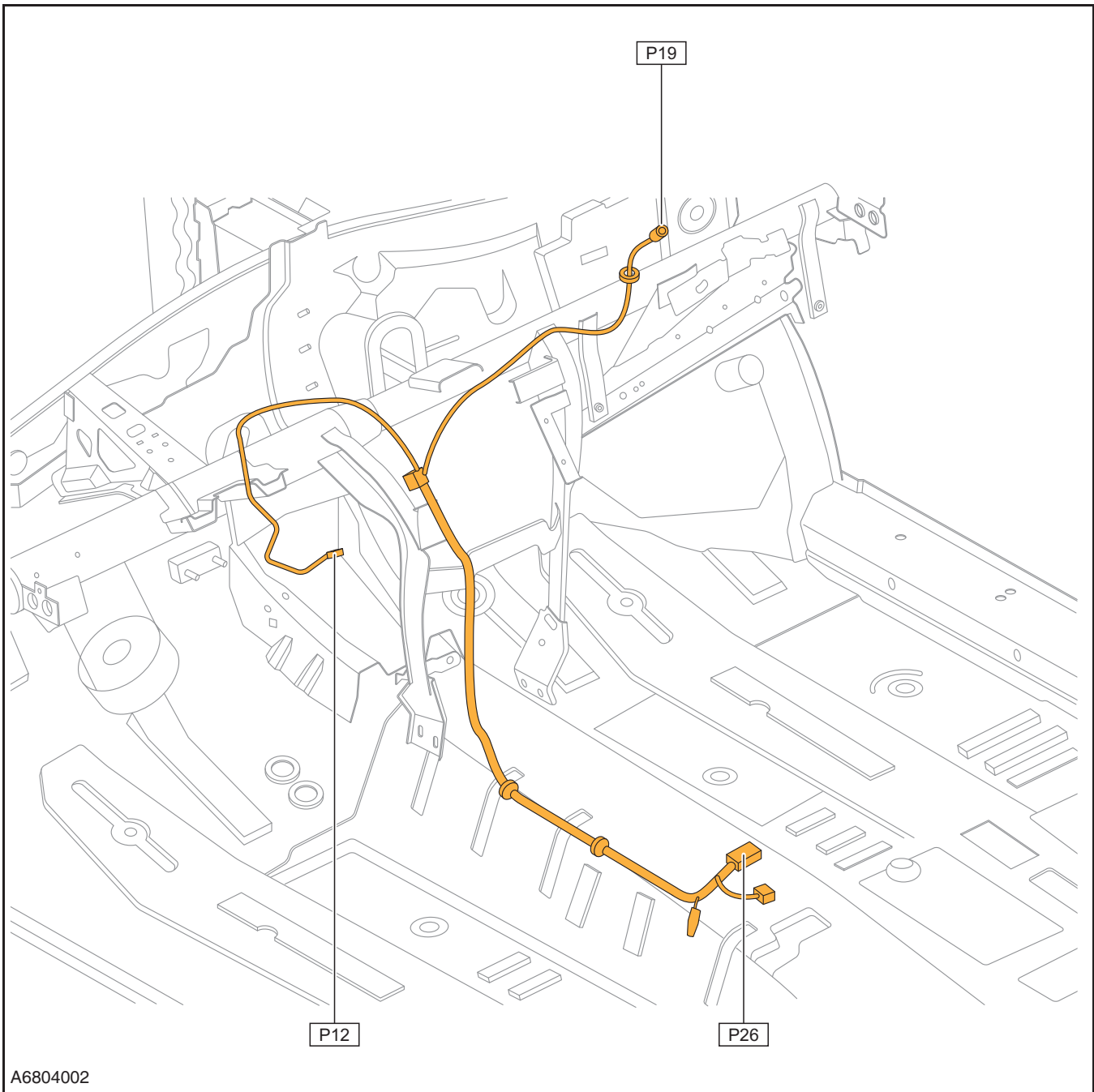


Engine Harness Connector (E) Chart

Connector Name	Definition
ECM	E01
OCV Intake Valve	E02
OCV Exhaust Valve	E03
Compressor	E04
Pre-Catalytic Oxygen Sensor	E05
Engine Oil Pressure Switch	E06
Crankshaft Position Sensor	E07
Post-Catalytic Oxygen Sensor	E08
Reverse Lamp Switch	E09
Knock Sensor	E10
Starter	E11
Intake Air Pressure and Temperature Sensor	E12
Alternator	E13
Cylinder 1 Injector	E14
Cylinder 2 Injector	E15
Cylinder 3 Injector	E16
Cylinder 4 Injector	E17
Camshaft Position Sensor (Exhaust)	E18
Camshaft Position Sensor (Intake)	E19
Ignition Coil	E20
Evaporative Emission Canister Purge Solenoid Valve	E21
Engine Coolant Temperature Sensor	E22
ETC	E23

I/P Harness Connector Location Views (P)

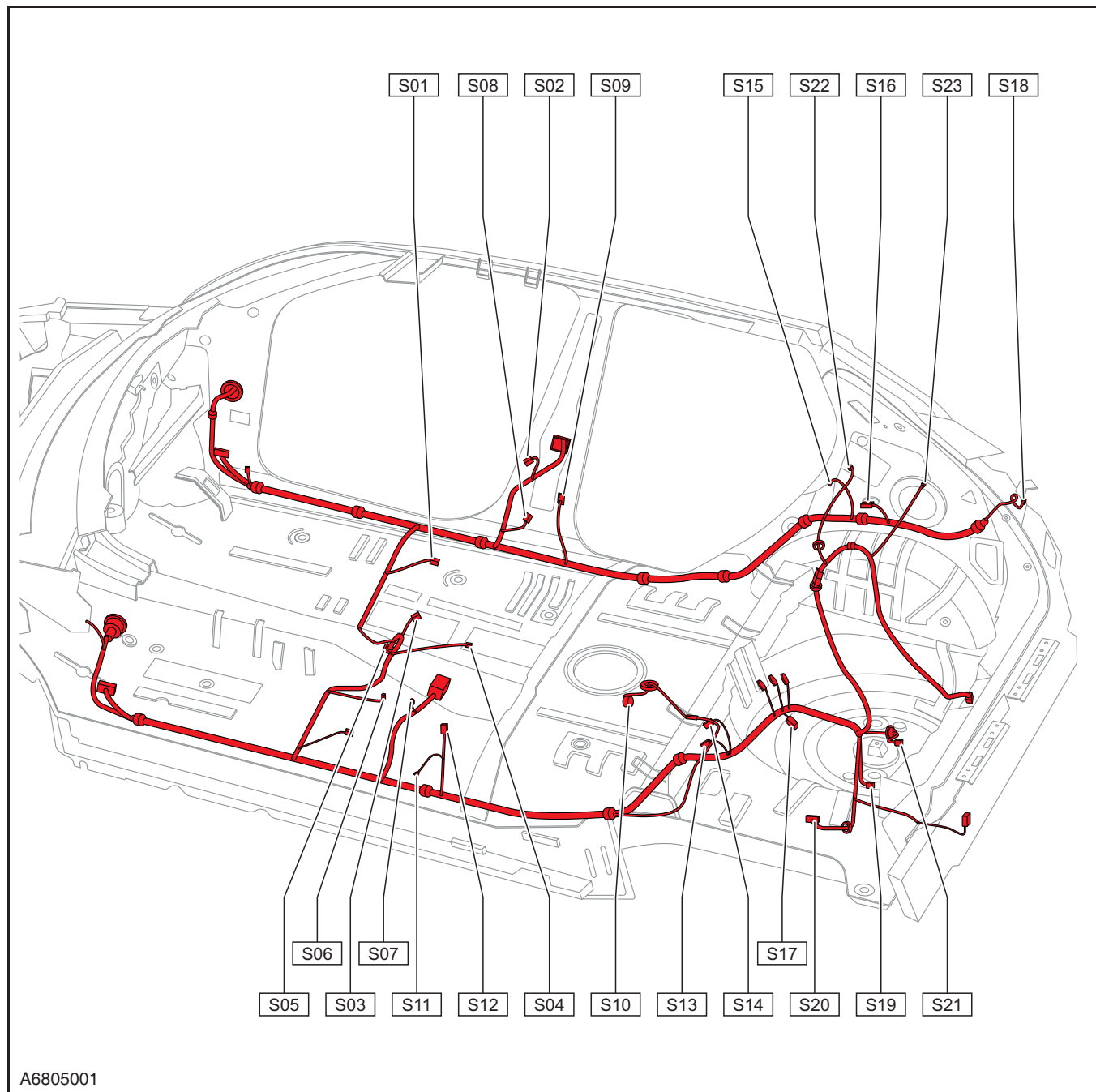


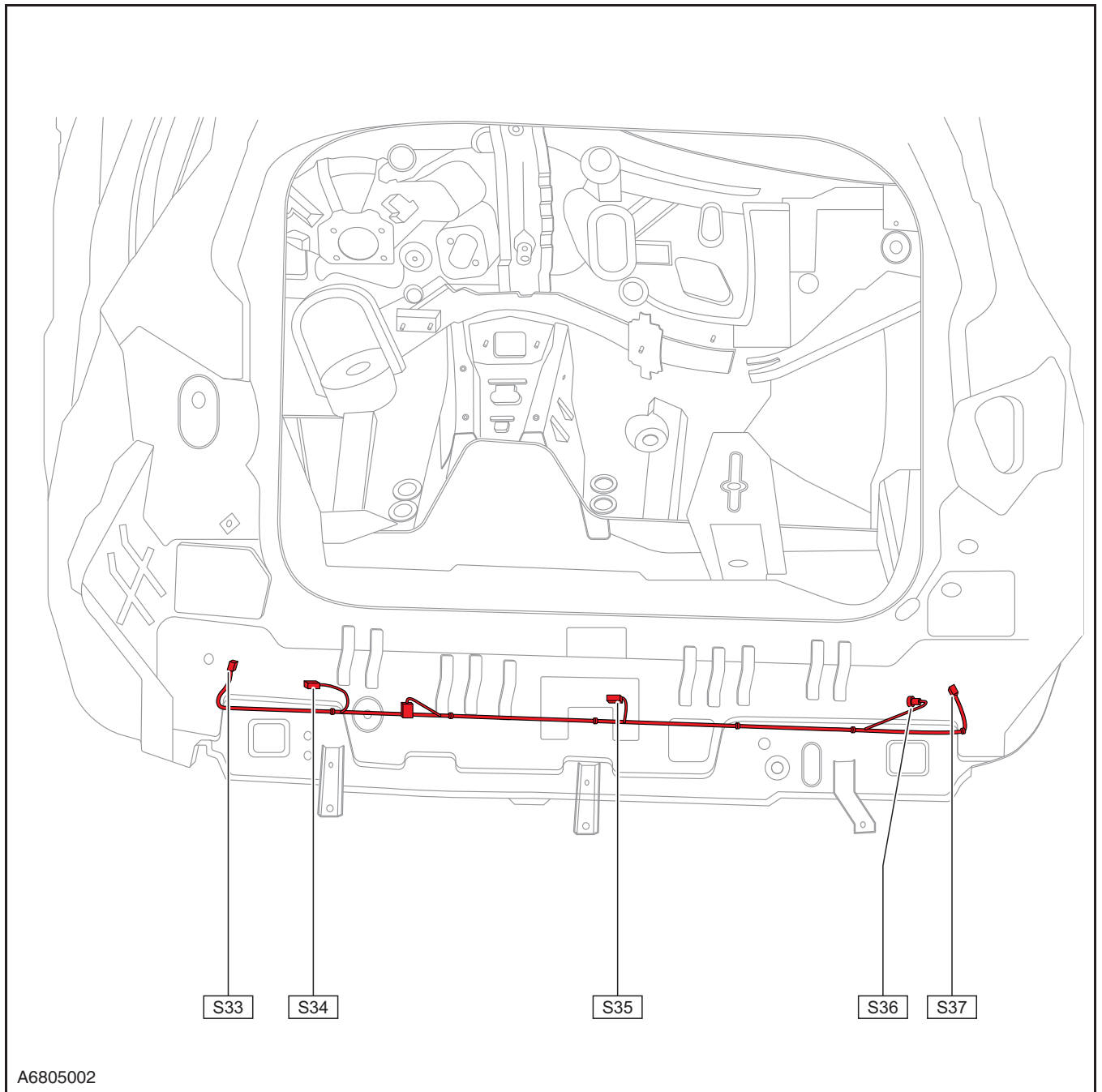


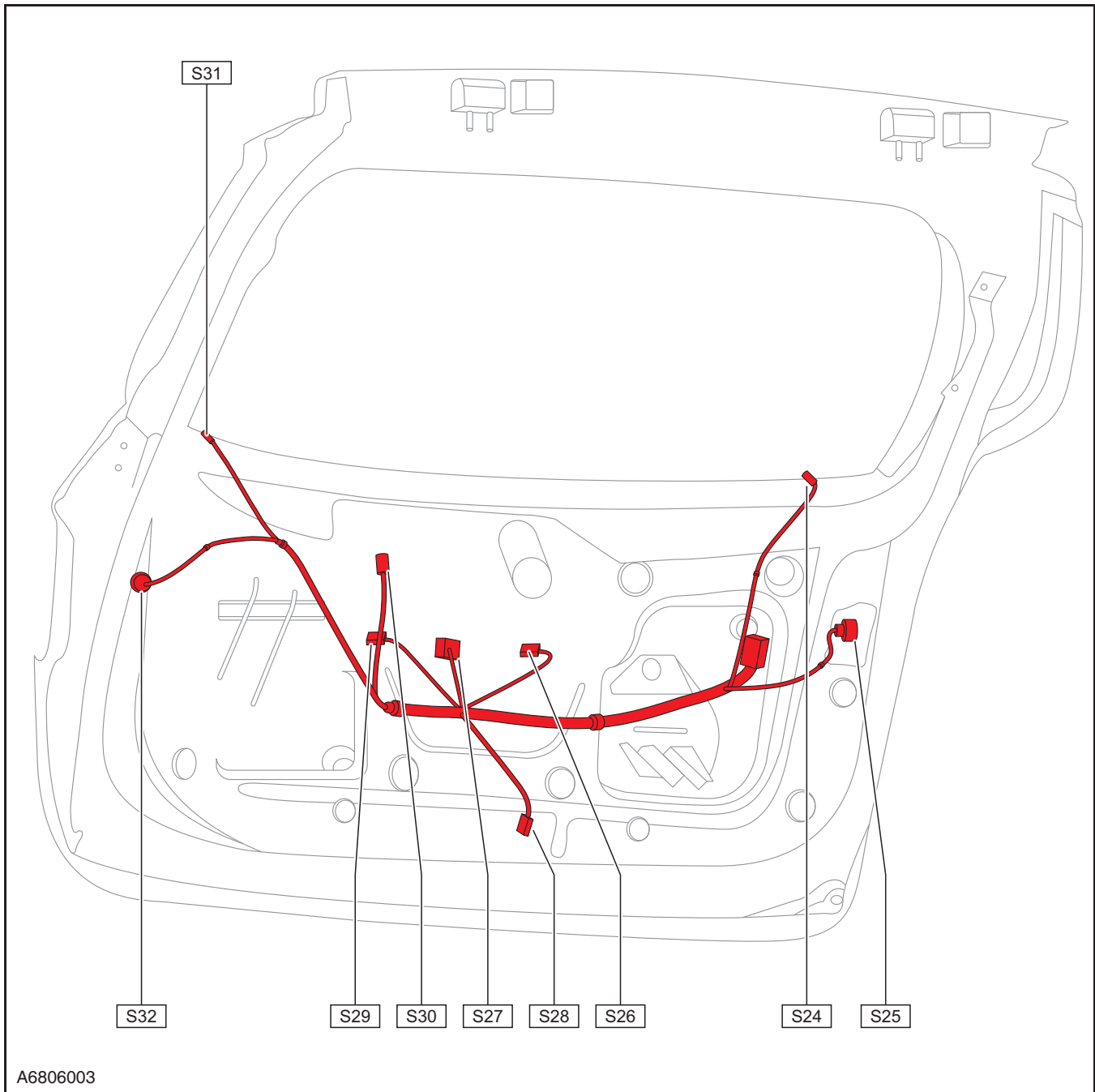
I/P Harness Connector (P) Chart

Connector Name	Definition
I/P Fuse and Relay Box	P01
Lighting Combination Switch	P02
Power Rearview Mirror Switch	P03
DLC	P04
Left Tweeter	P05
Key In Ignition Switch	P06
Headlamp Leveling Device Switch	P07
Ignition Switch	P08
Audio	P09
Burglar Alarm Coil/Ignition Illumination	P10
IPC	P11
Driver Airbag	P12
Wiper/Washer Switch	P13
BCM-A	P14
CD-A	P15
CD-B	P16
CD-C	P17
Right Tweeter	P18
Passenger Airbag	P19
A/C Control Panel A	P20
A/C Control Panel B	P21
BCM-B	P22
BCM-C	P23
BCM-D	P24
BCM-E	P25
SDM	P26
Cigarette Lighter	P27
Back-up Power	P28
HVAC	P29
Cruise Set Switch	P30
TCM-A	P31
TCM-B	P32
Gearshift Lever Switch	P33

Floor Harness Connector Location Views (S)



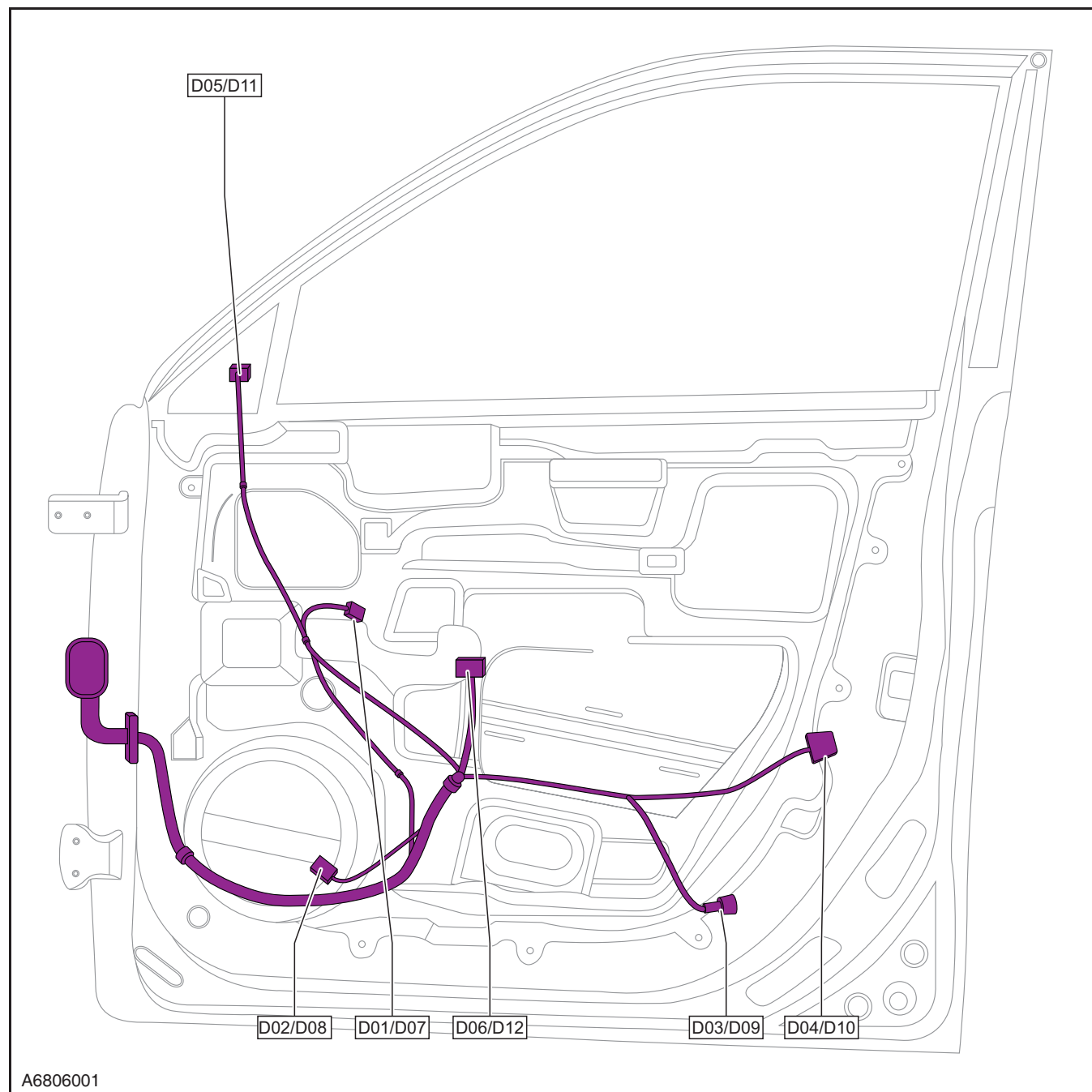


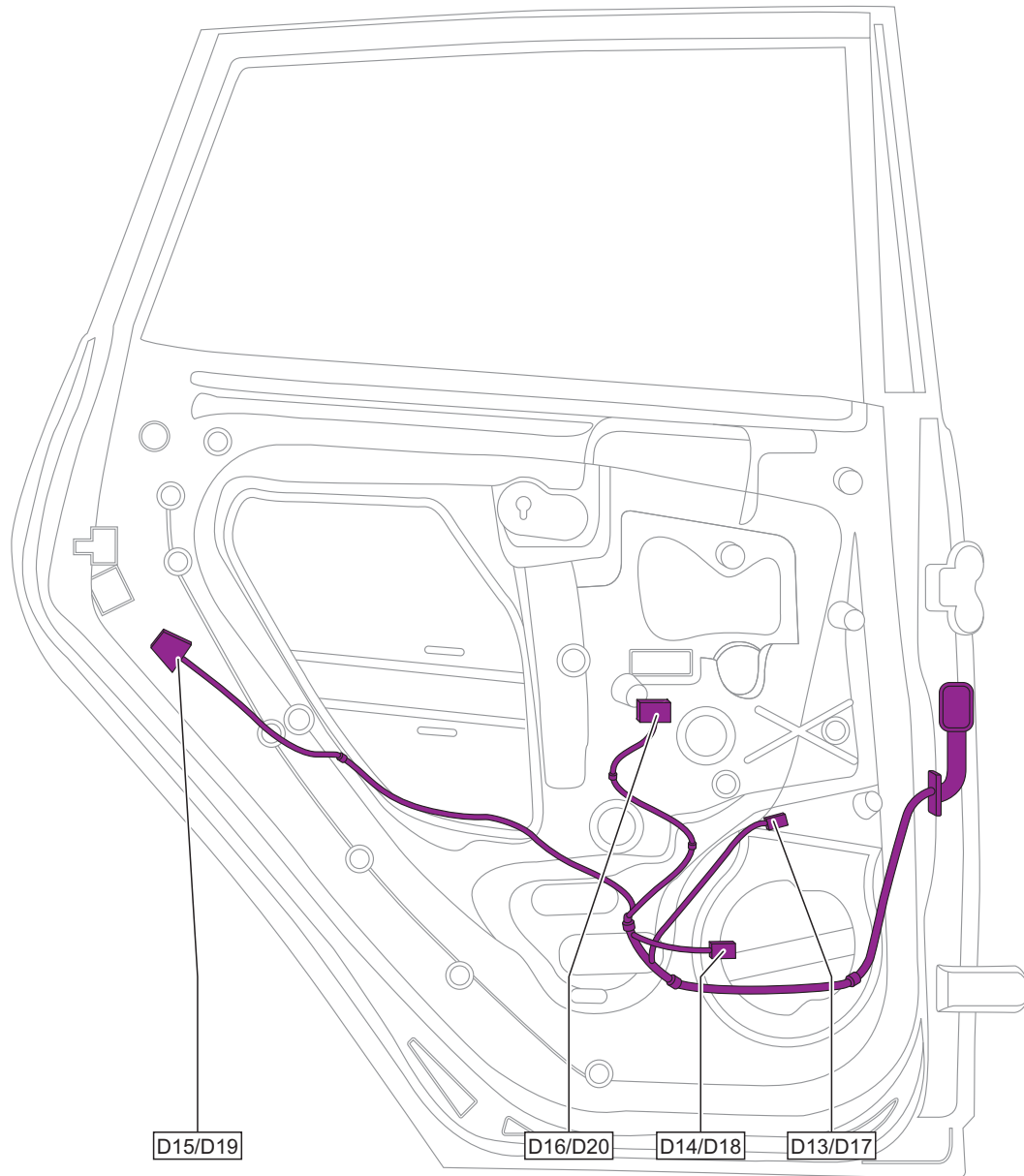


Floor Harness Connector (S) Chart

Connector Name	Definition
Passenger Side Airbag	S01
Passenger Side Front Door Contact Switch	S02
Cup Bracket Lamp	S03
Parking Brake Switch	S04
Driver Seat Belt Switch	S05
Driver Side Airbag	S06
Driver Side Front Door Contact Switch	S07
Passenger Seat Belt Pretensioner	S08
Passenger Side Impact Sensor	S09
Fuel Pump	S10
Driver Seat Belt Pretensioner	S11
Driver Side Impact Sensor	S12
WSS (LR)	S13
Left Rear Door Contact Switch	S14
Right Rear Door Contact Switch	S15
WSS (RR)	S16
Trunk Lamp	S17
Right Tail Lamp	S18
Rear Power Outlet	S19
Left Tail Lamp	S20
PAM	S21
Antenna	S22
High Mounted Brake Lamp	S23
Rear Defroster +	S24
Left Reverse Lamp	S25
Left License Plate Lamp	S26
Trunk Release Switch	S27
Tailgate Door Lock Motor	S28
Right License Plate Lamp	S29
Rear Windshield Wiper Motor	S30
Rear Defroster -	S31
Right Reverse Lamp	S32
Left Rear Fog Lamp	S33
Left Rear Parking Aid Sensor	S34
Center Rear Parking Aid Sensor	S35
Right Rear Parking Aid Sensor	S36
Right Rear Fog Lamp	S37

Door Harness Connector Location Views (D)



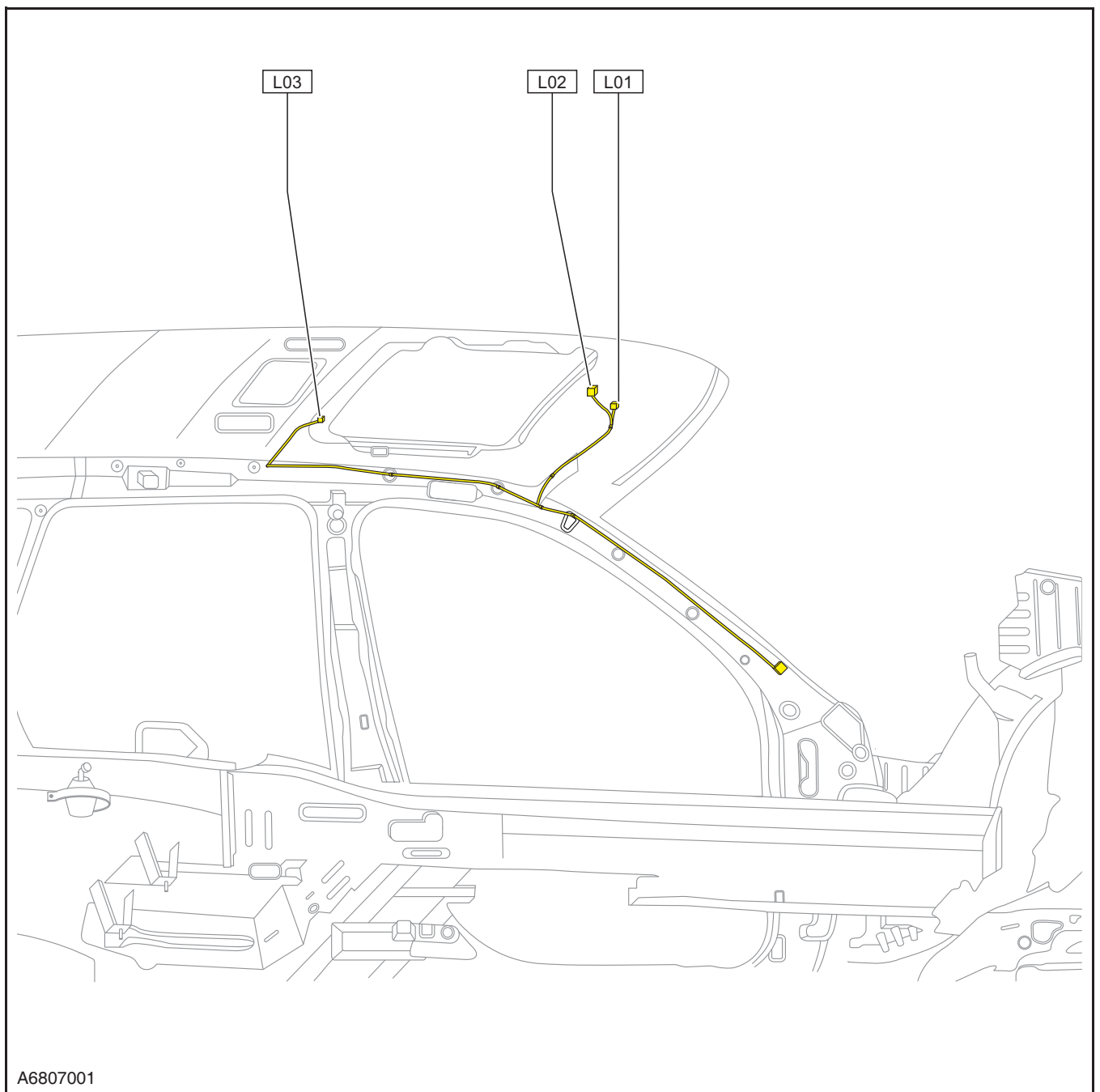


A6806002

Door Harness Connector (D) Chart

Connector Name	Definition
Driver Side Window Regulator Motor	D01
Driver Side Door Speaker	D02
Driver Side Door Courtesy Lamp	D03
Driver Side Door Lock Motor	D04
Left Power Rearview Mirror	D05
Driver Side Power Window Switch	D06
Passenger Side Window Regulator Motor	D07
Passenger Side Door Speaker	D08
Passenger Side Door Courtesy Lamp	D09
Passenger Side Door Lock Motor	D10
Right Power Rearview Mirror	D11
Passenger Side Power Window Switch	D12
Left Rear Window Regulator Motor	D13
Left Rear Door Speaker	D14
Left Rear Door Lock Motor	D15
Left Rear Power Window Switch	D16
Right Rear Window Regulator Motor	D17
Right Rear Door Speaker	D18
Right Rear Door Lock Motor	D19
Right Rear Power Window Switch	D20

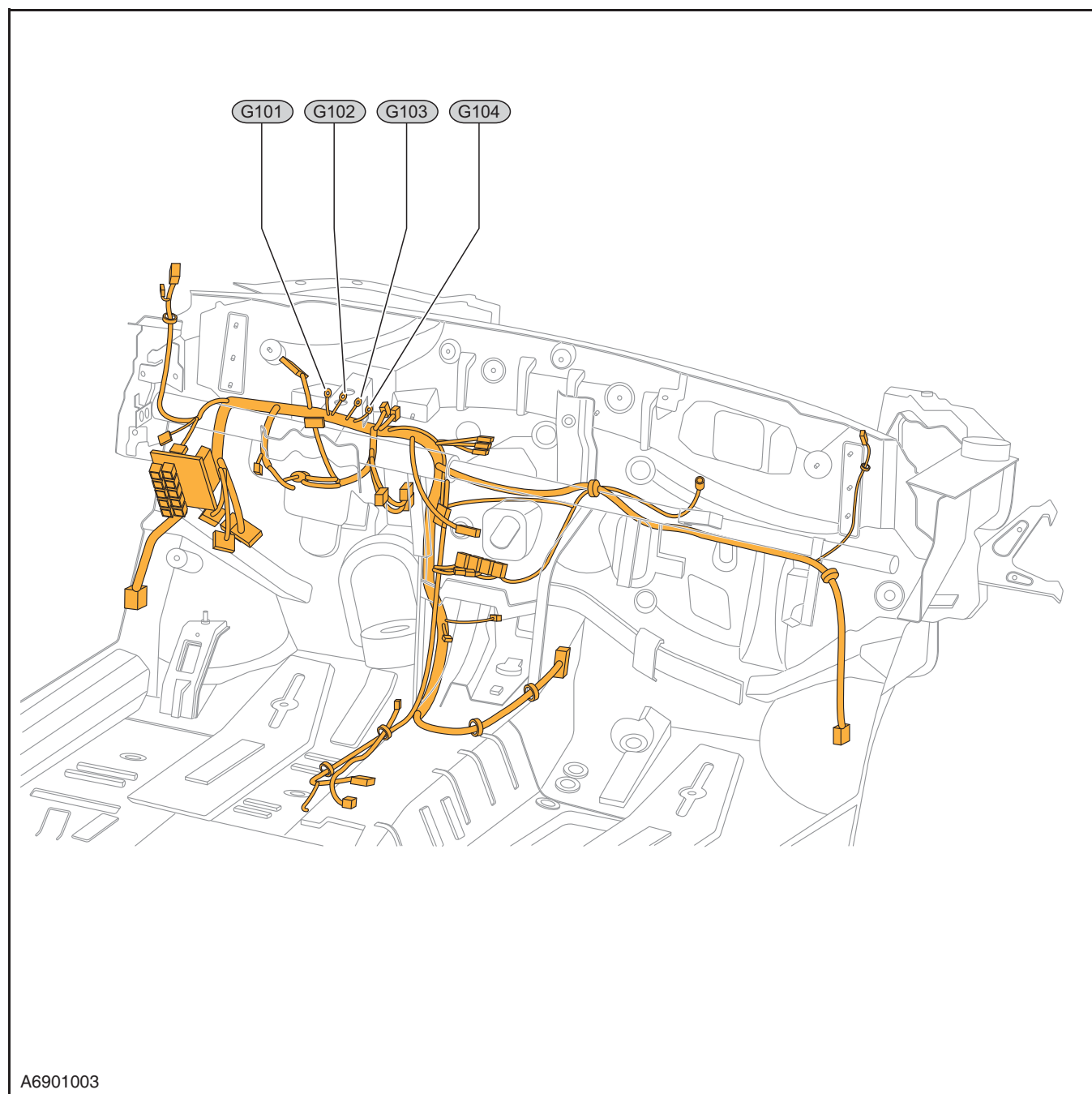
Interior lamps Harness Connector Location Views (L)



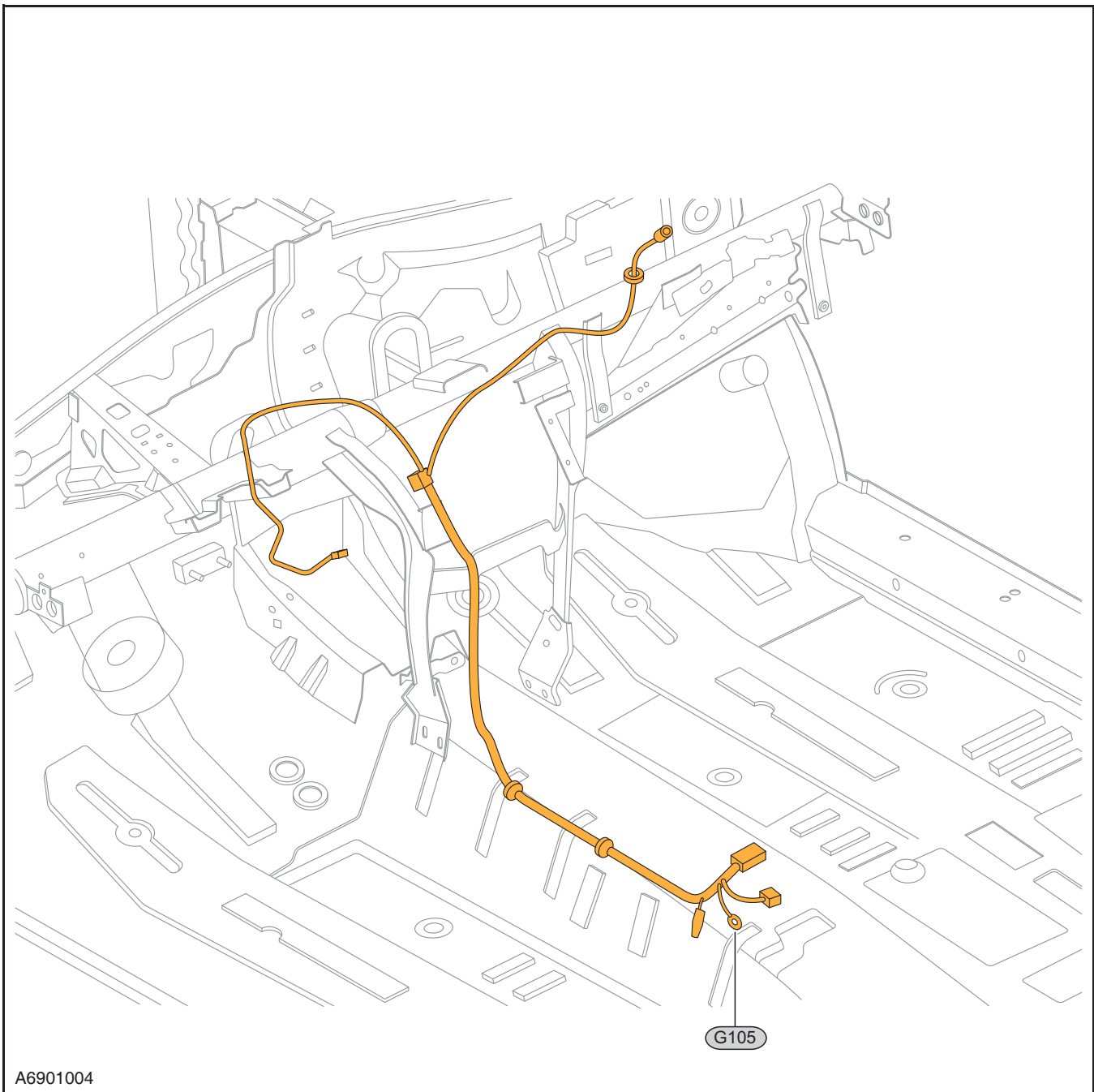
Interior Lamps Harness Connector (L) Chart

Connector Name	Definition
Front Dome Lamp Switch	L01
Sunroof Control Module	L02
Rear Dome Lamp	L03

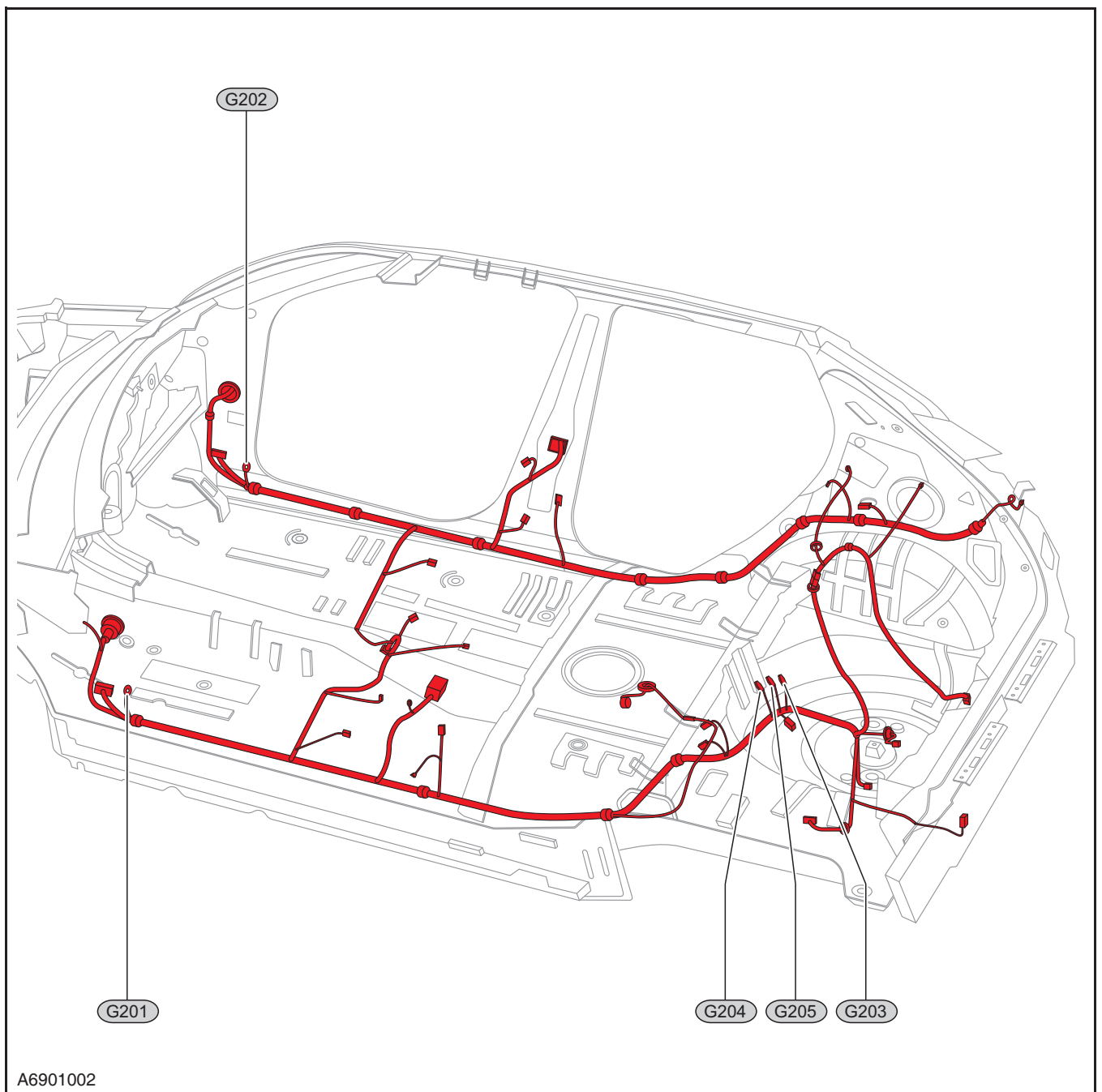
G101 G102 G103 G104



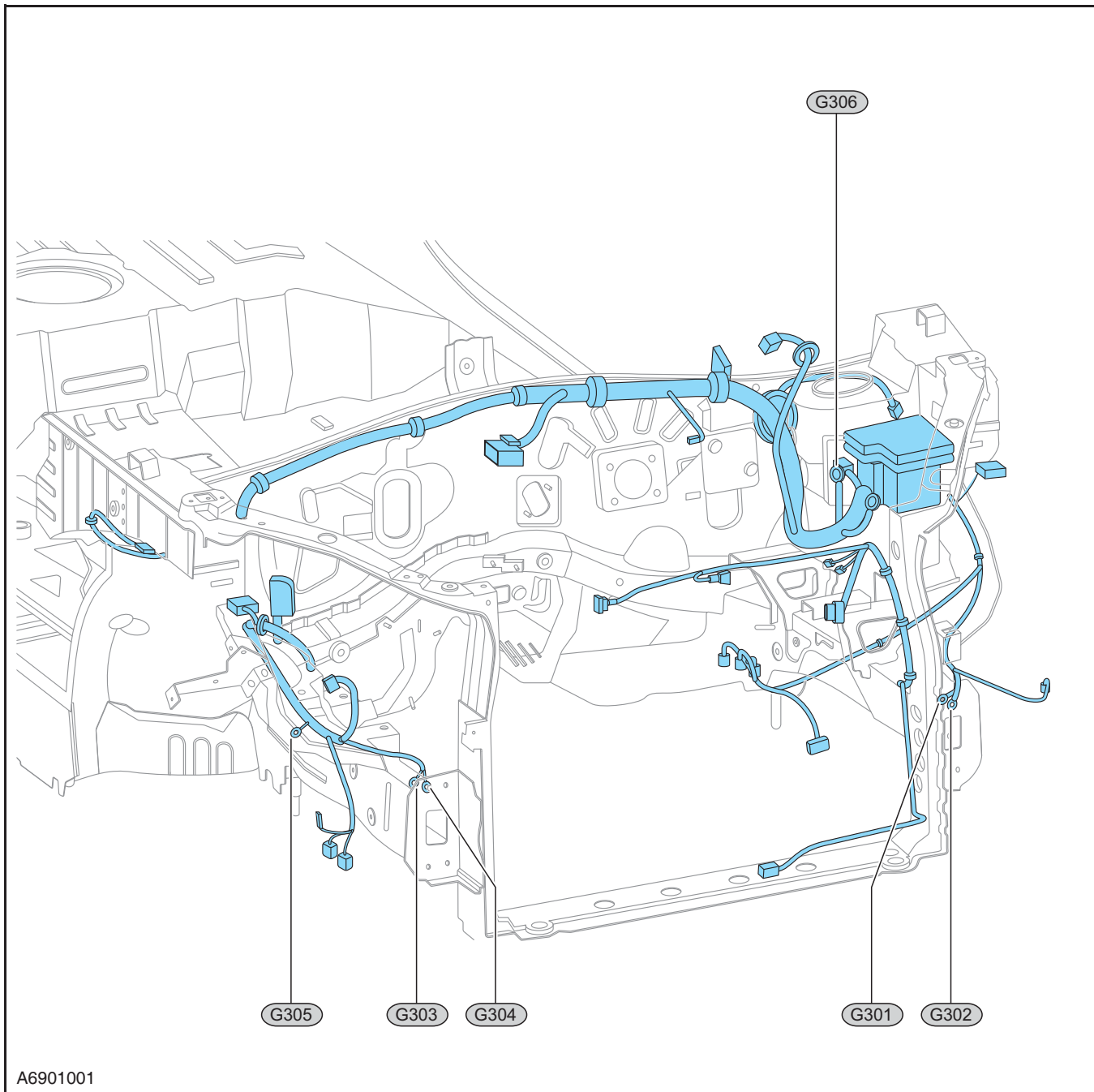
G105



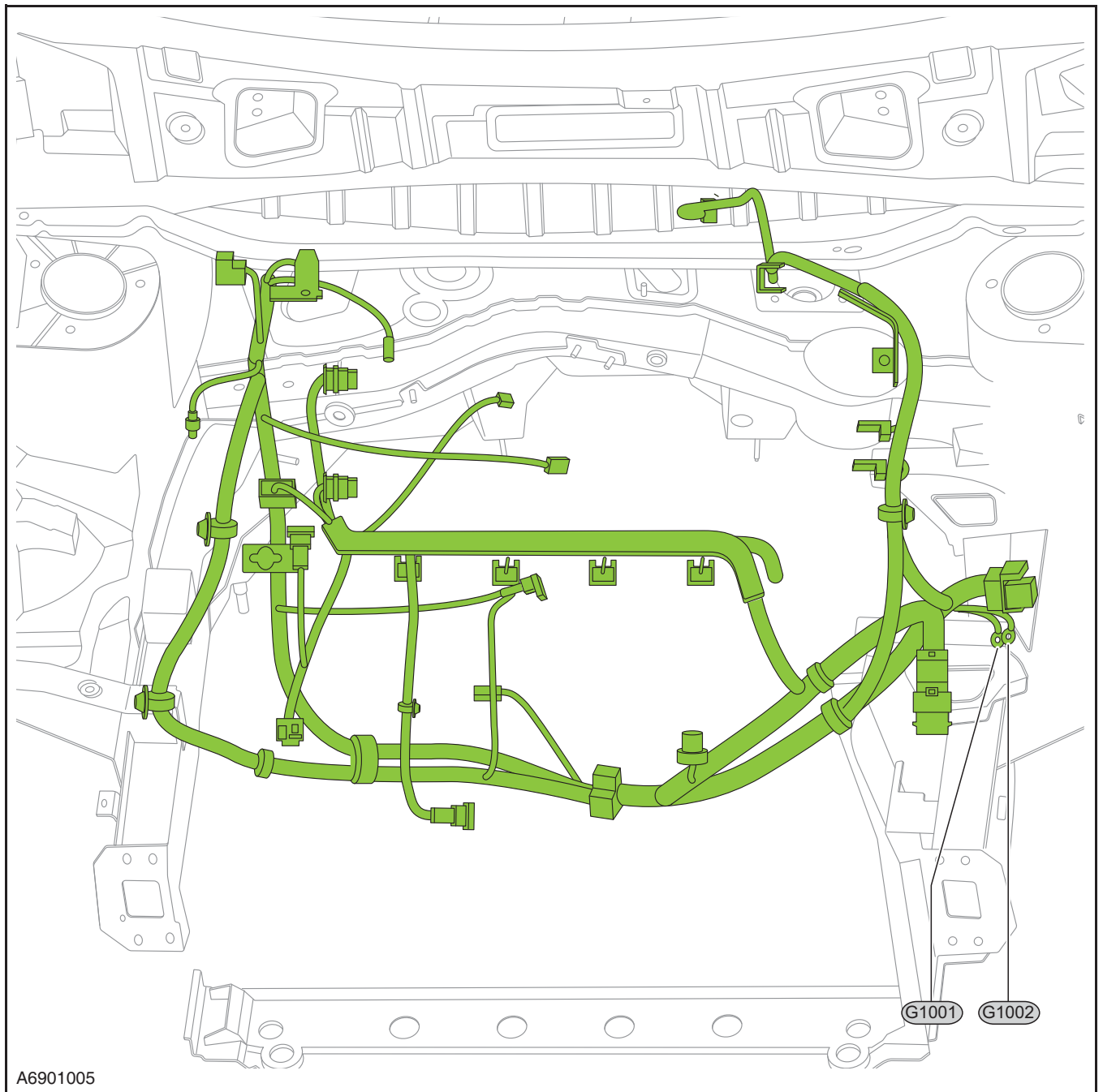
G201 G202 G203 G204 G205



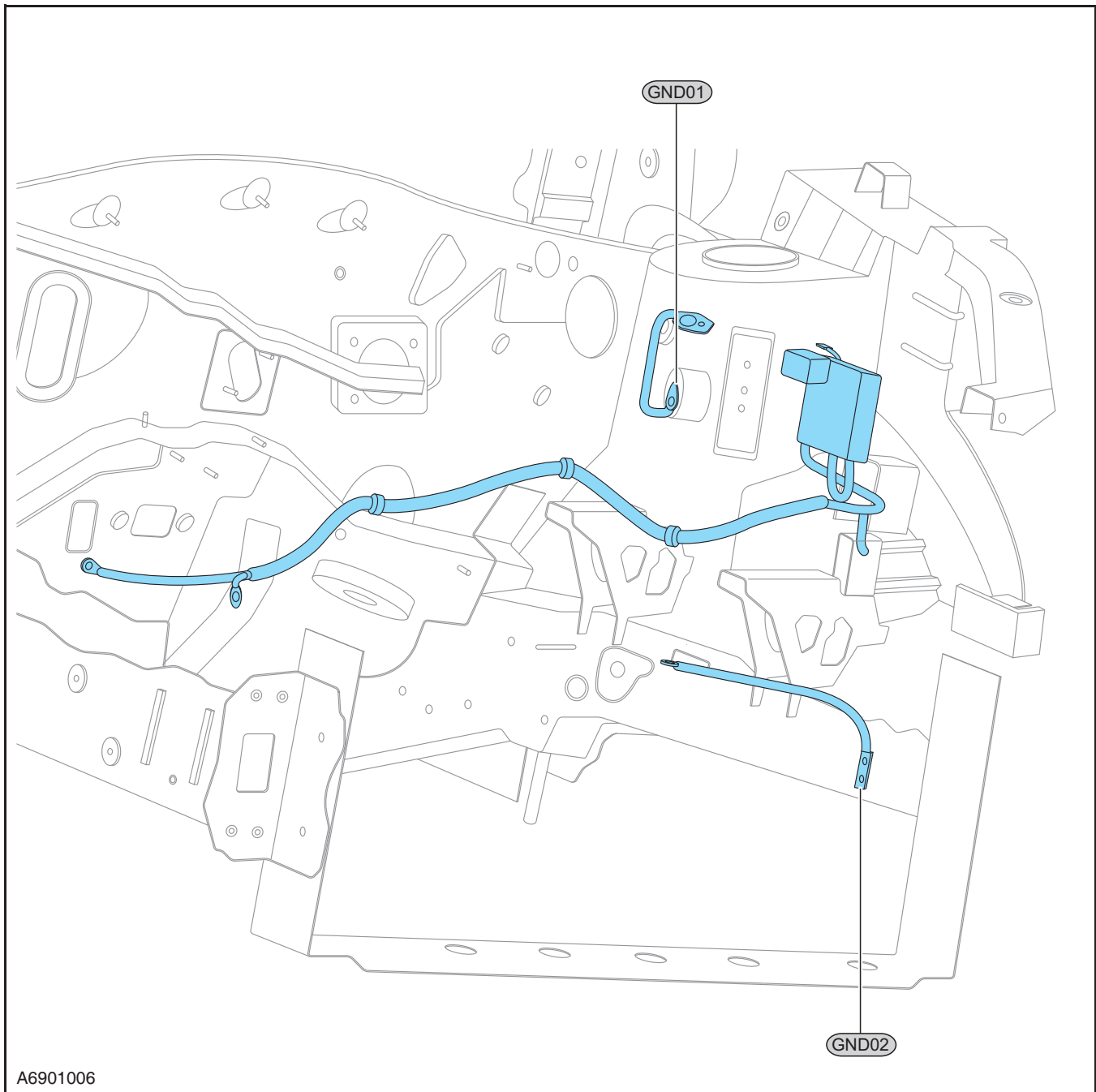
G301 G302 G303 G304 G305 G306



G1001 G1002



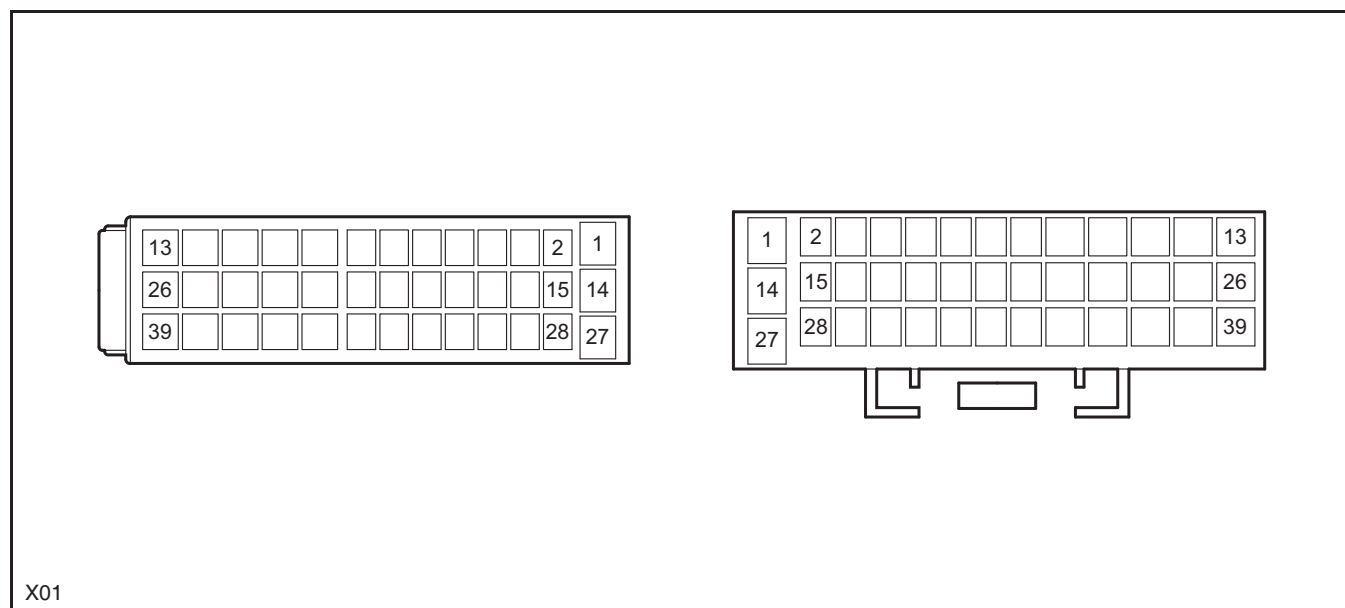
GND01 GND02



Inline Connector (X--)

I/P Harness to Engine Compartment Harness Connector A

Engine Compartment Harness to I/P Harness Connector A



X01 Pin Definition

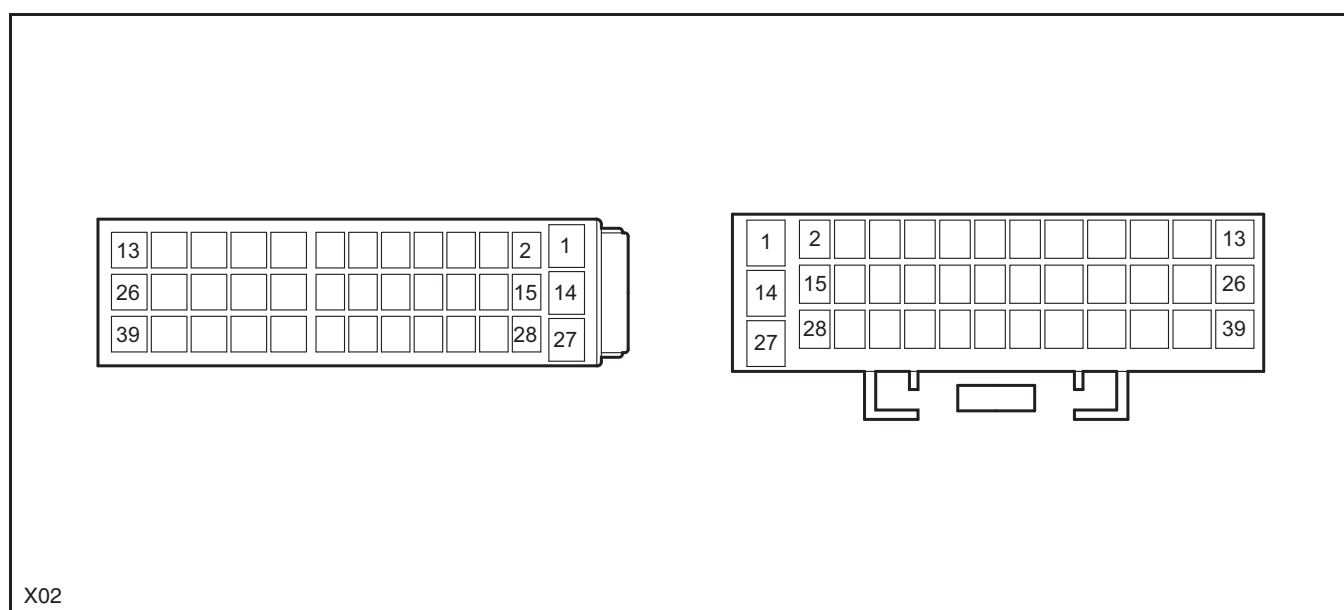
Pin Number	Wire Width/Color	Function
1	3.0 WH/BU	Starter control signal
2	-	-
2 (AT)	0.5 BN/YE	Brake lamp switch
3	-	-
3 (AT)	0.5 BN/RD	B1 pressure control solenoid valve ground
4	-	-
4 (AT)	0.5 BU/YE	L-UP control solenoid valve ground
5	-	-
5 (AT)	0.5 WH/OG	B1 pressure control solenoid valve signal
6	-	-
6 (AT)	0.5 BU/BK	L-UP control solenoid valve control signal
7	-	-
8	-	-
8 (AT)	0.5 VT/WH	C1 pressure control solenoid valve ground
9	-	-
9 (AT)	0.5 OG/WH	Oil temperature sensor signal
10	0.85 WH/VT	Horn power supply
11	0.85 BU/RD	Wiper high speed signal
12	0.85 BU	Wiper low speed signal

Pin Number	Wire Width/Color	Function
13	0.85 BU/WH	Front wiper stop position signal
14	4.0 RD	Continuous power supply
	4.0 WH	
15	-	-
15 (AT)	0.5 BK/YE	Oil temperature sensor ground
16	-	-
16 (AT)	0.5 VT	Shift solenoid valve 1 control signal
17	-	-
17 (AT)	0.5 BU/GN	C2 pressure control solenoid valve ground
18	-	-
18 (AT)	0.5 GN/BK	C2 pressure control solenoid valve control signal
19	-	-
19 (AT)	0.5 BN/GN	C1 pressure control solenoid valve control signal
20	-	-
20 (AT)	0.5 YE/GN	R position signal
21	-	-
21 (AT)	0.5 GN/YE	VSS
22	-	-
22 (AT)	0.5 GN/BU	VSS
23	-	-
23 (AT)	0.5 YE/BU	D position signal
24	-	-
24 (AT)	0.5 PK	N position signal
25	-	-
25 (AT)	0.5 GY/RD	TSS
26	-	-
26 (AT)	0.5 GY/BU	TSS
27	4.0 RD	Continuous power supply
28	0.85 BK/YE	Front washer motor switch signal
29	0.85 RD/YE	Rear washer motor switch signal
30	-	-
30 (AT)	0.5 WH	P position signal
31	-	-
32	0.5 GN/OG	Right headlamp leveling device signal
33	0.5 BN/GN	Continuous power supply
34	0.5 VT/YE	ECM K-Line
35	0.5 OG	HVAC electronic load signal

Pin Number	Wire Width/Color	Function
36	-	-
37	0.5 GY/YE	Wake up, ignition switch
38	-	-
39	-	-

I/P Harness to Engine Compartment Harness Connector B

Engine Compartment Harness to I/P Harness Connector B



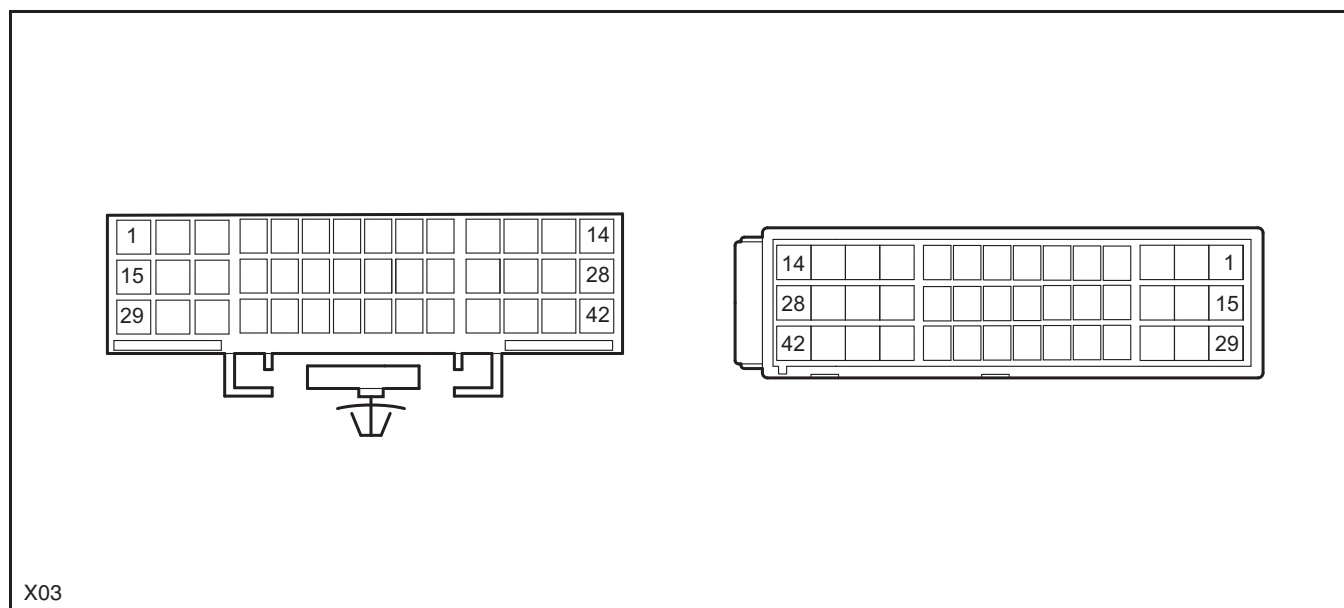
X02 Pin Definition

Pin Number	Wire Width/Color	Function
1	3.0 RD	Blower motor power supply
2	0.5 GN/YE	Low beam relay control signal
3	0.5 GN/VT	High beam relay control signal
4	0.5 LU	Engine oil pressure indicator signal
5	0.5 PK/BN	Controller and torque sensor power supply
6	-	-
6 (AT)	0.5 GY	Cruise set switch signal
7	0.5 YE/GN	Charging indicator signal
8	0.85 WH/RD	Ignition switch power supply (IG1)
9	0.85 RD/BU	Ignition switch power supply (IG1)
10	0.3 LG	Parking brake switch signal
11	-	-
12	0.5 LG	CAN low

Pin Number	Wire Width/Color	Function
13	0.5 LG/BK	CAN high
14	3.0 BK/OG	Ignition switch power supply 2
15	-	-
16	0.5 RD/WH	Continuous power supply
16 (AT)	0.6 RD/WH	DLC, TCM Continuous power supply
17	0.5 BN/OG	Reverse lamp power supply
17 (AT)	-	-
18	-	-
18 (AT)	0.5 BU/RD	Cruise set switch ground
19	0.3 BU/WH	High beam indicator signal
20	-	-
21	-	-
22	-	-
23	-	-
24	-	-
25	-	-
26	-	-
26 (AT, MT luxury)	1.25 BU/BN	Front fog lamp power supply
27	3.0 RD/YE	Ignition switch power supply 1
28	0.5 GN/BK	LF turn signal lamp power supply
29	-	-
30	0.3 PK	Outside door temperature sensor ground signal
31	0.3 BU	Outside door temperature sensor signal
32	0.5 GN/WH	RF turn signal lamp power supply
33	0.5 OG/BK	Collision oil shutoff signal
34	0.5 GN/RD	Front position lamp power supply
35	0.5 WH/VT	Ignition switch power supply (IG2)
36	0.5 GN	Left headlamp leveling device signal
37	-	-
38	0.5 YE/BK	Air conditioning switch signal
39	-	-
39 (AT, MT luxury)	2.0 RD	Continuous power supply

I/P Harness to Floor Harness Connector A

Floor Harness to I/P Harness Connector A



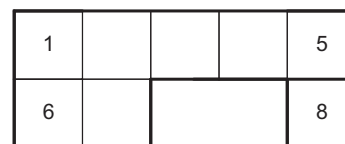
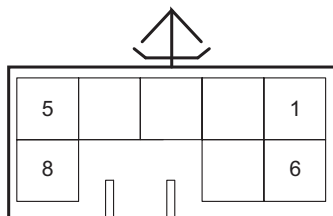
X03 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 WH/BK	Continuous power supply
2	-	-
2 (AT)	0.5 BN/WH	Reverse lamp power supply
3	0.5 GY/RD	Driver side door speaker -
4	0.5 GY/BU	Driver side door speaker +
5	0.5 BU/BK	Trunk release switch signal
6	-	-
7	0.5 GN/PK	LR door speaker +
8	0.5 GN/VT	LR door speaker -
9	0.5 PK	Antenna power supply
10	0.5 GN/BK	LR turn signal lamp, left power rearview mirror turn signal lamp power supply
11	0.3 LU/YE	Driver seat belt switch signal
12	1.25 RD/GN	Tailgate door lock motor signal
13	0.3 GN/OG	Fuel level sensor ground signal
14	0.3 YE/RD	Fuel level sensor signal
15	-	-
16	0.3 GY	LR door contact switch signal
17	0.5 YE	Power window switch control power supply
18	-	-
18 (AT, MT luxury)	0.5 OG/BK	Power rearview mirror unfolding/folding signal

Pin Number	Wire Width/Color	Function
19	-	-
19 (AT, MT luxury)	0.5 VT	Power rearview mirror unfolding/folding signal
20	0.5 WH/GN	LF door contact switch signal
21	0.5 PK/WH	Lock/unlock state switch signal
22	0.5 RD/WH	Tailgate door lock motor switch signal
23	-	-
24	-	-
25	0.85 RD/WH	Continuous power supply
26	0.3 GY/OG	Central door lock lock/unlock switch signal
27	-	-
27 (AT, MT luxury)	2.0 BK	Sunroof control module ground
28	2.0 BU/OG	Continuous power supply
29	1.25 RD	Rear defroster open signal
30	1.25 BU/BN	Rear power outlet power supply input
31	0.5 VT/RD	Continuous power supply
32	0.5 OG/WH	Rear fog lamp power supply
33	0.5 GN/RD	Rear position lamp, licence plate lamp power supply
34	-	-
35	-	-
35 (AT, MT luxury)	0.3 BN	PAM - clock
36	-	-
36 (AT, MT luxury)	0.3 BN/YE	PAM - data bus
37	-	-
38	-	-
39	0.85 BU/BN	Rear wiper motor switch signal
40	0.5 YE/GN	Rearview mirror adjusting signal
41	0.5 BK/BN	Left power rearview mirror up-down adjusting signal
42	0.5 BK/BU	Left power rearview mirror left-right adjusting signal

I/P Harness to Headliner Harness Connector

Headliner Harness to I/P Harness Connector



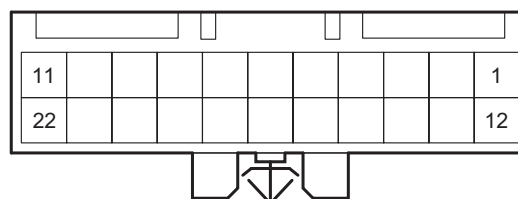
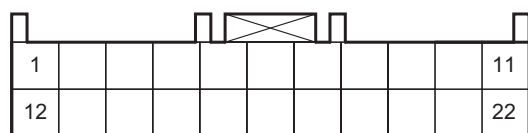
X04

X04 Pin Number

Pin Number	Wire Width/Color	Function
1	0.5 RD/BN	Door control switch signal
2	0.5 WH/BK	Front dome lamp, rear dome lamp power supply
3	0.5 BK	Front dome lamp, rear dome lamp ground
4	-	-
4 (AT)	0.5 YE	Sunroof control module power supply
5	-	-
5 (AT)	2.0 RD	Continuous power supply
6	-	-
6 (AT)	2.0 BK	Sunroof control module ground
7	-	-
8	-	-

I/P Harness to Floor Harness Connector B

Floor Harness to I/P Harness Connector B



X05

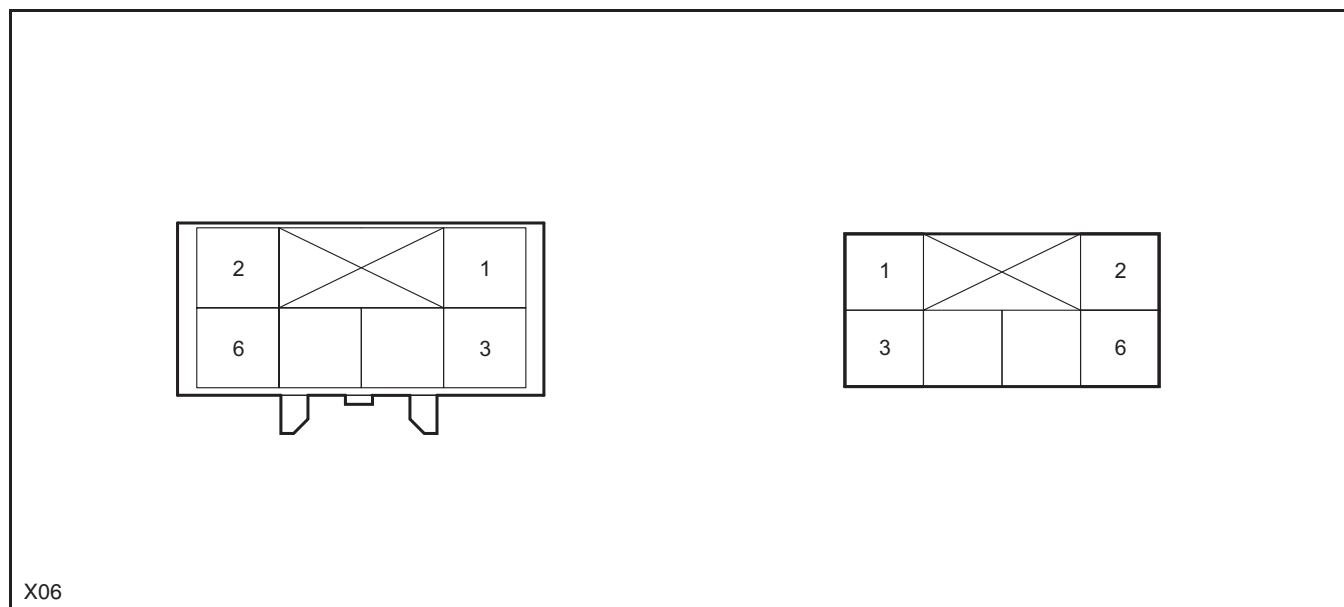
X05 Pin Number

Pin Number	Wire Width/Color	Function
1	0.5 VT/OG	Passenger side door speaker -
2	0.5 VT/GN	Passenger side door speaker +
3	0.5 GN	Continuous power supply
4	0.5 WH/BU	RF door contact switch signal
5	0.3 WH	RR door contact switch signal
6	-	-
7	-	-
8	-	-
9	0.5 GN/BU	RR door speaker -
10	0.5 GN/BN	RR door speaker +
11	1.25 VT/RD	Door unlock signal
12	1.25 VT/YE	Door lock signal
13	0.5 BK/OG	Right power rearview mirror up-down adjusting signal
14	-	-
15	0.5 GN/WH	RR turn signal lamp, right power rearview mirror turn signal lamp power supply
16	0.5 BK/VT	Right power rearview mirror left-right adjusting signal
17	2.0 BU/BK	Continuous power supply
18	-	-
19	-	-
20	-	-
21	-	-

Pin Number	Wire Width/Color	Function
22	-	-

I/P Harness to Airbag Harness Connector

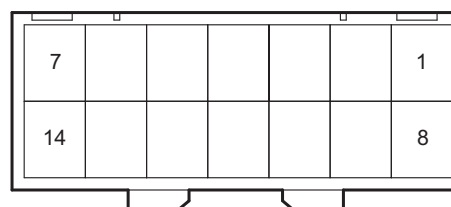
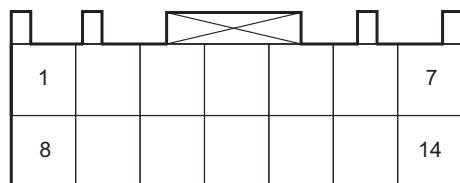
Airbag Harness to I/P Harness Connector

**X06 Pin Number**

Pin Number	Wire Width/Color	Function
1	0.5 OG	Ignition switch power supply (IG1)
2	-	-
3	0.5 OG/GN	Diagnosis K-line
4	-	-
5	0.3 BN	SDM fault warning indicator
6	0.5 OG/BK	Collision oil shutoff signal

Airbag Harness to Floor Harness Connector

Floor Harness to Airbag Harness Connector



X07

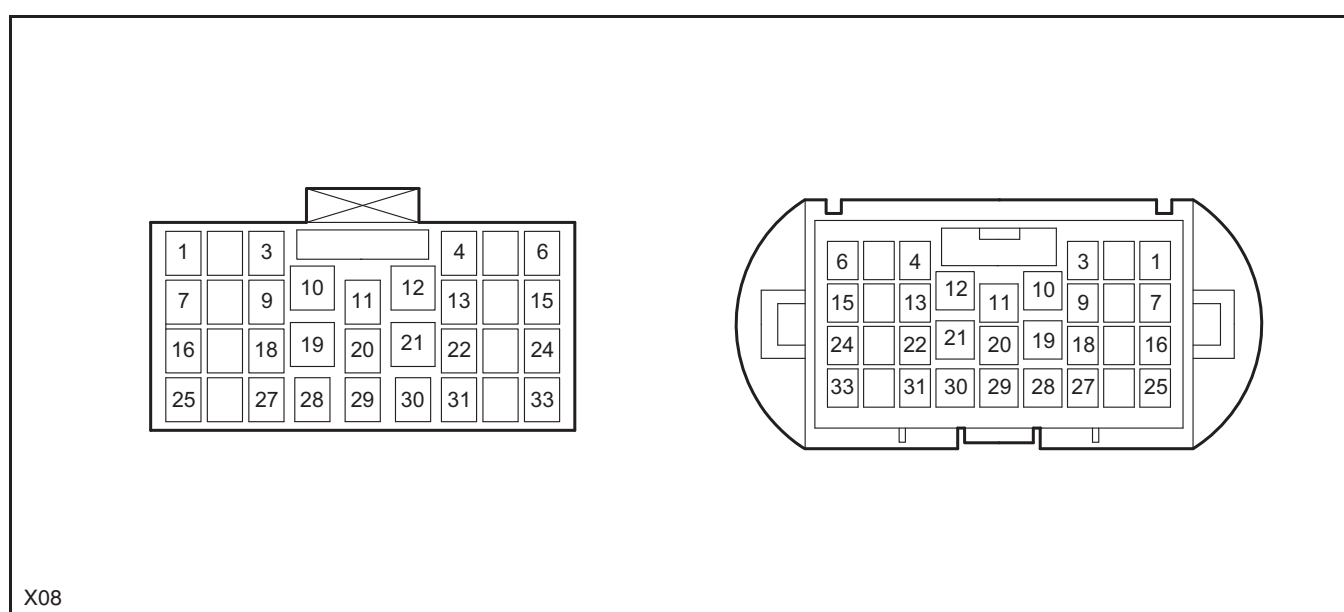
X07 Pin Definition

Pin Number	Wire Width/Color	Function
1	-	-
1 (AT, MT luxury)	0.5 YE	Passenger side impact sensor ground signal
2	-	-
2 (AT, MT luxury)	0.5 BK	Passenger side impact sensor
3	0.5 BU	Passenger seat belt pretensioner power supply signal
4	0.5 VT	Passenger seat belt pretensioner ground signal
5	-	-
5 (AT, MT luxury)	0.5 GN/BU	Passenger side airbag power supply signal
6	-	-
6 (AT, MT luxury)	0.5 GN/BN	Passenger side airbag ground signal
7	-	-
7 (AT, MT luxury)	0.5 YE/BK	Passenger side airbag power supply signal
8	-	-
8 (AT, MT luxury)	0.5 YE/RD	Driver side airbag ground signal
9	-	-
9 (AT, MT luxury)	0.5 RD	Driver side impact sensor power supply signal

Pin Number	Wire Width/Color	Function
10	-	-
10 (AT, MT luxury)	0.5 BK	Driver side impact sensor ground signal
11	0.5 GY/WH	Driver side seat belt pretensioner power supply signal
12	0.5 GY/GN	Driver side seat belt pretensioner ground signal
13	-	-
14	-	-

Floor Harness to Right Front Door Harness Connector

Right Front Door Harness to Floor Harness Connector

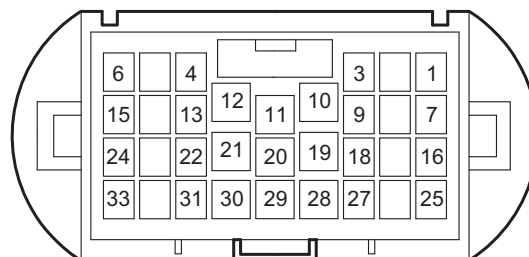
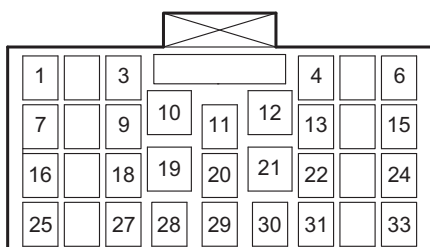
**X08 Pin Number**

Pin Number	Wire Width/Color	Function
1	0.5 VT/OG	Passenger side door speaker -
2	0.5 VT/GN	Passenger side door speaker +
3	0.5 GN	Continuous power supply
4	0.5 WH/BU	RF door contact switch signal
5 (AT, MT luxury)	0.5 VT	Power rearview mirror unfolding/folding signal
6 (AT, MT luxury)	0.5 OG/BK	Power rearview mirror unfolding/folding signal
7	0.5 YE/GN	Right power rearview mirror adjusting signal
8	0.5 BK/OG	Right power rearview mirror up-down adjusting signal
9	1.25 VT/YE	Door lock signal
10	-	-

Pin Number	Wire Width/Color	Function
11	0.5 YE	Passenger side power window switch control power supply
12	-	-
13	0.5 BK/VT	Right power rearview mirror left-right adjusting signal
14	0.5 GN/WH	Right power rearview mirror turn signal lamp power supply
15	-	-
16	0.5 GN/RD	Backlighting illumination signal
17	0.5 YE/OG	Passenger side window regulator motor up control signal
18	-	-
19	-	-
20	2.0 BK	Passenger side power window switch ground
21	-	-
22	-	-
23	-	-
24	2.0 BK/BU	Power window safety switch signal
25	-	-
26	0.5 RD/OG	Passenger side window regulator down control signal
27	1.25 VT/RD	Door lock signal
28	-	-
29	-	-
30	-	-
31	-	-
32	-	-
33	2.0 BU/BK	Continuous power supply

Floor Harness to Left Front Door Harness Connector

Left Front Door Harness to Floor Harness Connector



X09

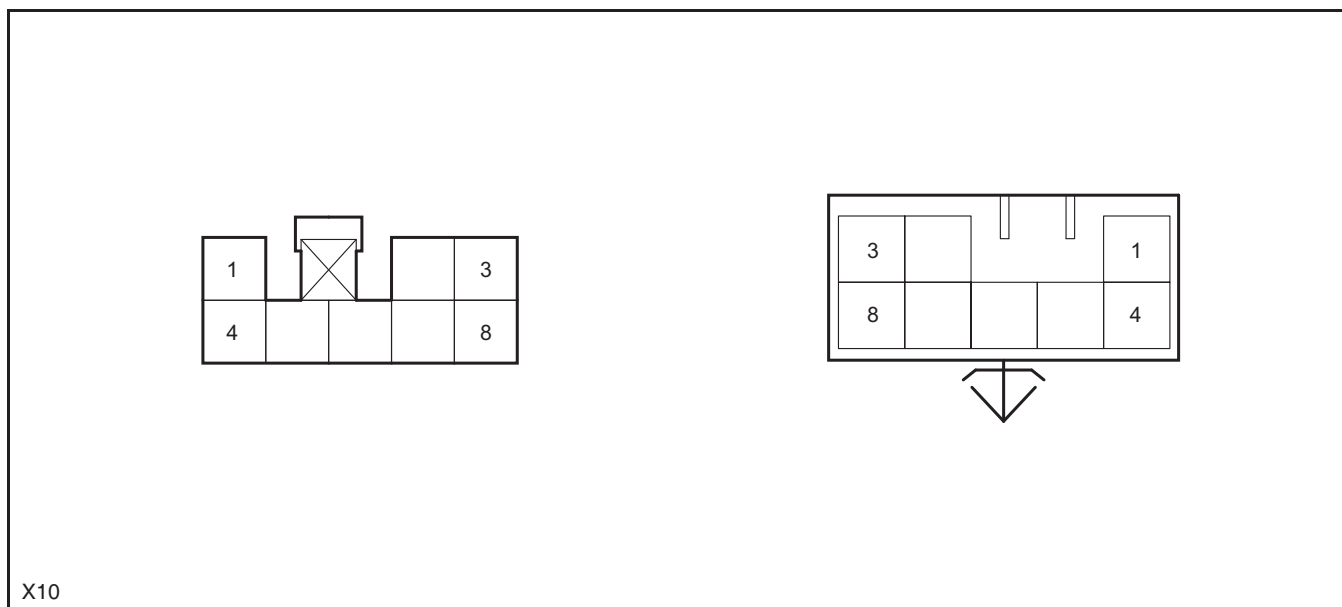
X09 Pin Number

Pin Number	Wire Width/Color	Function
1	0.5 BK/BU	Left power rearview mirror left-right adjusting signal
2	0.5 BK/BN	Left power rearview mirror up-down adjusting signal
3	0.5 YE/GN	Left power rearview mirror adjusting signal
4	1.25 VT/RD	Door lock signal
5	0.5 GN/RD	Backlighting illumination power supply
6	0.5 GN/BK	Left power rearview mirror turn signal lamp power supply
7	2.0 BK/BU	Power window safety switch signal
8	-	-
9	-	-
10	-	-
11	2.0 BU/OG	Continuous power supply
12	-	-
13	0.5 BU/GN	RR door window regulator motor up control signal
14	0.5 VT/RD	Continuous power supply
15	0.5 WH/GN	LF door contact switch signal
16	0.5 PK/WH	Lock/unlock state switch signal
17	-	-
18	0.5 BK	Driver side door power window switch ground
19	-	-
20	2.0 BK	Left power rearview mirror ground
21	-	-

Pin Number	Wire Width/Color	Function
22	0.5 PK/BN	RR door window regulator motor down control signal
23	0.5 GY	LR door window regulator motor down control signal
24	0.5 PK/YE	LR door window regulator motor up control signal
25	0.5 GY/RD	Driver side door speaker -
26	0.5 GY/BU	Driver side door speaker +
27	0.5 YE/OG	Passenger side door window regulator motor up control signal
28 (AT, MT luxury)	0.5 VT	Power rearview mirror unfolding/folding signal
29	0.5 YE	Driver side power window switch control power supply
30 (AT, MT luxury)	0.5 OG/BK	Power rearview mirror unfolding/folding signal
31	0.5 RD/OG	Passenger side door window regulator motor down control signal
32	0.3 GY/OG	Central door lock lock/unlock switch signal
33	1.25 VT/YE	Door lock signal

Floor Harness to Engine Compartment Harness Connector

Engine Compartment Harness to Floor Harness Connector

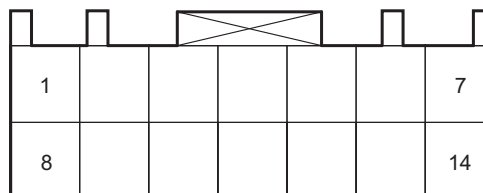
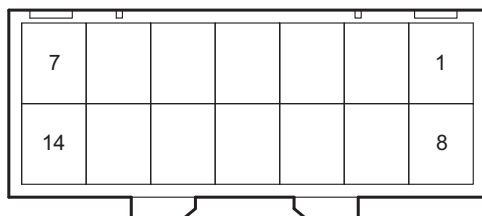


X10 Pin Number

Pin Number	Wire Width/Color	Function
1	1.25 GN	Fuel pump power supply
2	0.5 GN/BU	LR VSS power supply
3	0.5 GN/YE	LR VSS signal
4	0.5 BN/YE	Brake lamp power supply signal
5	0.3 LG	Parking brake switch signal
6	0.5 GN/VT	RR VSS power supply
7	0.5 GN/PK	RR VSS signal
8	0.5 BN/WH	Reverse lamp power supply
8 (AT)	-	-

Floor Harness to Left Rear Door Harness Connector

Left Rear Door Harness to Floor Harness Connector



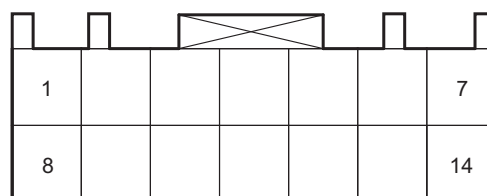
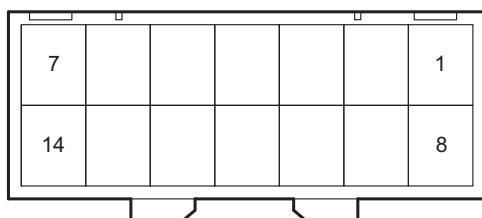
X11

X11 Pin Number

Pin Number	Wire Width/Color	Function
1	0.5 GN/VT	LR door speaker -
2	0.5 GN/PK	LR door speaker +
3	1.25 VT/RD	Door unlock signal
4	1.25 VT/YE	Door lock signal
5	-	-
6	0.5 GN/RD	Backlighting illumination signal
7	2.0 BK/BU	Power window safety switch signal
8	0.5 PK/YE	LR door window regulator motor up control signal
9	2.0 BK	LR power window switch ground
10	0.5 GY	LR door window regulator motor down control signal
11	2.0 BU/OG	Continuous power supply
12	0.5 YE	LR power window switch control power supply
13	-	-
14	-	-

Floor Harness to Right Rear Door Harness Connector

Right Rear Door Harness to Floor Harness Connector



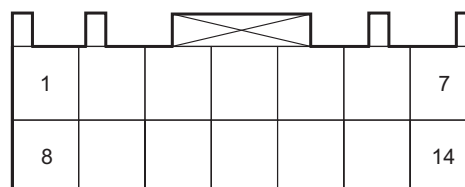
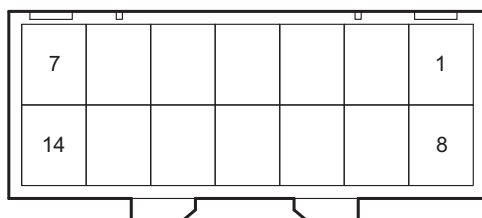
X12

X12 Pin Number

Pin Number	Wire Width/Color	Function
1	0.5 GN/BU	RR door speaker -
2	0.5 GN/BN	RR door speaker +
3	1.25 VT/RD	Door unlock signal
4	1.25 VT/YE	Door lock signal
5	-	-
6	2.0 BU/BK	Continuous power supply
7	0.5 YE	RR power window switch control power supply
8	0.5 GN/RD	Backlighting illumination signal
9	2.0 BK/BU	Power window safety switch signal
10	0.5 BU/GN	RR door window regulator motor up control signal
11	0.5 PK/BN	RR door window regulator motor down control signal
12	2.0 BK	RR power window switch ground
13	-	-
14	-	-

Floor Harness to Tailgate Extended Harness Connector

Tailgate Extended Harness to Floor Harness Connector



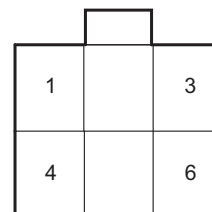
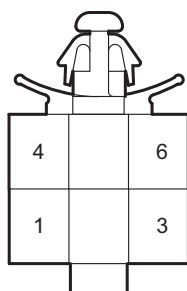
X13

X13 Pin Number

Pin Number	Wire Width/Color	Function
1	1.25 RD	Rear defroster open signal
2	0.5 BN/WH	Reverse lamp power supply
2 (AT)	0.5 BN/WH	Reverse lamp power supply
3	1.25 RD/GN	Tailgate door lock motor signal
4	0.5 GN/RD	Lisence plate lamp power supply
5	2.0 BK	Trunk release switch, tailgate door lock motor, rear wiper motor, rear defroster ground
6	0.85 BK	Lisence plate lamp, reverse lamp ground
7	0.5 BU/BK	Trunk release switch signal
8	0.5 RD/WH	Tailgate door lock motor switch signal
9	0.85 BU/BN	Rear wiper motor switch signal
10	0.85 RD/WH	Continuous power supply
11	0.5 BN/YE	High mounted brake lamp power supply
12	0.5 BK	High mounted brake lamp ground
13	0.5 PK	Antenna power supply
14	-	-

Floor Harness to Rear Bumper Harness Connector

Rear Bumper Harness to Floor Harness Connector



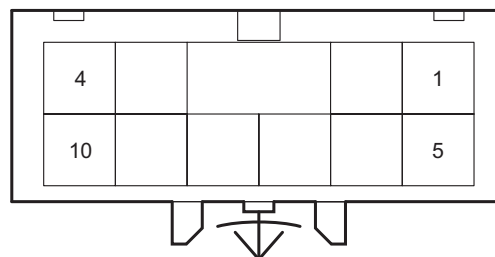
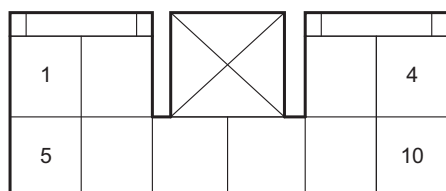
X14

X14 Pin Number

Pin Number	Wire Width/Color	Function
1	0.5 OG/WH	Rear fog lamp power supply
2	0.5 BN/BK	Parking aid sensor control signal
3	0.5 BN/GN	LR parking aid sensor signal
4	0.5 BN/BU	Center rear parking aid sensor signal
5	0.5 BN/RD	RR parking aid sensor signal
6	0.5 BK	Rear fog lamp ground

Floor Harness to Tailgate Harness Connector

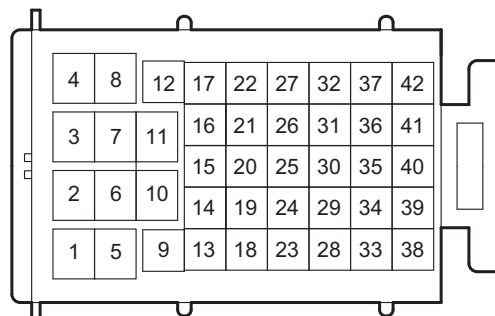
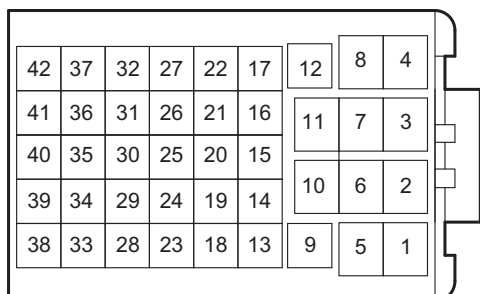
Tailgate Harness to Floor Harness Connector



X15

X15 Pin Number

Pin Number	Wire Width/Color	Function
1	1.25 RD	Rear defroster open signal
2	0.5 BN/WH	Reverse lamp power supply
2 (AT)	0.5 BN/WH	Reverse lamp power supply
3	1.25 RD/GN	Tailgate door lock motor signal
4	0.5 GN/RD	Lisence plate lamp power supply
5	2.0 BK	Trunk release switch, tailgate door lock motor, rear wiper motor, rear defroster ground
6	0.85 BK	Reverse lamp, lisence plate lamp ground
7	0.5 BU/BK	Trunk release switch signal
8	0.5 RD/WH	Tailgate door lock motor switch signal
9	0.85 BU/BN	Rear wiper motor switch signal
10	0.85 RD/WH	Continuous power supply

Engine Compartment Harness to Engine Harness
ConnectorEngine Harness to Engine Compartment Harness
Connector

X16

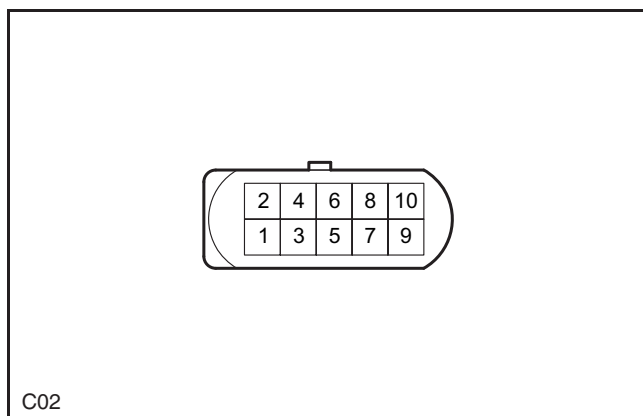
X16 Pin Number

Pin Number	Wire Width/Color	Function
1	0.5 RD/WH	Continuous power supply
2	0.85 WH/RD	Ignition switch power supply (IG1)
3	1.25 BK/BU	Injector, exhaust valve, ECM, oxygen sensor, EVAP solenoid valve power supply
4	1.25 BK/YE	Ignition coil power supply
5	-	-
6	0.5 WH/VT	Compressor clutch power supply
7	-	-
7 (AT)	0.5 GY	Cruise set switch signal
8	0.5 OG/BK	Collision oil shutoff signal
9	0.5 BN/WH	Reverse lamp switch signal
9 (AT)	-	-
10	0.85 RD/BU	Ignition switch ON position signal
11	2.5 VT	Starter solenoid valve power supply
12	0.5 YE/GN	Charge indicator signal
13	0.5 BK/WH	Main relay signal
14	0.5 YE/OG	5V power supply 1
15	0.5 BN	APP sensor 1
16	0.5 YE/WH	Sensor ground 2
17	0.5 BN/BK	5V power supply 2
18	0.5 BN/RD	APP sensor 2

Pin Number	Wire Width/Color	Function
19	0.5 RD/YE	Sensor ground 3
20	0.5 BU/WH	Clutch top position switch signal input
20 (AT)	-	-
21	0.5 BU/GN	Three-state pressure switch signal
22	0.5 RD/OG	Air conditioning switch signal
23	0.5 YE	Low speed fan relay signal
24	0.5 VT/BU	High speed fan relay signal
25	0.5 PK/BN	Fuel pump relay control signal
26	0.5 OG	Air conditioning heating electronic load signal
27	0.5 YE/BN	Compressor relay control signal
28	0.5 BN/BU	Brake lamp switch signal
29	0.5 BN/YE	Brake lamp signal
30	0.5 VT/YE	ECM K-Line
31	0.5 LU	Oil pressure warning indicator signal
32	0.5 YE/WH	Sensor ground 2
33	0.5 BN/BK	5V power supply 2
34	0.5 BN/RD	APP sensor 2
35	0.5 RD/YE	Sensor ground 3
36	0.3 LG	CAN low
37	0.3 LG/BK	CAN high
38	-	-
39	-	-
39(AT)	0.5 BU/BK	Cruise set switch ground
40	0.5 YE/OG	5V power supply 1
41	0.5 BN	APP sensor 1
42	0.5 BN/OG	Reverse lamp power supply
42(AT)	-	-

Engine Compartment Harness Connector (C--)

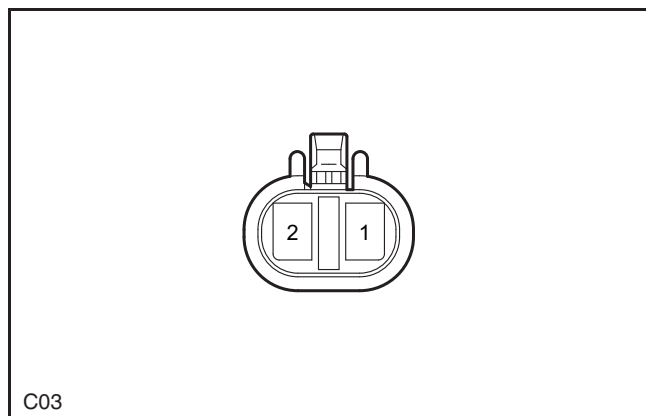
Left Headlamp Connector



C02 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/RD	LF position lamp power supply
2	-	-
3	0.5 WH/VT	Left headlamp leveling device motor power supply
4	0.5 GN/BK	LF turn signal lamp power supply
5	0.85 BK	Ground
6	0.5 BK	Ground
7	1.25 BU/RD	Left low beam power supply
8	-	-
9	1.25 BU/WH	Left high beam power supply
10	0.5 GN	Left headlamp leveling device signal

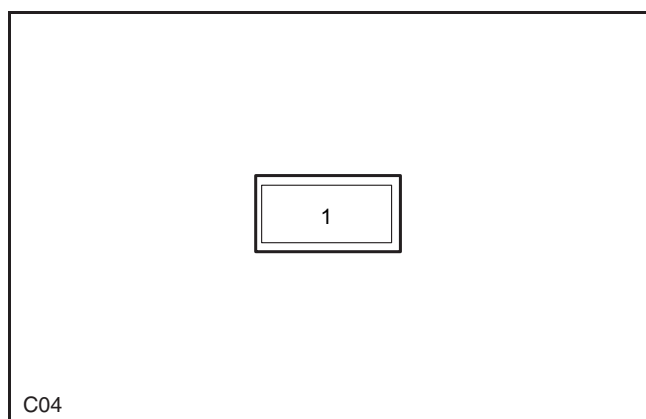
Left Front Fog Lamp Connector



C03 (AT, MT luxury) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 BU/BN	LF fog lamp power supply
2	0.85 BK	Ground

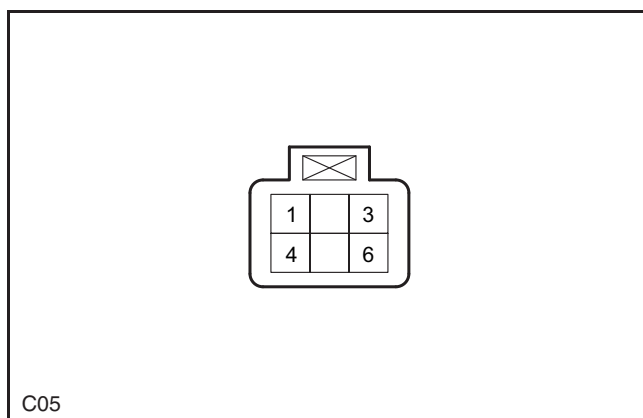
Battery Positive Lug (EPS Power)



C04 Pin Definition

Pin Number	Wire Width/Color	Function
1	10.0 RD	EPS power output

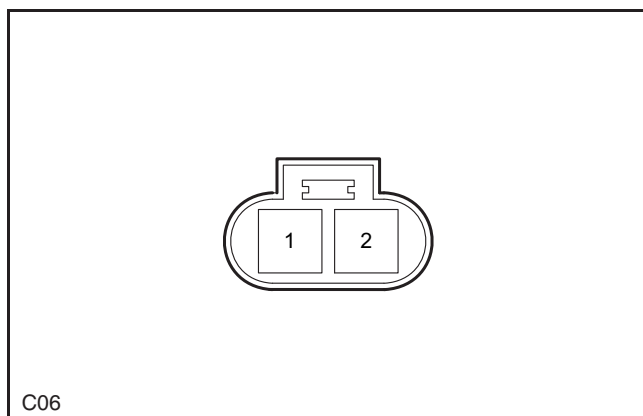
Front Windshield Wiper Motor Connector



C04 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 BU/RD	Wiper high speed signal
2	-	-
3	0.85 BU/WH	Front wiper stop position signal
4	-	-
5	0.5 BK	Ground
6	0.85 BU	Wiper low speed signal

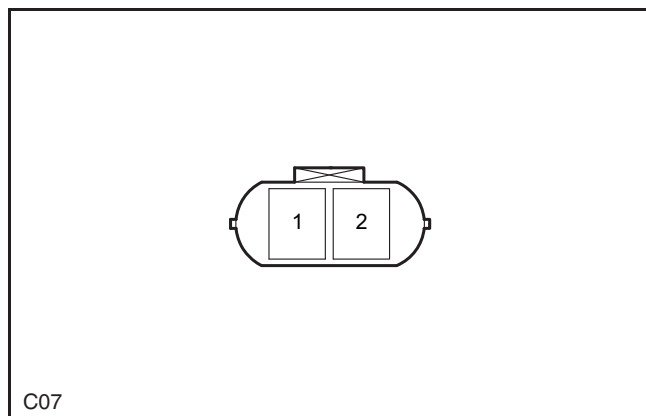
Outside Air Temperature Sensor Connector



C06 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.3 BU	Signal
2	0.3 PK	Ground

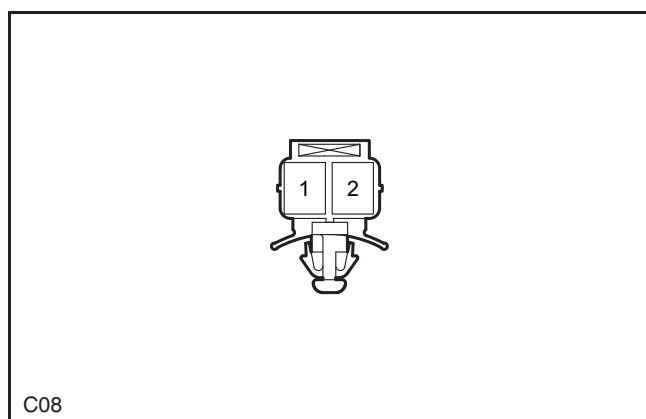
Brake Fluid Level Sensor Connector



C07 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.3 LG	Brake fluid level signal
2	0.3 BK	Ground

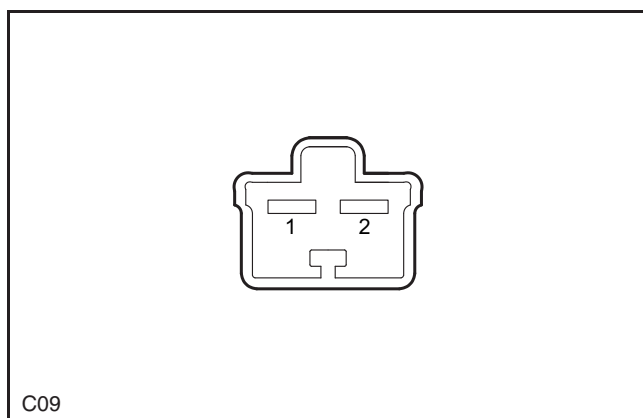
WSS (LF) Connector



C08 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GY/WH	Power supply
2	0.5 GY/GN	Signal

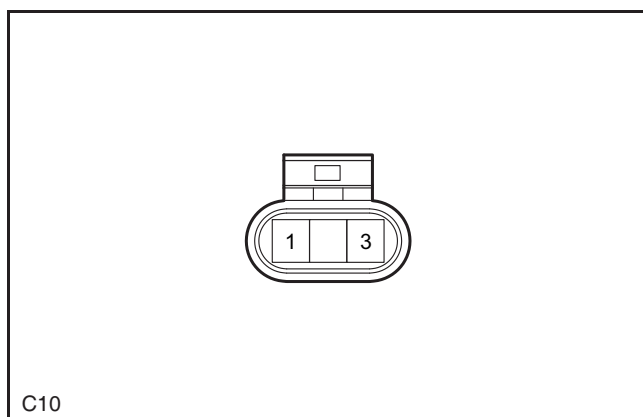
Clutch Top Position Switch Connector



C09 (MT) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BU/WH	Signal output
2	0.5 BK	Ground
3	-	-
4	-	-

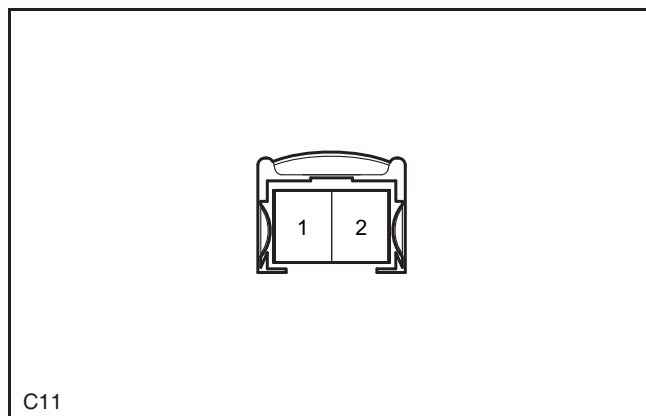
Radiator Fan Motor Connector



C10 Pin Definition

Pin Number	Wire Width/Color	Function
1	3.0 BK	Ground
2	3.0 WH/BK	Radiator low speed fan motor power supply
3	3.0 WH/YE	Radiator high speed fan motor power supply

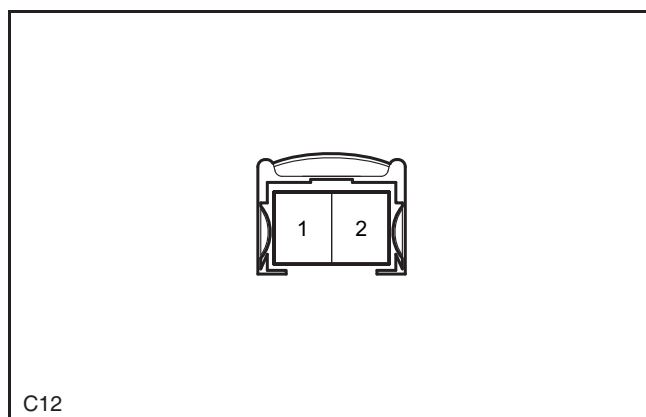
Horn Connector A



C11 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 WH/VT	Horn power supply
2	0.85 BK	Ground

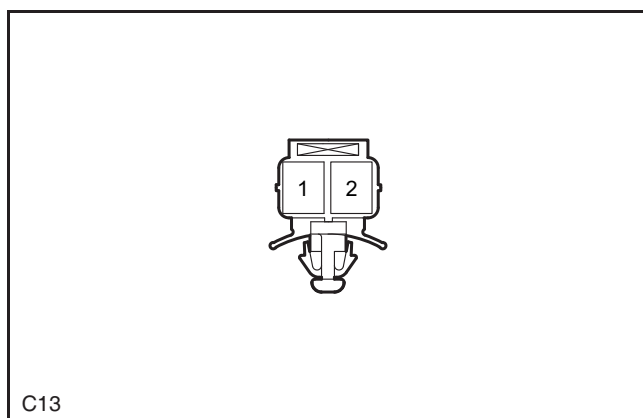
Horn Connector B



C12 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 WH/VT	Horn power supply
2	0.85 BK	Ground

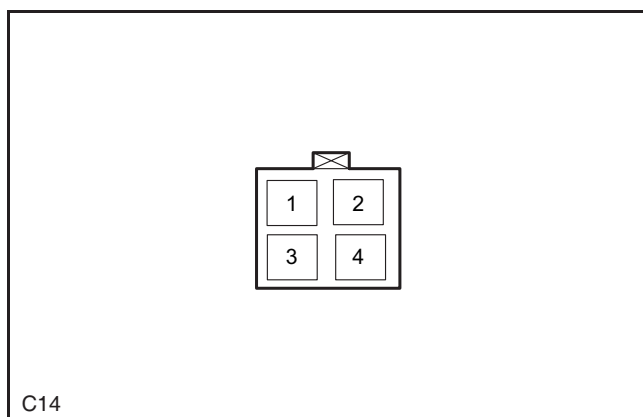
WSS (RF) Connector



C13 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GY/RD	Power supply
2	0.5 GY/BU	Signal

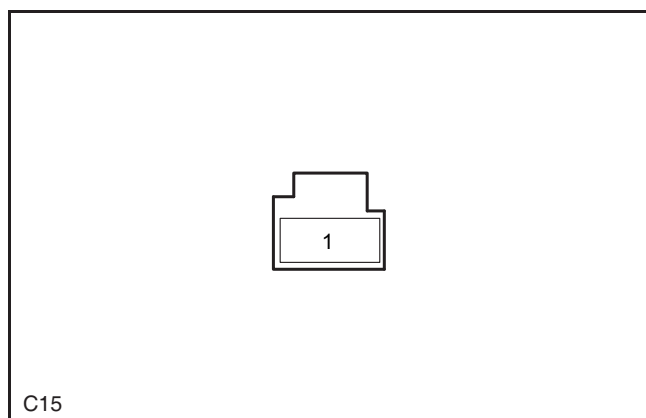
Brake Lamp Switch Connector



C14 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BN/GN	Continuous power supply
2	0.5 BN/YE	Brake lamp signal
3	0.85 RD/BU	Ignition switch signal (IG1)
4	0.5 BN/BU	Brake lamp switch signal

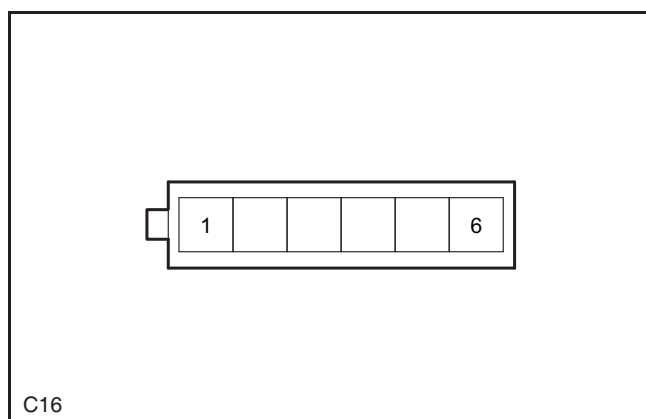
EPS Power Connector



C15 Pin Definition

Pin Number	Wire Width/Color	Function
1	10.0 RD	EPS power input

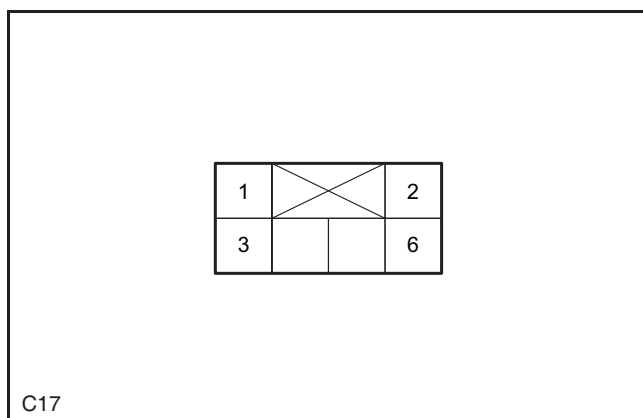
APP Connector



C16 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BN/RD	APP sensor 2
2	0.5 BN/BK	5V power supply 2
3	0.5 YE/OG	5V power supply 1
4	0.5 BN	APP sensor 2
5	0.5 YE/WH	Sensor ground 2
6	0.5 RD/YE	Sensor ground 3

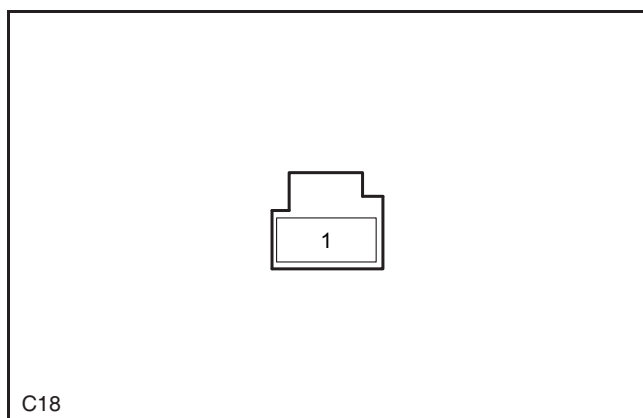
EPS Connector



C17 Pin Definition

Pin Number	Wire Width/Color	Function
1	-	-
2	0.5 LG/BK	CAN high
3	-	-
4	-	-
5	0.5 PK/BN	Controller and torque sensor power supply
6	0.5 LG	CAN low

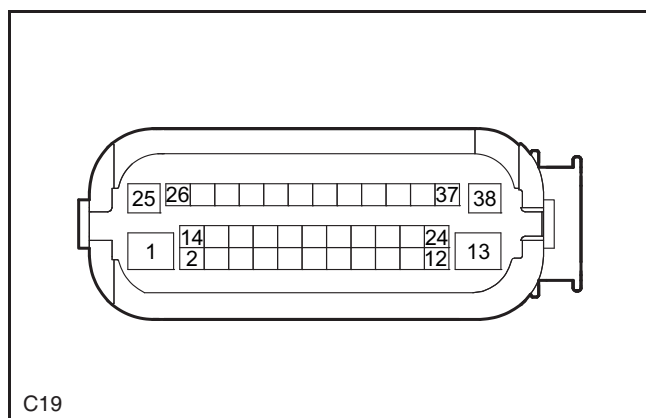
EPS Ground Connector



C18 Pin Definition

Pin Number	Wire Width/Color	Function
1	10.0 BK	Ground

ABS Connector

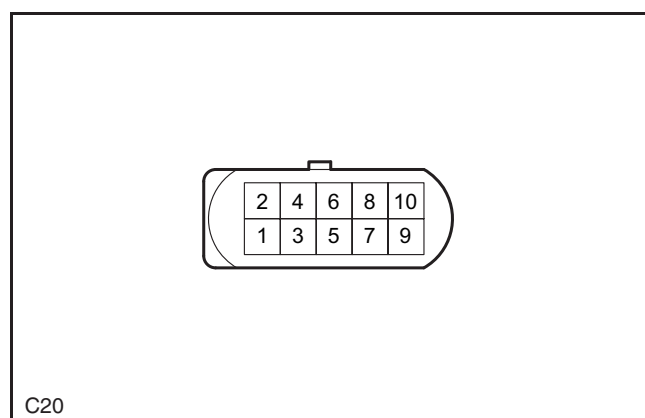


C19 Pin Definition

Pin Number	Wire Width/Color	Function
1	4.0 GN/YE	Motor power supply
2	-	-
3	-	-
4	0.5 GY/BU	RF WSS signal
5	-	-
6	-	-
7	-	-
8	0.5 GY/GN	LF WSS signal
9	-	-
10	-	-
11	-	-
12	-	-
13	4.0 BK	Ground
14	0.5 LG	CAN-L
15	-	-
16	0.5 GY/RD	RF WSS power supply
17	0.5 GN/VT	RR WSS power supply
18	0.5 GN/YE	LR WSS signal
19	0.5 GY/WH	LF WSS power supply
20	-	-
21	-	-
22	-	-
23	-	-
24	-	-
25	2.0 WH/BK	Solenoid valve power supply
26	0.5 LG/BK	CAN-H

Pin Number	Wire Width/Color	Function
27	-	-
28	0.5 GY/YE	Ignition switch power supply (IG2)
29	0.5 GN/PK	RR WSS signal
30	0.5 BN/YE	Brake lamp switch signal
31	0.5 GN/BU	LR WSS power supply
32	-	-
33	-	-
34	-	-
35	-	-
36	-	-
37	-	-
38	2.0 BK	Ground

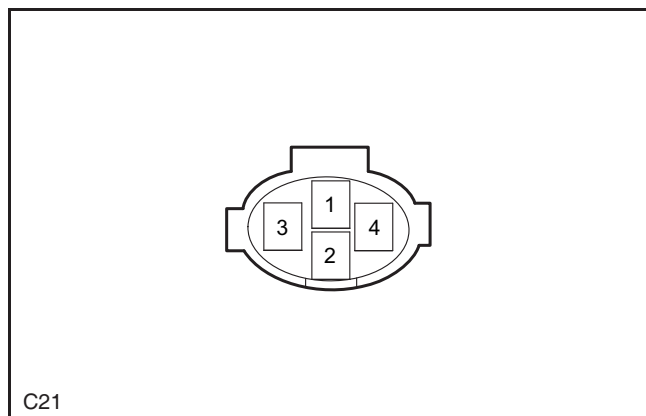
Right Headlamp Connector



C20 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/RD	RF position lamp power supply
2	-	-
3	0.5 WH/VT	Right headlamp leveling device motor power supply
4	0.5 GN/WH	LF turn signal lamp power supply
5	0.85 BK	Ground
6	0.5 BK	Ground
7	1.25 BU/RD	Right low beam power supply
8	-	-
9	1.25 BU/WH	Left high beam power supply
10	0.5 GN/OG	Right headlamp leveling device signal

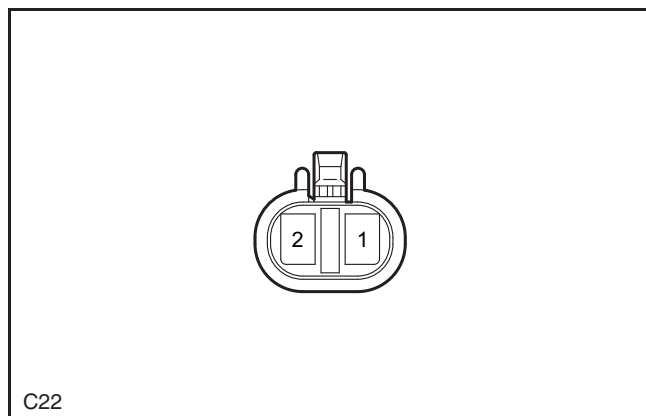
Three-state Pressure Switch Connector



C21 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 RD/OG	A/C switch signal output
2	0.5 YE/BK	A/C switch signal input
3	0.5 BU/GN	Three-state pressure switch signal
4	0.5 BK	Ground

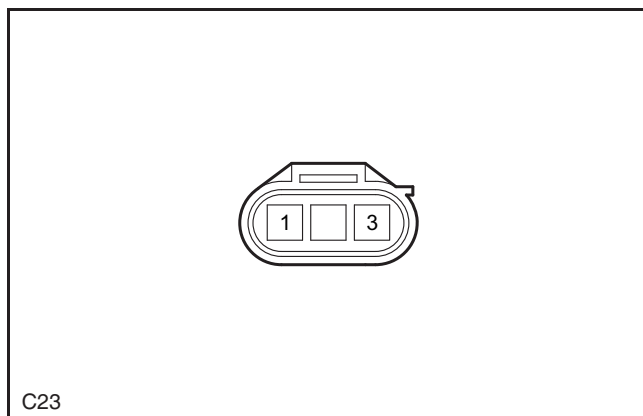
Right Front Fog Lamp Connector



C22 (AT, MT luxury) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 BU/BN	Power supply
2	0.85 BK	Ground

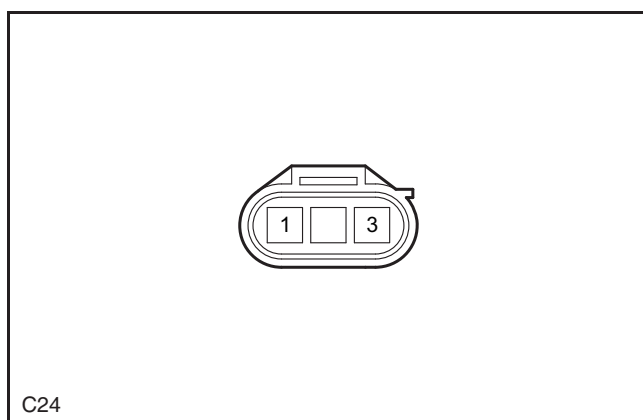
Front Windshield Washer Pump Motor Connector



C23 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 BK/YE	Front windshield washer pump motor switch signal
2	0.85 BK	Ground
3	-	-

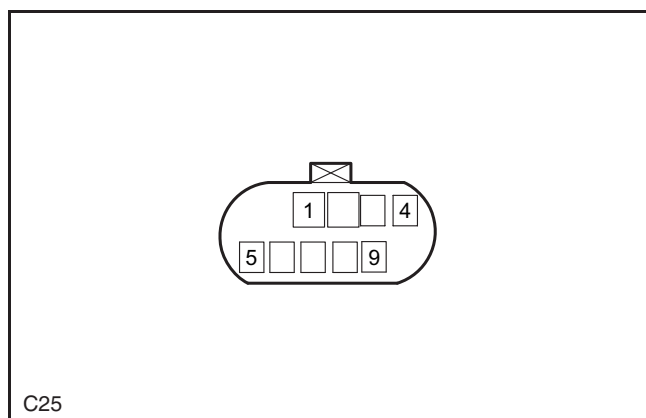
Rear Windshield Washer Pump Motor Connector



C24 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 RD/YE	Rear windshield washer pump motor switch signal
2	0.85 BK	Ground
3	-	-

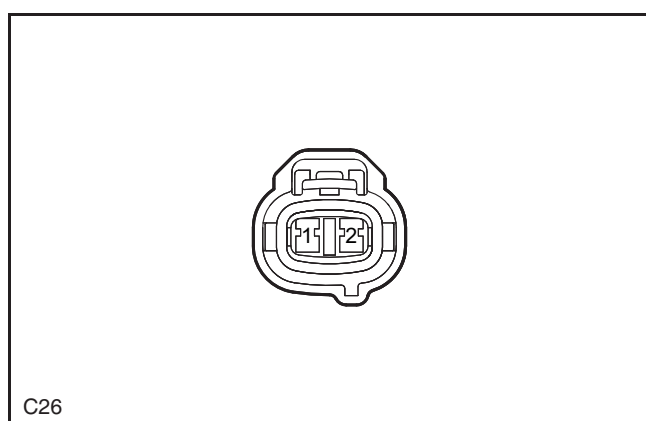
Transmission Range Switch Connector



C25 (AT) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 YE/GN	R position signal
2	0.5 BK	Ground
3	-	-
4	0.5 BK	Ground
5	0.5 BU	Starter relay control signal
6	0.5 WH	P position signal
7	0.5 YE/BU	D position signal
8	-	-
9	0.5 PK	N position signal

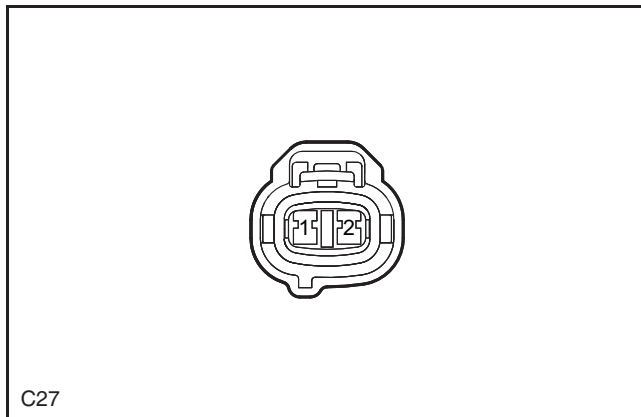
TSS Connector



C26 (AT) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GY/RD	TSS
2	0.5 GY/BU	TSS

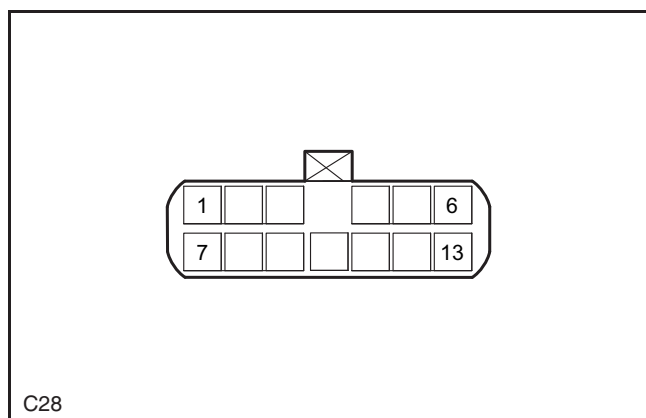
VSS Connector



C27 (AT) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/YE	VSS
2	0.5 GN/BU	VSS

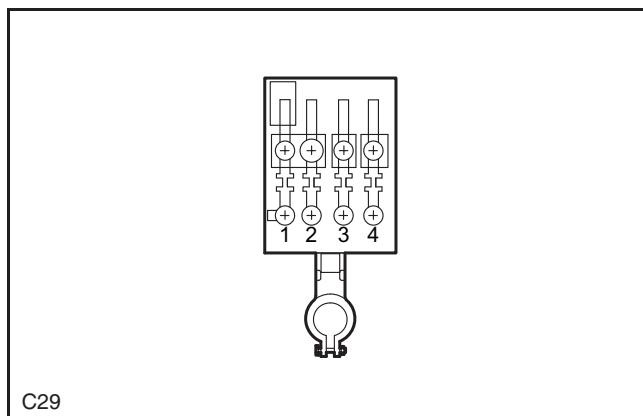
AT Solenoid Valve Connector



C28 (AT) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 OG/WH	Oil temperature sensor signal
2	-	-
3	0.5 BU/BK	L-UP pressure control solenoid valve control signal
4	0.5 WH/OG	B1 pressure control solenoid valve control signal
5	0.5 GN/BK	C2 pressure control solenoid valve control signal
6	0.5 BN/GN	C1 pressure control solenoid valve control signal
7	0.5 BK/BU	Oil temperature sensor ground
8	-	-
9	0.5 BU/YE	L-UP pressure control solenoid valve ground
10	0.5 VT	Shift solenoid valve 1 control signal
11	0.5 BN/RD	B1 pressure control solenoid valve ground
12	0.5 BU/GN	C2 pressure control solenoid valve ground
13	0.5 VT/WH	C1 pressure control solenoid valve ground

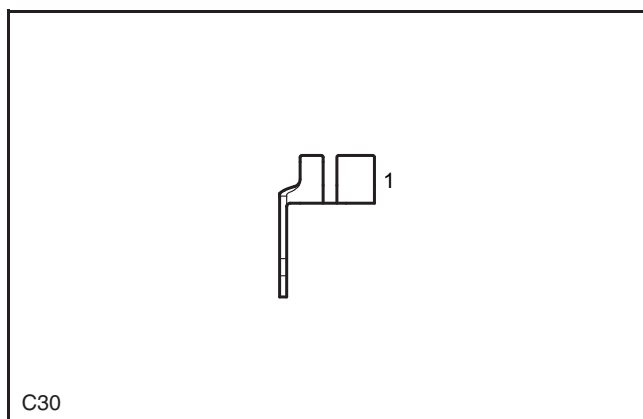
Battery Positive Lug



C29 Pin Definition

Pin Number	Wire Width/Color	Function
1	-	Fuse
2	-	-
3	16.0 RD	Battery charging power input and engine compartment fuse and relay box +B output
4	16.0 RD	Starter motor power output

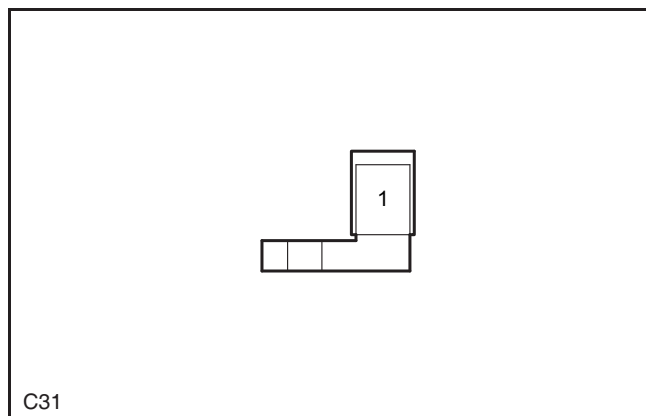
Connect to Engine Compartment Fuse and Relay Box



C30 Pin Definition

Pin Number	Wire Width/Color	Function
1	16.0 RD	Engine compartment fuse and relay box +B input

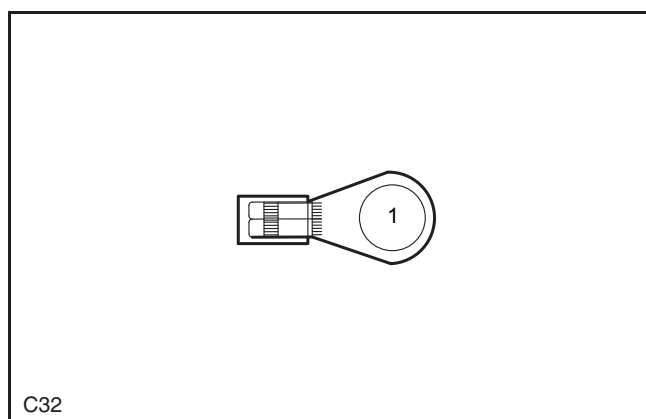
Starter Connector



C31 Pin Definition

Pin Number	Wire Width/Color	Function
1	16.0 RD	Starter power input

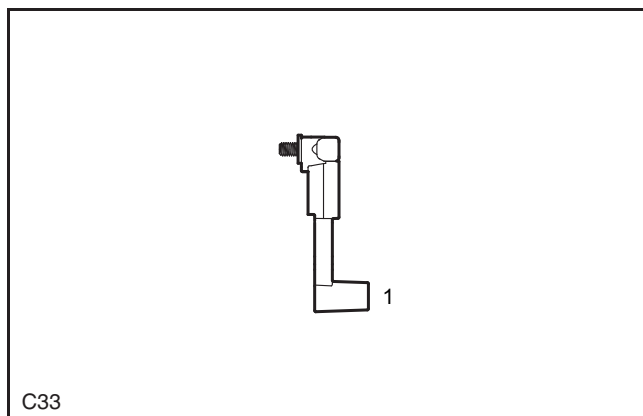
Alternator Connector



C32 Pin Definition

Pin Number	Wire Width/Color	Function
1	16.0 RD	Battery charging power output

Battery Negative Lug

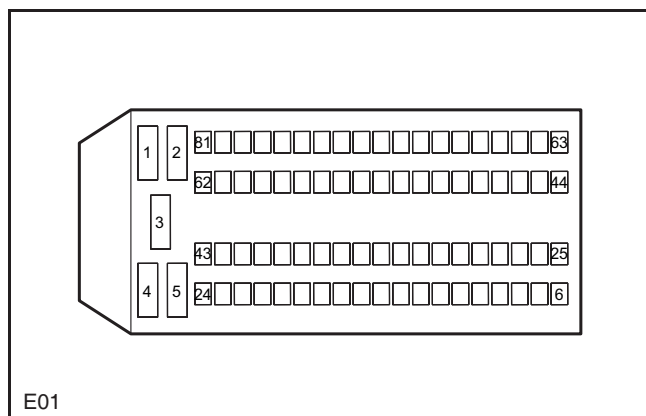


C33 Pin Definition

Pin Number	Wire Width/Color	Function
1	15.0 BK	Ground

Engine Harness Connector (E--)

ECM Connector



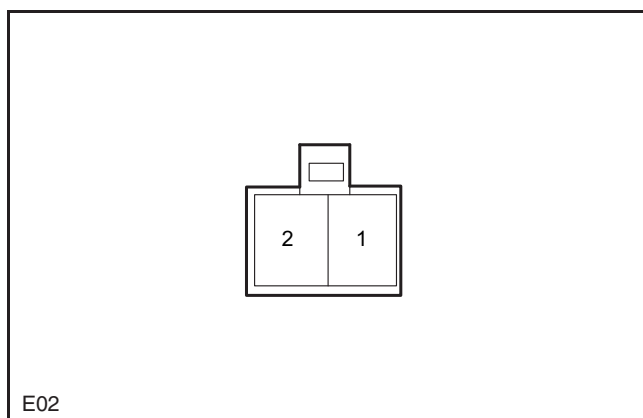
E01 Pin Definition

Pin Number	Wire Width/Color	Function
1	-	-
2	0.75 LG/WH	Ignition coil 2 control signal
3	2.0 BK	Ground
4	-	-
5	0.75 PK/BU	Ignition coil 1 control signal
6	0.5 WH/YE	Fuel injector 2
7	0.5 GY	Fuel injector 3
8	-	-
9	-	-
10	-	-
11	-	-
12	0.5 RD/WH	Continuous power supply
13	0.5 WH/RD	Ignition switch (IG1)
14	0.5 BK/WH	Main relay control signal
15	0.5 GY/BU	CKP sensor A
16	0.5 BN	APP sensor 1
17	0.5 BU/RD	Sensor ground 1
18	0.85 YE/GN	Pre-catalytic oxygen sensor signal
19	0.5 GY/RD	Knock sensor A
20	0.5 GY/GN	Knock sensor B
21	0.5 BN/YE	Brake lamp switch
22	-	-
23	-	-
24	-	-

Pin Number	Wire Width/Color	Function
25	0.5 BU/BK	Post-catalytic sensor heating control signal
26	0.85 WH/VT	Pre-catalytic sensor heating control signal
27	0.5 OG/BN	Fuel injector 1
28	0.5 BU/YE	OCV exhaust valve control signal
29	-	-
30	-	-
31	-	-
32	0.5 BN/BK	5V power supply 2
33	0.5 YE/OG	5V power supply 1
34	0.5 GY/VT	CKP sensor B
35	0.5 RD/YE	Sensor ground 3
36	0.5 YE/WH	Sensor ground 2
37	0.5 YE/BU	Air flow signal
38	0.5 OG/WH	ETC 2
39	0.5 RD/BK	Engine coolant temperature signal
40	0.5 BN/RD	APP sensor 2
41	-	-
42	0.5 GY/YE	Intake air temperature signal
43	-	-
43 (AT)	0.5 GY	Cruise set switch signal
44	0.85 BK/BU	Non-continuous power supply (Main relay control)
45	0.85 BK/BU	Non-continuous power supply (Main relay control)
46	0.5 GN	EVAP solenoid valve control signal
47	0.5 PK/WH	Fuel injector 4
48	0.5 BK/YE	OCV intake valve control signal
49	-	-
50	0.5 YE	Low speed fan relay control signal
51	0.5 BK	Ground
52	-	-
53	0.5 BK	Ground
54	0.5 GN/BK	ETC 1
55	0.85 BK/GN	Post-catalytic sensor signal
56	-	-
57	-	-
58	0.5 BN/BU	Brake lamp switch signal
59	-	-
60	0.5 BU/GN	Three-state pressure switch signal

Pin Number	Wire Width/Color	Function
61	0.5 BK	Ground
62	0.3 LG/BK	CAN high
63	0.85 BK/BU	Non-continuous power supply (Main relay control)
64	0.5 PK/YE	ETC control
65	0.5 PK/YE	ETC control
66	0.5 RD/OG	ETC control
67	0.5 RD/OG	ETC control
68	0.5 VT/BU	High speed fan relay control signal
69	0.5 YE/BN	Compressor relay control signal
70	0.5 PK/BN	Fuel pump relay control signal
71	0.5 VT/YE	Diagnosis K-line
72	0.5 OG/RD	Intake CMP sensor signal
73	0.5 BN/BK	Burglar alarm
74	0.5 BU/WH	Clutch top position switch signal input
74 (AT)	-	-
75	0.5 BU/BN	Compressor temperature protect switch signal
76	0.5 OG	A/C heating electronic load signal
77	0.5 OG/BK	Collision oil shutoff signal
78	0.5 OG/BK	ETC sensor ground
79	0.5 GN/WH	Exhaust CMP sensor signal
80	0.5 BK	Ground
81	0.3 LG	CAN low

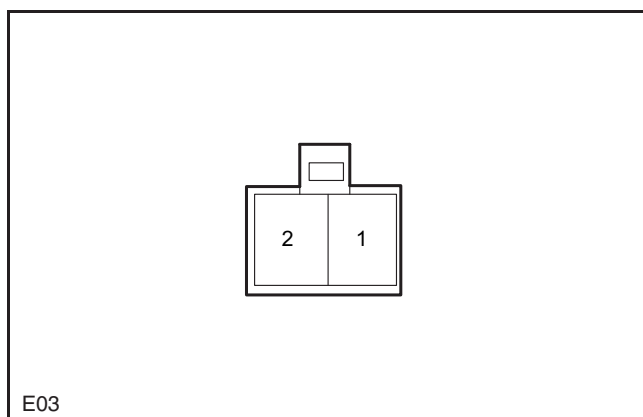
OCV Intake Valve Connector



E02 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BK/YE	OCV intake valve control signal
2	0.85 BK/BU	OCV intake valve power supply

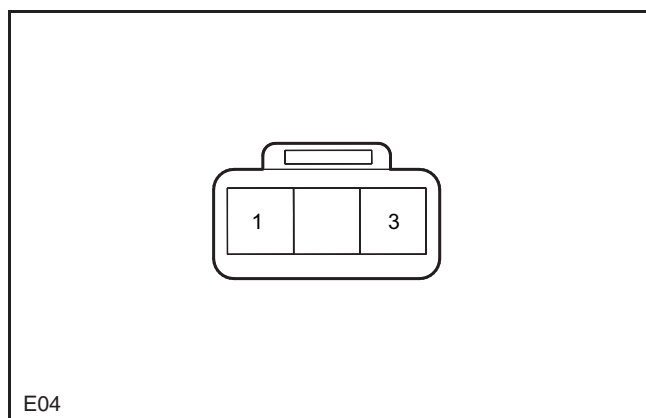
OCV Exhaust Valve Connector



E03 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BU/YE	OCV exhaust valve control signal
2	0.85 BK/BU	OCV exhaust valve power supply

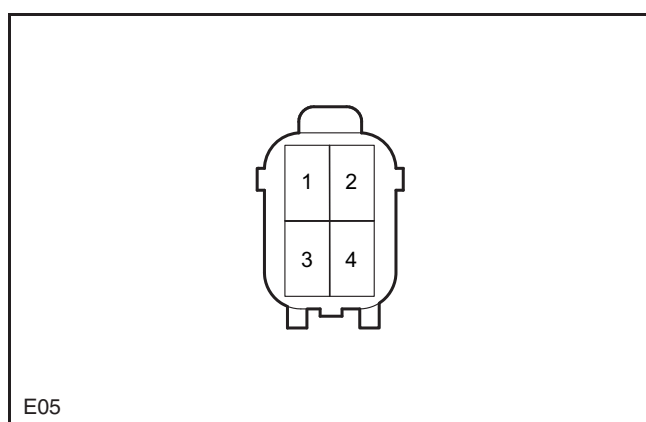
Compressor Connector



E04 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 WH/VT	Compressor clutch power supply
2	0.5 BU/BN	Compressor temperature protect switch signal output
3	0.5 RD/OG	A/C switch signal

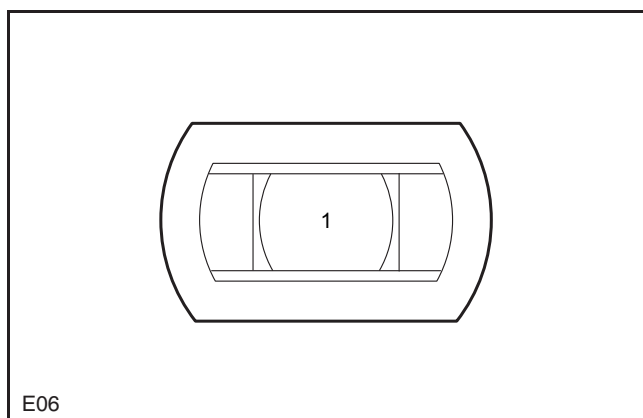
Pre-Catalytic Oxygen Sensor Connector



E05 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 YE/GN	Pre-catalytic oxygen sensor signal
2	0.85 WH/VT	Pre-catalytic oxygen sensor heating control signal
3	0.5 YE/WH	Pre-catalytic oxygen sensor ground
4	0.85 BK/BU	Pre-catalytic oxygen sensor heater power supply

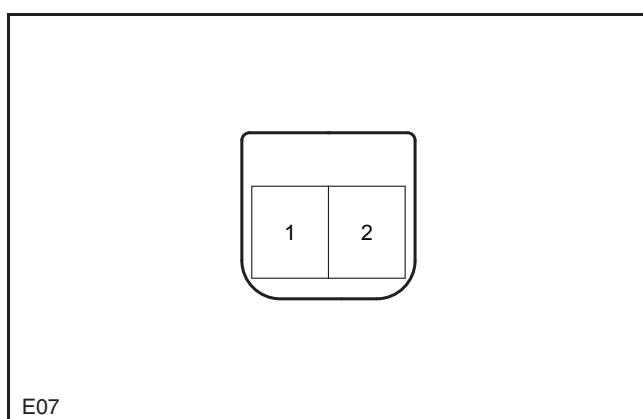
Engine Oil Pressure Switch Connector



E06 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 LU	Oil pressure warning indicator signal

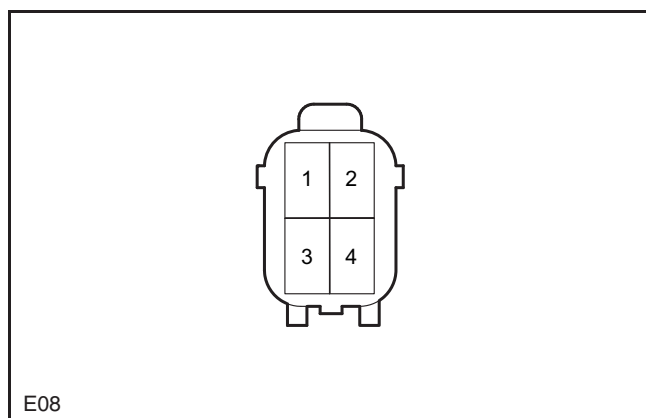
Crankshaft Position Sensor Connector



E07 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GY/BU	CKP A
2	0.5 GY/VT	CKP B

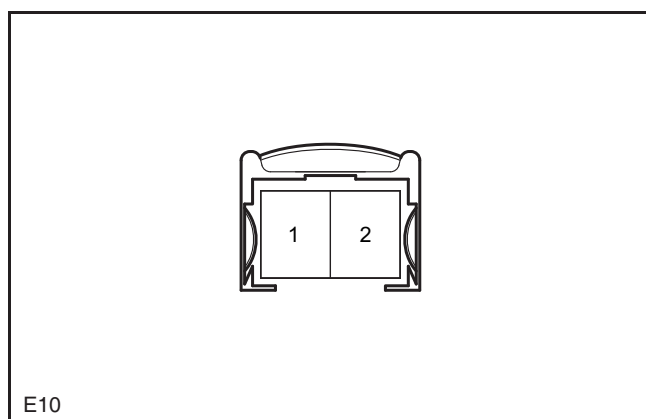
Post-Catalytic Oxygen Sensor Connector



E08 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 BK/GN	Post-catalytic oxygen sensor signal
2	0.5 BU/BK	Post-catalytic oxygen sensor heating control signal
3	0.5 YE/WH	Post-catalytic oxygen sensor ground
4	0.85 BK/YE	Post-catalytic oxygen sensor heater power supply

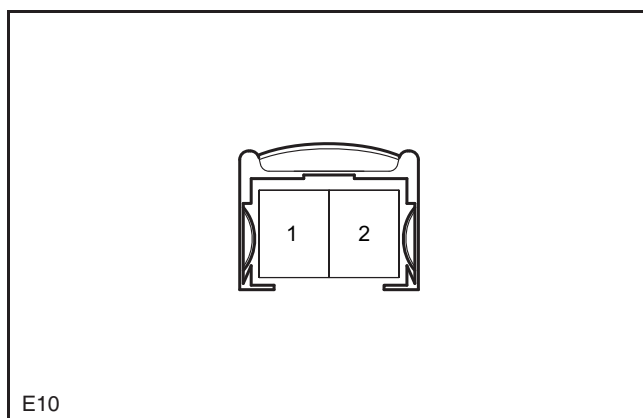
Reverse Lamp Switch Connector



E09 (MT) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BU/WH	Reverse lamp switch power supply
2	0.5 BN/OG	Reverse lamp switch signal

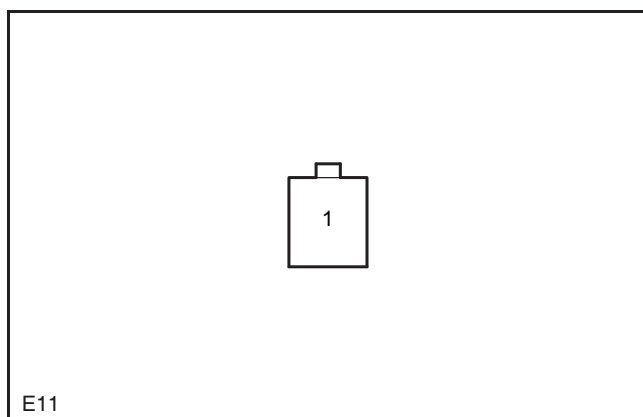
Knock Sensor Connector



E10 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GY/RD	Knock sensor A
2	0.5 GY/GN	Knock sensor B

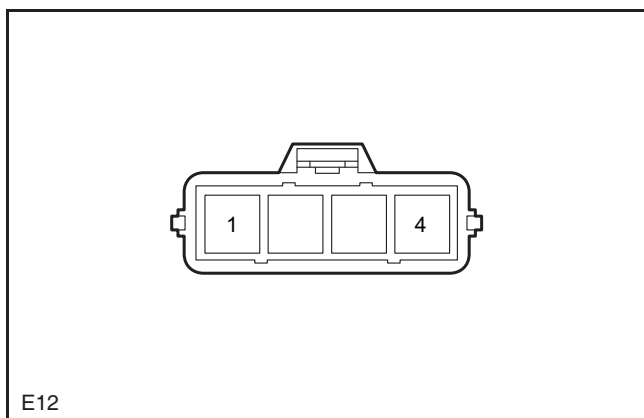
Starter Connector



E11 Pin Definition

Pin Number	Wire Width/Color	Function
1	2.5 VT	Starter solenoid valve power supply

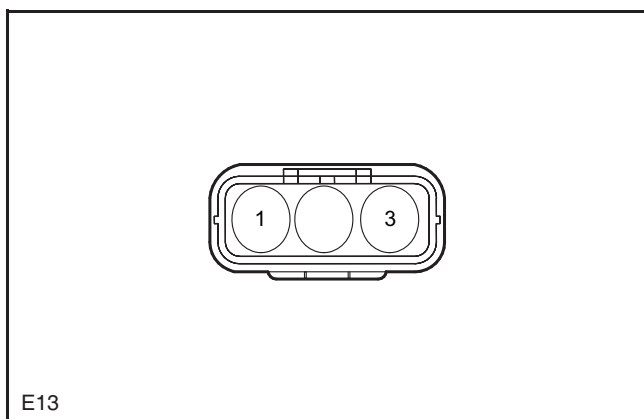
Intake Air Pressure and Temperature Sensor Connector



E12 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BU/RD	Intake air pressure and temperature sensor ground
2	0.5 GY/YE	Intake air temperature signal
3	0.5 YE/OG	Intake air pressure and temperature sensor power supply
4	0.5 YE/BU	Intake pressure signal

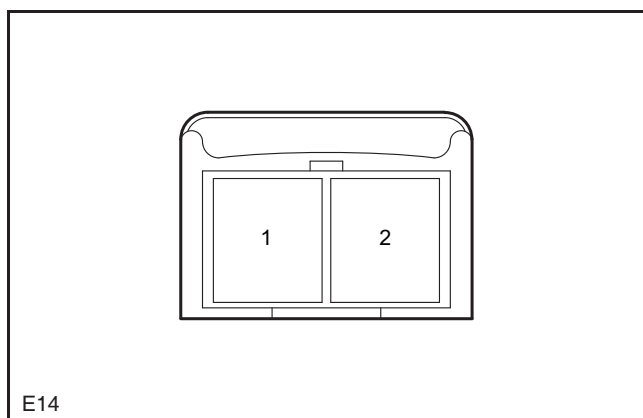
Alternator Connector



E13 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 YE/GN	Charging indicator signal
2	0.85 RD/BU	Ignition switch ON position signal
3	-	-

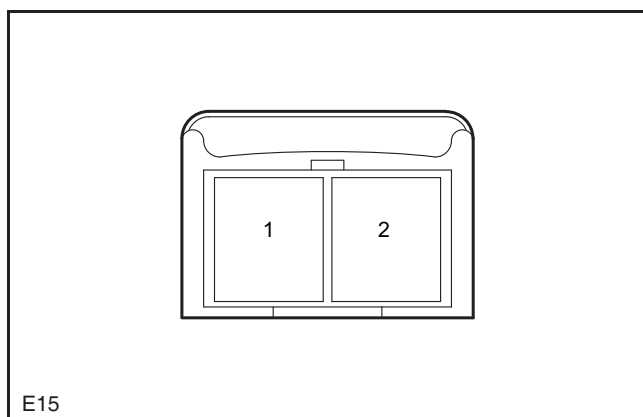
Cylinder 1 Injector Connector



E14 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 BK/BU	Power supply
2	0.5 OG/BN	Control signal

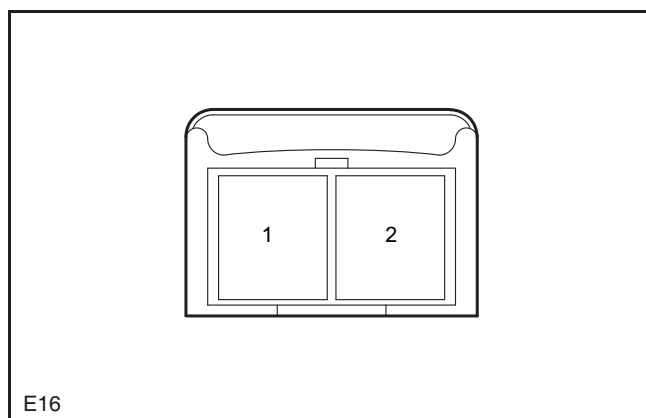
Cylinder 2 Injector Connector



E15 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 BK/BU	Power supply
2	0.5 WH/YE	Control signal

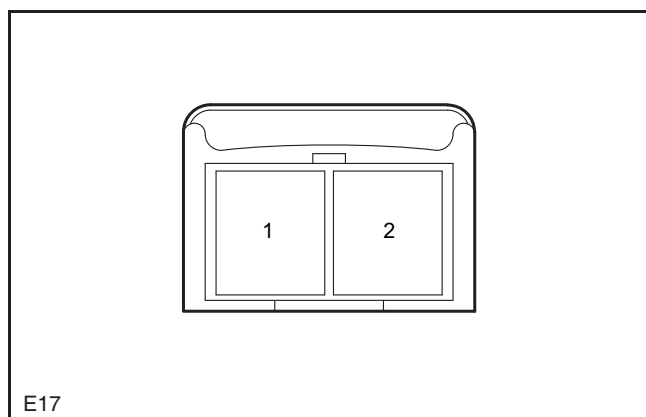
Cylinder 3 Injector Connector



E16 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 BK/BU	Power supply
2	0.5 GY	Control signal

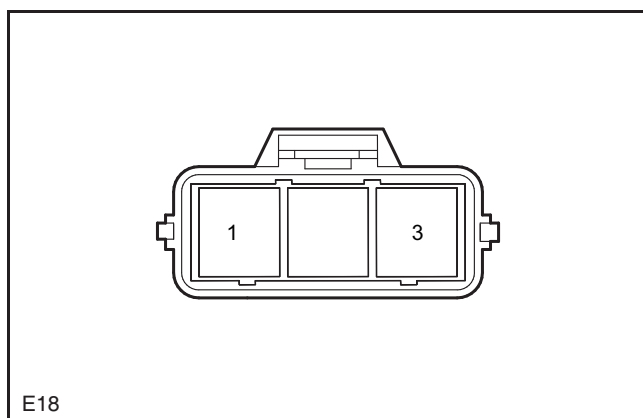
Cylinder 4 Injector Connector



E17 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 BK/BU	Power supply
2	0.5 PK/WH	Control signal

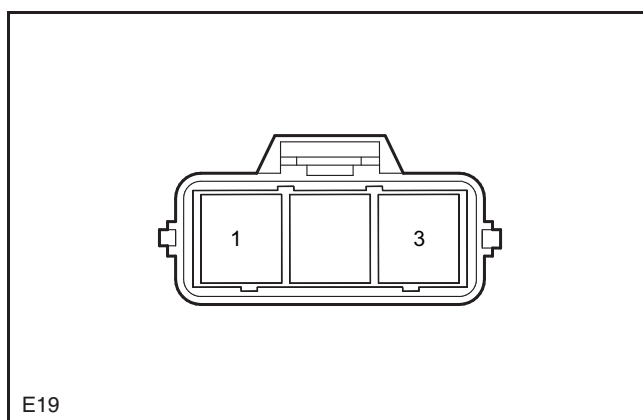
Camshaft Position Sensor (Exhaust) Connector



E18 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 YE/WH	Ground
2	0.5 OG/RD	Signal
3	0.5 BN/BK	Power supply

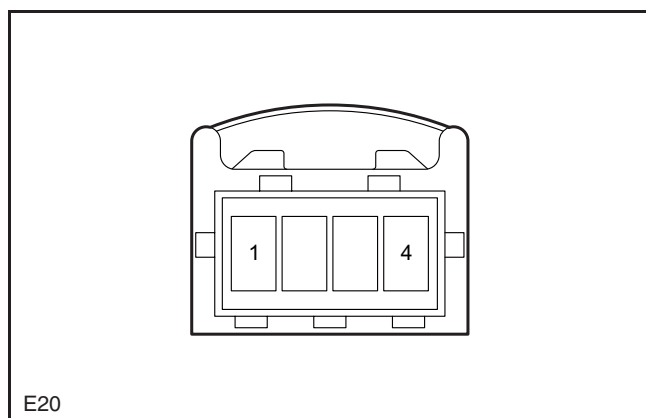
Camshaft Position Sensor (Intake) Connector



E19 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 YE/WH	Ground
2	0.5 GN/WH	Signal
3	0.5 BN/BK	Power supply

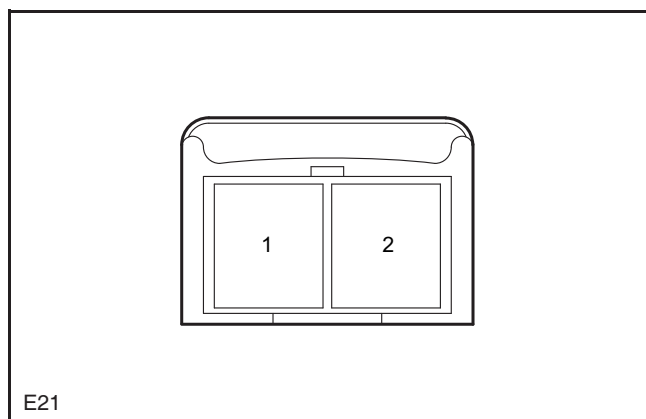
Ignition Coil Connector



E20 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.75 PK/BU	Ignition coil 1 control signal
2	0.75 LG/WH	Ignition coil 2 control signal
3	1.25 BK/YE	Ignition coil 2 power supply
4	1.25 BK/YE	Ignition coil 1 power supply

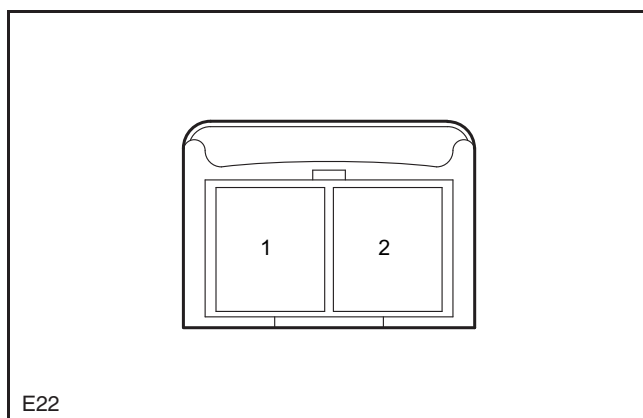
Evaporative Emission Canister Purge Solenoid Valve Connector



E21 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN	Control signal
2	0.5 BK/BU	Power supply

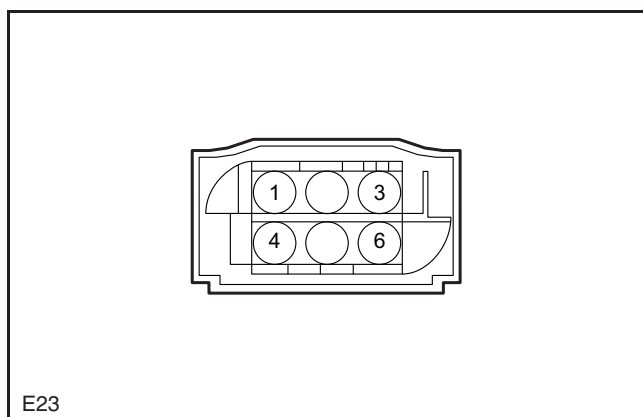
Engine Coolant Temperature Sensor Connector



E22 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BU/RD	Ground
2	0.5 RD/BK	Signal

ETC Connector

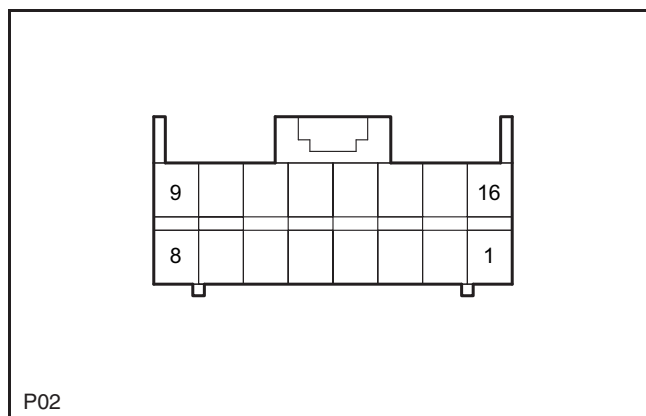


E23 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 RD/OG	ETC control
2	0.5 WH/PK	ETC sensor ground
3	0.5 BN/BK	ETC sensor power supply
4	0.85 PK/YE	ETC control
5	0.5 OG/WH	ETC position 2
6	0.5 GN/BK	ETC position 1

I/P Harness Connector (P--)

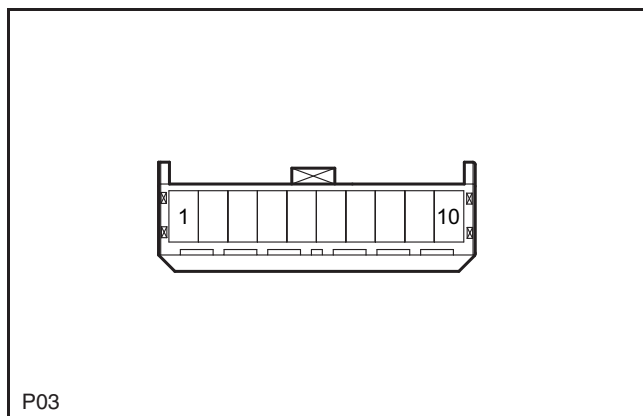
Lighting Combination Switch Connector



P02 Pin Definition

Pin Number	Wire Width/Color	Function
1	-	-
1 (AT, MT luxury)	0.5 OG	Front fog lamp control signal
2	0.5 BK	Ground
3	0.5 OG/BN	Rear fog lamp control signal
4	0.5 GN	Low beam control signal
5	0.5 PK	Small lamp control signal
6	0.5 BK	Ground
7	0.5 BK	Ground
8	-	-
9	0.5 GY/WH	Left turn signal lamp control signal
10	0.5 BK	Ground
11	0.5 GY/BK	Right turn signal lamp control signal
12	-	-
13	-	-
14	-	-
15	0.5 PK	High beam control signal
16	0.5 GN/VT	Overtaking lamp control signal

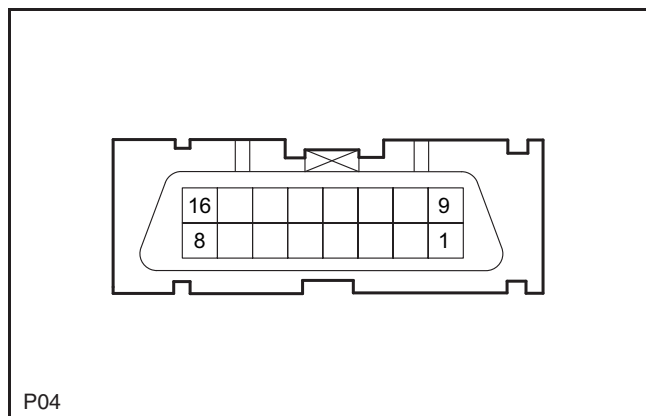
Power Rearview Mirror Switch Connector



P03 Pin Definition

Pin Number	Wire Width/Color	Function
1	-	-
2	0.5 BK/VT	Right rearview mirror left-right adjusting signal
3	0.5 BK/OG	Right rearview mirror up-down adjusting signal
4	0.5 BK/BN	Left rearview mirror up-down adjusting signal
5	0.5 BK/BU	Left rearview mirror left-right adjusting signal
6	0.5 YE/GN	Power rearview mirror adjusting signal
7	0.5 BK	Ground
8	0.5 BU	Ignition switch power supply (ACC)
9	-	-
9 (AT, MT luxury)	0.5 VT	Power rearview mirror unfolding/folding signal
10	-	-
10 (AT, MT luxury)	0.5 OG/BK	Power rearview mirror unfolding/folding signal

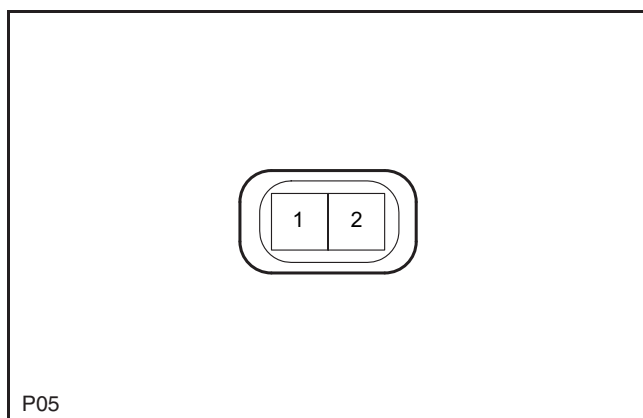
DLC Connector



P04 Pin Definition

Pin Number	Wire Width/Color	Function
1	-	-
2	-	-
3	-	-
4	0.5 BK	Ground
5	0.5 BK	Ground
6	0.5 LG/BK	CAN high
7	0.5 VT/YE	ECM, BCM K-Line
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	0.5 LG	CAN low
15	0.5 OG/GN	SDM fault signal
16	0.5 RD/WH	Continuous power supply

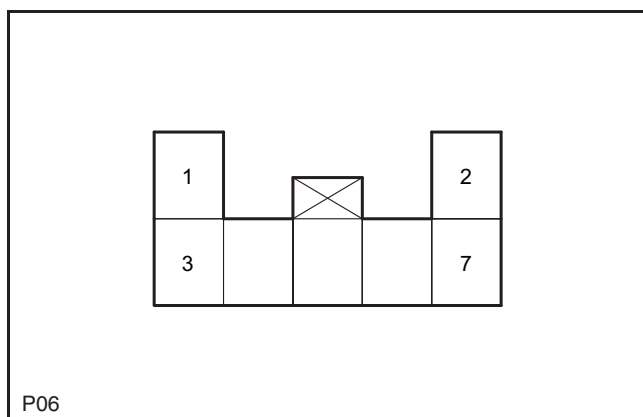
Left Tweeter Connector



P05 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GY/BU	Left tweeter +
2	0.5 GY/RD	Left tweeter -

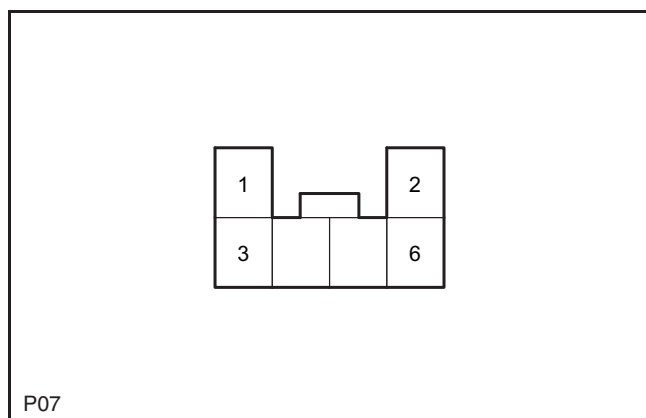
Key In Ignition Switch Connector



P06 Pin Definition

Pin Number	Wire Width/Color	Function
1	-	-
2	-	-
3	-	-
3 (AT)	0.5 BU	Ignition switch power supply (ACC)
4	0.5 RD/WH	Continuous power supply
5	-	-
6	0.5 VT/BU	Key in ignition switch signal
7	-	-
7 (AT)	0.5 YE	Key in ignition switch signal

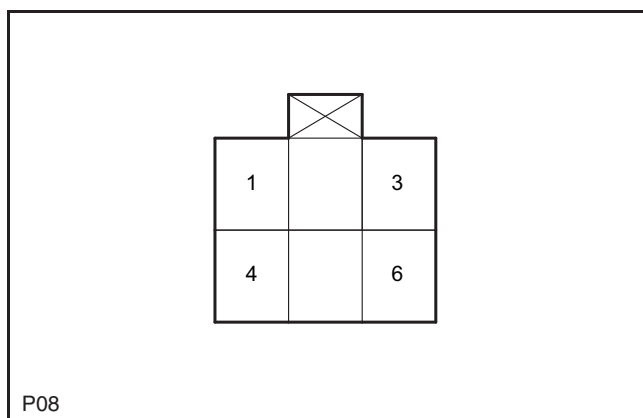
Headlamp Leveling Device Switch Connector



P07 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 WH/VT	Ignition switch power supply (IG2)
2	0.5 BK	Ground
3	0.5 GN/RD	Backlighting illumination signal
4	0.5 GN	Left headlamp leveling device signal
5	0.5 GN/OG	Right headlamp leveling device signal
6	0.5 BK	Ground

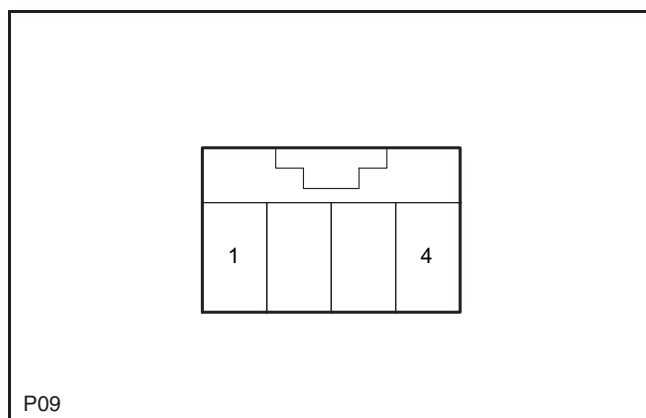
Ignition Switch Connector



P08 Pin Definition

Pin Number	Wire Width/Color	Function
1	3.0 RD/BK	I/P fuse and relay box power supply (IG2) output
2	3.0 BK/OG	Ignition switch power supply 2
3	3.0 WH/BU	Starter control signal
4	3.0 RD	I/P fuse and relay box power supply (IG1) output
5	3.0 RD/YE	Ignition switch power supply 1
6	3.0 OG	I/P fuse and relay box power supply (ACC) output

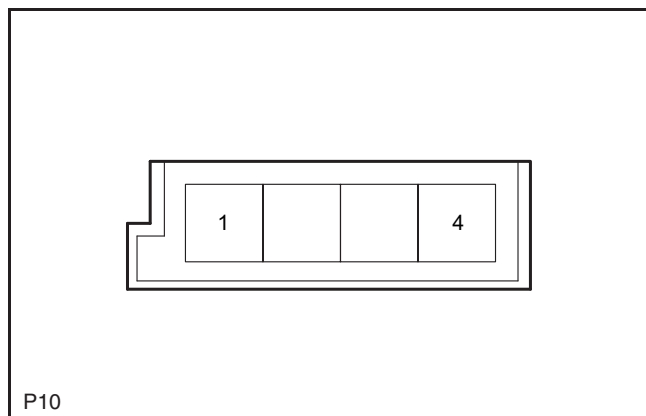
Audio Connector



P09 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 VT/YE	Steering wheel wire control input
2	0.5 VT/BU	Steering wheel wire control ground
3	0.5 LU	Horn switch signal
4	-	-

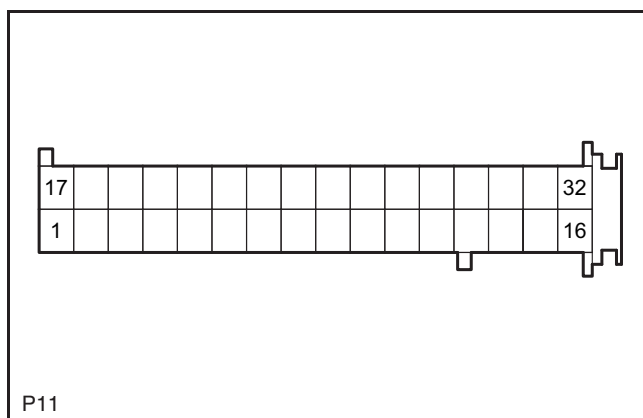
Burglar Alarm Coil/Ignition Illumination Connector



P10 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 RD/WH	Continuous power supply
2	0.5 BK	Ground
3	0.5 WH	Burglar alarm LIN0
4	0.5 BK/WH	Key hole illumination

IPC Connector

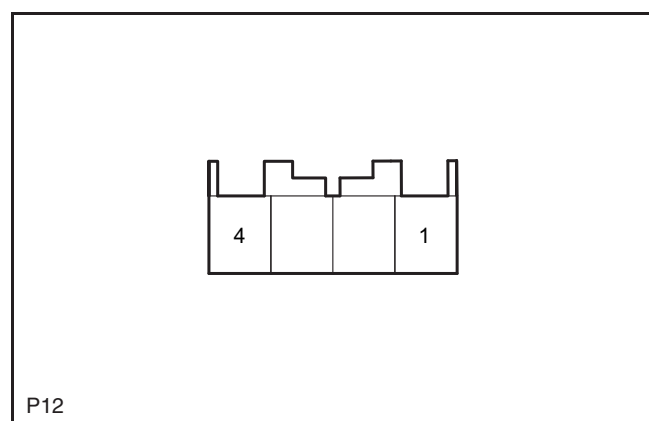


P11 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 YE/GN	Charging indicator signal
2	-	-
2 (AT, MT luxury)	0.3 BU/BN	Front fog lamp indicator signal
3	0.3 OG/WH	Rear fog lamp indicator signal
4	-	-
5	0.3 BN	SDM fault warning indicator signal
6	0.3 LU/YE	Driver safety belt switch signal
7	0.3 WH/RD	Burglar alarm indicator signal
8	0.3 LG	Parking brake switch signal/brake fluid level signal
9	0.5 LU	Oil pressure warning indicator signal
10	0.3 GN/RD	Backlighting illumination signal
11	-	-
12	-	-
13	0.5 BK	Ground
14	0.5 GY/YE	Continuous power supply
15	0.5 WH/RD	Ignition switch power supply (IG1)
16	0.5 BK	Ground
17	-	-
18	-	-
19	0.3 BU	Outside door temperature sensor signal
20	0.3 YE/RD	Fuel level sensor signal
21	0.3 GN/OG	Fuel level sensor ground signal
22	0.5 BK	Ground
23	-	-
24	-	-

Pin Number	Wire Width/Color	Function
25	-	-
25 (AT, MT luxury)	0.3 BN/YE	Parking aid sensor - data bus
26	-	-
26 (AT, MT luxury)	0.3 BN	Parking aid sensor - clock
27	-	-
28	0.3 BU/WH	High beam indicator signal
29	0.3 GN/RD	VSS output
30	0.3 PK	Outside door temperature sensor ground signal
31	0.3 LG/BK	CAN high
32	0.3 LG	CAN low

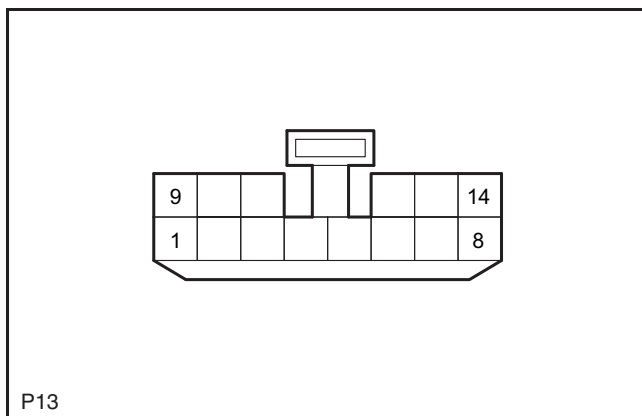
Driver Airbag Connector



P12 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 LG	Control power supply
2	0.5 LG/BK	Ground signal
3	-	-
4	-	-

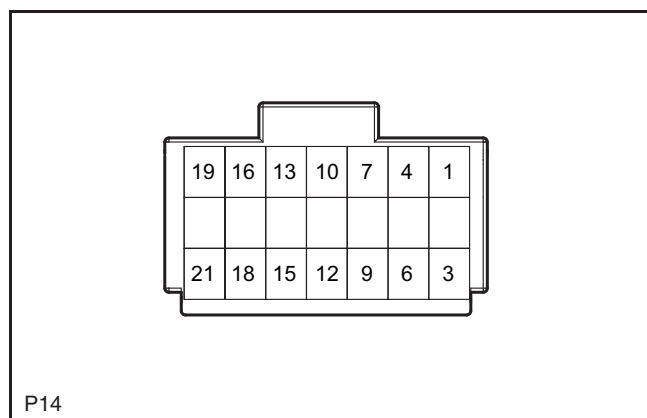
Wiper/Washer Switch Connector



P13 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 OG	Front wiper low speed switch signal
2	0.5 GN/OG	Front wiper high speed switch signal
3	0.5 BK	Ground
4	-	-
5	-	-
6	0.5 BU	Front wiper INT switch signal
7	0.85 RD/WH	Ignition switch power supply (IG2)
8	0.85 BK/YE	Front wiper motor switch signal
9	0.85 RD/WH	Ignition switch power supply (IG2)
10	0.5 YE	Front wiper INT time adjusting signal
11	0.85 BU/BN	Rear wiper motor switch signal
12	0.85 RD/YE	Rear wiper motor switch signal
13	-	-
14	-	-

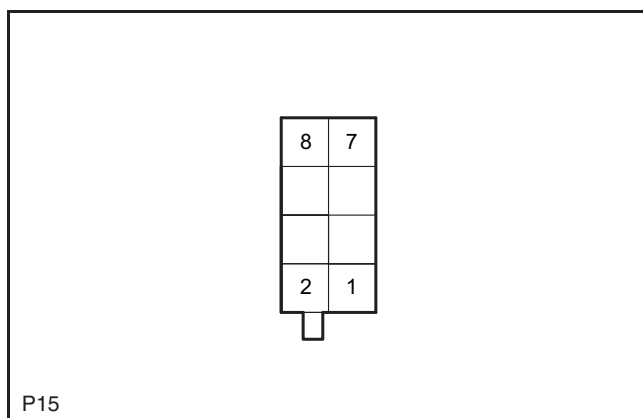
BCM Connector A



P14 Pin Definition

Pin Number	Wire Width/Color	Function
1	1.25 BK	Ground
2	0.5 RD/WH	BCM power supply
3	1.25 BK	Ground
4	0.85 GN	Hazard warning power supply
5	-	-
6	-	-
7	0.5 GN/BK	Left turn signal lamp power supply
8	0.5 GN/WH	Left turn signal lamp power supply
9	-	-
10	-	-
11	-	-
12	1.25 BK	Ground
13	1.25 BK	Ground
14	1.25 VT/YE	Door lock signal
15	1.25 VT/RD	Door unlock signal
16	2.0 RD	Door lock motor power supply
17	1.25 RD/GN	Tailgate door lock motor signal
18	-	-
19	1.25 WH	Wiper power supply
20	0.85 BU/RD	Wiper high speed signal
21	0.85 BU	Wiper low speed signal

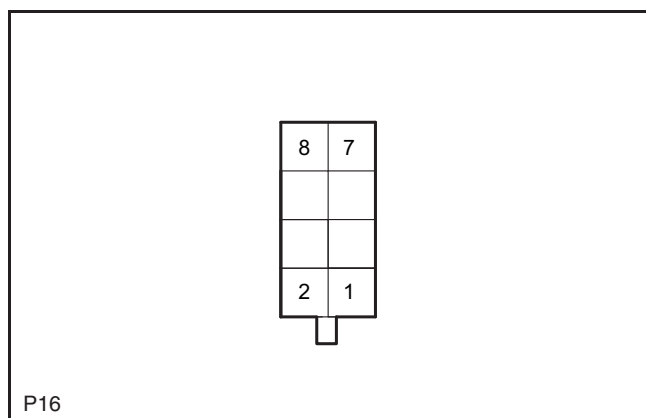
CD Connector A



P15 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 VT/BU	Steering wheel wire control ground
2	0.5 VT/YE	Steering wheel wire control input
3	-	-
4	0.5 VT/WH	Ignition switch power supply (ACC)
5	0.5 PK	Antenna power supply
6	0.5 GN/RD	Backlighting illumination power supply
7	1.25 VT/RD	Continuous power supply
8	1.25 BK	Ground

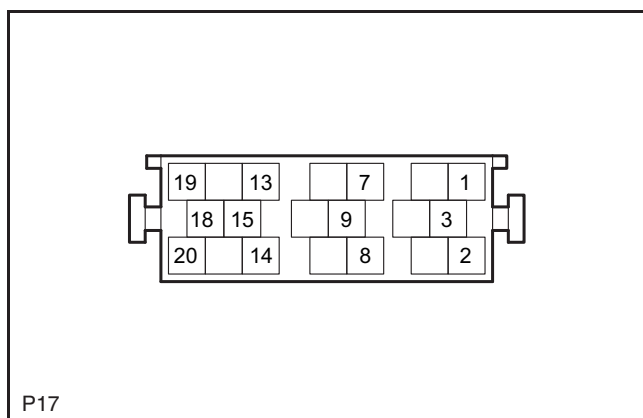
CD Connector B



P16 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/BN	RR speaker +
2	0.5 GN/BU	RR speaker -
3	0.5 VT/GN	Passenger side door speaker +, right tweeter +
4	0.5 VT/OG	Passenger side door speaker -, right tweeter -
5	0.5 GY/BU	Driver side door speaker +, left tweeter +
6	0.5 GY/RD	Driver side door speaker -, left tweeter -
7	0.5 GN/PK	LR speaker +
8	0.5 GN/VT	LR speaker -

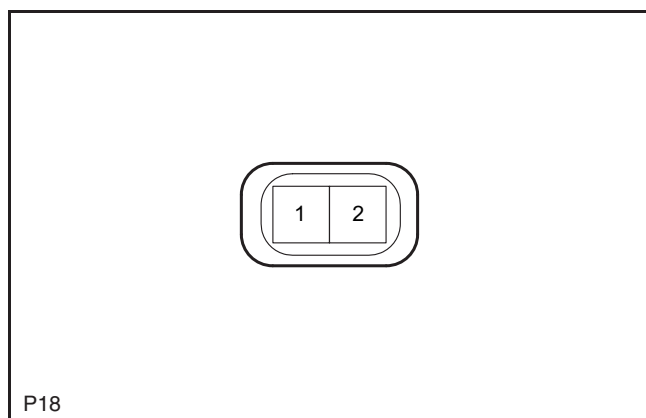
CD Connector C



P17 Pin Definition

Pin Number	Wire Width/Color	Function
1	-	-
2	-	-
3	0.3 GN/RD	Vehicle speed signal
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-

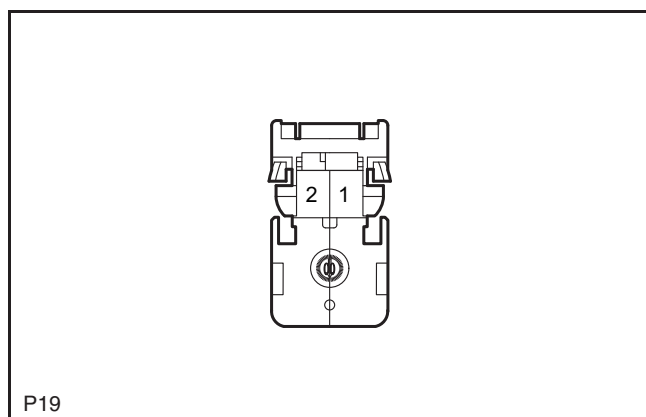
Right Tweeter Connector



P18 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 VT/GN	Right tweeter +
2	0.5 VT/OG	Right tweeter -

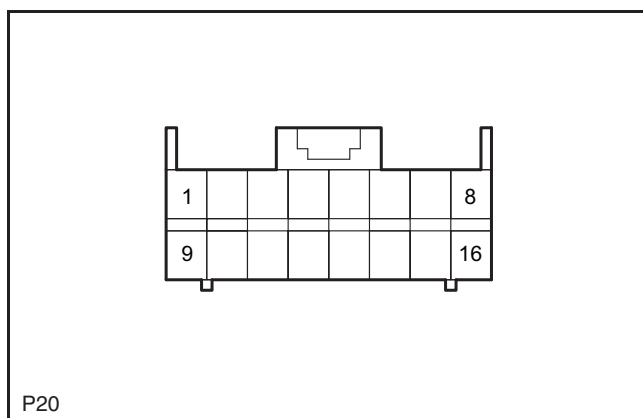
Passenger Airbag Connector



P19 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/VT	Passenger airbag control power supply
2	0.5 GN/PK	Passenger airbag ground signal

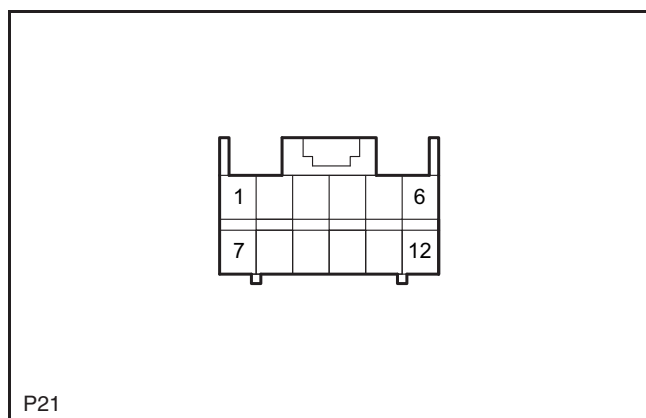
A/C Control Panel Connector A



P20 Pin Definition

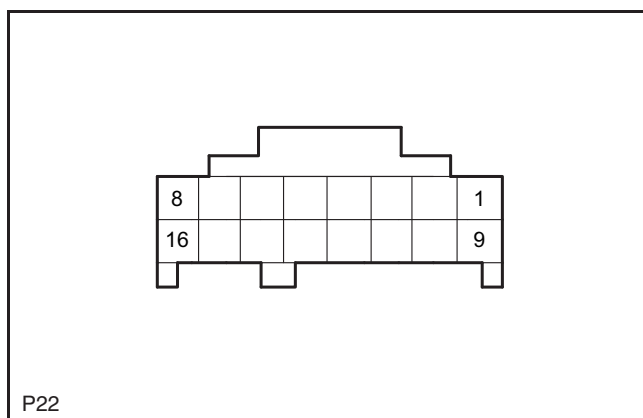
Pin Number	Wire Width/Color	Function
1	0.5 WH/RD	Ignition switch power supply (IG1)
2	0.5 BU	Blower motor feedback voltage
3	0.5 GY/WH	Blower motor drive
4	0.5 RD	Potentiometer positive power supply
5	0.5 YE/BK	A/C switch signal
6	0.5 OG	A/C heating electronic load signal
7	-	-
8	0.5 GN	Temperature feedback signal
9	0.5 GN/RD	A/C control panel backlighting power supply
10	0.5 RD	Rear defroster opening indicator signal
11	-	-
12	-	-
13	0.5 BK	Ground
14	0.5 RD/BK	Mode actuator position feedback signal
15	0.5 PK	Inside and outside circulation feedback signal
16	0.5 BK	Ground

A/C Control Panel Connector B

**P21 Pin Definition**

Pin Number	Wire Width/Color	Function
1	0.5 YE	Evaporator temperature signal
2	0.5 RD/GN	Rear defroster drive signal
3	0.5 BU/RD	Inside circulation drive
4	0.5 RD/YE	Coolest drive
5	0.5 GN/RD	Hottest drive
6	0.5 GN/YE	Defroster drive
7	0.5 WH/BK	Inner ground
8	-	-
9	-	-
10	0.5 GY	Hazard warning lamp control signal
11	0.5 BU/YE	Face drive
12	0.5 WH/BU	Outer circulation drive

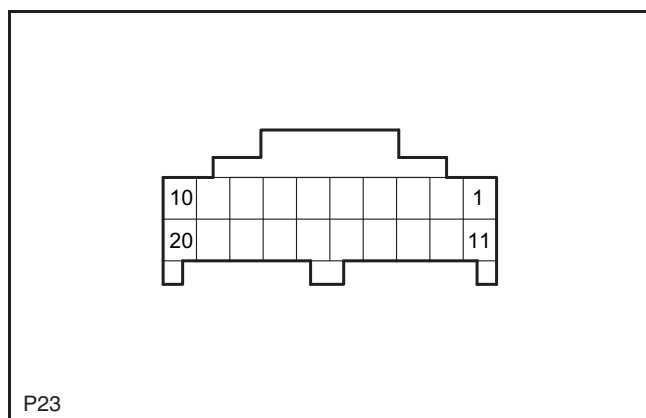
BCM Connector B



P22 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 RD/BN	Door control switch signal
2	0.3 WH/RD	Burglar alarm indicator signal
3	0.85 BU/WH	Front wiper stop position signal
4	0.5 OG/BK	Collision oil shutoff signal
5	0.5 WH/GN	LF door contact switch signal
6	0.5 WH/BU	RF door contact switch signal
7	0.3 GY	LR door contact switch signal
8	0.5 PK/WH	Lock/unlock state switch signal
9	-	-
10	-	-
11	-	-
12	-	-
13	0.5 RD	A/C control panel (defroster opening signal)
14	0.3 WH	RR door contact switch signal
15	0.5 RD/WH	Tailgate door lock motor switch signal
16	-	-

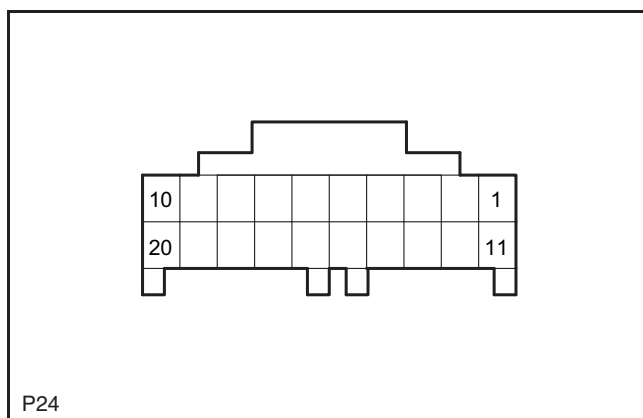
BCM Connector C



P23 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 WH/RD	Ignition switch power supply (IG1)
2	0.5 VT/BU	Key in ignition switch signal
3	0.5 BU	Front wiper INT switch signal
4	0.5 OG	Front wiper low speed switch signal
5	0.5 GN/OG	Front wiper high speed switch signal
6	0.85 BK/YE	Front wiper clean switch signal
7	-	-
8	-	-
9	-	-
10	-	-
11	0.5 GY	Hazard warning lamp control signal
12	0.5 BU/BK	Trunk release switch signal
13	0.5 GY/WH	Left turn signal lamp control signal
14	0.5 GY/BK	Right turn signal lamp control signal
15	0.5 GN	Low beam control signal
16	0.5 PK	High beam control signal
17	-	-
18	-	-
19	-	-
20	-	-

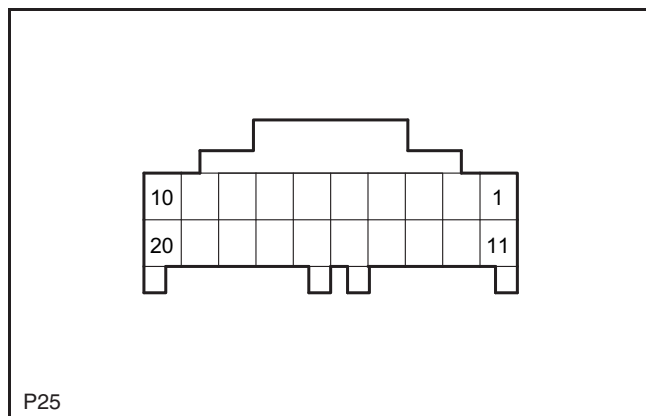
BCM Connector D



P24 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 LG	CAN low
2	0.5 VT/YE	K-Line
3	0.5 WH	Burglar alarm LIN0
4	0.5 BK/WH	Key hole illumination
5	-	-
6	0.5 LU	Horn relay control signal
7	0.5 BU	Power window control signal
8	-	-
9	-	-
10	-	-
11	0.5 LG/BK	CAN high
12	-	-
13	-	-
14	-	-
15	0.5 GN/YE	Low beam relay control signal
16	0.5 GN/VT	High beam relay control signal
17	-	-
18	-	-
19	-	-
20	-	-

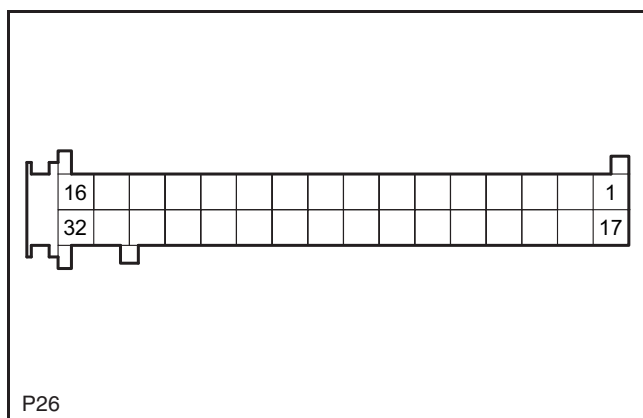
BCM Connector E



P25 Pin Definition

Pin Number	Wire Width/Color	Function
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	0.5 YE	Front wiper INT time adjusting signal
7	0.3 GY/OG	Central lock lock/unlock switch signal
8	-	-
9	-	-
10	0.5 BN	
11	-	-
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	0.5 BK	Ground
20	-	-

SDM Connector

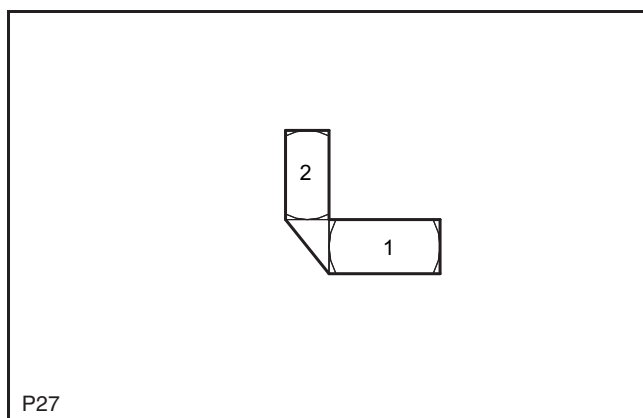


P26 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 OG	Ignition switch power supply (IG1)
2	-	-
3	0.5 LG	Driver airbag control power supply
4	0.5 LG/BK	Driver airbag ground signal
5	0.5 GN/PK	Passenger airbag ground signal
6	0.5 GN/VT	Passenger airbag control power supply
7	0.5 GY/WH	Driver seat belt pretensioner power supply signal
8	0.5 GY/GN	Driver seat belt pretensioner ground signal
9	0.5 VT	Passenger seat belt pretensioner ground signal
10	0.5 BU	Passenger seat belt pretensioner power supply signal
11	-	-
11 (AT, MT luxury)	0.5 YE/BK	Driver side airbag power supply signal
12	-	-
12 (AT, MT luxury)	0.5 YE/RD	Driver side airbag ground signal
13	-	-
13 (AT, MT luxury)	0.5 GN/BN	Passenger side airbag ground signal
14	-	-
14 (AT, MT luxury)	0.5 GN/BU	Passenger side airbag power supply signal
15	-	-
16	0.5 BK	Ground
17	0.3 BN	Fault warning indicator signal
18	-	-

Pin Number	Wire Width/Color	Function
18 (AT, MT luxury)	0.5 RD	Driver side impact sensor power supply signal
19	-	-
19 (AT, MT luxury)	0.5 BK	Driver side impact sensor ground signal
20	-	-
21	-	-
22	0.5 OG/GN	DLC
23	-	-
24	-	-
25	-	-
26	0.5 OG/BK	Collision oil shutoff signal
27	-	-
27 (AT, MT luxury)	0.5 BK	Passenger side impact sensor power supply signal
28	-	-
28 (AT, MT luxury)	0.5 YE	Passenger side impact sensor ground signal
29	-	-
30	-	-
31	-	-
32	-	-

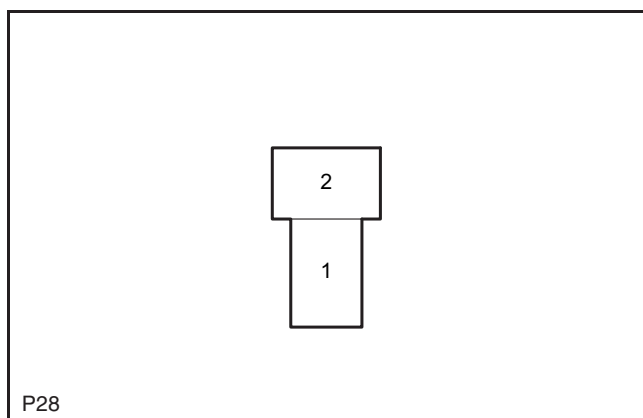
Cigarette Lighter Connector



P27 Pin Definition

Pin Number	Wire Width/Color	Function
1	1.25 BK	Ground
2	1.25 BN/WH	Cigarette lighter power supply

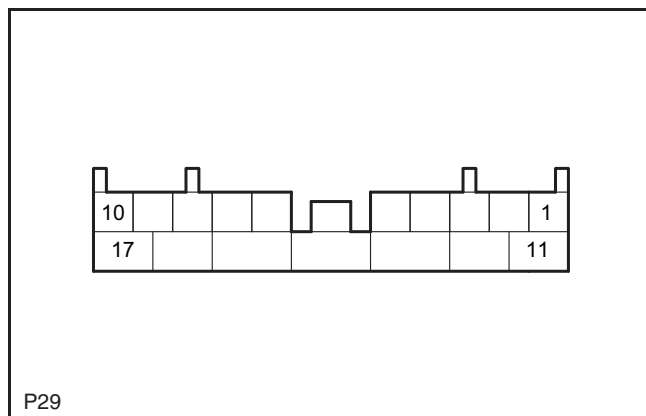
Back-up Power Connector



P28 Pin Definition

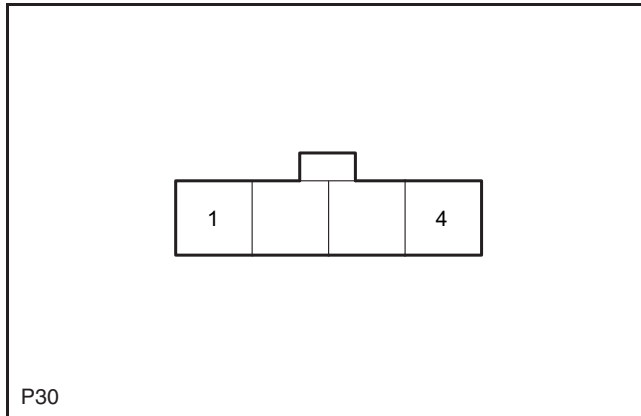
Pin Number	Wire Width/Color	Function
1	1.25 BN/GY	Back-up power power supply
2	1.25 BK	Ground

HVAC Connector

**P29 Pin Definition**

Pin Number	Wire Width/Color	Function
1	0.5 RD/YE	Cooler drive
2	0.5 GN	Temperature feedback signal
3	0.5 GN/RD	Hottest drive
4	0.5 GN/YE	Defroster drive
5	0.5 RD/BK	Mode actuator position feedback signal
6	0.5 BU/YE	Face drive
7	0.5 WH/BU	Outside circulation
8	0.5 PK	Inside and outside circulation feedback signal
9	0.5 BU/RD	Inside circulation
10	0.5 GY/WH	Blower motor drive
11	0.5 YE	Evaporator temperature signal
12	0.5 WH/BK	Inner ground
13	3.0 RD	Blower motor power supply
14	3.0 BK	Ground
15	-	-
16	0.5 BU	Blower motor feedback voltage
17	0.5 RD	Potentiometer positive power supply

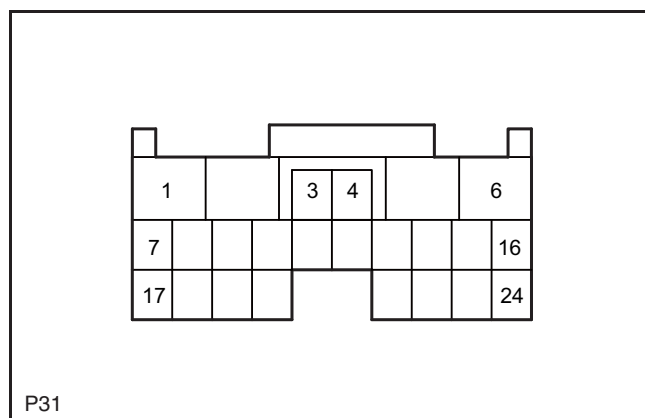
Cruise Set Switch Connector



P30 (AT) Pin Definition

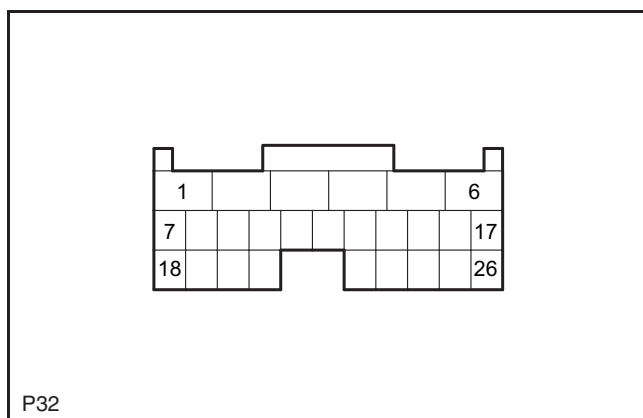
Pin Number	Wire Width/Color	Function
1	0.5 BU/RD	Cruise set switch ground
2	0.5 GY	Cruise set switch signal
3	-	-
4	-	-

TCM Connector A

**P31 (AT) Pin Definition**

Pin Number	Wire Width/Color	Function
1	0.5 BK	Ground
2	0.5 BN/RD	B1 pressure control solenoid valve ground
3	0.5 BU/YE	L-UP control solenoid valve ground
4	0.5 WH/OG	B1 pressure control solenoid valve control signal
5	0.5 BU/BK	L-UP control solenoid valve control signal
6	0.5 RD/WH	Continuous power supply
7	0.5 LG	CAN low
8	-	-
9	0.5 VT/WH	C1 pressure control solenoid valve ground
10	-	-
11	0.5 OG/WH	Oil temperature sensor signal
12	0.5 BK/BU	Oil temperature sensor ground
13	-	-
14	-	-
15	-	-
16	0.5 VT	Shift solenoid valve 1 control signal
17	0.5 LG/BK	CAN high
18	-	-
19	0.5 BU/GN	C2 pressure control solenoid valve ground
20	-	-
21	0.5 GN/BK	C2 pressure control solenoid valve control signal
22	0.5 BN/GN	C1 pressure control solenoid valve control signal
23	0.5 BK	Ground
24	0.5 RD/WH	Ignition switch power supply (IG1)

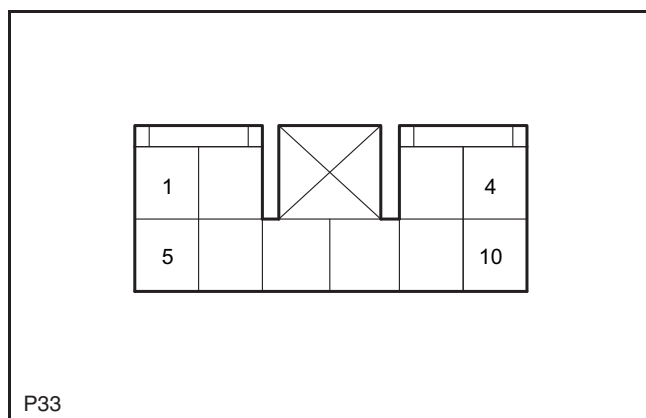
TCM Connector B



P32 (AT) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 YE/GN	R position signal
2	-	-
3	-	-
4	-	-
5	0.5 GN/YE	VSS
6	0.5 GY/RD	TSS
7	0.5 YE/BU	D position signal
8	0.5 PK	N position signal
9	0.5 GN/RD	MT gearshift mode switch signal
10	-	-
11	-	-
12	-	-
13	-	-
14	0.5 GN/BU	VSS
15	-	-
16	0.5 GY/BU	TSS
17	-	-
18	0.5 WH/RD	MT gearshift downshift signal
19	0.5 YE	MT gearshift upshift signal
20	0.5 WH	P position signal

Gearshift Lever Switch Connector

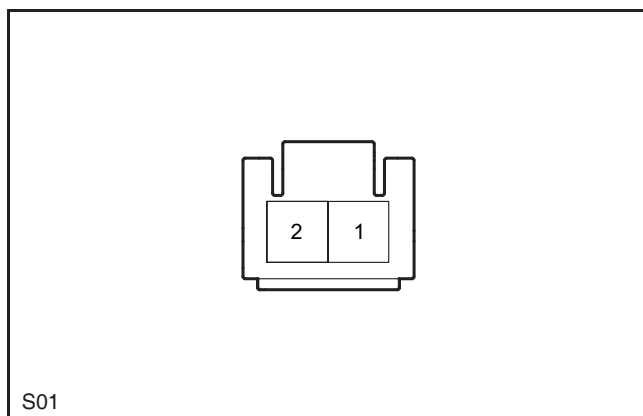


P33 (AT) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 WH/RD	Ignition switch power supply (IG1)
2	0.5 BK	Ground
3	0.5 WH/RD	Ignition switch power supply (IG1)
4	0.5 BK	Ground
5	-	-
6	0.5 BN	Brake lamp signal
7	0.5 YE	Key in ignition signal
8	0.5 WH/RD	MT gearshift downshift signal
9	0.5 YE	MT gearshift upshift signal
10	0.5 GN/RD	MT gearshift mode switch signal

Floor Harness Connector (S--)

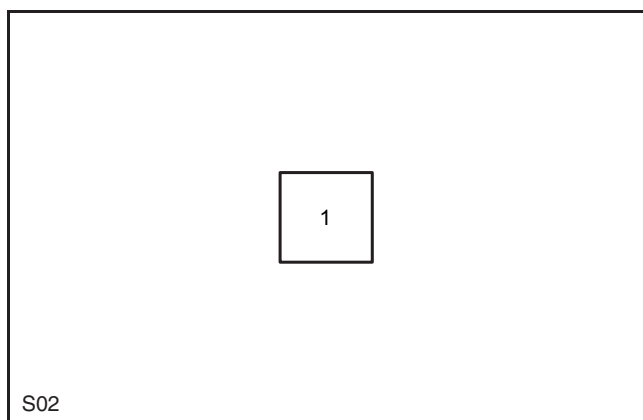
Passenger Side Airbag Connector



S01 (AT, MT luxury) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/BU	Power supply signal
2	0.5 GN/BN	Ground signal

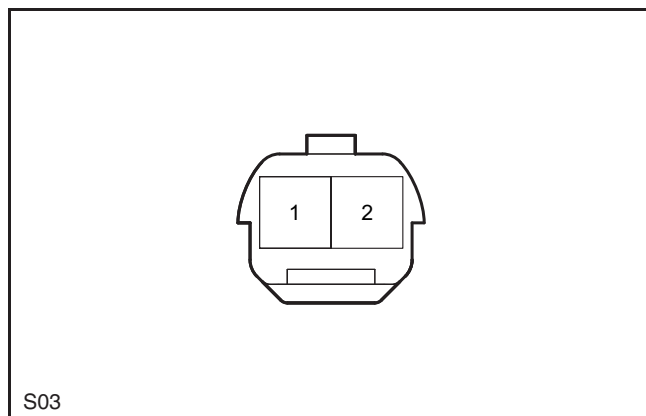
Passenger Side Door Contact Switch Connector



S02 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.3 WH/BU	Ground signal

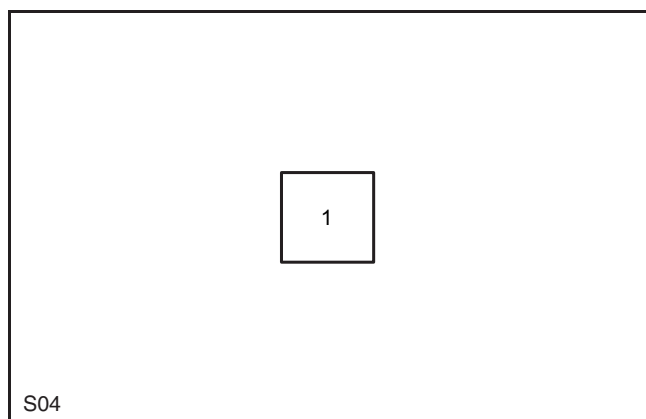
Cup Bracket Lamp Connector



S03 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/RD	Backlighting illumination signal
2	0.5 BK	Ground

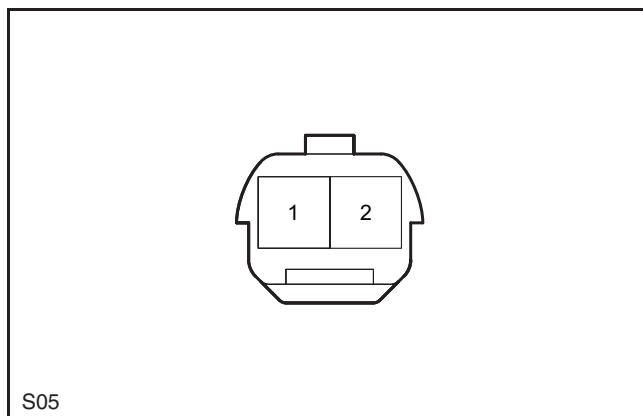
Parking Brake Switch Connector



S04 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.3 LG	Signal

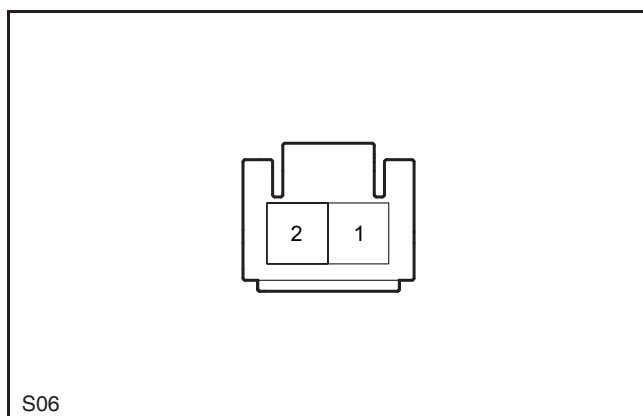
Driver Seat Belt Switch Connector



S05 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.3 LU/YE	Signal
2	0.5 BK	Ground

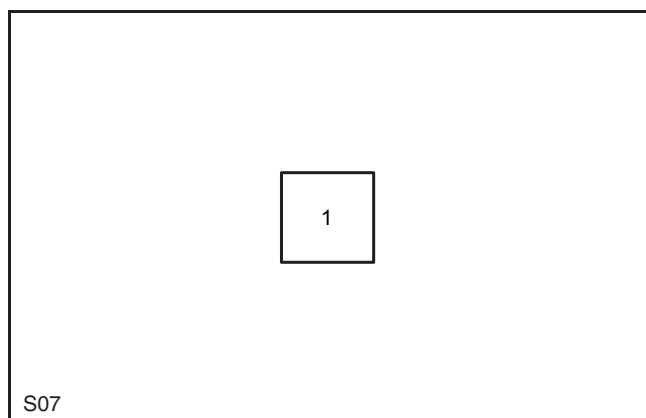
Driver Side Airbag Connector



S06 (AT, MT luxury) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 YE/BK	Power supply signal
2	0.5 YE/RD	Ground signal

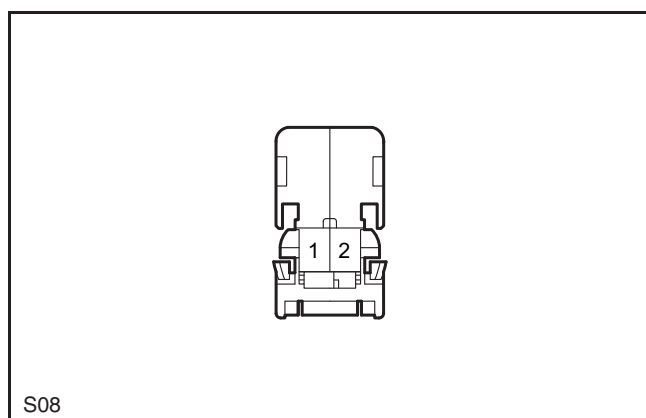
Driver Side Door Contact Switch Connector



S07 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.3 WH/GN	Ground signal

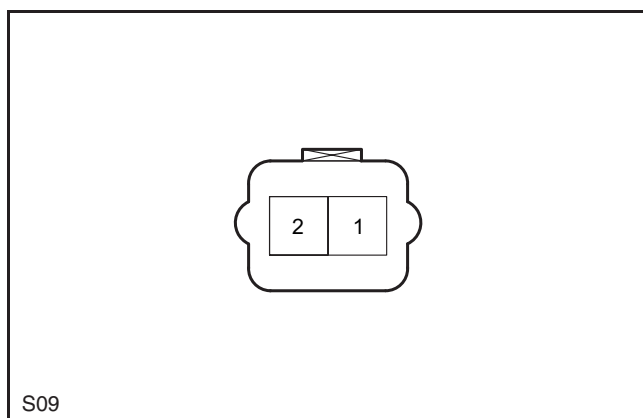
Passenger Seat Belt Pretensioner Connector



S08 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BU	Power supply signal
2	0.5 VT	Ground signal

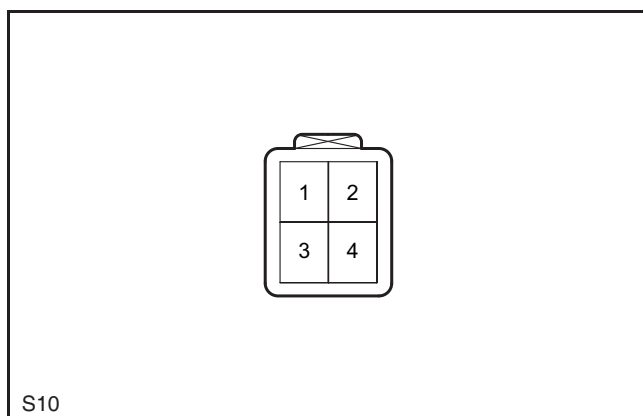
Passenger Side Impact Sensor Connector



S09 (AT, MT luxury) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.3 BK	Power supply signal
2	0.3 YE	Ground signal

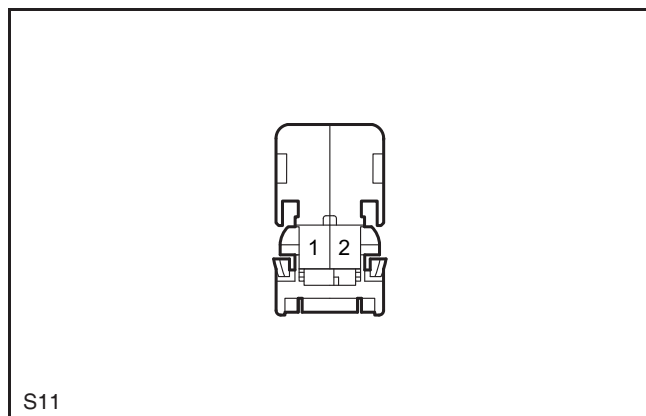
Fuel Pump Connector



S10 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.3 GN/OG	Fuel fluid level sensor ground signal
2	0.3 YE/RD	Fuel fluid level sensor signal
3	1.25 GN	Fuel pump power supply
4	1.25 BK	Ground

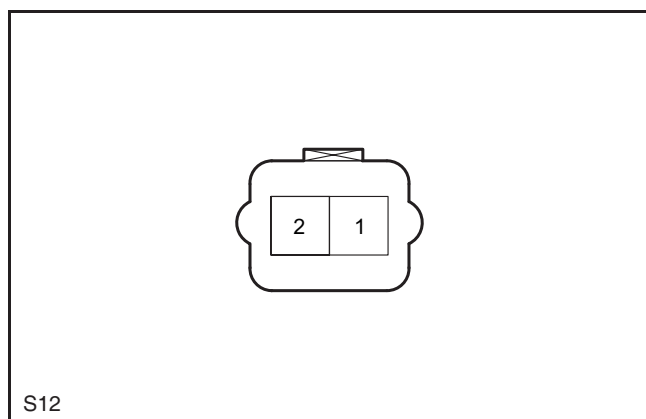
Driver Seat Belt Pretensioner Connector



S11 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GY/WH	Power supply signal
2	0.5 GY/GN	Ground signal

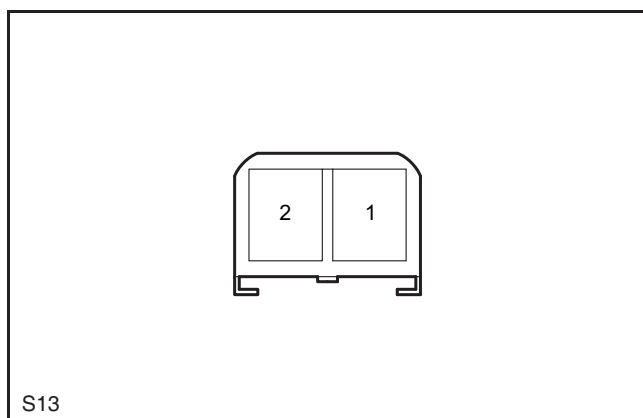
Driver Side Impact Sensor Connector



S12 (AT, MT luxury) Pin Definition

Pin Number	Wire Width/Color	Function
1	0.3 RD	Power supply signal
2	0.3 BK	Ground signal

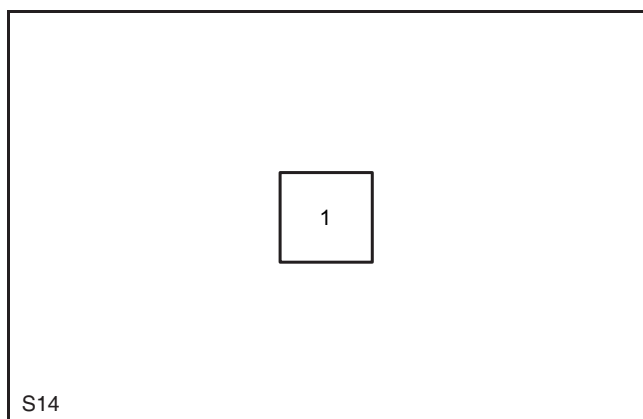
WSS (LR) Connector



S13 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/BU	Power supply
2	0.5 GN/YE	Signal

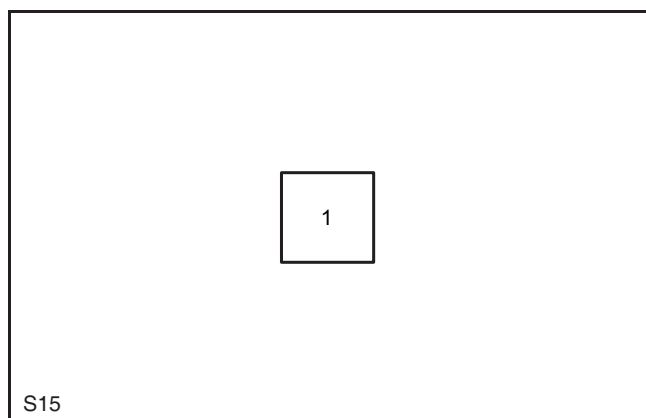
Left Rear Door Contact Switch



S14 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.3 GY	Ground signal

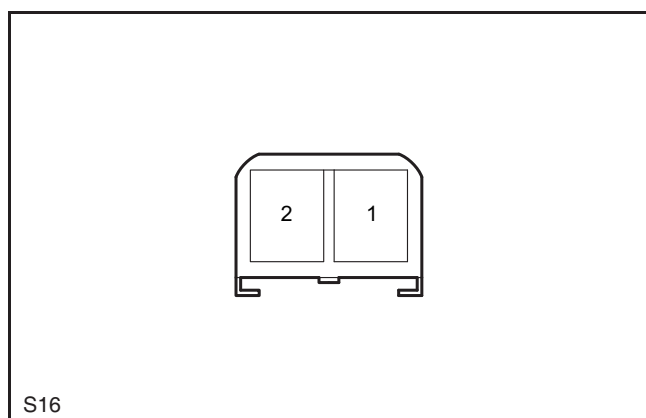
Right Rear Door Contact Switch Connector



S15 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.3 WH	Ground signal

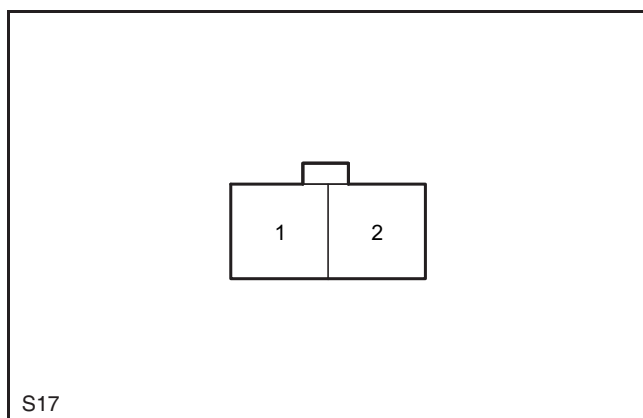
WSS (RR) Connector



S16 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/VT	Power supply
2	0.5 GN/PK	Signal

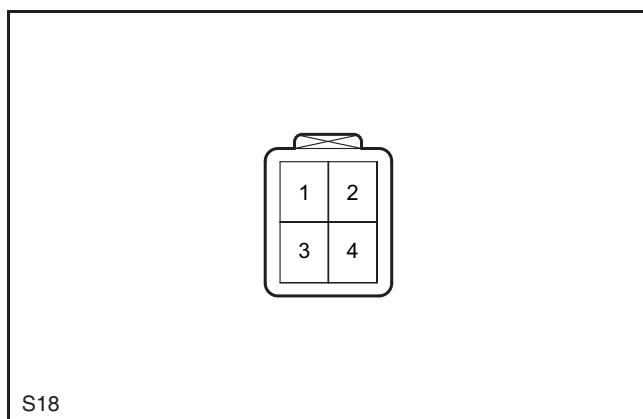
Trunk Lamp Connector



S17 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 WH/BK	Continuous power supply
2	0.5 RD/WH	Tailgate door lock motor switch signal

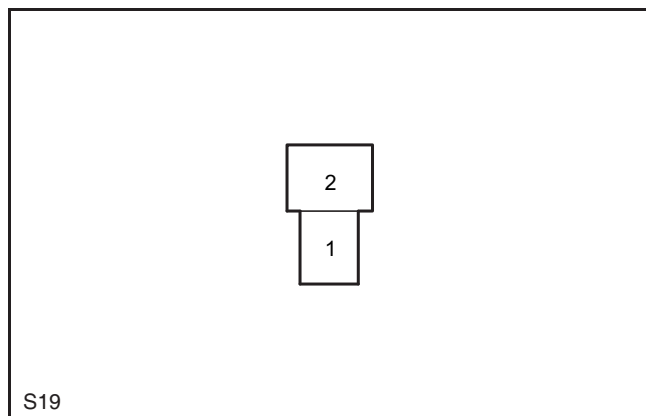
Right Tail Lamp Connector



S18 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BN/YE	RR brake lamp power supply
2	0.5 GN/WH	RR turn signal lamp power supply
3	0.5 GN/RD	RR position lamp power supply
4	0.5 BK	Ground

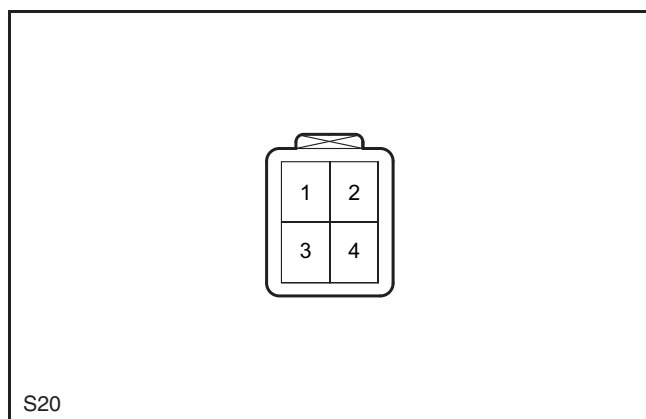
Rear Power Outlet Connector



S19 Pin Definition

Pin Number	Wire Width/Color	Function
1	1.25 BU/BN	Power supply
2	1.25 BK	Ground

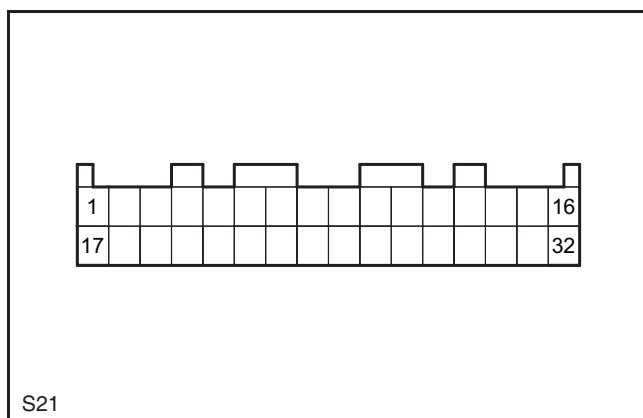
Left Tail Lamp Connector



S20 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BN/YE	LR brake lamp power supply
2	0.5 GN/BK	LR turn signal lamp power supply
3	0.5 GN/RD	LR position lamp power supply
4	0.5 BK	Ground

PAM Connector

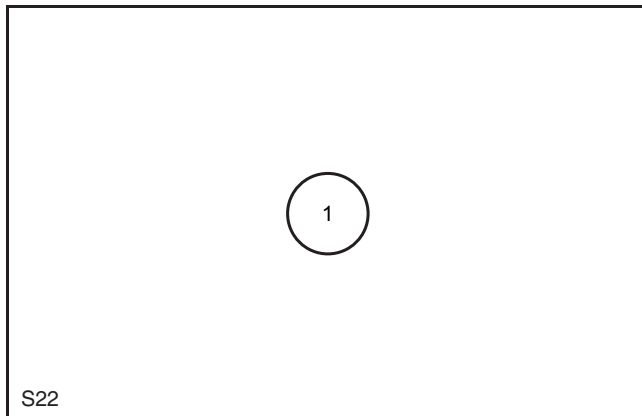


S21 Pin Definition

Pin Number	Wire Width/Color	Function
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	0.5 BN/BU	Center rear parking aid sensor signal
12	-	-
13	0.5 BN/RD	Right rear parking aid sensor signal
14	0.5 BN/BK	Parking aid sensor control signal
15	-	-
16	-	-
17	0.5 BK	Ground
18	-	-
19	0.5 BN/WH	Reverse lamp signal
20	-	-
21	-	-
22	-	-
23	0.3 BN	PAM - clock
24	0.3 BN/YE	PAM - data bus
25	-	-
26	-	-

Pin Number	Wire Width/Color	Function
27	-	-
28	-	-
29	0.5 BN/GN	Left rear parking aid sensor signal
30	-	-
31	-	-
32	-	-

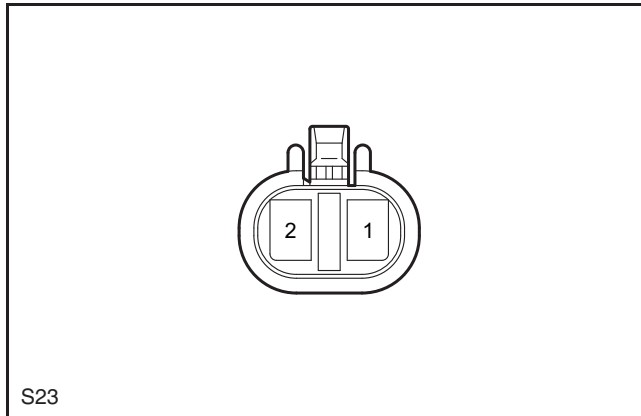
Antenna Connector



S22 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 PK	Power supply

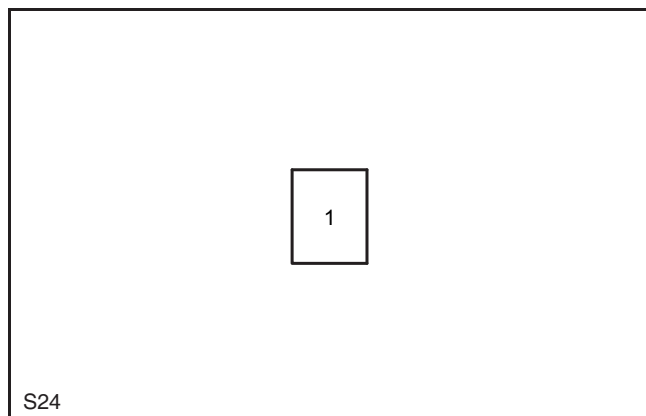
High Mounted Brake Lamp Connector



S23 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BN/YE	Power supply
2	0.5 BK	Ground

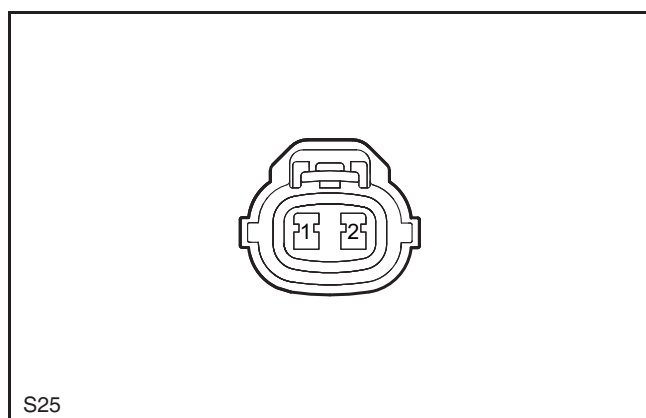
Rear Defroster Positive Lug



S24 Pin Definition

Pin Number	Wire Width/Color	Function
1	1.25 RD	Rear defroster opening signal

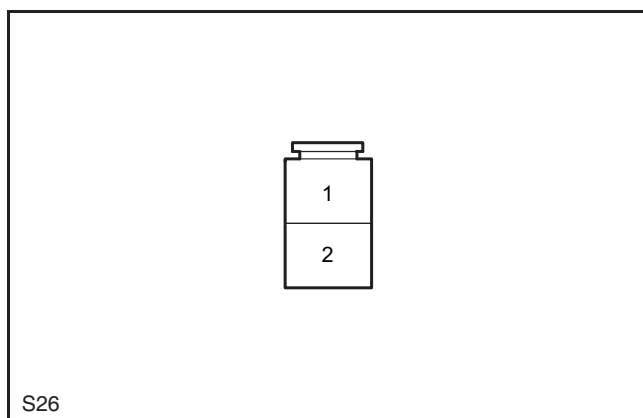
Left Reverse Lamp Connector



S25 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BN/WH	Power supply
2	0.5 BK	Ground

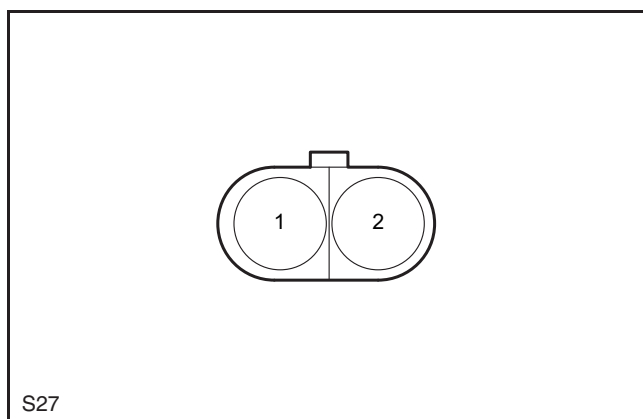
Left License Plate Lamp Connector



S26 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/RD	Power supply
2	0.5 BK	Ground

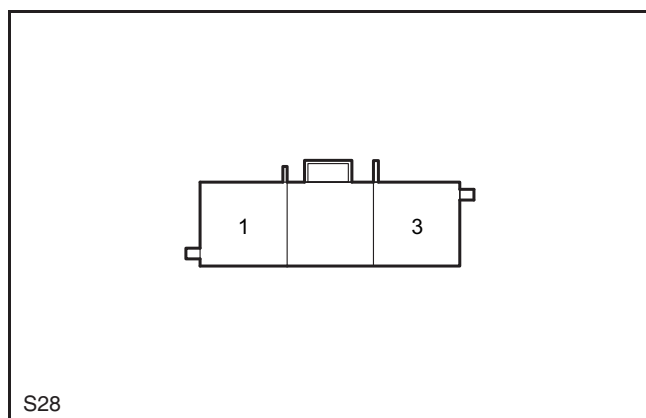
Trunk Release Switch Connector



S27 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BU/BK	Signal
2	0.5 BK	Ground

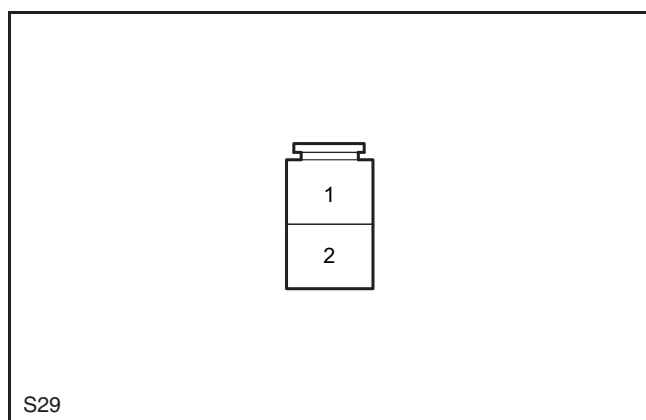
Tailgate Door Lock Motor Connector



S28 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 RD/WH	Tailgate door lock motor switch signal
2	1.25 BK	Ground
3	1.25 RD/GN	Tailgate door lock motor signal

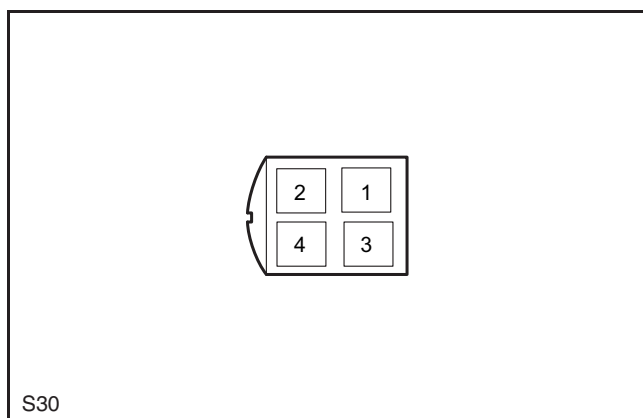
Right License Plate Lamp Connector



S29 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/RD	Power supply
2	0.5 BK	Ground

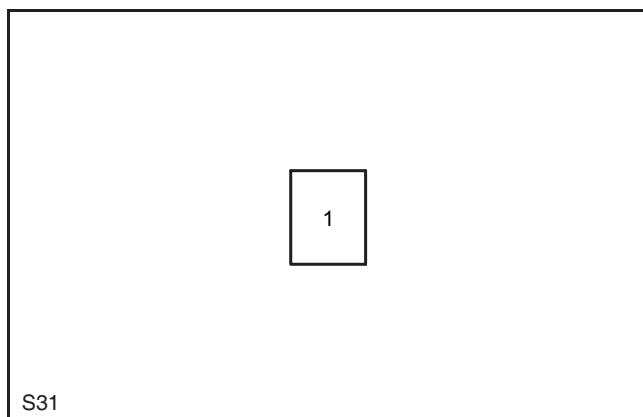
Rear Windshield Wiper Motor Connector



S30 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.85 BU/BN	Power supply
2	-	-
3	0.85 BK	Ground
4	0.85 RD/WH	Continuous power supply

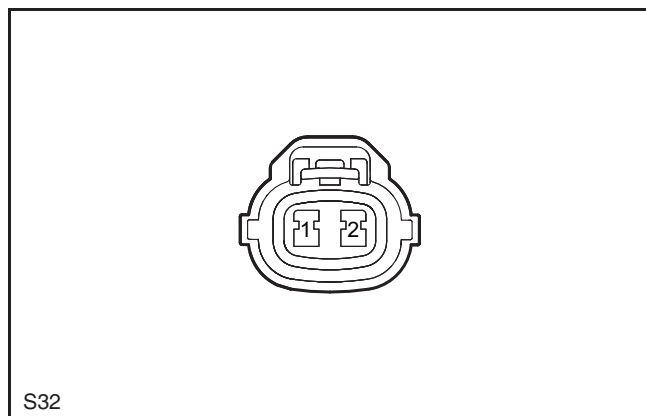
Rear Defroster Negative Lug



S31 Pin Definition

Pin Number	Wire Width/Color	Function
1	1.25 BK	Ground

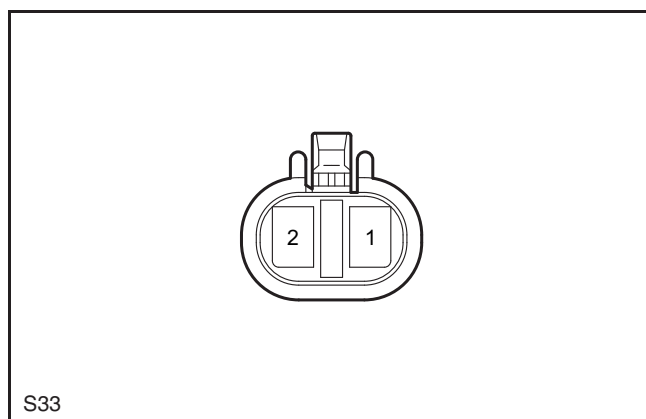
Right Reverse Lamp Connector



S32 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BN/WH	Power supply
2	0.5 BK	Ground

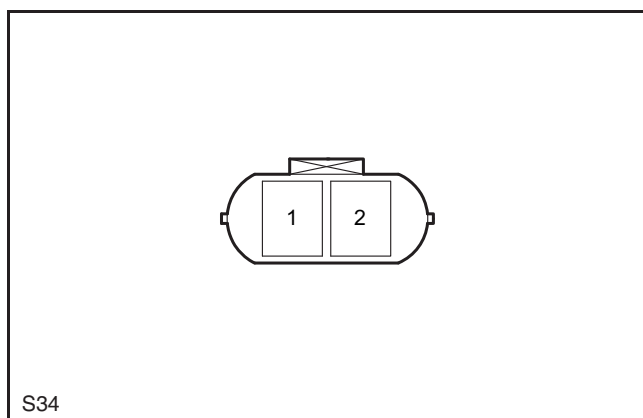
Left Rear Fog Lamp Connector



S33 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 OG/WH	Power supply
2	0.5 BK	Ground

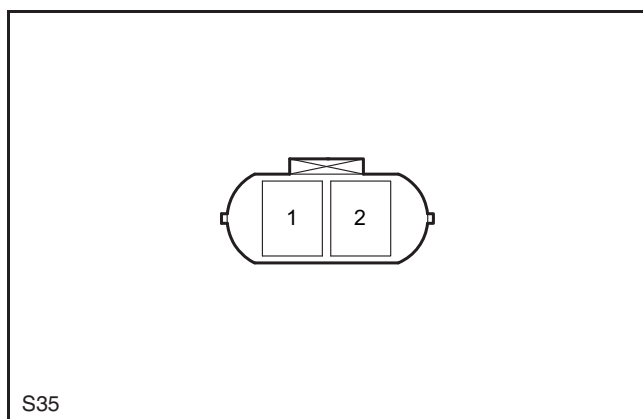
Left Rear Parking Aid Sensor Connector



S34 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BN/GN	Signal
2	0.5 BN/BK	Control signal

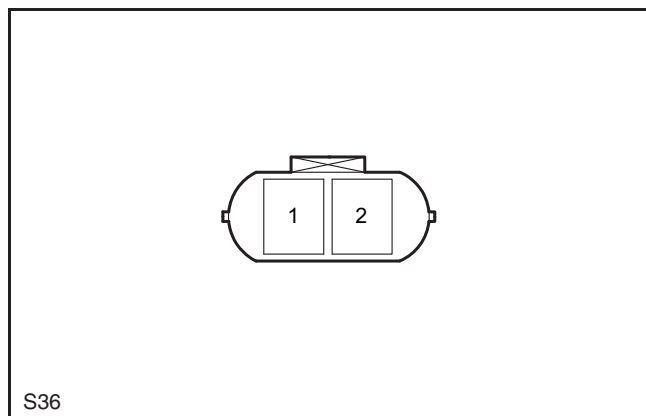
Center Rear Parking Aid Sensor Connector



S35 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BN/BU	Signal
2	0.5 BN/BK	Control signal

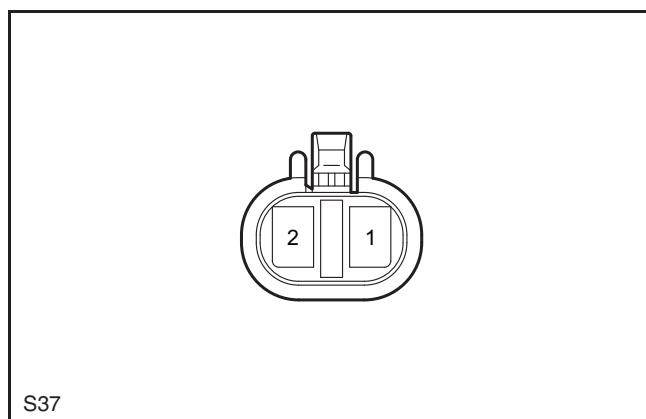
Right Rear Parking Aid Sensor Connector



S36 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BN/RD	Signal
2	0.5 BN/BK	Control signal

Right Rear Fog Lamp Connector

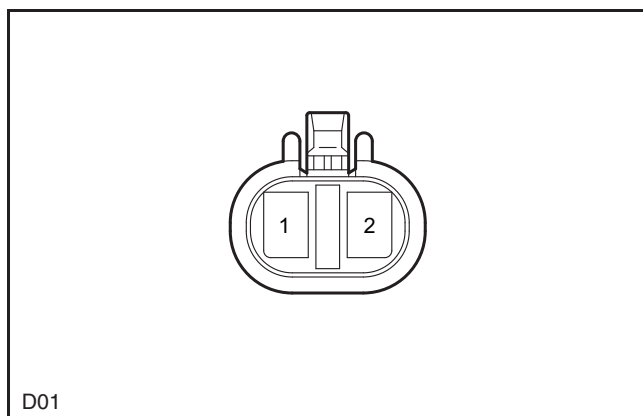


S37 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 OG/WH	Power supply
2	0.5 BK	Ground

Door Harness Connector (D--)

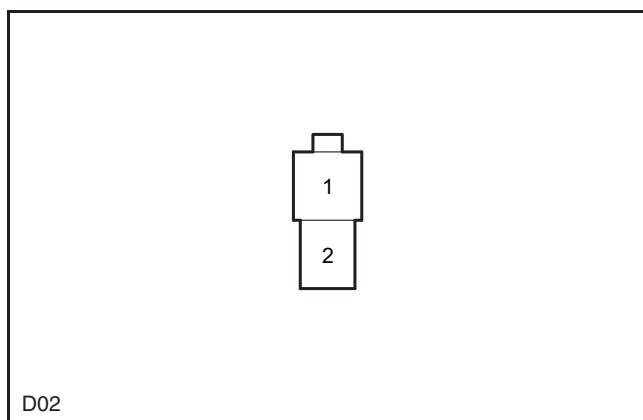
Driver Side Window Regulator Motor Connector



D01 Pin Definition

Pin Number	Wire Width/Color	Function
1	2.0 BU	Up control signal
2	2.0 GN	Down control signal

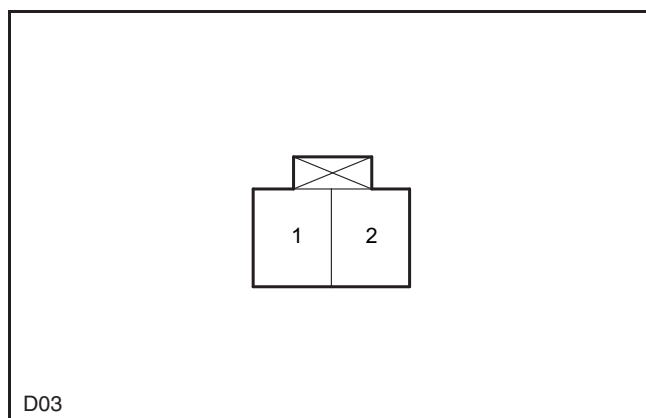
Driver Side Door Speaker Connector



D02 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/RD	-
2	0.5 GN/BU	+

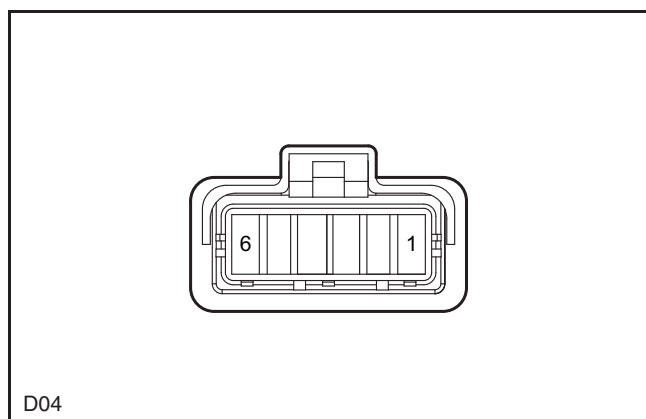
Driver Side Door Courtesy Lamp Connector



D03 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 VT/RD	Power supply
2	0.5 WH/GN	Signal

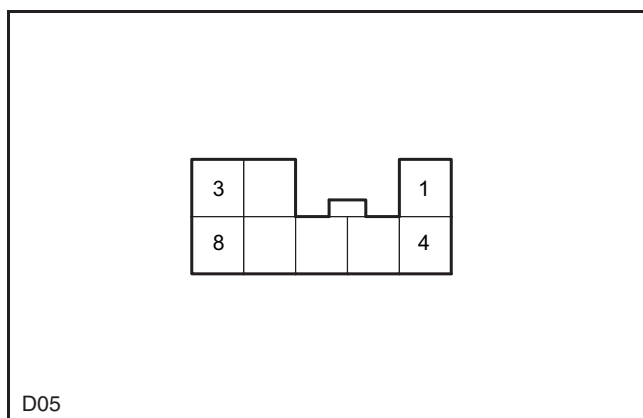
Driver Side Door Lock Motor Connector



D04 Pin Definition

Pin Number	Wire Width/Color	Function
1	1.25 VT/YE	Door lock signal
2	1.25 VT/RD	Door unlock signal
3	0.5 PK/WH	Lock/unlock state switch signal
4	0.5 BK	Ground
5	-	-
6	-	-

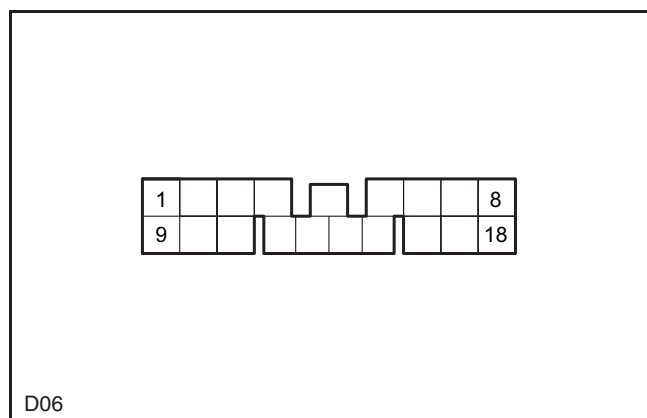
Left Power Rearview Mirror Connector



D05 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 YE/GN	Left rearview mirror adjusting signal
2	0.5 BN/BU	Left rearview mirror left-right adjusting signal
3	0.5 BK/BN	Left rearview mirror up-down adjusting signal
4	-	-
4 (AT, MT luxury)	0.5 VT	Left rearview mirror unfolding/folding adjusting signal
5	-	-
5 (AT, MT luxury)	0.5 OG/BK	Left rearview mirror unfolding/folding adjusting signal
6	0.5 GN/BK	Left rearview mirror turn signal lamp power supply
7	0.5 BK	Ground
8	-	-

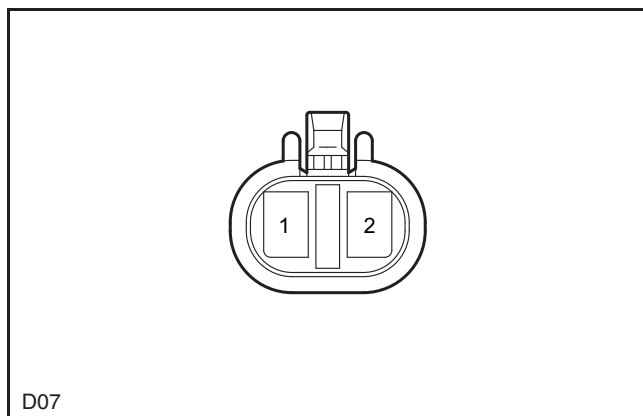
Driver Side Power Window Switch Connector



D06 Pin Definition

Pin Number	Wire Width/Color	Function
1	2.0 BU	Driver side window regulator up control signal
2	-	-
3	2.0 BU/OG	Continuous power supply
4	0.5 YE	Driver side power window switch control power supply
5	2.0 BK/BU	Power window safety switch signal
6	2.0 BK	Ground
7	-	-
8	2.0 GN	Driver side window regulator down control signal
9	0.5 PK/YE	LR window regulator up control signal
10	0.5 GY	LR window regulator down control signal
11	0.5 GN/RD	Backlighting illumination signal
12	-	-
13	0.3 GY/OG	Central lock lock/unlock signal
14	0.5 BK	Ground
15	0.5 RD/OG	Passenger side window regulator down control signal
16	0.5 YE/OG	Passenger side window regulator up control signal
17	0.5 PK/BN	RR window regulator down control signal
18	0.5 BU/GN	RR window regulator up control signal

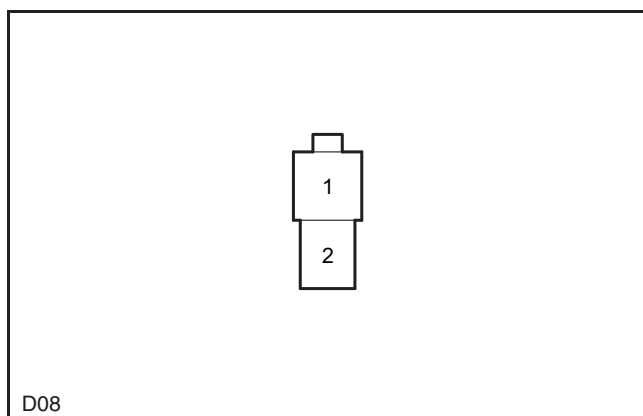
Passenger Side Window Regulator Motor Connector



D07 Pin Definition

Pin Number	Wire Width/Color	Function
1	2.0 BU	Up control signal
2	2.0 BU/WH	Down control signal

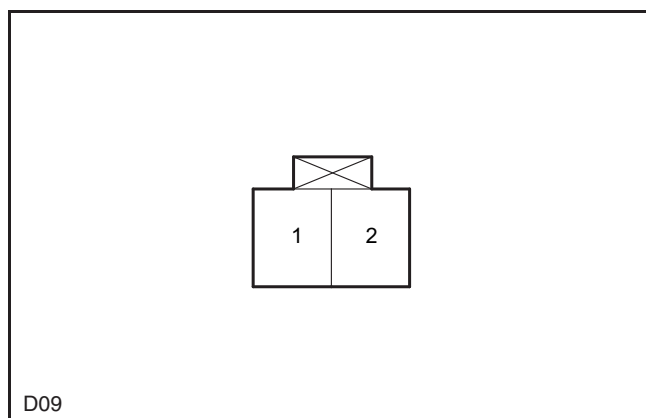
Passenger Side Door Speaker Connector



D08 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 VT/OG	-
2	0.5 VT/GN	+

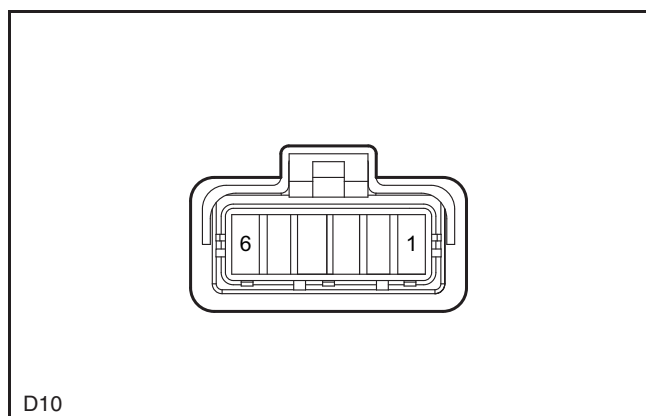
Passenger Side Door Courtesy Lamp Connector



D09 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN	Passenger side door courtesy lamp power supply
2	0.5 WH/BU	RF door contact switch signal

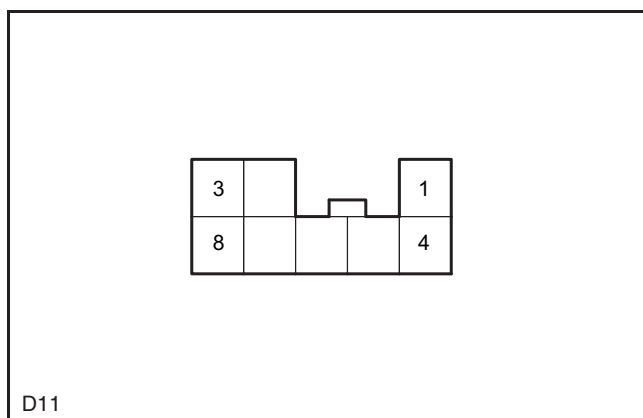
Pssenger Side Door Lock Motor Connector



D10 Pin Definition

Pin Number	Wire Width/Color	Function
1	1.25 VT/RD	Door unlock signal
2	1.25 VT/YE	Door unlock signal
3	-	-
4	-	-
5	-	-
6	-	-

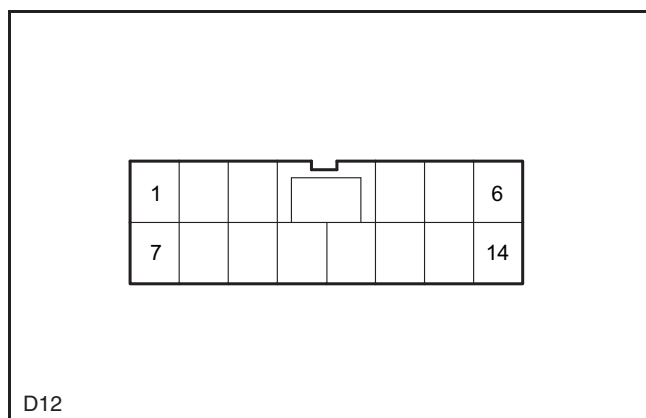
Right Power Rearview Mirror Connector



D11 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 YE/GN	Right power rearview mirror adjusting signal
2	0.5 BK/VT	Right power rearview mirror left-right adjusting signal
3	0.5 BK/OG	Right power rearview mirror up-down adjusting signal
4	-	-
4 (AT, MT luxury)	0.5 VT	Right power rearview mirror unfolding/folding adjusting signal
5	-	-
5 (AT, MT luxury)	0.5 OG/BK	Right power rearview mirror unfolding/folding adjusting signal
6	0.5 GN/WH	Right power rearview mirror turn signal lamp power supply
7	0.5 BK	Ground
8	-	-

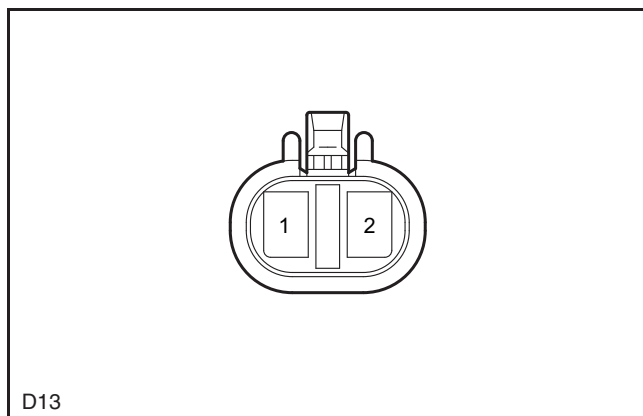
Passenger Side Power Window Switch Connector



D12 Pin Definition

Pin Number	Wire Width/Color	Function
1	2.0 BU	Passenger side window regulator up control signal
2	0.5 YE/OG	Passenger side window regulator up control signal input
3	2.0 BU/BK	Continuous power supply
4	2.0 BK	Ground
5	0.5 RD/OG	Passenger side window regulator down control signal input
6	2.0 BU/WH	Passenger side window regulator down control signal
7	-	-
8	-	-
9	0.5 GN/RD	Backlighting illumination signal
10	-	-
11	-	-
12	-	-
13	2.0 BK/BU	Power window safety switch signal
14	0.5 YE	Passenger side power window switch control power supply

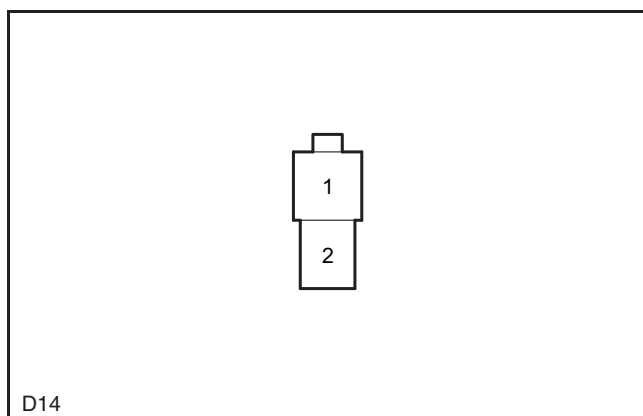
Left Rear Window Regulator Motor Connector



D13 Pin Definition

Pin Number	Wire Width/Color	Function
1	2.0 BU	LR window regulator up control signal
2	2.0 BU/WH	LR window regulator down control signal

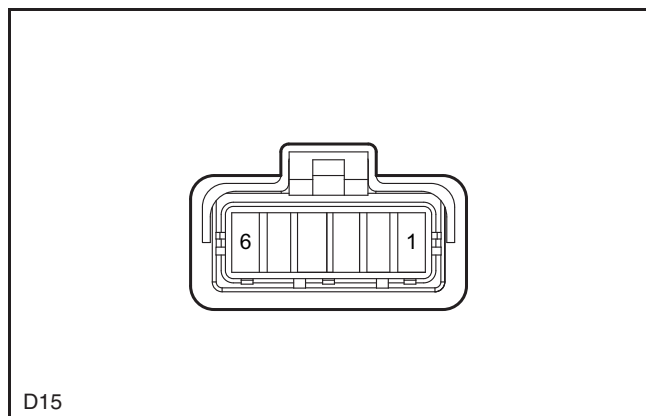
Left Rear Door Speaker Connector



D14 Pin Definition

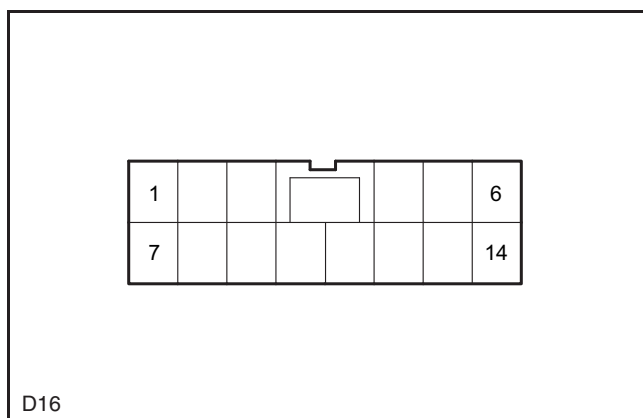
Pin Number	Wire Width/Color	Function
1	0.5 GN/VT	-
2	0.5 GN/PK	+

Left Rear Door Lock Motor Connector

**D15 Pin Definition**

Pin Number	Wire Width/Color	Function
1	1.25 VT/YE	Door lock signal
2	1.25 VT/RD	Door unlock signal
3	-	-
4	-	-
5	-	-
6	-	-

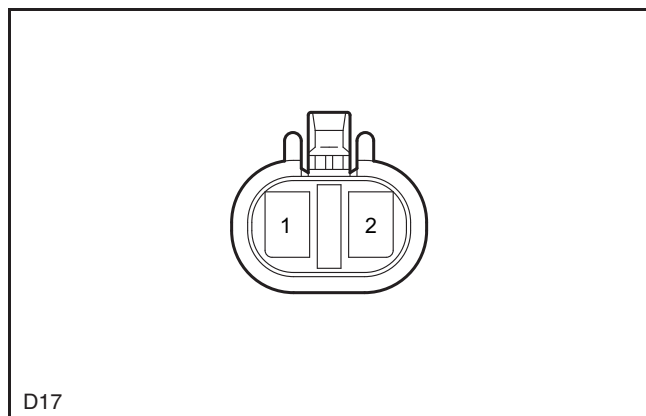
Left Rear Power Window Switch Connector



D16 Pin Definition

Pin Number	Wire Width/Color	Function
1	2.0 BU	LR window regulator up control signal
2	0.5 PK/YE	LR window regulator up control signal input
3	2.0 BU/OG	Continuous power supply
4	2.0 BK	Ground
5	0.5 GY	LR window regulator down control signal input
6	2.0 BU/WH	LR window regulator down control signal
7	-	-
8	-	-
9	0.5 GN/RD	Backlighting illumination signal
10	-	-
11	-	-
12	-	-
13	2.0 BK/BU	Power window safety switch signal
14	0.5 YE	LR power window switch control power supply

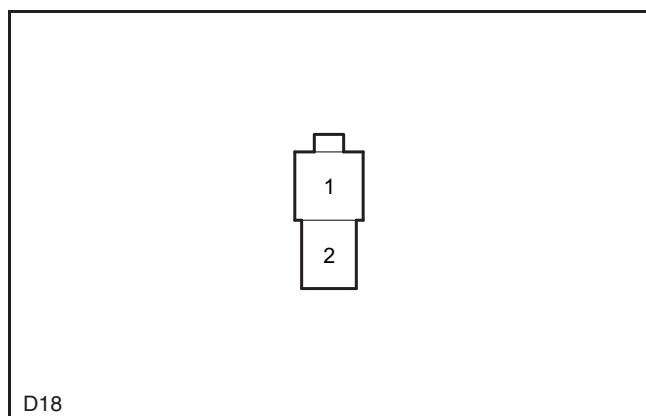
Right Rear Window Regulator Motor Connector



D17 Pin Definition

Pin Number	Wire Width/Color	Function
1	2.0 BU	Up control signal
2	2.0 BU/WH	Down control signal

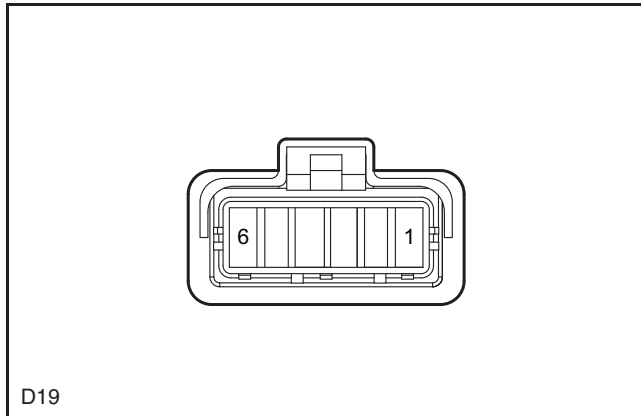
Right Rear Door Speaker Connector



D18 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 GN/BU	-
2	0.5 GN/BN	+

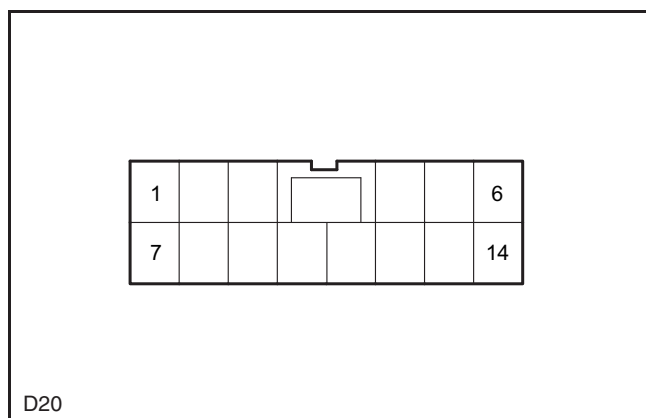
Right Rear Door Lock Motor Connector



D19 Pin Definition

Pin Number	Wire Width/Color	Function
1	1.25 VT/RD	Door unlock signal
2	1.25 VT/YE	Door lock signal
3	-	-
4	-	-
5	-	-
6	-	-

Right Rear Power Window Switch

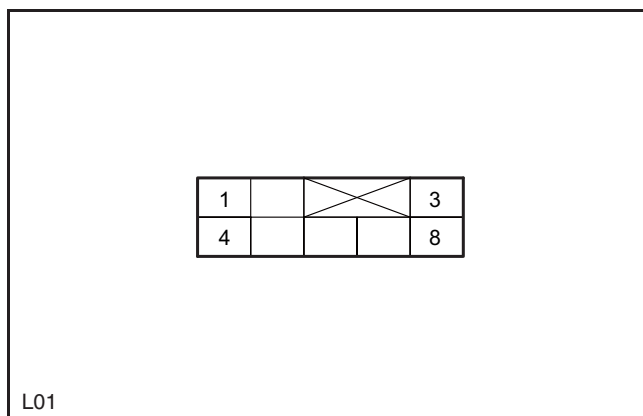


D20 Pin Definition

Pin Number	Wire Width/Color	Function
1	2.0 BU	RR window regulator up control signal
2	0.5 BU/GN	RR window regulator up control signal input
3	2.0 BU/BK	Continuous power supply
4	2.0 BK	Ground
5	0.5 PK/BR	RR window regulator down control signal input
6	2.0 BU/WH	RR window regulator down control signal
7	-	-
8	-	-
9	0.5 GN/RD	Backlighting illumination signal
10	-	-
11	-	-
12	-	-
13	2.0 BK/BU	Power window safety switch signal
14	0.5 YE	RR power window switch control power supply

Interior Lamp Connector (L--)

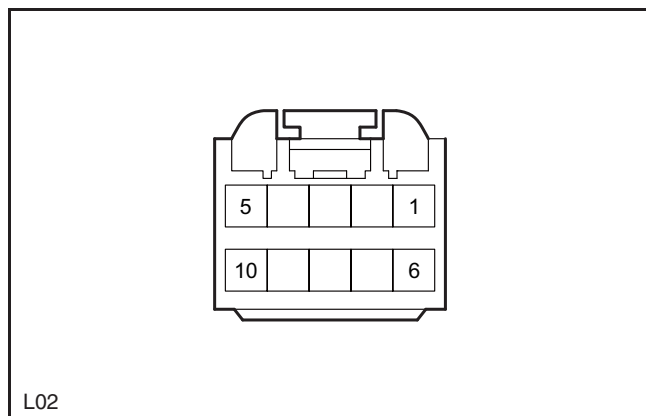
Front Dome Lamp Switch Connector



L01 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 BK	Ground
2	0.5 RD/BN	Door control switch signal
3	-	-
3 (AT, MT luxury)	0.5 GN	Sunroof off signal
4	0.5 WH/BK	Front dome lamp switch power supply
5	-	-
6	-	-
6 (AT, MT luxury)	0.5 YE/BK	Sunroof switch control bus
7	-	-
7 (AT, MT luxury)	0.5 GY	Sunroof open signal
8	-	-

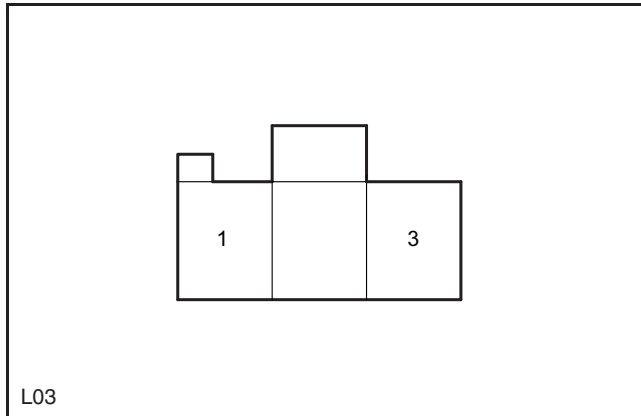
Sunroof Control Module Connector



L02 (AT, MT luxury) Pin Definition

Pin Number	Wire Width/Color	Function
1	2.0 RD	Continuous power supply
2	-	-
3	-	-
4	0.5 YE	Sunroof control power supply
5	0.5 YE/BK	Sunroof switch control bus
6	-	-
7	-	-
8	0.5 GN	Sunroof close signal
9	0.5 GY	Sunroof open signal
10	2.0 BK	Ground

Rear Dome Lamp Connector



L03 Pin Definition

Pin Number	Wire Width/Color	Function
1	0.5 WH/BK	Rear dome lamp power supply
2	-	-
3	0.5 BK	Ground

Abbreviations

Abbreviation	Description
A/C	Air Conditioning
AAT	Ambient Air Temperature
ABS	Anti-lock Brake System
AM/FM	Amplitude Modulation/ Frequency Modulation
APP	Accelerator Pedal Position
ASR	Acceleration Slip Regulation
AT	Automatic Transmission
ATF	Automatic Transmission Fluid
BCM	Body Control Module
CAN	Controller Area Network
CD	Compact Disc
CHMSL	Center High Mounted Stop Lamp
CKP	Crankshaft Position Sensor
CMP	Camshaft Position Sensor
CRK	Crank
DDM	Driver Door Module
DLC	Data Link Connector
DOHC	Double Overhead Camshaft
DTC	Diagnostic Trouble Code
DVD	Digital Video Disk
EBD	Electric Brakeforce Distribution
ECM	Engine Control Module
ECT	Engine Coolant Temperature
EGR	Exhaust-Gas Recirculation
EOBD	European On Board Diagnostic
ESP	Electronic Stability Program
ETC	Electronic Throttle Control
EVAP	Evaporative Emission Control System
FWD	Front Wheel Drive
GPS	Global Positioning System
GVM	Gross Vehicle Mass
HCU	Hydraulic Control Unit
HFM	Hands Free Module
HID	High Intensity Discharge
HO2S	Heated Oxygen Sensor
HVAC	Heating, Ventilation and Air Conditioning
I/P	Instrument Panel

Abbreviation	Description
IAC	Idle Air Control Valve
IAT	Intake Air Temperature
ICU	Integrated Control Unit
IPC	Instrument Panel Cluster
ISO	International Standards Organization
ISS	Input Shaft Speed
KS	Knock Sensor
LED	Light Emitting Diode
LF	Left Front
LIN	Local Interconnect Network
LR	Left Rear
MAF	Mass Air Flow
MAP	Manifold Absolute Pressure
MIL	Malfunction Indicator Lamp
MP3	MPEG Audio Layer 3
MT	Manual Transmission
MTC	Manual Temperature Control
MY	Model Year
OBD-II	On Board Diagnostic II
OEM	Original Equipment Manufacturer
PAM	Parking Aid Module
PCV	Positive Crankcase Ventilation
PDC	Power Distribution Center
PDM	Passenger Door Module
PIN	Personal Identification Number
PWM	Pulse Width Modulation
RF	Right Front
RR	Right Rear
SAE	Society of Automotive Engineers
SAS	Steering Angle Sensor
SCCM	Steering Column Control Module
SDM	Supplemental Diagnostic Module
SFI	Sequential Fuel Injection
SOHC	Single Overhead Camshaft
SRI	Service Reminder Indicator
SRS	Supplemental Restraint System
TCC	Torque Converter Clutch
TCM	Transmission Control Module

Abbreviation	Description
TIR	Total Indicator Reading
TPMS	Tire Pressure Monitoring System
TPS	Throttle Position Switch
TRS	Transmission Range Sensor
TSB	Technical Service Bulletin
TWC	Three-way Catalyst
VFD	Vacuum Fluorescent Display
VIN	Vehicle Identification Number
VSS	Vehicle Speed Sensor
WSS	Wheel Speed Sensor



CAUTION: Refer to the workshop manual for the abbreviations not covered by the list.

