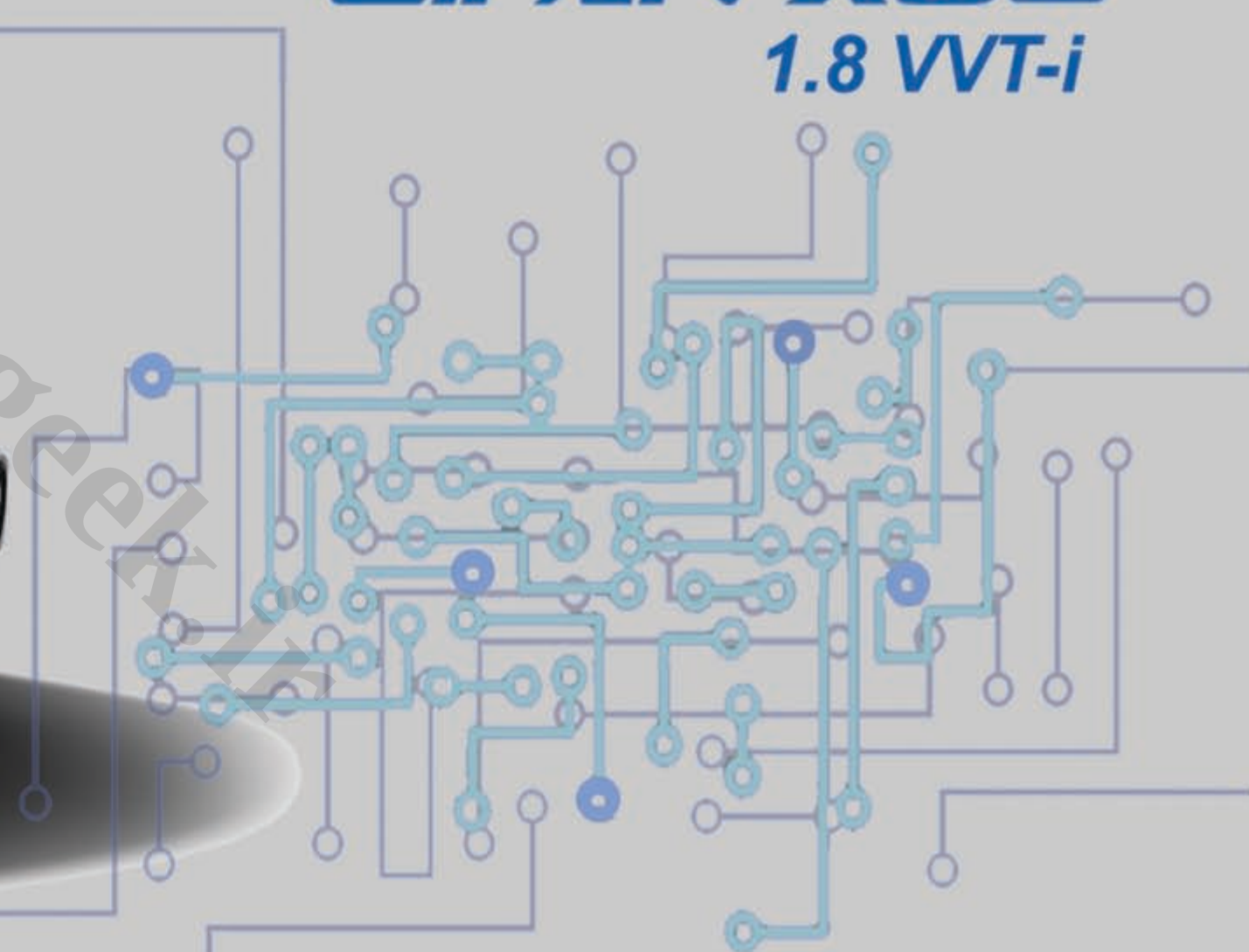




Wiring Diagram

LIFAN X60

1.8 VVT-i

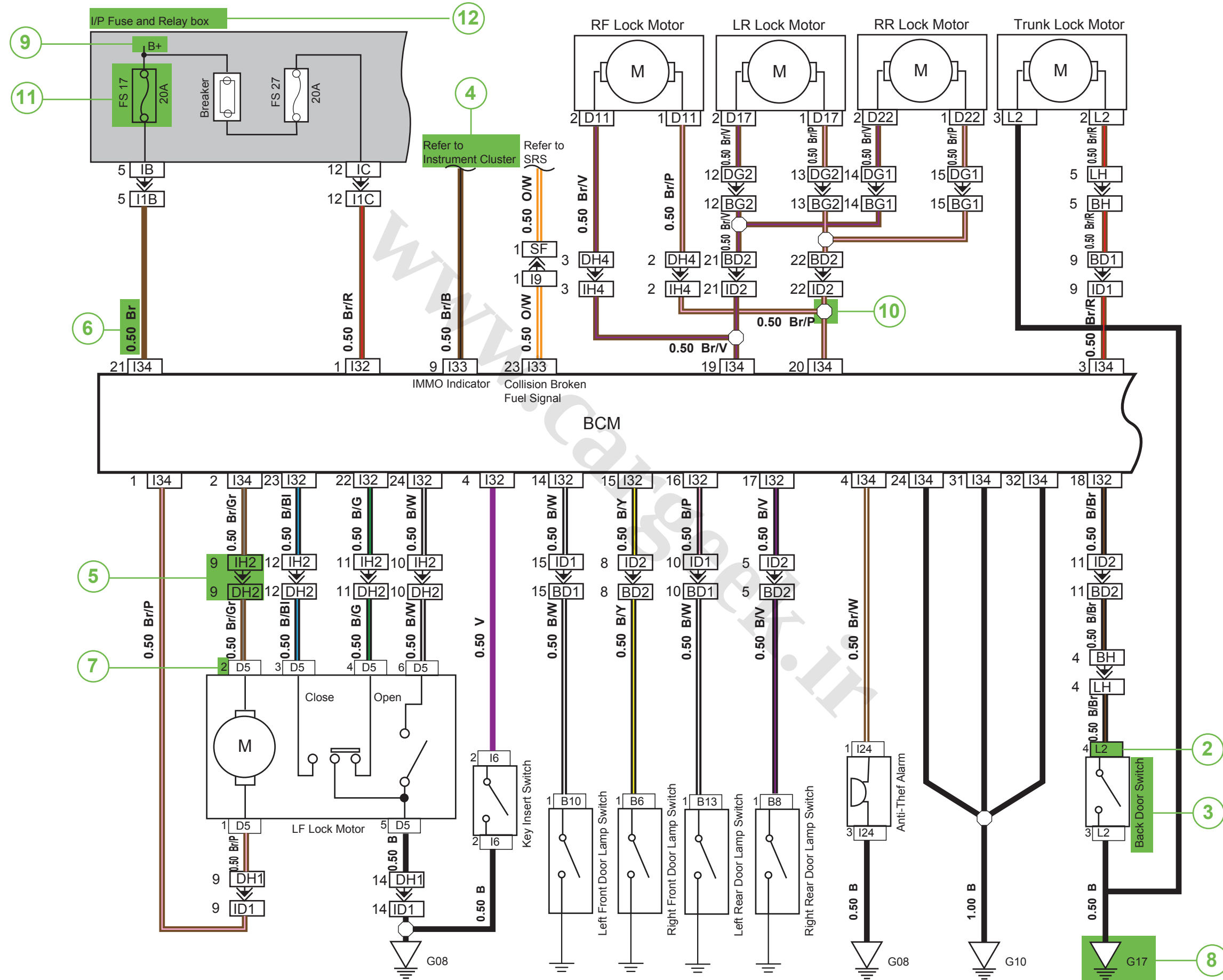


Ver:201207-1

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Central Lock and Theft Deterrent System



1. System name.
2. Harness connector naming.

In this manual, the harness connector naming is based on harness. For example, I/P connector is named as I23. I is the harness code, 23 is the connector number.

The table below lists all harness:

Code	Harness
U	Engine compartment harness
U--	Engine compartment harness connector
E	Engine harness
E--	Engine harness connector
I	Instrument panel harness
I--	Instrument panel harness connector
B	Body harness
B--	Body harness connector
D	Door harness
D--	Door harness connector
S	Airbag harness
S--	Airbag harness connector
L	Back door harness
L--	Bak door harness connector
R	Roof harness
R--	Roof harness connector
A	HVAC harness
A--	HVAC harness connector

Note:

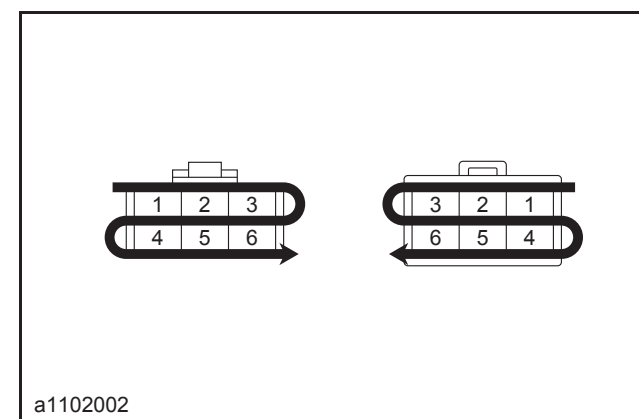
- 1 Door harness includes four door harnesses.
- 2 For hareness connector details, please refer to connector location views.
3. Component name.
4. System information.
5. Harness to harness connector. The character in the box is the connector code.
6. Wire color and diameter. The following table shows the color code.

Color Code	Wire Color	Legend
B	Black	
Br	Brown	
Bl	Blue	
G	Green	
Gr	Grey	
O	Orange	
P	Pink	
R	Red	
V	Purple	
W	White	
Y	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.

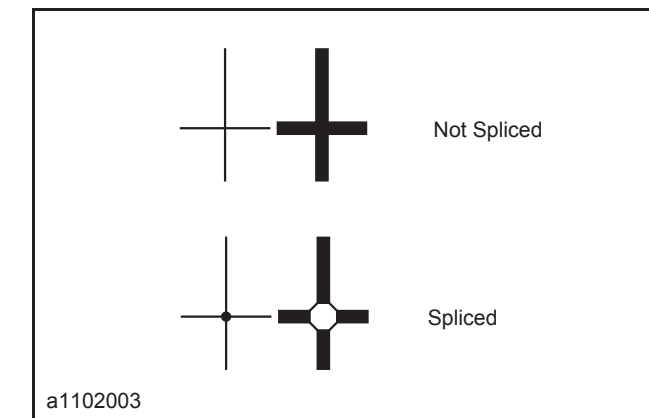
7. Pin number. The connector pin numbers are mirrored to the ones that connect to them, as shown below:



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. IG2 represents power supply from terminal 4 when ignition switch is at “ON” position. IG1 represents power supply from terminal 2 when ignition switch is at “ON” position.

Note: 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.

12. Grey shade means fuse and relay box.

	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		Ignition Switch

	Diode		Bulb		UTP (Unshielded Twisted Pair)
	Photodiode		Wire Direction		Starter
	Light Emitting Diode		Horn		Fan Assembly
	Motor		Clock Spring		Oxygen Sensor
	Limit Switch		Airbag		Low Speed Fan Relay B
	No Splice		Splice		

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Circuit 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

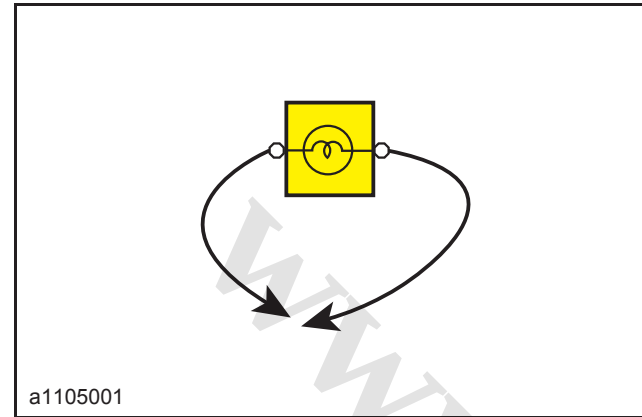
Repair the faulty circuit. Refer to the wiring diagram and workshop manual for fault treatment. For example, the treatment on bad connection to ground and the harness connector.

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.

Circuit Diagnostic Device

1. Voltmeter and Test Light



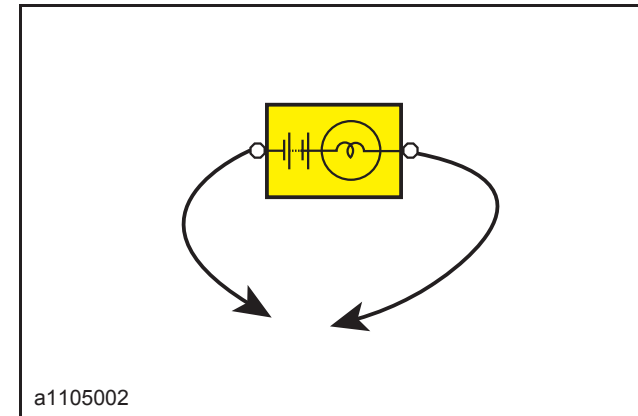
Use test light or voltmeter to check the circuit status.

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 10M Ω 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

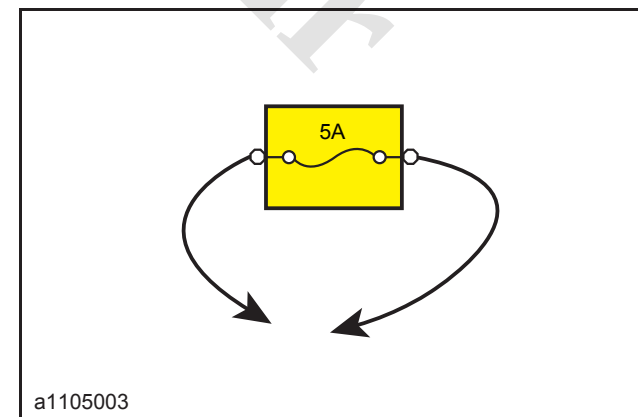


Use test light with own 12V power supply or ohmmeter to test the circuit continuity. Test light comprises a bulb, battery and a pair of wires. The bulb will be lit when the two wires contacted. Before test, disconnect the battery negative and pull out the fuse of the circuit to be tested. To test the 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 self-supply to test the control module. To do so, it could damage the circuit inside the control module. Please use a ohmmeter with 10M Ω 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



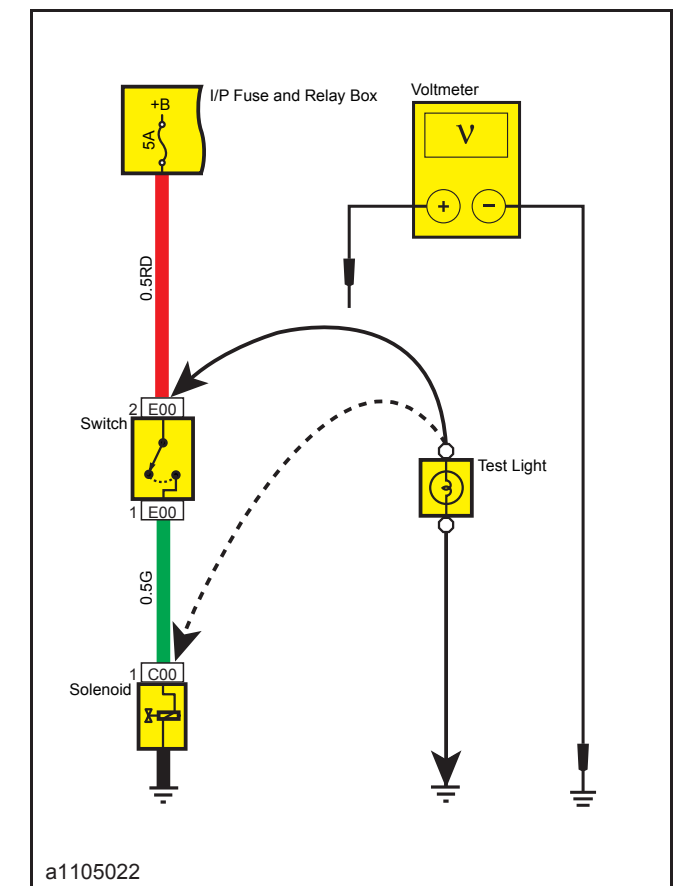
Use jumper to test a broken point for open loop circuit (circuit broken). The jumper

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

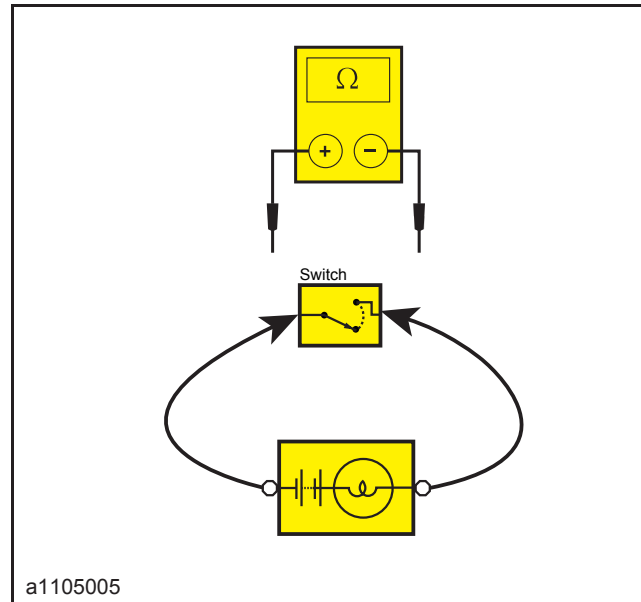


Voltage test process is to test the voltage at a certain point. When testing the connector terminals, insert the positive probe into the wire instead of breaking the harness.

- 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.
- Connect the other wire of the test light or the positive probe of the voltmeter to the place to be tested.

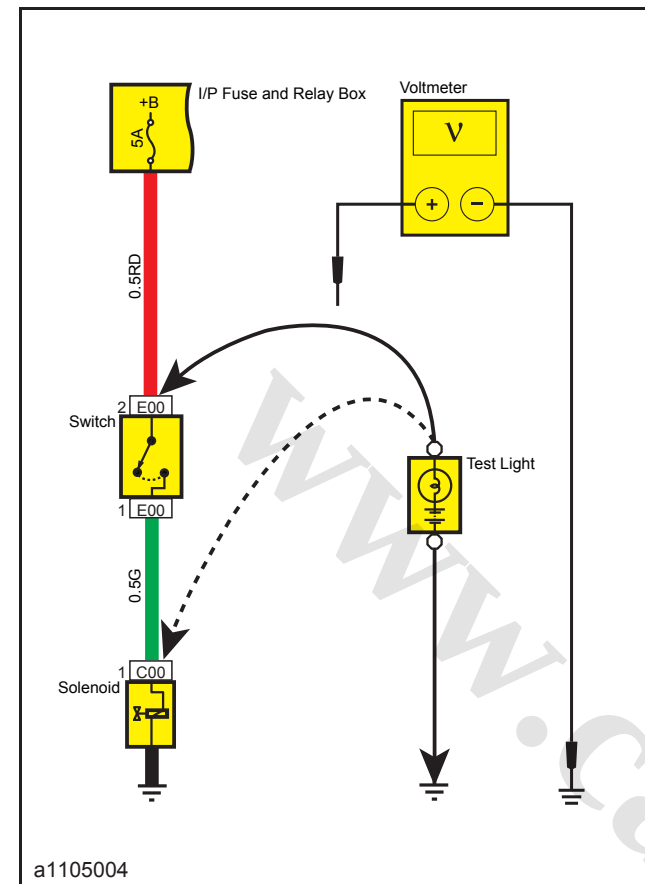
- 3 It means circuit fault if light is not lit. If using voltmeter and voltage display is lower than the rated value with more than 1V, it means the circuit fault.

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

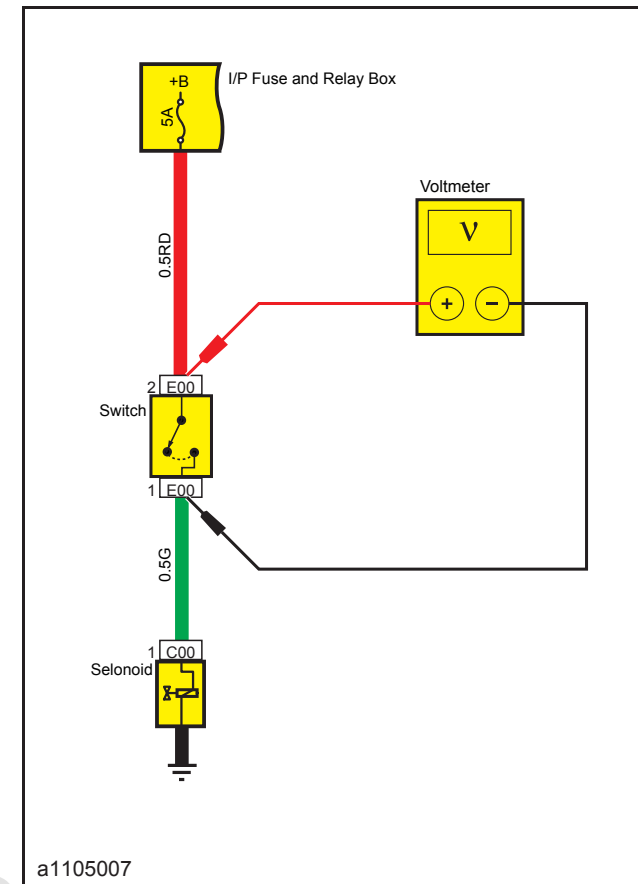


- 1 Disconnect battery negative.
- 2 Connect one of the wire of the test light with self-supply or the probe of the ohmmeter to the outlet terminal of the fuse.
- 3 Connect the other wire of the test light or probe of the ohmmeter to the ground.
- 4 Disconnect all the loads to the fuse.

Note: 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 Ω , it means the short circuit to the ground.

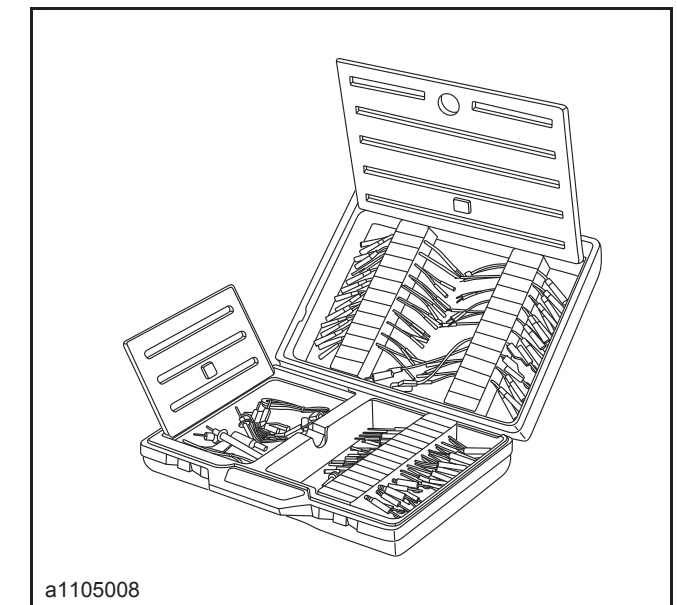
4. Voltage Drop Test



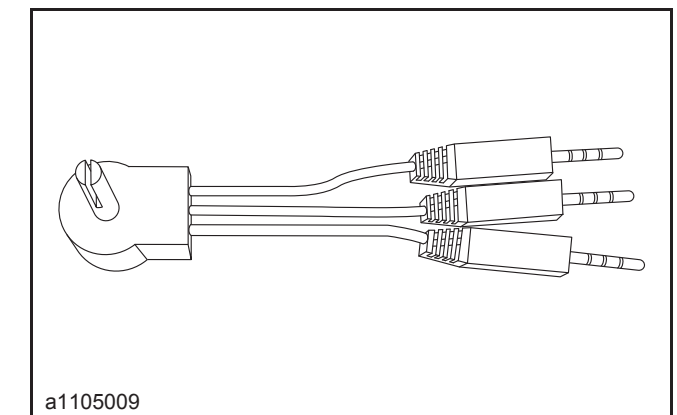
This is to test the voltage drop along the wire, connector or switch.

- 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

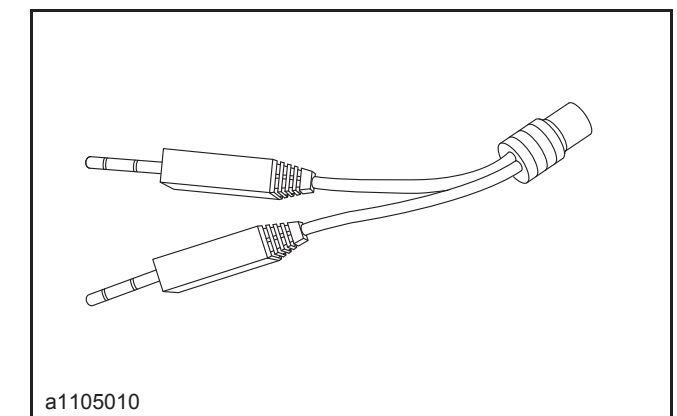


1. 5 K Ω Rheostat



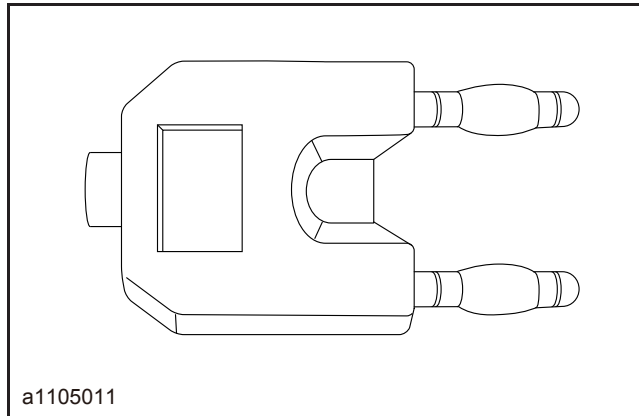
It can simulate ohm-type sensor signals, like coolant temperature sensor, air intake temperature sensor, etc. And help to make quick adjustment on the performance of the component.

2. LED Test Light



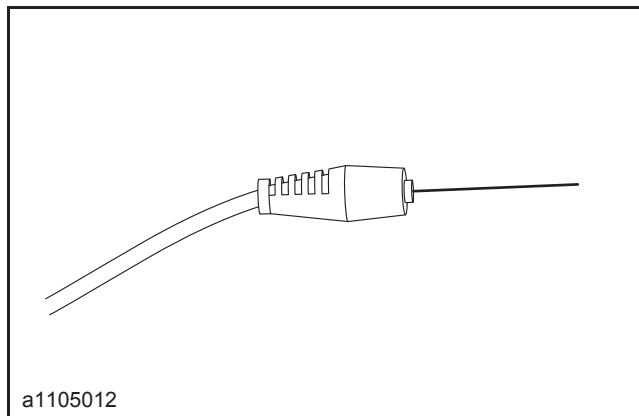
Bi-direction two-color LED light can change its color when exchanging the positive and negative. This feature can be used to test the PWM control signals of Hall sensor.

3. Airbag Test Tool



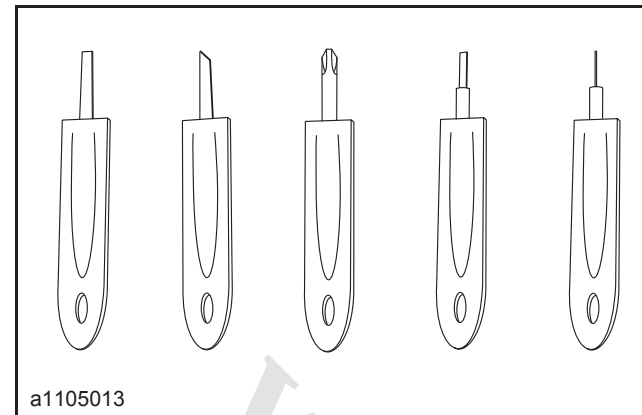
Before installing a new airbag, plug this tool to the airbag system, and use diagnostic tools to test the airbag system to confirm it works properly. After that, remove the airbag test tool and install the new airbag. This process can guarantee a safe airbag operation.

4. Probe



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

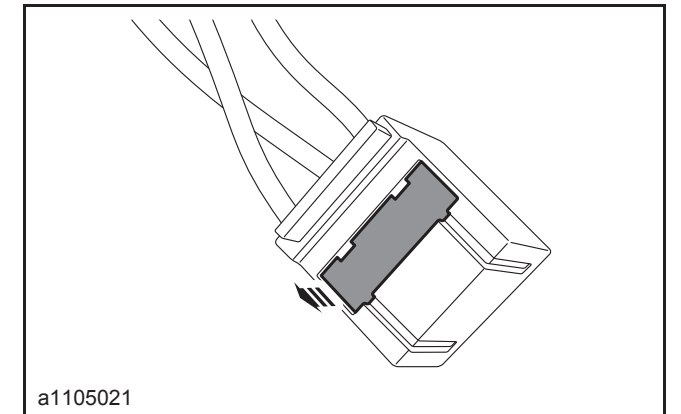
5. Terminal Repair Tool



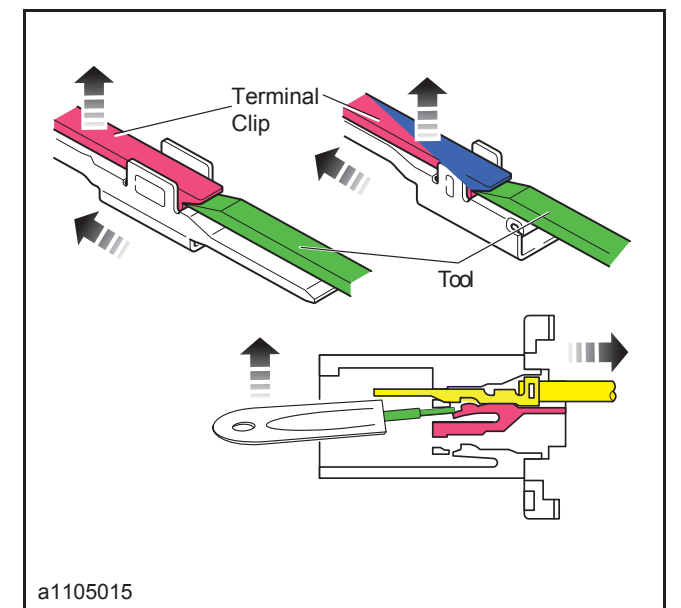
When repairing the terminals, use this tool to separate them from the connector.

Terminal Repair

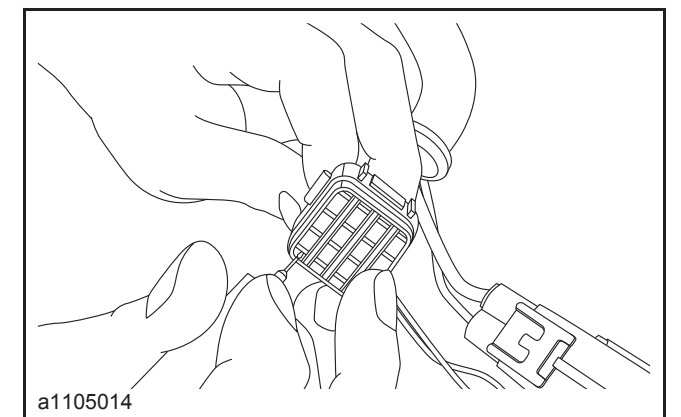
1. Remove the terminal pin.



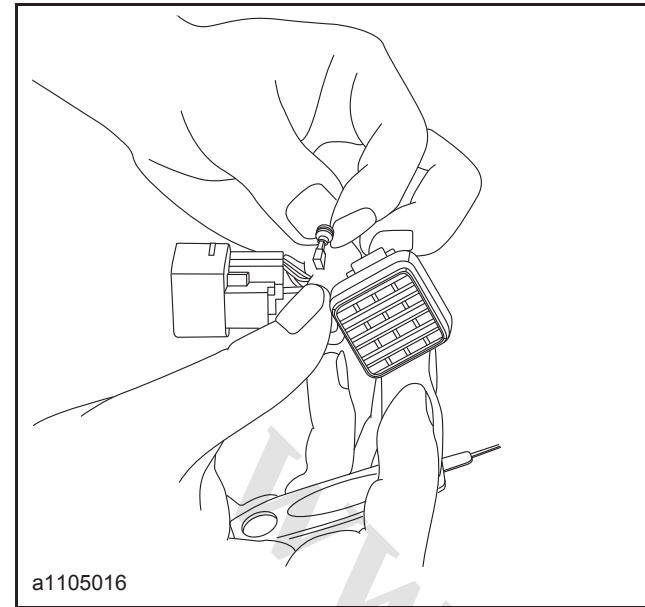
2. Fix the clip with terminal repair tool.



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

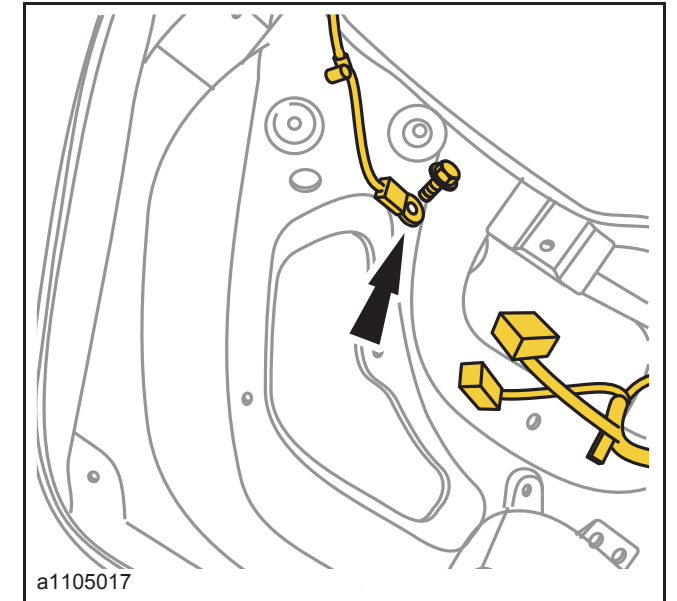


4. Clean and repair the terminals.

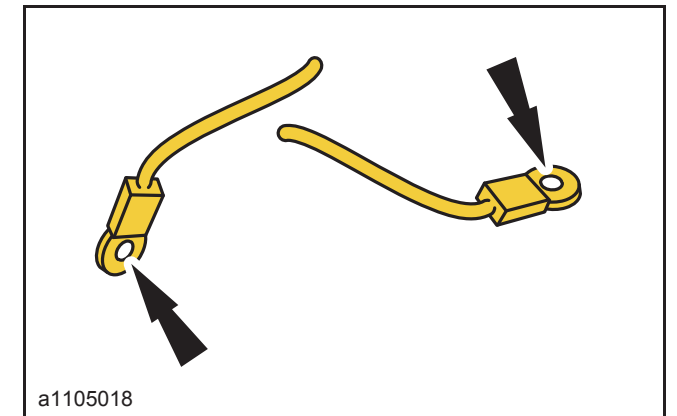


Poor Ground Connection Repair

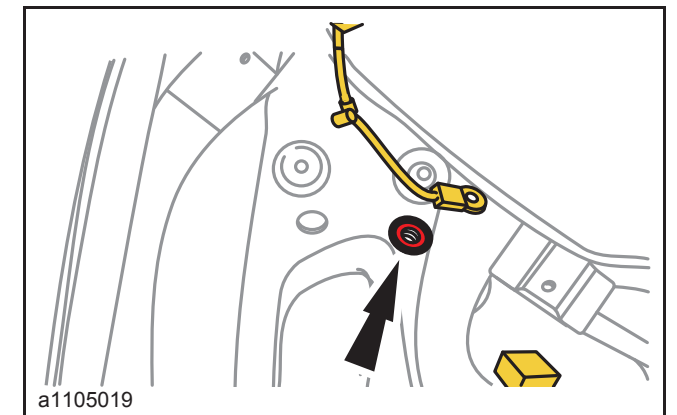
1. Remove the ground bolt.



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



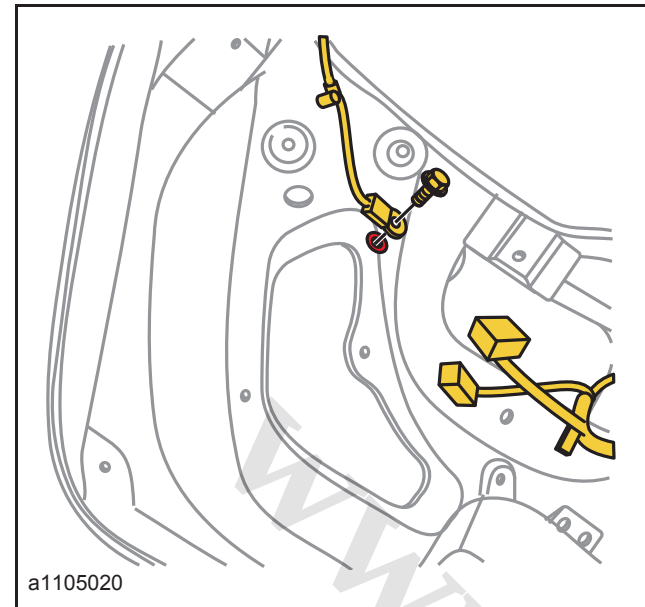
3. Clean the ground surface on the car with grit cloth until it completely clean.



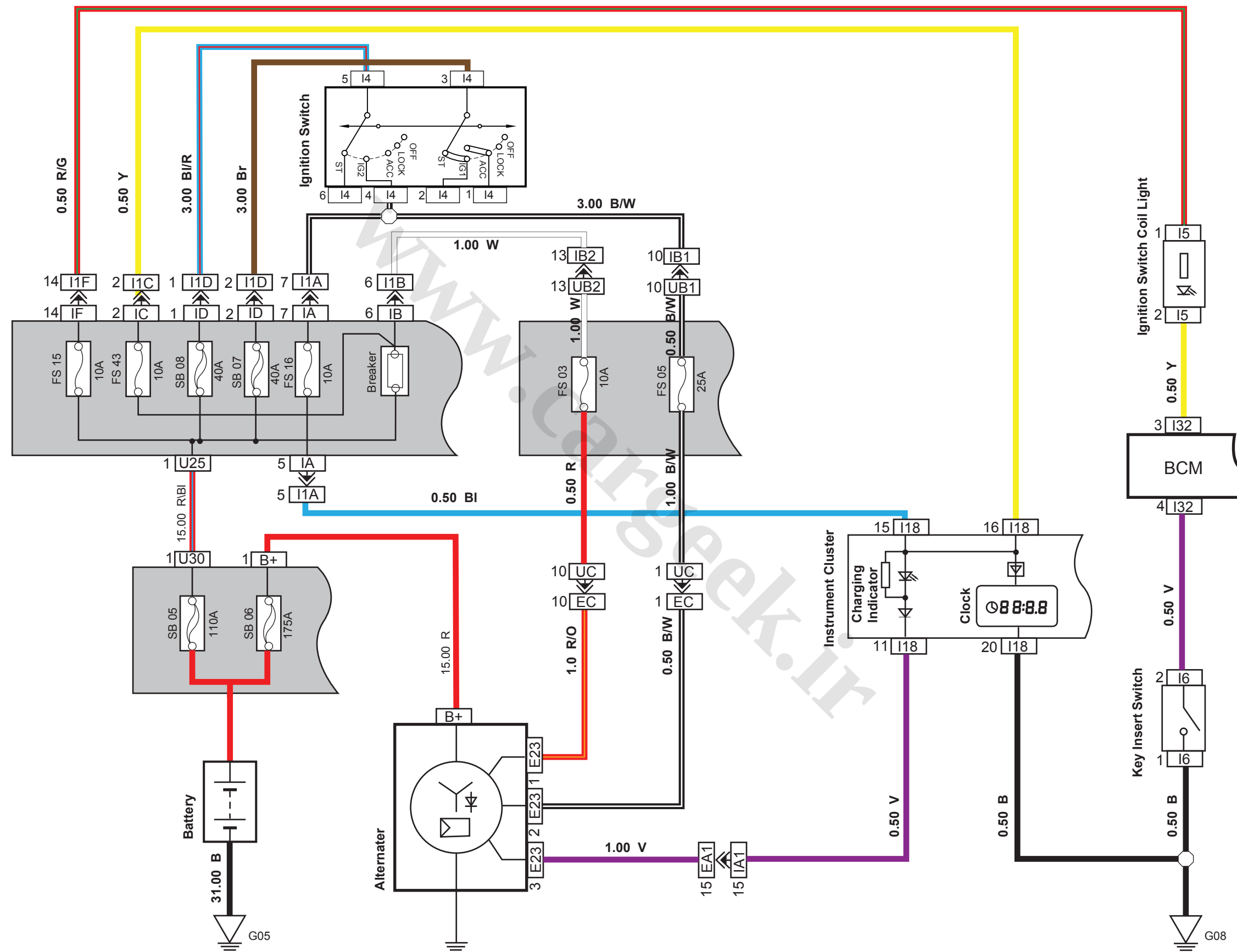
4. Install the harness and the bolt. Tighten to specified torque.

Torque: M6 Bolts 8 Nm

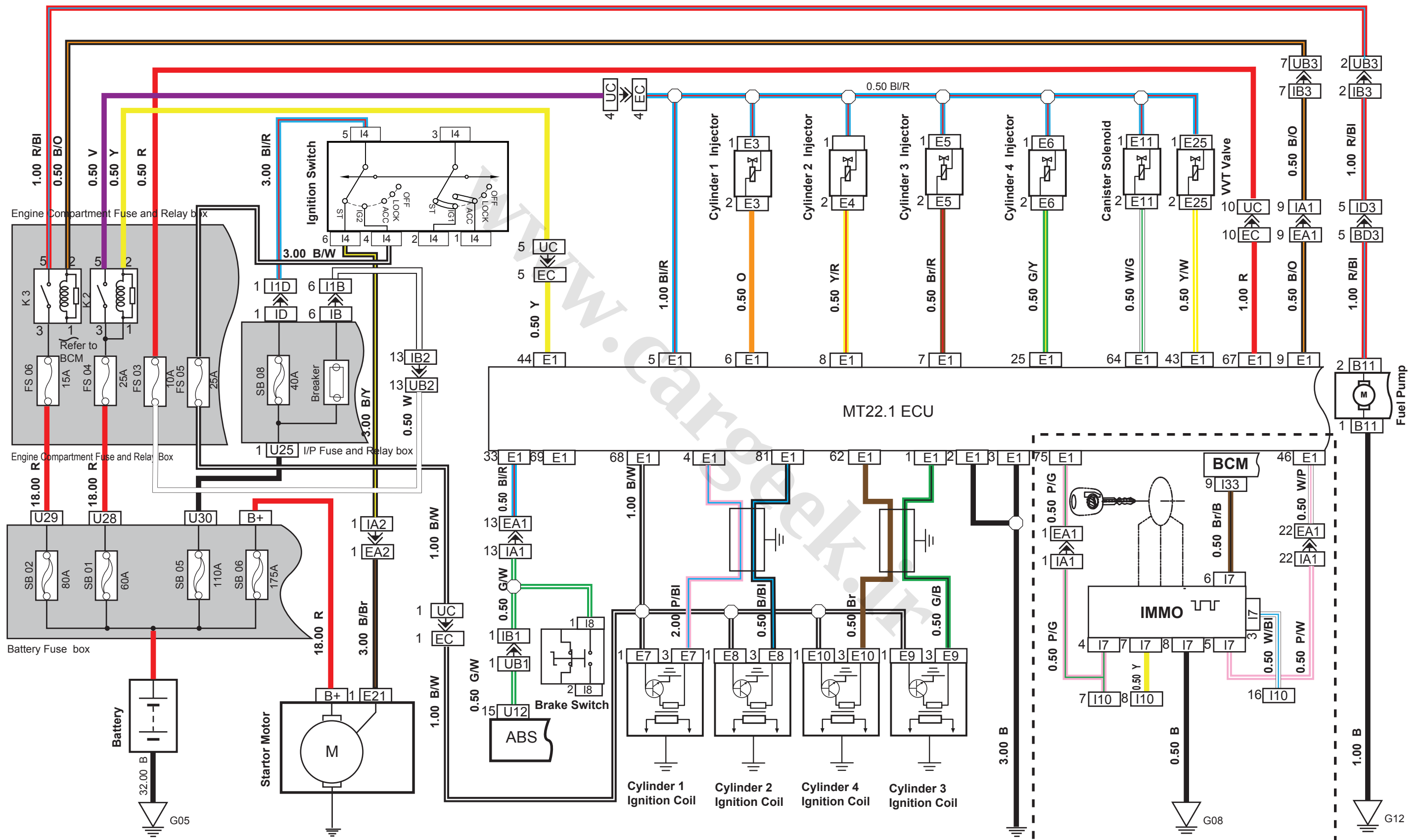
M8 Bolts 20 Nm

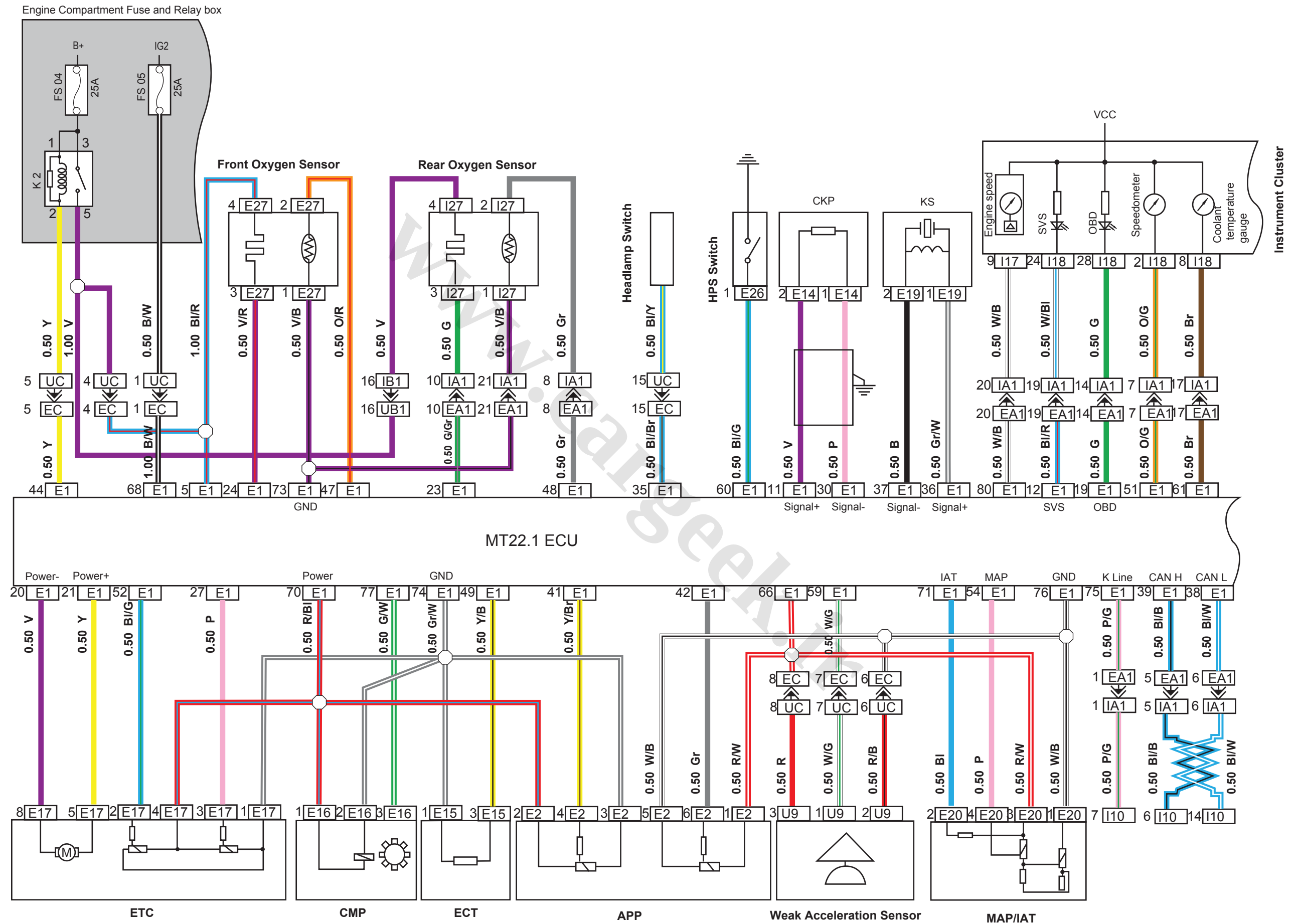


Charging Syatem / Clock / Power

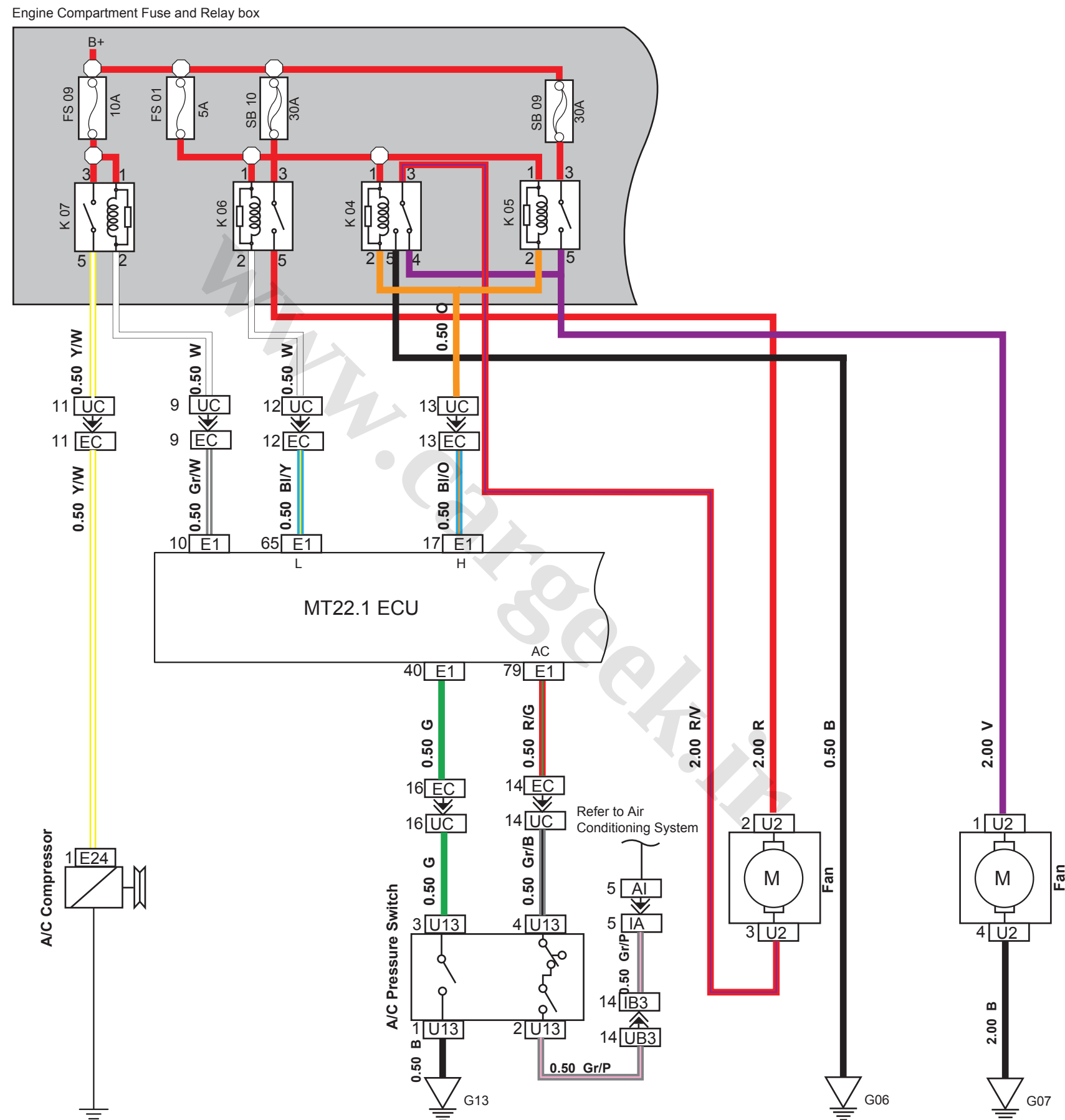


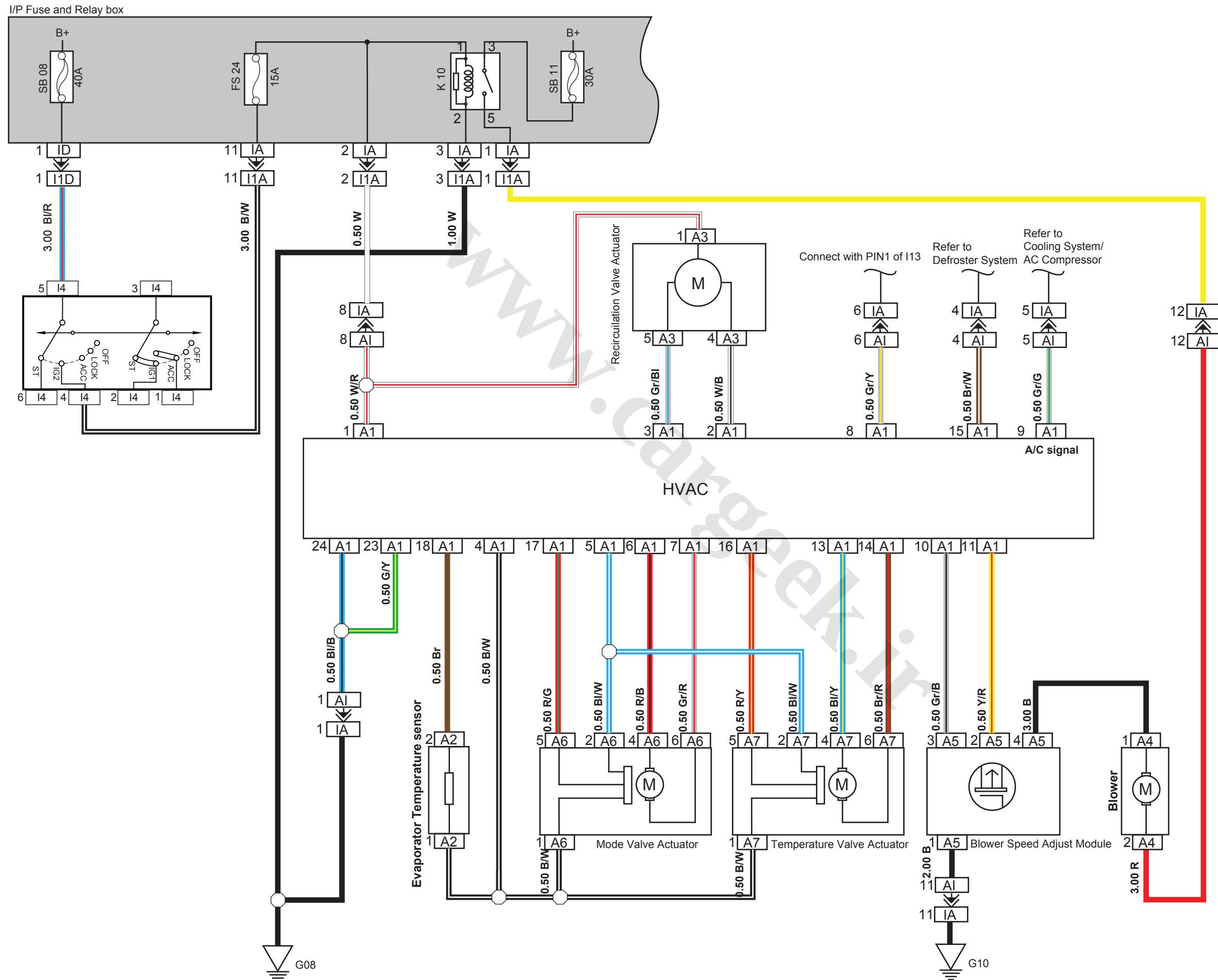
Starting System / Ignition System / Fuel System



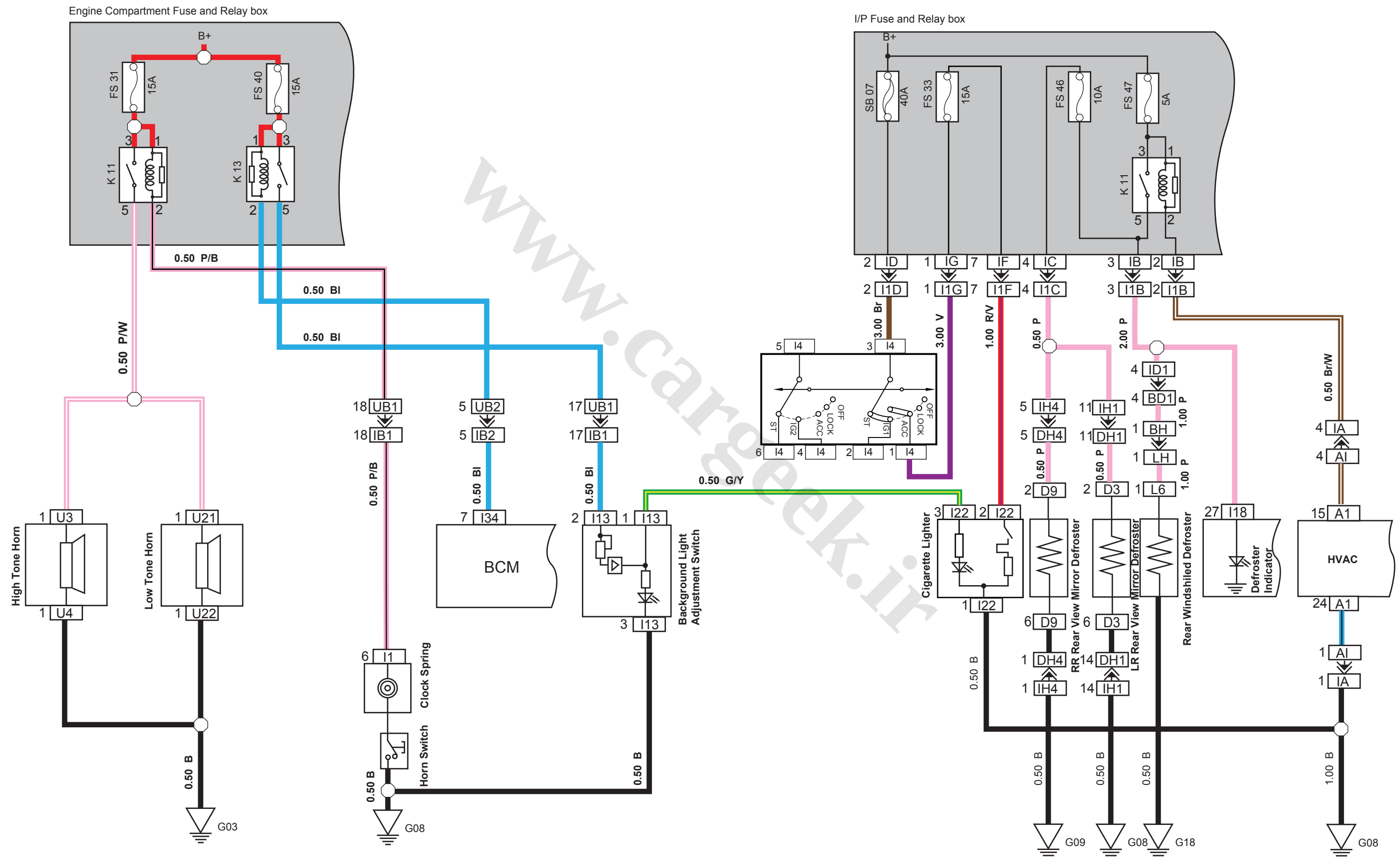


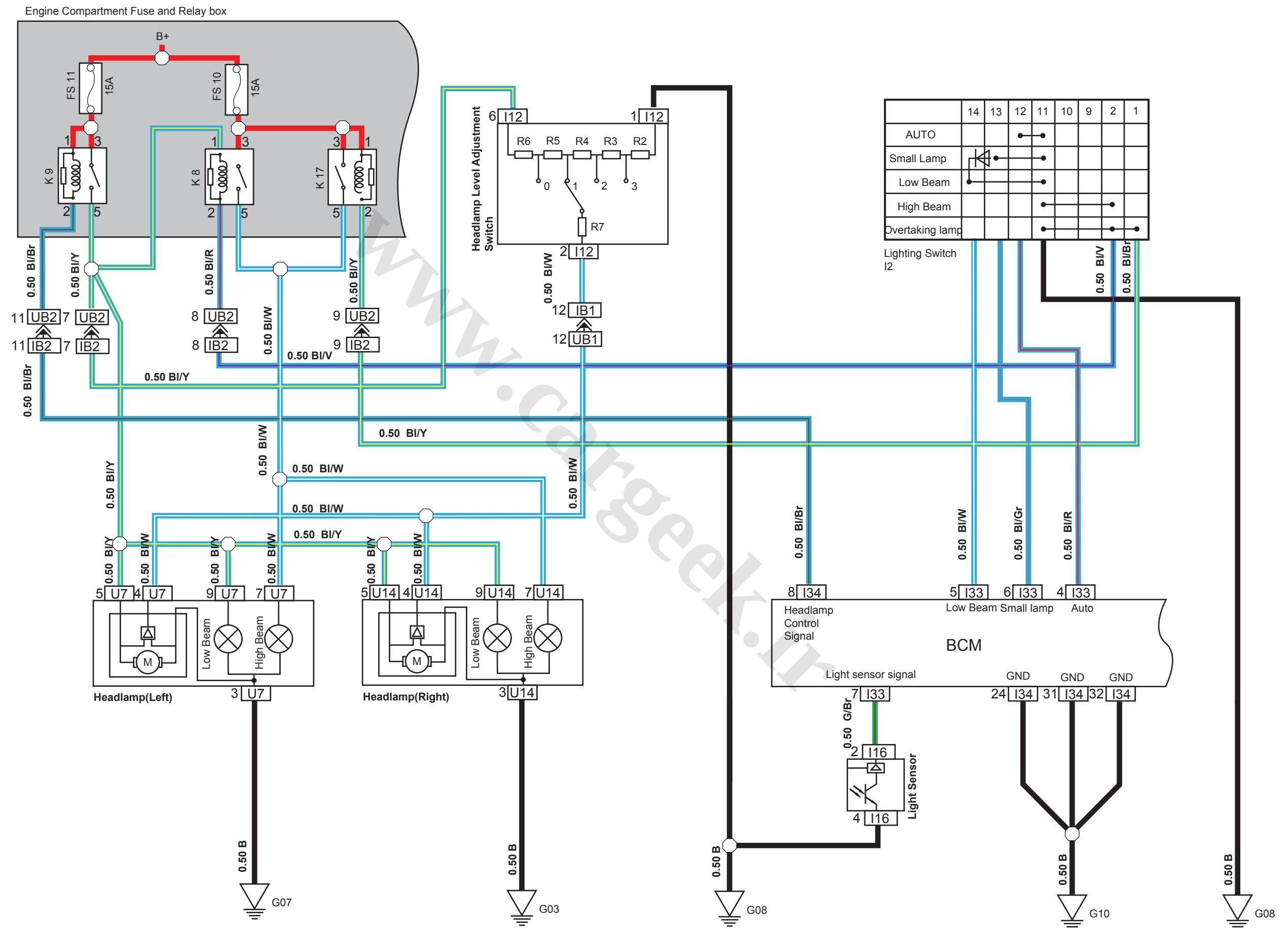
Cooling System / AC Compressor

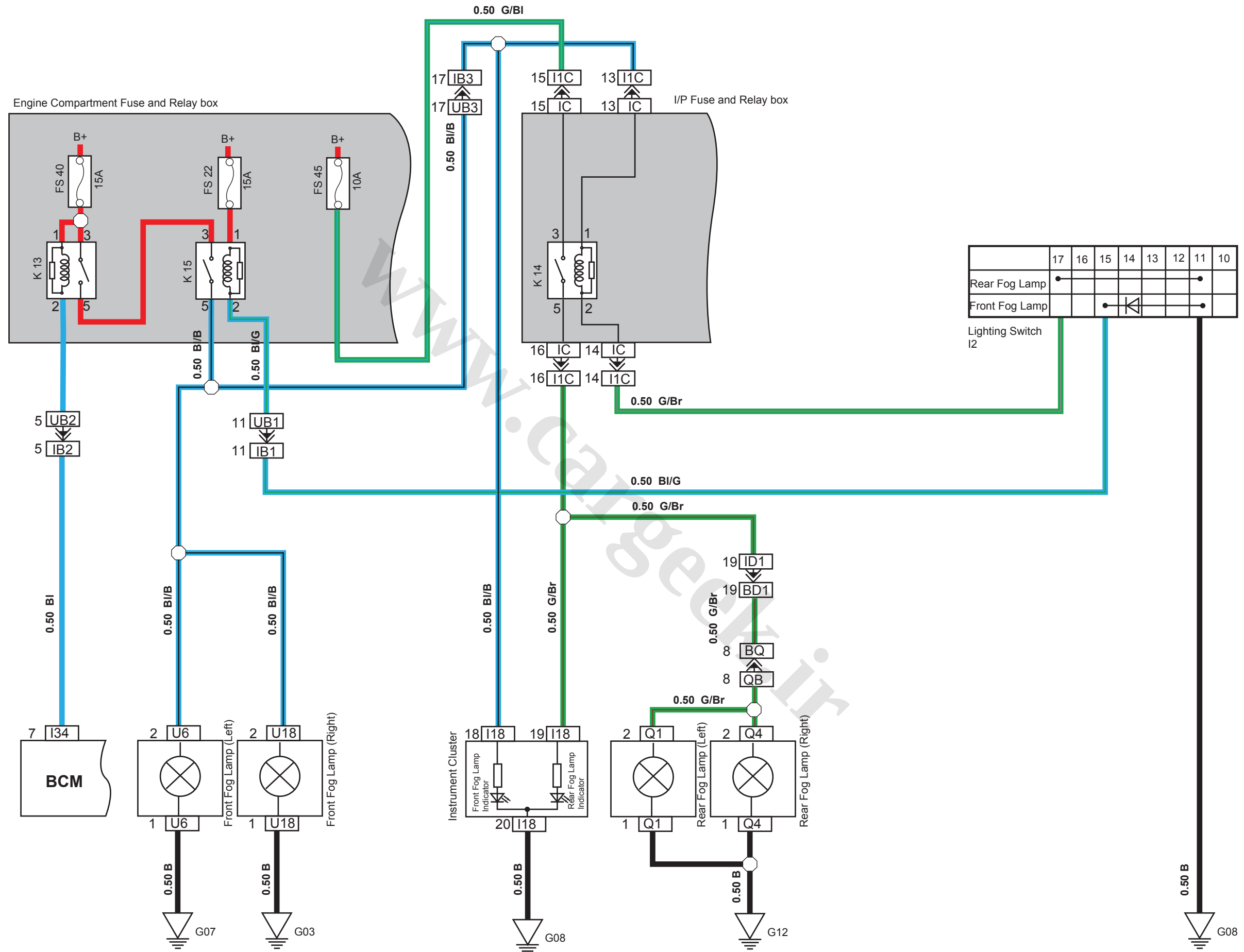




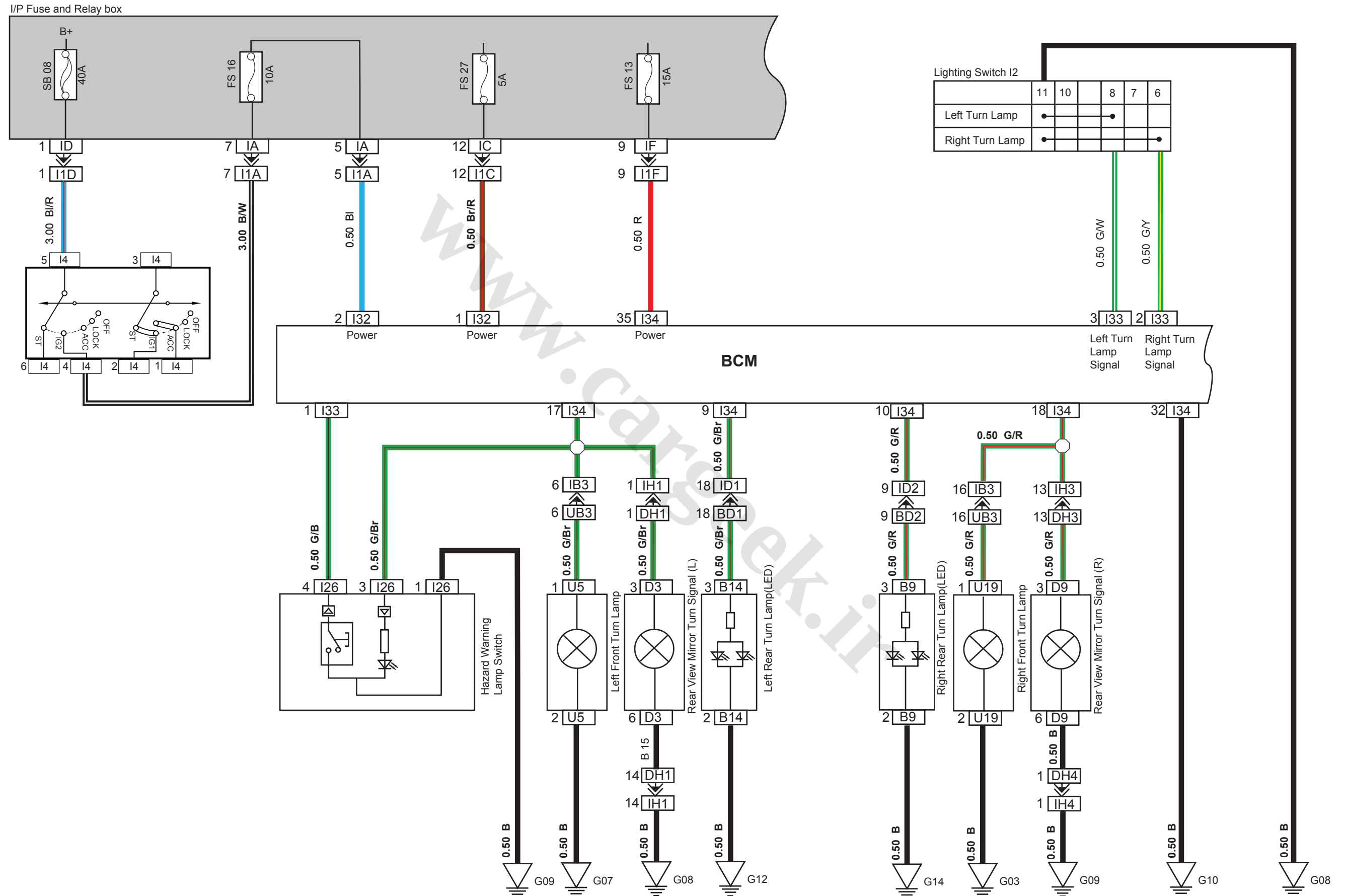
Defroster / Cigarette Lighter / Horn

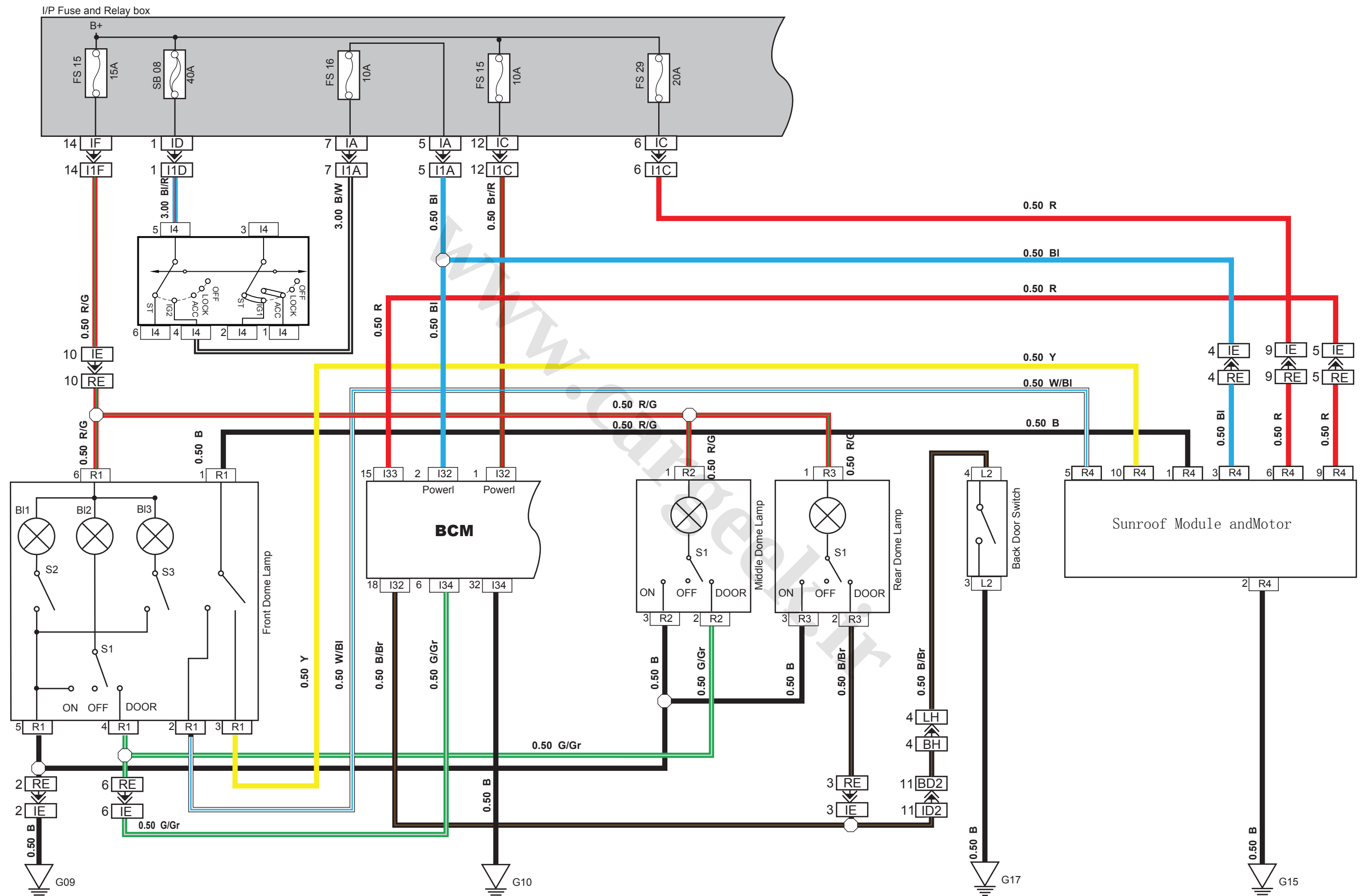






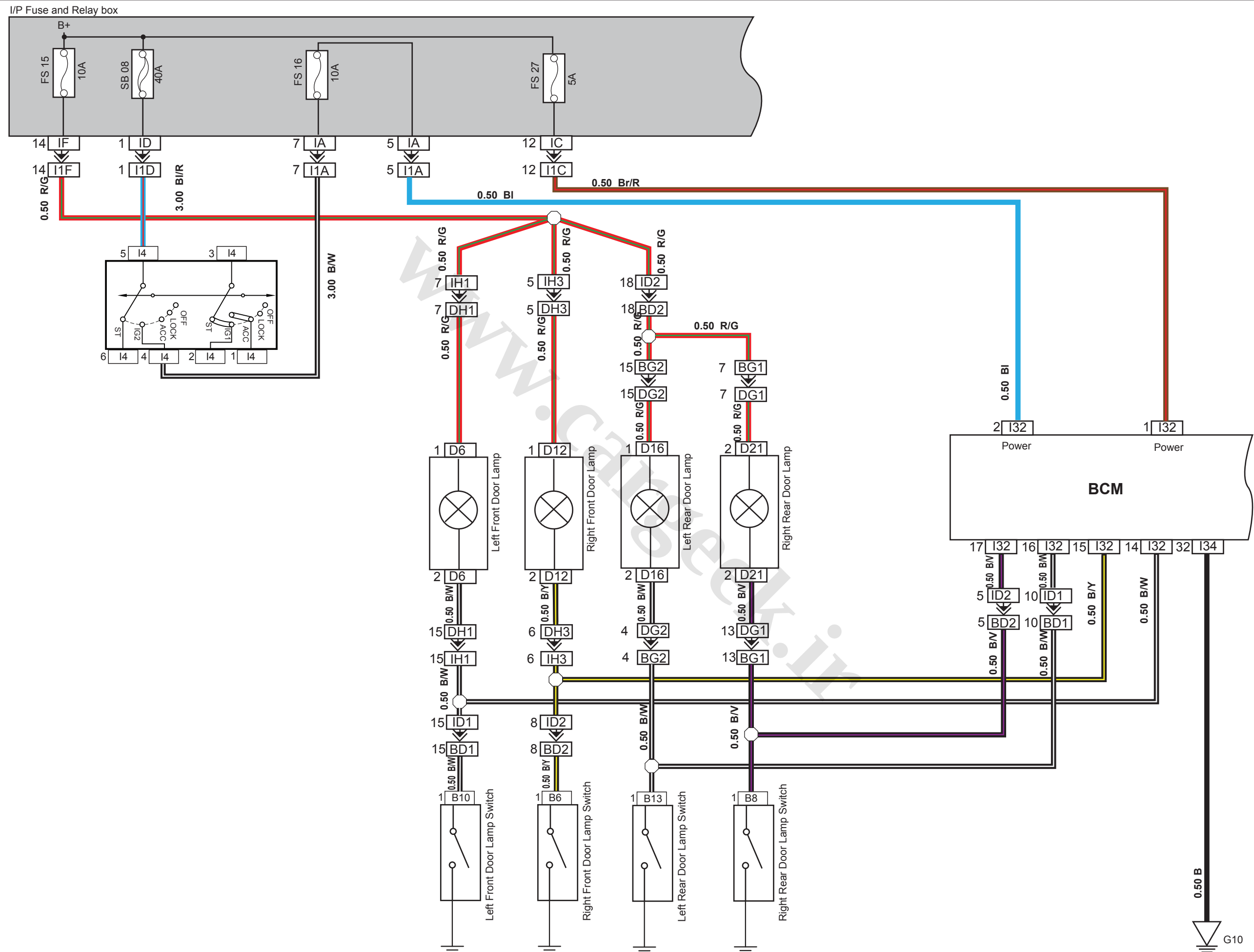
Left and Right Turn Lamp / Hazard Warning Lamp





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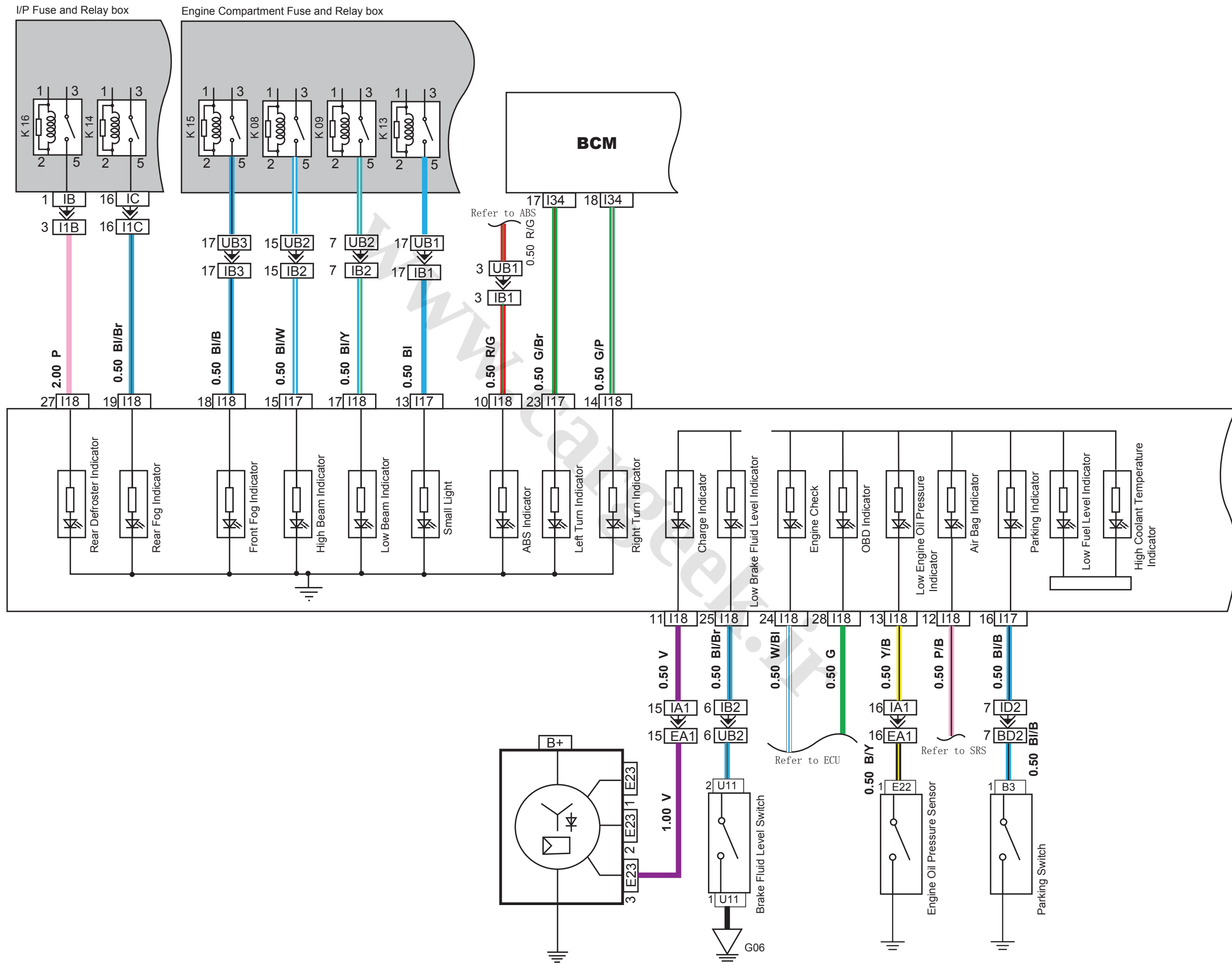
Door Lamps



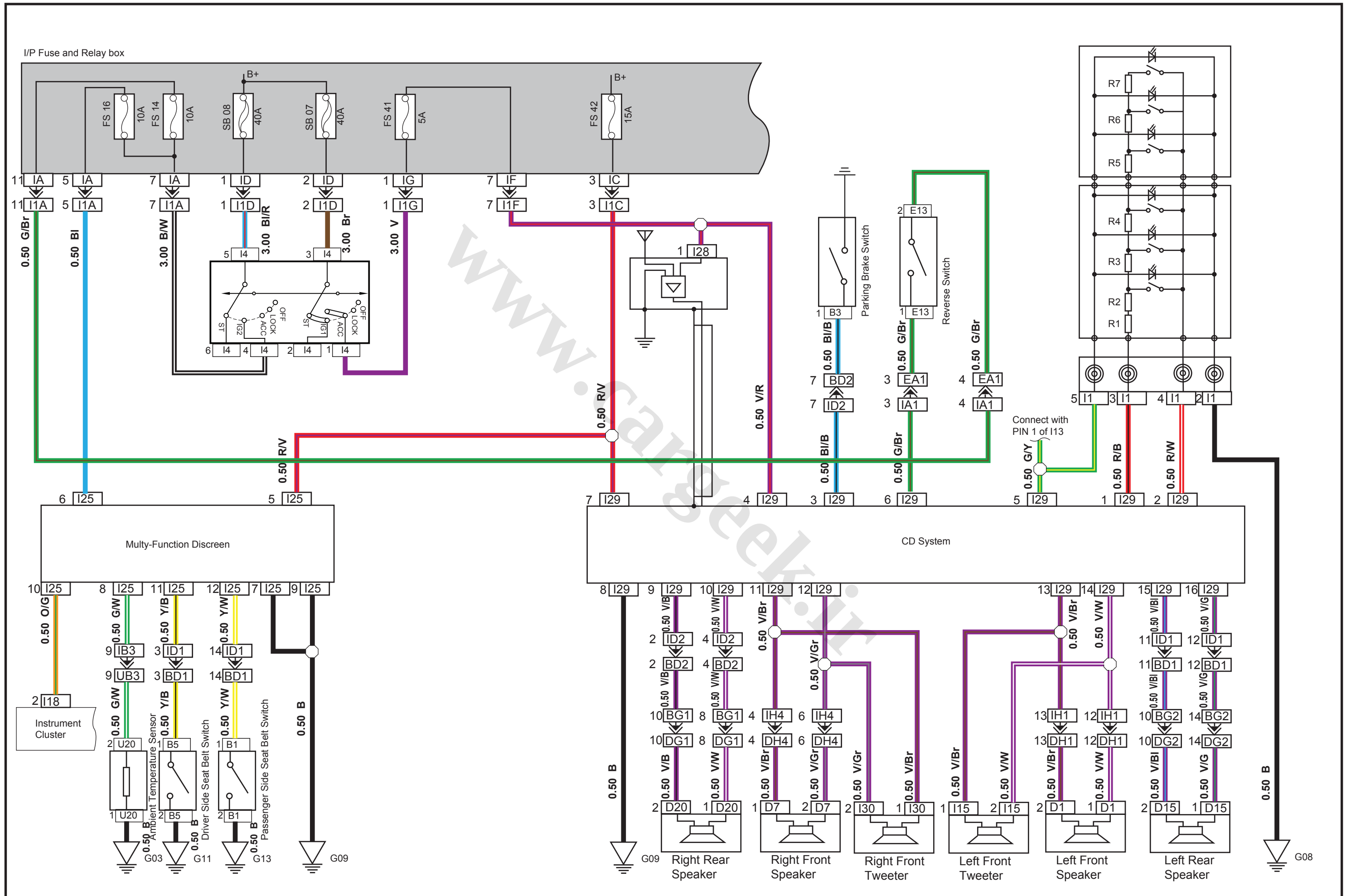


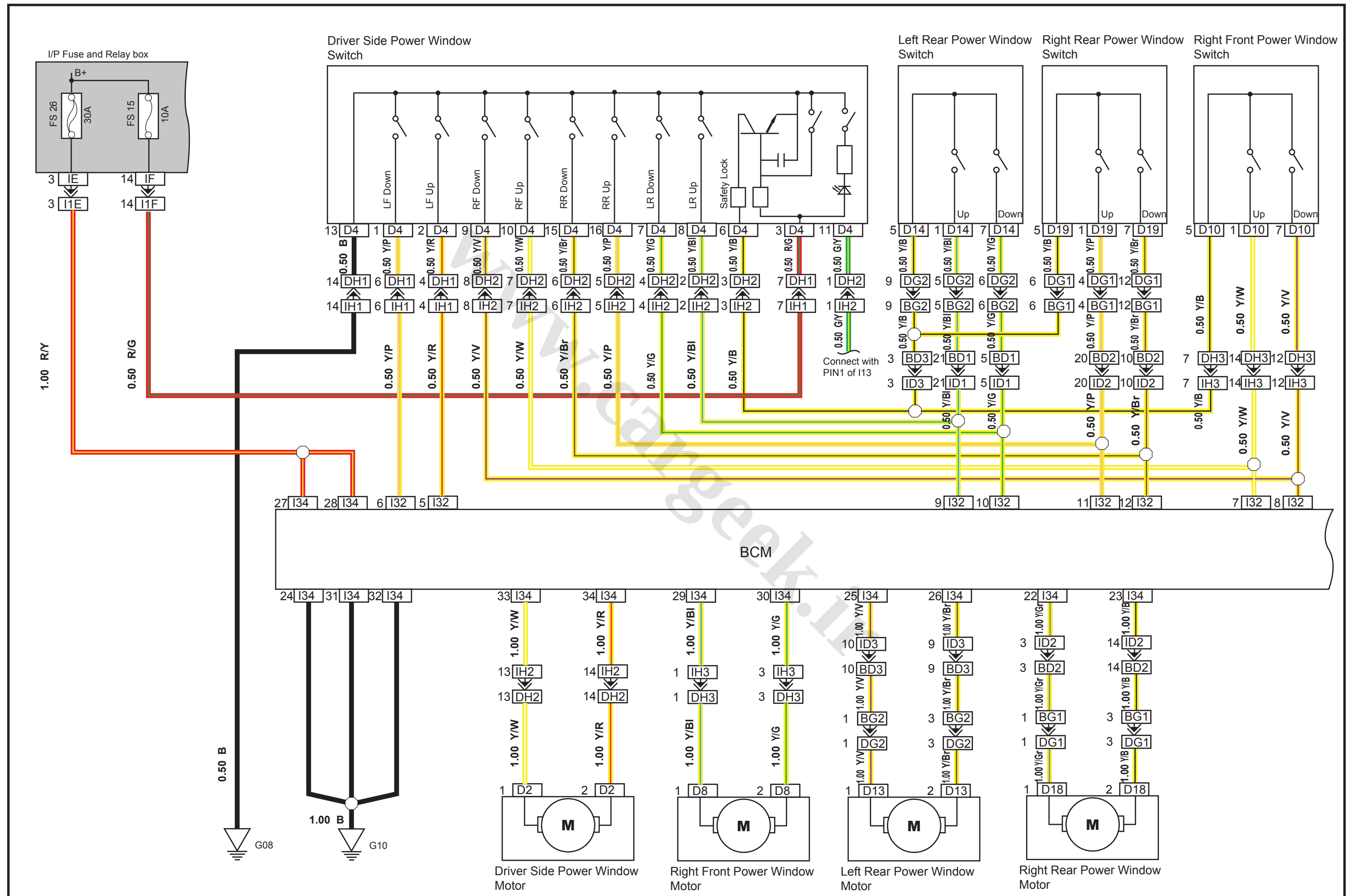


www.CarGeek.ir
Instrument Cluster (II)

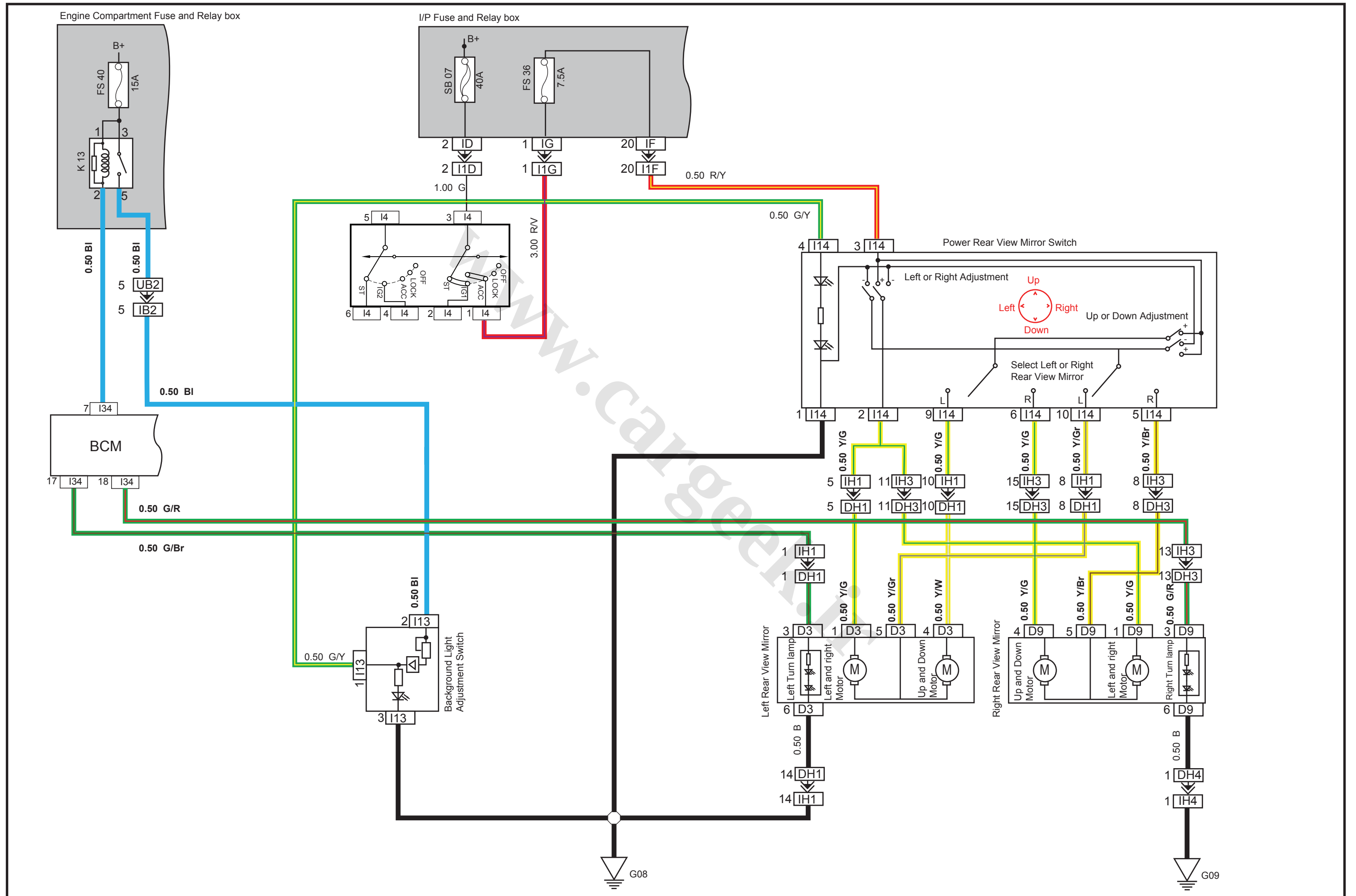


CD System / Multy-Function Discreen

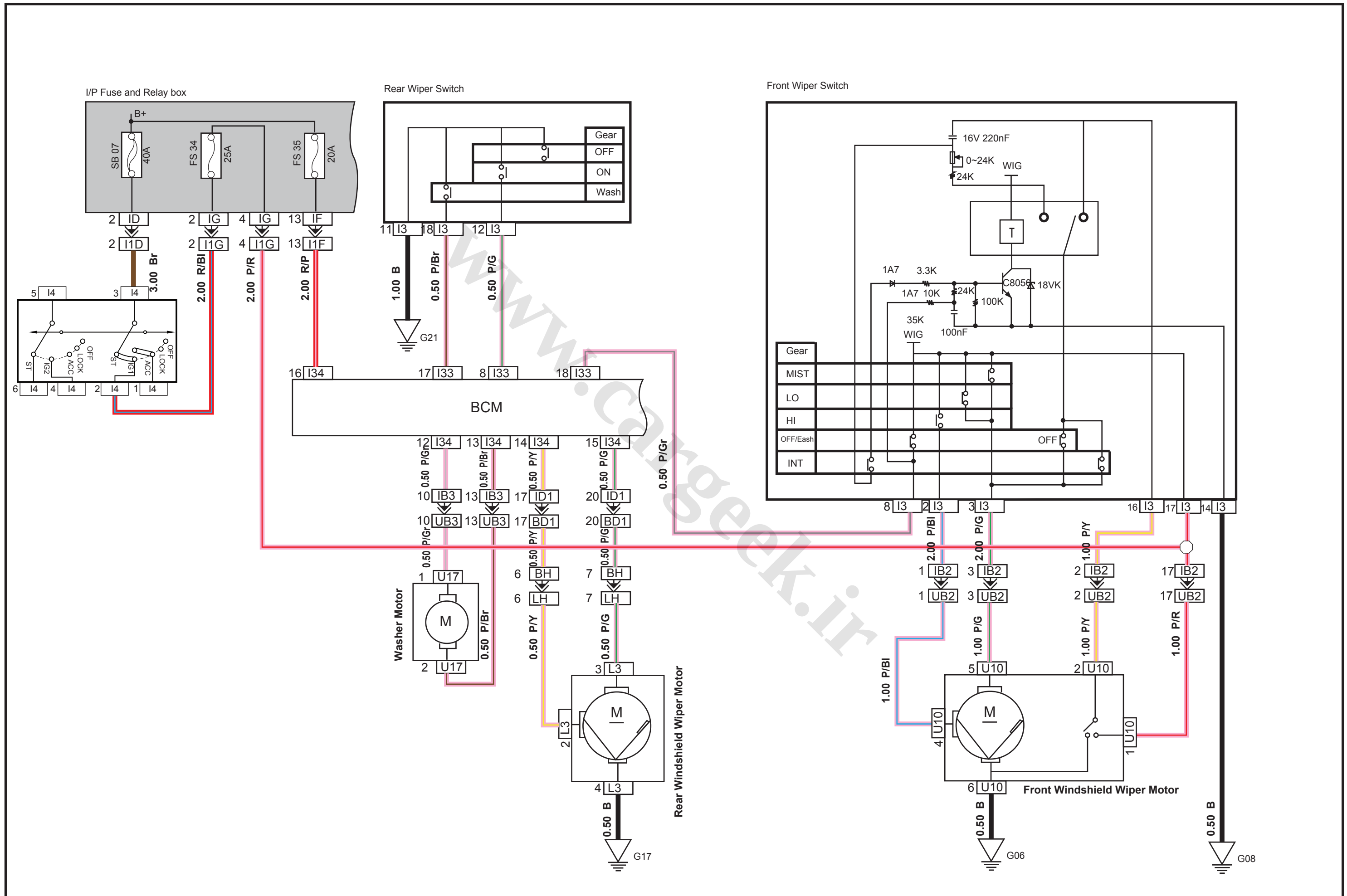




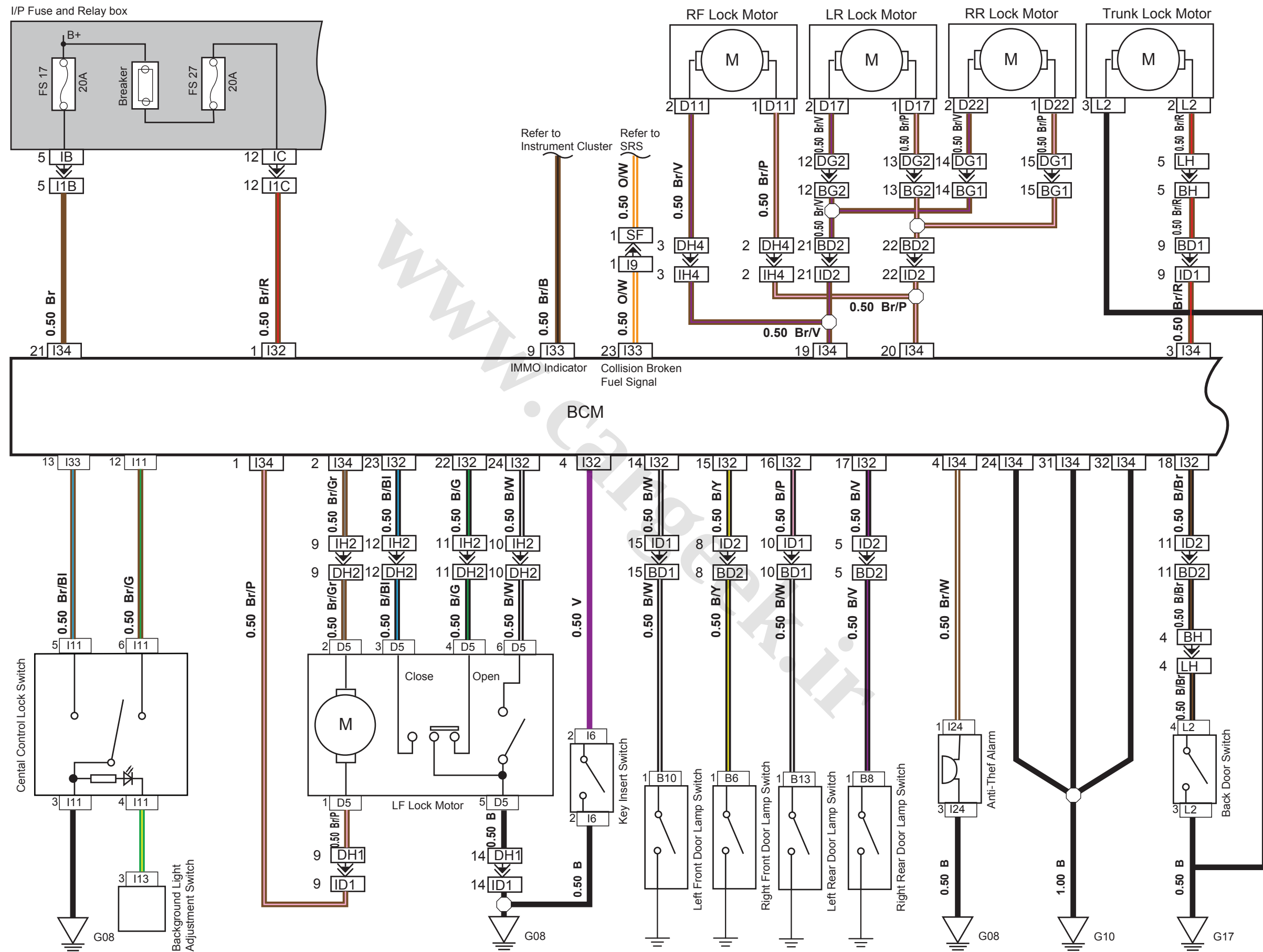
Power Rear View Mirror



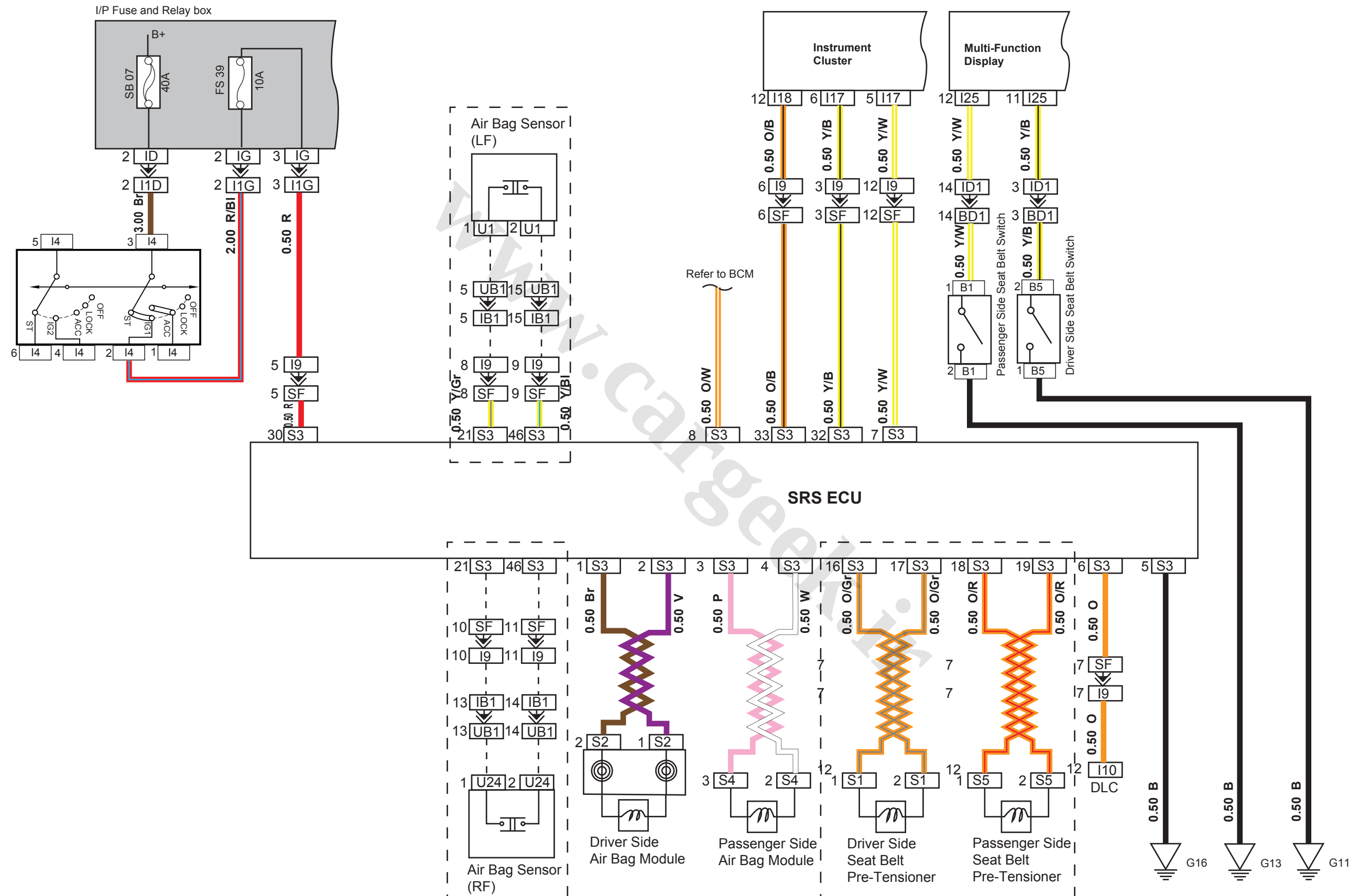
Wiper and Washer System



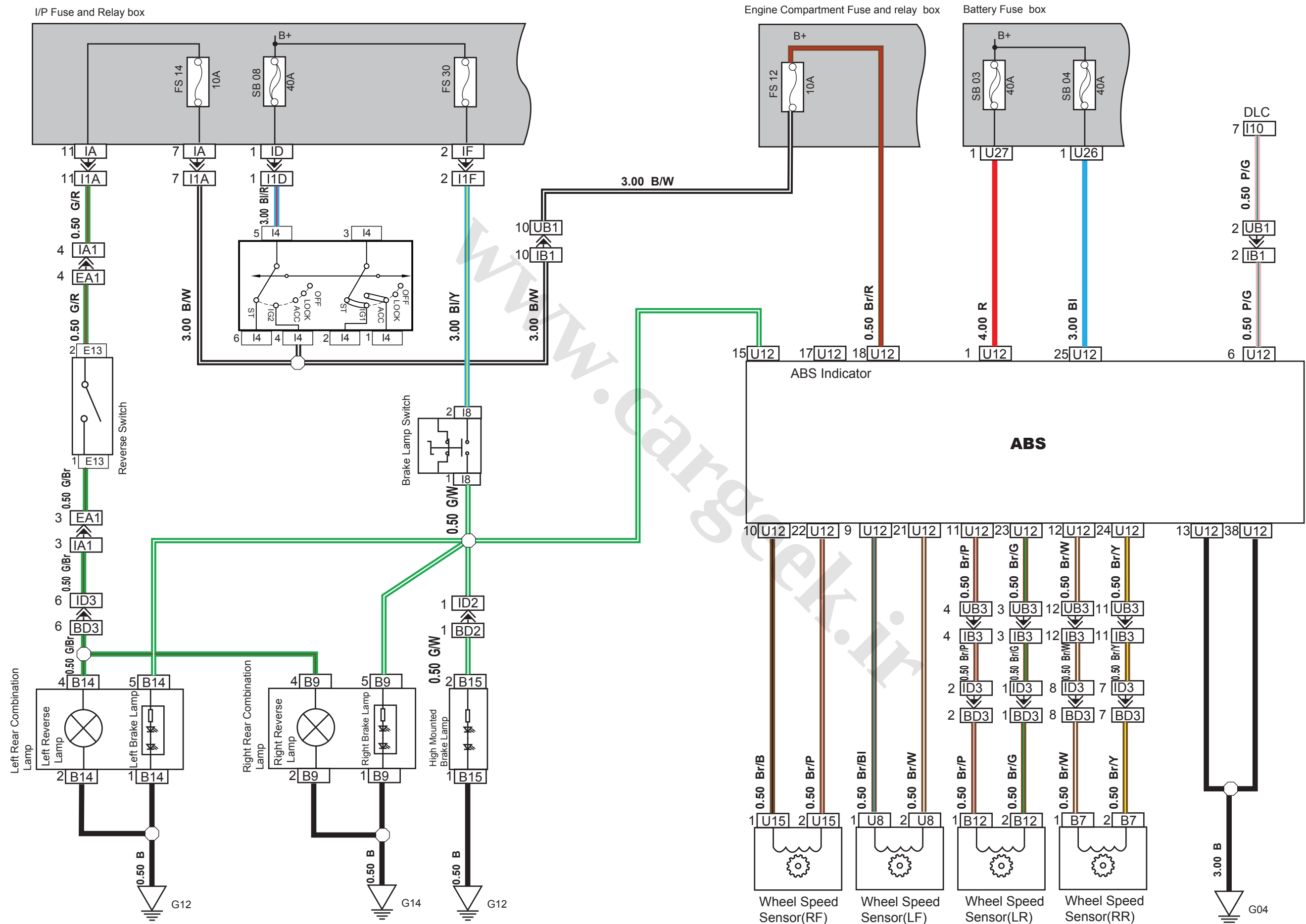
Central Lock and Theft-Deterrent System



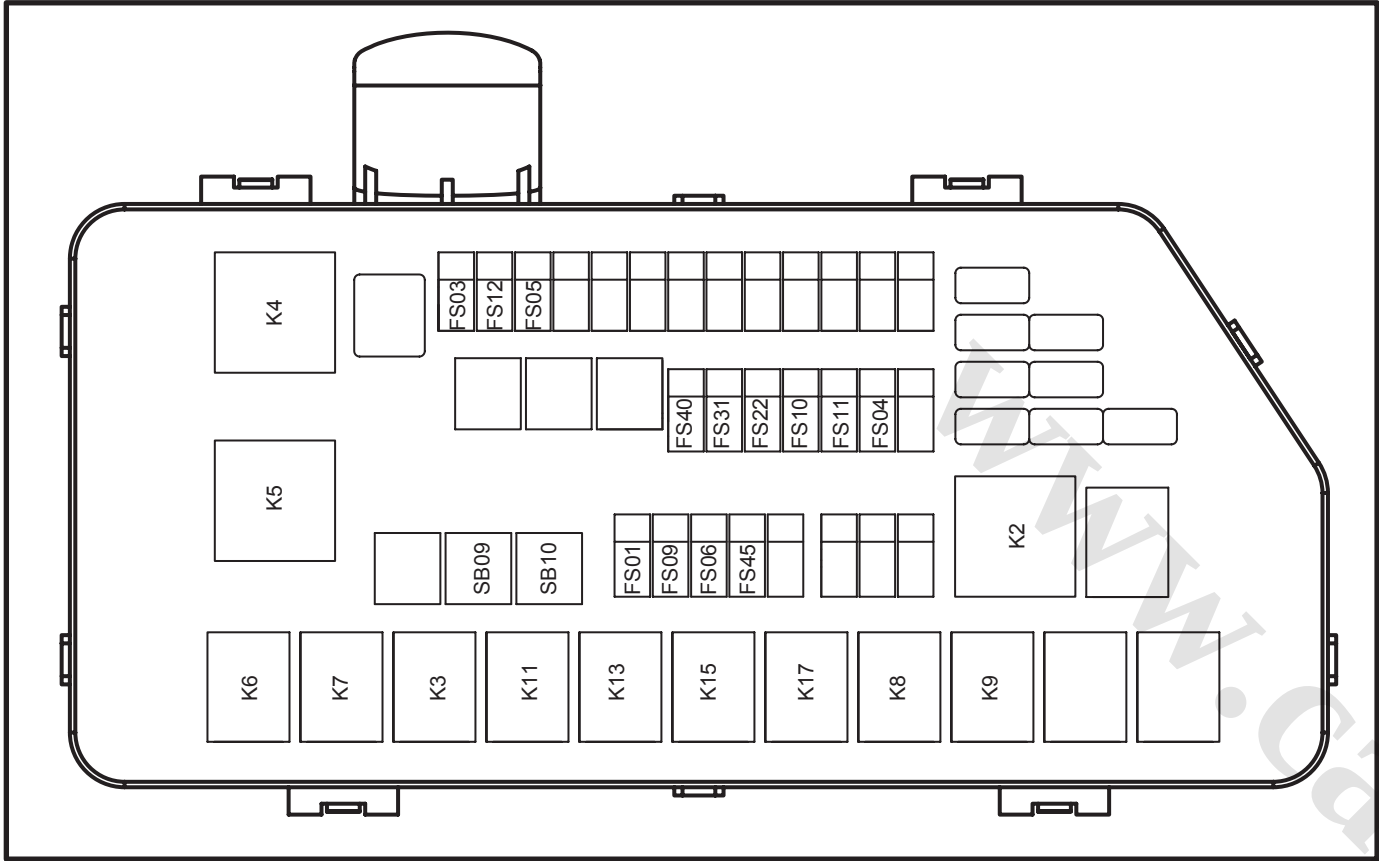
Supplemental Restraint System



ABS / Brake Lamp / Parking Lamp / Reverse Lamp



Engine Compartment Fuse and Relay Box



Relay

Code	Application	Description
K2	Main Relay	
K3	Fuel Pump Relay	
K4	SPD Regulation Relay	
K5	Main Fan Relay	
K6	Minor Fan Relay	
K7	A/C Compressor Relay	
K8	High Beam Relay	
K9	Low Beam Relay	
K11	Horn Relay	
K13	Small Light Relay	
K15	Front Fog Relay	
K17	Overtaking Lamp Relay	

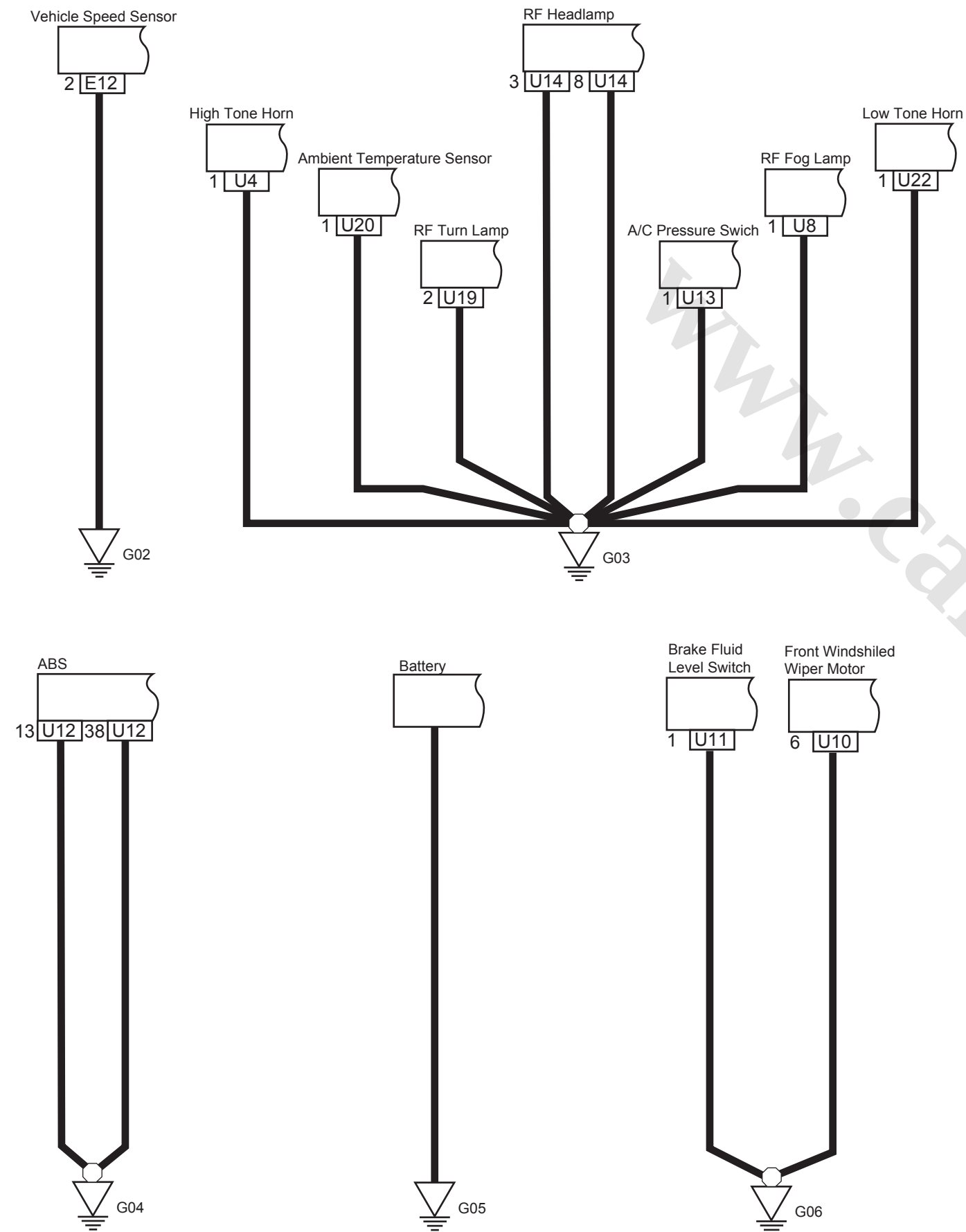
Fuse

Code	Application	Rated Current (A)	Description
SB09	Main Fan Fuse	30A	
SB10	Minor Fan Fuse	30A	
FS01	Fan Fuse	5A	
FS03	ECU Fuse	10A	
FS04	Main Relay Fuse	25A	
FS05	IG2 Power Fuse	25A	
FS06	Fuel Pump Fuse	15A	
FS09	A/C Compressor Fuse	10A	
FS10	Overtaking/High Beam Lamp Fuse	15A	
FS11	Low Beam Lamp Fuse	15A	
FS12	IG2 Power Fuse	10A	
FS22	Front Fog Fuse	15A	
FS31	Horn Fuse	15A	
FS40	Small Light Fuse	15A	
FS45	Rear Fog Fuse	10A	

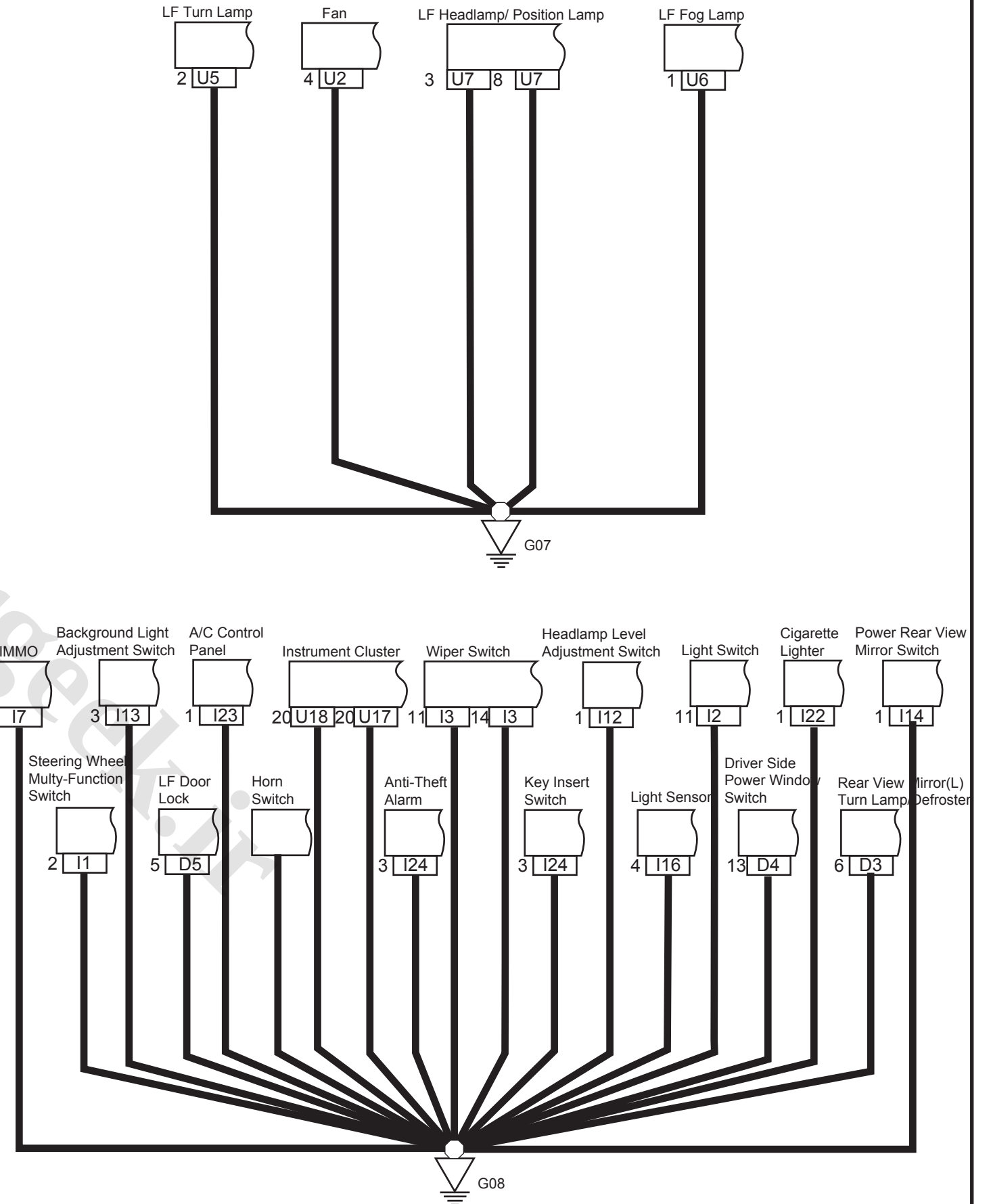
[illegible]

Code	Application	Rated Current (A)	Description
FS42	CD/DVD	15A	
FS43	Instrument Cluster	10A	
FS20	IMMO	10A	
FS27	BCM	5A	
FS29	Sunroof	20A	
FS46	Rearview Mirror Defroster	10A	
FS47	Rear Defroster	25A	
FS17	Control Lock	20A	
FS14	Reverse Lamp	10A	
FS16	Multi-function Discreen	10A	
FS37	Seat Heating	15A	
FS24	A/C	15A	
FS39	SRS	15A	
FS34	Front Wiper	25A	
FS21	IMMO	5A	
FS33	Cigarette Lighter	15A	
FS36	Rearview Mirror	7.5A	
FS41	CD/DVD	5A	
FS15	Dome Lamp	10A	
FS35	Rear Wiper	20A	
FS13	Turn Lamp	15A	
FS30	Brake Lamp	10A	
FS32	Spare Power	15A	
FS26	Power Windows	30A	
SB11	Blower	30A	
SB07	AM1	40A	
SB08	AM2	40A	

G02/G03/G04/G05/G06

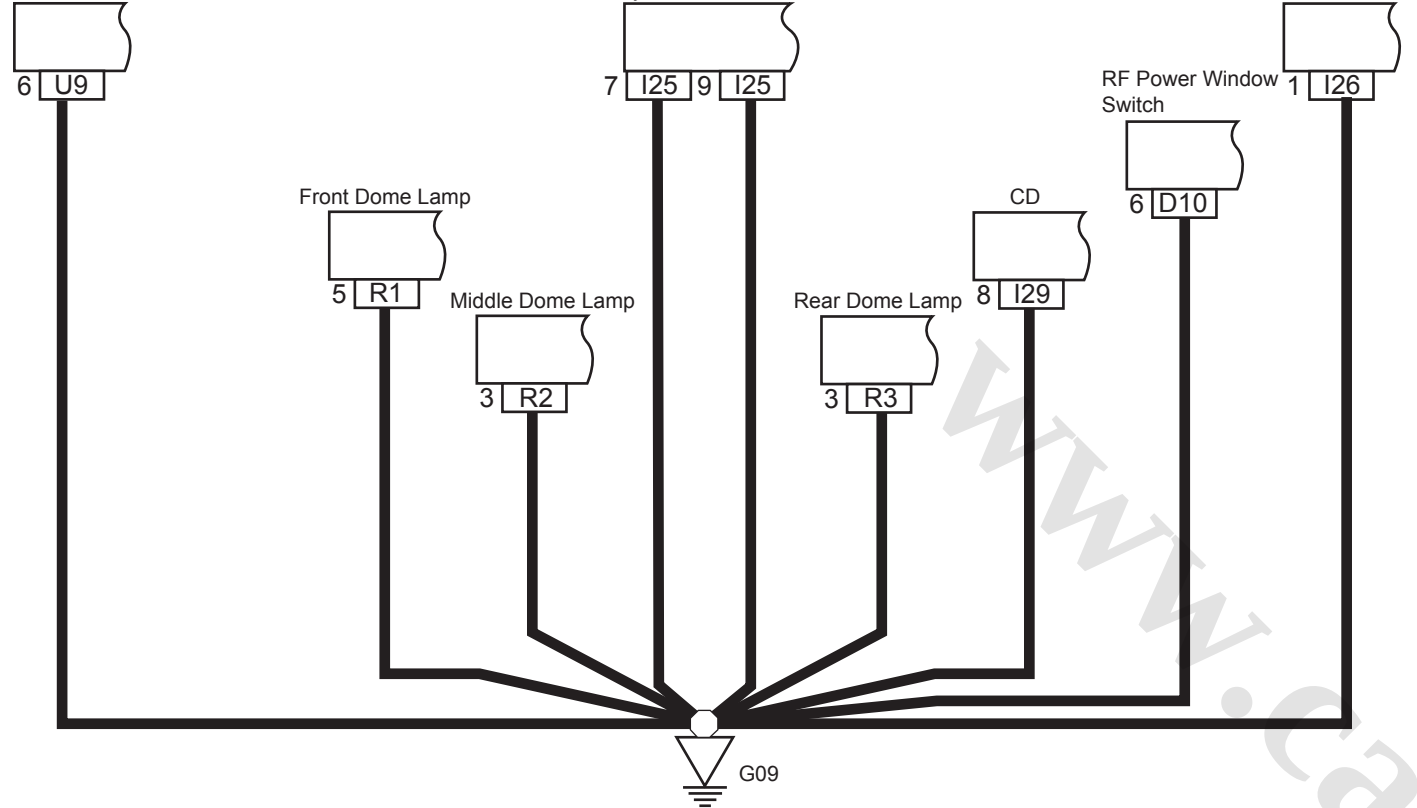


G07/G08



G09/G10/G11

Rear View Mirror(R)
Turn Lamp/Defroster



G12/G13/G14/G15

LR Fog lamp

RR Fog Lamp

Fuel Pump

LR Combination Lamp

High Mounted
Brake Lamp

1 Q1

1 Q4

1 B11 3 B11

1 B14 2 B14

1 B15

RR Power
Window Switch

Passenger Side
Seat Belt Switch

RR Combination Lamp

Sunroof

6 D19

2 B1

1 B9 2 B9

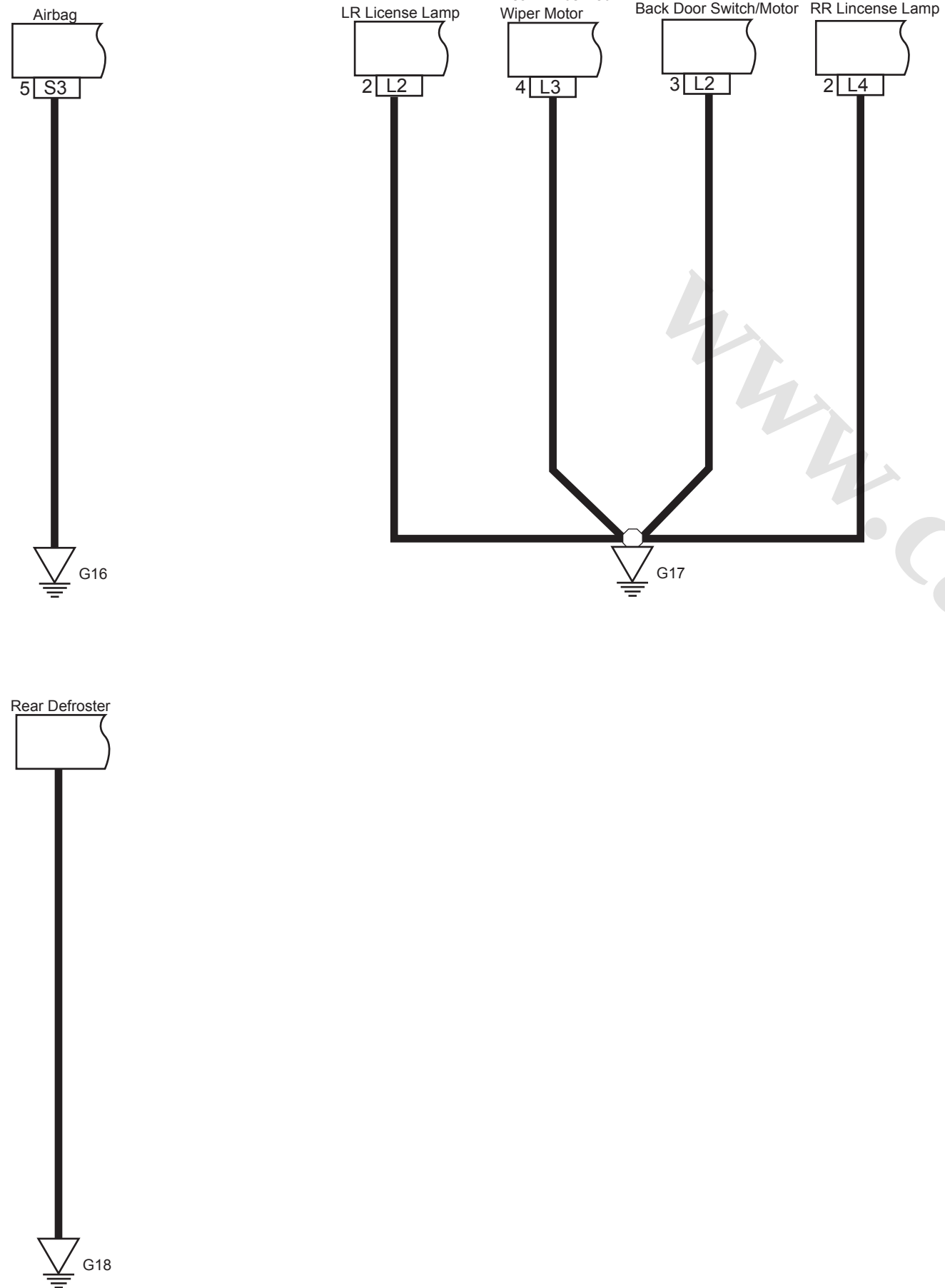
2 R4

G13

G14

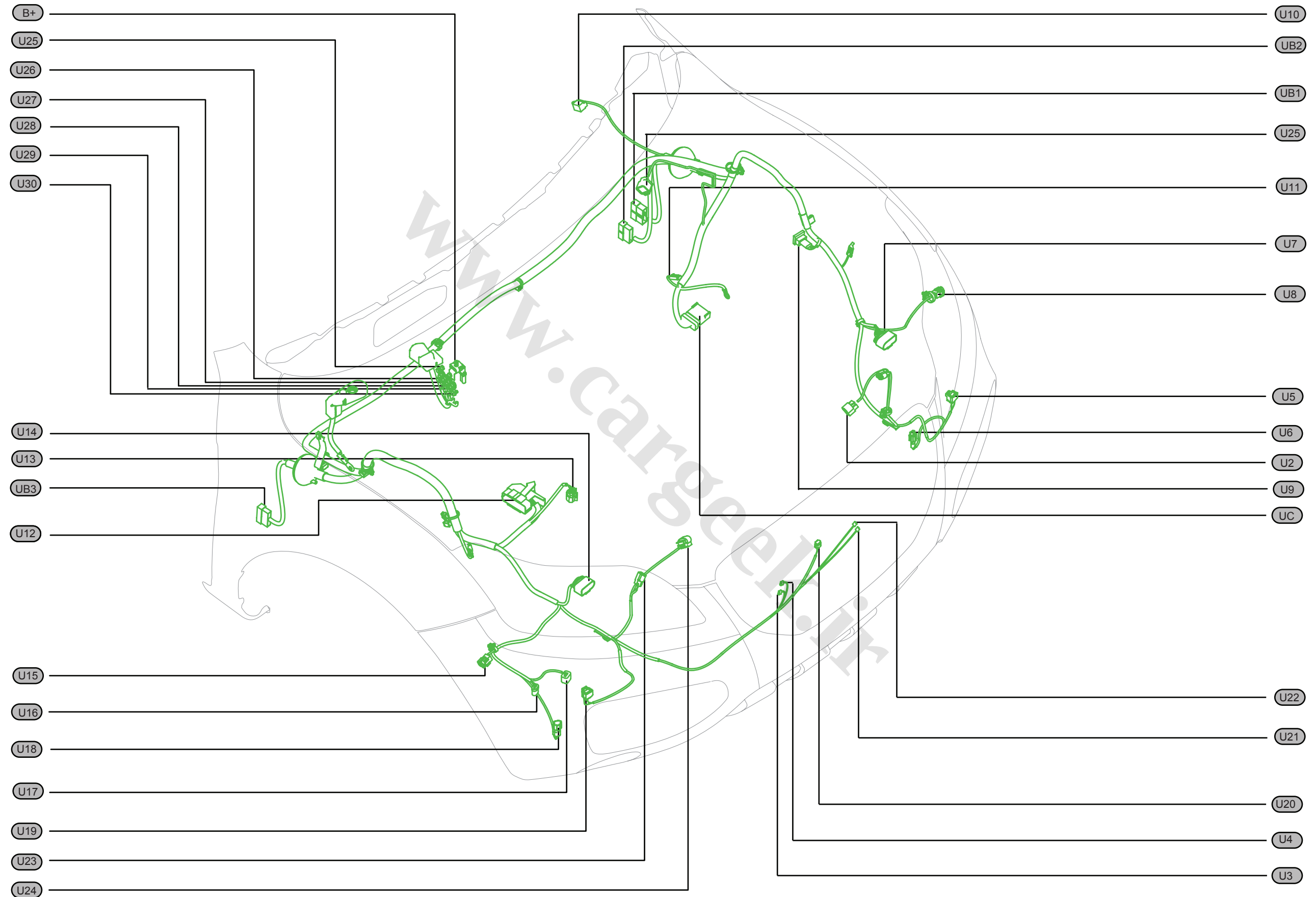
G15

G16/G17/G18



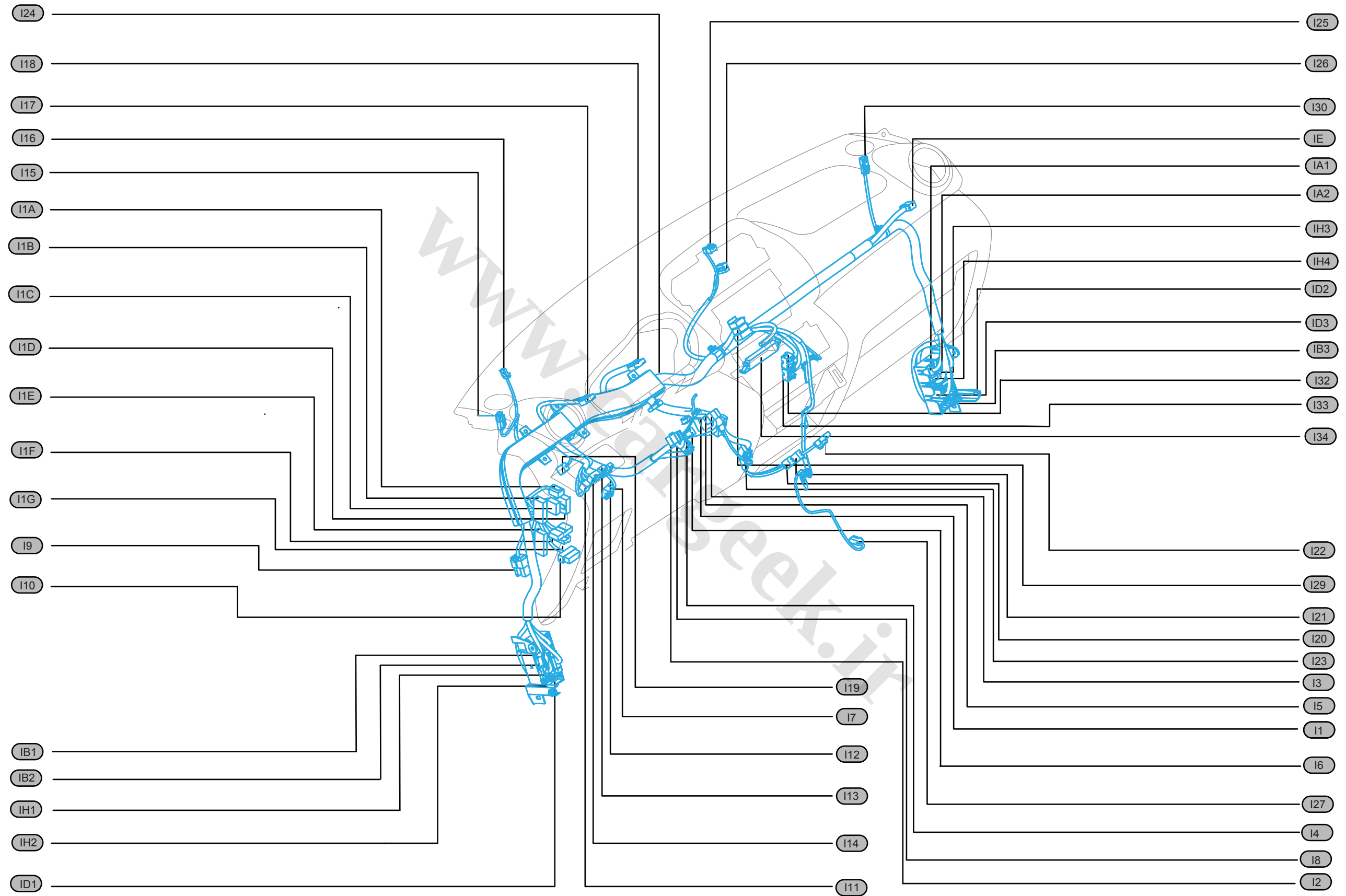
Harness Connector Location View

Engine Comaprtment Harness Connector Location View



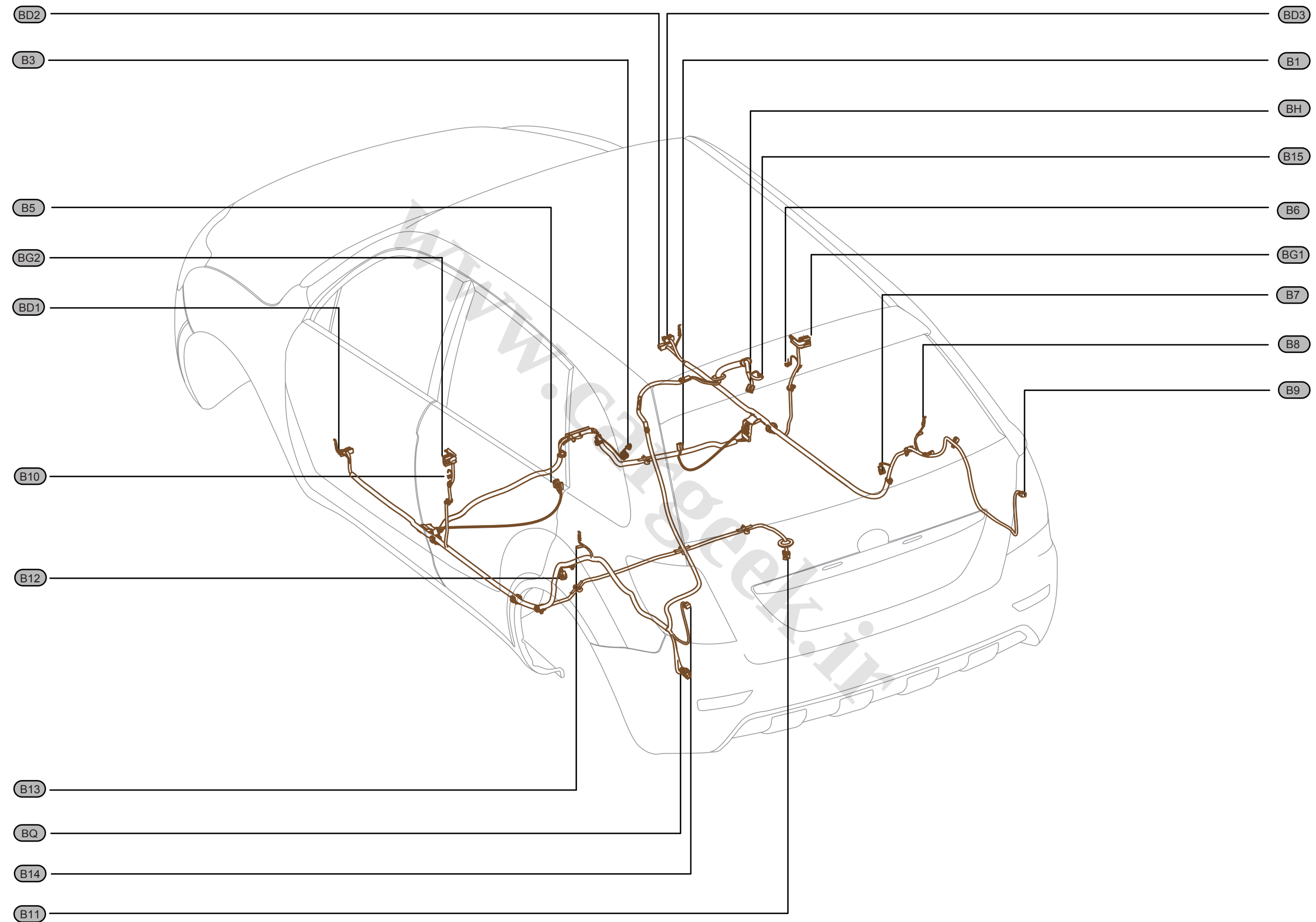
Harness Connector Location View

I/P Harness Connector Location View



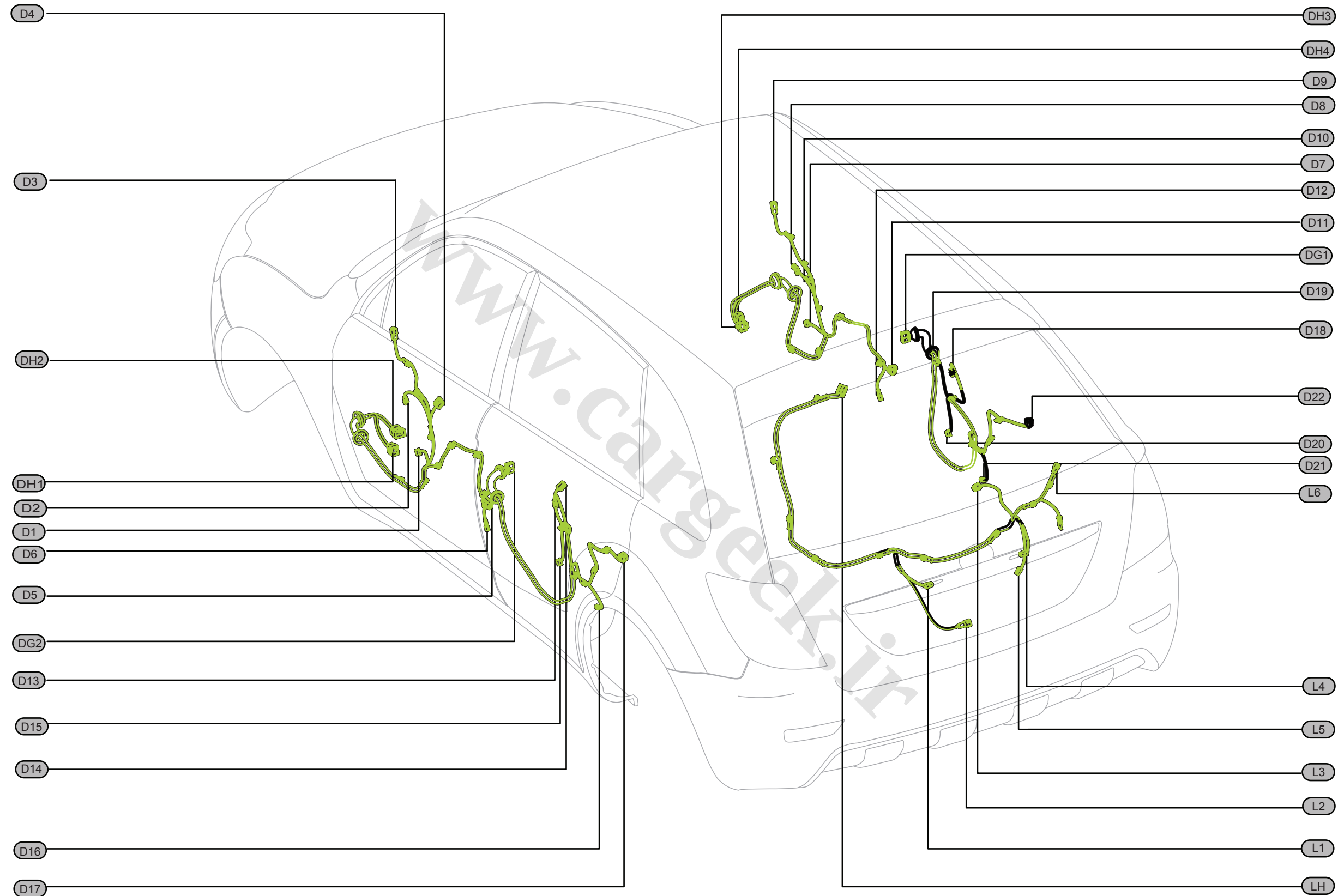
Harness Connector Location View

Body Harness Connector Location View



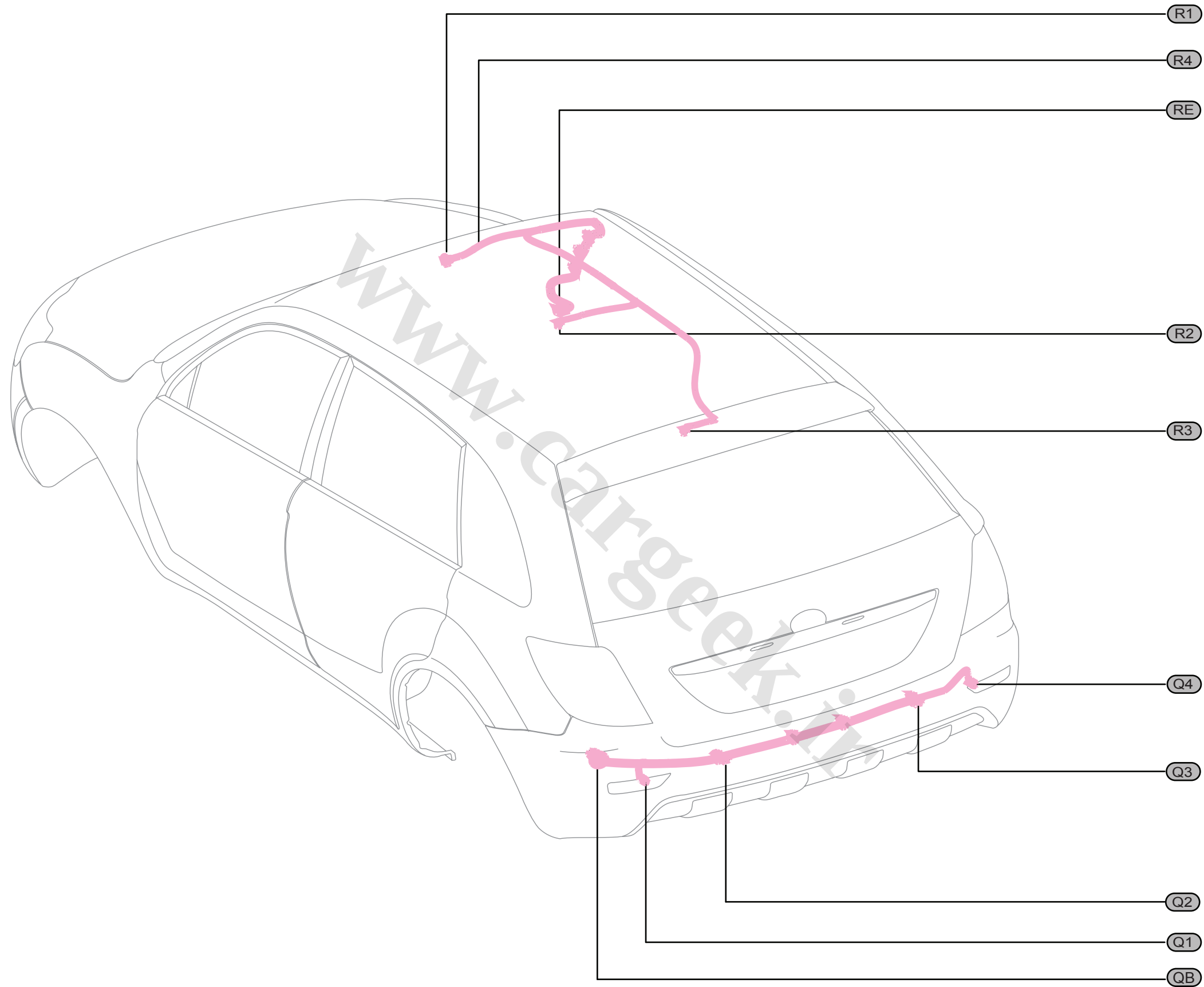
Harness Connector Location View

Door and Back Door Harness Connector Location View



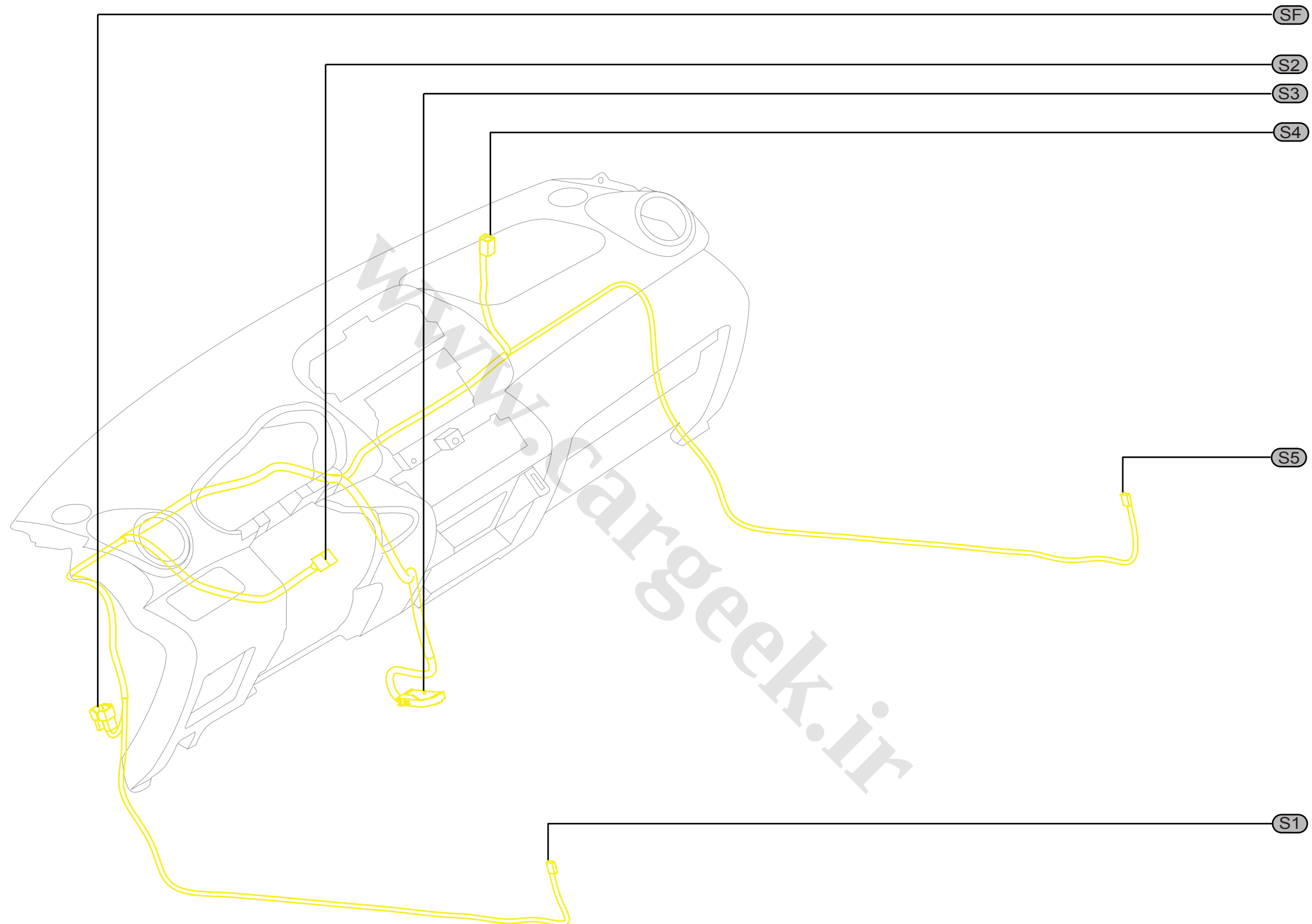
Harness Connector Location View

Roof and Other Harness Connector Location View



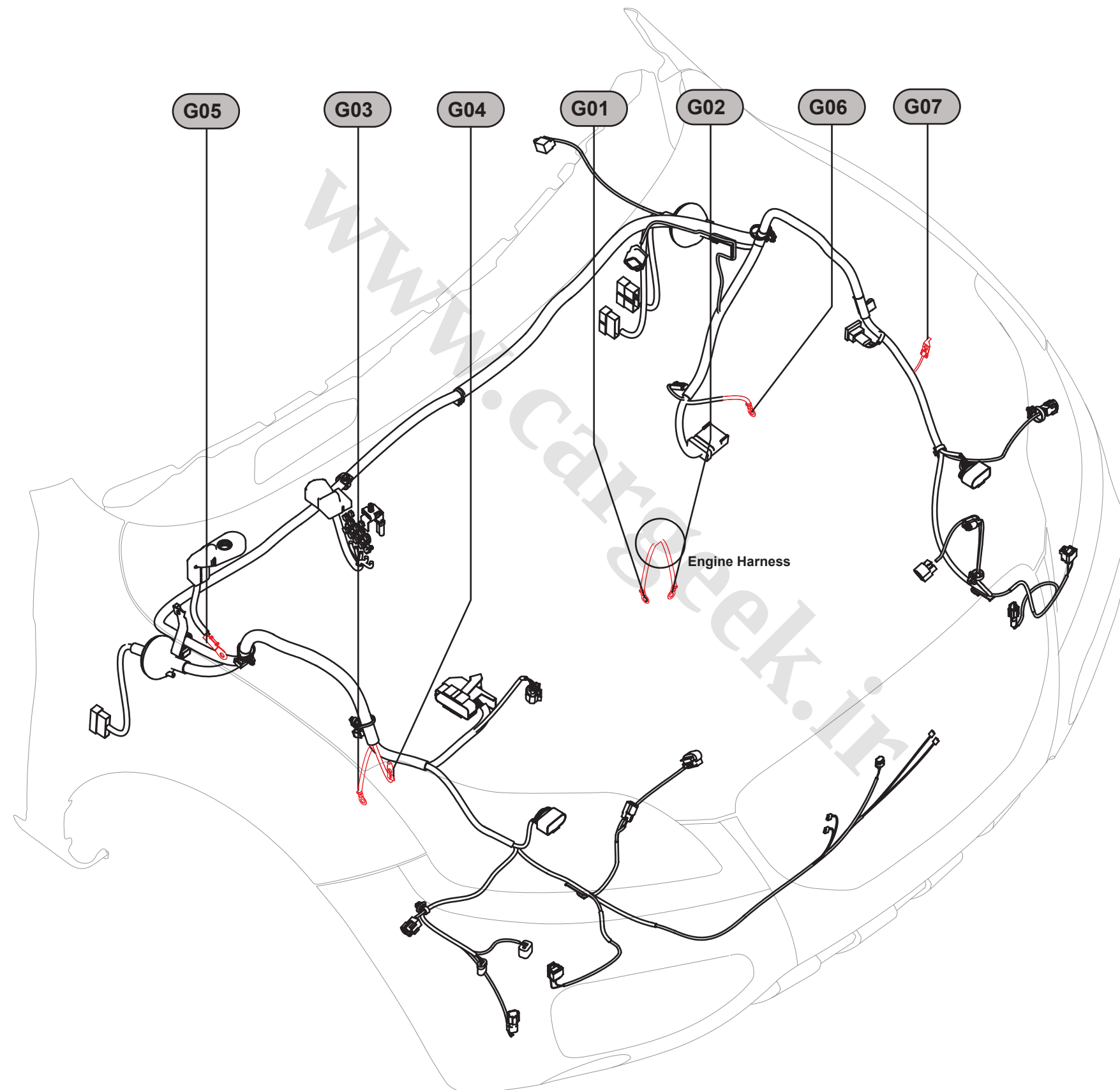
Harness Connector Location View

Airbag Harness Connector Location View



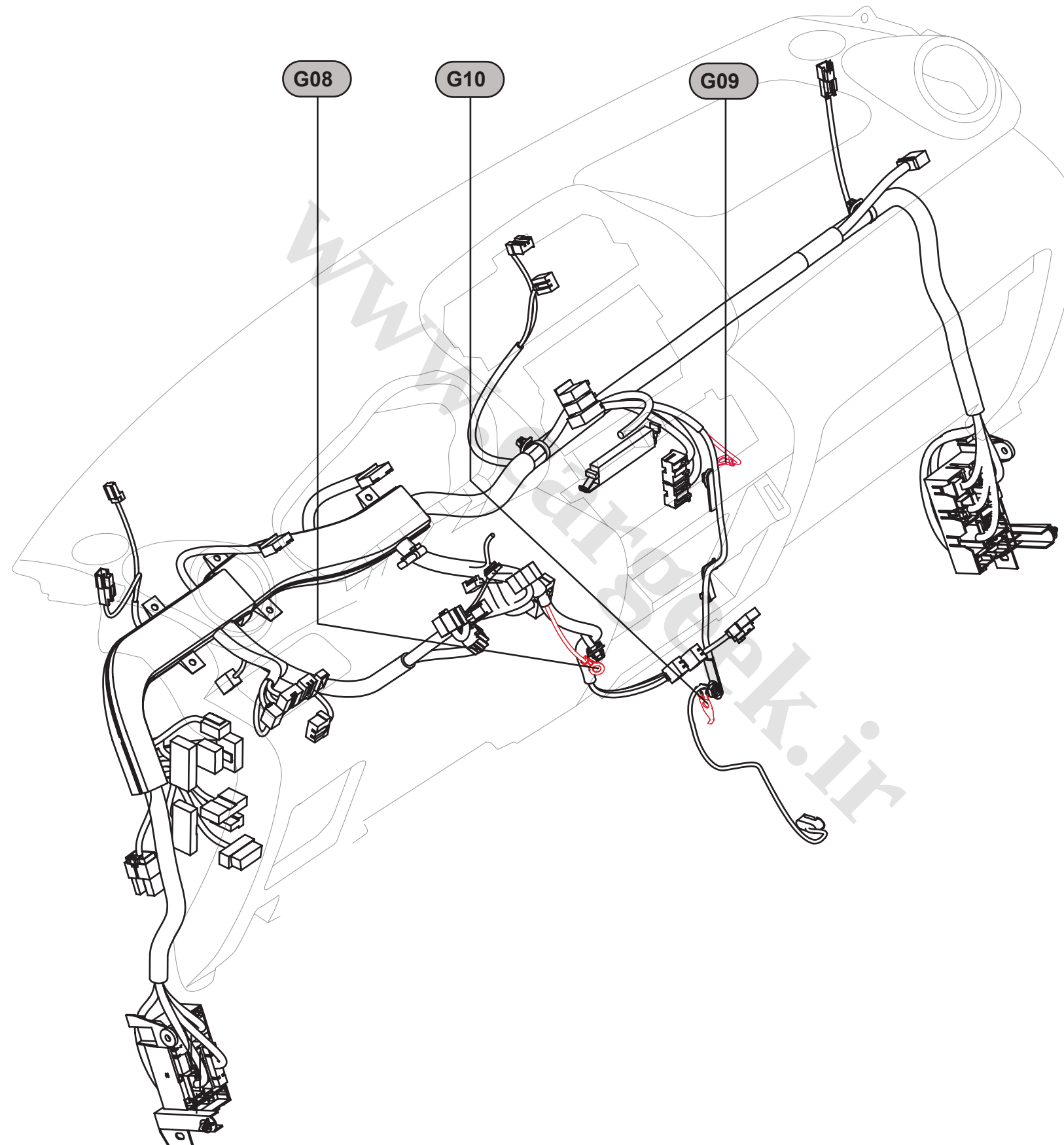
Gtound Point Location View

G01/G02G03/G04/G05/G06/G07



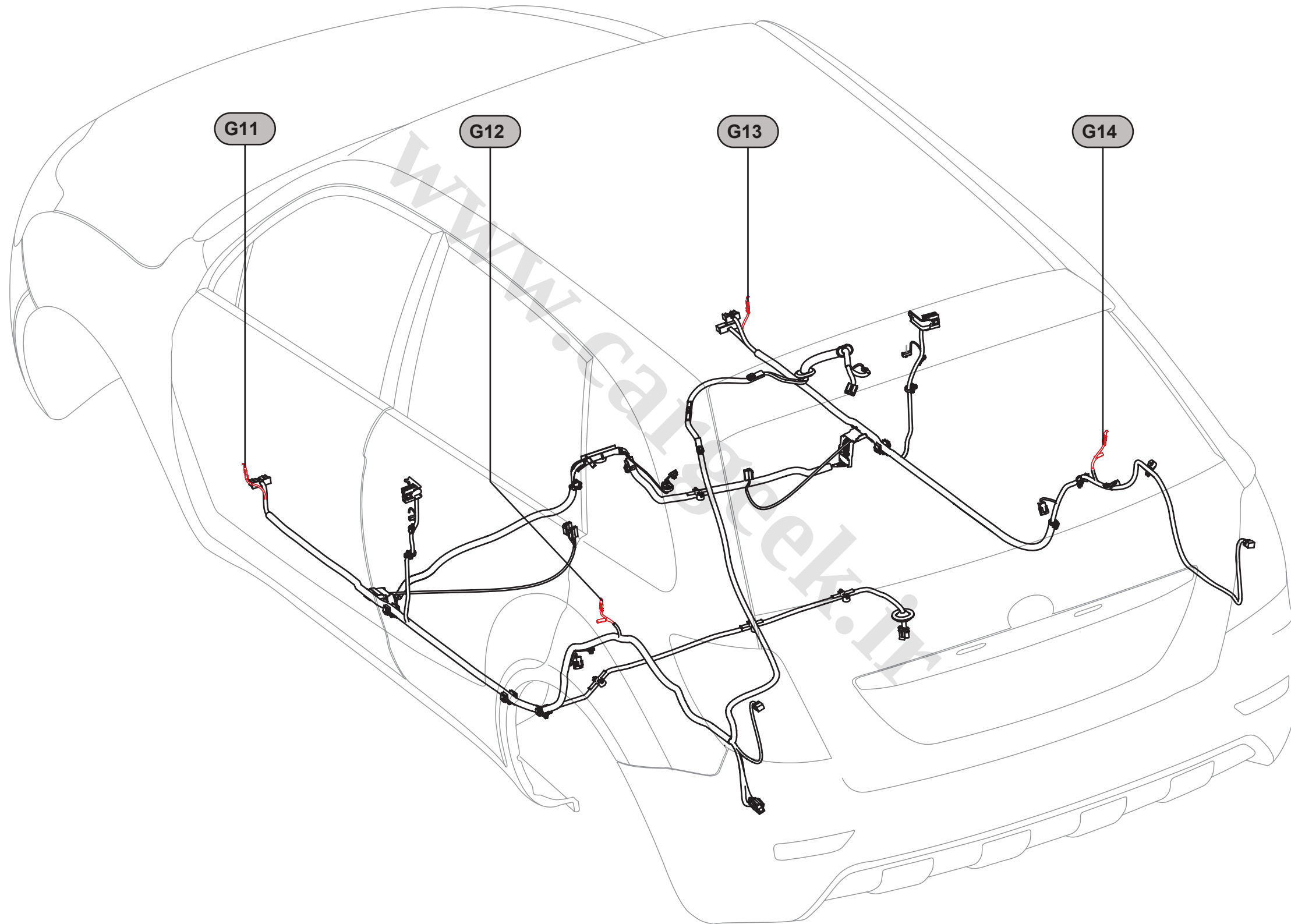
Gtound Point Location View

G08/G09/G10



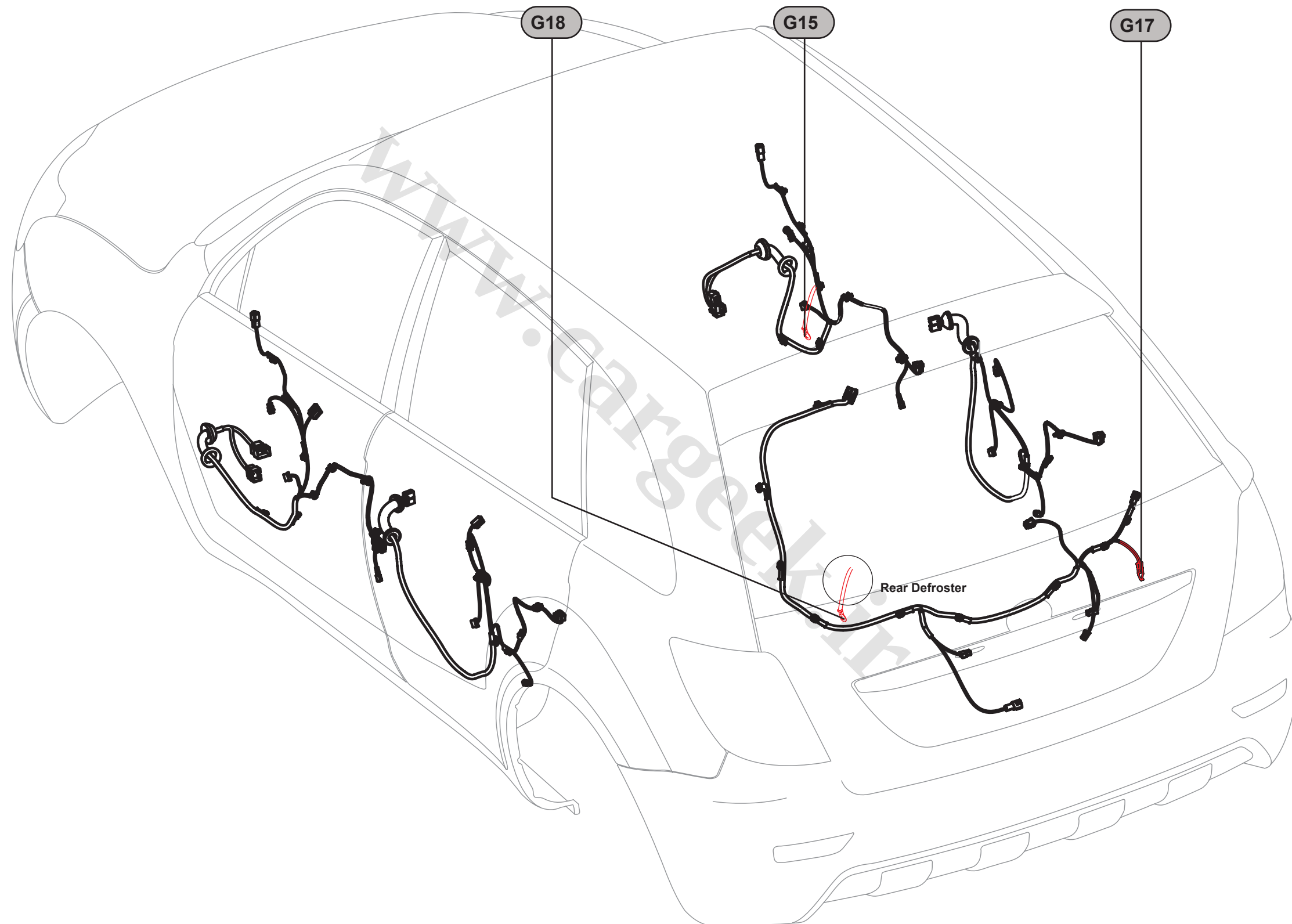
Gtound Point Location View

G11/G12/G13/G14



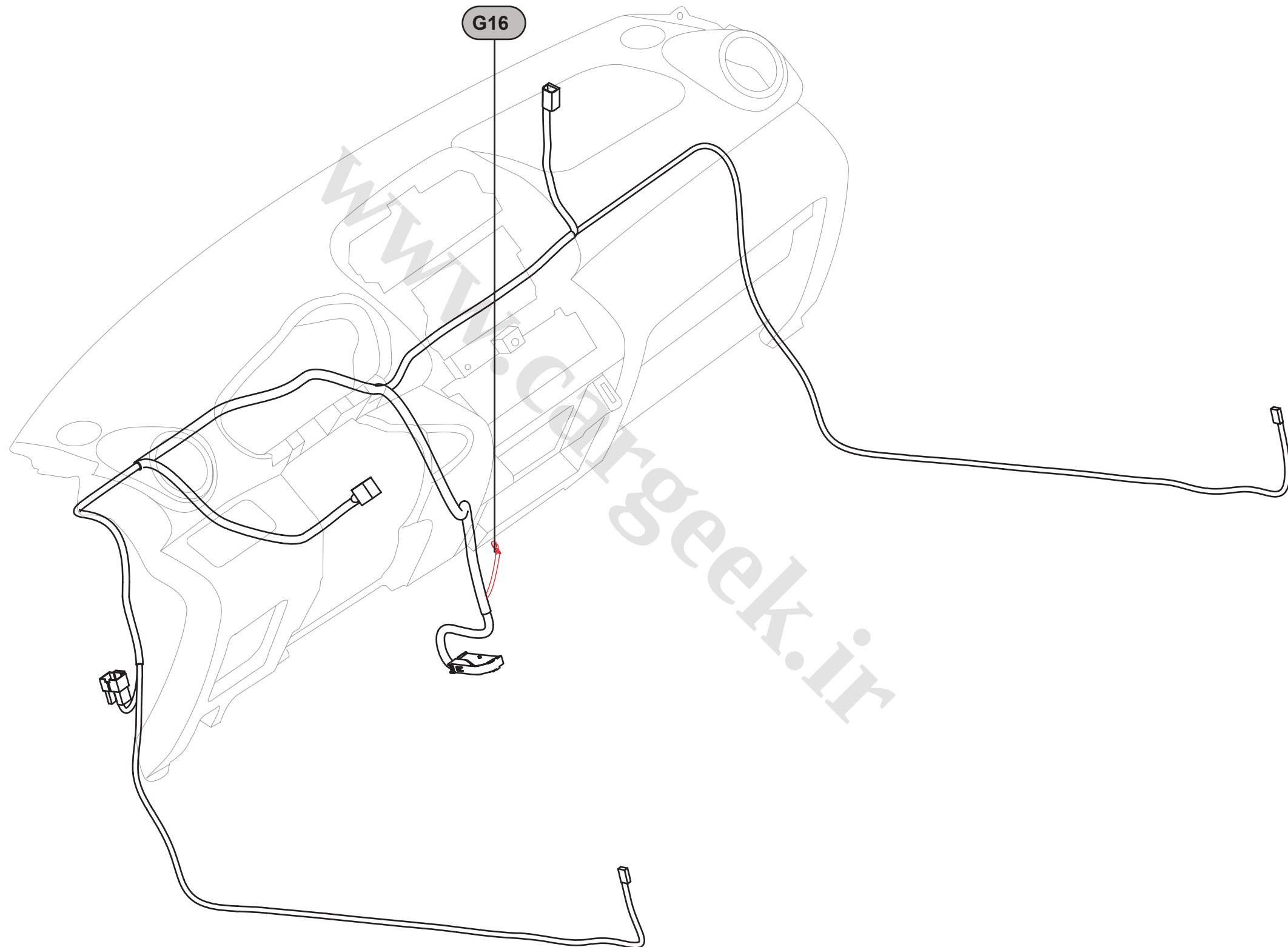
Gtound Point Location View

G15/G17/G18



Gtound Point Location View

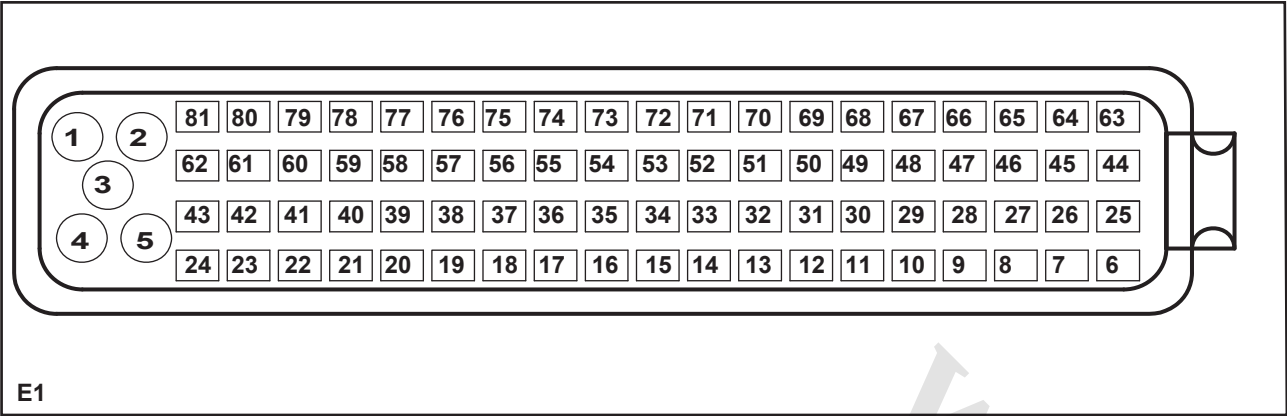
G16



Harness Connector View

Egine Harness Connector(E--)

ECU Connector



E1 Pin Definition

Pin Number	Wire Width / Color	Function
1	2.00 G/W	Ignition signal (Cylinder3)
2	3.00 B	Ground
3	3.00 B	Ground
4	2.00 P/BI	Ignition signal (cylinder1)
5	1.00 BI/R	ECU Power 12V
6	0.50 O	Injection signal(cylinder1)
7	0.50 Br/R	Injection signal(cylinder3)
8	0.50 Y/R	Injection signal(cylinder2)
9	0.50 B/O	Fuel pump control signal
10	0.50 Gr/W	ACC relay=A/C clutch relay signal
11	0.50 V	CKP signal -
12	0.50 BI/R	SVS indicator Signal
13	--	
14	--	
15	--	
16	--	
17	0.50 BI/O	Fan(High speed)
18	--	
19	0.50 G	OBD indicator
20	0.50 V	ETC power +
21	0.50 Y	ETC power -
22	--	
23	0.50 G/Gr	Rear oxygen sensor heating signal

Pin Number	Wire Width / Color	Function
24	0.50 V/R	Fornt oxygen heating signal
25	0.50 G/Y	Injection signal(cylinder4)
26	--	
27	0.50 P	ETC signal 2
28	--	
29	--	
30	0.50 P	CKP signal +
31	--	
32	--	
33	0.50 BI/R	Brake lamp witch signal
34	--	
35	0.50 BI/Br	Headlamp load signal
36	0.50 Gr/W	KC signal +
37	0.50 B	KC signal -
38	0.50 BI/W	CAN L
39	0.50 BI/B	CAN H
40	0.50 G	A/C pressure switch signal
41	0.50 Y/Br	Accelcrator signal 1
42	0.50 Gr	Accelcrator signal 2
43	0.50 Y/W	OCV Signal
44	0.50 Y	Main relay signal
45	--	
46	0.50 P/W	IMMO commanciation
47	0.50 O/R	Front oxygen sensor signal
48	0.50 Gr	Rear oxygen sensor signal
49	0.50 Y/B	Coolant temprature sensor signal
50	--	
51	0.50 O/G	Vehicle speed signal
52	0.50 BI/G	ETC signal 2
53	--	
54	0.50 P	MAP signal
55	--	
56	--	

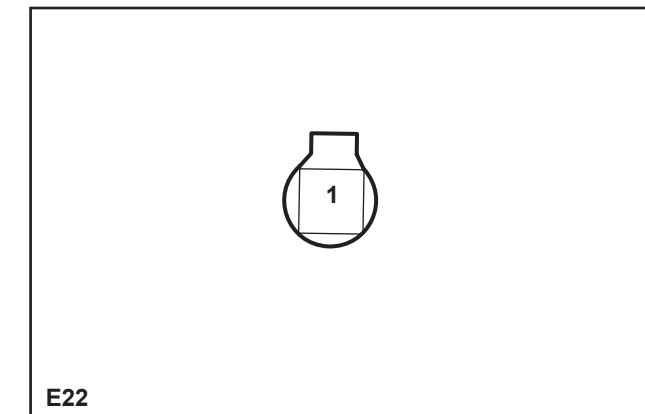
Harness Connector View

E1 Pin Definition

Pin Number	Wire Width / Color	Function
57	--	
58	--	
59	0.50 W/G	Weak accelerated sensor signal
60	0.50 BI/G	HPS switch Signal
61	0.50 Br	Coolant temperature Signal
62	0.50 Br	Ignation signal (Cylinder-4)
63	--	
64	0.50 W/G	Canister control signal
65	0.50 BI/Y	Fan (low speed) signal
66	0.50 R/W	Power 5V
67	1.00 R	Power 12V
68	1.00 B/W	Power 5V
69	0.50 BI/Br	
70	0.50 R/B	Power 5V
71	0.50 BI	IAT signal
72	--	
73	0.50 V/B	Ground
74	0.50 Gr/W	Ground
75	0.50 P/G	k-line
76	0.50 W/B	Ground
77	0.50 G/W	CMP signal
78	--	
79	0.50 R/G	A/C signal
80	0.50 W/B	Engine speed output signal
81	0.50 B/BI	Ignition signal (Cylinder-2)

Engine Harness Connector(E--)

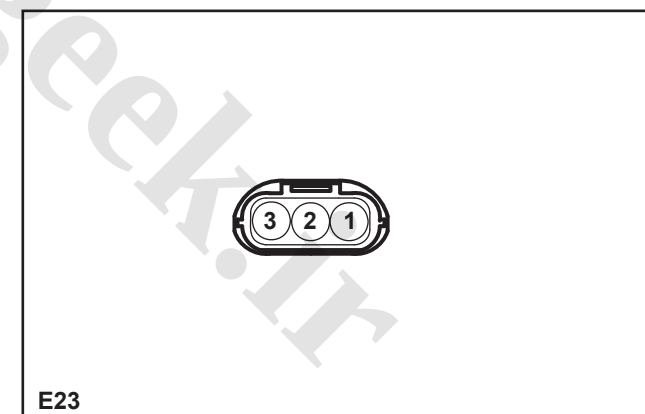
Engine Oil Pressure Switch Connector



EC Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 B/Y	Signal

Alternator Connector

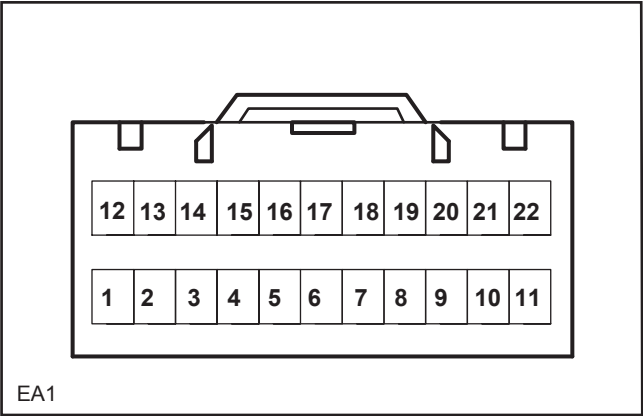


EC Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 R/O	Power 12V
2	1.00 B/W	IG2 Power 12V
3	1.00 V	Indicator signal

Egine Harness Connector(E--)

Engine Harness to I/P Harness Connector

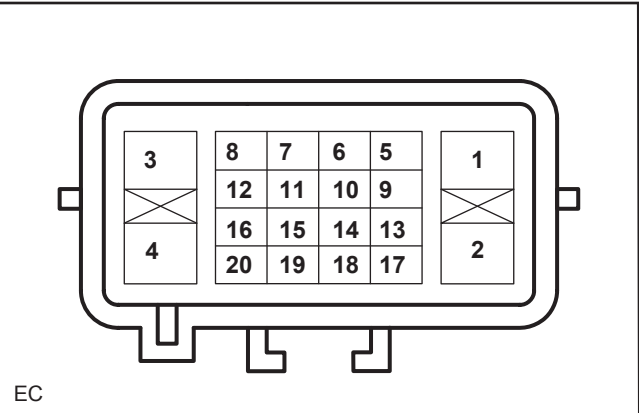


EA1 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 P/G	K-line signal
2	--	
3	0.50 G/Br	Reverse switch signal
4	0.50 G/Br	Power
5	0.50 BI/B	CAN H
6	0.50 BI/W	CAN L
7	0.50 O/G	Vehicle speed signal
8	0.50 Gr	Rear oxygen sensor
9	0.50 B/O	Fule pump relay signal
10	0.50 G/Gr	Rear oxygen heating sensor
11	0.50 O/G	Vehicle speed sensor signal
12	0.50 BI/Br	
13	0.50 BI/R	Brake light switch signal
14	0.50 G	OBD indecator
15	1.00 V	Charging indicator signal
16	0.50 B/Y	Low engine oil pressure sensor sensor signal
17	0.50 Br	Coolant temprature sensor signal
18	--	
19	0.50 BI/R	SVS indicator
20	0.50 W/B	Engine speed
21	0.50 V/B	Ground
22	0.50 W/P	IMMO communication

Egine Harness Connector(E--)

Engine Harness to Engine Compartment Harness Connector



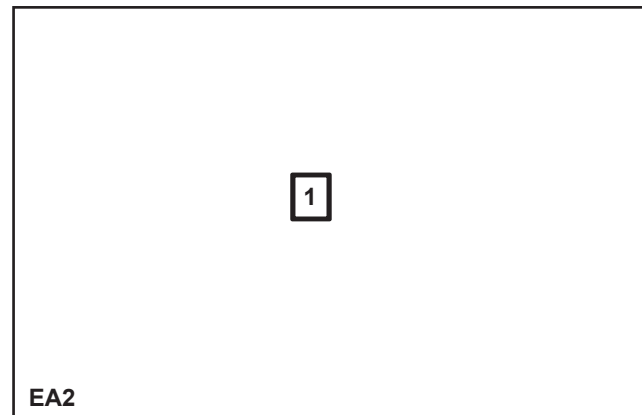
EC Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 B/W	IG2 Power 12V
2	--	
3	--	
4	1.00 BI/R	Power 12V
5	0.50 Y	Main relay signal
6	0.50 W/B	Ground
7	0.50 W/G	Weak acceleration sensor signal
8	0.50 R/W	Power 12V
9	0.50 Gr/W	ACC relay=A/C clutch relay signal
10	1.00 R	ECU power 12V
11	0.50 Y/W	Compressor power 12V
12	0.50 BI/Y	Fan (low speed) signal
13	0.50 BI/O	Fan (High speed) signal
14	0.50 R/G	A/C Signal
15	0.50 BI/Br	Headlamp load signal
16	0.50 G	A/C pressure signal
17	--	
18	--	
19	--	
20	--	

Harness Connector View

Engine Harness Connector(E--)

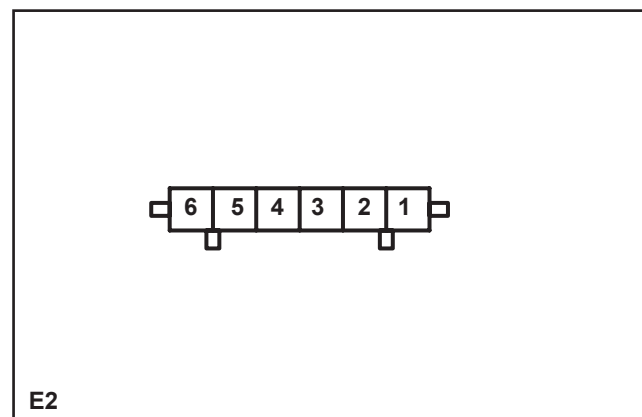
I/P Harness Connector



EA2 Pin Definition

Pin Number	Wire Width / Color	Function
1	3.00 B/Br	Power 12V

Accelerator Pedal Connector

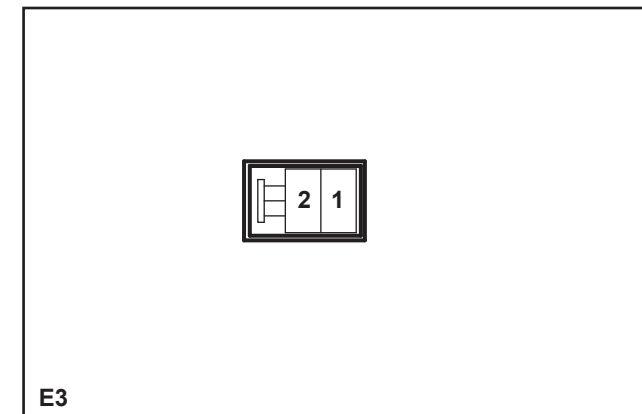


E2 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 R/W	Power 5V
2	0.50 R/BI	Power 5V
3	0.50 Gr/W	Ground
4	0.50 Y/Br	Signal 1
5	0.50 W/B	Ground
6	0.50 Gr	Signal 2

Engine Harness Connector(E--)

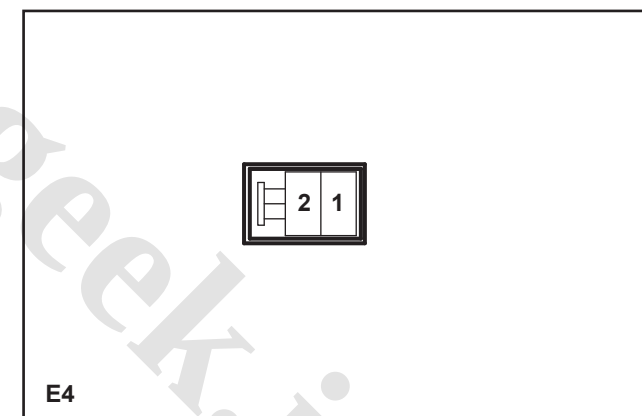
Engine Harness to Injection(Cylinder1) Connector



E3 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 BI/R	Power 12V
2	0.50 O	Signal

Engine Harness to Injection(Cylinder2) Connector



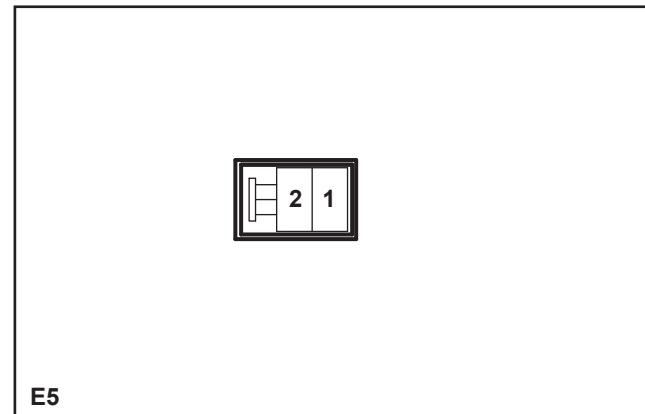
E4 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 BI/R	Power 12V
2	0.50 Y/R	Signal

Harness Connector View

Engine Harness Connector(E--)

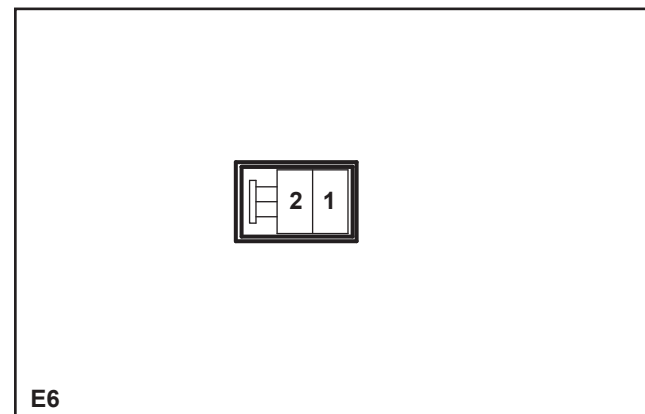
Injector Connector (Cylinder-3)



E5 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 BI/R	Power 12V
2	0.50 Br/R	Signal

Injector Connector (Cylinder-4)

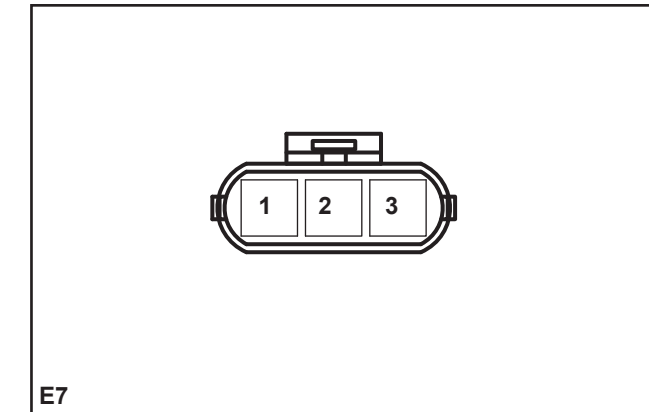


E6 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 BI/R	Power 12V
2	0.50 G/Y	Signal

Engine Harness Connector(E--)

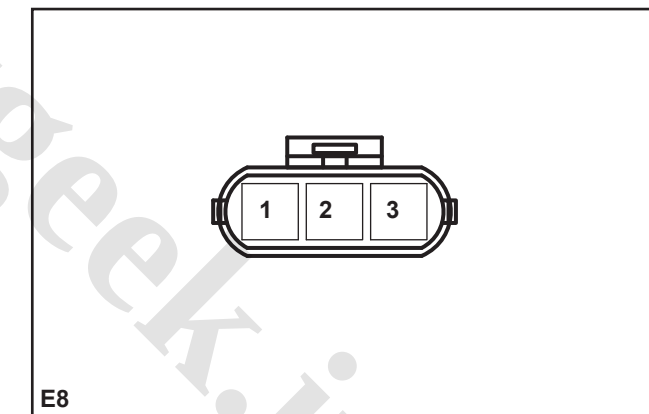
Ignition Coil Connector (Cylinder-1)



E7 Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 B/W	Power 12V
2	0.50 B	Ground
3	0.50 P/BI	Ground

Ignition Coil Connector (Cylinder-2)



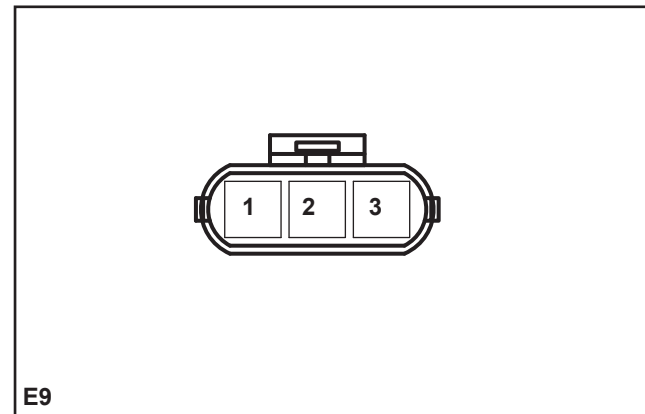
E8 Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 B/W	Power 12V
2	0.50 B	Ground
3	0.50 B/BI	Signal

Harness Connector View

Engine Harness Connector(E--)

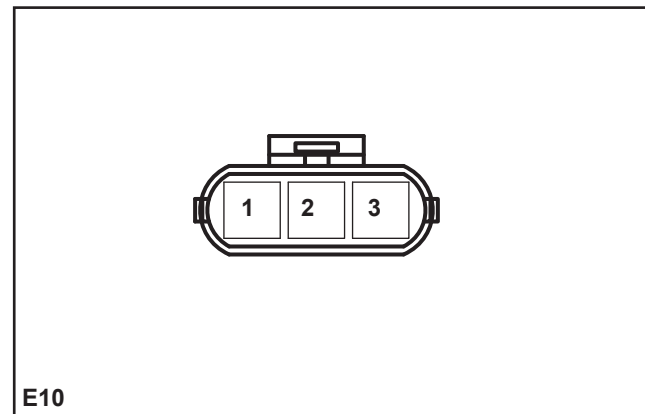
Injector Connector (Cylinder-3)



E9 Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 B/W	Power 12V
2	0.50 B	Ground
3	0.50 G/B	Signal

Injector Connector (Cylinder-4)

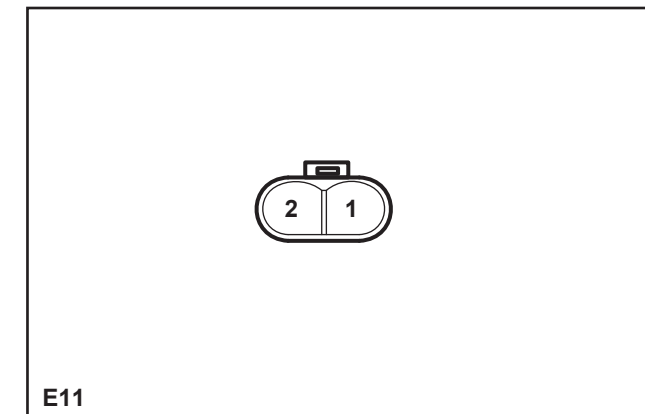


E10 Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 B/W	Power 12V
2	0.50 B	Ground
3	0.50 Br	Signal

Engine Harness Connector(E--)

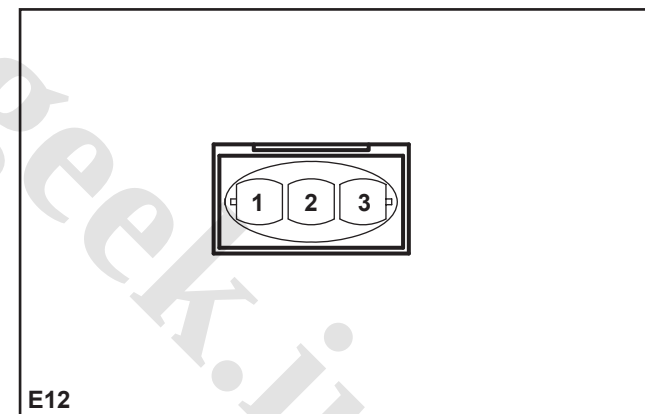
Canister Connector



E11 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 BI/R	Power 12V
2	0.50 W/G	Signal

Vehicle Speed Sensor Connector



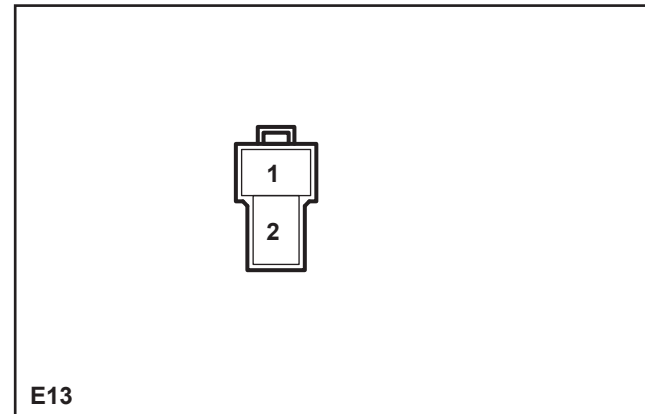
E12 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 BI/R	Power
2	0.50 B	Ground
3	0.50 O/G	Signal

Harness Connector View

Engine Harness Connector(E--)

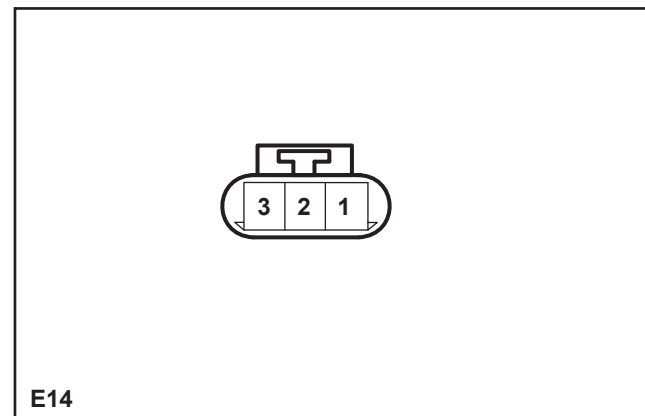
Reverse Lamp Connector



E13 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 G/Br	power 12V
2	0.50 G/Br	power 12V

CKP Sensor Connector

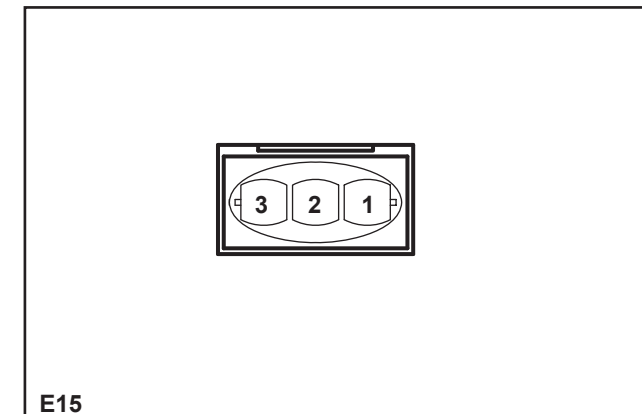


E14 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 P	Signal +
2	0.50 V	Signal -
3	0.50 B	Ground

Engine Harness Connector(E--)

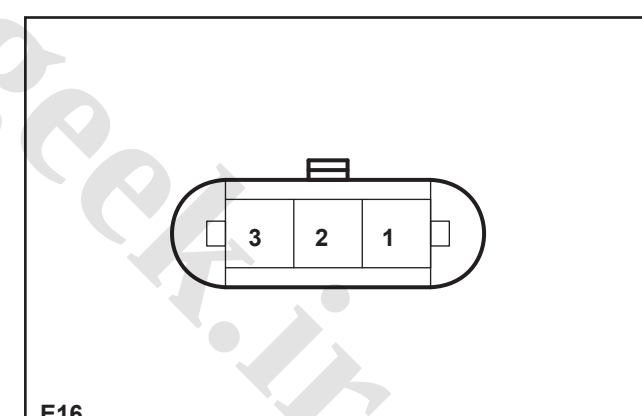
CTS Sensor Connector



E15 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Gr/W	Ground
2	--	
3	0.50 Y/B	Signal

CMP sensor Connector



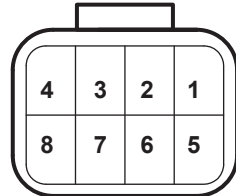
E16 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 R/BI	Power 5V
2	0.50 Gr/W	Ground
3	0.50 G/W	Signal

Harness Connector View

Engine Harness Connector(E--)

ETC Connector



E17

E17 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Gr/W	Ground
2	0.50 Bl/G	Signal 1
3	0.50 P	Signal 2
4	0.50 R/Br	Power 5V
5	0.50 Y	Power +
6	--	
7	--	
8	0.50 V	Power -

Knock Sensor Connector



E19

E19 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Gr/W	Signal +
2	0.50 B	Signal -

Engine Harness Connector(E--)

Intake Air Temperature And Pressure Sensor Connector



E20

E20 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 W/B	Ground
2	0.50 Bl	Temperature signal
3	0.50 R/W	Power
4	0.50 P	Pressure signal

Starter Motor Connector



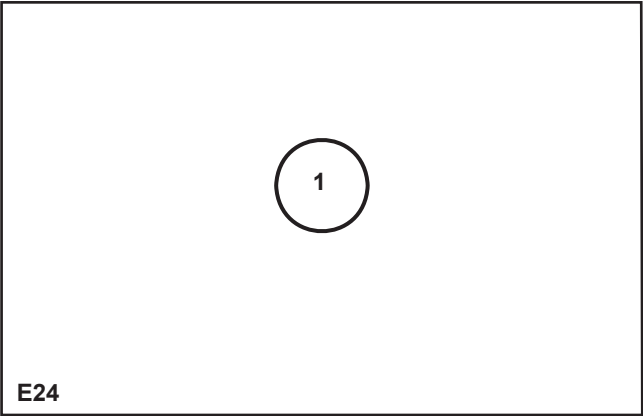
E21

E21 Pin Definition

Pin Number	Wire Width / Color	Function
1	3.00 B/Bl	Power 12V

Egine Harness Connector(E--)

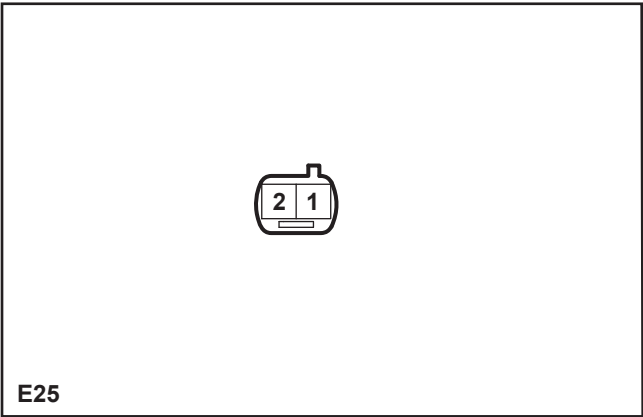
Compressor Connector



E24 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Y/W	Power 12V

Engine Harness to OCV Connector

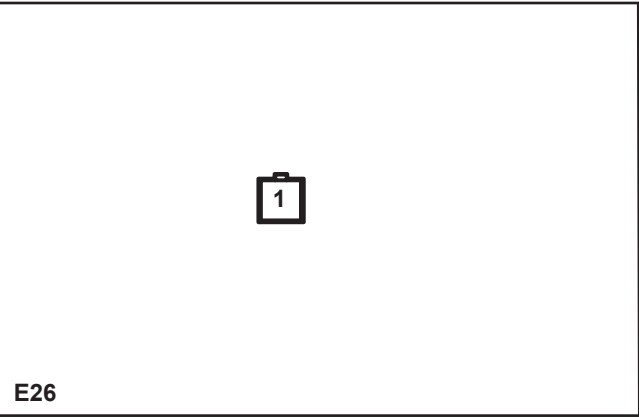


E25 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B/R	Power 12V
2	0.50 Y/W	Signal

Egine Harness Connector(E--)

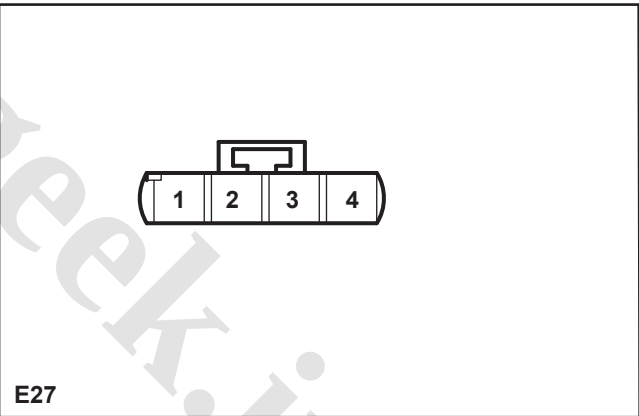
HPS switch Connector



E26 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B/G	Signal

Engine Harness to Front Oxygen Sensor Connector



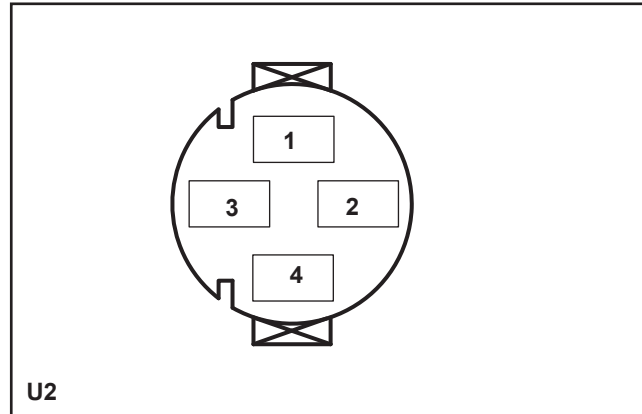
E27 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 V/B	Ground
2	0.50 O/R	Front oxygen Signal
3	0.50 V/R	Heating signal
4	0.50 B/R	Heating Power 12V

Harness Connector View

Engine Compartment Harness Connector(U--)

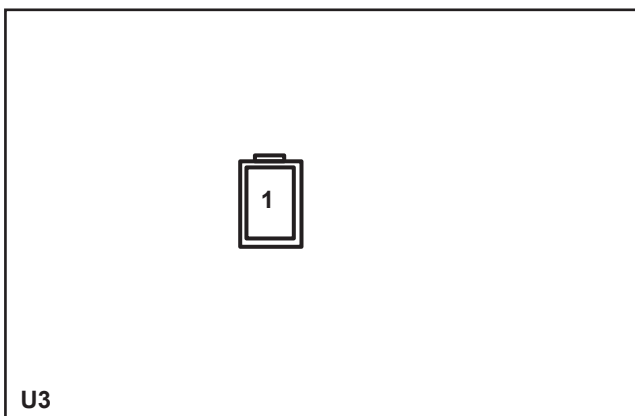
Fan Connector



U2 Pin Definition

Pin Number	Wire Width / Color	Function
1	2.00 V	Power 12V
2	2.00 R	Power +
3	2.00 R/V	Power -
4	2.00 B	Ground

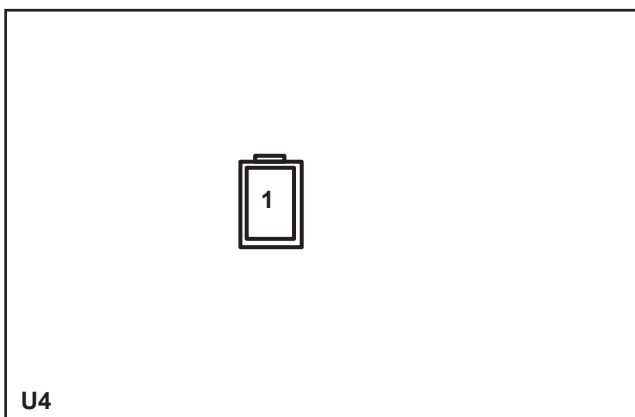
High Tone Horn Connector



U3 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 P/W	Power 12V

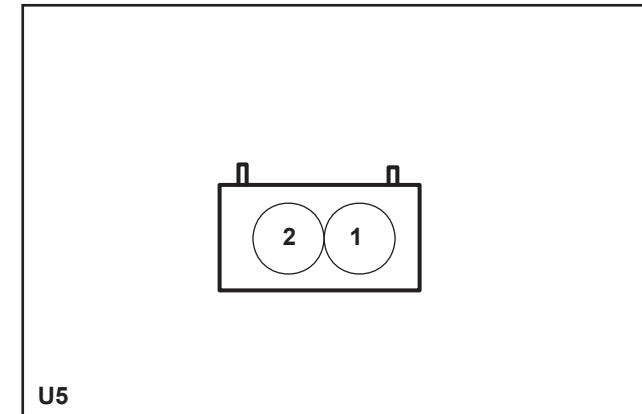
High Tone Horn Connector



U4 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B	Ground

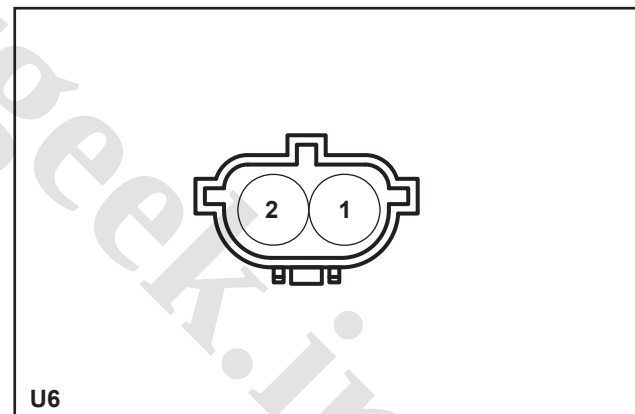
LF Turn lamp Connector



U5 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 G/Br	Power
2	0.50 B	Ground

Front Fog Lamp Connector (L)



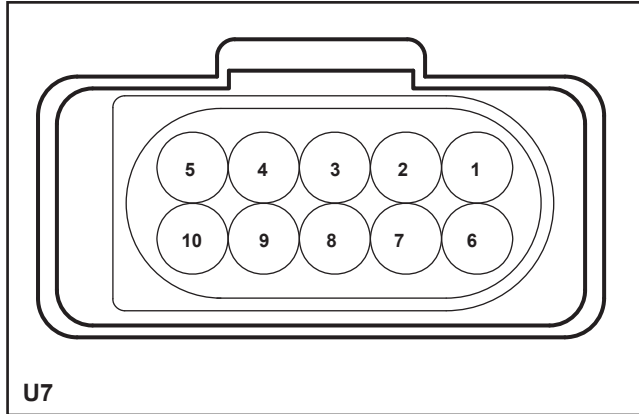
U6 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B	Ground
2	0.50 B/B	Power 12V

Harness Connector View

Engine Compartment Harness Connector(U--)

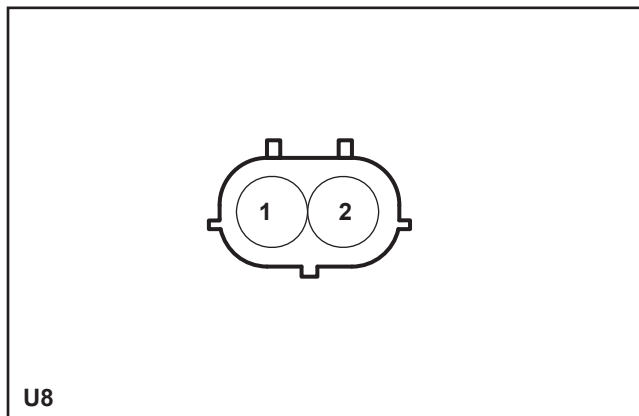
Head lamp Connector (L)



U7 Pin Definition

Pin Number	Wire Width / Color	Function
1	--	
2	--	
3	0.50 B	Ground
4	0.50 BI/W	Headlamp level adjustment signal
5	0.50 BI/Y	Motor power 12V
6	0.50 BI	
7	0.50 BI/W	High beam power 12V
8	1.00 B	Ground
9	0.50 BI/Y	Low beam power 12V
10	0.50 BI	RF position lamp power

Engine Compartment Harness to ABS Sensor Connector

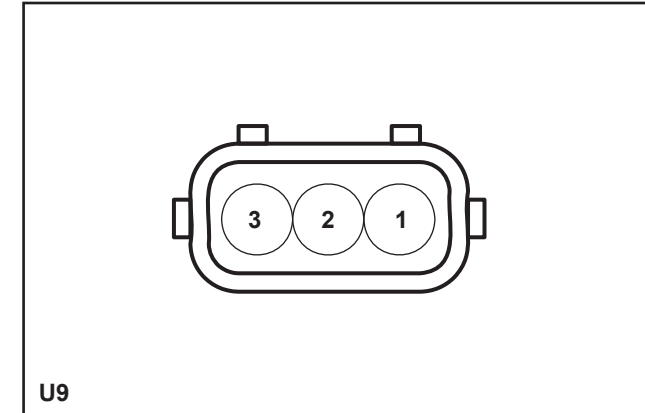


U8 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Br/W	Signal +
2	0.50 Br/BI	Signal -

Engine Compartment Harness (U--)

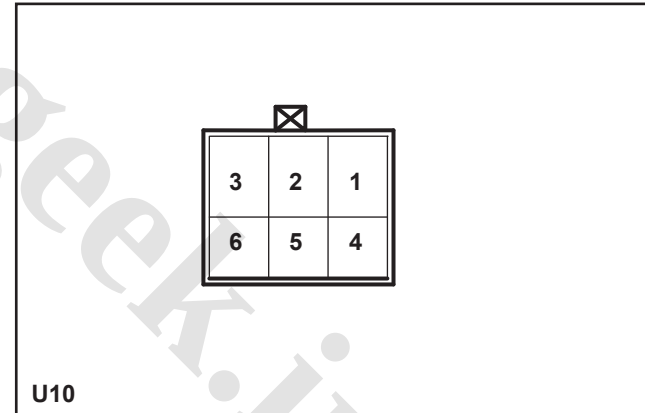
Weak Accelerated sensor Connector



U9 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 W/G	Signal
2	0.50 R/B	Ground
3	0.50 R	Power 5V

Front Wiper Motor Connector



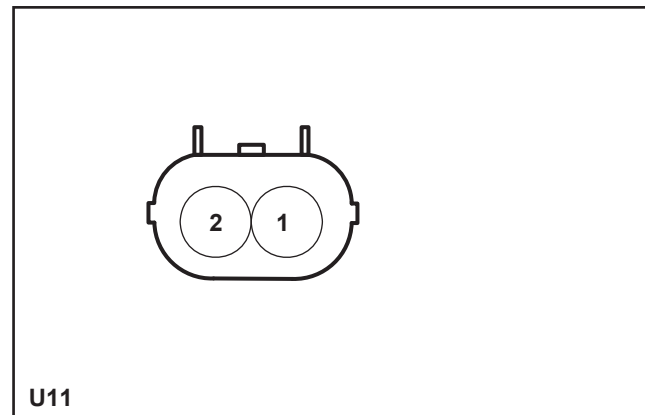
U10 Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 P/R	MIST gear signal
2	0.50 P/Y	Power
3	--	
4	0.50 P/BI	High speed power
5	0.50 P/G	Low speed power
6	0.50 B	Ground

Harness Connector View

Engine Compartment Harness Connector(U--)

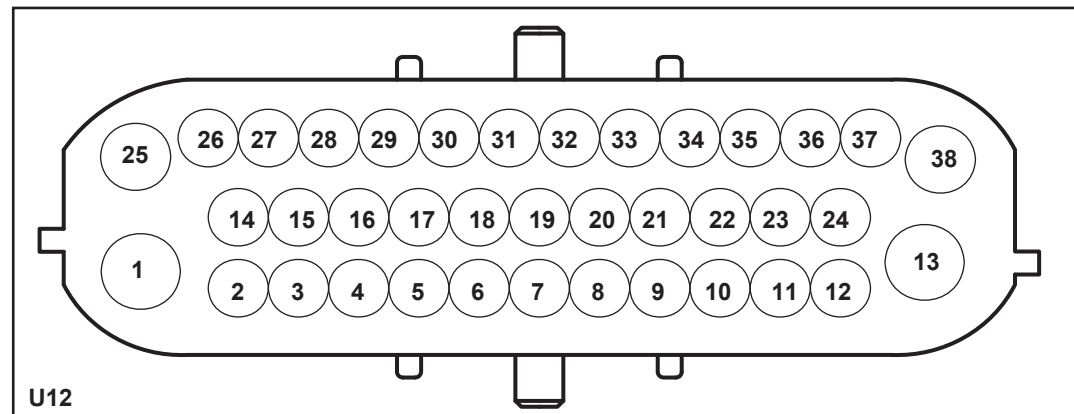
Brake Fluid Level Switch Connector



U11 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B	Ground
2	0.50 BI/Br	Signal

Engine Compartment Harness to ABS Connector



U12 Pin Definition

Pin Number	Wire Width / Color	Function
1	4.00 R	power 12V
2	--	
3	--	
4	--	
5	--	
6	0.50 P/G	k-line signal
7	--	
8	--	
9	0.50 Br/BI	Wheel speed sensor(LF) signal +
10	0.50 Br/B	Wheel speed sensor(RF) signal +

Engine Compartment Harness Connector(U--)

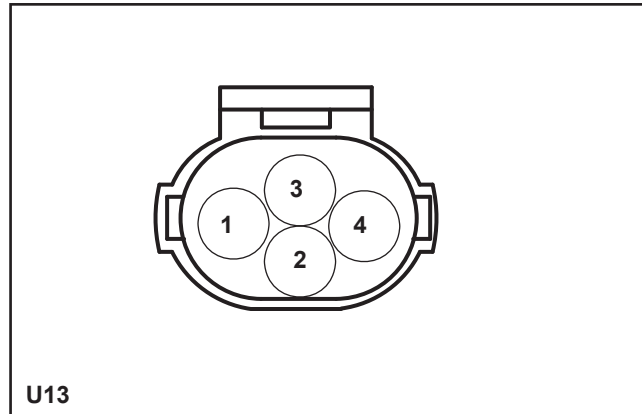
Engine Compartment Harness to ABS Connector

Pin Number	Color / Wire Width	Function
11	0.50 Br/P	
12	0.50 G/W	
13	3.00 B	Ground
14	--	
15	0.50 G/W	Brake signal
16	--	
17	0.50 R/G	ABS indicator
18	0.50 Br/R	Power 12V
19	--	
20	--	
21	0.50 Br/W	Wheel speed sensor(LF) signal -
22	0.50 Br/P	Wheel speed sensor(RF) signal -
23	0.50 Br/G	Wheel speed sensor(LR) signal -
24	0.50 Br/Y	Wheel speed sensor(RR) signal -
25	3.00 BI	Power 12V
26	--	
27	--	
28	--	
29	--	
30	--	
31	--	
32	--	
33	--	
34	--	
35	--	
36	--	
37	--	
38	3.00 B	Ground

Harness Connector View

Engine Compartment Harness Connector(U--)

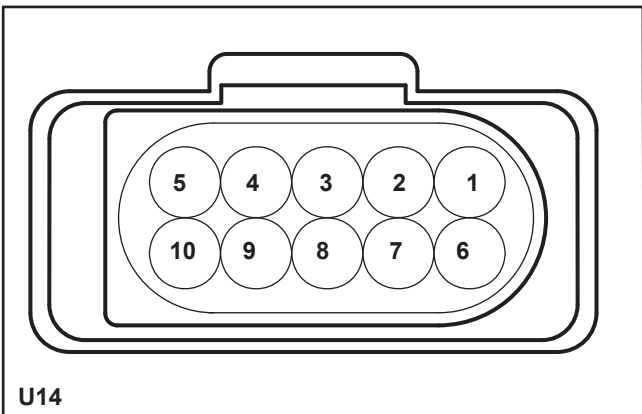
A/C Pressure Switch Connector



U13 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B	Ground
2	0.50 Gr/P	Signal
3	0.50 G	Signal
4	0.50 Gr/B	Ground signal

Head Lamp Connector (R)

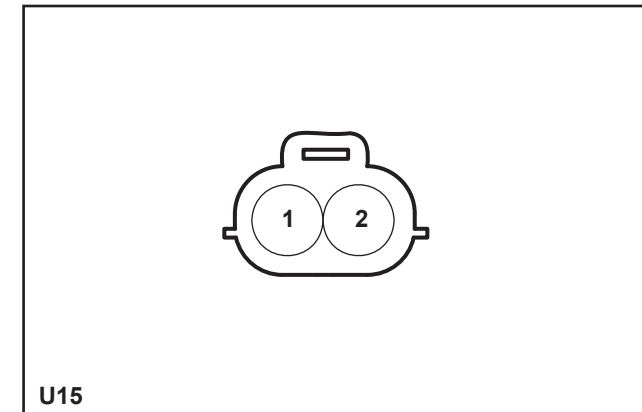


U14 Pin Definition

Pin Number	Wire Width / Color	Function
1	--	
2	--	
3	0.50 B	Ground
4	0.50 BI/W	Headlamp level adjustment signal
5	0.50 BI/Y	Motor Power 12V
6	0.50 BI	
7	0.50 BI/W	High beam power 12V
8	1.00 B	Ground
9	0.50 BI/Y	Low beam Power 12V
10	0.50 BI	

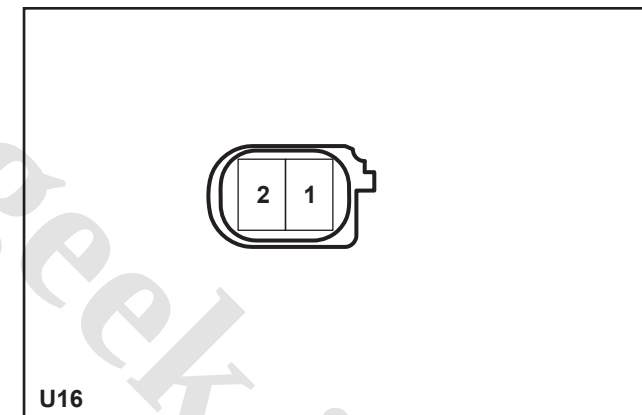
Engine Compartment Harness (U--)

Wheel Speed Sensor Connector



U15 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Br/B	Signal +
2	0.50 Br/P	Signal -



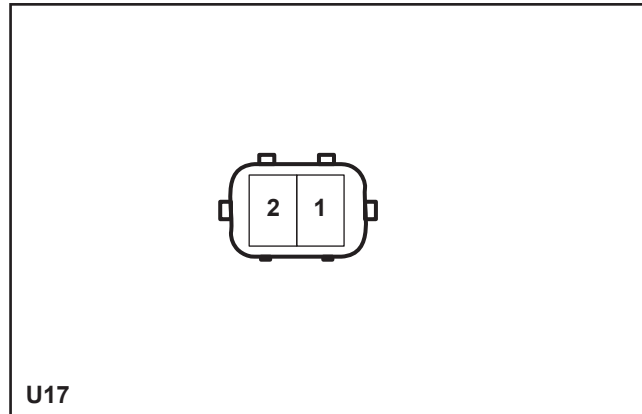
U16 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 P/W	
2	0.50 B	

Harness Connector View

Engine Compartment Harness Connector(U--)

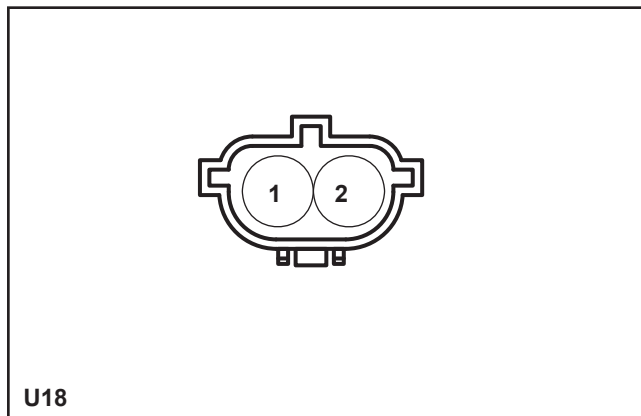
Washer Motor Connector



U17 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 P/Br	Power +
2	0.50 P/Gr	Power -

Front Fog Lamp Connector

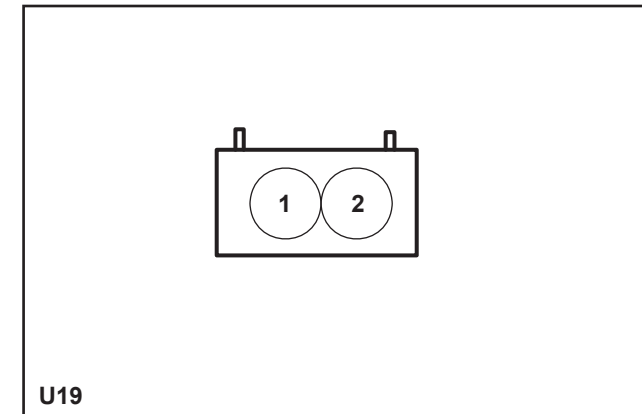


U18 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B	Ground
2	0.50 BI/B	Power 12V

Engine Compartment Harness (U--)

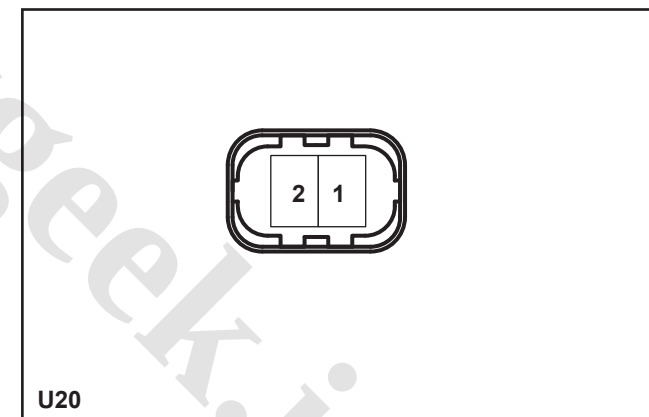
RF Turn Lamp Connector



U19 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 G/P	Power
2	0.50 B	Ground

Ambient Temperature Sensor Connector



U20 Pin Definition

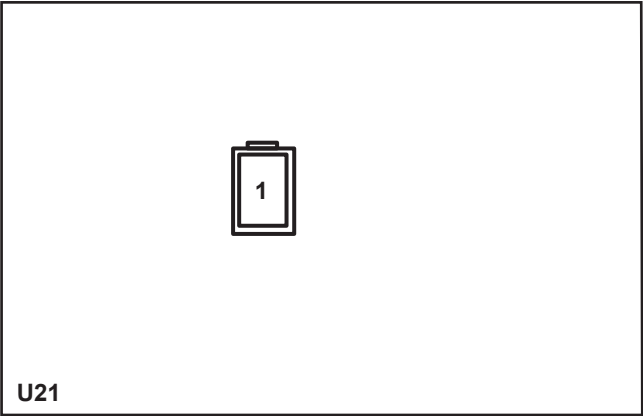
Pin Number	Wire Width / Color	Function
1	0.50 B	Ground
2	0.50 G/W	Signal

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Harness Connector View

Engine Compartment Harness Connector(U--)

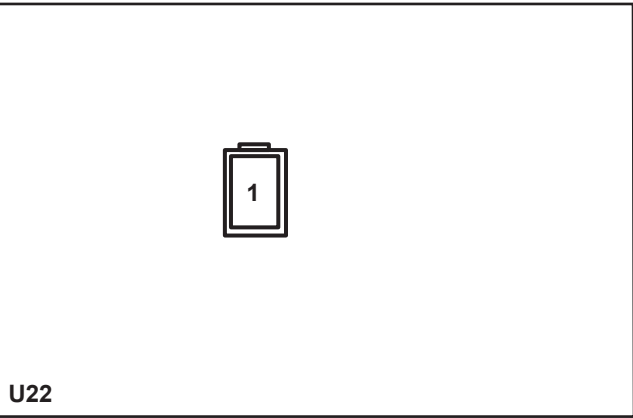
Low Tone Horn Connector



U21 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 P/W	Power 12V

Low Tone Horn Connector

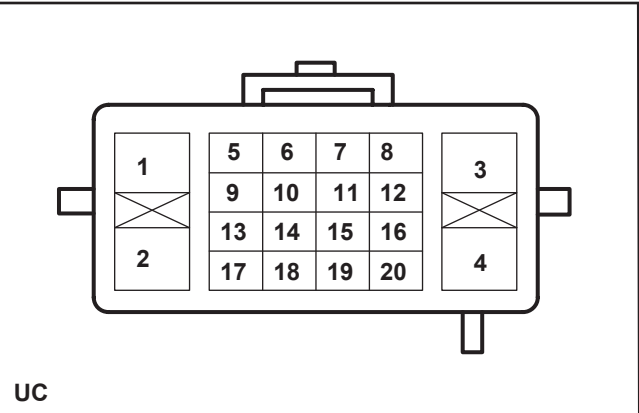


U22 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B	Ground

Engine Compartment Harness (U--)

Engine Compartment Harness to Engine Harness Connector



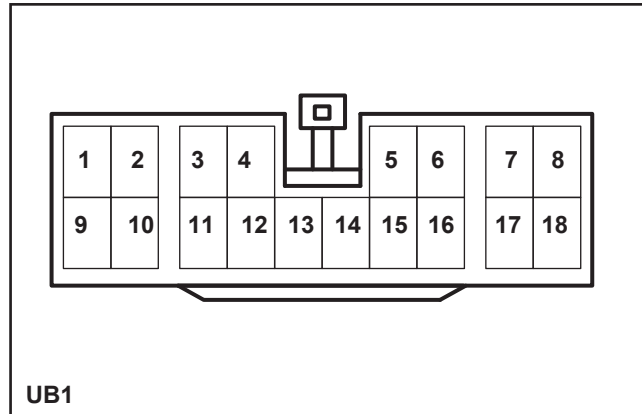
UC Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 B/W	IG2 Power 12V
2	--	
3	--	
4	1.00 V	Power 12V
5	0.50 Y	Main Relay Signal
6	0.50 R/B	Ground
7	0.05 W/G	Weat Accclerated sensor Signal
8	0.50 R	Power 12V
9	0.50 W	Relay Signal
10	0.50 R	Power 12V
11	0.50 Y/W	Power 12V
12	0.50 W	Low Speed Fan Signal
13	0.50 O	High Speed Fan Signal
14	0.50 Gr/B	A/C Signal
15	0.50 BI/Y	Headlamp load Signal
16	0.50 G	A/C Pressure Signal
17	--	
18	--	
19	--	
20	--	

Harness Connector View

Engine Compartment Harness Connector(U--)

Engine Compartment Harness to I/P Harness Connector

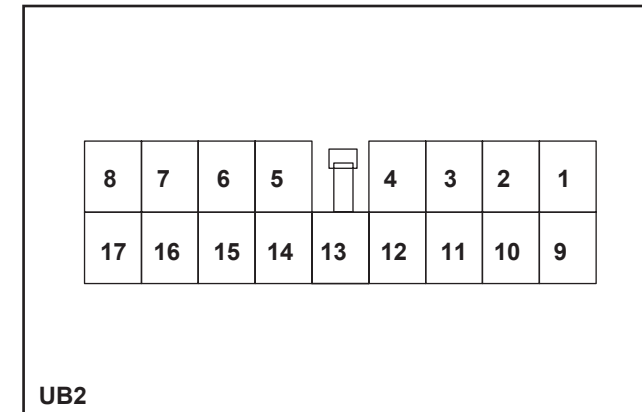


UB1 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 G/W	Brake signal
2	0.50 P/G	K-line signal
3	0.05 R/G	ABS indicator
4	--	
5	--	
6	--	
7	0.05 G/BI	
8	--	
9	--	
10	1.00 B/W	IG2 Power 12V
11	0.50 BI/G	Front fog lamp relay signal
12	0.50 BI/W	Head lamp level adjust Signal
13	--	
14	--	
15	--	
16	1.00 V	Rear oxygen sensor heating power 12V
17	0.50 BI	Background light Power 12V
18	0.50 P/B	Horn Signal

Engine Compartment Harness (U--)

Engine Compartment Harness to I/P Harness Connector



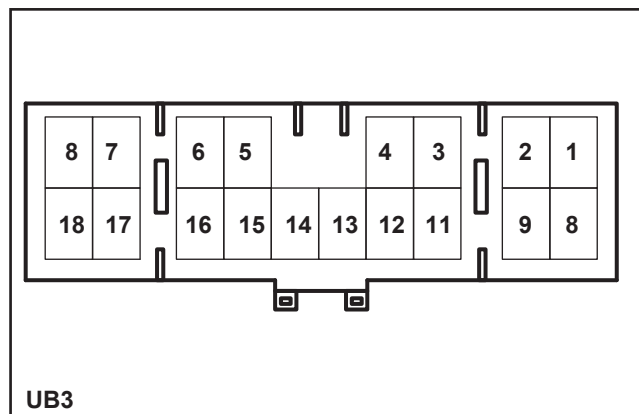
UB2 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 P/BI	Front wiper motor power(High speed)
2	0.50 P/Y	Power
3	0.05 P/G	Front wiper motor power(Low speed)
4	--	
5	0.50 BI	Relay signal
6	0.50 BI/Br	Low Brake fluid level signal
7	0.50 B/Y	Power 12V
8	0.50 BI/V	Relay Signal
9	0.50 BI/Y	Power 12V
10	--	
11	0.50 BI/Br	MIST gear Signal
12	--	
13	1.00 W	Power 12V
14	--	
15	0.50 BI/W	Power 12V
16	--	
17	0.50 P/R	MIST gear Signal

Harness Connector View

Engine Compartment Harness Connector(U--)

Engine Compartment Harness to I/P Harness Connector



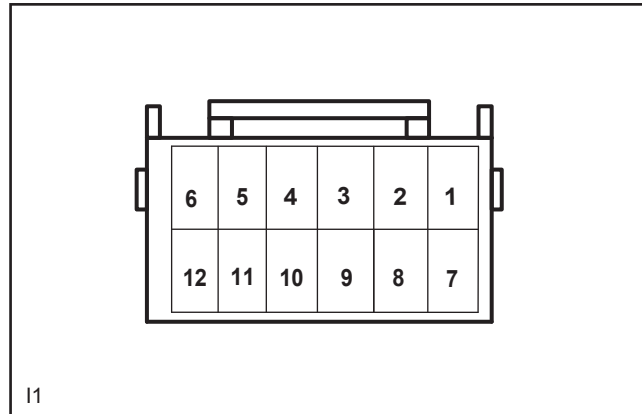
UB3 Pin Definition

Pin Number	Wire Width / Color	Function
1	--	
2	1.00 R/BI	Fuel pump power 12V
3	0.50 Br/G	wheel speed sensor(LR)signal -
4	0.50 Br/P	wheel speed sensor(LR)signal +
5	0.50 G/P	
6	0.50 G/Br	Power 12V
7	0.50 B/O	Fuel pump relay control signal
8	--	
9	0.50 G/W	Ambient temperature sensor signal
10	0.50 P/Gr	Washer motor power -
11	0.50 Br/Y	
12	0.50 Br/W	
13	0.50 P/Br	
14	0.50 Gr/P	A/C Signal
15	0.50 P/W	
16	0.50 G/P	Power 12V
17	0.50 BI/B	Power 12V
18	--	

Harness Connector View

I/P Harness Connector(I--)

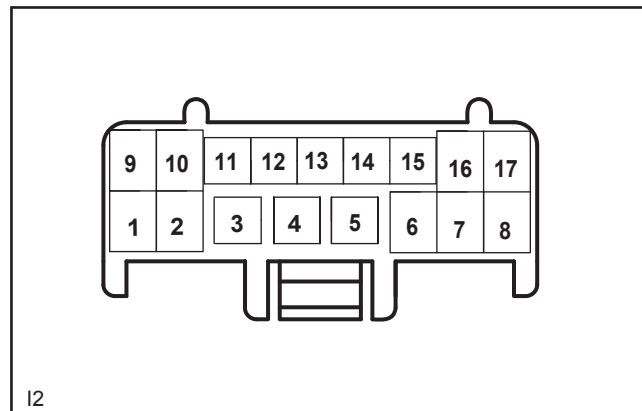
Steering wheel multi-function switch connector



I1 Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	0.05 B	Ground
3	0.05 R/B	Sound volume +
4	0.50 R/W	Sound volume -
5	0.50 G/Y	Power
6	0.50 P/B	Horn
7	--	
8	--	
9	--	
10	--	
11	--	
12	--	

Lighting switch connector

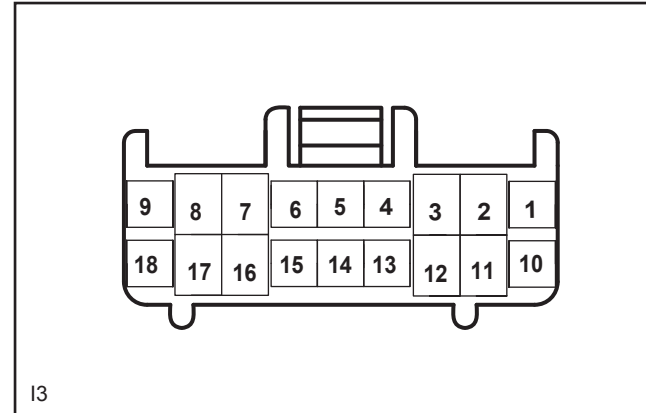


I2 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 BI/Y	Overtaking control signal
2	0.50 BI/V	High beam control signal
3	--	
4	--	
5	--	
6	0.50 G/Y	Right turn lamp control signal
7	0.50 B	
8	0.50 G/W	Left turn lamp control signal
9	--	
10	--	
11	0.50 B	Ground
12	0.50 BI/R	Auto signal
13	0.50 BI/Gr	Position lamp control signal
14	0.50 BI/W	Low beam control signal
15	0.50 BI/G	Front fog lamp control signal
16	0.50 B	
17	0.50 G/B	Rear fog lamp control signal

Harness Connector View

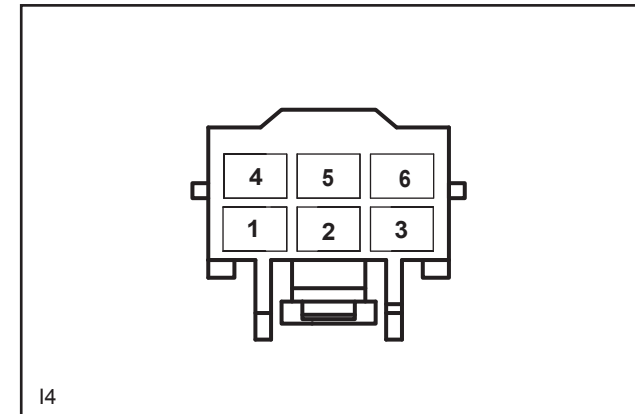
Wiper switch connector



I3 Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	2.00 P/BI	Front wiper motor power 12V(High speed)
3	2.00 P/G	Front wiper motor power 12V(Low speed)
4	--	
5	--	
6	--	
7	--	
8	0.50 P/Gr	Signal
9	--	
10	--	
11	1.00 B	Ground
12	0.50 P/G	Signal(Rear wiper)
13	--	
14	0.50 B	Ground
15	0.50 P/W	
16	0.50 P/Y	Power 12V
17	2.00 P/R	MIST gear signal
18	0.50 P/Br	Signal(Rear washer)

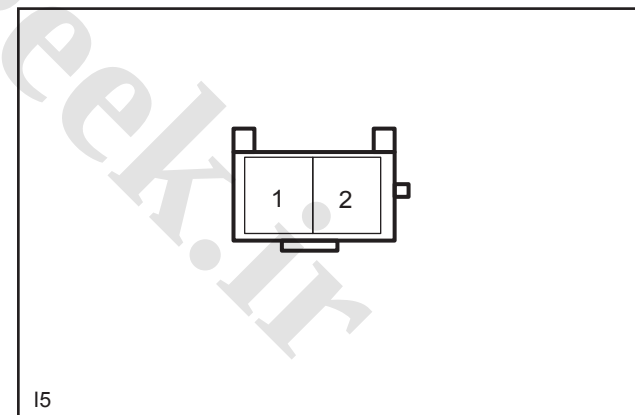
Ignition switch connector



I4 Pin Definition

Pin Number	Color / Wire Width	Function
1	3.00 V	Power output(ACC)
2	2.00 R/BI	Power output(IG1)
3	3.00 Br	Power input(IG1/ACC)
4	3.00 B/W	Power Output(IG2)
5	3.00 BI/R	Power input(ST/IG2)
6	3.00 B/Y	Power output(ST)

Ignition switch coil light connector

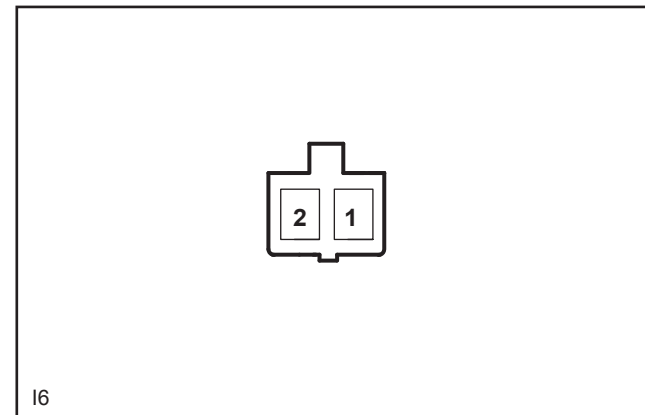


I5 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 R/G	Power
2	0.50 Y	Signal

Harness Connector View

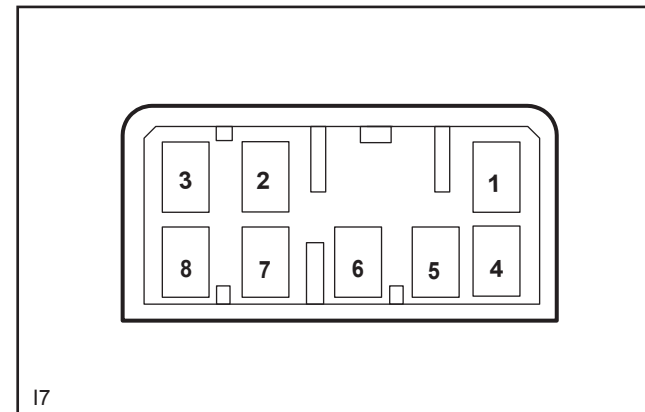
Key insert switch connector



I6 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 B	Ground
2	0.50 V	Key insert signal

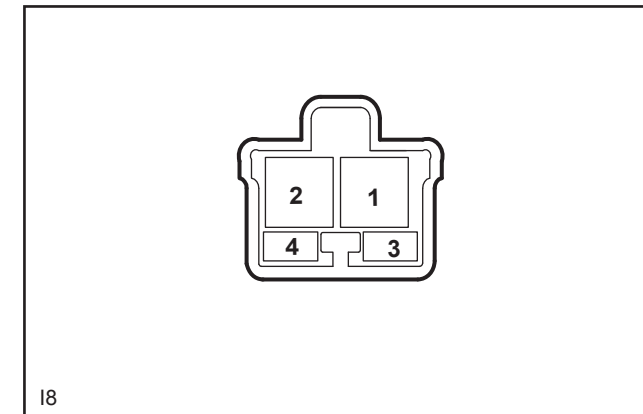
IMMO connector



I7 Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	--	
3	0.50 W/BI	Power
4	0.50 P/G	K-line
5	0.50 P/W	IMMO communication
6	0.50 Br/B	Signal
7	0.50 Y	IMMO communication
8	0.50 B	Ground

Brake lamp switch

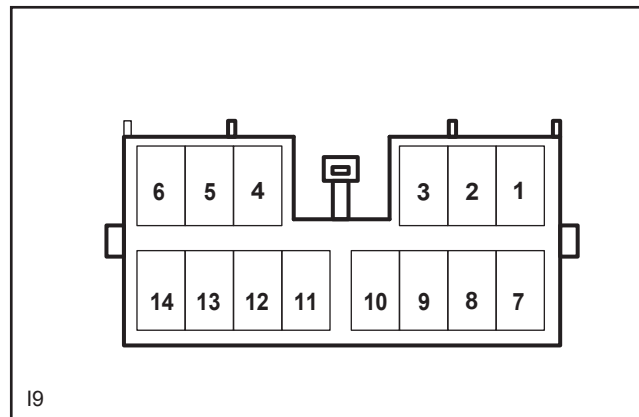


I8 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 G/W	Power output 12V
2	0.50 BI/W	Power 12V
3	0.50 G/B	
4	0.50 Y	

Harness Connector View

I/P harness to SRS harness connector

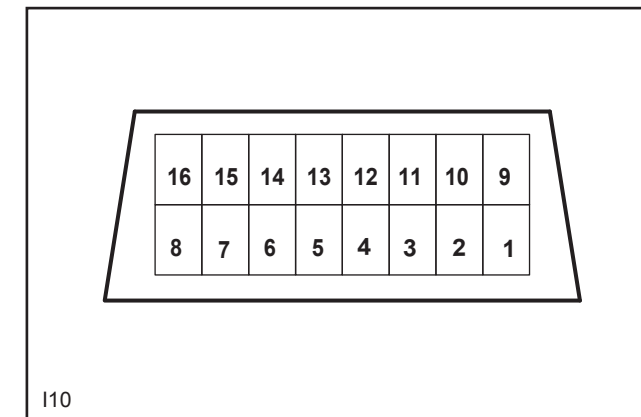


I9

I9 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 O/W	
2	0.50 B	
3	0.50 Y/B	Signal
4	--	
5	0.50 R	Power 12V
6	0.50 O/B	SRS indicator
7	0.50 O	Diagnosis signal
8	0.50 Y/Gr	
9	0.50 Y/BI	
10	0.50 Y/G	
11	0.50 Y/R	
12	0.50 Y/W	Signal
13	--	
14	--	

DLC



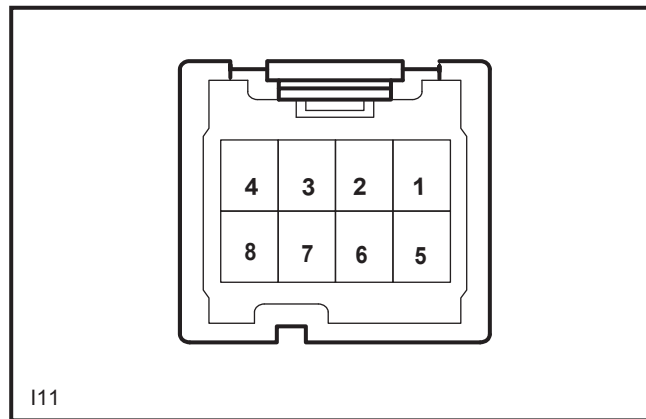
I10

I10 Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	--	
3	--	
4	0.50 B	Ground
5	--	
6	0.50 BI/B	CAN-H
7	0.50 P/G	K-line
8	0.50 Y	IMMO diagnosis
9	0.50 P/G	
10	--	
11	--	
12	0.50 O	
13	0.50 R/W	
14	0.50 BI/W	CAN-L
15	--	
16	0.50 W/BI	Power

Harness Connector View

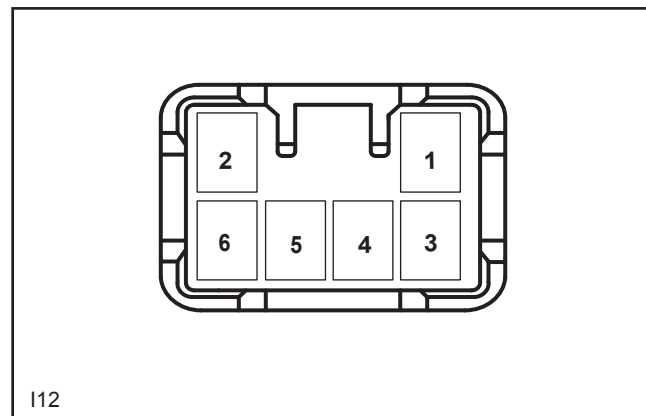
Central control lock switch



I11 Pin Definition

Pin Number	Color / Wire Width	
1	--	
2	--	
3	0.50 B	Ground
4	2.00 G/Y	Background light power 12V
5	0.50 Br/BI	Open signal
6	0.50 Br/G	Close signal
7	--	
8	--	

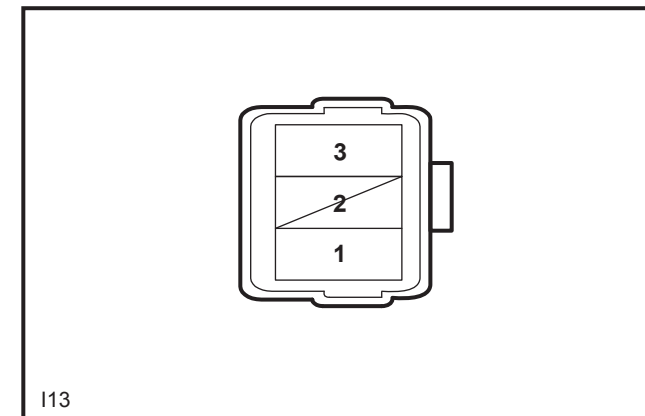
Headlamp level adjustment switch connector



I12 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 B	Ground
2	0.50 BI/W	Power output
3	--	
4	0.50 G/Y	Background light power
5	--	
6	0.50 BI/Y	Power 12V

Background light adjustment switch

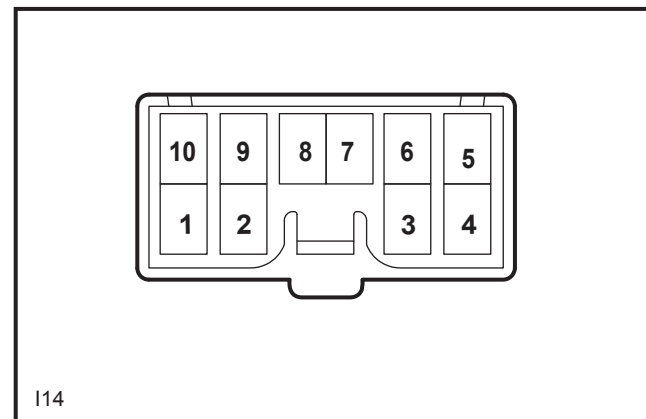


I13 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 G/Y	Power output
2	0.50 BI	Power 12V
3	0.50 B	Ground

Harness Connector View

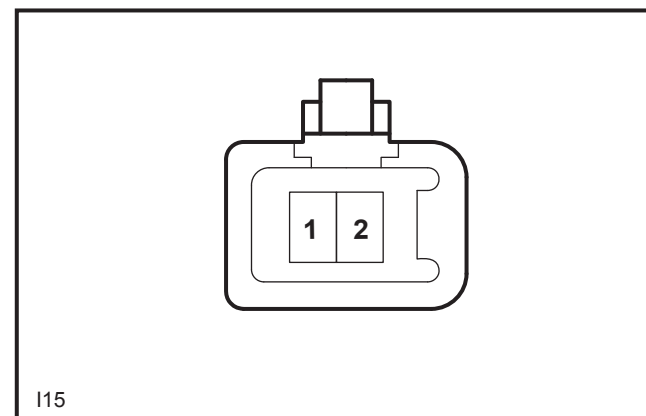
Power rear view mirror switch



I14 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 B	Ground
2	0.50 Y/G	Motor power 12V
3	0.50 R/Y	Power 12V
4	0.50 G/Y	Background light power
5	0.50 Y/Br	R signal
6	0.50 Y/G	R signal
7	--	
8	--	
9	0.50 Y/W	L signal
10	0.50 Y/Gr	L signal

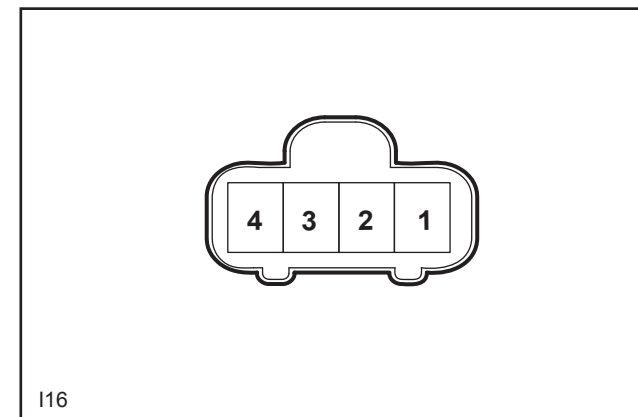
Left front tweeter



I15 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 V/Br	Power +
2	0.50 V/W	Power -

Light sensor connector

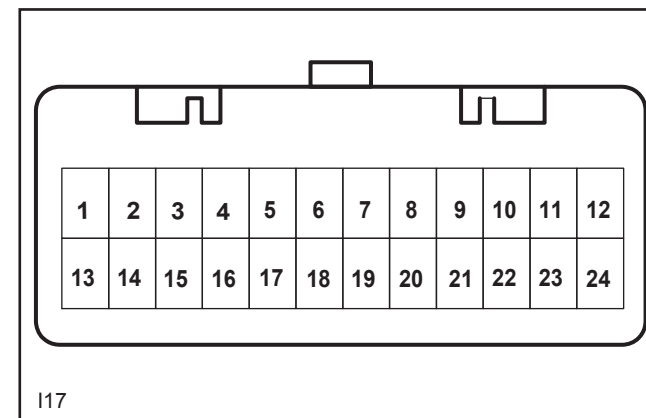


I16 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 Br/R	
2	0.50 G/Br	Light sensor signal
3	0.50 P/Bl	
4	0.50 B	Ground

Harness Connector View

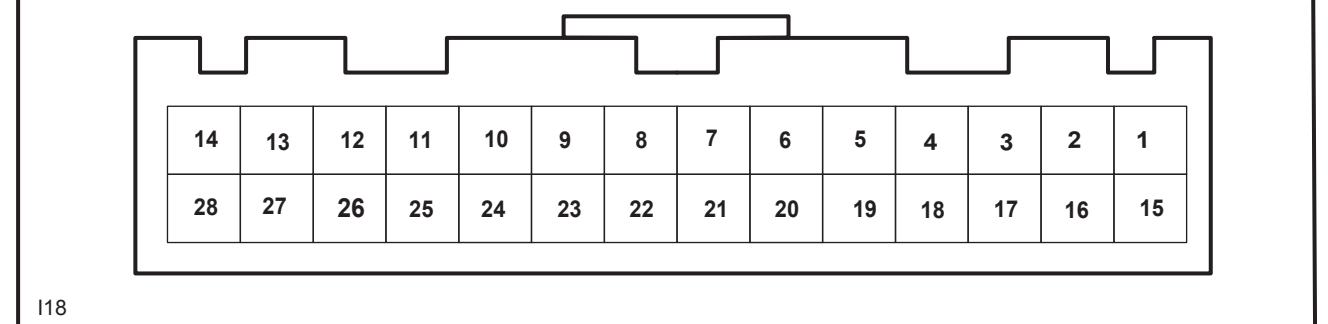
Instrument cluster connector



I17 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 B/W	LF door lamp signal
2	0.50 B/Y	RF door lamp signal
3	0.50 B/V	LR door lamp signal
4	0.50 B/V	RR door lamp signal
5	0.50 Y/W	Passenger side seat belt switch signal
6	0.50 Y/B	Driver side seat belt switch signal
7	0.50 Br/B	IMMO indicator
8	0.50 O/G	Vehicle speed sensor signal
9	0.50 W/B	Engine speed signal
10	--	
11	--	
12	--	
13	0.50 BI	Position lamp indicator
14	--	
15	0.50 BI/W	High beam indicator
16	0.50 BI/B	Brake indicator
17	0.50 V/B	Reverse radar sensor power +
18	0.50 V/W	Reverse radar sensor(R) signal
19	0.50 V/BI	Reverse radar sensor(L) signal
20	0.50 B	Ground
21	0.50 V/G	Reverse radar sensor power -
22	0.50 G/Br	Reverse switch signal
23	0.50 G/Br	Turn lamp signal(L)
24	--	

Instrument cluster connector

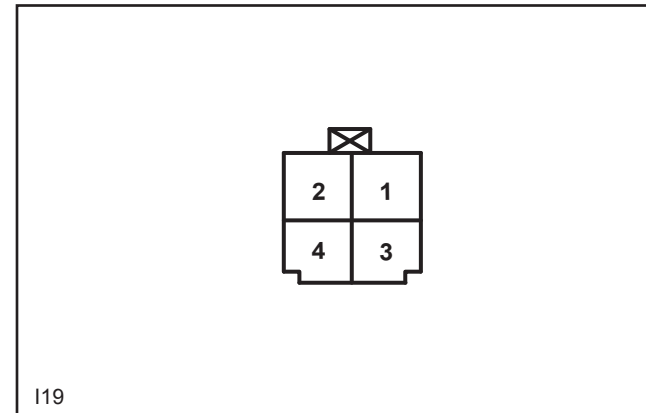


I18 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 O/W	
2	0.50 O/G	Vehicle speed signal
3	--	
4	0.50 R/B	Fuel level signal
5	0.50 V/G	
6	0.50 V/B	
7	0.50 V/BI	
8	0.50 Br	Coolant temperature signal
9	--	
10	0.50 R/G	ABS indicator
11	0.50 V	Charging indicator
12	0.50 O/B	SRS indicator
13	0.50 Y/B	Low engine oil pressure indicator
14	0.50 G/P	Turn lamp indicator(R)
15	0.50 BI	Charging indicator
16	0.50 Y	Power
17	0.50 BI/Y	Low beam indicator
18	0.50 BI/B	Front fog lamp indicator
19	0.50 G/Br	Rear fog lamp indicator
20	0.50 B	Ground
21	--	
22	--	
23	0.50 G/Y	Power
24	0.50 W/BI	SVS indicator
25	0.50 BI/Br	Low brake fluid level indicator
26	0.50 B/Br	
27	0.50 P	Rear defrosting indicator
28	0.50 G	OBD indicator

Harness Connector View

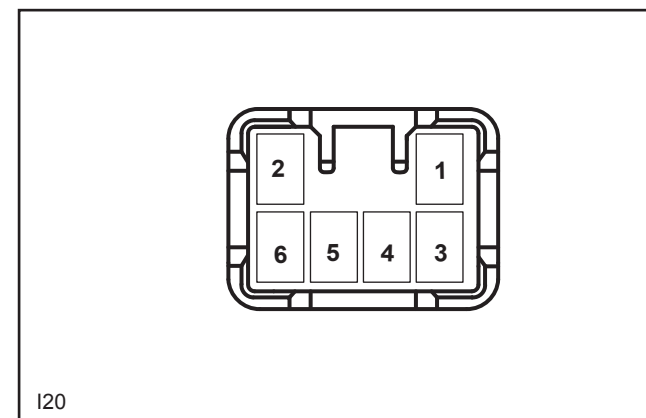
Room temperature sensor



I19 Pin Definition

Pin Number	Color / Wire Width
1	0.50 Y/BI
2	0.50 B
3	--
4	--

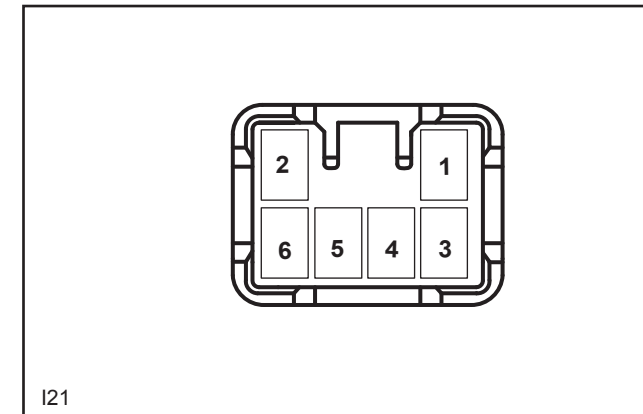
Seat heating harness connector



I20 Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	--	
3	0.50 B	
4	0.50 G/Y	
5	1.00 B/Y	
6	1.00 G	

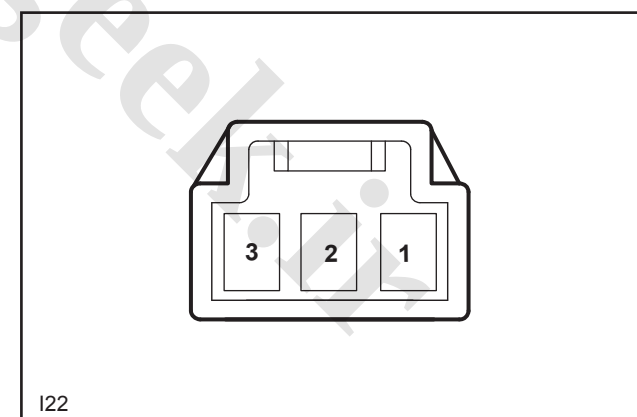
Back door switch



I21 Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	--	
3	0.50 B	
4	0.50 G/Y	
5	--	
6	0.50 Br/Y	

Cigarette lighter



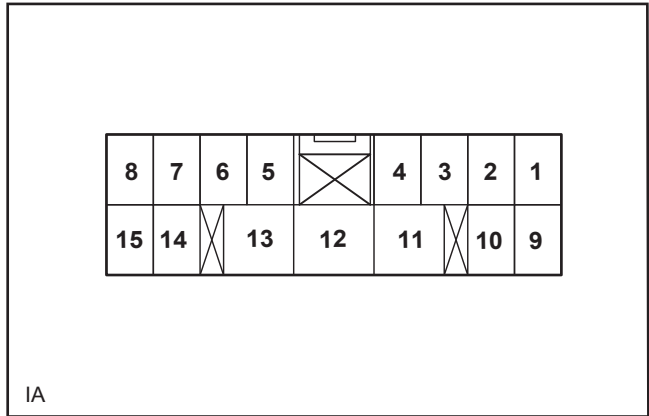
I22 Pin Definition

Pin Number	Color / Wire Width	Function
1	1.00 B	Ground
2	1.00 R/V	Power
3	0.50 G/Y	Background light power

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Harness Connector View

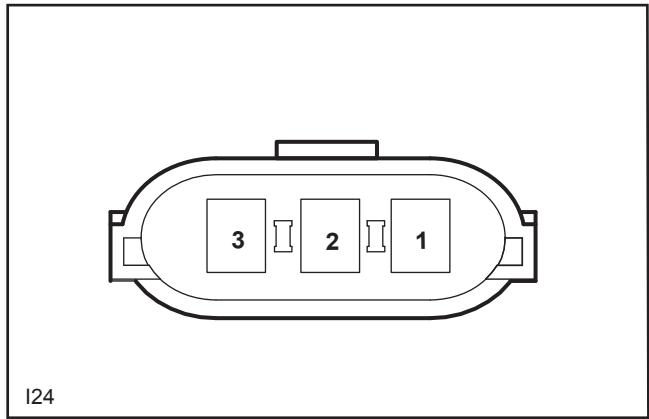
I/P harnesssto HVAC harness connector



IA Pin Definition

Pin Number	Color / Wire Width	Function
1	1.00 B	Ground
2	0.50 B/V	
3	0.50 G/W	
4	0.50 Br/W	Rear defroster relay control signal
5	0.50 Gr/P	A/C signal
6	0.50 G/Y	Background light power
7	0.50 W	
8	0.50 W	HVAC power 12V
9	0.50 O/B	
10	--	
11	3.00 B	Ground
12	3.00 Y	Blower Powr 12V
13	--	
14	--	
15	0.50 R/BI	

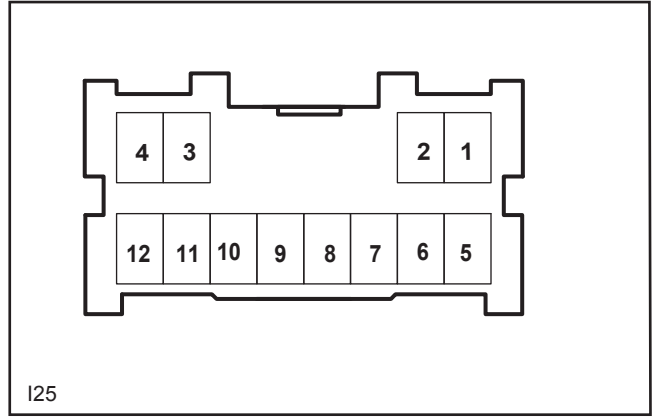
Anti-theft alarm connector



I24 Pin Definition

Pin Number	Color / Wire Width	
1	0.50 Br/W	Signal
2	--	
3	0.50 B	Ground

Multy-function discreen

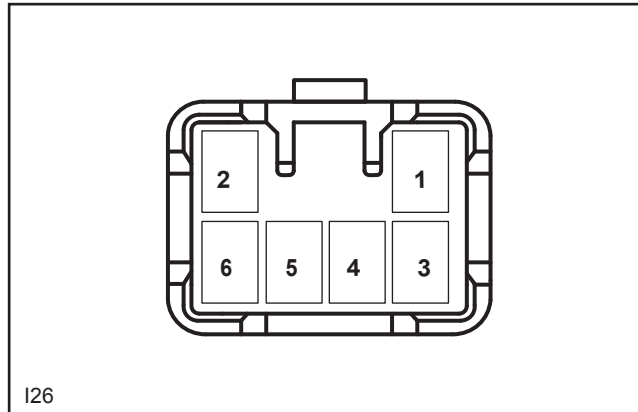


I25 Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	--	
3	--	
4	--	
5	0.50 R/V	Power 12V
6	0.50 BI	Power 12V
7	0.50 B	Ground
8	0.50 G/W	Ambient temperature signal
9	0.50 B	Ground
10	0.50 O/G	Vehicle speed signal
11	0.50 Y/B	Driver side seat belt switch signal
12	0.05 Y/W	Passenger side seat belt switch signal

Harness Connector View

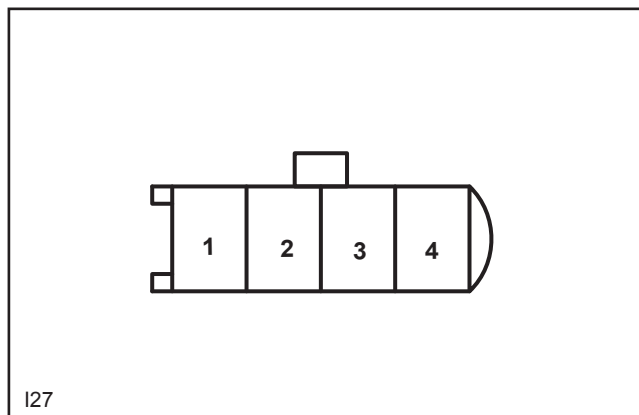
Hazard warning lamp switch connector



I26 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 B	Ground
2	0.50 G/Y	
3	0.50 G/Br	Power
4	0.50 G/B	Signal
5	--	
6	0.50 B	

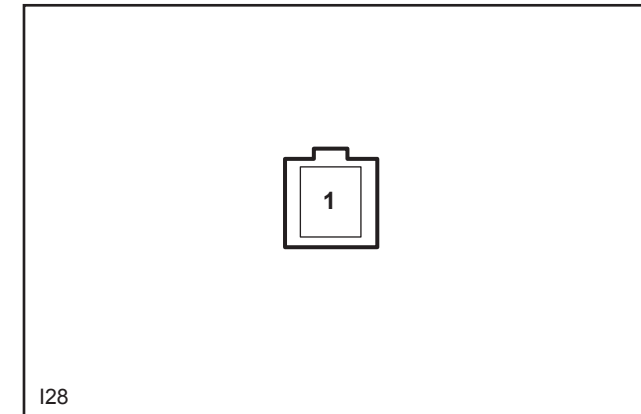
Rear oxygen sensor connector



I27 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 V/B	Ground
2	0.05 Gr	Signal
3	0.50 G	Heating signal
4	0.50 V	Power

Connector

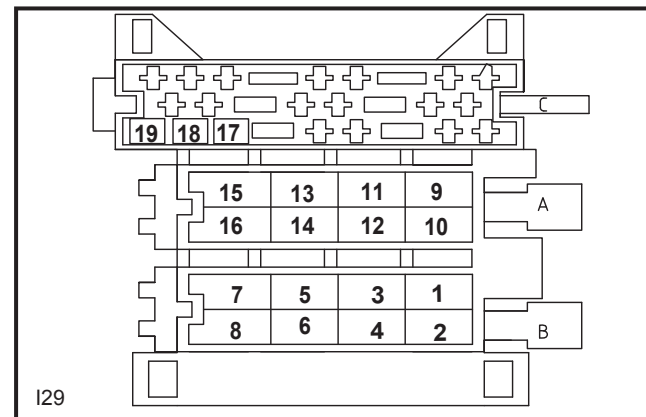


I28 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 V/R	

Harness Connector View

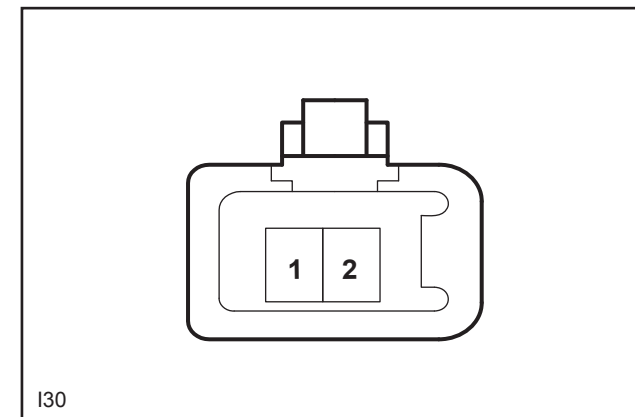
CD connector



I29 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 R/B	Sound volume +
2	0.50 R/W	Sound volume -
3	0.50 BI/B	Parking signal
4	0.50 V/R	ACC power
5	0.50 G/Y	Background light power
6	0.50 G/Br	Reverse signal
7	0.50 R/V	Power
8	0.50 B	Ground
9	0.50 V/B	RR speaker power +
10	0.50 V/W	RR speaker power -
11	0.50 V/Br	RF speaker power +
12	0.50 V/Gr	RF speaker power -
13	0.50 V/R	LF speaker power +
14	0.50 V/W	LF speaker power -
15	0.50 V/BI	LR speaker power +
16	0.50 V/G	LR speaker power -
17	0.50 V/G	Sound
18	0.50 V/B	Sound control
19	0.50 V/BI	Sound select

RF tweeter connector

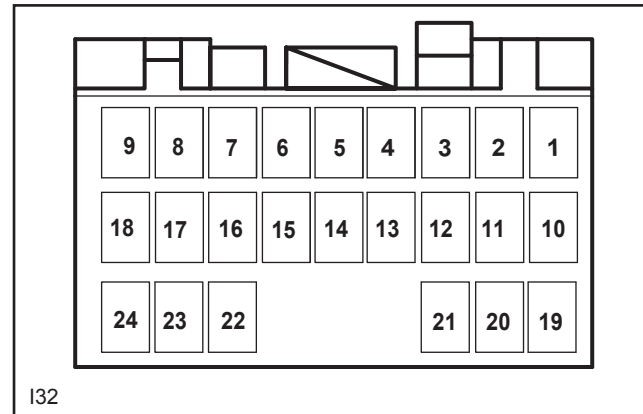


I30 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 V/Br	Power +
2	0.50 V/Gr	Power -

Harness Connector View

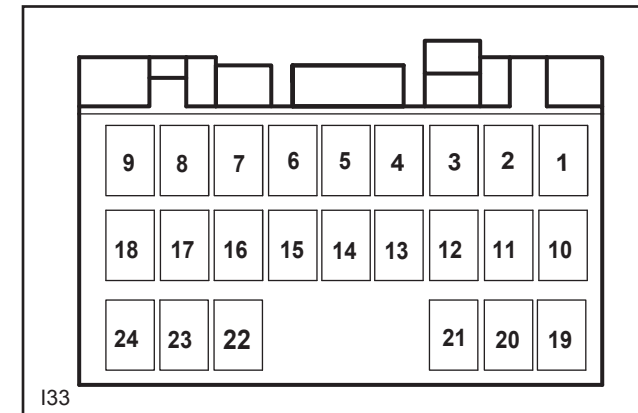
BCM connector



I32 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 Br/R	Power 12V
2	0.50 BI	Power 12V
3	0.50 Y	Signal for ignition switch coil light
4	0.50 V	Key insert signal
5	0.50 Y/R	LF window up signal
6	0.50 Y/P	LF window down signal
7	0.50 Y/W	RF window up signal
8	0.50 Y/V	RF window down signal
9	0.50 Y/G	LR window up signal
10	0.50 Y/G	LR window down signal
11	0.50 Y/P	RR window up signal
12	0.50 Y/Br	RR window down signal
13	0.50 G/B	
14	0.50 B/W	LF door lamp signal
15	0.50 B/Y	RF door lamp signal
16	0.50 B/P	LR door lamp signal
17	0.50 B/V	RR door lamp signal
18	0.50 B/Br	Back door switch signal
19	0.50 R/W	
20	--	
21	--	
22	0.50 B/G	LF lock open signal
23	0.50 B/BI	LF lock close signal
24	0.50 B/W	Signal

BCM connector



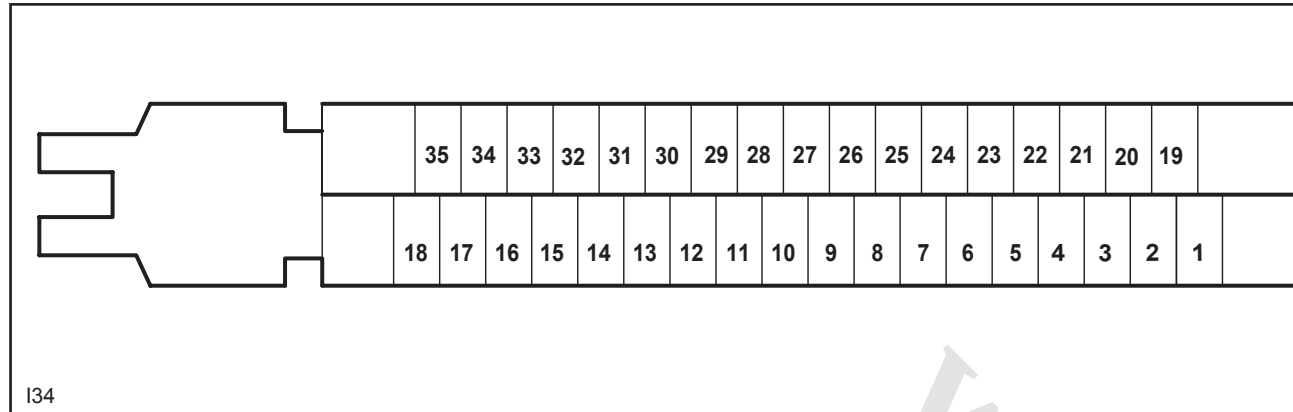
I33 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 G/B	Harzad warning lamp signal
2	0.50 G/Y	Right turn lamp signal
3	0.50 G/W	Left turn lamp signal
4	0.50 BI/R	Auto signal
5	0.50 BI/W	Low beam signal
6	0.50 BI/Gr	Position lamp signal
7	0.50 G/Br	Light sensor signal
8	0.05 P/Gr	Rear wiper signal
9	0.50 Br/B	IMMO indicator signal
10	--	
11	--	
12	0.50 Br/G	Central control switch close signal
13	0.50 Br/BI	Central control switch open signal
14	0.50 Br/Y	
15	0.50 R	Signal
16	0.50 P/W	
17	0.50 P/Br	Rear washer signal
18	0.50 P/Gr	Signal
19	--	
20	--	
21	--	
22	--	
23	0.50 P/W	SRS indicator signal
24	0.50 P/Br	

Harness Connector View

I/P Harness Connector(I--)

BCM connector



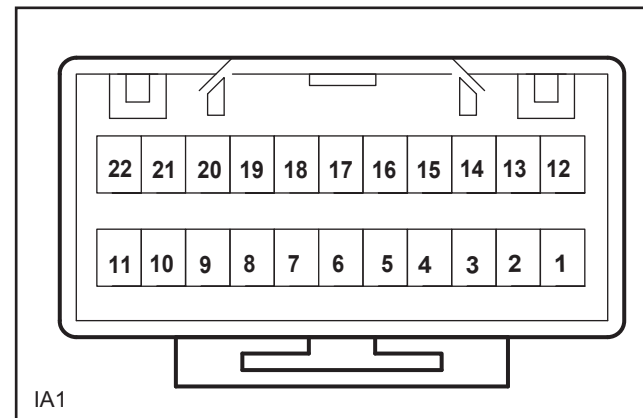
I34 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 Br/P	LF lock motor power +
2	0.50 Br/Gr	LF lock motor power -
3	0.50 Br/R	Trunk lock motor power
4	0.50 Br/W	Anti-theft alarm signal
5	--	
6	0.50 G/Gr	Front/middle dome lamp signal
7	0.50 BI	BCM power 12V
8	0.50 BI/Br	Headlamp control signal
9	0.50 G/Br	LR turn lamp power
10	0.50 G/R	RR turn lamp power
11	0.50 P/W	
12	0.50 P/Gr	Washer motor power +
13	0.50 P/Br	Washer motor power -
14	0.50 P/Y	Rear wiper motor power(High speed)
15	0.50 P/G	Rear wiper motor power(Low speed)
16	0.50 R/P	BCM power 12V
17	0.50 G/Br	Power output
18	0.50 G/R	Power output
19	0.50 Br/V	Lock motor power +
20	0.50 Br/P	Lock motor power -
21	0.50 Br	BCM power 12V
22	1.00 Y/Gr	RR power window motor power +
23	0.50 Y/B	RR power window motor power -

Pin Number	Color / Wire Width	Function
24	1.00 B	Ground
25	0.50 Y/V	LR power window motor power +
26	0.50 Y/Br	LR power window motor power -
27	0.50 R/Y	BCM power 12V
28	0.50 Y/BI	BCM power 12V
29	0.50 Y/P	RF power window motor power +
30	0.50 Y/G	RF power window motor power -
31	0.50 B	Ground
32	0.50 B	Ground
33	0.50 Y/W	Driver side power window motor power +
34	0.50 Y/R	Driver side power window motor power -
35	0.50 R	BCM power 12V

Harness Connector View

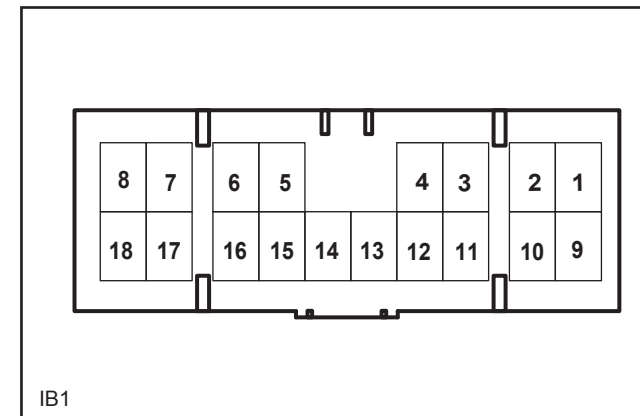
I/P harness to engine harness connector



IA1 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 P/G	K-line signal
2	--	
3	0.50 G/R	Reverse switch signal
4	0.50 G/Br	Power
5	0.50 BI/B	CAN-H
6	0.50 BIW	CAN-L
7	0.50 O/G	Vehicle speed signal
8	0.50 Gr	Rear oxygen sensor signal
9	0.50 B/O	Fuel pump relay signal
10	0.50 G	Rear oxygen sensor heating signal
11	0.50 O/BI	Vehicle speed signal
12	0.50 G/B	
13	0.50 G/W	Brake signal
14	0.50 G	OBD signal
15	0.50 V	Charging indicator signal
16	0.50 Y/B	Low engine oil pressure signal
17	0.50 Br	Coolant temperature signal
18	0.50 O/W	
19	0.50 W/BI	SVS signal
20	0.50 W/B	Engine speed signal
21	0.50 V/B	Ground
22	0.50 P/W	IMMO communication

I/P harness to engine compartment harness connector

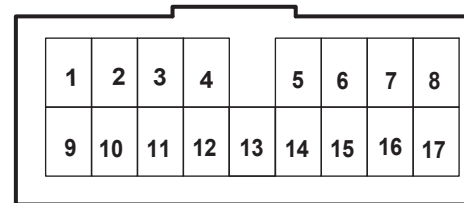


IB1 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 G/W	Brake signal
2	0.50 P/G	K-line signal
3	0.50 R/G	ABS indicator
4	--	
5	--	
6	--	
7	0.50 G/BI	
8	--	
9	--	
10	1.00 B/W	Power 12V(IG2)
11	0.50 BI/G	Front fog lamp relay control signal
12	0.50 BI/W	Headlamp level adjustment signal
13	--	
14	--	
15	--	
16	0.50 V	Power 12V(IG2)
17	0.50 BI	Power 12V
18	0.50 P/B	Signal

Harness Connector View

I/P harness to engine compartment harness connector

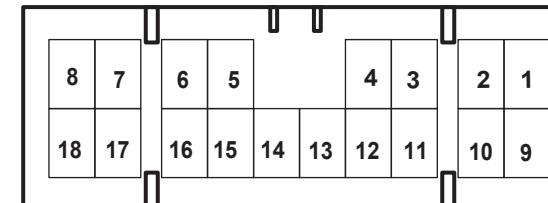


IB2

IB2 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 P/BI	Front wiper motor power(High speed)
2	1.00 P/Y	Power
3	0.50 P/G	Front wiper motor power(Low speed)
4	--	
5	0.50 BI	Relay signal
6	0.50 BI/Br	Low brake fluid level signal
7	0.50 BI/Y	Power 12V
8	0.50 BI/V	Relay signal
9	0.50 BI/Y	Power 12V
10	--	
11	0.50 BI/Br	Signal
12	--	
13	1.00 W	Power
14	--	
15	0.50 BI/W	Power 12V
16	--	
17	0.50 P/R	MIST gear signal

I/P harness to engine compartment harness connector



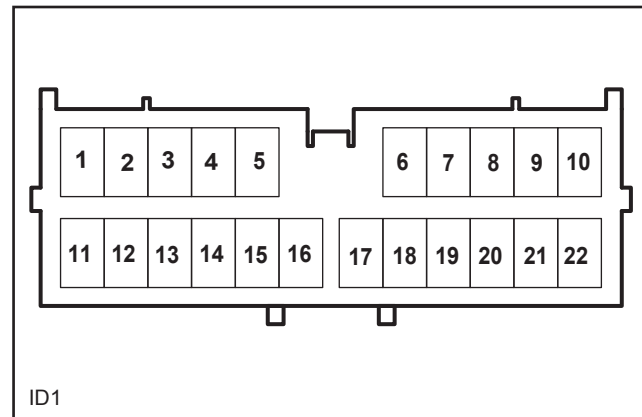
IB3

IB3 Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	1.00 R/BI	Power 12V
3	0.50 Br/G	Wheel speed sensor(LR) power -
4	0.50 Br/P	Wheel speed sensor(LR) power +
5	0.50 G/B	
6	0.50 G/Br	Power 12V
7	0.50 B/O	Fuel pump relay control signal
8	--	
9	0.50 G/W	Ambient temperature sensor signal
10	0.50 P/Gr	Washer motor power +
11	0.50 Br/Y	Wheel speed sensor(RR) power -
12	0.50 Br/W	Wheel speed sensor(RR) power +
13	0.50 P/Br	Washer motor power -
14	0.50 Gr/P	A/C signal
15	0.50 P/W	
16	0.50 G/R	Power 12V
17	0.50 BI/B	Power 12V
18	--	

Harness Connector View

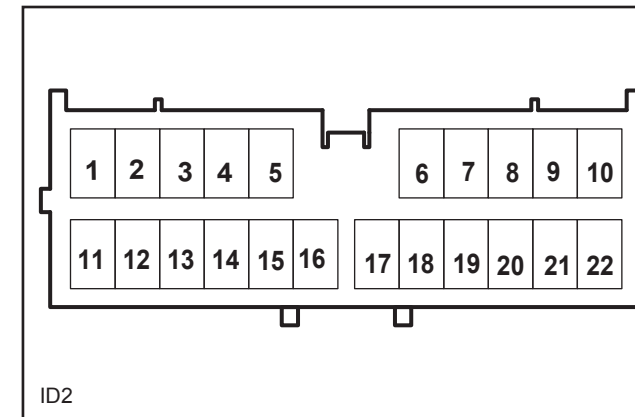
I/P harness to body harness connector



ID1 Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	1.00 G	
3	0.50 Y/B	Driver side seat belt switch signal
4	1.00 P	Power 12V
5	0.50 Y/G	LR window down signal
6	1.00 V/W	
7	0.50 V/G	Reverse radar power -
8	0.50 V/B	Reverse radar power +
9	0.50 Br/R	Trunk lock motor power
10	0.50 B/W	LR door lamp signal
11	0.50 V/BI	LR speaker power +
12	0.50 V/G	LR speaker power -
13	--	
14	0.50 Y/W	Passenger side seat belt switch signal
15	0.50 B/W	LR door lamp signal
16	--	
17	0.50 P/Y	Rear wiper motor power(High speed)
18	0.50 G/Br	LR turn lamp power
19	0.50 G/Br	Power 12V
20	0.50 P/G	Rear wiper motor power(Low speed)
21	0.50 Y/G	LR window up signal
22	0.50 R/B	Fuel level sensor signal

I/P harness to body harness connector

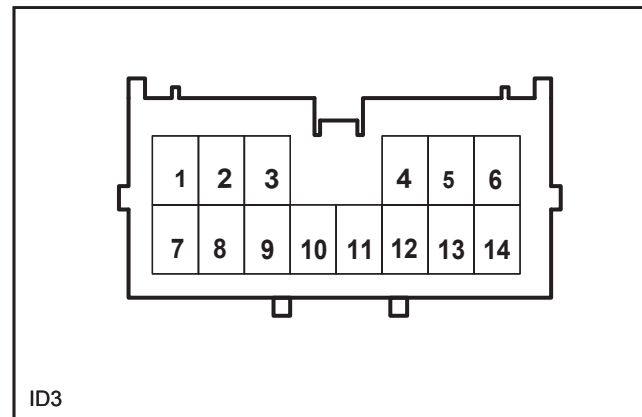


ID2 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 G/W	Power 12V
2	0.50 V/B	RR speaker power +
3	1.00 Y/Gr	RR power window motor power +
4	0.50 V/W	RR speaker power -
5	0.50 B/V	RR door lamp signal
6	0.50 BI	Power 12V
7	0.50 BI/B	Parking switch signal
8	0.50 B/Y	RF door lamp signal
9	0.50 G/R	RR turn lamp power
10	0.50 Y/Br	RR window down signal
11	0.50 B/Br	Back door switch signal
12	--	
13	--	
14	1.00 Y/B	RR power window motor power -
15	0.50 V/W	Reverse radar(R) signal
16	0.50 V/BI	Reverse radar(L) signal
17	0.50 G/Y	Power 12V
18	0.50 R/G	Power 12V
19	--	
20	0.50 Y/R	RR window up signal
21	0.50 Br/V	LR lock motor power +
22	0.50 Br/R	LR lock motor power -

Harness Connector View

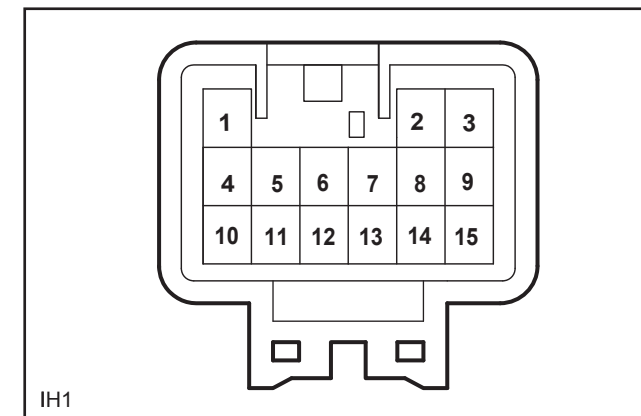
I/P harness to body harness connector



ID3 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 Br/G	LR wheel speed sensor signal -
2	0.50 Br/P	LR wheel speed sensor signal +
3	0.50 Y/B	Safety lock signal
4	--	
5	1.00 R/Bl	Fuel pump power 12V
6	0.50 G/Br	Power 12V
7	0.50 Br/Y	RR wheel speed sensor signal -
8	0.50 Br/W	RR wheel speed sensor signal +
9	0.50 Y/Br	LR power window motor power -
10	0.50 Y/V	LR power window motor power +
11	--	
12	--	
13	--	
14	--	

I/P harness to door harness connector

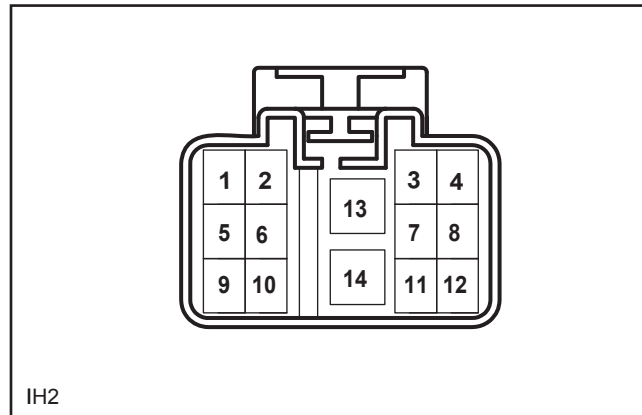


IH1 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 G/Br	Power 13V
2	--	
3	--	
4	0.50 Y/R	LF window up signal
5	0.50 Y/G	Power 12V
6	0.50 Y/P	LF window down signal
7	0.50 R/G	LF door lamp power 12V
8	0.50 Y/Gr	Power/Ground
9	0.50 Br/P	
10	0.50 Y/W	Power 12V
11	0.50 P	Power 12V
12	0.50 V/W	LF speaker power -
13	0.50 V/P	LF speaker power +
14	0.50 B	Ground
15	0.50 B/W	LF door lamp signal

Harness Connector View

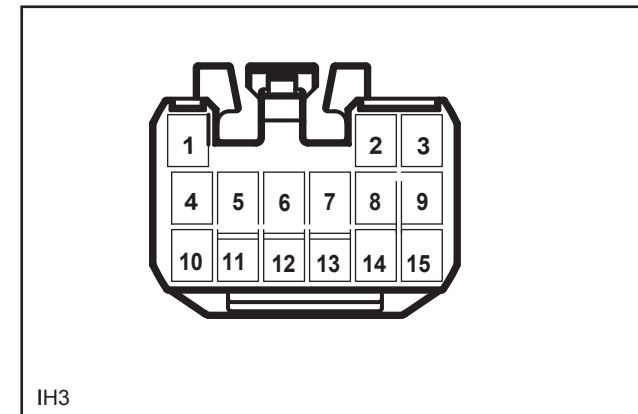
I/P harness to door harness connector



IH2 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 G/Y	Power 12V
2	0.50 Y/G	LR window up signal
3	0.50 Y/B	Safety lock signal
4	0.50 B/G	LR window down signal
5	0.50 Y/R	RR window up signal
6	0.50 Y/Br	RR window down signal
7	0.50 Y/W	RF window up signal
8	0.50 Y/V	RF window down signal
9	0.50 Br/Gr	LF lock motor power -
10	0.50 B/W	Signal
11	0.50 B/G	LF lock open signal
12	0.50 Br/BI	LF lock close signal
13	1.00 Y/W	Driver side power window motor power+
14	1.00 Y/R	Driver side power window motor power-

I/P harness to door harness connector

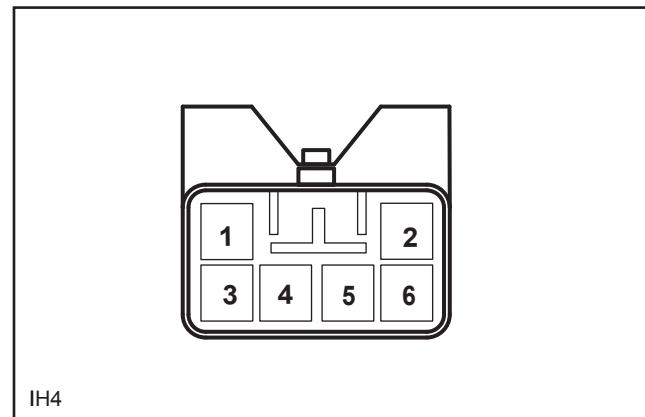


IH3 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 Y/BI	RF power window motor power +
2	--	
3	0.50 Y/G	RF power window motor power -
4	--	
5	0.50 R/G	RF door lamp power 12V
6	0.50 B/G	RF door lamp signal
7	0.50 Y/B	Safety lock signal
8	0.50 Y/Br	Power/Ground
9	--	
10	0.50 G/Y	Power 12V
11	0.50 Y/G	Power 12V
12	0.50 Y/V	RF window down signal
13	0.50 G/R	Power 12V
14	0.50 Y/W	RF window up signal
15	0.50 Y/G	Power 12V

Harness Connector View

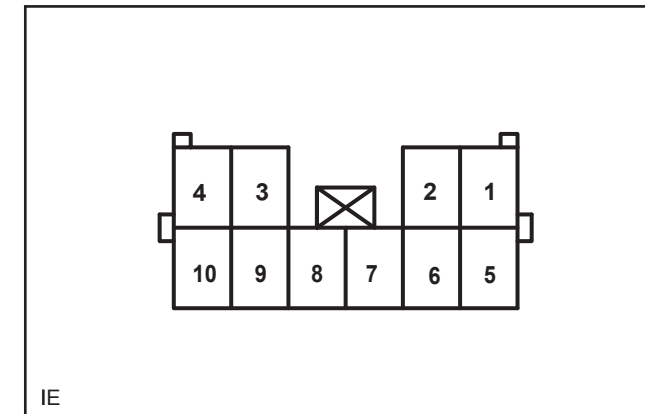
I/P harness to door harness connector



IH4 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 B	Ground
2	0.50 Br/P	RR lock motor power -
3	0.50 Br/V	RR lock motor power +
4	0.50 V/Br	RF speaker power +
5	0.50 p	Power 12V
6	0.50 V/Gr	RF speaker power -

I/P harness to roof harness connector



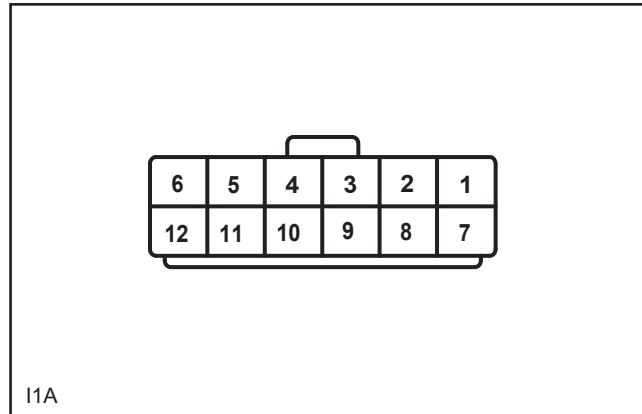
IE Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	0.50 B	Ground
3	0.50 B/Br	Rear dome lamp switch
4	0.50 BI	Power 12V(Sunroof)
5	0.50 R	Signal
6	0.50 G/Gr	Front/middle dome lamp signal
7	--	
8	--	
9	0.50 R	Power 12V(Sunroof)
10	0.50 R/G	Dome lamp power 12V

Harness Connector View

I/P Harness Connector(I--)

I/P harness to I/P fuse and relay box harness connector

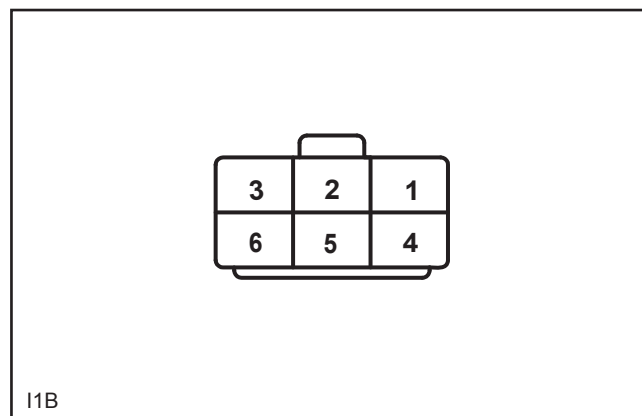


I1A

I1A Pin Definition

Pin Number	Color / Wire Width	Function
1	3.00 Y	Blower power 12V
2	0.50 W	HVAC power 12V
3	1.00 B	Blower relay ground
4	1.00 B/Y	
5	0.50 BI	Power 12V
6	--	
7	3.00 B/W	Power 12V(IG2)
8	--	
9	--	
10	--	
11	0.50 G/Br	Power 12V
12	--	

I/P harness to I/P fuse and relay box harness connector

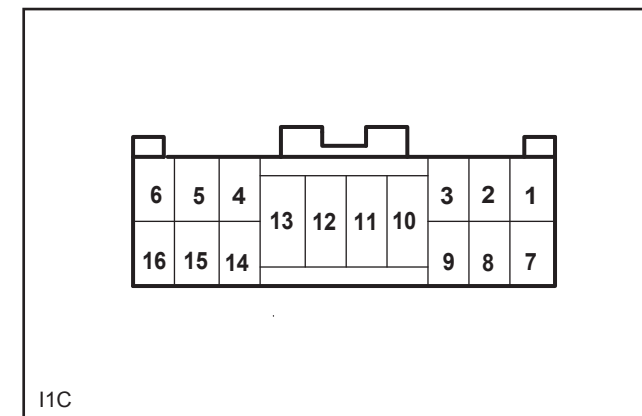


I1B

I1B Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	0.50 Br/W	Relay signal
3	2.00 P	Power 12V
4	--	
5	0.75 Br	Power 12V
6	1.00 w	Alternator power output

I/P harness to I/P fuse and relay box harness connector



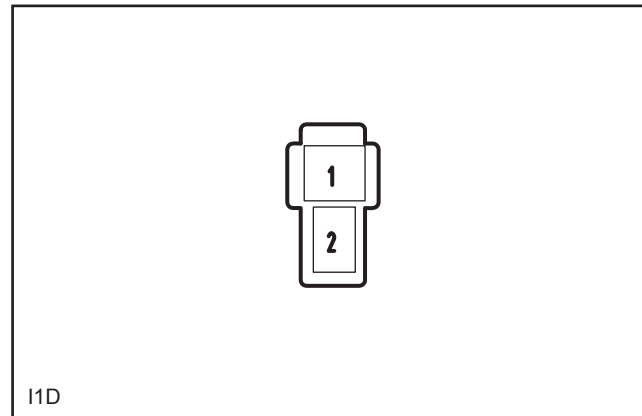
I1C

I1C Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 W/BI	
2	0.50 Y	Instrument cluster power 12V
3	0.50 R/V	CD power 12V
4	0.50 P	Power 12V
5	0.50 R	
6	0.50 R	Power 12V
7	--	
8	--	
9	--	
10	--	
11	--	
12	0.50 Br/R	Power 12V
13	0.50 BI/B	Power 12V
14	0.50 G/B	Relay signal
15	0.50 G/BI	Power 12V
16	0.50 G/Br	Power 12V

Harness Connector View

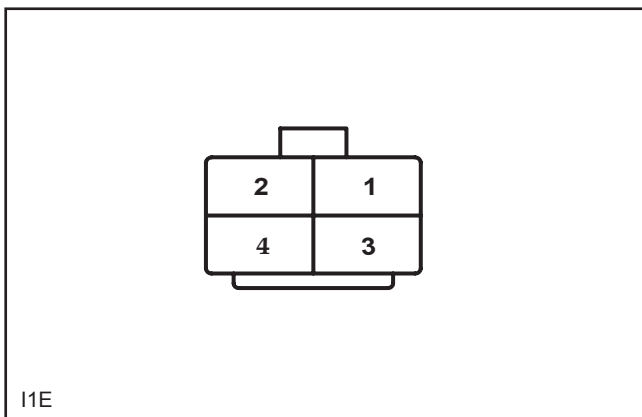
I/P harness to I/P fuse and relay box harness connector



I1D Pin Definition

Pin Number	Color / Wire Width	Function
1	3.00 BI/R	Power 12V(ST/IG2)
2	3.00 Br	Power 12V(ACC/IG1)

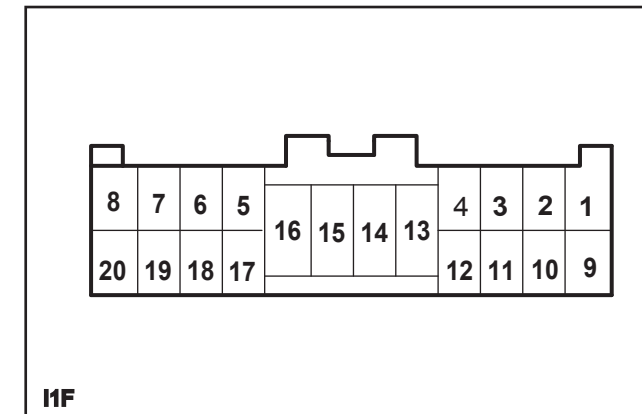
I/P harness to I/P fuse and relay box harness connector



I1E Pin Definition

Pin Number	Color / Wire Width	Function
1	1.00 V/W	
2	--	
3	1.00 R/Y	BCM power 12V
4	--	

I/P harness to I/P fuse and relay box connector

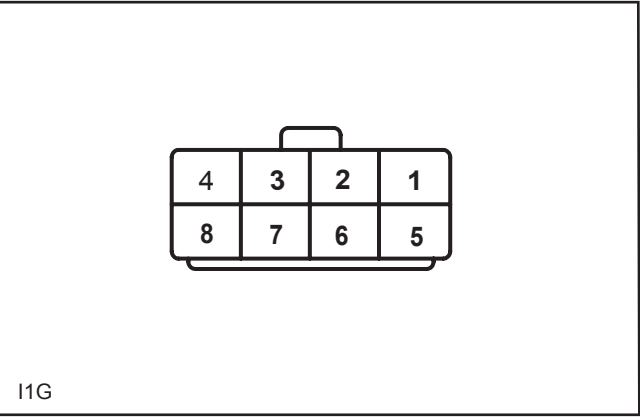


I1F Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	0.50 BI/Y	Brake lamp power 12V
3	--	
4	--	
5	--	
6	--	
7	0.50 V/R	Gigarette lighter power 12V
8	0.50 R/V	
9	0.50 R	BCM Power 12V
10	--	
11	--	
12	--	
13	2.00 R/P	BCM power 12V
14	0.50 R/G	Power 12V
15	0.50 V/R	
16	--	
17	--	
18	--	
19	--	
20	0.50 R/Y	Power rear view mirror power 12V

Harness Connector View

To I/P Harness to I/P fuse and relay harness connector



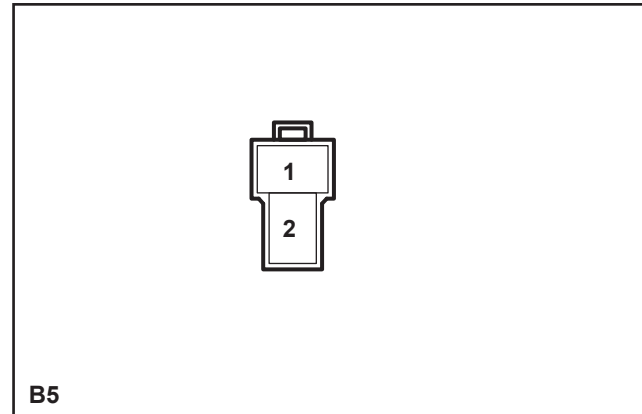
I1G Pin Definition

Pin Number	Color / Wire Width	Function
1	3.00 V	Power 12V(ACC)
2	2.00 R/BI	Power 12V(IG1)
3	0.50 R	SRS ECU power 12V
4	2.00 P	Power 12V
5	--	
6	--	
7	0.50 Y	
8	--	

Harness Connector View

Body Harness Connector (B--)

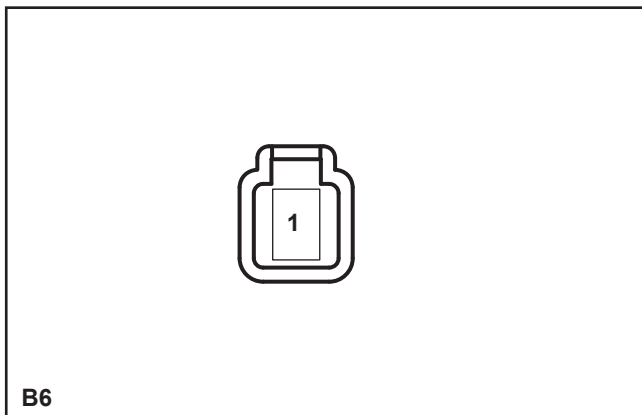
Drive Side Seat Belt Connector



B5 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Y/B	Signal
2	0.50 B	Ground

RF Door Lamp Switch Connector

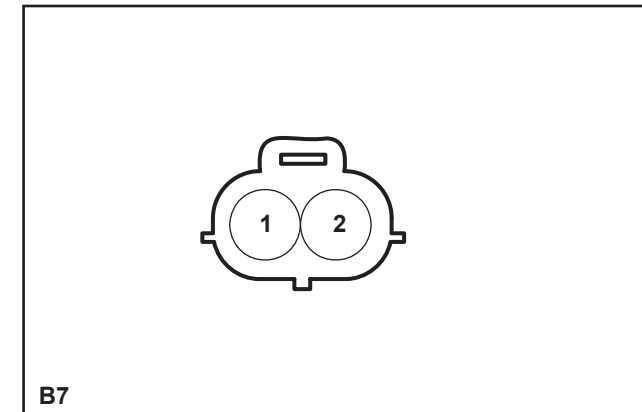


B6 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B/Y	Signal

Body Harness Connector (B--)

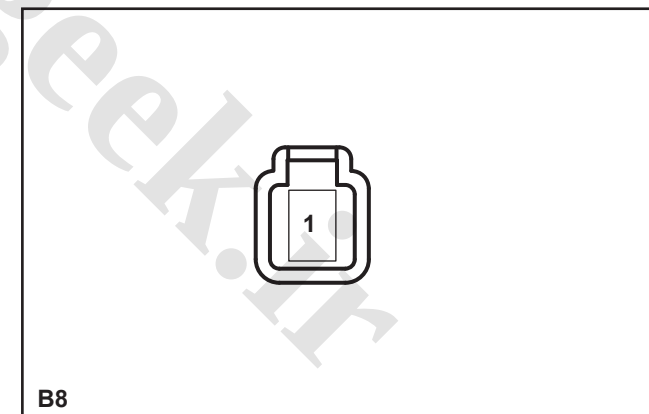
Body Harness to ABS Sensor Connector



B7 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Br/W	Signal +
2	0.50 Br/Y	Signal -

RR Door Lamp Connector



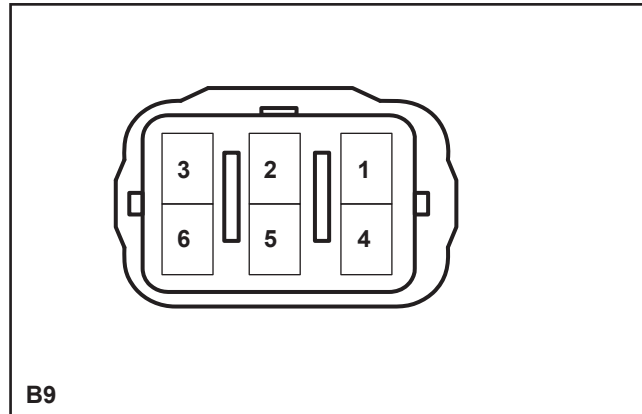
B8 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B/V	Signal

Harness Connector View

Body Harness Connector (B--)

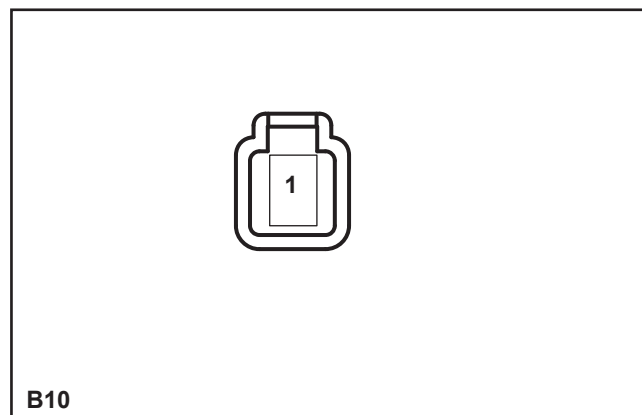
Body Harness to Tail lamp Connector



B9 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B	Ground
2	0.50 B	Ground
3	0.50 G/P	Turn lamp power
4	0.50 G/Br	Reverse lamp power
5	1.00 G/W	Brake lamp power
6	0.50 BI	Position lamp power

LF Door Lamp Connector

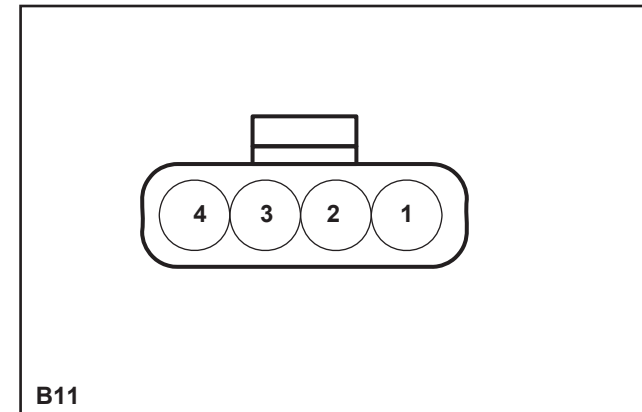


B10 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B/W	Signal

Body Harness Connector (B--)

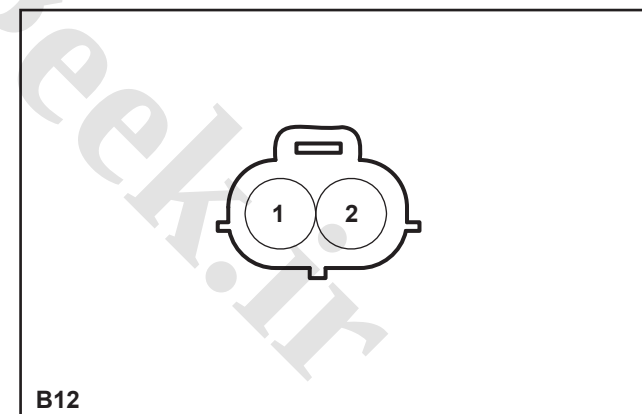
Body Harness to Fuel pump Connector



B11 Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 B	Ground
2	1.00 R/BI	Power 12V
3	0.50 B	Ground
4	0.50 R/B	Fuel level signal

LR Wheel Speed Sensor Connector



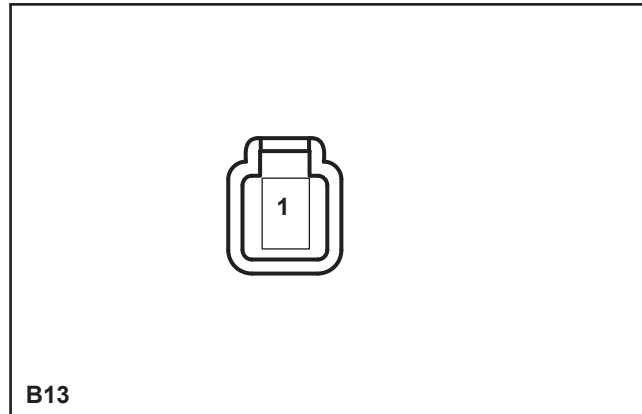
B12 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Br/P	Signal +
2	0.50 Br/G	Signal -

Harness Connector View

Body Harness Connector (B--)

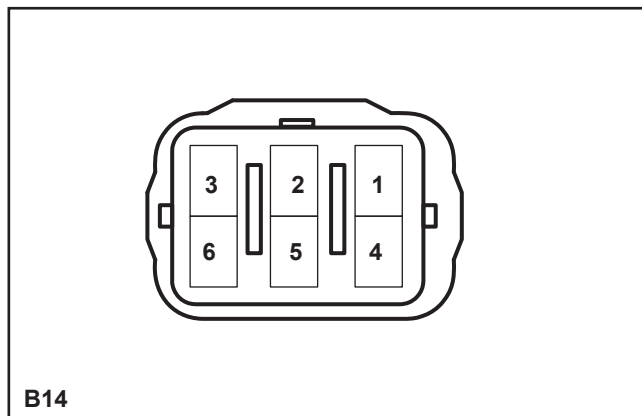
LR Door Lamp Switch Connector



B13 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B/W	Signal

Tail Lamp Connector (L)

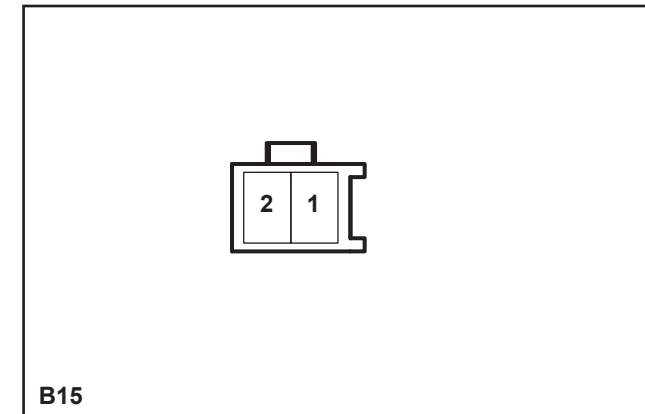


B14 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B	Ground
2	0.50 B	Ground
3	0.50 G/Br	Turn lamp power
4	0.50 G/Br	Reverse lamp power
5	0.50 G/W	Brake lamp power
6	0.50 BI	Position lamp power 12V

Body Harness Connector (B--)

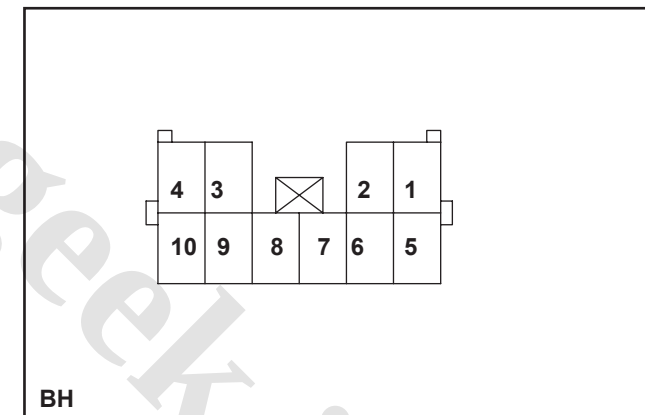
High-mounted Brake Lamp Connector



B15 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B	Ground
2	0.50 G/W	Power 12V

Body Harness to High-mount Brake Lamp Connector



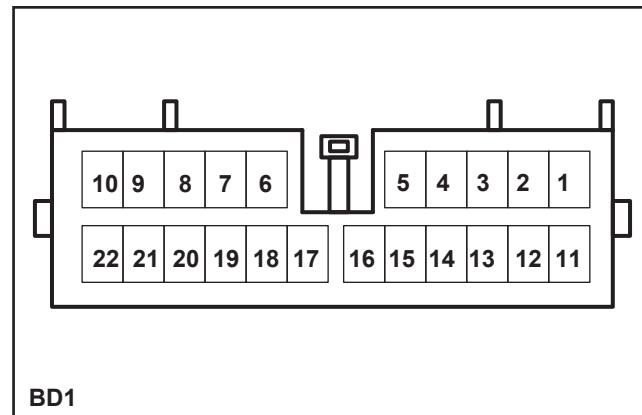
BH Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 P	Power 12V
2	--	
3	0.50 BI	
4	0.50 B/Br	Back door switch signal
5	1.00 Br/R	
6	0.50 P/Y	Rear wiper motor power (High speed)
7	0.50 P/G	Rear wiper motor power (Low speed)
8	--	
9	--	
10	0.50 Br/V	

Harness Connector View

Body Harness Connector (E--)

Body Harness to Door Harness Connector

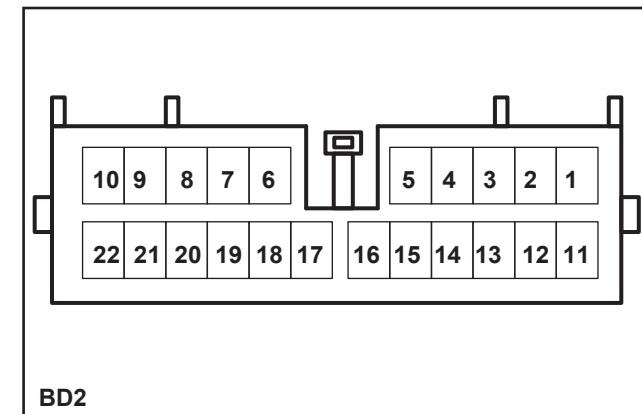


BD1 Pin Definition

Pin Number	Wire Width / Color	Function
1	--	
2	1.00 G	
3	0.50 Y/B	Driver side seat belt switch signal
4	1.00 P	Power 12V
5	0.50 Y/G	LR window down signal
6	1.00 V/W	
7	0.50 V/G	Reverse radar power -
8	0.50 V/B	Reverse radar power +
9	0.50 Br/R	Trunk lock motor power
10	0.50 B/W	
11	0.50 V/BI	LR speaker power +
12	0.50 V/G	LR speaker power -
13	--	Passenger side seat belt switch signal
14	0.50 Y/W	LF door lamp signal
15	0.50 B/W	
16	--	
17	0.50 P/Y	Rear wiper motor power (High speed)
18	0.50 G/R	LR turn lamp power
19	0.50 G/Br	Power 12V
20	0.50 P/G	Rear wiper motor power (Low speed)
21	0.50 Y/BI	LR window up signal
22	0.50 R/B	Fuel level sensor signal

Body Harness Connector (E--)

Body Harness I/P Harness Connector



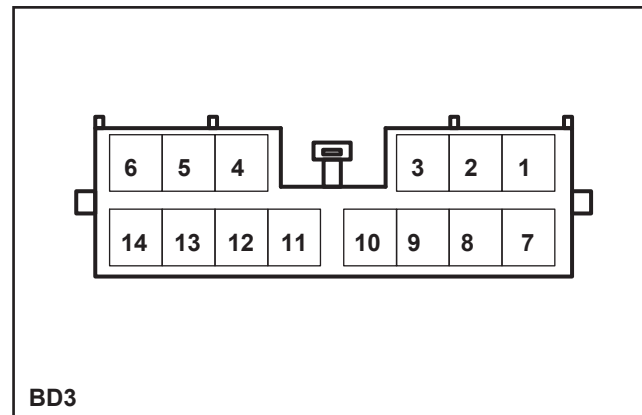
BD2 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 G/W	Power 12V
2	0.50 V/B	RR speaker power +
3	1.00 Y/Gr	RR power window motor power +
4	0.50 V/W	RR speaker power -
5	0.50 B/V	RR window down signal
6	0.50 BI	Power 12V
7	0.50 BI/B	Paking switch signal
8	0.50 B/Y	RF door lamp signal
9	0.50 BI/V	RR turn lamp power
10	0.50 Y/Br	RR window down signal
11	0.50 B/Br	Back door switch signal
12	--	
13	--	
14	1.00 Y/B	RR power window motor power -
15	0.50 V/W	Reverse radar (R) signal
16	0.50 V/BI	Reverse radar (L) signal
17	0.50 G/Y	Power 12V
18	0.50 R/G	Power 12V
19	--	
20	0.50 Y/P	RR window up signal
21	0.50 Br/V	LR lock motor power +
22	0.50 Br/V	LR lock motor power +

Harness Connector View

Body Harness Connector (B--)

Body Harness to Door Harness Connector

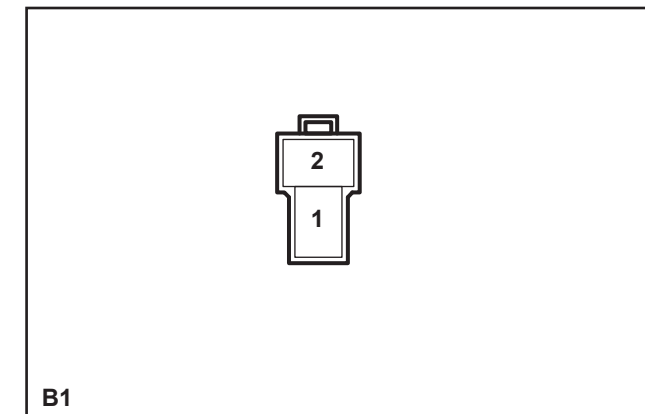


BD3 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Br/G	LR wheel speed sensor signal -
2	0.50 Br/P	LR wheel speed sensor signal +
3	0.50 Y/B	Safety lock signal
4	--	
5	1.00 R/Bl	Fuel pump power 12V
6	0.50 G/Br	Power 12V
7	0.50 Br/Y	RR wheel speed sensor signal -
8	0.50 Br/W	RR wheel speed sensor signal +
9	1.00 Y/Br	LR Power window motor power -
10	1.00 Y/V	LR Power window motor power +
11	--	
12	--	
13	--	
14	--	

Body Harness Connector (B--)

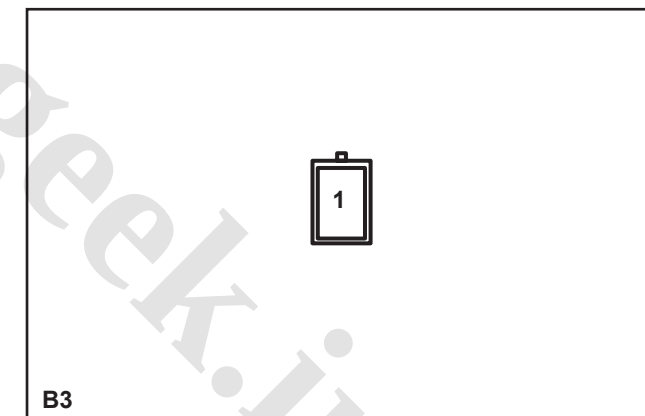
Passenger Side Seat Belt Switch Connector



B1 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B	Signal
2	0.50 Y/W	Ground

Parking Brake Connector



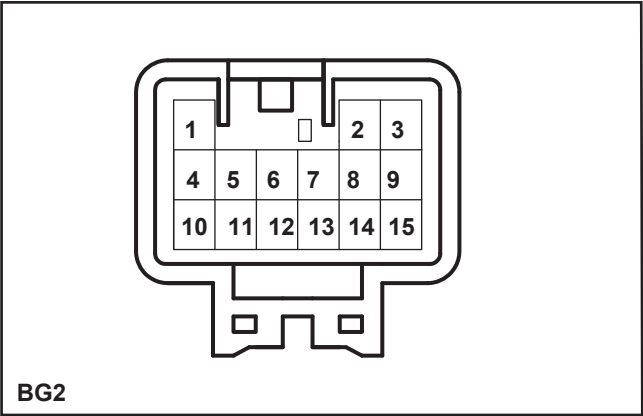
B3 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Bl/B	Signal

Harness Connector View

Body Harness Connector (B--)

Body Harness to Door Harness Connector



BG2 Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 Y/V	LR power window motor power +
2	--	
3	1.00 Y/Br	LR power window motor power -
4	0.50 B/W	LR door lamp signal
5	0.50 Y/BI	LR window up signal
6	0.50 Y/G	RR window down signal
7	0.50 G/Y	Power 12V
8	--	
9	0.50 Y/B	Safety lock signal
10	0.50 V/BI	LR speaker power +
11	0.50 B	
12	0.50 Br/V	LR Lock motor power +
13	0.50 Br/V	LR Lock motor power -
14	0.50 V/G	LR speaker power -
15	0.50 R/G	LR door lamp power 12V

A 2x6 grid of boxes. The top row contains boxes with numbers 4, 3, a box with an 'X' (missing), 2, and 1. The bottom row contains boxes with numbers 10, 9, 8, 7, 6, and 5. There are small square tabs on the top and bottom edges of the grid.

[illegible]

Diagram of a BG1 connector. The connector has a 3x6 grid of pins numbered 1 to 15. The pins are arranged as follows:

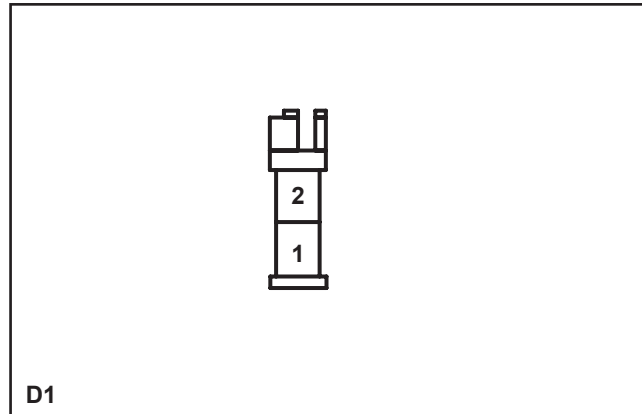
1				2	3
4	5	6	7	8	9
10	11	12	13	14	15

Pin Number	Wire Width / Color	Function
1	1.00 Y/Gr	RR power window motor power +
2	--	
3	1.00 Y/B	RR power window motor power -
4	0.50 Y/P	RR window up signal
5	0.50 G/Y	Power 12V
6	0.50 Y/B	Safety lock signal
7	0.50 B/G	RR door lamp power 12V
8	0.50 V/W	RR speaker power -
9	0.50 B	
10	0.50 V/B	RR speaker power +
11	--	
12	0.50 Y/Br	RR window down signal
13	0.50 B/V	RF door lamp signal
14	0.50 Br/V	RR lock motor power +
15	0.50 Br/O	RR lock motor power -

Harness Connector View

Door Harness Connector (D--)

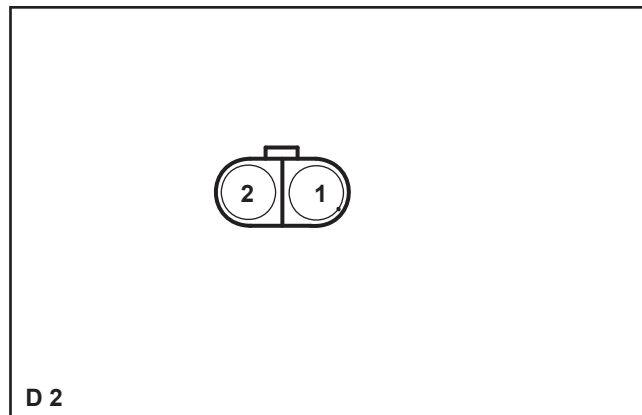
LF Speaker Connector



D1 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 V/W	Power -
2	0.50 V/Br	Power +

Driver Side Power Window Motor Connector

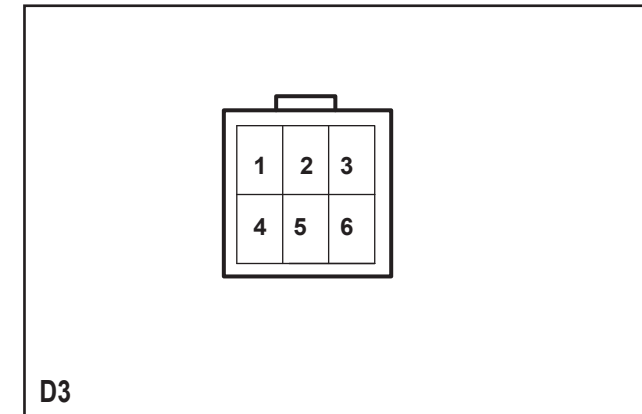


D2 Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 Y/W	Power +
2	1.00 Y/R	Power -

Door Harness Connector (D--)

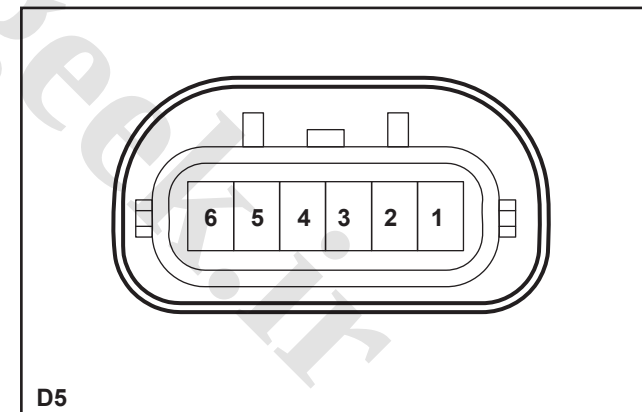
Rear View Mirror (L) Connector



D3 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Y/G	Power/Ground
2	0.50 P	Turn lamp power
3	0.50 G/Br	Power
4	0.50 Y/W	Power/Ground
5	0.50 Y/Gr	Power/Ground
6	0.50 B	Ground

LR Lock Motor Connector

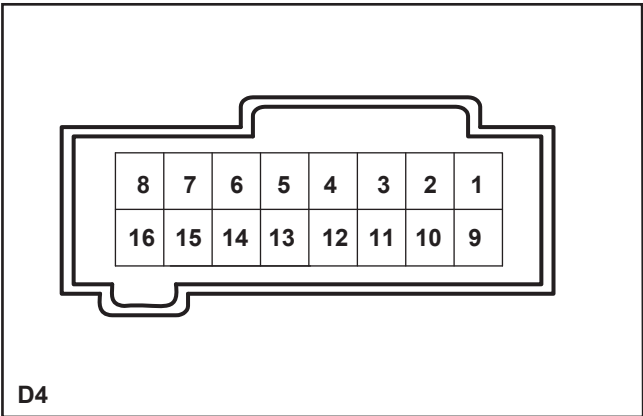


D5 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Br/P	Motor power +
2	0.50 Br/Gr	Motor power +
3	0.50 B/Bl	Close signal
4	0.50 B/G	Open signal
5	0.50 B	Ground
6	0.50 B/W	Signal

Door Harness Connector (D--)

Driver Side Power Window Swicth Connector

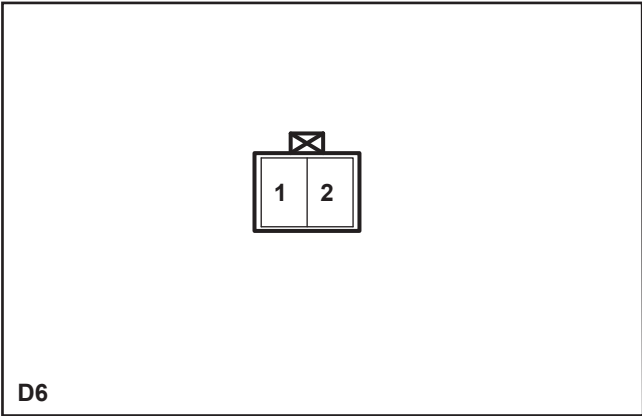


D4 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Y/P	LF window down signal
2	0.50 Y/R	LF window up signal
3	0.50 R/G	Power 12V
4	— —	
5	— —	
6	0.50 Y/B	Safety lock signal
7	0.50 Y/G	LR window down signal
8	0.50 Y/Bl	LR window up signal
9	0.50 Y/V	RF window down signal
10	0.50 Y/W	RF window up signal
11	0.50 G/Y	Background light power 12V
12	— —	
13	0.50 B	Ground
14	— —	
15	0.50 Y/Br	RR window down signal
16	0.50 Y/P	RR window up signal

Door Harness Connector (D--)

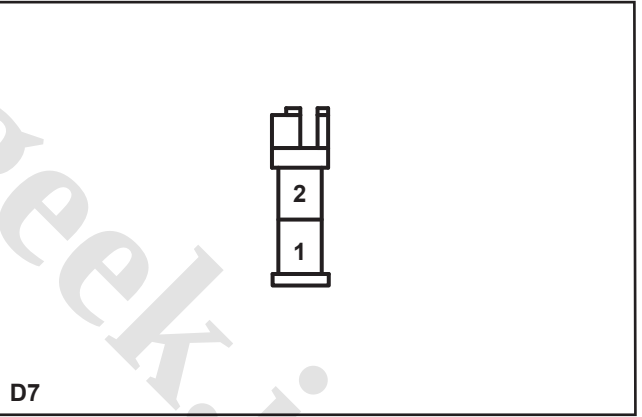
LF Door Lamp Connector



D6 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 R/G	Power 12V
2	0.50 B/W	Ground

Left Speaker Connector

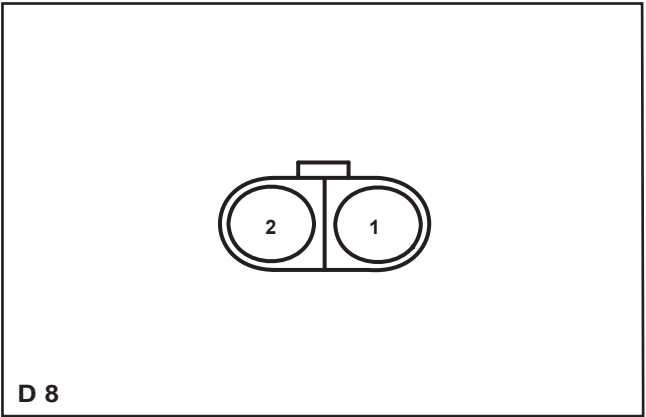


D7 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 V/Br	Power +
2	0.50 V/W	Power -

Door Harness Connector (D--)

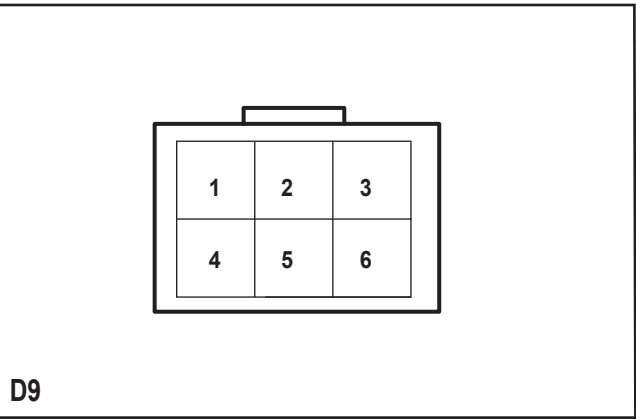
RF Window Motor Connector



D8 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Y/BI	Power +
2	0.50 Y/G	Power -

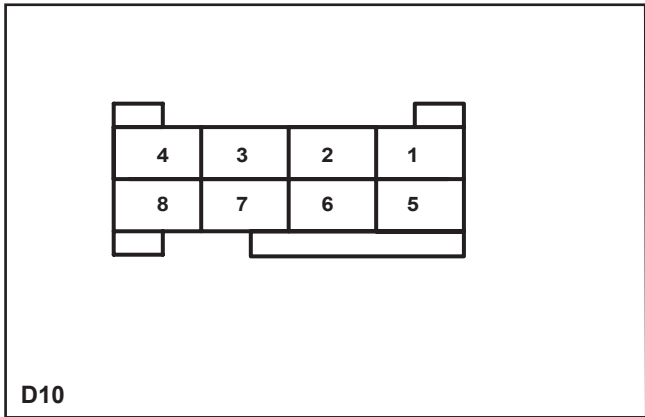
Rear View Mirror (R) Connector



D9 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Y/G	Power/Ground
2	0.50 P	Turn lamp power 12V
3	0.50 G/Br	Power
4	0.50 Y/G	Power/Ground
5	0.50 Y/Br	Power/Ground
6	0.50 B	Ground

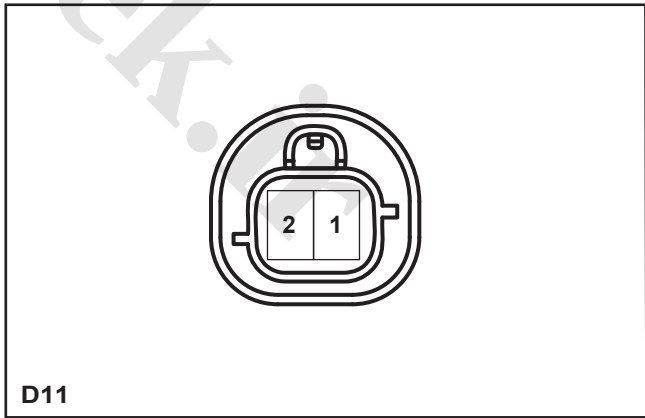
RF Power Window Switch Connector



D10 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Y/W	RF window up signal
2	-- --	
3	-- --	
4	-- --	
5	0.50 Y/B	Safety lock signal
6	0.50 B	
7	0.50 Y/V	RF window down signal
8	0.50 Br/P	Power

RF Lock Motor Connector

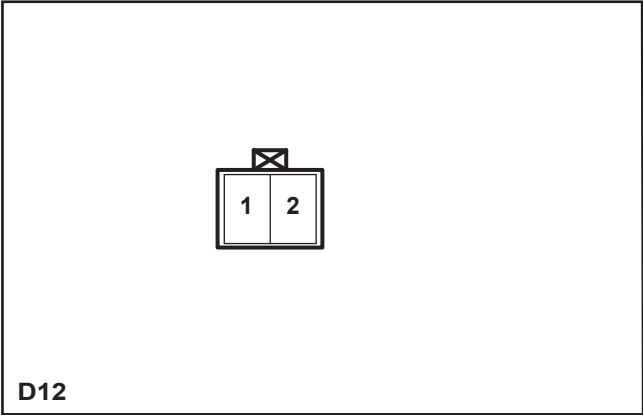


D11 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Br/P	Power -
2	0.50 Br/V	Power +

Door Harness Connector (D--)

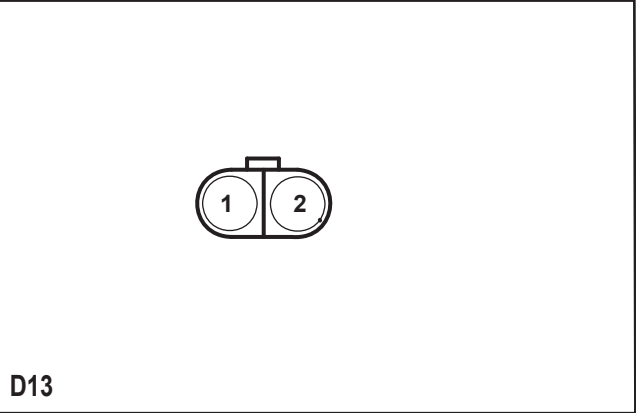
RF Door Lamp Connector



D12 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 R/G	Power 12V
2	0.50 B/Y	Ground

LR Powe Window Motor Connector

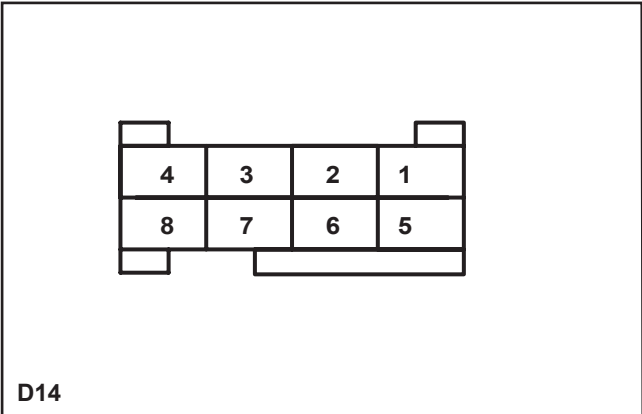


D13 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Y/V	Power +
2	0.50 Y/Gr	Power -

Door Harness Connector(D--)

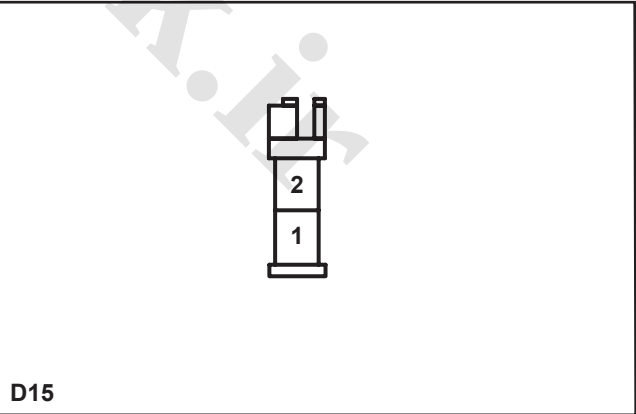
LR Power Window Switch Connector



D14 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Y/BI	LR wind up signal
2	-- --	
3	-- --	
4	-- --	
5	0.50 Y/B	Safety lock signal
6	0.50 B	Ground
7	0.50 Y/G	LR window down signal
8	0.50 G/Y	Power

LR Speaker Connector



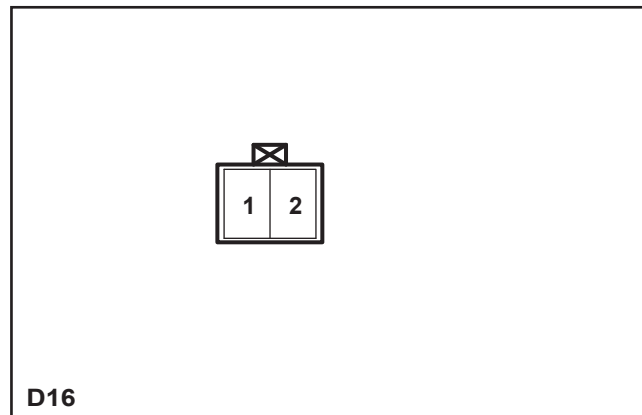
D15 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 V/G	Power -
2	0.50 V/BI	Power +

Harness Connector View

Door Harness Connector (D--)

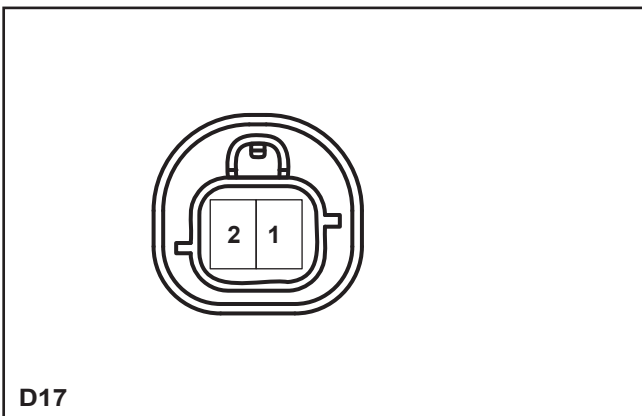
LR Door Lamp Connector



D16 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 R/G	Power 12V
2	0.50 B/W	Ground

LR Lock Motor Connector

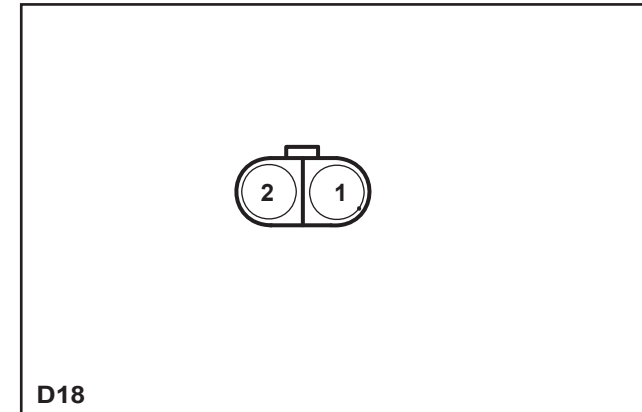


D17 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Br/P	Power -
2	0.50 Br/V	Power +

Door Harness Connector (D--)

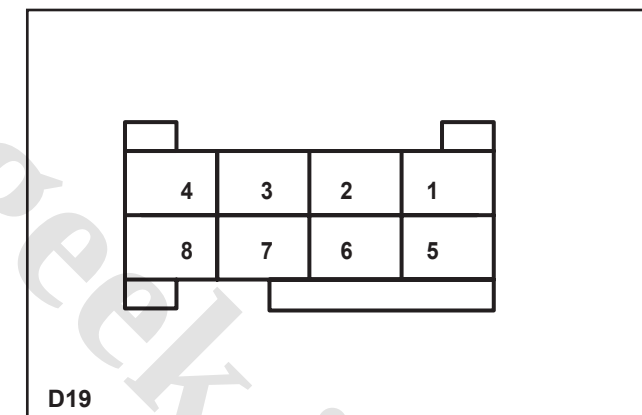
LR Power Window Motor Connector



D18 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Y/B	Power +
2	0.50 Y/Gr	Power -

RR Power Window Switch Connector



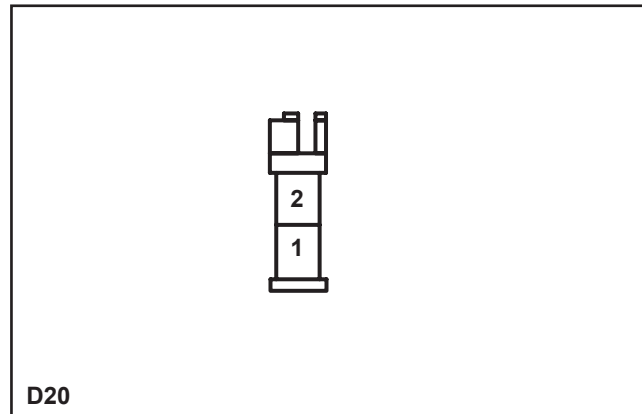
D19 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Y/P	RR window up signal
2	— —	
3	— —	
4	— —	
5	0.50 Y/B	Safty lock signal
6	0.50 B	Ground
7	0.50 Y/Br	RR window down signal
8	0.50 G/Y	Power

Harness Connector View

Door Harness Connector (D--)

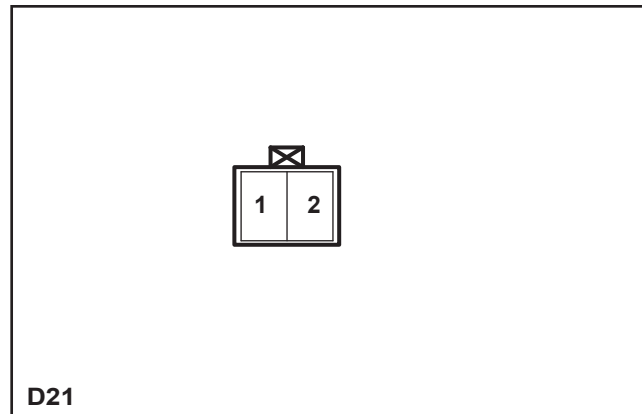
RR Speaker Connector



D20 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 V/W	Power -
2	0.50 V/B	Power +

Door Harness to Door Lamp Connector

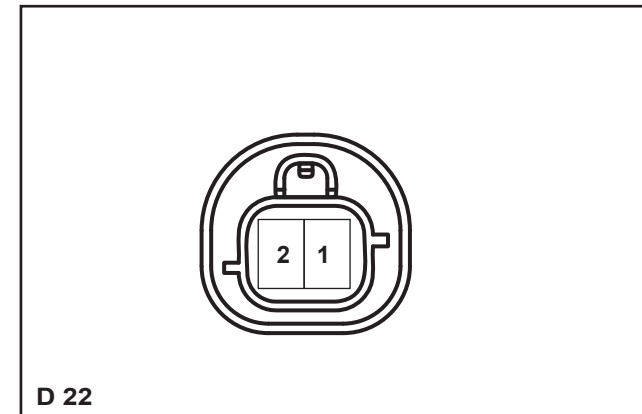


D21 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B/V	Power
2	0.50 R/G	Ground

Door Harness Connector (D--)

RR Lock Motor Connector



D22 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 Br/P	Power -
2	0.50 Br/V	Power +

[illegible]

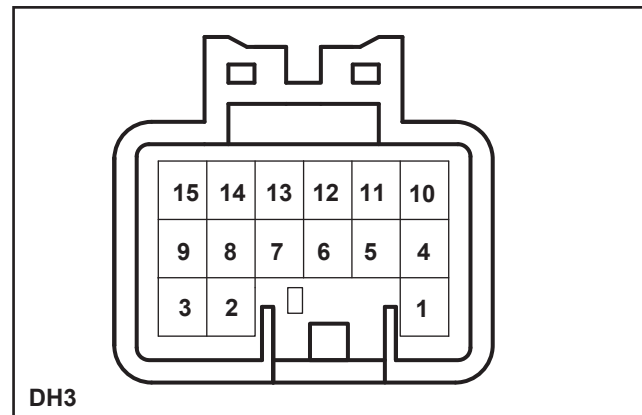
The diagram shows a keyboard layout with 15 numbered keys arranged in three rows. The top row contains keys 3, 2, and 1. The middle row contains keys 9, 8, 7, 6, 5, and 4. The bottom row contains keys 15, 14, 13, 12, 11, and 10. The keyboard has a central hump and a base with a small rectangular slot at the bottom.

[illegible]

Harness Connector View

Door Harness Connector (D--)

Door Harness to I/P Harness Connector

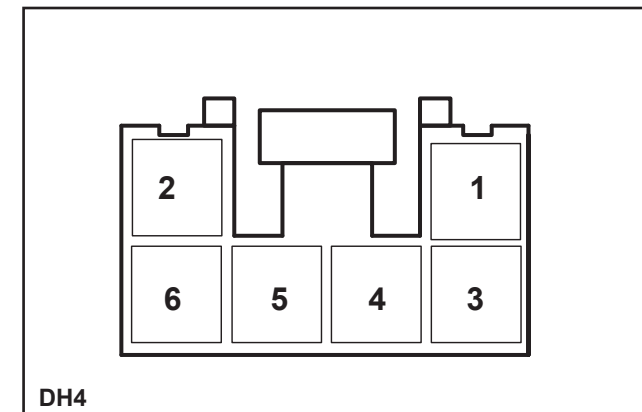


DH3 Pin Definition

Pin Number	Wire Width / Color	Function
1	1.00 Y/BI	RF lock motor power +
2	— —	
3	1.00 Y/G	RF lock motor power -
4	— —	
5	0.50 R/G	RF door lamp power 12V
6	0.50 B/Y	RF door lamp Signal
7	0.50 Y/B	Safety lock signal
8	0.50 Y/Br	Power/Ground
9	— —	
10	0.50 Br/P	Power 12V
11	0.50 Y/G	Power 12V
12	0.50 Y/V	RF window down signal
13	0.50 G/R	Power 12V
14	0.50 Y/W	RF window up signal
15	0.50 Y/G	Power 12V

Door Harness Connector (D--)

Door Harness to I/P Harness Connector



DH4 Pin Definition

Pin Number	Wire Width / Color	Function
1	0.50 B	Ground
2	0.50 Br/P	RR lock motor power -
3	0.50 Br/V	RR lock motor power +
4	0.50 V/Br	RF speaker power +
5	0.50 P	Power 12V
6	0.50 V/Gr	RF speaker power -

Harness Connector View

Back Door Harness Connector (L--)

Rear Wiper Motor Connector



L3

L3 Pin Definition

Pin Number	Color / Wire Width	Function
1	-- --	
2	0.50 P/Y	Power (High speed)
3	0.50 P/G	Power (Low speed)
4	0.50 B	Ground

License Lamp Connector



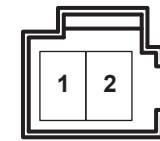
L4

L4 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 BI	Power
2	0.50 B	Ground

Back Door Harness Connector (L--)

Back Door Harness to Connector



L5

L5 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 P	
2	-- --	

Rear Defroster Connector



L6

D11 Pin Definition

Pin Number	Color / Wire Width	Function
1	1.00 P	Power

LH

[illegible]

A diagram of a two-page spread. The left page is labeled '2' and the right page is labeled '1'. The pages are connected by a central binding, and the entire spread is enclosed in a rectangular frame with small tabs on the sides.

Pin Number	Color / Wire Width	Function
1	0.50 BI	Power 12V
2	0.50 B	Ground



A diagram of a suitcase with a handle, divided into four equal square compartments. The compartments contain the numbers 1, 2, 3, and 4 in a 2x2 grid. The top-left compartment contains '1', the top-right contains '2', the bottom-left contains '3', and the bottom-right contains '4'.

Pin Number	Color / Wire Width	Function
1	0.50 Br/V	
2	0.50 Br/R	Motor power
3	0.50 B	Ground
4	0.50 B/Br	Back door switch signal

RE

[illegible]

Pin Number	Color / Wire Width	Function
1	0.50 B	Signal
2	0.50 W/Bl	Signal
3	0.05 Y	Signal
4	0.50 G/Gr	Signal
5	0.05 B	Ground
6	0.05 R/G	Power 12V

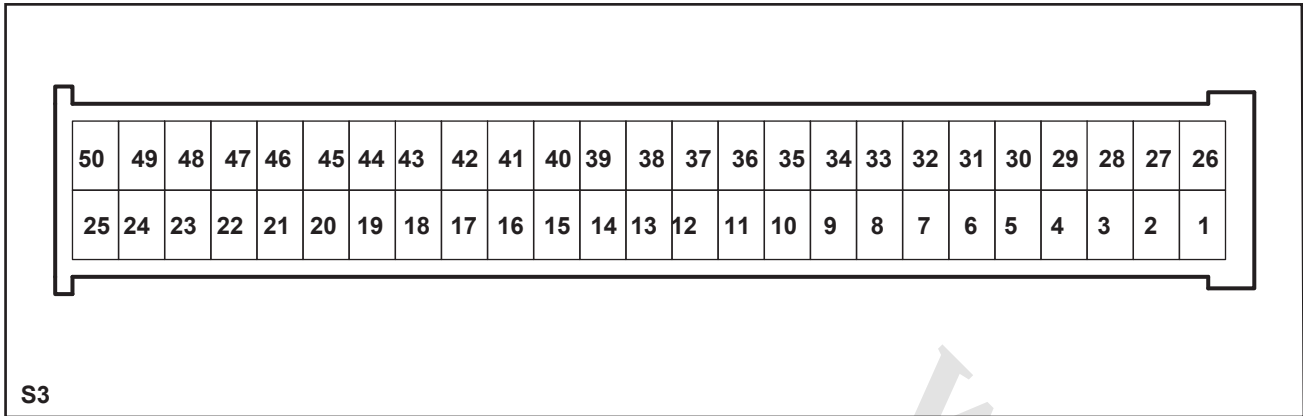
A diagram of a 3-bit shift register. It consists of three rectangular cells arranged horizontally. The leftmost cell contains the number '3', the middle cell contains '2', and the rightmost cell contains '1'. To the right of the '1' cell is a vertical line representing the output of the register.

Pin Number	Color / Wire Width	Function
1	0.50 R/G	Power
2	0.50 G/W	Signal
3	0.05 B	Ground

[illegible][illegible]

SRS Harness Connector (S--)

SRS ECU Connector



S3 Pin Definition

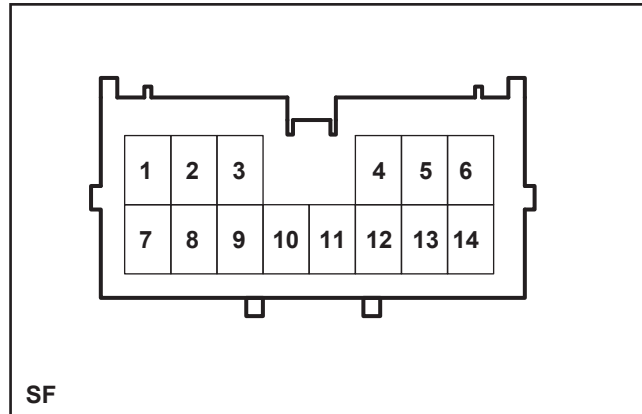
Pin Number	Color / Wire Width	Function
1	0.50 Br	Power +
2	0.50 V	Power -
3	0.50 P	Power +
4	0.50 W	Power -
5	0.50 B	Ground
6	0.50 O	Diagnosis signal
7	0.50 Y/W	Signal
8	0.50 O/W	Signal
9	--	
10	--	
11	--	
12	--	
13	--	
14	--	
15	--	
16	--	
17	--	
18	--	
19	--	
20	--	
21	0.50 Y/Gr	
22	0.50 Y/G	
23	--	

Pin Number	Color / Wire Width	Function
24	--	
25	--	
26	--	
27	--	
28	--	
29	--	
30	0.50 R	Power 12V
31	--	
32	0.50 Y/B	Signal
33	0.50 O/B	Indicator power
34	--	
35		
36	--	
37	--	
38	--	
39	--	
40	--	
41	--	
42	--	
43	--	
44	--	
45	--	
46	0.50 Y/Bl	
47	0.50 Y/R	
48	--	
49	--	
50	--	

Harness Connector View

SRS Harness Connector (S--)

SRS Harness to I/P Harness Connector

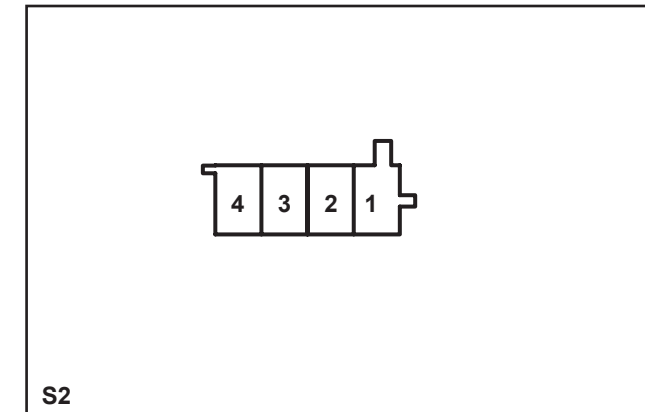


SF Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 O/W	Signal
2	0.50 B	Ground
3	0.50 Y/B	Signal
4	--	
5	0.50 R	Power 12V
6	0.50 O/B	SRS indicator
7	0.50 O	
8	0.50 Y/Gr	
9	0.50 Y/BI	
10	0.50 Y/G	
11	0.50 Y/R	
12	0.50 Y/W	Signal
13	--	
14	--	

SRS Harness Connector (S--)

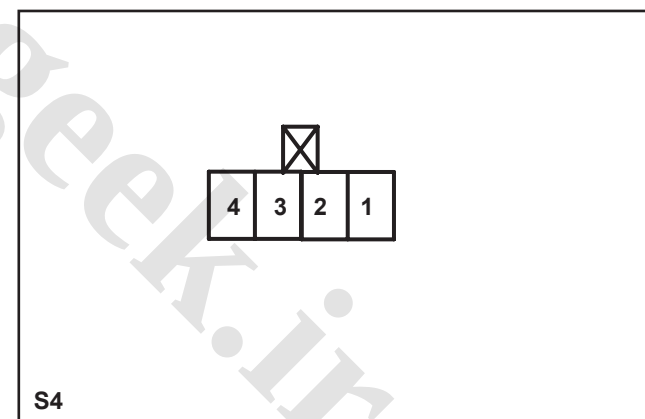
Drive Side Air Bag Module



S2 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 V	Power -
2	0.50 Br	Power +
3	--	
4	--	

Passenger Side Air Bag Module

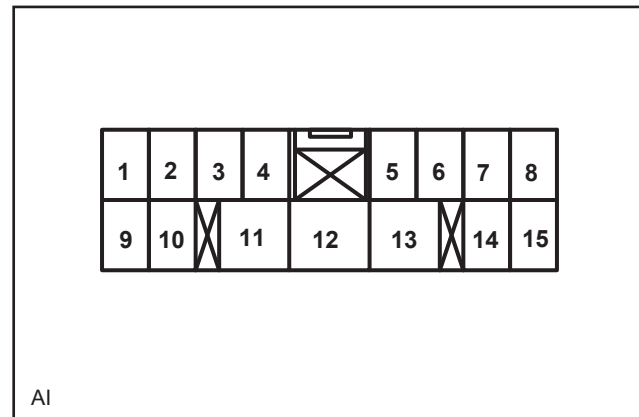


S4 Pin Definition

Pin Number	Color / Wire Width	Function
1	--	
2	0.50 W	Power -
3	0.50 P	Power +
4	--	

Harness Connector View

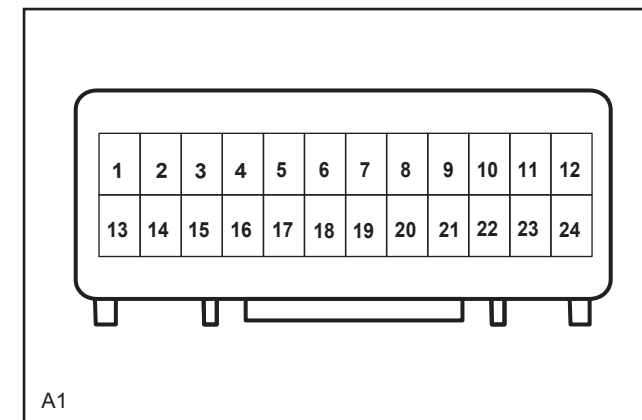
HVAC harness to I/P harness connector



AI Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 BI/B	Ground
2	--	
3	--	
4	0.50 Br/W	Rear defroster relay control signal
5	0.50 Gr/G	A/C signal
6	0.50 Gr/Y	Background light power
7	--	
8	0.50 W/R	HVAC power 12V
9	--	
10	--	
11	3.00 B	Ground
12	3.00 R	Blower Powr 12V
13	--	
14	--	
15	--	

HVAC Connector

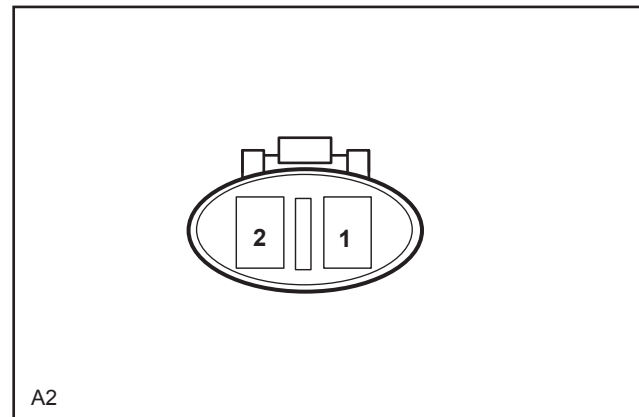


A1 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 W/R	Power 12V
2	0.50 W/B	Recirculation valve actuator power +
3	0.50 Gr/BI	Recirculation valve actuator power-
4	0.50 B/W	Ground
5	0.50 BI/W	Signal -
6	0.50 R/B	Modle valve actuator power +
7	0.50 Gr/R	Modle valve actuator power -
8	0.50 Gr/Y	Background light power 12V
9	0.50 GrG	A/C signal
10	0.50 Gr/B	Blower speed adjust module signal +
11	0.50 Y/R	Blower speed adjust module signal -
12	--	
13	0.50 BI/Y	Temperature valve actuator power +
14	0.50 Br/R	Temperature valve actuator power -
15	0.50 Br/W	Rear defroster relay control signal
16	0.50 R/Y	Temperature valve signal power +
17	0.50 R/G	Modle valve actuator signal +
18	0.50 Br	Evaporator temperature signal
19	--	
20	--	
21	--	
22	--	
23	0.50 G/Y	Ground
24	0.05 BI/B	Ground

Harness Connector View

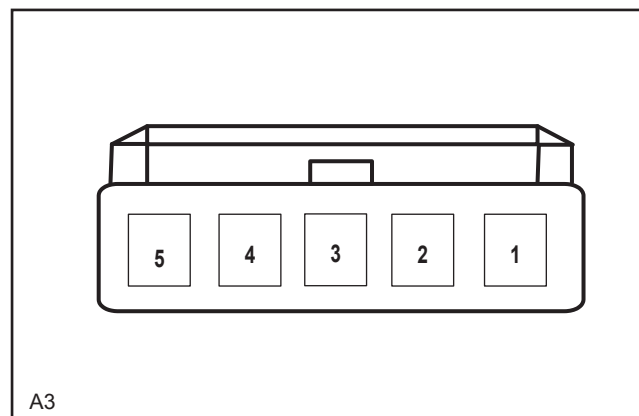
Evaporator temperature sensor connector



A2 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 B/W	Ground
2	0.50 Br	Signal

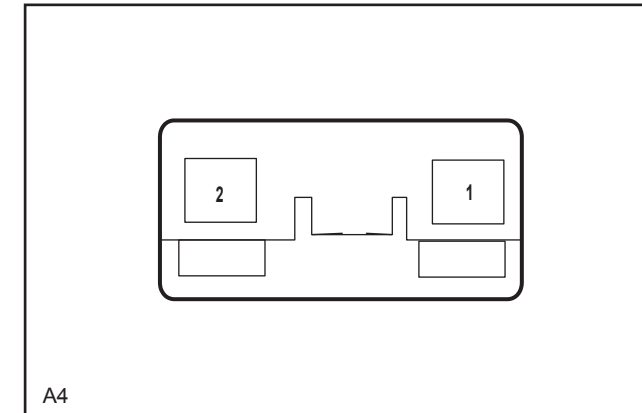
Recirculation valve actuator connector



A3 Pin Definition

Pin Number	Color / Wire Width	Function
1	0.50 W/R	Power 12V
2	--	
3	--	
4	0.50 W/B	Recirculation valve actuator power +
5	0.50 Gr/Bl	Recirculation valve actuator power -

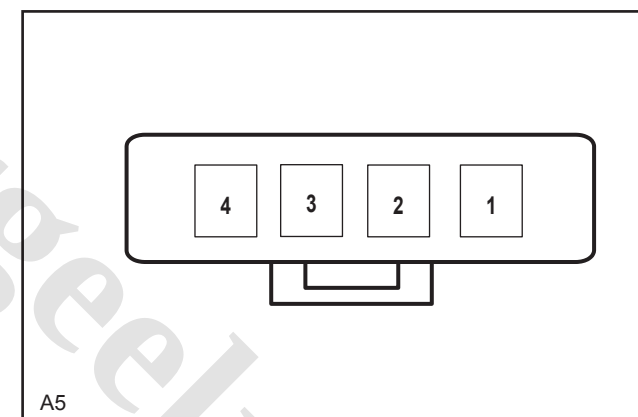
Instrument Harness to A/C Control Plate Harness Connector



A4 Pin Definition

Pin Number	Color / Wire Width	Function
1	3.00 B	Signal
2	3.00 R	Power 12V

Blower speed adjust module connector



A5 Pin Definition

Pin Number	Color / Wire Width	Function
1	2.00 B	Ground
2	0.50 Y/R	Blower speed adjust module signal -
3	0.50 Gr/B	Blower speed adjust module signal +
4	2.00 B	Signal

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
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	Electronic 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 Tune 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
IAC	Idle Air Control Valve

Abbreviation	Description
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 Diagnositic II
OEM	Original Equipment Manufacturer
PAM	Parking Aid Module
PCV	Positive Crankcase Ventilation
PDC	Power Distribution Center
PDM	Passenger Door Mudule
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
TIR	Total Indicator Reading

Abbreviations

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Abbreviation	Description
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

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



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