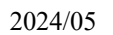


2024 M3EV Electrical Diagram Manual

This electrical diagram manual provides electrical diagram information for the 2024 model E3X.

1 Electrical Diagram Descriptions	2
2 Mark Symbols	6
3 Fuse and Relay	8
4 Layout of Harness and Its Connector.....	18
5 Power Supply Configuration	116
6 System Electrical Diagram.....	145

[illegible]



1 System name.

2 Harness connector number.

The numbering rules for harness connectors in this electrical diagram manual are based on harness. For example, the generator number of chassis harness is C28, where C represents harness code, 28 represents the serial number of connector.

The following table shows the harnesses represented by each code:

Definition	Harness name
E	Side marker light harness
D	Door harness
B、M、X	Cab harness
P	Cargo compartment harness
H	Rear roof clearance light harness
R	Roof harness
C	Chassis harness
F	Floor harness

Note :

1 The part numbers of some of the connectors on the harness differ.

2 Refer to the harness layout diagram for the harness connector number details.

3 Component name.

4 Display system information related to the circuit connection.

5 For the connection between plugs, the connector numbers on both sides of the butt joint are marked beside them respectively.

6 Display wire color, and color code is shown in the following table:

Color code	Wire color	Example
B	Black	
Gr	Gray	
Br	Brown	
Bl	Blue	
G	Green	
R	Red	
Y	Yellow	
O	Orange	
W	White	
V	Purple	
P	Pink	
Lg	Light green	
Lb	Light blue	

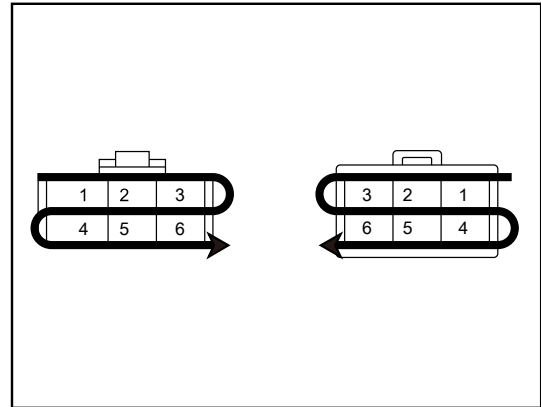
If the wire is a two-color wire, the first letter represents the wire color and the second letter

represents the stripe color, with "/" in between.

For example, the wire marked as G/B refers to a green background wire with black stripe.

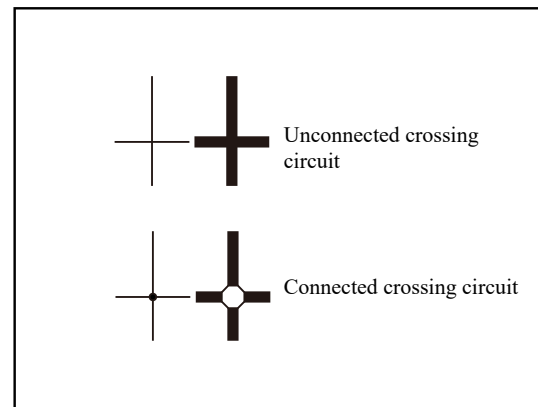
7 Display the wire diameter.

8 Display number of connector terminal. Note that the terminal numbers of harness connectors connected together mirror each other as shown in the following figure:



9 The numbers of GND points are indicated by serial numbers that begin with harness code. See the harness layout diagram for detailed positions of the GND points.

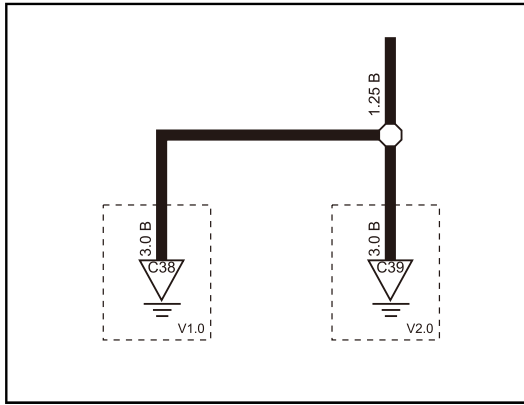
10 Wire node.



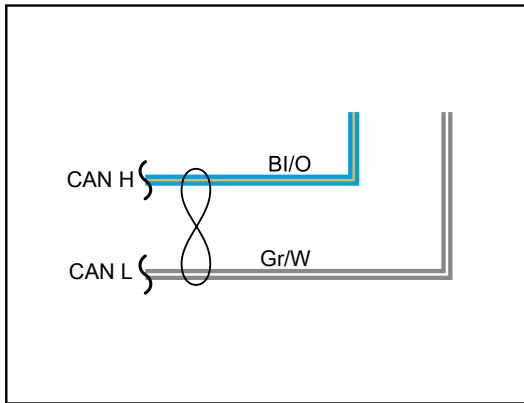
11 The fuse number is composed of fuse code and serial number. The fuse code for the chassis electrical box is SF/BF/F, and the fuse code for the intelligent electrical box is EF. Refer to the fuse list for details of the fuse number.

12 Relay number is indicated by a single English letter. Refer to the relay list for details.

13 If the relevant circuit design is different due to different vehicle models, engine types or configurations, it shall be marked with dotted lines in the circuit diagram and notes shall be added next to the circuit diagram. V1.0 indicates the old version of harness circuit information and V2.0 indicates the new version of harness circuit information.

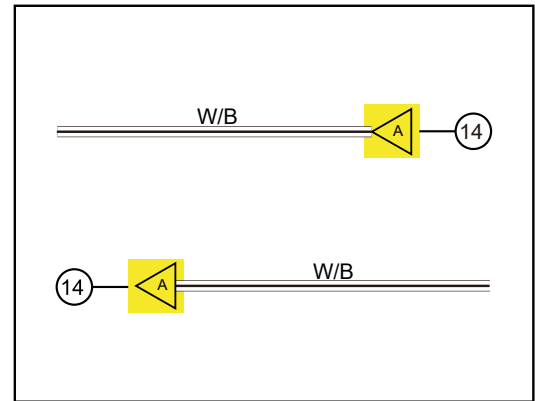


If there is an 8-shaped mark between the circuit lines, it indicates that the circuit is a twisted pair and is mainly used as the signal circuit or data communication circuit of a sensor.

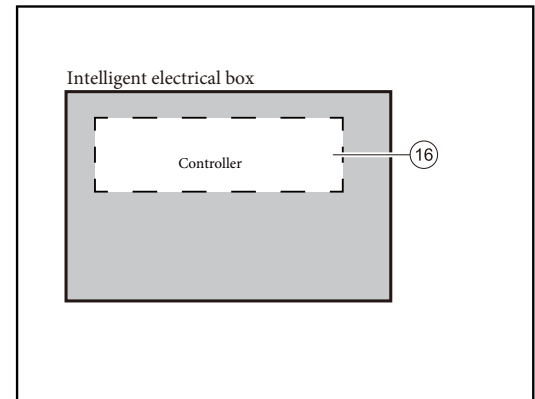


- 14 If there are many contents in a system and the line needs to be indicated in multiple pages, the

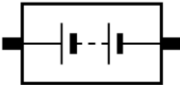
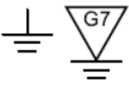
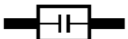
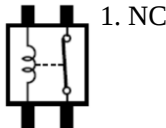
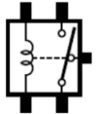
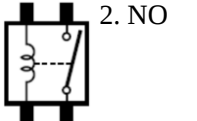
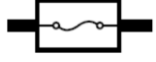
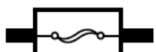
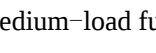
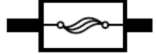
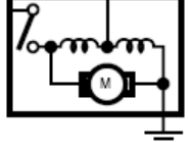
starting point of the line is indicated by , and the arrival point of the line by . If there is more than one line in a diagram turn to the next page, it is indicated by letters B, C, and so on.

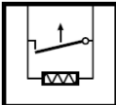
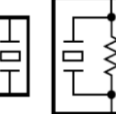
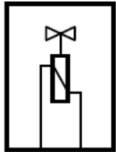
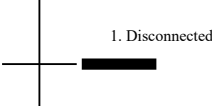
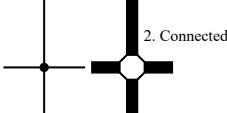


- 15 Function definition of PIN.
16 Controller of intelligent electrical box.

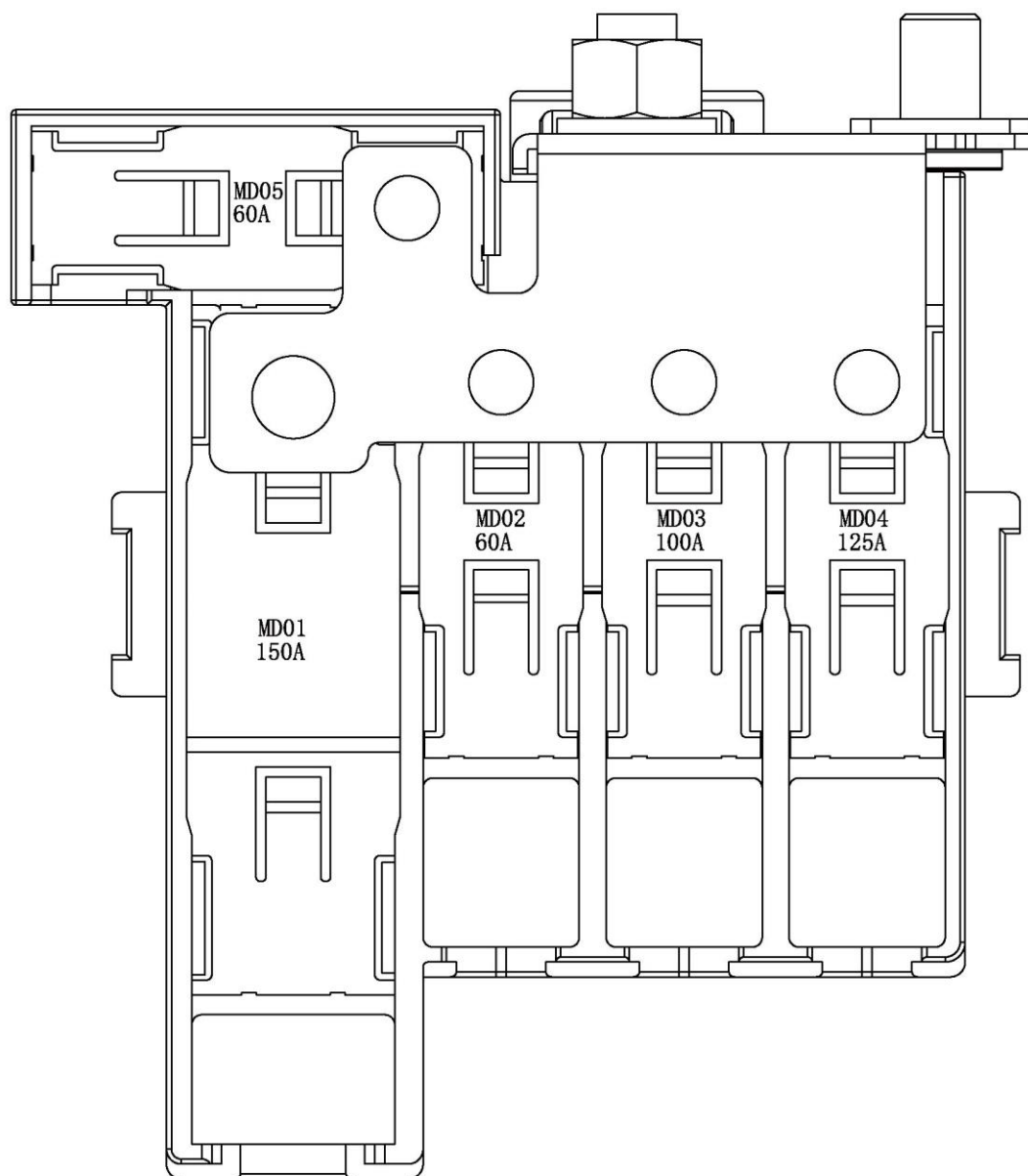


Diagrams of Mark Symbols

 Battery It stores chemical energy and converts it into electrical energy. It provides DC for various circuits of the vehicle.	 GND The point where the harness connects to the vehicle body, thereby providing a return path for the circuit. Without a ground wire connection, the current cannot flow.
 Capacitor It is a small memory unit for temporary voltage storage.	 Relay Generally refers to an electrically operated switch that can be NC (1) or NO (2). The current flowing through the small coil creates a magnetic field that opens or closes the connected switch.
 Double-throw relay A relay that causes current to flow through either of two sets of contacts.	 Manual switch Opening and closing the circuit, thus thereby disconnecting (1) or connecting (2) the current.
 Heater When an electric current passes through, heat will be generated for heating.	 Sensor (thermistor) A resistor whose resistance value varies with temperature.
 Double-throw switch A switch that causes current to flow through either of two sets of contacts.	 Fuse A thin metal strip that burns through when excessive current flows, thus, preventing the flow of electric current and damaging an electrical circuit.
 Resistor An electrical component with a fixed resistance that is placed in an electric circuit to reduce the voltage to a specified value.	 Small-load fuse  Medium-load fuse
 Tap-type resistor A resistor having two or more different values of nonadjustable resistance.	 Fuse link It is a thick wire located in a large-current circuit, and will be blown if the current is too large, thus protecting the circuit. The number indicates the cross-sectional area of the wire.
 Variable resistor A controllable resistor with variable resistivity. Also known as a potentiometer or rheostat.	 Starter It converts electric energy into mechanical energy and starts the engine.

 Short connecting piece Used to establish a non-disconnectable connection in the fuse box.	 Diode A semiconductor that allows current to flow in only one direction.
 Airbag It is a passive safety protection component, which can provide effective protection for passengers when used with seat belts.	 Photodiode A semiconductor that controls current according to the intensity of light.
 Ignition coil It converts low-voltage DC into high-voltage ignition current, thus igniting the spark plug.	 Light-emitting diode When the current is turned on, it will emit light, which generates no heat compared with normal lamps.
 Knock sensor It is used to measure the engine jitter and adjust the ignition advance angle when the engine knocks.	 Bulb The filament generates heat and emits light when the current flows through.
 Antenna A component for receiving radio signals.	 Motor A power device that converts electrical energy into mechanical energy (especially reciprocating motion).
 Solenoid valve A component that controls the opening and closing of the valve body through electrical signals to control fluid flow.	 Horn It is an electronic device that emits high-frequency audio signals.
 Shield wire The signal line is wrapped with a metal mesh braid to resist the interference of external magnetic field on signals.	 1. Disconnected
 Twisted pair A pair of wires twisted with each other, which can resist part of external electromagnetic wave interference.	 2. Connected Harness In electrical diagram manual, harnesses are usually represented by straight lines. The cross harness (1) with no black dot at the junction is not connected. Harnesses (2) with black dots or octagonal (○) marks at the junction are connected

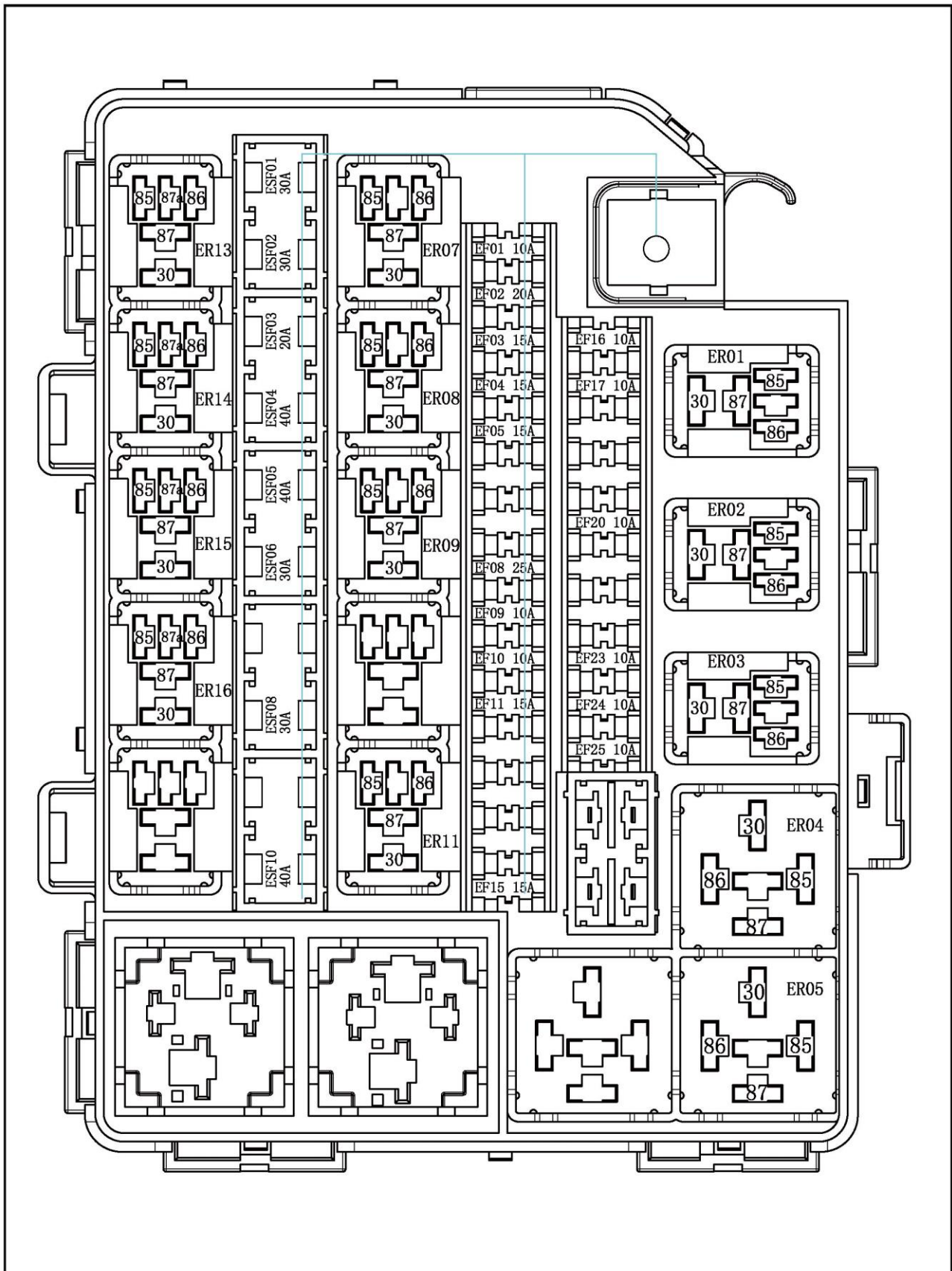
Front View of PFB Five-way Positive Power Supply Box



List of PFB Five-way Positive Power Supply Box Fuses

No.	Name	Rated current (A)	Description
MD01	DCDC fuse	150A	/
SB02	EPS fuse	60A	/
SB03	IEC fuse	100A	/
SB04	UEC fuse	125A	/
SB05	PWM fan fuse	60A	/

Front View of UEC Front Compartment Fuse Box



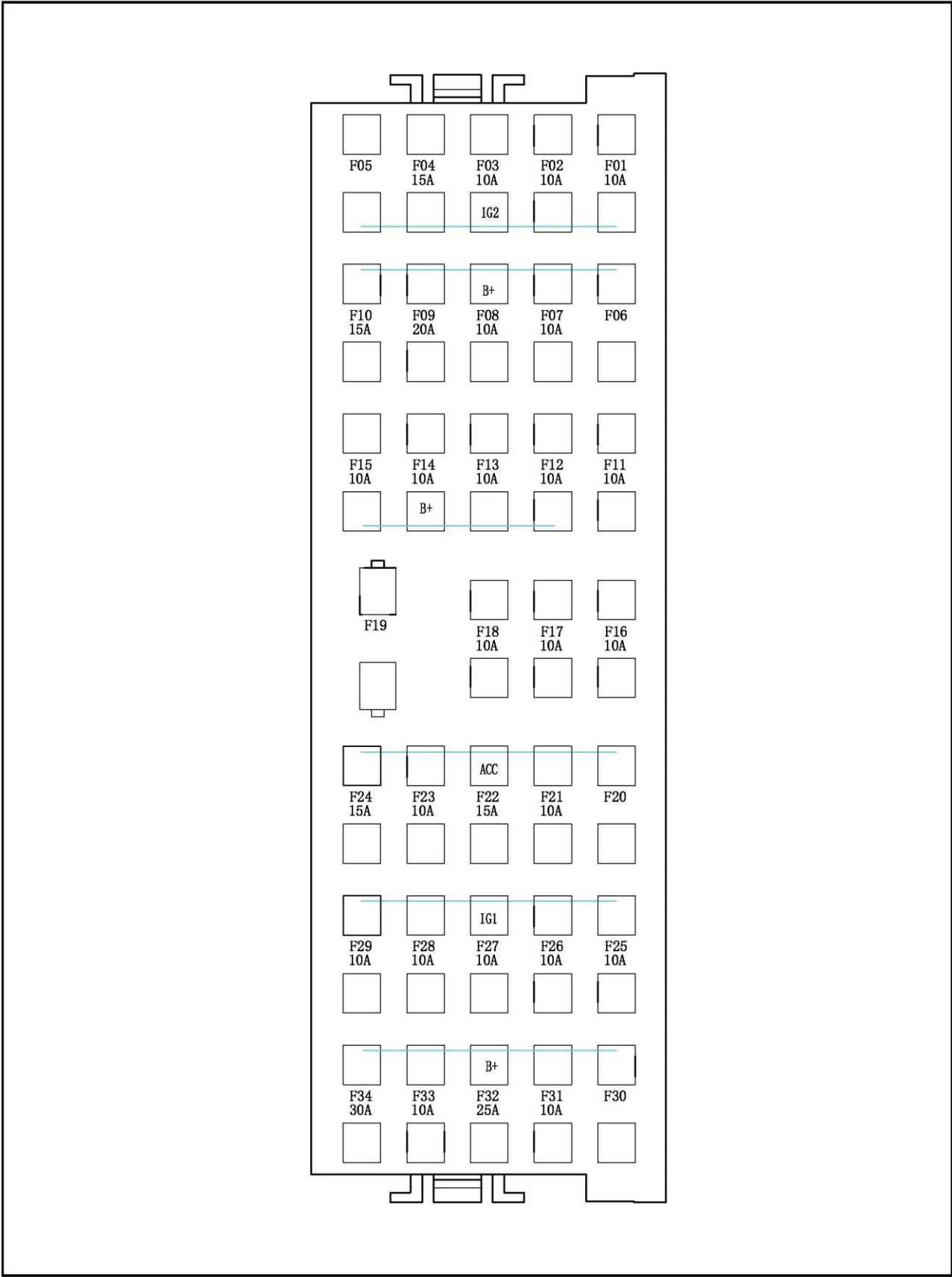
List of UEC Front Compartment Fuse Box Fuses

No.	Name	Rated current (A)	Description
ESF01	Left EPB fuse	30A	B+
ESF02	Right EPB fuse	30A	B+
ESF03	Seat heating fuse	20A	B+ (Equipped with X6536)
ESF04	Main relay fuse	40A	B+
ESF05	ESC fuse	40A	B+
ESF06	ESC fuse	30A	B+
ESF07	/	/	B+
ESF08	Electronic water pump fuse	30A	B+
ESF09	/	/	/
ESF10	Vacuum pump fuse	40A	B+
EF01	AC fuse	10A	/
EF02	Low beam fuse	20A	B+
EF03	High beam fuse	15A	B+
EF04	Front fog light fuse	15A	B+
EF05	Position light fuse	15A	B+
EF06	/	/	B+
EF07	/	/	/
EF08	Front wiper fuse	25A	B+
EF09	VCU fuse	10A	B+
EF10	BR SW fuse	10A	B+
EF11	HORN fuse	15A	B+
EF12	/	/	/
EF13	/	/	/
EF14	/	/	/
EF15	Power battery fuse	15A	B+
EF16	Left low beam fuse	10A	Low beam relay output power supply
EF17	Right low beam fuse	10A	Low beam relay output power supply
EF18	/	/	/
EF19	/	/	/
EF20	Vacuum pump feedback fuse	10A	Vacuum pump relay feedback signal
EF21	/	/	/
EF22	/	/	/
EF23	Pedestrian warning/charging indicator fuse	10A	Main relay output power supply
EF24	Power battery/PCU/EC fuse	10A	Main relay output power supply
EF25	PW fan/water pump/vacuum pump/AC relay fuse	10A	Main relay output power supply

List of UEC Front Compartment Fuse Box Relays

No.	Name	Description
ER01	Low beam relay	/
ER02	Position light relay	/
ER03	Coolant pump relay	/
ER04	Vacuum pump relay	/
ER05	Main relay	/
ER06	/	/
ER07	Front left seat heating relay	Equipped with X6536
ER08	Front right seat heating relay	Equipped with X6536
ER09	AC relay	/
ER10	/	/
ER11	Horn relay	/
ER12	/	/
ER13	Front wiper low-speed relay	/
ER14	Front wiper high-speed relay	/
ER15	Front fog light relay	/
ER16	High beam relay	/
ER17	/	/
ER18	/	/

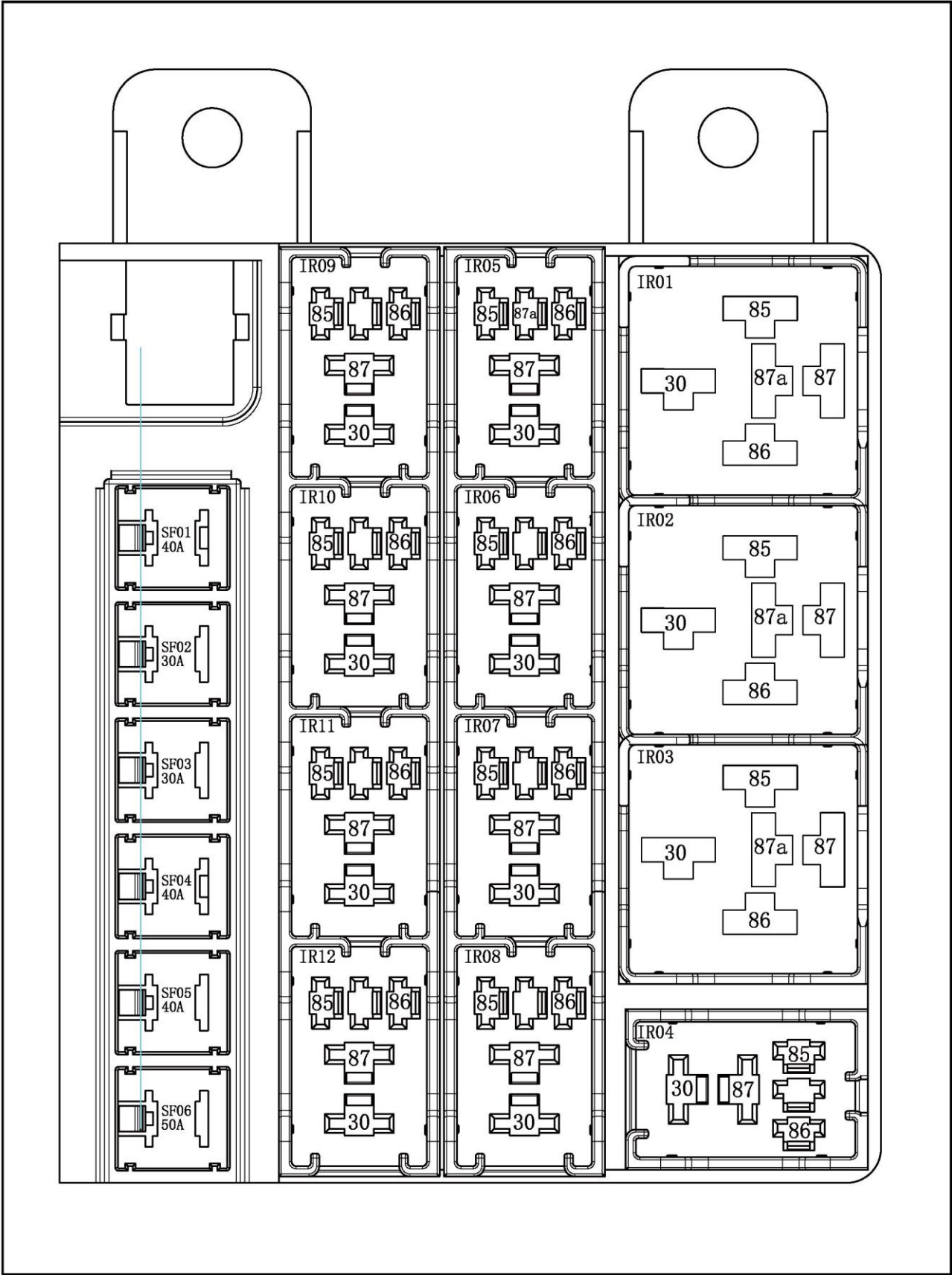
IEC_1 Fuse Box Front View



IEC_1 Fuse Box Fuse List

No.	Name	Rated current (A)	Description
F01	BCM fuse	10A	IG2
F02	Rear fan relay control fuse	10A	IG2
F03	Washer power supply fuse	10A	IG2
F04	Rear wiper fuse (reserved)	15A	IG2
F05	/	/	/
F06	/	/	/
F07	Key-in switch fuse	10A	B+
F08	BMS fuse	10A	B+
F09	BCM door lock fuse	20A	B+
F10	BCM interior light fuse	15A	B+
F11	Front blower feedback fuse	10A	/
F12	PCU fuses	15A	B+
F13	A/C controller fuse	10A	B+
F14	AUDIO/TBOX/LDWS fuse	10A	B+
F15	ICM/IMMO fuse	10A	B+
F16	Rearview mirror heating fuse	10A	Rear defroster relay output power supply fuse
F17	Starting signal fuse	10A	Ignition switch starting output power supply fuse
F18	Rear position light fuse	10A	Position light relay output power supply fuse
F19	/	/	/
F20	/	/	/
F21	Power battery ACC signal fuse	10A	ACC
F22	Cigarette lighter fuse	15A	ACC
F23	Rearview mirror/USB fuse	10A	ACC
F24	AUDIO Fuse	15A	ACC
F25	Switch IG1 power fuse	10A	IG1
F26	ICM/BCM/SLC/APM/LDWS/SUNSNR fuse	10A	IG1
F27	ABS/EPS fuse	10A	IG1
F28	ECU/IMMO fuse	10A	IG1
F29	ACU fuse	10A	IG1
F30	/	/	/
F31	OBD/APM fuse	10A	B+
F32	BCM_exterior light fuse	25A	B+
F33	Economizer relay fuse	10A	B+
F34	Power window fuse	30A	B+

IEC_2 Front View of Relay Box



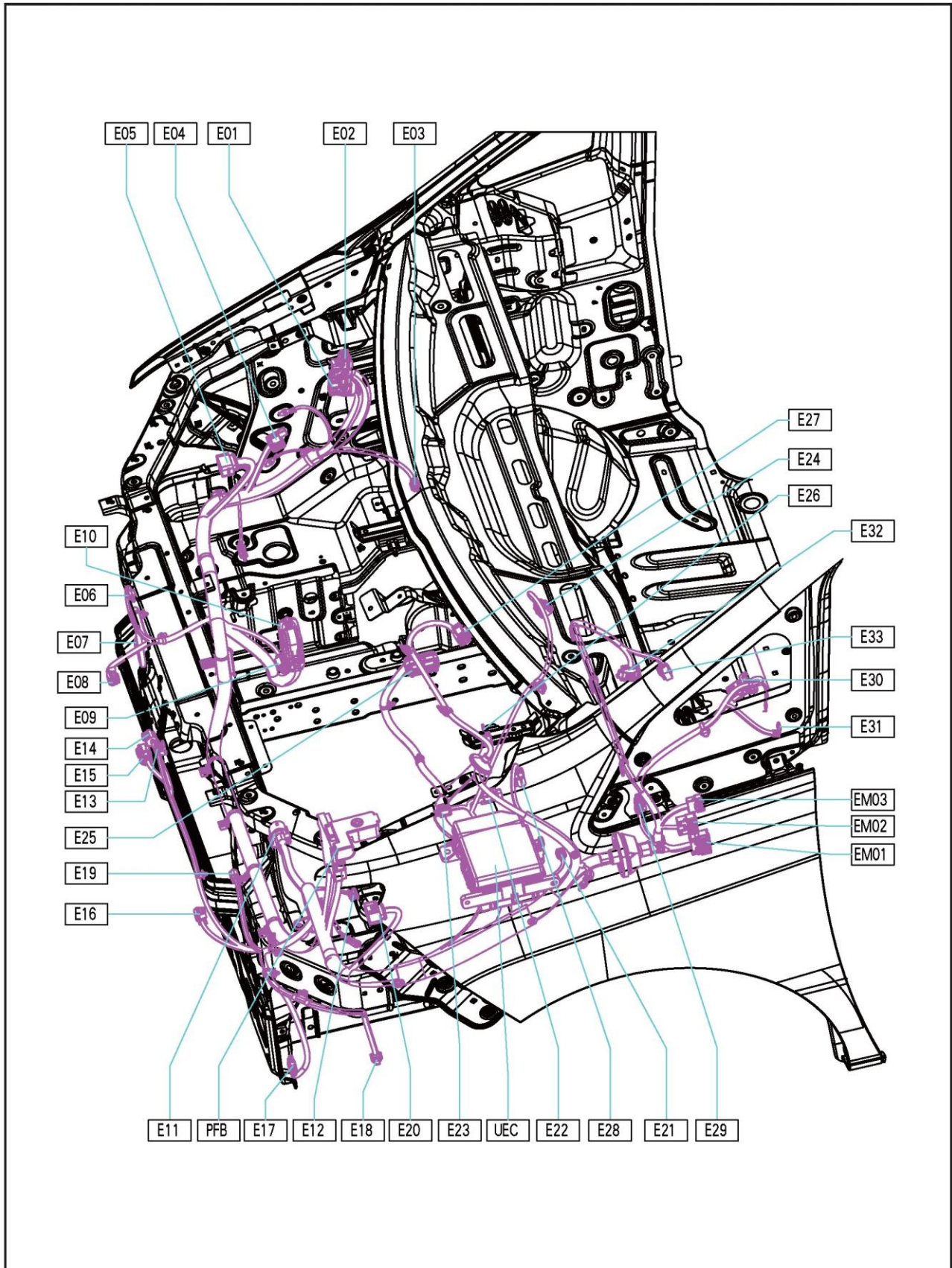
IEC_2 Relay Box Fuse List

No.	Name	Rated current (A)	Description
SF01	Ignition lock fuse	40A	B+
SF02	Front blower fuse	30A	B+
SF03	Rear blower fuse	30A	B+
SF04	Rear defroster fuse	40A	B+
SF05	IEC1 fuse	40A	B+
SF06	IEC2 fuse	50A	B+

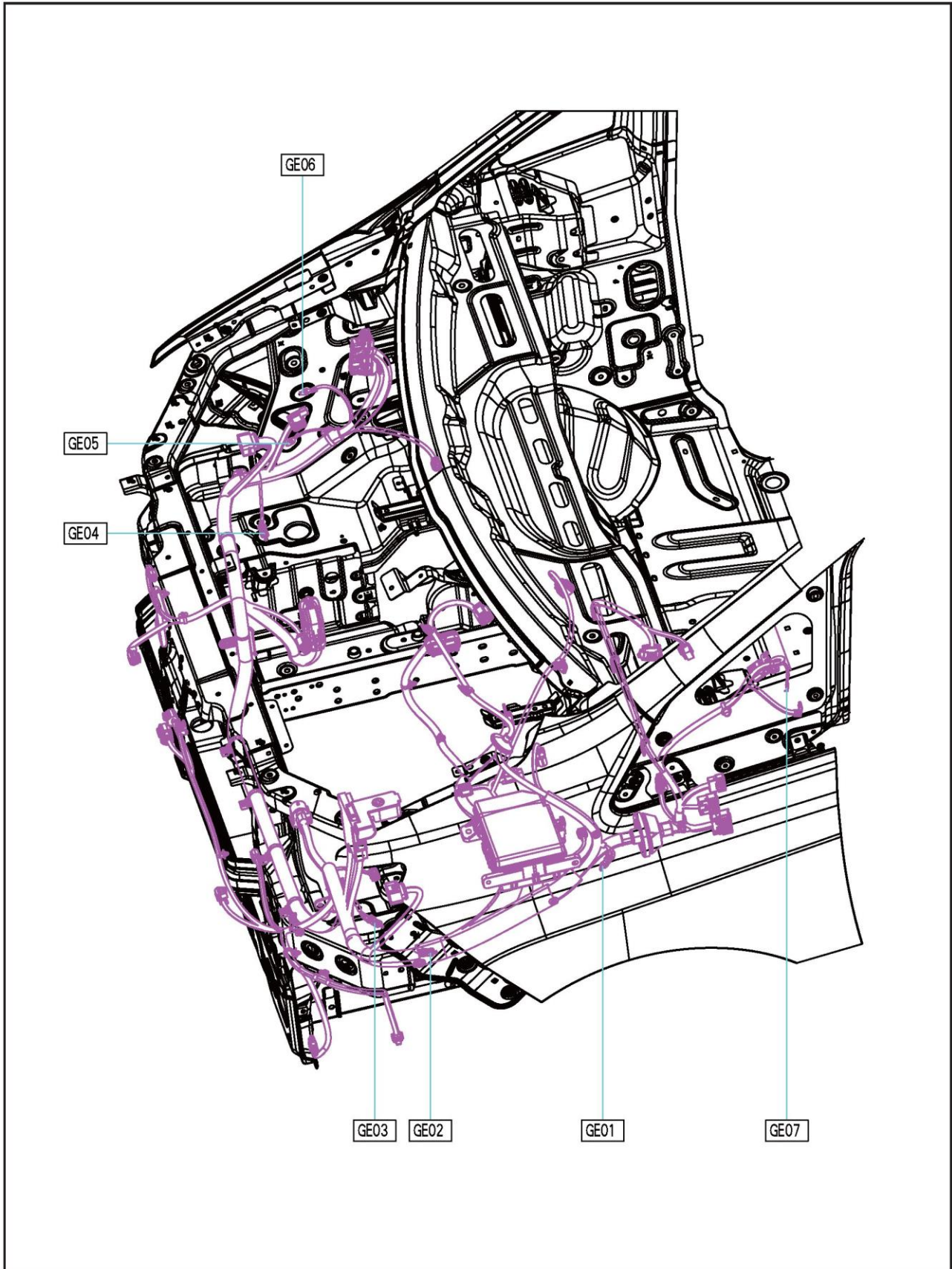
IEC_2 List of Relays in Relay Box

No.	Name	Description
IR01	Front blower relay	/
IR02	Rear blower relay	/
IR03	Rear defroster relay	/
IR05	IMMO relay	/
IR09	Economizer relay	/
IR10	Reversing light relay	/
IR11	Rear wiper relay (reserved)	/

Layout of Engine Harness Assembly



Layout of GND Points of Engine Harness Assembly

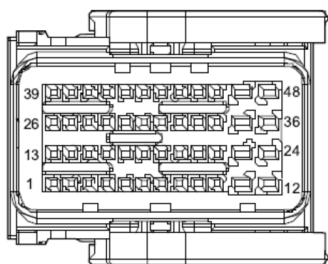


List of Engine Harness Connectors

Harness connectors	Name	Harness connectors	Name
E01	VCU	E23	Electric compressor
E02	VCU	E24	Vacuum sensor
E03	Front right wheel speed sensor	E25	High-voltage distribution box
E04	Integrated charging socket interface	E26	DCDC+
E05	Front right combination light	E27	Front wiper motor
E06	Front right collision sensor	E28	Brake fluid level sensor
E07	Front right fog light	E29	Ambient pressure sensor
E08	High-pitch horn	E30	EPS power supply
E09	Electronic water pump	E31	Interior electrical box terminal
E10	ESC module	E32	Accelerator pedal switch
E11	PWM fan	E33	Brake pedal switch
E12	PT sensor	EM01	Engine harness connected to main harness 1
E13	Engine hood switch	EM02	Engine harness connected to main harness 2
E14	Exterior temperature sensor	EM03	Engine harness connected to main harness 3
E15	Pedestrian warning device VSP	GE01	Engine harness GND 1
E16	Low-pitch horn	GE02	Engine harness GND 2
E17	Front left fog light	GE03	Engine harness GND 3
E18	Front washer fluid reservoir motor	GE04	Engine harness GND 4
E19	Front left collision sensor	GE05	Engine harness GND 5
E20	Front left combination light	GE06	VCU GND
E21	Front left wheel speed sensor	GE07	EPS GND
E22	Brake vacuum pump	-	-

Terminal Definition of Engine Harness

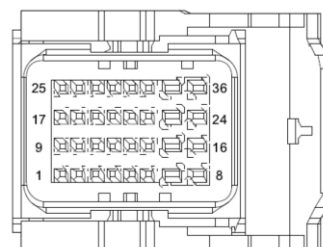
E01 VCU



Pin	Function	Remarks
1	-	-
2	Gear switch input 1	-
3	Gear switch input 2	-
4	Brake pedal switch NC signal	-
5	High-voltage interlocking input signal	-
6	Gear switch input 3	-
7	IG1	-
8	GND 1	-
9	-	-
10	GND	-
11	-	-
12	-	-
13	Start request signal	-
14	Brake pedal switch NO signal	-
15	CCOUT-CDU	-
16	-	-
17	Status feedback	-
18	Fast charging wakeup signal	-
19	-	-
20	GND 2	-
21	-	-
22	Signal GND	-
23	Collision signal	-
24	CCS-	-
25	Signal 1	-
26	-	-
27	Signal	-
28	-	-
29	CCS+	-
30	-	-
31	-	-
32	PCAN_H	-
33	Calibrate CANH	-
34	-	-

Pin	Function	Remarks
35	EVCAN_L	-
36	-	-
37	Signal 2	-
38	-	-
39	Signal	-
40	-	-
41	-	-
42	Signal	-
43	-	-
44	PCAN_L	-
45	Calibration CANL	-
46	EVCAN_H	-
47	Slow charging wake-up signal	-
48	-	-

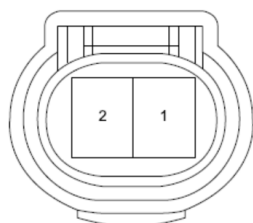
E02 VCU



Pin	Function	Remarks
1	-	-
2	-	-
3	Power supply 1	-
4	AC relay control	-
5	-	-
6	Coolant pump relay control signal	-
7	-	-
8	B+	-

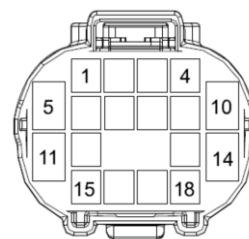
Pin	Function	Remarks
9	-	-
10	PWM control	-
11	High-voltage interlocking output signal	-
12	-	-
13	Vacuum pump relay control signal	-
14	DCDC enabling	-
15	-	-
16	B+	-
17	-	-
18	-	-
19	Power supply 2	-
20	Vcc	-
21	-	-
22	Charging indicator (yellow)	-
23	Main relay control signal	-
24	GND	-
25	-	-
26	-	-
27	PWM control	-
28	-	-
29	-	-
30	Charging indicator (green)	-
31	-	-
32	GND	-
33	-	-
34	-	-
35	-	-
36	-	-

E03 Front right wheel speed sensor



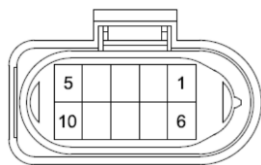
Pin	Function	Remarks
1	Negative pole	-
2	Positive pole	-

E04 Integrated charging socket interface



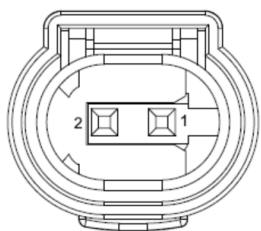
Pin	Function	Remarks
1	Fast charging CANH	-
2	Fast charging CANL	-
3	Fast charging WK2	-
4	-	-
5	Fast charging A-	-
6	Slow charging LOCK DECT	-
7	Slow charging LOCK-	-
8	Slow charging LOCK+	-
9	Fast charging temperature 1	-
10	-	-
11	Slow charging temperature WK3	-
12	L	-
13	UL	-
14	-	-
15	Slow charging CP	-
16	Slow charging CC	-
17	Slow charging WK2	-
18	Slow charging WK1	-

E05 Front right combination light



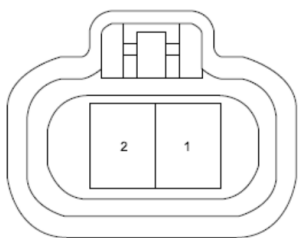
Pin	Function	Remarks
1	Turn signal GND	-
2	Turn signal power supply	-
3	GND	-
4	Adjustment motor power supply	-
5	Headlight adjustment signal	-
6	Daytime running light power supply	-
7	Position light power supply	-
8	Low beam power supply	-
9	GND	-
10	High beam power supply	-

E06 Front right collision sensor



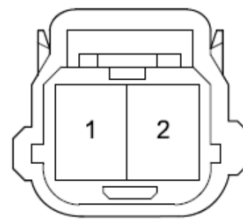
Pin	Function	Remarks
1	Negative pole	-
2	Positive pole	-

E07 Front right fog light



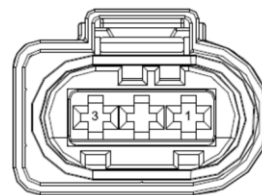
Pin	Function	Remarks
1	Power supply	-
2	GND	-

E08 High-pitch horn



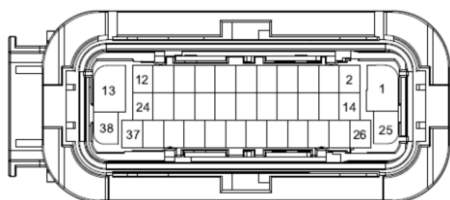
Pin	Function	Remarks
1	GND	-
2	Power supply	-

E09 Electronic water pump

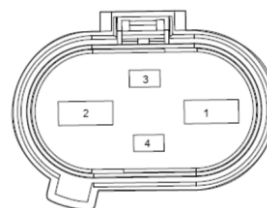


Pin	Function	Remarks
1	Coolant pump control signal	-
2	GND	-
3	Power supply	-

E10 ESC module



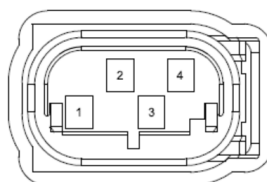
E11 PWM fan



Pin	Function	Remarks
1	MT B+	-
2	-	-
3	-	-
4	-	-
5	-	-
6	WSS_FR-	-
7	-	-
8	ESC OFF-	-
9	AH SW+	-
10	-	-
11	-	-
12	-	-
13	MT GND	-
14	PCAN_L	-
15	-	-
16	-	-
17	-	-
18	WSS_FR+	-
19	WSS_RR+	-
20	WSS_RL-	-
21	-	-
22	WSS_FL-	-
23	-	-
24	-	-
25	ECU B+	-
26	PCAN_H	-
27	Vehicle speed output signal	-
28	-	-
29	-	-
30	Brake signal	-
31	WSS_RR-	-
32	IG1	-
33	WSS_RL+	-
34	WSS_FL+	-
35	-	-
36	-	-
37	-	-
38	ECU GND	-

Pin	Function	Remarks
1	Power supply	-
2	GND	-
3	Power supply	-
4	Control signal	-

E12 PT sensor



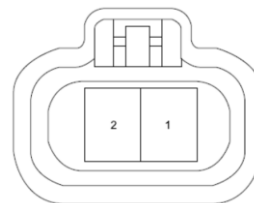
Pin	Function	Remarks
1	GND	-
2	Pressure signal	-
3	Temperature signal	-
4	Power supply 5 +	-

E13 Engine hood switch



Pin	Function	Remarks
1	Power supply	-
2	GND	-

E17 Front left fog light



Pin	Function	Remarks
1	Engine hood switch signal	-
2	GND	-

E14 Exterior temperature sensor

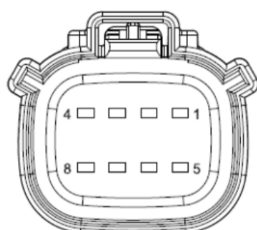


Pin	Function	Remarks
1	GND	-
2	Power supply	-

E18 Front washer fluid reservoir motor

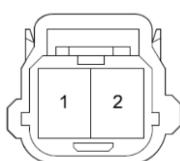
Pin	Function	Remarks
1	Signal	-
2	GND	-

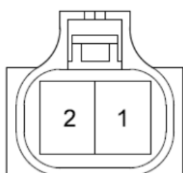
E15 Pedestrian warning device VSP



Pin	Function	Remarks
1	Power supply	-
2	GND	-
3	PCAN_L	-
4	PCAN_H	-
5	-	-
6	-	-
7	-	-
8	-	-

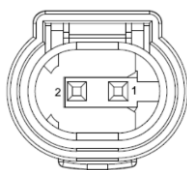
E16 Low-pitch horn





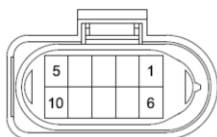
Pin	Function	Remarks
1	Motor -	-
2	Motor +	-

E19 Front left side collision sensor



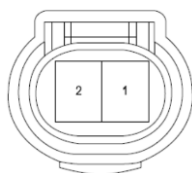
Pin	Function	Remarks
1	Negative pole	-
2	Positive pole	-

E20 Front left combination light



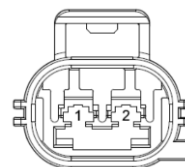
Pin	Function	Remarks
1	Turn signal GND	-
2	Turn signal power supply	-
3	GND	-
4	Adjustment motor power supply	-
5	Headlight adjustment signal	-
6	Daytime running light power supply	-
7	Position light power supply	-
8	Low beam power supply	-
9	GND	-
10	High beam power supply	-

E21 Front left wheel speed sensor



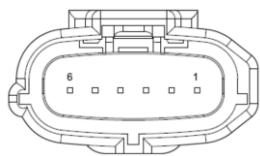
Pin	Function	Remarks
1	Negative pole	-
2	Positive pole	-

E22 Brake vacuum pump



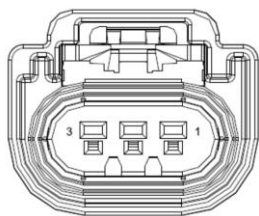
Pin	Function	Remarks
1	Power supply	-
2	GND	-

E23 Electric compressor



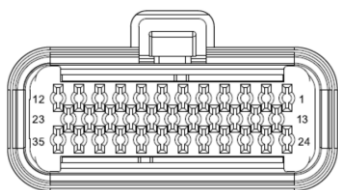
Pin	Function	Remarks
1	Power supply	-
2	HVIL+	-
3	HVIL-	-
4	GND	-
5	PCAN_H	-
6	PCAN_L	-

E24 Vacuum sensor



Pin	Function	Remarks
1	Signal	-
2	GND	-
3	Power supply	-

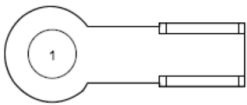
E25 High-voltage distribution box



Pin	Function	Remarks
1	B+	-
2	B+	-
3	OBC_EN_VCU	-
4	AC CC	-
5	AC CP	-
6	CCOUT-VCU	-
7	-	-
8	PTC1 control -	-
9	PTC2 control -	-
10	PTC1 control +	-
11	PTC2 control+	-
12	HVIL+	-

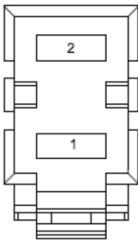
Pin	Function	Remarks
13	Charging socket temperature testing + (slow charging)	-
14	Driving electronic lock +	-
15	Driving electronic lock -	-
16	Electronic lock feedback	-
17	-	-
18	-	-
19	-	-
20	-	-
21	DCDC_EN	-
22	Fast charging relay control +	-
23	-	-
24	GND	-
25	-	-
26	Fast charging relay control -	-
27	Charging socket temperature testing - (slow charging)	-
28	-	-
29	-	-
30	EVCAN_H	-
31	EVCAN_L	-
32	CAN shielding layer	-
33	-	-
34	-	-
35	HVIL-	-

E26 DCDC+

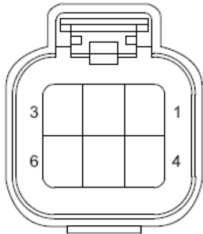


E30 EPS power supply

Pin	Function	Remarks
1	DCDC+ output	-



E27 Front wiper motor

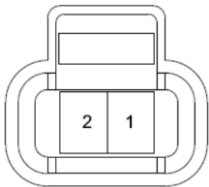


Pin	Function	Remarks
1	Power supply +	-
2	Power supply GND	-

E31 Interior electrical box terminal

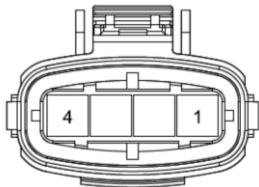
Pin	Function	Remarks
1	Low speed signal	-
2	High speed signal	-
3	GND	-
4	-	-
5	-	-
6	-	-

E28 Brake fluid level sensor

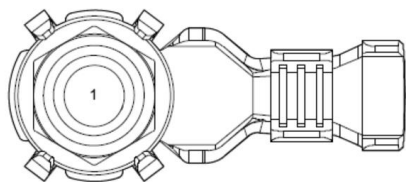


Pin	Function	Remarks
1	Sensor signal	-
2	GND	-

E29 Ambient pressure sensor

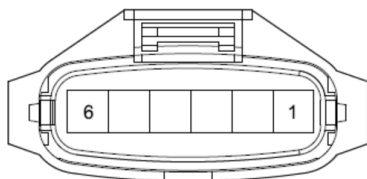


Pin	Function	Remarks
1	Signal	-
2	Power supply	-
3	-	-
4	GND	-



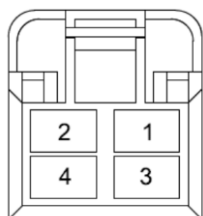
Pin	Function	Remarks
1	Power supply	-

E32 Accelerator pedal switch



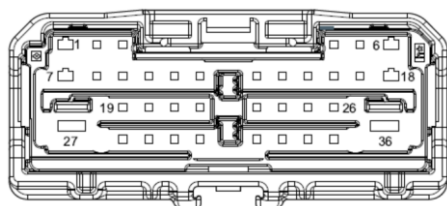
Pin	Function	Remarks
1	Signal 2	-
2	GND 2	-
3	Signal 1	-
4	GND 1	-
5	Power supply 1	-
6	Power supply 2	-

E33 Brake pedal switch



Pin	Function	Remarks
1	NO signal	-
2	B+ power supply	-
3	NC signal	-
4	IG1 power supply	-

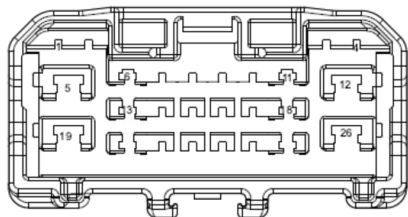
EM01 Engine harness connected to main harness 1



Pin	Function	Remarks
1	Power supply	-
2	Brake fluid level signal	-
3	Front wiper low-speed control	-
4	Front wiper high-speed control	-
5	Collision signal	-
6	Power supply	-
7	Charging indicator power supply	-
8	Front left turn signal power supply	-
9	Front right turn signal power supply	-
10	ESC OFF switch signal	-
11	-	-
12	Front fog light relay control	-
13	Control signal of electric horn relay	-
14	Position light relay control	-
15	Pressure signal	-
16	Temperature signal	-
17	Brake pedal switch power supply	-
18	Start request signal	-
19	IG1 power supply	-
20	Engine hood switch	-
21	PT sensor 5 V power supply	-
22	PT sensor GND	-
23	Exterior temperature sensor signal	-

Pin	Function	Remarks
24	Exterior temperature sensor GND	-
25	PCAN_H	-
26	PCAN_L	-
27	Front left seat heating interface power supply	Equipped with X6536
27	VCU calibration CANH	Equipped with X6530
28	Left EPB interface +	-
29	Left EPB interface -	-
30	Right EPB interface +	-
31	Right EPB interface -	-
32	Low beam relay control	-
33	High beam relay control	-
34	Left daytime running light	-
35	Right daytime running light	-
36	Front right seat heating interface power supply	Equipped with X6536
36	VCU calibration CANH	Equipped with X6530

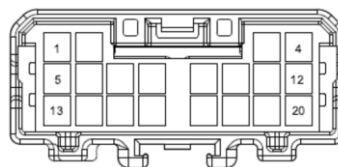
EM02 Engine harness connected to main harness 2



Pin	Function	Remarks
1	Front left combination light motor adjustment signal	-
2	Front right combination light motor adjustment signal	-
3	CCS +	-
4	CCS -	-
5	Left EPB power supply	-
6	IG1 power supply	-
7	Front left side collision sensor +	-
8	Front left side collision sensor -	-
9	Front right collision sensor +	-
10	Front right collision sensor -	-
11	Brake signal	-
12	Right EPB power supply	-
13	Power supply	-

Pin	Function	Remarks
14	Gear switch input 1	-
15	Gear switch input 2	-
16	Electronic lock detection signal	Equipped with X6536
16	Gear switch input 3	Equipped with X6530
17	-	-
18	Front washer reservoir motor power supply	-
19	AC charging confirmation PP signal	-
20	Integrated charging socket interface locking signal	-
21	Front washer reservoir motor GND	-
22	AC charging confirmation CP signal	-
23	Coolant temperature sensor signal	-
24	Coolant temperature sensor signal GND	-
25	Integrated charging socket interface unlocking signal	-
26	-	-

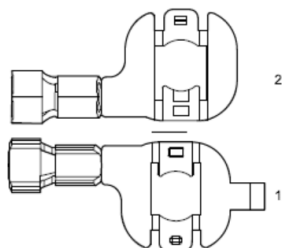
EM03 Engine harness connected to main harness 3



Pin	Function	Remarks
1	Charging indicator (yellow)	-
2	Charging indicator (green)	-
3	PTC1 control -	-
4	PTC2 control -	-
5	Power supply	-
6	Electronic lock +	-
7	Electronic lock -	-
8	Electronic lock power supply	-
9	Fast charging temperature 2	Equipped with X6530
9	Fast charging temperature 1	Equipped with X6536
10	Front right seat heating relay control signal	Equipped with X6530

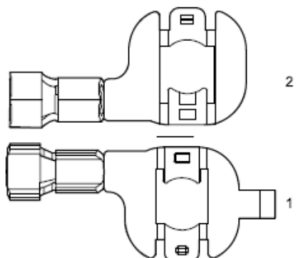
Pin	Function	Remarks
10	Fast charging CC2	Equipped with X6536
11	Fast charging relay control +	-
12	Slow charging temperature WK3	-
13	Fast charging A+	-
14	Front left seat heating relay control signal	-
15	Fast charging CANH	Equipped with X6530
15	Power supply	Equipped with X6536
16	Fast charging CANL	-
17	EVCAN_L	-
18	EVCAN_H	-
19	AUTOHOLD switch +	-
20	Fast charging temperature 1	-

GE01 Engine harness GND 1



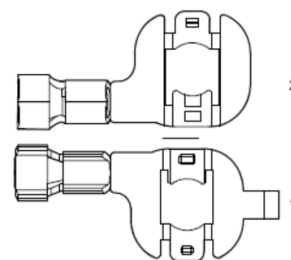
Pin	Function	Remarks
1	GND	-
2	GND	-

GE02 Engine harness GND 2



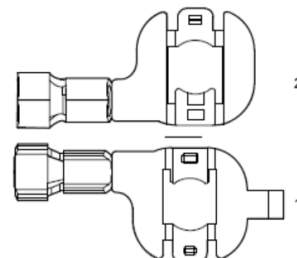
Pin	Function	Remarks
1	GND	-
2	GND	-

GE03 Engine harness GND 3



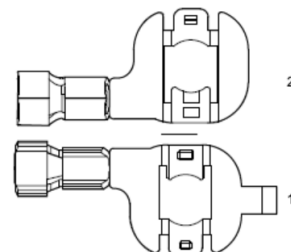
Pin	Function	Remarks
1	GND	-
2	GND	-

GE04 Engine harness GND 4



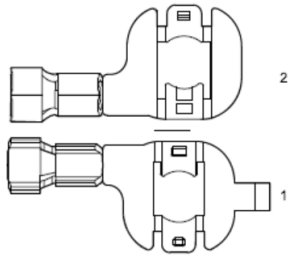
Pin	Function	Remarks
1	GND	-
2	GND	-

GE05 Engine harness GND 5



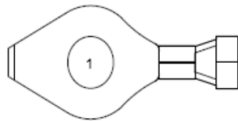
Pin	Function	Remarks
1	GND	-
2	GND	-

GE06 VCU GND



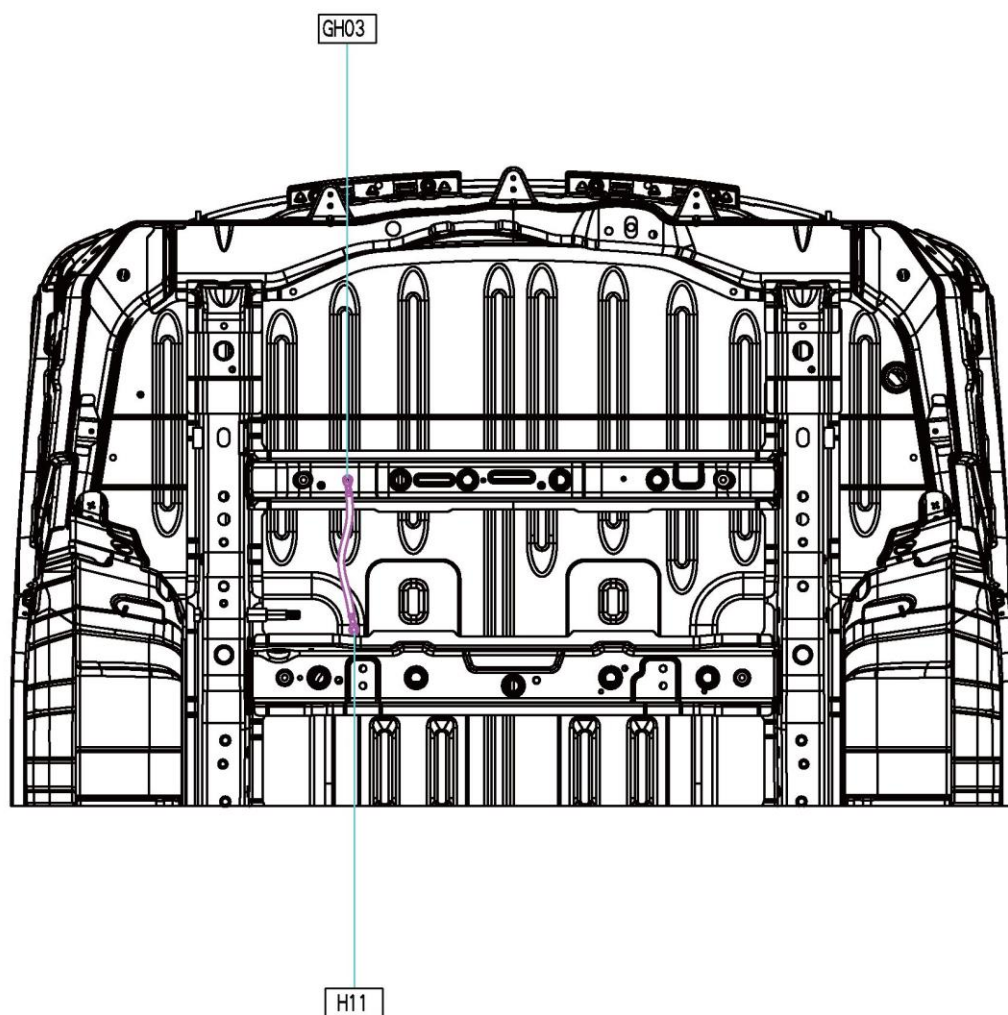
Pin	Function	Remarks
1	GND	-
2	GND	-

GE07 EPS GND



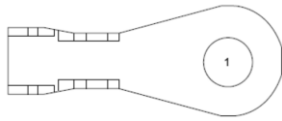
Pin	Function	Remarks
1	GND	-

Layout of Drive Motor GND Harness Assembly

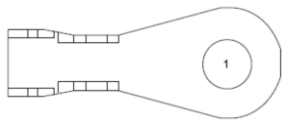


List of Drive Motor GND Harness Connectors

Harness connectors	Name	Harness connectors	Name
GH03	Body GND	H11	Drive motor GND

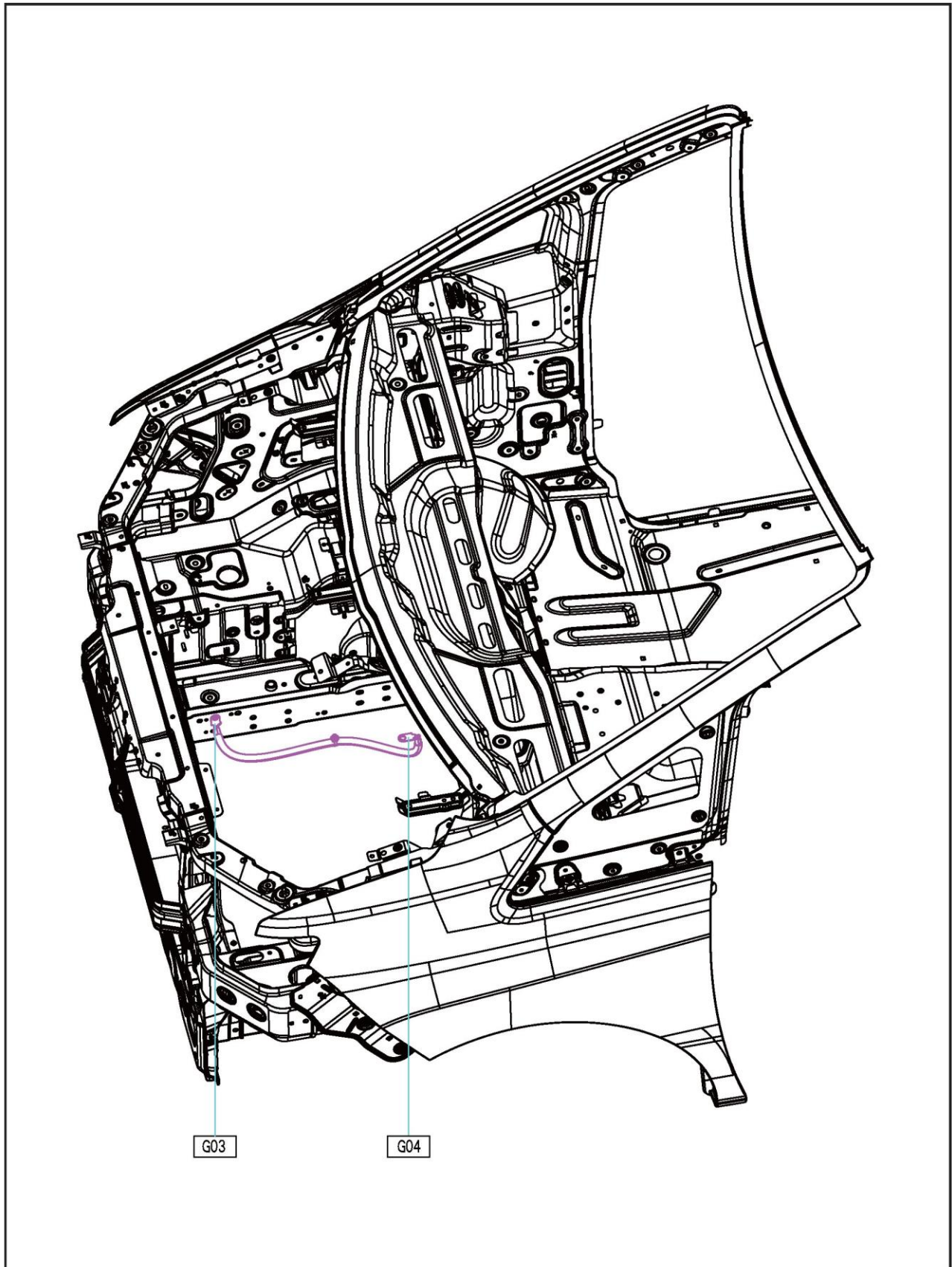
Terminal Definition of Drive Motor GND Harness**GH03 Body GND**

Pin	Function	Remarks
1	GND	-

H11 Drive motor GND

Pin	Function	Remarks
1	GND	-

Layout of Power Supply Box GND Harness Assembly

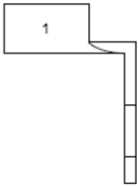


List of Power Supply Box GND Harness Connectors

Harness connectors	Name	Harness connectors	Name
G03	Body GND	G04	High-voltage distribution box GND

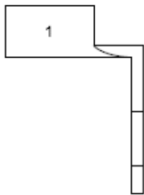
**Terminal Definition of Power Supply Box GND
Harness**

G03 Body GND



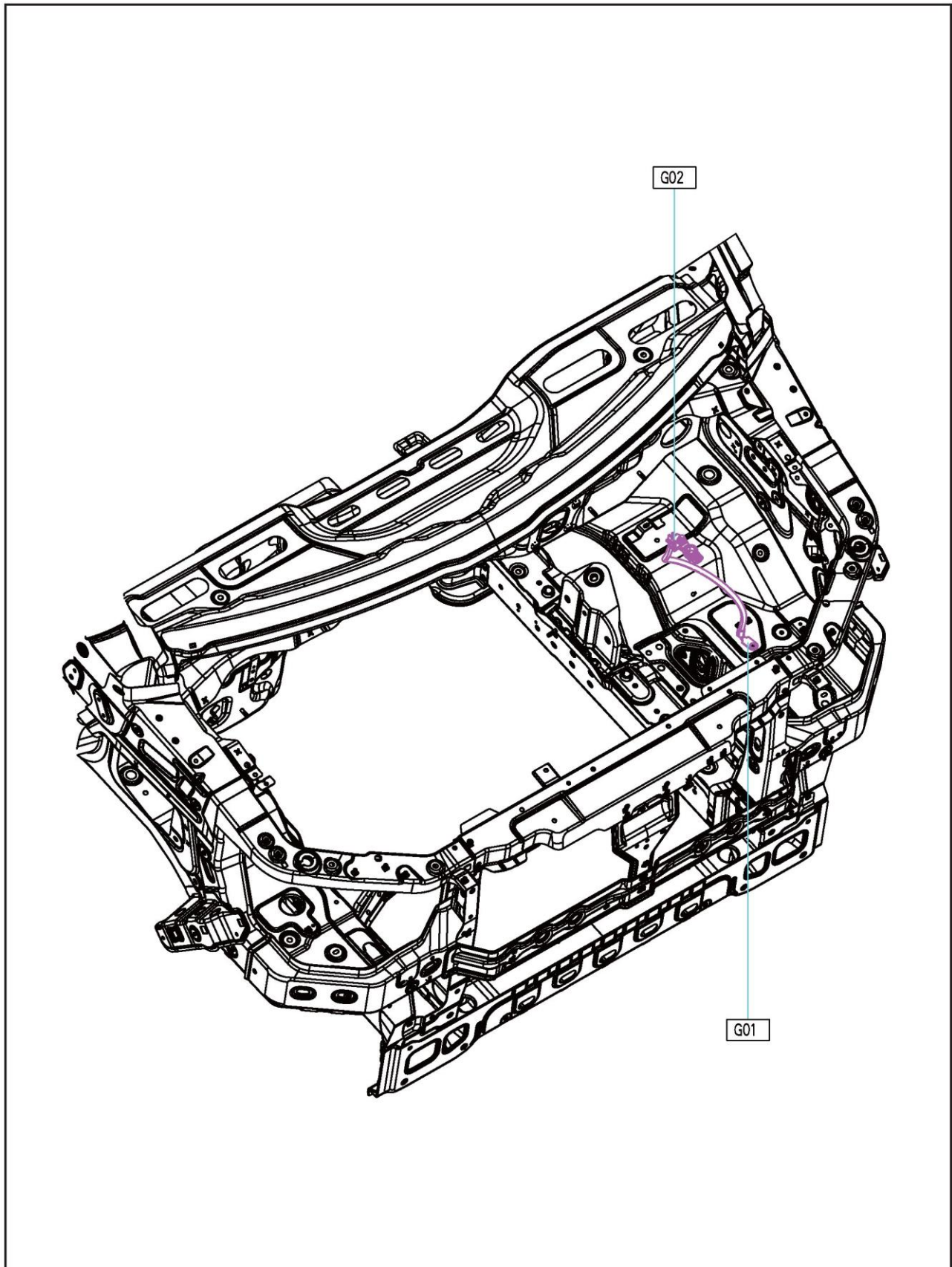
Pin	Function	Remarks
1	GND	-

G04 High-voltage distribution box GND



Pin	Function	Remarks
1	DCDC-	-

Layout of Battery Negative Harness Assembly

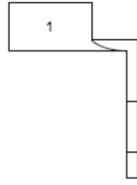


List of Battery Negative Harness Connectors

Harness connectors	Name	Harness connectors	Name
G01	Body GND	G02	Battery negative pole

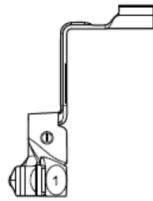
Terminal Definition of Battery Negative Harness

G01 Body GND



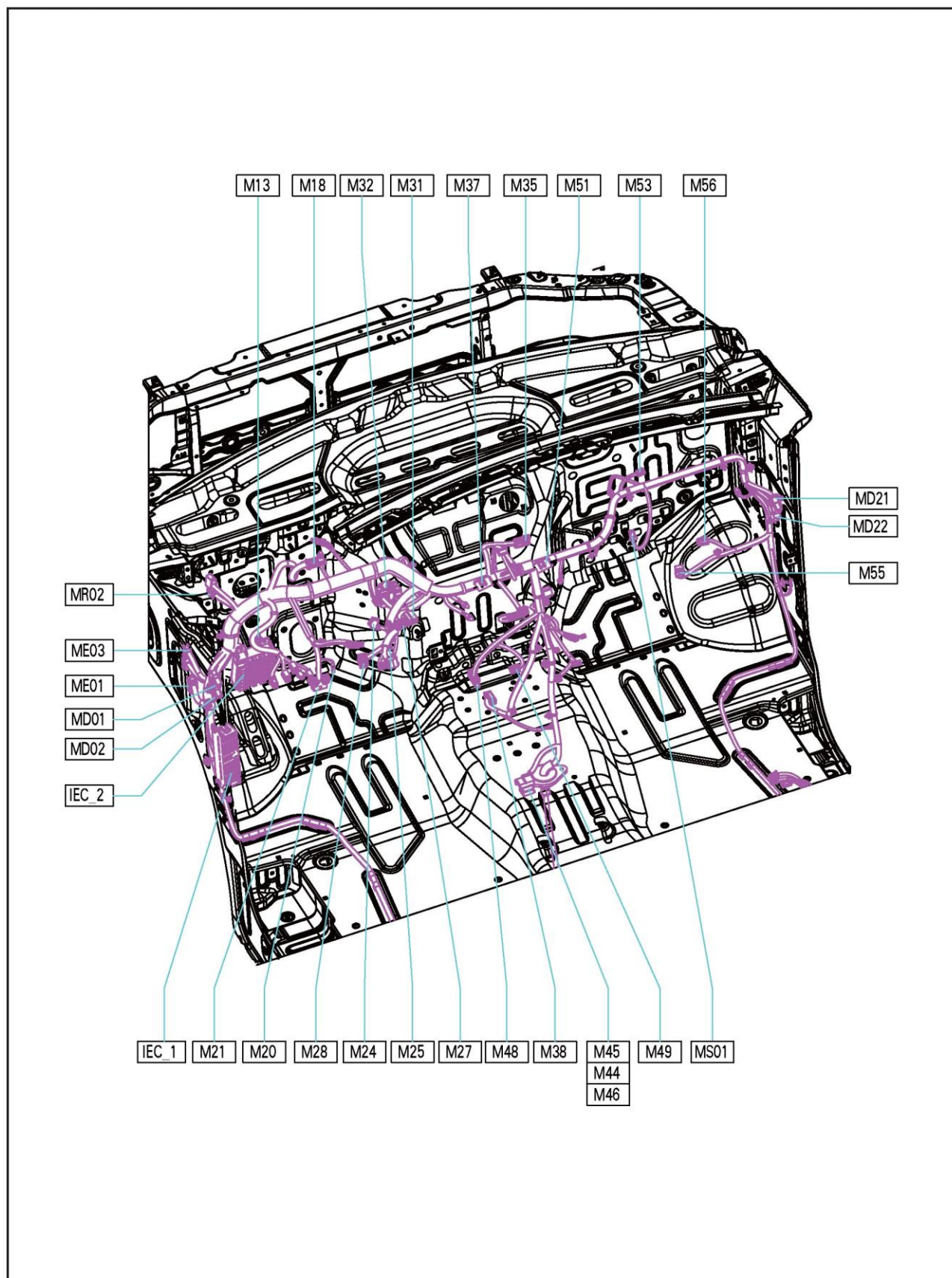
Pin	Function	Remarks
1	GND	-

G02 Battery -

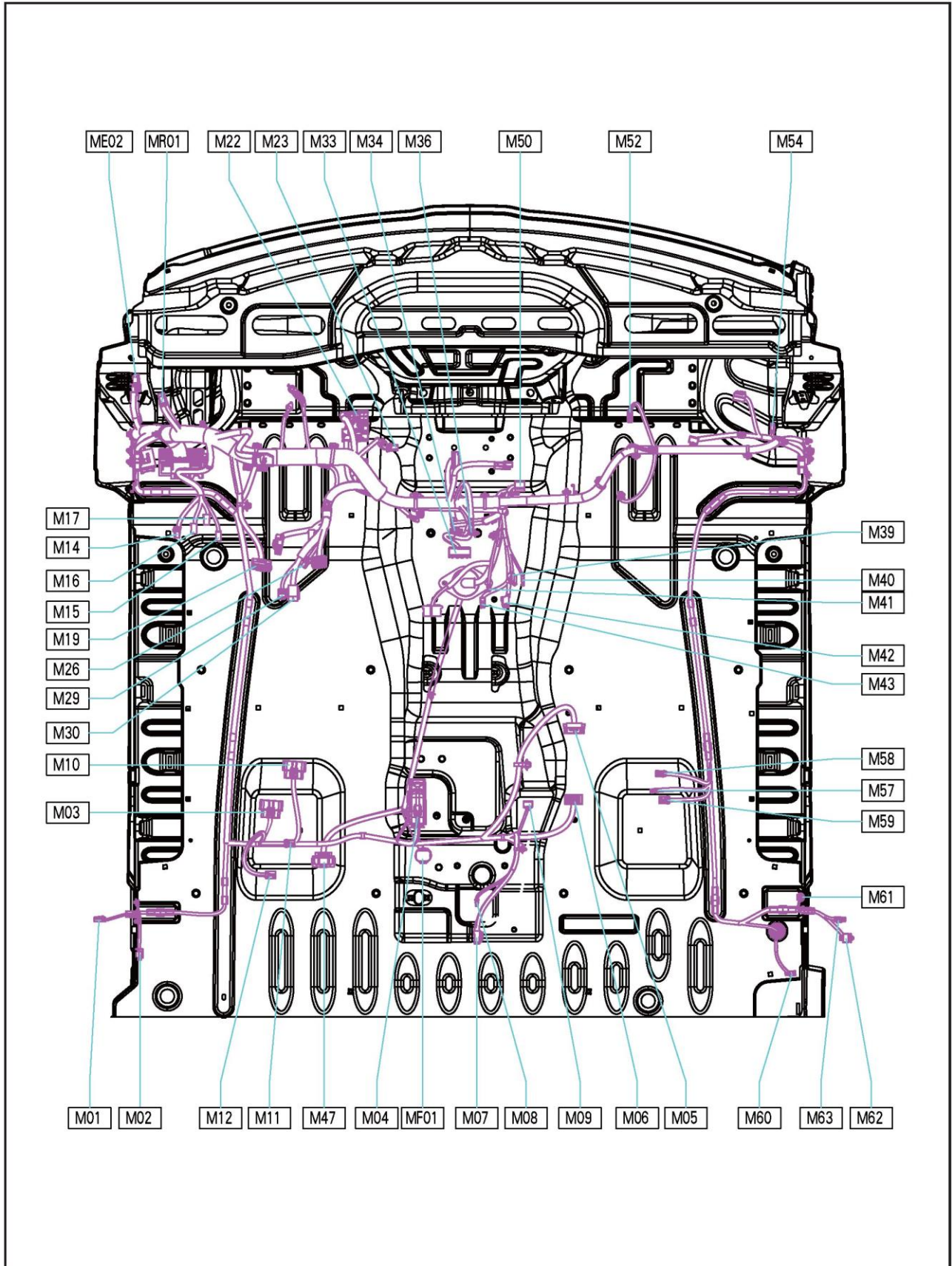


Pin	Function	Remarks
1	GND	-

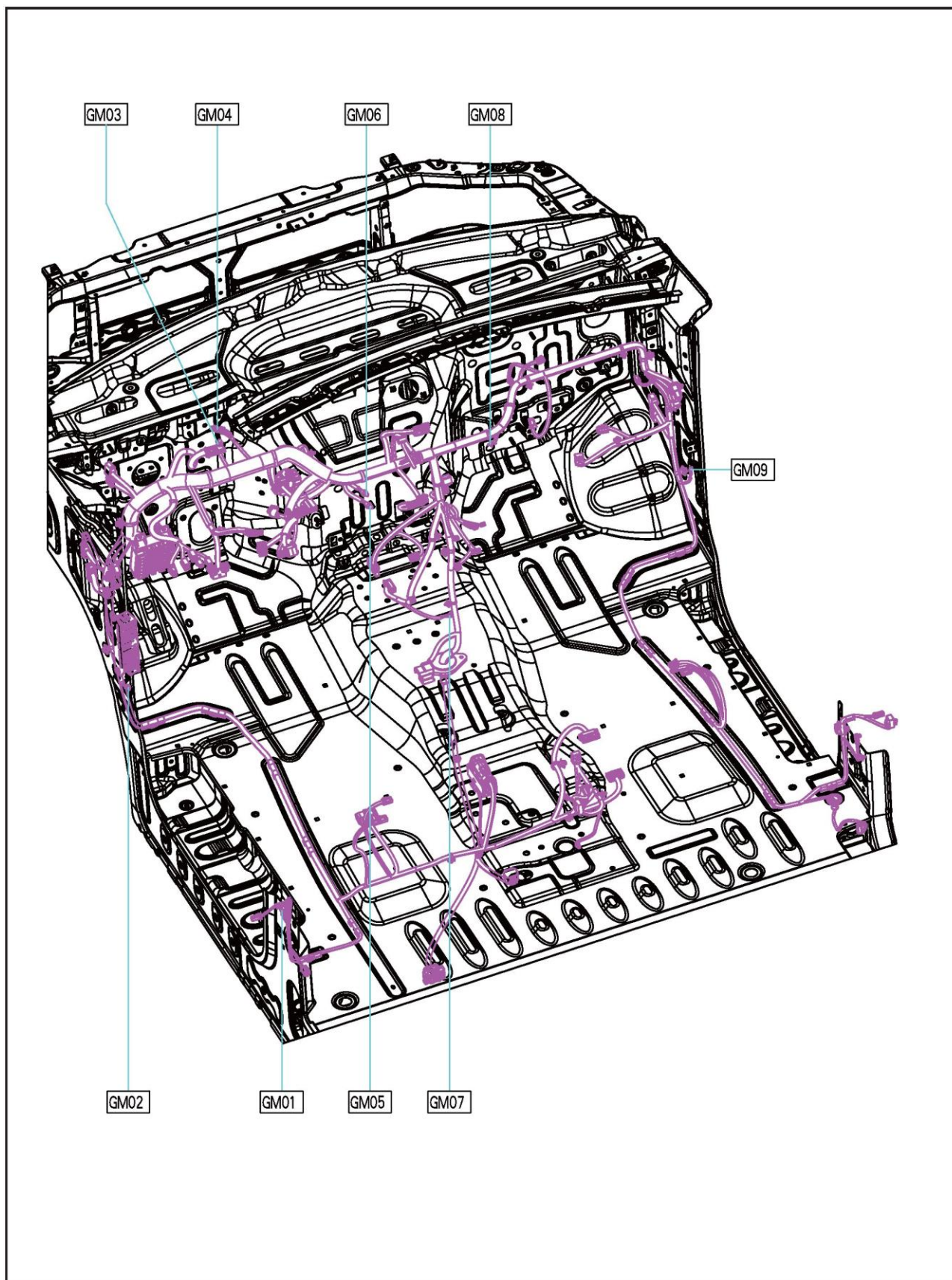
Layout of Main Harness Assembly 1



Layout of Main Harness Assembly 2



Layout of GND Points of Main Harness Assembly



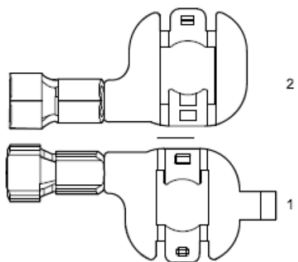
List of Main Harness Connectors

Harness connectors	Name	Harness connectors	Name
GM01	Main harness GND 1	M34	MP5 display screen
GM02	Main harness GND 2	M35	PTC interface
GM03	Main harness GND 3	M36	Hazard warning light switch
GM04	Main harness GND 4	M37	PCAN short-circuiter - main line
GM05	Main harness GND 5	M38	Airbag controller
GM06	Main harness GND 6	M39	Cigarette lighter
GM07	Main harness GND 7	M40	Cigarette lighter lighting
GM08	Main harness GND 8	M41	Front USB charging module
GM09	Main harness GND 9	M42	AUTOHOLD switch
M01	Front left door contact switch	M43	EPB switch
M02	Left B-pillar collision sensor	M44	MP5 host
M03	Charging communication controller EVCC	M45	MP5 host
M04	EPB controller	M46	MP5 host
M05	Power window anti-pinch module	M47	Power battery management module BMS
M06	Power window anti-pinch module	M48	T-BOX
M07	Rear blower switch	M49	Gear position controller (SLC)
M08	Second-row USB charging module	M50	Temperature damper actuator
M09	Rear fan motor	M51	EVCAN short-circuiter
M10	Vehicle traveling data recorder interface	M52	Evaporator surface temperature sensor
M11	Front left seat heating interface	M53	Passenger frontal airbag
M12	Driver's seat belt switch	M54	Internal/external circulation actuator
M13	EPS module signal	M55	Speed regulation module
M14	Rearview mirror switch	M56	Blower motor
M15	LDWS, ESC switch	M57	Front passenger's seat detection sensor
M16	Headlight position adjustment switch	M58	Passenger's seat belt switch
M17	Dimmer switch	M59	Front right seat heating interface
M18	Instrument cluster	M60	Step light
M19	Combination switch - light	M61	Right B-pillar collision sensor
M20	BMS debugging CAN interface	M62	Middle door lock
M21	Diagnostic interface	M63	Front right door contact switch
M22	BCM	MD01	Main harness to front left door harness 1
M23	Mode conversion actuator	MD02	Main harness to front left door harness 2
M24	IMMO controller	MD21	Main harness to front right door harness 1
M25	Ignition switch keyhole lighting	MD22	Main harness to front right door harness 2
M26	IMMO coil	ME01	Main harness connected to engine harness 1
M27	Combination switch - wiper	ME02	Main harness connected to engine harness 2

Harness connectors	Name	Harness connectors	Name
M28	Ignition switch_main unit	ME03	Main harness connected to engine harness 3
M29	Clock spring _ horn	MF01	Main harness to frame harness
M30	Clock spring_airbag	MR01	Main harness connected to roof harness 1
M31	BCM	MR02	Main harness connected to roof harness 2
M32	BCM	MS01	Main harness to sunlight sensor harness
M33	A/C control panel	-	-

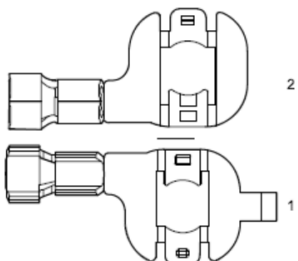
Terminal Definition of Main Harness

GM01 Main harness GND 1



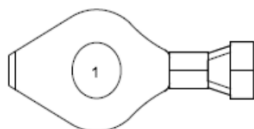
Pin	Function	Remarks
1	GND	-
2	GND	-

GM02 Main harness GND 2



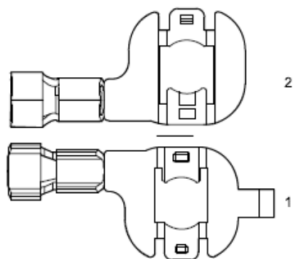
Pin	Function	Remarks
1	GND	-
2	GND	-

GM03 Main harness GND 3



Pin	Function	Remarks
1	GND	-

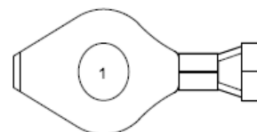
GM04 Main harness GND 4



Pin	Function	Remarks
1	GND	-

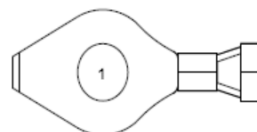
Pin	Function	Remarks
2	GND	-

GM05 Main harness GND 5



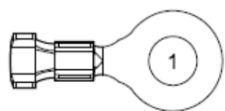
Pin	Function	Remarks
1	GND	-

GM06 Main harness GND 6



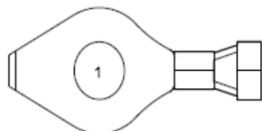
Pin	Function	Remarks
1	GND	-

GM07 Main harness GND 7



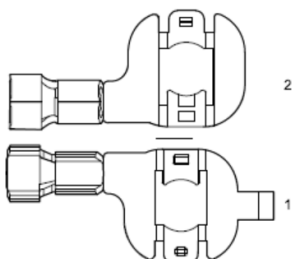
Pin	Function	Remarks
1	GND	-

GM08 Main harness GND 8



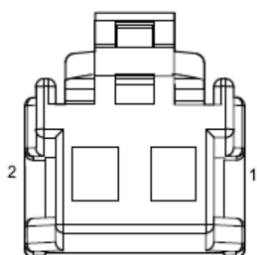
Pin	Function	Remarks
1	GND	-

GM09 Main harness GND 9



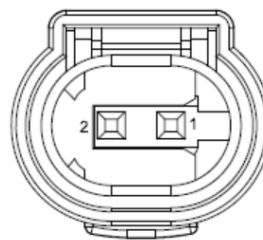
Pin	Function	Remarks
1	GND	-
2	GND	-

F01 Front left door contact switch



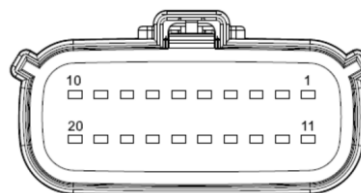
Pin	Function	Remarks
1	Door control switch signal	-
2	Door status signal	-

M02 Left B-pillar collision sensor



Pin	Function	Remarks
1	Negative pole	-
2	Positive pole	-

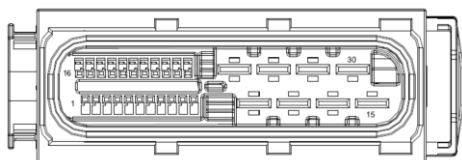
M03 Charging communication controller EVCC



Pin	Function	Remarks
1	B+	-
2	-	-
3	Fast charging CAN_L	-
4	-	-
5	LOCK+	-

Pin	Function	Remarks
6	LOCK-	-
7	Fast charging A+	-
8	-	-
9	-	-
10	CP	-
11	GND	-
12	-	-
13	Fast charging CAN_H	-
14	-	-
15	Electronic lock power supply	-
16	Electronic lock detection signal	-
17	-	-
18	-	-
19	-	-
20	GND	-

M04 EPB controller

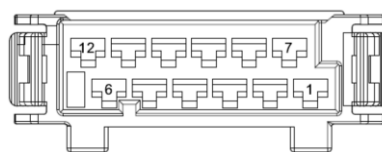


Pin	Function	Remarks
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	AH IND-	-
8	EPB SW IND-	-
9	-	-
10	-	-
11	-	-
12	Right motor +	-
13	Right EPB power supply	-
14	Left motor +	-
15	Left EPB power supply	-
16	PCAN_H	-
17	PCAN_L	-
18	-	-
19	-	-
20	-	-
21	-	-

Pin	Function	Remarks
22	IG1	-
23	-	-
24	-	-
25	PCAN_H2	-
26	PCAN_L2	-
27	Right motor -	-
28	Right EPB GND	-
29	Left motor -	-
30	Left EPB GND	-

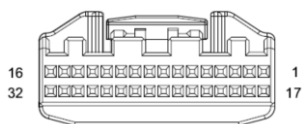
M05 Power window anti-pinch module

1



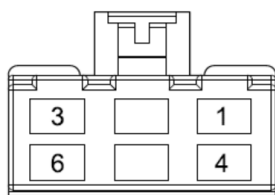
Pin	Function	Remarks
1	B+	-
2	B+	-
3	GND	-
4	GND	-
5	-	-
6	-	-
7	Front left lifting	-
8	Front left lowering	-
9	Front right lifting	-
10	Front right lowering	-
11	-	-
12	-	-

M06 Power window anti-pinch module



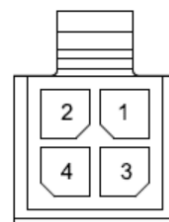
Pin	Function	Remarks
1	PCAN_H	-
2	PCAN_L	-
3	ACC	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	Front right regulating input	-
11	Front right regulating input	-
12	-	-
13	Front left regulating input	-
14	-	-
15	GND	-
16	B+	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	-	-
23	-	-
24	-	-
25	-	-
26	-	-
27	-	-
28	-	-
29	-	-
30	IG1	-
31	-	-
32	-	-

M07 Rear blower switch



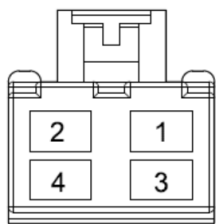
Pin	Function	Remarks
1	3rd gear signal	-
2	-	-
3	Power supply	-
4	-	-
5	2nd gear signal	-
6	1st gear signal	-

M08 Second-row USB charging module



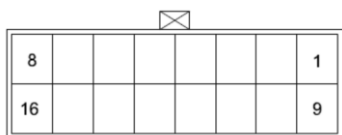
Pin	Function	Remarks
1	Power supply	-
2	GND	-
3	-	-
4	-	-

M09 Rear fan motor



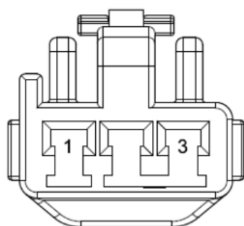
Pin	Function	Remarks
1	GND	-
2	1st gear	-
3	3rd gear	-
4	2nd gear	-

M10 Vehicle traveling data recorder interface



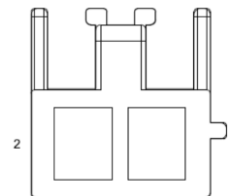
Pin	Function	Remarks
1	-	-
2	-	-
3	PCAN_L	-
4	PCAN_H	-
5	Brake signal	-
6	-	-
7	ACC	-
8	SOS	-
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	-	-
15	GND	-
16	B+	-

M11 Front left seat heating interface



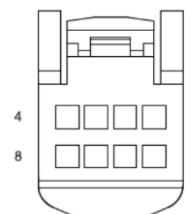
Pin	Function	Remarks
1	Power supply	-
2	-	-
3	GND	-

M12 Driver's seat belt switch



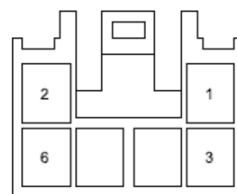
Pin	Function	Remarks
1	Seat belt switch signal	-
2	GND	-

M13 EPS module signal

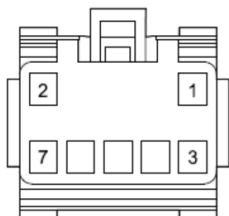


Pin	Function	Remarks
1	-	-
2	-	-
3	-	-

Pin	Function	Remarks
4	-	-
5	IG1	-
6	-	-
7	PCAN_L	-
8	PCAN_H	-

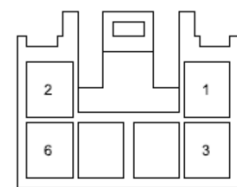


M14 Rearview mirror switch



Pin	Function	Remarks
1	GND	-
2	POWER	-
3	ILL+	-
4	Right	-
5	Left	-
6	ILL-	-

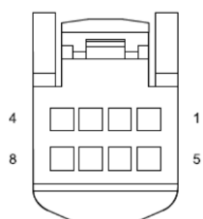
M17 Dimmer switch



Pin	Function	Remarks
1	OSRVM_LH_COM	-
2	OSRVM_RH_D/U	-
3	ACC	-
4	OSRVM_RH_R/L	-
5	OSRVM_LH_R/L	-
6	OSRVM_LH_D/U	-
7	GND	-

Pin	Function	Remarks
1	-	-
2	-	-
3	GND	-
4	PWM negative control signal	-
5	ILL-	-
6	IL+	-

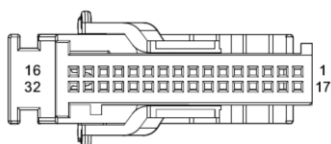
M15 LDWS, ESC switches



M18 Instrument cluster

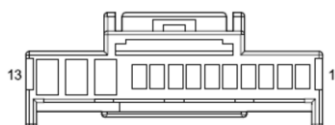
Pin	Function	Remarks
1	LDWS switch signal	-
2	LDWS switch GND	-
3	ESC OFF	-
4	ESC OFF switch GND	-
5	ILL-	-
6	ILL+	-
7	-	-
8	-	-

M16 Headlight position adjustment switch



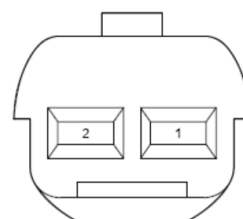
Pin	Function	Remarks
1	-	-
2	Driver's seat belt	-
3	SBR+	-
4	-	-
5	-	-
6	-	-
7	-	-
8	PCAN_H	-
9	PCAN_L	-
10	-	-
11	-	-
12	Brake fluid level	-
13	-	-
14	Buzzer signal	-
15	-	-
16	-	-
17	-	-
18	B+	-
19	IG1	-
20	-	-
21	-	-
22	-	-
23	GND	-
24	-	-
25	-	-
26	-	-
27	-	-
28	-	-
29	-	-
30	-	-
31	Steering wheel switch signal +	-
32	Steering wheel switch signal -	-

M19 Combination switch - light



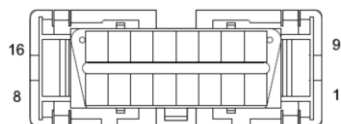
Pin	Function	Remarks
1	Position light switch GND	-
2	Clearance light switch	-
3	AUTO switch	-
4	Low beam switch	-
5	Fog light switch GND	-
6	Front fog light switch	-
7	Rear fog light switch	-
8	-	-
9	High beam switch	-
10	High beam (enabled)	-
11	Left turn signal -	-
12	Steering COM	-
13	Right turn signal -	-

M20 BMS debugging CAN interface



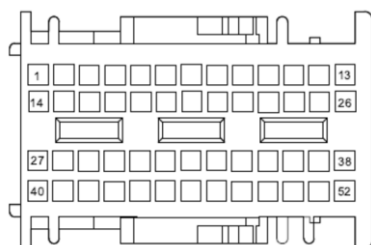
Pin	Function	Remarks
1	Debug CANH	-
2	Debug CANL	-

M21 Diagnostic interface



Pin	Function	Remarks
1	EVCAN_H	-
2	DC CANH	-
3	-	-
4	GND1	-
5	GND2	-
6	PCAN_H	-
7	-	-
8	-	-
9	EVCAN_L	-
10	DC CANL	-
11	-	-
12	VCU calibration CANH	-
13	VCU calibration CANL	-
14	PCAN_L	-
15	-	-
16	B+	-

M22 BCM

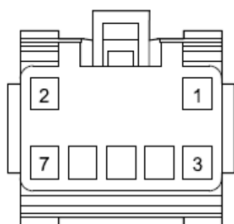


Pin	Function	Remarks
1	EVCAN_L	-
2	IG2	-
3	-	-
4	Signal GND	-
5	Left turn signal -	-
6	-	-
7	ACC	-
8	IG1	-
9	Warning light switch signal	-
10	Rear wiper switch	-
11	-	-
12	-	-
13	Front wiper high-speed switch	-
14	EVCAN_H	-

Pin	Function	Remarks
15	IMMO relay control signal	-
16	Front wiper low speed switch	-
17	-	-
18	-	-
19	-	-
20	-	-
21	Front wiper intermittent switch	-
22	Key-in signal	-
23	-	-
24	Front washer switch	-
25	-	-
26	Front wiper inching switch	-
27	-	-
28	-	-
29	Wiper intermittent adjustment GND	-
30	Low beam switch signal	-
31	Position light switch signal	-
32	AUTO switch signal	-
33	Rear fog light switch signal	-
34	Right turn signal -	-
35	-	-
36	-	-
37	Rear washer switch	-
38	Rear defroster switch	-
39	-	-
40	Rear wiper relay control	-
41	PCAN_L	-
42	PCAN_H	-
43	-	-

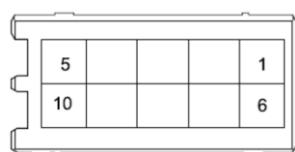
Pin	Function	Remarks
44	-	-
45	Wiper intermittent adjustment signal	-
46	-	-
47	-	-
48	-	-
49	High beam switch signal	-
50	Front fog light switch signal	-
51	-	-
52	-	-

M23 Mode conversion actuator



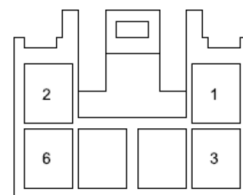
Pin	Function	Remarks
1	5V power supply	-
2	Motor +	-
3	Sensor GND	-
4	Feedback signal	-
5	Motor -	-
6	-	-
7	-	-

M24 IMMO controller



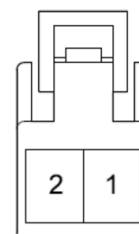
Pin	Function	Remarks
1	Coil signal	-
2	B+	-
3	IG1	-
4	-	-
5	PCAN_H	-
6	Coil GND	-
7	GND	-
8	-	-
9	-	-
10	PCAN_L	-

M25 Ignition switch keyhole lighting



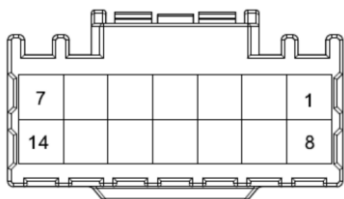
Pin	Function	Remarks
1	-	-
2	-	-
3	Power supply	-
4	Key-in signal	-
5	Power supply	-
6	Keyhole lighting GND	-

M26 IMMO coil



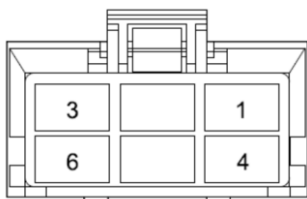
Pin	Function	Remarks
1	Coil signal	-
2	Coil GND	-

M27 Combination switch - wiper



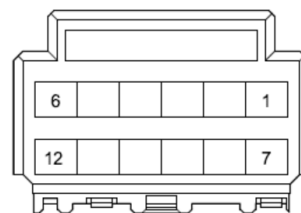
Pin	Function	Remarks
1	MIST	-
2	-	-
3	LO	-
4	-	-
5	R_WASH	-
6	R_COM	-
7	R_SW	-
8	INT_SW	-
9	HI	-
10	F_COM	-
11	F_WASH	-
12	INT_GND	-
13	INT_ADJ	-
14	-	-

M28 Ignition switch _ main unit



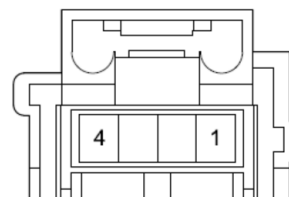
Pin	Function	Remarks
1	B+ power supply 2	-
2	IG2 power supply	-
3	Starting signal	-
4	IG1 power supply	-
5	B+ power supply 1	-
6	ACC power supply	-

M29 Clock spring _ horn



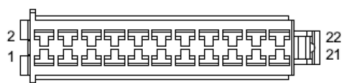
Pin	Function	Remarks
1	-	-
2	-	-
3	Audio control -	-
4	Audio control +	-
5	CCS-	-
6	CCS+	-
7	-	-
8	ILL+	-
9	ILL-	-
10	Steering wheel switch signal -	-
11	Steering wheel switch signal +	-
12	Horn relay control	-

M30 Clock spring _ airbag



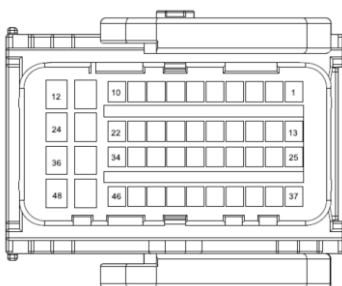
Pin	Function	Remarks
1	Positive pole	-
2	Negative pole	-
3	-	-
4	-	-

M31 BCM



Pin	Function	Remarks
1	Interior light power supply B+	-
2	-	-
3	External light power supply B+	-
4	-	-
5	Right daytime running light	-
6	-	-
7	Signal GND	-
8	-	-
9	Signal GND	-
10	-	-
11	-	-
12	-	-
13	-	-
14	Door lock motor power supply B+	-
15	-	-
16	-	-
17	-	-
18	Locking	-
19	-	-
20	Unlocking	-
21	-	-
22	Power supply GND	-

M32 BCM

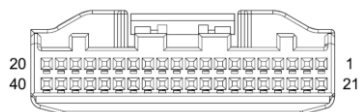


Pin	Function	Remarks
1	-	-

Pin	Function	Remarks
2	Rear contact switch signal of right middle door	-
3	Engine hood switch	-
4	-	-
5	Unlocking switch	-
6	Front fog light relay control	-
7	-	-
8	Signal GND	-
9	Keyhole lighting GND	-
10	-	-
11	Rear left turn signal	-
12	Interior light control	-
13	Brake signal input	-
14	Reversing light relay control	-
15	Economizer relay	-
16	Front right seat heating relay control signal	-
17	Front wiper low-speed control	-
18	High beam relay control	-
19	Front left door lock status	-
20	-	-
21	-	-
22	-	-
23	Rear right turn signal	-
24	Front left turn signal	-
25	-	-
26	Backlight PWM signal	-
27	Front right door contact switch signal	-
28	Front left seat heating relay control signal	-
29	Rear defroster relay control	-
30	Position light relay control	-

Pin	Function	Remarks
31	Front wiper high-speed control	-
32	-	-
33	Signal	-
34	-	-
35	Front right turn signal	-
36	Rear fog light	-
37	Collision signal	-
38	Locking switch	-
39	Front left door contact switch signal	-
40	Liftgate status switch	-
41	Low beam relay control	-
42	Horn relay control	-
43	High beam enabling signal	-
44	-	-
45	-	-
46	-	-
47	Left daytime running light	-
48	Brake light	-

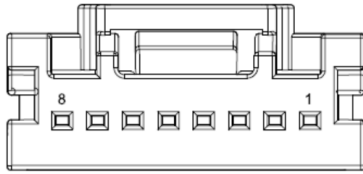
M33 A/C control panel



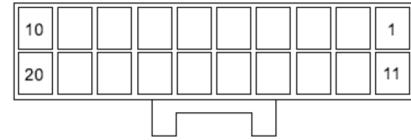
Pin	Function	Remarks
1	Rear defroster request	-
2	Rear defroster indicator	-
3	Internal/external circulation M- (return air)	-
4	Interior/exterior circulation M+ (fresh air)	-
5	Mode M-	-
6	Mode M+	-
7	Temperature damper M-	-
8	Temperature damper M+	-
9	Front blower relay control signal	-
10	Negative feedback signal of fan	-
11	Rear blower relay control signal	-
12	Speed regulation control	-
13	ILL+	-
14	PTC1 Open SIG	-
15	PTC2 Open SIG	-
16	-	-
17	-	-

Pin	Function	Remarks
18	-	-
19	B+	-
20	Power supply	-
21	Power supply 5 +	-
22	-	-
23	TEMP FB	-
24	MODE FB	-
25	PTC temperature control switch	-
26	PTC temperature control switch GND	-
27	EVAP SIG	-
28	PTC temperature sensor signal	-
29	Sensor GND	-
30	PCAN_H	-
31	PCAN_L	-
32	Sensor signal	-
33	Pressure signal	-
34	Temperature signal	-
35	-	-
36	ILL-	-
37	-	-
38	-	-
39	SNR GND	-
40	GND	-

M34 MP5 display screen



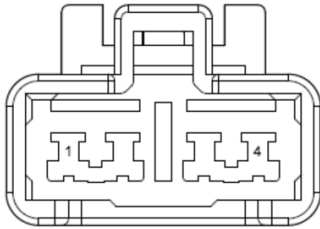
M37 PCAN short-circuiter - main line



Pin	Function	Remarks
1	B+	-
2	-	-
3	-	-
4	GND	-
5	-	-
6	-	-
7	-	-
8	-	-

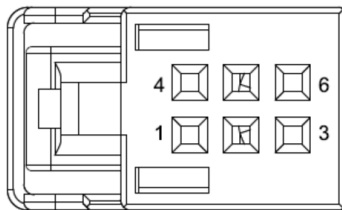
Pin	Function	Remarks
1	PCAN_H	-
2	PCAN_H	-
3	PCAN_H	-
4	PCAN_H	-
5	PCAN_H	-
6	PCAN_H	-
7	PCAN_H	-
8	PCAN_H	-
9	PCAN_H	-
10	PCAN_H	-
11	PCAN_L	-
12	PCAN_L	-
13	PCAN_L	-

M35 PTC interface



Pin	Function	Remarks
1	Sensor GND	-
2	PTC temperature sensor signal	-
3	PTC temperature control switch GND	-
4	PTC temperature control switch	-

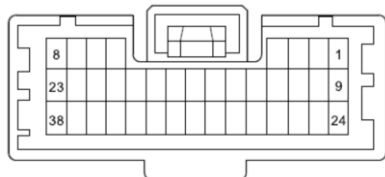
M36 Hazard warning light switch



Pin	Function	Remarks
1	Warning light switch signal	-
2	-	-
3	ILL+	-
4	ILL-	-
5	-	-
6	GND	-

Pin	Function	Remarks
14	PCAN_L	-
15	PCAN_L	-
16	PCAN_L	-
17	PCAN_L	-
18	PCAN_L	-
19	PCAN_L	-
20	PCAN_L	-

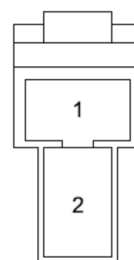
M38 Airbag controller



Pin	Function	Remarks
1	Collision signal output	-
2	-	-
3	-	-
4	-	-
5	PCAN_H	-
6	PCAN_L	-
7	GND	-
8	IG1	-
9	Front left collision sensor +	-
10	Front right collision sensor +	-
11	Left B-pillar collision sensor +	-
12	Right B-pillar collision sensor +	-
13	-	-
14	-	-
15	-	-
16	DAB+	-
17	PAB+	-
18	-	-
19	-	-
20	-	-
21	-	-
22	-	-
23	-	-
24	Front left collision sensor -	-
25	Front right collision sensor -	-
26	Left B-pillar collision sensor -	-
27	Right B-pillar collision sensor -	-
28	-	-
29	-	-

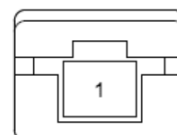
Pin	Function	Remarks
30	-	-
31	DAB-	-
32	PAB-	-
33	-	-
34	-	-
35	-	-
36	-	-
37	-	-
38	-	-

M39 Cigarette lighter



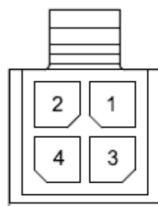
Pin	Function	Remarks
1	GND	-
2	ACC power supply	-

M40 Cigarette lighter lighting



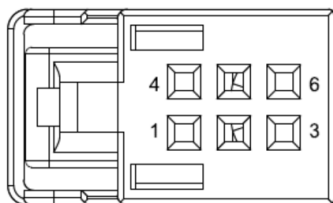
Pin	Function	Remarks
1	Cigarette lighter lighting	-

M41 Front USB charging module



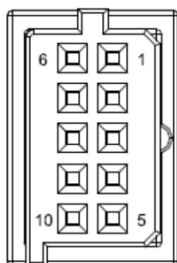
Pin	Function	Remarks
1	Power supply	-
2	GND	-
3	-	-
4	-	-

M42 AUTOHOLD switch



Pin	Function	Remarks
1	ILL+	-
2	AUTOHOLD switch +	-
3	IG1 power supply	-
4	ILL-	-
5	AUTOHOLD switch -	-
6	IG1 power supply	-

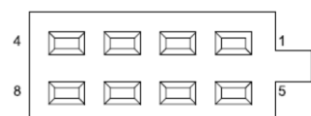
M43 EPB switch



Pin	Function	Remarks
1	-	-
2	-	-
3	-	-
4	-	-

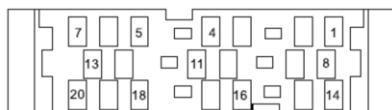
Pin	Function	Remarks
5	EPB SW IND+	-
6	-	-
7	-	-
8	ILL-	-
9	ILL+	-
10	-	-

M44 MP5 host



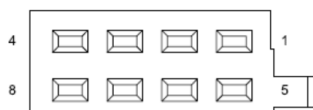
Pin	Function	Remarks
1	RR+	-
2	FR+	-
3	FL+	-
4	RL+	-
5	RR-	-
6	FR-	-
7	FL-	-
8	RL-	-

M45 MP5 host



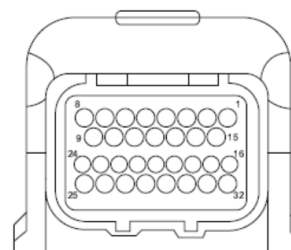
Pin	Function	Remarks
1	Video-	-
2	Video+	-
3	Reverse power reserved	-
4	-	-
5	-	-
6	-	-
7	-	-
8	Video GND	-
9	-	-
10	PCAN_H	-
11	PCAN_L	-
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	Front passenger microphone	-
19	Driver microphone	-
20	Microphone GND	-

M46 MP5 host



Pin	Function	Remarks
1	ILL-	-
2	Wire control signal	-
3	-	-
4	B+	-
5	Wire control GND	-
6	ACC	-
7	ILL+	-
8	GND	-

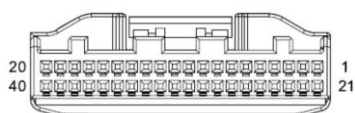
M47 Power battery management module BMS



Pin	Function	Remarks
1	-	-
2	-	-
3	-	-
4	-	-
5	Fast charging CANH	-
6	Fast charging CANL	-
7	Fast charging CC2	-
8	-	-
9	EVCAN_H	-
10	EVCAN_L	-
11	Fast charging A+	Equipped with X6530
11	Fast charging wakeup signal A+	Equipped with X6536
12	Confirmation of charging connection	-
13	-	-
14	Debug CANH	-
15	Debug CANL	-
16	Power supply	-
17	B+	-
18	GND	-
19	Fast charging CAN shielding layer	-

Pin	Function	Remarks
20	CAN shielding layer	-
21	Fast charging temperature 1	-
22	-	-
23	Slow charging temperature WK3	-
24	-	-
25	-	-
26	Fast charging RLY control+	-
27	Fast charging temperature 2	Equipped with X6530
27	Common GND for temperature detection	Equipped with X6536
28	-	-
29	-	-
30	-	-
31	-	-
32	-	-

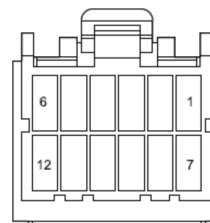
M48 T-BOX



Pin	Function	Remarks
1	B+	-
2	EVCAN_H	-
3	PCAN_L	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	GND	-
19	-	-
20	Power supply	-
21	GND	-

Pin	Function	Remarks
22	EVCAN_L	-
23	PCAN_H	-
24	-	-
25	-	-
26	-	-
27	-	-
28	-	-
29	-	-
30	-	-
31	-	-
32	-	-
33	-	-
34	GND	-
35	-	-
36	-	-
37	-	-
38	-	-
39	-	-
40	-	-

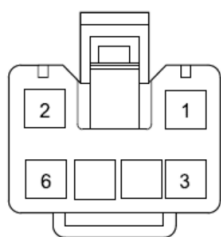
M49 Gear position controller (SLC)



Pin	Function	Remarks
1	IG1	-
2	Gear position switch output 1	-
3	GND	-
4	Gear position switch output 2	-

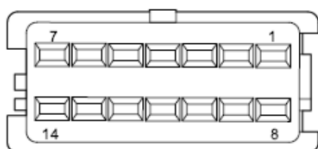
Pin	Function	Remarks
5	-	-
6	Gear position switch output 3	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-

M50 Temperature damper actuator



Pin	Function	Remarks
1	Sensor GND	-
2	Motor +	-
3	Feedback signal	-
4	5V power supply	-
5	-	-
6	Motor -	-

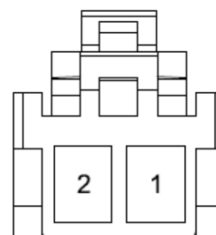
M51 EVCAN short-circuiter



Pin	Function	Remarks
1	EVCAN_H	-
2	EVCAN_H	-
3	EVCAN_H	-
4	EVCAN_H	-
5	EVCAN_H	-
6	-	-
7	-	-
8	EVCAN_L	-
9	EVCAN_L	-
10	EVCAN_L	-
11	EVCAN_L	-
12	EVCAN_L	-
13	-	-

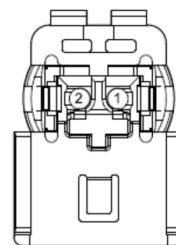
Pin	Function	Remarks
14	-	-

M52 Evaporator surface temperature sensor



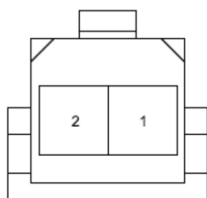
Pin	Function	Remarks
1	Sensor signal	-
2	Sensor GND	-

M53 Passenger frontal airbag



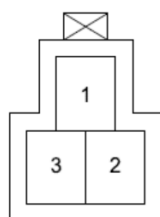
Pin	Function	Remarks
1	Positive pole	-
2	Negative pole	-

M54 Internal/external circulation actuator



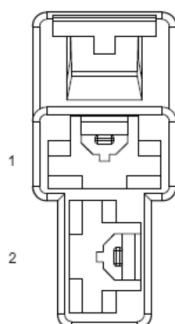
Pin	Function	Remarks
1	Interior/exterior circulation M+	-
2	Internal/external circulation M-	-

M55 Speed regulation module



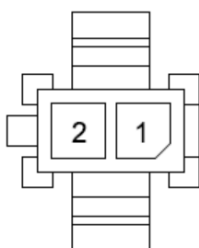
Pin	Function	Remarks
1	Motor GND	-
2	GND	-
3	Speed regulation control signal	-

M56 Blower motor



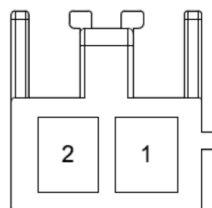
Pin	Function	Remarks
1	Motor +	-
2	Motor -	-

M57 Front passenger's seat detection sensor



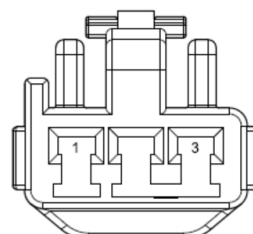
Pin	Function	Remarks
1	Signal +	-
2	Signal -	-

M58 Passenger seat belt switch



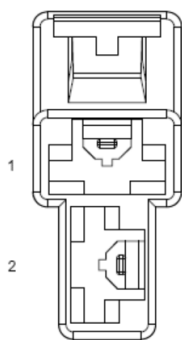
Pin	Function	Remarks
1	Seat belt switch signal	-
2	GND	-

M59 Front right seat heating interface



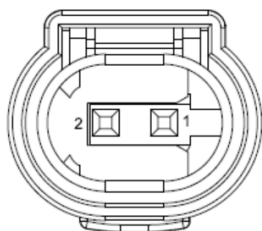
Pin	Function	Remarks
1	Power supply	-
2	-	-
3	GND	-

M60 Step light



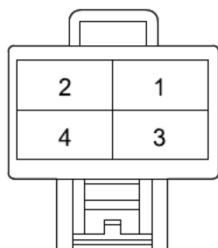
Pin	Function	Remarks
1	Positive pole	-
2	Negative pole	-

M61 Right B-pillar collision sensor



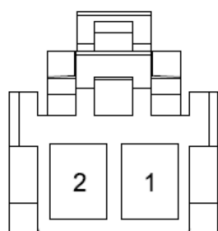
Pin	Function	Remarks
1	Negative pole	-
2	Positive pole	-

M62 Middle door lock



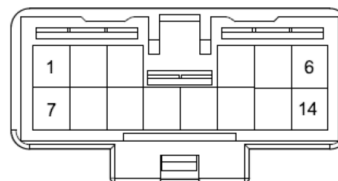
Pin	Function	Remarks
1	L	-
2	-	-
3	-	-
4	UL	-

M63 Front right door contact switch



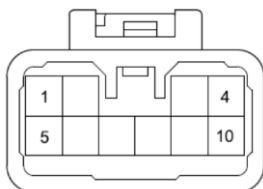
Pin	Function	Remarks
1	Door status signal	-
2	Door control switch signal	-

MD01 Main harness to front left door harness 1



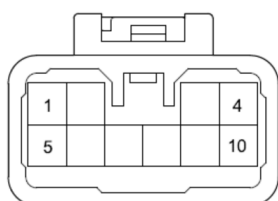
Pin	Function	Remarks
1	Left turn signal power supply	-
2	Locking switch signal	-
3	Unlocking switch signal	-
4	Left window glass up signal	-
5	Left window glass down signal	-
6	Backlight ground	-
7	Backlight power supply	-
8	-	-
9	GND	-
10	GND	-
11	Left exterior rearview mirror actuator power supply	-
12	Left exterior rearview mirror actuator horizontal adjustment signal	-
13	Left exterior rearview mirror actuator adjustment common terminal	-
14	Left exterior rearview mirror actuator up/down adjustment signal	-

MD02 Main harness to front left door harness 2



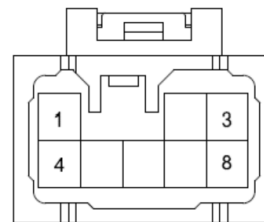
Pin	Function	Remarks
1	Front right regulating input	-
2	Power supply of front left door light	-
3	Front left door light GND	-
4	Front left door speaker GND	-
5	Front left door speaker power supply	-
6	Front left door lock actuator unlocking signal	-
7	Front left door lock status signal	-
8	Front left door lock actuator locking signal	-
9	GND	-
10	Front left regulating input	-

MD21 Main harness to front right door harness 1



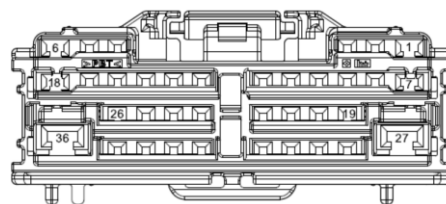
Pin	Function	Remarks
1	Front right lowering	-
2	Front right lifting	-
3	Backlight ground	-
4	Backlight power supply	-
5	-	-
6	GND	-
7	Right exterior rearview mirror actuator power supply	-
8	Right exterior rearview mirror actuator horizontal adjustment	-
9	Right exterior rearview mirror actuator adjustment common terminal	-
10	Right exterior rearview mirror actuator up/down adjustment signal	-

MD22 Main harness to front right door harness 2



Pin	Function	Remarks
1	Front right door light power supply	-
2	Front right door light GND	-
3	Front right speaker -	-
4	Front right door speaker +	-
5	Front right door lock actuator unlocking signal	-
6	Front right up/down signal	-
7	Front right door lock actuator locking signal	-
8	Right turn signal power supply	-

ME01 Main harness connected to engine harness 1



Pin	Function	Remarks
1	Power supply	-
2	Brake fluid level signal	-
3	Front wiper low-speed control	-
4	Front wiper high-speed control	-
5	Collision signal	-
6	Power supply	-

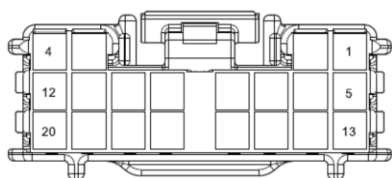
Pin	Function	Remarks
7	Charging indicator power supply	-
8	Front left turn signal power supply	-
9	Front right turn signal power supply	-
10	ESC OFF switch signal	-
11	-	-
12	Front fog light relay control	-
13	Control signal of electric horn relay	-
14	Position light relay control	-
15	Pressure signal	-
16	Temperature signal	-
17	Brake pedal switch power supply	-
18	Start request signal	-
19	IG1 power supply	-
20	Engine hood switch	-
21	PT sensor 5 V power supply	-
22	PT sensor GND	-
23	Exterior temperature sensor signal	-
24	Exterior temperature sensor GND	-
25	PCAN_H	-
26	PCAN_L	-
27	Front left seat heating interface power supply	Equipped with X6536
27	VCU calibration CANH	Equipped with X6530
28	Left EPB interface +	-
29	Left EPB interface -	-
30	Right EPB interface +	-
31	Right EPB interface -	-
32	Low beam relay control	-
33	High beam relay control	-
34	Left daytime running light	-
35	Right daytime running light	-
36	Front right seat heating interface power supply	Equipped with X6536
36	VCU calibration CANH	Equipped with X6530

ME02 Main harness connected to engine harness 2



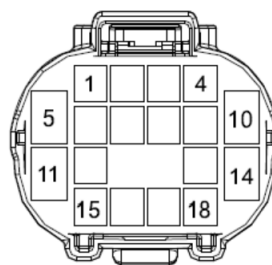
Pin	Function	Remarks
1	Front left combination light motor adjustment signal	-
2	Front right combination light motor adjustment signal	-
3	CCS +	-
4	CCS -	-
5	Left EPB power supply	-
6	IG1 power supply	-
7	Front left side collision sensor +	-
8	Front left side collision sensor -	-
9	Front right collision sensor +	-
10	Front right collision sensor -	-
11	Brake signal	-
12	Right EPB power supply	-
13	Power supply	-
14	Gear switch input 1	-
15	Gear switch input 2	-
16	Electronic lock detection signal	Equipped with X6536
16	Gear switch input 3	Equipped with X6530
17	-	-
18	Front washer reservoir motor power supply	-
19	AC charging confirmation PP signal	-
20	Integrated charging socket interface locking signal	-
21	Front washer reservoir motor GND	-
22	AC charging confirmation CP signal	-
23	Coolant temperature sensor signal	-
24	Coolant temperature sensor signal GND	-
25	Integrated charging socket interface unlocking signal	-
26	-	-

ME03 Main harness connected to engine harness 3



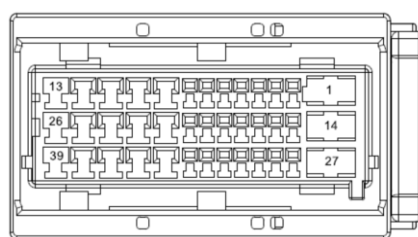
Pin	Function	Remarks
1	Charging indicator (yellow)	-
2	Charging indicator (green)	-
3	PTC1 control -	-
4	PTC2 control -	-
5	Power supply	-
6	Electronic lock +	-
7	Electronic lock -	-
8	Electronic lock power supply	-
9	Fast charging temperature 2	Equipped with X6530
9	Fast charging temperature 1	Equipped with X6536
10	Front right seat heating relay control signal	Equipped with X6530
10	Fast charging CC2	Equipped with X6536
11	Fast charging relay control +	-
12	Slow charging temperature WK3	-
13	Fast charging A+	-
14	Front left seat heating relay control signal	-
15	Fast charging CANH	Equipped with X6530
15	Power supply	Equipped with X6536
16	Fast charging CANL	-
17	EVCAN_L	-
18	EVCAN_H	-
19	AUTOHOLD switch +	-
20	Fast charging temperature 1	-

MF01 Main harness to frame harness

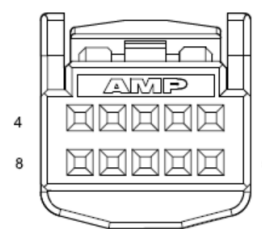


Pin	Function	Remarks
1	Front left wheel speed sensor +	-
2	Front left wheel speed sensor -	-
3	Front right wheel speed sensor +	-
4	Front right wheel speed sensor -	-
5	Left EPB motor +	-
6	Power supply	-
7	Power supply	-
8	Power supply	-
9	GND	-
10	Right EPB motor +	-
11	Left EPB motor -	-
12	Coolant temperature sensor signal	-
13	Coolant temperature sensor signal GND	-
14	Right EPB motor -	-
15	EVCAN_H	-
16	EVCAN_L	-
17	-	-
18	-	-

MR01 Main harness connected to roof harness 1

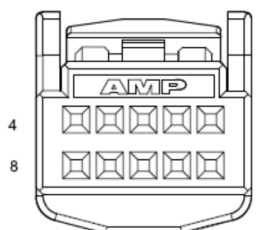


Pin	Function	Remarks
1	Power supply	-
2	GND	-
3	Interior light control	-
4	Power supply	-
5	Buzzer signal	-
6	Step light -	-
7	Rear contact switch signal of right middle door	-
8	Liftgate status switch signal	-
9	IG2 power supply	-
10	Backlight power supply	-
11	Negative pole	-
12	Liftgate lock actuator unlocking signal	-
13	Liftgate lock actuator locking signal	-
14	-	-
15	Left speaker +	-
16	Left speaker -	-
17	Right speaker +	-
18	Right speaker -	-
19	SOS switch signal	-
20	Rear fog light power supply	-
21	LDWS switch signal	-
22	Power supply	-
23	Power supply	-
24	Rear wiper relay closing power supply	-
25	Brake light power supply	-
26	Power supply	-
27	-	-
28	PCAN_H	-
29	PCAN_L	-
30	PCAN_H	-
31	PCAN_L	-
32	IG1 power supply	-
33	B+ power supply	-
34	-	-
35	Rear right turn signal power supply	-
36	Rear left turn signal power supply	-
37	Top A/C blower power supply	-
38	Power supply	-
39	-	-



Pin	Function	Remarks
1	Video+	-
2	Video-	-
3	Video GND	-
4	-	-
5	Front passenger's microphone signal	-
6	Driver's microphone signal	-
7	Microphone GND	-
8	-	-

MS01 Main harness to sunlight sensor harness

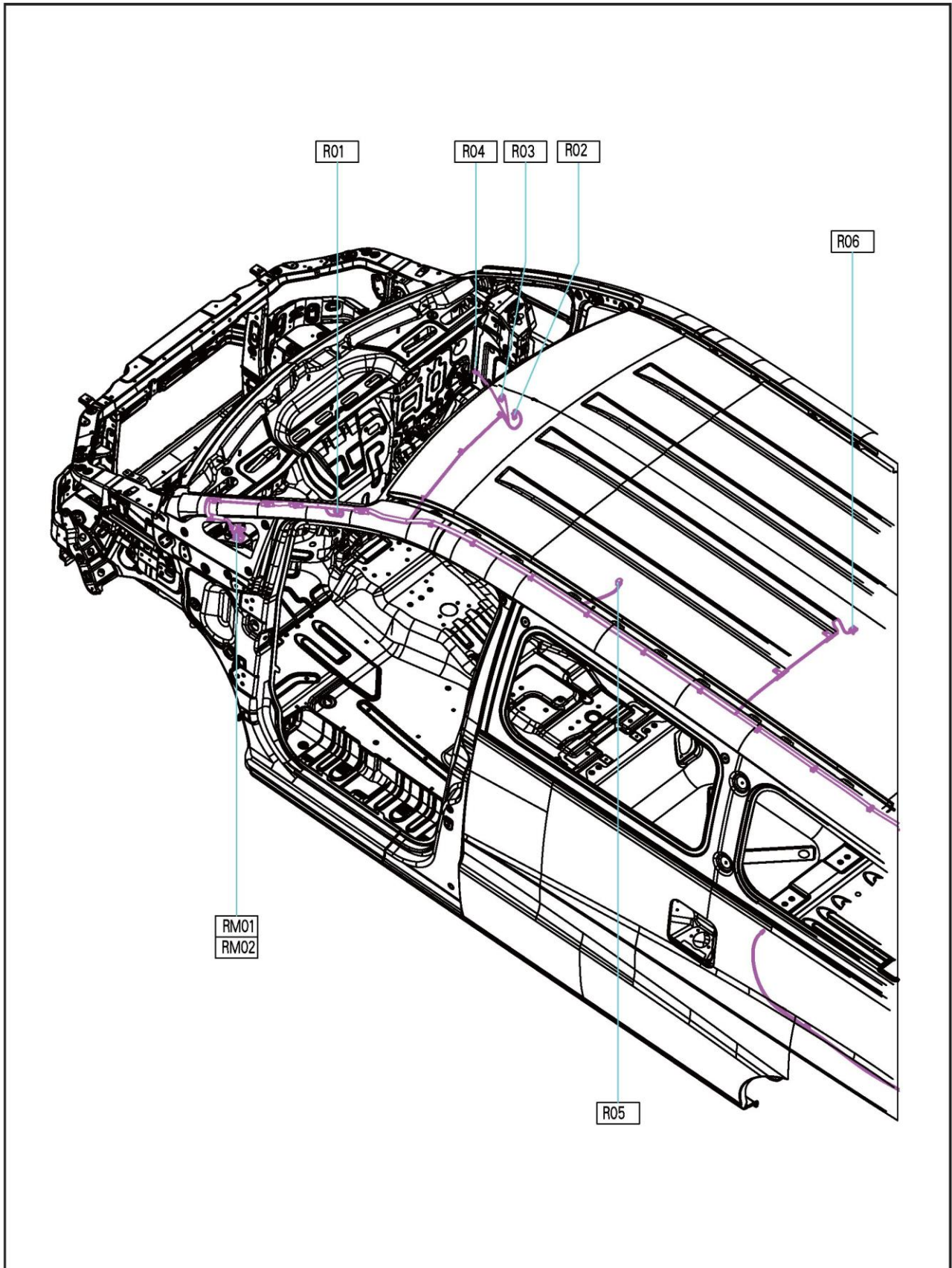


Pin	Function	Remarks
1	GND	-
2	Sunlight sensor signal	-
3	Charging indicator (yellow)	-
4	Charging indicator (green)	-
5	Power supply	-
6	Power supply	-

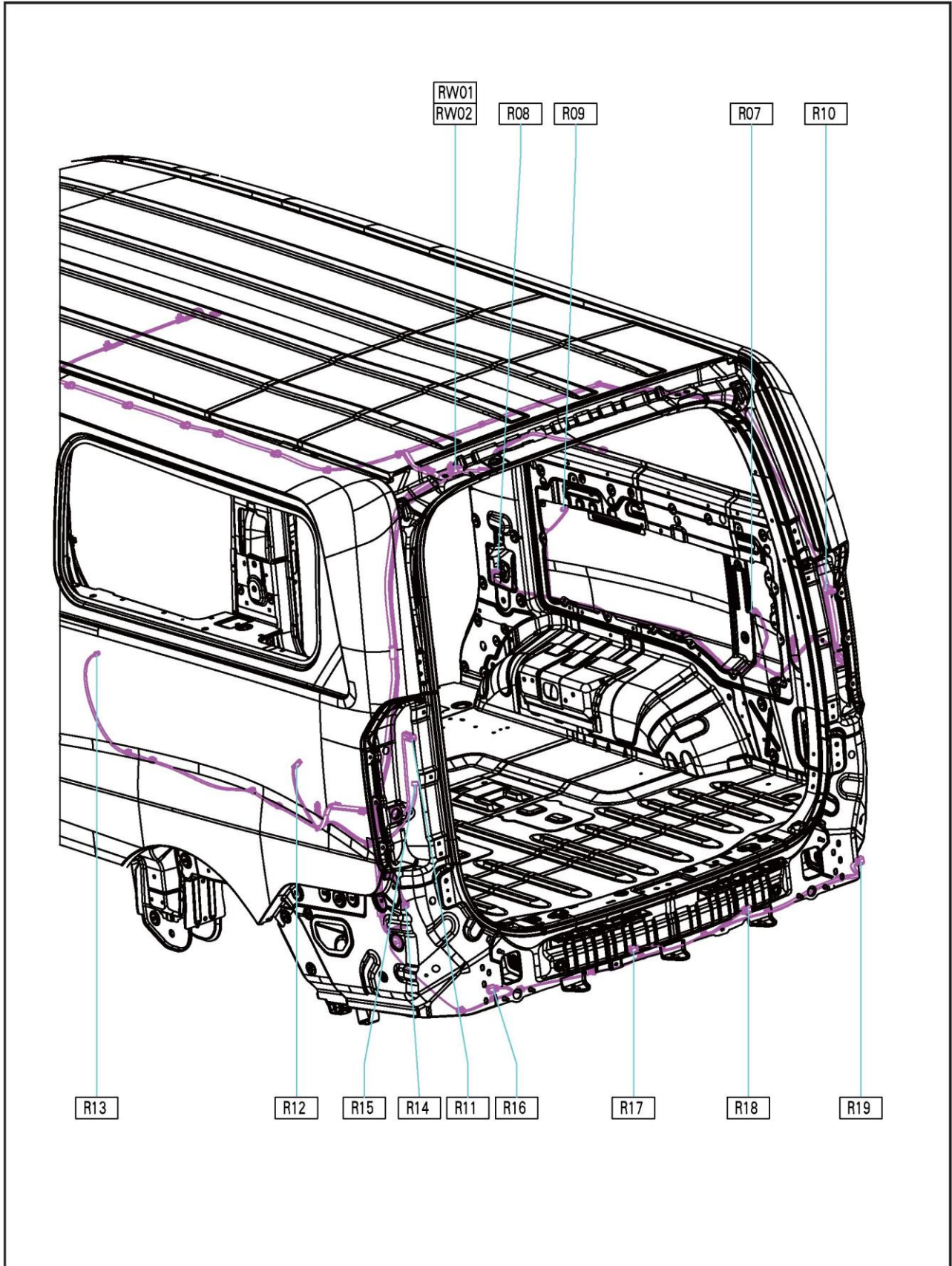
MR02 Main harness connected to roof harness 2

Pin	Function	Remarks
7	-	-
8	-	-

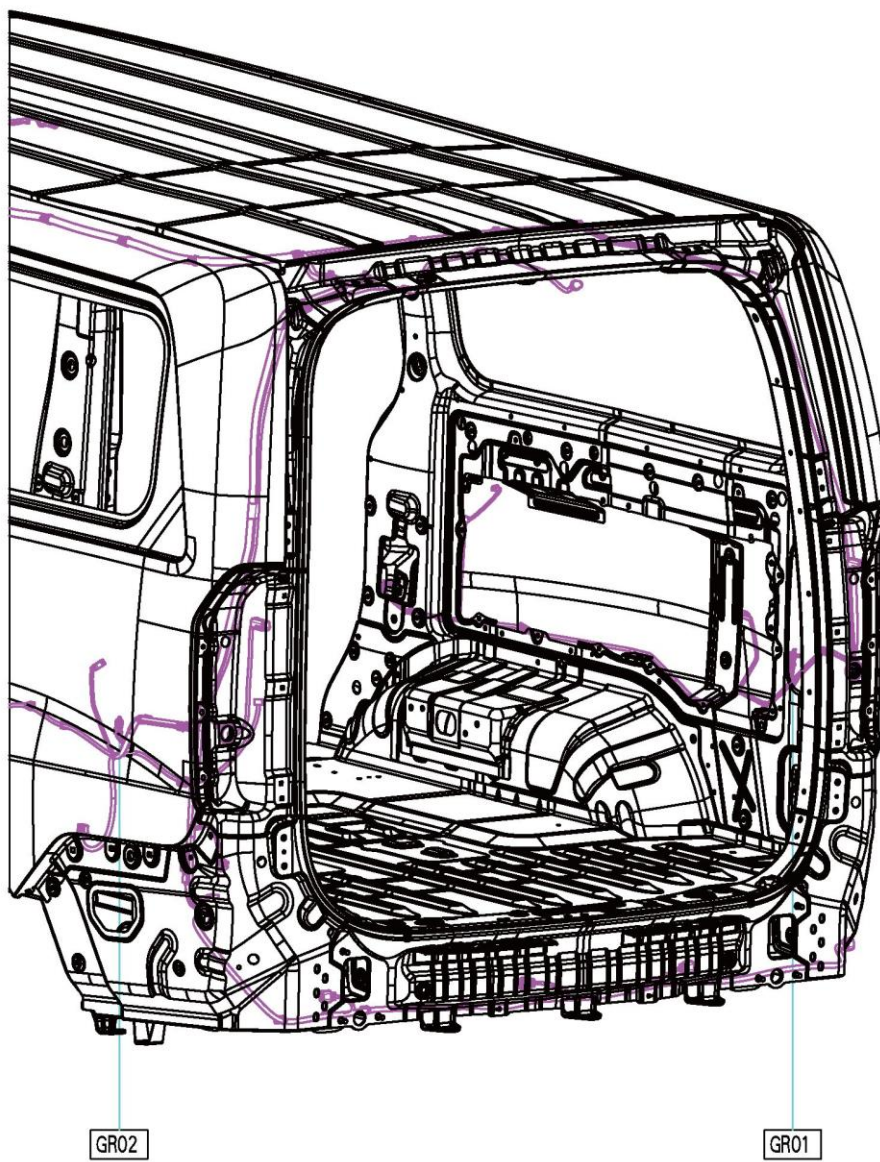
Layout of Roof Harness Assembly 1



Layout of Roof Harness Assembly 2



Layout of GND Points of Roof Harness Assembly

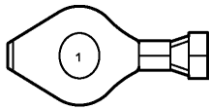


List of Roof Harness Connectors

Harness connectors	Name	Harness connectors	Name
GR01	Roof harness GND 1	R12	Left speaker
GR02	Roof harness GND 2	R13	Left USB charger
R01	Voice module	R14	Rear washer motor (reserved)
R02	Vehicle traveling data recorder	R15	Trunk light
R03	Cab roof light	R16	Left probe
R04	LDWS controller	R17	Middle left probe
R05	Top A/C blower	R18	Middle right probe
R06	Rear roof light	R19	Right probe
R07	Right speaker	RM01	Roof harness connected to main harness 1
R08	Rear contact switch of right middle door	RM02	Roof harness connected to main harness 2
R09	Right USB charger	RW01	Roof harness to liftgate extension harness 1
R10	Rear right combination light	RW02	Roof harness to liftgate extension harness 2
R11	Rear left combination light	-	-

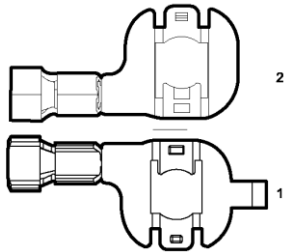
Terminal Definition of Roof Harness

GR01 Roof harness GND 1



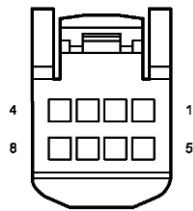
Pin	Function	Remarks
1	GND	-

GR02 Roof harness GND 2



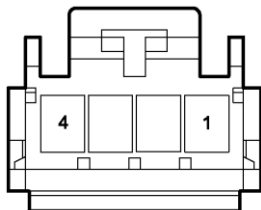
Pin	Function	Remarks
1	GND	-
2	GND	-

R01 Voice module



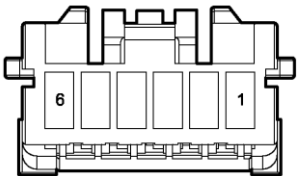
Pin	Function	Remarks
1	-	-
2	Driver microphone	-
3	-	-
4	-	-
5	-	-
6	Shield signal	-
7	Front passenger microphone	-
8	-	-

R02 Vehicle traveling data recorder



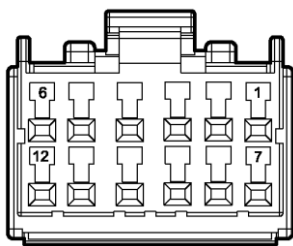
Pin	Function	Remarks
1	Economizer relay	-
2	ACC	-
3	GND	-
4	Reverse signal	-

R03 Cab roof light



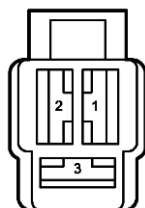
Pin	Function	Remarks
1	SOS switch signal	-
2	SOS switch signal	-
3	Rear roof light control signal	-
4	Power supply	-
5	Interior light control signal	-
6	GND	-

R04 LDWS controller



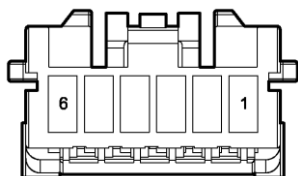
Pin	Function	Remarks
1	IG1	-
2	-	-
3	-	-
4	GND	-
5	-	-
6	PCAN_H	-
7	B+	-
8	-	-
9	-	-
10	LDW_SW	-
11	-	-
12	PCAN_L	-

R05 Top A/C blower



Pin	Function	Remarks
1	-	-
2	Power supply	-
3	GND	-

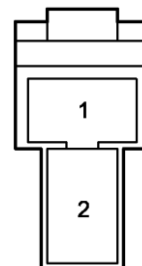
R06 Rear roof light



Pin	Function	Remarks
1	-	-
2	-	-
3	Power supply	-
4	-	-

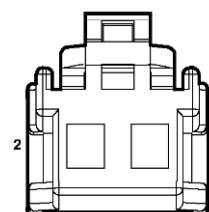
Pin	Function	Remarks
5	GND	-
6	Control signal	-

R07 Right speaker



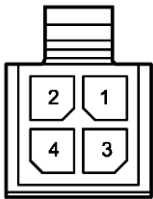
Pin	Function	Remarks
1	+	-
2	-	-

R08 Rear contact switch of right middle door



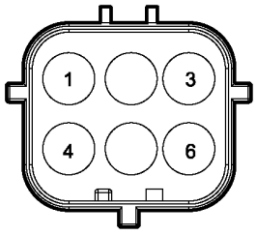
Pin	Function	Remarks
1	Door control switch signal	-
2	Door status signal	-

R09 Right USB charger



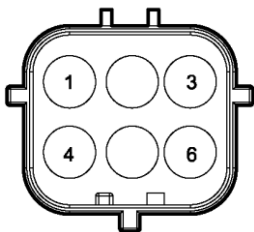
Pin	Function	Remarks
1	Power supply	-
2	GND	-
3	-	-
4	-	-

R10 Rear right combination light



Pin	Function	Remarks
1	Position light power supply	-
2	Brake light power supply	-
3	GND	-
4	Reversing light power supply	-
5	Turn signal power supply	-
6	Fog light power supply	-

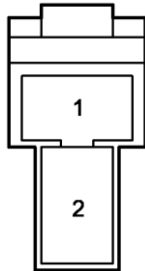
R11 Rear left combination light



Pin	Function	Remarks
1	Position light power supply	-
2	Brake light power supply	-
3	GND	-
4	Reversing light power supply	-

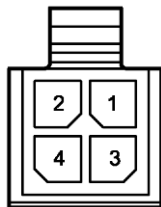
Pin	Function	Remarks
5	Turn signal power supply	-
6	Fog light power supply	-

R12 Left speaker



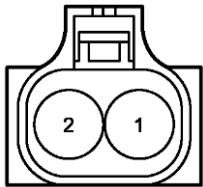
Pin	Function	Remarks
1	+	-
2	-	-

R13 Left USB charger



Pin	Function	Remarks
1	Power supply	-
2	GND	-
3	-	-
4	-	-

R14 Rear washer motor (reserved)



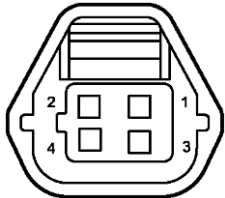
Pin	Function	Remarks
1	Power supply	-
2	GND	-

R15 Trunk light



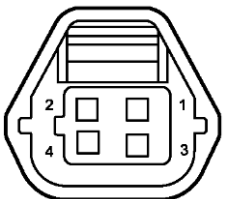
Pin	Function	Remarks
1	Power supply	-
2	GND	-

R16 Left probe



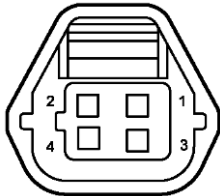
Pin	Function	Remarks
1	GND	-
2	DATA	-
3	ID	-
4	Power supply	-

R17 Middle left probe



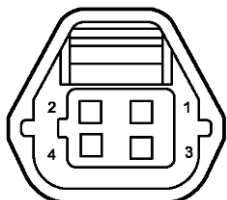
Pin	Function	Remarks
1	GND	-
2	DATA	-
3	ID	-
4	Power supply	-

R18 Middle right probe



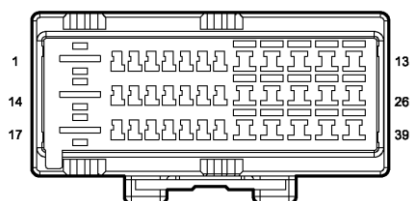
Pin	Function	Remarks
1	GND	-
2	DATA	-
3	-	-
4	Power supply	-

R19 Right probe



Pin	Function	Remarks
1	GND	-
2	DATA	-
3	ID	-
4	Power supply	-

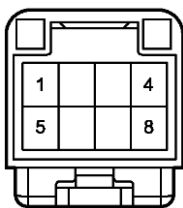
RM01 Roof harness connected to main harness 1



Pin	Function	Remarks
1	Power supply	-
2	GND	-
3	Interior light control	-
4	Power supply	-
5	Buzzer signal	-
6	Step light -	-
7	Rear contact switch signal of right middle door	-
8	Liftgate status switch signal	-
9	IG2 power supply	-
10	Backlight power supply	-
11	Negative pole	-
12	Liftgate lock actuator unlocking signal	-
13	Liftgate lock actuator locking signal	-
14	-	-
15	Left speaker +	-
16	Left speaker -	-

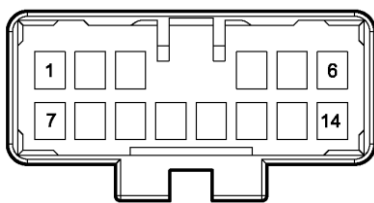
Pin	Function	Remarks
17	Right speaker +	-
18	Right speaker -	-
19	SOS switch signal	-
20	Rear fog light power supply	-
21	LDWS switch signal	-
22	Power supply	-
23	Power supply	-
24	Rear wiper relay closing power supply	-
25	Brake light power supply	-
26	Power supply	-
27	-	-
28	PCAN_H	-
29	PCAN_L	-
30	PCAN_H	-
31	PCAN_L	-
32	IG1 power supply	-
33	B+ power supply	-
34	-	-
35	Rear right turn signal power supply	-
36	Rear left turn signal power supply	-
37	Top A/C blower power supply	-
38	Power supply	-
39	-	-

RM02 Roof harness connected to main harness 2



Pin	Function	Remarks
1	Video+	-
2	Video-	-
3	Video GND	-
4	-	-
5	Front passenger's microphone signal	-
6	Driver's microphone signal	-
7	Microphone GND	-
8	-	-

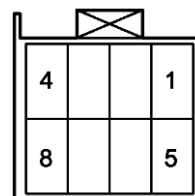
RW01 Roof harness to liftgate extension harness 1



Pin	Function	Remarks
1	Power supply	-
2	Power supply	-
3	Power supply	-
4	Liftgate lock actuator unlocking signal	-

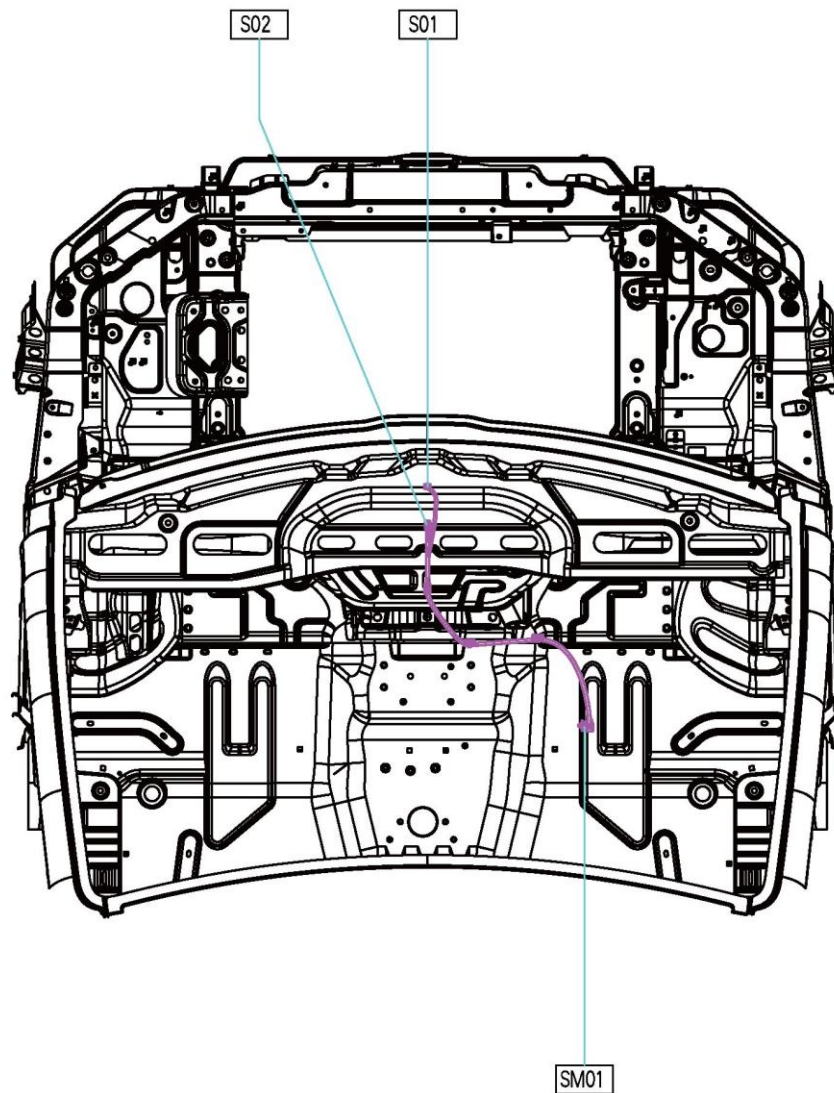
Pin	Function	Remarks
5	Liftgate lock actuator locking signal	-
6	Liftgate status switch signal	-
7	Backlight power supply	-
8	High-mount brake light power supply	-
9	GND	-
10	Power supply	-
11	Power supply	-
12	GND	-
13	-	-
14	-	-

RW02 Roof harness to liftgate extension harness 2



Pin	Function	Remarks
1	Video+	-
2	Video-	-
3	Video GND	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-

Layout of Sunlight Sensor Harness Assembly

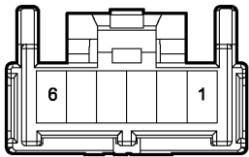


List of sunlight sensor harness connector

Harness connectors	Name	Harness connectors	Name
S01	Sunlight sensor	SM01	Sunlight sensor harness connected to main harness
S02	Charging indicator	-	-

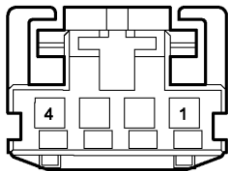
Terminal Definition of Sunlight Sensor Harness

S01 Sunlight sensor



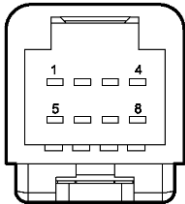
Pin	Function	Remarks
1	GND	-
2	Signal	-
3	-	-
4	-	-
5	-	-
6	Power supply	-

S02 Charging indicator



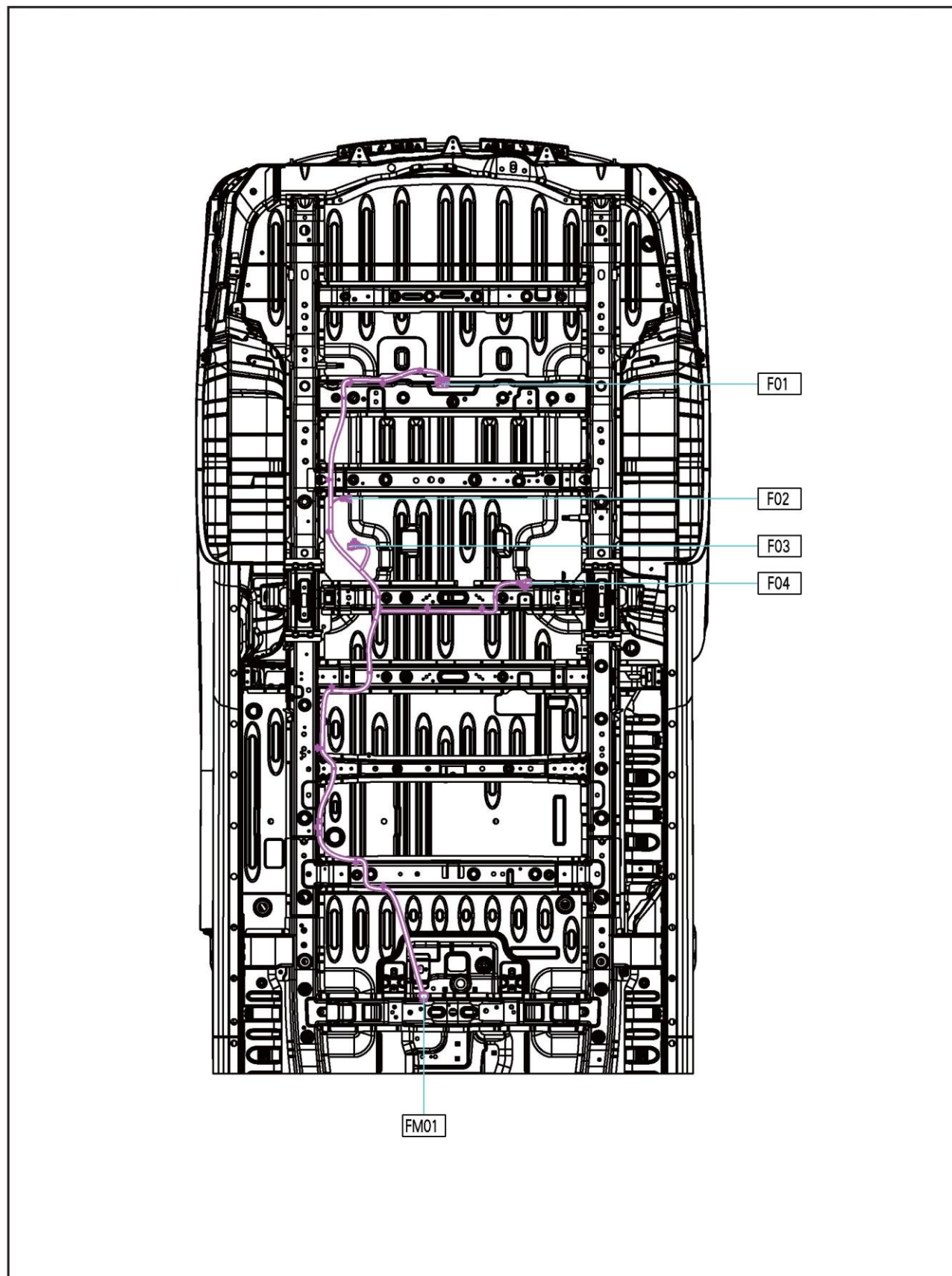
Pin	Function	Remarks
1	Power supply	-
2	Charging indicator (yellow)	-
3	Charging indicator (green)	-
4	-	-

SM01 Sunlight sensor harness connected to main harness



Pin	Function	Remarks
1	GND	-
2	Sunlight sensor signal	-
3	Charging indicator (yellow)	-
4	Charging indicator (green)	-
5	Power supply	-
6	Power supply	-
7	-	-
8	-	-

Layout of Frame Harness Assembly

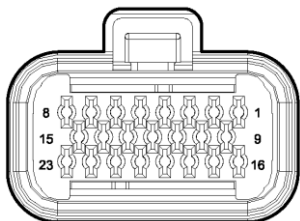


List of Frame Harness Connectors

Harness connectors	Name	Harness connectors	Name
F01	PCU	F04	Right EPB interface
F02	Coolant temperature sensor	FM01	Frame harness to main harness
F03	Left EPB interface	-	-

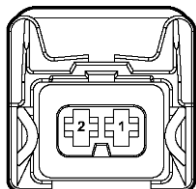
Terminal Definition of Frame Harness

F01 PCU



Pin	Function	Remarks
1	-	-
2	EVCAN_L	-
3	-	-
4	Wake-up power	-
5	-	-
6	GND	-
7	-	-
8	B+	-
9	EVCAN_H	-
10	-	-
11	-	-
12	-	-
13	GND	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	-	-
23	B+	-

F02 Coolant temperature sensor



Pin	Function	Remarks
1	Signal GND	-
2	Sensor signal	-

F03 Left EPB interface



Pin	Function	Remarks
1	Positive pole	-
2	Negative pole	-
3	Motor -	-
4	Motor +	-

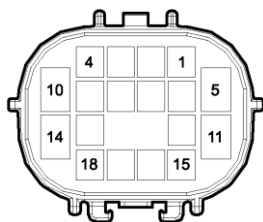
F04 Right EPB interface



Pin	Function	Remarks
1	Positive pole	-
2	Negative pole	-

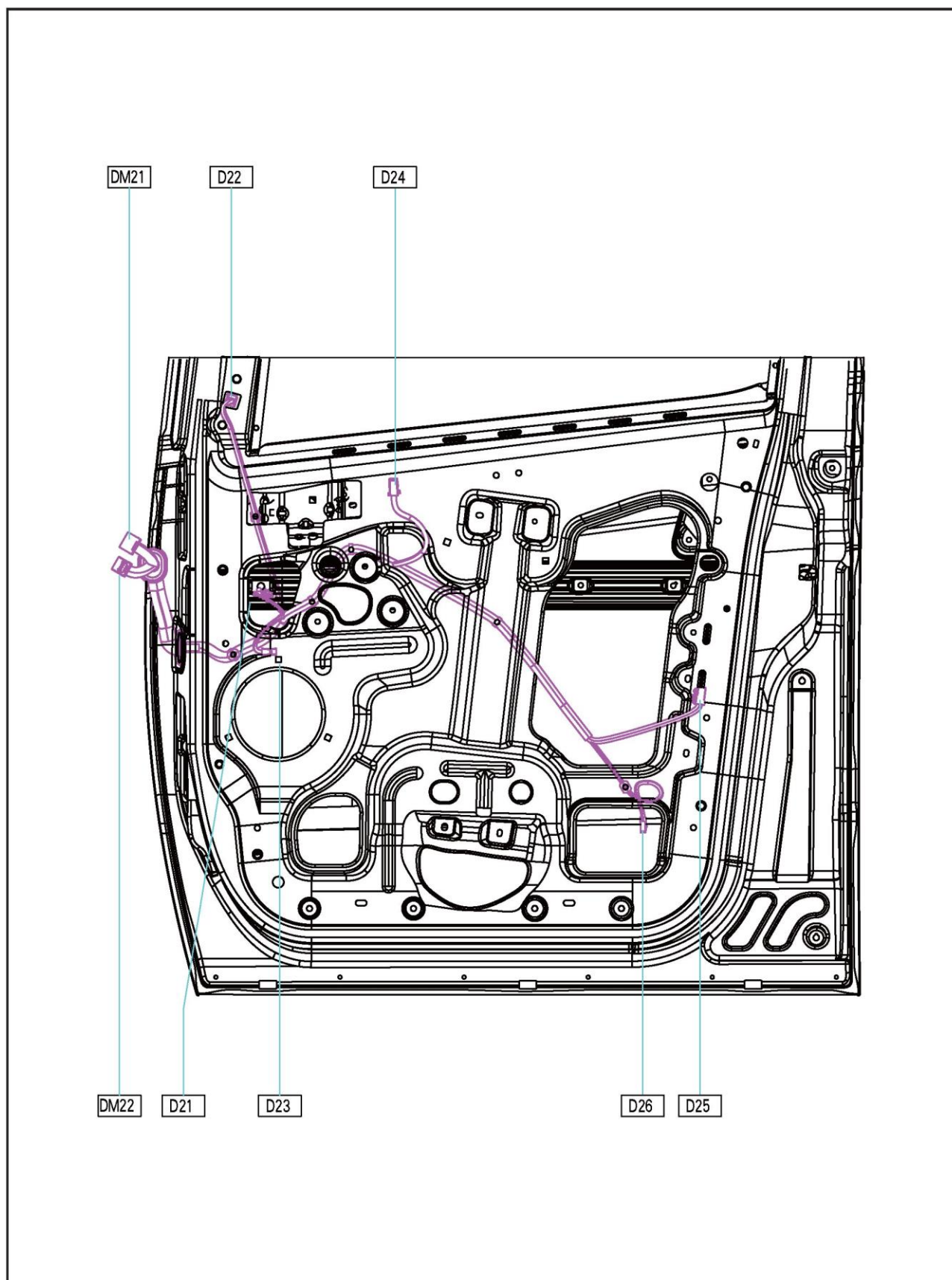
Pin	Function	Remarks
3	Motor -	-
4	Motor +	-

FM01 Frame harness to main harness

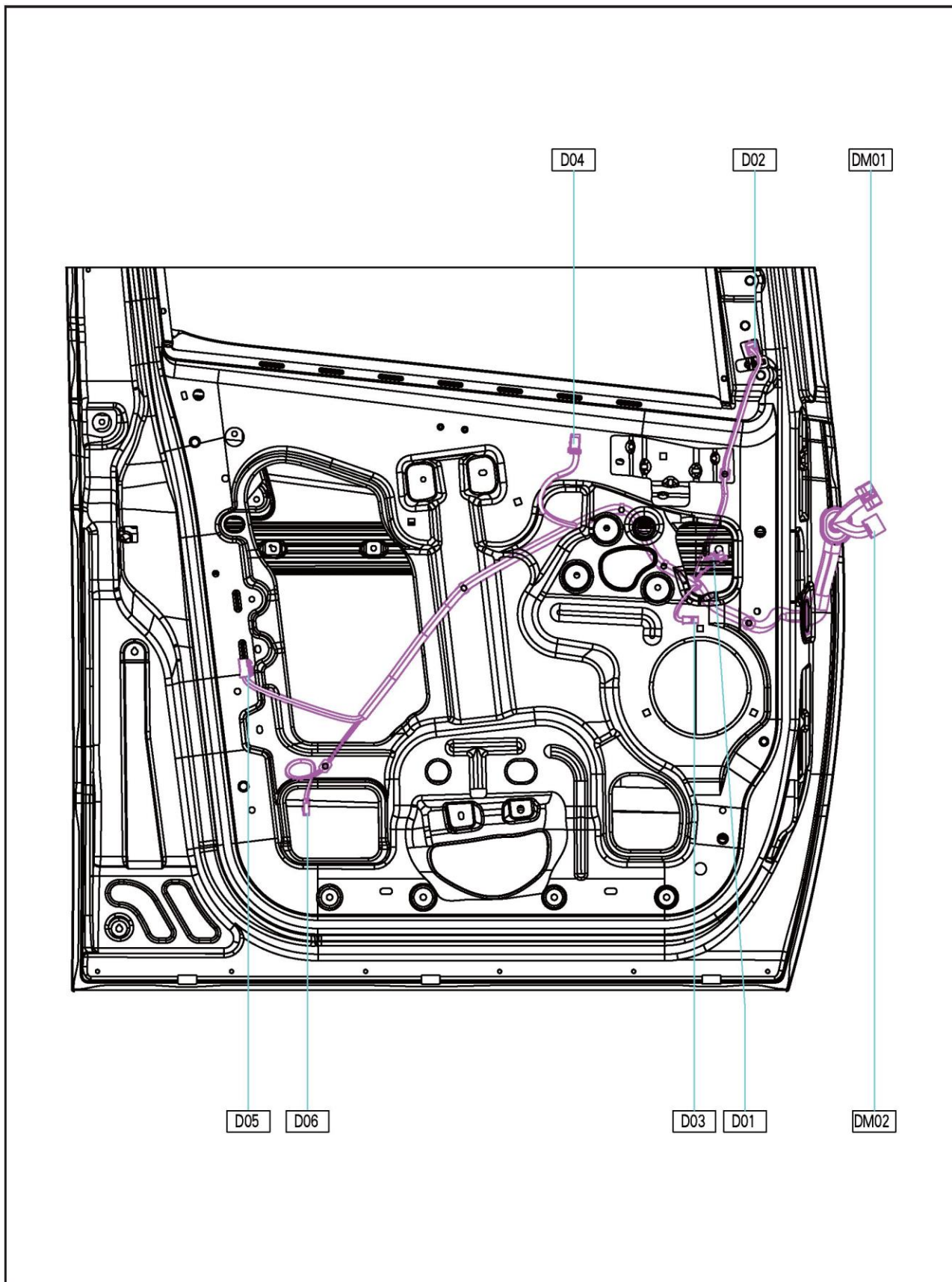


Pin	Function	Remarks
1	Front left wheel speed sensor +	-
2	Front left wheel speed sensor -	-
3	Front right wheel speed sensor +	-
4	Front right wheel speed sensor -	-
5	Left EPB motor +	-
6	Power supply	-
7	Power supply	-
8	Power supply	-
9	GND	-
10	Right EPB motor +	-
11	Left EPB motor -	-
12	Coolant temperature sensor signal	-
13	Coolant temperature sensor signal GND	-
14	Right EPB motor -	-
15	EVCAN_H	-
16	EVCAN_L	-
17	-	-
18	-	-

Layout of Front Right Door Harness Assembly



Layout of Front Left Door Harness Assembly

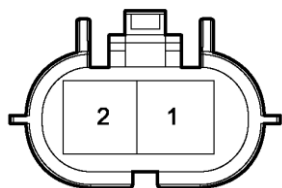


List of Door Harness Connectors

Harness connectors	Name	Harness connectors	Name
D01	Left window motor	D23	Front right door speaker
D02	Left exterior rearview mirror actuator	D24	Front passenger side window regulator switch
D03	Front left door speaker	D25	Front right door lock actuator
D04	Driver side window regulator switch	D26	Front right door light
D05	Front left door lock actuator	DM01	Front left door harness to main harness 1
D06	Front left door light	DM02	Front left door harness to main harness 2
D21	Right window glass motor	DM21	Front right door harness to main harness 1
D22	Right exterior rearview mirror actuator	DM22	Front right door harness to main harness 2

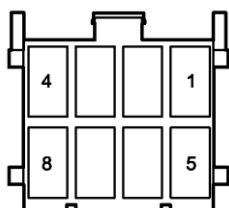
Terminal Definition of Door Harness D01

Left window glass motor



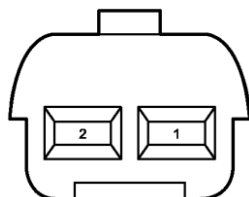
Pin	Function	Remarks
1	Glass up signal	-
2	Glass down signal	-

D02 Left exterior rearview mirror actuator



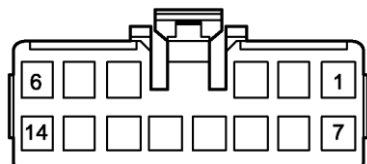
Pin	Function	Remarks
1	Turn signal power supply	-
2	GND	-
3	Heating power supply	-
4	-	-
5	Up/down adjustment	-
6	Common terminal	-
7	Level adjustment	-
8	-	-

D03 Front left door speaker



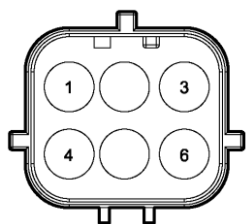
Pin	Function	Remarks
1	-	-
2	+	-

D04 Driver side window regulator switch



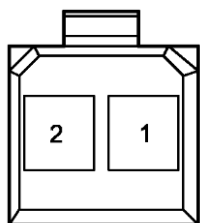
Pin	Function	Remarks
1	Front left regulating output	-
2	-	-
3	-	-
4	-	-
5	Front right regulating output	-
6	-	-
7	Unlocking signal	-
8	ILL-	-
9	-	-
10	-	-
11	GND	-
12	-	-
13	ILL+	-
14	Locking signal	-

D05 Front left door lock actuator



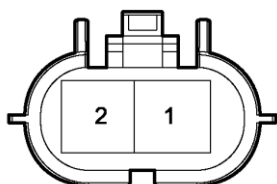
Pin	Function	Remarks
1	UL	-
2	-	-
3	SW	-
4	-	-
5	GND	-
6	L	-

D06 Front left door light



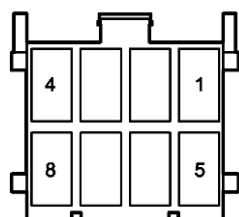
Pin	Function	Remarks
1	Power supply	-
2	GND	-

D21 Right window glass motor



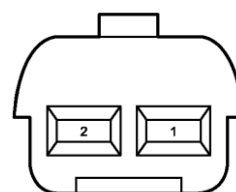
Pin	Function	Remarks
1	Glass up signal	-
2	Glass down signal	-

D22 Right exterior rearview mirror actuator



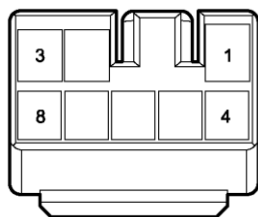
Pin	Function	Remarks
1	Turn signal power supply	-
2	GND	-
3	Heating power supply	-
4	-	-
5	Up/down adjustment	-
6	Common terminal	-
7	Level adjustment	-
8	-	-

D23 Front right door speaker



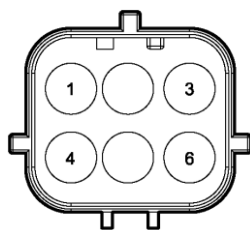
Pin	Function	Remarks
1	-	-
2	+	-

D24 Front passenger side window regulator switch



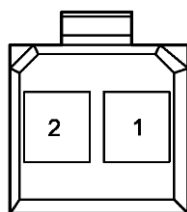
Pin	Function	Remarks
1	Front right regulating output	-
2	-	-
3	-	-
4	-	-
5	ILL-	-
6	GND	-
7	ILL+	-
8	-	-

D25 Front right door lock actuator



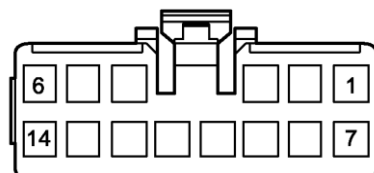
Pin	Function	Remarks
1	-	-
2	-	-
3	L	-
4	UL	-
5	-	-
6	-	-

D26 Front right door light



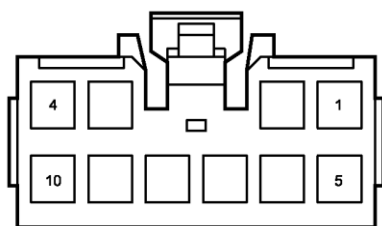
Pin	Function	Remarks
1	Power supply	-
2	GND	-

DM01 Front left door harness to main harness 1



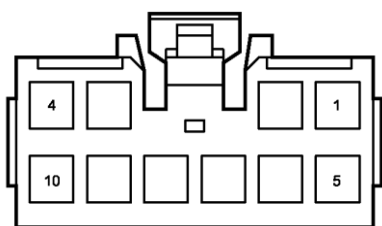
Pin	Function	Remarks
1	Left turn signal power supply	-
2	Locking switch signal	-
3	Unlocking switch signal	-
4	Left window glass up signal	-
5	Left window glass down signal	-
6	Backlight ground	-
7	Backlight power supply	-
8	-	-
9	GND	-
10	GND	-
11	Left exterior rearview mirror actuator power supply	-
12	Left exterior rearview mirror actuator horizontal adjustment signal	-
13	Left exterior rearview mirror actuator adjustment common terminal	-
14	Left exterior rearview mirror actuator up/down adjustment signal	-

DM02 Front left door harness to main harness 2



Pin	Function	Remarks
1	Front right regulating input	-
2	Power supply of front left door light	-
3	Front left door light GND	-
4	Front left door speaker GND	-
5	Front left door speaker power supply	-
6	Front left door lock actuator unlocking signal	-
7	Front left door lock status signal	-
8	Front left door lock actuator locking signal	-
9	GND	-
10	Front left regulating input	-

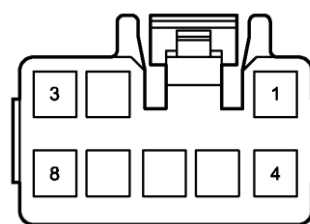
DM21 Front right door harness to main harness 1



Pin	Function	Remarks
1	Front right lowering	-
2	Front right lifting	-
3	Backlight ground	-
4	Backlight power supply	-

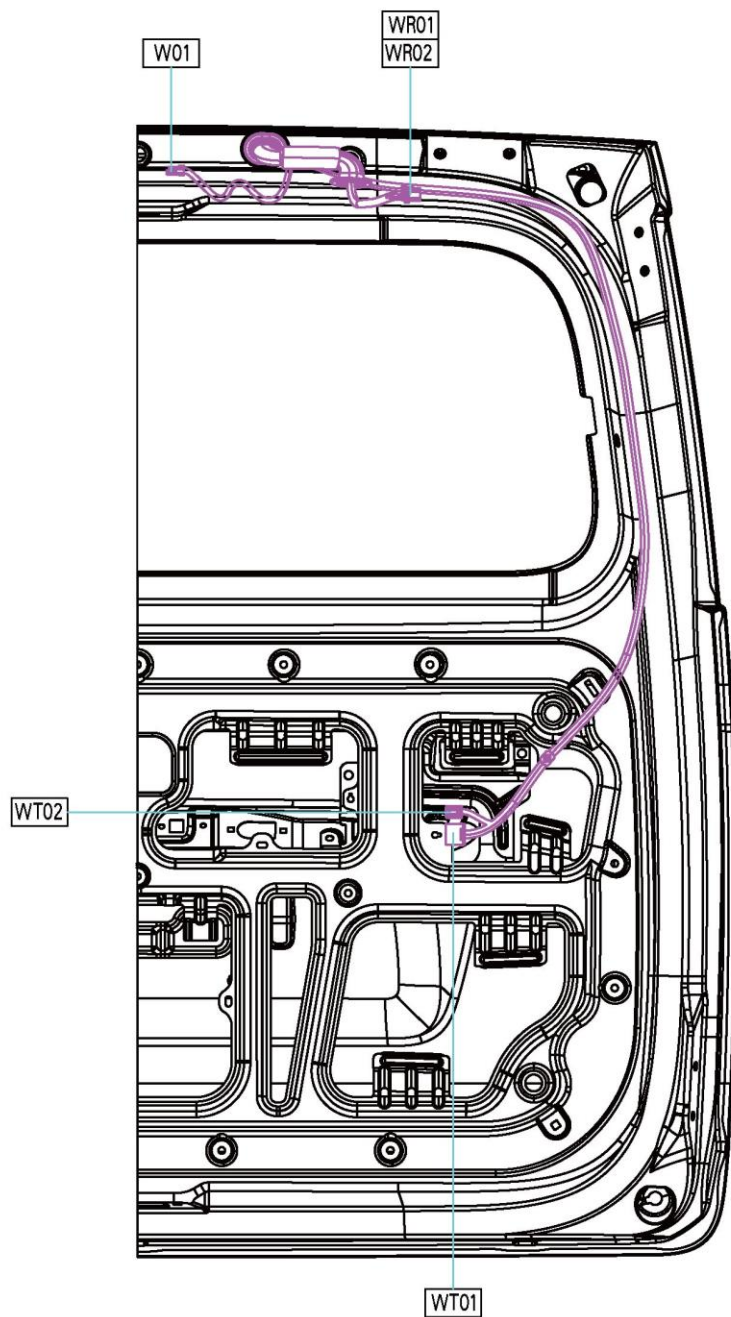
Pin	Function	Remarks
5	-	-
6	GND	-
7	Right exterior rearview mirror actuator power supply	-
8	Right exterior rearview mirror actuator horizontal adjustment	-
9	Right exterior rearview mirror actuator adjustment common terminal	-
10	Right exterior rearview mirror actuator up/down adjustment signal	-

DM22 Front right door harness to main harness 2

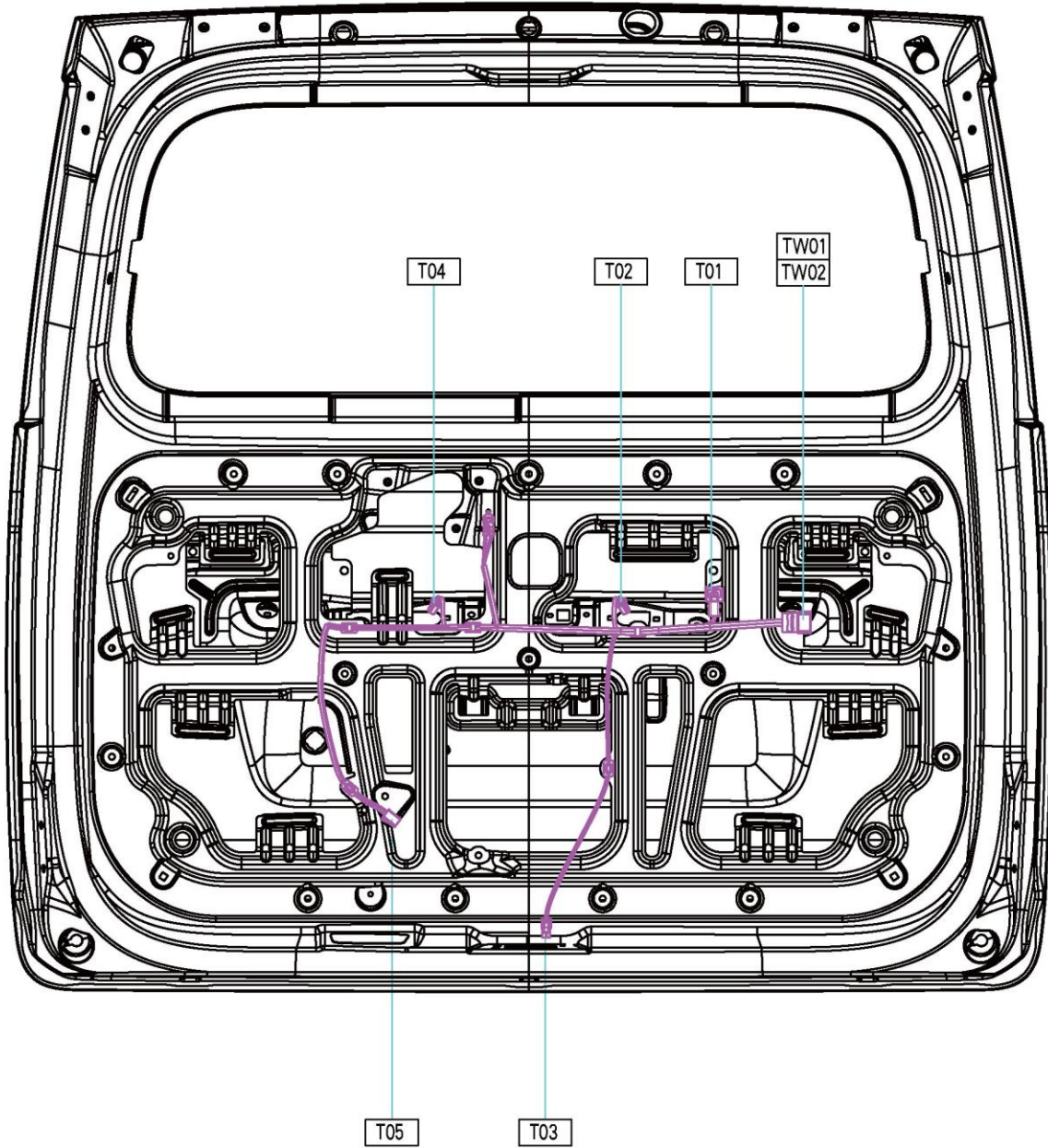


Pin	Function	Remarks
1	Front right door light power supply	-
2	Front right door light GND	-
3	Front right speaker -	-
4	Front right door speaker +	-
5	Front right door lock actuator unlocking signal	-
6	Front right up/down signal	-
7	Front right door lock actuator locking signal	-
8	Right turn signal power supply	-

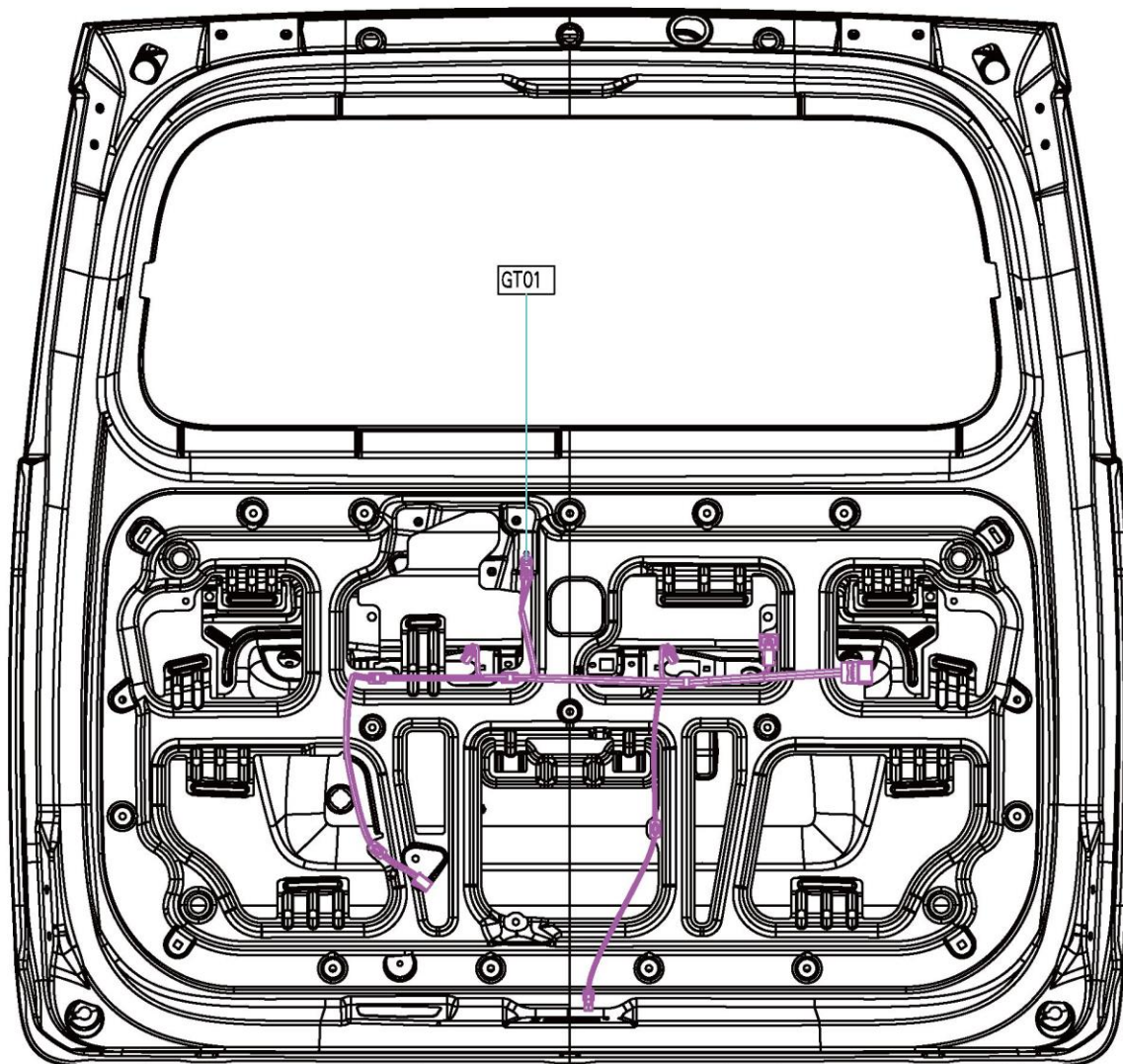
Layout of Liftgate Extension Harness Assembly



Layout of Liftgate Harness Assembly



Layout of GND Points of Liftgate Harness Assembly

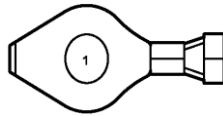


List of Liftgate Harness Connectors

Harness connectors	Name	Harness connectors	Name
GT01	Liftgate harness GND	TW02	Liftgate harness to liftgate extension harness 2
T01	MP5 camera	W01	High-mounted brake light
T02	Left license plate light	WR01	Liftgate extension harness to roof harness 1
T03	Liftgate contact switch	WR02	Liftgate extension harness to roof harness 2
T04	Right license plate light	WT01	Liftgate extension harness to liftgate harness 1
T05	Liftgate lock actuator	WT02	Liftgate extension harness to liftgate harness 2
TW01	Liftgate harness to liftgate extension harness 1	-	-

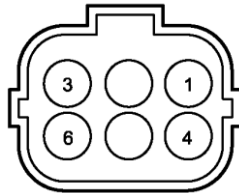
Terminal Definition of Liftgate Harness

GT01 Liftgate harness GND



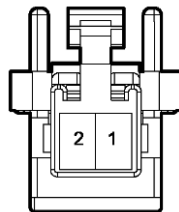
Pin	Function	Remarks
1	GND	-

T01 MP5 camera



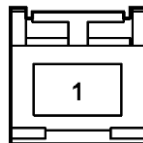
Pin	Function	Remarks
1	Video GND	-
2	R gear signal	-
3	-	-
4	Video-	-
5	Video+	-
6	-	-

T02 Left license plate light



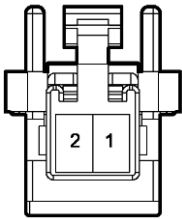
Pin	Function	Remarks
1	Power supply	-
2	GND	-

T03 Liftgate contact switch



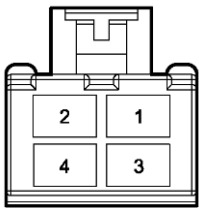
Pin	Function	Remarks
1	Door contact switch signal	-

T04 Right license plate light



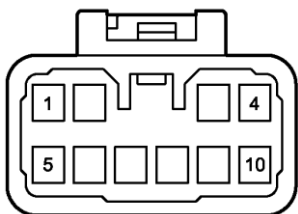
Pin	Function	Remarks
1	Power supply	-
2	GND	-

T05 Liftgate lock actuator



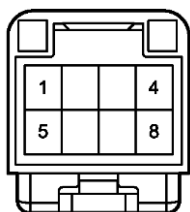
Pin	Function	Remarks
1	UL	-
2	-	-
3	L	-
4	-	-

TW01 Liftgate harness to liftgate extension harness 1



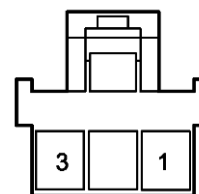
Pin	Function	Remarks
1	Power supply	-
2	-	-
3	-	-
4	-	-
5	Liftgate lock actuator unlocking signal	-
6	Liftgate lock actuator locking signal	-
7	Liftgate status switch	-
8	License plate light power supply	-
9	-	-
10	GND	-

TW02 Liftgate harness to liftgate extension harness 2



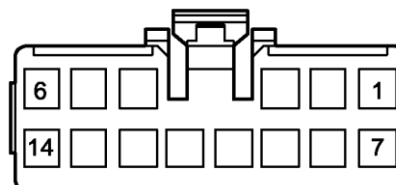
Pin	Function	Remarks
1	Video+	-
2	Video-	-
3	Video GND	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-

W01 High-mounted brake light



Pin	Function	Remarks
1	GND	-
2	-	-
3	Power supply	-

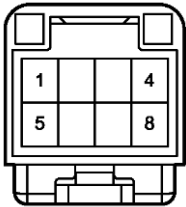
WR01 Liftgate extension harness to roof harness 1



Pin	Function	Remarks
1	Power supply	-
2	Power supply	-
3	Power supply	-
4	Liftgate lock actuator unlocking signal	-
5	Liftgate lock actuator locking signal	-
6	Liftgate status switch signal	-
7	Backlight power supply	-
8	High-mount brake light power supply	-
9	GND	-

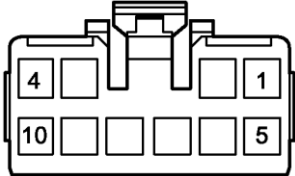
Pin	Function	Remarks
10	Power supply	-
11	Power supply	-
12	GND	-
13	-	-
14	-	-

WR02 Liftgate extension harness to roof harness 2



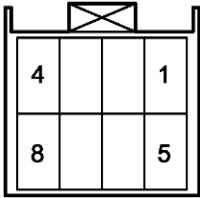
Pin	Function	Remarks
1	Video+	-
2	Video-	-
3	Video GND	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-

WT01 Liftgate extension harness to liftgate harness 1



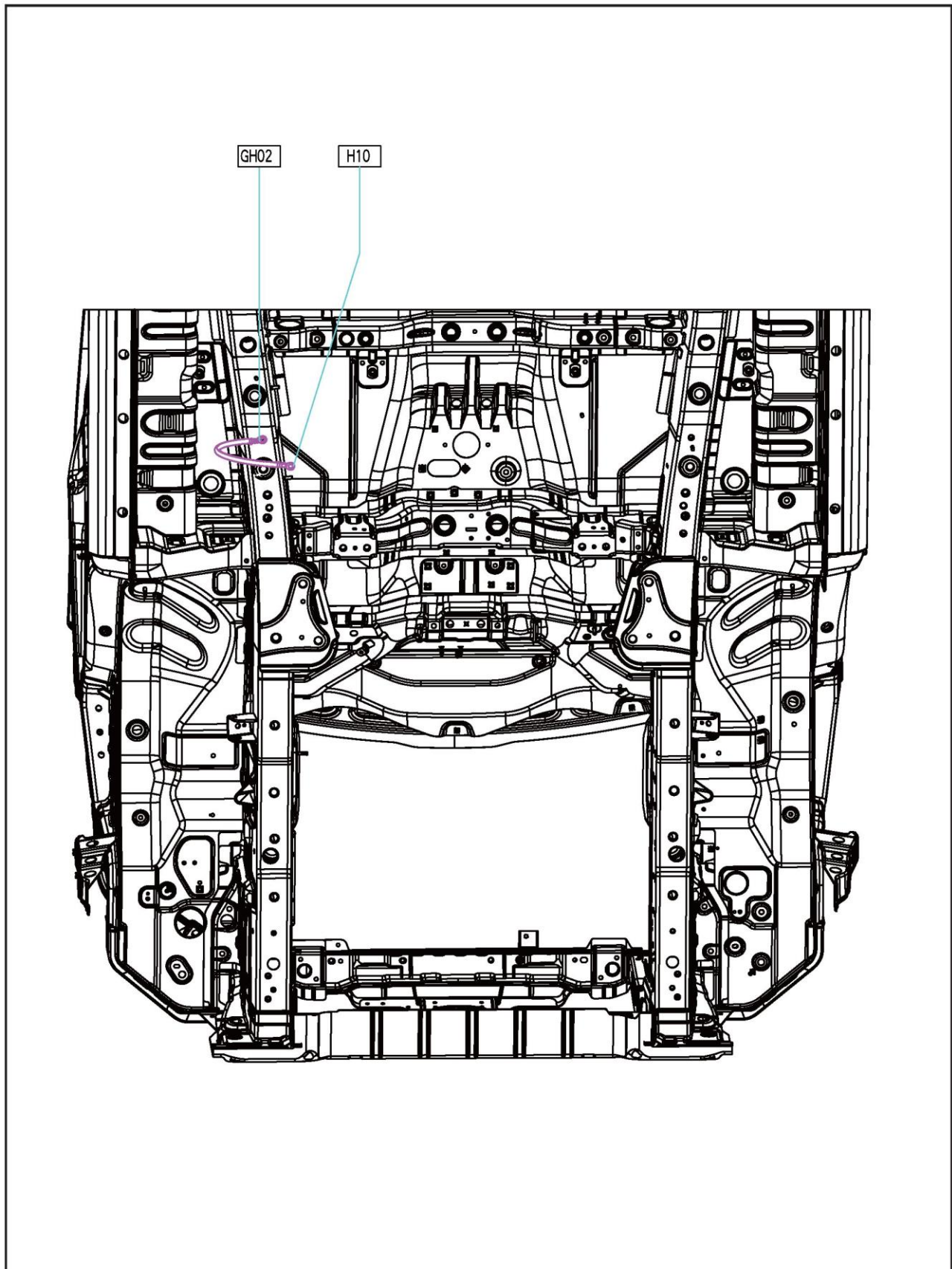
Pin	Function	Remarks
1	Power supply	-
2	-	-
3	-	-
4	-	-
5	Liftgate lock actuator unlocking signal	-
6	Liftgate lock actuator locking signal	-
7	Liftgate status switch	-
8	License plate light power supply	-
9	-	-
10	GND	-

WT02 Liftgate extension harness to liftgate harness 2



Pin	Function	Remarks
1	Video+	-
2	Video-	-
3	Video GND	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-

Layout of BMS GND Harness Assembly

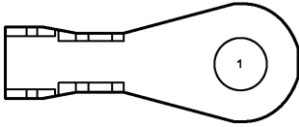


List of BMS GND Harness Connectors

Harness connectors	Name	Harness connectors	Name
GH02	Body GND	H10	BMS GND

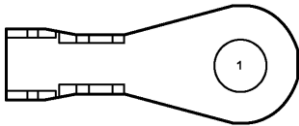
Terminal Definition of BMS GND Harness

GH02 Body GND



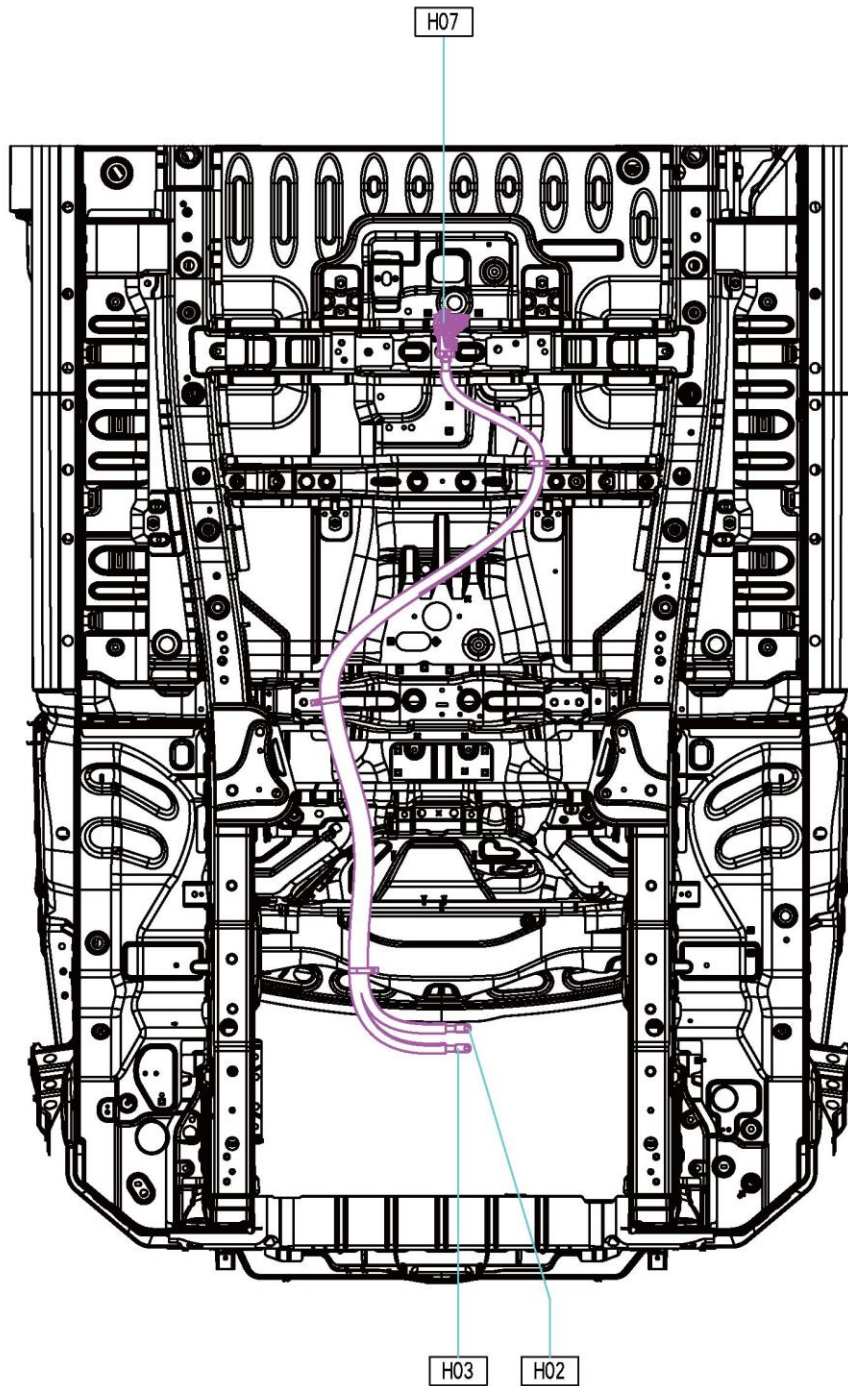
Pin	Function	Remarks
1	GND	-

H10 BMS GND



Pin	Function	Remarks
1	GND	-

Layout of High-voltage Main Cable Assembly

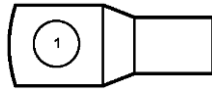


List of High-voltage Main Cable Harness Connectors

Harness connectors	Name	Harness connectors	Name
H02	High-voltage distribution box	H07	Power battery
H03	High-voltage distribution box	-	-

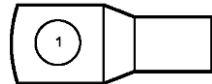
Terminal Definition of High-voltage Main Cable Harness

H02 High-voltage distribution box



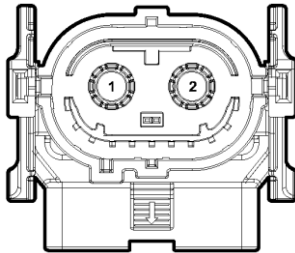
Pin	Function	Remarks
1	Positive pole	-

H03 High-voltage distribution box



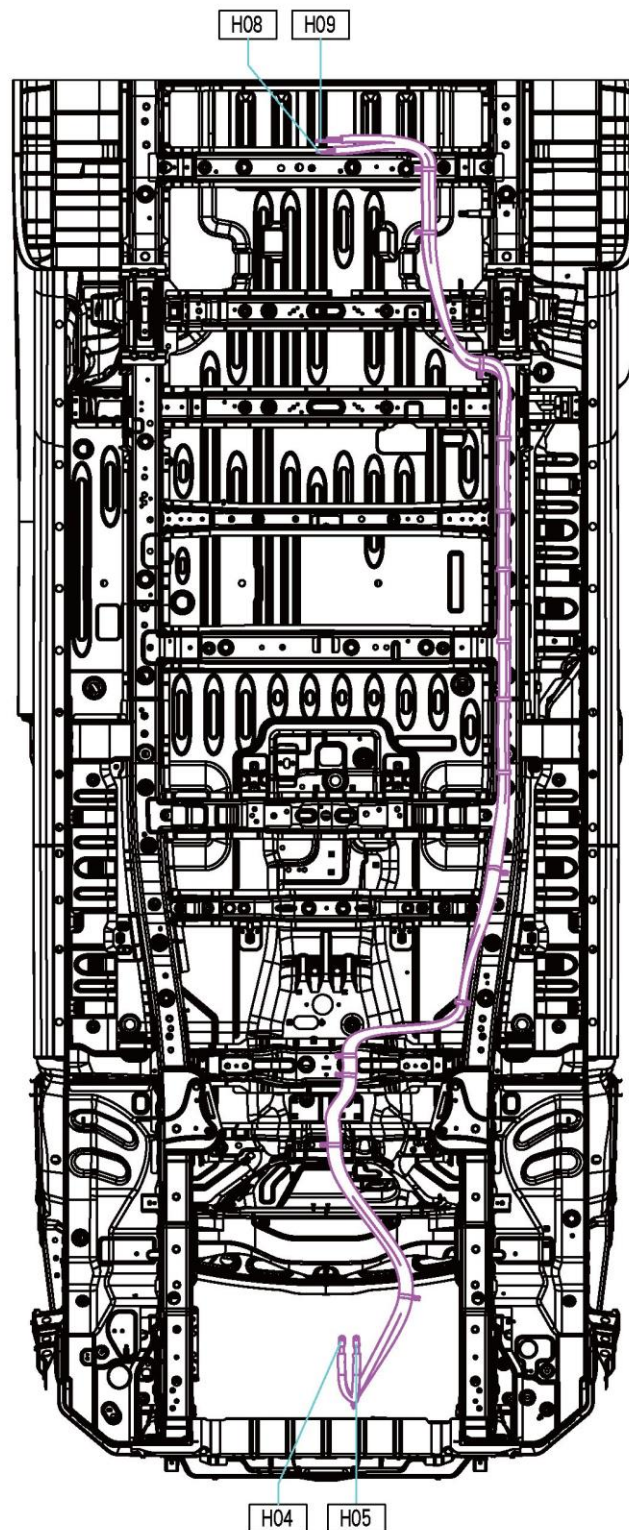
Pin	Function	Remarks
1	Negative pole	-

H07 Power battery



Pin	Function	Remarks
1	DC-	-
2	DC+	-

Layout of PCU Power Distribution Cable Assembly

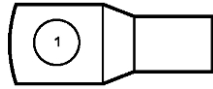


List of PCU Power Distribution Cable Harness Connectors

Harness connectors	Name	Harness connectors	Name
H04	High-voltage distribution box	H08	PCU
H05	High-voltage distribution box	H09	PCU

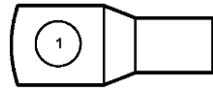
**Terminal Definition of PCU Power
Distribution Cable Harness**

H04 High-voltage distribution box



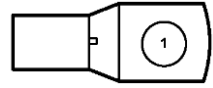
Pin	Function	Remarks
1	Negative pole	-

H05 High-voltage distribution box



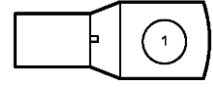
Pin	Function	Remarks
1	Positive pole	-

H08 PCU



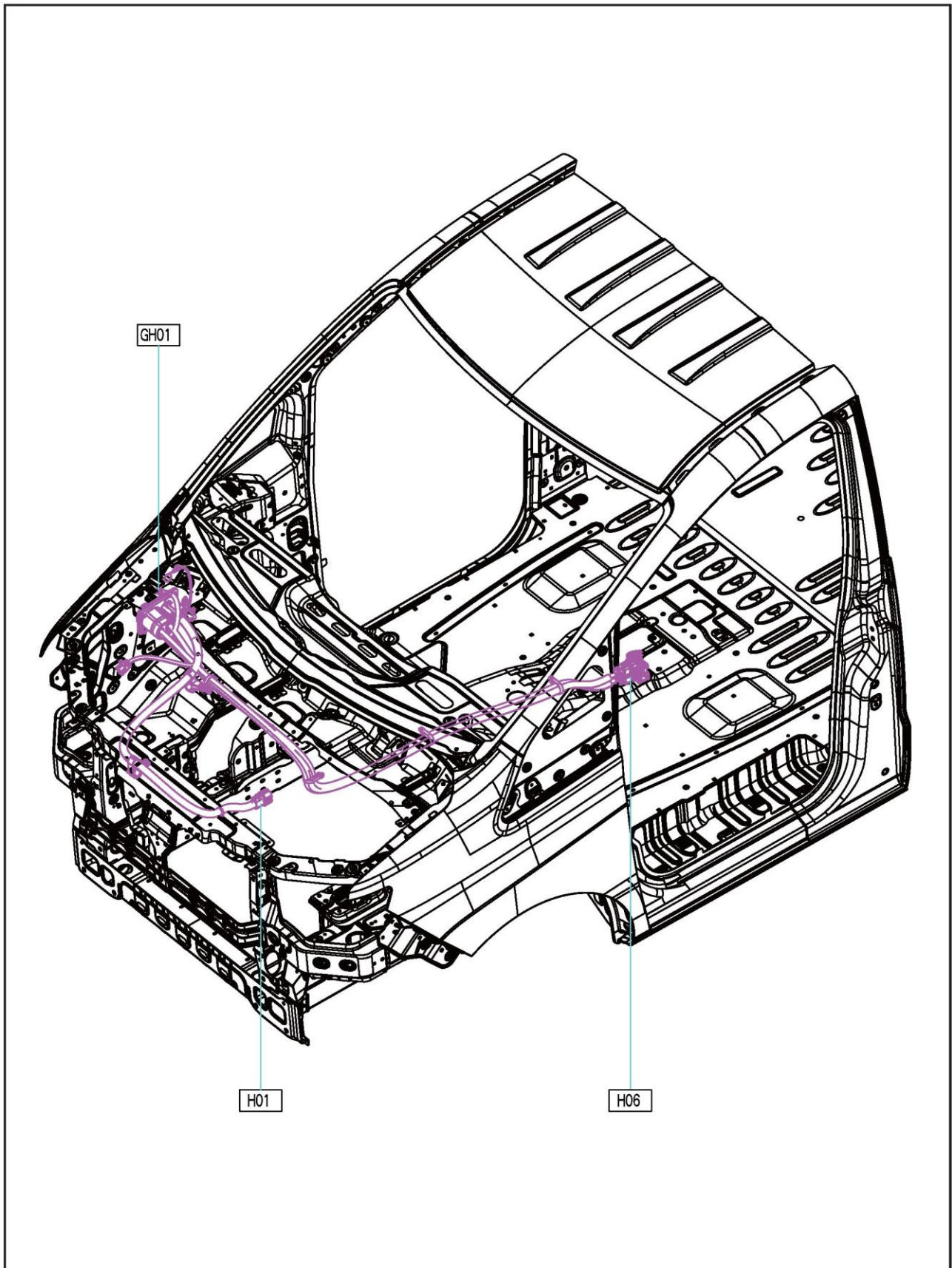
Pin	Function	Remarks
1	Negative pole	-

H09 PCU

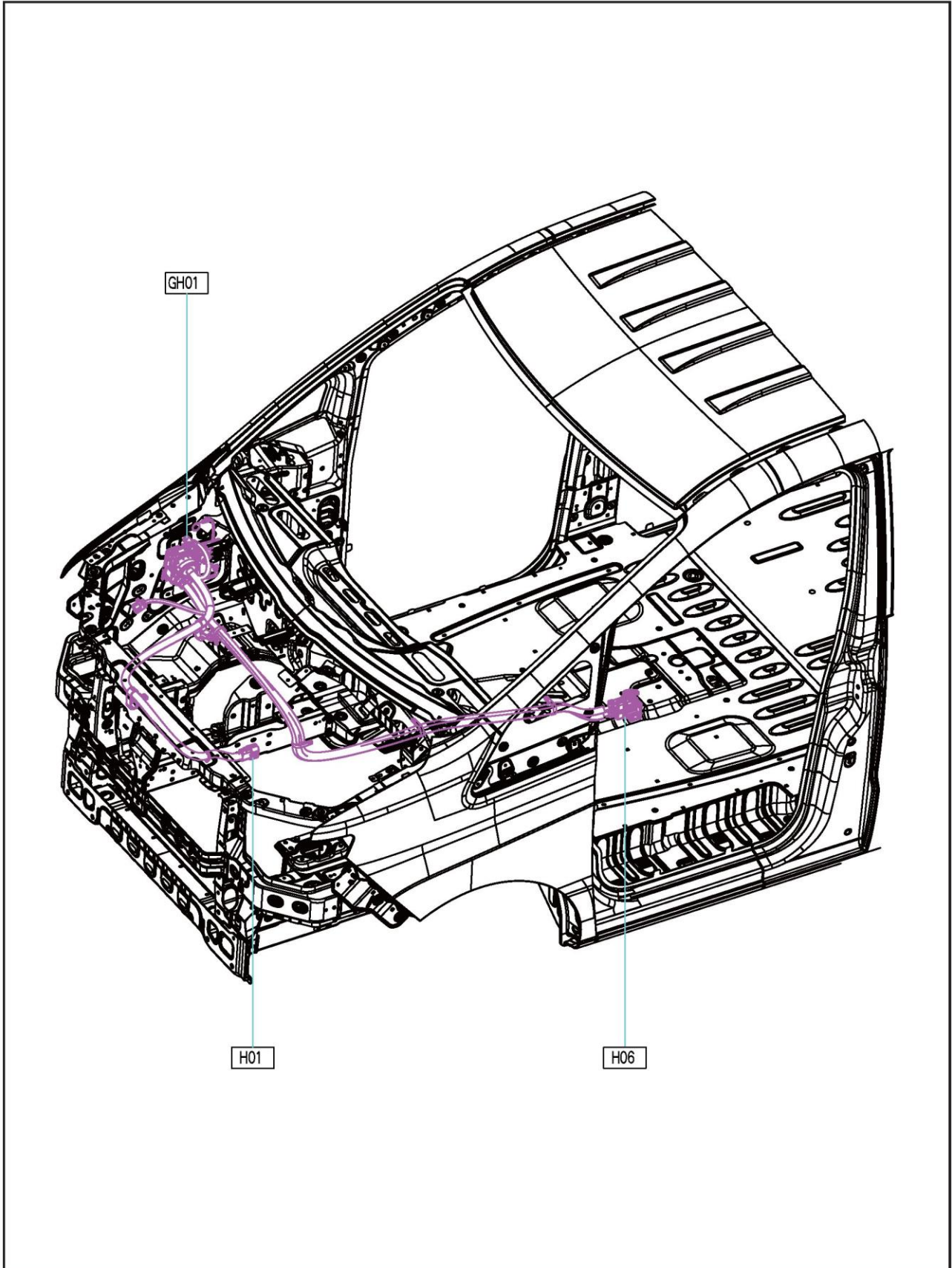


Pin	Function	Remarks
1	+	-

Layout of Integrated AC/DC Charging Socket Assembly (X6530)



Layout of Integrated AC/DC Charging Socket Assembly (X6536)

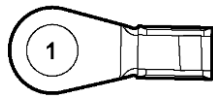


List of Integrated AC/DC Charging Socket Harness Connectors

Harness connectors	Name	Harness connectors	Name
GH01(X6530)	GND terminal	H01	High-voltage distribution box
GH01(X6536)	GND terminal	H06	Power battery

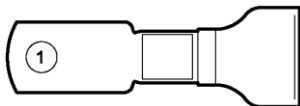
Terminal Definition of Integrated AC/
DC Charging Socket Harness

GH01 (X6530) GND terminal



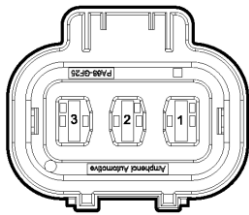
Pin	Function	Remarks
1	GND	-

GH01 (X6536) GND terminal



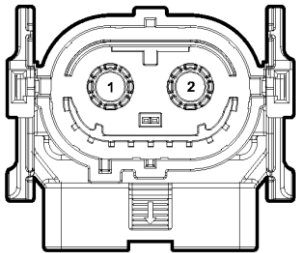
Pin	Function	Remarks
1	GND	-

H01 High-voltage distribution box



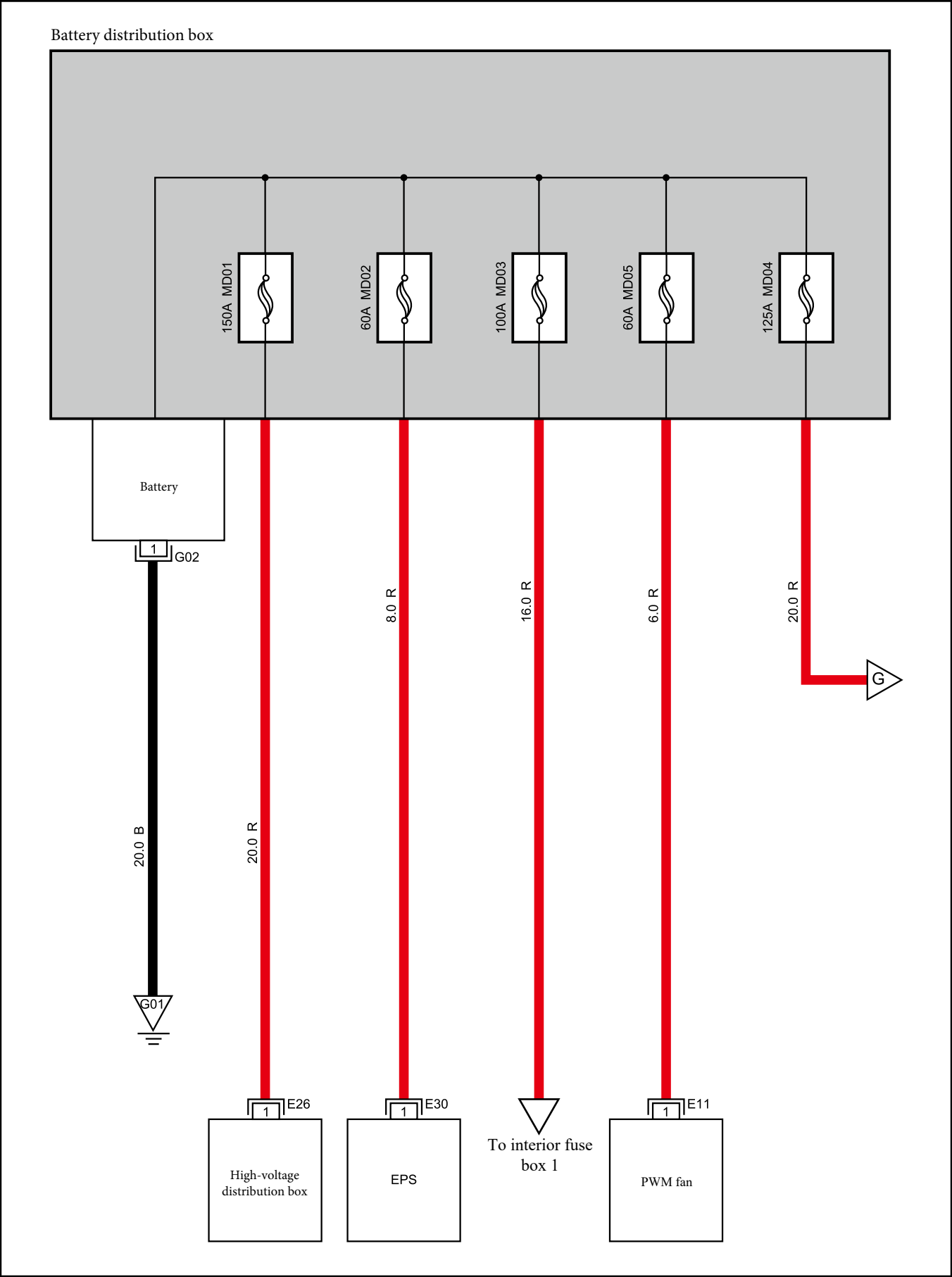
Pin	Function	Remarks
1	AC charging phase line L	-
2	AC charging phase line N	-
3	Protective ground wire	-

H06 Power battery

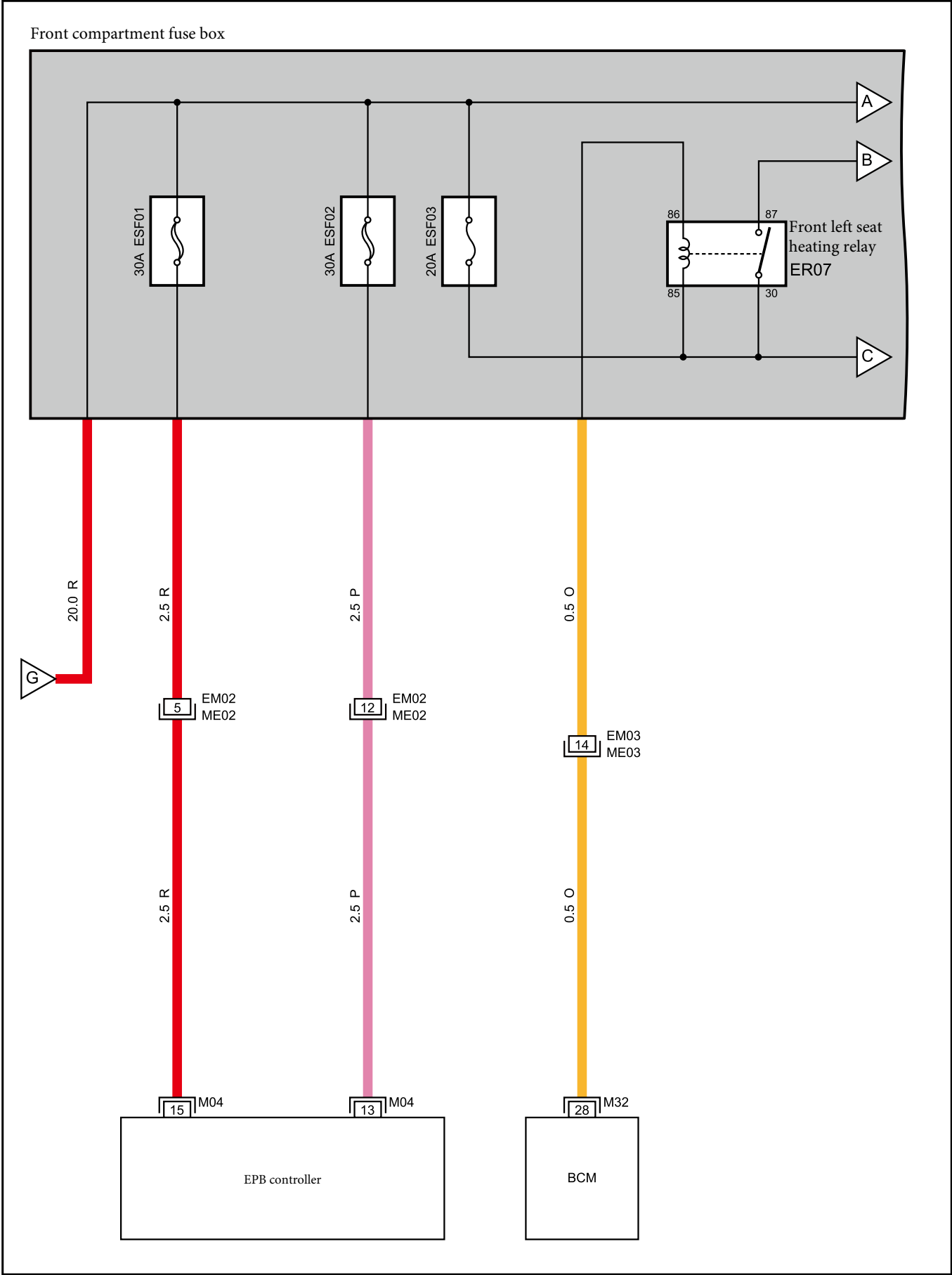


Pin	Function	Remarks
1	Positive pole	-
2	Negative pole	-

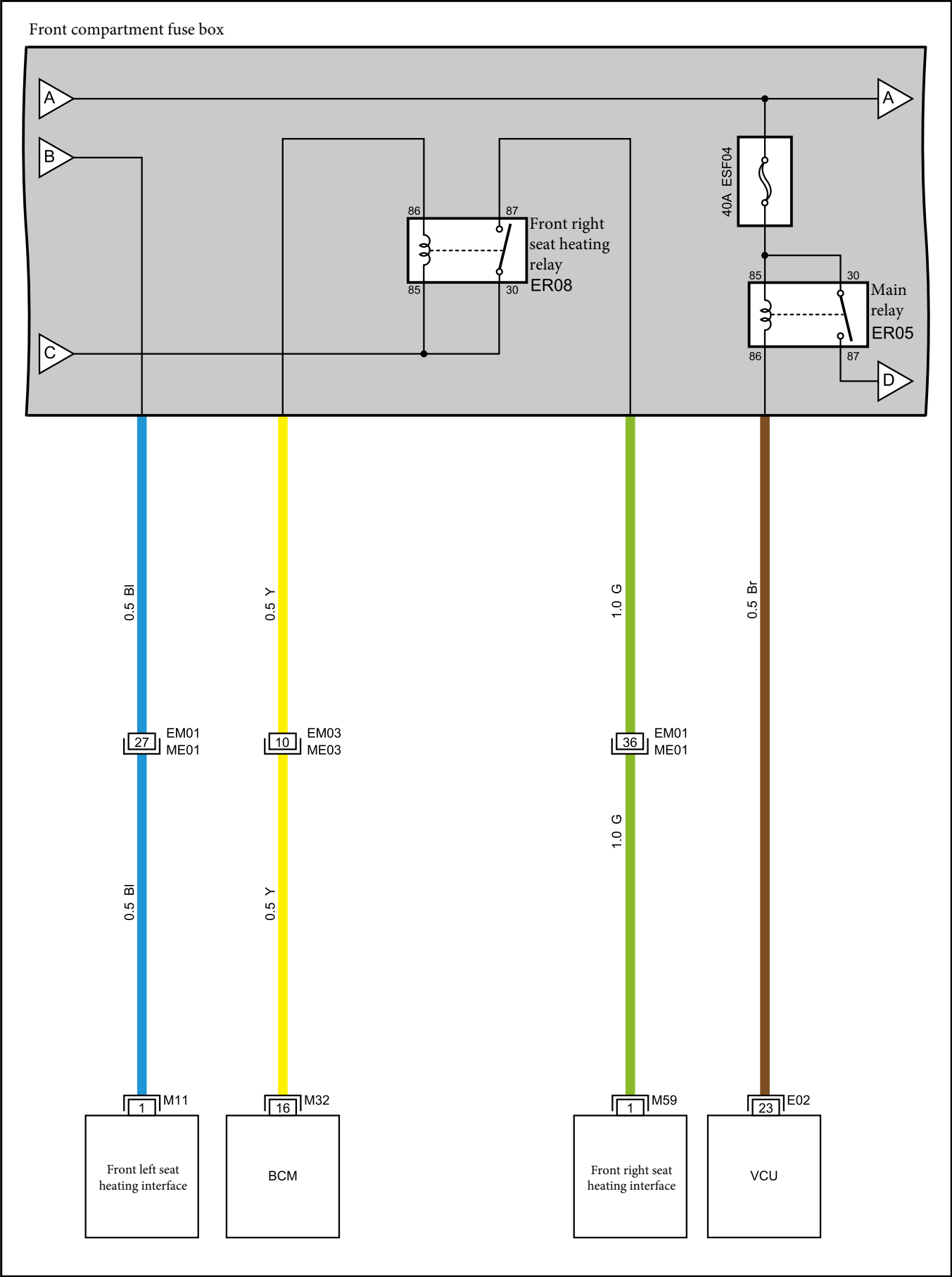
Front compartment fuse box 1

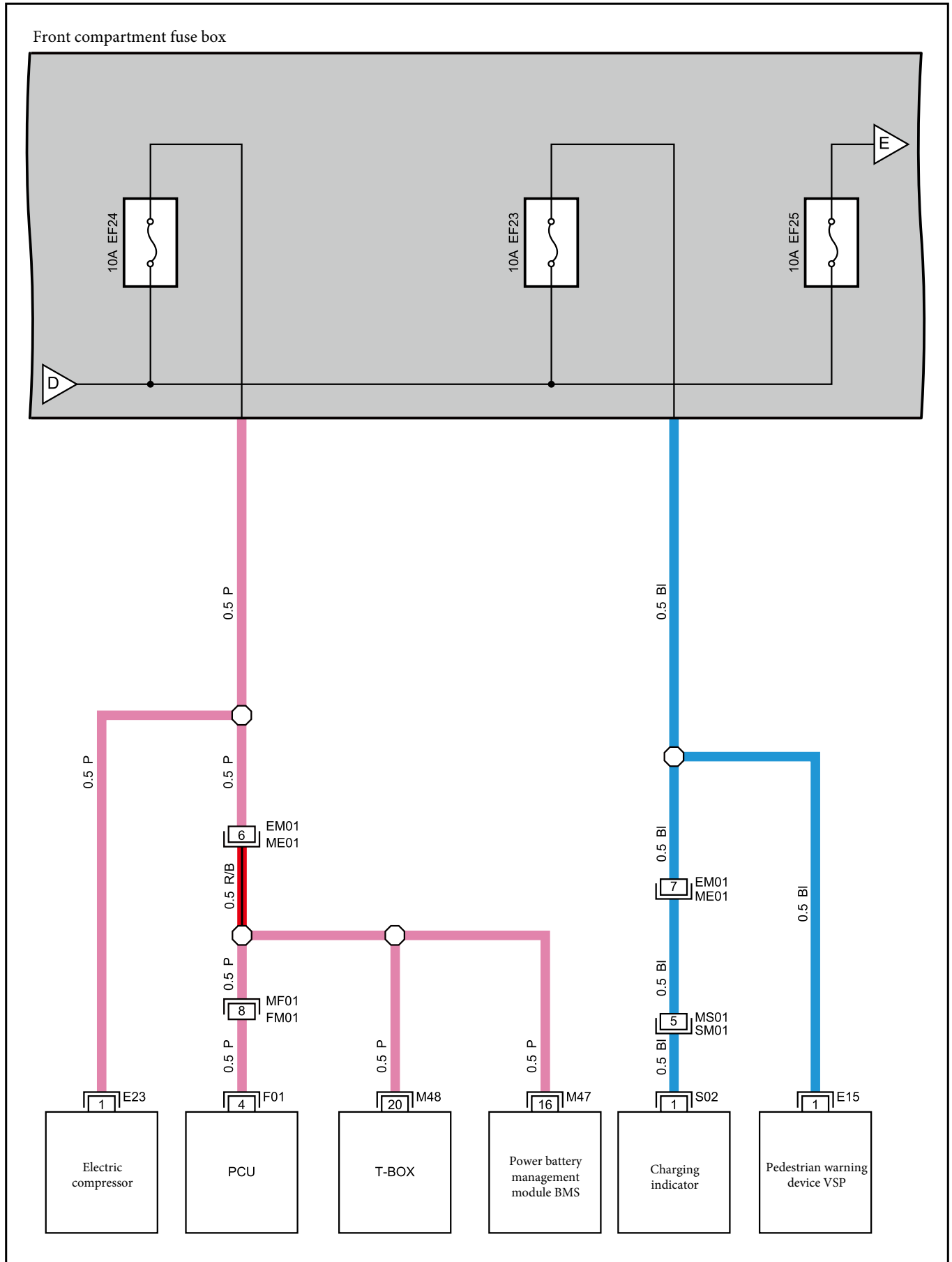


Front compartment fuse box 2



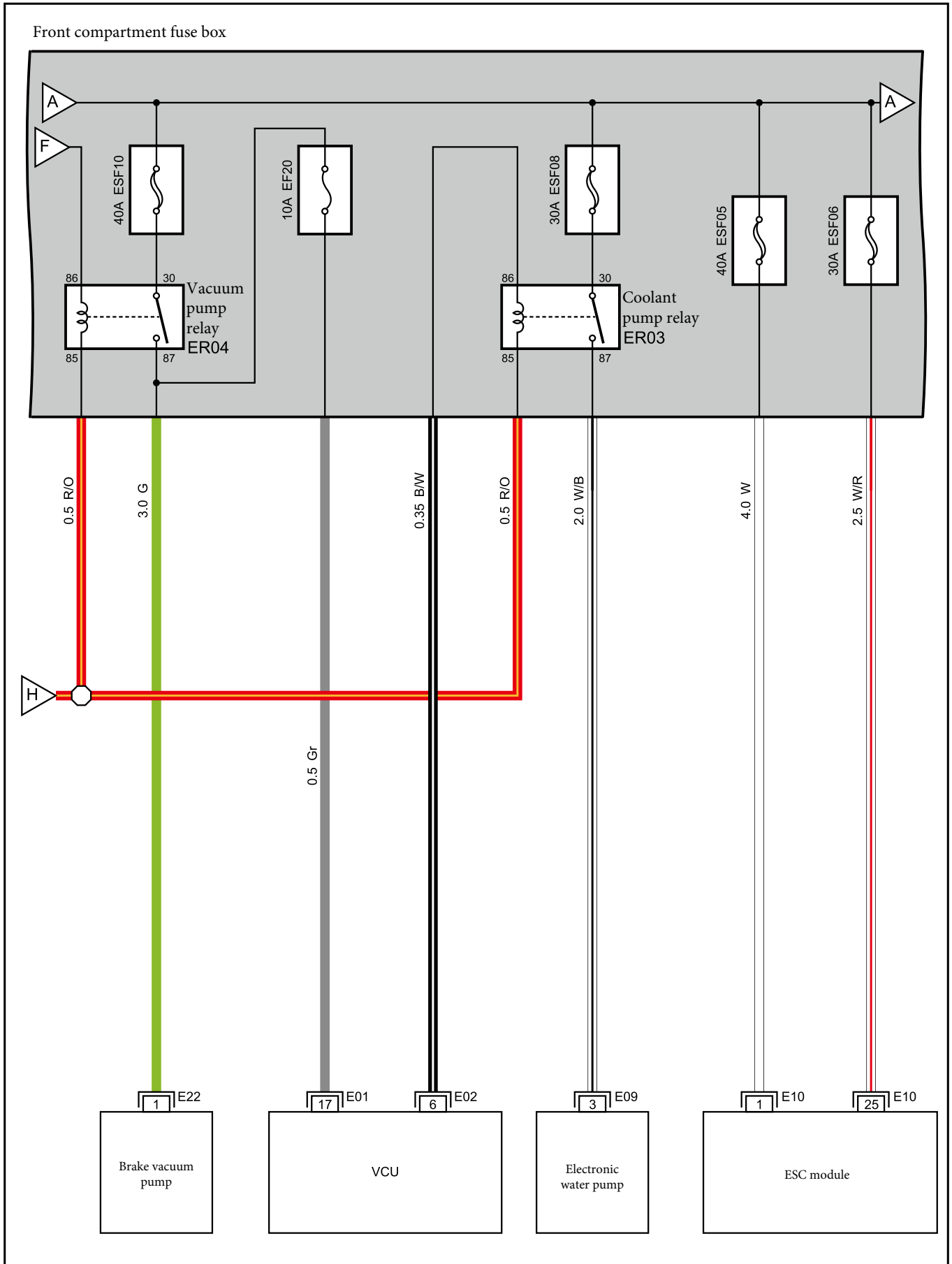
Front compartment fuse box 3





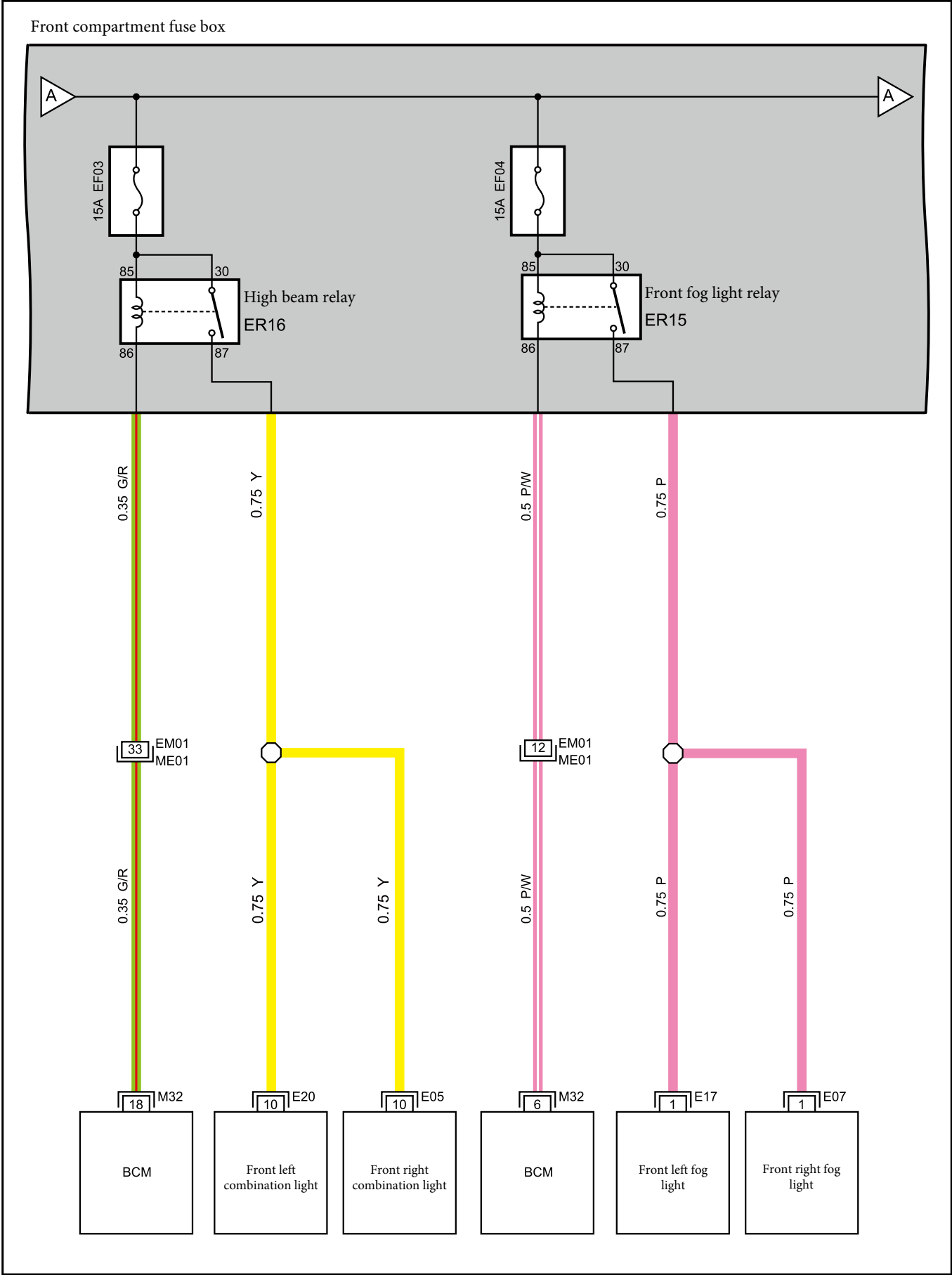


Front compartment fuse box 6

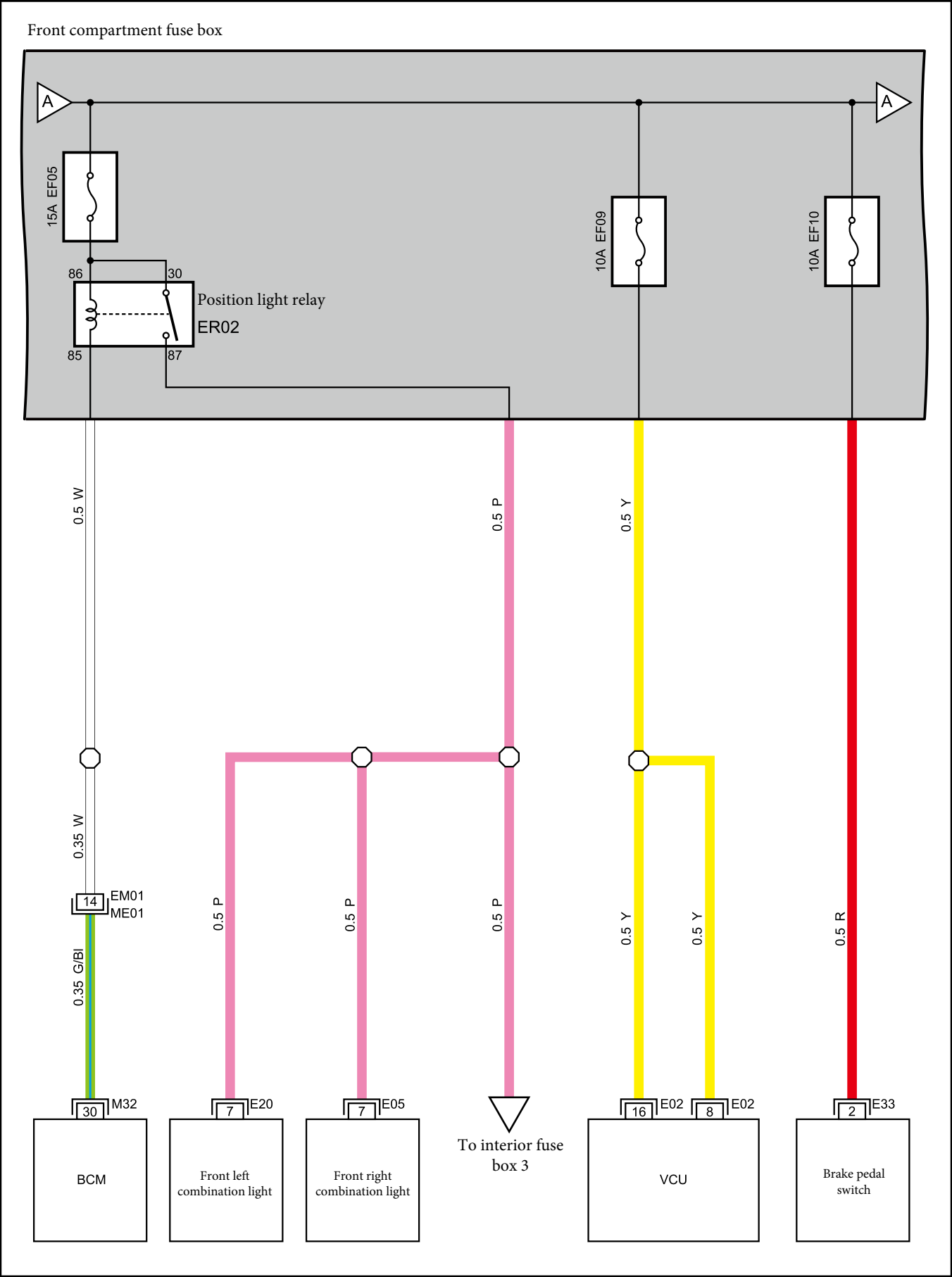




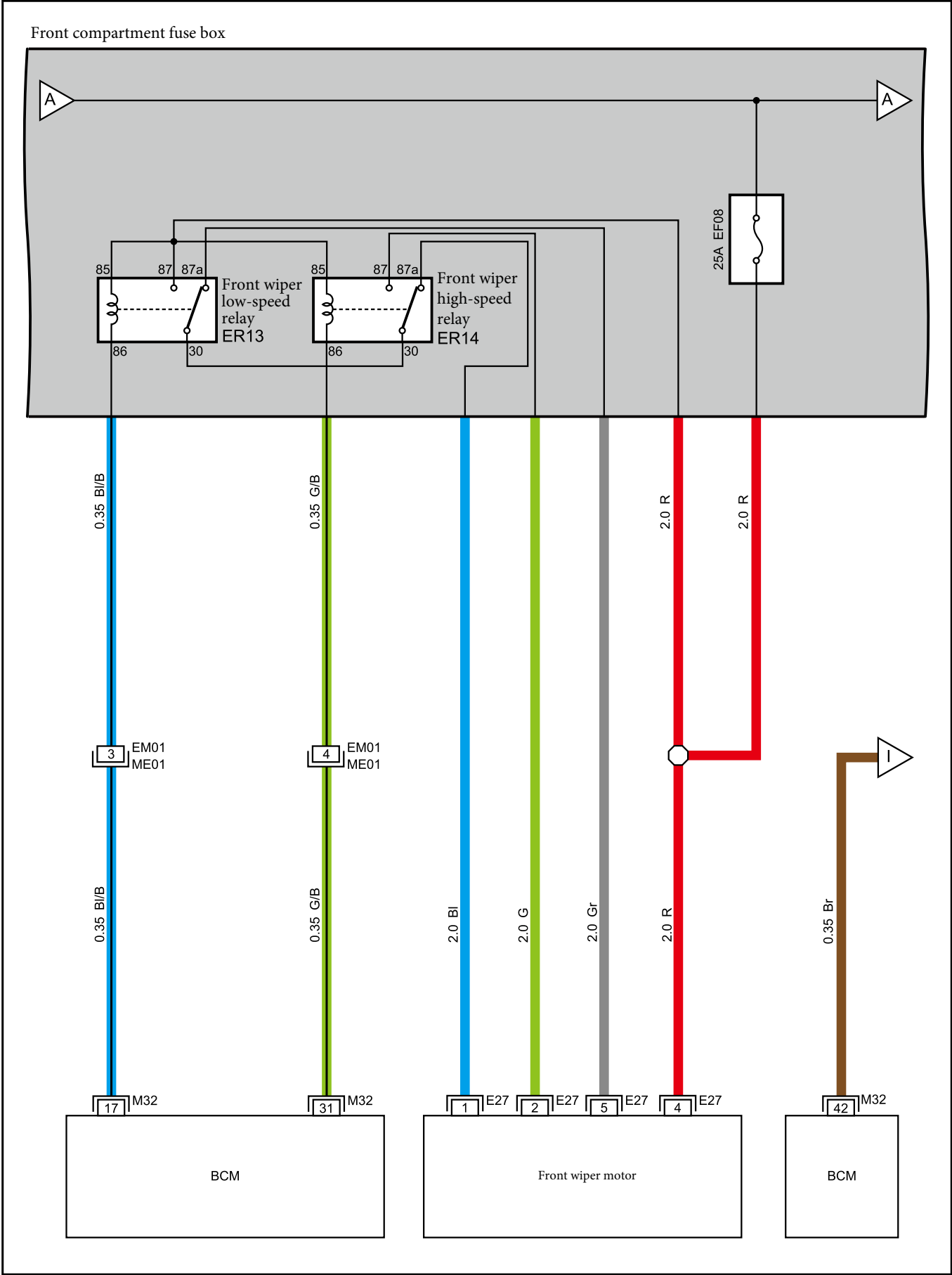
Front compartment fuse box 8



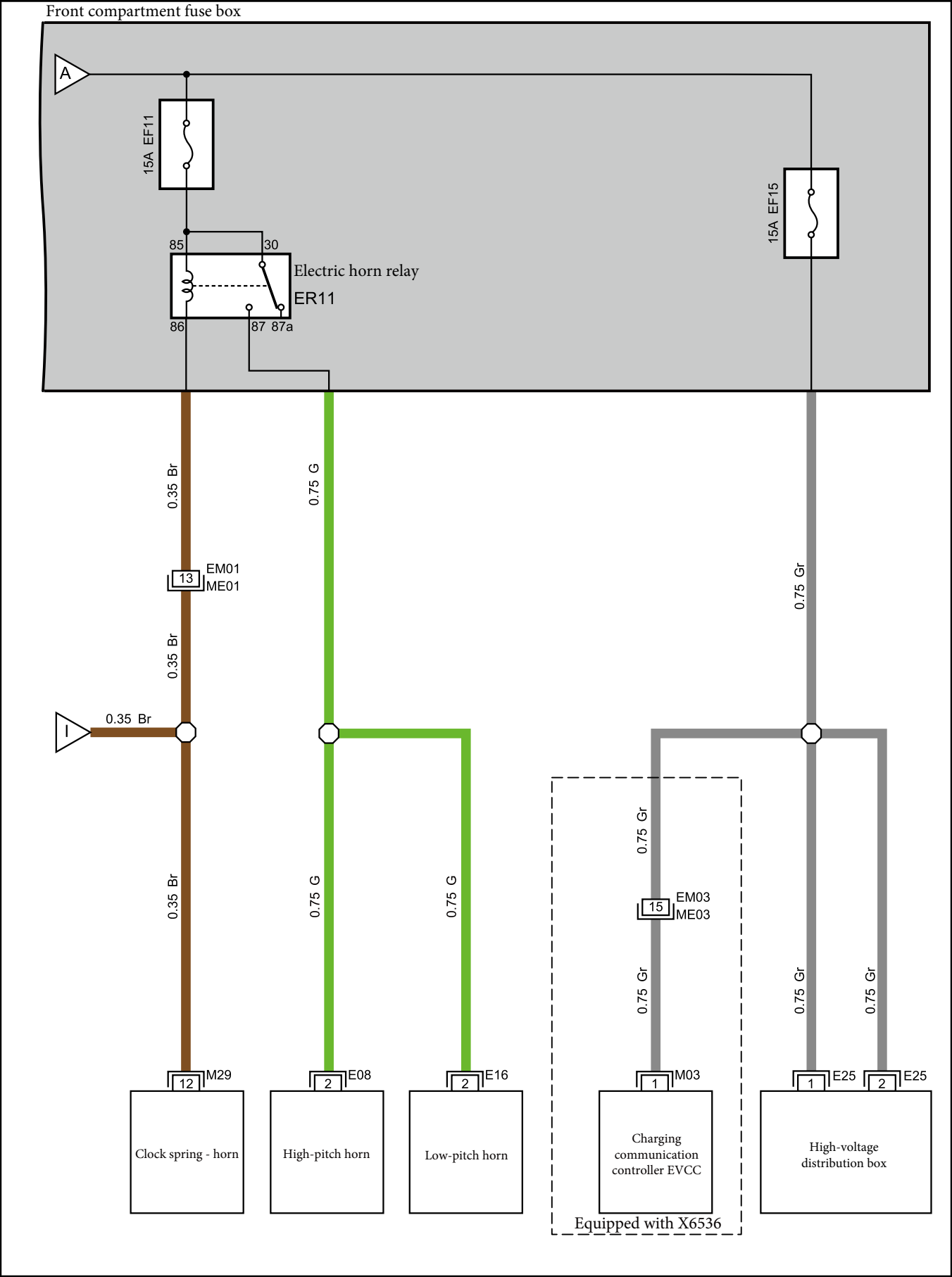
Front compartment fuse box 9



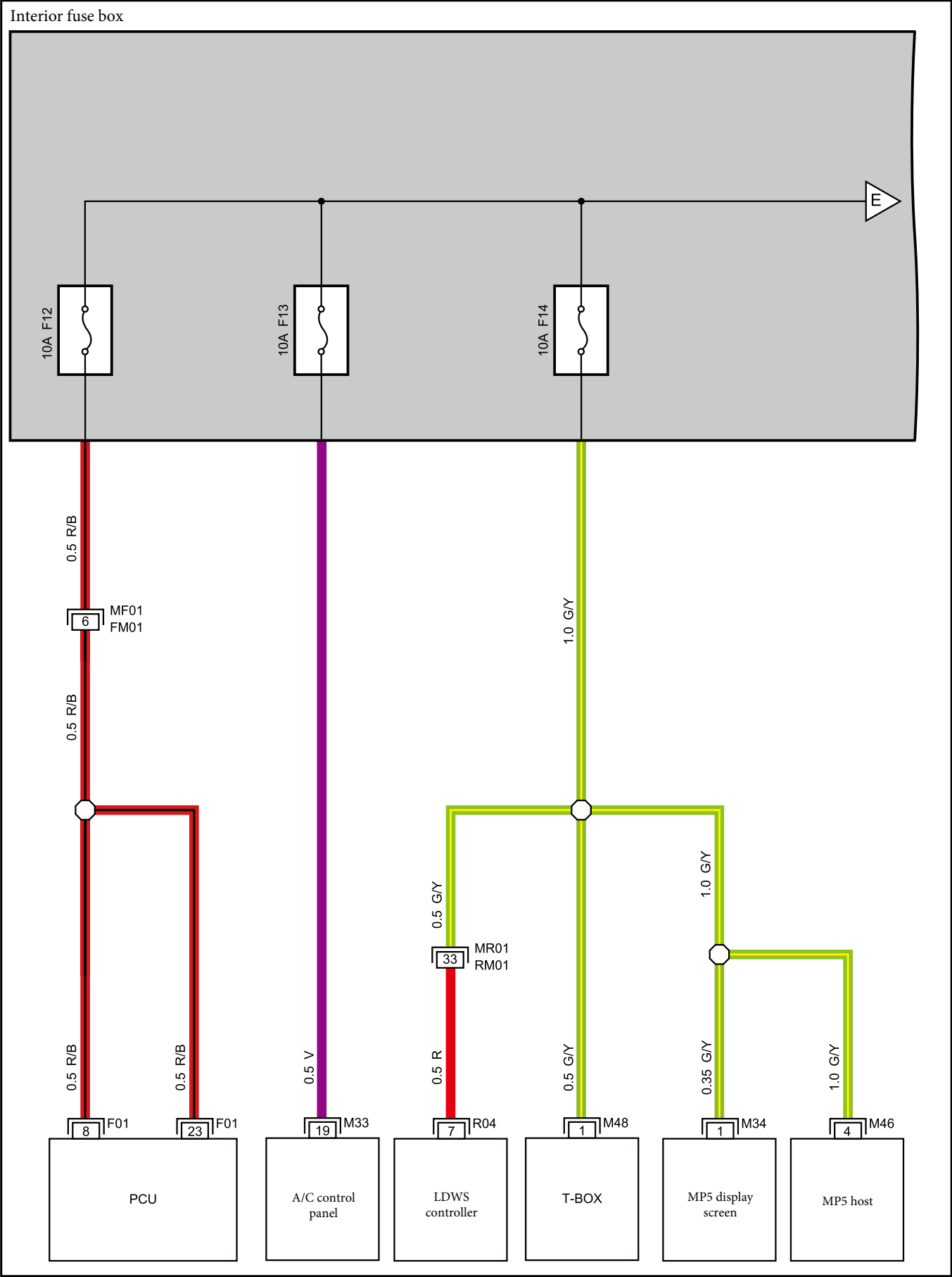
Front compartment fuse box 10



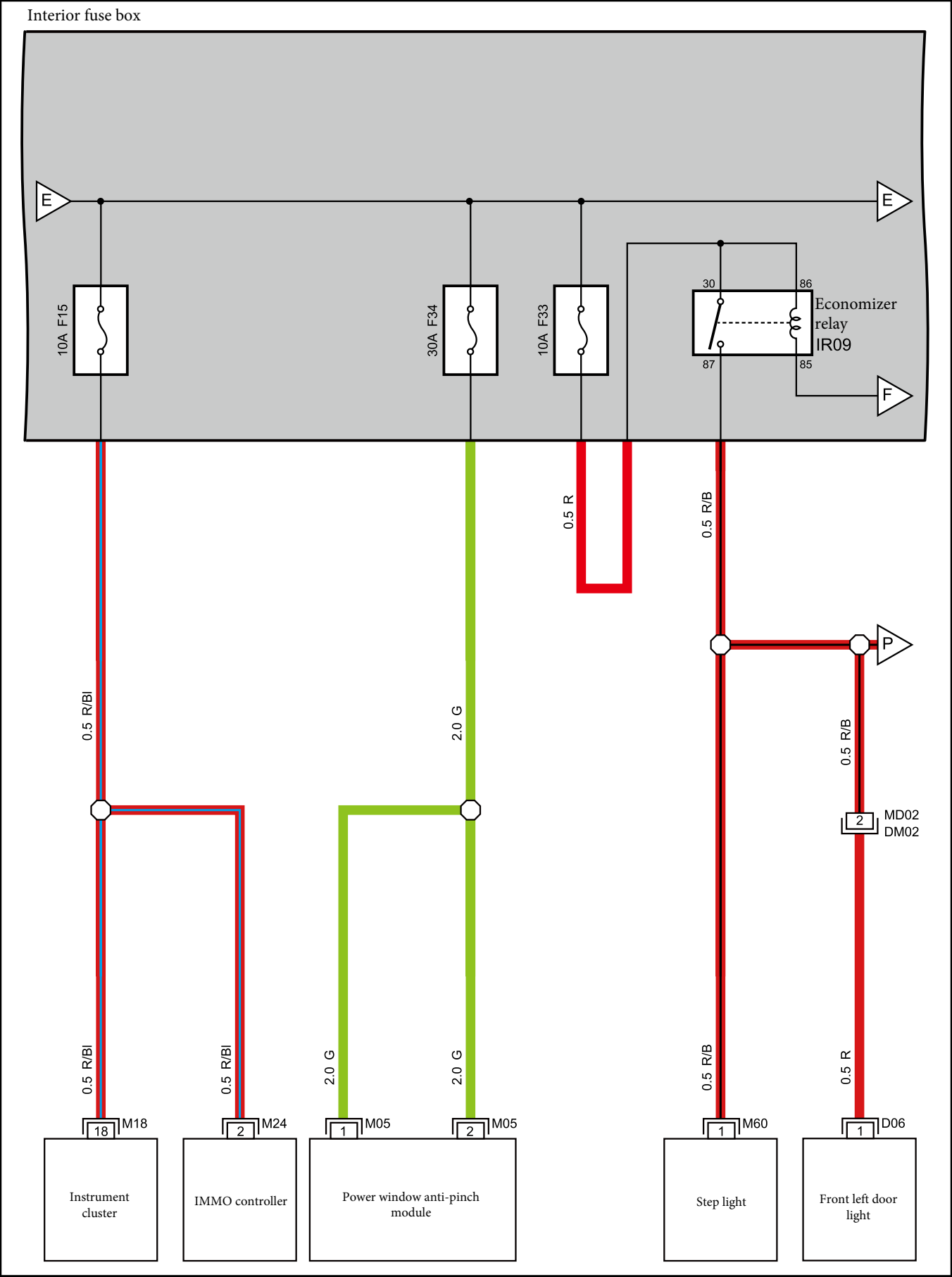
Front compartment fuse box 11



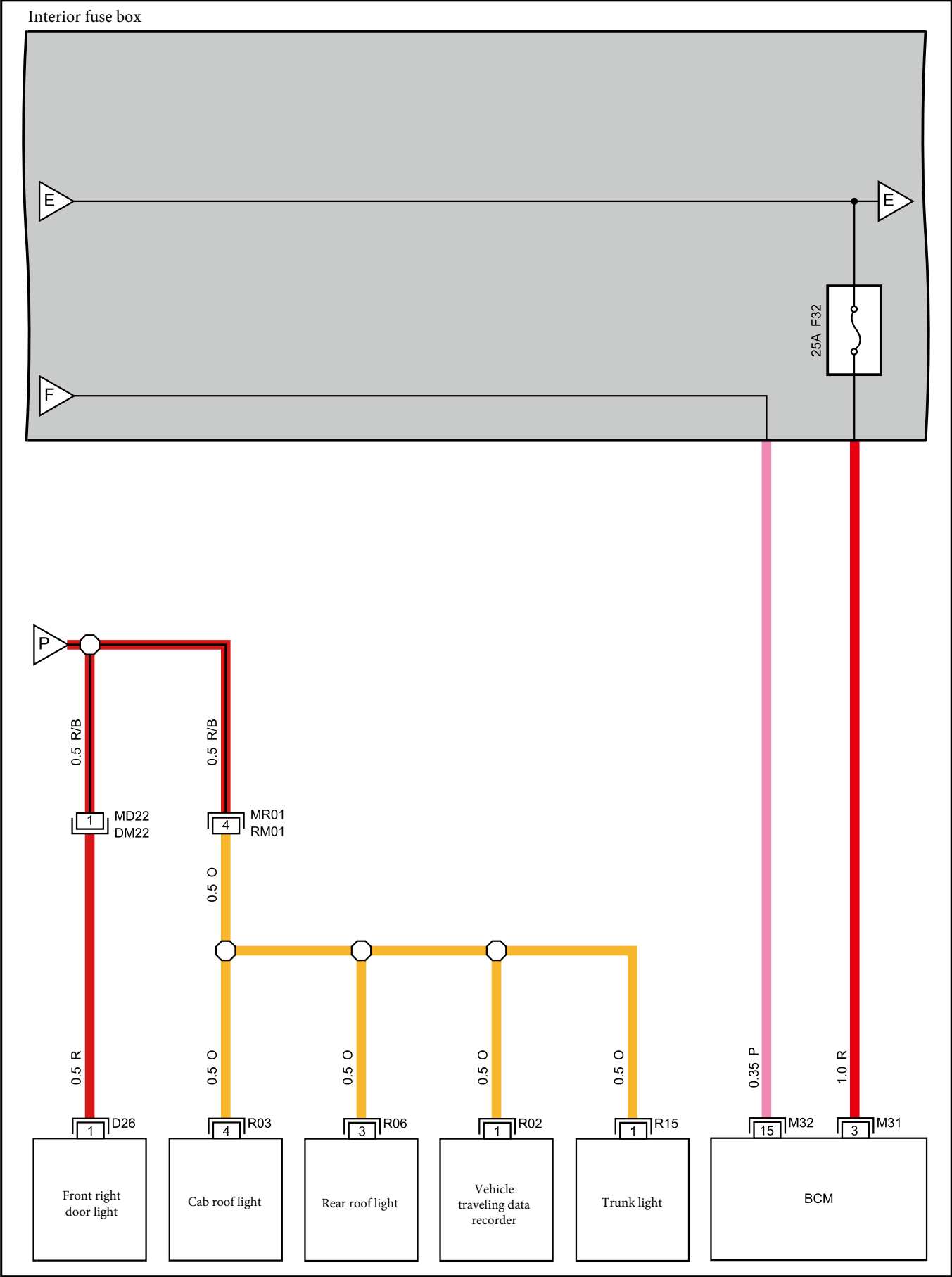
Interior fuse box 1



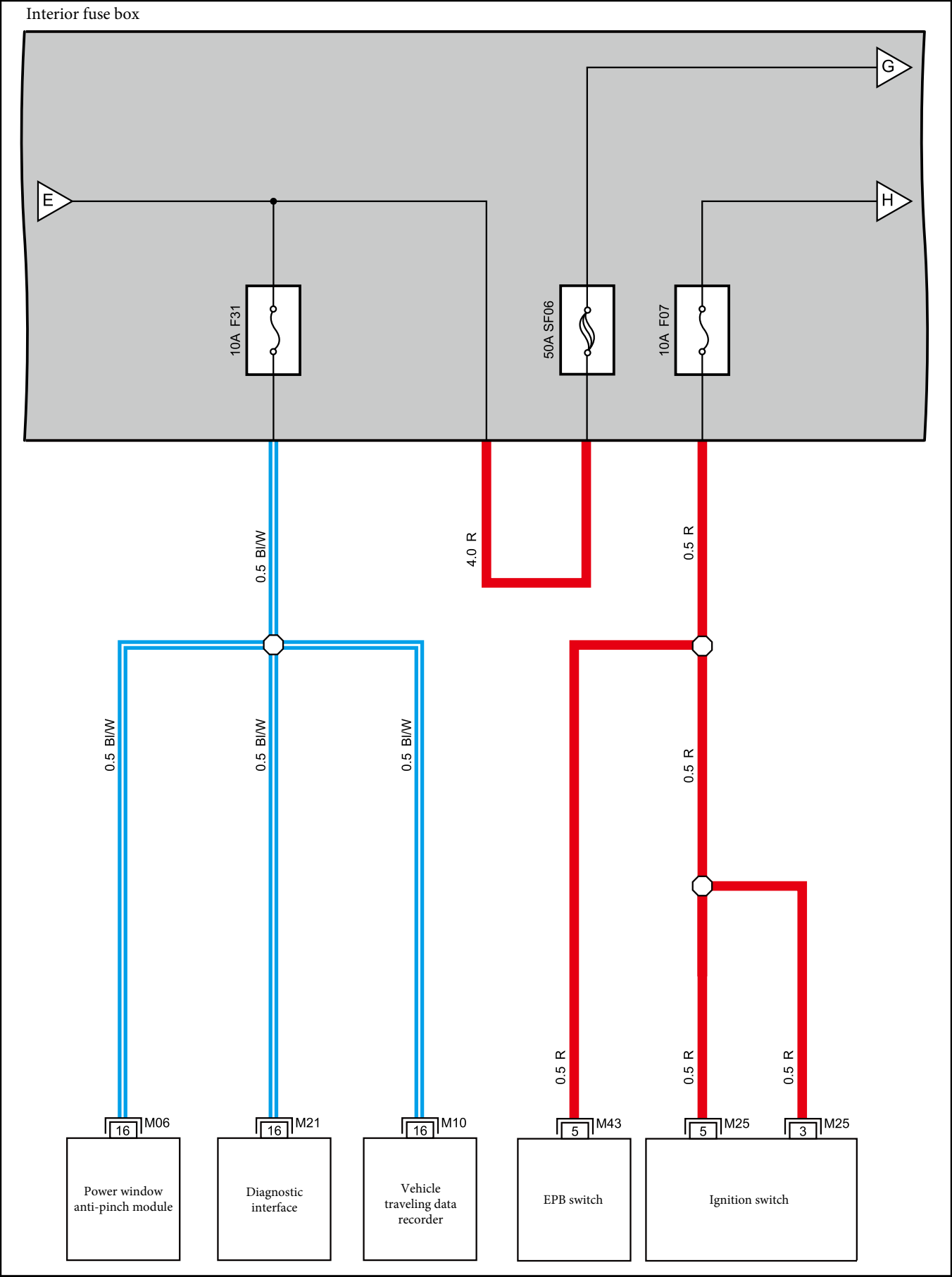
Interior fuse box 2



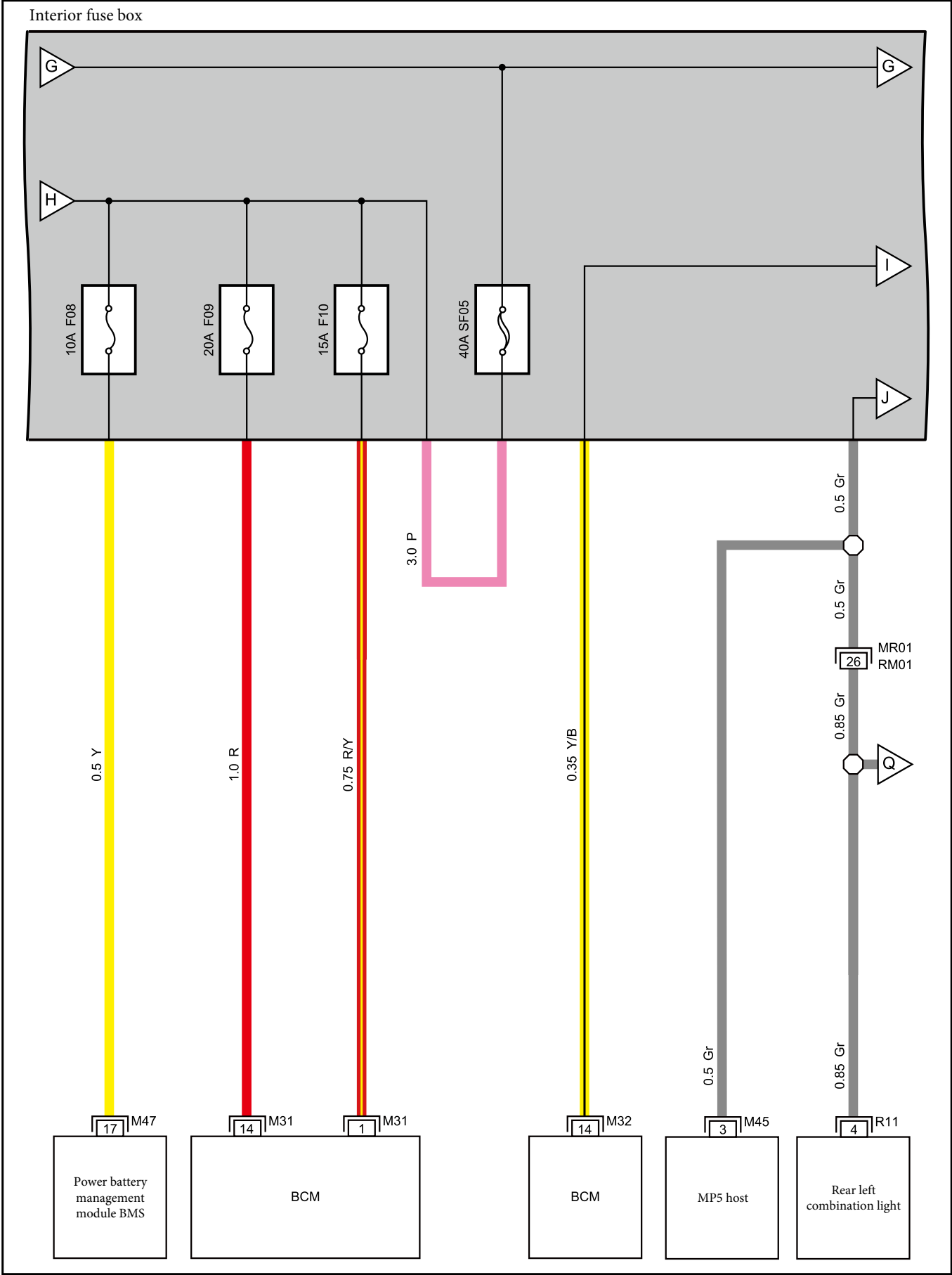
Interior fuse box 3



Interior fuse box 4

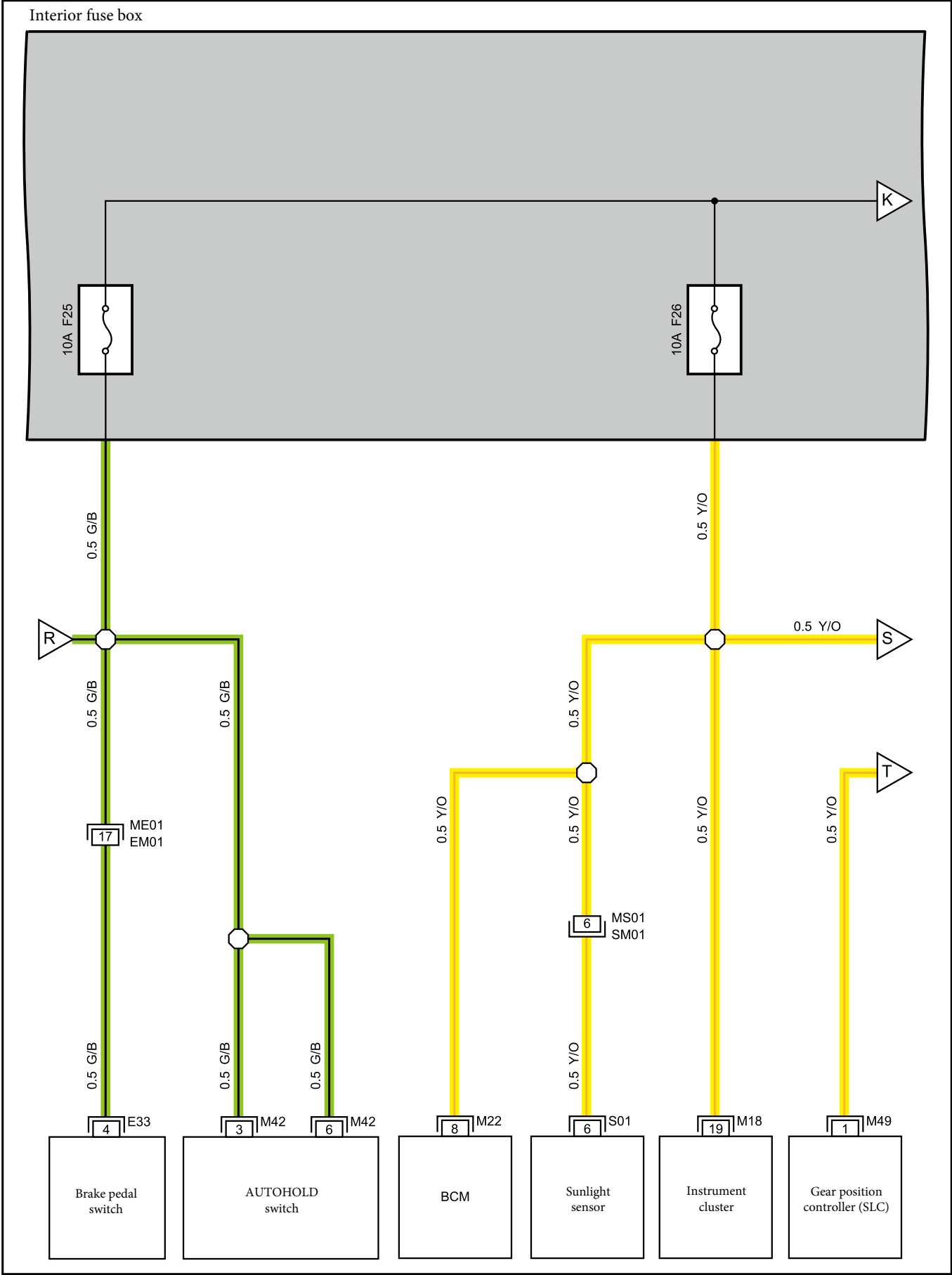


Interior fuse box

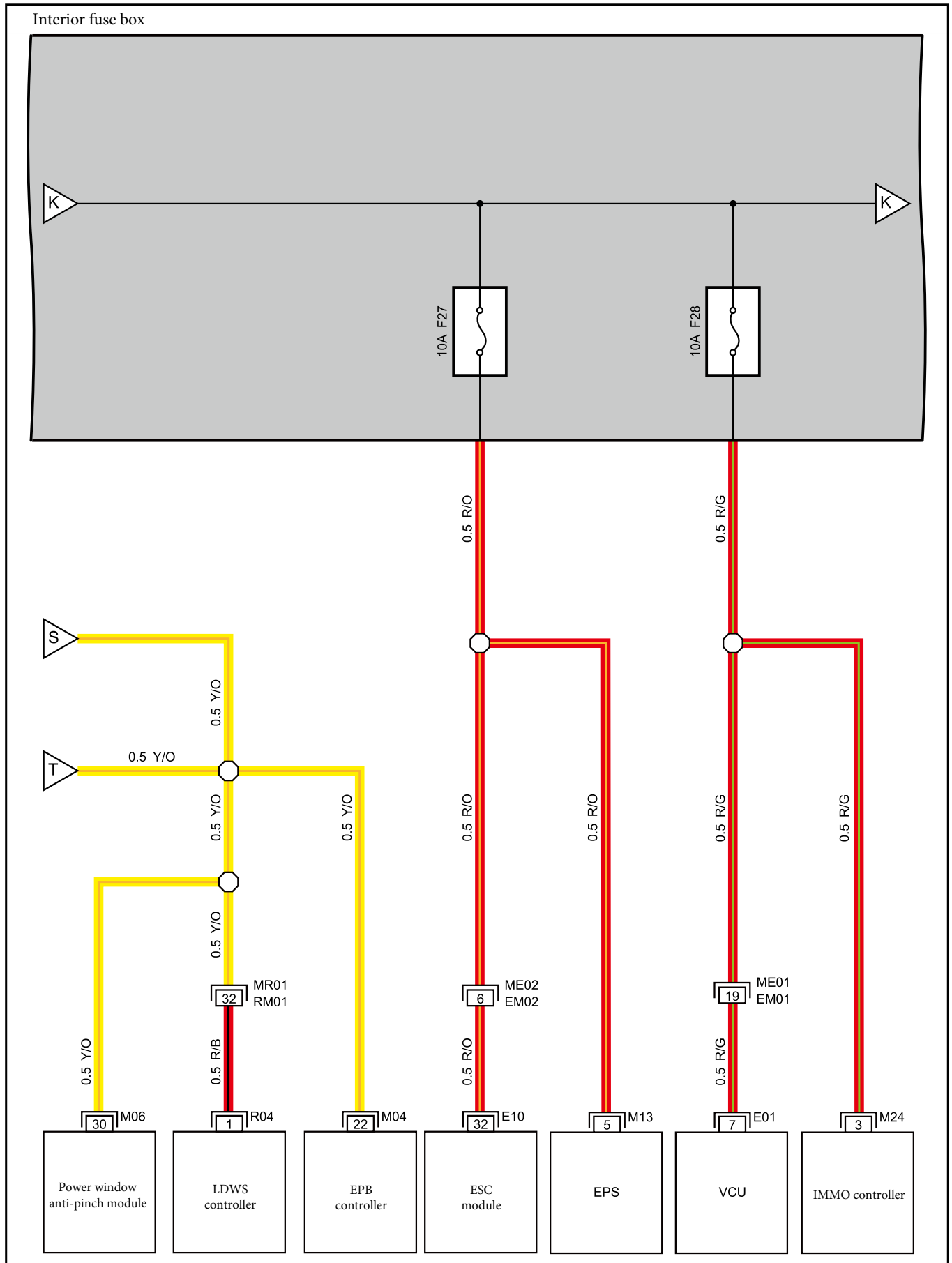




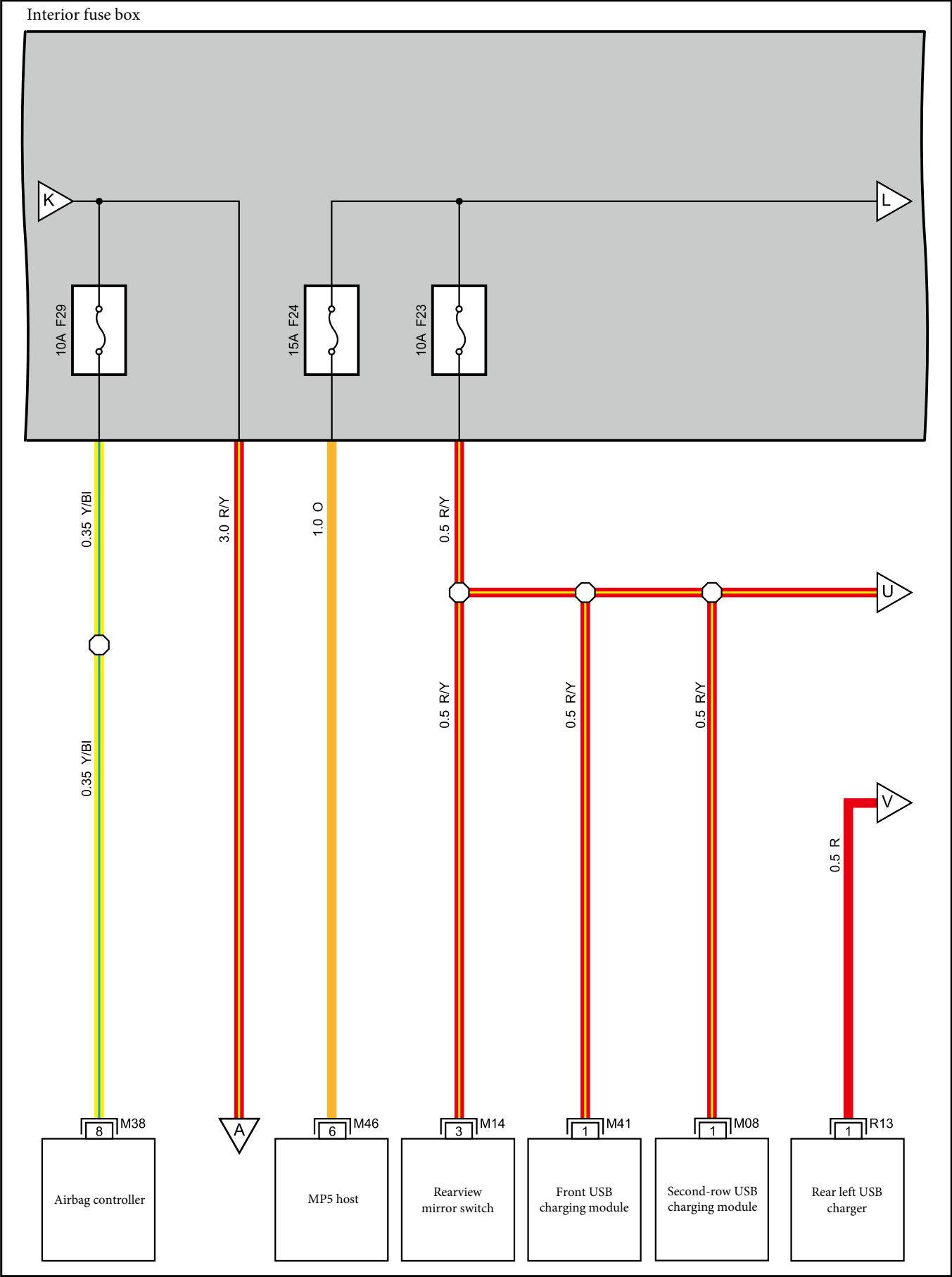
Interior fuse box 7



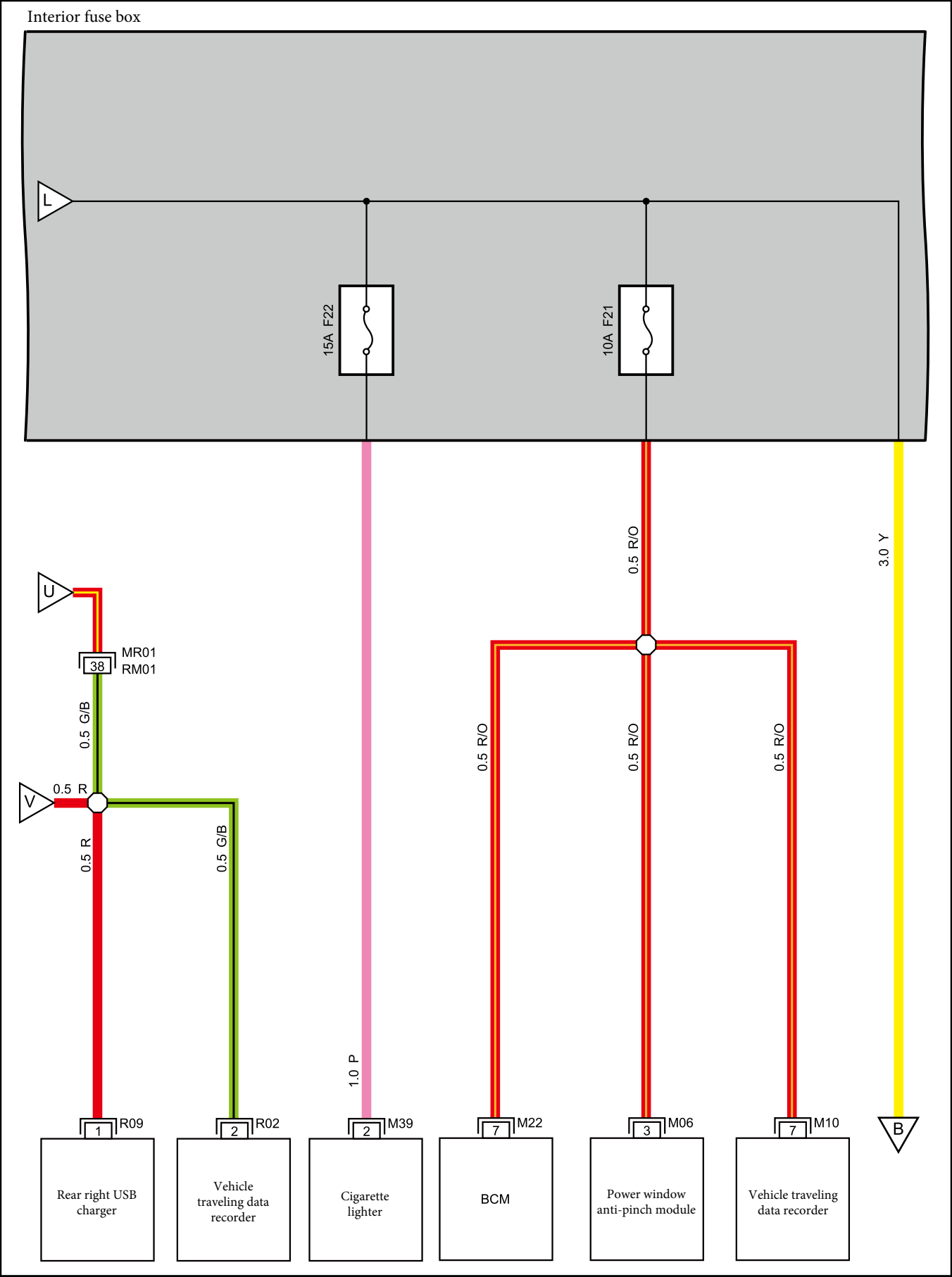
Interior fuse box 8



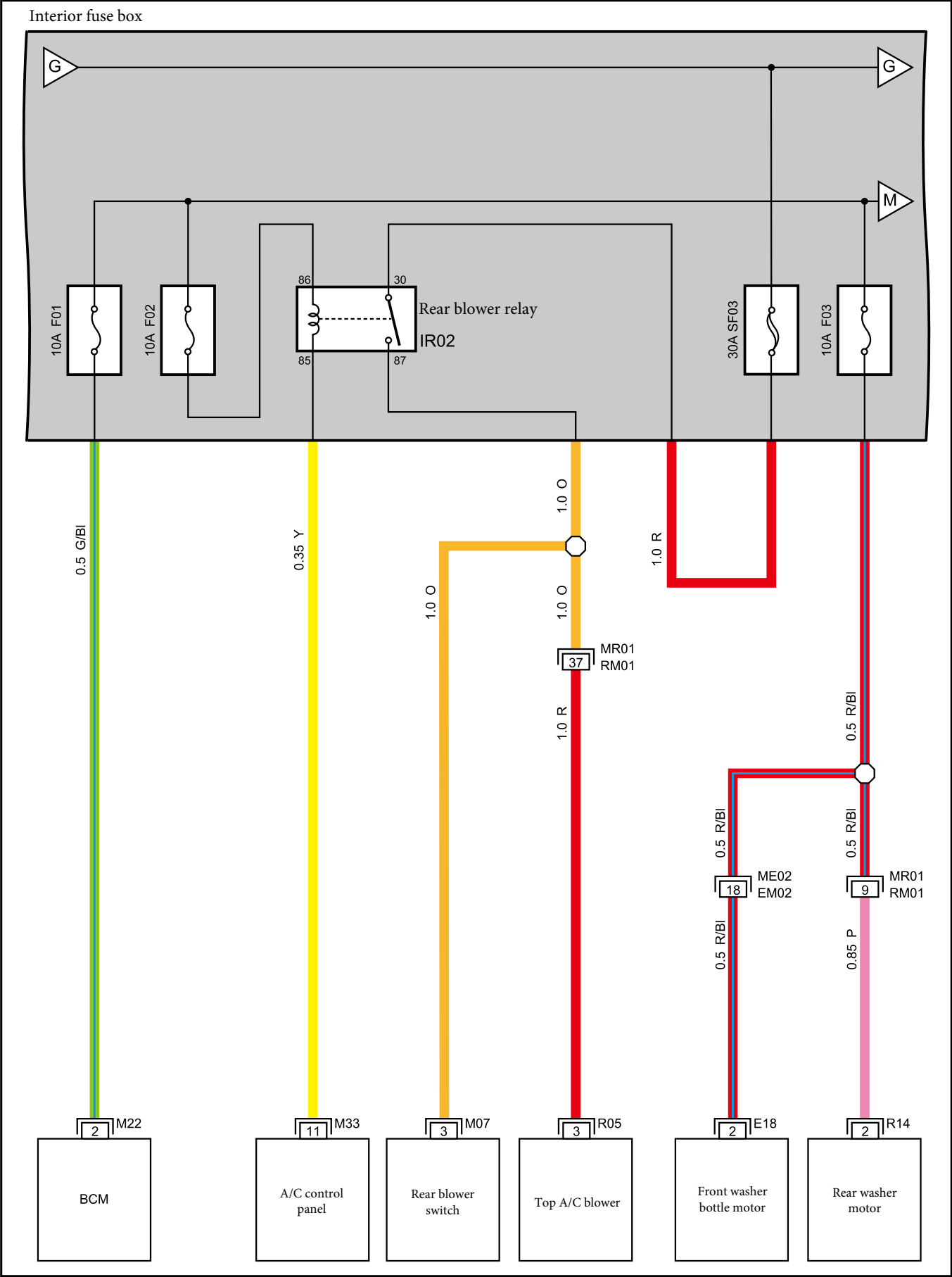
Interior fuse box



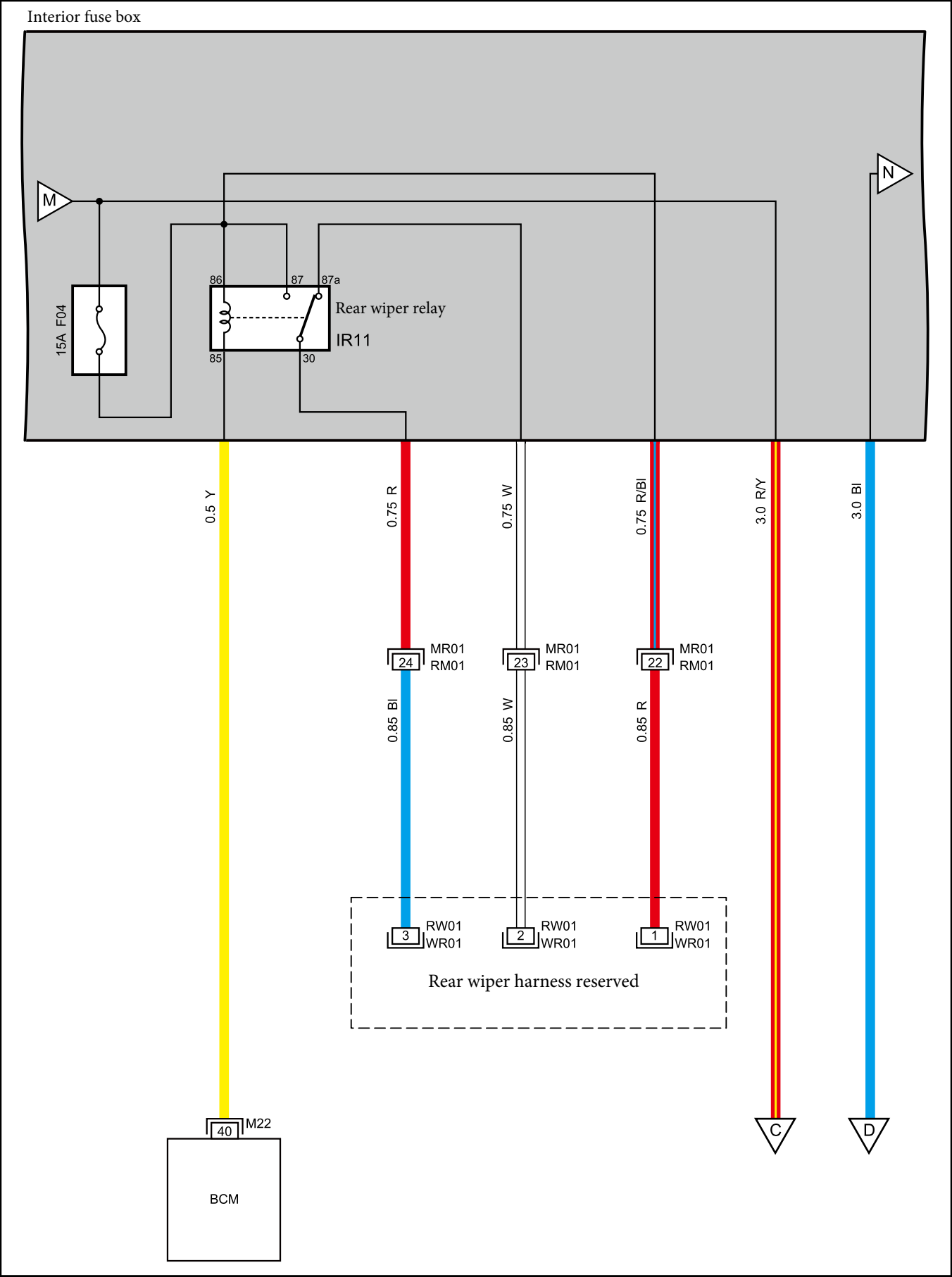
Interior fuse box 10



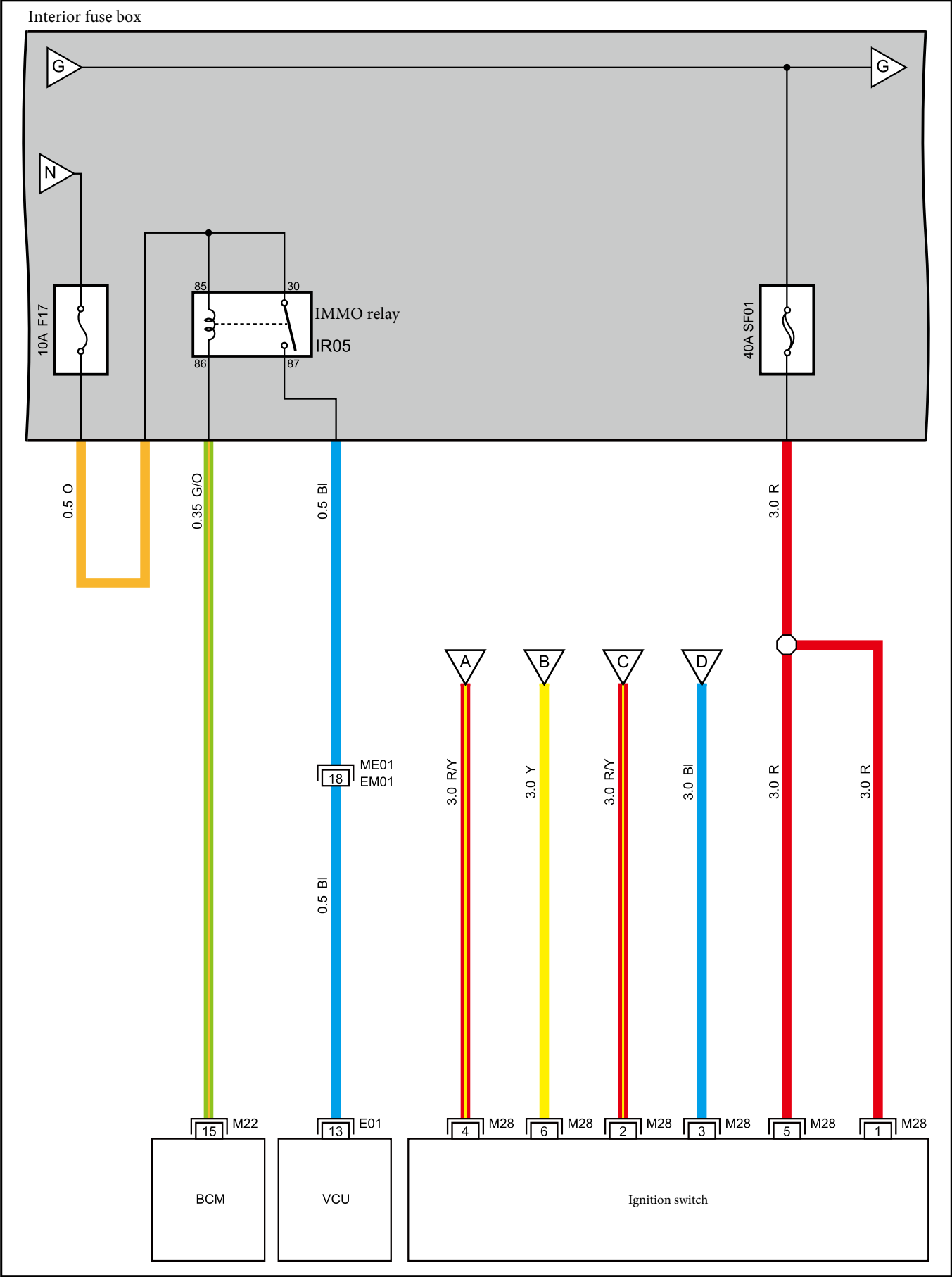
Interior fuse box 11



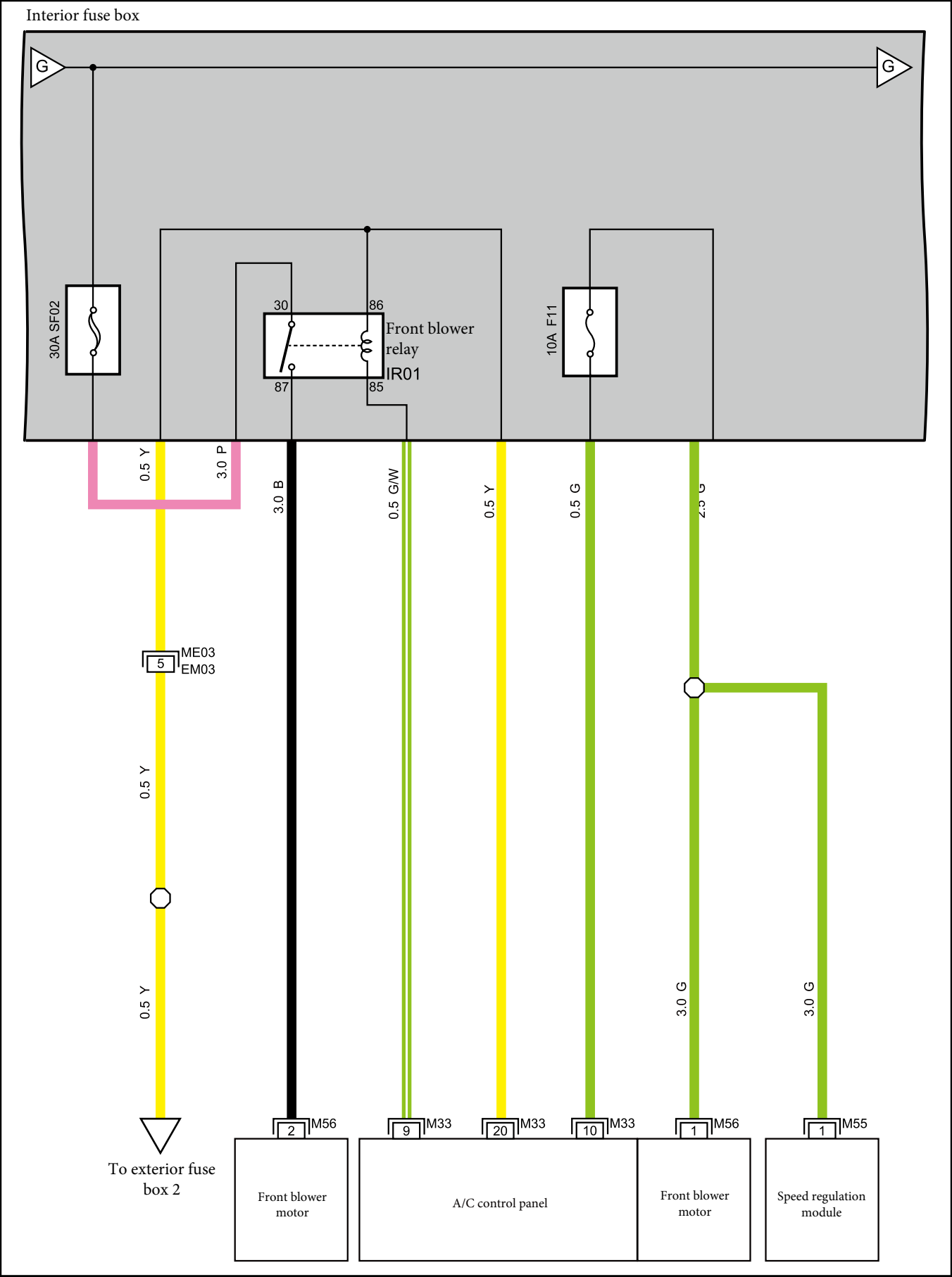
Interior fuse box 12



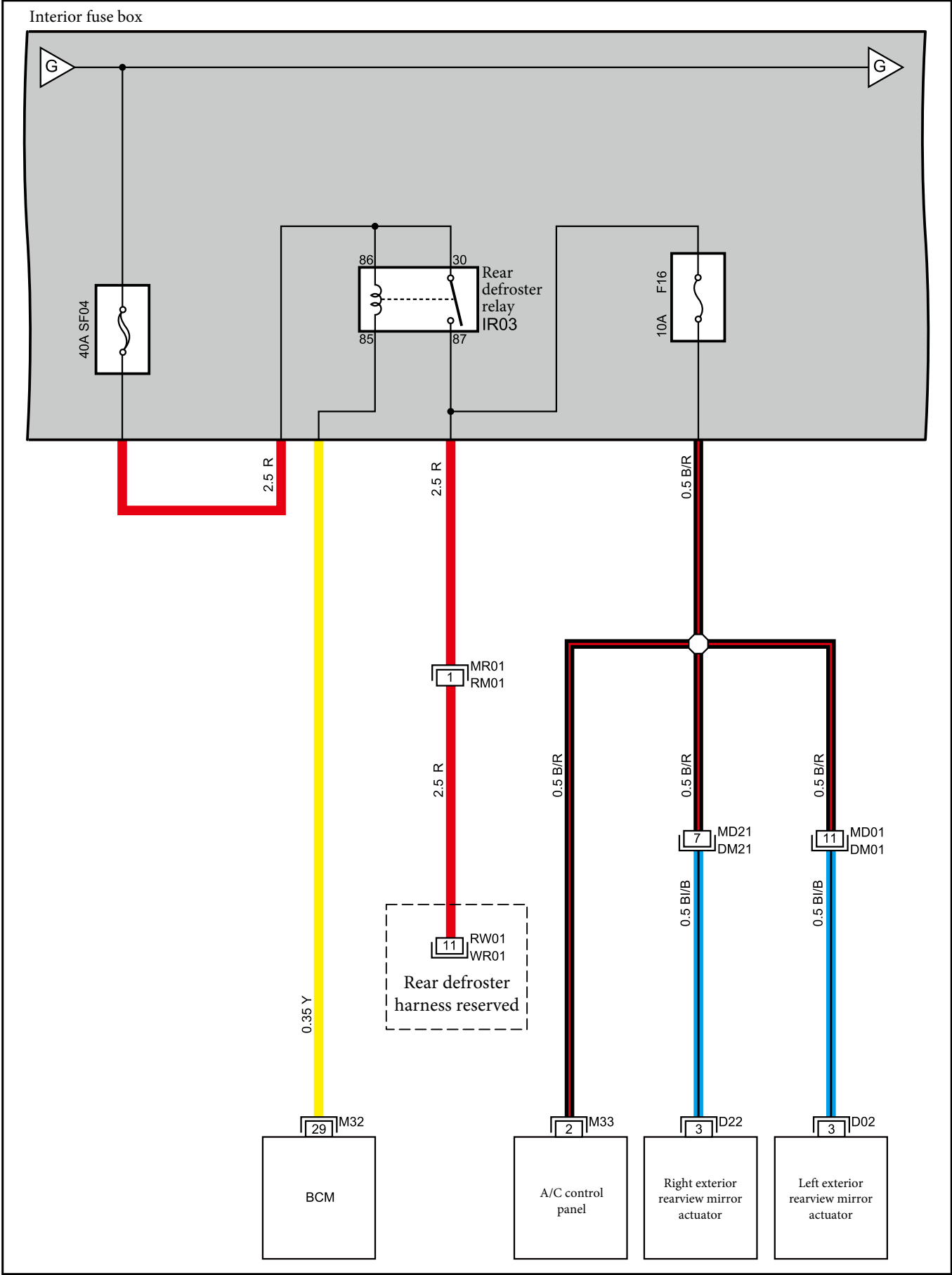
Interior fuse box 13



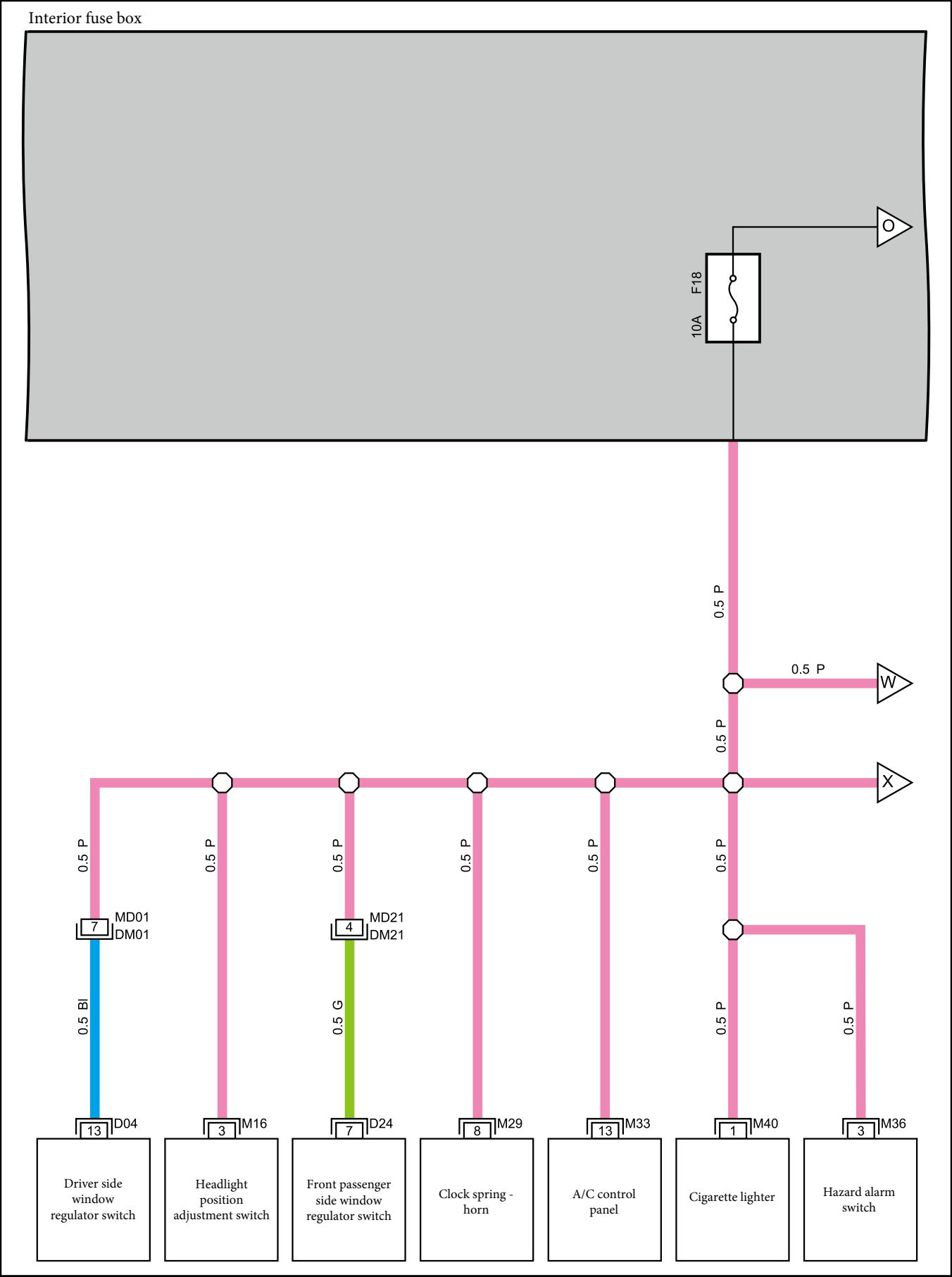
Interior fuse box 14



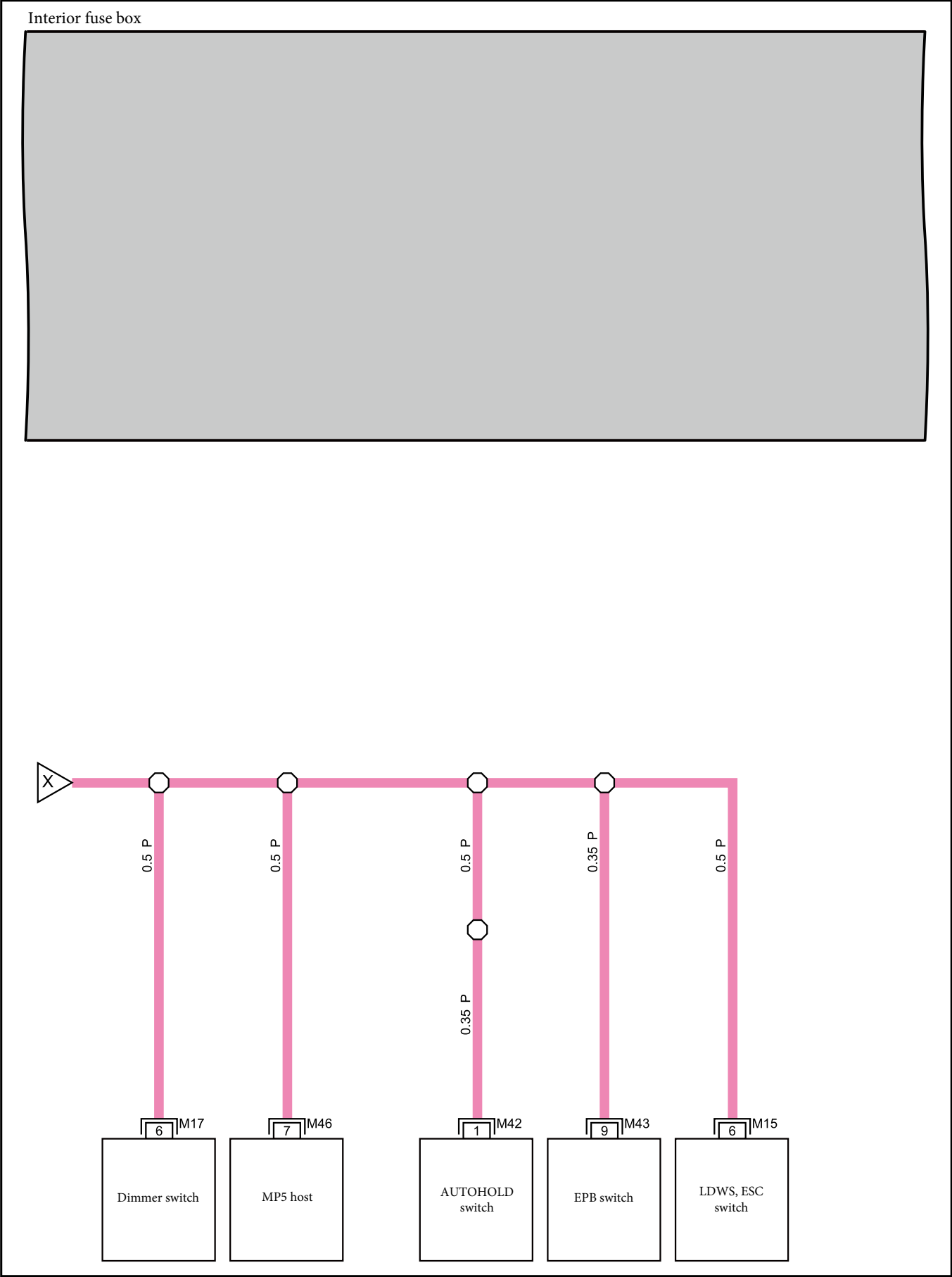
Interior fuse box 15



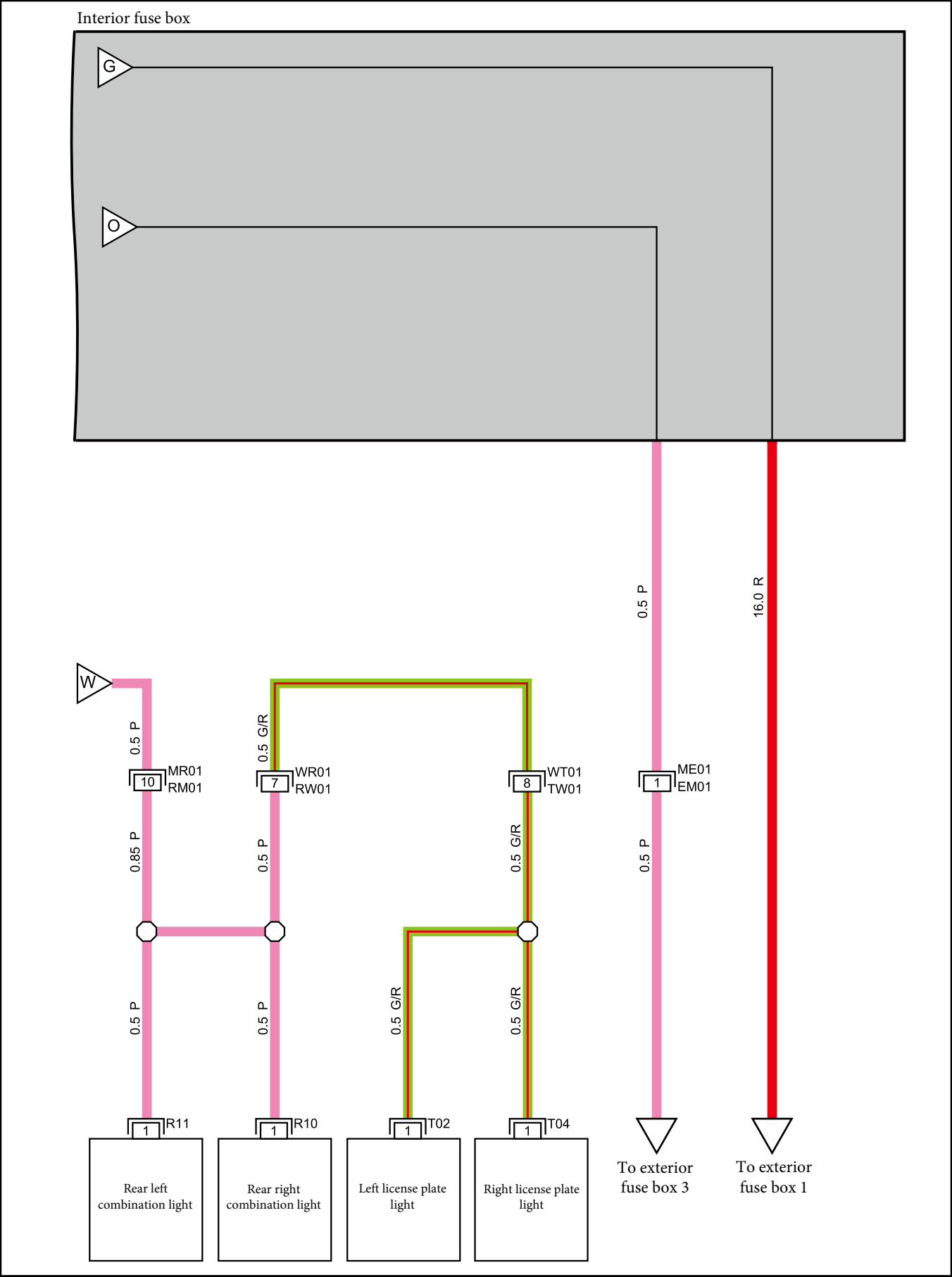
Interior fuse box 16



Interior fuse box 17



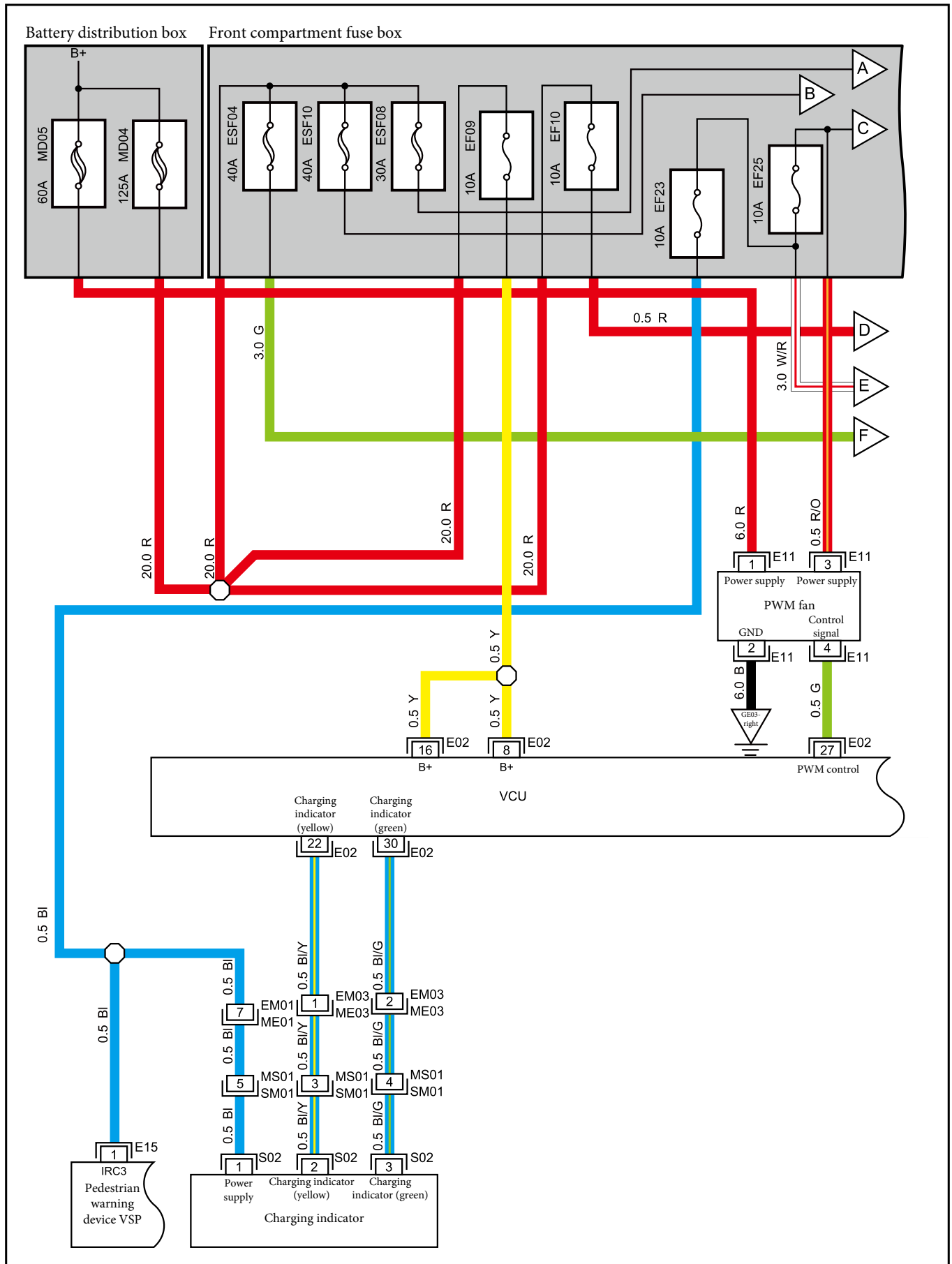
Interior fuse box 18



Electrical Diagram Index

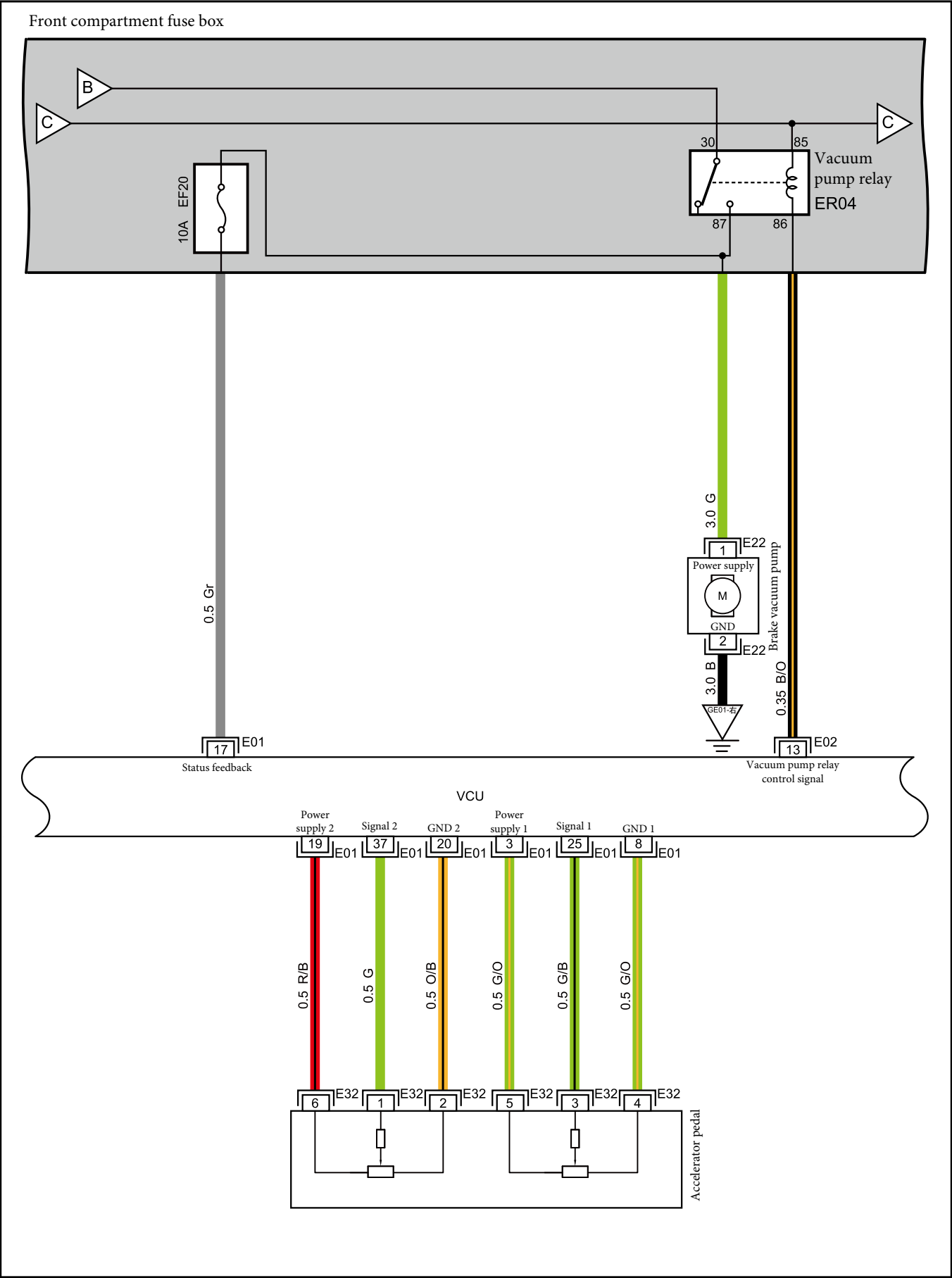
VCU1	146	EVCAN	228
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VCU4	152		
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Rear defroster.....	218		
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VCU1

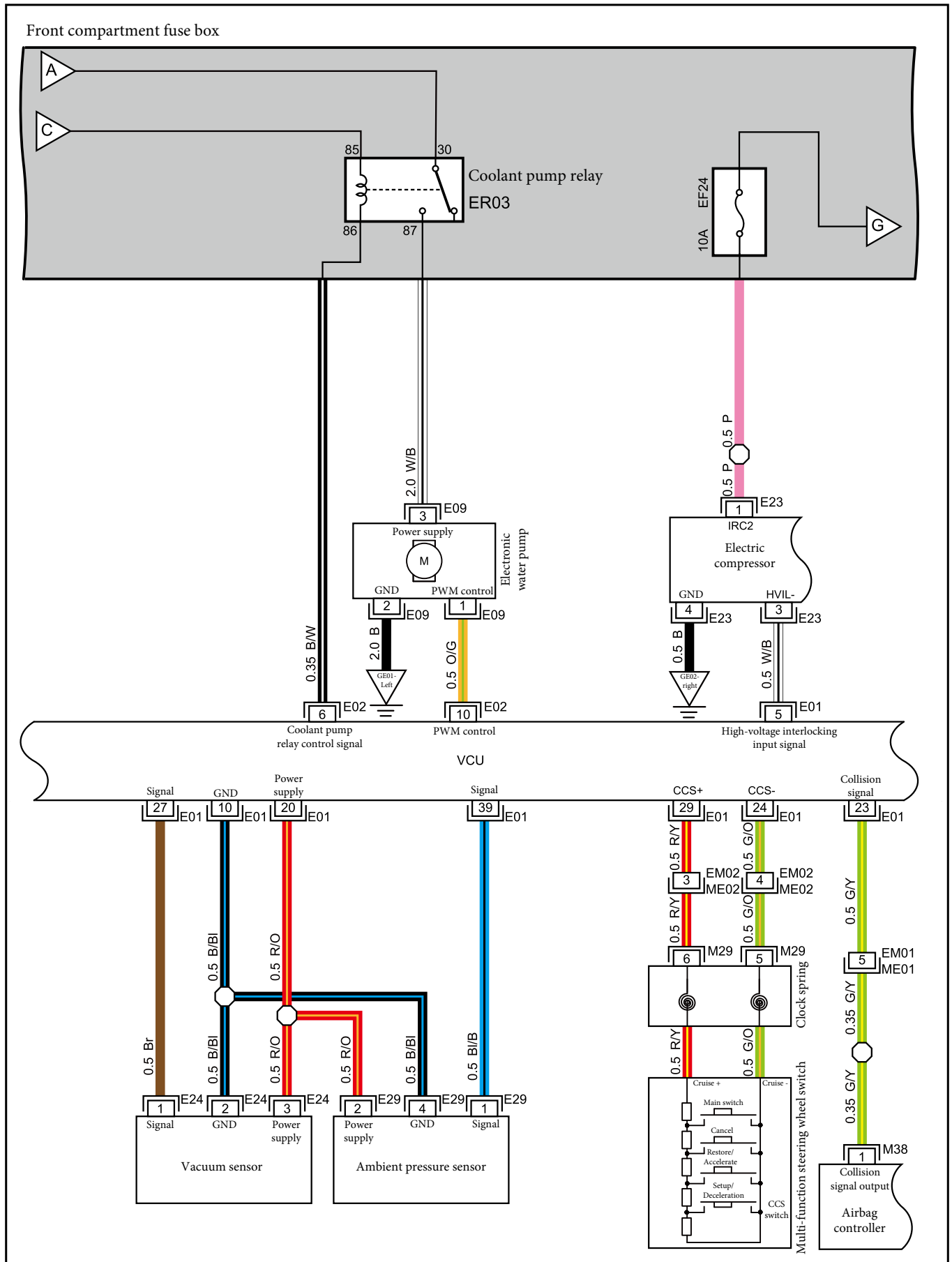


Harness connectors	Name	Page
E02	VCU	18
E11	PWM fan	18
E15	Pedestrian warning device VSP	18
EM01	Engine harness connected to main harness 1	18
EM03	Engine harness connected to main harness 3	18
GE03-right	Engine harness GND 3	19
ME01	Main harness connected to engine harness 1	42
ME03	Main harness connected to engine harness 3	42
MS01	Main harness to sunlight sensor harness	42
S02	Charging indicator	82
SM01	Sunlight sensor harness connected to main harness	82

VCU2

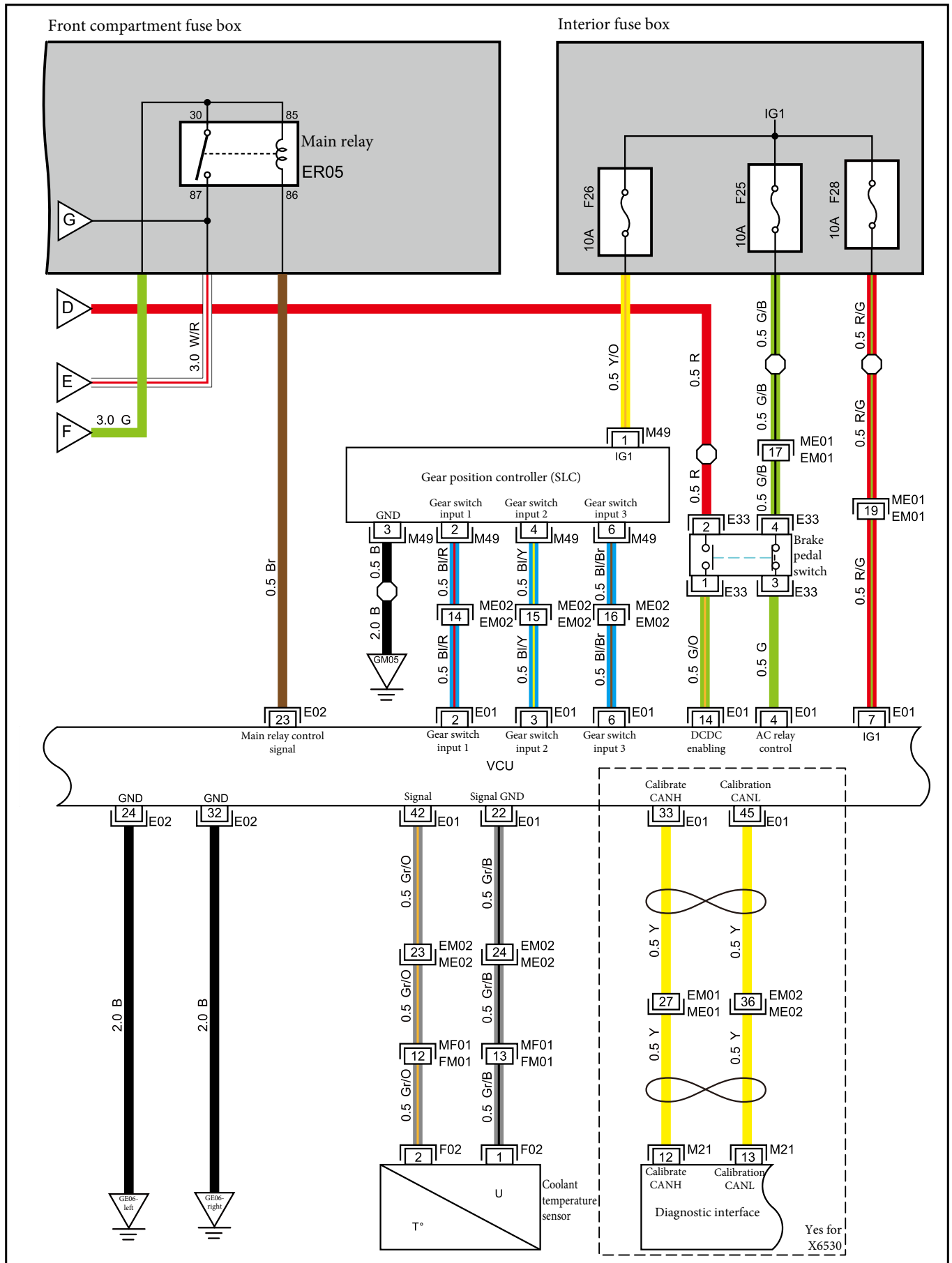


Harness connectors	Name	Page
E01	VCU	18
E02	VCU	18
E22	Brake vacuum pump	18
E32	Accelerator pedal switch	18
GE01-Right	Engine harness GND 1	19



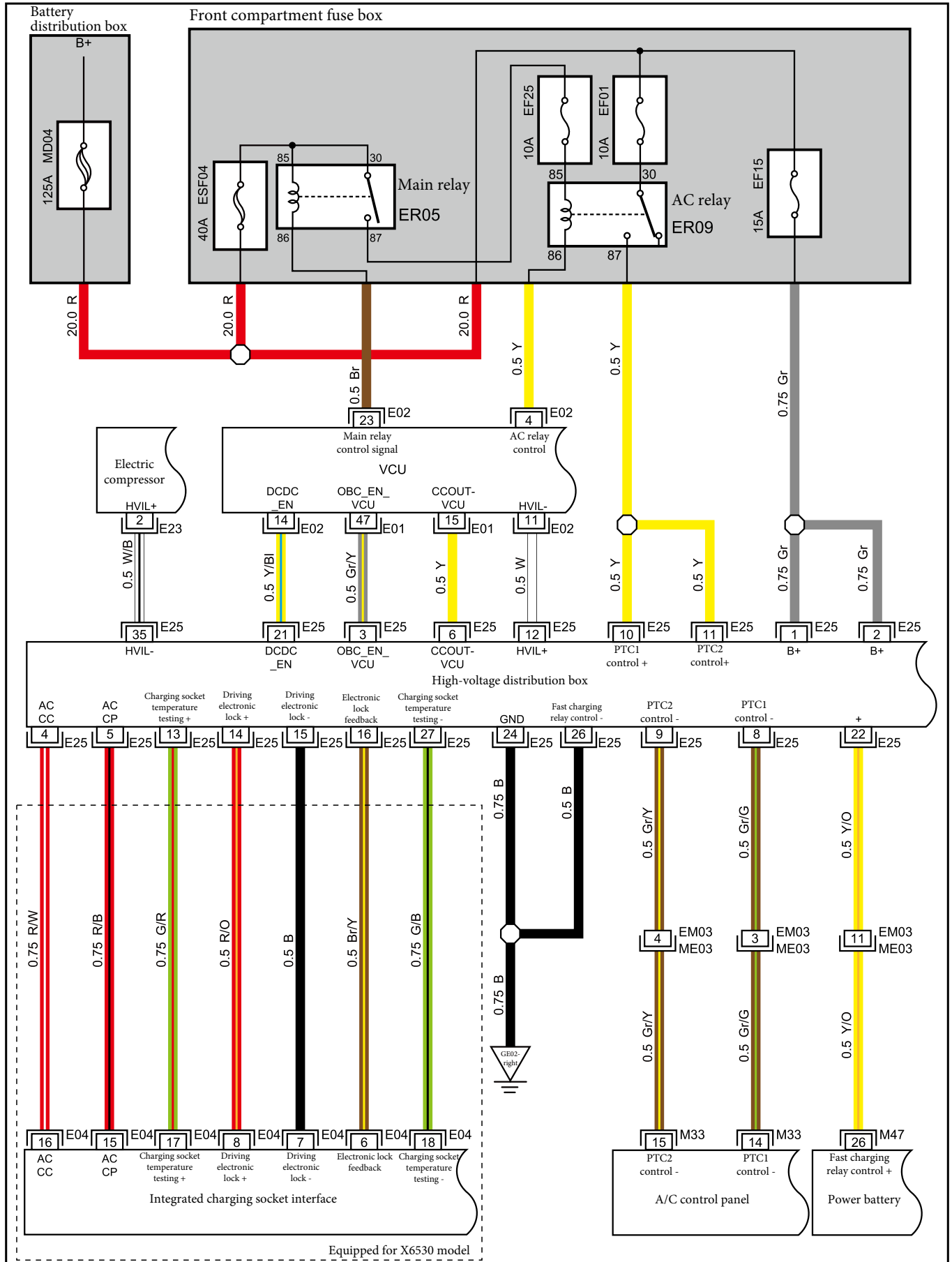
Harness connectors	Name	Page
E01	VCU	18
E02	VCU	18
E09	Electronic water pump	18
E23	Electric compressor	18
E24	Vacuum sensor	18
E29	Ambient pressure sensor	18
EM01	Engine harness connected to main harness 1	18
EM02	Engine harness connected to main harness 2	18
GE01-Left	Engine harness GND 1	19
GE02-right	Engine harness GND 2	19
M29	Clock spring _ horn	43
M38	Airbag controller	42
ME01	Main harness connected to engine harness 1	42
ME02	Main harness connected to engine harness 2	43

VCU4



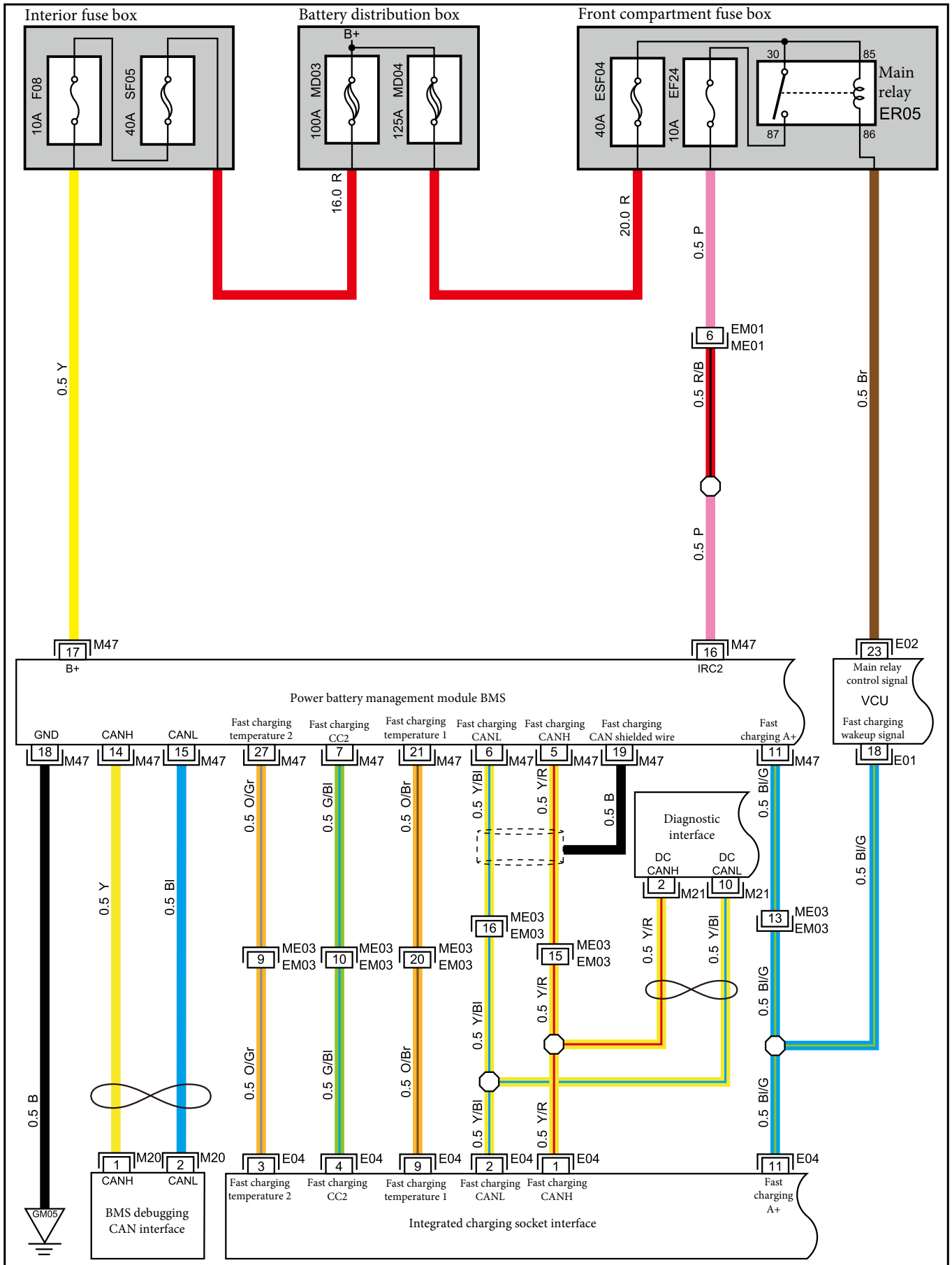
Harness connectors	Name	Page
E01	VCU	18
E02	VCU	18
E33	Brake pedal switch	18
EM01	Engine harness connected to main harness 1	18
EM02	Engine harness connected to main harness 2	18
F02	Coolant temperature sensor	85
FM01	Frame harness to main harness	85
GE06-Right	VCU GND	19
GE06-Left	VCU GND	19
GM05	Main harness GND 5	44
M21	Diagnostic interface	42
M49	Gear position controller (SLC)	42
ME01	Main harness connected to engine harness 1	42
ME02	Main harness connected to engine harness 2	43
MF01	Main harness to frame harness	43

High-voltage distribution box



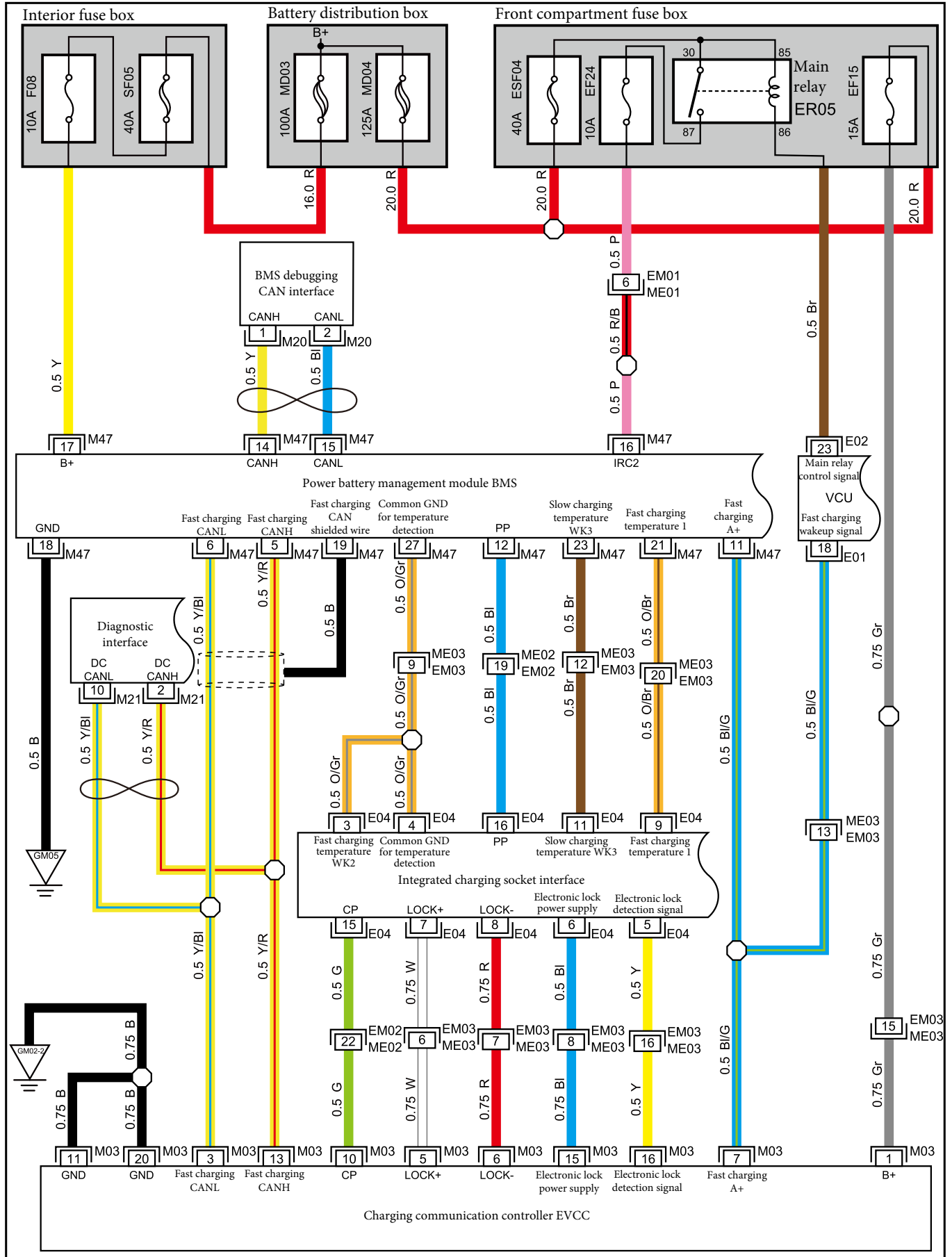
Harness connectors	Name	Page
E01	VCU	18
E02	VCU	18
E04	Integrated charging socket interface	18
E23	Electric compressor	18
E25	High-voltage distribution box	18
EM03	Engine harness connected to main harness 3	18
GE02-right	Engine harness GND 2	19
M33	A/C control panel	43
M47	Power battery management module BMS	43
ME03	Main harness connected to engine harness 3	42

BMS-1A(X6530)



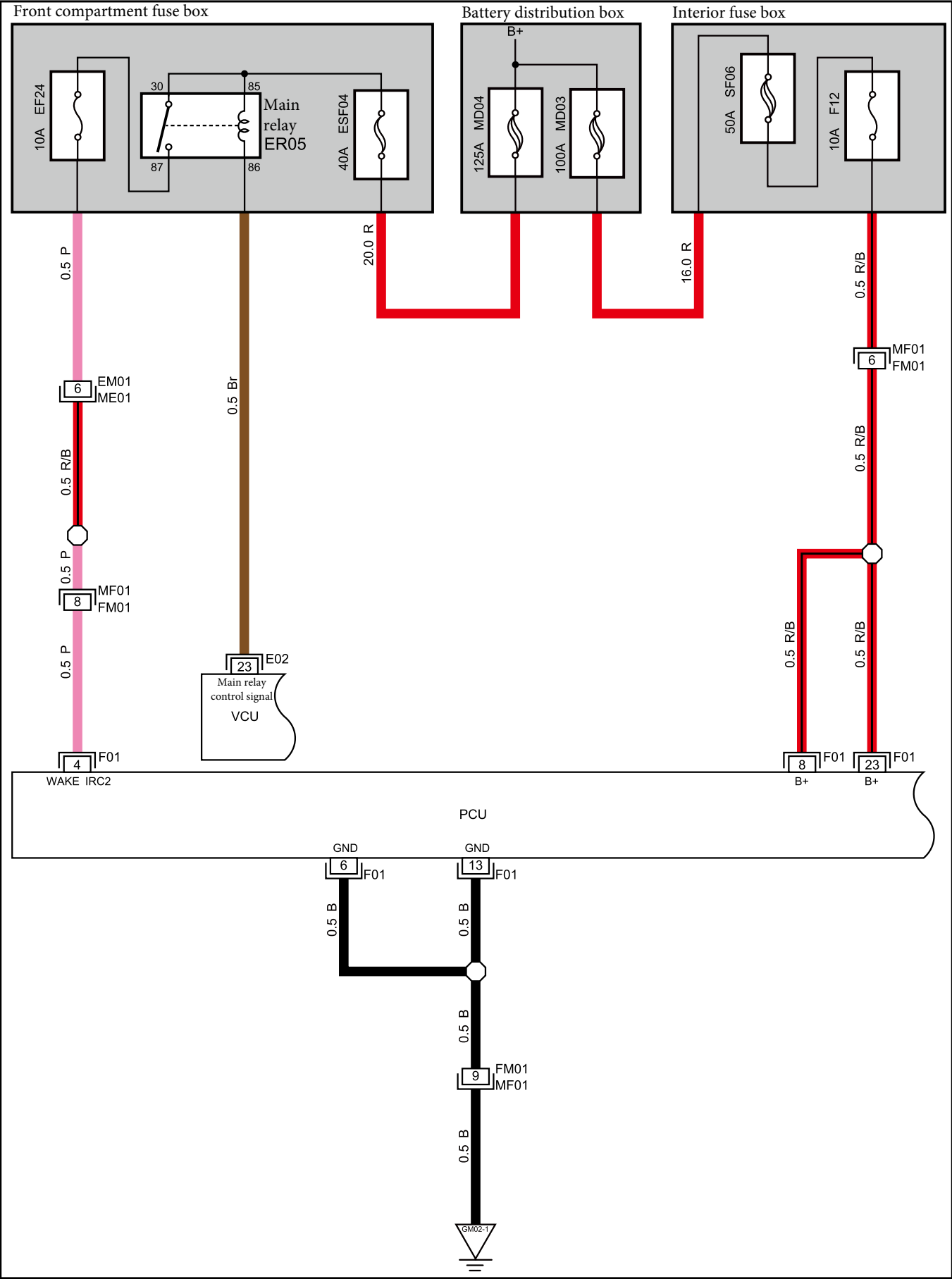
Harness connectors	Name	Page
E01	VCU	18
E02	VCU	18
E04	Integrated charging socket interface	18
EM01	Engine harness connected to main harness 1	18
EM03	Engine harness connected to main harness 3	18
GM05	Main harness GND 5	44
M20	BMS debugging CAN interface	42
M21	Diagnostic interface	42
M47	Power battery management module BMS	43
ME01	Main harness connected to engine harness 1	42
ME03	Main harness connected to engine harness 3	42

BMS-1B(X6536)



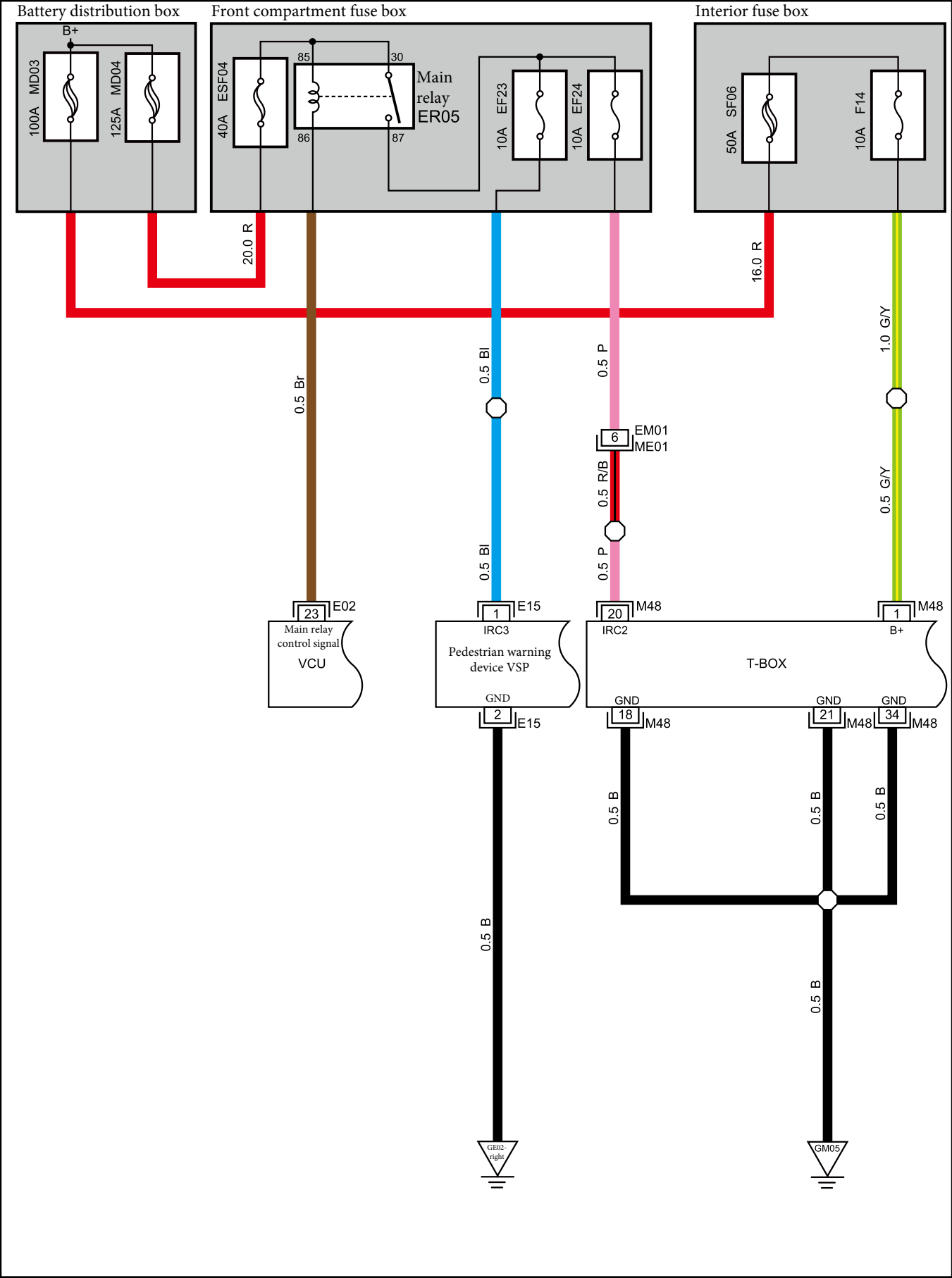
Harness connectors	Name	Page
E01	VCU	18
E02	VCU	18
E04	Integrated charging socket interface	18
EM01	Engine harness connected to main harness 1	18
EM02	Engine harness connected to main harness 2	18
EM03	Engine harness connected to main harness 3	18
GM02-2	Main harness GND 2	44
GM05	Main harness GND 5	44
M03	Charging communication controller EVCC	43
M20	BMS debugging CAN interface	42
M21	Diagnostic interface	42
M47	Power battery management module BMS	43
ME01	Main harness connected to engine harness 1	42
ME02	Main harness connected to engine harness 2	43
ME03	Main harness connected to engine harness 3	42

PCU



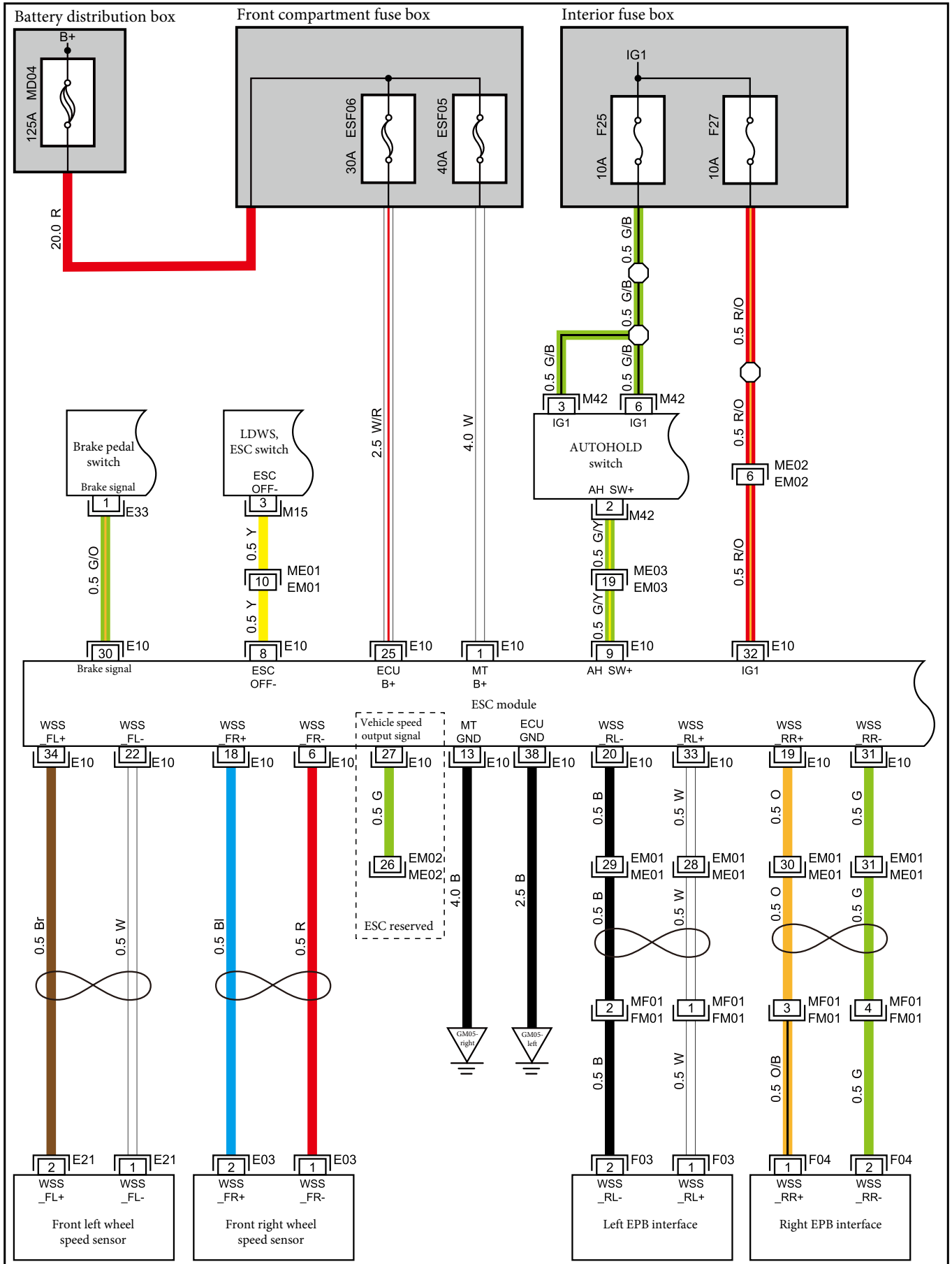
Harness connectors	Name	Page
E02	VCU	18
EM01	Engine harness connected to main harness 1	18
F01	PCU	85
FM01	Frame harness to main harness	85
GM02-1	Main harness GND 2	44
ME01	Main harness connected to engine harness 1	42
MF01	Main harness to frame harness	43

TBOX, pedestrian warning



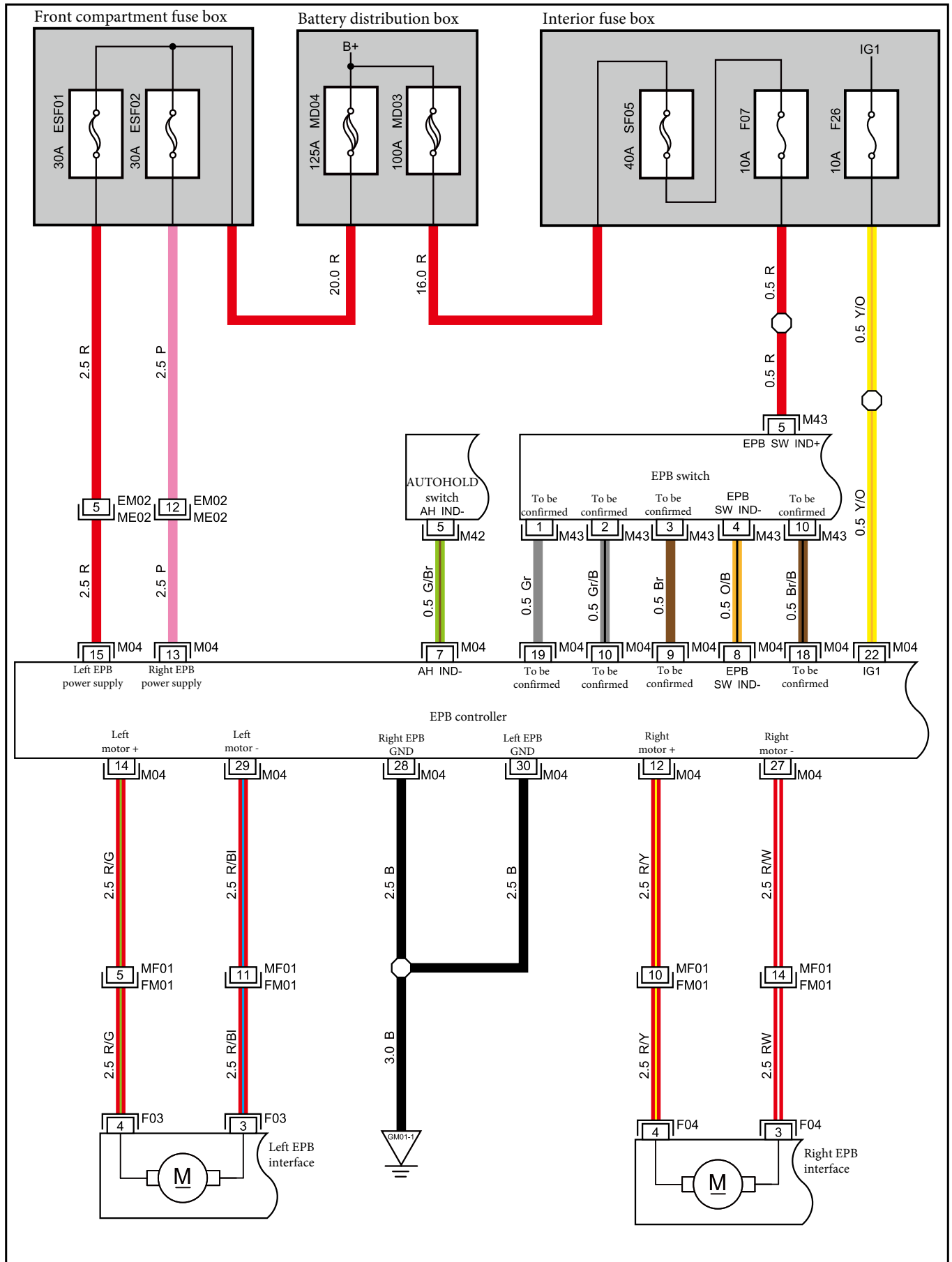
Harness connectors	Name	Page
E02	VCU	18
E15	Pedestrian warning device VSP	18
EM01	Engine harness connected to main harness 1	18
GE02-right	Engine harness GND 2	19
GM05	Main harness GND 5	44
M48	T-BOX	42
ME01	Main harness connected to engine harness 1	42

ESC



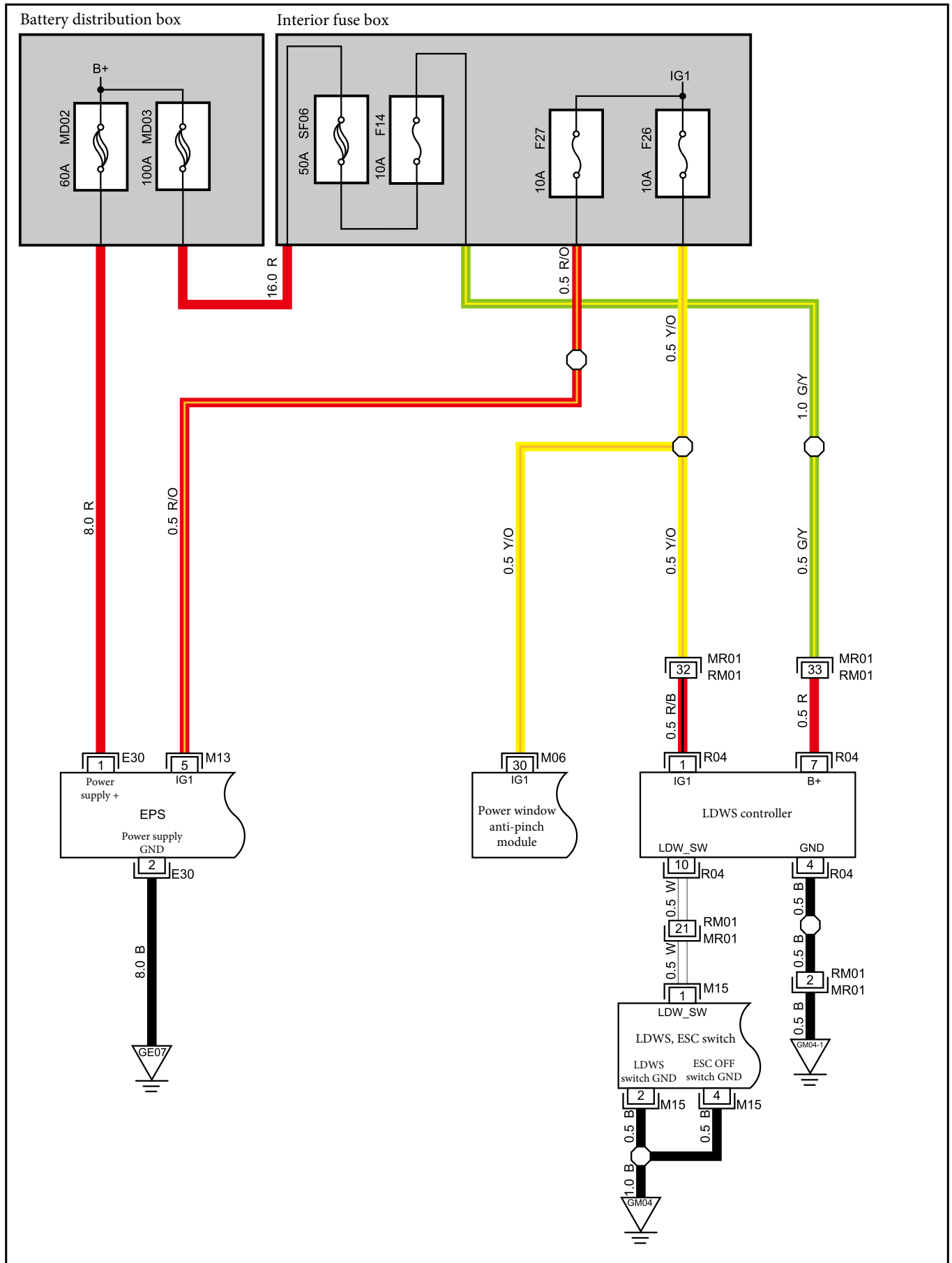
Harness connectors	Name	Page
E03	Front right wheel speed sensor	18
E10	ESC module	18
E21	Front left wheel speed sensor	18
E33	Brake pedal switch	18
EM01	Engine harness connected to main harness 1	18
EM02	Engine harness connected to main harness 2	18
EM03	Engine harness connected to main harness 3	18
F03	Left EPB interface	85
F04	Right EPB interface	85
FM01	Frame harness to main harness	85
GM05-Right	Main harness GND 5	44
GM05-Left	Main harness GND 5	44
M15	LDWS, ESC switch	43
M42	AUTOHOLD switch	43
ME01	Main harness connected to engine harness 1	42
ME02	Main harness connected to engine harness 2	43
ME03	Main harness connected to engine harness 3	42
MF01	Main harness to frame harness	43

EPB



Harness connectors	Name	Page
EM02	Engine harness connected to main harness 2	18
F03	Left EPB interface	85
F04	Right EPB interface	85
FM01	Frame harness to main harness	85
GM01-1	Main harness GND 1	44
M04	EPB controller	43
M42	AUTOHOLD switch	43
M43	EPB switch	43
ME02	Main harness connected to engine harness 2	43
MF01	Main harness to frame harness	43

EPS, LDWS

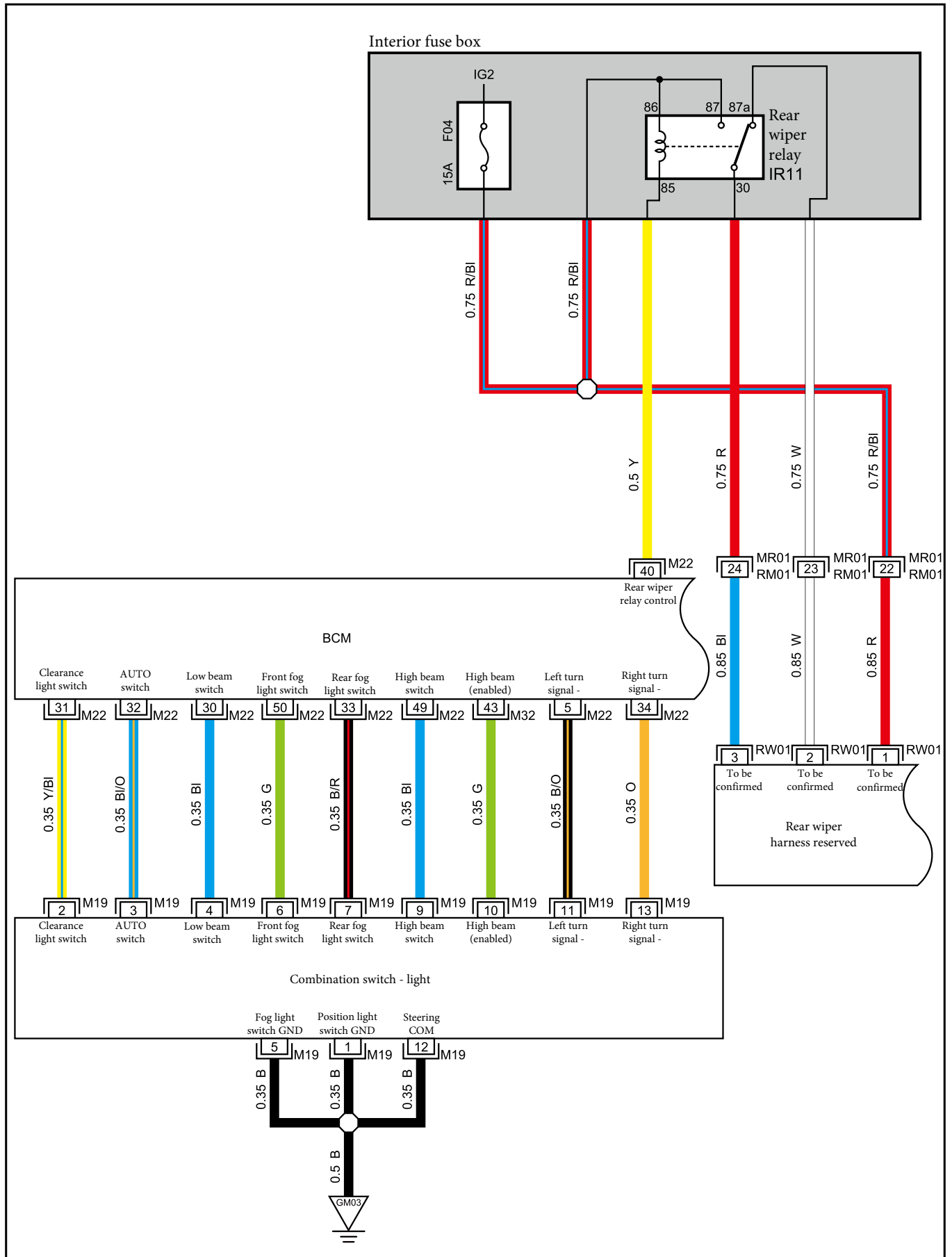


Harness connectors	Name	Page
E30	EPS power supply	18
GE07	EPS GND	19
GM04	Main harness GND 4	44
GM04-1	Main harness GND 4	44
M06	Power window anti-pinch module	43
M13	EPS module signal	42
M15	LDWS, ESC switch	43
MR01	Main harness connected to roof harness 1	43
R04	LDWS controller	72
RM01	Roof harness connected to main harness 1	72



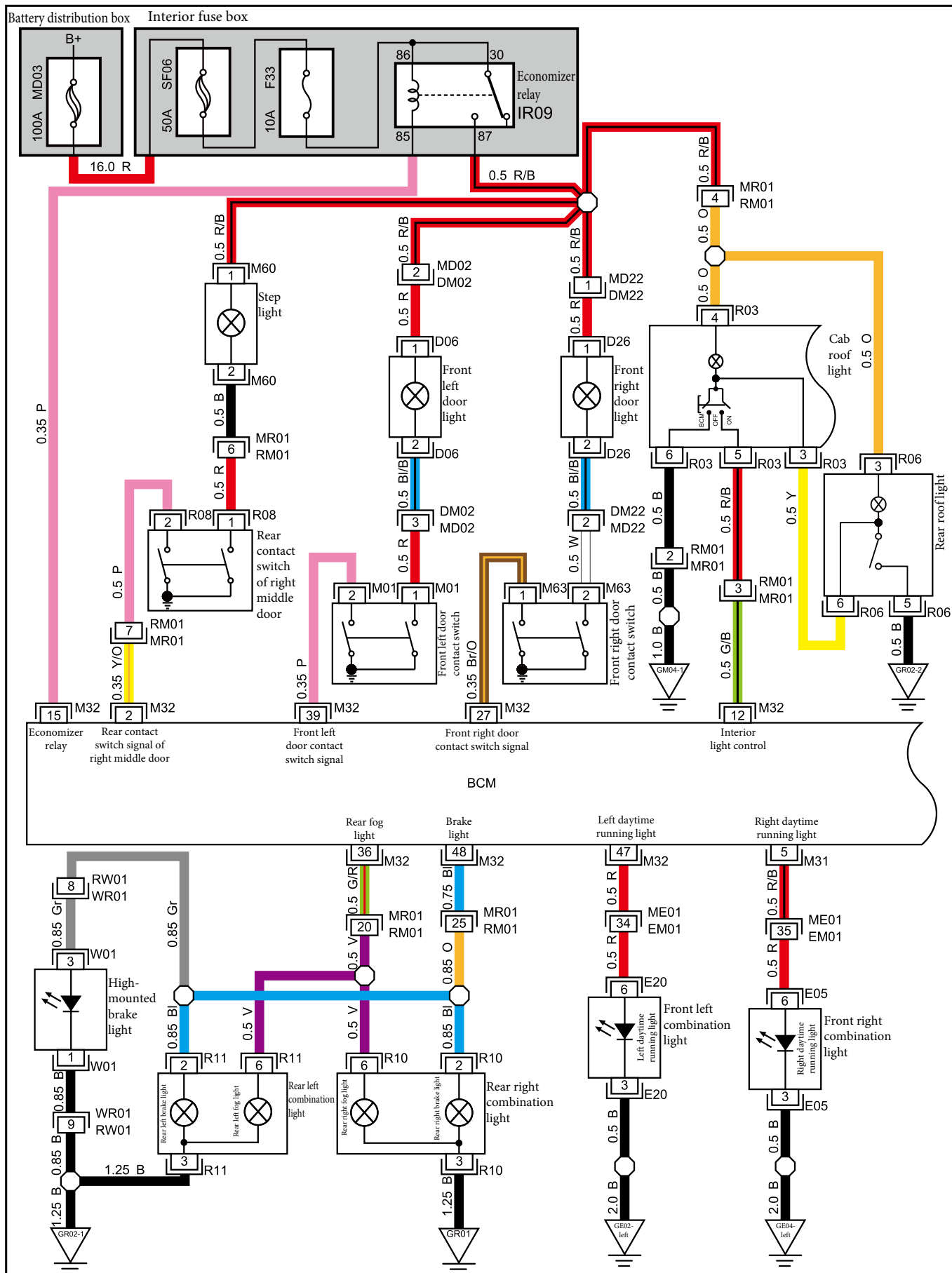
Harness connectors	Name	Page
E18	Front washer fluid reservoir motor	18
E27	Front wiper motor	18
EM01	Engine harness connected to main harness 1	18
EM02	Engine harness connected to main harness 2	18
GE01-Right	Engine harness GND 1	19
GM06	Main harness GND 6	44
M22	BCM	43
M27	Combination switch - wiper	42
M32	BCM	42
ME01	Main harness connected to engine harness 1	42
ME02	Main harness connected to engine harness 2	43
MR01	Main harness connected to roof harness 1	43
R14	Rear washer motor (reserved)	73
RM01	Roof harness connected to main harness 1	72

BCM-2 (Rear wiper and light control)



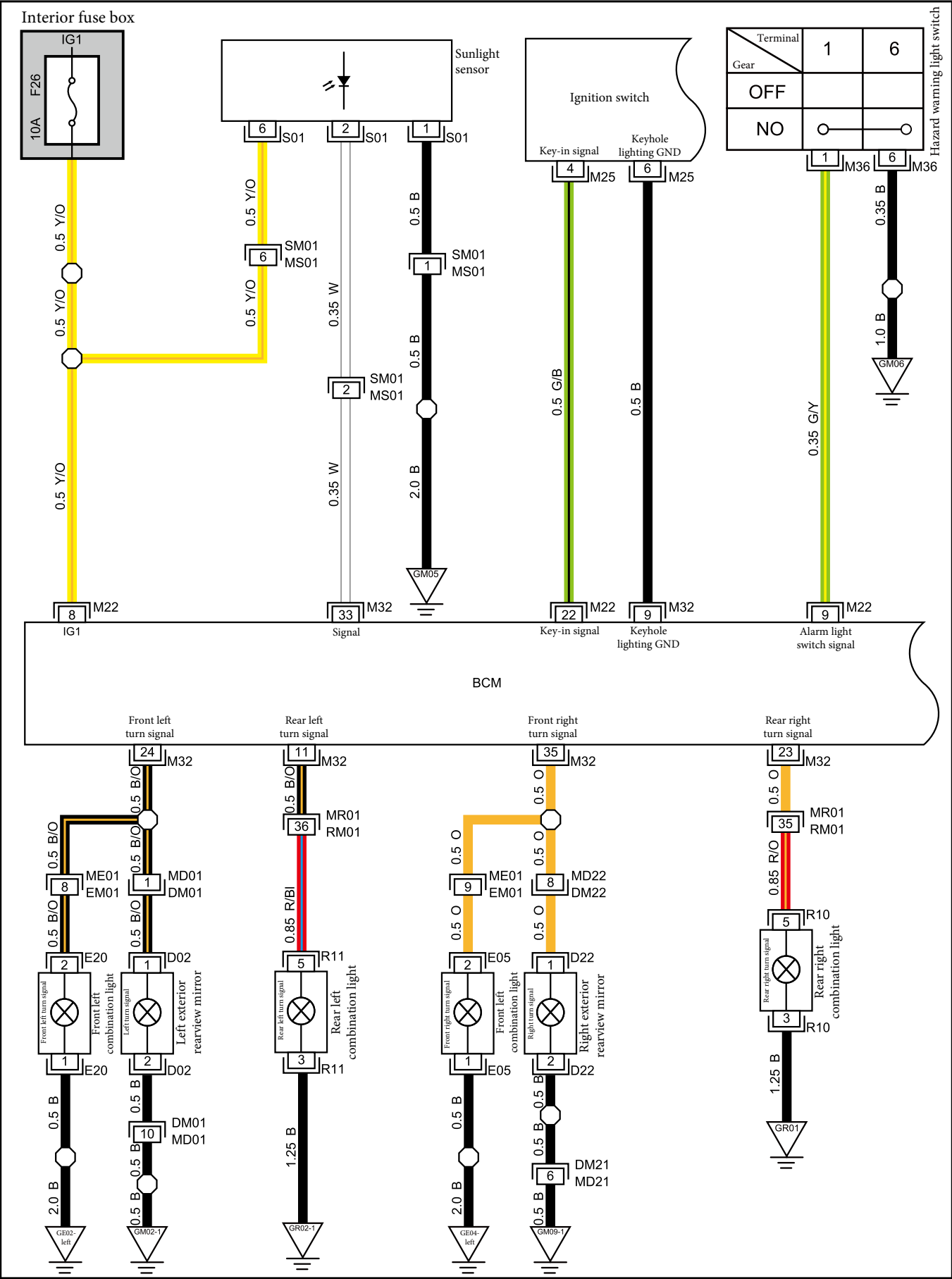
Harness connectors	Name	Page
GM03	Main harness GND 3	44
M19	Combination switch - light	43
M22	BCM	43
M32	BCM	42
MR01	Main harness connected to roof harness 1	43
RM01	Roof harness connected to main harness 1	72
RW01	Roof harness to liftgate extension harness 1	73

BCM-3 (Lighting)



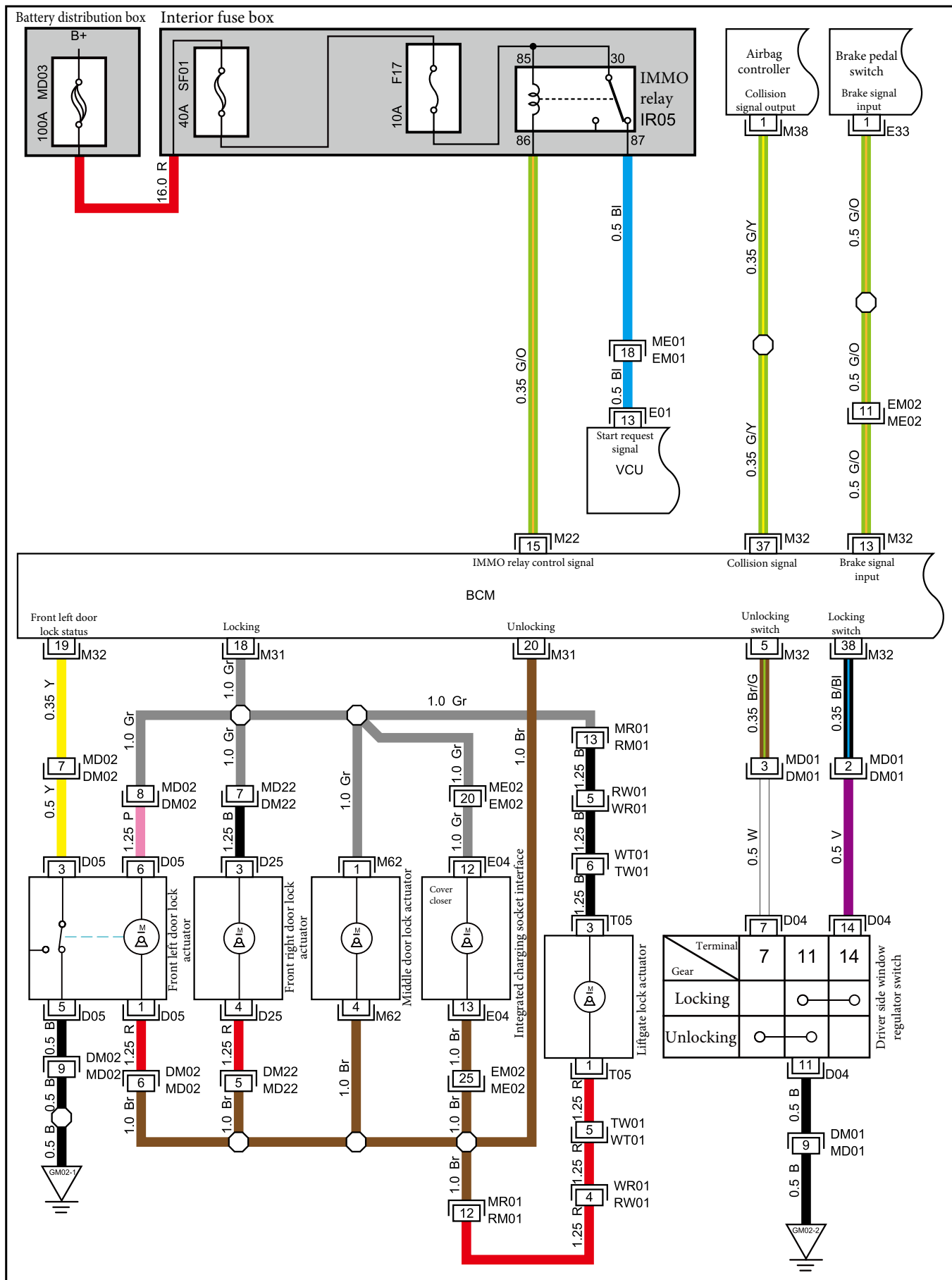
Harness connectors	Name	Page
D06	Front left door light	90
D26	Front right door light	89
DM02	Front left door harness to main harness 2	90
DM22	Front right door harness to main harness 2	89
E05	Front right combination light	18
E20	Front left combination light	18
EM01	Engine harness connected to main harness 1	18
GE02-Left	Engine harness GND 2	19
GE04-Left	Engine harness GND 4	19
GM04-1	Main harness GND 4	44
GR01	Roof harness GND 1	74
GR02-1	Roof harness GND 2	74
GR02-2	Roof harness GND 2	74
M01	Front left door contact switch	43
M31	BCM	42
M32	BCM	42
M60	Step light	43
M63	Front right door contact switch	43
MD02	Main harness to front left door harness 2	42
MD22	Main harness to front right door harness 2	42
ME01	Main harness connected to engine harness 1	42
MR01	Main harness connected to roof harness 1	43
R03	Cab roof light	72
R06	Rear roof light	72
R08	Rear contact switch of right middle door	73
R10	Rear right combination light	73
R11	Rear left combination light	73
RM01	Roof harness connected to main harness 1	72
RW01	Roof harness to liftgate extension harness 1	73
W01	High-mounted brake light	96
WR01	Liftgate extension harness to roof harness 1	96

BCM-4



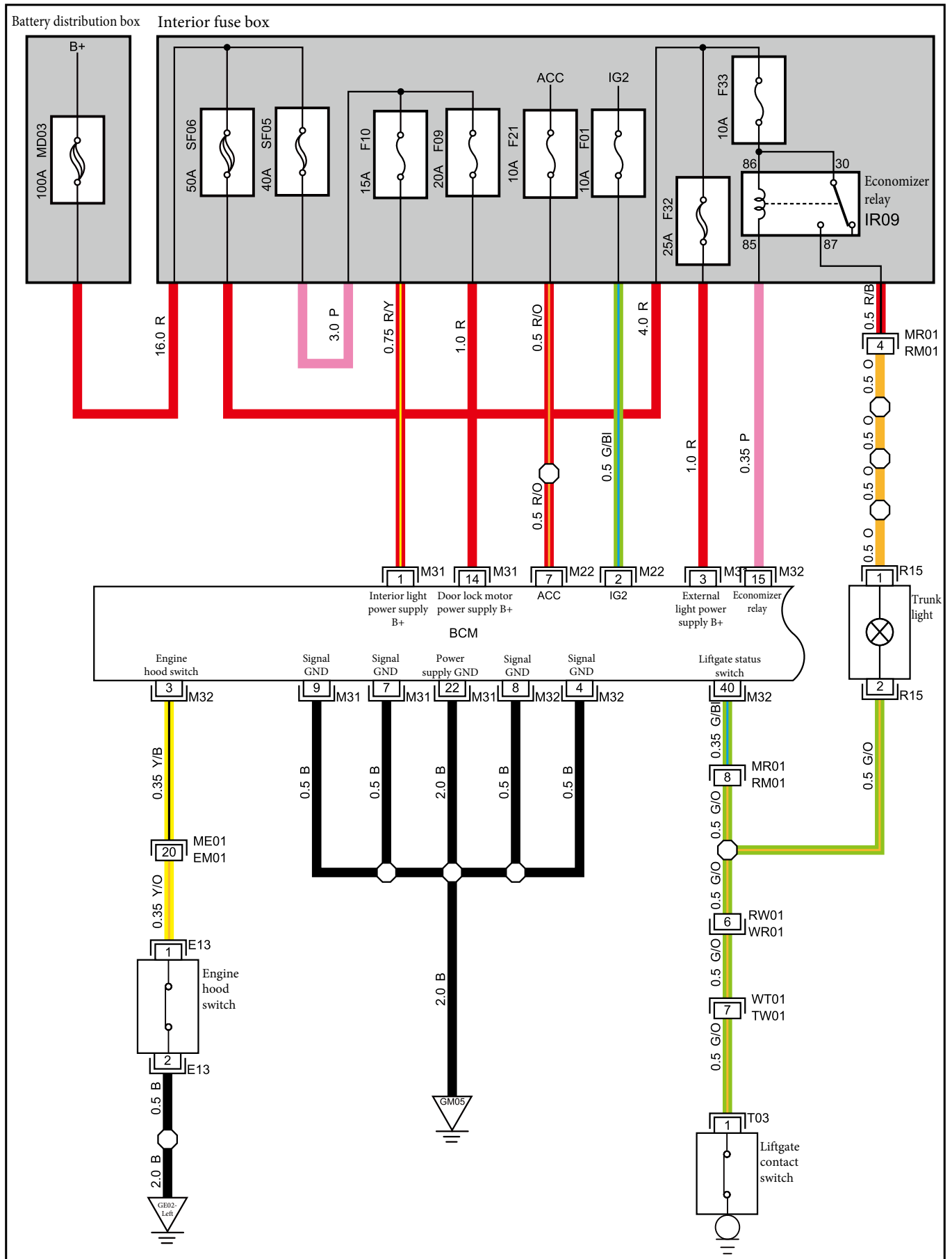
Harness connectors	Name	Page
D02	Left exterior rearview mirror actuator	90
D22	Right exterior rearview mirror actuator	89
DM01	Front left door harness to main harness 1	90
DM21	Front right door harness to main harness 1	89
DM22	Front right door harness to main harness 2	89
E05	Front right combination light	18
E20	Front left combination light	18
EM01	Engine harness connected to main harness 1	18
GE02-Left	Engine harness GND 2	19
GE04-Left	Engine harness GND 4	19
GM02-1	Main harness GND 2	44
GM05	Main harness GND 5	44
GM06	Main harness GND 6	44
GM09-1	Main harness GND 9	44
GR01	Roof harness GND 1	74
GR02-1	Roof harness GND 2	74
M22	BCM	43
M25	Ignition switch keyhole lighting	42
M32	BCM	42
M36	Hazard warning light switch	43
MD01	Main harness to front left door harness 1	42
MD21	Main harness to front right door harness 1	42
MD22	Main harness to front right door harness 2	42
ME01	Main harness connected to engine harness 1	42
MR01	Main harness connected to roof harness 1	43
MS01	Main harness to sunlight sensor harness	42
R10	Rear right combination light	73
R11	Rear left combination light	73
RM01	Roof harness connected to main harness 1	72
S01	Sunlight sensor	82
SM01	Sunlight sensor harness connected to main harness	82

BCM-5



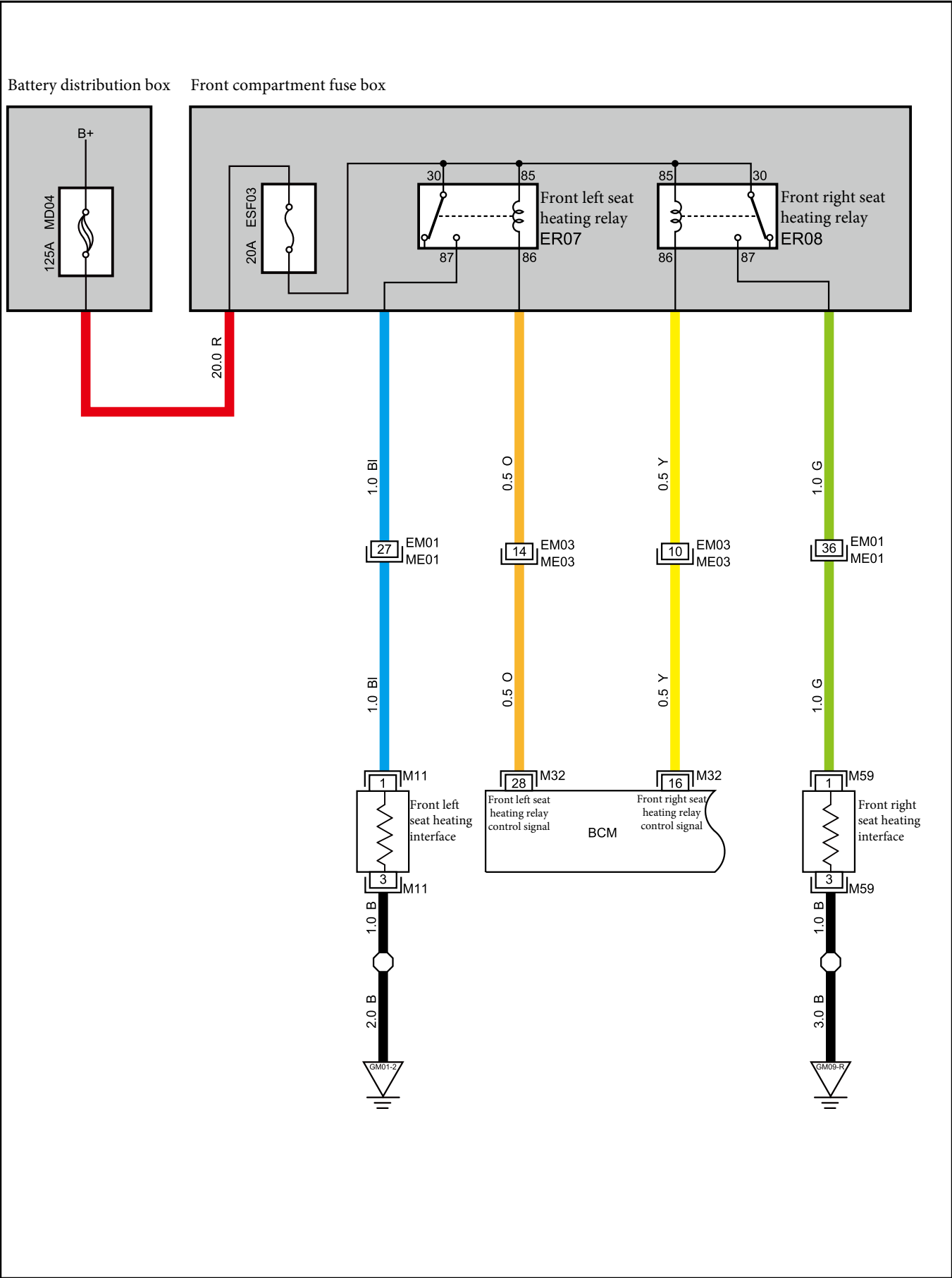
Harness connectors	Name	Page
D04	Driver side window regulator switch	90
D05	Front left door lock actuator	90
D25	Front right door lock actuator	89
DM01	Front left door harness to main harness 1	90
DM02	Front left door harness to main harness 2	90
DM22	Front right door harness to main harness 2	89
E01	VCU	18
E04	Integrated charging socket interface	18
E33	Brake pedal switch	18
EM01	Engine harness connected to main harness 1	18
EM02	Engine harness connected to main harness 2	18
GM02-1	Main harness GND 2	44
GM02-2	Main harness GND 2	44
M22	BCM	43
M31	BCM	42
M32	BCM	42
M38	Airbag controller	42
M62	Middle door lock	43
MD01	Main harness to front left door harness 1	42
MD02	Main harness to front left door harness 2	42
MD22	Main harness to front right door harness 2	42
ME01	Main harness connected to engine harness 1	42
ME02	Main harness connected to engine harness 2	43
MR01	Main harness connected to roof harness 1	43
RM01	Roof harness connected to main harness 1	72
RW01	Roof harness to liftgate extension harness 1	73
T05	Liftgate lock actuator	98
TW01	Liftgate harness to liftgate extension harness 1	98
WR01	Liftgate extension harness to roof harness 1	96
WT01	Liftgate extension harness to liftgate harness 1	96

BCM-6



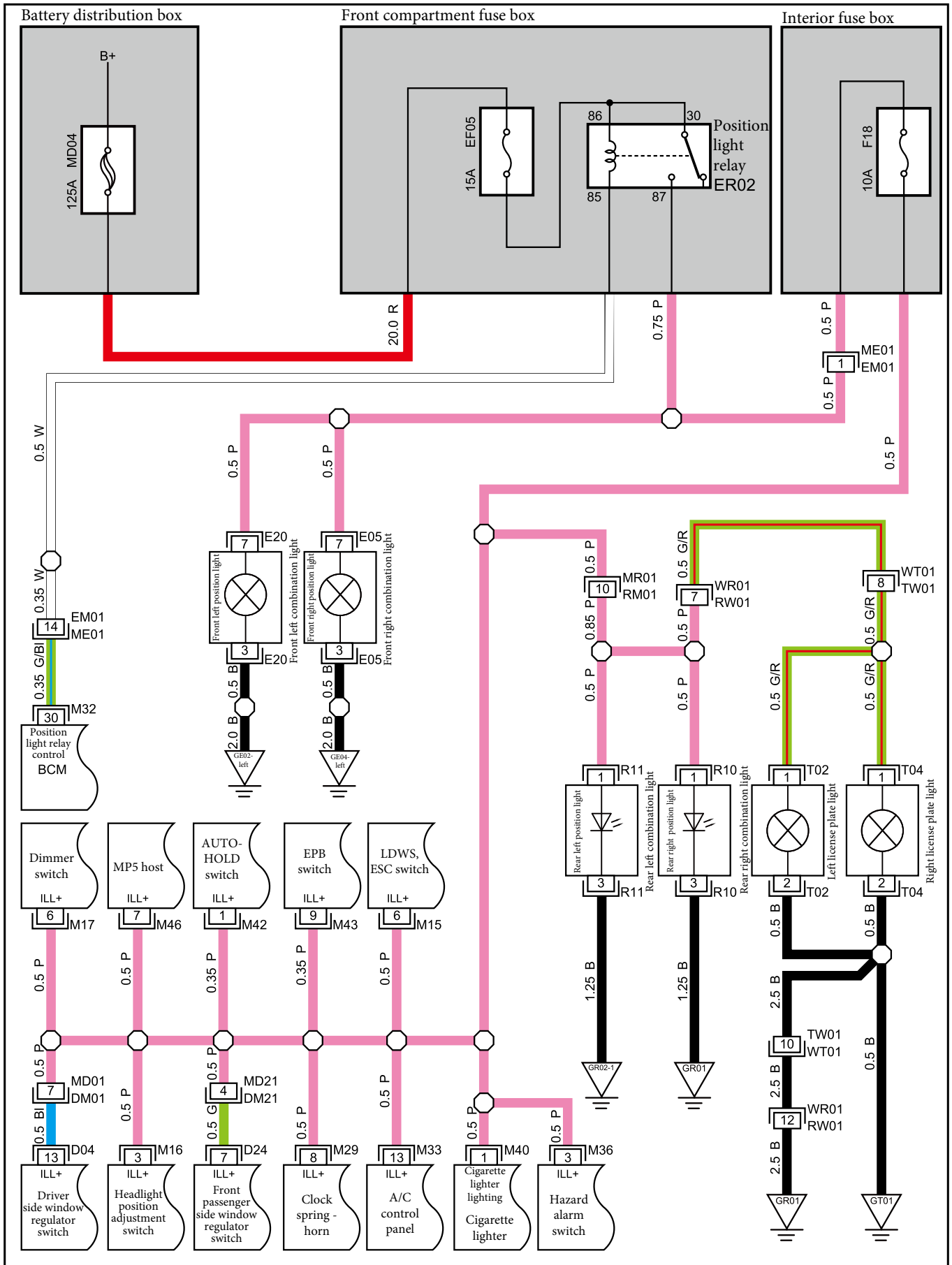
Harness connectors	Name	Page
E13	Engine hood switch	18
EM01	Engine harness connected to main harness 1	18
GE02-Left	Engine harness GND 2	19
GM05	Main harness GND 5	44
M22	BCM	43
M31	BCM	42
M32	BCM	42
ME01	Main harness connected to engine harness 1	42
MR01	Main harness connected to roof harness 1	43
R15	Trunk light	73
RM01	Roof harness connected to main harness 1	72
RW01	Roof harness to liftgate extension harness 1	73
T03	Liftgate contact switch	98
TW01	Liftgate harness to liftgate extension harness 1	98
WR01	Liftgate extension harness to roof harness 1	96
WT01	Liftgate extension harness to liftgate harness 1	96

BCM-7 (X6536 seat heating)



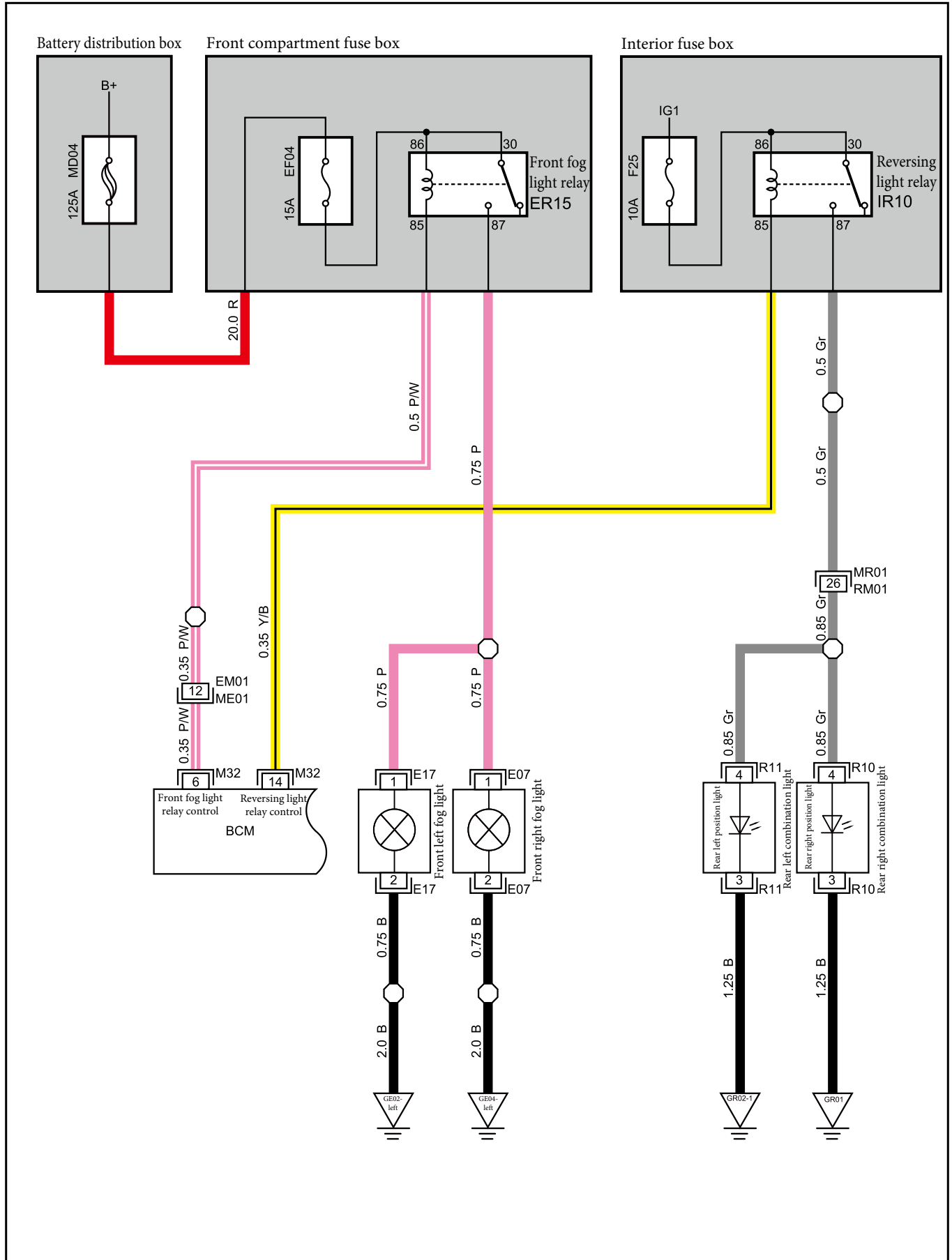
Harness connectors	Name	Page
EM01	Engine harness connected to main harness 1	18
EM03	Engine harness connected to main harness 3	18
GM01-2	Main harness GND 1	44
GM09-R	Main harness GND 9	44
M11	Front left seat heating interface	43
M32	BCM	42
M59	Front right seat heating interface	43
ME01	Main harness connected to engine harness 1	42
ME03	Main harness connected to engine harness 3	42

Lighting - 1 (position light)



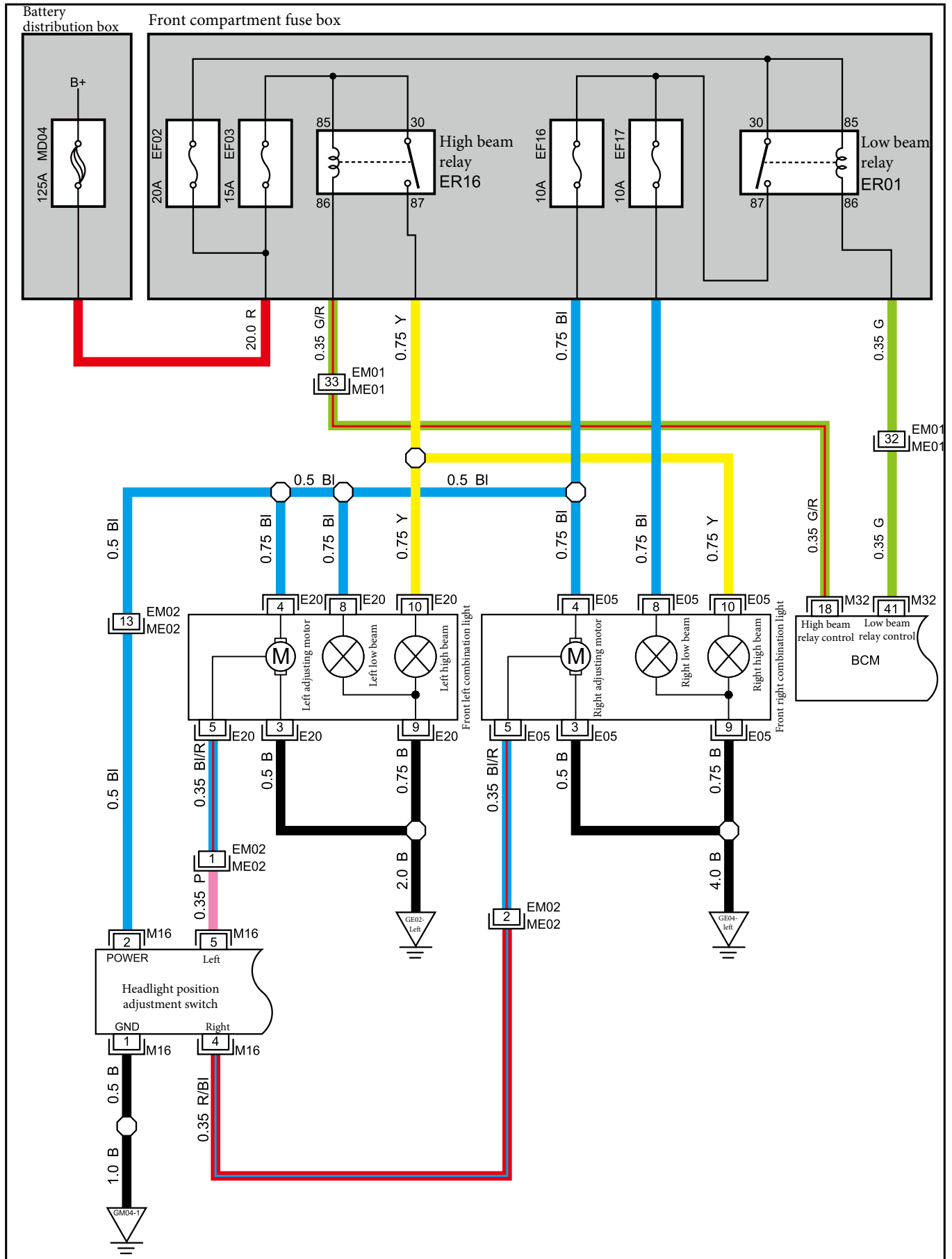
Harness connectors	Name	Page
D04	Driver side window regulator switch	90
D24	Front passenger side window regulator switch	89
DM01	Front left door harness to main harness 1	90
DM21	Front right door harness to main harness 1	89
E05	Front right combination light	18
E20	Front left combination light	18
EM01	Engine harness connected to main harness 1	18
GE02-Left	Engine harness GND 2	19
GE04-Left	Engine harness GND 4	19
GR01	Roof harness GND 1	74
GR01	Roof harness GND 1	74
GR02-1	Roof harness GND 2	74
GT01	Liftgate harness GND	97
M15	LDWS, ESC switch	43
M16	Headlight position adjustment switch	43
M17	Dimmer switch	43
M29	Clock spring _ horn	43
M32	BCM	42
M33	A/C control panel	43
M36	Hazard warning light switch	43
M40	Cigarette lighter lighting	43
M42	AUTOHOLD switch	43
M43	EPB switch	43
M46	MP5 host	42
MD01	Main harness to front left door harness 1	42
MD21	Main harness to front right door harness 1	42
ME01	Main harness connected to engine harness 1	42
MR01	Main harness connected to roof harness 1	43
R10	Rear right combination light	73
R11	Rear left combination light	73
RM01	Roof harness connected to main harness 1	72
RW01	Roof harness to liftgate extension harness 1	73
T02	Left license plate light	98
T04	Right license plate light	98
TW01	Liftgate harness to liftgate extension harness 1	98
WR01	Liftgate extension harness to roof harness 1	96
WT01	Liftgate extension harness to liftgate harness 1	96

Lighting - 2 (Front fog light and reversing light)



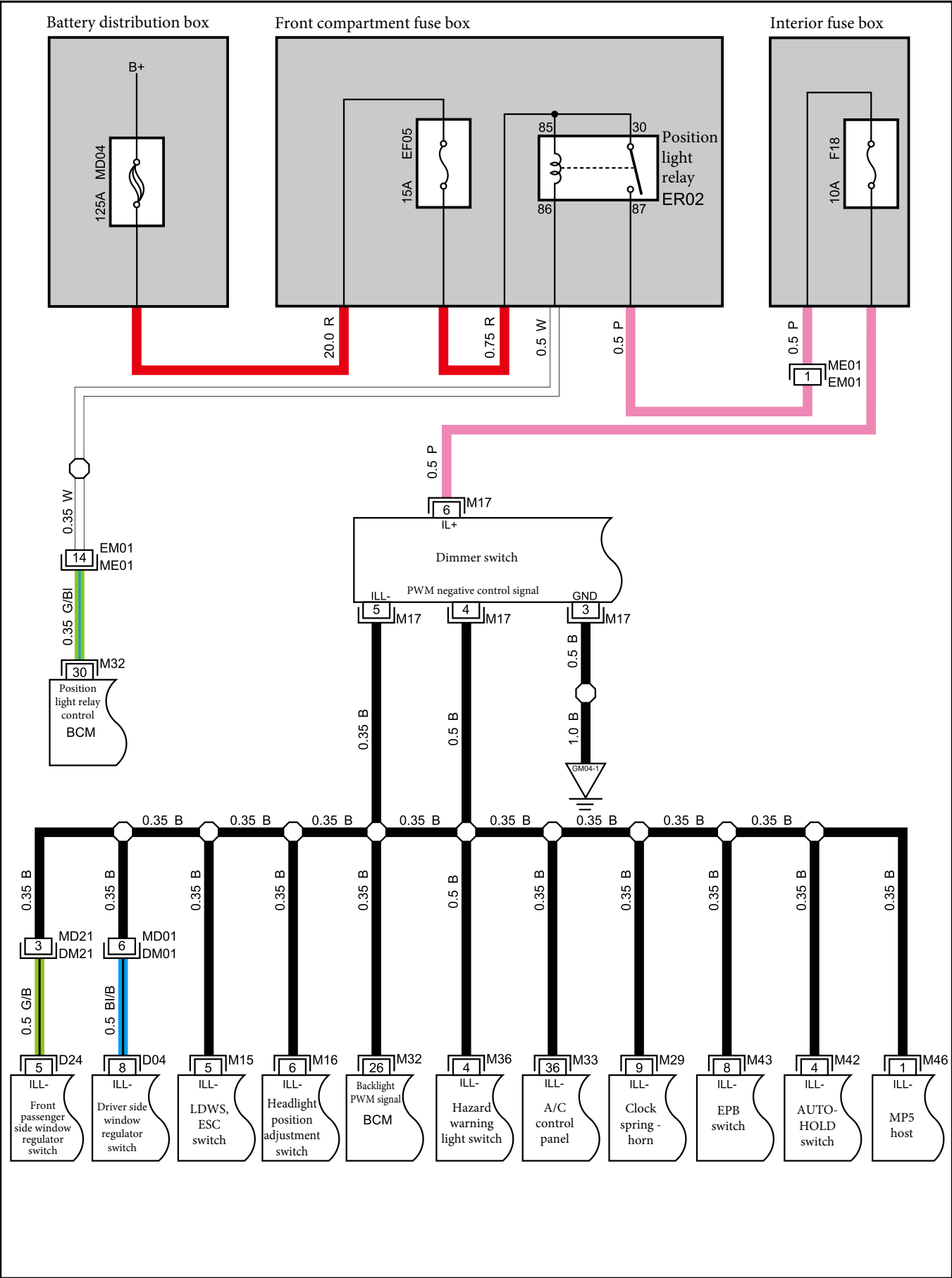
Harness connectors	Name	Page
E07	Front right fog light	18
E17	Front left fog light	18
EM01	Engine harness connected to main harness 1	18
GE02-Left	Engine harness GND 2	19
GE04-Left	Engine harness GND 4	19
GR01	Roof harness GND 1	74
GR02-1	Roof harness GND 2	74
M32	BCM	42
ME01	Main harness connected to engine harness 1	42
MR01	Main harness connected to roof harness 1	43
R10	Rear right combination light	73
R11	Rear left combination light	73
RM01	Roof harness connected to main harness 1	72

Lighting - 3 (Headlight)



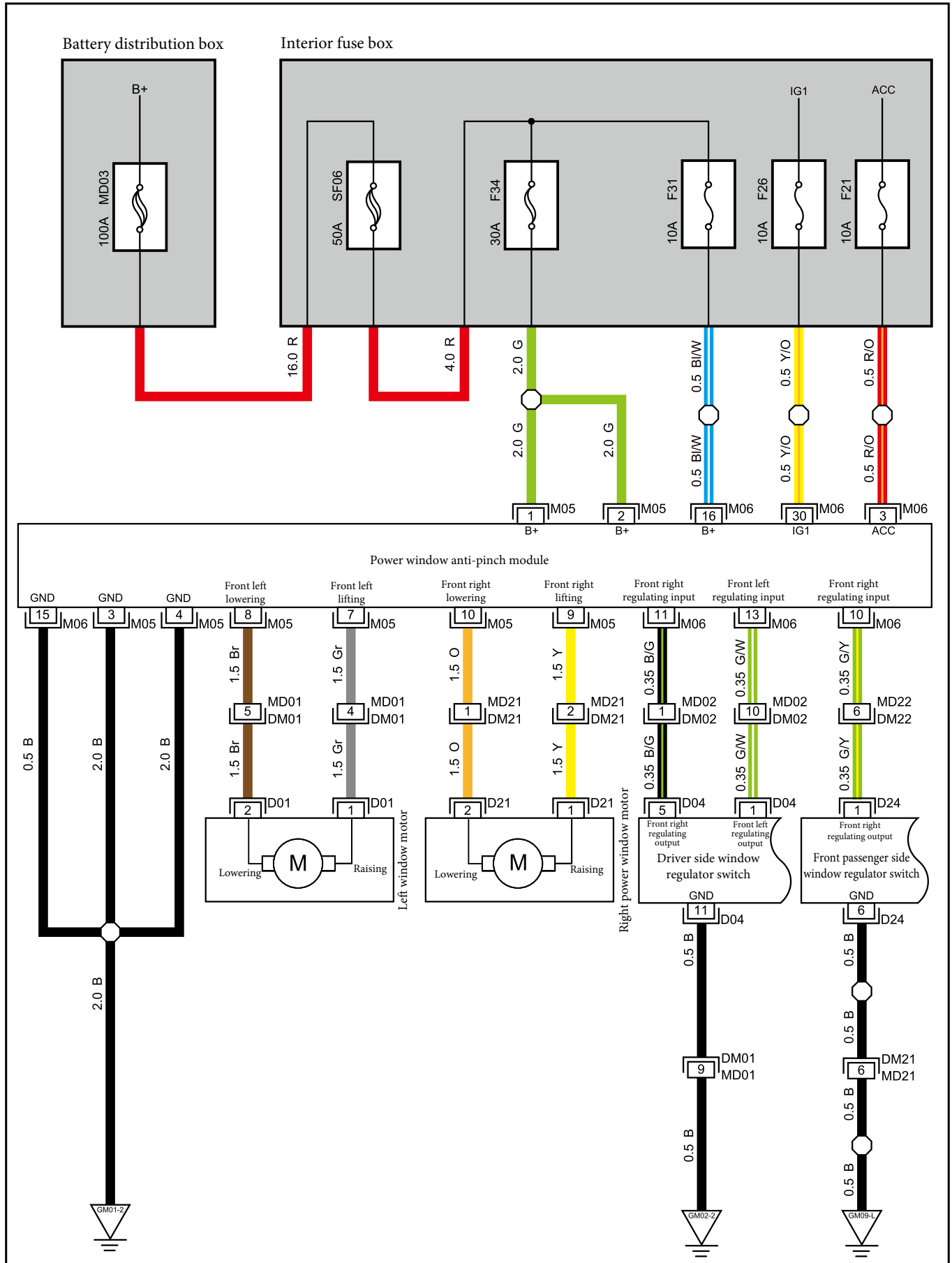
Harness connectors	Name	Page
E05	Front right combination light	18
E20	Front left combination light	18
EM01	Engine harness connected to main harness 1	18
EM02	Engine harness connected to main harness 2	18
GE02-Left	Engine harness GND 2	19
GE04-Left	Engine harness GND 4	19
GM04-1	Main harness GND 4	44
M16	Headlight position adjustment switch	43
M32	BCM	42
ME01	Main harness connected to engine harness 1	42
ME02	Main harness connected to engine harness 2	43

Lighting - 4 (Dimmer)



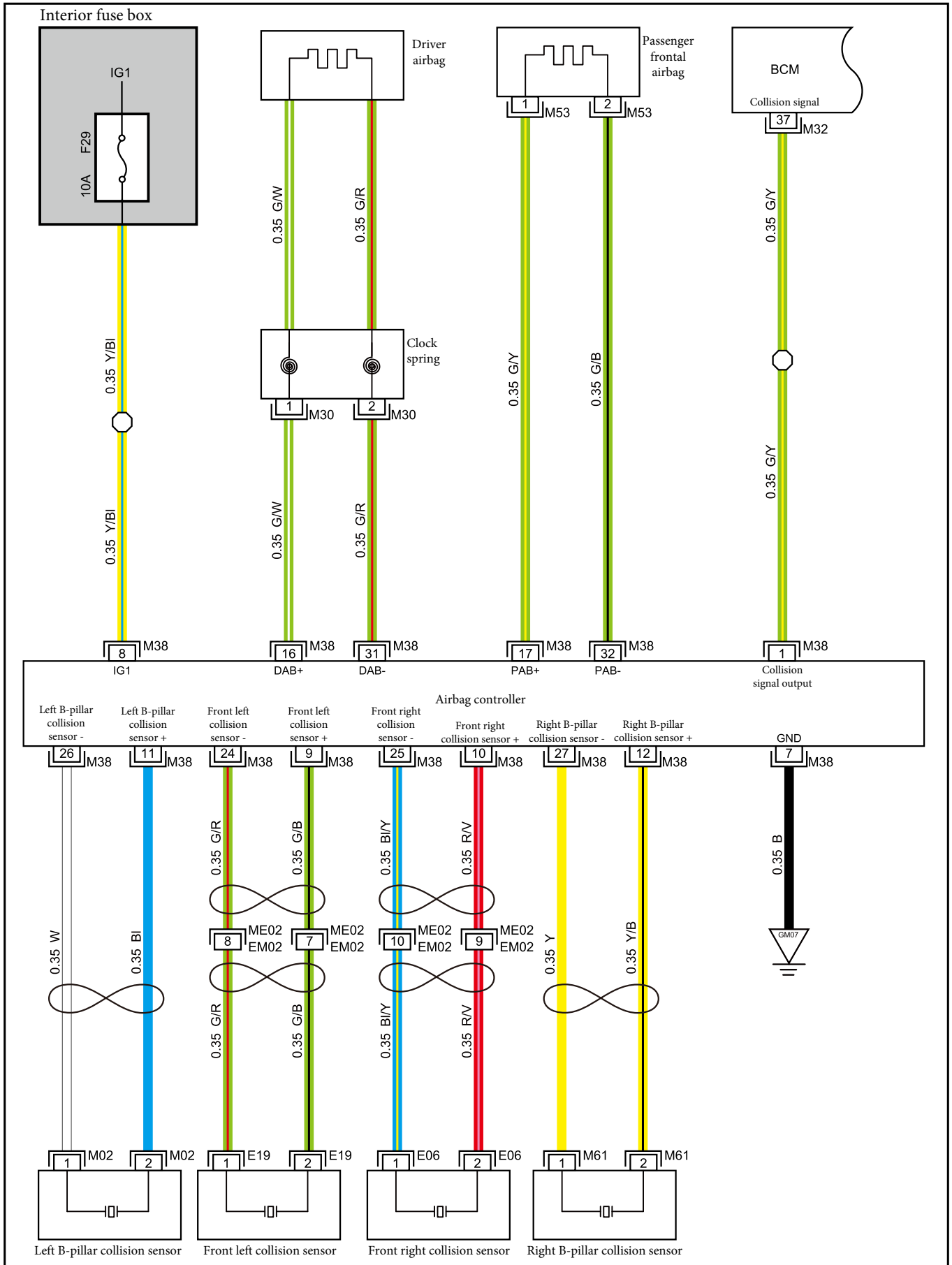
Harness connectors	Name	Page
D04	Driver side window regulator switch	90
D24	Front passenger side window regulator switch	89
DM01	Front left door harness to main harness 1	90
DM21	Front right door harness to main harness 1	89
EM01	Engine harness connected to main harness 1	18
GM04-1	Main harness GND 4	44
M15	LDWS, ESC switch	43
M16	Headlight position adjustment switch	43
M17	Dimmer switch	43
M29	Clock spring _ horn	43
M32	BCM	42
M33	A/C control panel	43
M36	Hazard warning light switch	43
M42	AUTOHOLD switch	43
M43	EPB switch	43
M46	MP5 host	42
MD01	Main harness to front left door harness 1	42
MD21	Main harness to front right door harness 1	42
ME01	Main harness connected to engine harness 1	42

Electric window regulator



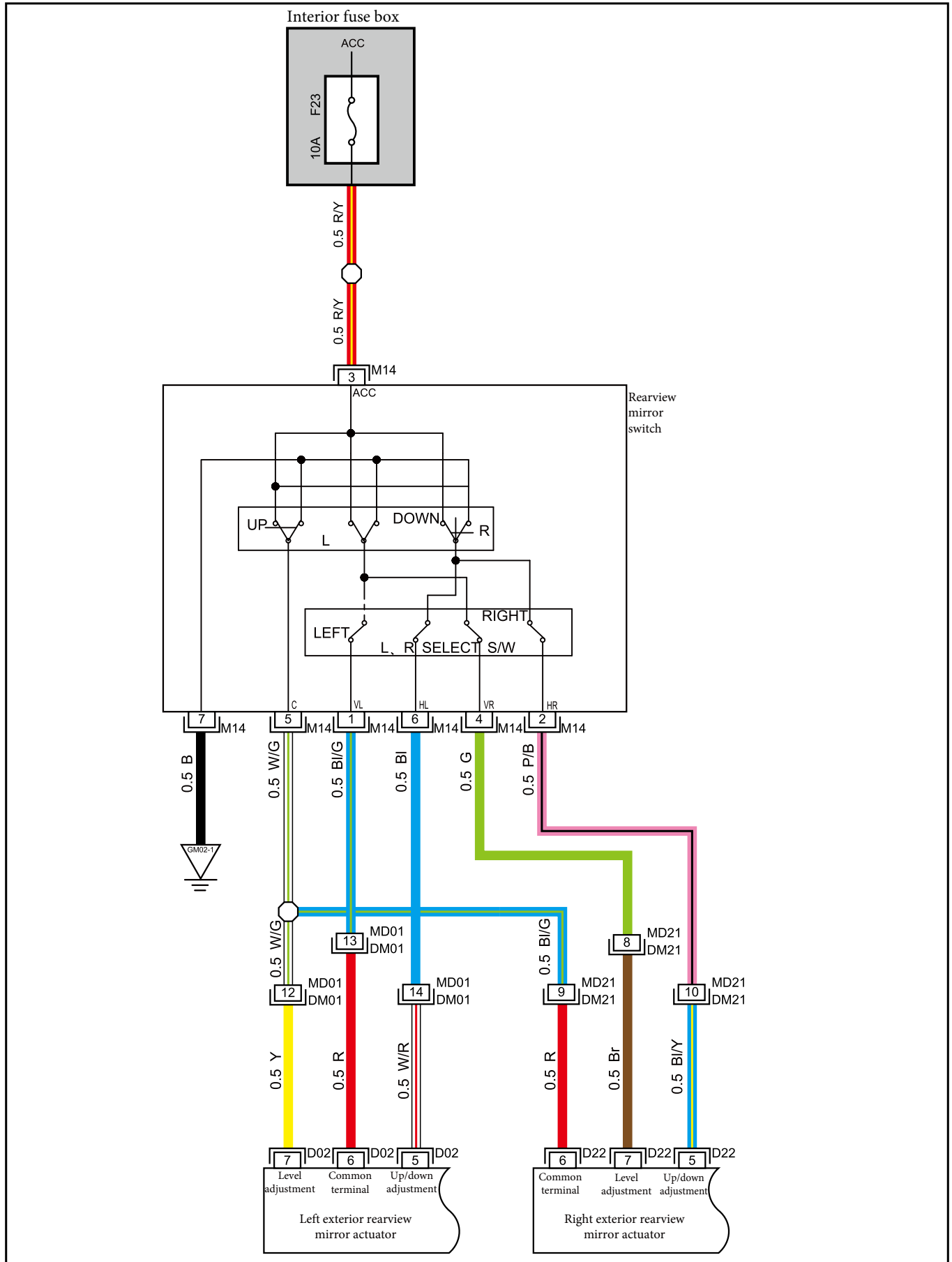
Harness connectors	Name	Page
D01	Left window motor	90
D04	Driver side window regulator switch	90
D21	Right window glass motor	89
D24	Front passenger side window regulator switch	89
DM01	Front left door harness to main harness 1	90
DM02	Front left door harness to main harness 2	90
DM21	Front right door harness to main harness 1	89
DM22	Front right door harness to main harness 2	89
GM01-2	Main harness GND 1	44
GM02-2	Main harness GND 2	44
GM09-L	Main harness GND 9	44
M05	Power window anti-pinch module	43
M06	Power window anti-pinch module	43
MD01	Main harness to front left door harness 1	42
MD02	Main harness to front left door harness 2	42
MD21	Main harness to front right door harness 1	42
MD22	Main harness to front right door harness 2	42

Airbag



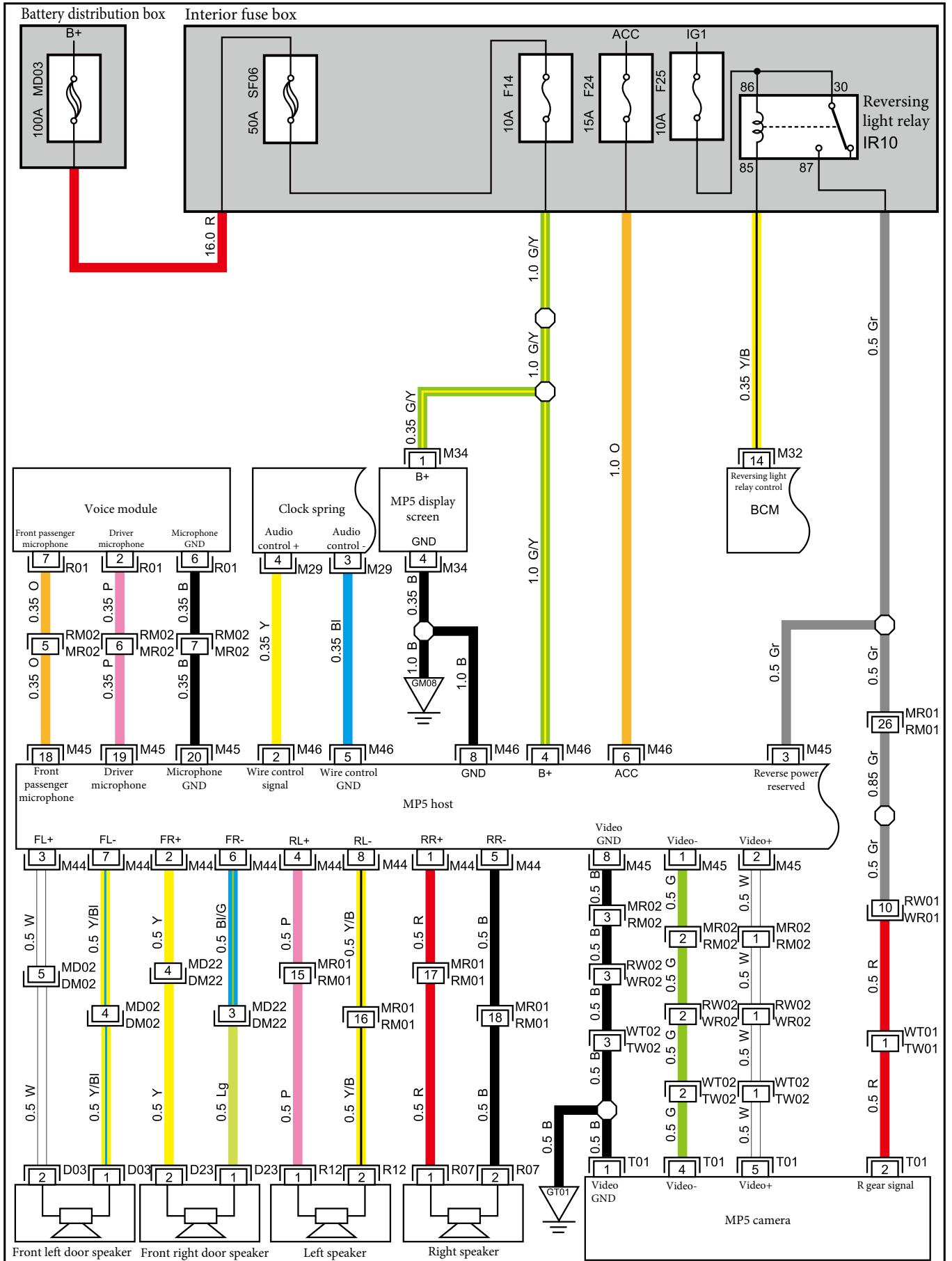
Harness connectors	Name	Page
E06	Front right collision sensor	18
E19	Front left collision sensor	18
EM02	Engine harness connected to main harness 2	18
GM07	Main harness GND 7	44
M02	Left B-pillar collision sensor	43
M30	Clock spring_airbag	43
M32	BCM	42
M38	Airbag controller	42
M53	Passenger frontal airbag	42
M61	Right B-pillar collision sensor	43
ME02	Main harness connected to engine harness 2	43

Electric rearview mirror



Harness connectors	Name	Page
D02	Left exterior rearview mirror actuator	90
D22	Right exterior rearview mirror actuator	89
DM01	Front left door harness to main harness 1	90
DM21	Front right door harness to main harness 1	89
GM02-1	Main harness GND 2	44
M14	Rearview mirror switch	43
MD01	Main harness to front left door harness 1	42
MD21	Main harness to front right door harness 1	42

MP5

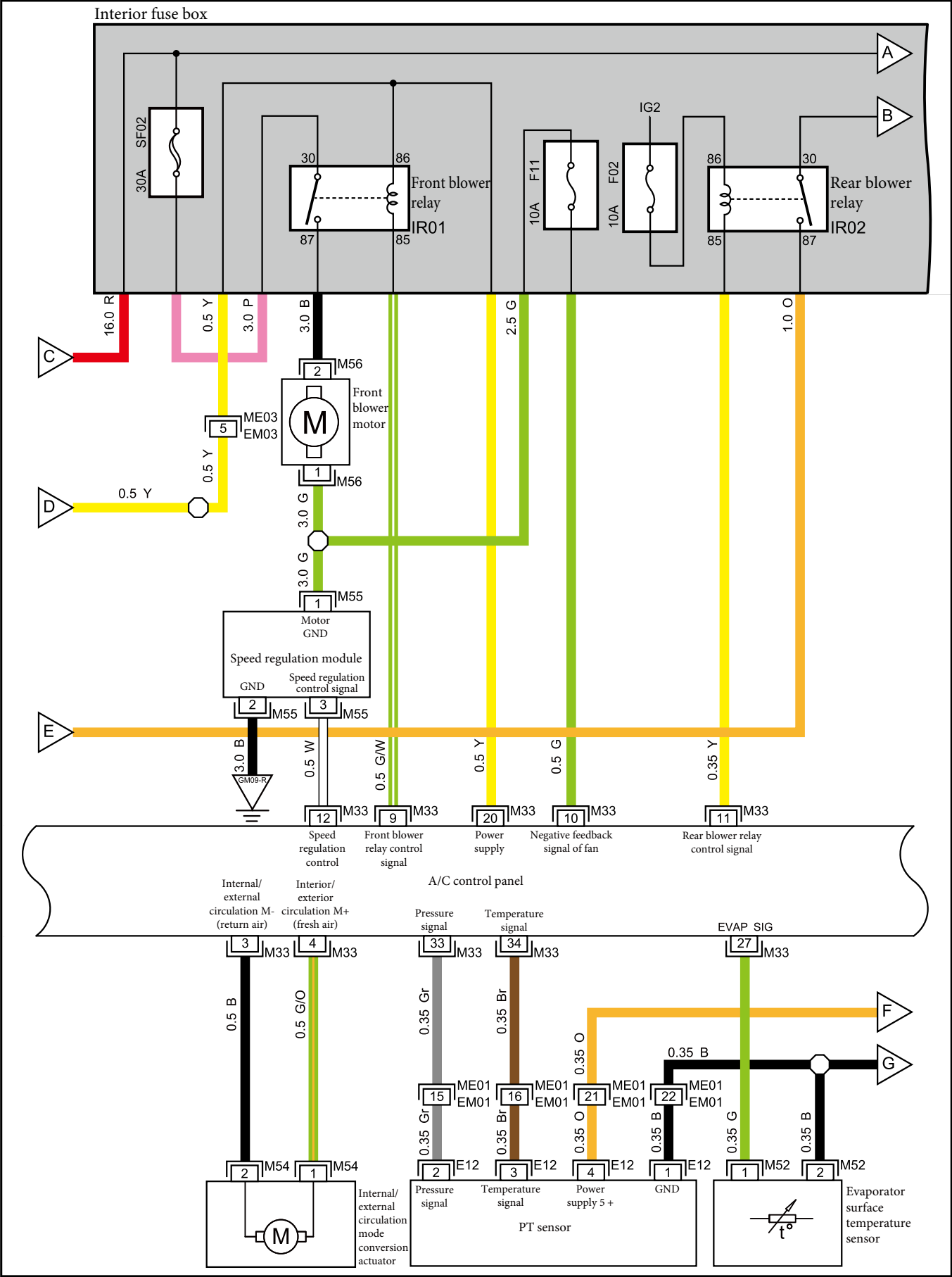


Harness connectors	Name	Page
D03	Front left door speaker	90
D23	Front right door speaker	89
DM02	Front left door harness to main harness 2	90
DM22	Front right door harness to main harness 2	89
GM08	Main harness GND 8	44
GT01	Liftgate harness GND	97
M29	Clock spring _ horn	43
M32	BCM	42
M34	MP5 display screen	43
M44	MP5 host	42
M45	MP5 host	42
M46	MP5 host	42
MD02	Main harness to front left door harness 2	42
MD22	Main harness to front right door harness 2	42
MR01	Main harness connected to roof harness 1	43
MR02	Main harness connected to roof harness 2	42
R01	Voice module	72
R07	Right speaker	73
R12	Left speaker	73
RM01	Roof harness connected to main harness 1	72
RM02	Roof harness connected to main harness 2	72
RW01	Roof harness to liftgate extension harness 1	73
RW02	Roof harness to liftgate extension harness 2	73
T01	MP5 camera	98
TW01	Liftgate harness to liftgate extension harness 1	98
TW02	Liftgate harness to liftgate extension harness 2	98
WR01	Liftgate extension harness to roof harness 1	96
WR02	Liftgate extension harness to roof harness 2	96
WT01	Liftgate extension harness to liftgate harness 1	96
WT02	Liftgate extension harness to liftgate harness 2	96



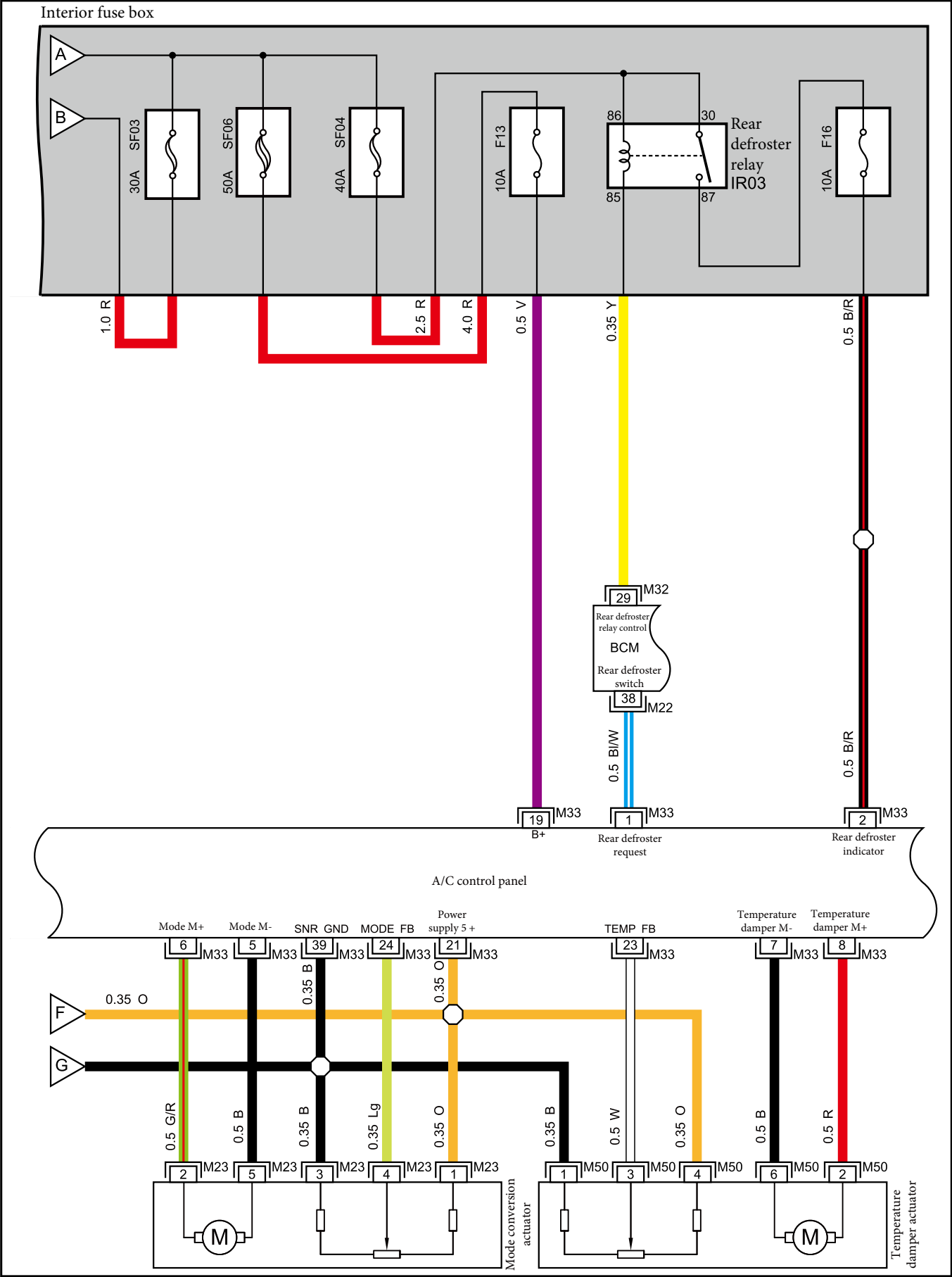
Harness connectors	Name	Page
E02	VCU	18
E14	Exterior temperature sensor	18
EM01	Engine harness connected to main harness 1	18
GE05	Engine harness GND 5	19
GM01-2	Main harness GND 1	44
GR01	Roof harness GND 1	74
M07	Rear blower switch	43
M09	Rear fan motor	43
M17	Dimmer switch	43
M33	A/C control panel	43
M35	PTC interface	42
ME01	Main harness connected to engine harness 1	42
MR01	Main harness connected to roof harness 1	43
R05	Top A/C blower	72
RM01	Roof harness connected to main harness 1	72

A/C system 2



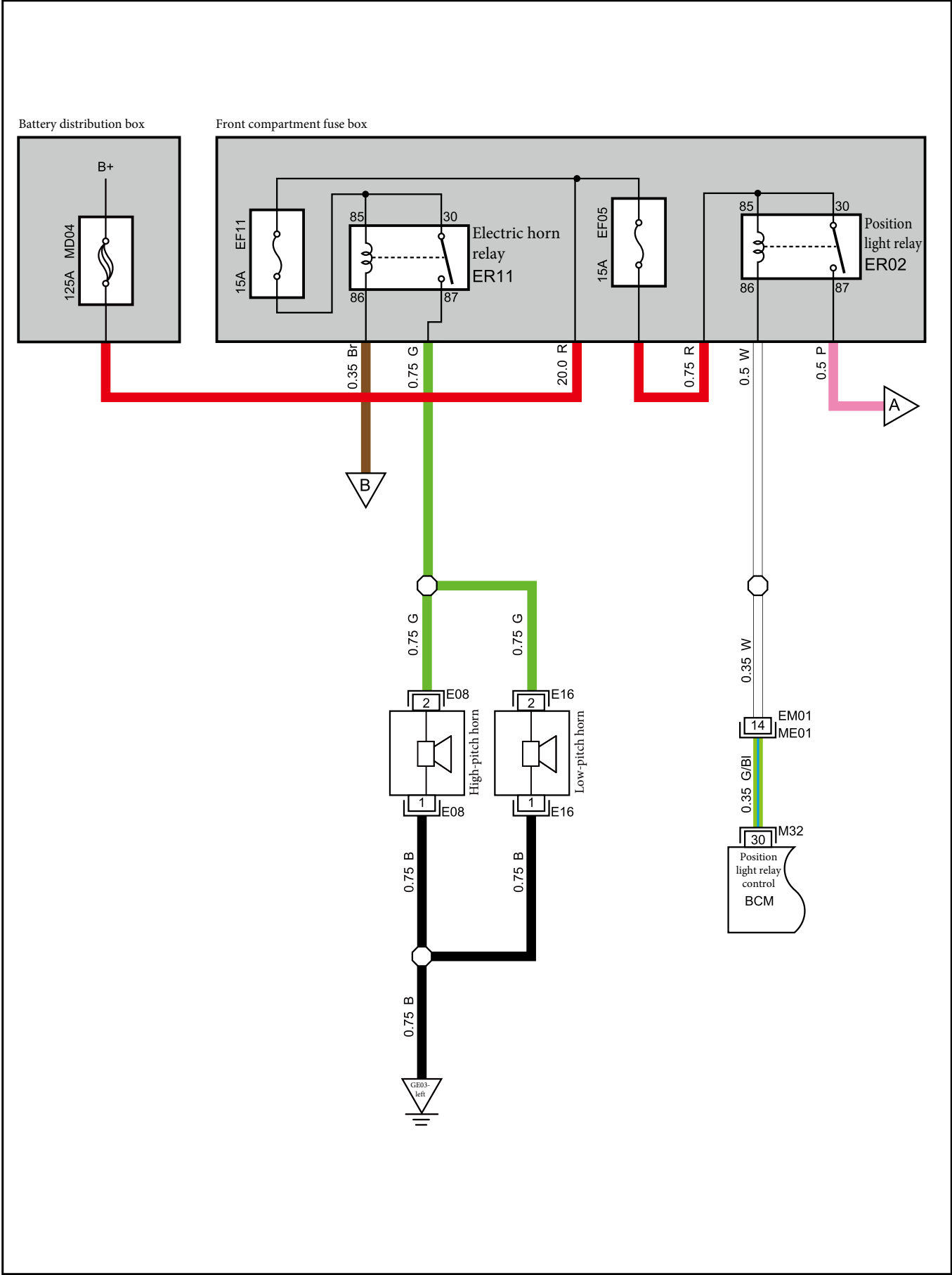
Harness connectors	Name	Page
E12	PT sensor	18
EM01	Engine harness connected to main harness 1	18
EM03	Engine harness connected to main harness 3	18
GM09-R	Main harness GND 9	44
M33	A/C control panel	43
M52	Evaporator surface temperature sensor	43
M54	Internal/external circulation actuator	43
M55	Speed regulation module	42
M56	Blower motor	42
ME01	Main harness connected to engine harness 1	42
ME03	Main harness connected to engine harness 3	42

A/C system 3



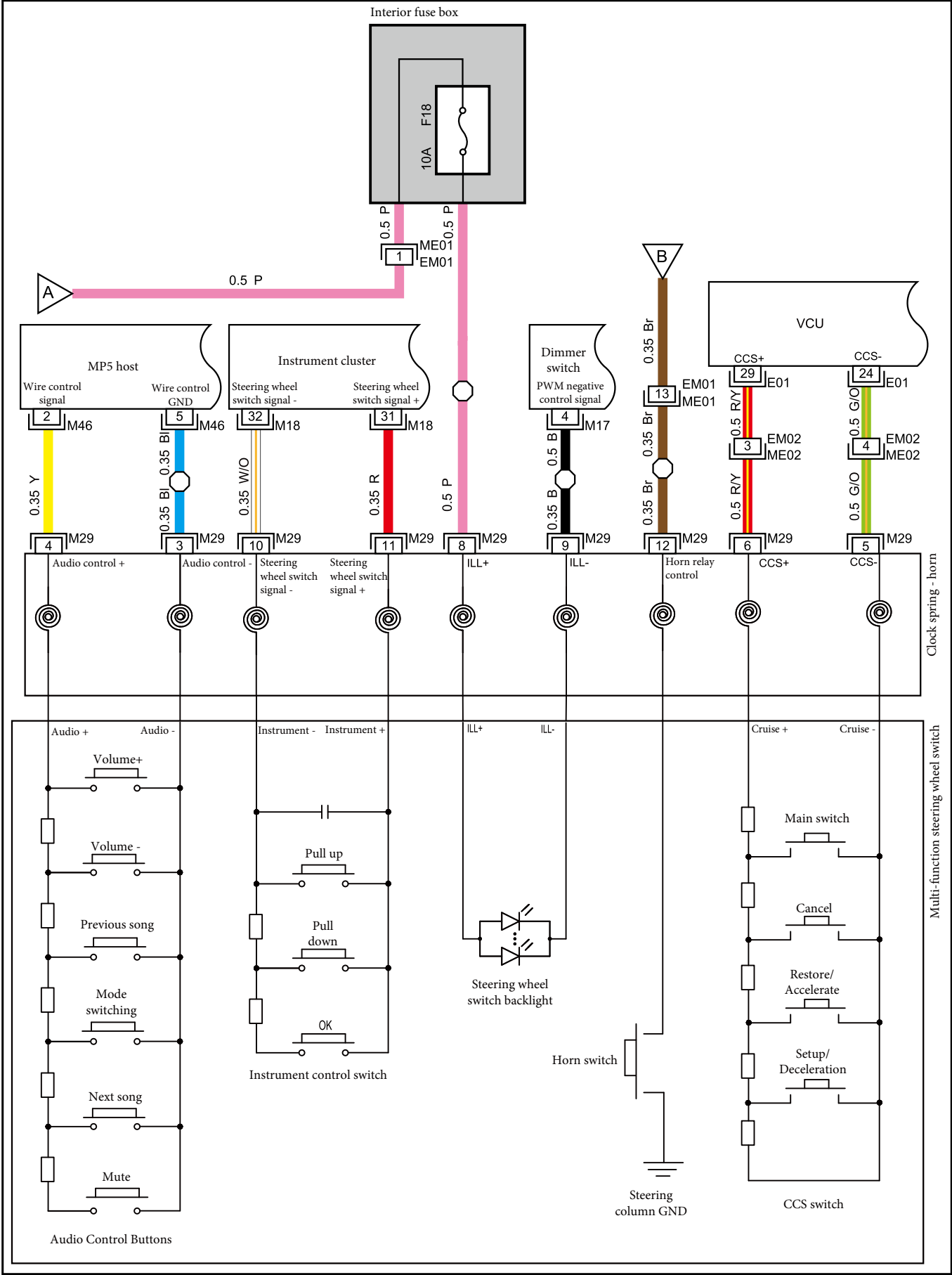
Harness connectors	Name	Page
M22	BCM	43
M23	Mode conversion actuator	43
M32	BCM	42
M33	A/C control panel	43
M50	Temperature damper actuator	43

Clock spring 1



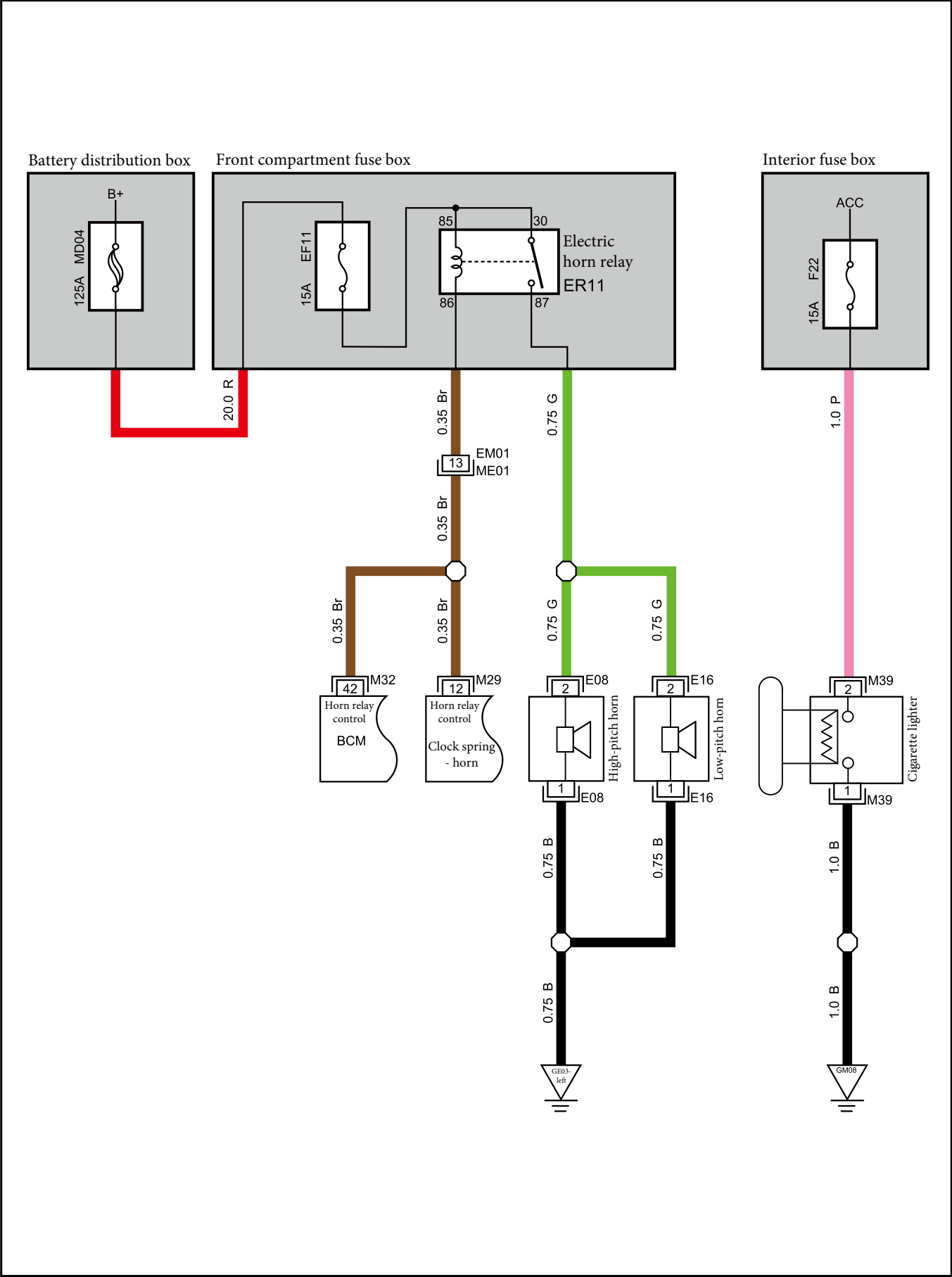
Harness connectors	Name	Page
E08	High-pitch horn	18
E16	Low-pitch horn	18
EM01	Engine harness connected to main harness 1	18
GE03-left	Engine harness GND 3	19
M32	BCM	42
ME01	Main harness connected to engine harness 1	42

Clock spring 2



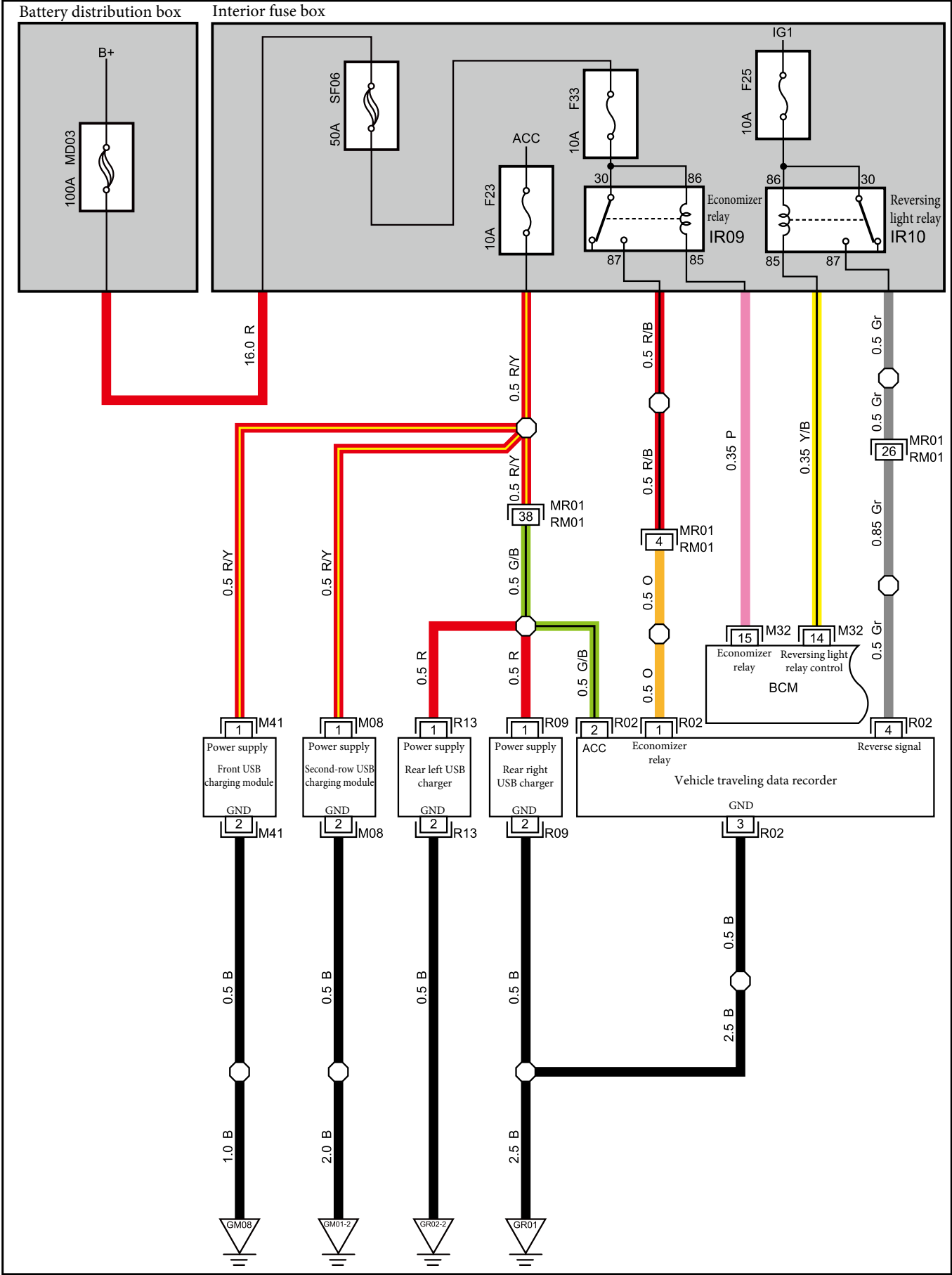
Harness connectors	Name	Page
E01	VCU	18
EM01	Engine harness connected to main harness 1	18
EM02	Engine harness connected to main harness 2	18
M17	Dimmer switch	43
M18	Instrument cluster	42
M29	Clock spring _ horn	43
M46	MP5 host	42
ME01	Main harness connected to engine harness 1	42
ME02	Main harness connected to engine harness 2	43

Electric horn, cigarette lighter



Harness connectors	Name	Page
E08	High-pitch horn	18
E16	Low-pitch horn	18
EM01	Engine harness connected to main harness 1	18
GE03-left	Engine harness GND 3	19
GM08	Main harness GND 8	44
M29	Clock spring _ horn	43
M32	BCM	42
M39	Cigarette lighter	43
ME01	Main harness connected to engine harness 1	42

USB, vehicle traveling data recorder

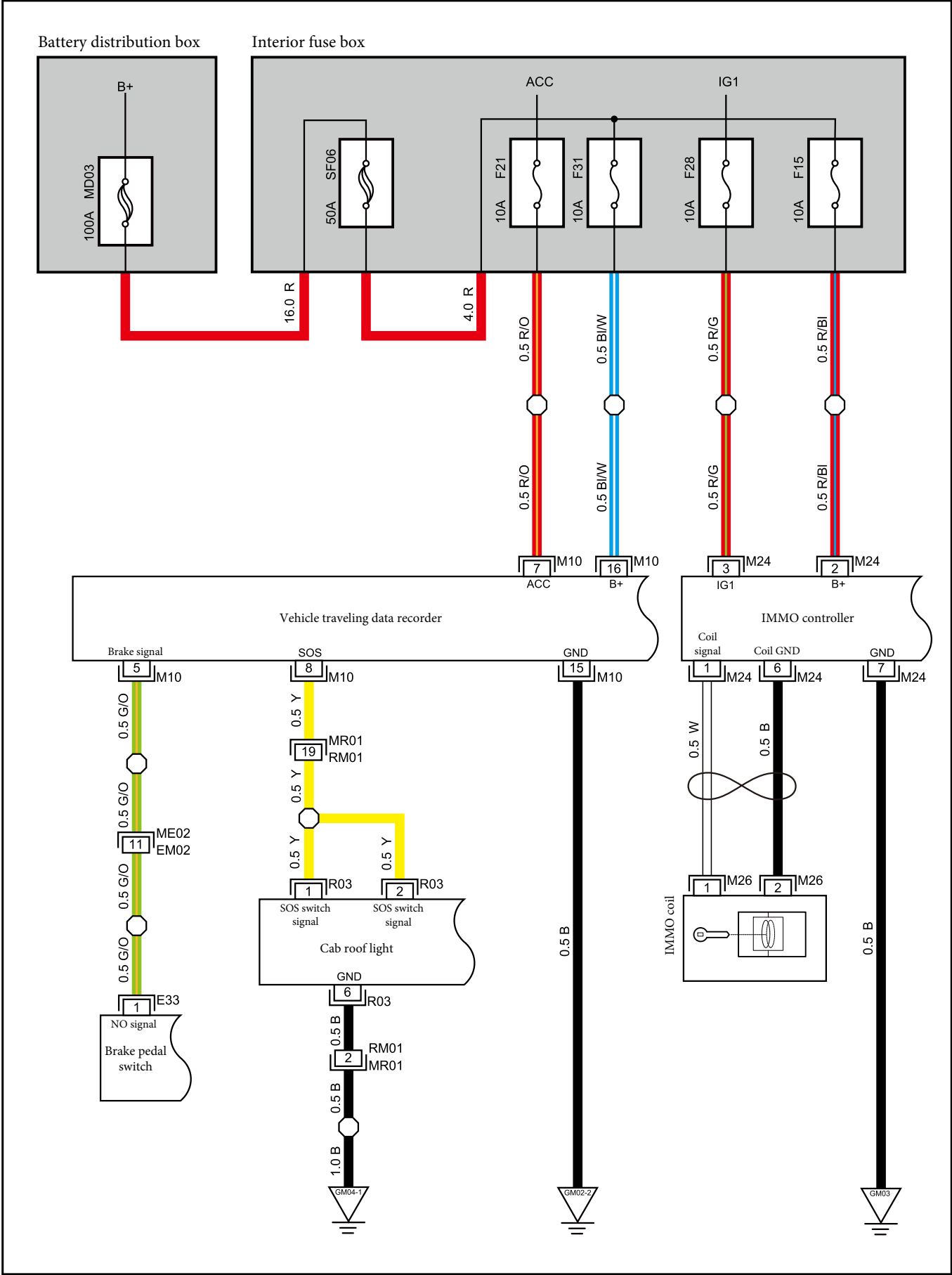


Harness connectors	Name	Page
GM01-2	Main harness GND 1	44
GM08	Main harness GND 8	44
GR01	Roof harness GND 1	74
GR02-2	Roof harness GND 2	74
M08	Second-row USB charging module	43
M32	BCM	42
M41	Front USB charging module	43
MR01	Main harness connected to roof harness 1	43
R02	Vehicle traveling data recorder	72
R09	Right USB charger	73
R13	Left USB charger	73
RM01	Roof harness connected to main harness 1	72



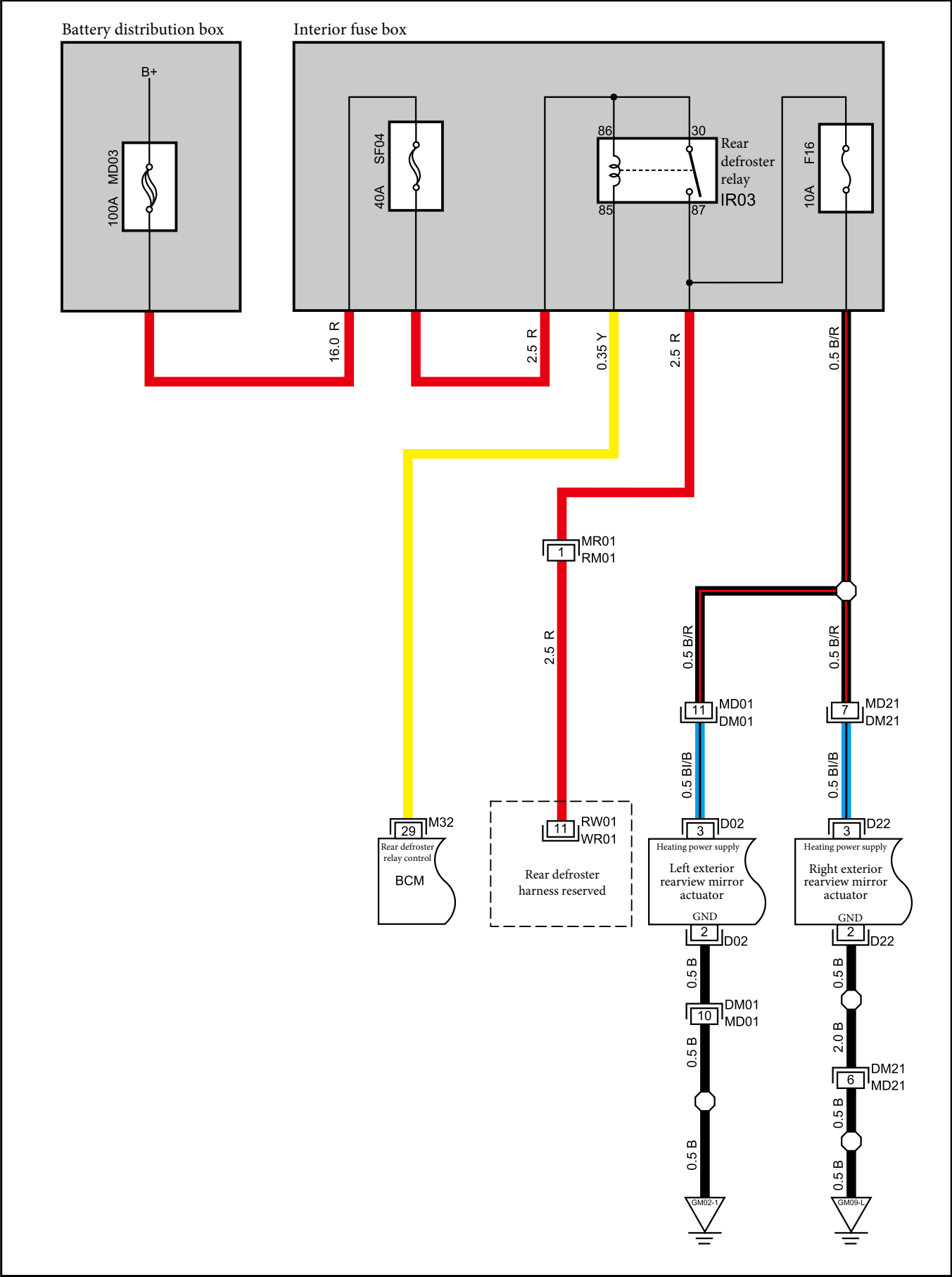
Harness connectors	Name	Page
GR02-2	Roof harness GND 2	74
M18	Instrument cluster	42
M32	BCM	42
MR01	Main harness connected to roof harness 1	43
R16	Left probe	73
R17	Middle left probe	73
R18	Middle right probe	73
R19	Right probe	73
RM01	Roof harness connected to main harness 1	72

Vehicle traveling data recorder, IMMO controller



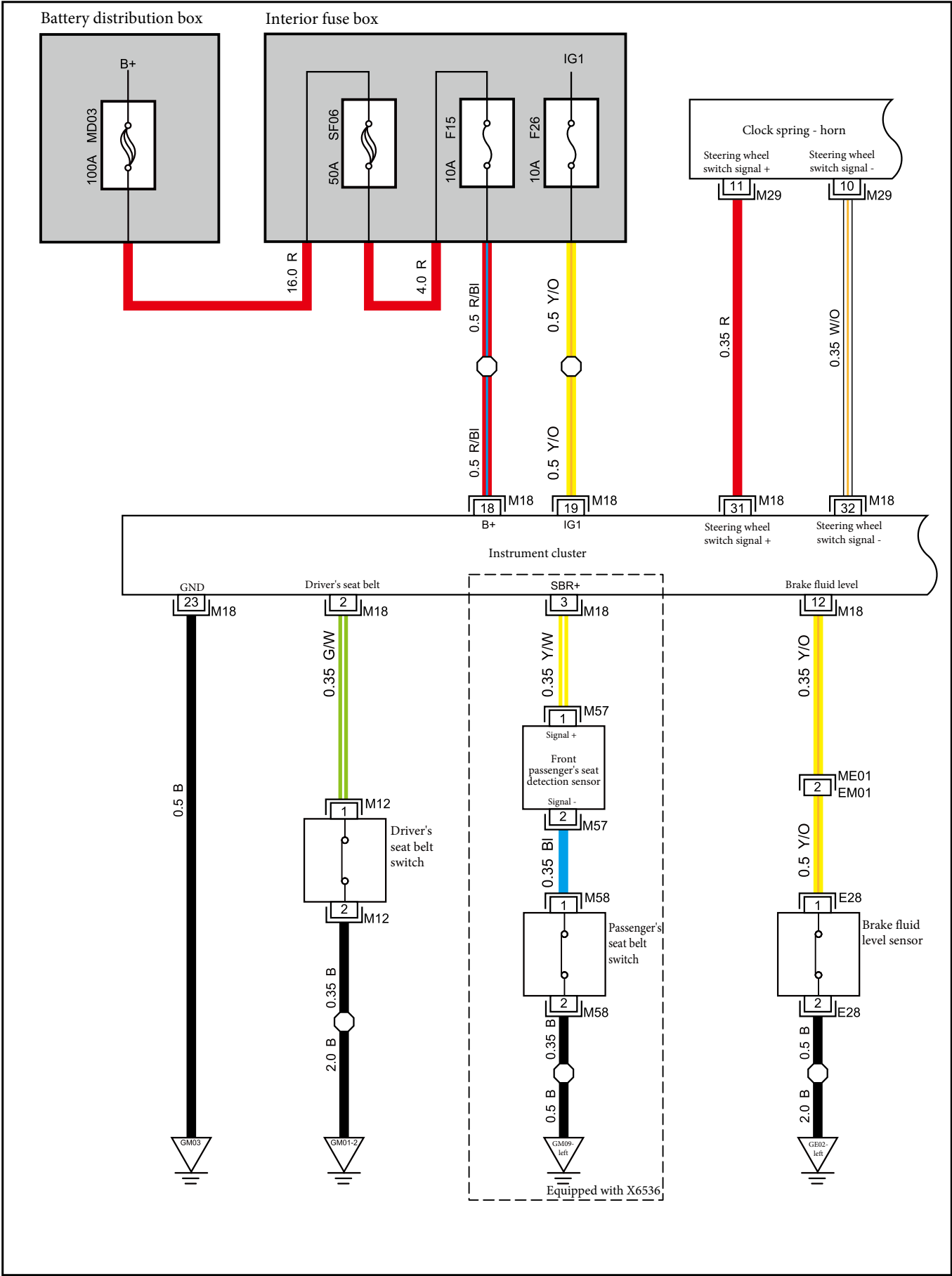
Harness connectors	Name	Page
E33	Brake pedal switch	18
EM02	Engine harness connected to main harness 2	18
GM02-2	Main harness GND 2	44
GM03	Main harness GND 3	44
GM04-1	Main harness GND 4	44
M10	Vehicle traveling data recorder interface	43
M24	IMMO controller	42
M26	IMMO coil	43
ME02	Main harness connected to engine harness 2	43
MR01	Main harness connected to roof harness 1	43
R03	Cab roof light	72
RM01	Roof harness connected to main harness 1	72

Rear defroster



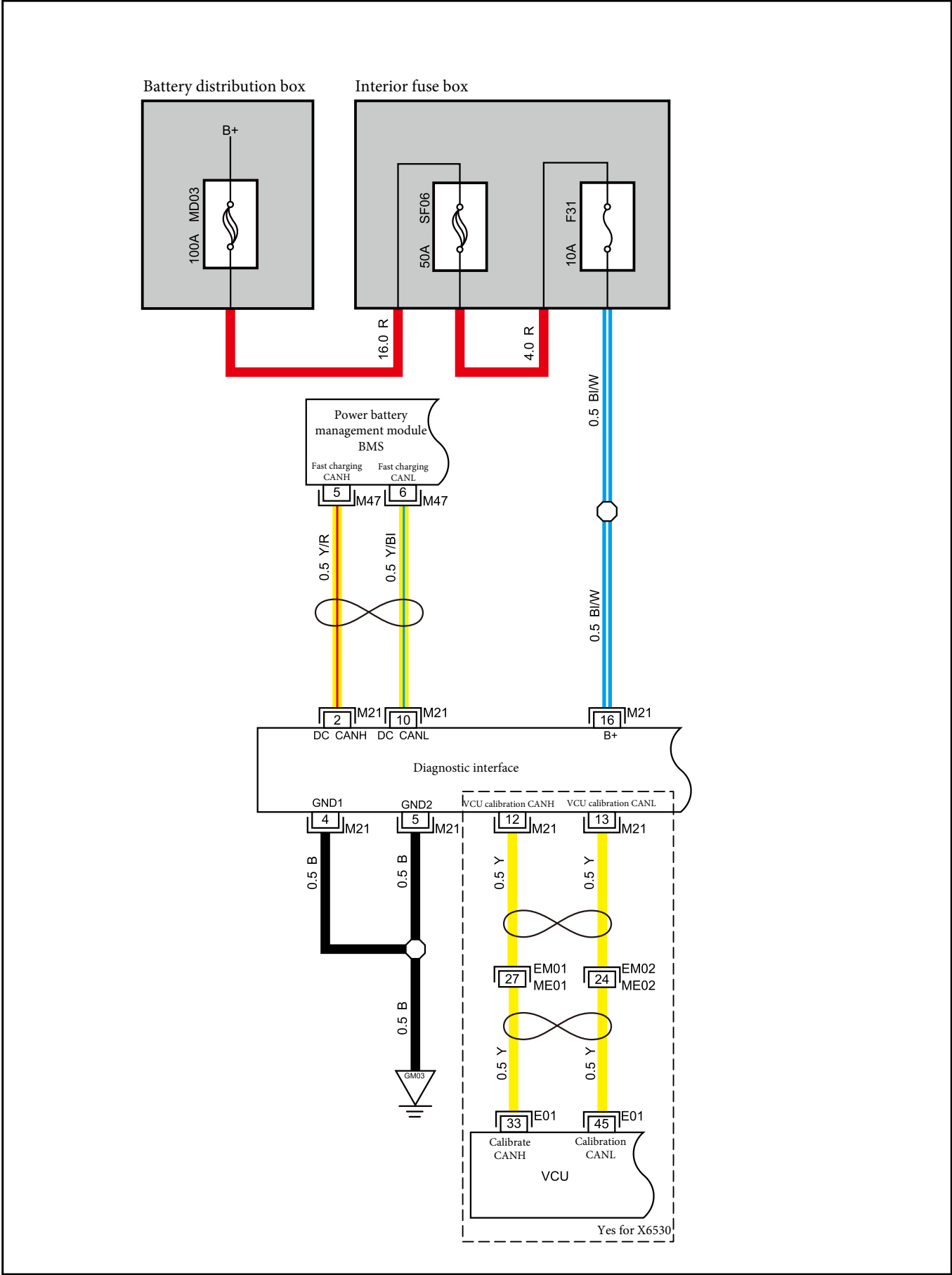
Harness connectors	Name	Page
D02	Left exterior rearview mirror actuator	90
D22	Right exterior rearview mirror actuator	89
DM01	Front left door harness to main harness 1	90
DM21	Front right door harness to main harness 1	89
GM02-1	Main harness GND 2	44
GM09-L	Main harness GND 9	44
M32	BCM	42
MD01	Main harness to front left door harness 1	42
MD21	Main harness to front right door harness 1	42
MR01	Main harness connected to roof harness 1	43
RM01	Roof harness connected to main harness 1	72
RW01	Roof harness to liftgate extension harness 1	73
WR01	Liftgate extension harness to roof harness 1	96

Instrument cluster



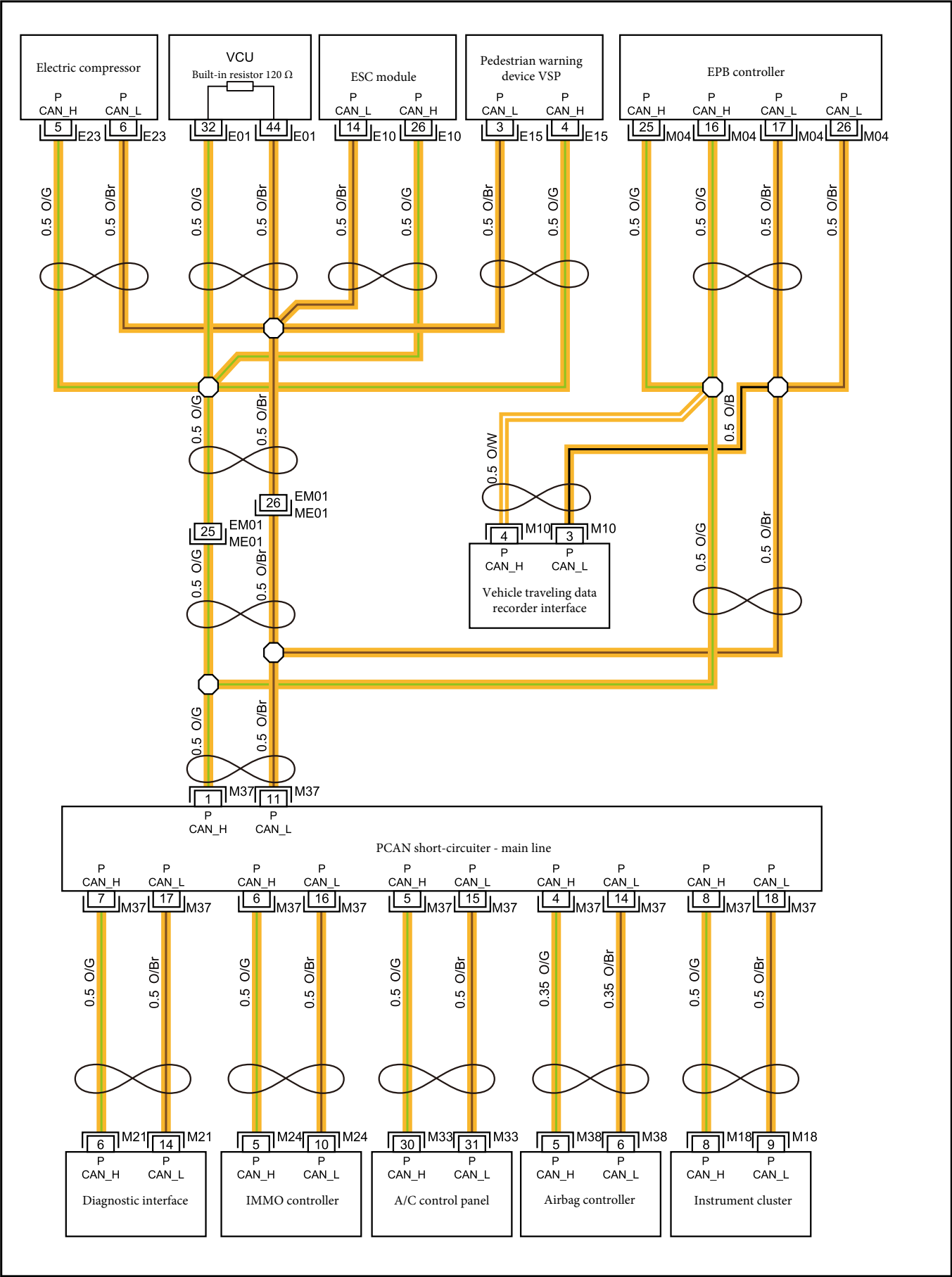
Harness connectors	Name	Page
E28	Brake fluid level sensor	18
EM01	Engine harness connected to main harness 1	18
GE02-Left	Engine harness GND 2	19
GM01-2	Main harness GND 1	44
GM03	Main harness GND 3	44
GM09-left	Main harness GND 9	44
M12	Driver's seat belt switch	43
M18	Instrument cluster	42
M29	Clock spring _ horn	43
M57	Front passenger's seat detection sensor	43
M58	Passenger's seat belt switch	43
ME01	Main harness connected to engine harness 1	42

Diagnostic interface



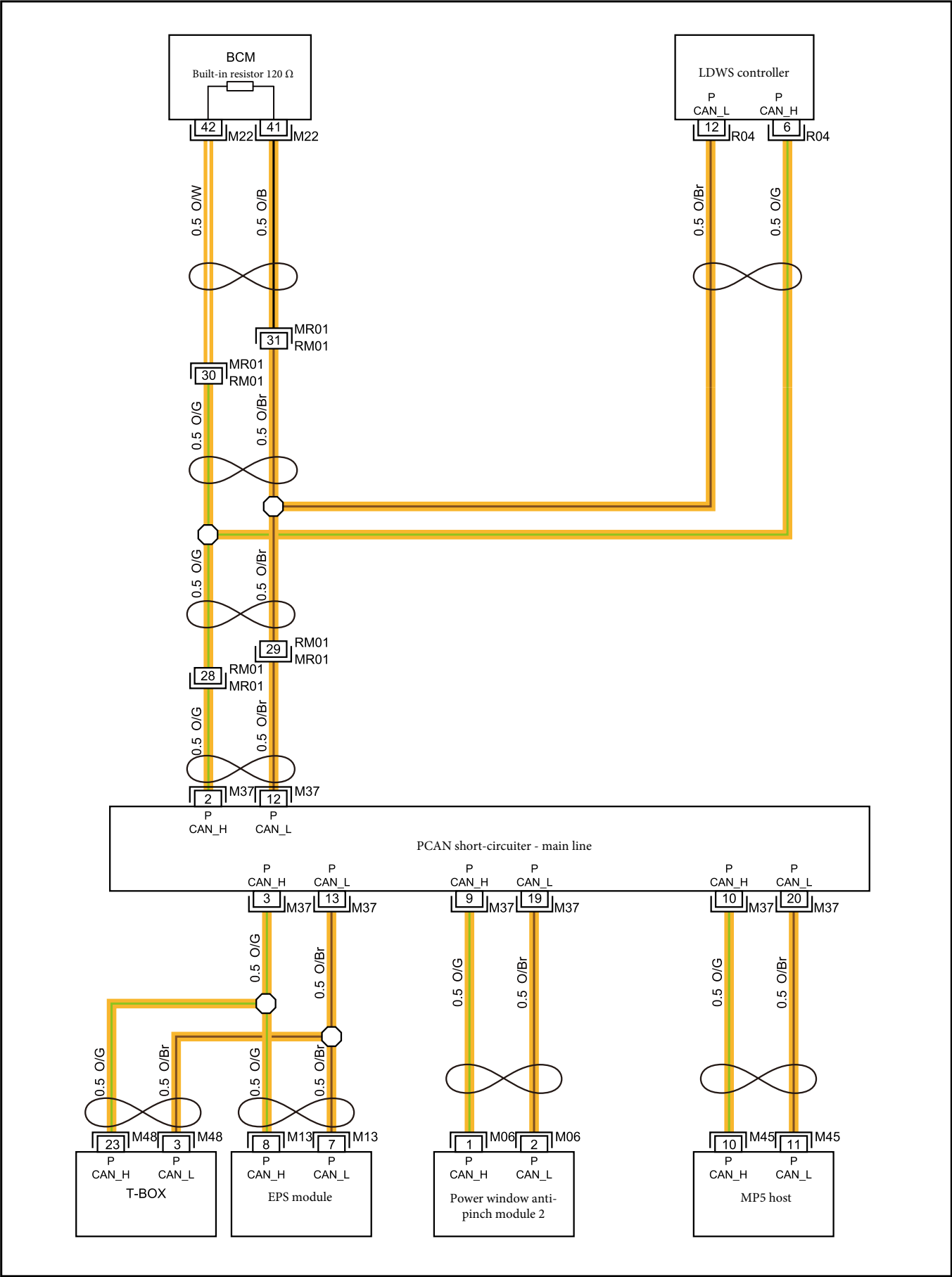
Harness connectors	Name	Page
E01	VCU	18
EM01	Engine harness connected to main harness 1	18
EM02	Engine harness connected to main harness 2	18
GM03	Main harness GND 3	44
M21	Diagnostic interface	42
M47	Power battery management module BMS	43
ME01	Main harness connected to engine harness 1	42
ME02	Main harness connected to engine harness 2	43

PCAN-1



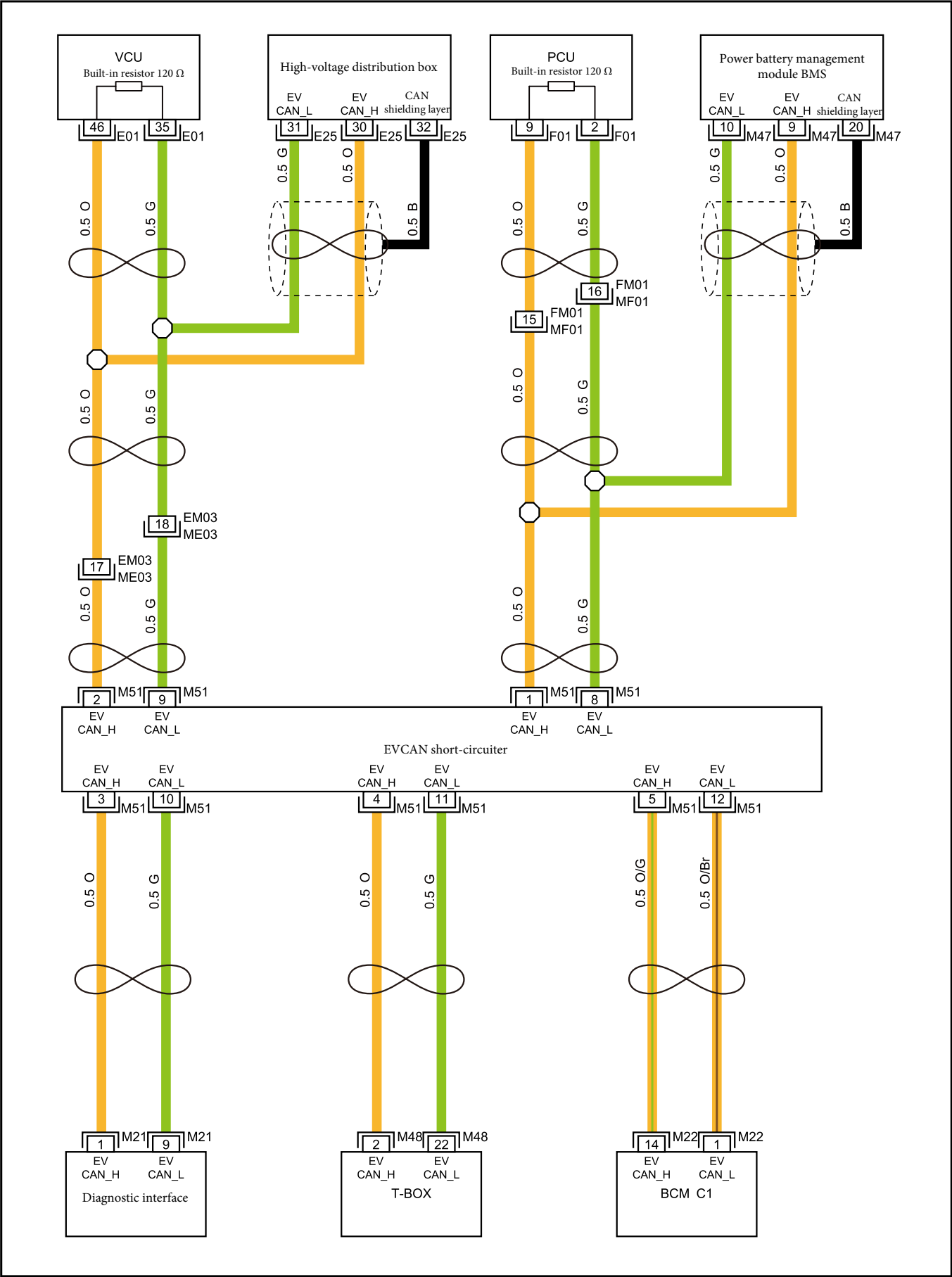
Harness connectors	Name	Page
E01	VCU	18
E10	ESC module	18
E15	Pedestrian warning device VSP	18
E23	Electric compressor	18
EM01	Engine harness connected to main harness 1	18
M04	EPB controller	43
M10	Vehicle traveling data recorder interface	43
M18	Instrument cluster	42
M21	Diagnostic interface	42
M24	IMMO controller	42
M33	A/C control panel	43
M37	PCAN short-circuiter - main line	42
M38	Airbag controller	42
ME01	Main harness connected to engine harness 1	42

PCAN-2



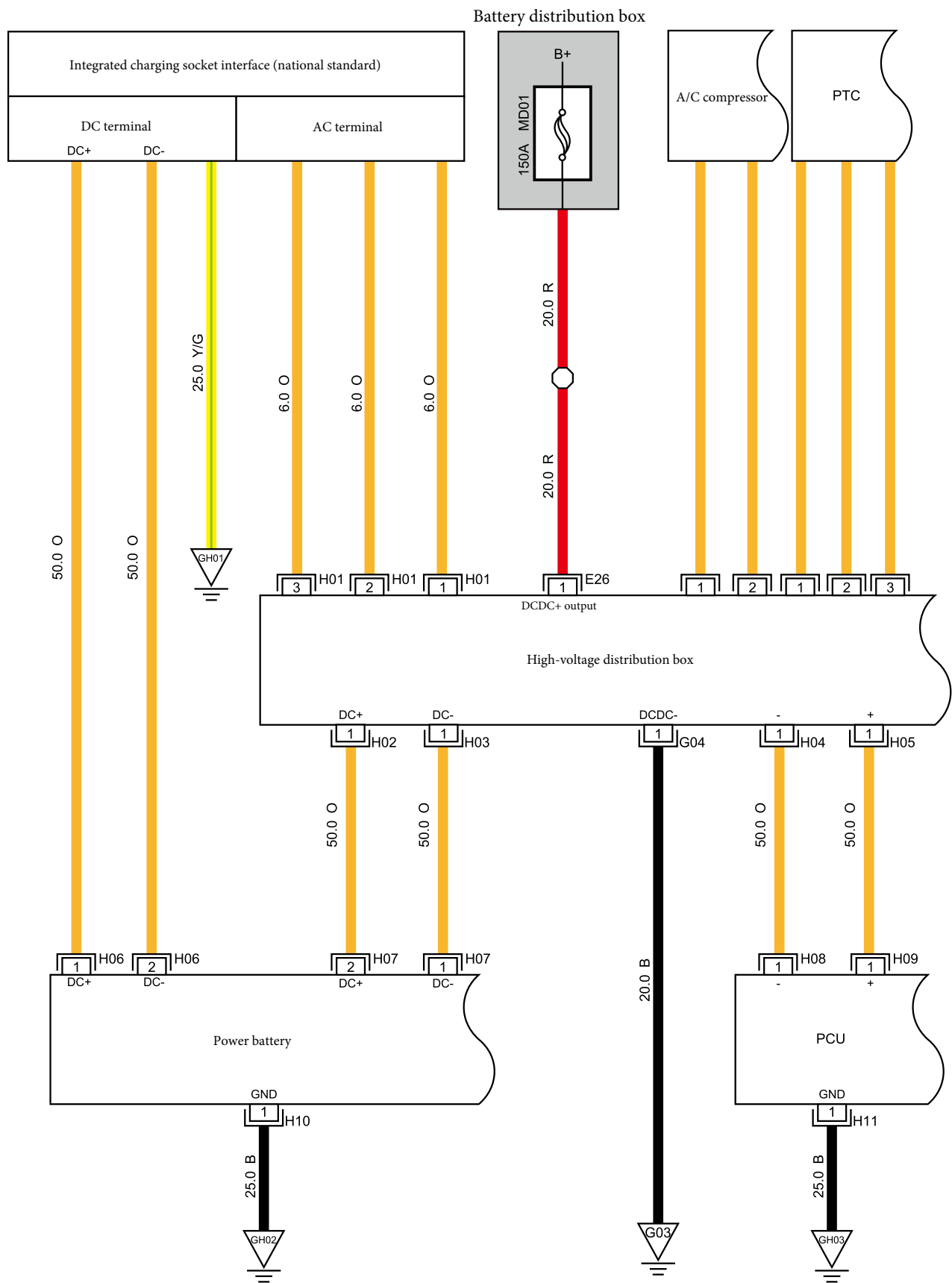
Harness connectors	Name	Page
M06	Power window anti-pinch module	43
M13	EPS module signal	42
M22	BCM	43
M37	PCAN short-circuiter - main line	42
M45	MP5 host	42
M48	T-BOX	42
MR01	Main harness connected to roof harness 1	43
R04	LDWS controller	72
RM01	Roof harness connected to main harness 1	72

EV CAN



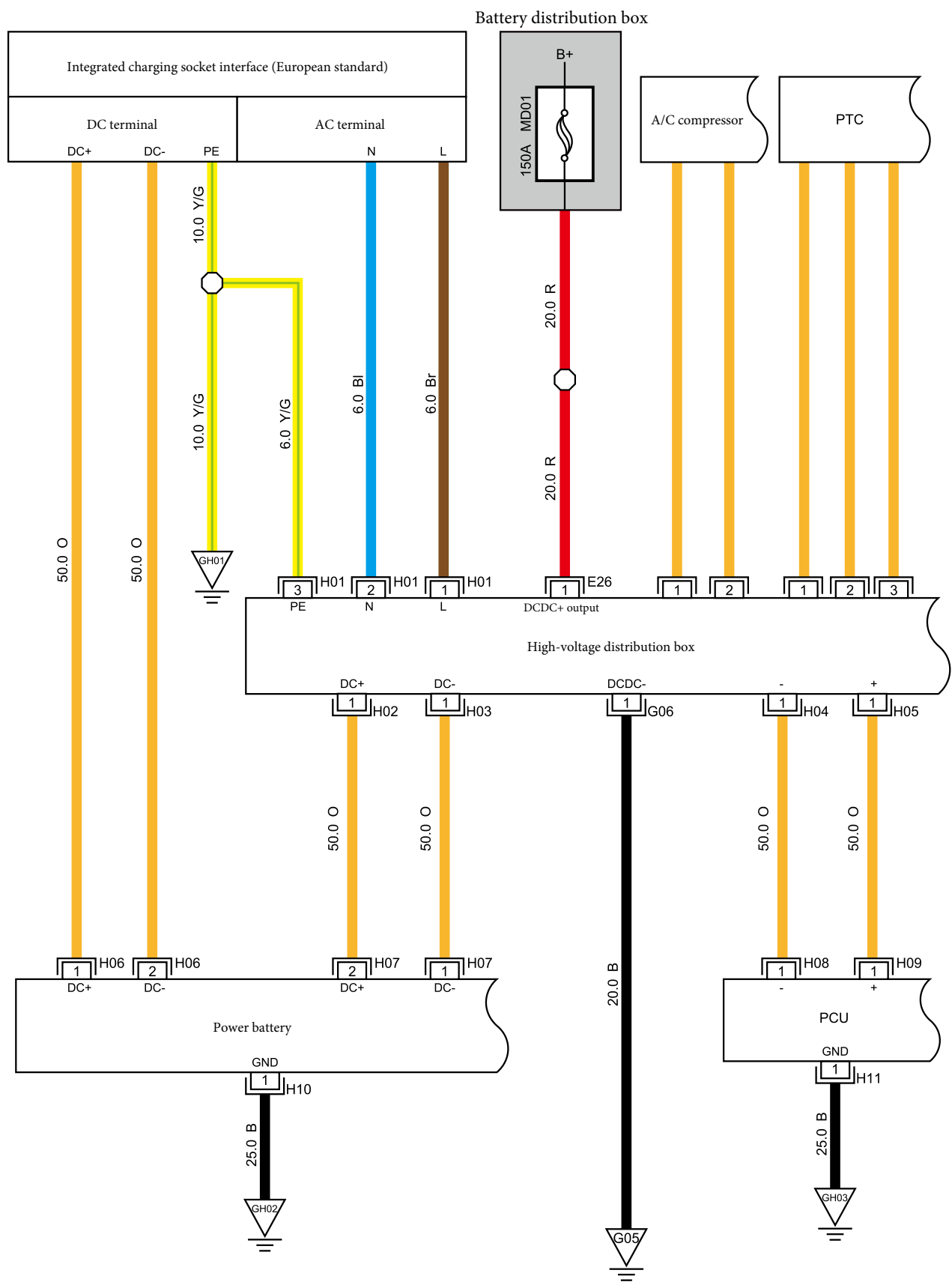
Harness connectors	Name	Page
E01	VCU	18
E25	High-voltage distribution box	18
EM03	Engine harness connected to main harness 3	18
F01	PCU	85
FM01	Frame harness to main harness	85
M21	Diagnostic interface	42
M22	BCM	43
M47	Power battery management module BMS	43
M48	T-BOX	42
M51	EVCAN short-circuiter	42
ME03	Main harness connected to engine harness 3	42
MF01	Main harness to frame harness	43

High-voltage line-1 (X6530)



Harness connectors	Name	Page
E26	DCDC+	18
G03	Body GND	36
G04	High-voltage distribution box GND	36
GH01(X6530)	GND terminal	112
GH02	Body GND	103
GH03	Body GND	33
H01	High-voltage distribution box	112
H02	High-voltage distribution box	106
H03	High-voltage distribution box	106
H04	High-voltage distribution box	109
H05	High-voltage distribution box	109
H06	Power battery	112
H07	Power battery	106
H08	PCU	109
H09	PCU	109
H10	BMS GND	103
H11	Drive motor GND	33

High-voltage line -2 (X6536)



Harness connectors	Name	Page
E26	DCDC+	18
GH01(X6536)	GND terminal	113
GH02	Body GND	103
GH03	Body GND	33
H01	High-voltage distribution box	113
H02	High-voltage distribution box	106
H03	High-voltage distribution box	106
H04	High-voltage distribution box	109
H05	High-voltage distribution box	109
H06	Power battery	113
H07	Power battery	106
H08	PCU	109
H09	PCU	109
H10	BMS GND	103
H11	Drive motor GND	33

