

2026 Taikon 5 EV Circuit Diagram Manual

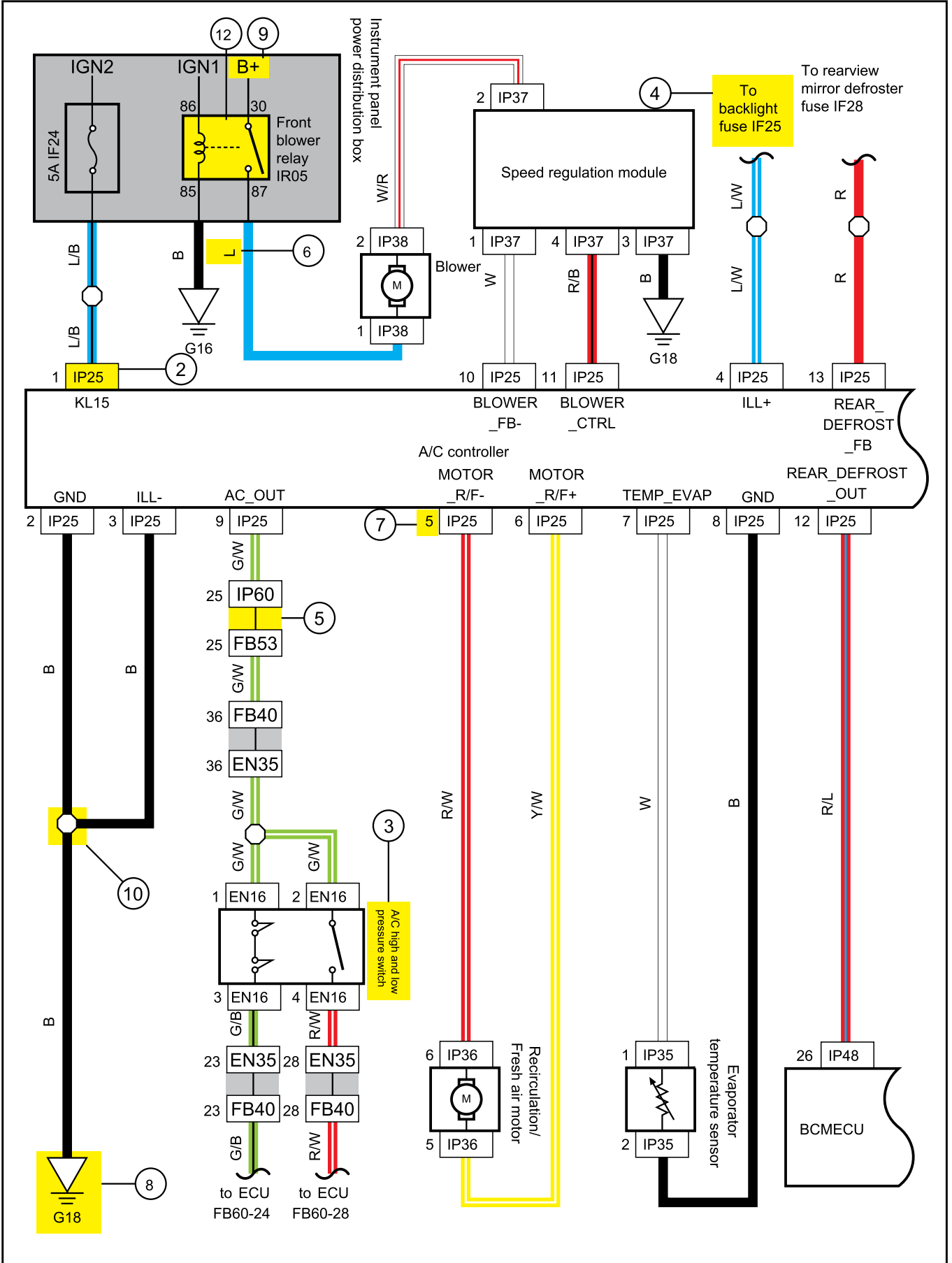
This manual contains electrical circuit diagrams for the 2026 Taikon 5 EV model.

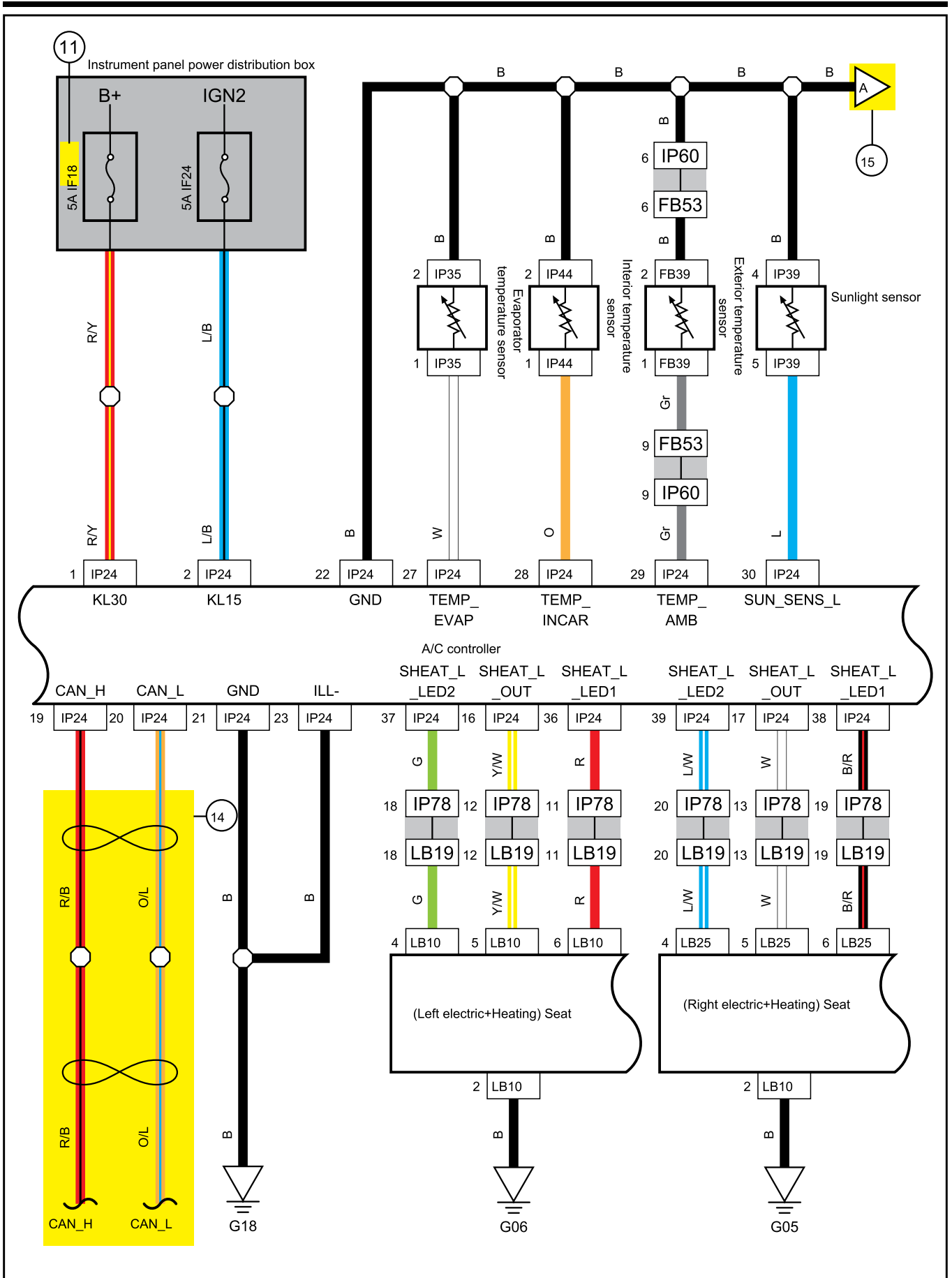
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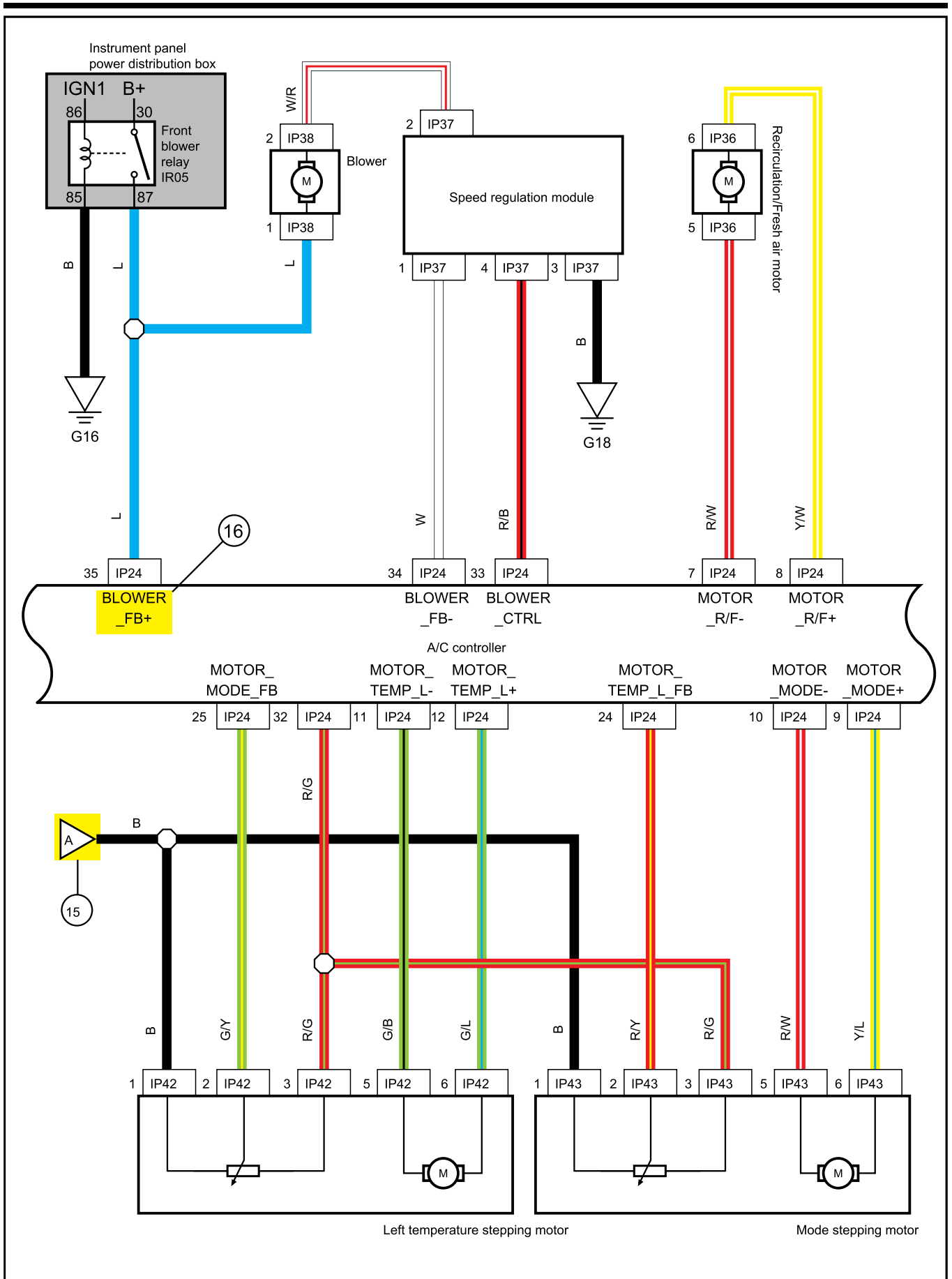
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A/C system Automatic 1







1 System name.

2 Harness connector number.

The numbering rules of the harness connectors in this circuit diagram are based on the harness. For example, the VCM harness connector in the engine compartment harness is numbered FB52, where FB is the harness code and 52 represents the connector serial number.

注意:

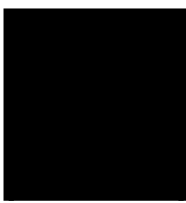



1 Refer to the harness layout of harness connector number details.

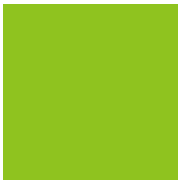
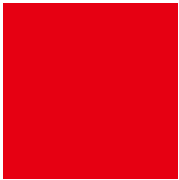
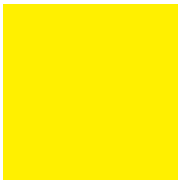

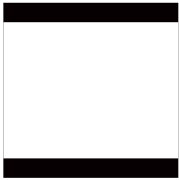
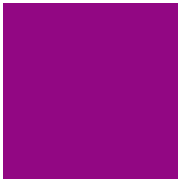
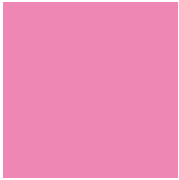
3 Part name.

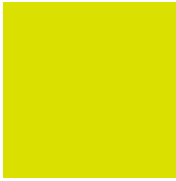
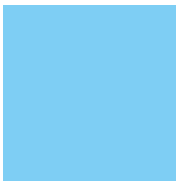
4 Display system information related to the circuit connection.

5 The connection between plugs shall be indicated with a fine solid line and covered with grey shade so as to differ from the physical harness. The physical harness shall be indicated with a heavy solid line, of which the colour is the same with that of actual wire.

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

Colour code	Wire colour	Example
B	Black	
Gr	Grey	
Br	Brown	
L	Blue	

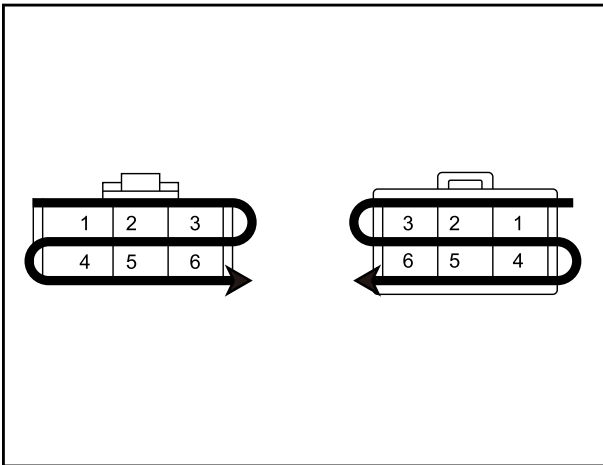
Colour code	Wire colour	Example
G	Green	
R	Red	
Y	Yellow	
O	Orange	
W	White	
V	Purple	
P	Pink	

Colour code	Wire colour	Example
Lg	Light green	
C	Light blue	

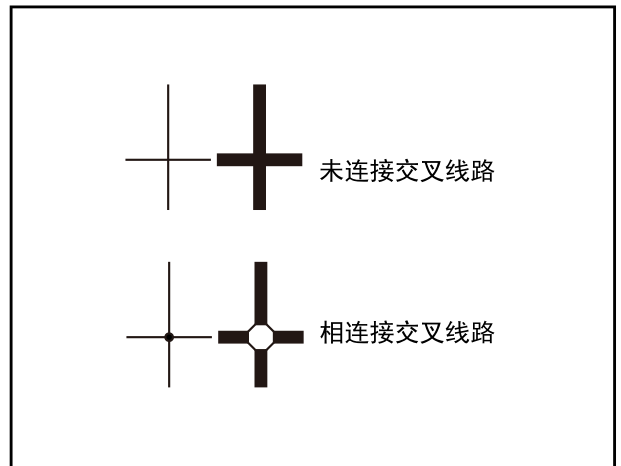
If the wire is a two-colour wire, the first letter represents the wire colour and the second letter represents the stripe colour, with "/" in between.

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

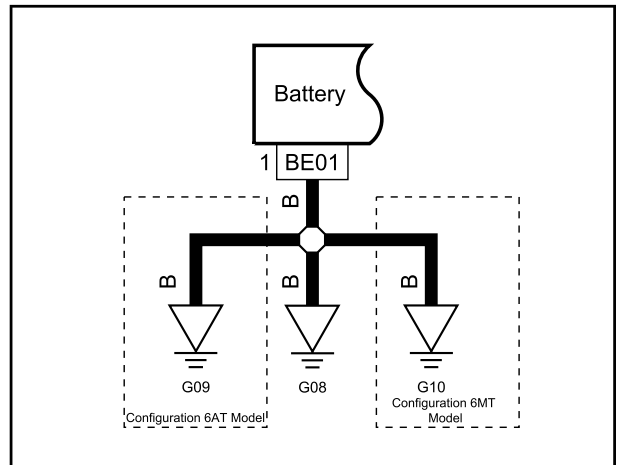
- 7 Display the number of connector terminals. Note that the terminal numbers of harness connectors connected to each other are mirror images of each other, as shown in the following figure:



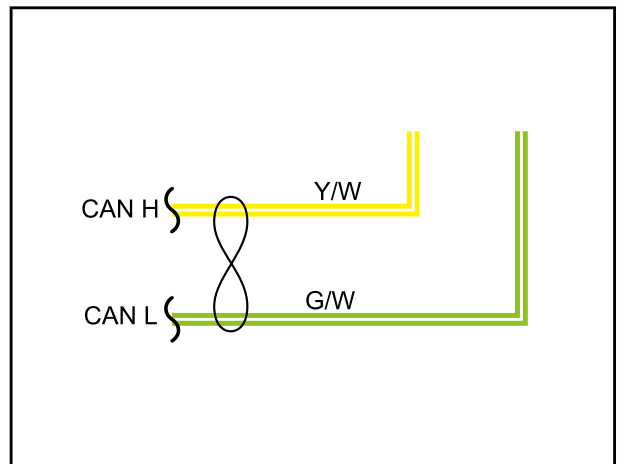
- 8 Number of GND point. All the GND points are indicated with the letter G. Refer to the GND points location diagram for details of GND points location.
- 9 Type of power supplied and fused.
- 10 Wire node.



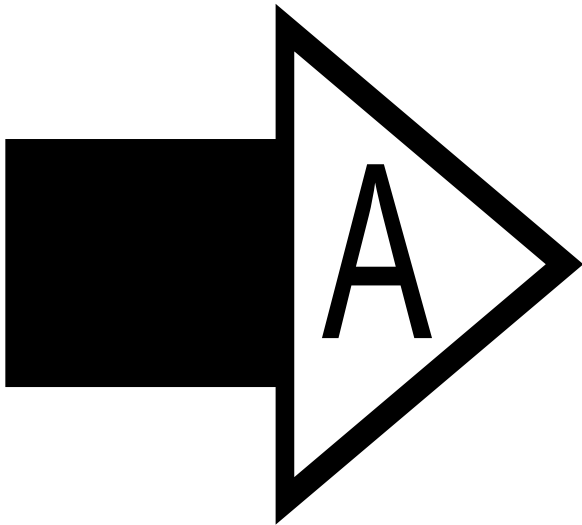
- 11 The fuse number is composed of the fuse code and serial number. Refer to the fuse list for details of the fuse number.
- 12 Relay number is indicated by a single English letter. Refer to the relay list for details.
- 13 If the relevant circuit designs are different due to different vehicle models or configurations, they shall be marked with dotted lines in the electrical diagram and instructions shall be added beside the electrical diagram.



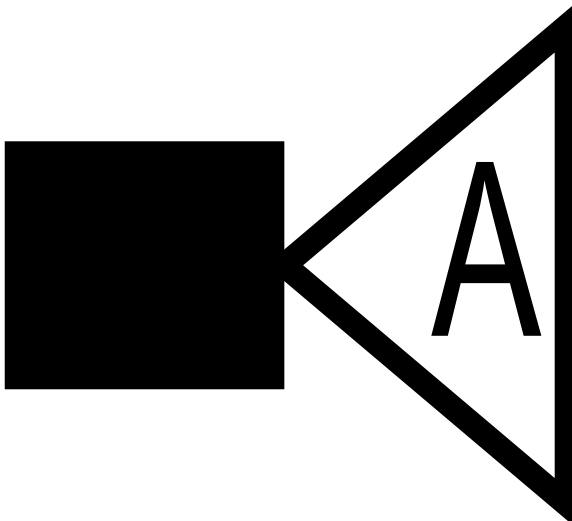
- 14 If there is an 8-shaped mark between the circuit lines, it indicates that the circuit is a twisted pair and is mainly used as the signal circuit or data communication circuit of a sensor.



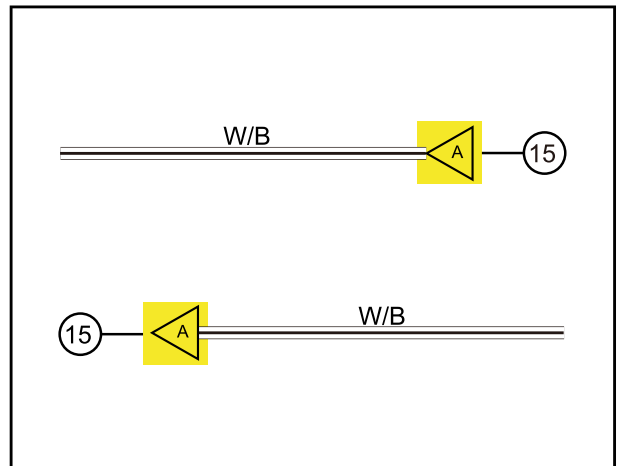
15 If there are many contents in a system and the line needs to be indicated on multiple pages, the starting point of the line is indicated by



, and the arrival point of the line by



. If more than one line in a diagram turns to the next page, it is indicated by letters B, C, and so on.




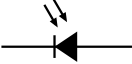
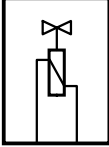
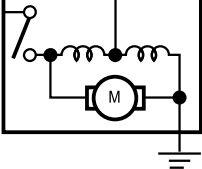


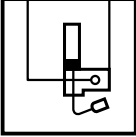


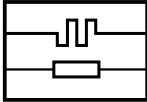

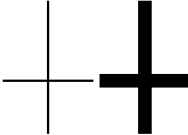
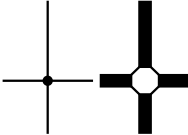



16 Terminal name.

Unless otherwise specified, the plug-in positions of all harness connectors shown on the drawing represent the incoming end.

Diagrams of Mark Symbols

	GND		NC relay		Battery
	Temperature sensor		NO relay		Capacitor
	Short connecting piece		Double-throw relay		Cigarette lighter
	Airbag		Resistor		Antenna
	Small-load fuse		Potentiometer		NO switch
	Medium-load fuse		Variable resistor		NC switch
	Heavy-load fuse		Ignition coil		Double-throw switch
	Heater		Knock sensor		Ignition switch

	Diode		Bulb		Twisted pair
	Photodiode		Solenoid valve		Starter
	Light-emitting diode		Horn		Seat belt pretensioner
	Motor		Clock spring		Oxygen sensor
	Limit switch		Unconnected crossing circuit		Connected crossing circuit
	Shielded wire				

Fault diagnosis process

For circuit faults, check according to the following steps:

1 Confirm the customer's complaints

For correct maintenance, confirm the fault phenomenon described by the customer. Carefully check the relevant components to confirm the fault phenomenon and make records. It is not allowed to disassemble the components before the fault scope and cause are determined.

2 Circuit diagram reading and cause analysis

Analyze and judge the entire circuit of the faulty component from power supply to GND according to the subsystem circuit diagram, and determine the maintenance operation plan. If the maintenance operation plan cannot be determined, refer to the description of the system in the instructions and operations in the Service Manual to understand its working principle. At the same time, it is necessary to inspect other circuits shared with the faulty circuit, such as fuses, GND, switches, and other common system circuits as shown in the circuit diagram. Detect the common circuit that was not checked in step 1. If other components on the common circuit work normally, the fault lies in the circuits of the components themselves. If all components on the common circuit are faulty, the fuse or GND may be faulty.

3 Inspection of circuits and components

The circuit diagram should always be used in conjunction with the Service Manual, referring to the inspection procedures for circuits and components described in the manual. For circuits with module control, the components should be fully tested in combination with diagnostic testers. Effective fault diagnosis should be a logical and reasonable operation process. Fully combine the fault diagnosis process in the Service Manual and start the inspection from the most likely cause and the easiest component to check.

4 Troubleshooting

If a fault is found, refer to the description of the troubleshooting method in the circuit diagram and Service Manual. For example: the handling process for poor GND and the handling method of harness connectors.

5 Confirm the circuit working status

After maintenance, confirm that the fault has been eliminated, and recheck whether all functions are normal. If the fuse is blown, all circuits sharing the fuse shall be detected.

Voltage detection

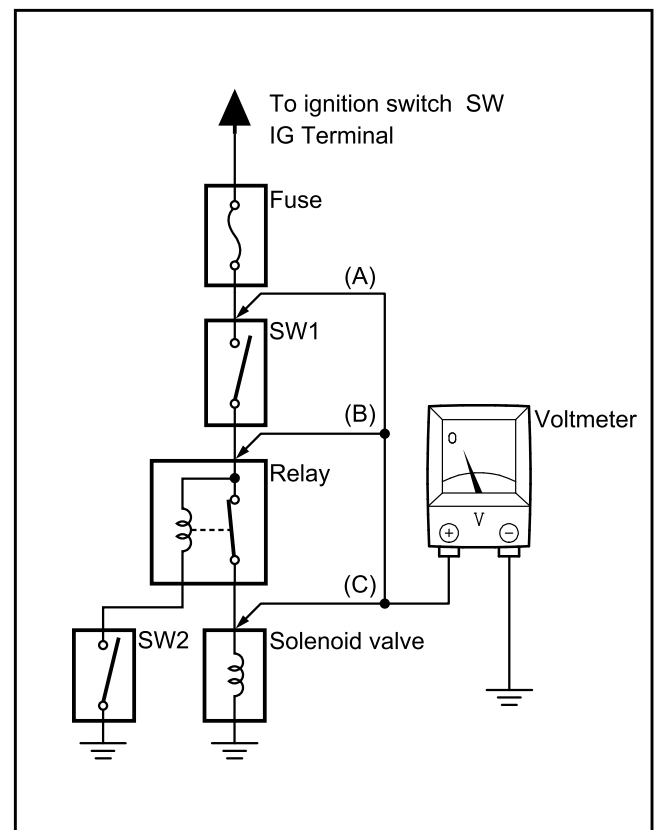
- 1 Establish measurement conditions at voltage measurement points.

For example:

1. The ignition switch SW is ON.
2. The ignition switch SW is ON and the switch SW1 is closed.
3. The ignition switch SW is at ON position, switch SW1 is closed, and the relay is on (i.e., switch SW2 is open).

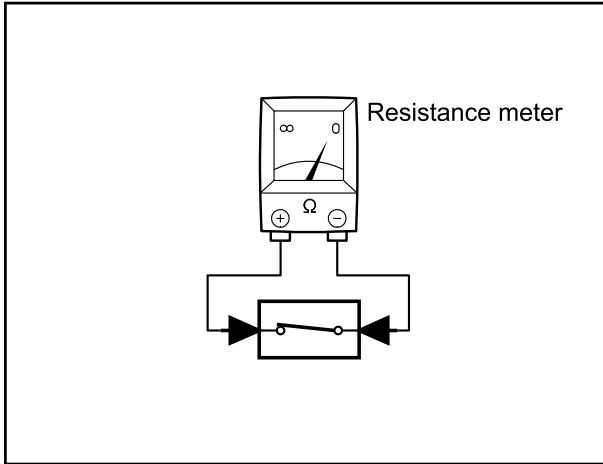
- 2 Connect the negative terminal of the voltmeter to a good GND point or to the negative terminal of the battery, and connect the positive terminal of the voltmeter to the terminal of the connector at the point to be measured.

Voltage detection can also be done by using a test light instead of a voltmeter.



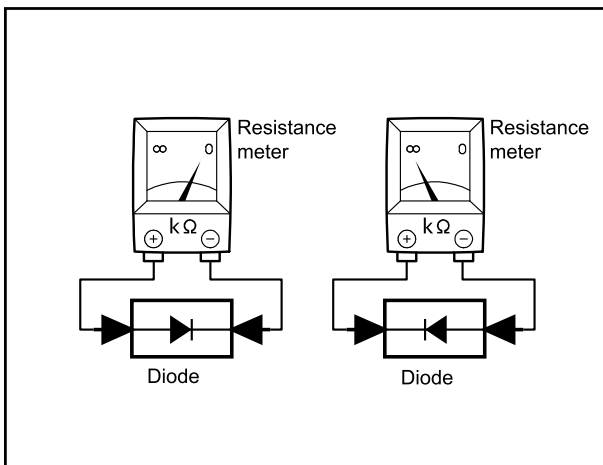
Circuit continuity and resistance detection

- 1 Disconnect the battery or electrical connection at the measurement point, and ensure that there is no voltage in the circuit to be measured.
- 2 Connect the two probes of the ohmmeter to both ends of the circuit to be measured respectively.

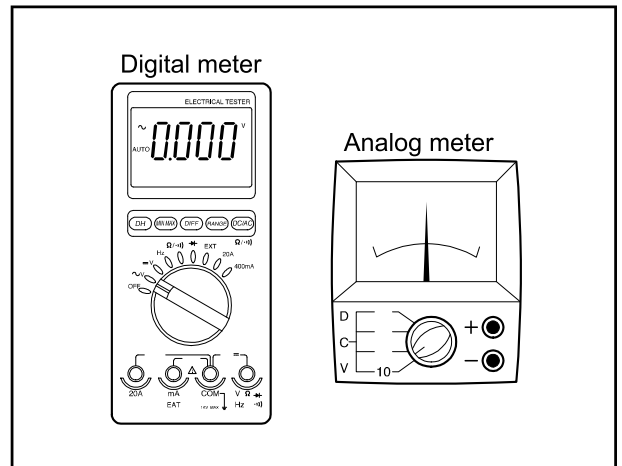


If there is a diode in the circuit, exchange the two probes and measure the resistance again. If the negative probe of the ohmmeter is connected to the positive terminal of the diode while the positive probe is connected to the negative terminal of the diode, the reading of the ohmmeter should be close to 0. Exchange the two probes and measure again. The reading of the ohmmeter should approach infinity.

If both of the above conditions are satisfied, the diode can work normally.



- 3 It is necessary to use a voltmeter and an ohmmeter with high internal resistance (above 10K Ω) for inspecting the circuit.



Short Circuit Detection

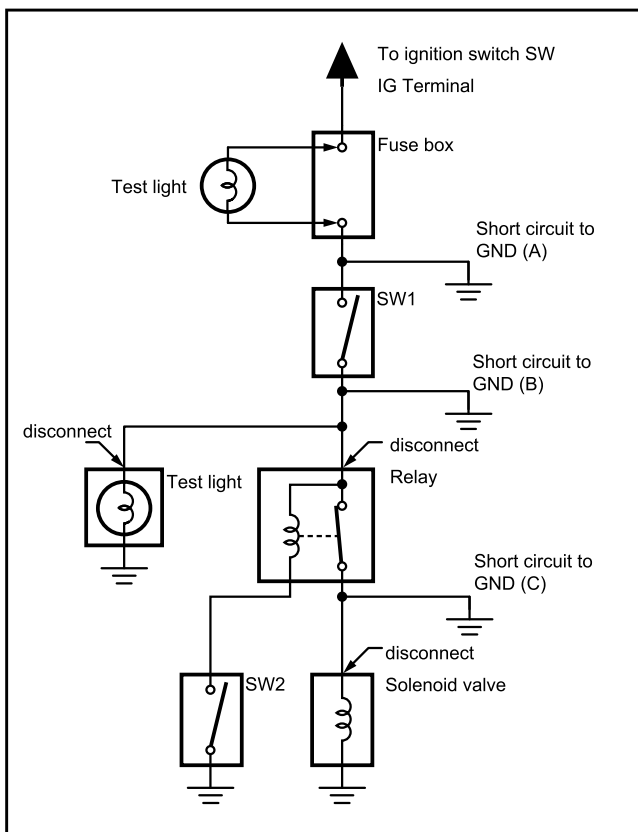
- 1 Remove the blown fuse and disconnect all loads from the fuse.
- 2 Connect a test light to both ends of the blown fuse box.
- 3 Establish the following test conditions. The test light should be on.

For example:

1. The ignition switch SW is ON.
2. The ignition switch SW is ON and the switch SW1 is closed.
3. The ignition switch SW is at ON position, switch SW1 is closed, and the relay is on (i.e., switch SW2 is open).
- 4 Disconnect and connect the two connectors of the test light, and observe whether the test light lights up. The short circuit point is located between the measuring point where the test light is on and the measuring point where it is not on.
- 5 Gently shake the faulty circuit to find the short circuit point.

警告:

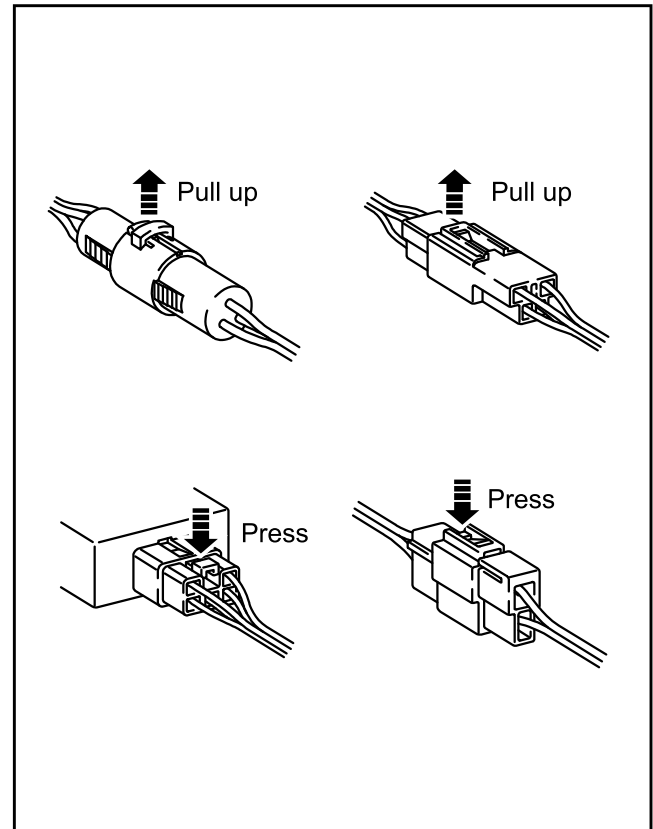
1. Do not open the ECU housing unless it is necessary. (If the integrated circuit pins on the ECU circuit board are touched, the integrated circuit may be damaged by static electricity.)
2. When replacing the internal mechanism of the digital instrument, ensure that no part of your body or clothing comes into contact with the leads of the replacement integrated circuit.



Disconnecting the connector

When disconnecting a connector, pull the connector itself, not the harness.

Tip: Confirm the type of connector before disconnecting it.

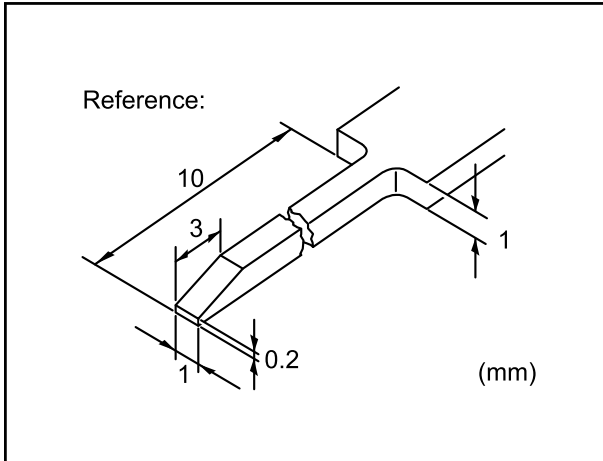


Replace terminal (with terminal holder or secondary locking device)

- 1 Prepare the special repair tool for harness terminal.

Note: To remove the harness terminal, use the special terminal repair tool or a similar object as shown in the Fig. on the left.

- 2 Disconnect the connector.

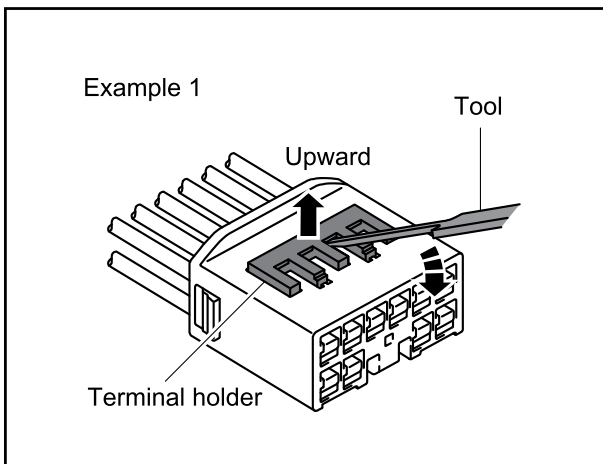


- 3 Release the secondary locking device or terminal holder.

1. The locking device must be released before releasing the terminal lock tab and removing the terminal from the connector.
2. Use a special tool to release the secondary locking device or terminal holder.

注意:

Do not remove the terminal holder from the connector.

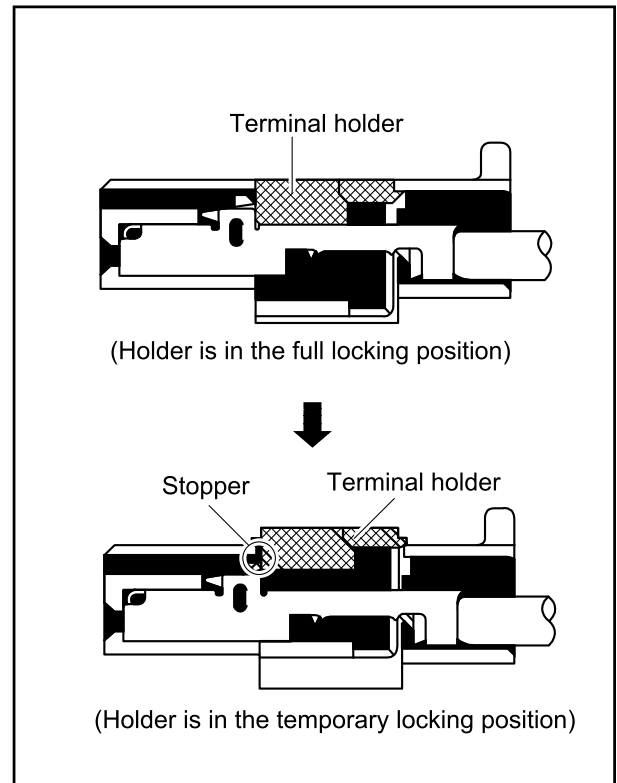


A. Non-waterproof connector

Tip: The position where the tool is inserted varies with the shape of the connector, such as number of the terminals. Check the insertion position before inserting the tool.

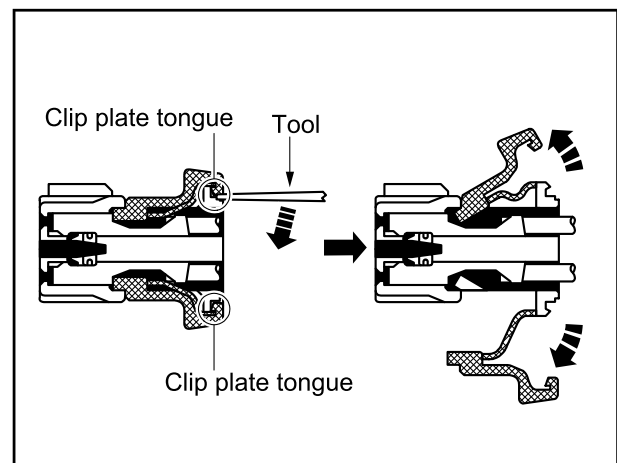
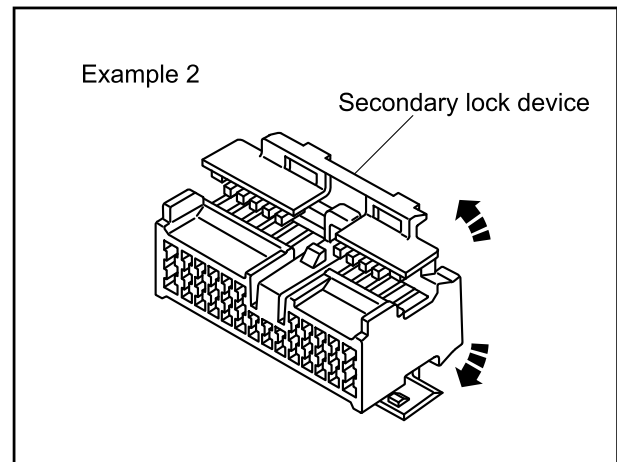
Example 1

Pull the terminal holder up to the temporary locking position.



Example 2

Open the secondary lock device.

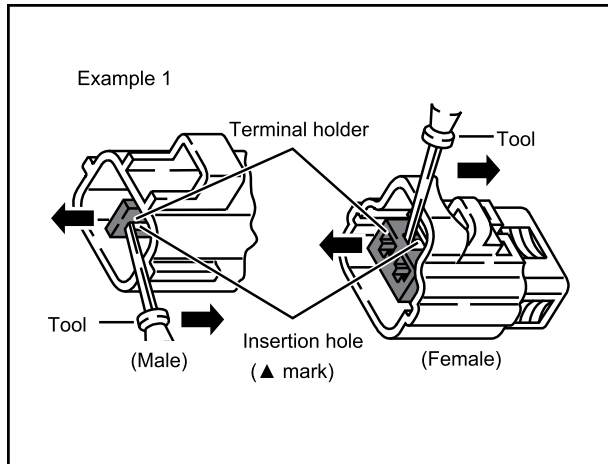


B. Waterproof connector

Tip: The colour of terminal holder varies with different connectors.

For example:

Terminal holder	Connector
Black or white	Grey
Black or white	Dark grey
Grey or white	Black

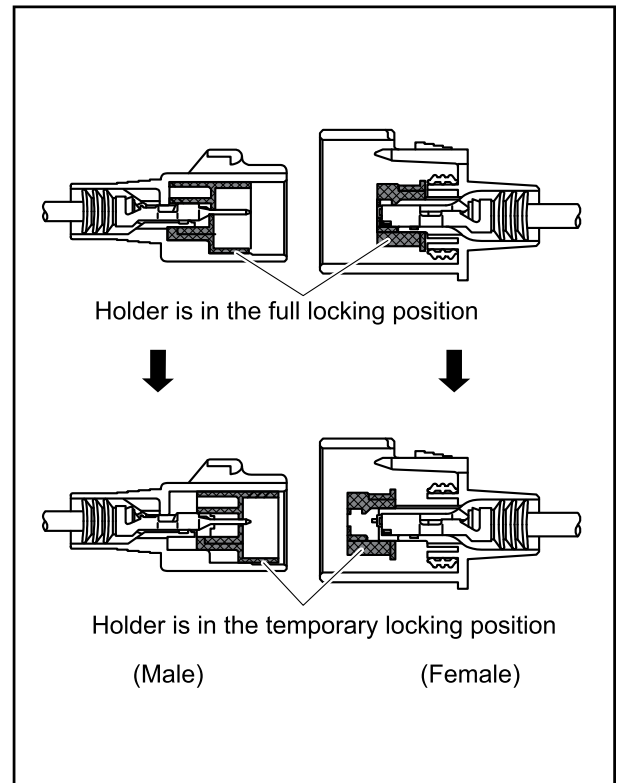


Example 1

The terminal holder can be pulled up to the temporary locking position (pull type).

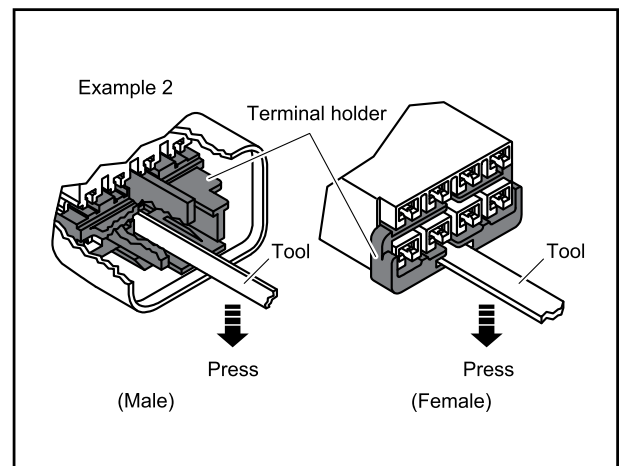
Insert the special tool into the insertion hole (Y mark) of terminal holder, and pull the terminal holder up to the temporary locking position.

Tip: The position where the tool is inserted varies with the shape of the connector, such as number of the terminals. Check the insertion position before inserting the tool.

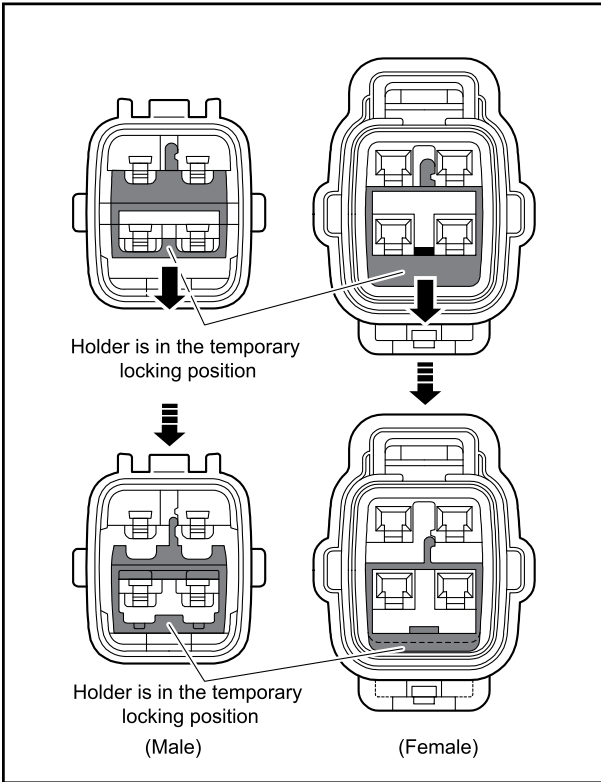


Example 2

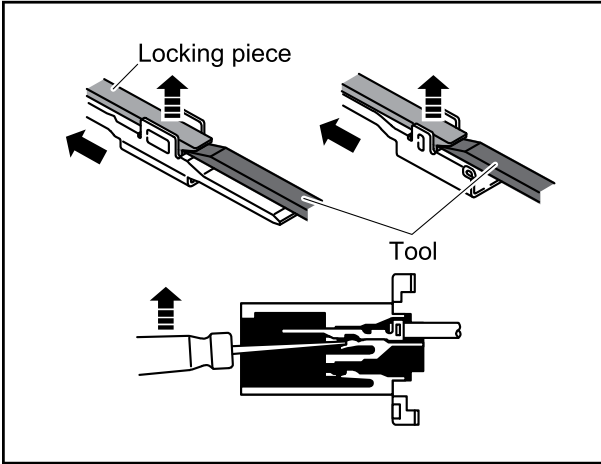
The terminal holder cannot be pulled up.



Press down the terminal holder to the temporary locking position.



C. Release the terminal locking plate and pull out the terminal in a backward direction.

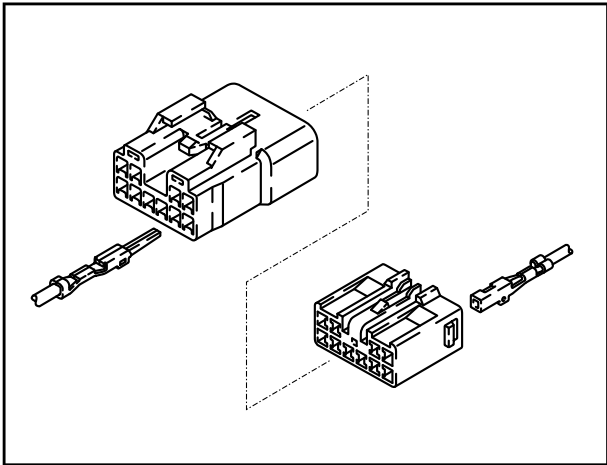


4 Install the terminal.

A. Insert the terminal.

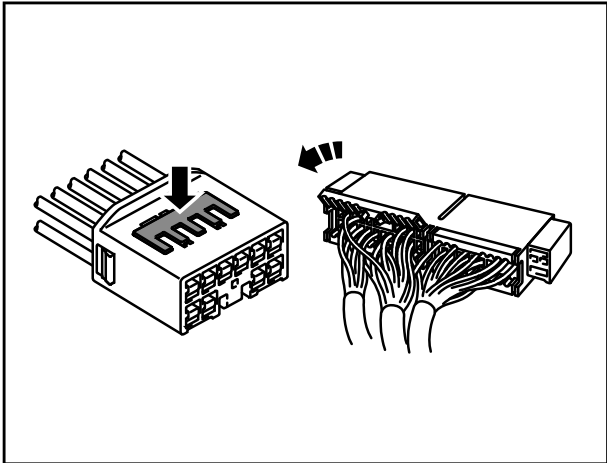
Note:

1. Make sure that the terminal is correctly aligned with the socket.
2. Insert the terminal into the terminal holder until the locking plate locks the terminal.
3. Insert the terminal holder to the temporary locking position of the connector.



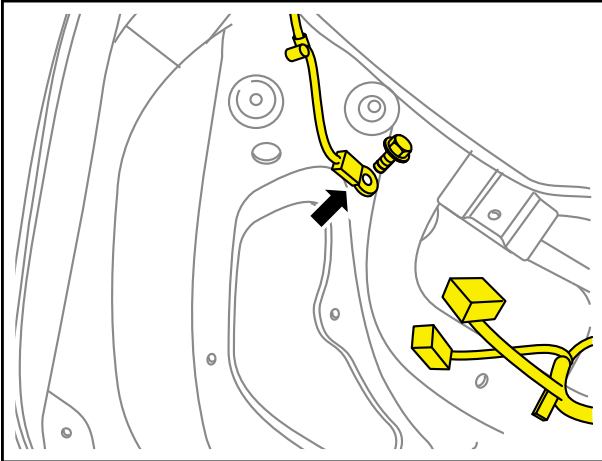
B. Push the secondary lock device to full locking position.

5 Connect the harness connector.

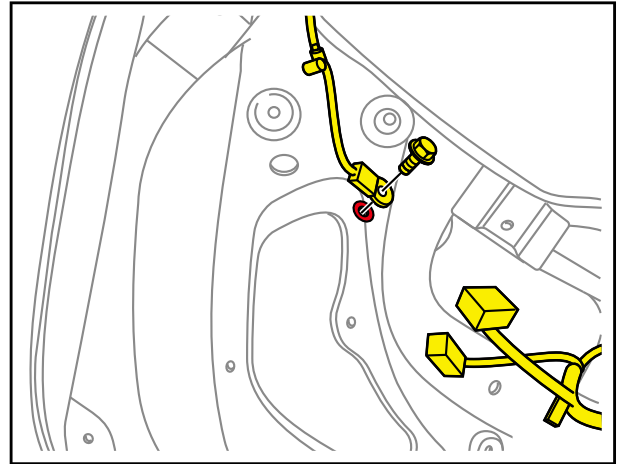


Treatment process of poor GND

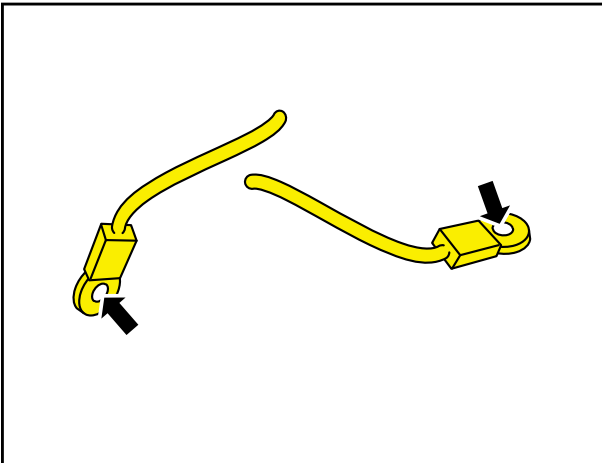
- 1 Remove the bolt at the GND point.



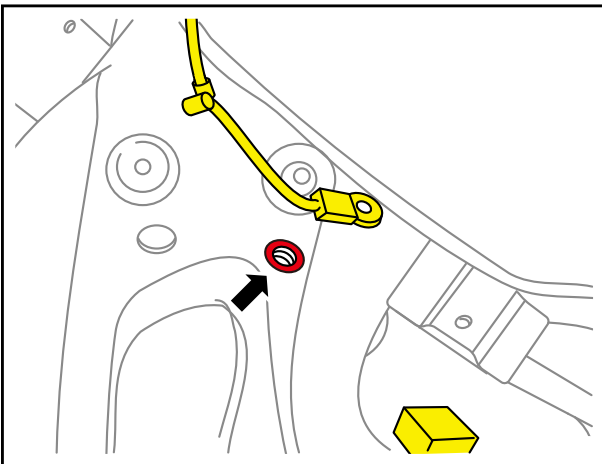
Torque: M8 bolt: 20N·m



- 2 Clean both contact surfaces of the GND copper ring at harness side (including body side and bolt side) with a coarse abrasive cloth until oxide is fully removed.



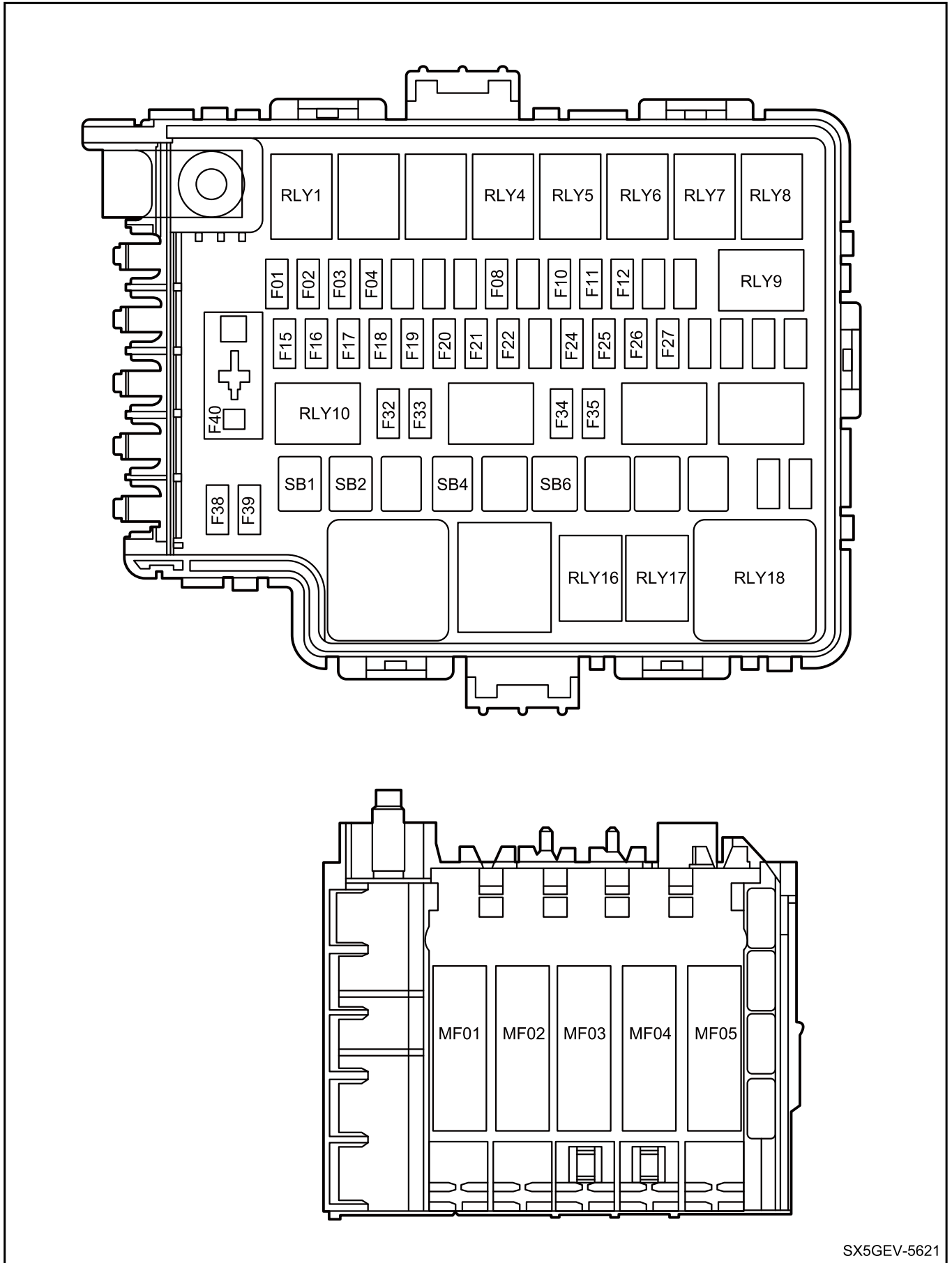
- 3 Clean the body side GND point with the coarse abrasive cloth until the surface is fully cleaned.



- 4 Mount the GND point harness and the fixing bolt, and tighten them according to the specified torque.

Torque: M6 bolt: 8N·m

Layout of Front Engine Compartment Fuses and Relays



SX5GEV-5621

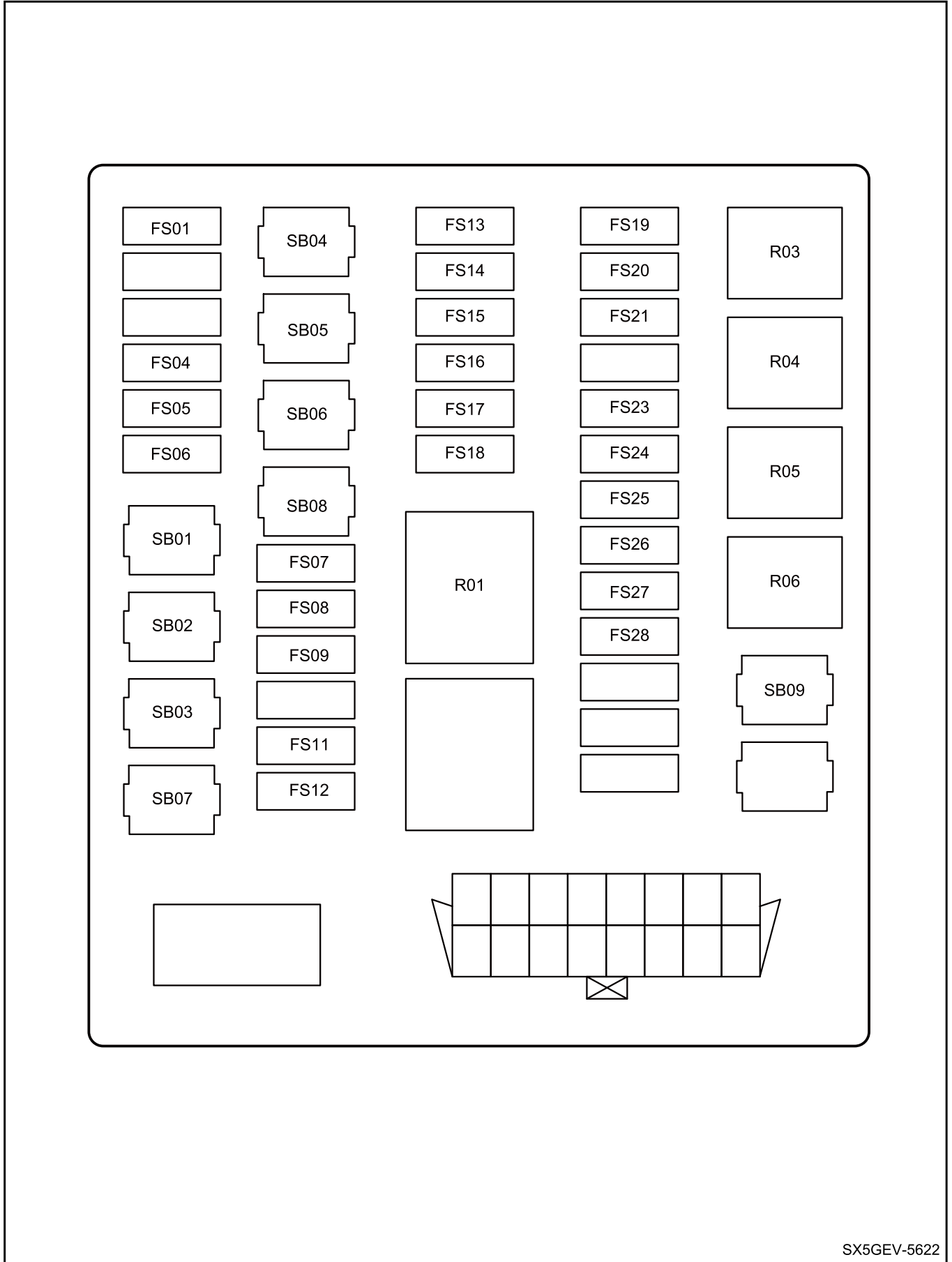
List of Front Engine Compartment Fuses

No.	Name	Rated current (A)	Description
F01	PTC coolant pump fuse	15A	-
F02	Battery pack coolant pump fuse	15A	-
F03	Motor coolant pump fuse	15A	-
F04	M/C relay output fuse	10A	-
F08	Compressor fuse	10A	-
F10	EHB IGN1 fuse	5A	-
F11	BMS & VCM IGN fuse	10A	-
F12	Engine compartment IGN1 fuse	7.5A	-
F15	MCU fuse	10A	-
F16	Power output module fuse	10A	-
F17	BMS fuse	15A	-
F18	A/C shut-off valve fuse	10A	-
F19	Battery sensor fuse	10A	-
F20	VCM fuse	15A	-
F21	MC fuse	30A	-
F22	Relay coil fuse	5A	-
F24	Front wiper intermittent fuse	20A	-
F25	Front bumper ambient light fuse	10A	-
F26	Electric horn fuse	15A	-
F27	Reversing light fuse	10A	-
F38	Audio head unit fuse	20A	-
F39	ADAS/rain/sunlight fuse	10A	-
F40	Transport mode fuse	30A	-
MF01	Battery positive fuse	125A	-
MF02	EPS fuse	60A	-
MF03	Electronic fan control fuse	80A	-
MF05	Instrument fuse box fuse	50A	-
SB1	EHB B+ fuse	60A	-
SB2	Front blower fuse	40A	-
SB4	Instrument fuse box fuse	50A	-
SB6	EHB B+ fuse	60A	-

List of Front Engine Compartment Relays

No.	Name	Description
RLY1	Compressor relay	-
RLY4	PTC coolant pump relay	-
RLY5	Low beam relay	-
RLY6	High beam relay	-
RLY7	Reversing light relay	-
RLY8	Wiper intermittent relay	-
RLY9	MCU relay	-
RLY10	Front blower relay	-
RLY16	MC relay	-
RLY17	Horn relay	-
RLY18	Electronic fan relay	-

Layout of Interior Fuse and Relay



SX5GEV-5622

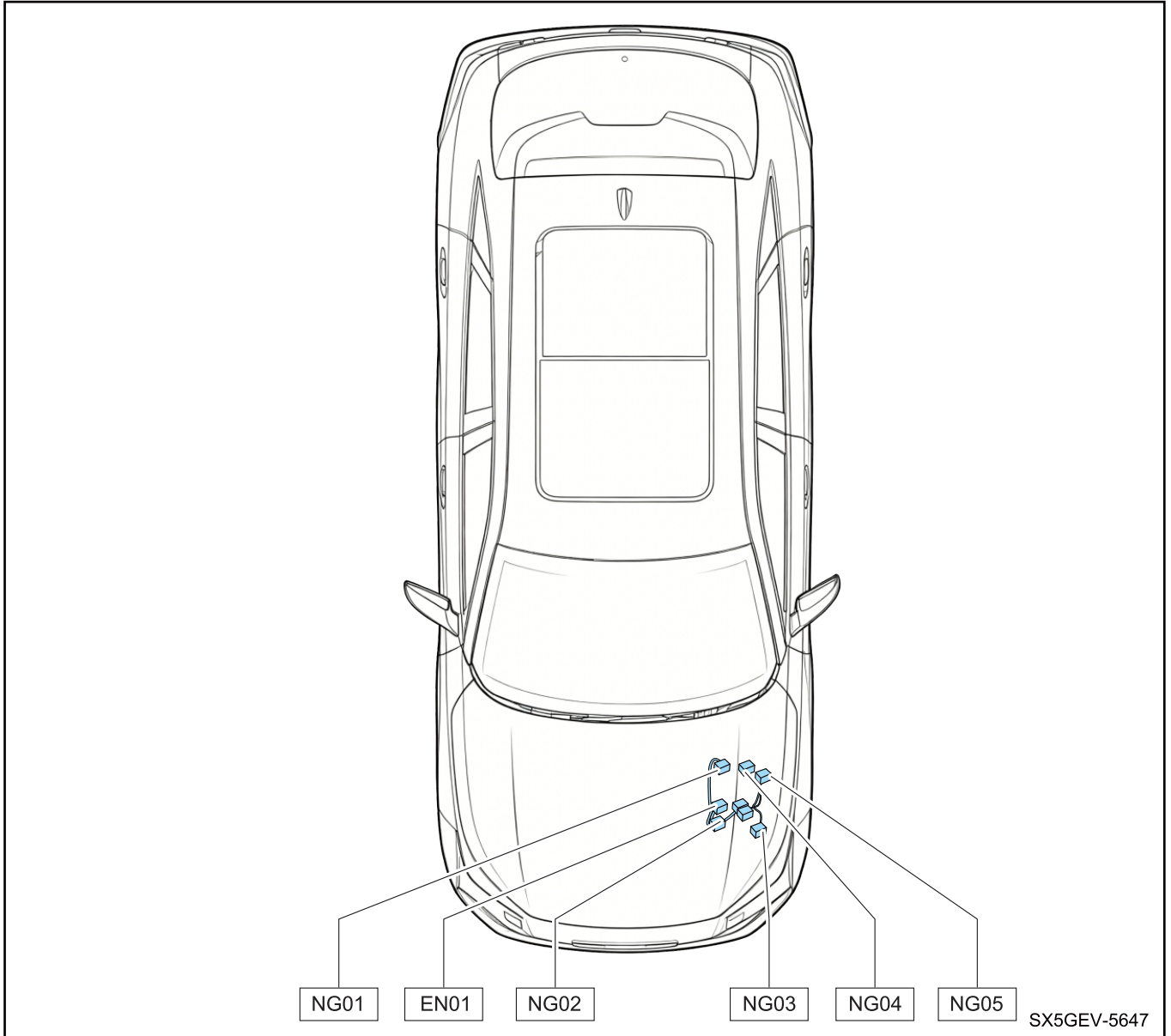
List of Interior Fuses

No.	Name	Rated current (A)	Description
FS01	Towing hook fuse	30A	-
FS04	Diagnosis fuse	10A	-
FS05	Interior light fuse	20A	-
FS06	Instrument cluster 1 fuse	10A	-
FS07	Interior roof light fuse	10A	-
FS08	Sunroof fuse	20A	-
FS09	Seat heater fuse	20A	-
FS11	A/C controller 1 fuse	10A	-
FS12	Front washer fuse	10A	-
FS13	Airbag fuse	10A	-
FS14	A/C controller 2 fuse	7.5A	-
FS15	Instrument cluster 2 fuse	7.5A	-
FS16	Engine compartment IGN1 fuse	15A	-
FS17	Roof IGN2 fuse	15A	-
FS18	Instrument IGN2 fuse	7.5A	-
FS19	Backlight fuse	5A	-
FS20	Front right and rear left position light fuse	10A	-
FS21	Front left and rear right position light fuse	10A	-
FS23	12V power supply fuse	15A	-
FS24	USB power supply fuse	10A	-
FS25	Instrument ACC fuse	10A	-
FS26	Blower signal feedback fuse	5A	-
FS27	Panoramic view fuse	5A	-
FS28	Rear defroster feedback fuse	7.5A	-
SB01	Ignition switch fuse	40A	-
SB02	Door lock fuse	20A	-
SB03	Left door control module fuse	30A	-
SB04	Right door control module fuse	30A	-
SB05	Power seat fuse	25A	-
SB06	Rear defroster fuse	25A	-
SB07	Front and rear wiper fuse	20A	-
SB08	EPB controller 1 fuse	30A	-
SB09	EPB controller 2 fuse	30A	-

List of Interior Relays

No.	Name	Description
R01	ACC relay 2	-
R03	IGN1 relay	-
R04	IGN2 relay	-
R05	Rear defroster relay	-
R06	ACC relay 1	-

Layout of Battery Harness

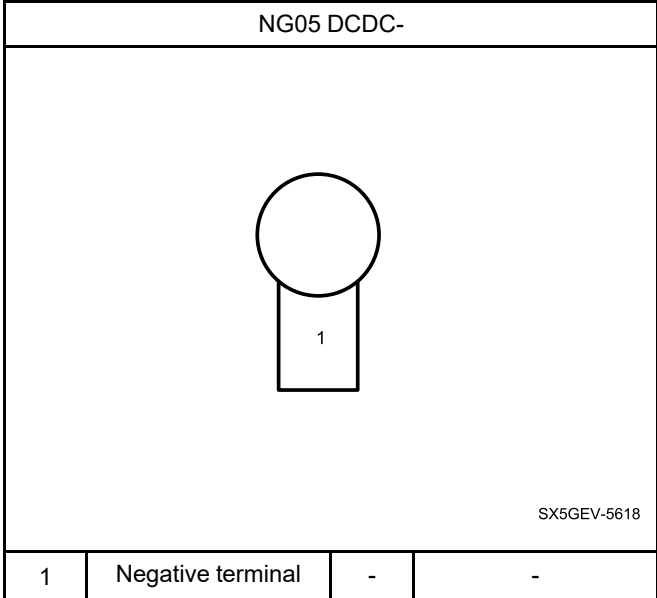
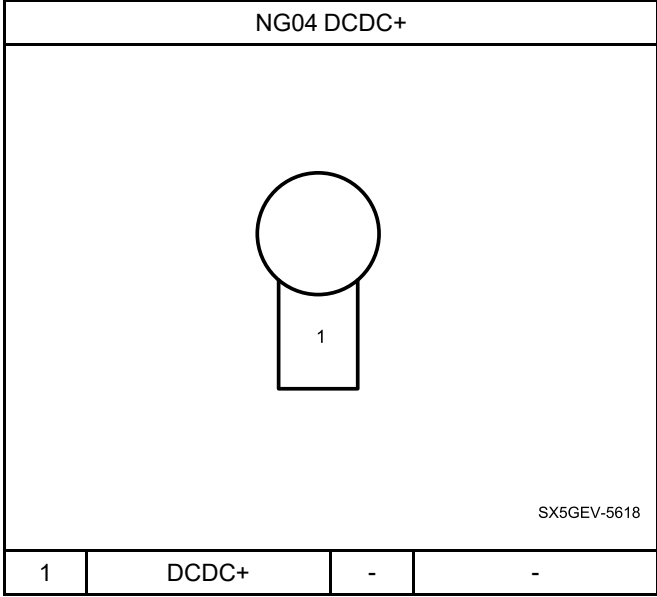
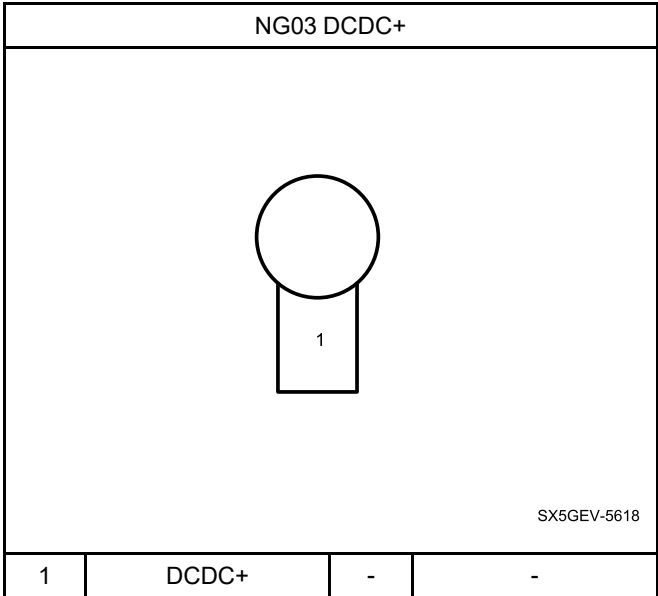
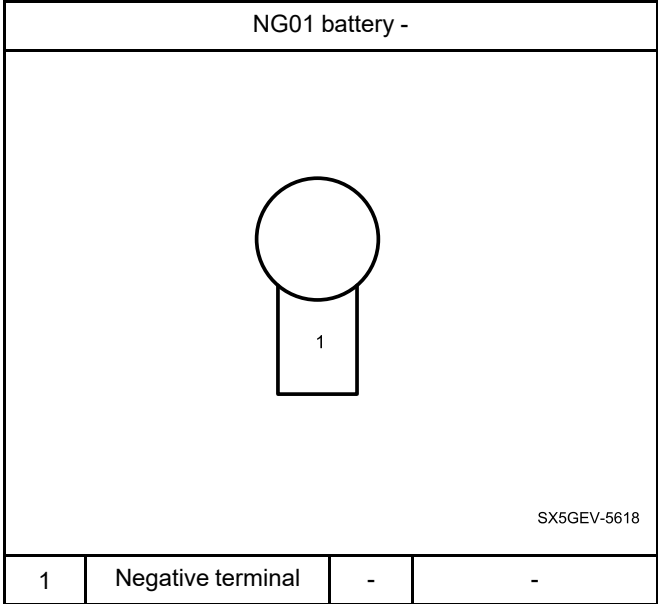
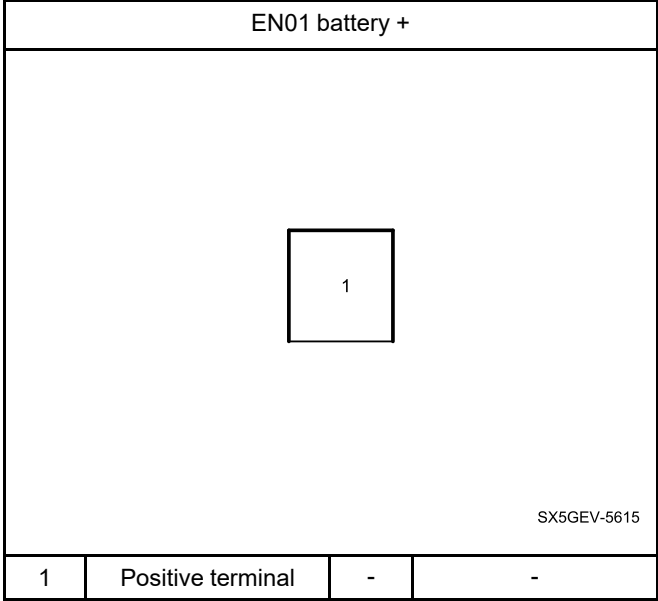


SX5GEV-5647

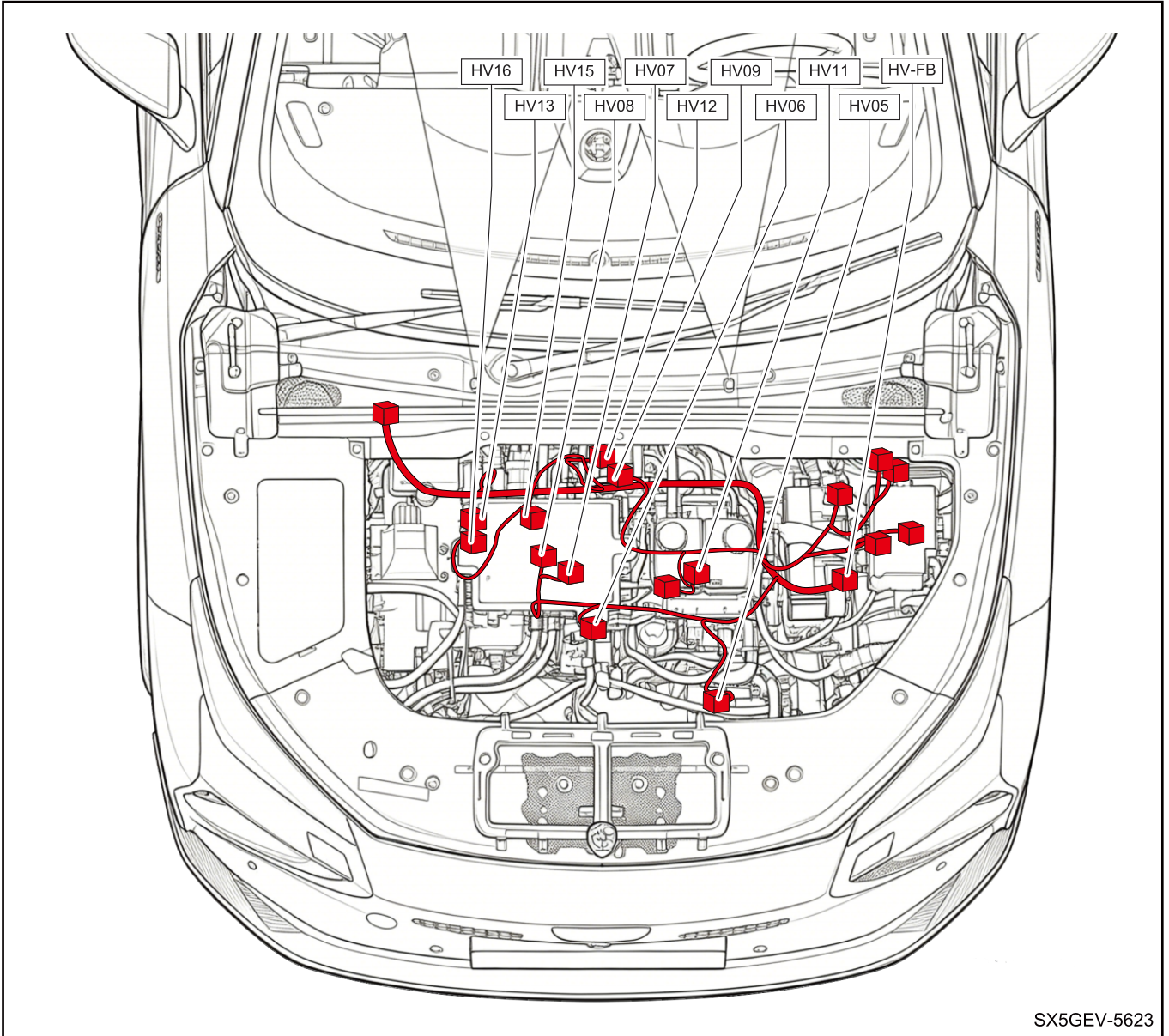
List of Battery Harness Connectors

Harness connector	Name	Harness connector	Name
EN01	Battery +	NG01	Battery -
NG03	DCDC+	NG04	DCDC+
NG05	DCDC-	-	-

Battery harness terminal definition



Layout of High-voltage and Low-voltage System Harnesses



List of high-voltage and low-voltage system harness connectors

Harness connector	Name	Harness connector	Name
HV-FB	Low-voltage control harness of high-voltage system - engine compartment harness	HV11	PDU
HV05	Compressor	HV12	Three-way proportional valve
HV06	PTC coolant pump	HV13	Cabin valve body
HV07	Temperature and pressure sensor	HV15	MCU
HV08	Electronic expansion valve	HV16	Battery pack coolant pump
HV10	PTC housing GND	HV01	Body GND point 1
HV09	PTC	HV02	Body GND point 2

Definition of high-voltage and low-voltage system harness terminals

HV-FB Low-voltage control harness of high-voltage system
- engine compartment harness

SX5GEV-5591

HV05 compressor

SX5GEV-5592

1	-	2	Lin
3	High-voltage interlocking 2	4	High-voltage interlocking 2
5	GND	6	-
7	-	8	Compressor power supply

HV06 PTC coolant pump

SX5GEV-5593

1	GND	2	PWM
3	Power supply	-	-

HV07 temperature and pressure sensor

SX5GEV-5594

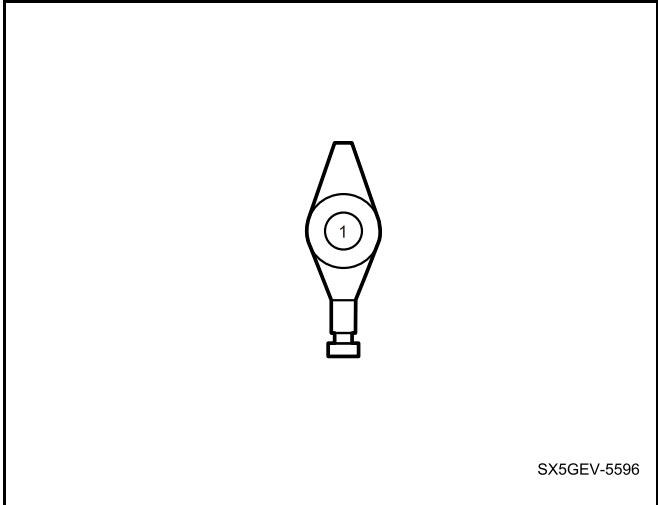
1	Sensor analog GND	2	Pressure signal
3	Temperature signal	4	Power supply

HV08 electronic expansion valve

SX5GEV-5595

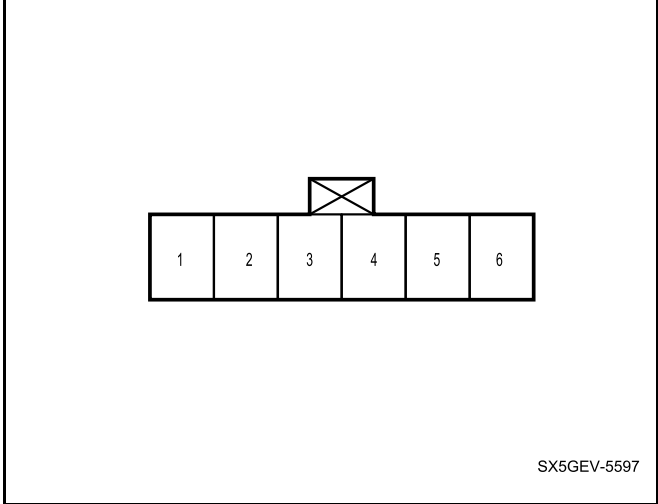
1	Lin	2	Power supply
3	GND	-	-

HV10 PTC housing GND



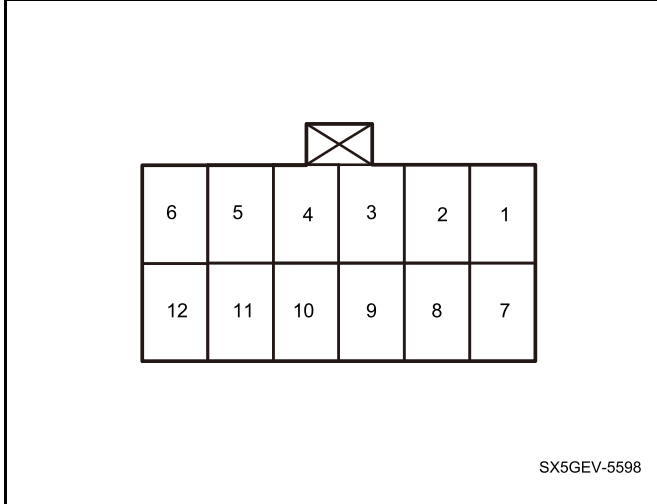
1	GND	-	-
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HV09 PTC



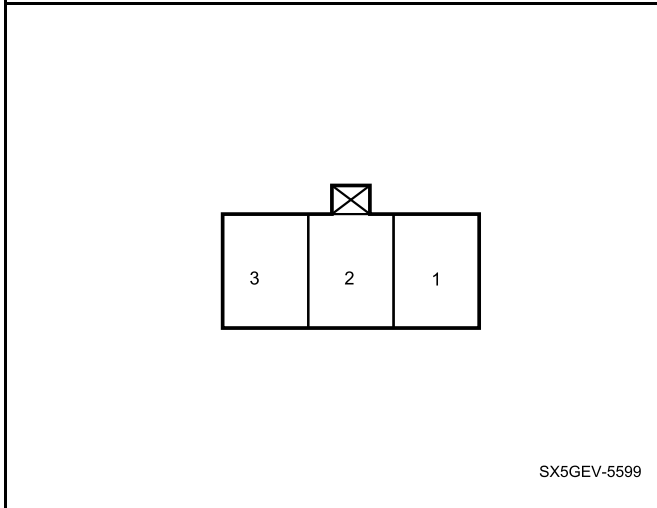
1	Power supply	2	GND
3	LIN	4	-
5	High-voltage interlocking 2	6	High-voltage interlocking 2

HV11 PDU

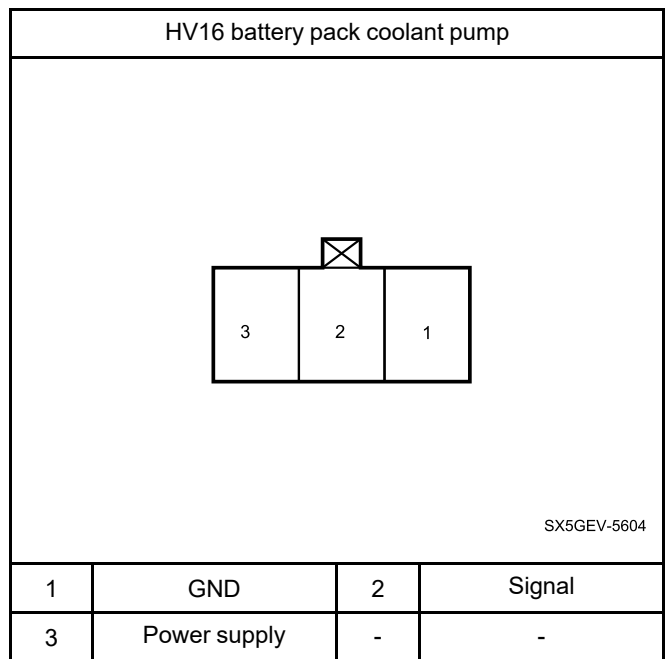
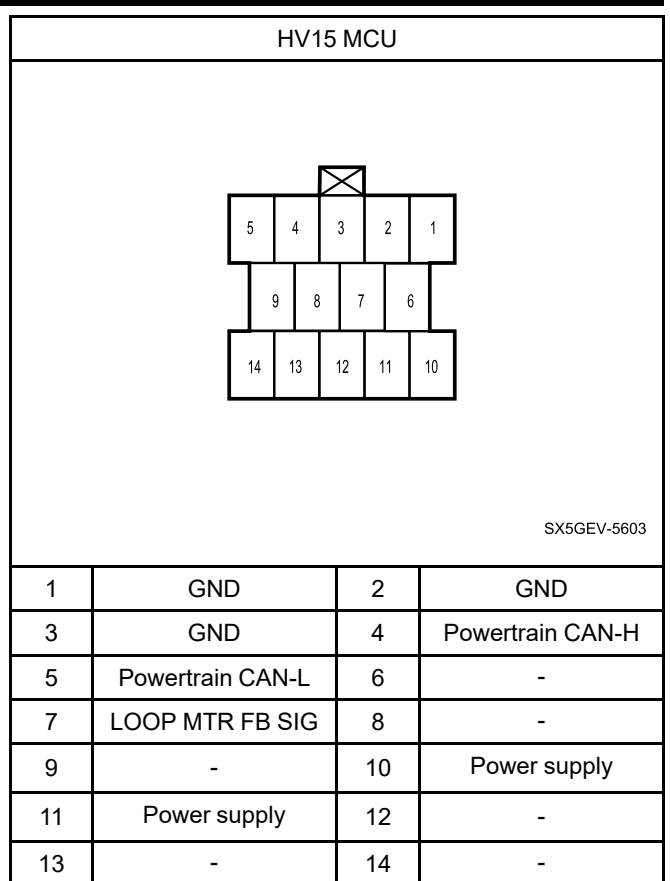
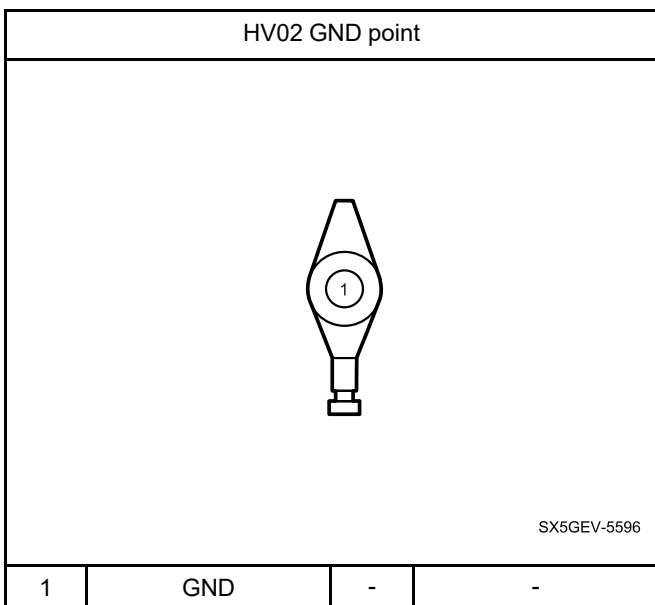
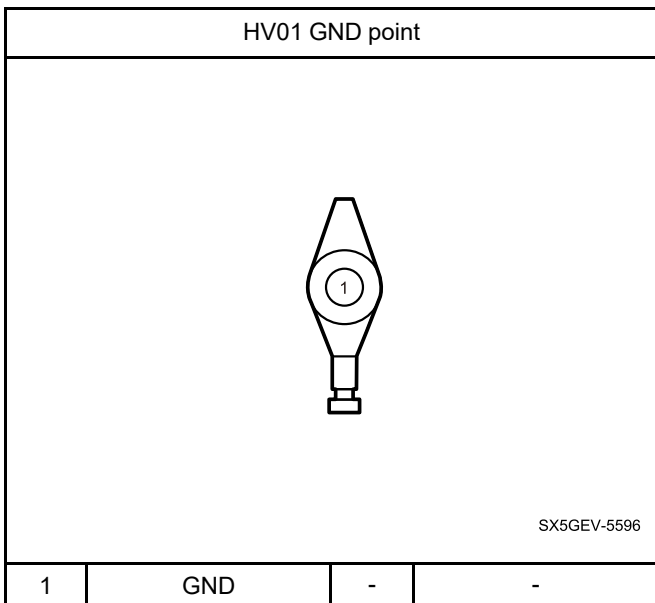
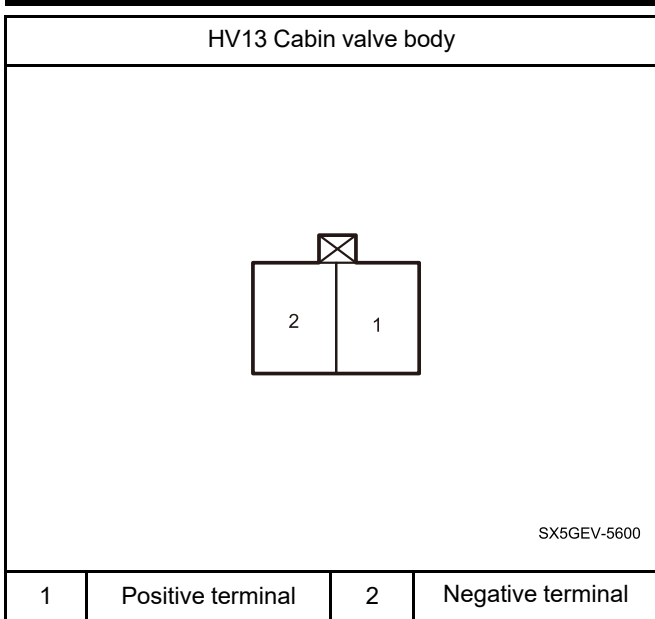


1	Power supply	2	Power supply
3	GND	4	High-voltage interlocking 2
5	Fast charging relay adhesion detection signal	6	Cruise control relay control terminal
7	-	8	-
9	High-voltage interlocking 2	10	High-voltage interlocking 1
11	High-voltage interlocking 1	12	-

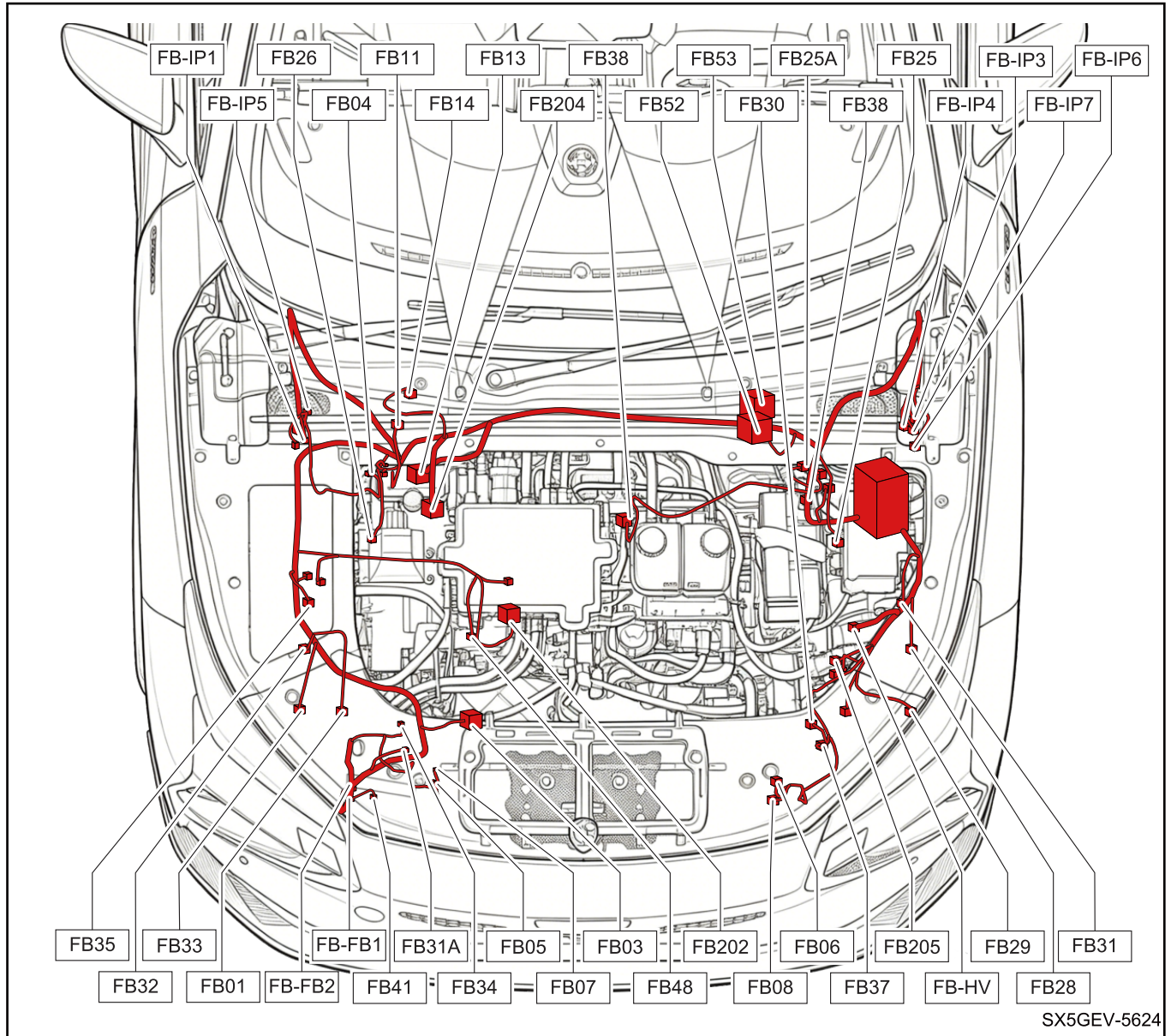
HV12 three-way proportional valve



1	GND	2	LIN
3	Power supply	-	-



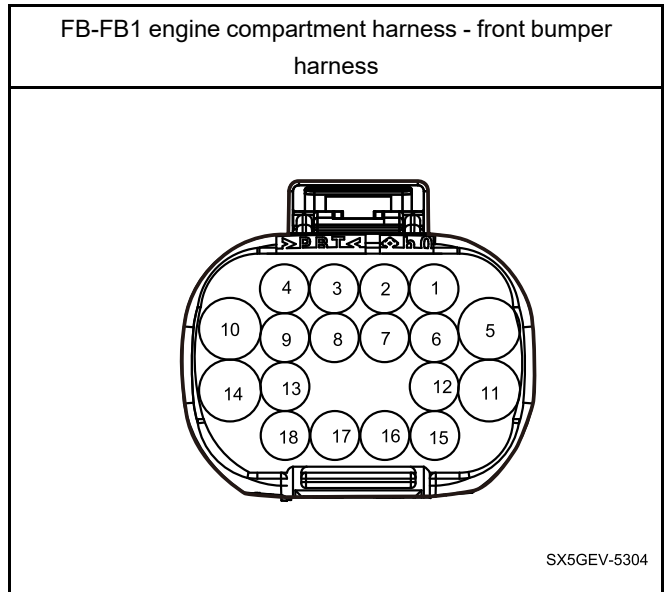
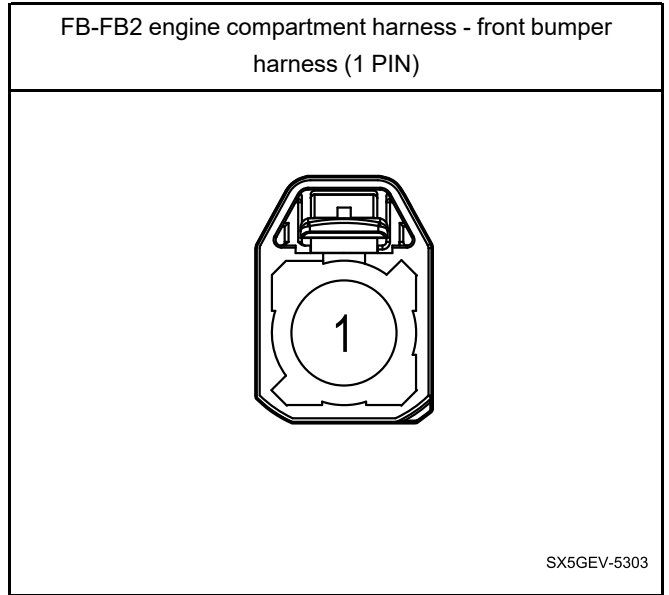
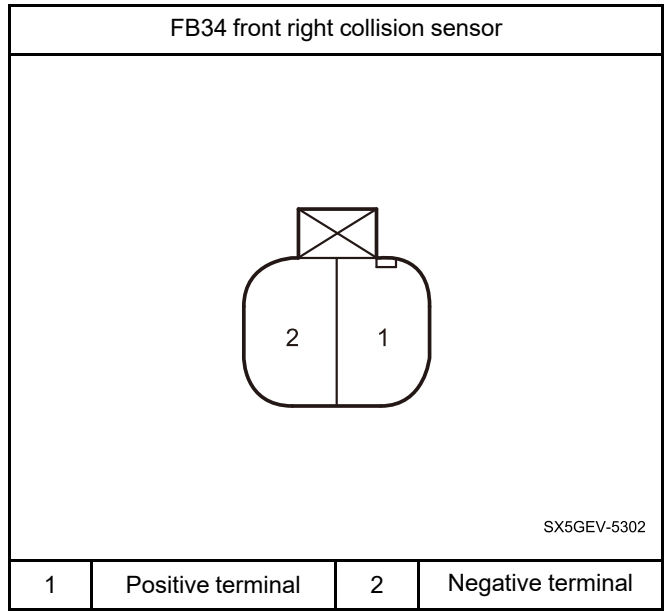
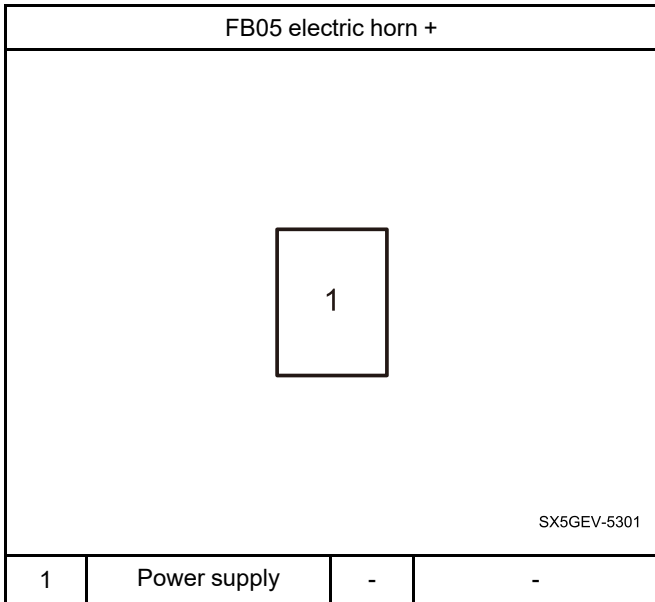
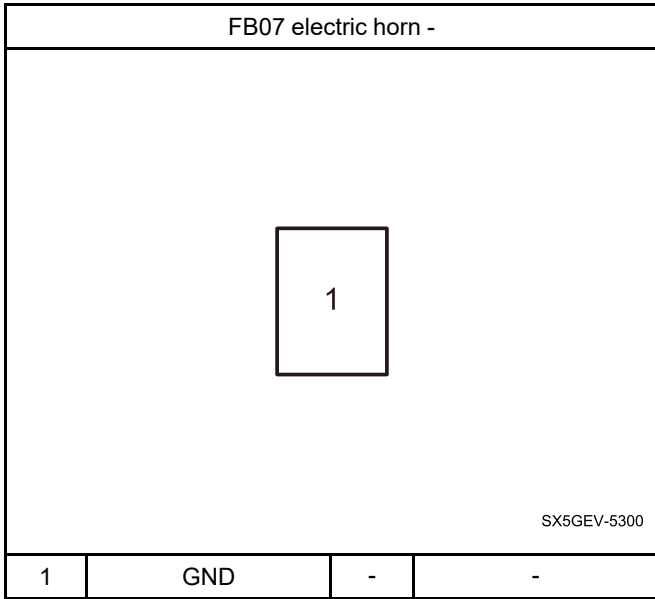
13.5.3 Front engine compartment harness Layout of Front Engine Compartment Harness

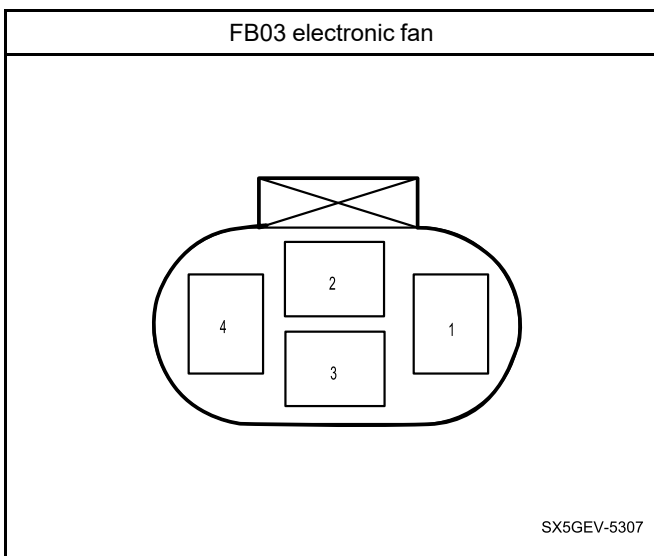
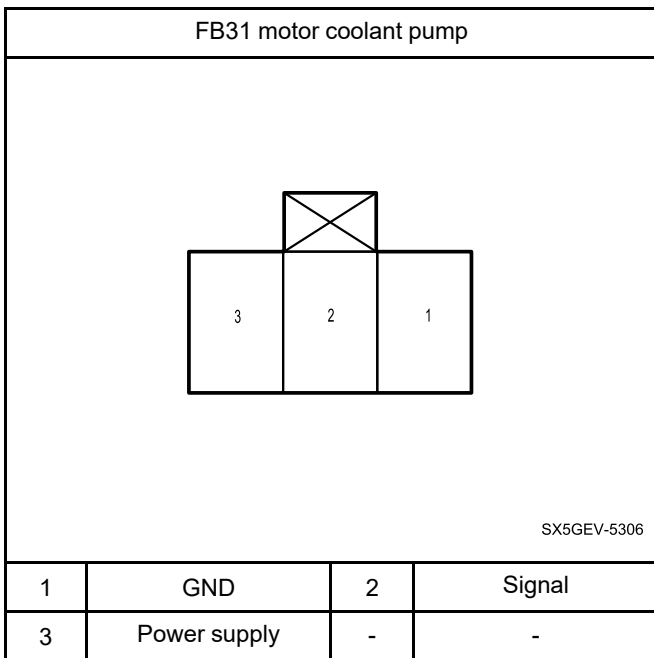
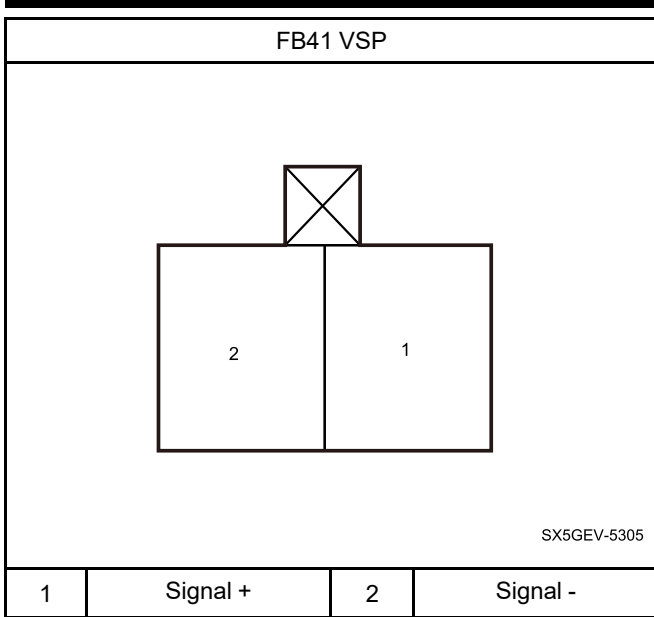


List of Front Engine Compartment Harness Connectors

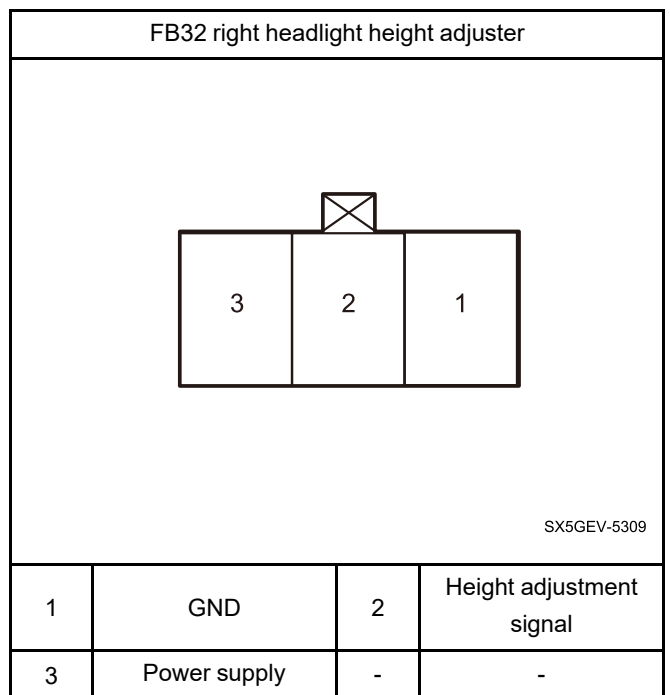
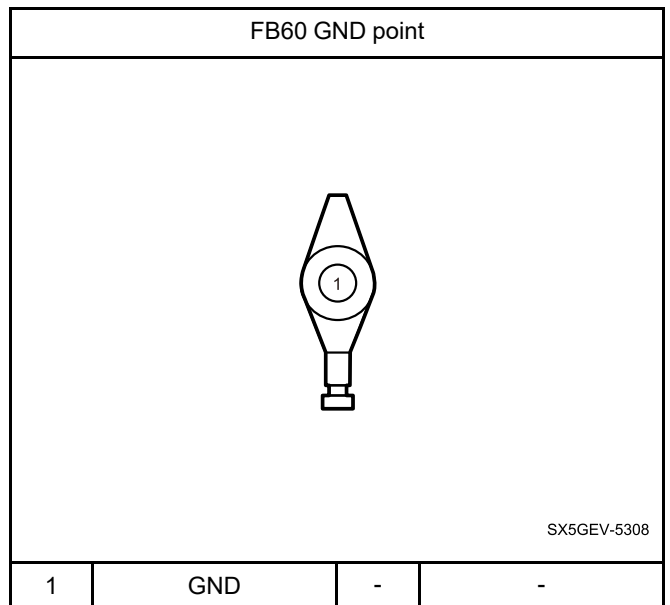
Harness connector	Name	Harness connector	Name
FB07	Electric horn -	FB04	Electronic accelerator pedal
FB05	Electric horn +	FB06	Electric horn +
FB34	Front right collision sensor	FB37	Exterior temperature sensor
FB-FB2	Engine compartment harness – front bumper harness (1 PIN)	FB30	Front left collision sensor
FB-FB1	Engine compartment harness – front bumper harness	FB205	Engine compartment harness-charging harness
FB41	VSP	FB16	GND point 7
FB31	Motor coolant pump	FB15	GND point 8
FB03	Electronic fan	FB29	Front left combination light
FB60	GND point	FB-HV	Engine compartment harness - high-voltage system low-voltage control harness
FB32	Right headlight height adjuster	FB28	Left headlight height adjuster
FB01	Washer motor	FB31A	Left daytime running light
FB33	Front right combination light	FB25A	Battery sensor
FB35	Right daytime running light	FB19	GND point 6
FB17	GND point 3	FB38	BMS
FB201	PDU GND	FB20	GND point 5
FB203	PDU housing	FB25	Front left wheel speed sensor
FB202	Two-in-one	FB13	EHB
FB48	High-pressure sensor	FB52	VCM A
FB18	GND point 4	FB53	VCM B
FB204	EVCC	FB-IP3	Engine compartment harness - instrument panel harness (2 PIN)
FB14	Front wiper motor	FB-IP4	Engine compartment harness - instrument panel harness (1 PIN)
FB11	Brake fluid level warning switch	FB-IP7	Engine compartment harness - instrument panel harness 2 (left)
FB26	Front right wheel speed sensor	FB-IP6	Engine compartment harness - instrument panel harness 1 (left)
FB-IP5	Engine compartment harness - instrument panel harness (2PIN)	FB08	Electric horn -
FB-IP1	Engine compartment harness - instrument panel harness 1 (right)	-	-

**Definition of Front Engine Compartment
Harness Terminal**





1	Power supply	2	Power supply
3	PWM	4	GND



FB01 washer motor

SX5GEV-5310

1	Front washer output	2	Rear washer output
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FB35 right daytime running light

SX5GEV-5312

1	Turn signal power supply	2	Position light power supply
3	Daytime running light power supply	4	Turn signal light fault signal feedback
5	GND	6	LIN
7	Power supply	8	-

FB33 front right combination light

SX5GEV-5311


1	-	2	Position light GND
3	High beam GND	4	Turn signal GND
5	Low beam GND	6	-
7	Position light power supply	8	High beam power supply
9	Turn signal power supply	10	Low beam power supply

FB17 GND point 3

SX5GEV-5308

1	GND	-	-
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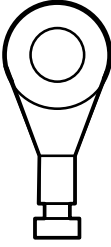
FB201 PDU GND



SX5GEV-5314

1	GND	-	-
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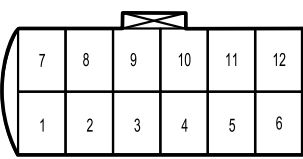
FB203 PDU housing



SX5GEV-5316

1	GND	-	-
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FB202 2-in-1

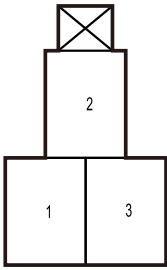


SX5GEV-5315

1	GND	2	-
3	Power supply	4	-

5	Powertrain CAN-H	6	Powertrain CAN-L
7	GND	8	-
9	Power supply	10	IG power supply
11	-	12	-

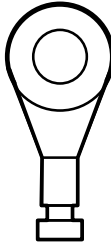
FB48 high pressure sensor



SX5GEV-5317

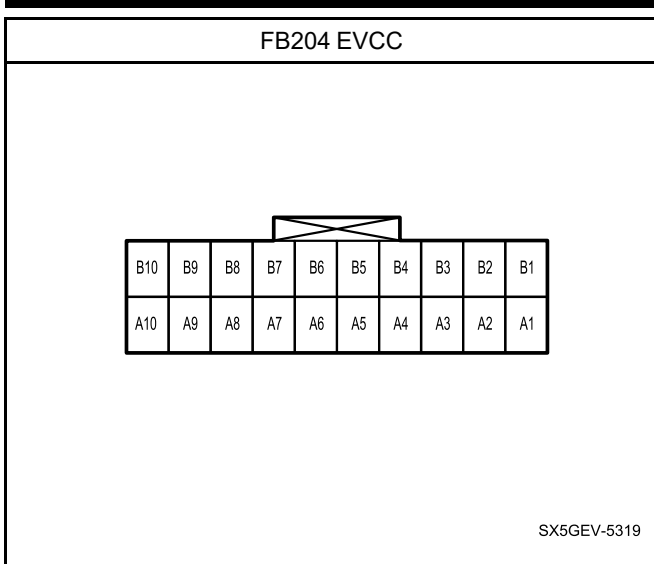
1	Sensor analog GND	2	Pressure signal
3	Sensor power supply	-	-

FB18 GND point 4

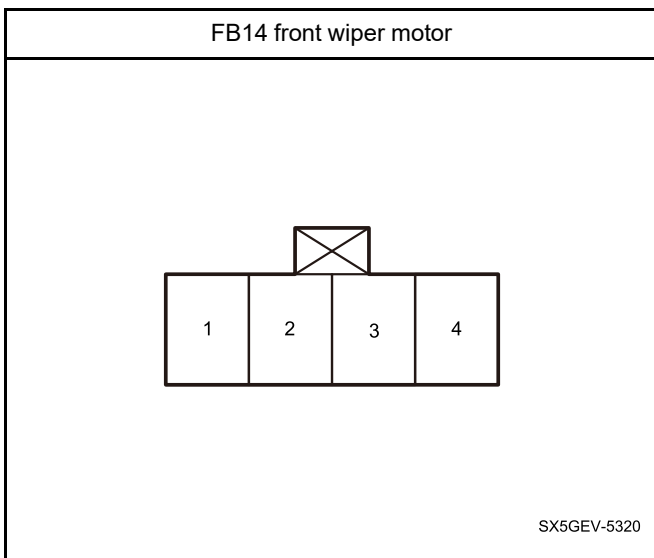


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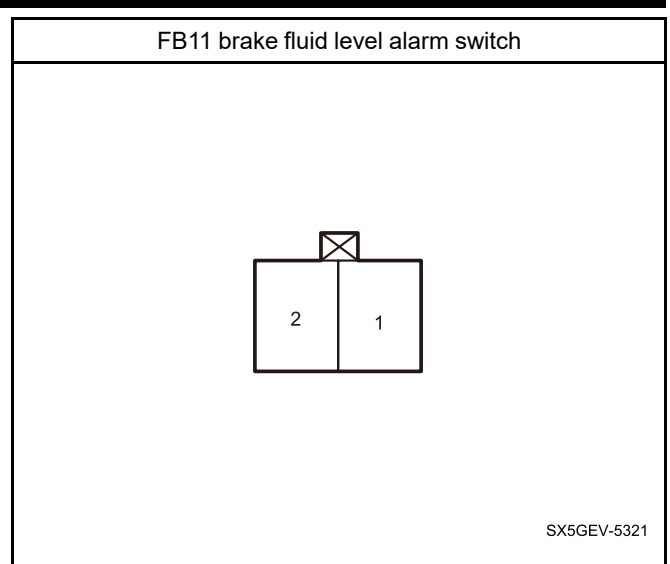
1	GND	-	-
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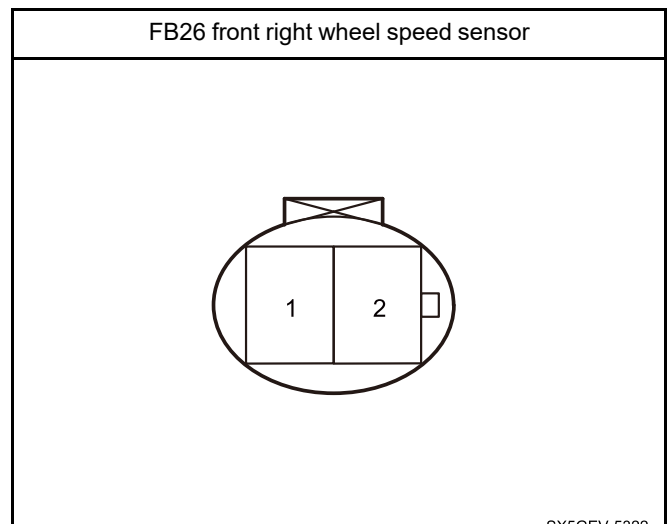
A1	GND	A2	-
A3	Fast charging CANH	A4	-
A5	Lock status signal (checkback)	A6	Lock status signal
A7	-	A8	-
A9	-	A10	GND
B1	Power supply	B2	-
B3	Fast charging CANL	B4	Shielded wire
B5	Fast charging temperature resistor common GND	B6	Slow charging temperature resistor common GND
B7	-	B8	-
B9	-	B10	Charging plug CC



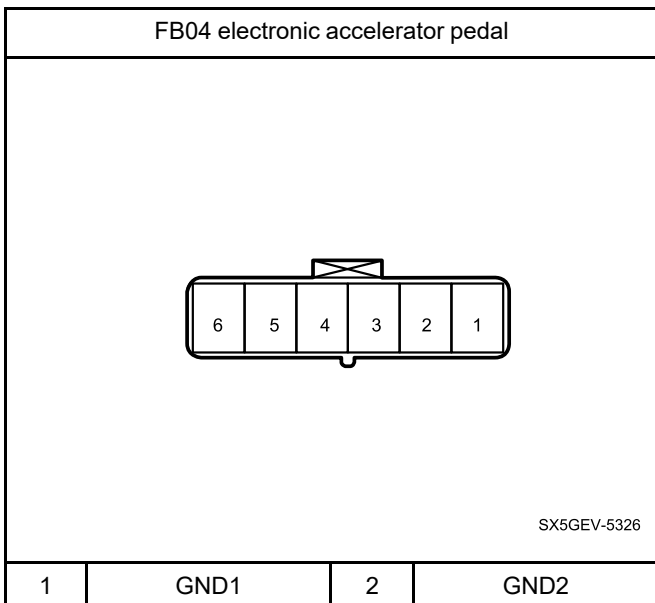
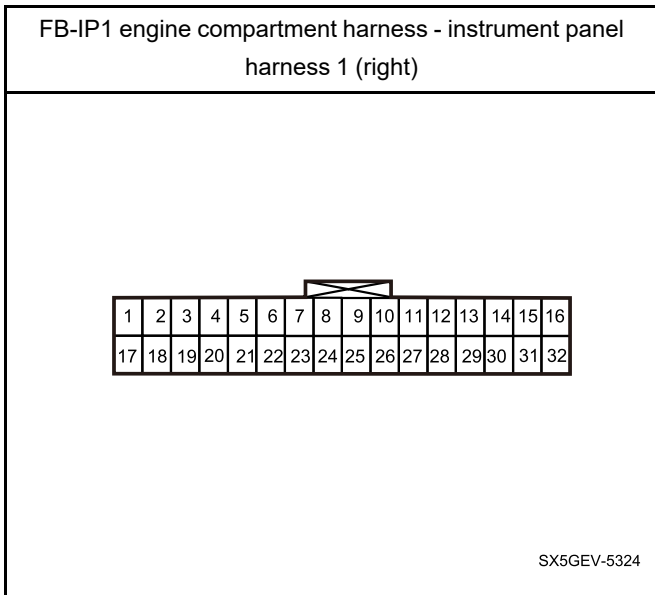
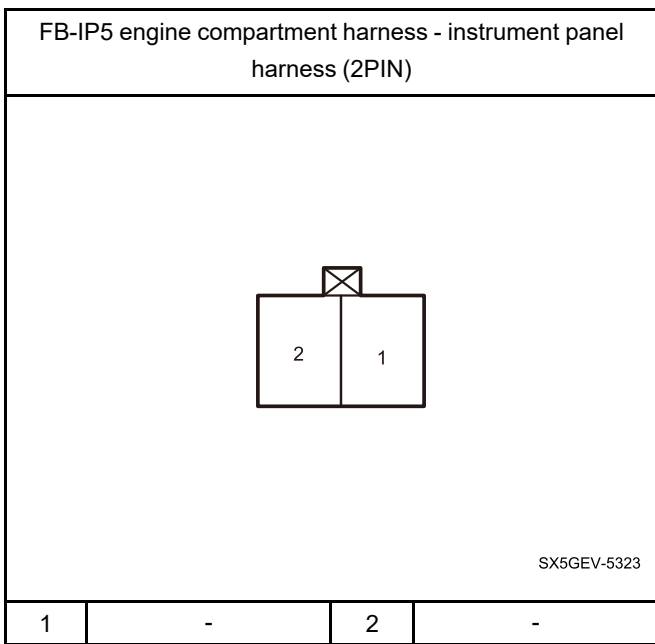
1	Wiper high-speed end	2	Wiper low-speed end
3	Return signal	4	GND



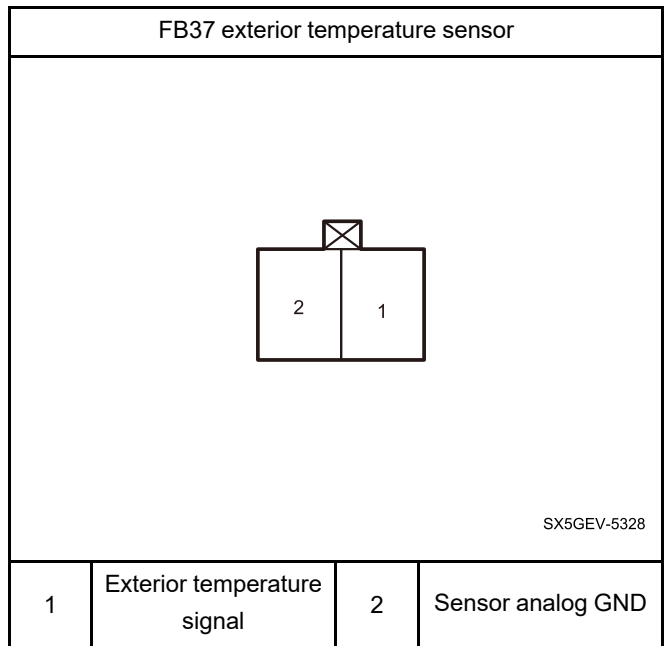
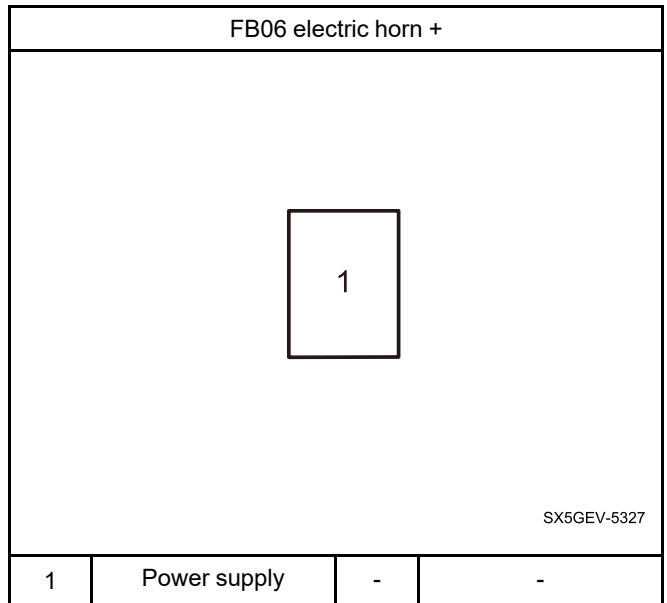
1	Brake fluid level warning switch -	2	Brake fluid level warning switch +
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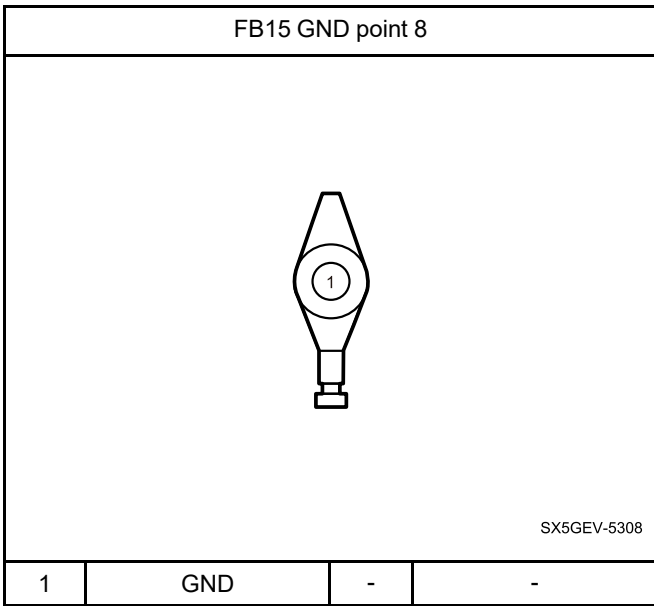
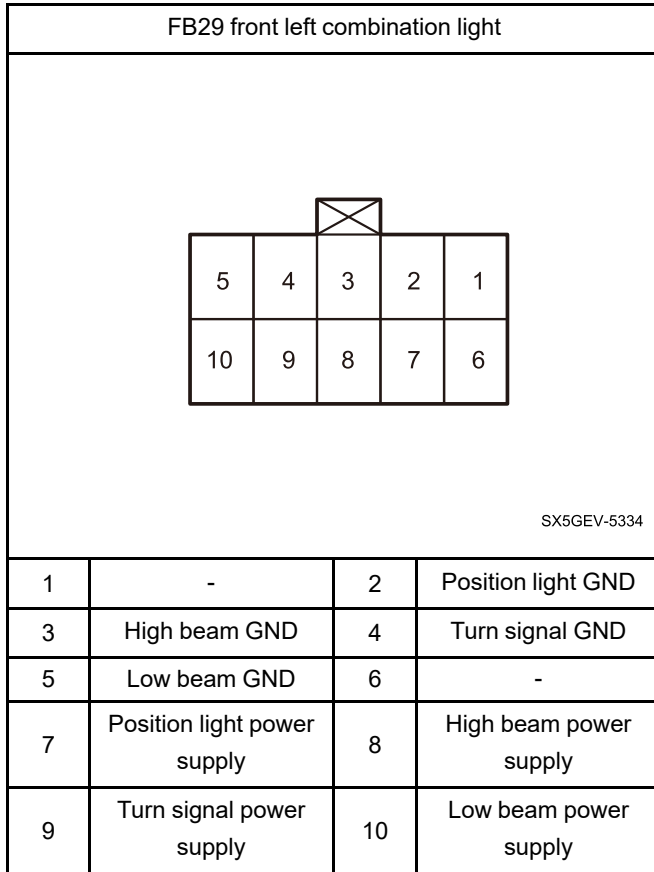
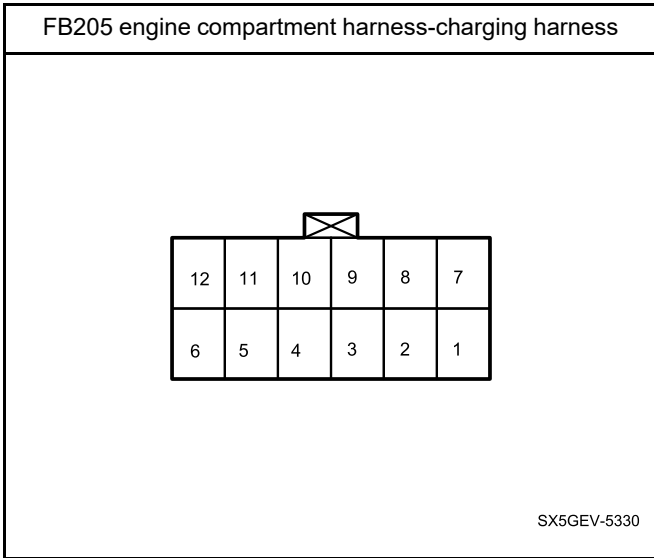
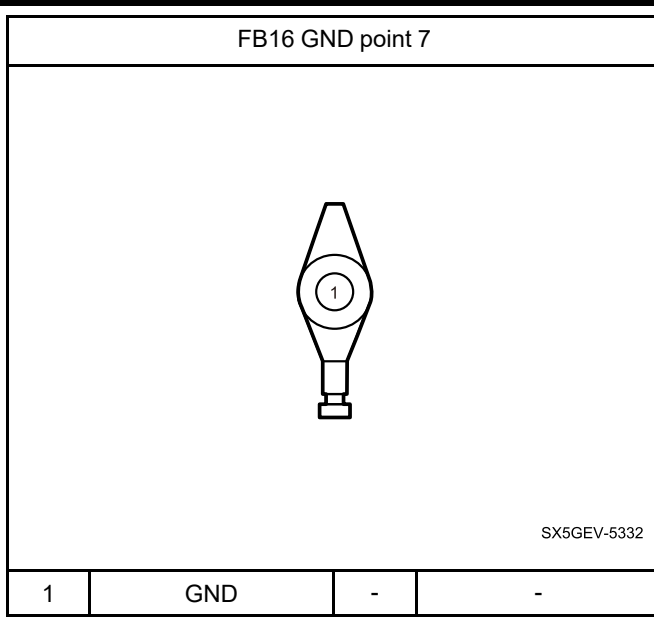
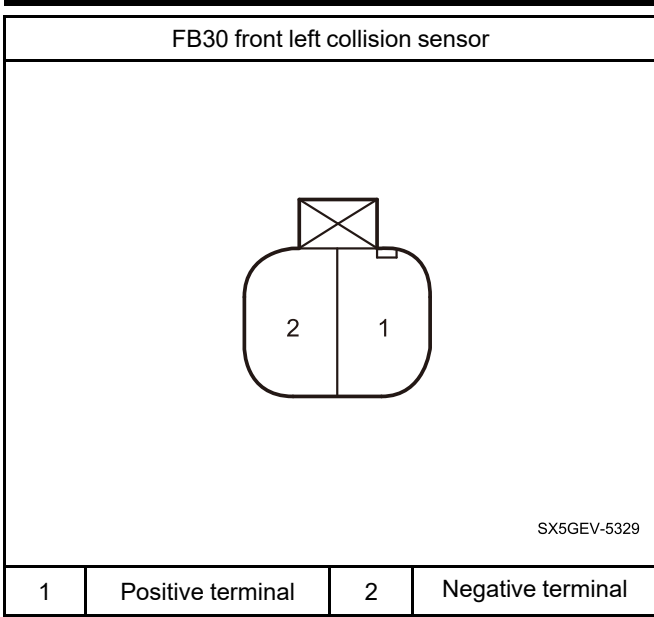


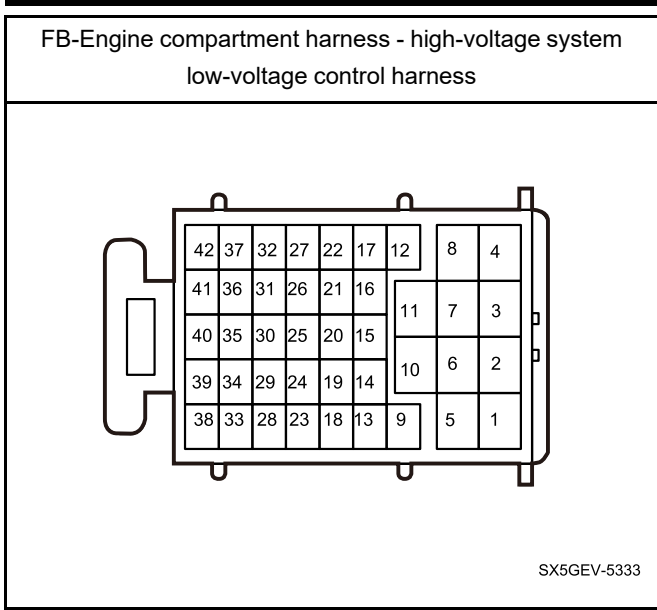
1	Front right wheel speed sensor -	2	Front right wheel speed sensor +
---	----------------------------------	---	----------------------------------



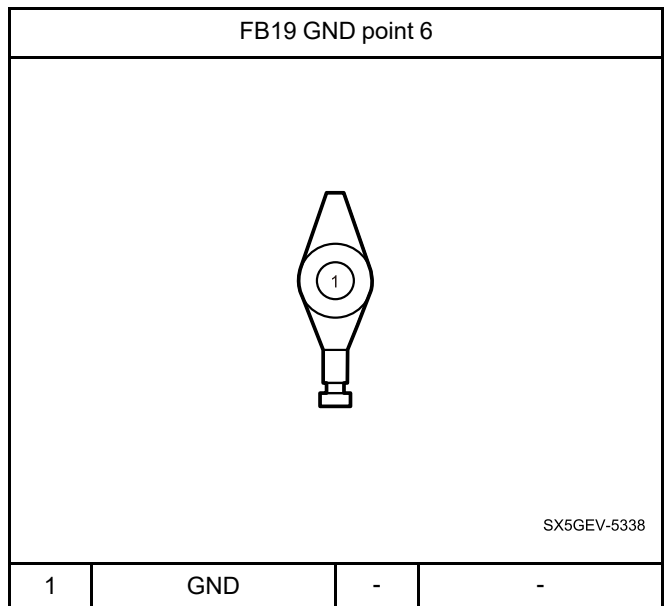
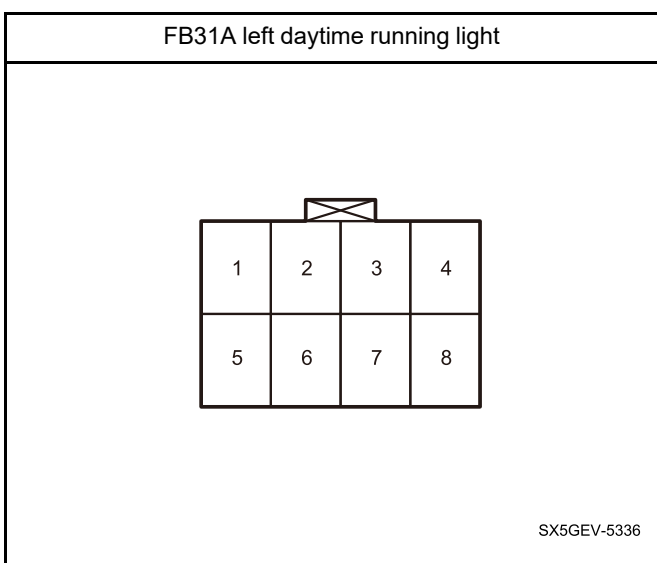
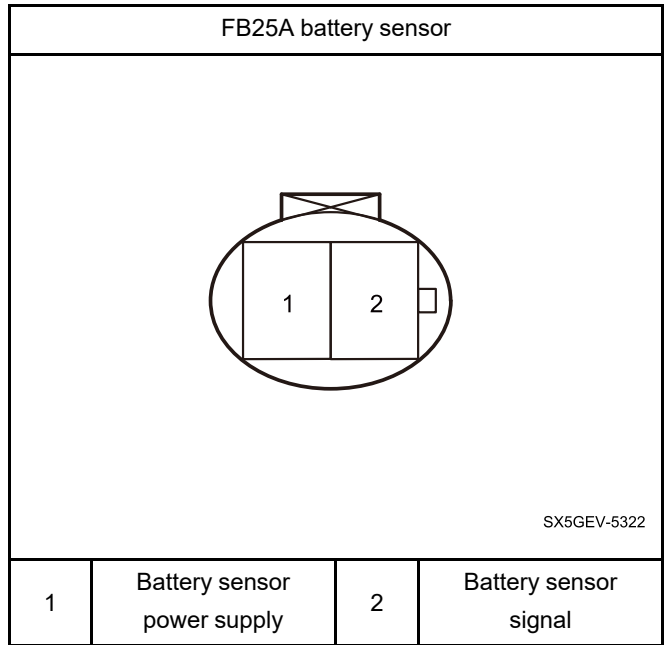
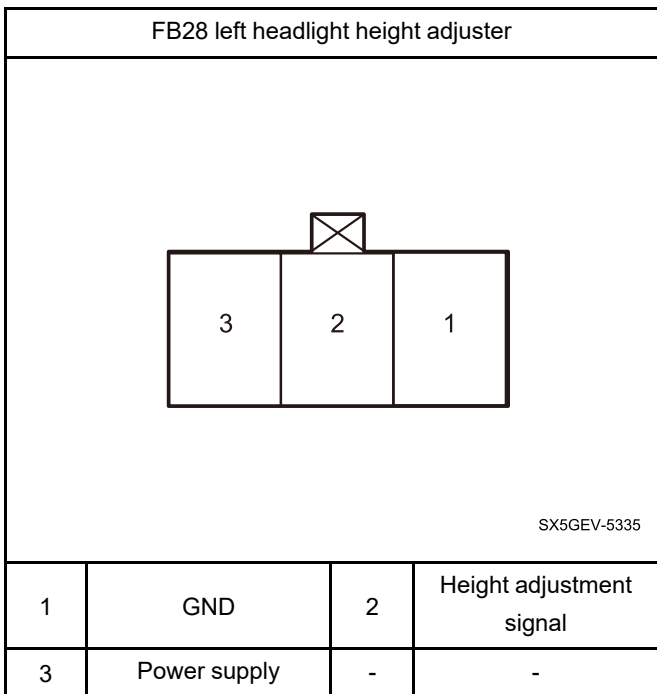
3	SIG1	4	PWM1
5	PWM2	6	SIG2

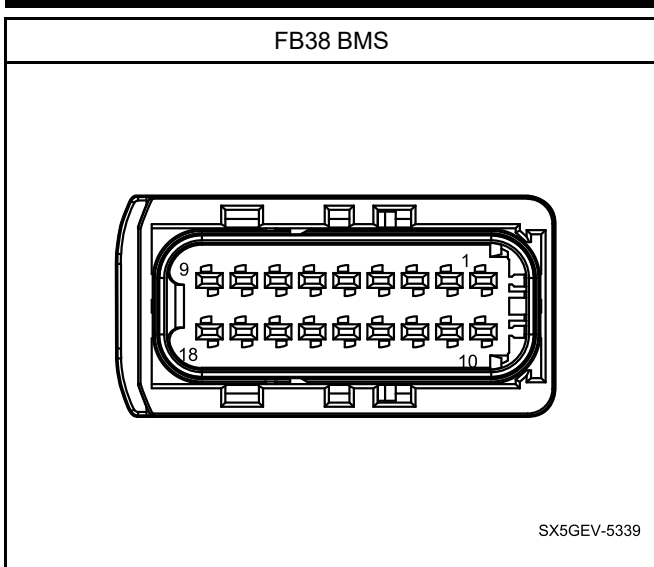




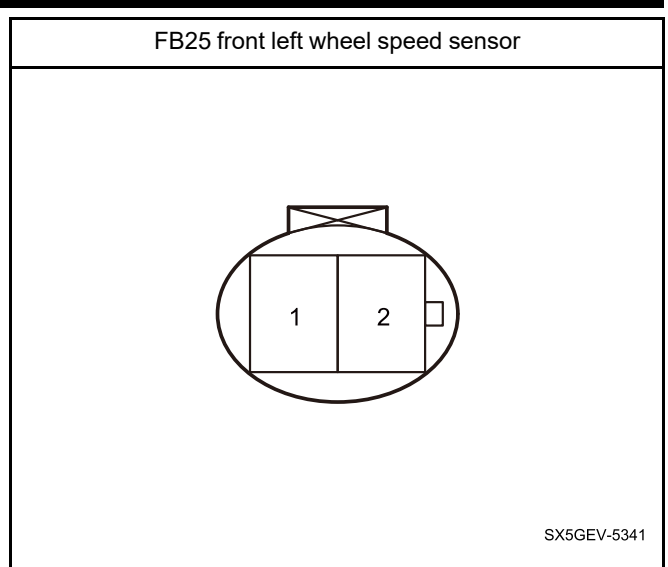
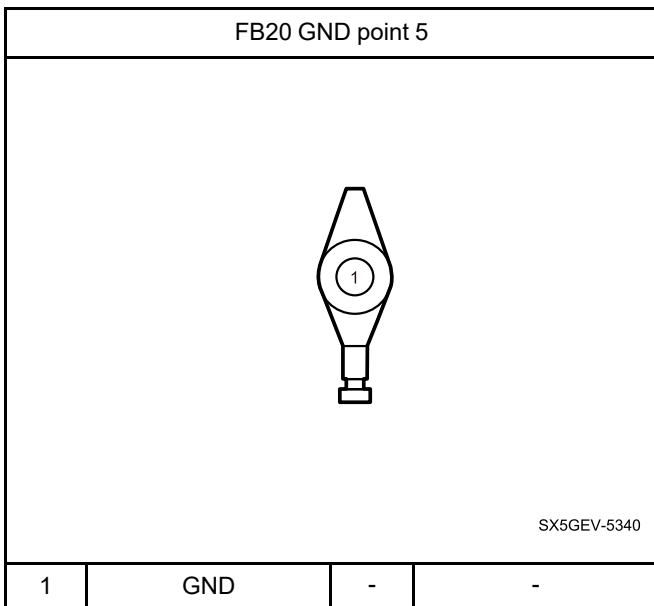


1	Turn signal power supply	2	Position light power supply
3	Daytime running light power supply	4	Turn signal light fault signal feedback
5	GND	6	-
7	Power supply	8	-

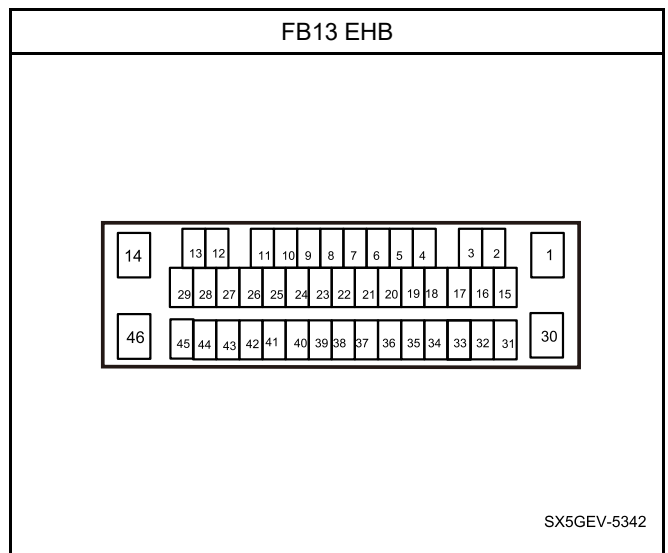




1	Power supply	2	Power supply
3	-	4	Powertrain CAN-H
5	Powertrain CAN-L	6	-
7	IGN1	8	Fast charging DC - resistance signal
9	Fast charging DC + resistance signal	10	WAKE UP
11	Fast charging CANH	12	Fast charging CANL
13	-	14	-
15	-	16	Lock power supply locking +
17	GND	18	GND



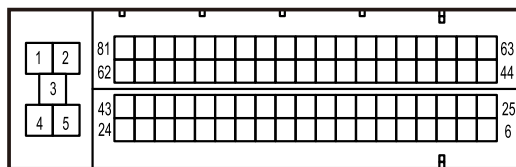
1	Front left wheel speed sensor -	2	Front left wheel speed sensor +
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1	GND	2	-
3	-	4	-
5	Safety CAN-H	6	-
7	Front left wheel speed sensor -	8	WAKE UP
9	-	10	-
11	CAN-H	12	-
13	-	14	Valve body power supply input
15	-	16	-
17	-	18	-
19	Safety CAN-L	20	Rear right wheel speed sensor +
21	Front left wheel speed sensor +	22	-

23	Rear left wheel speed sensor -	24	-
25	CAN-L	26	Front right wheel speed sensor -
27	-	28	-
29	-	30	GND
31	-	32	-
33	-	34	AVH switch indicator
35	HDC switch +	36	IG power supply
37	Rear right wheel speed sensor -	38	Brake fluid level switch signal
39	Rear left wheel speed sensor +	40	AVH switch
41	-	42	Front right wheel speed sensor +
43	-	44	-
45	-	46	Motor power supply input

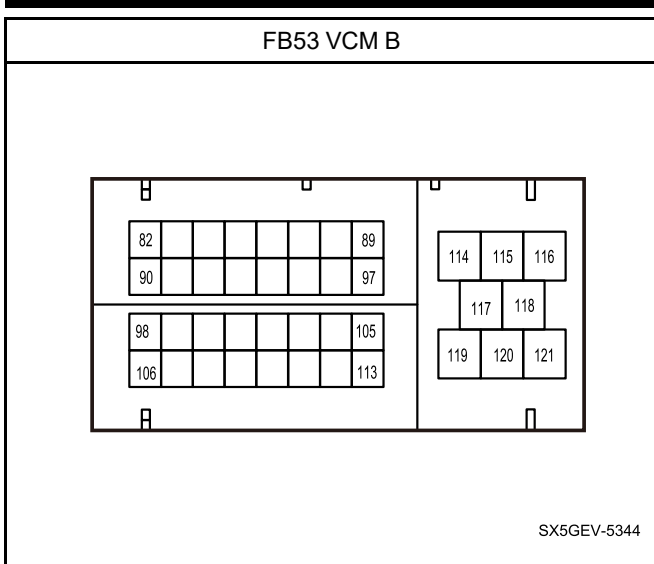
FB52 VCM A



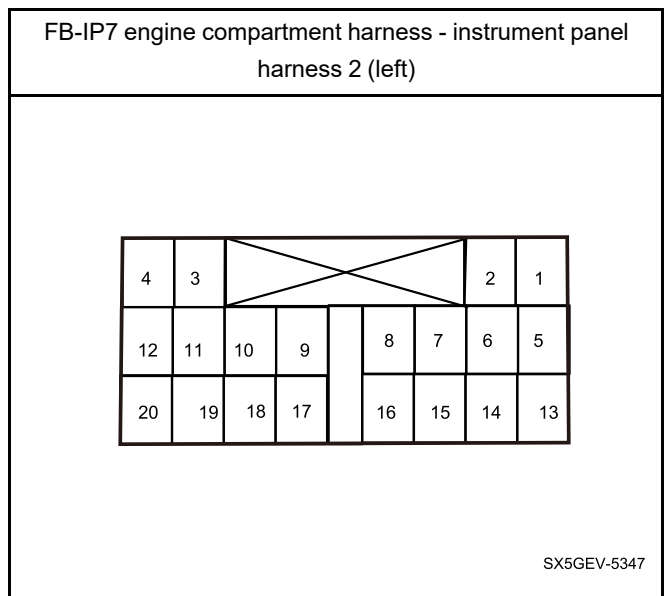
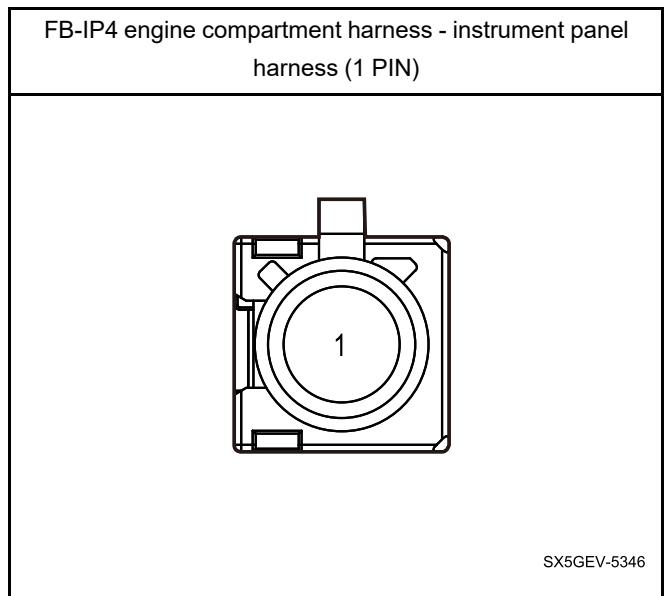
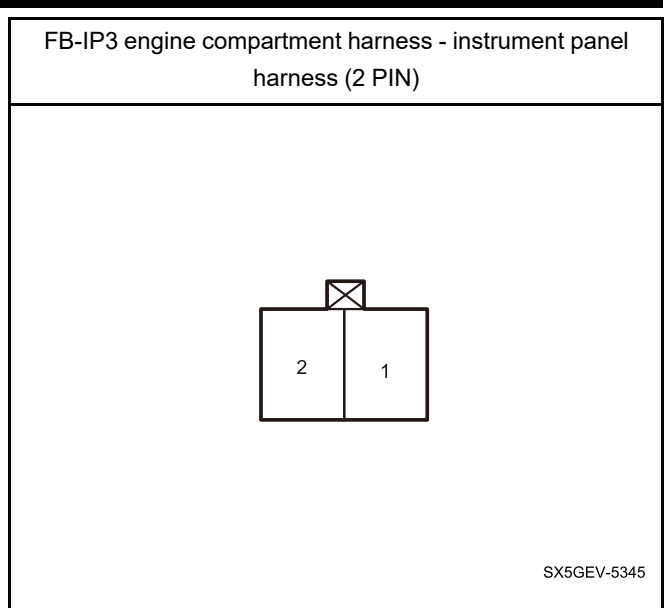
SX5GEV-5343

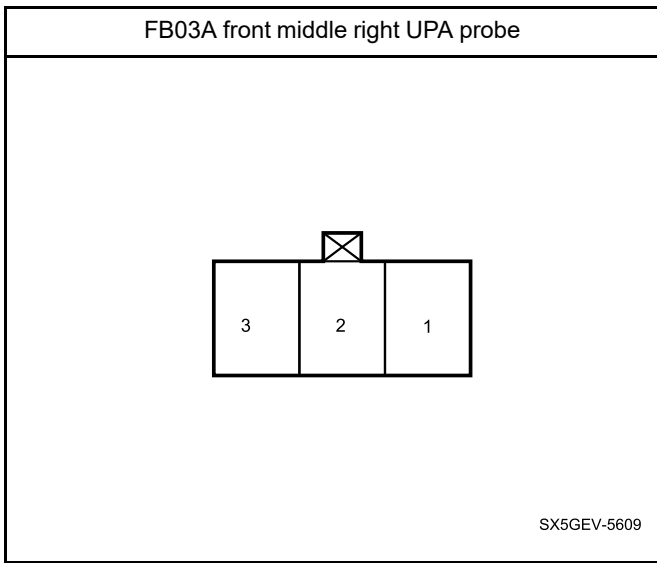
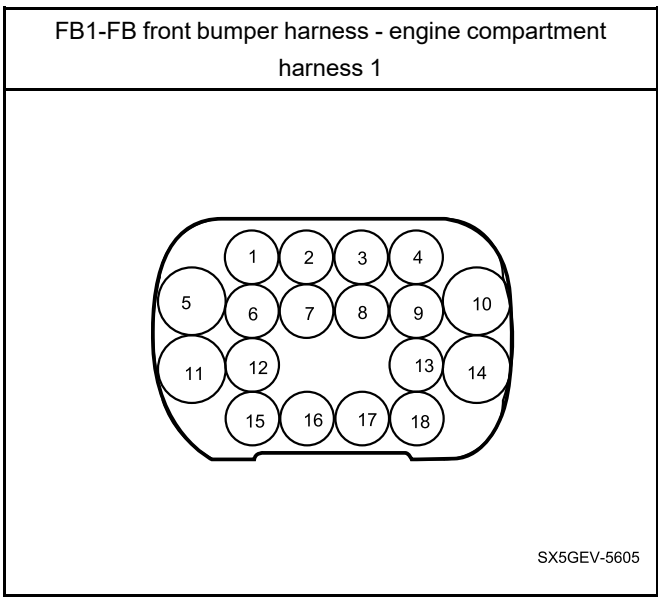
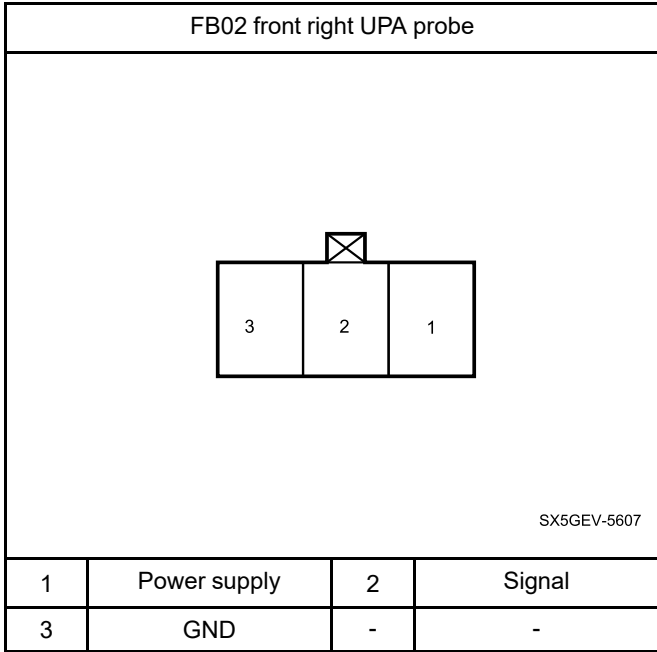
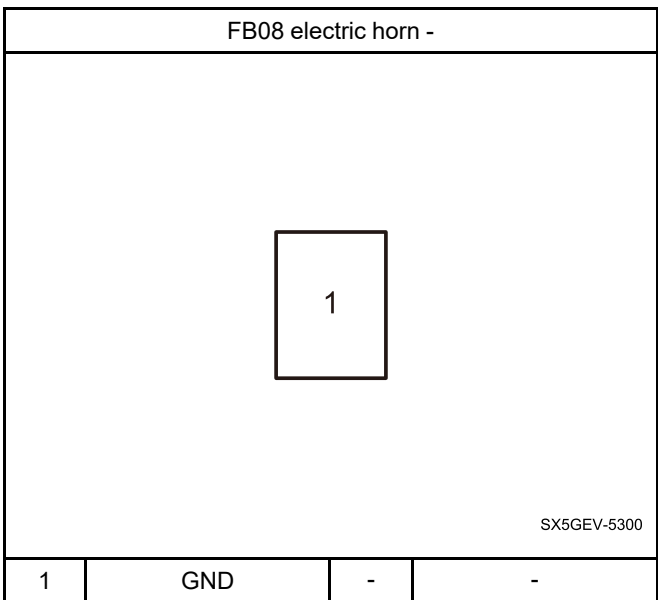
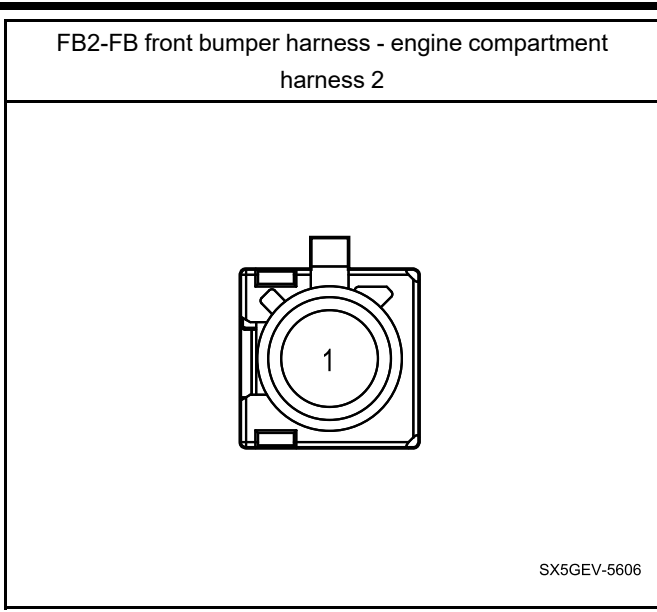
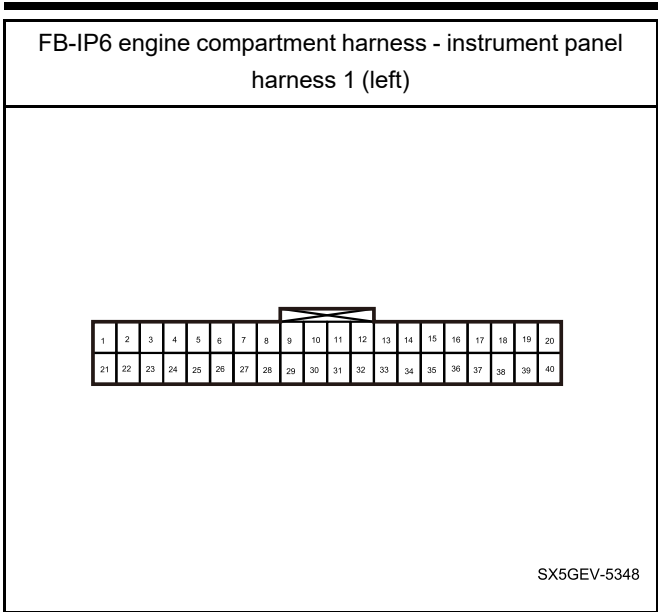
1	Power supply	2	IGN1
3	-	4	GND
5	-	6	-
7	Cruise control relay control terminal	8	-
9	Reversing light relay	10	-
11	-	12	-
13	LOOP MTR FB SIG	14	-
15	-	16	-
17	-	18	-
19	-	20	ACC switch -
21	Safety CAN-H	22	Powertrain CAN-H

23	PWM1	24	PWM2
25	-	26	-
27	-	28	-
29	-	30	-
31	-	32	-
33	Fast charging relay adhesion detection signal	34	-
35	-	36	GND1
37	-	38	-
39	Safety CAN-L	40	Powertrain CAN-L
41	-	42	-
43	Slow charging L resistance signal	44	WAKE UP
45	-	46	MCU relay
47	Slow charging N resistance signal	48	-
49	-	50	-
51	-	52	Charging plug CP
53	-	54	-
55	High-voltage interlocking 2	56	-
57	-	58	-
59	-	60	-
61	-	62	-
63	-	64	-
65	High-voltage interlocking 2	66	-
67	-	68	-
69	-	70	ACC switch +
71	-	72	-
73	-	74	-
75	-	76	-
77	-	78	-
79	Lock power supply lock -	80	-
81	-	-	-



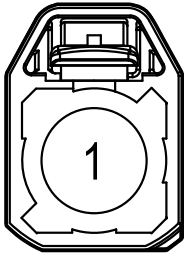
82	-	83	-
84	-	85	-
86	-	87	-
88	-	89	GND
90	-	91	-
92	-	93	-
94	-	95	-
96	-	97	-
98	-	99	-
100	-	101	-
102	-	103	-
104	-	105	-
106	-	107	-
108	-	109	-
110	-	111	-
112	-	113	-
114	Power supply	115	GND
116	-	117	-
118	-	119	-
120	-	121	-





1	Power supply	2	Signal
3	GND	-	-

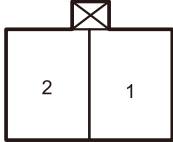
FB04A front camera



SX5GEV-5610

1	Video signal	-	-
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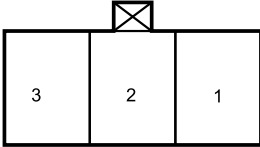
PB17 charging port cap lock



SX5GEV-5611

1	Positive terminal	2	Negative terminal
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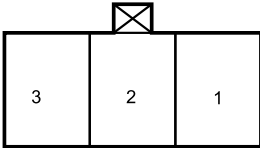
FB05A front middle left UPA probe



SX5GEV-5612

1	Power supply	2	Signal
3	GND	-	-

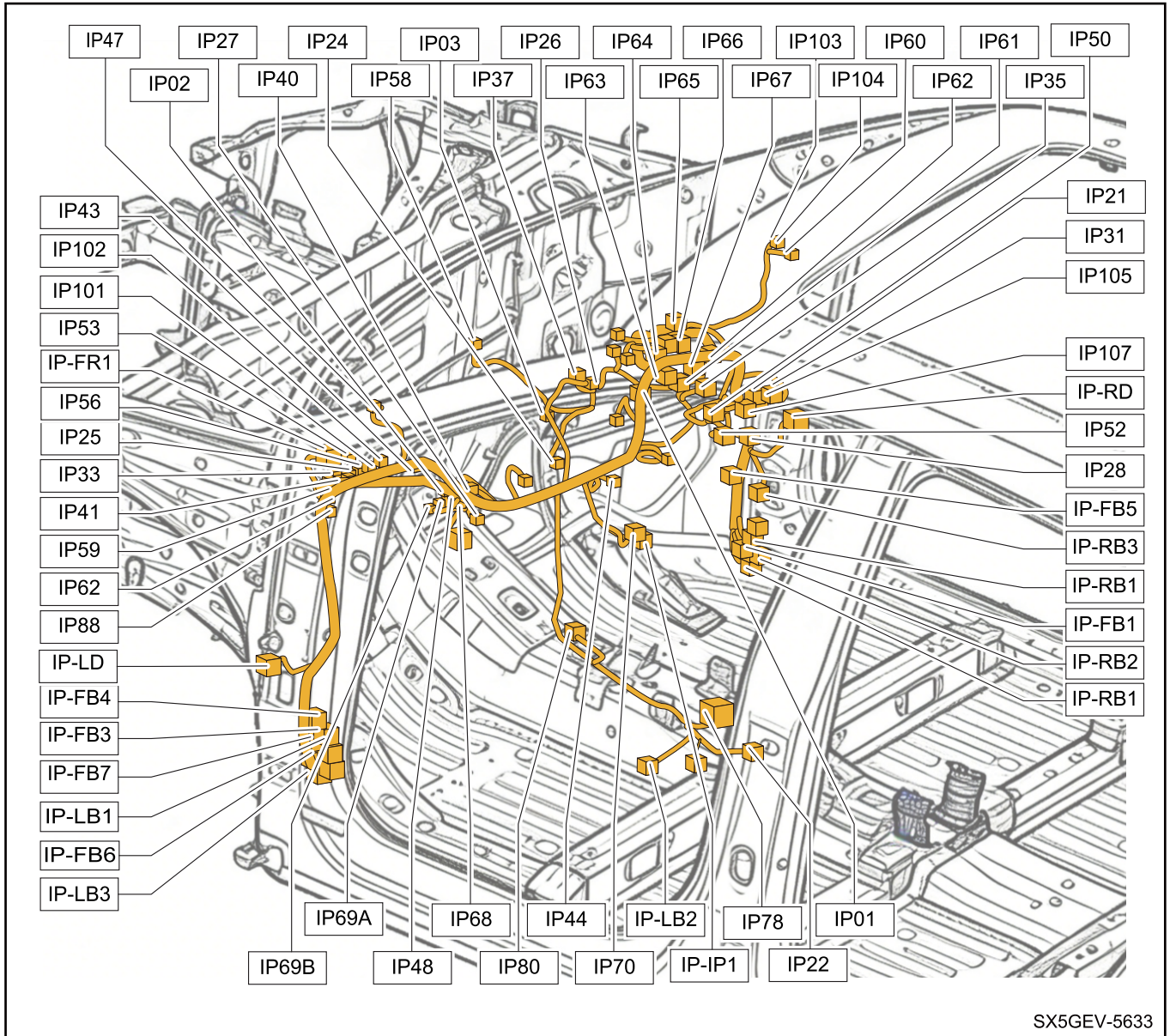
FB06A front left UPA probe



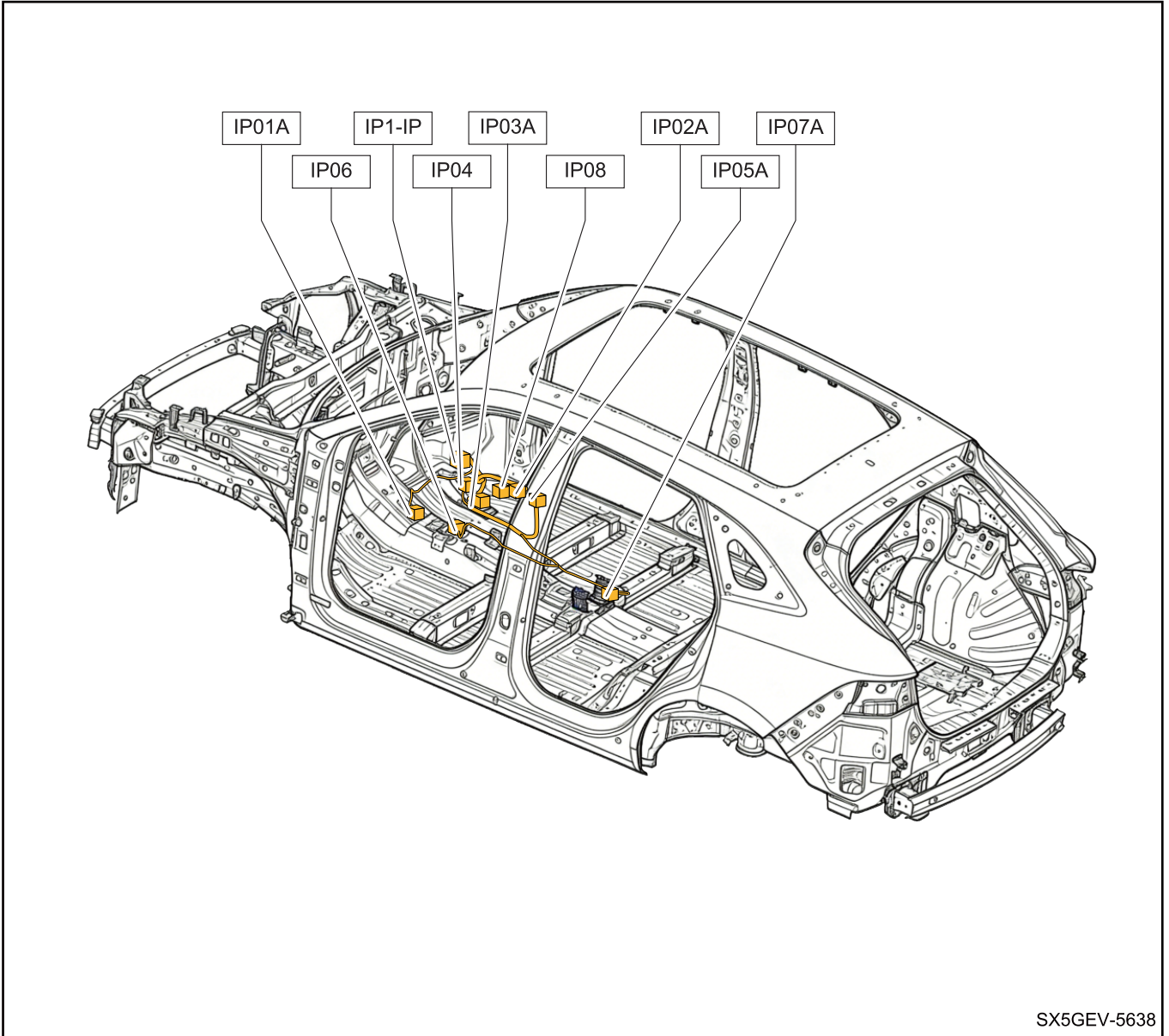
SX5GEV-5613

1	Power supply	2	Signal
3	GND	-	-

Layout of Instrument Panel Harnesses



Layout of Console Harnesses

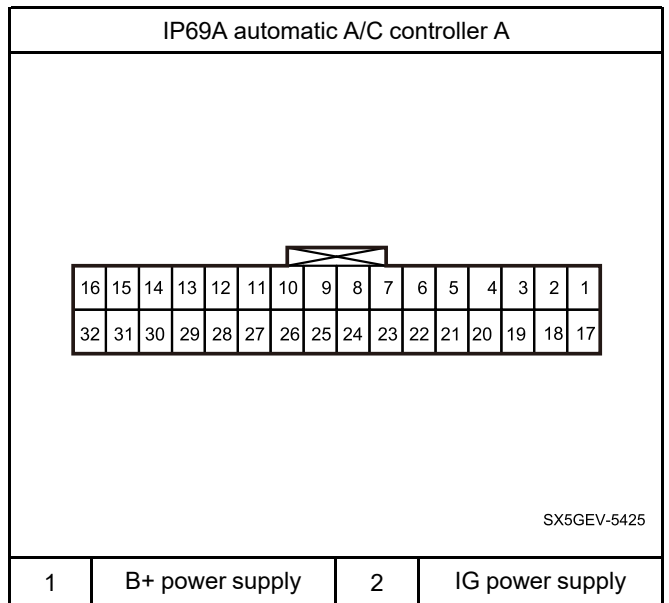
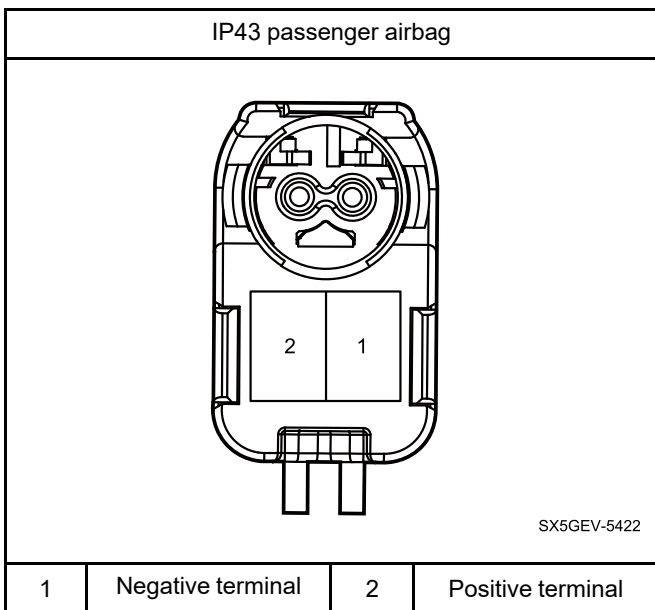
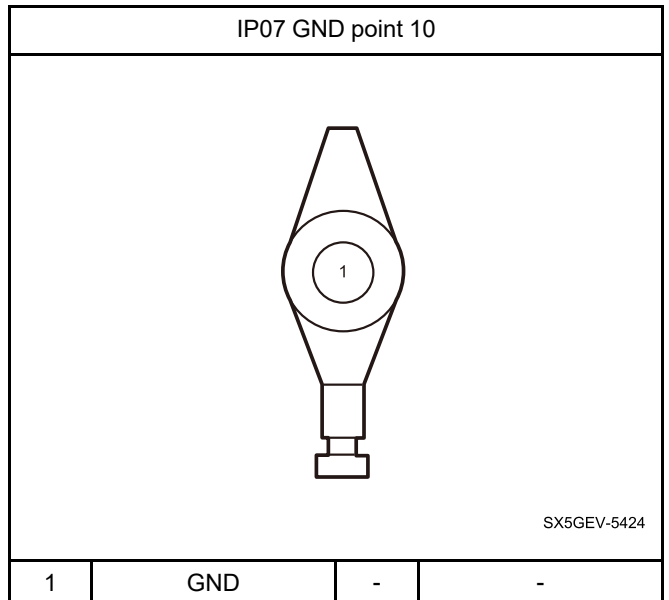
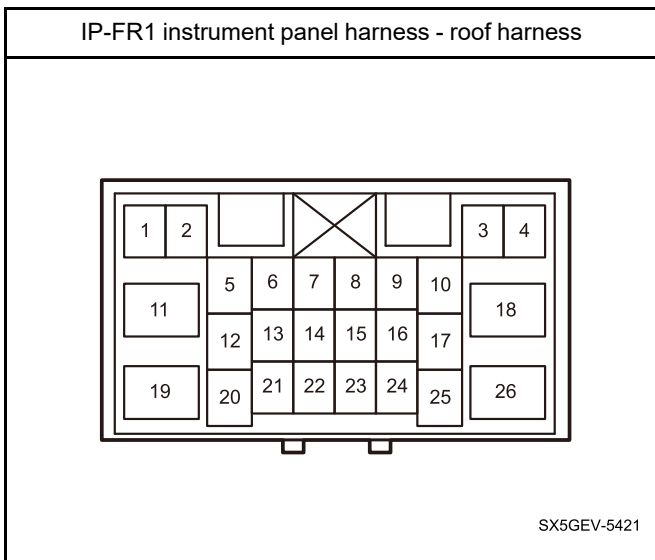
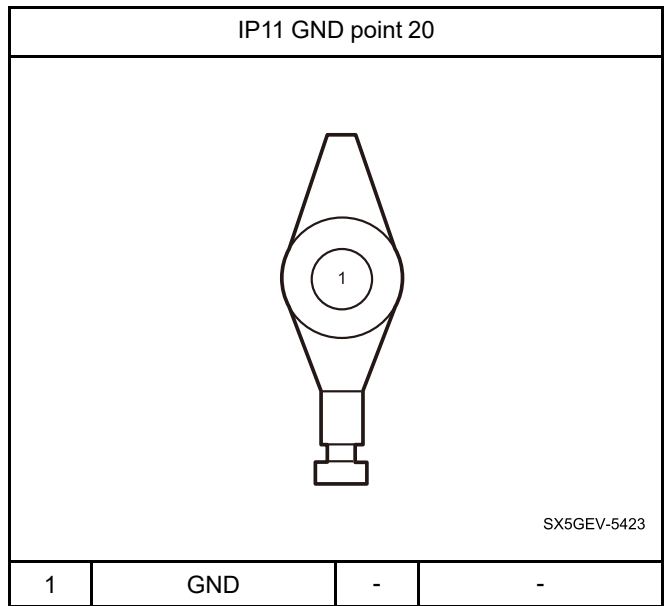
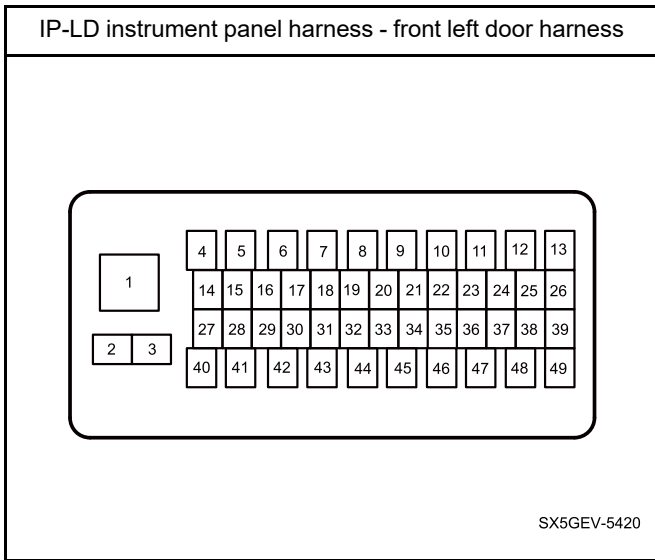


List of Instrument Panel Harness Connectors

Harness connector	Name	Harness connector	Name
IP-LD	Instrument panel harness – front left door harness	IP35	EPS power supply
IP-FR1	Instrument panel harness – roof harness	IP61	EPS
IP43	Front passenger airbag	IP-IP1	Instrument panel harness – console harness
IP11	GND point 20	IP01	One-button start switch
IP07	GND point 10	IP44	Hazard warning light switch
IP69A	Automatic A/C controller A	IP70	A/C touch switch assembly
IP69B	Automatic A/C controller B	IP80	Yaw rate sensor
IP02	Speed regulation module	IP78	EPB controller
IP48	Evaporator temperature sensor	IP22	SRS ECU-A
IP27	Temperature servo motor	IP16	GND point 15
IP26	Display screen of centre console	IP-LB2	Instrument panel harness-left body harness (middle)
IP58	Sunlight sensor	IP15	GND point 14
IP10	GND point 12	IP20	GND point 13
IP03	Speed regulation motor	IP68	Interior temperature sensor
IP24	Mode damper motor	IP40	USB port
IP37	Gateway	IP41	IVI USB
IP09	GND point 11	IP59	Audio head unit A
IP13	GND point 16	IP62	Audio head unit B
IP05	GND point 9	IP88	Audio head unit C
IP18	GND point	IP102	Audio head unit (antenna amplifier)
IP63	BCM-J1	IP101	Audio head unit (DAB)
IP64	BCM-J2	IP56	Audio head unit (instrument panel display screen)
IP65	BCM-J3	IP25	Screen - IVI video cable (IVI terminal)
IP66	BCM-J4	IP33	Audio head unit (instrument 360°)
IP67	BCM-J5	IP47	Recirculation/Fresh air motor
IP107	Cab power distribution box	IP-FB4	Instrument panel harness - engine compartment harness (1PIN)
IP60	Right high-pitch speaker	IP-FB3	Instrument panel harness - engine compartment harness (2PIN)
IP-RD	Instrument panel harness – front right door harness	IP-FB7	Instrument panel harness - engine compartment harness 2 (left)
IP103	Radio	IP-FB6	Instrument panel harness - engine compartment harness 1 (left)

Harness connector	Name	Harness connector	Name
IP104	DAB antenna	IP-LB3	Instrument panel harness - left body harness 2 (left)
IP-RB2	Instrument panel harness - right body harness	IP-LB1	Instrument panel harness - left body harness 1 (left)
IP-RB1	Instrument panel harness - right body harness	IP53	Left high-pitch speaker
IP-FB1	Instrument panel harness - engine compartment harness (right)	IP79	GND point
IP-FB5	Engine compartment wire (2PIN)	IP17	GND point
IP19	GND point	IP86	Diagnostic interface
IP-RB3	Instrument panel harness - right body harness	IP01A	12V power supply
IP28	Wiper switch	IP02A	Electronic gear shifter
IP50	Spiral cable	IP08	P gear button
IP52	Dimmer switch	IP03A	Interior middle antenna
IP31	Power boot lid switch	IP04	Wireless charging
IP105	HDC switch	IP05A	APB switch
IP21	Rearview mirror switch	IP07A	USB power supply - 2
IP62A	Instrument panel display screen	IP06	Type-C power supply interface
IP1-IP	Console harness – instrument panel harness	-	-

Definition of Instrument Panel Harness Terminal



3	Front blower relay control	4	-
5	-	6	-
7	MTR-	8	MTR+
9	Mode control motor drive +	10	Mode control motor drive -
11	Left temperature damper motor drive -	12	Left temperature damper motor drive +
13	-	14	LIN signal
15	-	16	Mode damper position signal
17	Left temperature damper position signal	18	-
19	CAN H	20	CAN L
21	Evaporator temperature signal	22	Interior temperature signal
23	Exterior temperature sensor signal	24	Left sunlight sensor signal
25	-	26	Sensor 5 V power supply
27	GND	28	Sensor analog GND
29	Blower control signal output	30	Negative feedback signal input of blower - active high
31	Blower positive feedback signal input	32	Recirculation/fresh air position signal

IP69B automatic A/C controller B			
SX5GEV-5426			
1	PWM	2	PTC coolant pump relay control

3	Temperature signal	4	Pressure signal
5	Pressure signal	6	-
7	-	8	Cabin valve body -
9	Compressor relay control	10	LIN
11	-	12	-
13	-	14	-
15	-	16	-
17	-	18	-
19	-	20	-
21	-	22	-
23	-	24	-

IP02 speed regulation module			
SX5GEV-5427			

1	Power supply	2	Blower negative feedback signal
3	Blower positive feedback signal	4	GND

IP48 evaporator temperature sensor

SX5GEV-5428

1	GND	2	Signal
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IP26 centre console display screen

SX5GEV-5430

1	LVDS1+	2	LVDS0+
3	LVDS1-	4	LVDS0-
5	GND	6	Power supply

IP27 temperature servo motor

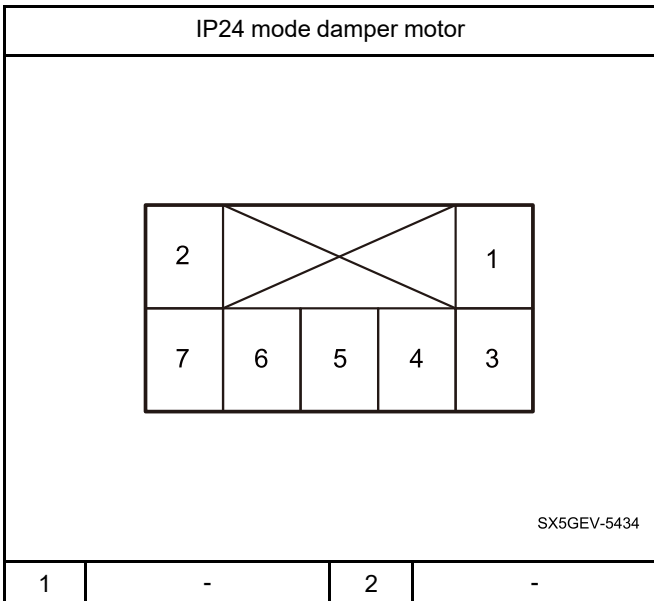
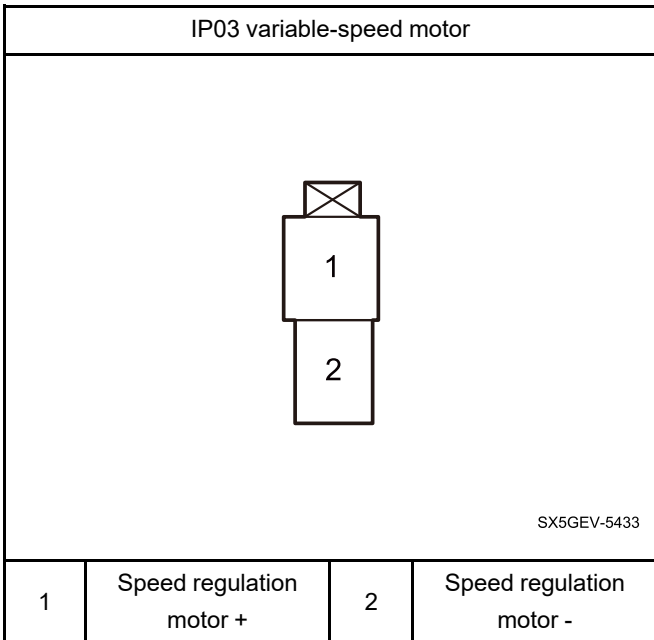
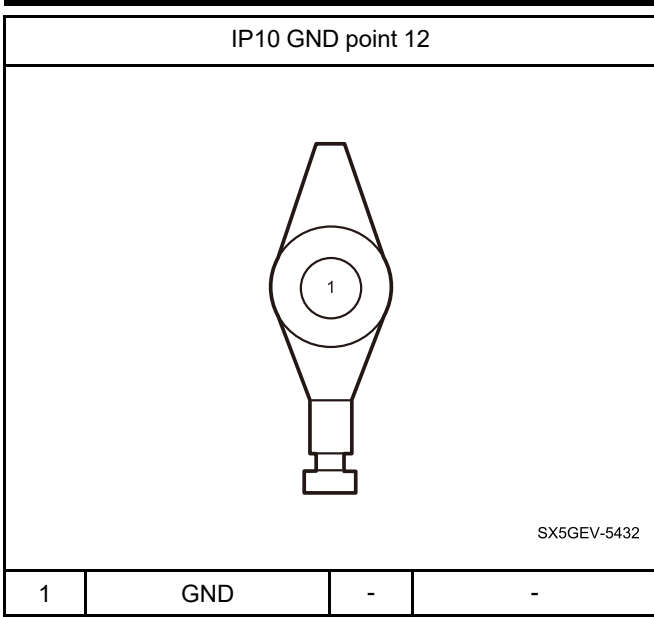
SX5GEV-5429

1	GND	2	Left temperature damper position
3	Power supply	4	-
5	Left temperature damper motor -	6	Left temperature damper motor +

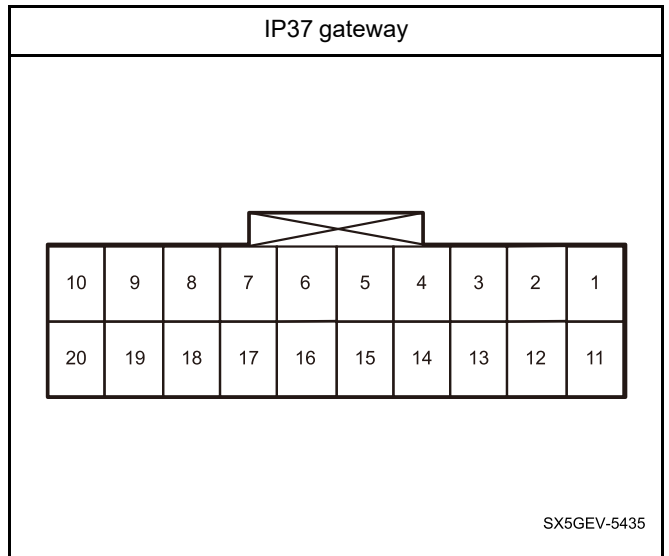
IP58 sunlight sensor

SX5GEV-5431

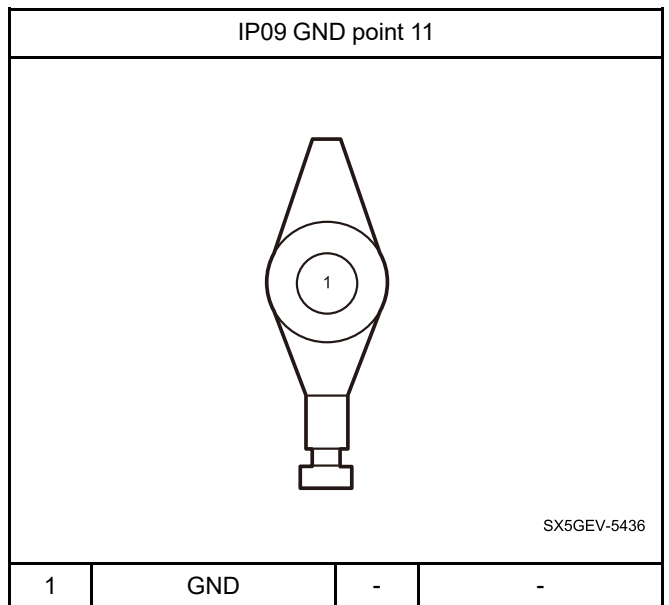
1	GND	2	Sensor signal
3	-	4	-
5	- / GND	6	IG power supply




3	GND	4	Mode damper position
5	Power supply	6	Mode motor -
7	Mode motor +	-	-



1	Powertrain CAN-H	2	Safety CAN-H
3	CAN-H	4	-
5	Infotainment CAN-H	6	Comfort CAN-H
7	-	8	-
9	-	10	ACC power
11	Powertrain CAN-L	12	Safety CAN-L
13	CAN-L	14	-
15	Infotainment CAN-L	16	Comfort CAN-L
17	-	18	IG power supply
19	Power supply	20	GND




IP13 GND point 16



SX5GEV-5437

1	GND	-	-
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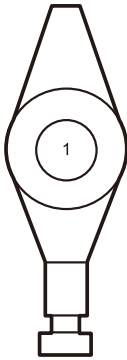
IP05 GND point 9



SX5GEV-5438

1	GND	-	-
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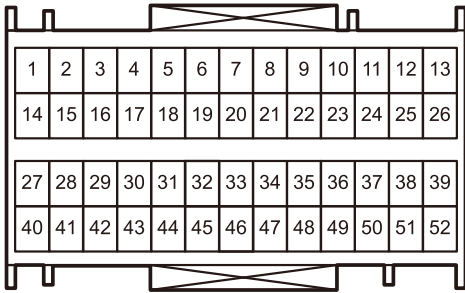
IP18 GND point



SX5GEV-5439

1	GND	-	-
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IP63 BCM-J1

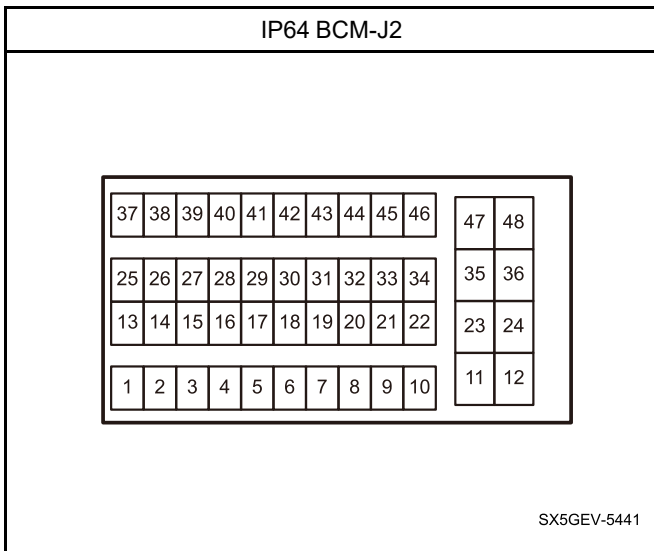


SX5GEV-5440

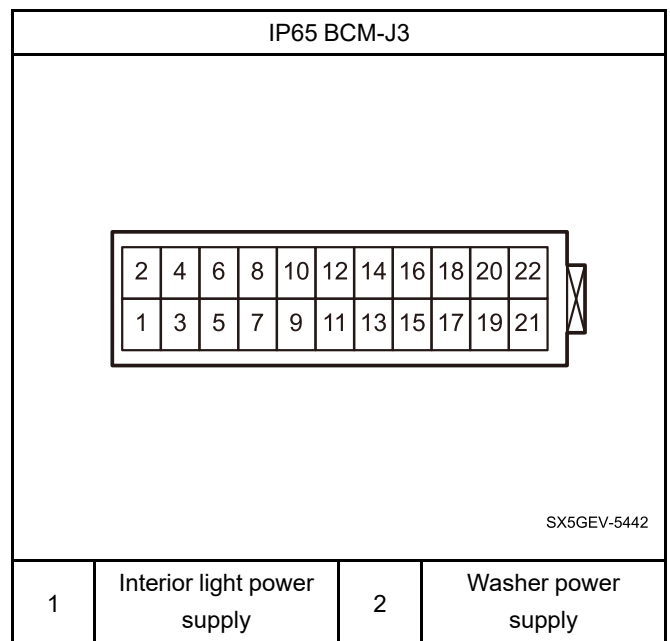
1	Safety CAN-L	2	-
3	-	4	GND
5	Left turn signal switch signal	6	-
7	ACC power supply feedback signal	8	IG1 power supply feedback signal
9	Hazard warning light switch signal	10	Rear wiper low-speed switch signal
11	-	12	-
13	Front wiper high-speed switch signal	14	Safety CAN-H
15	-	16	Front wiper low-speed switch signal
17	-	18	-
19	-	20	-
21	Front wiper intermittent switch signal	22	Rear washer switch signal
23	-	24	Front washer switch signal
25	-	26	Rear defroster switch
27	-	28	Intermittent adjustment relay control
29	Front wiper intermittent adjustment GND	30	Low beam switch signal
31	Position light switch signal	32	Automatic light switch signal

33	Rear fog light switch signal	34	Right turn signal switch signal
35	Power supply	36	-
37	Clutch sensor cylinder bottom signal	38	-
39	-	40	-
41	Comfort CAN-L	42	Comfort CAN-H
43	-	44	-
45	Front wiper intermittent adjustment signal	46	Automatic light sensor input
47	High beam switch signal	48	-
49	Overtaking light switch signal	50	Neutral switch signal
51	-	52	-

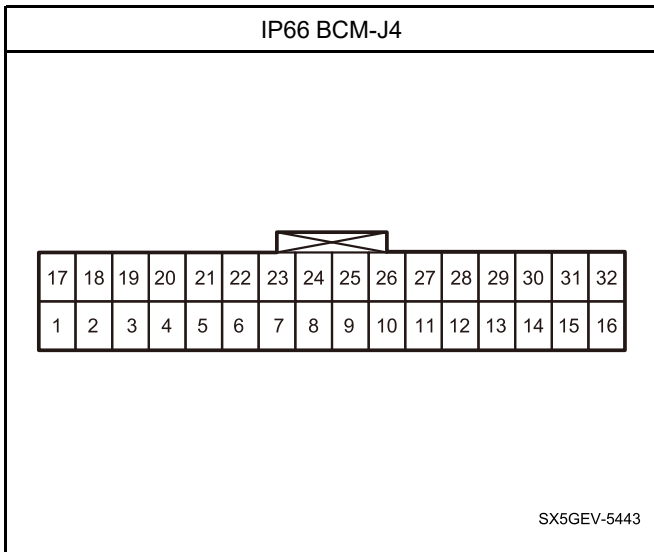
19	Boot lid microswitch signal	20	-
21	Front wiper return signal	22	Front left turn signal fault feedback signal
23	Position light output	24	Left turn signal output
25	High-mounted brake light output	26	-
27	Front right door status input	28	Rear defroster relay control
29	-	30	-
31	Start/Stop button amber LED	32	-
33	Front right turn signal fault feedback signal	34	-
35	Right turn signal output	36	-
37	-	38	-
39	Front left door status input	40	Boot lid lock status signal
41	Low beam output	42	Horn relay output
43	-	44	Rear wiper return signal
45	Rear wiper intermittent switch signal	46	LIN
47	Interior light power supply output	48	Brake light output



1	Rear left door status input	2	Rear right door status input
3	-	4	-
5	-	6	-
7	Front left door lock feedback input	8	GND
9	-	10	-
11	Rear fog light output	12	Interior light DOOR mode control GND
13	Brake switch signal	14	-
15	-	16	-
17	Start/Stop button green LED	18	High beam output

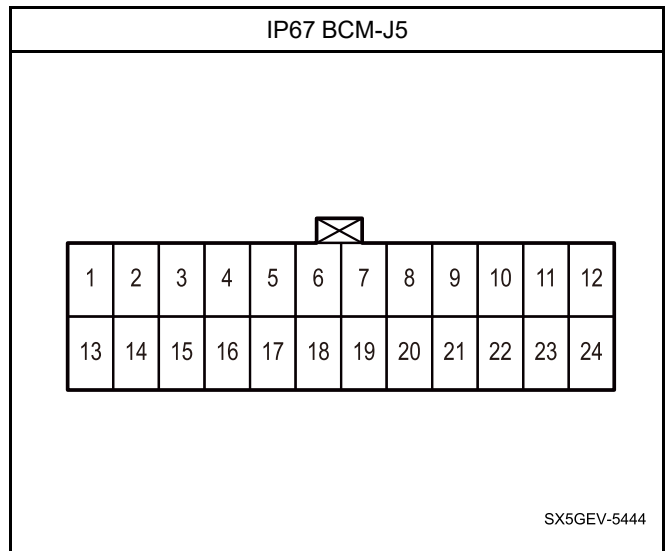


3	External light power supply	4	Front wiper washer output
5	Daytime running light output	6	Rear wiper power input
7	GND	8	Rear wiper GND
9	GND	10	Rear wiper low-speed signal
11	-	12	Rear wiper and washer output
13	-	14	Door latch power supply
15	Front wiper high speed signal	16	Boot lid lock power supply
17	Front wiper power supply input	18	Locking output of lock actuator
19	Front wiper GND	20	Unlocking power supply output of door locks
21	Front wiper low speed signal	22	GND

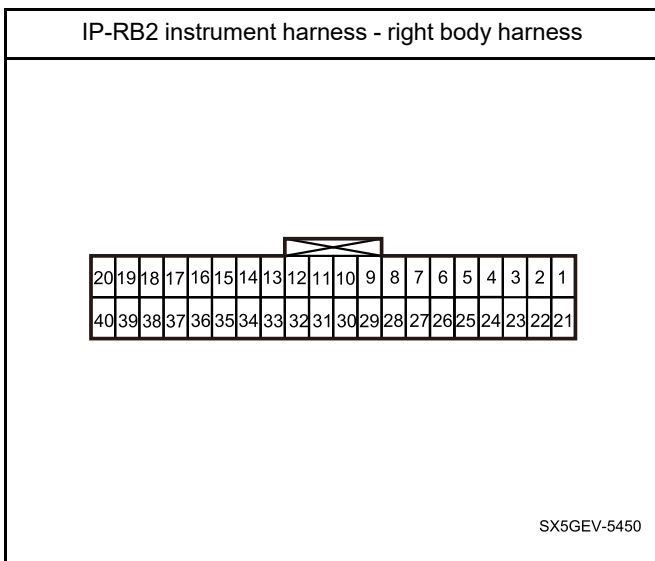
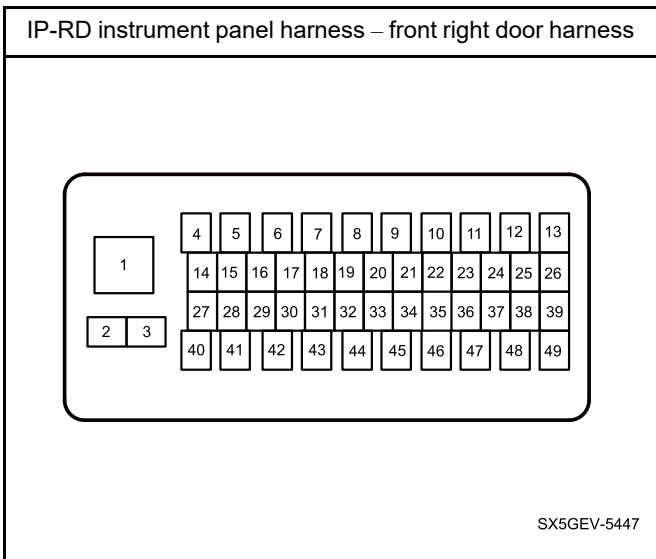
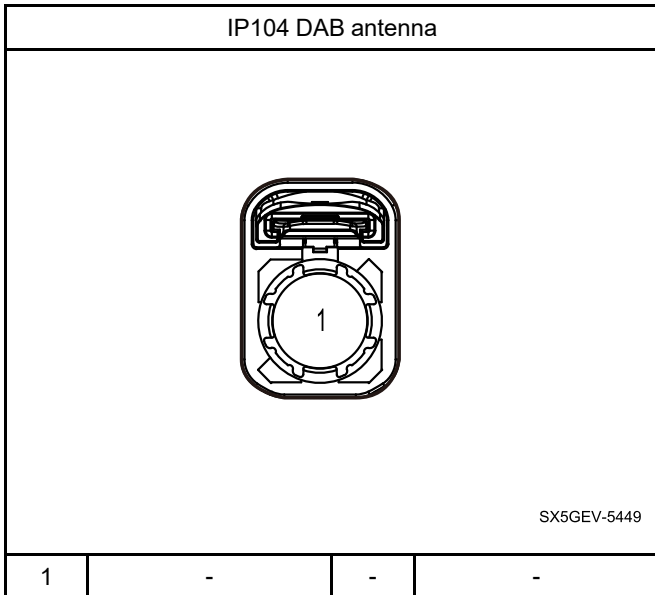
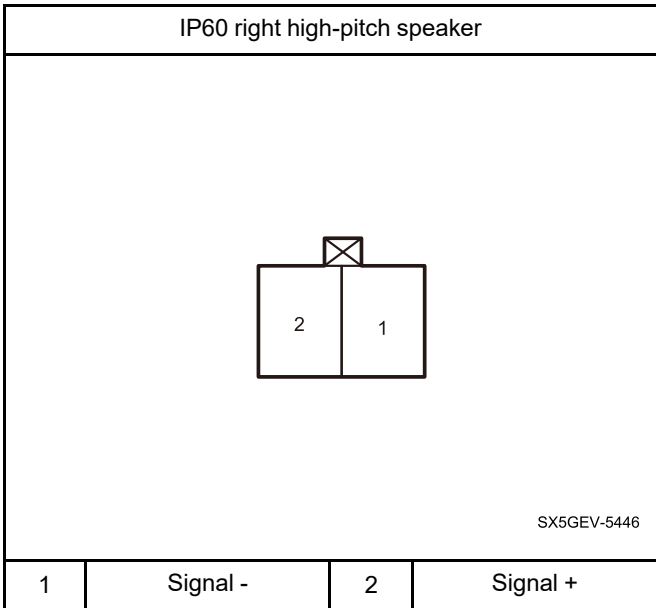
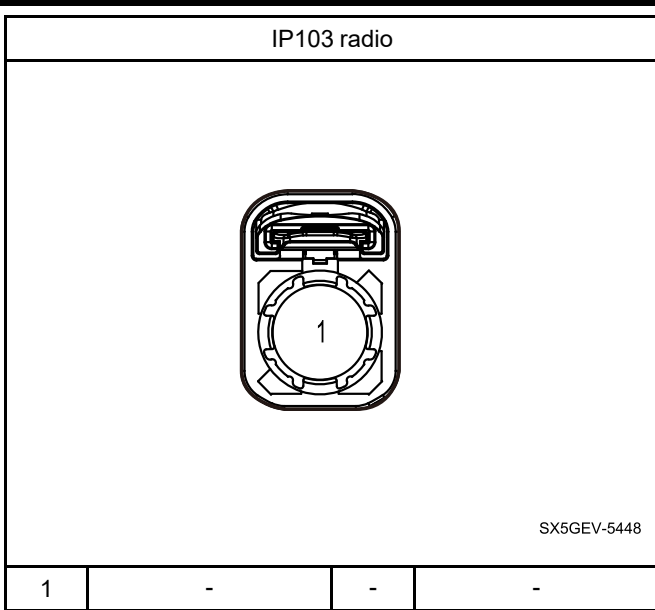
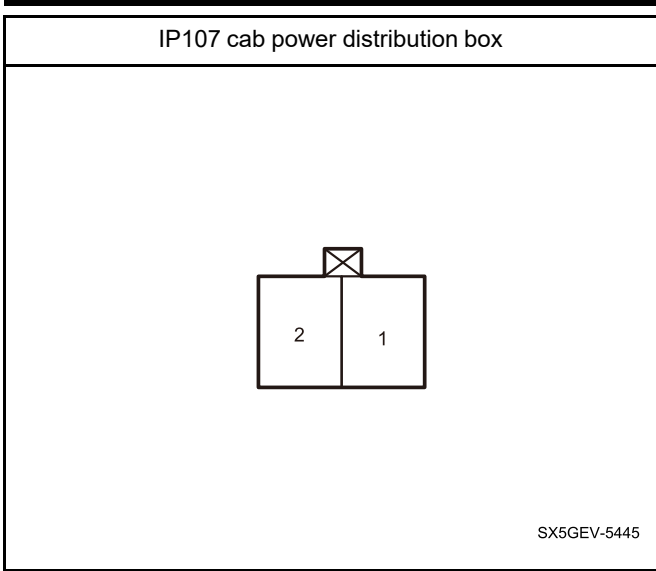


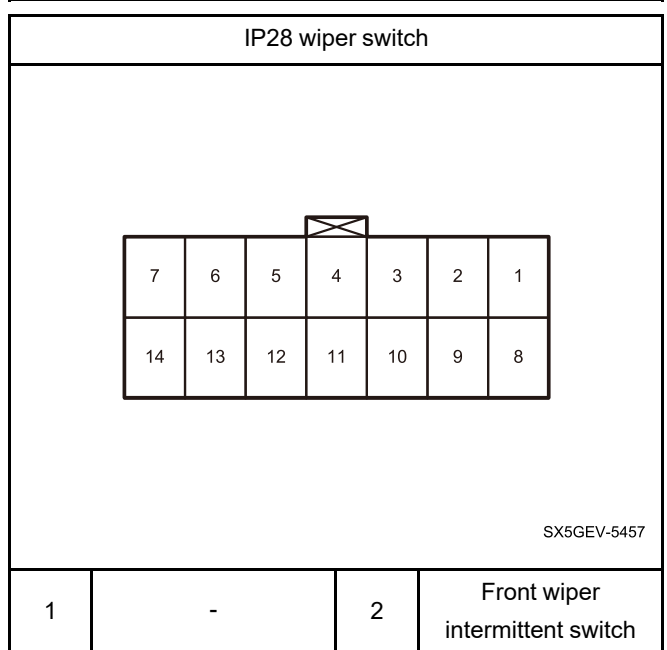
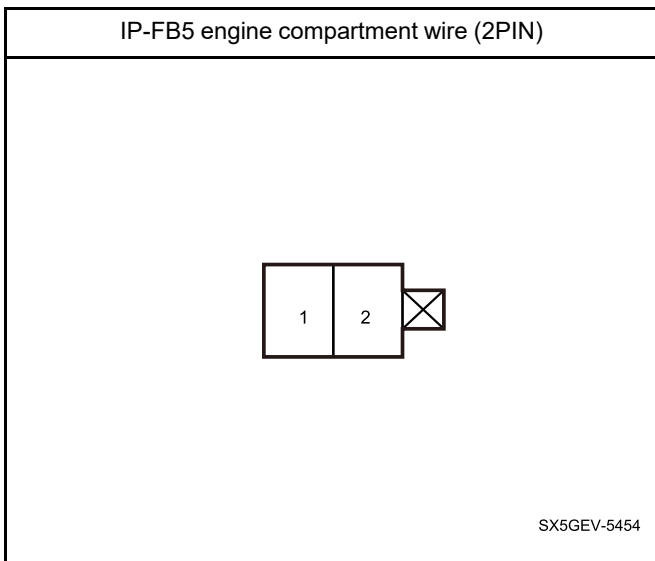
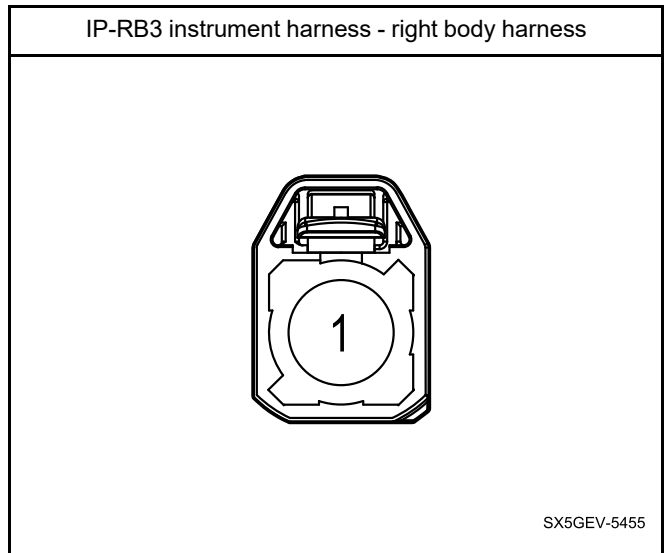
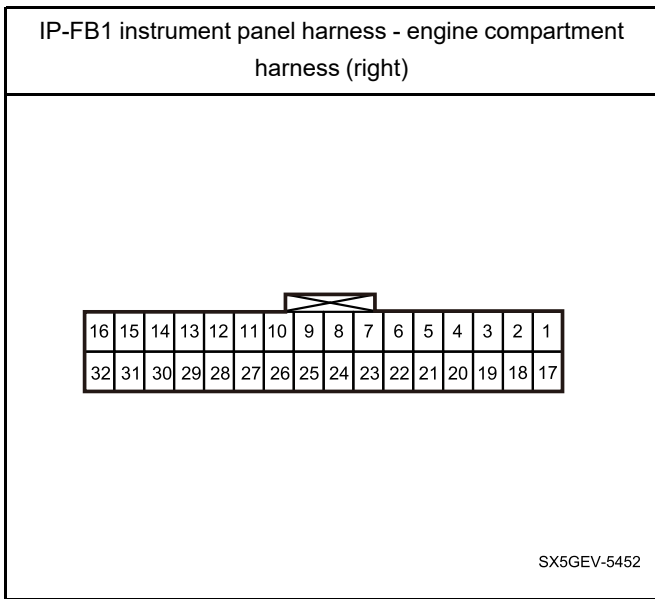
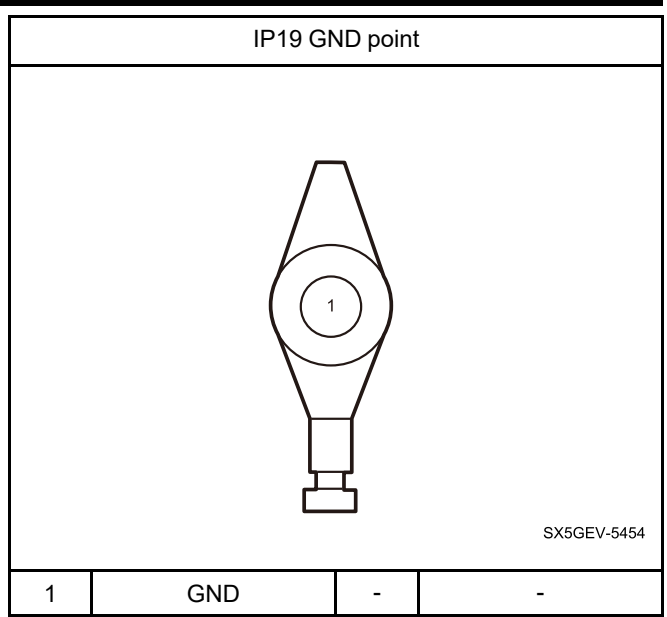
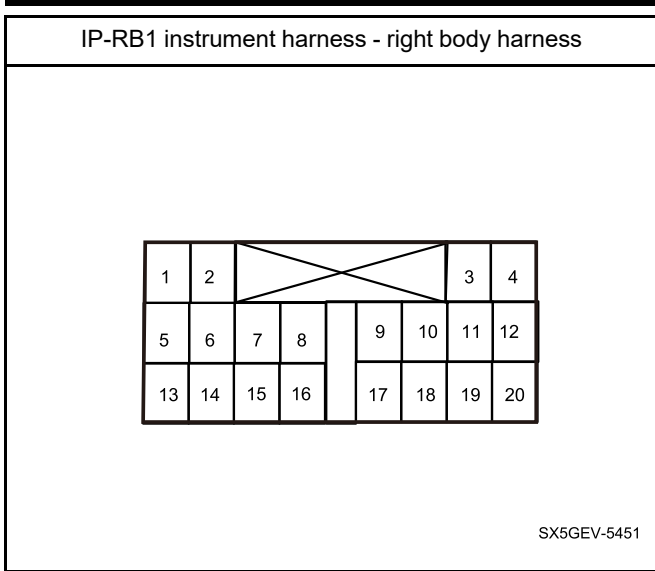
1	IG2 power supply feedback signal	2	Unlocking signal
3	-	4	Locking signal
5	-	6	-
7	GND	8	Start/Stop button switch signal 1
9	Start/Stop button switch signal 2	10	-
11	-	12	-

13	-	14	Unlocking status signal
15	IG1 relay control	16	Locking signal
17	Motor enabling signal	18	Front left door handle antenna +
19	Front left door handle antenna -	20	Interior middle antenna +
21	Interior middle antenna -	22	-
23	-	24	Interior rear antenna +
25	Interior rear antenna -	26	-
27	-	28	-
29	-	30	LIN
31	IG2 relay control	32	ACC relay control



1	-	2	-
3	-	4	-
5	-	6	-
7	-	8	-
9	-	10	-
11	-	12	-
13	-	14	-
15	-	16	-
17	Start/Stop button LED power supply	18	Sensor power supply
19	Boot lid antenna +	20	Boot lid antenna -
21	-	22	-
23	-	24	-





3	Front wiper low-speed switch	4	-
5	Front wiper low-speed switch	6	Front washer switch
7	Front washer GND	8	Front wiper high-speed switch
9	Rear washer switch	10	Wiper GND
11	Rear wiper intermittent switch	12	Rear wiper low-speed switch
13	Front wiper intermittent time adjustment switch	14	Front wiper intermittent time adjustment GND

IP50 spiral cable							
8	7	6	5	4	3	2	1
16	15	14	13	12	11	10	9
SX5GEV-5458							

1	Backlight power supply	2	Horn switch -
3	-	4	-
5	-	6	Steering wheel switch -
7	Horn switch +	8	Backlight GND
9	Steering wheel switch +	10	Steering wheel right switch +
11	Steering wheel switch GND	12	Steering wheel left switch +
13	ACC switch +	14	ACC switch -
15	Driver frontal airbag +	16	Driver frontal airbag -

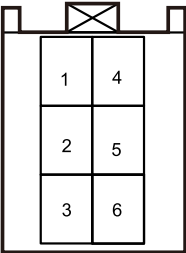
IP52 dimmer switch							
8	7	6	5	4	3	2	1
16	15	14	13	12	11	10	9
SX5GEV-5459							

1	GND	2	Low beam switch
3	Position light switch	4	Automatic headlight switch
5	Rear fog light switch	6	-
7	GND	8	Right turn signal switch
9	GND	10	GND
11	Overtaking light switch	12	-
13	-	14	High beam switch
15	Left turn signal switch	16	GND

IP31 power boot lid switch			
1	4	2	5
3	6		
SX5GEV-5460			

1	GND	2	GND
3	Power boot lid switch	4	-
5	-	6	Backlight power supply

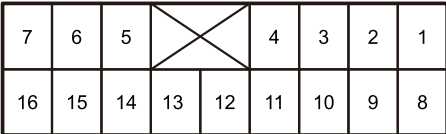
IP105 HDC switch



SX5GEV-5461

1	GND	2	GND
3	HDC switch	4	-
5	-	6	Backlight power supply

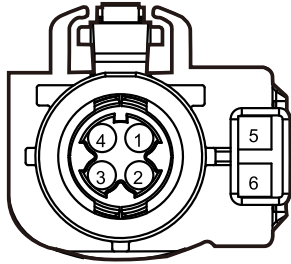
IP21 rearview mirror switch



SX5GEV-5462

1	-	2	Vertical adjustment
3	-	4	Horizontal adjustment
5	-	6	-
7	Selector switch	8	-
9	Switch analog GND	10	-
11	-	12	-
13	-	14	Backlight power supply
15	-	16	GND

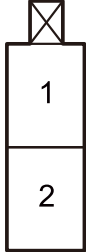
IP62A instrument panel display screen



SX5GEV-5486

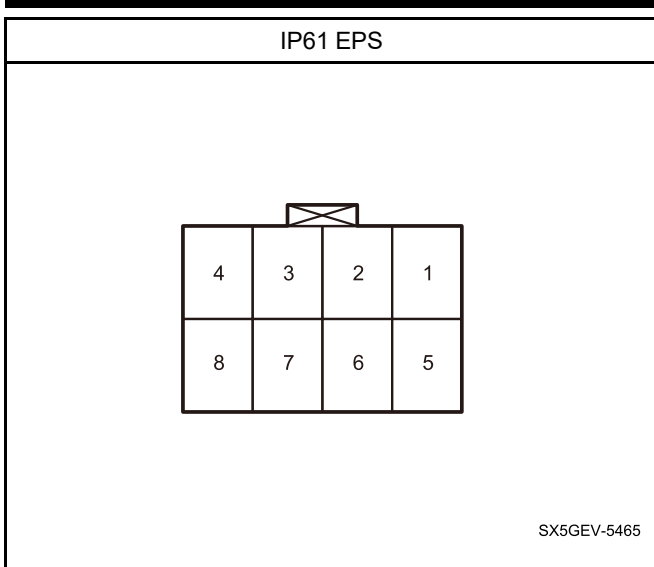
1	-	2	-
3	-	4	-
5	Left door speaker signal +	6	Left door speaker signal -
7	Rear right door speaker signal -	8	Rear right door speaker signal +
9	Rear left door speaker signal +	10	Rear left door speaker signal -
11	-	12	-
13	Right door speaker signal +	14	Right door speaker signal -
15	-	16	-
17	-	18	-
19	-	20	-

IP35 EPS power supply

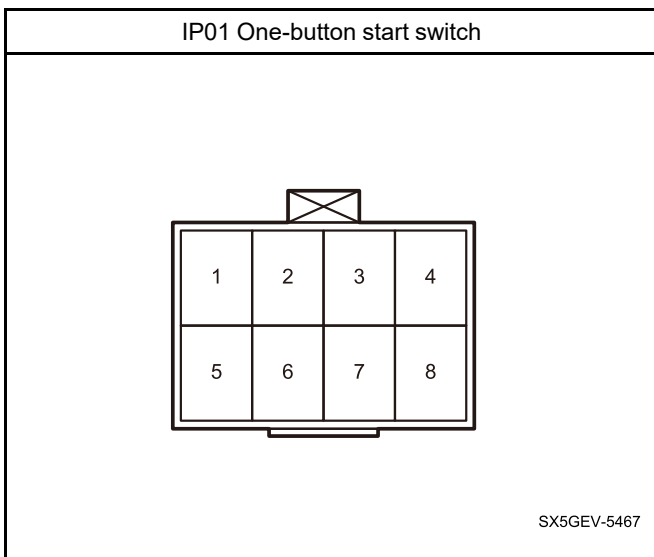
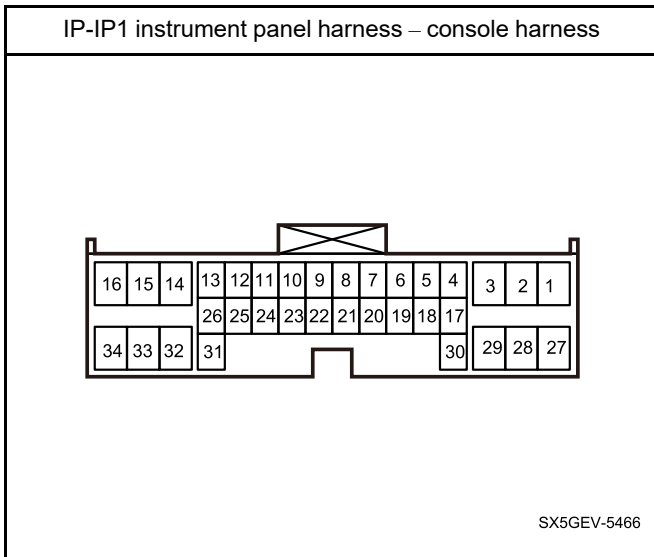


SX5GEV-5464

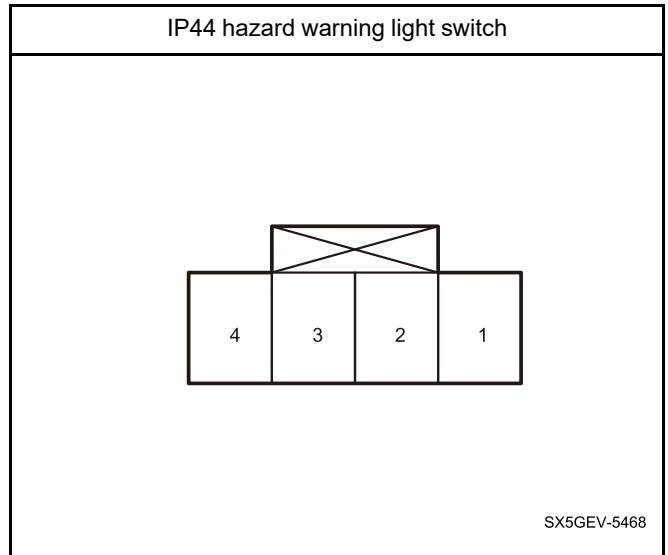
1	Power supply	2	GND
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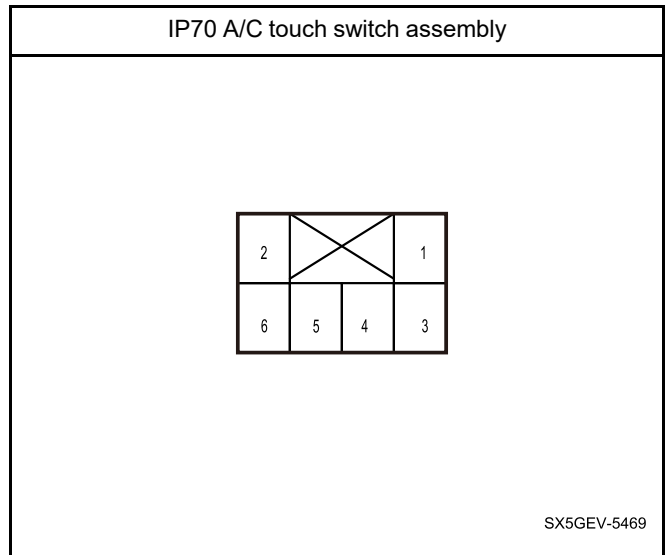
1	-	2	-
3	-	4	-
5	IG power supply	6	-
7	Safety CAN-L	8	Safety CAN-H



1	Start/stop button switch 1	2	Start/Stop button amber LED
3	Start/Stop button LED power supply	4	Power supply
5	GND	6	Start/Stop button green LED
7	GND	8	Start/stop button switch 2

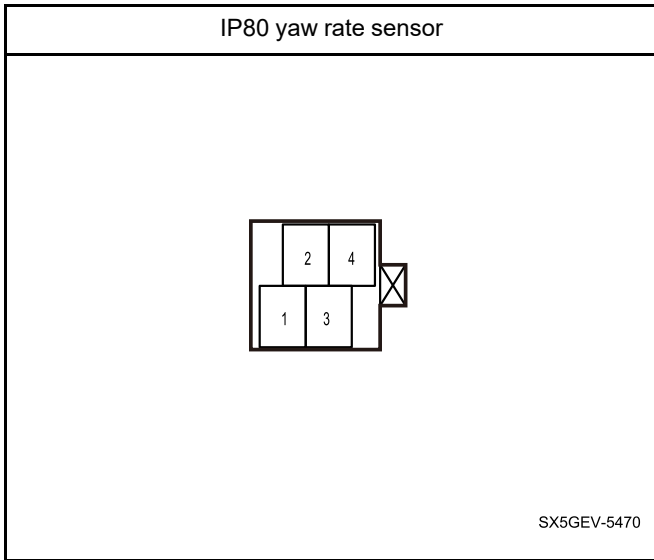


1	Hazard warning light switch -	2	Backlight GND
3	Hazard warning light switch +	4	Backlight power supply

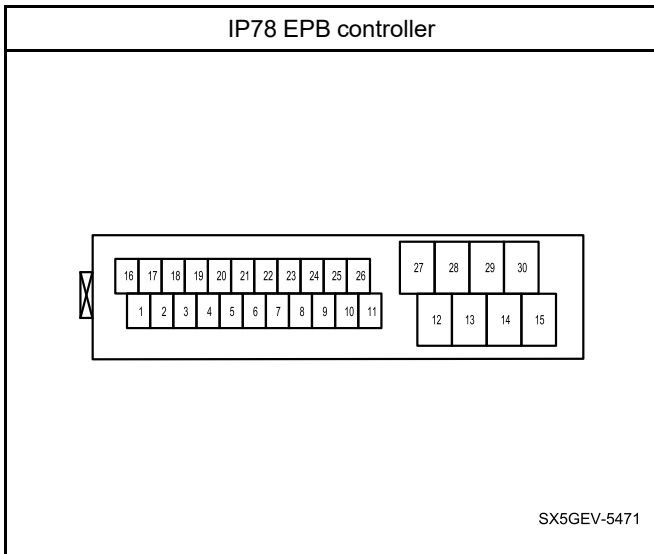


1	GND	2	IG power supply
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3	Lin	4	Rear defrosting indicator power supply
5	Backlight power supply	6	-

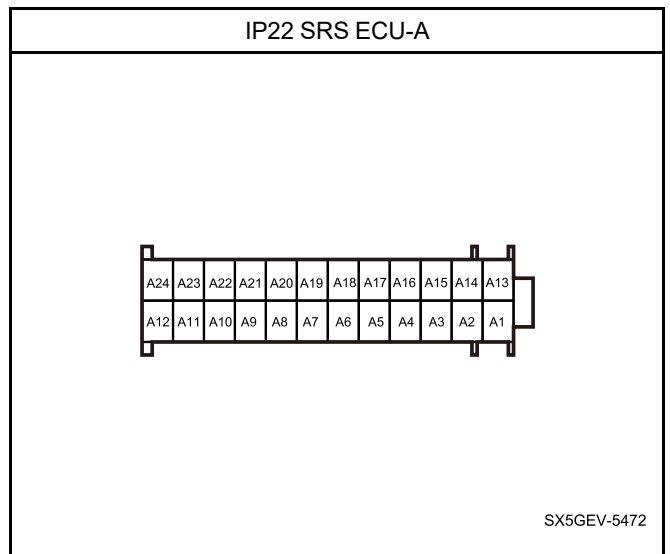


1	GND	2	CAN L
3	CAN H	4	IG1



1	-	2	-
3	-	4	-
5	-	6	Safety CAN-H
7	Safety CAN-L	8	EPB switch indicator
9	Parking brake output	10	Parking brake release input
11	IGN1	12	Right caliper motor +
13	Valve body power supply input	14	Left caliper motor +

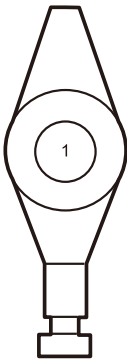
15	Motor power supply input	16	Safety CAN-H
17	Safety CAN-L	18	Parking brake release output
19	Parking brake input	20	-
21	-	22	IGN1
23	-	24	-
25	-	26	-
27	Right caliper motor -	28	GND
29	Left caliper motor -	30	GND



1	IG power supply	2	-
3	Unfastened passenger seat belt signal	4	-
5	-	6	Sensor GND
7	Front left collision -	8	Front left collision +
9	Front right collision +	10	Front right collision -
11	Safety CAN-L	12	Safety CAN-H
13	Unfastened driver seat belt signal	14	-
15	GND	16	-
17	Front passenger side seat belt pretensioner -	18	Front passenger side seat belt pretensioner +
19	Driver seat belt pretensioner +	20	Driver seat belt pretensioner -

21	Front passenger airbag -	22	Front passenger airbag +
23	Driver frontal airbag +	24	Driver frontal airbag -

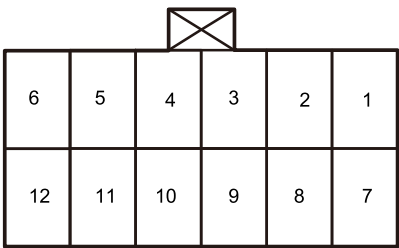
IP16 GND point 15



SX5GEV-5473


1	GND	-	-
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IP-LB2 instrument panel harness-left body harness (middle)



SX5GEV-5474


IP15 GND point 14



SX5GEV-5475

1	GND	-	-
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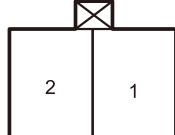
IP20 GND point 13



SX5GEV-5476

1	GND	-	-
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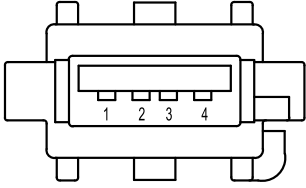
IP68 interior temperature sensor



SX5GEV-5477

1	Interior temperature signal	2	Sensor analog GND
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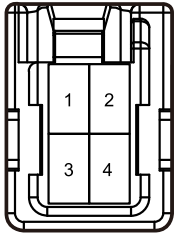
IP40 USB port



SX5GEV-5478

1	VBUS	2	UDB_DN
3	USB_DP	4	GND

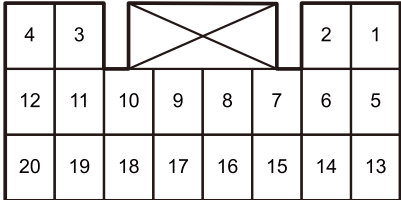
IP41 IVI USB



SX5GEV-5479

1	VBUS	2	GND
3	USB_DP	4	UDB_DN

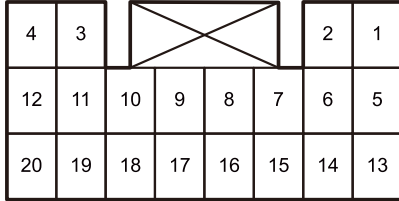
IP59 audio head unit A



SX5GEV-5480

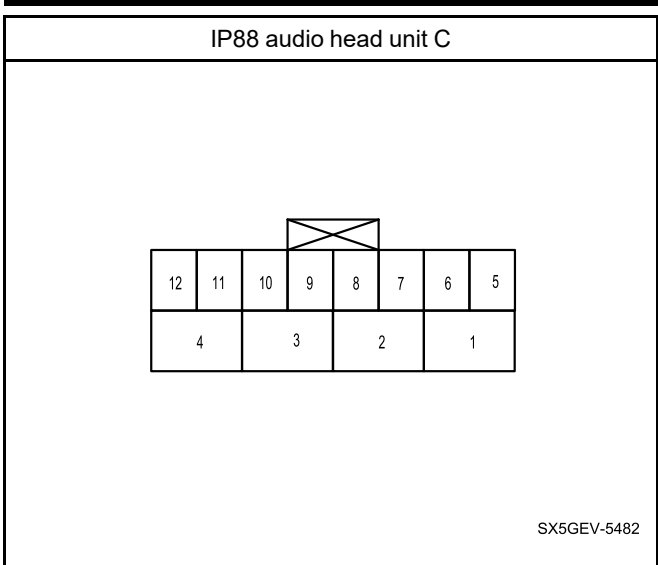
1	-	2	Power supply
3	GND	4	Steering wheel left switch signal
5	Rear camera signal	6	-
7	-	8	Rear camera power supply
9	-	10	-
11	Steering wheel switch GND	12	Steering wheel right switch signal
13	Rear camera GND	14	-
15	-	16	-
17	-	18	-
19	Infotainment CAN-L	20	Infotainment CAN-H

IP62 audio head unit B

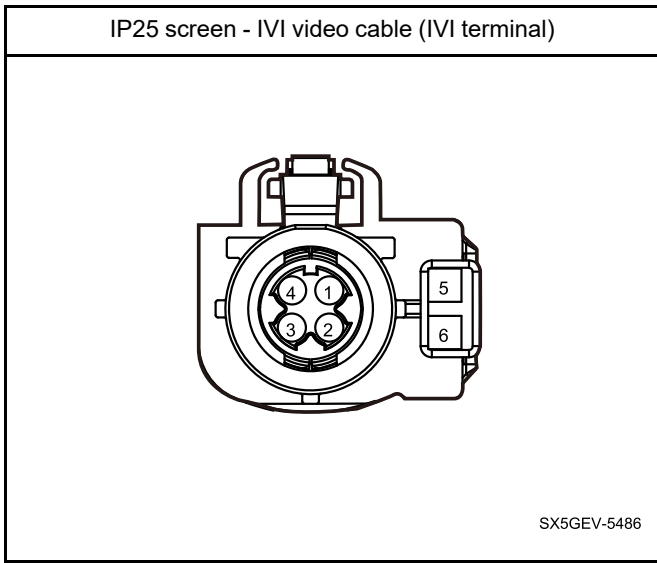
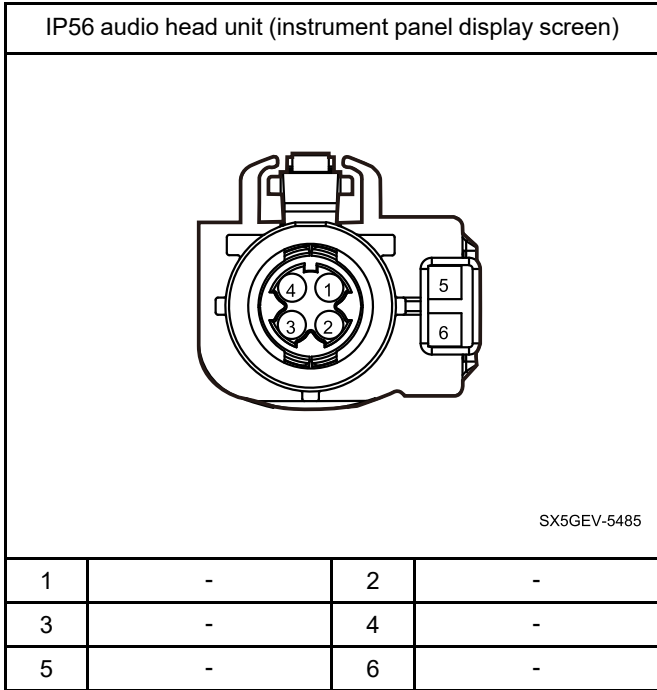
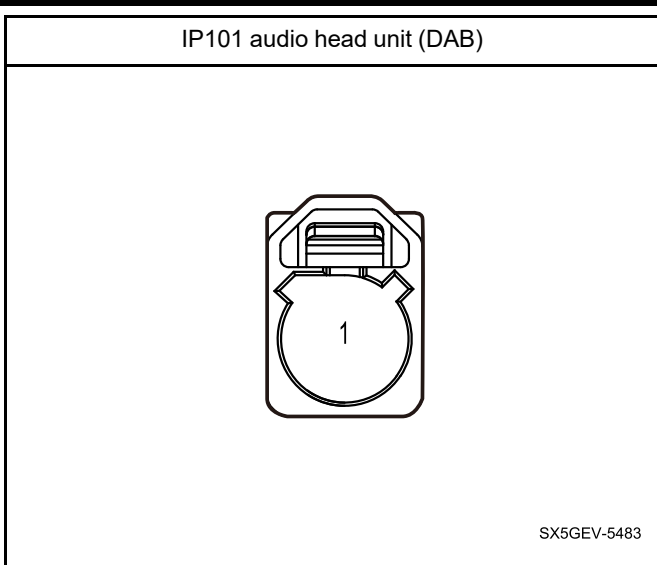
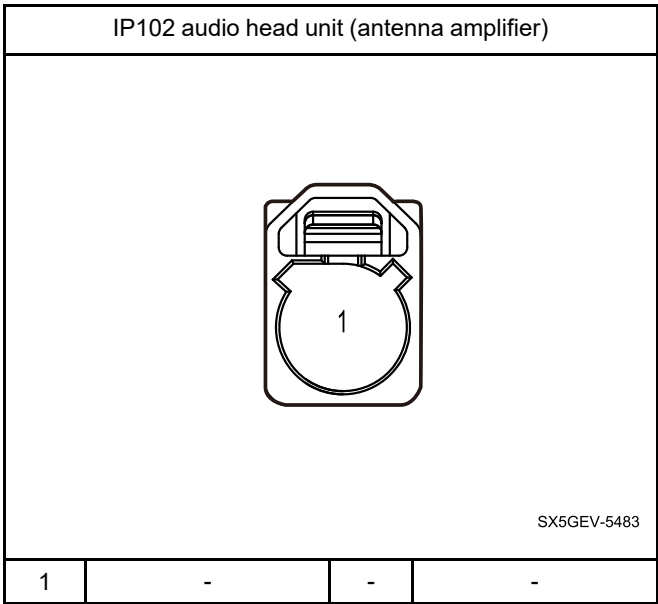


SX5GEV-5481

1	-	2	-
3	GND	4	ACC power
5	Rear left door speaker -	6	Rear left door speaker +
7	Rear right door speaker -	8	Rear right door speaker +
9	Front right door speaker +	10	Front right door speaker -
11	Front left door speaker +	12	Front left door speaker -
13	MIC2-	14	MIC2+
15	-	16	-
17	-	18	-
19	MIC1-	20	MIC1+

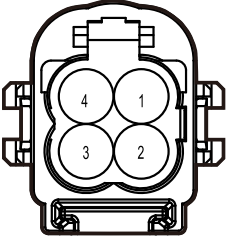


1	-	2	ACC power supply
3	GND	4	Power supply
5	Infotainment CAN-L	6	Infotainment CAN-H
7	VSP+	8	VSP-
9	Right turn signal indicator	10	Left turn signal indicator
11	-	12	-



1	LVDS0-	2	LVDS1-
3	LVDS0+	4	LVDS1+
5	GND	6	Power supply

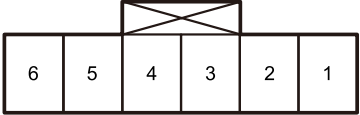
IP33 audio head unit (instrument 360)



SX5GEV-5487

1	-	2	-
3	-	4	-

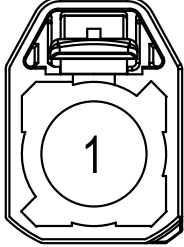
IP47 recirculation/fresh air motor



SX5GEV-5488


1	-	2	-
3	-	4	-
5	Recirculation motor +	6	Recirculation motor -

IP-FB4 instrument panel harness - engine compartment harness (1PIN)



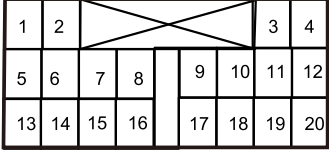
SX5GEV-5489

IP-FB3 instrument panel harness - engine compartment harness (2[IN])

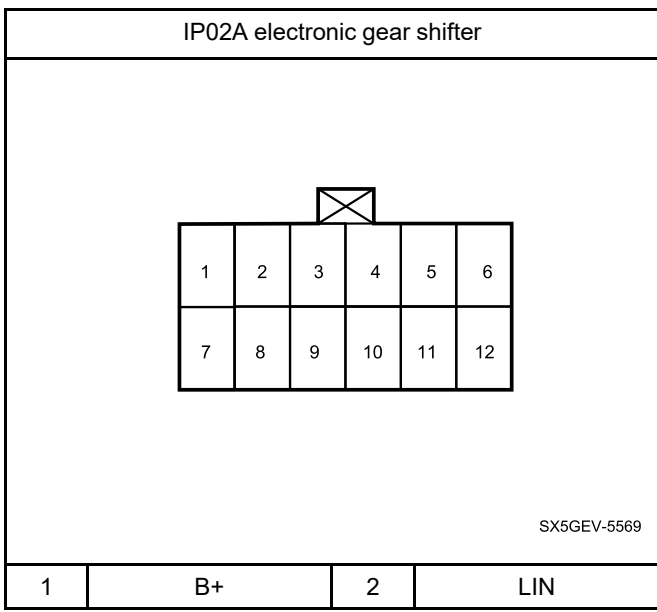
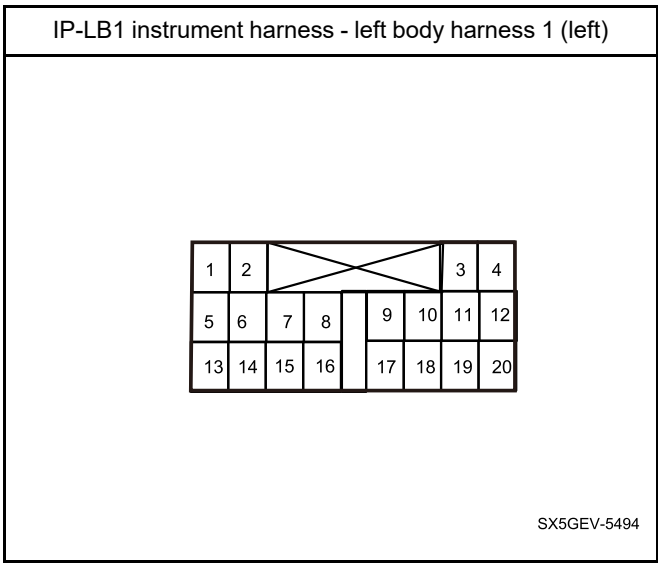
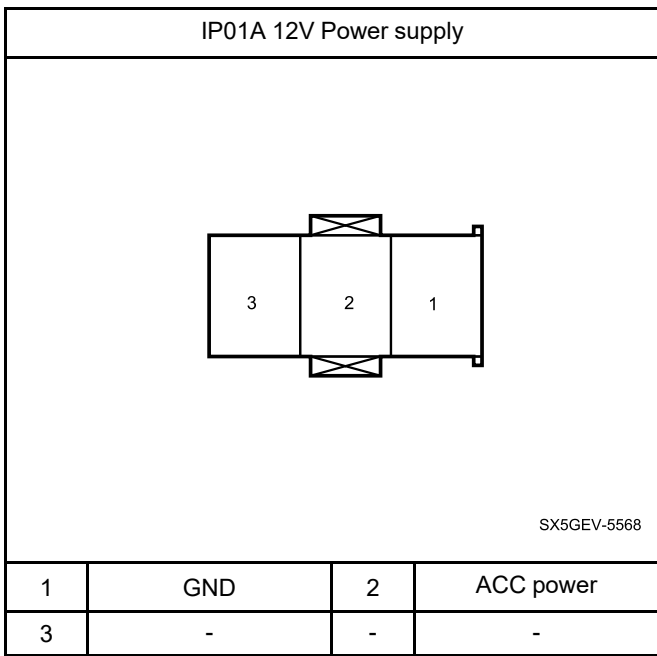
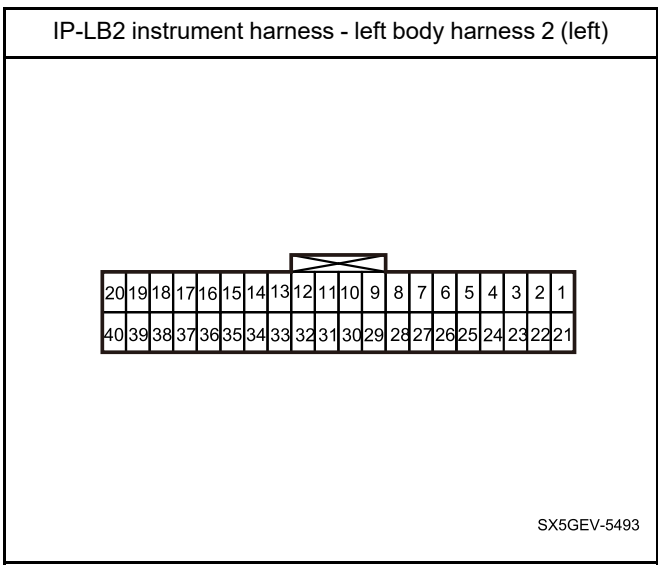
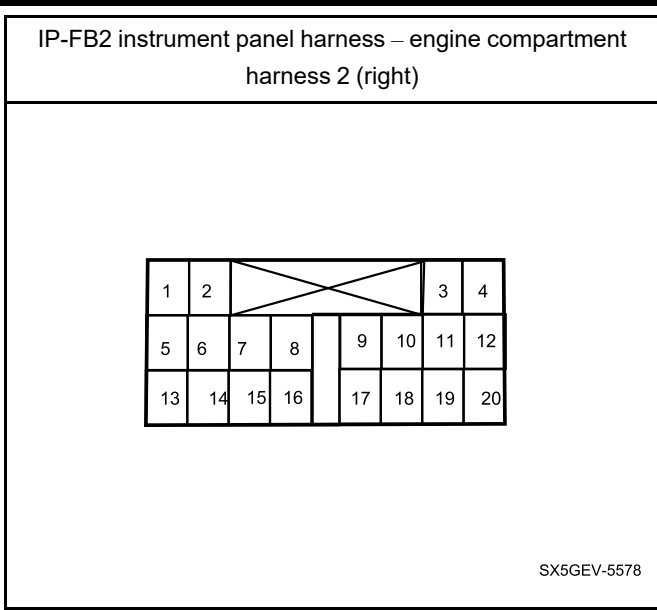
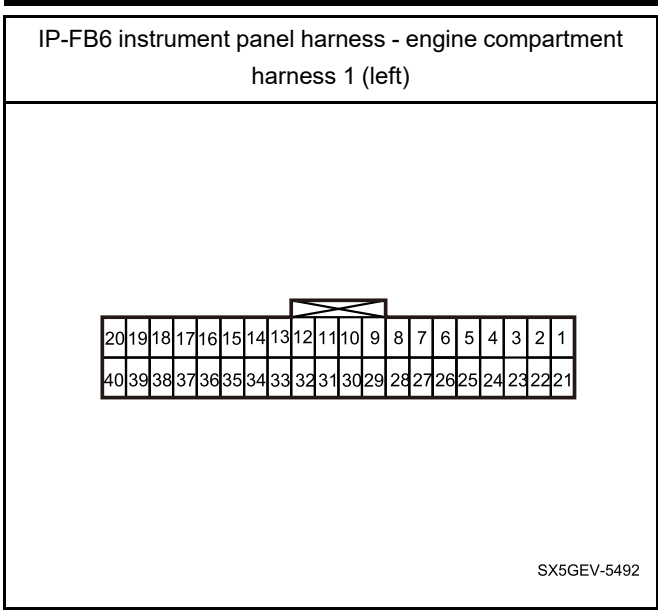


SX5GEV-5490

IP-FB7 instrument panel harness - engine compartment harness 2 (left)



SX5GEV-5491



3	GND	4	Panel P button
5	IG1	6	-
7	CAN L	8	CAN H
9	Panel indicator drive 1	10	Panel indicator drive 2
11	Panel indicator drive 3	12	Backlight power supply

IP08 P gear button

SX5GEV-5570

1	Backlight power supply	2	Panel indicator drive 1
3	Panel indicator drive 2	4	Panel indicator drive 3
5	Panel P button	6	GND

IP03A interior middle antenna

SX5GEV-5571

1	Antenna +	2	Antenna -
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IP04 wireless charging

SX5GEV-5572

1	ACC power supply	2	-
3	-	4	GND
5	CAN H	6	CAN L
7	-	8	-

IP05A APB switch

SX5GEV-5573

1	Parking brake output	2	Parking brake release input
3	Parking brake release output	4	Parking brake input
5	AVH switch	6	AVH switch indicator
7	EPB switch indicator	8	-
9	Backlight power supply	10	GND
11	-	12	B+ power supply

IP07A USB Power supply-2

SX5GEV-5574

1	-	2	ACC power supply
3	GND	4	-

IP1-IP console harness – instrument panel harness

SX5GEV-5576

IP06 type-C power supply interface

SX5GEV-5575

1	ACC power supply	2	GND
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IP79 GND point

SX5GEV-5340

1	GND	-	-
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IP53 left high-pitch speaker

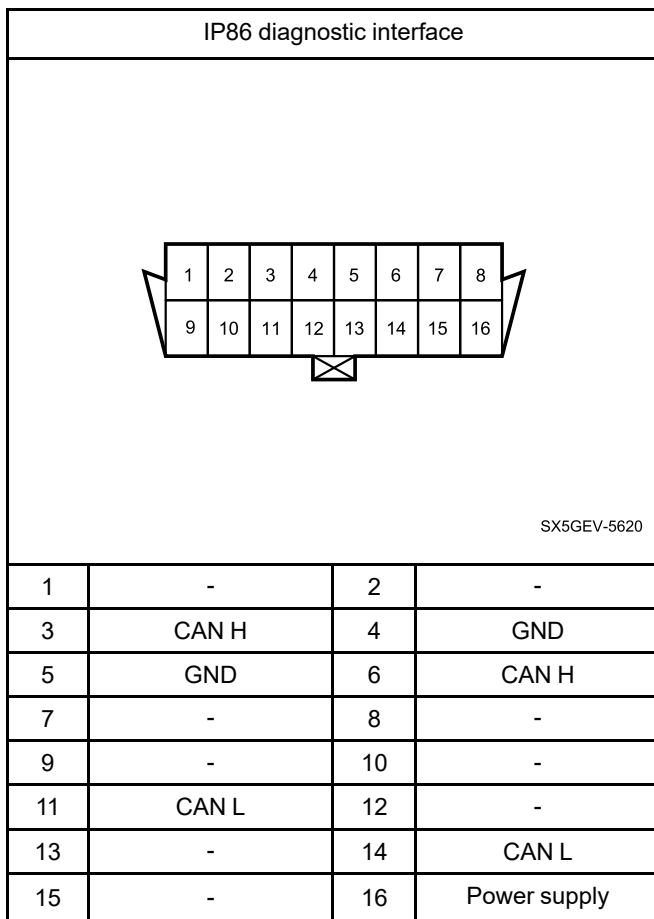
SX5GEV-5575

1	Signal -	2	Signal +
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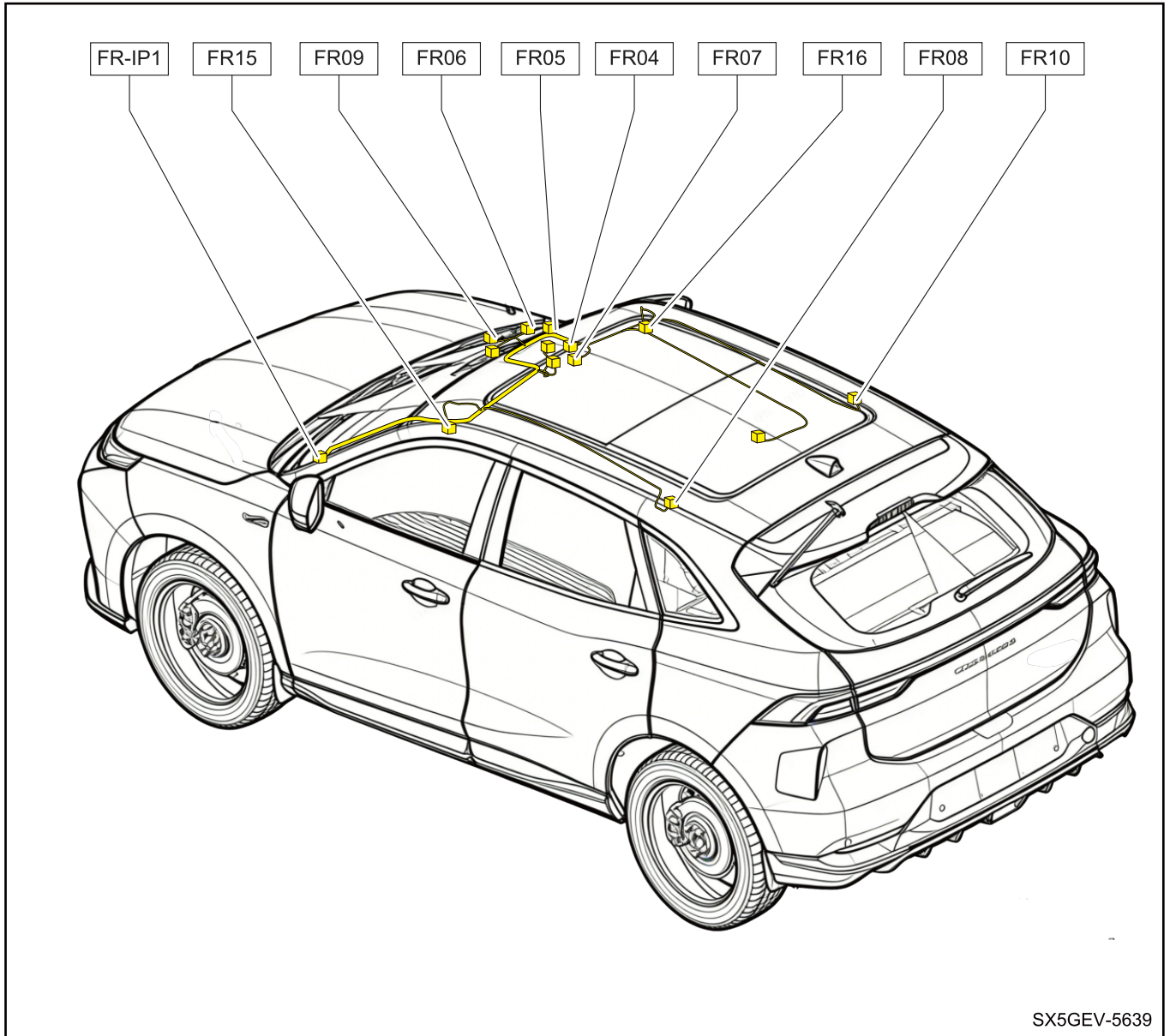
IP17 GND point

SX5GEV-5340

1	GND	-	-
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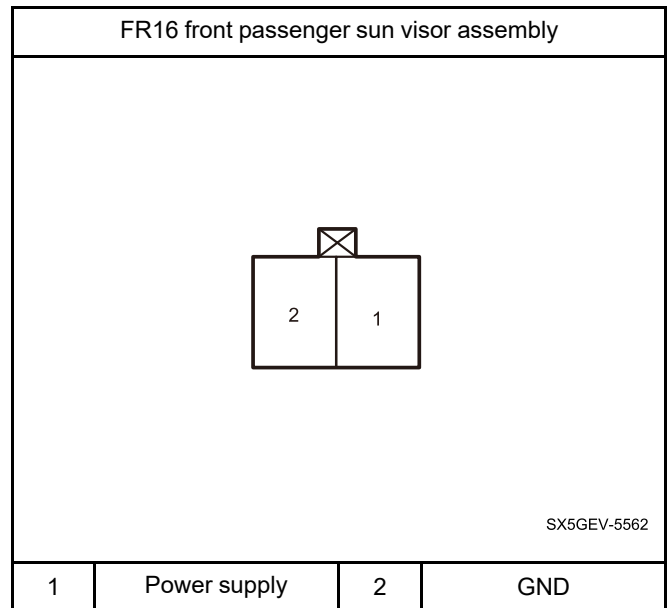
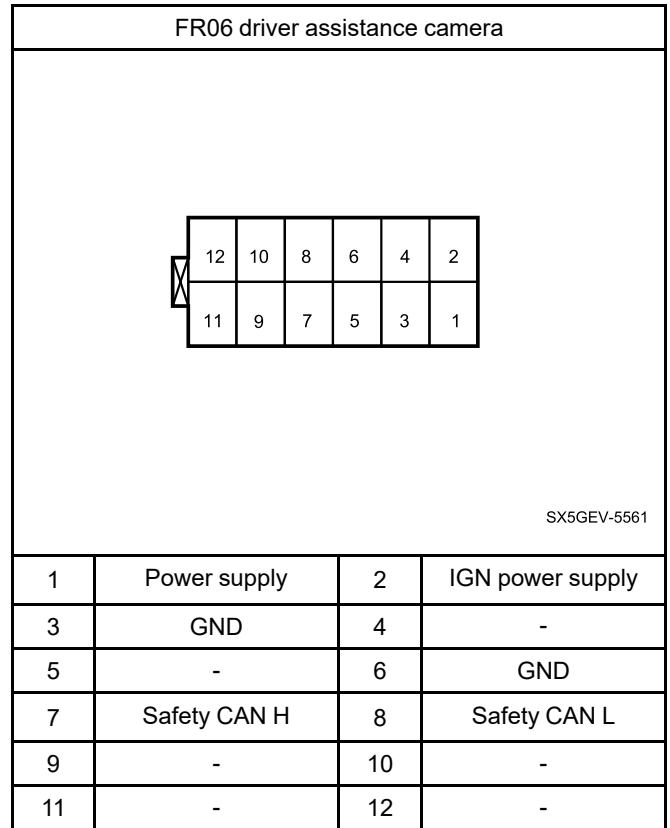
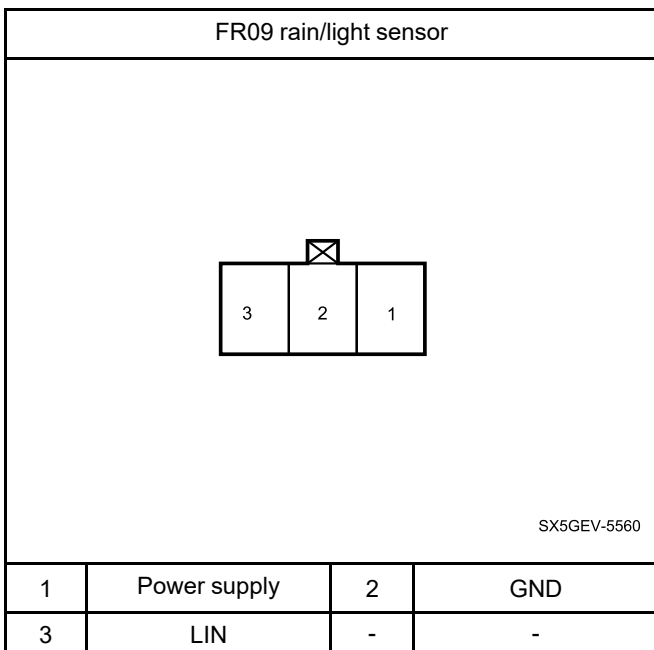
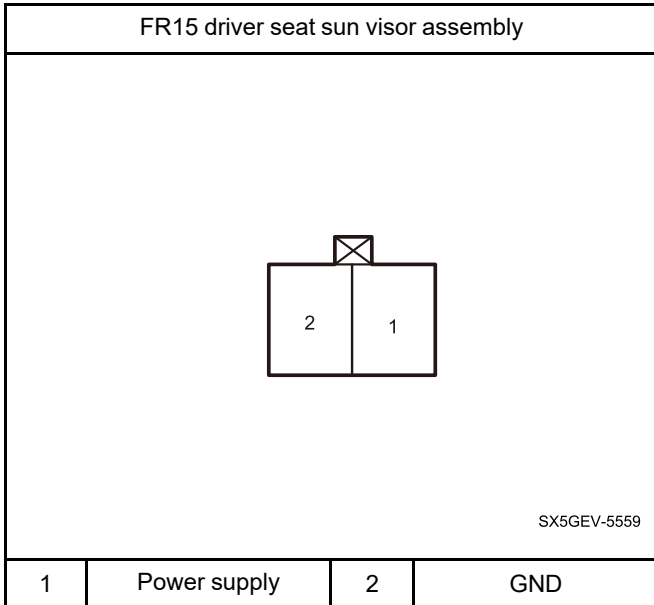
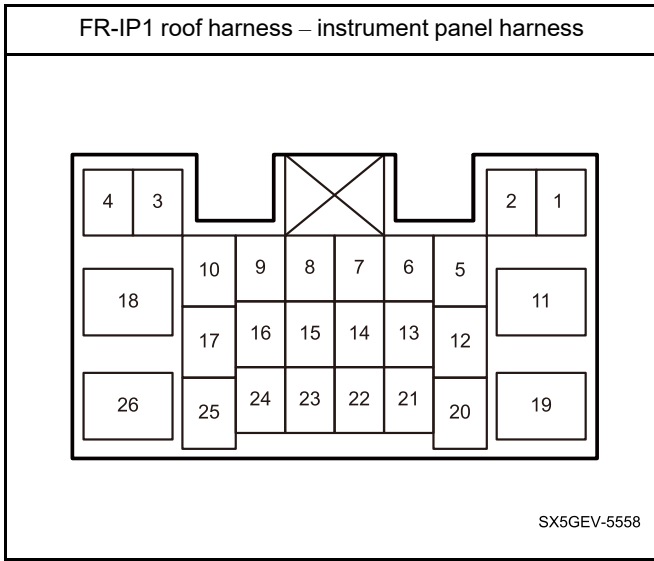
Layout of Roof Harnesses

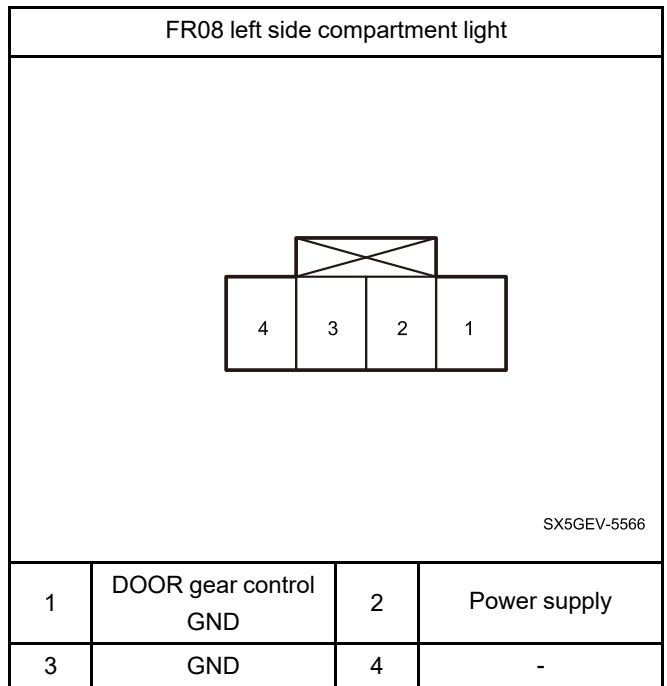
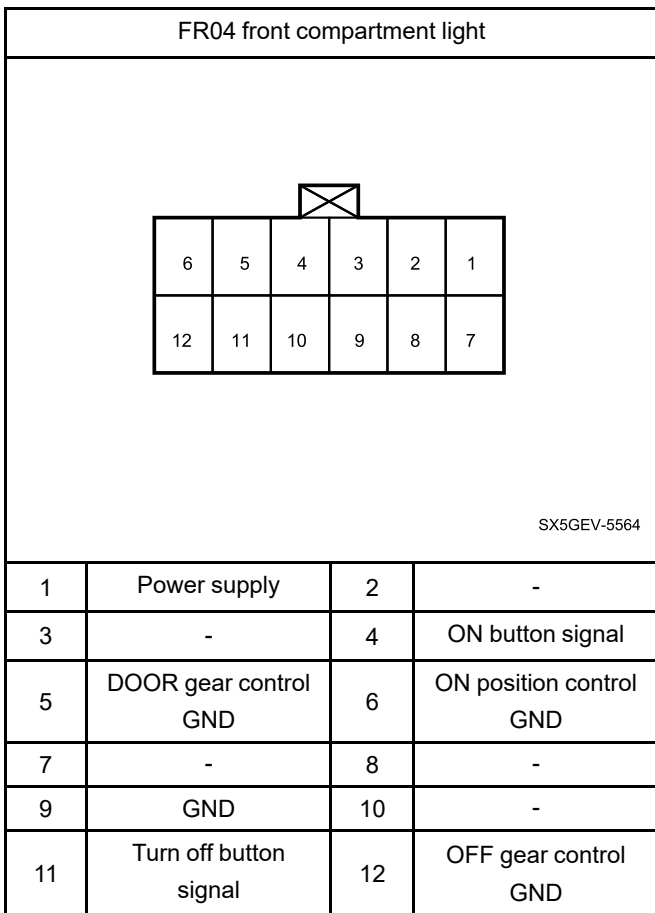
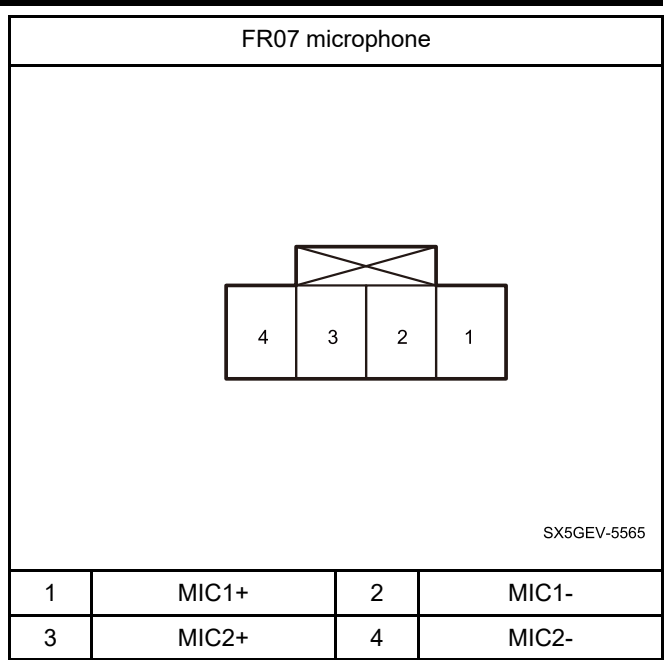
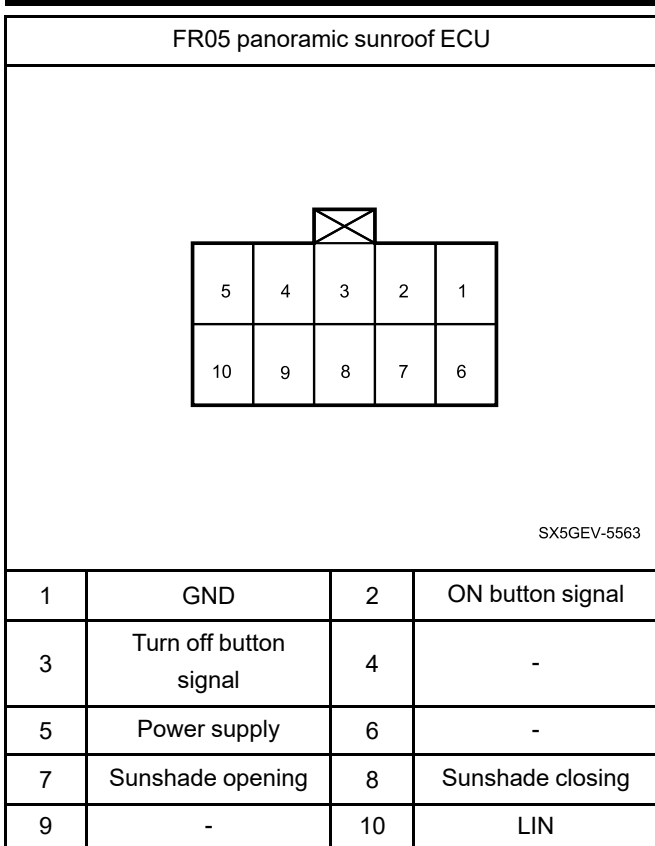


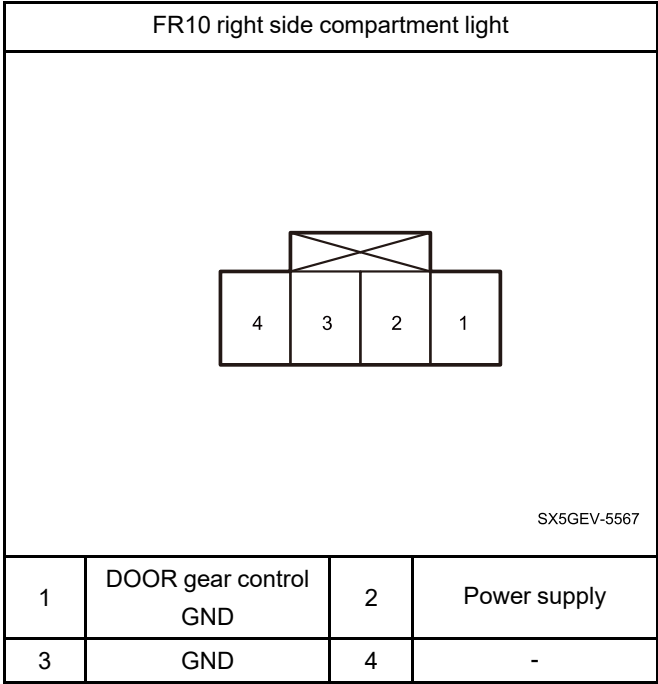
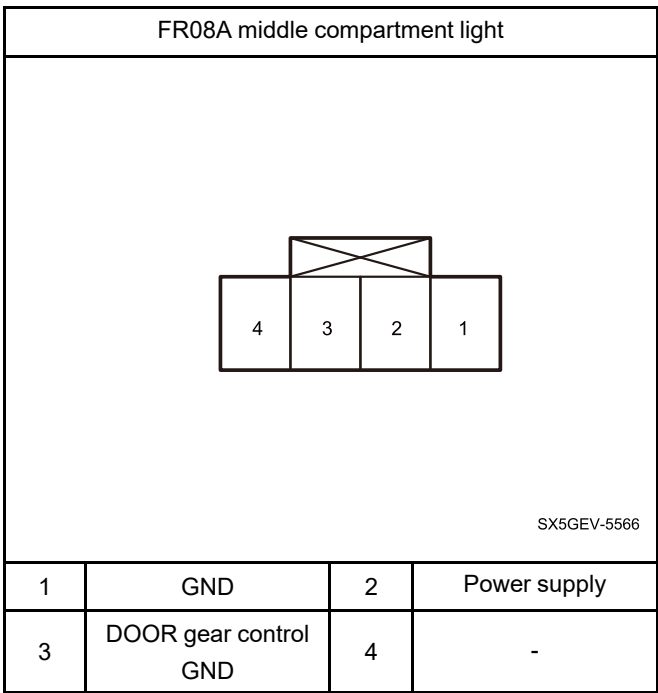
List of Roof Harness Connectors

Harness connector	Name	Harness connector	Name
FR-IP1	Roof harness - instrument panel harness	FR05	Panoramic sunroof ECU
FR15	Driver seat sun visor assembly	FR04	Front compartment light
FR09	Rain/light sensor	FR07	Microphone
FR06	Driver assistance camera	FR08	Left side compartment light
FR16	Front passenger sun visor assembly	FR10	Right side compartment light
FR08A	Middle compartment light	-	-

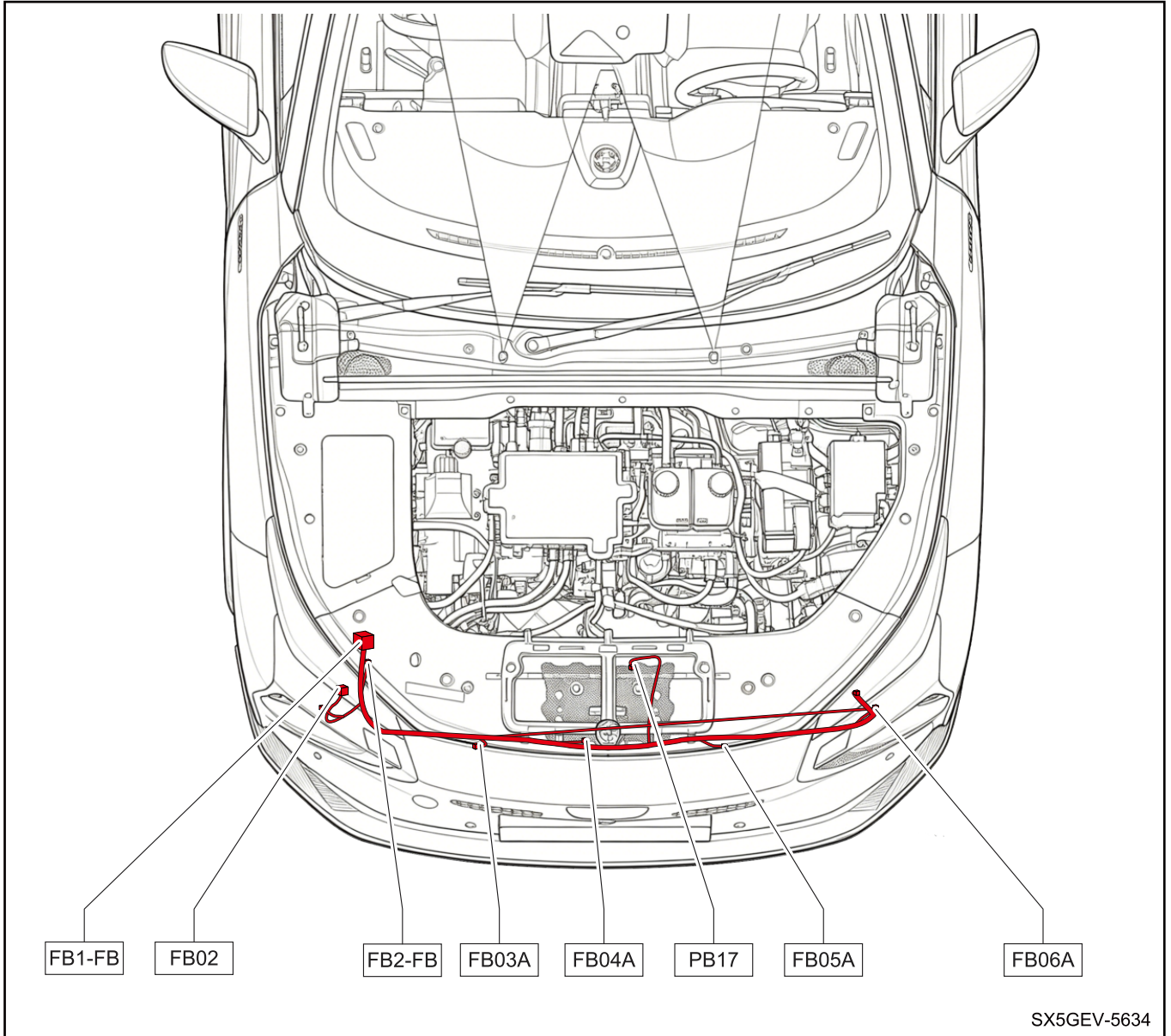
Definition of Roof Harness Terminals





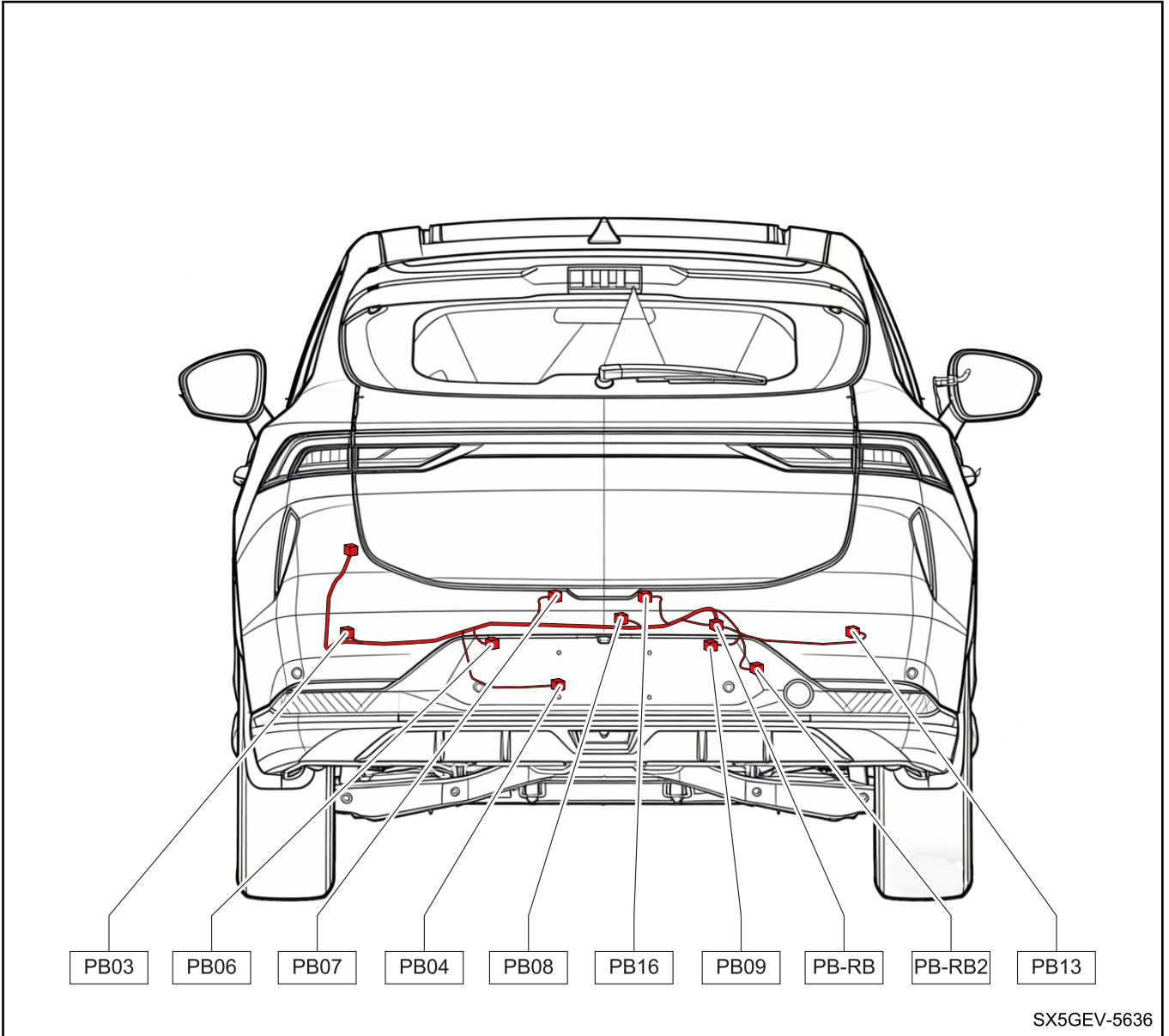


Layout of Front Bumper Harness



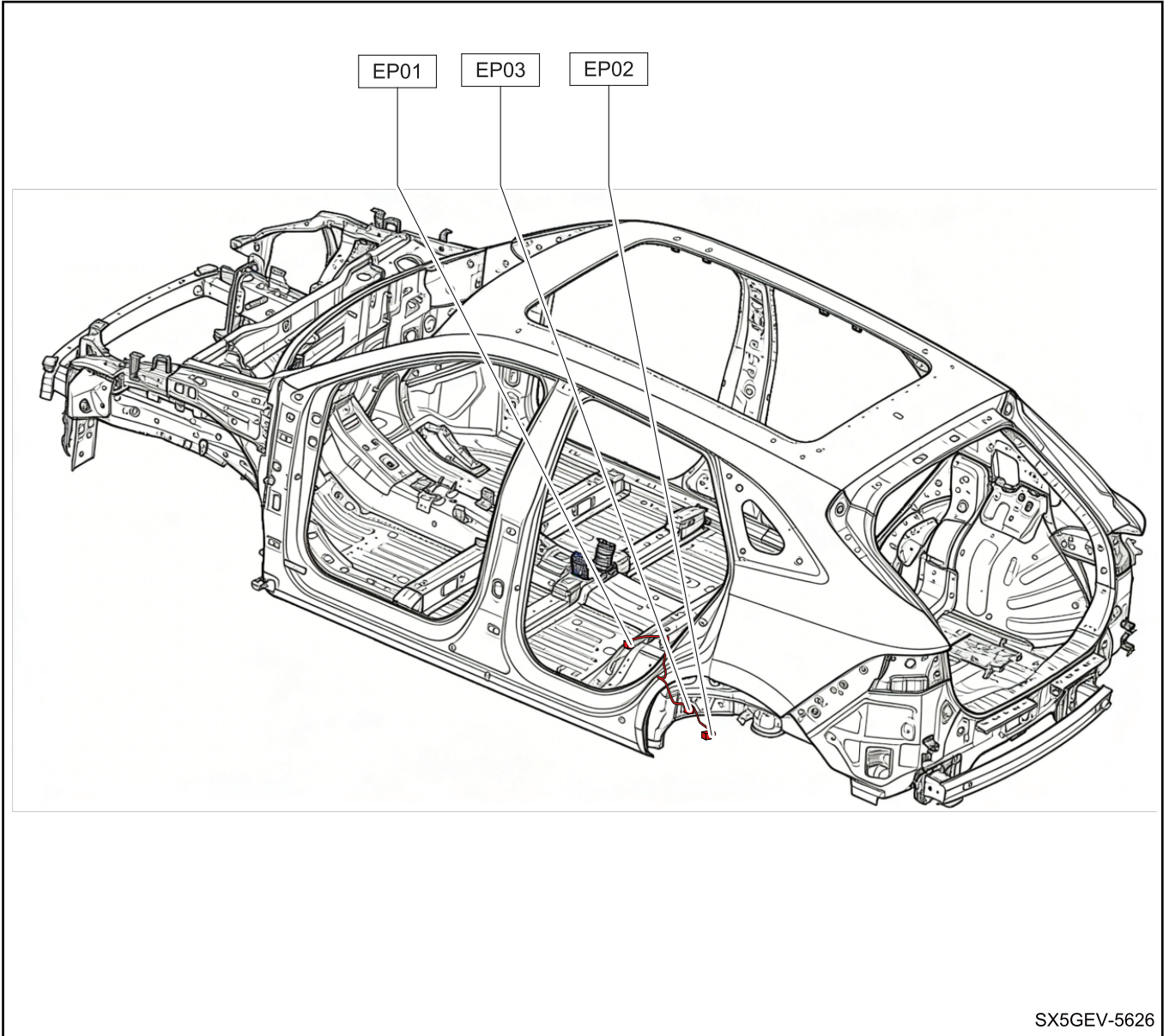
SX5GEV-5634

Layout of Rear Bumper Harness



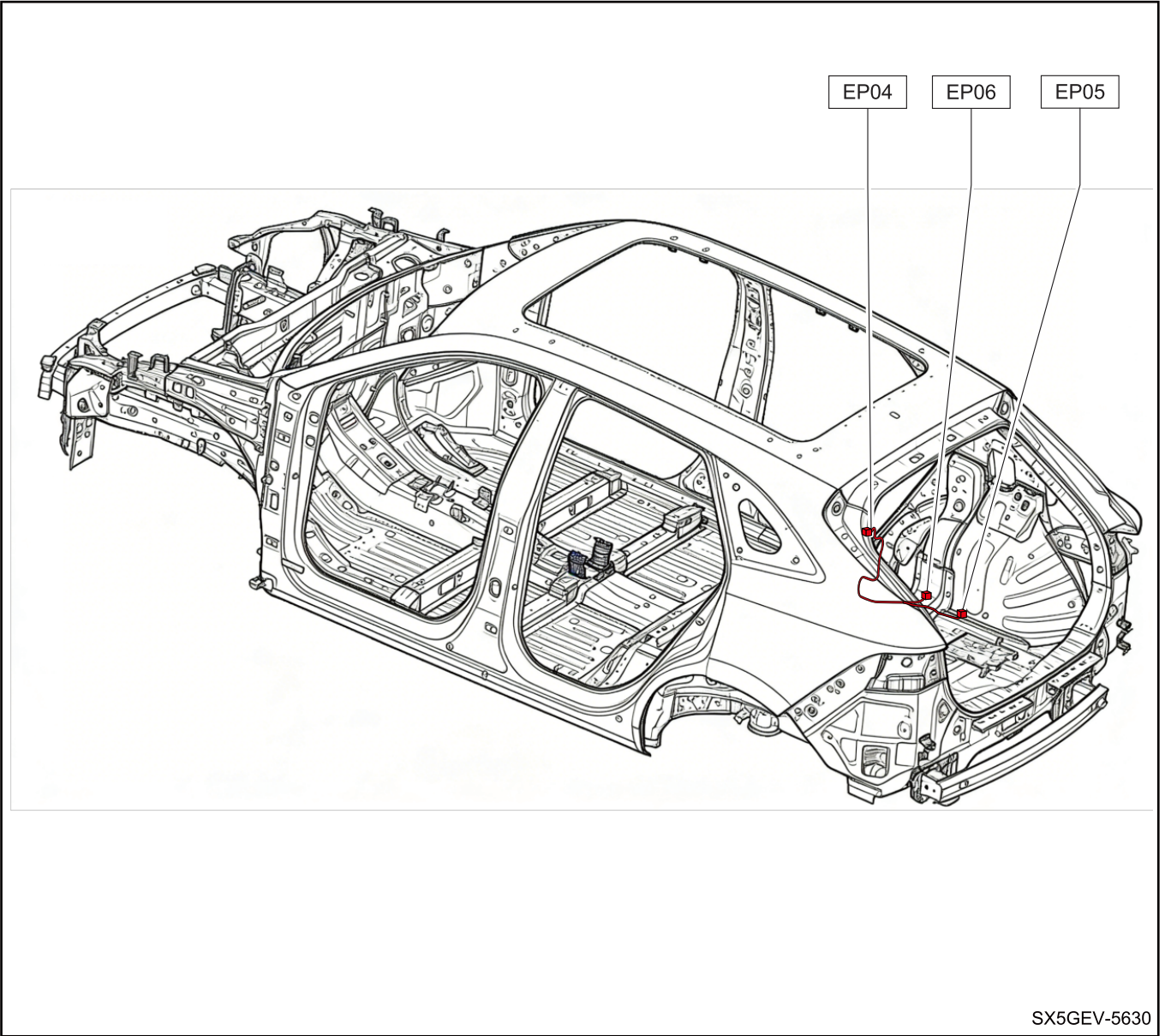
SX5GEV-5636

Layout of Left Caliper Harness



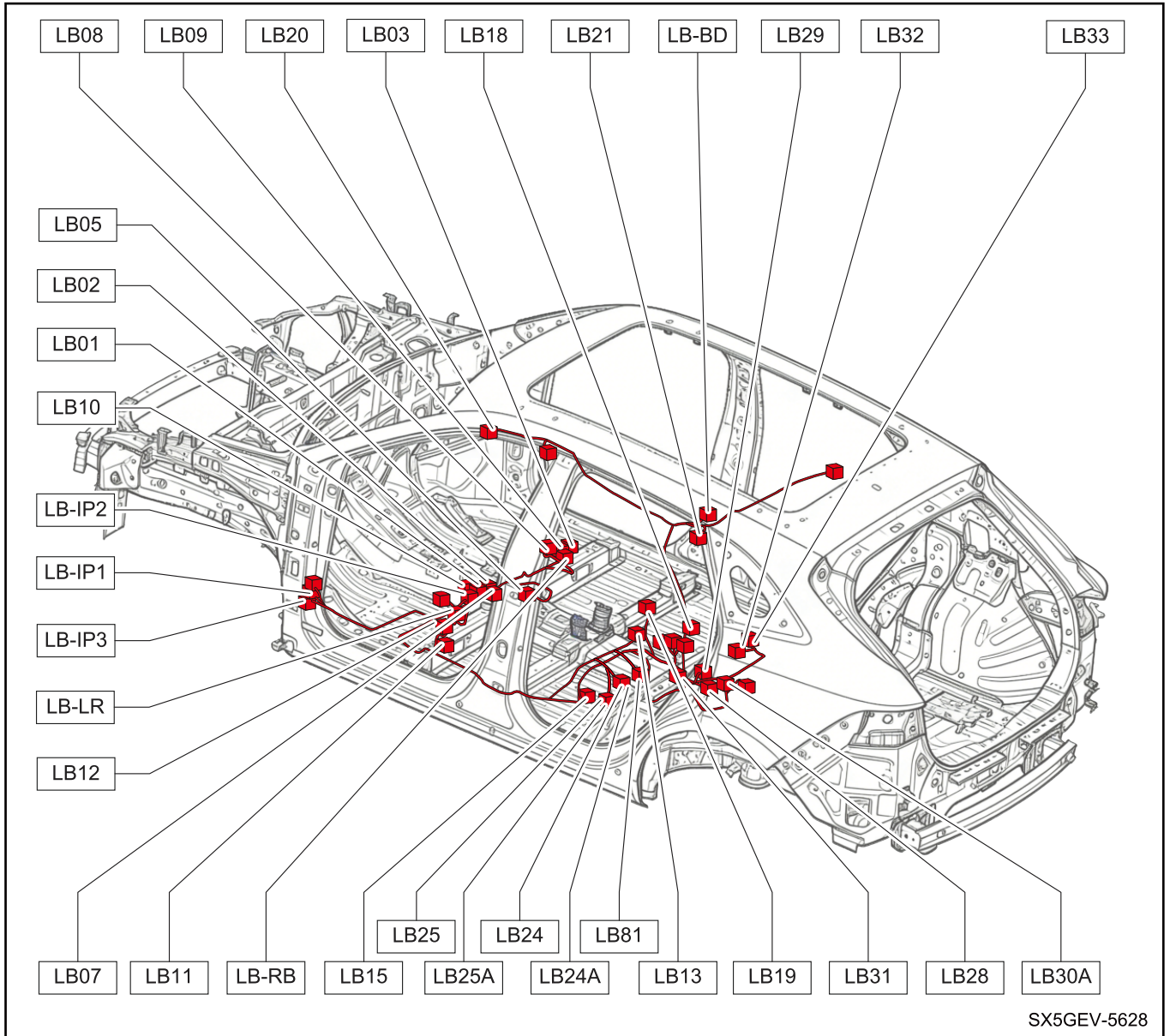
SX5GEV-5626

Layout of Right Caliper Harness

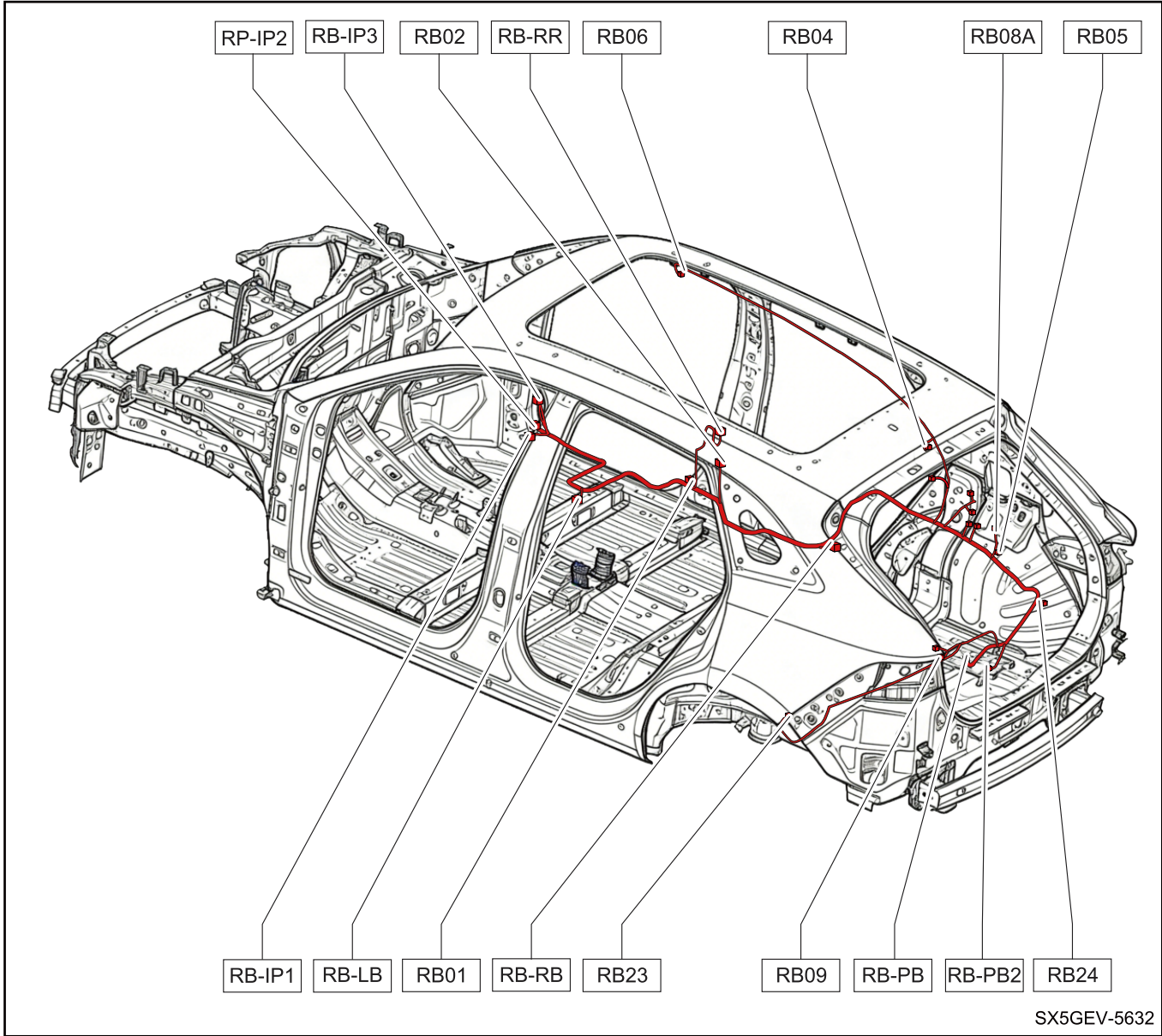


SX5GEV-5630

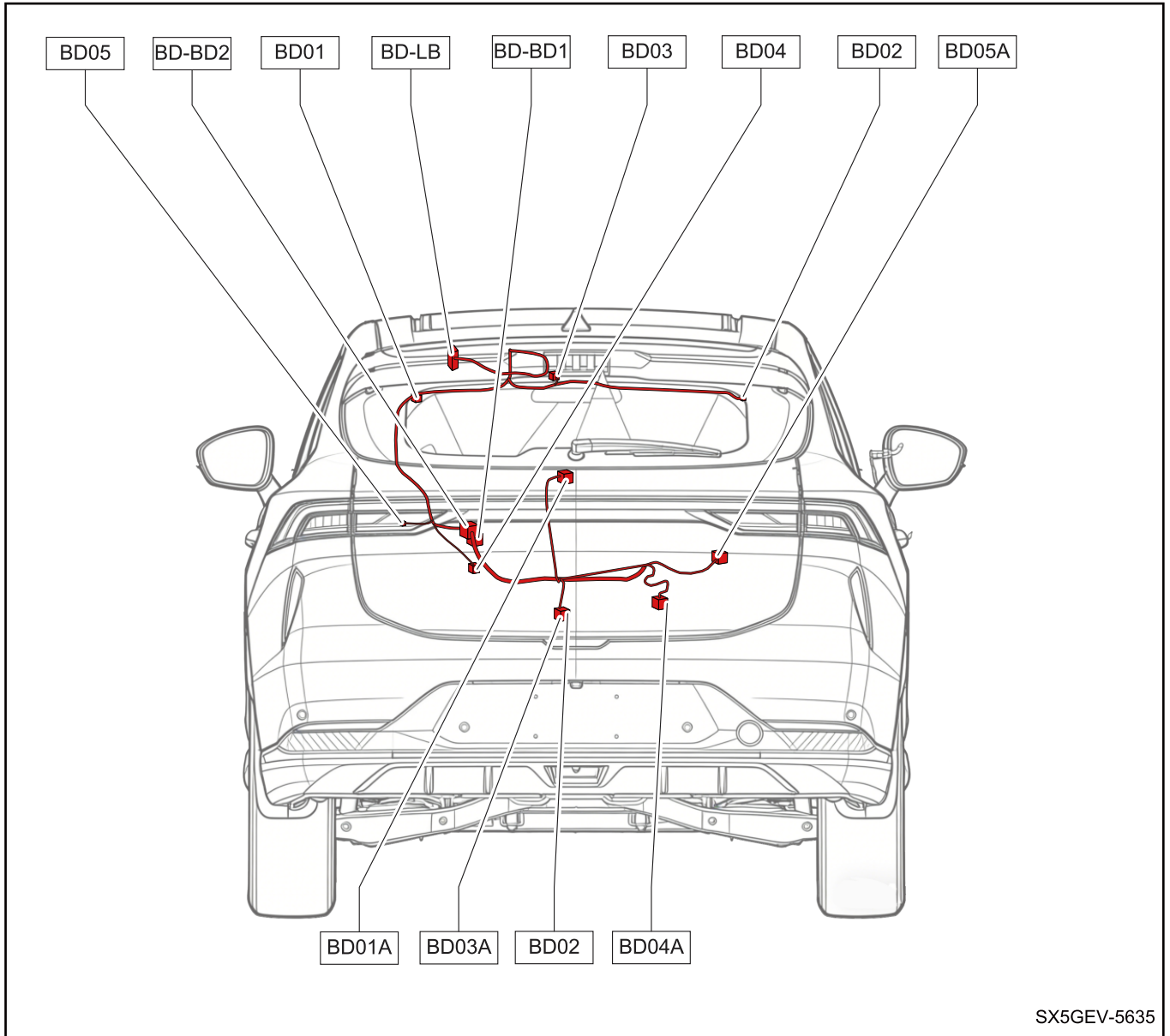
Layout of Left Body Harness



Layout of Right Body Harness



Layout of Boot Lid Harness



List of bottom plate harness connectors

Harness connector	Name	Harness connector	Name
LB-IP1	Left body harness - instrument panel harness 1 (left)	LB21	Left electric stay bar
LB-IP3	Left body harness - instrument panel harness 2 (left)	LB-BD	Left body harness – boot lid transition harness
LB-IP2	Left body harness - instrument panel harness (middle)	RB-LB	Right body harness – left body harness
LB04	GND point	RB-IP3	Right body harness – instrument panel harness 3
LB03A	Front passenger seat belt buckle	RB-IP2	Right body harness – instrument panel harness 2
LB07	Front passenger seat belt buckle	RB-IP1	Right body harness – instrument panel harness 1
LB01	Front passenger seat	RB01	Right side collision sensor
LB02	Left airbag	RB-RR	Right body harness – rear door harness
LB10	Front passenger seat sensing	RB02	Front right primary seat belt pretensioner
LB10	Front passenger seat sensing	RB-RB	Right body harness – right caliper harness
LB05	Airbag ECU	RB04	Rear right seat belt pretensioner
LB-RB	Left body harness – right body harness	RB06	Right side curtain airbag
LB07	Driver seat belt buckle	RB10	GND point 21
LB03	Driver seat belt buckle	RB11	GND point 22
LB08	Right airbag	RB05	120 Ω terminal resistor
LB08	Right airbag	RB08A	Rear right combination light A
LB11	Left side collision sensor	RB24	Right body harness - auxiliary corner radar transition line
LB12	Front left primary seat belt pretensioner	RB-PB2	Right body harness – rear bumper harness 2
LB-LR	Left body harness – rear door harness	RB-PB1	Right body harness – rear bumper harness 1
LB25	Rear left 60%-portion seat	RB09	Boot lid antenna
LB24	Rear right 40%-portion seat	RB23	Right body harness - main corner radar transition line
LB13	Interior rear antenna	RB12	Left corner radar
LB81	Rear integrated seat	RB33	Main corner radar transition line-right body harness
LB15	Left body harness – left caliper harness	RB23A	Left corner radar - main inline
LB31	Rear left seat belt buckle	RB34	Auxiliary corner radar transition line - right body harness
LB32	Rear middle seat belt buckle	RB24A	Right corner radar inline
LB33	Rear right seat belt buckle	BD-LB	Boot lid transition harness – left body harness

Harness connector	Name	Harness connector	Name
LB19	Rear left seat belt pretensioner	BD03	High-mounted brake light
LB16	GND point 25	BD02	Rear defroster power supply
LB17	GND point 26	BD01	Rear defroster GND
LB28	Power boot lid ECU A	BD-BD1	Boot lid transition harness – boot lid harness
LB29	Power boot lid ECU B	BD04	Microswitch
LB30A	Rear left combination light A	BD05	Rear combination light B
LB18	Trunk light	BD05A	Electric actuator
LB20	Left side curtain airbag	BD04A	Power boot lid closing switch
BD01A	Rear wiper motor	BD03A	Boot lid lock body
BD02	Boot lid lock body	EP06	Right caliper motor
BD1-BD	Boot lid harness – boot lid transition harness	EP04	Right caliper harness – right body harness
BD01A	Rear wiper motor	EP05	Rear right wheel speed sensor
EP03	Left caliper motor	PB-RB	Rear bumper harness – right body harness 1
EP01	Left caliper harness – left body harness	FB04A	Front camera
EP02	Rear left wheel speed sensor	PB17	Charging port cap lock
PB-RB2	Rear bumper harness – engine compartment harness	FB05A	Front middle left UPA probe
PB09	Rear right middle radar probe	FB06A	Front left UPA probe
PB13	Main radar probe	PB-RBA	Rear bumper harness – right body harness 1
PB16	Right license plate light	PB13	Main radar probe
PB08	Rear camera	PB08A	Rear camera
PB07	Left license plate light	PB06	Rear left middle radar probe
PB06	Rear left middle radar probe	PB03	Rear left radar probe
PB03	Rear left radar probe	PB12	Rear right UPA probe
PB04	Rear fog light	PB10	Rear middle right UPA probe
FB1-FB	Front bumper harness – engine compartment harness 1	LB09	Driver seat
FB2-FB	Front bumper harness – engine compartment harness 2	PB05	Rear middle left UPA probe
FB02	Front right UPA probe	FB03A	Front middle right UPA probe
PB02	Rear left UPA probe	-	-

Definition of bottom plate harness terminal

LB-IP1 left body harness – instrument panel harness 1 (left)

4	3	X				2	1	
12	11	10	9		8	7	6	5
20	19	18	17		16	15	14	13

SX5GEV-5349

LB-IP2 left body harness – instrument panel harness 2 (left)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40


SX5GEV-5350

LB-IP3 left body harness - instrument panel harness (middle)

X					
1	2	3	4	5	6
7	8	9	10	11	12

SX5GEV-5351

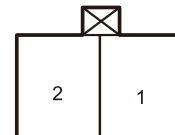
LB04 GND point?



SX5GEV-5352

1	GND	-	-
---	-----	---	---

LB03A front passenger seat belt buckle



SX5GEV-5353

1	Front passenger seat belt switch-	2	Front passenger seat belt switch+
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LB07A front passenger seat belt buckle

SX5GEV-5354

1	Front passenger seat belt switch-	2	Front passenger seat belt switch+
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LB10 front passenger sensor

SX5GEV-5356

1	Front passenger seat sensing -	2	Front passenger seat sensing +
---	--------------------------------	---	--------------------------------

LB02 left airbag

SX5GEV-5355

1	Driver side airbag +	2	Driver side airbag -
---	----------------------	---	----------------------

LB05 airbag ECU

SX5GEV-5359

1	-	2	-
3	-	4	-
5	Rear right seat belt pretensioner -	6	Rear right seat belt pretensioner +
7	Rear left seat belt pretensioner +	8	Rear left seat belt pretensioner -
9	Passenger side collision sensor +	10	Passenger side collision sensor -
11	Driver side collision sensor -	12	Driver side collision sensor +
13	-	14	-
15	-	16	-
17	Passenger side airbag -	18	Passenger side airbag +
19	Driver side airbag +	20	Driver side airbag -

21	Passenger side curtain airbag -	22	Passenger side curtain airbag +
23	Driver side curtain airbag +	24	Driver side curtain airbag -

LB-RB left body harness – right body harness

SX5GEV-5360

LB07 driver seat belt buckle

SX5GEV-5363

1	Sensor GND -	2	Unfastened driver seat belt signal
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LB01 front passenger seat

SX5GEV-5362

1	Power supply	2	Power supply
3	-	4	CF-CAN-H
5	CF-CAN-L	6	LIN
7	-	8	-
9	-	10	-
11	GND	12	-
13	Front passenger seat heating power supply +	14	-
15	NTC+	16	NTC-
17	-	18	-
19	-	20	IGN1

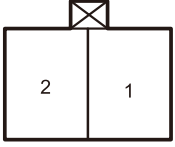
LB09 driver seat

SX5GEV-5358

1	Power supply	2	-
3	-	4	-
5	-	6	-
7	-	8	-
9	-	10	-

11	GND	12	-
13	Front passenger seat heating power supply +	14	GND
15	NTC+	16	NTC-
17	-	18	-
19	-	20	IGN1

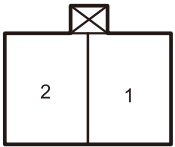
LB03 driver seat belt buckle



SX5GEV-5364

1	Sensor GND	2	Unfastened driver seat belt signal
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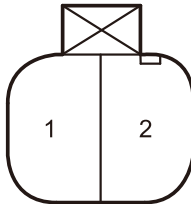
LB08 right side airbag



SX5GEV-5365

1	Positive terminal	2	Negative terminal
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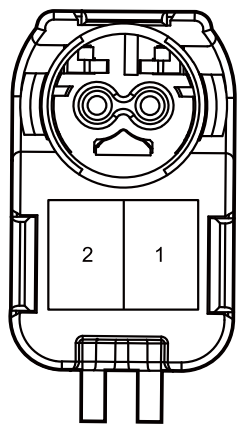
LB11 left side collision sensor



SX5GEV-5367

1	Negative terminal	2	Positive terminal
---	-------------------	---	-------------------

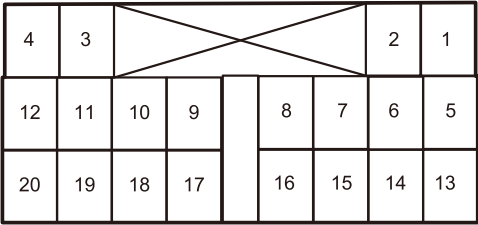
LB12 front left primary seat belt pretensioner



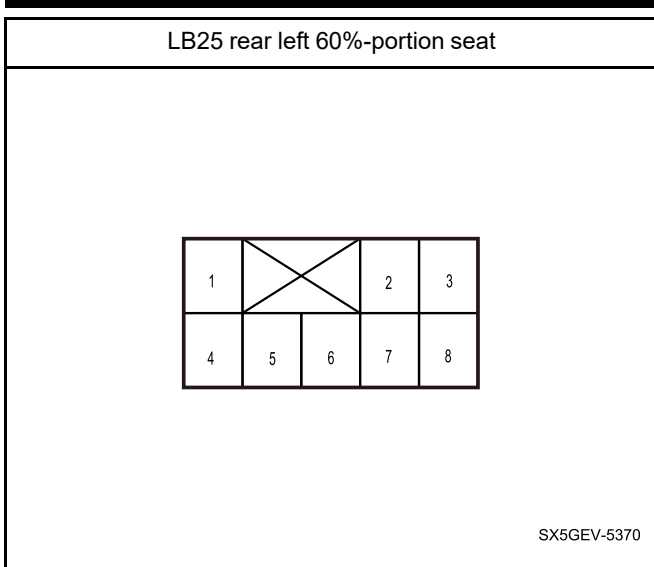
SX5GEV-5368

1	Positive terminal	2	Negative terminal
---	-------------------	---	-------------------

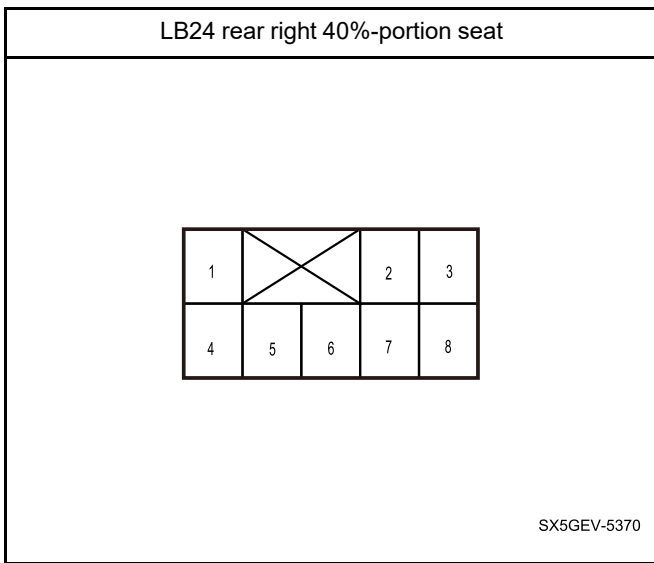
LB- LR left body harness – rear door harness



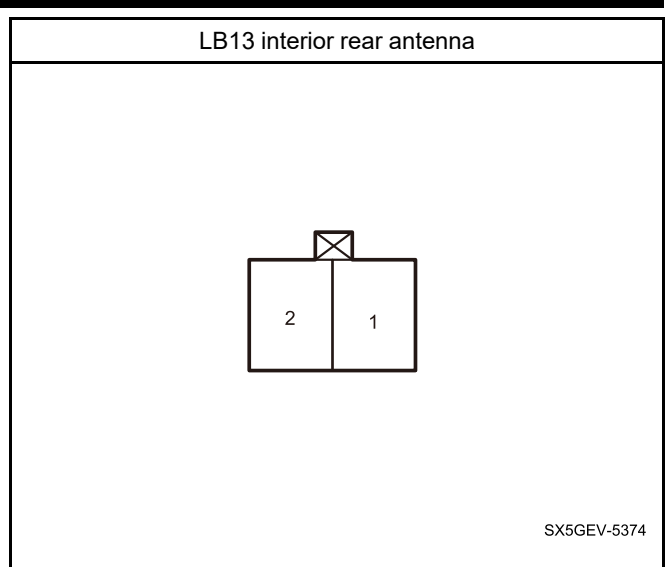
SX5GEV-5369



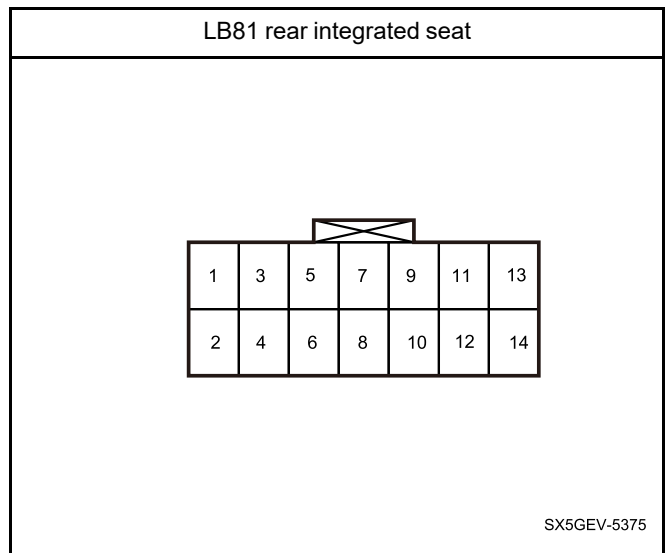
1	-	2	-
3	-	4	-
5	Automatic lighting input	6	Sensor GND
7	Rear middle seat belt buckle GND	-	-



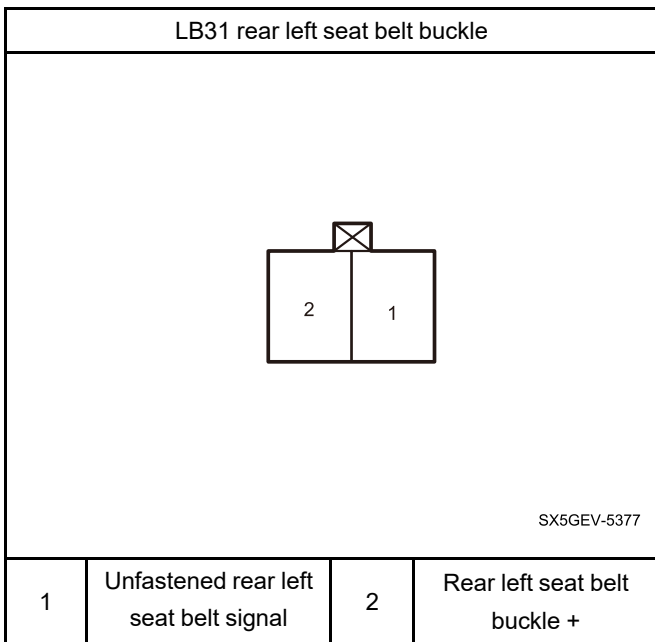
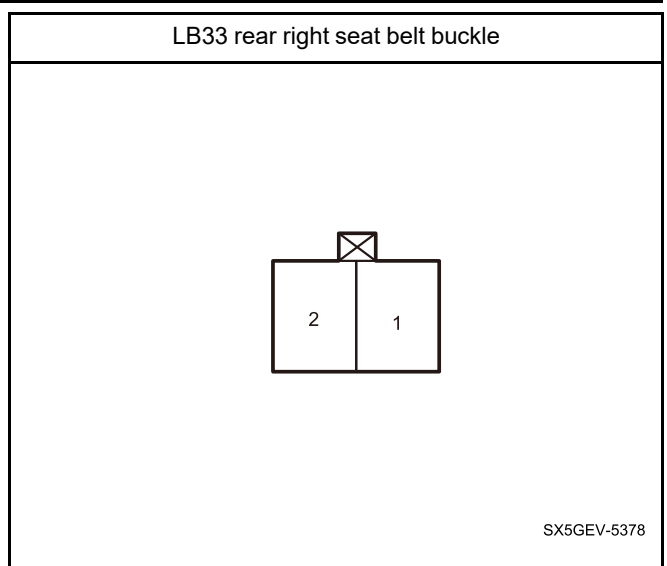
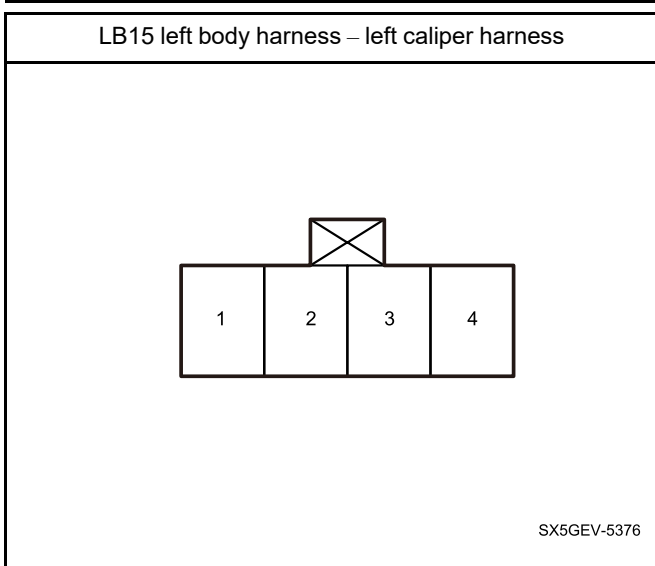
1	-	2	-
3	-	4	-
5	Automatic lighting input	6	Sensor GND
7	-	-	-



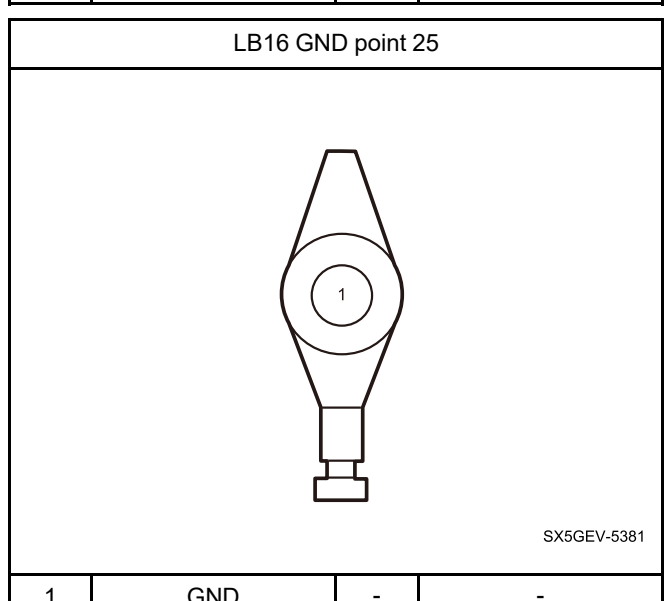
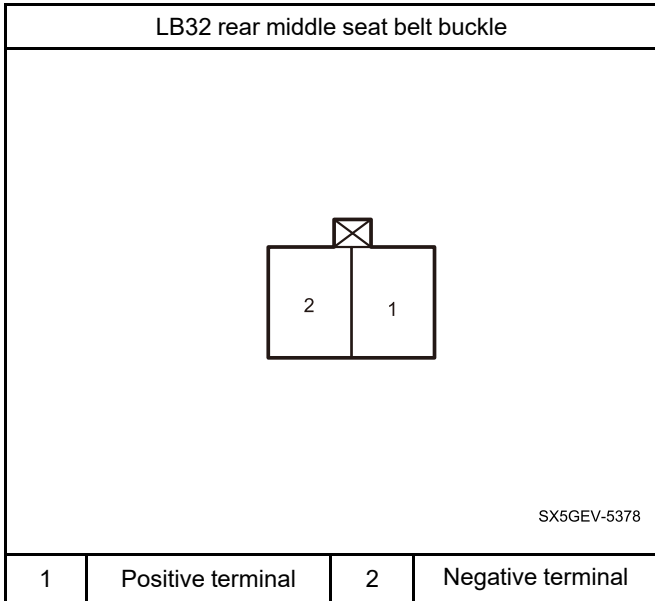
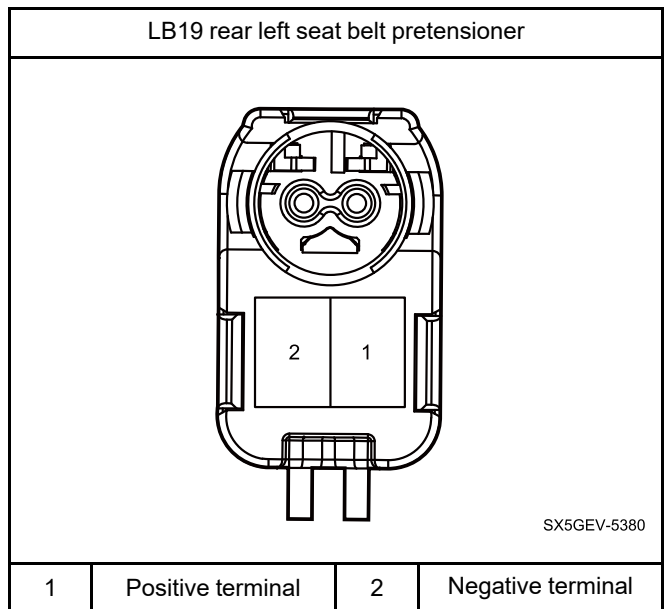
1	Interior antenna +	2	Interior antenna -
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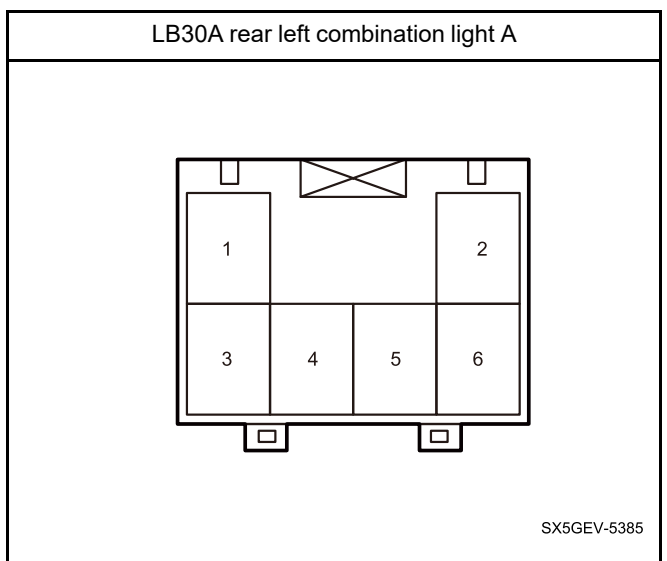
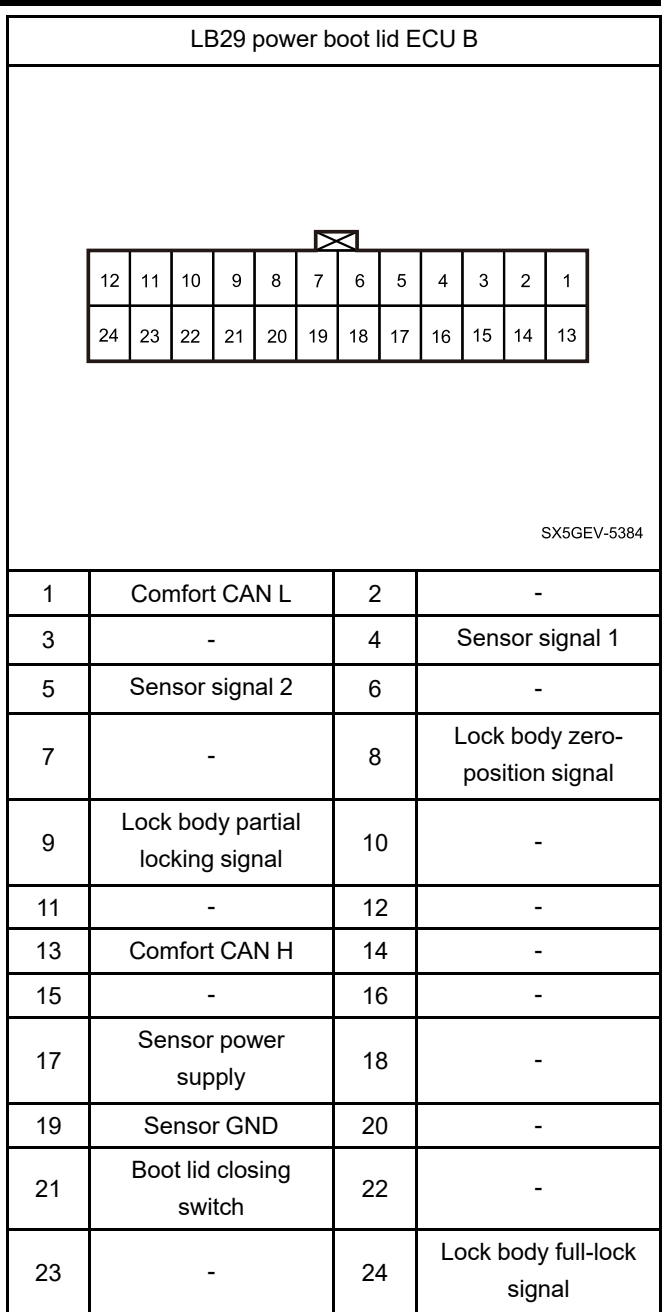
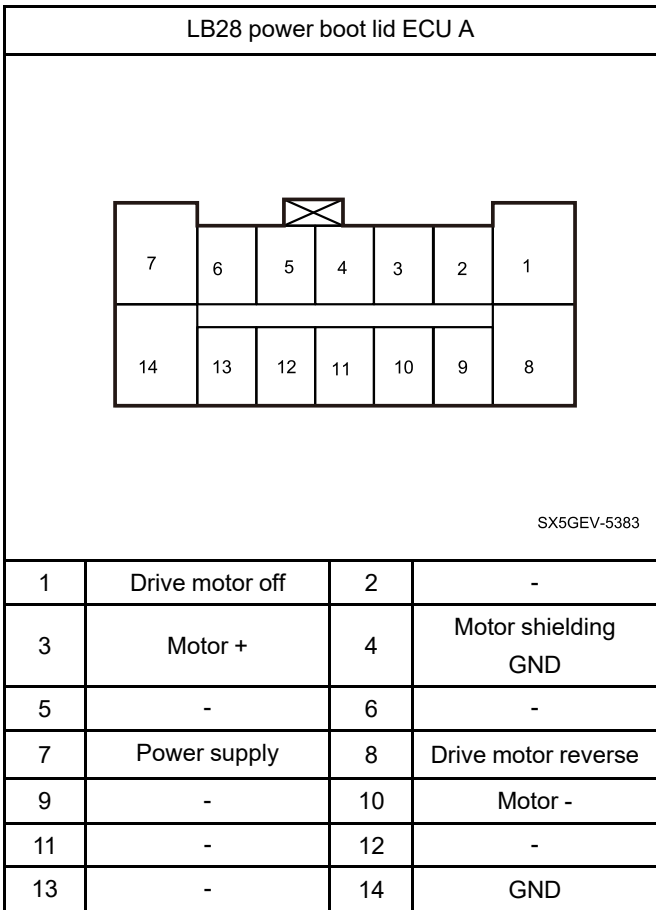
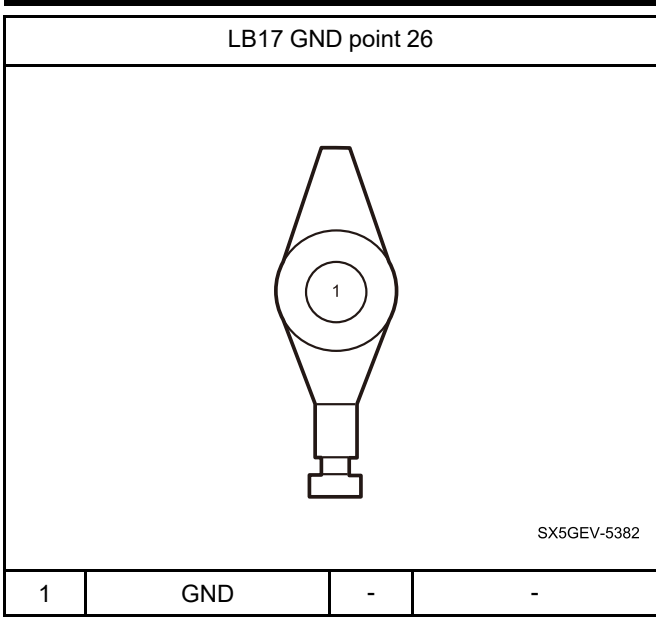


1	-	2	-
3	-	4	-
5	-	6	Rear left seat belt buckle +
7	Rear middle seat belt buckle +	8	Rear right 40%-portion seat +
9	GND	10	-
11	-	12	-
13	-	14	-



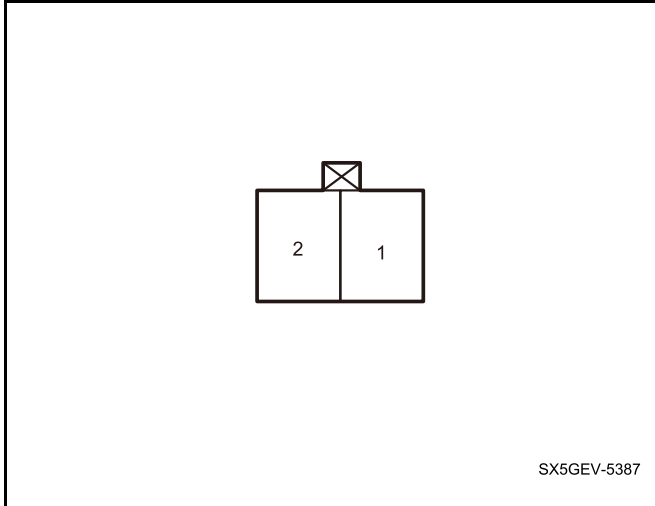
1	Negative terminal	2	Positive terminal
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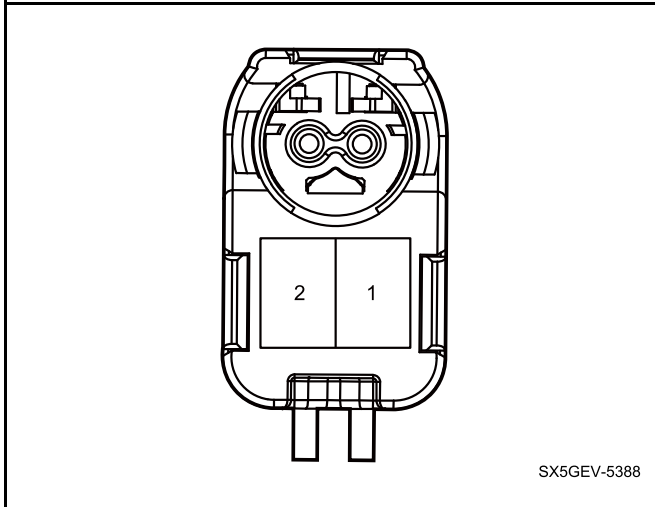
1	GND	2	Position light +
3	Brake light +	4	Left turn signal +
5	Rear left turn signal light open-circuited feedback signal	6	Sequential turn signal

LB18 luggage compartment light



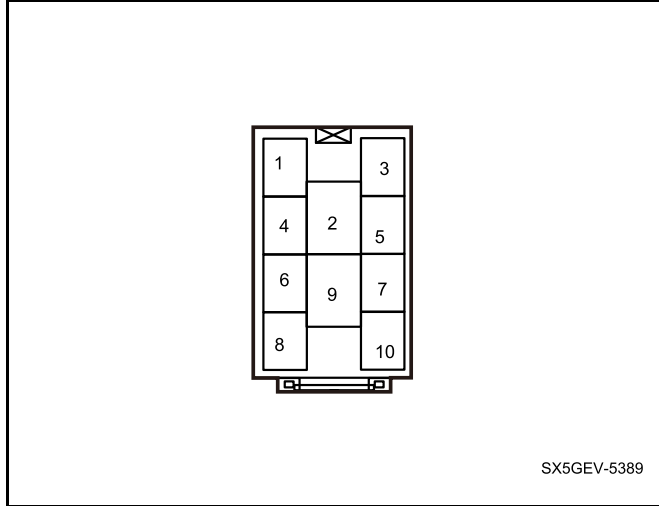
1	GND	2	Power supply
---	-----	---	--------------

LB20 left side curtain airbag



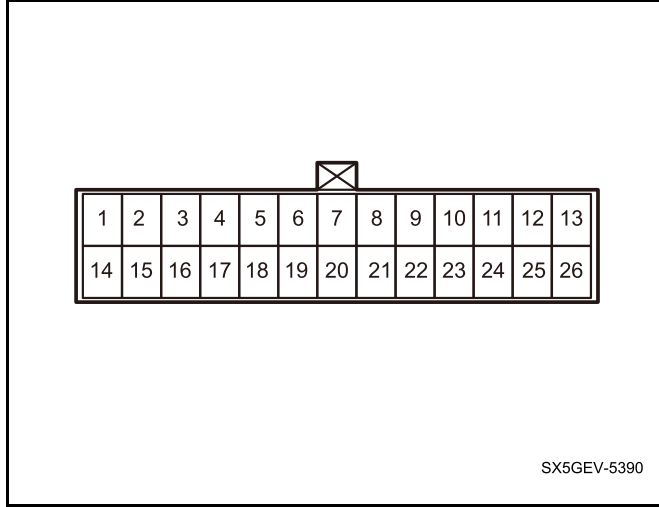
1	Positive terminal	2	Negative terminal
---	-------------------	---	-------------------

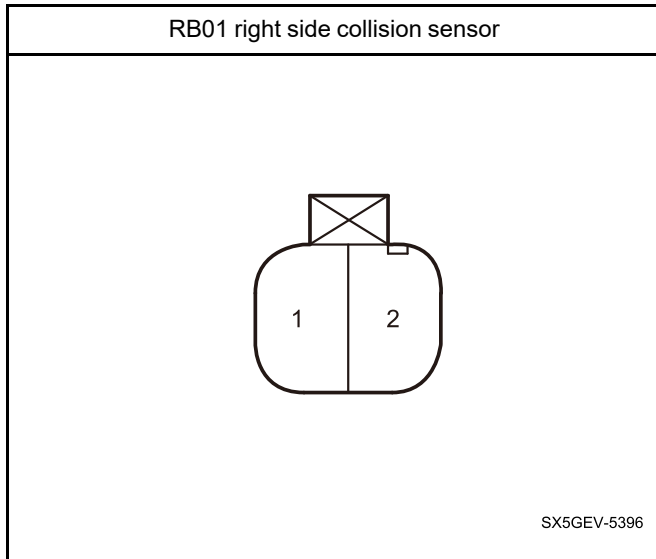
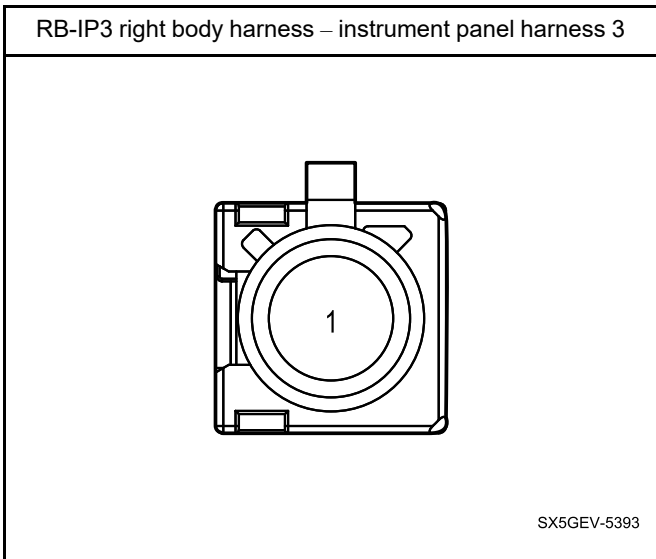
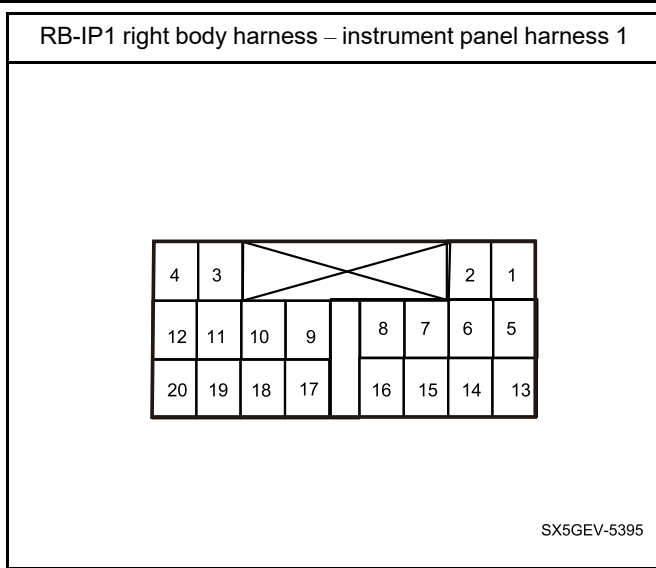
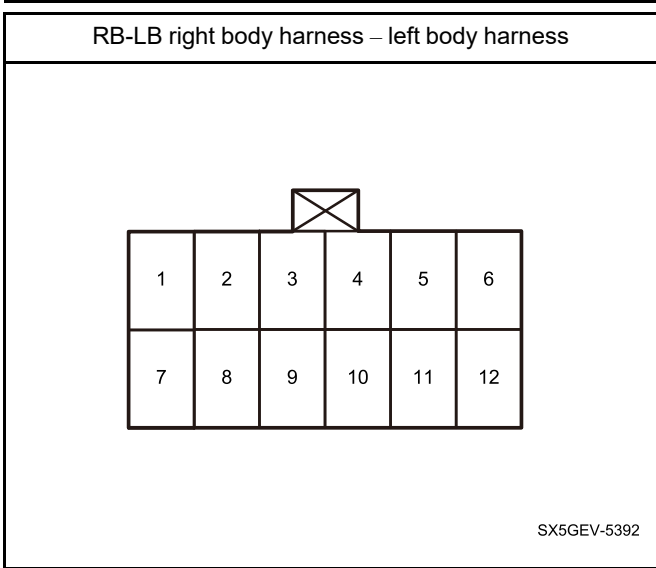
LB21 left electric stay bar



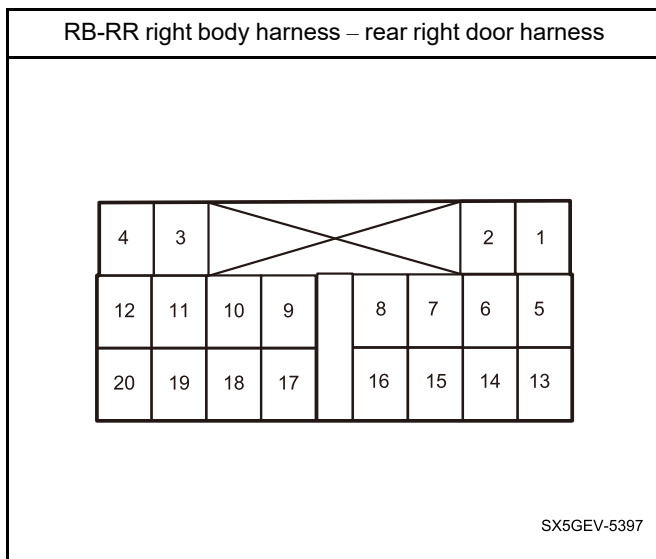
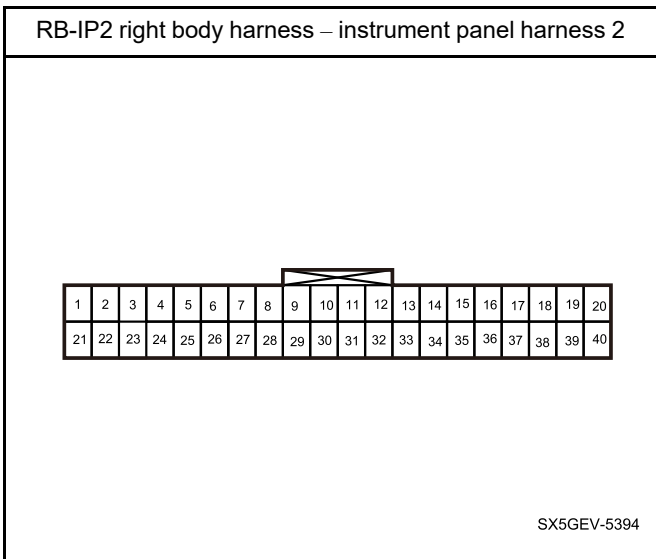
1	Sensor power supply	2	Motor -
3	Motor shielding GND	4	Sensor signal 1
5	-	6	Sensor signal 2
7	-	8	Sensor GND
9	Motor +	10	-

LB-BD left body harness - boot lid transition harness





1	Negative terminal	2	Positive terminal
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RB02 front right primary seat belt pretensioner

SX5GEV-5398

1	Positive terminal	2	Negative terminal
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RB06 right side curtain airbag

SX5GEV-5402

1	Positive terminal	2	Negative terminal
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RB-RB right body harness-right caliper wire

SX5GEV-5399

RB10 GND point 21

SX5GEV-5404

1	GND	-	-
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RB04 rear right seat belt pretensioner

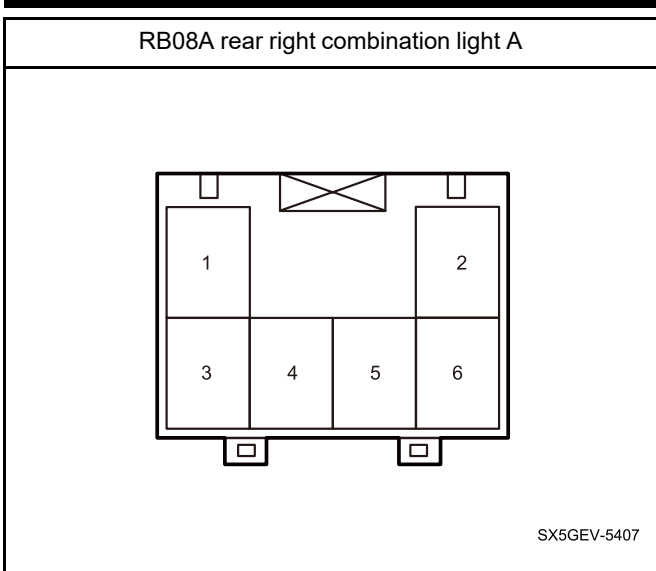
SX5GEV-5401

1	Positive terminal	2	Negative terminal
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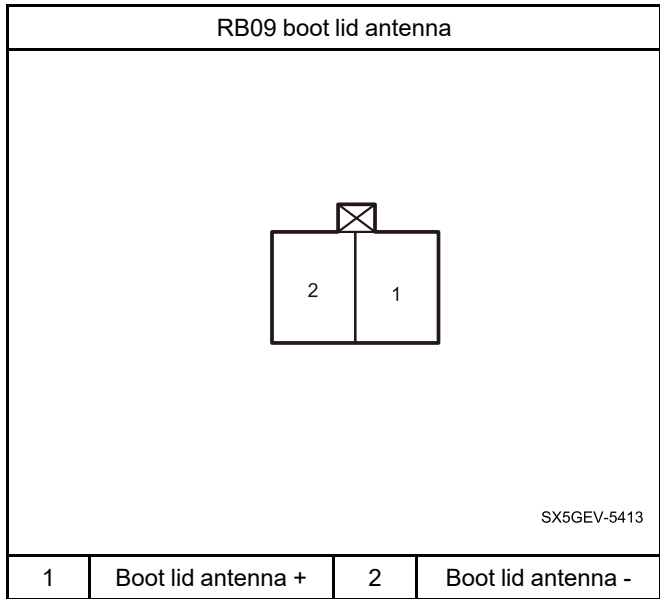
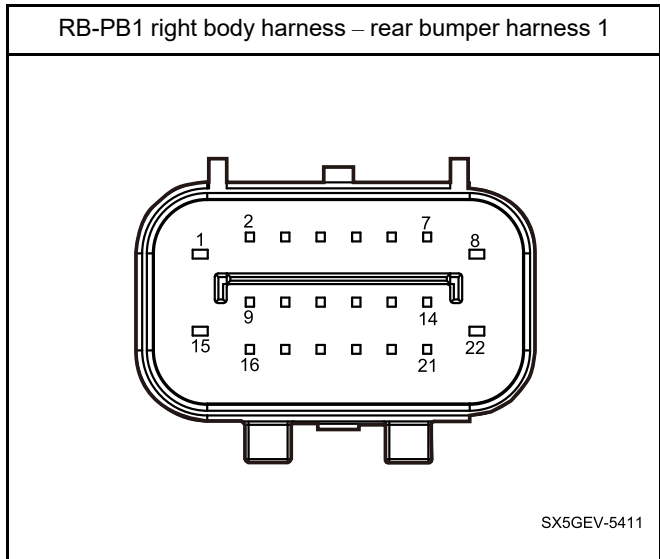
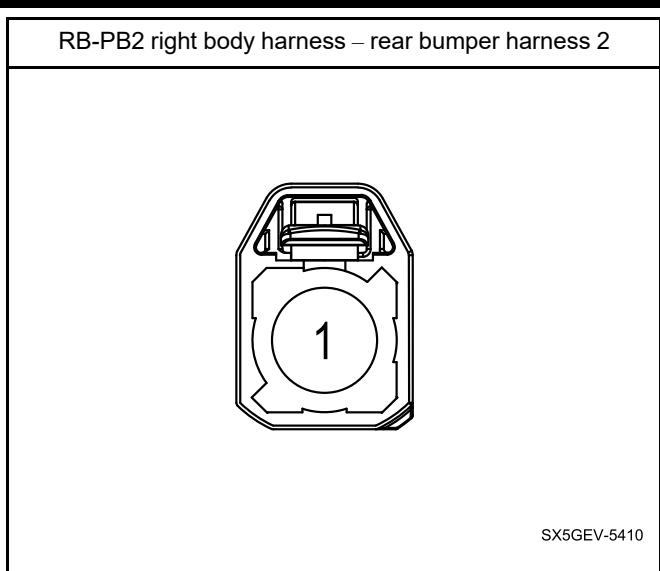
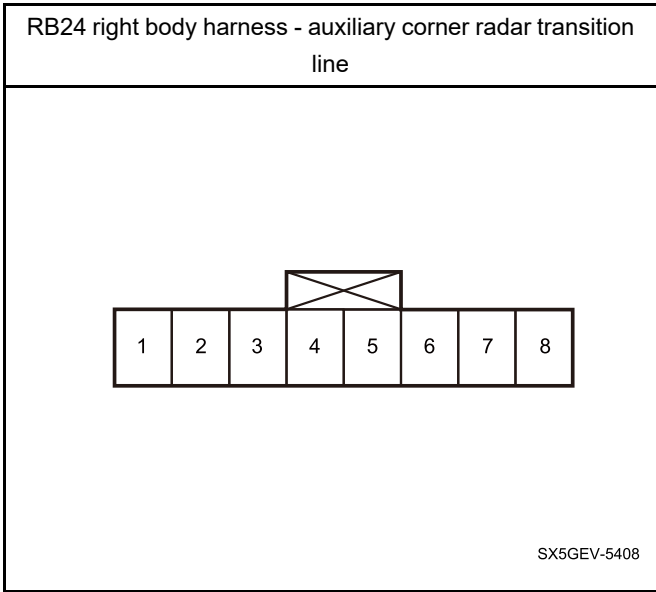
RB11 GND point 22

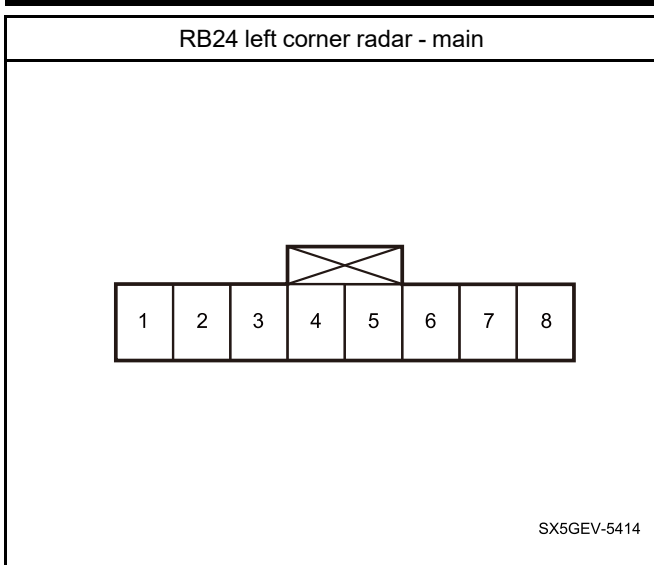
SX5GEV-5405

1	GND	-	-
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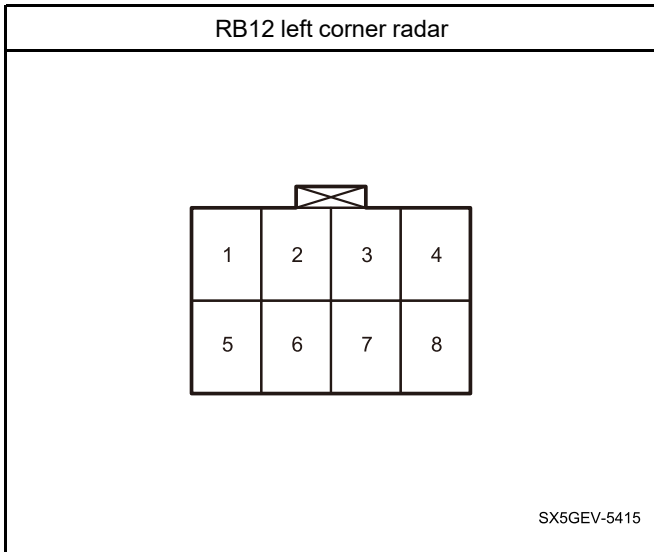


1	GND	2	Power supply
3	Brake light +	4	Right turn signal +
5	Rear right turn signal light open-circuited feedback signal	6	Sequential turn signal

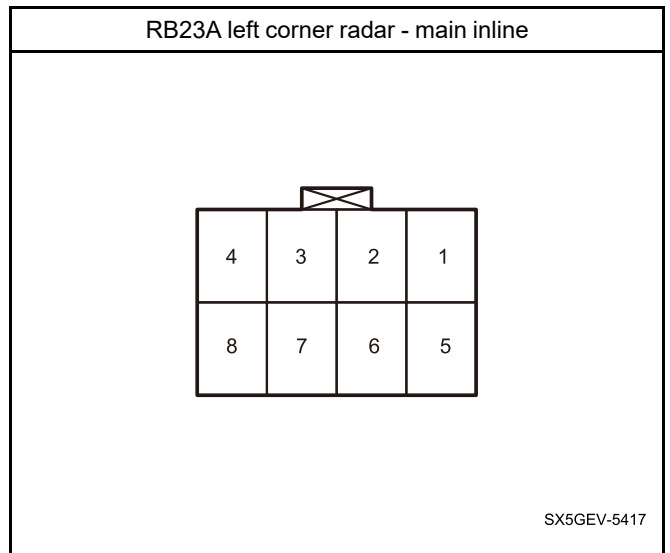
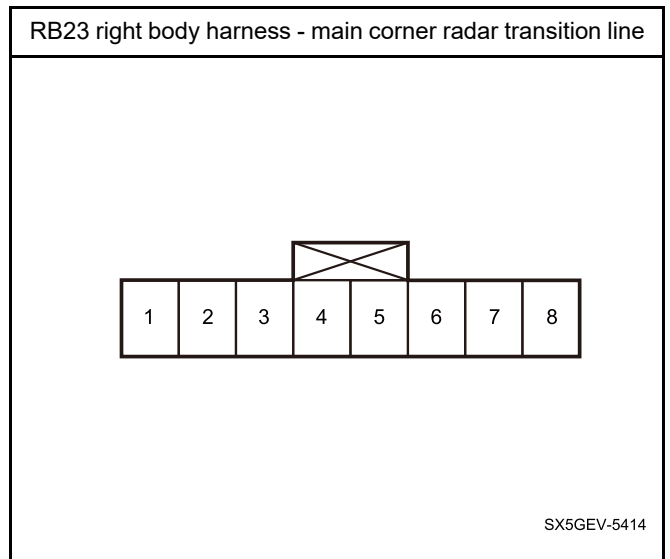
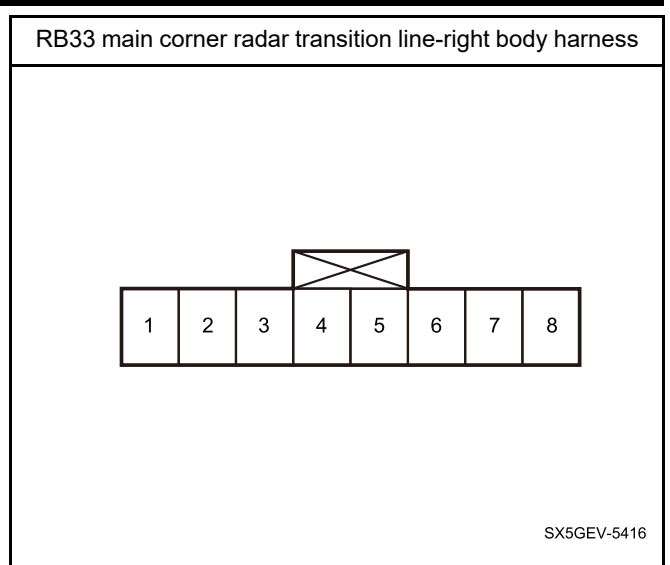




1	CAN H	2	CAN L
3	Main and auxiliary radar communication CAN H	4	Main and auxiliary radar communication CAN L
5	-	6	-
7	GND	8	Power supply

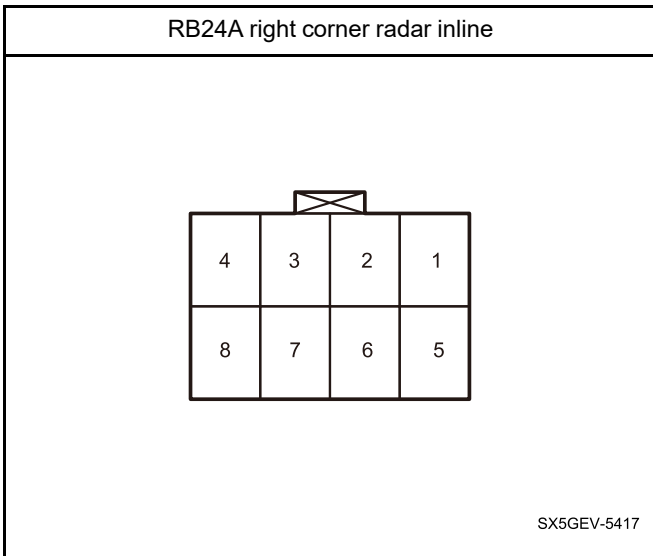
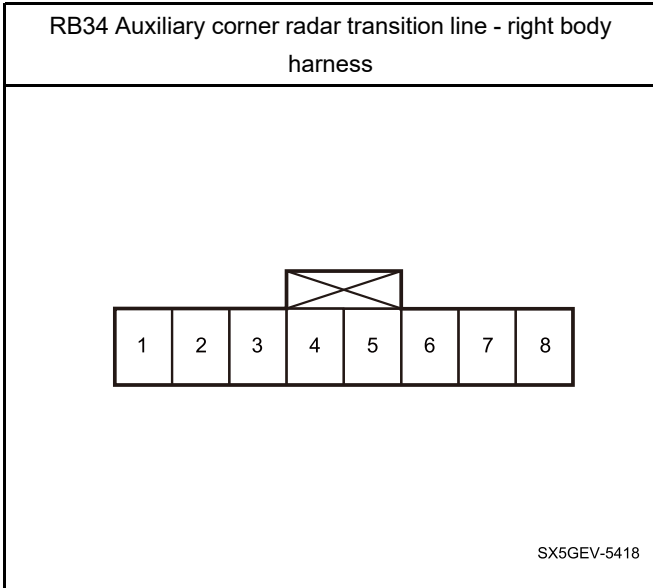


1	Communication between main and auxiliary radars CAN low	2	Power supply
3	GND	4	CAN L
5	Communication between main and auxiliary radars CAN high	6	Main radar power supply output
7	Main radar output GND	8	CAN H

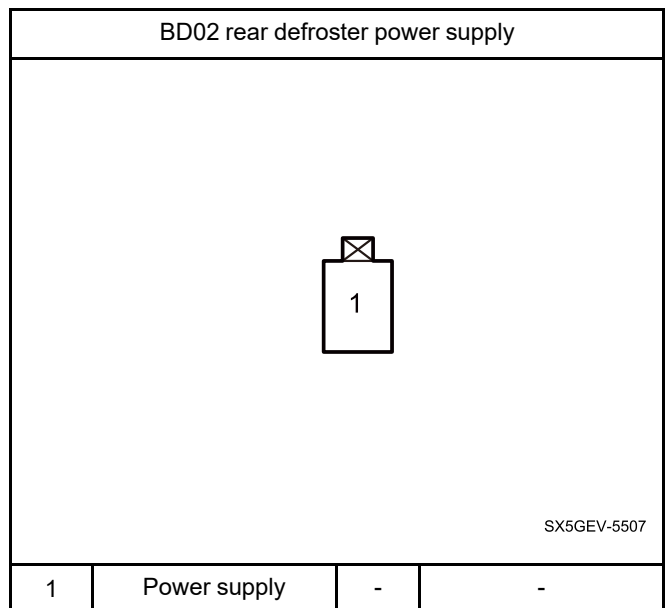
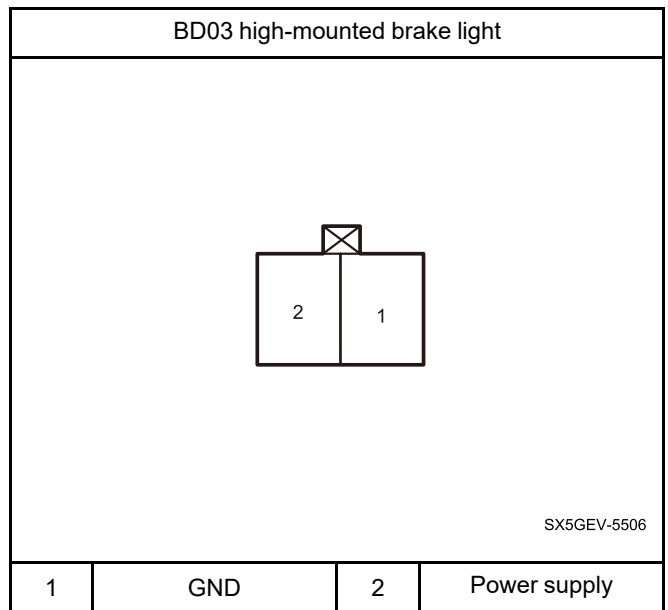
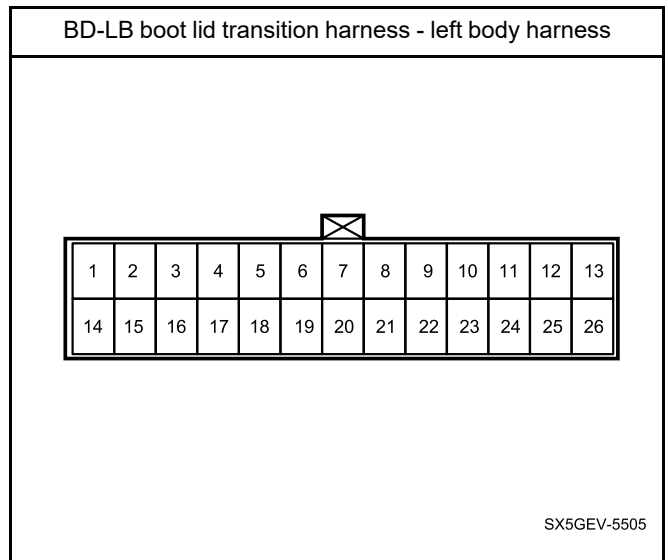


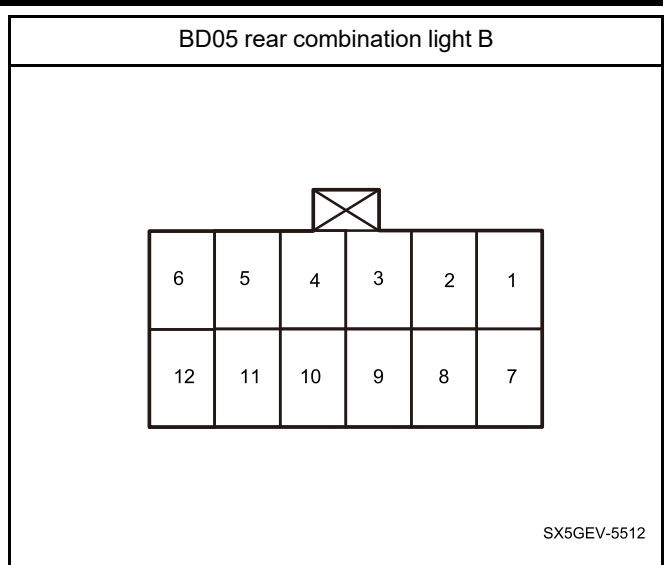
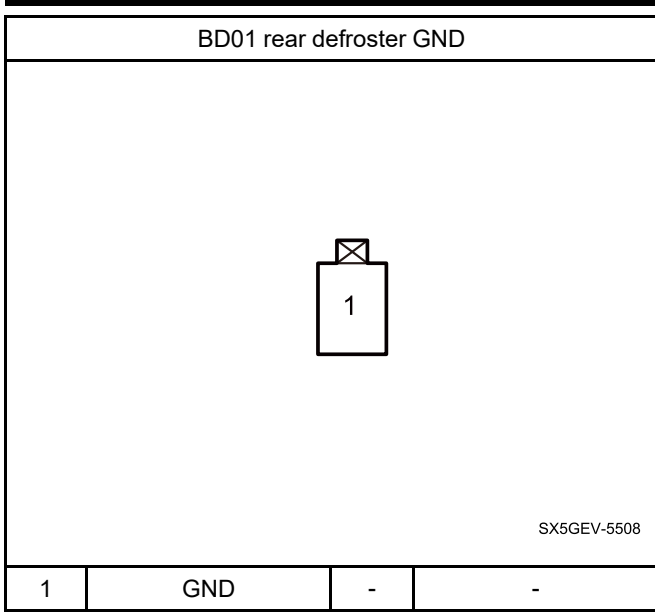
1	Communication CAN-L	2	Power supply
3	GND	4	Safety CAN-L

5	Communication CAN-H	6	Power supply
7	GND	8	Safety CAN-H

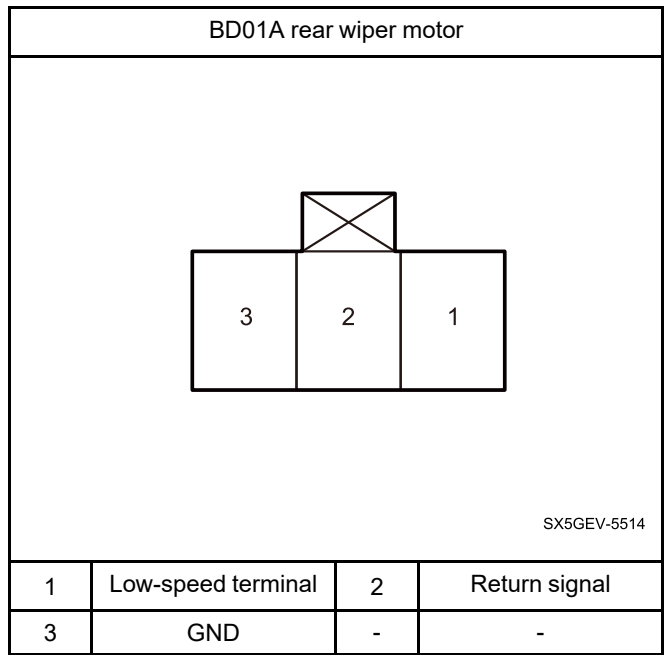
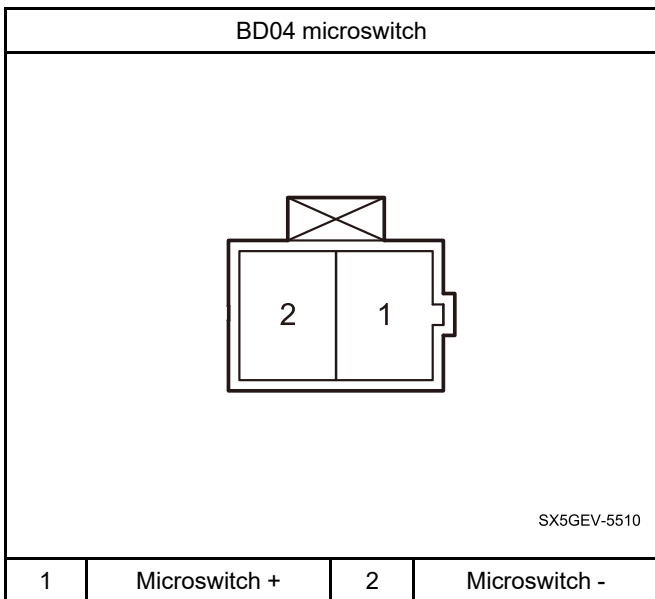
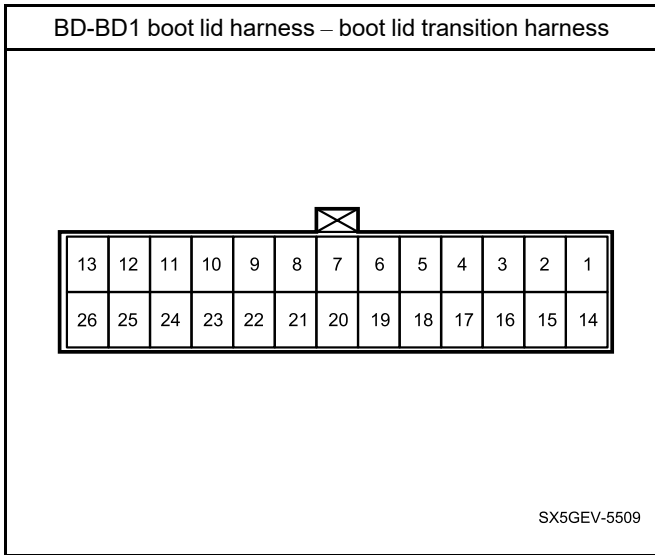


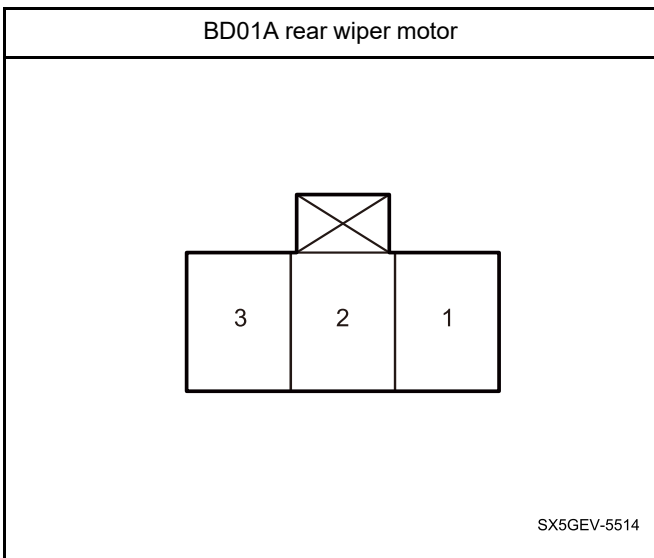
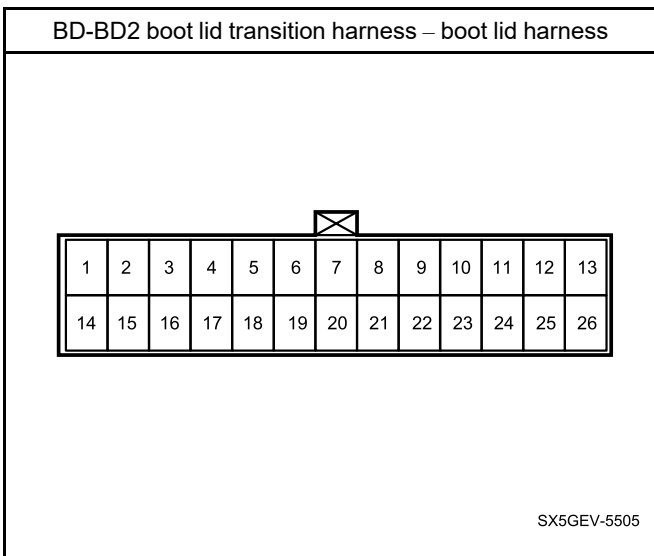
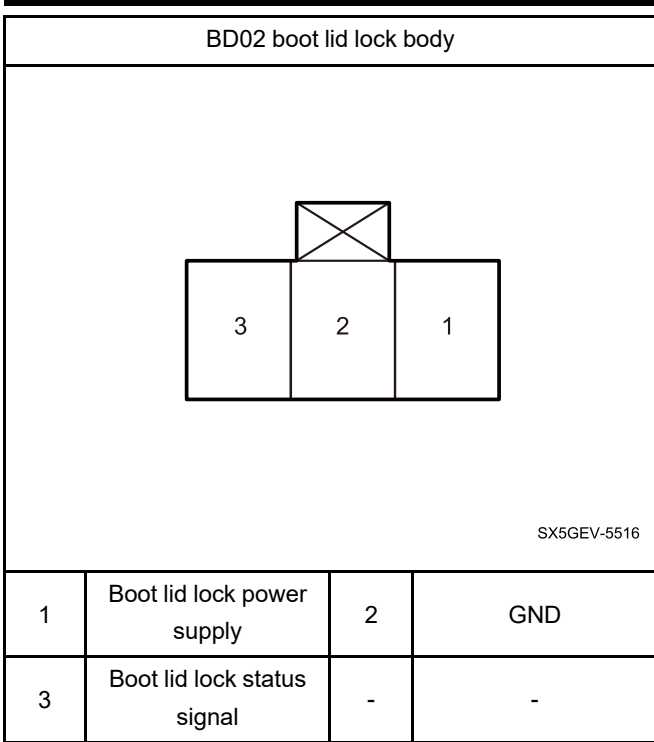
1	-	2	Power supply
3	GND	4	Communication CAN-L
5	-	6	Right blind spot monitoring light
7	Left blind spot monitoring light	8	Communication CAN-H



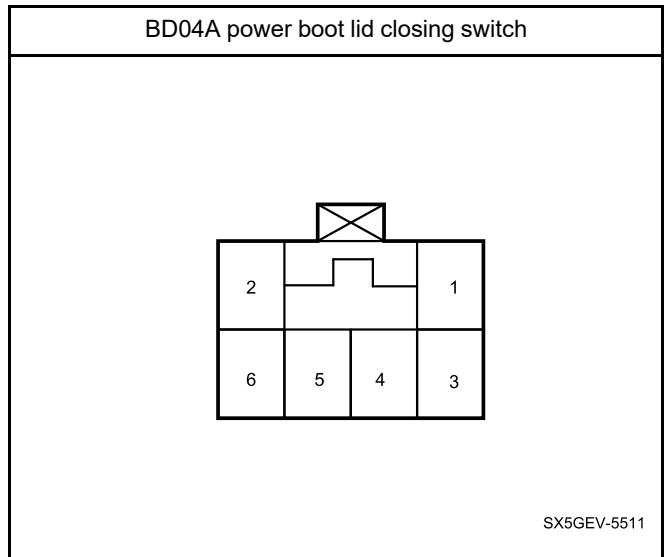
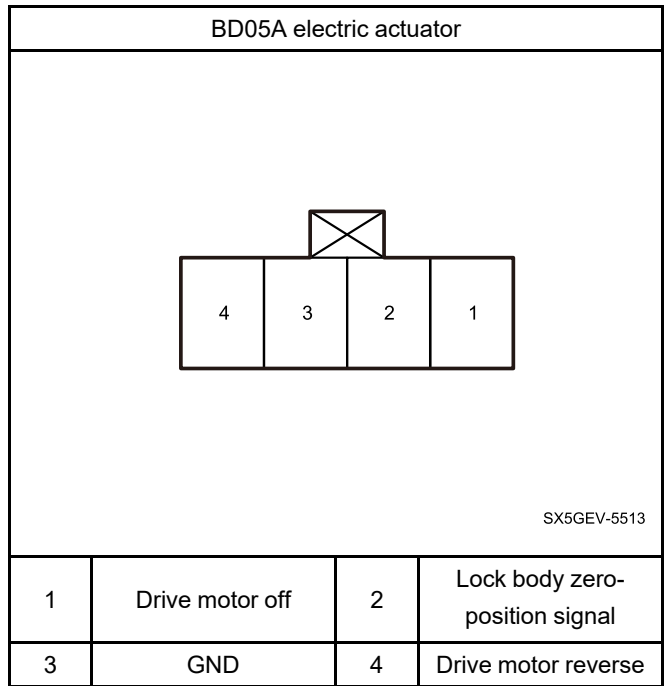


1	GND	2	Position light +
3	Reversing light +	4	Left turn signal power supply
5	Right turn signal power supply	6	Rear left turn signal light open-circuited feedback signal
7	Rear right turn signal light open-circuited feedback signal	8	Left sequential turn signal
9	Right sequential turn signal	10	Brake light +
11	-	12	-





1	Low-speed terminal	2	Return signal
3	GND	-	-



1	GND	2	Backlight GND
3	Boot lid closing switch output	4	-
5	-	6	Backlight power supply

BD03A Boot lid lock body

SX5GEV-5515

1	Boot lid lock motor power supply	2	GND
3	Lock body full-lock signal	4	Lock body partial locking signal

EP01 left caliper harness – left body harness

SX5GEV-5518

EP02 rear left wheel speed sensor

SX5GEV-5519

1	Positive terminal	2	Negative terminal
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EP03 left caliper motor

SX5GEV-5517

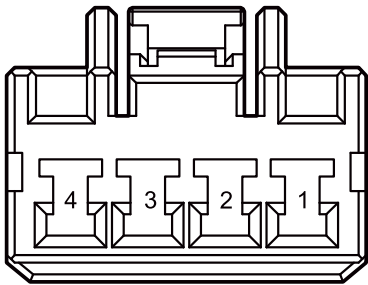
1	Left caliper motor +	2	Left caliper motor -
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EP06 right caliper motor

SX5GEV-5520

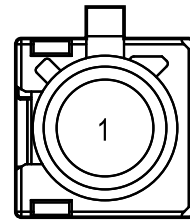
1	Right caliper motor +	2	Right caliper motor -
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EP04 right caliper harness – right body harness



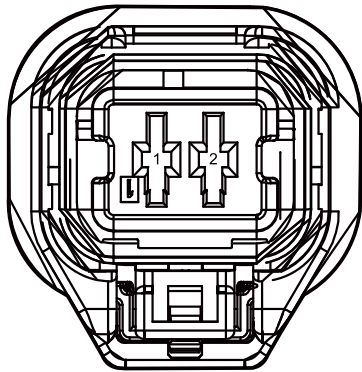
SX5GEV-5521

PB-RB2 rear bumper harness - right body harness 1



SX5GEV-5580

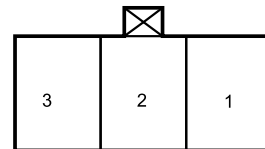
EP05 rear right wheel speed sensor



SX5GEV-5522

1	Positive terminal	2	Negative terminal
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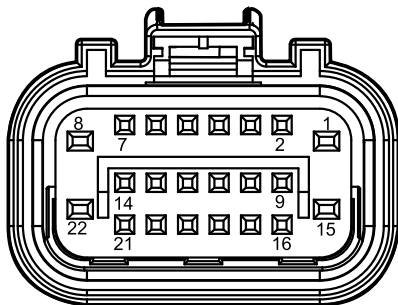
PB09 rear right middle radar probe



SX5GEV-5581

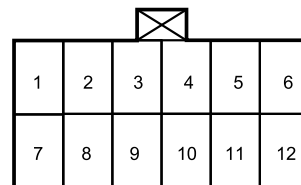
1	Power supply	2	Signal
3	GND	-	-

PB-RB rear bumper harness – right body harness 1



SX5GEV-5579

PB13 main radar probe

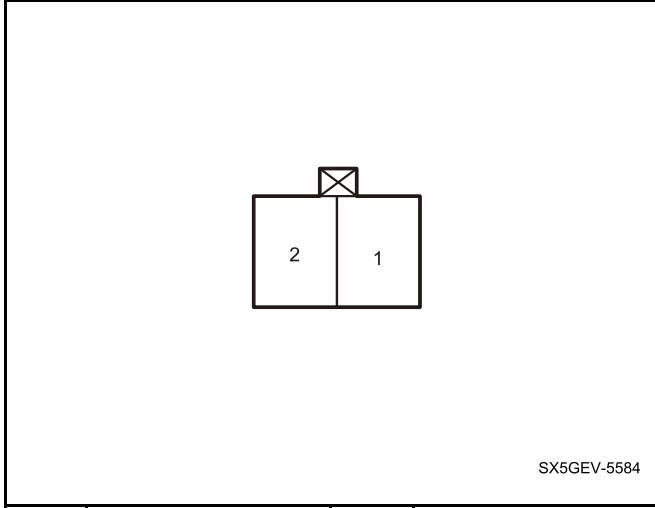


SX5GEV-5582

1	GND	2	-
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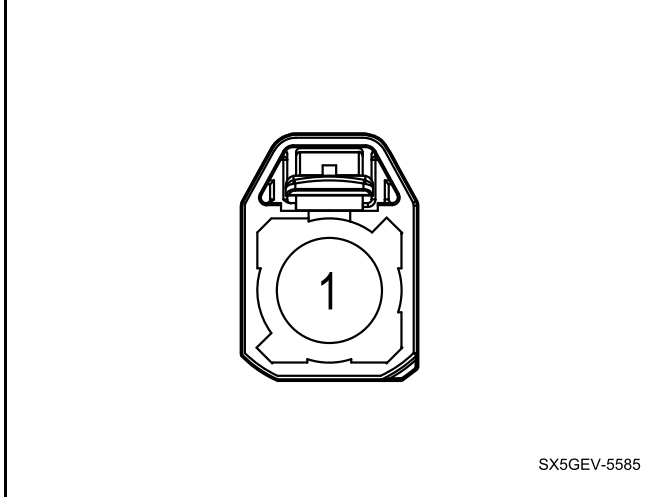
3	-	4	Rear middle left radar signal
5	Radar power supply	6	-
7	Power supply	8	-
9	Safety CAN-H	10	Safety CAN-L
11	Rear left radar signal	12	Rear middle right radar signal

PB16 Right license plate light



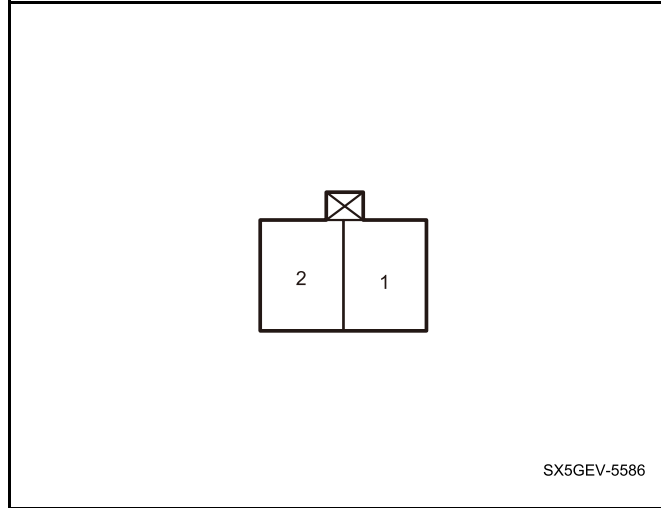
1	Power supply	2	GND
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PB08 rear camera



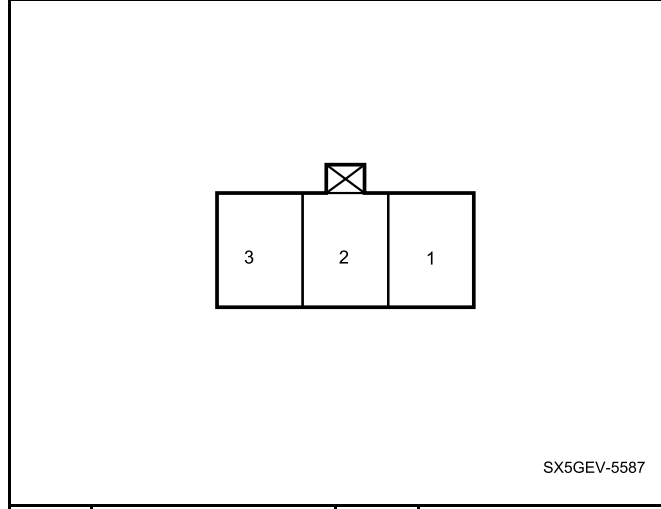
1	-	-	-
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PB07 left license plate light



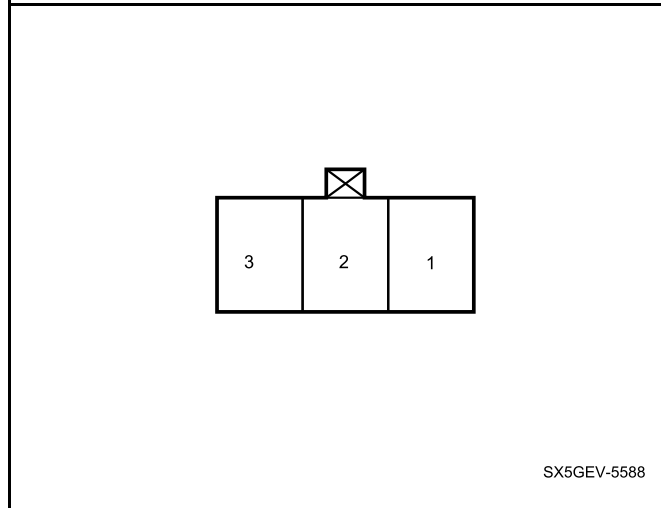
1	Power supply	2	GND
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PB06 rear left middle radar probe



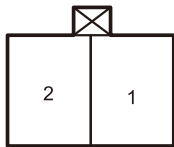
1	Power supply	2	Signal
3	GND	-	-

PB03 rear left radar probe



1	Power supply	2	Signal
3	GND	-	-

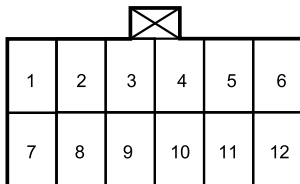
PB04 rear fog light



SX5GEV-5589

1	GND	2	Power supply
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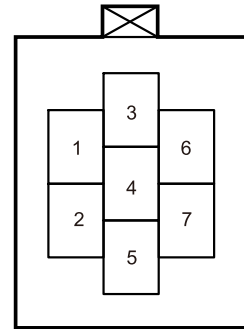
PB13 main radar probe



SX5GEV-5583

1	GND	2	-
3	-	4	Rear middle left radar signal
5	Radar power supply	6	-
7	Power supply	8	-
9	Safety CAN-H	10	Safety CAN-L
11	Rear left radar signal	12	Rear middle right radar signal

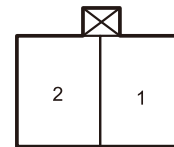
PB08A rear camera



SX5GEV-5590

1	-/Power supply	2	-
3	-	4	-
5	-	6	GND/-
7	Signal/-	-	-

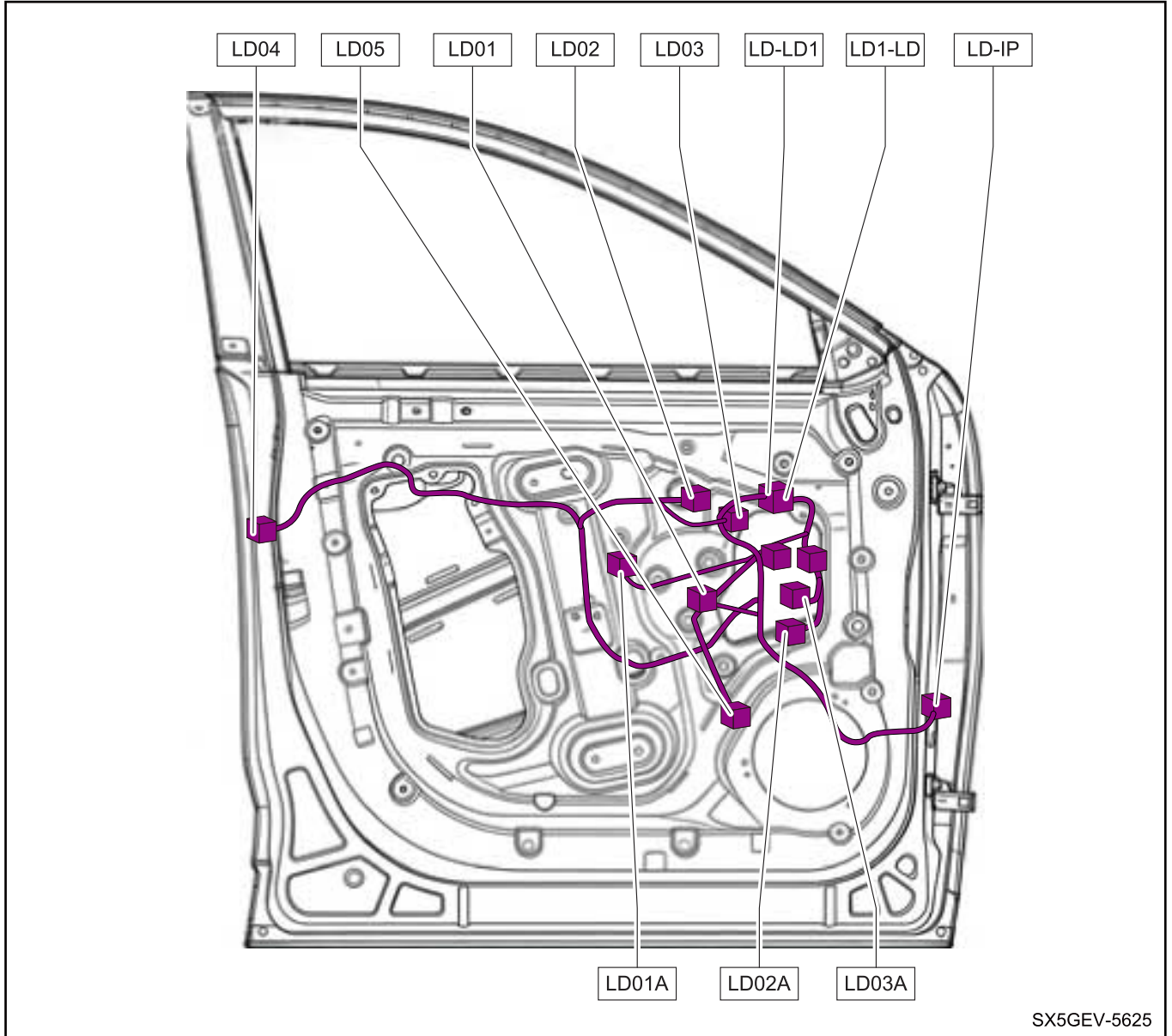
RB05 120Ω terminal resistor



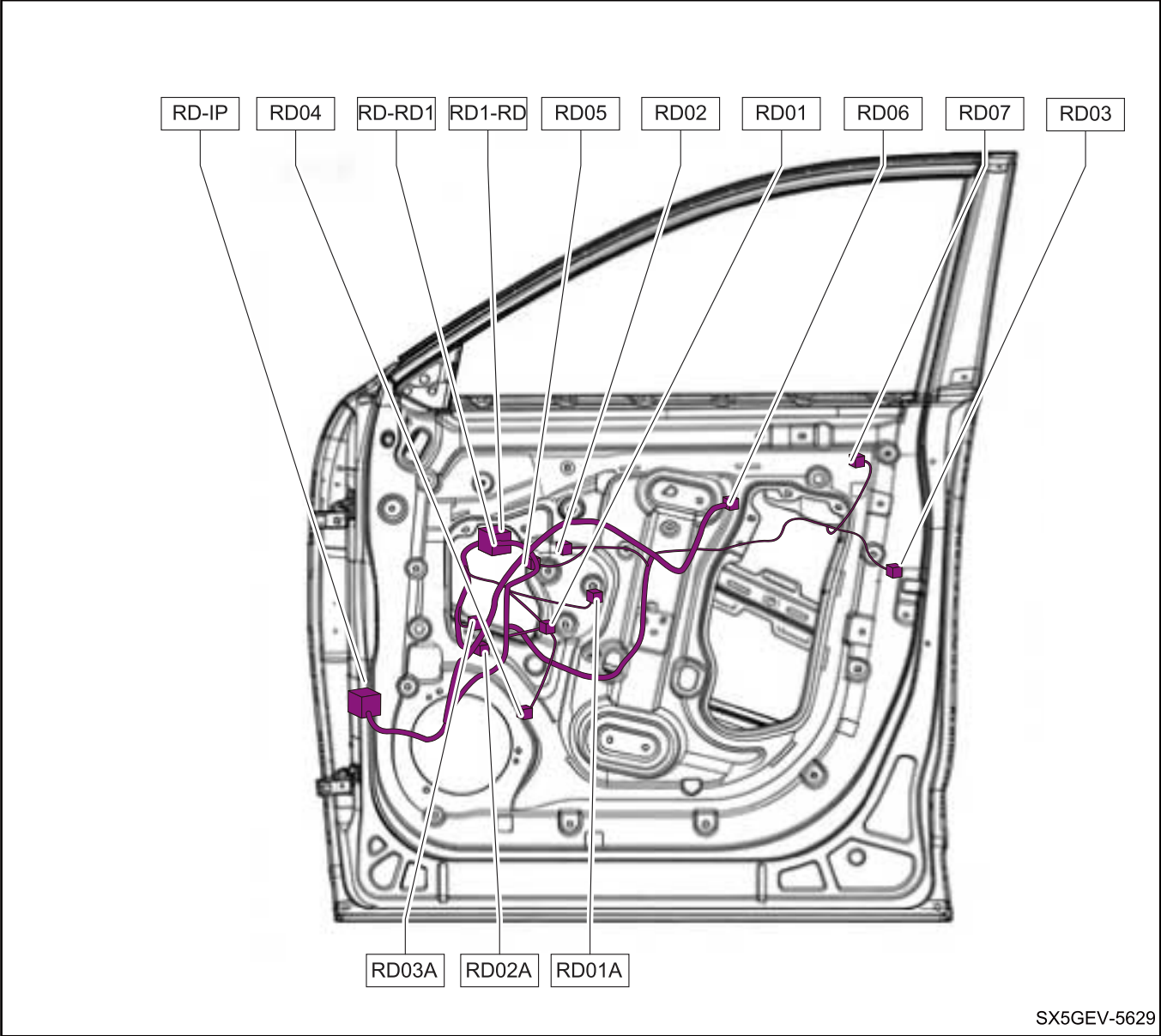
SX5GEV-5406

1	Safety CAN-H	2	Safety CAN-L
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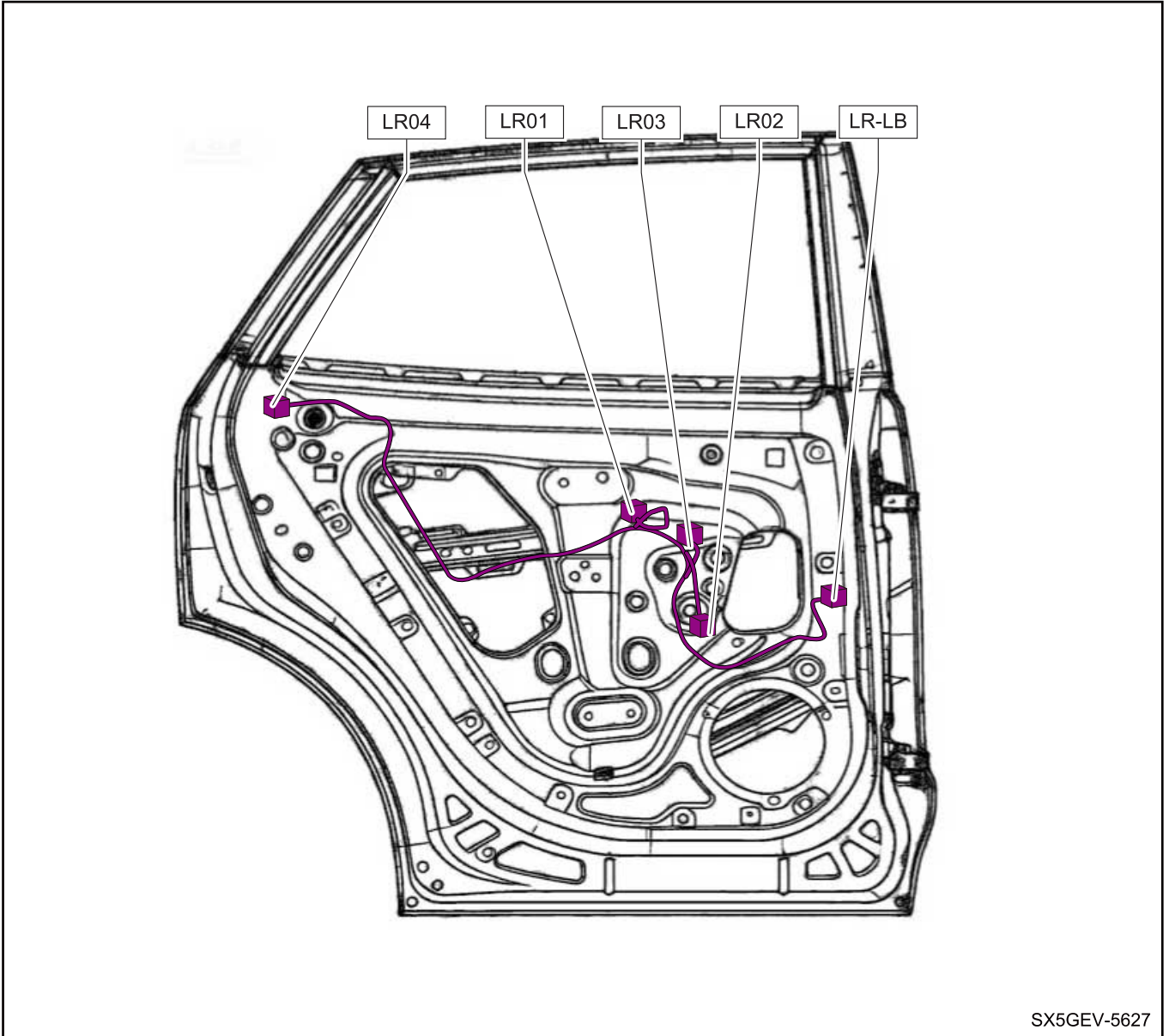
Layout of Front Left Door Harness



Layout of Front Right Door Harness

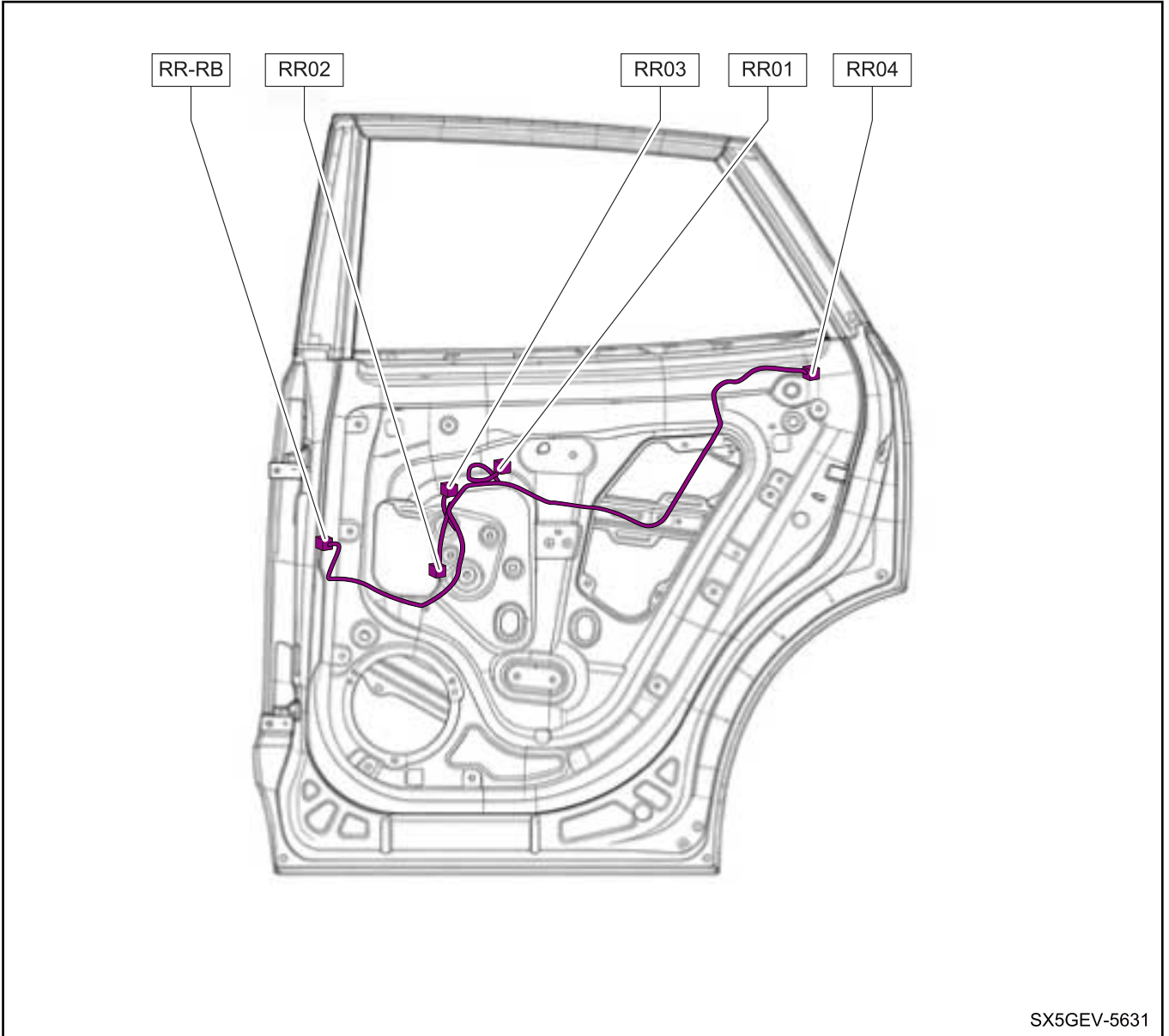


Layout of Rear Left Door Harness



SX5GEV-5627

Layout of Rear Right Door Harness



SX5GEV-5631

List of Door Harness Connectors

Harness connector	Name	Harness connector	Name
LR-LB	Rear left door harness – left body harness	RD-IP	Front right door harness – instrument panel harness
LR03	Rear left window regulator motor	RD06	Front right door handle sensor
LR02	Rear left door speaker	RD-RD1	Front right door harness – front right door transition harness
LR01	Rear left window regulator switch	RD04	Front right door speaker
LR04	Rear left door lock motor	RD05	Rearview mirror 360
RR-RB	Rear right door harness – right body harness	RD02	Right rearview mirror motor
RR03	Rear right window regulator motor	RD01	Front right window regulator motor
RR01	Rear right window regulator switch	RD03	Front right door lock motor
RR04	Rear right door lock motor	RD07	Door handle antenna
RR02	Rear right door speaker	LD01A	Front left window regulator switch
LD-IP	Front left door harness – instrument panel harness	LD02A	Left door control module A
LD-LD1	Front left door harness – front left door transition harness	LD03A	Left door control module B
LD05	Front left door speaker	LD1-LD	Front left door transition harness – front left door harness
LD03	Rearview mirror 360	RD1-RD	Front right door transition harness – front right door harness
LD02	Left rearview mirror motor	RD02A	Right door control module A
LD01	Front left window regulator motor	RD03A	Right door control module B
LD04	Front left door lock motor	RD01A	Front right window regulator switch

Definition of Door Harness Terminal

LR-LB rear left door harness – left body harness

SX5GEV-5495

LR03 rear left window regulator motor

SX5GEV-5496

1	Raising of rear left window	2	Rear left window down
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LR02 rear left door speaker

SX5GEV-5497

1	Signal +	2	Signal -
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LR01 rear left window regulator switch

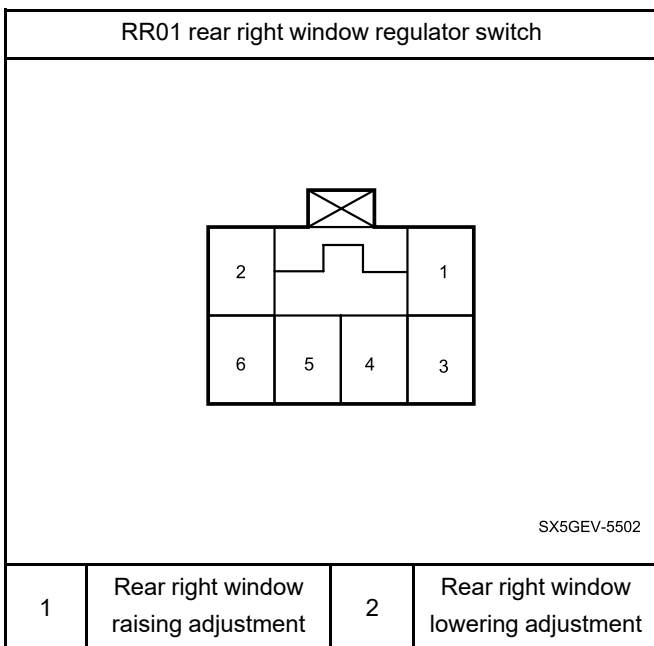
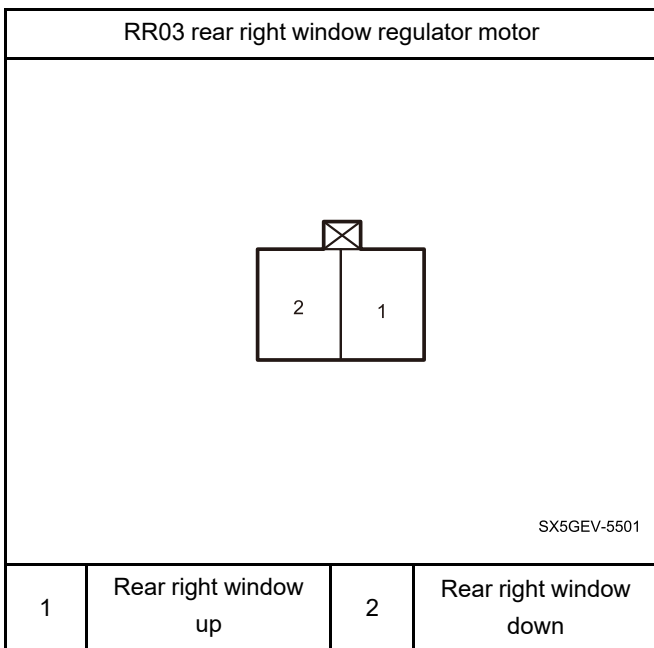
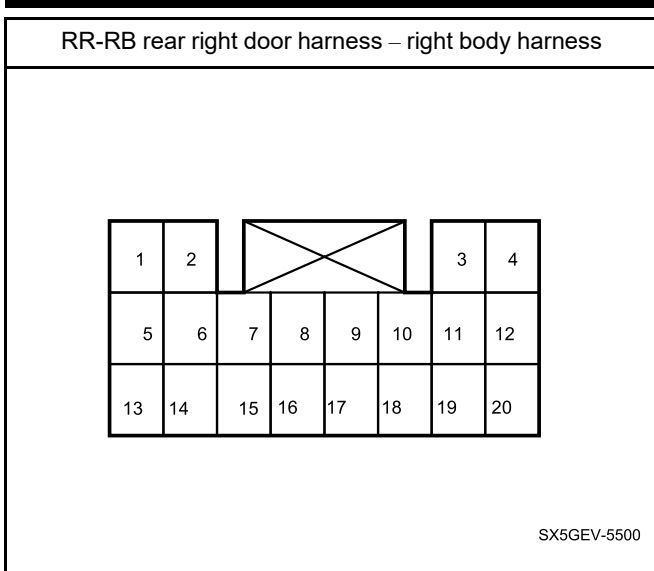
SX5GEV-5498

1	Up adjustment of rear left window	2	Lowering adjustment of rear left window
3	Backlight power supply	4	Lifting lock signal
5	Backlight GND	6	-

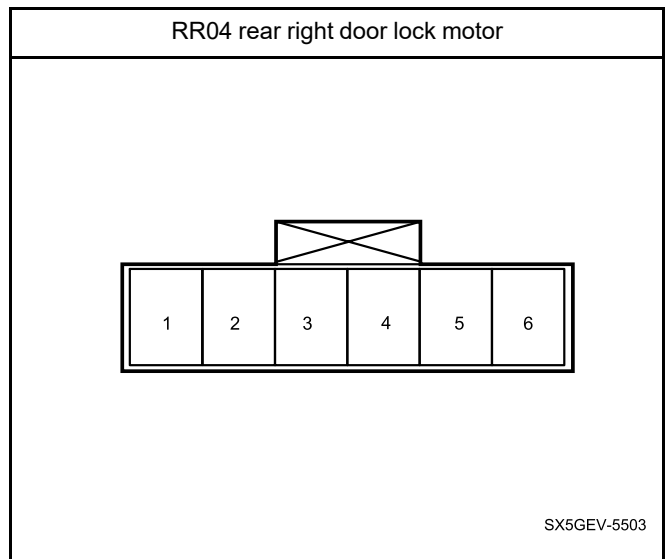
LR04 rear left door lock motor

SX5GEV-5499

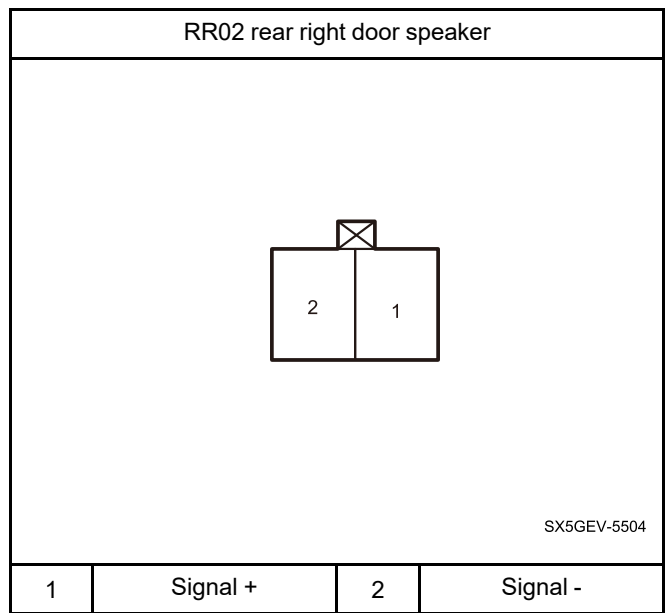
1	-	2	GND
3	Unlocking signal	4	Locking signal
5	-	6	Rear left door status signal

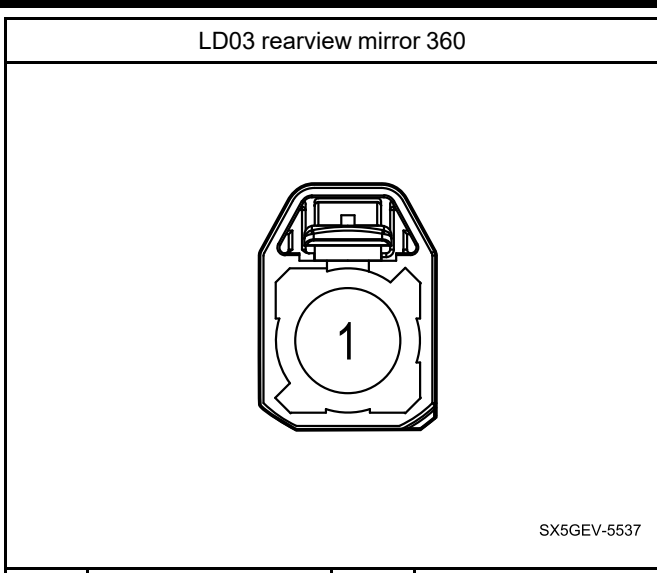
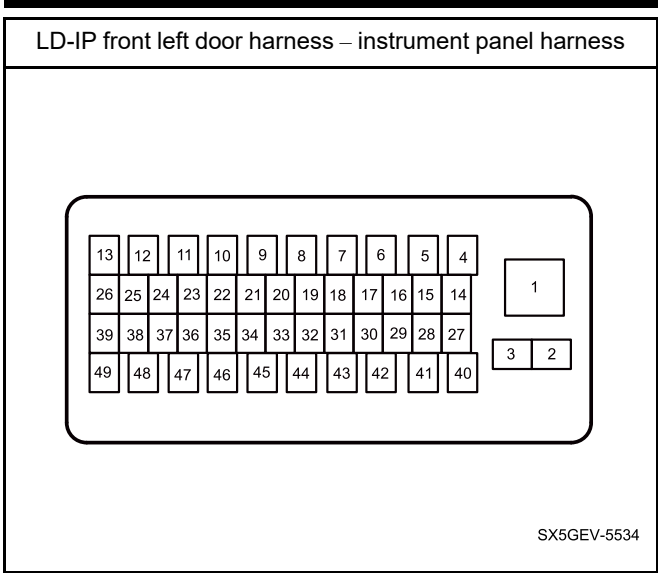


3	Backlight power supply	4	Lifting lock signal
5	Backlight GND	6	-

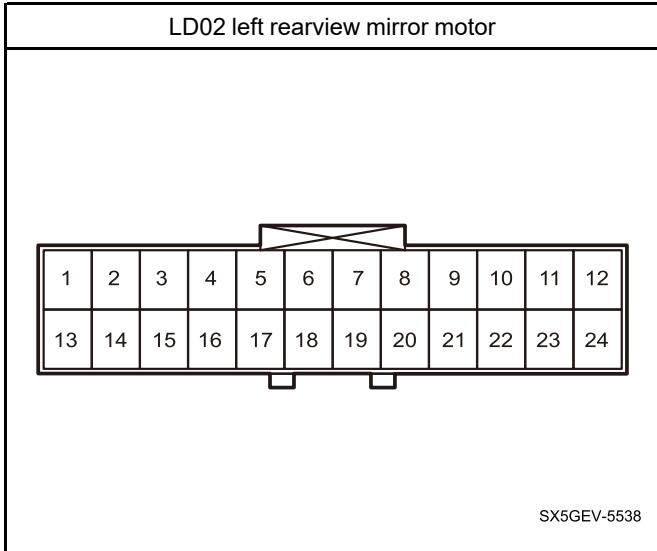
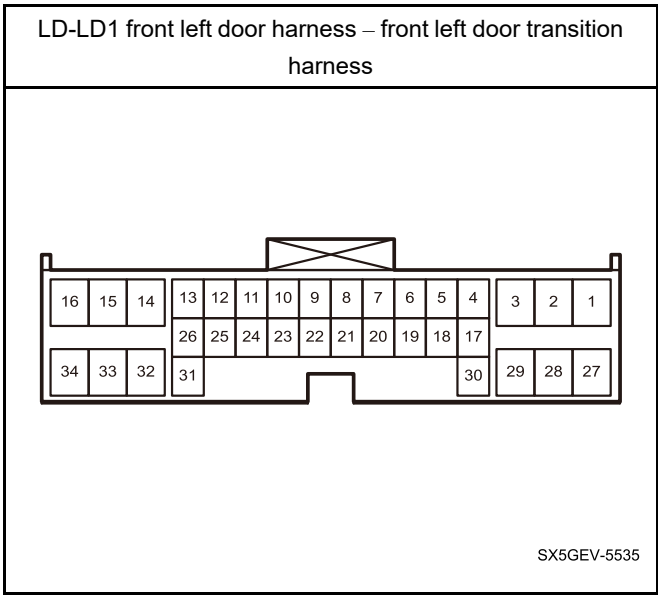


1	Rear right door status signal	2	-
3	Unlocking signal	4	Locking signal
5	GND	6	-

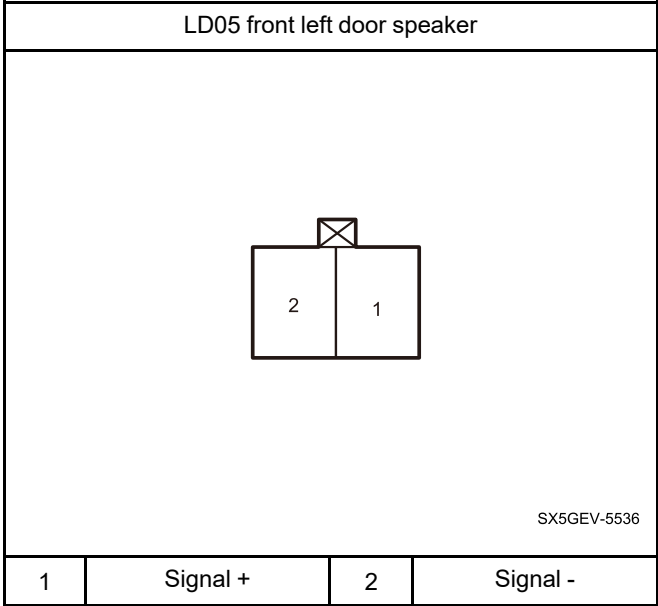




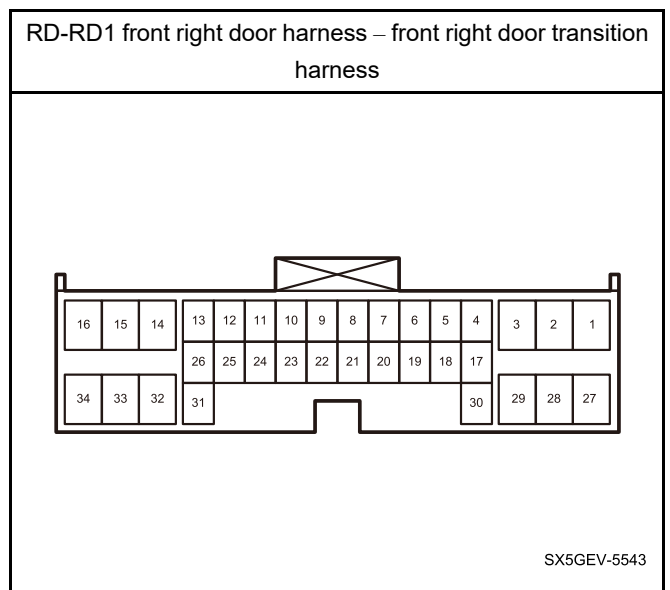
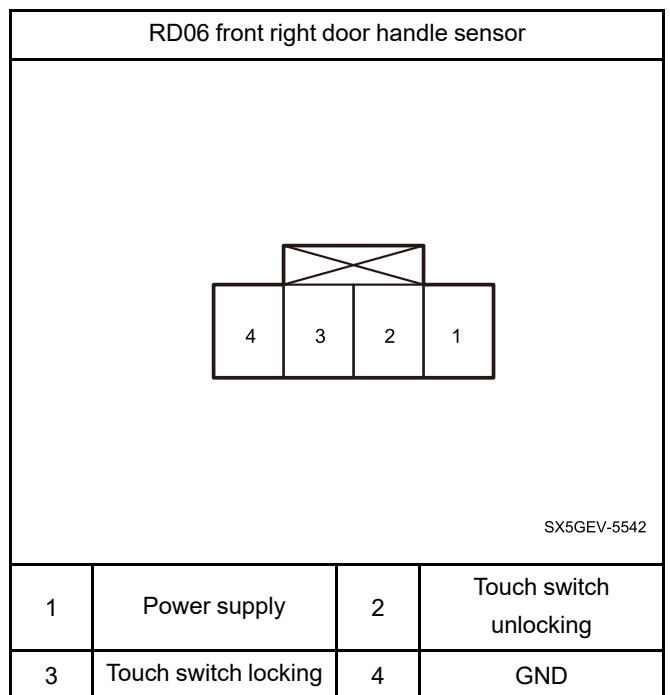
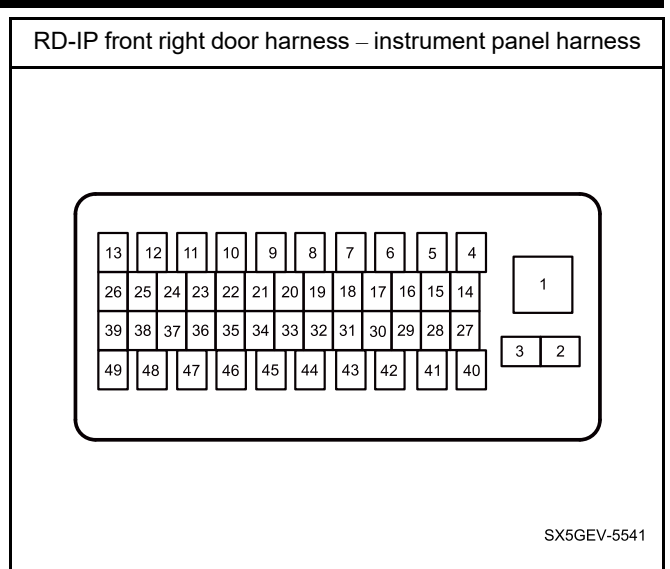
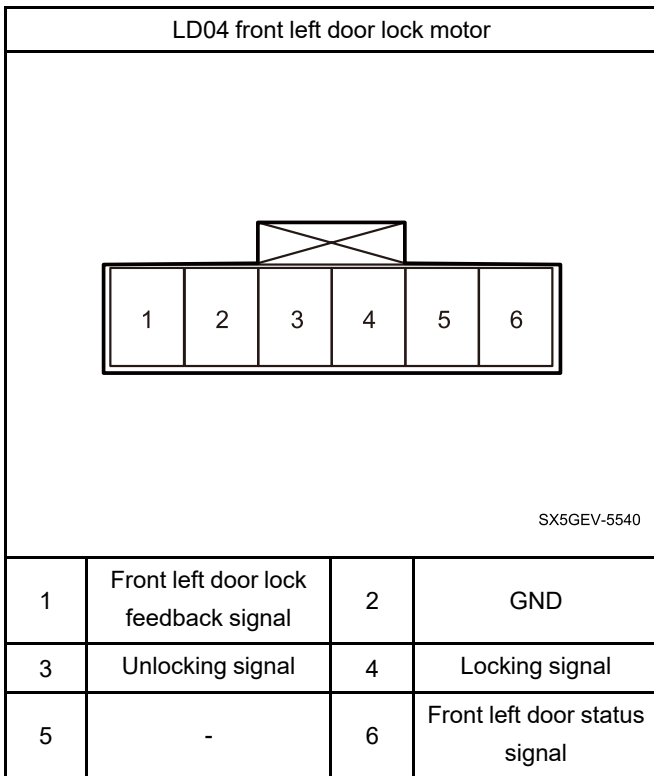
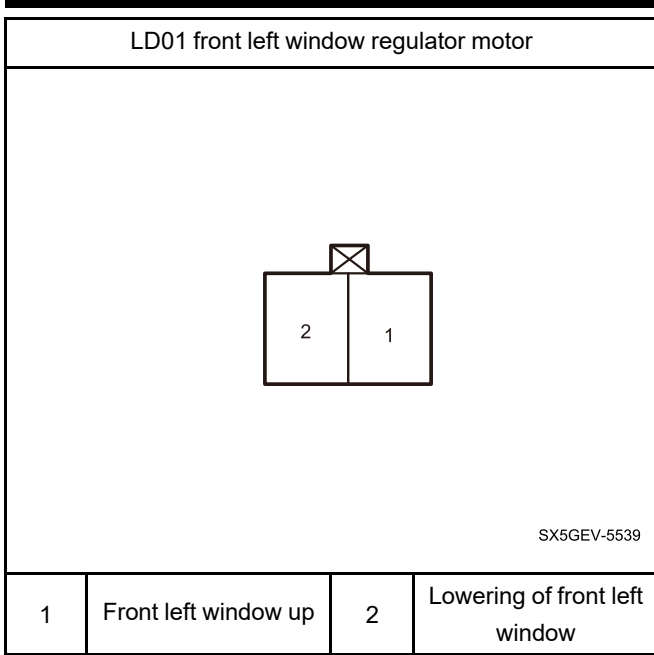
1	Video signal	-	-
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1	Mirror adjustment left and right	2	Mirror adjustment up and down
3	Mirror adjustment common terminal	4	Rearview mirror heating +
5	Heating/turn signal -	6	Left turn signal +
7	-	8	-
9	-	10	-
11	Left blind spot monitoring light	12	GND
13	Electric folding	14	Electric folding and resetting
15	-	16	-
17	-	18	-
19	-	20	-
21	-	22	-
23	-	24	-



1	Signal +	2	Signal -
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RD04 front right door speaker

SX5GEV-5544

1	Signal +	2	Signal -
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RD05 rearview mirror 360

SX5GEV-5545

1	-	-	-
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RD02 right rearview mirror motor

SX5GEV-5546

1	Mirror adjustment left and right	2	Mirror adjustment up and down
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3	Mirror adjustment common terminal	4	Rearview mirror heating +
5	Heating/turn signal -	6	Right turn signal +
7	-	8	-
9	-	10	-
11	Right blind spot monitoring light	12	GND
13	Electric folding	14	Electric folding and resetting
15	-	16	-
17	-	18	-
19	-	20	-
21	-	22	-
23	-	24	-

RD01 front right window regulator motor

SX5GEV-5547

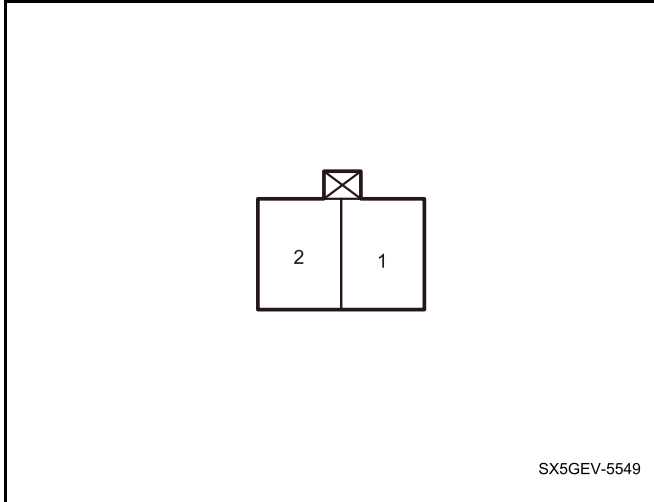
1	Front right window up	2	Front right window down
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RD03 front right door lock motor

SX5GEV-5548

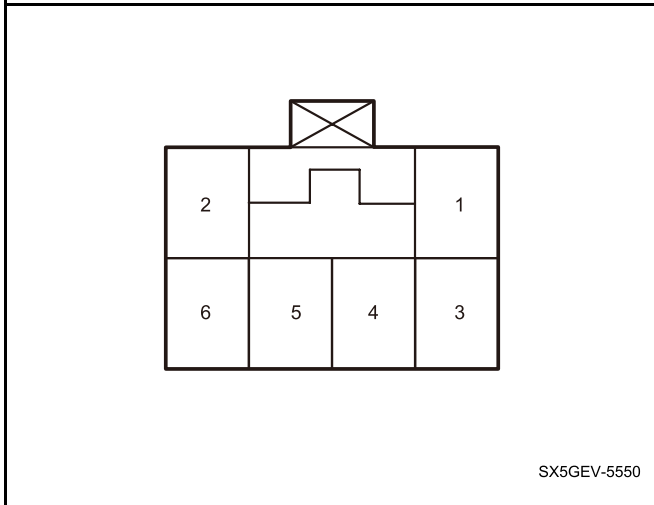
1	Front right door status signal	2	-
3	Unlocking signal	4	Locking signal
5	GND	6	Front right door lock feedback signal

RD07 front right door handle antenna



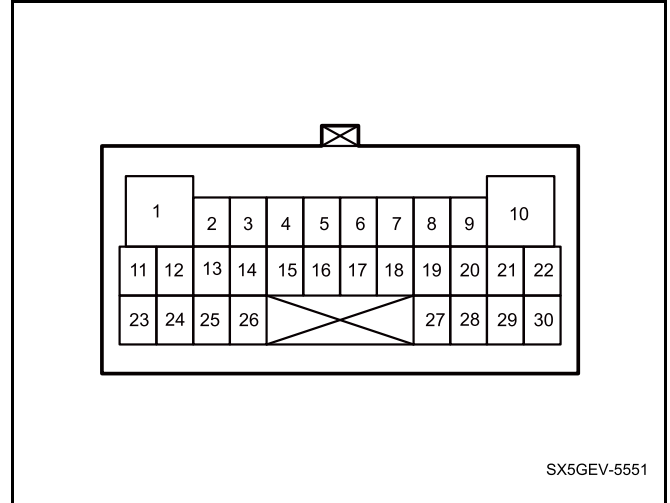
1	Driver seat side antenna +	2	Driver seat side antenna -
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LD01A front left window regulator switch

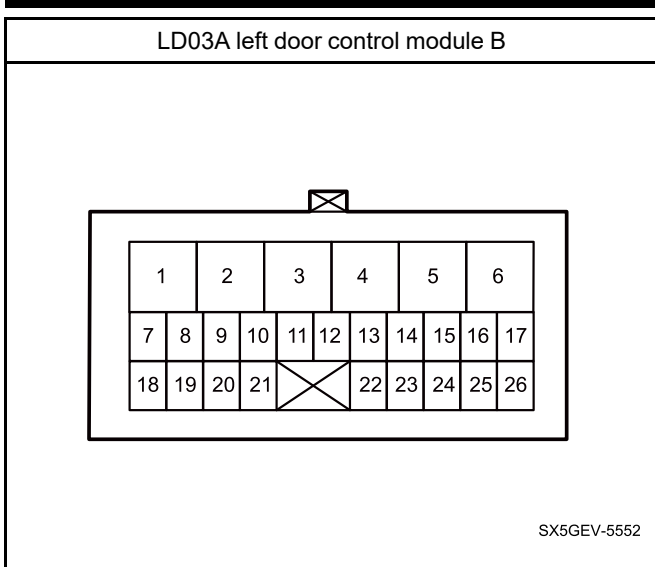


1	Raising adjustment of front right window	2	Lowering adjustment of front right window
3	Power supply	4	Lifting lock signal
5	Backlight GND	6	Central door lock indicator signal

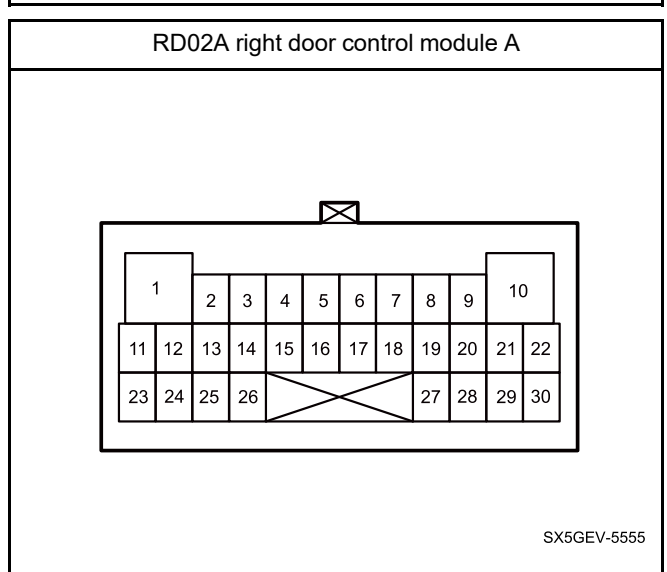
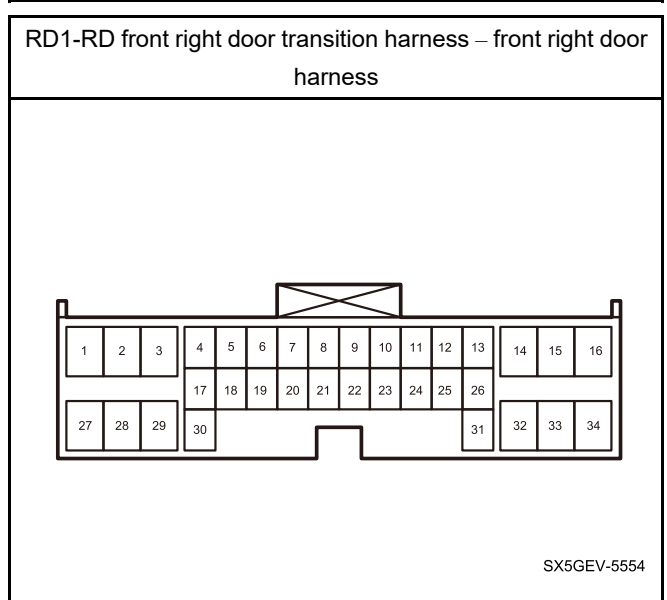
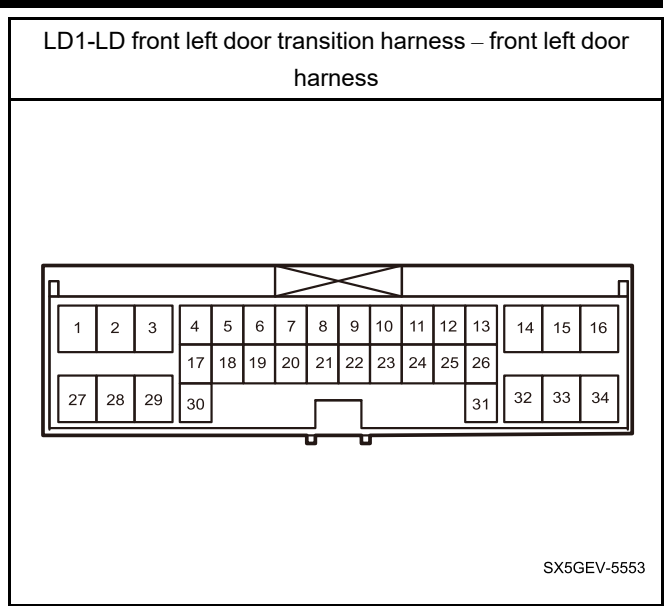
LD02A left door control module A



1	Rearview mirror folding/adjustment output	2	Rearview mirror unfolding output
3	-	4	-
5	Rearview mirror defrosting power supply	6	-
7	-	8	Central door lock indicator signal
9	-	10	-
11	-	12	-
13	Rearview mirror memory power supply	14	-
15	-	16	-
17	Mirror adjustment left and right	18	Mirror adjustment up and down
19	Comfort CAN-L	20	IG power supply
21	LIN	22	-
23	-	24	-
25	-	26	-
27	Comfort CAN-H	28	-
29	-	30	Headlight height adjustment output



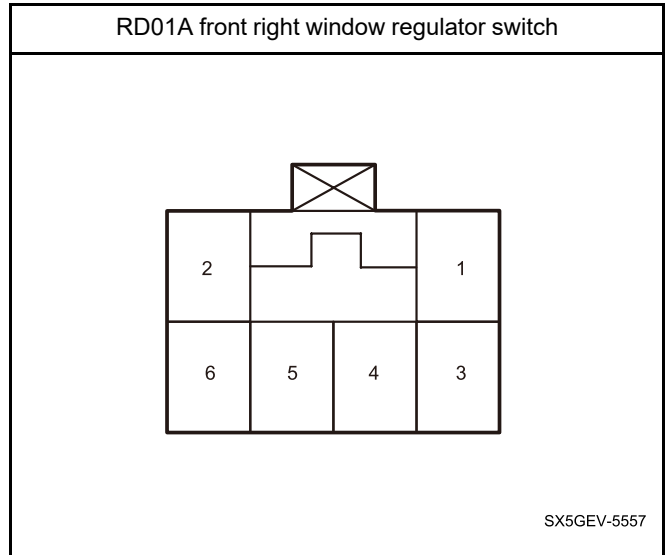
1	Rear left window down	2	Raising of rear left window
3	Lowering of front left window	4	Front left window up
5	GND	6	Power supply
7	-	8	-
9	-	10	-
11	-	12	-
13	Mirror up/down adjustment switch signal	14	-
15	-	16	-
17	-	18	Mirror left/right adjustment switch signal
19	-	20	-
21	-	22	Analog GND
23	Rear left window raising adjustment switch signal	24	Rear left window lowering adjustment switch signal
25	-	26	Left/right rearview mirror selector switch signal



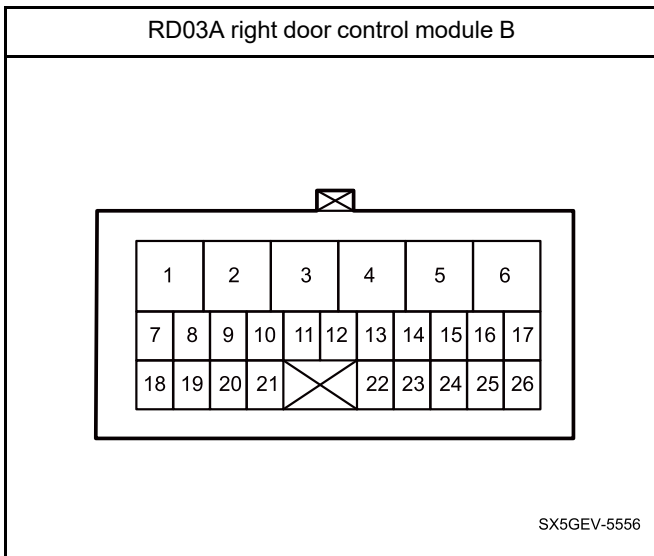
1	Rearview mirror folding/adjustment output	2	Rearview mirror unfolding output
---	---	---	----------------------------------

3	-	4	-
5	Rearview mirror heating output	6	-
7	-	8	-
9	-	10	-
11	-	12	-
13	-	14	-
15	-	16	-
17	Mirror adjustment left and right	18	Mirror adjustment up and down
19	Comfort CAN-L	20	IG power supply
21	LIN	22	-
23	-	24	-
25	-	26	-
27	Comfort CAN-H	28	-
29	-	30	-

21	-	22	-
23	Rear right window raising adjustment input	24	Rear right window lowering adjustment input
25	-	26	-

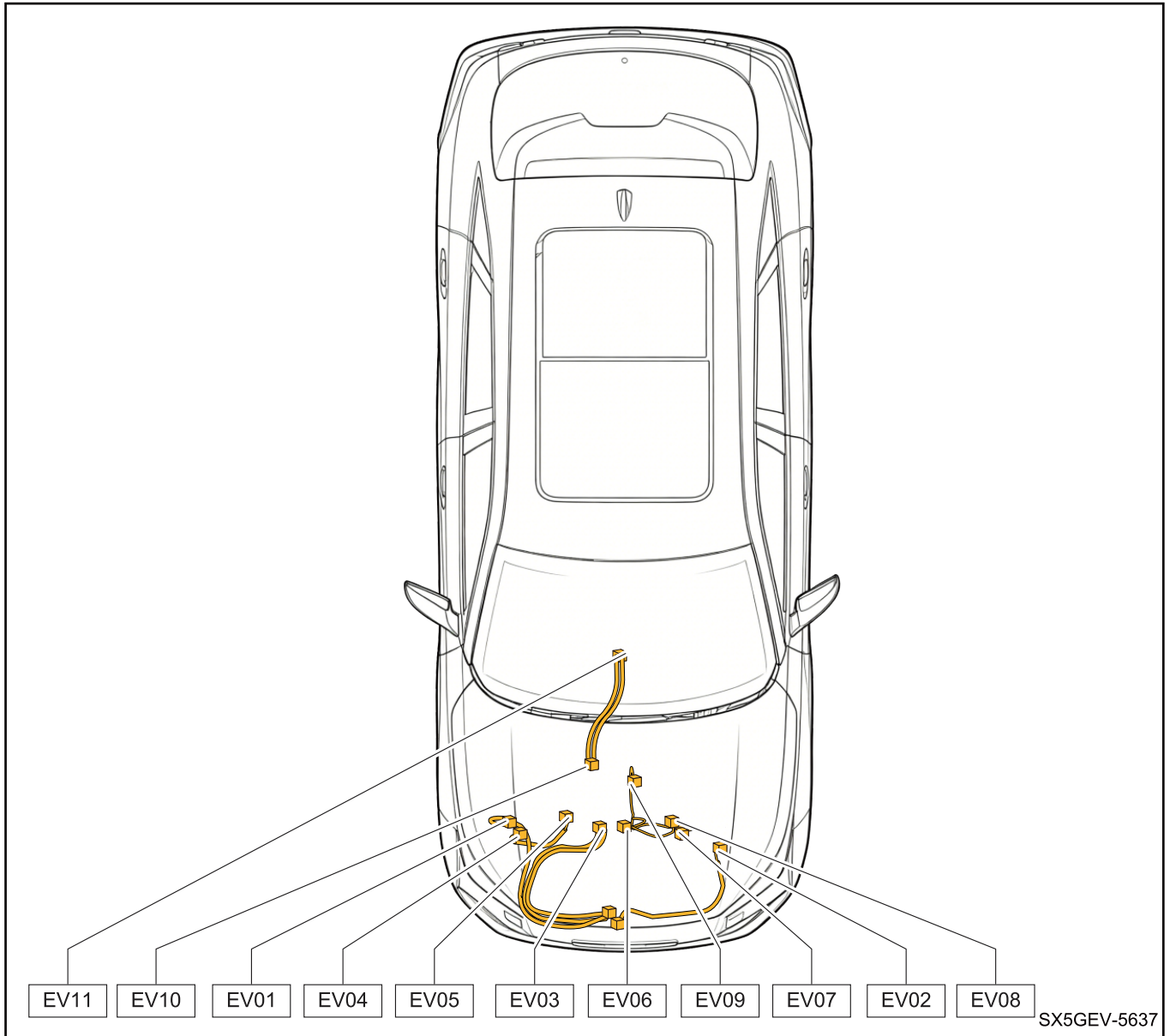


1	Backlight GND	2	Power supply
3	LIN	4	Lifting lock signal
5	Backlight GND power supply	6	Central door lock indicator signal



1	Rear right window down	2	Rear right window up
3	Front right window down	4	Front right window up
5	GND	6	Power supply
7	-	8	-
9	-	10	-
11	-	12	-
13	Front right window up input	14	-
15	-	16	-
17	-	18	Front right window down input
19	-	20	-

Layout of High-voltage Harnesses

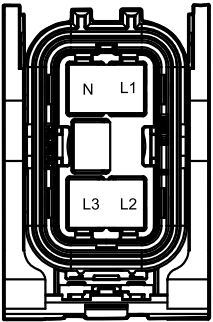


List of High-voltage Harness Connectors

Harness connector	Name	Harness connector	Name
EV01	Two-in-one combination module	EV06	PDU
EV02	Charging harness - engine compartment harness	EV07	Electric compressor assembly
EV03	Power battery pack assembly	EV08	Water heater PTC assembly
EV04	Two-in-one combination module	EV09	PDU
EV05	PDU	EV10	PDU
EV11	Power battery pack assembly	EV12	GND

Definitions of high-voltage harness terminals

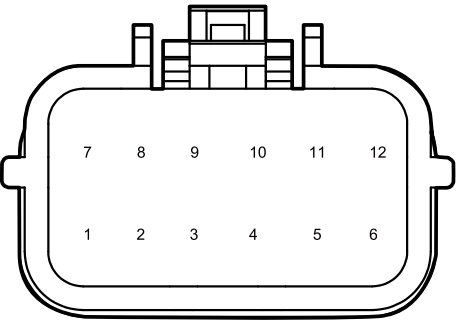
EV01 two-in-one combination module



SX5GEV-5523

1	L1	2	L2
3	N	4	-
5	L3	6	-

EV01 two-in-one combination module

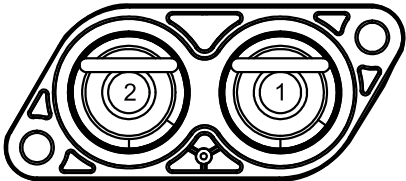


SX5GEV-5524

1	Lock power supply lock -	2	Lock status signal (checkback)
3	Slow charging L resistance signal	4	Fast charging temperature resistor common GND
5	CC	6	Fast charging DC + resistance signal
7	Slow charging temperature resistor common GND	8	Lock status signal

9	Slow charging N resistance signal	10	Lock power supply locking +
11	CP	12	Fast charging DC - resistance signal

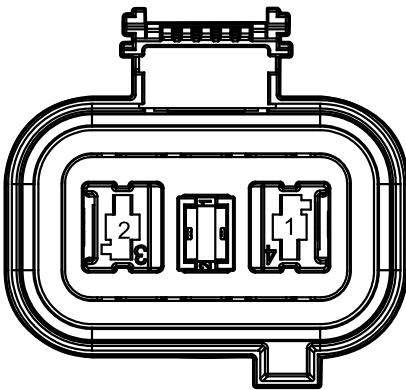
EV03 power battery pack assembly



SX5GEV-5525

1	DC+	2	DC-
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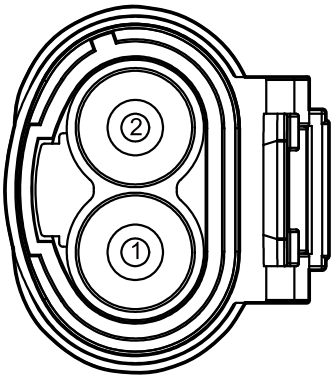
EV04 two-in-one combination module



SX5GEV-5526

1	Positive terminal	2	Negative terminal
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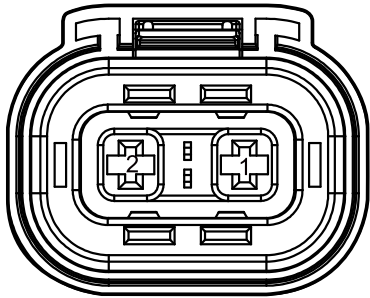
EV05 PDU



SX5GEV-5527

1	Positive terminal	2	Negative terminal
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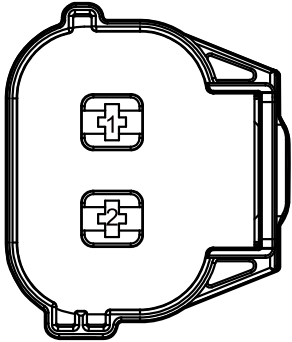
EV08 water heater PTC assembly



SX5GEV-5530

1	Positive terminal	2	Negative terminal
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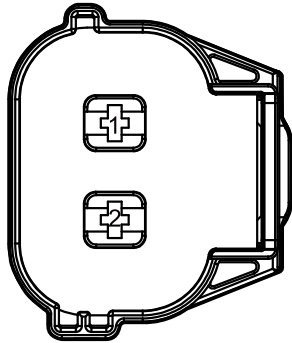
EV06 PDU



SX5GEV-5528

1	Positive terminal	2	Negative terminal
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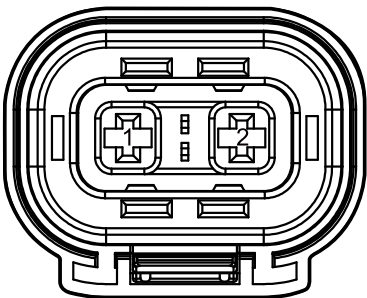
EV09 PDU



SX5GEV-5531

1	Positive terminal	2	Negative terminal
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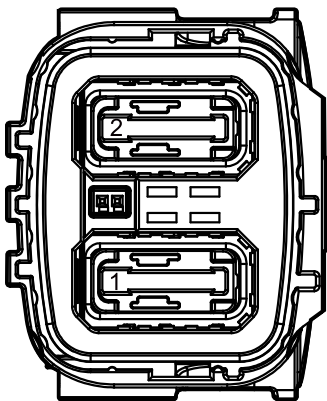
EV07 electric compressor assembly



SX5GEV-5529

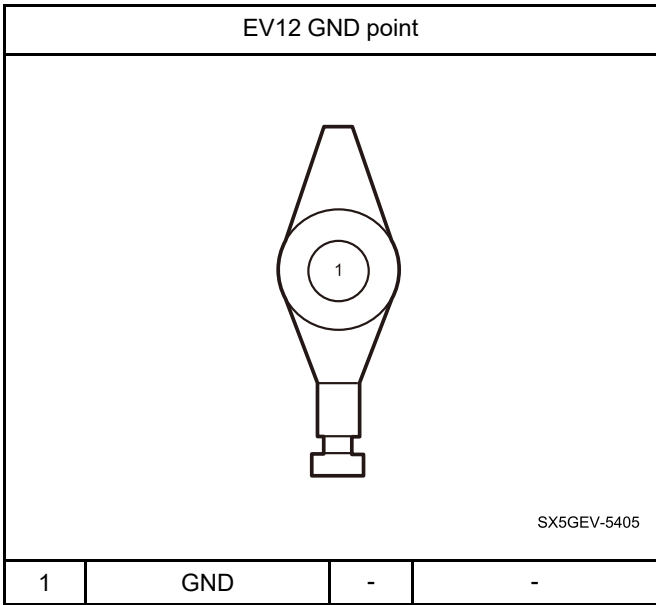
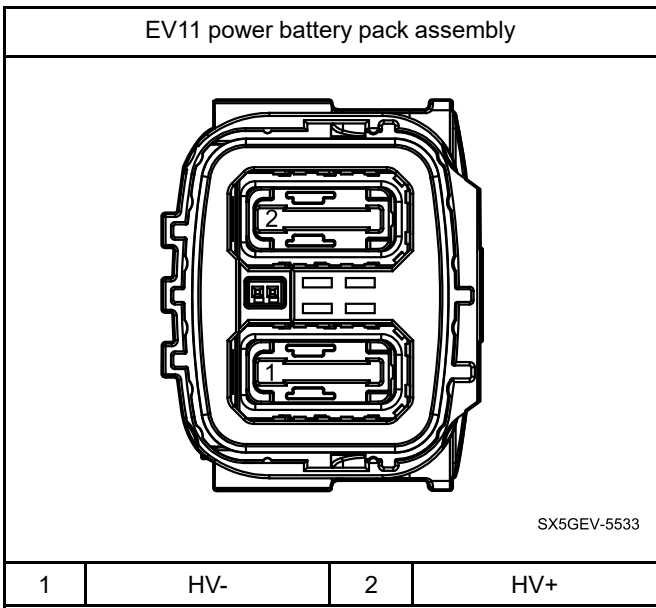
1	Positive terminal	2	Negative terminal
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EV10 PDU

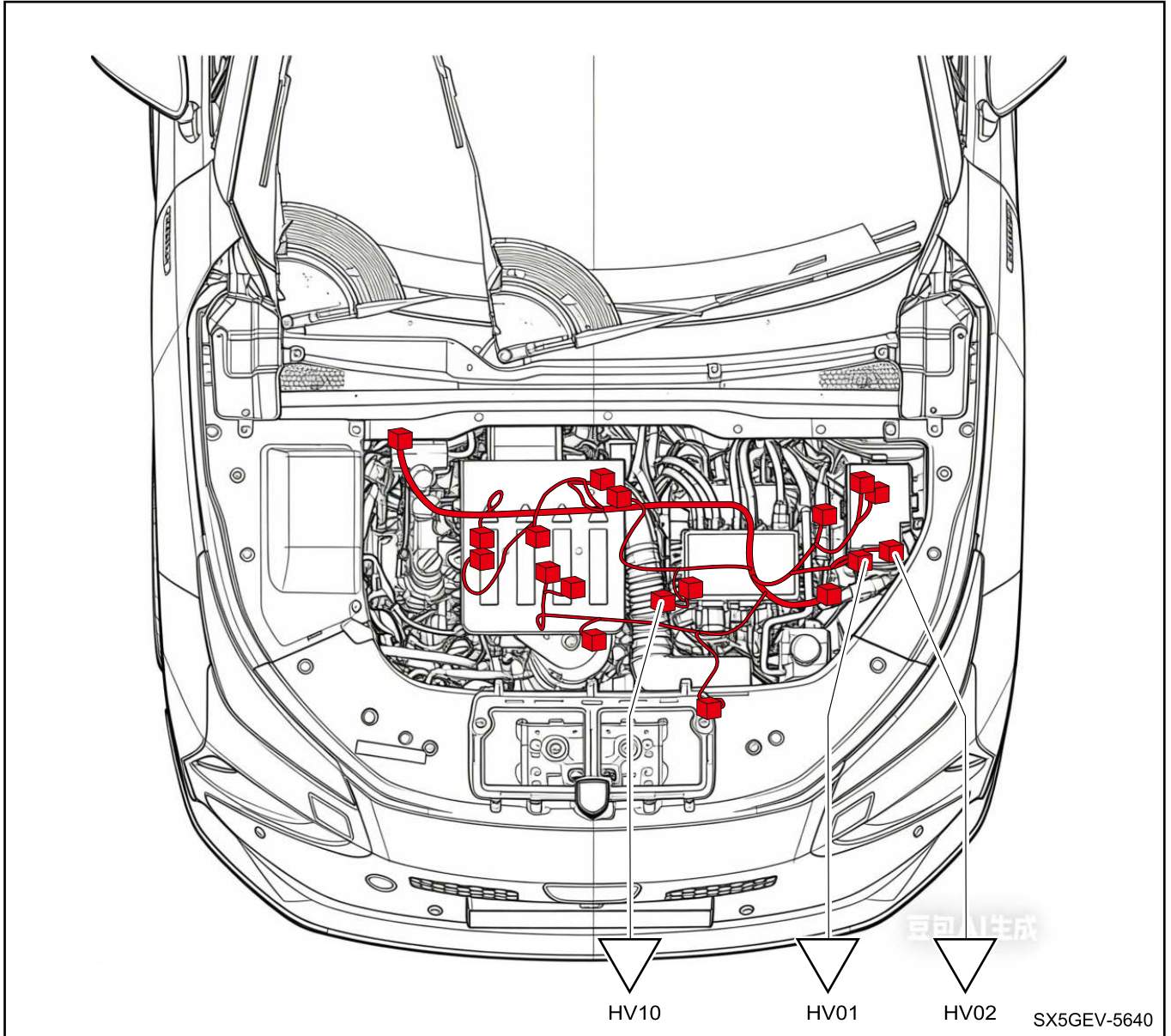


SX5GEV-5532

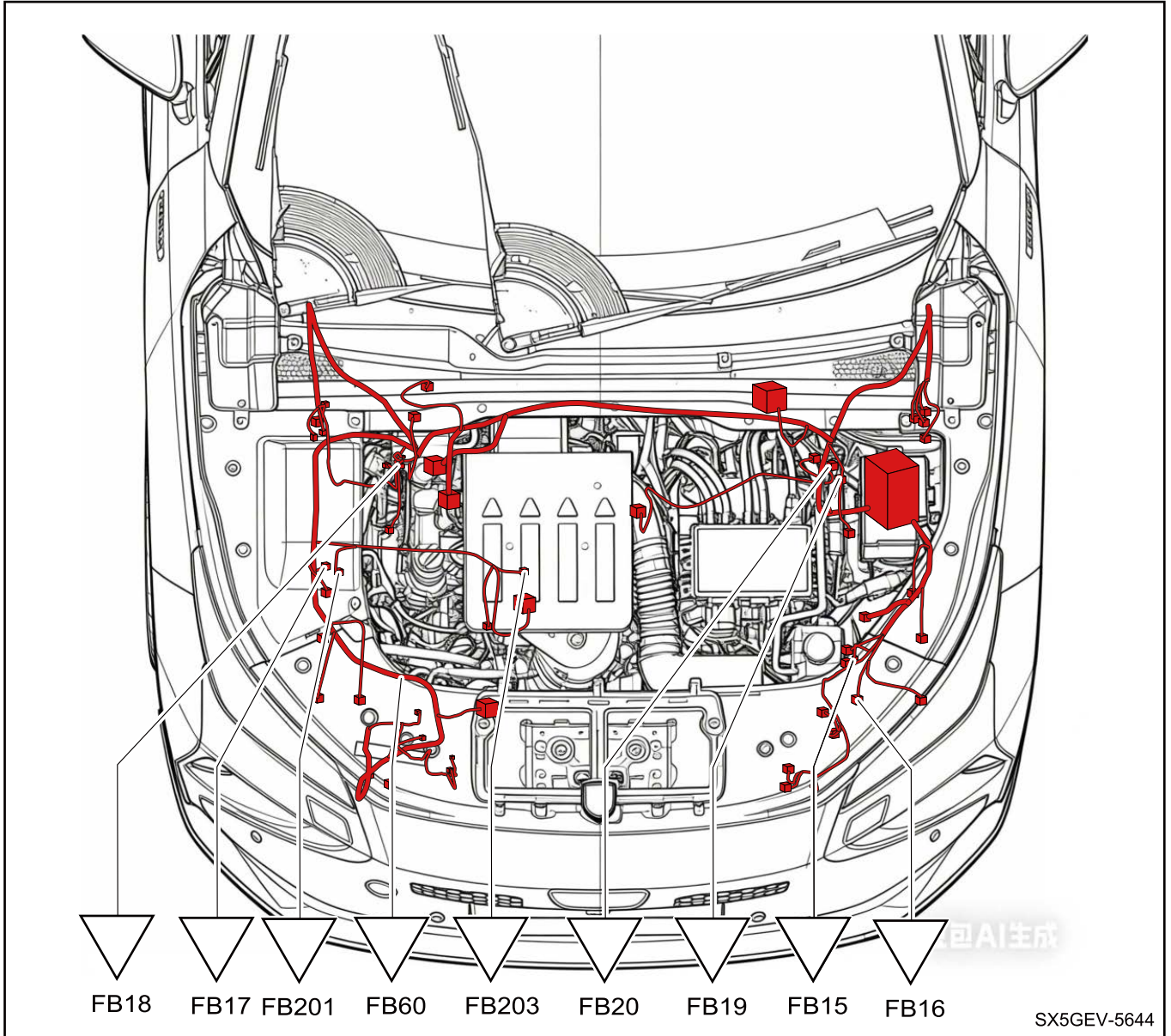
1	HV-	2	HV+
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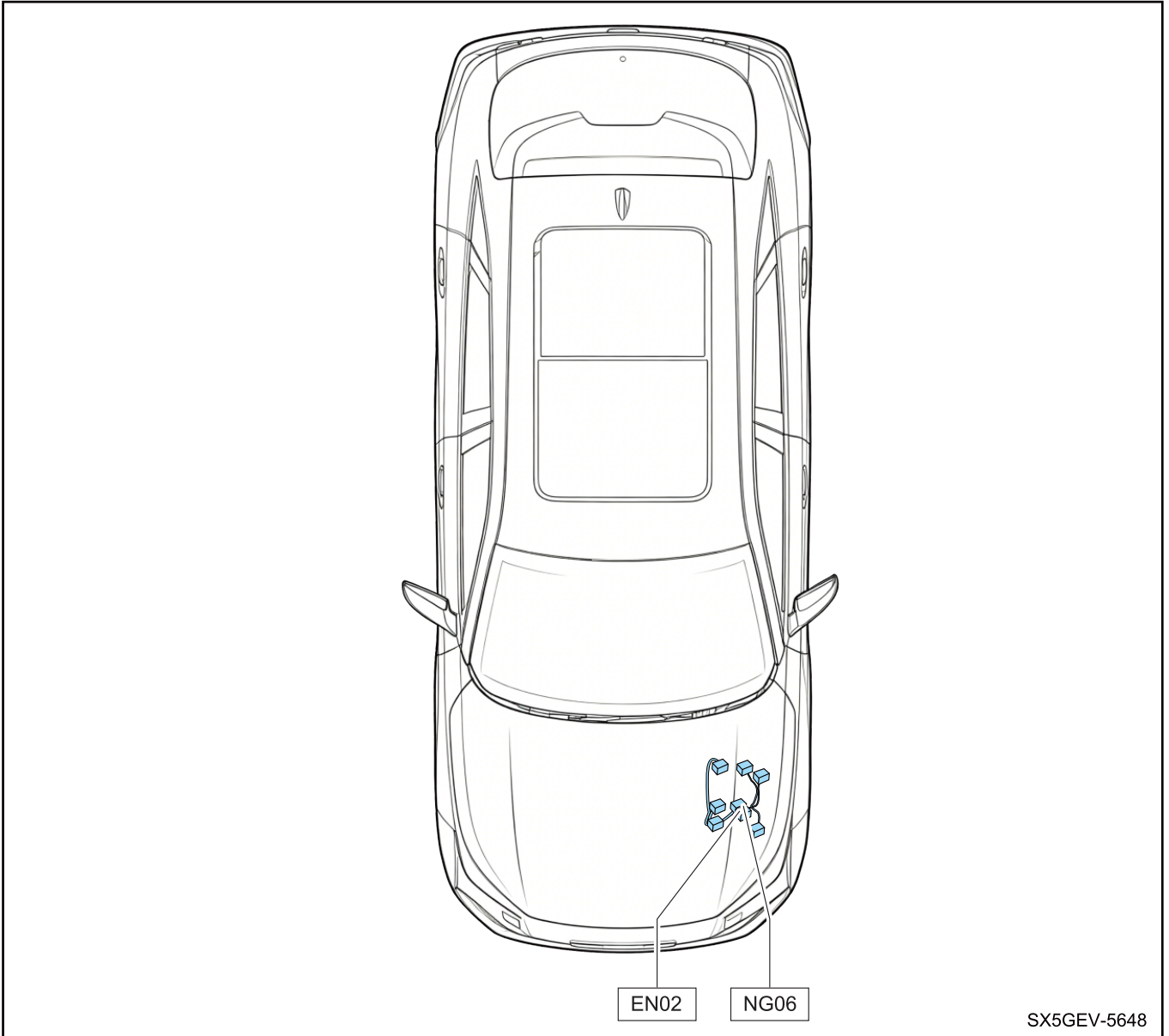
Layout of GND Points for Low-voltage Control Harness Assembly of High-voltage System



Layout of Front Compartment Harness Assembly

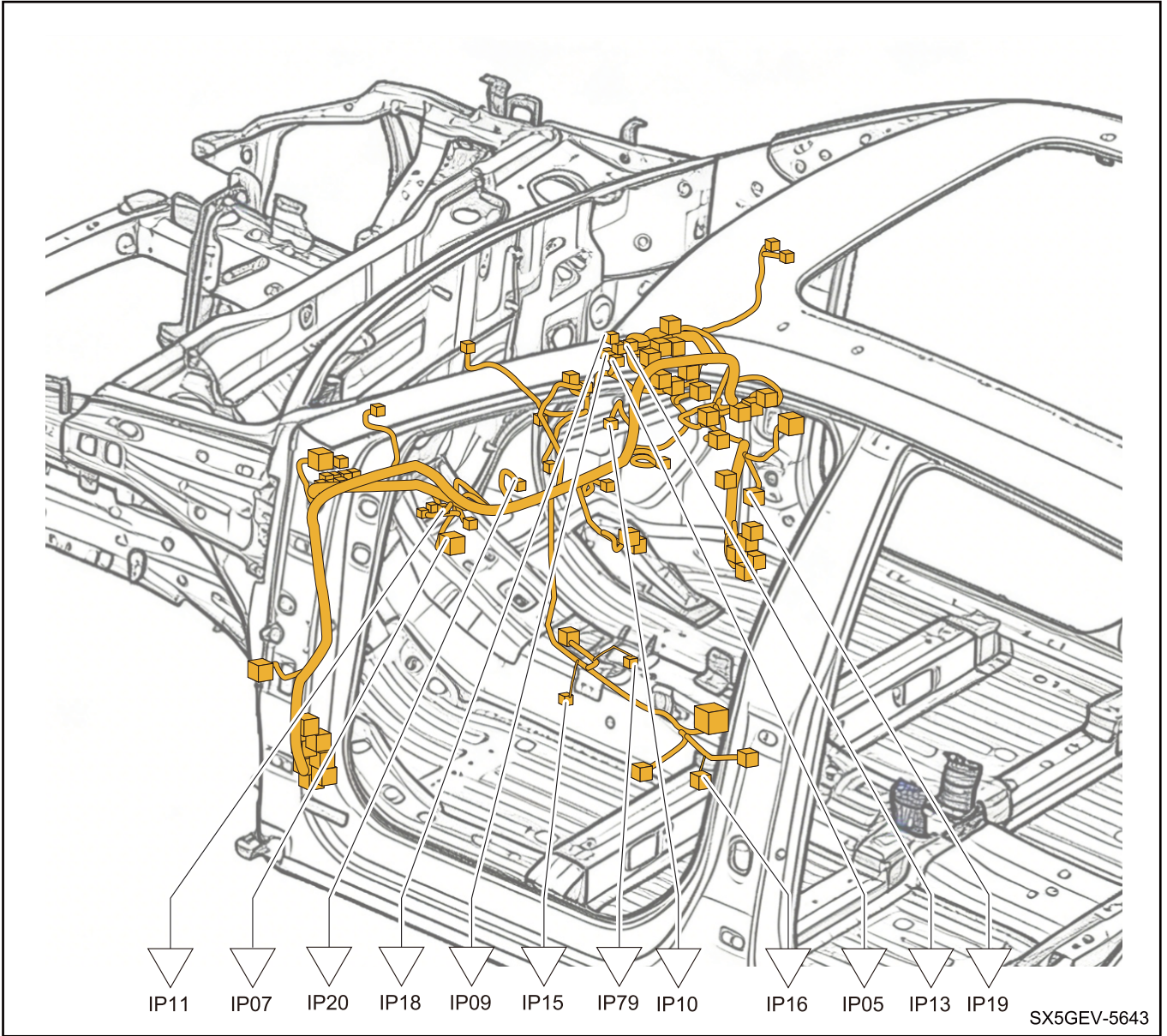


Layout of Battery GND Points

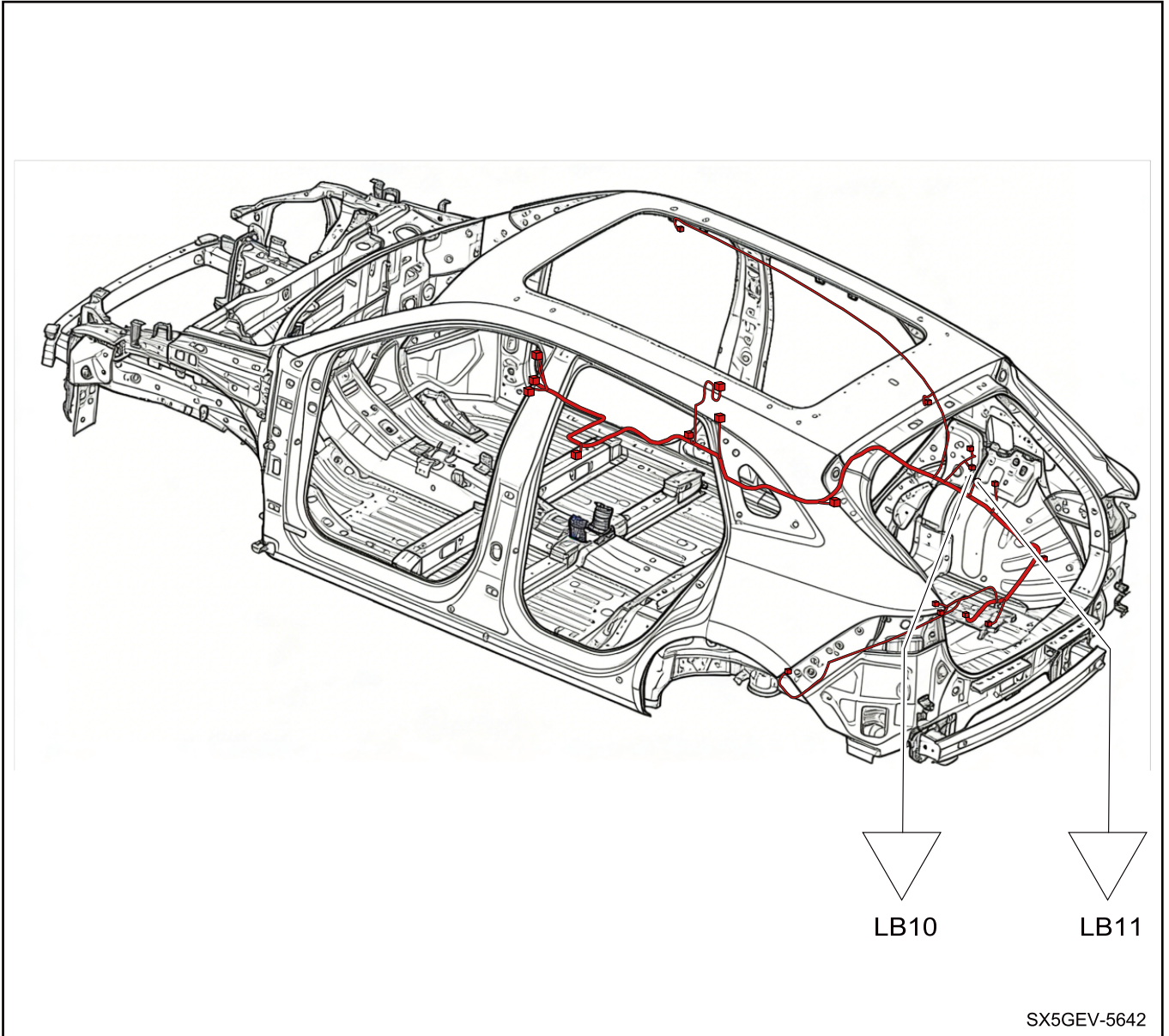


SX5GEV-5648

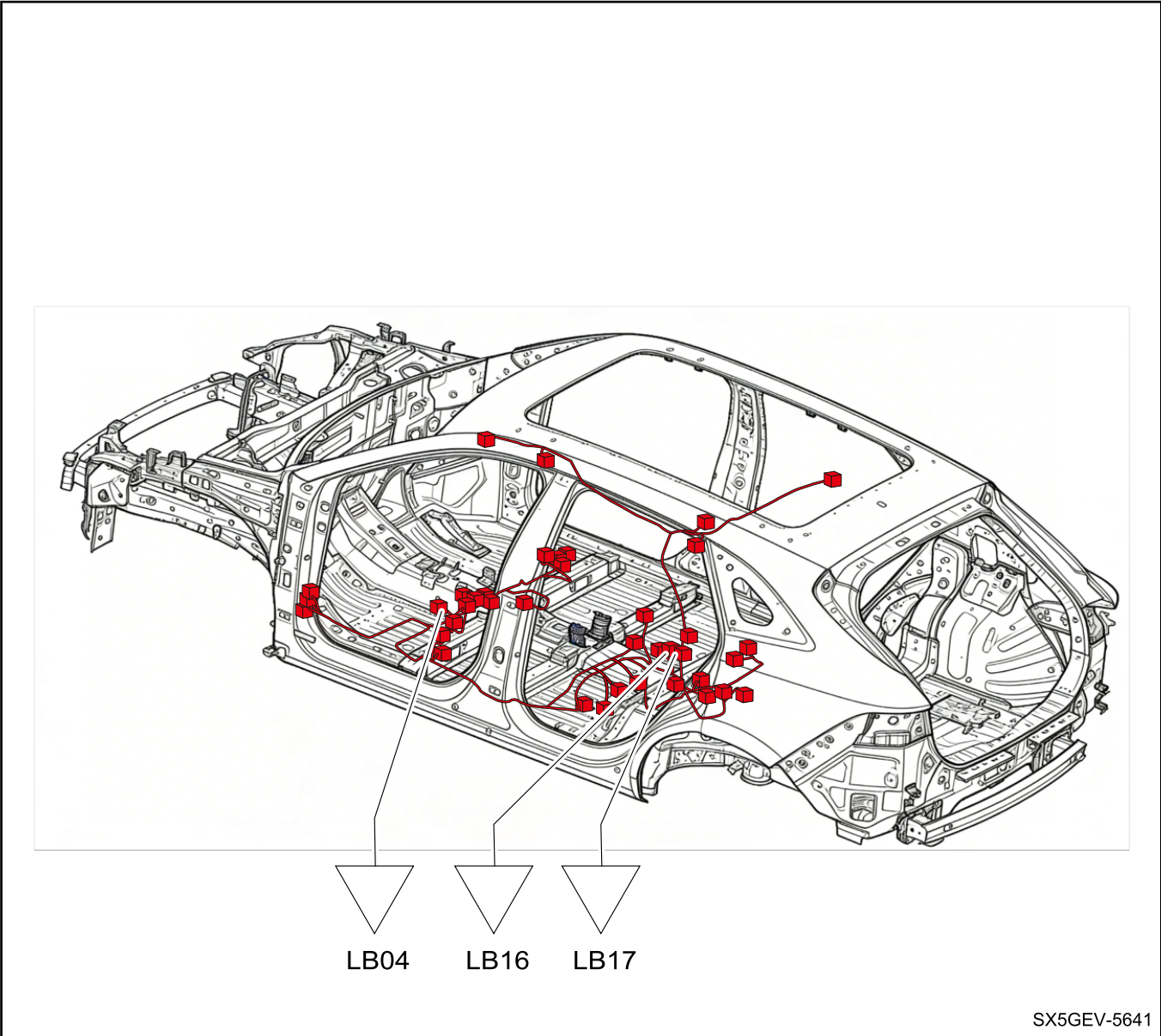
Layout of Instrument Panel Harness GND Points



Layout of Right Body Harness GND Points

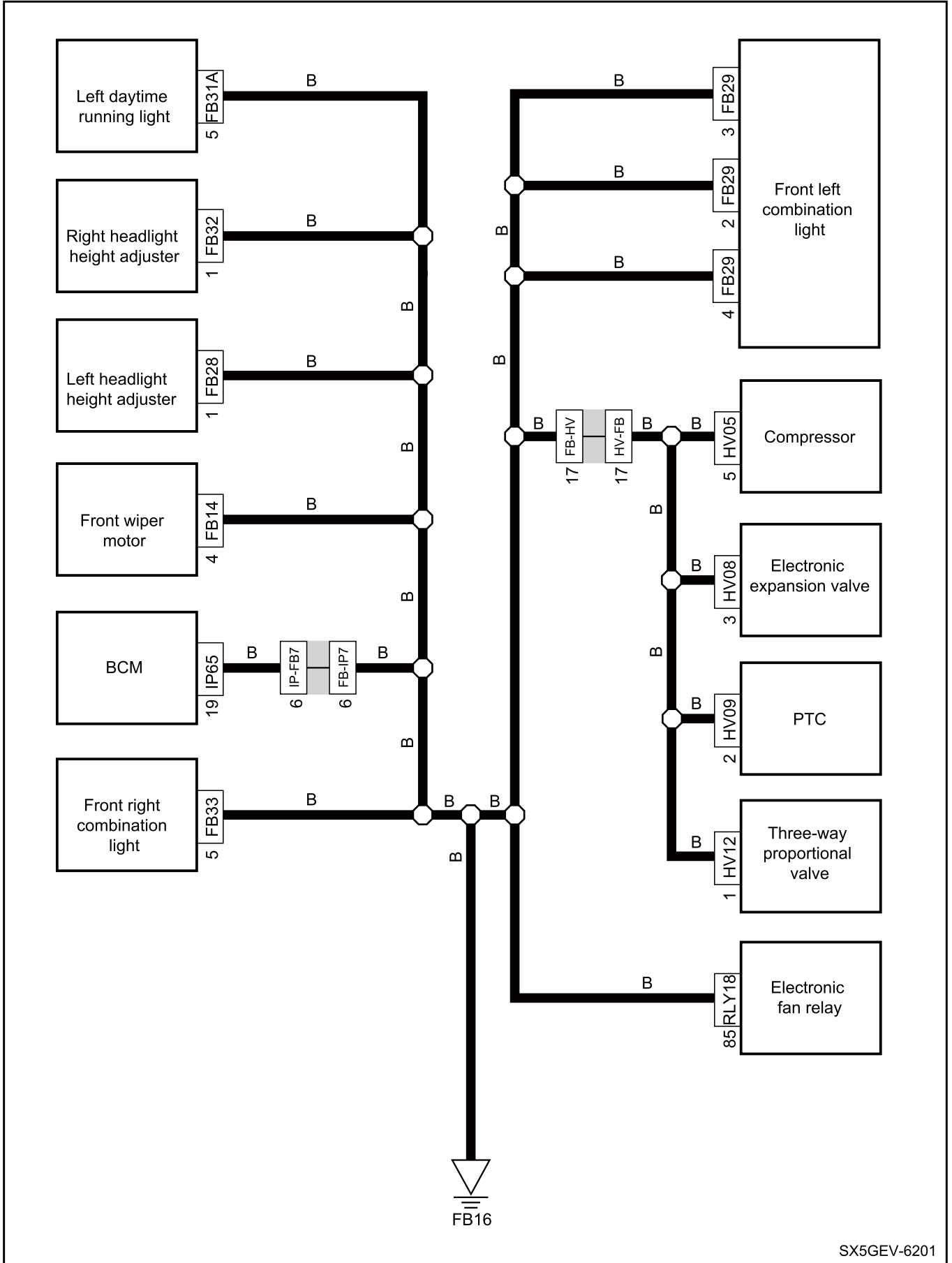


Layout of Left Body Harness GND Points



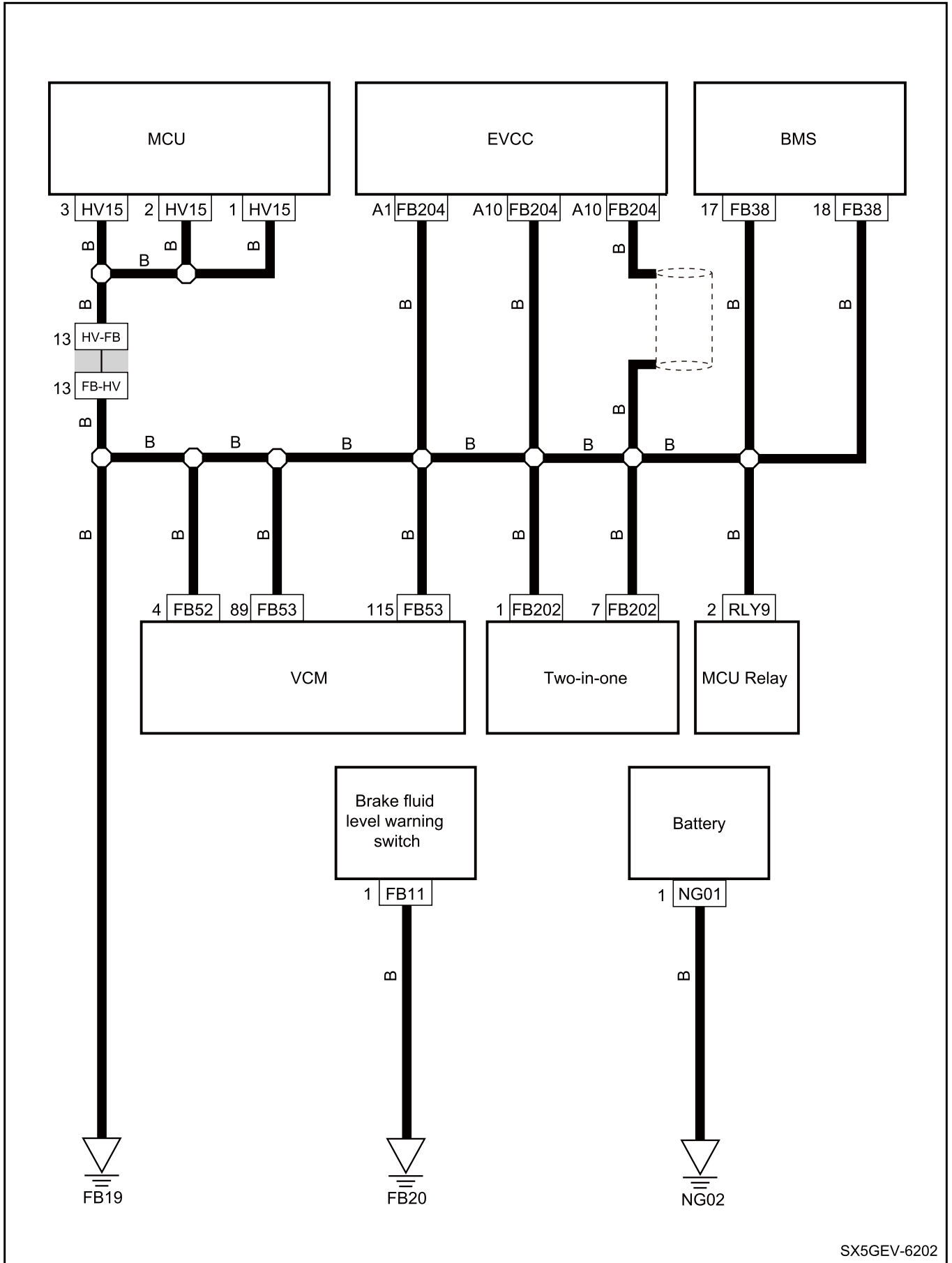
SX5GEV-5641

GND Circuit Diagram 1



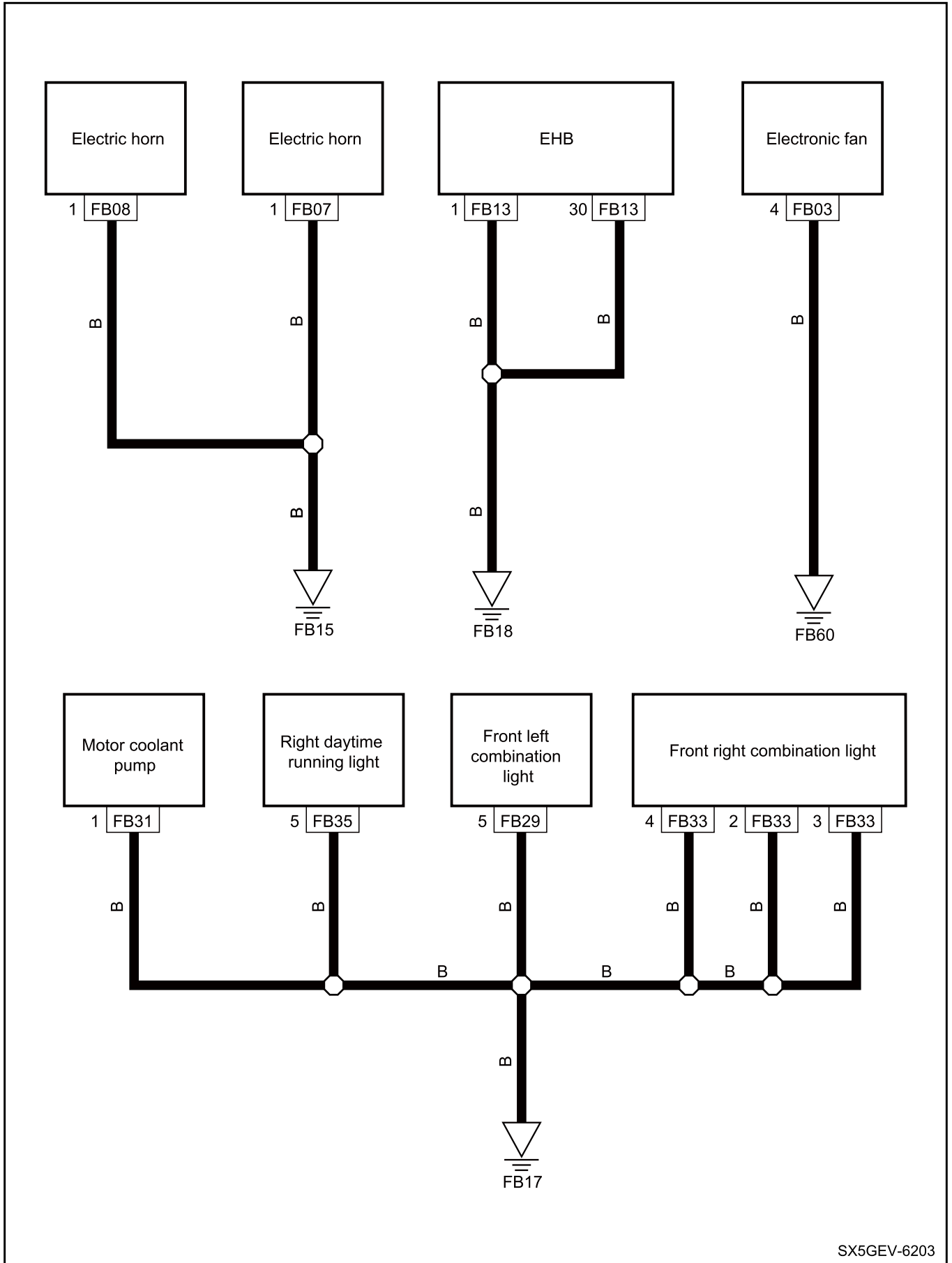
SX5GEV-6201

GND Circuit Diagram 2

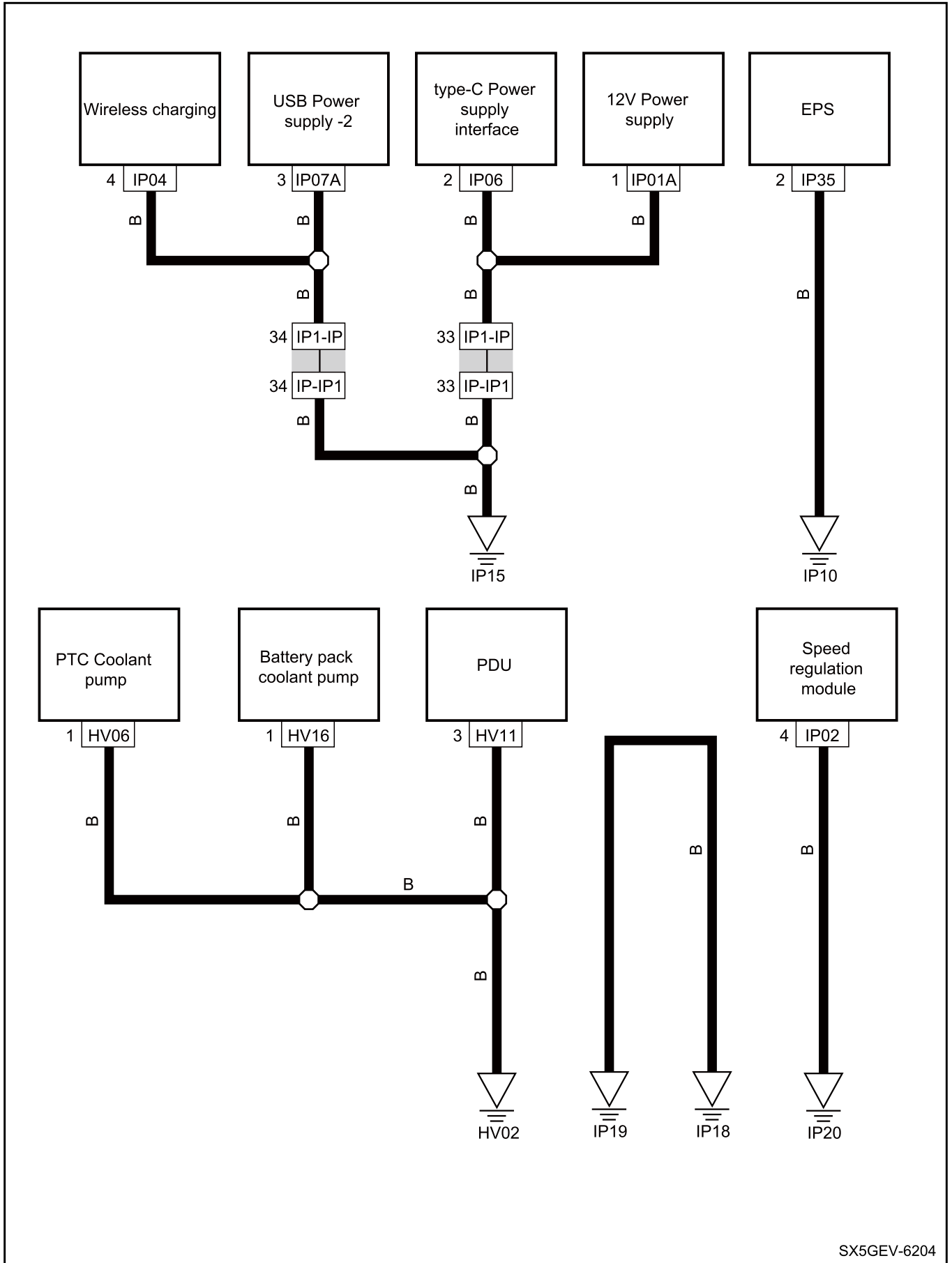


SX5GEV-6202

GND Circuit Diagram 3

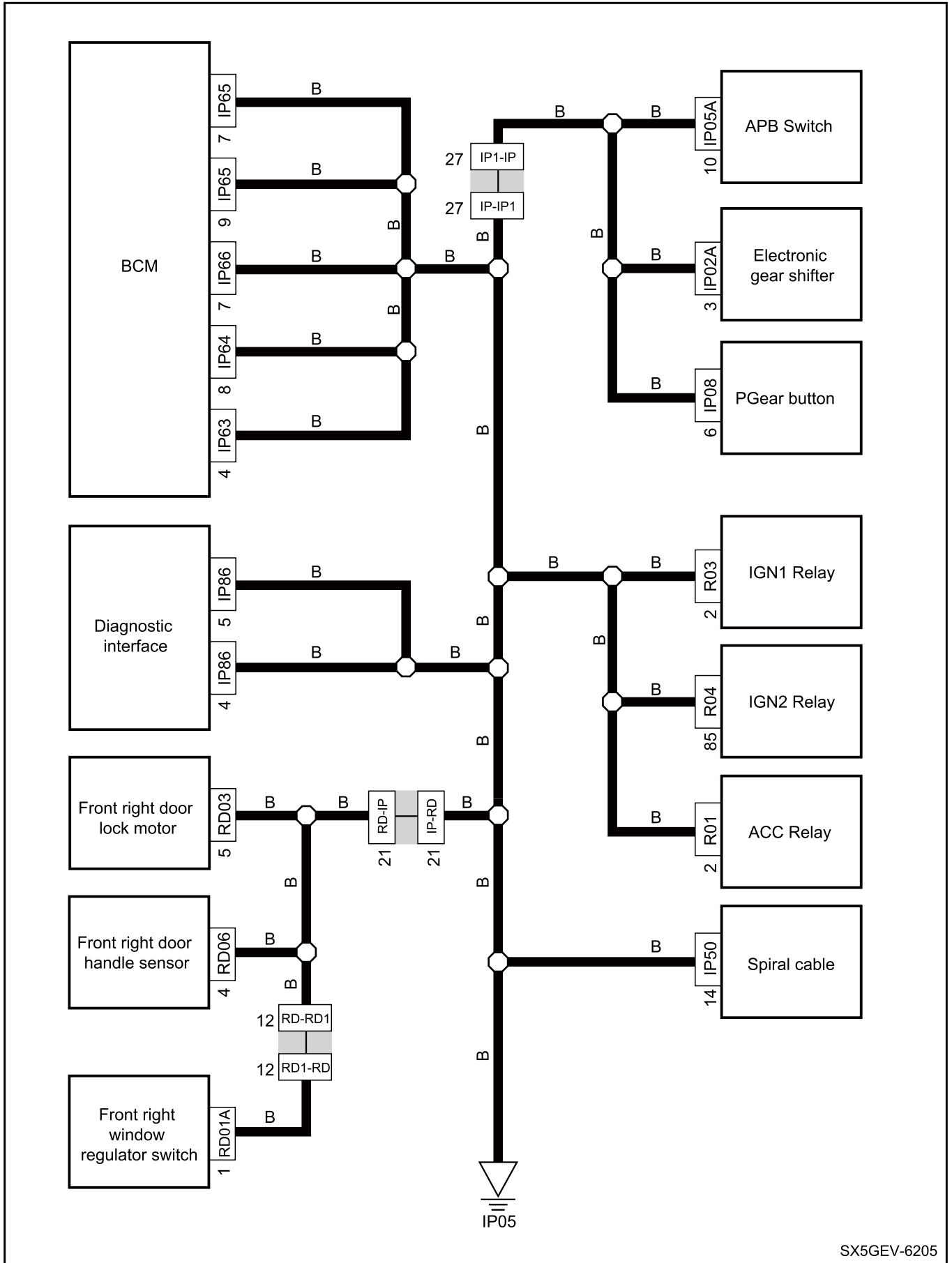


GND Circuit Diagram 4



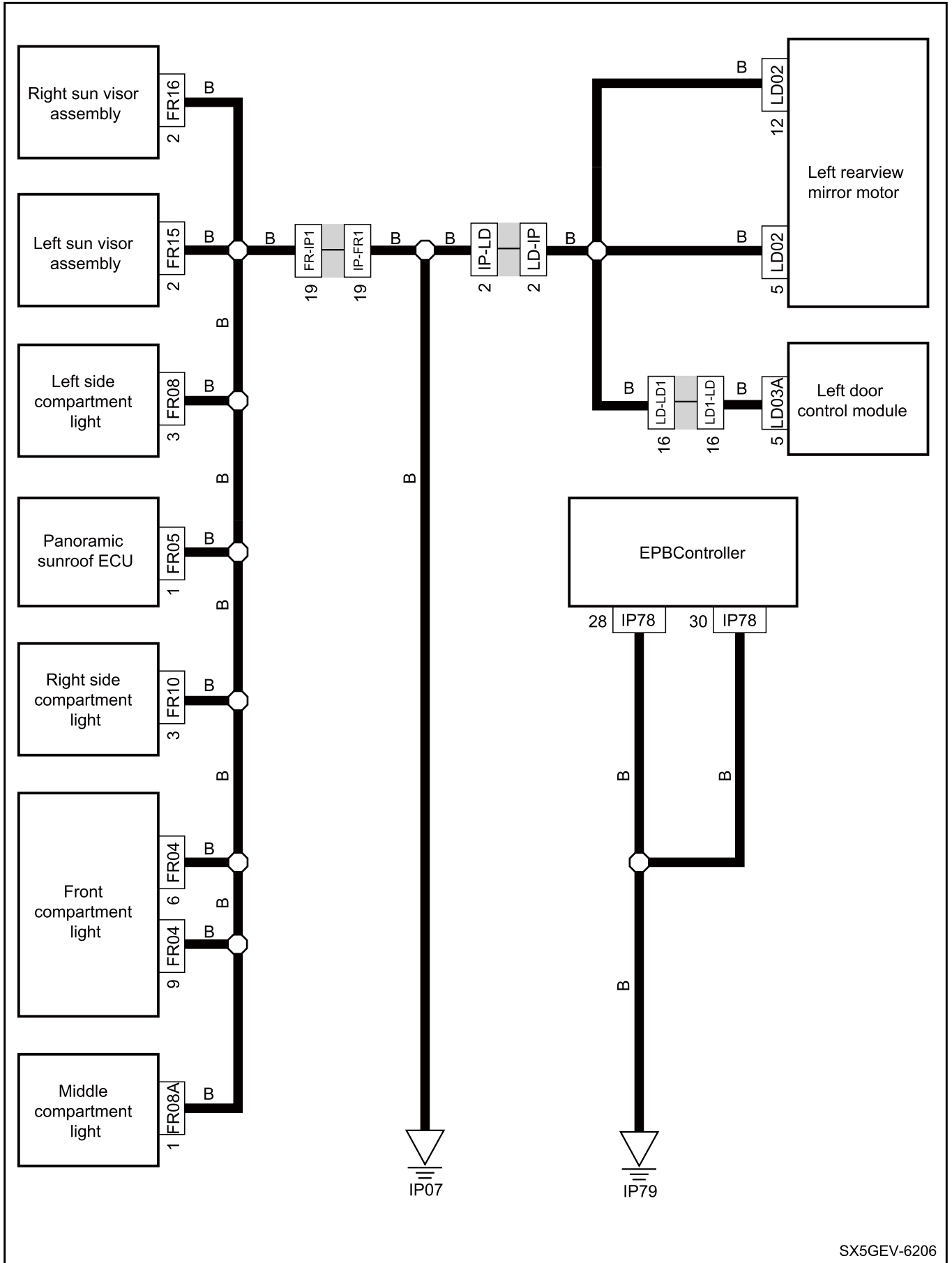
SX5GEV-6204

GND Circuit Diagram 5



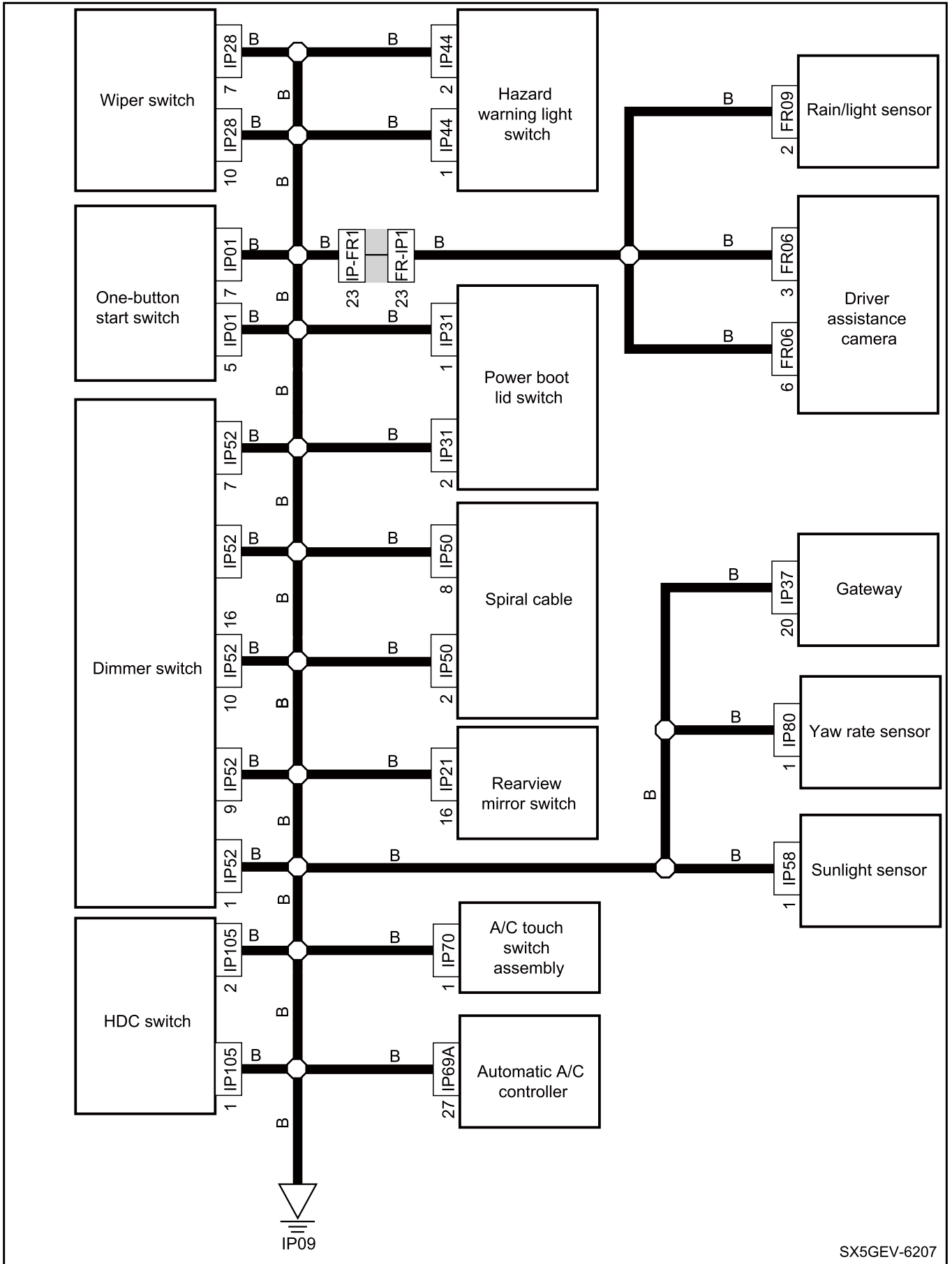
SX5GEV-6205

GND Circuit Diagram 6

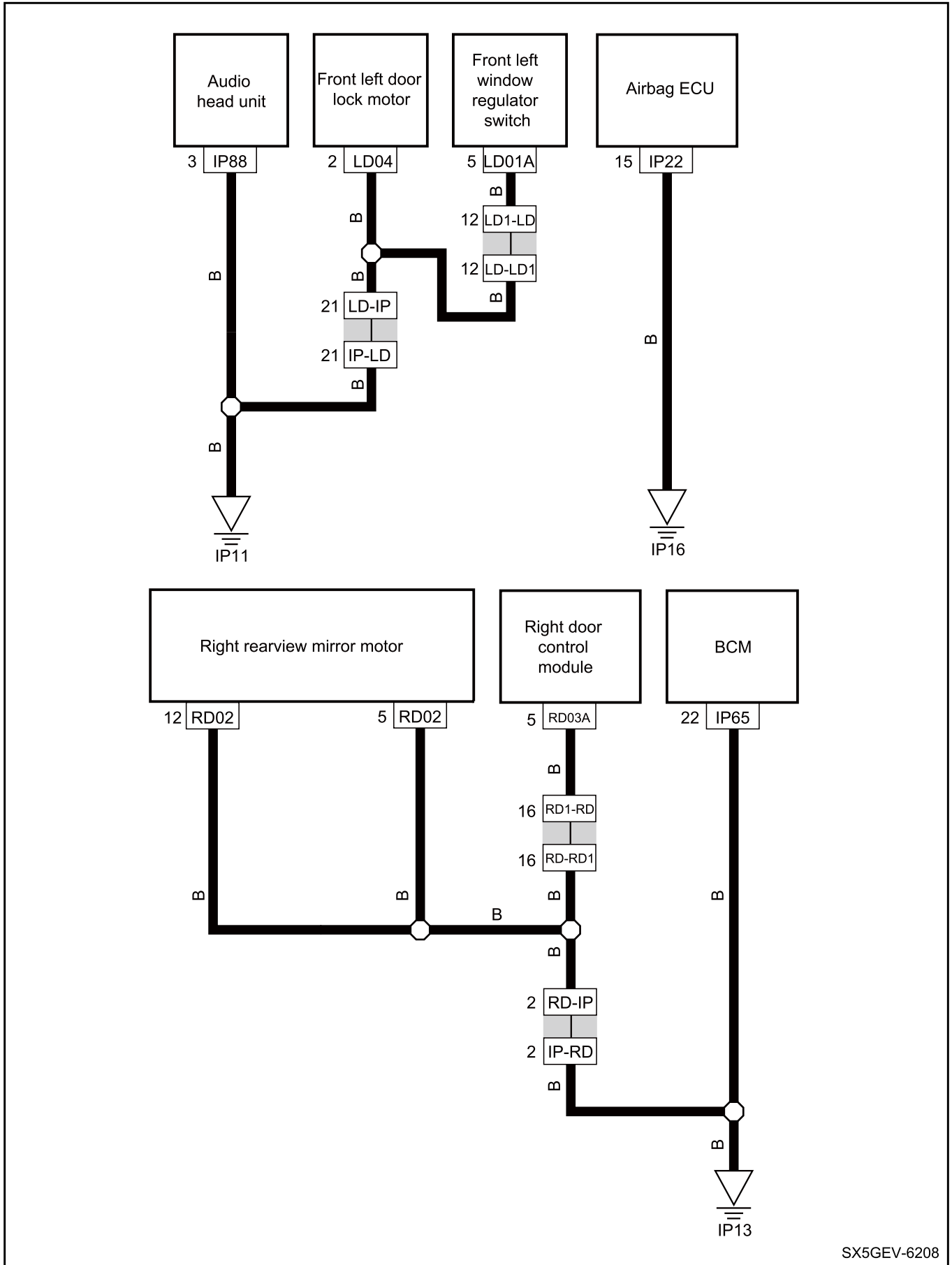


SX5GEV-6206

GND Circuit Diagram 7

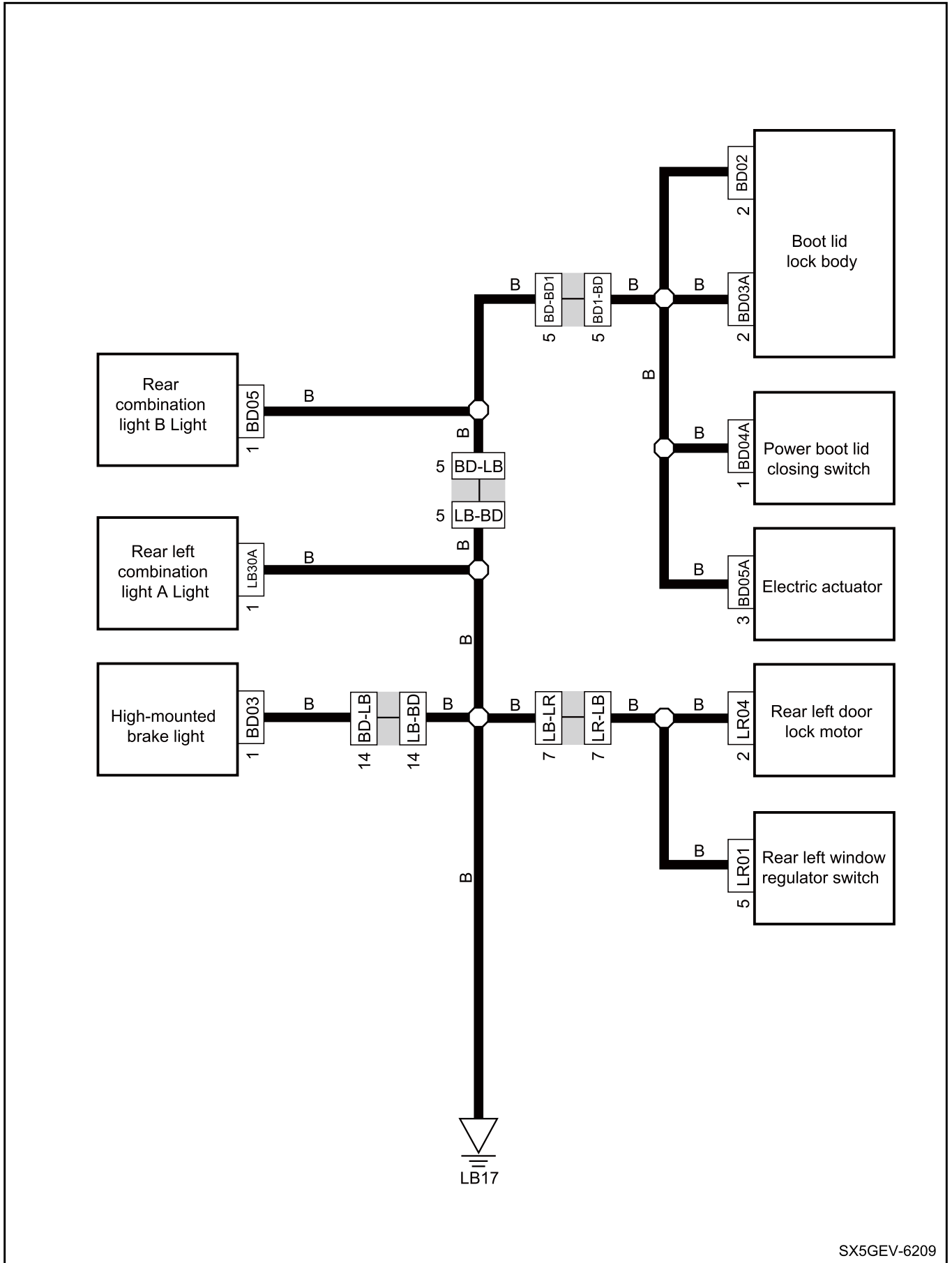


GND Circuit Diagram 8



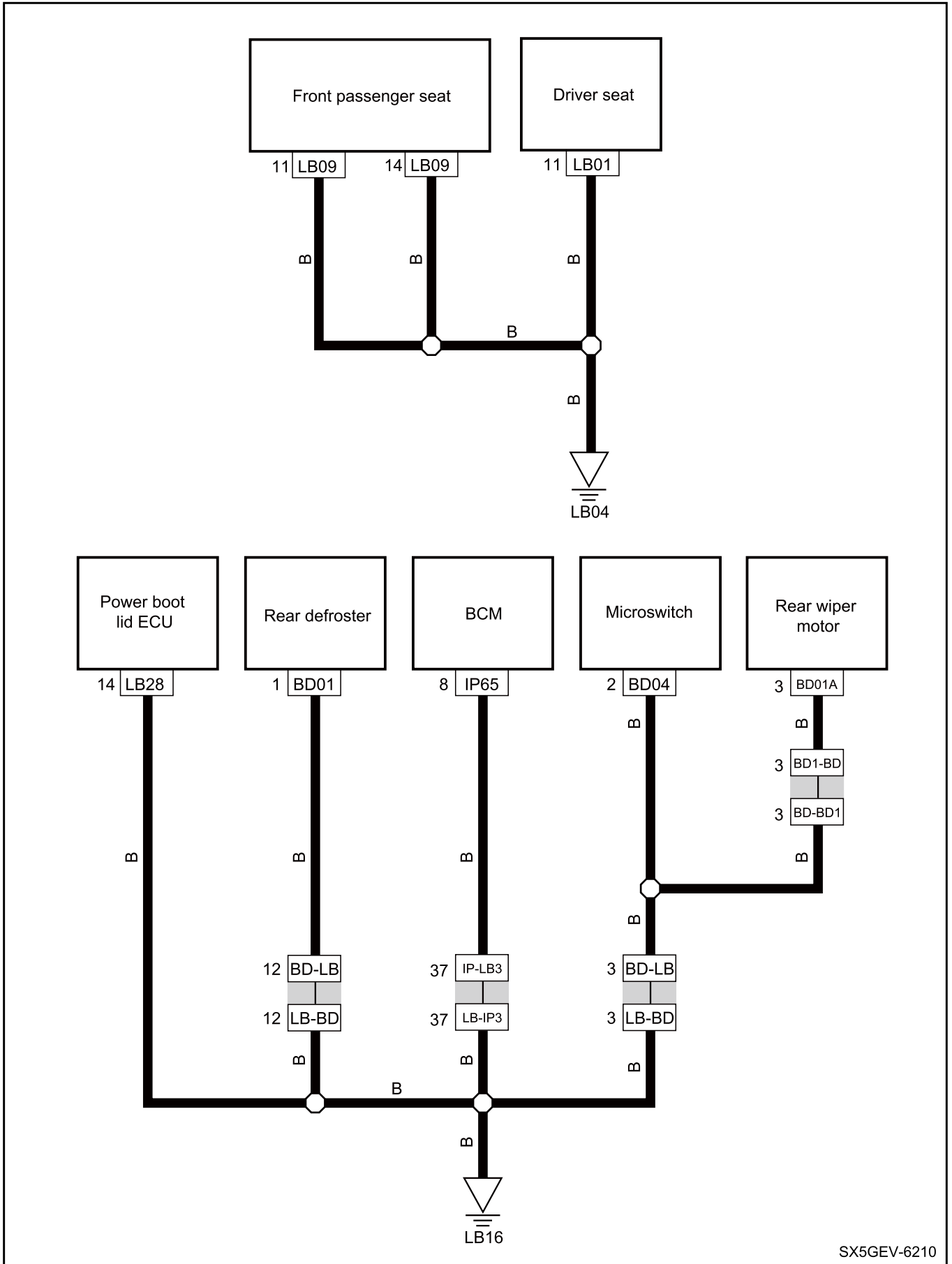
SX5GEV-6208

GND Circuit Diagram 9



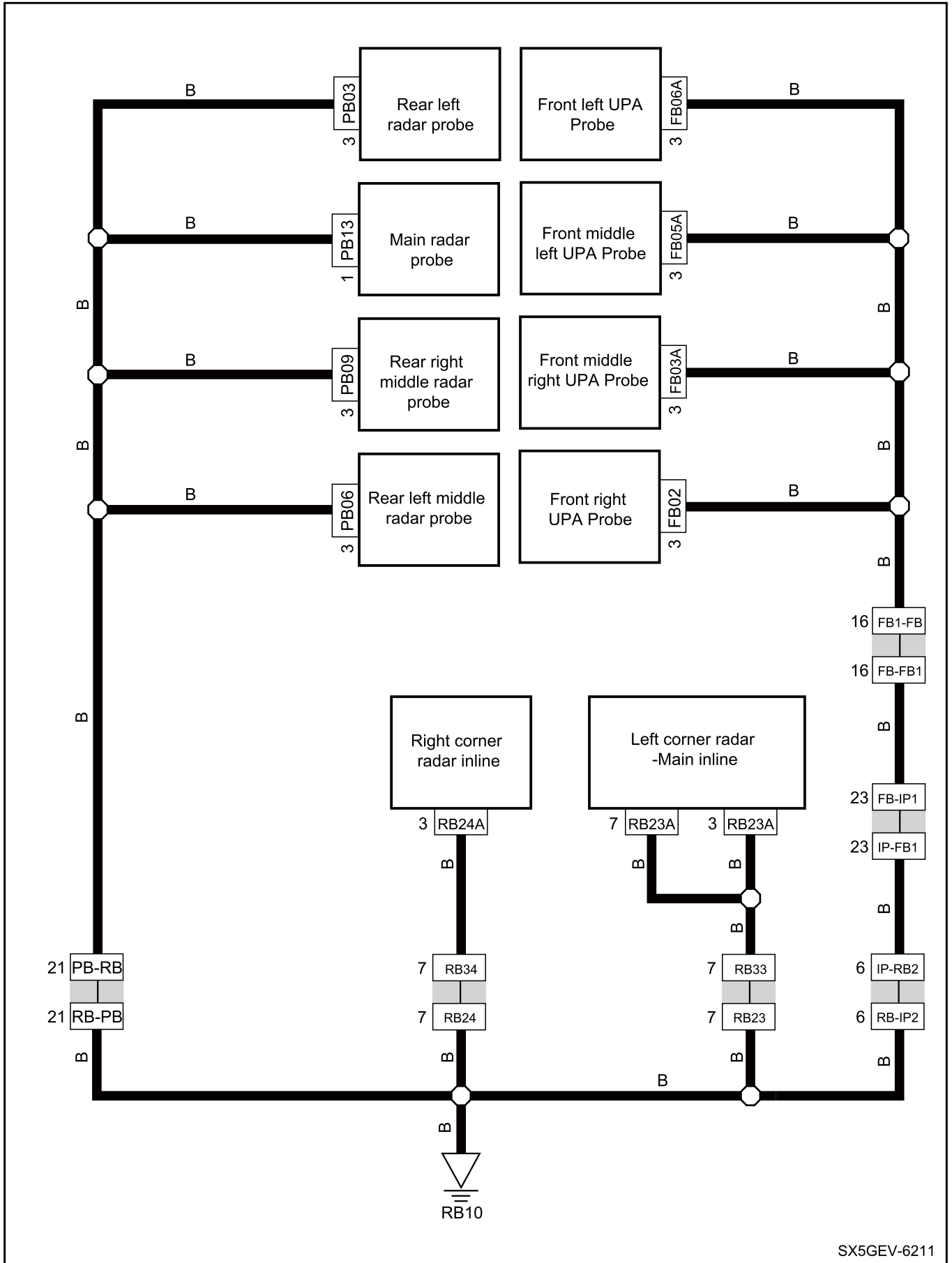
SX5GEV-6209

GND Circuit Diagram 10



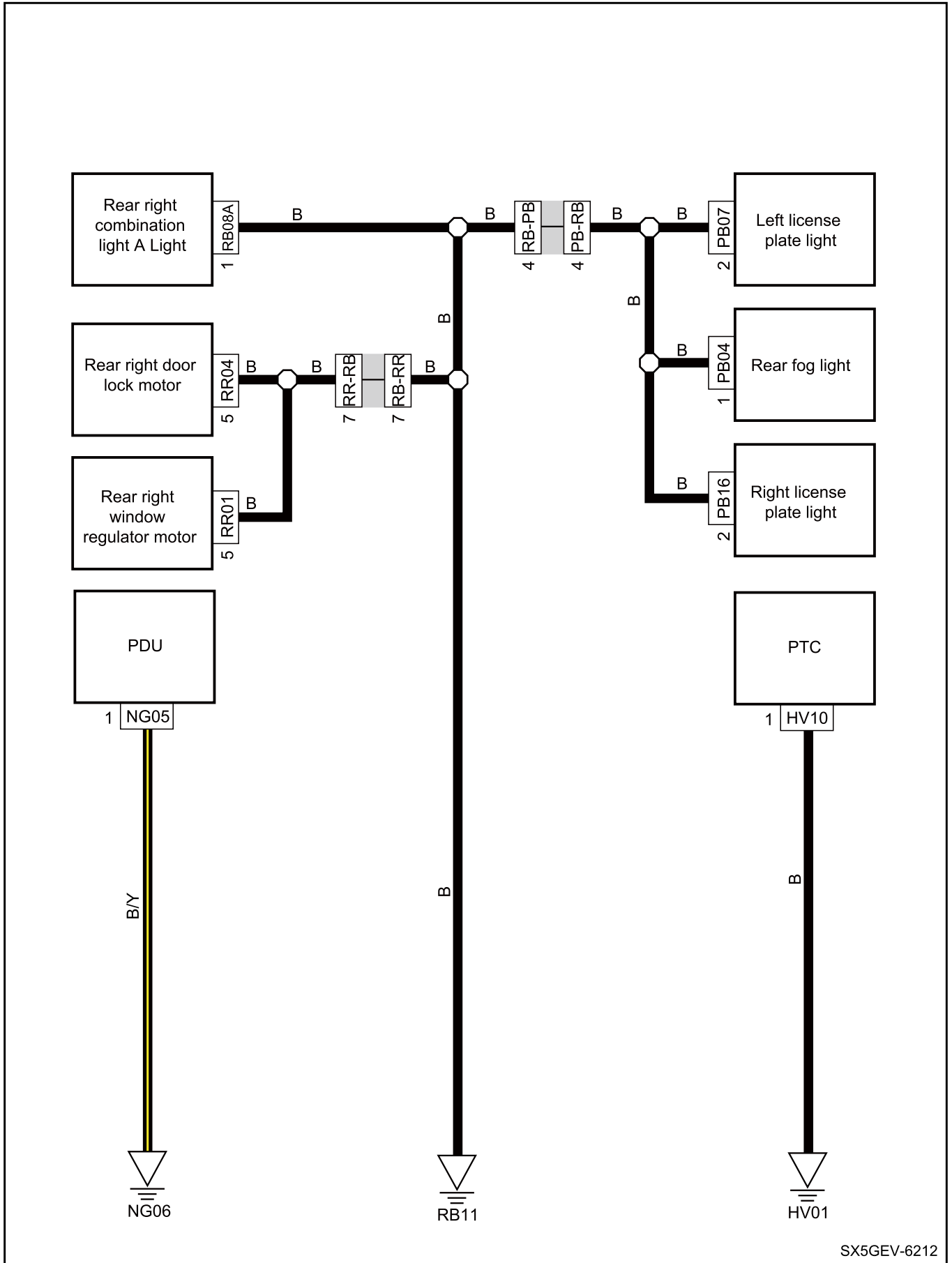
SX5GEV-6210

GND Circuit Diagram 11



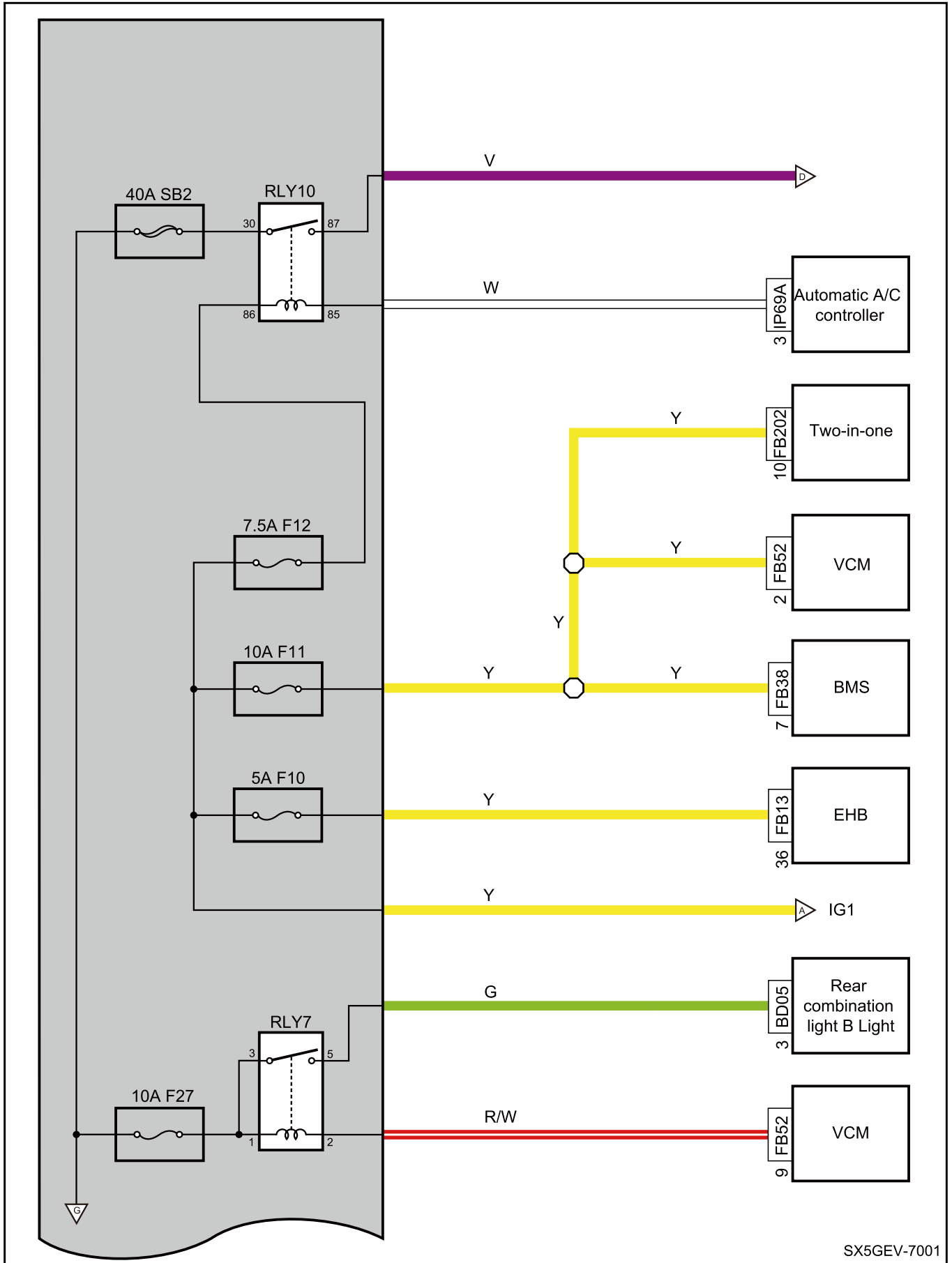
SX5GEV-6211

GND Circuit Diagram 12

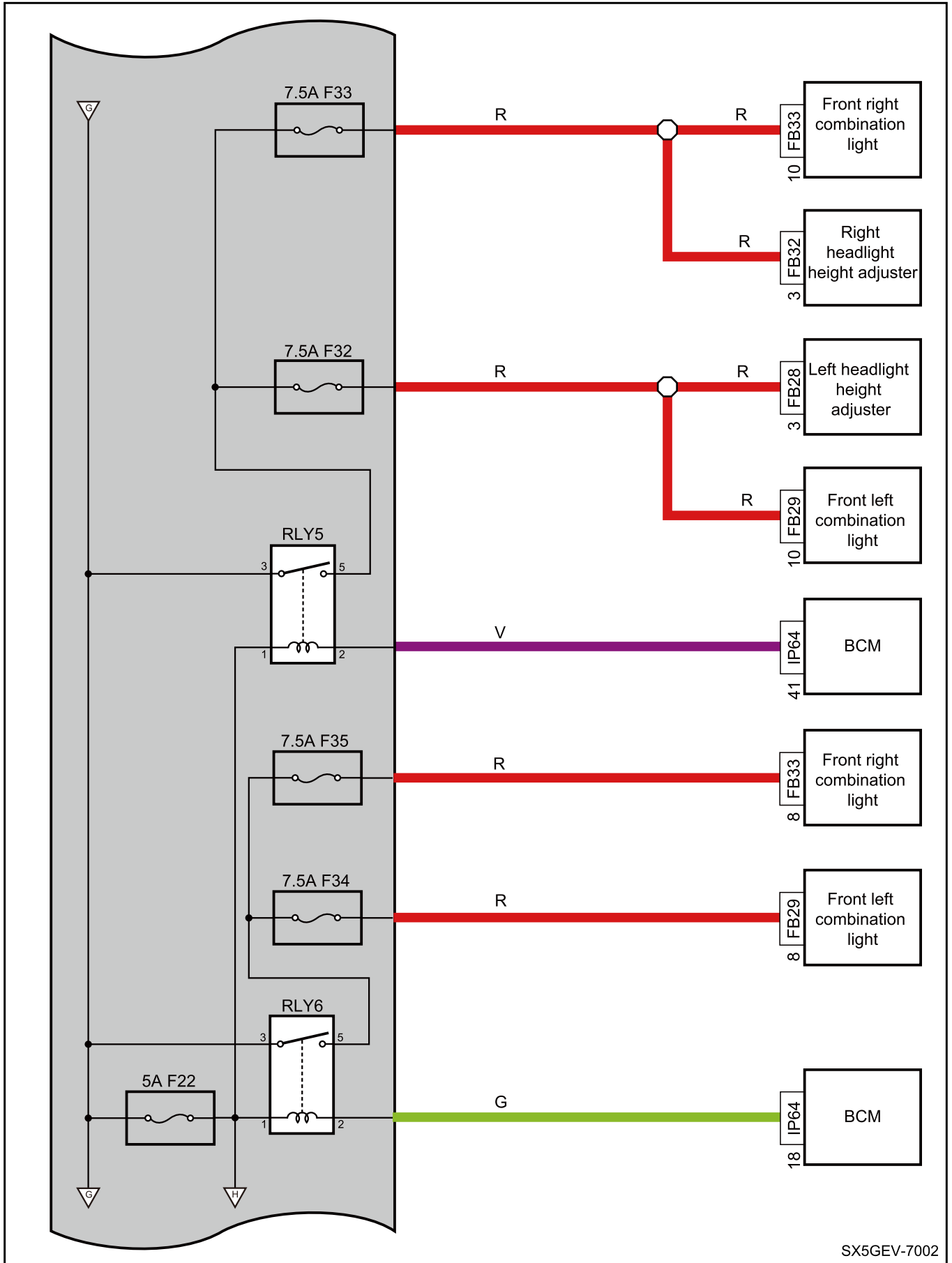


SX5GEV-6212

Power Distribution Diagram of Front Engine Compartment Fuse and Relay Box 1

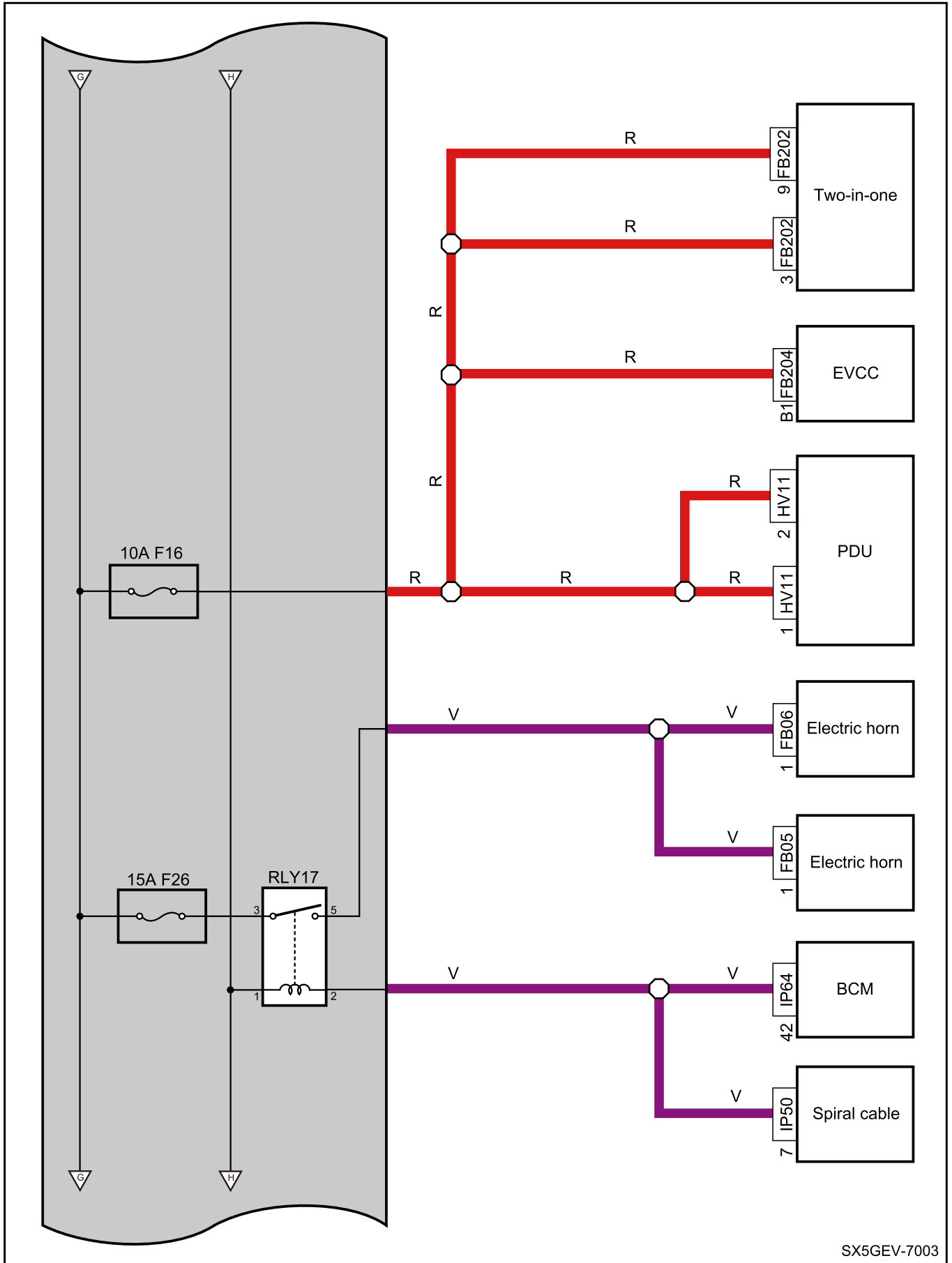


Power Distribution Diagram of Front Engine Compartment Fuse and Relay Box 2

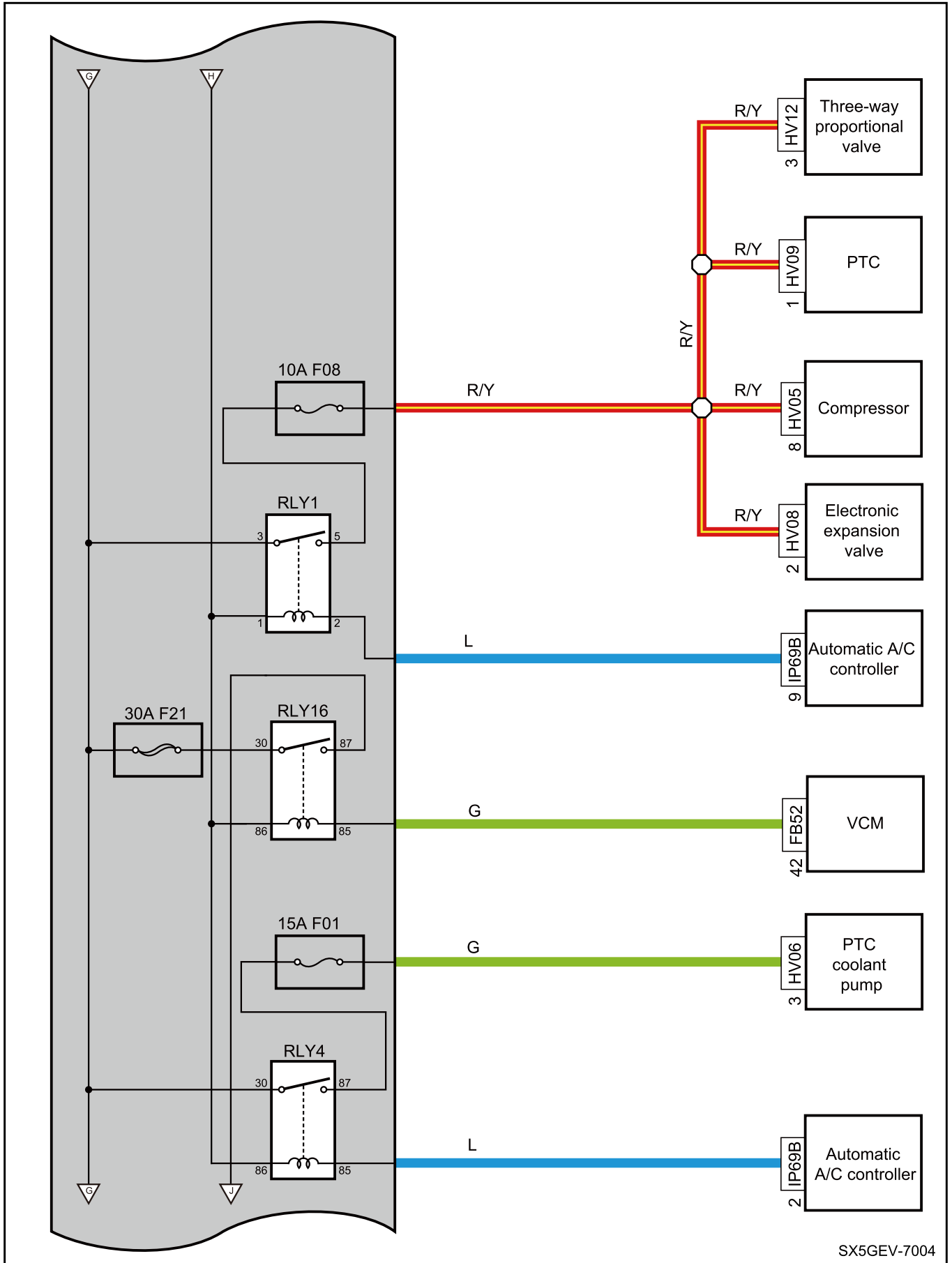


SX5GEV-7002

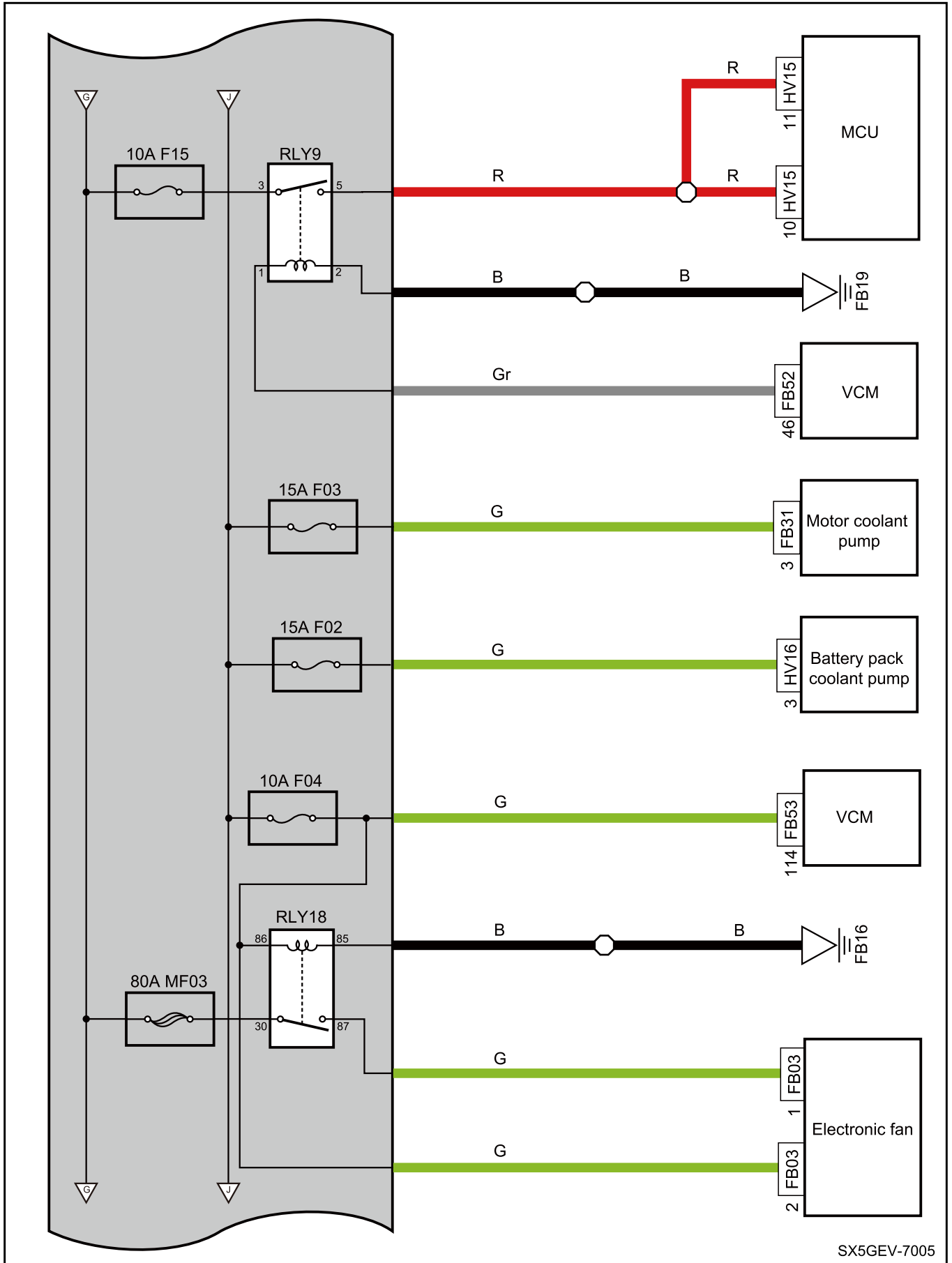
Power Distribution Diagram of Front Engine Compartment Fuse and Relay Box 3



Power Distribution Diagram of Front Engine Compartment Fuse and Relay Box 4

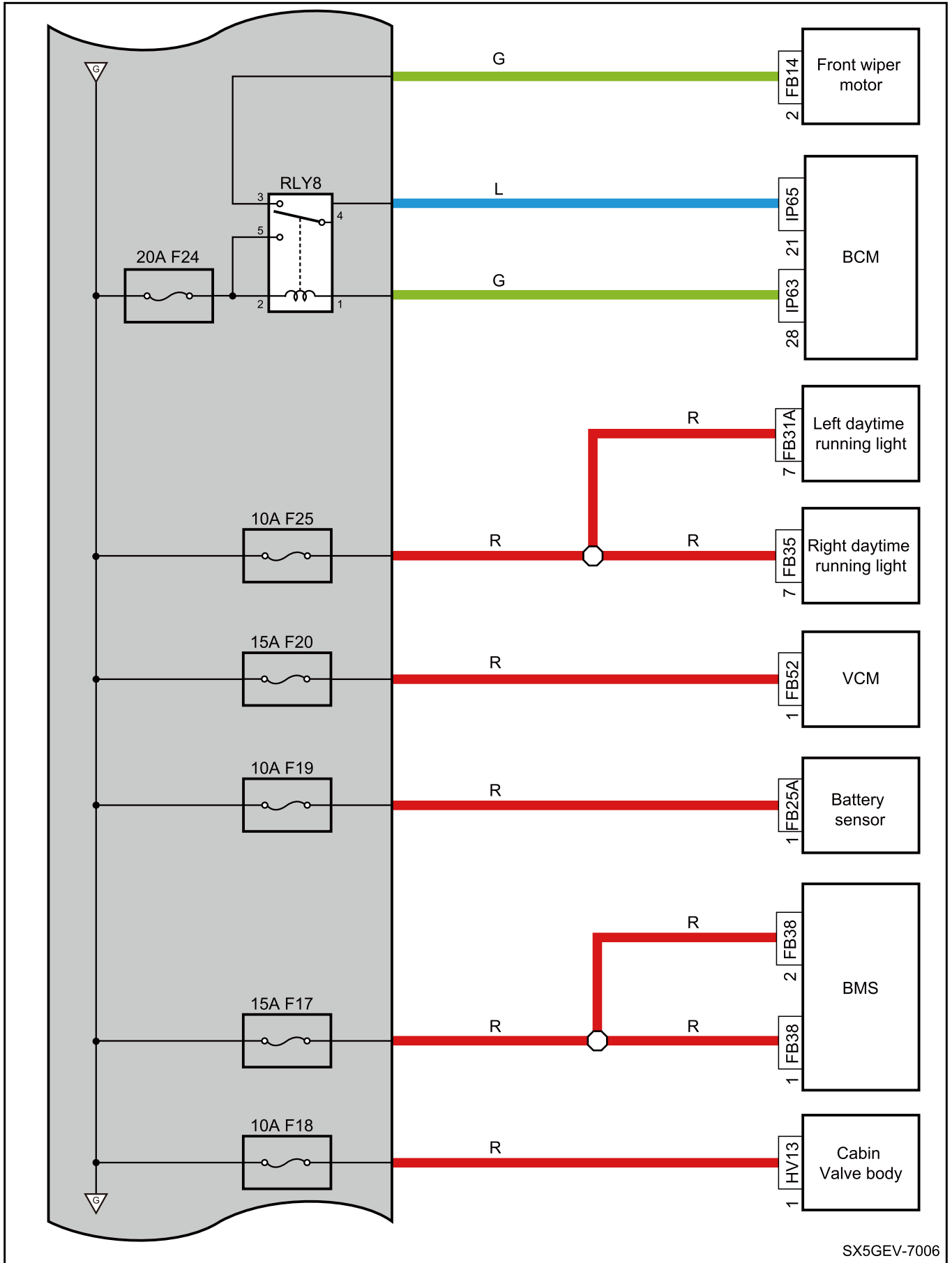


Power Distribution Diagram of Front Engine Compartment Fuse and Relay Box 5



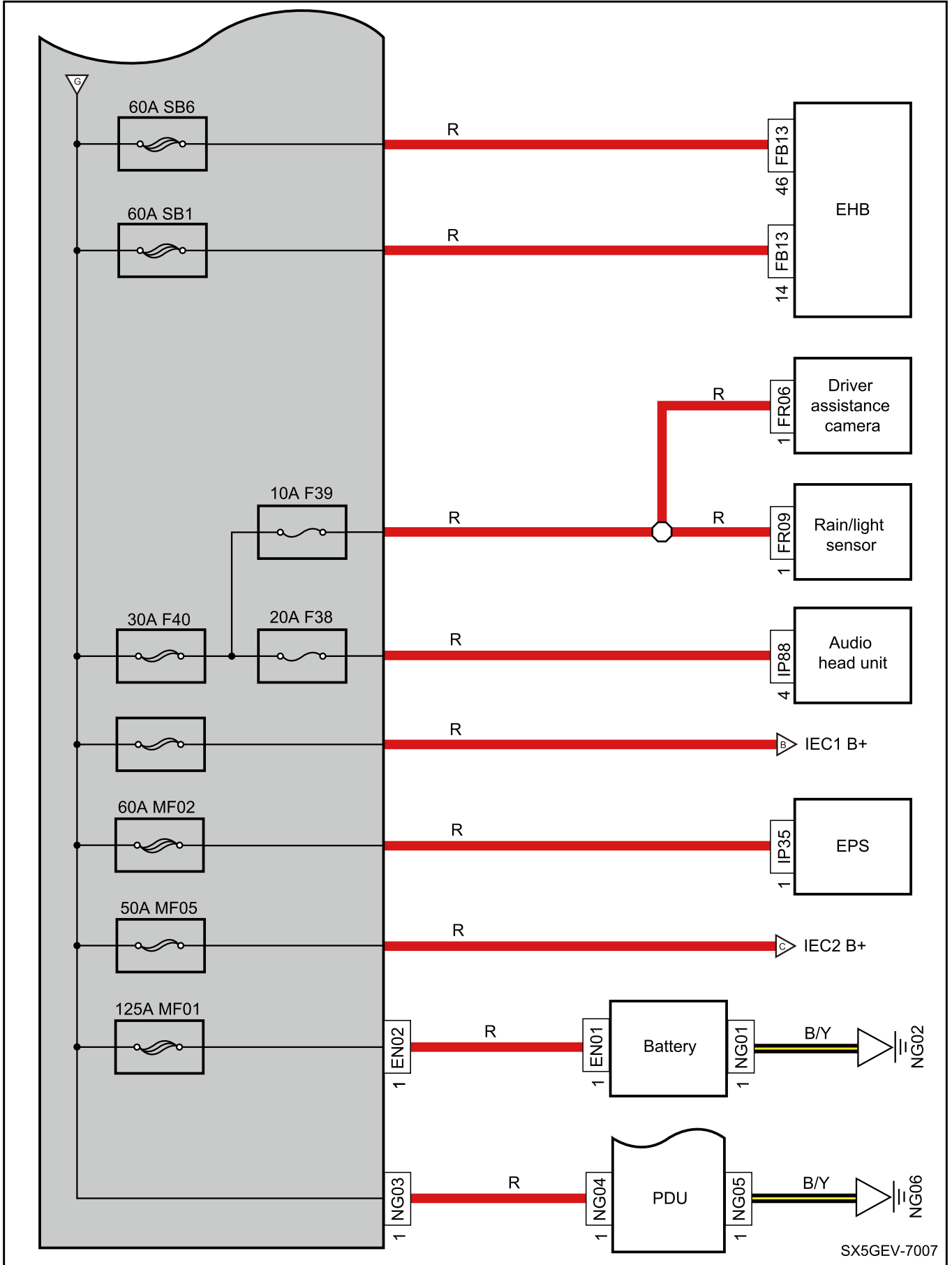
SX5GEV-7005

Power Distribution Diagram of Front Engine Compartment Fuse and Relay Box 6

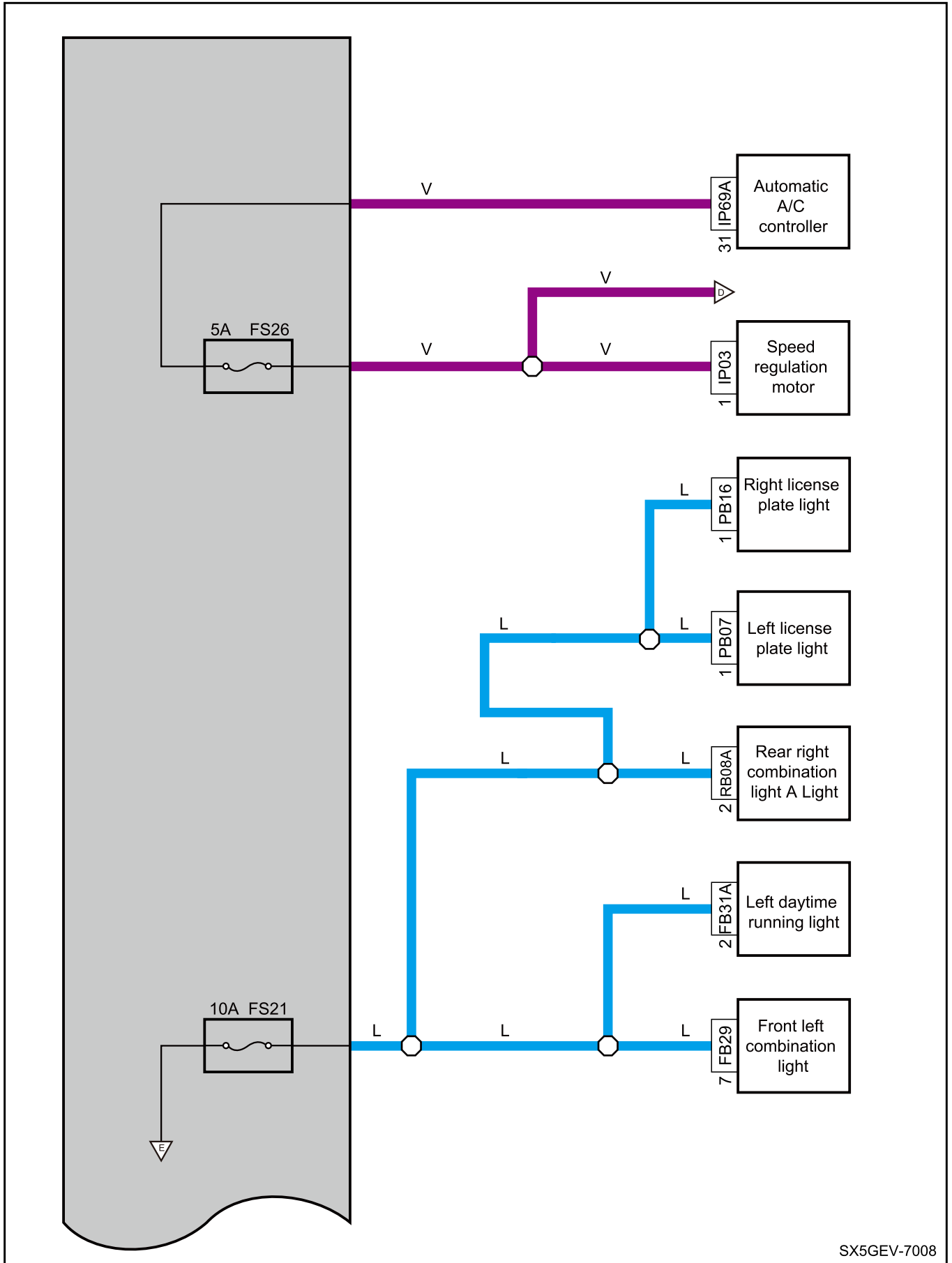


SX5GEV-7006

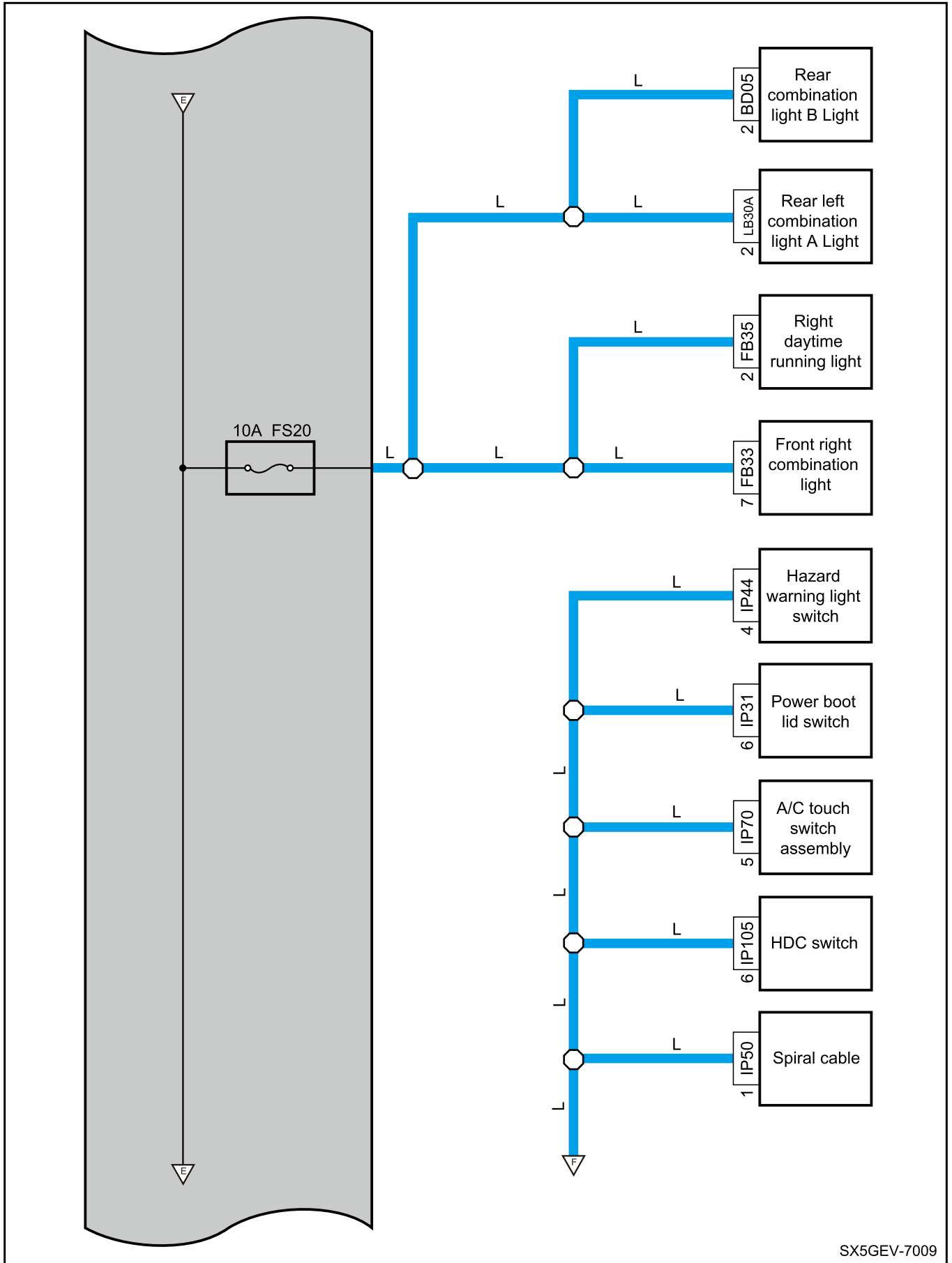
Power Distribution Diagram of Front Engine Compartment Fuse and Relay Box 7



Power Distribution Diagram of Interior Fuse and Relay Box 1

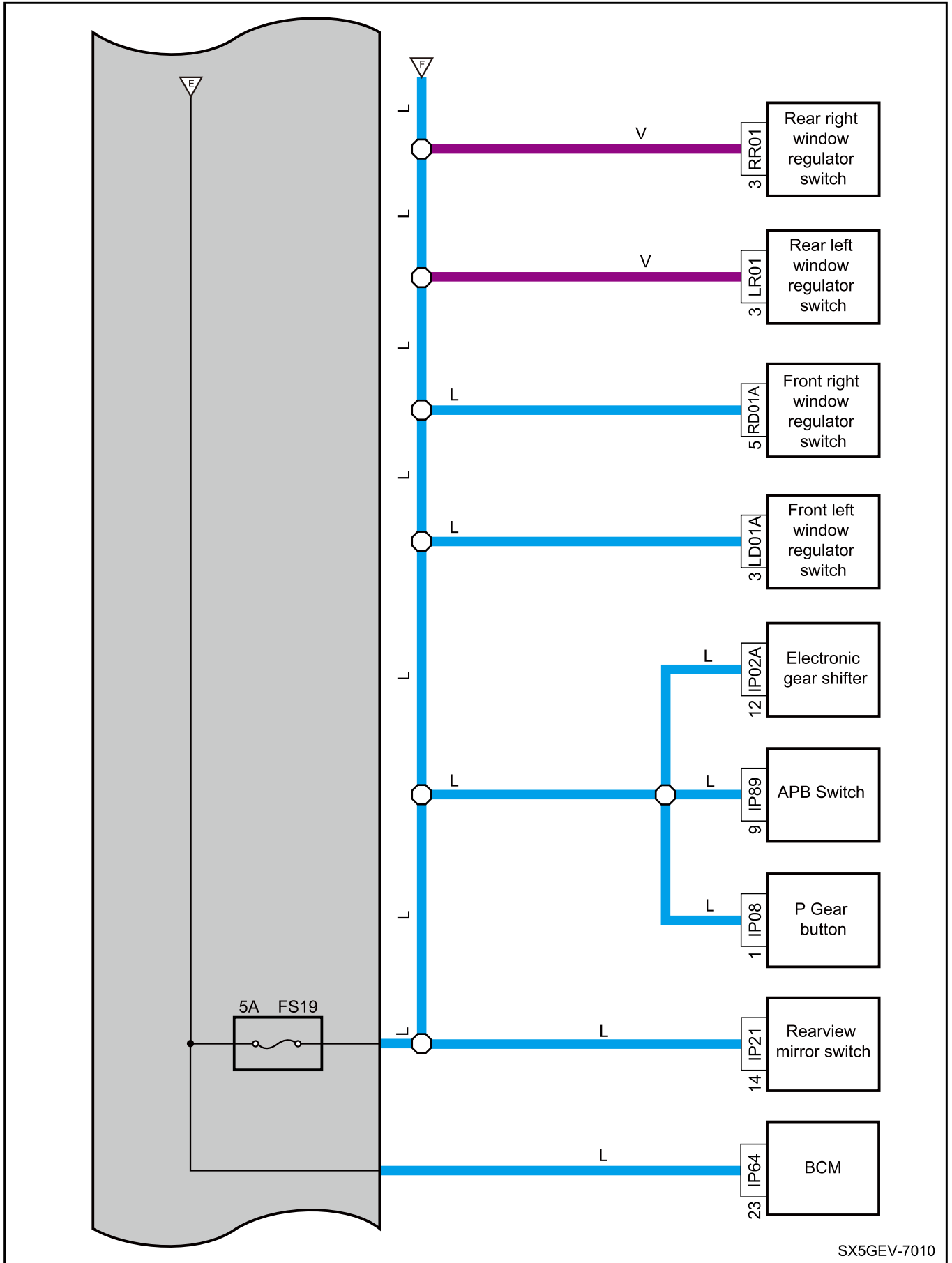


Power Distribution Diagram of Interior Fuse and Relay Box 2

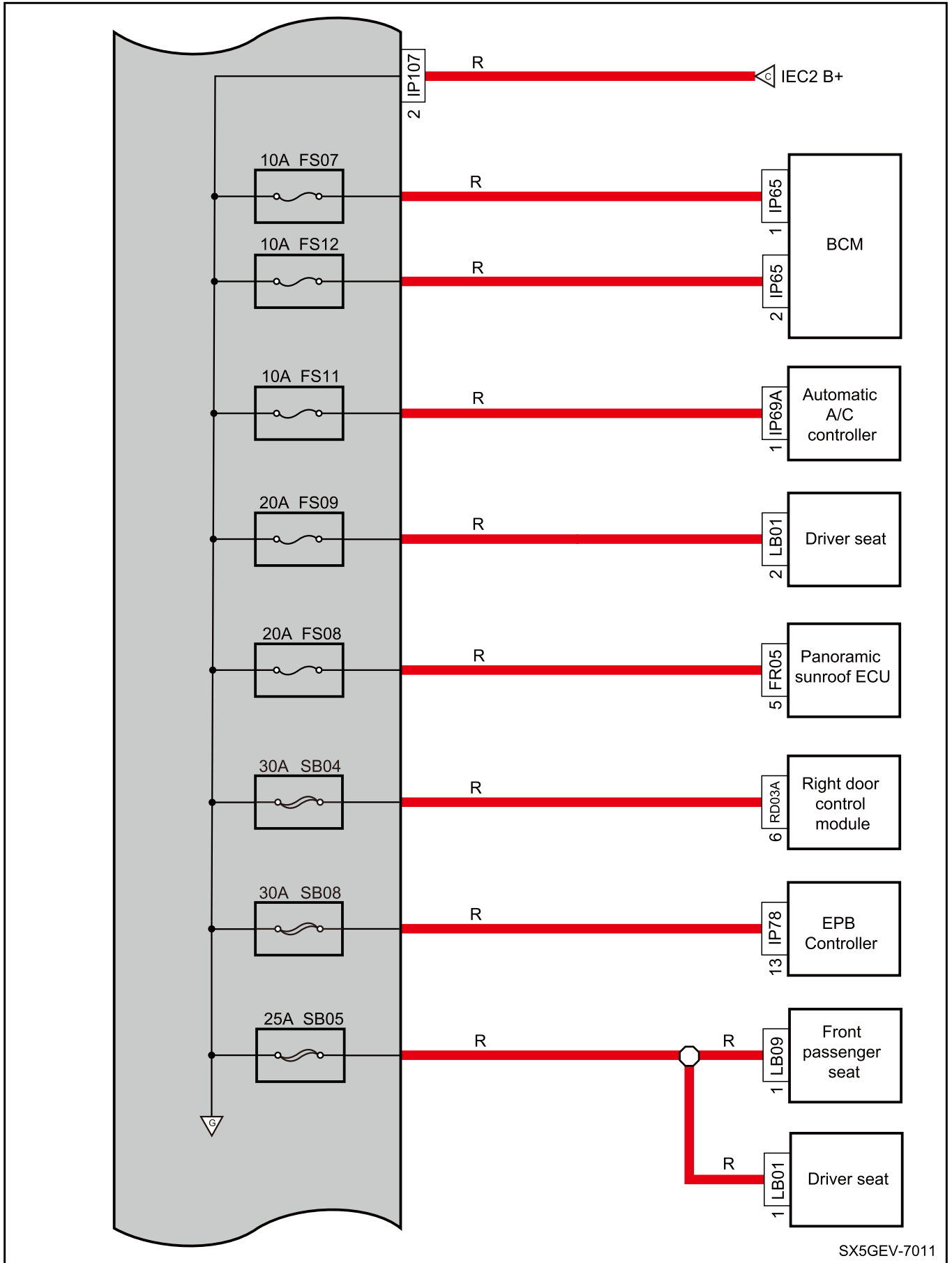


SX5GEV-7009

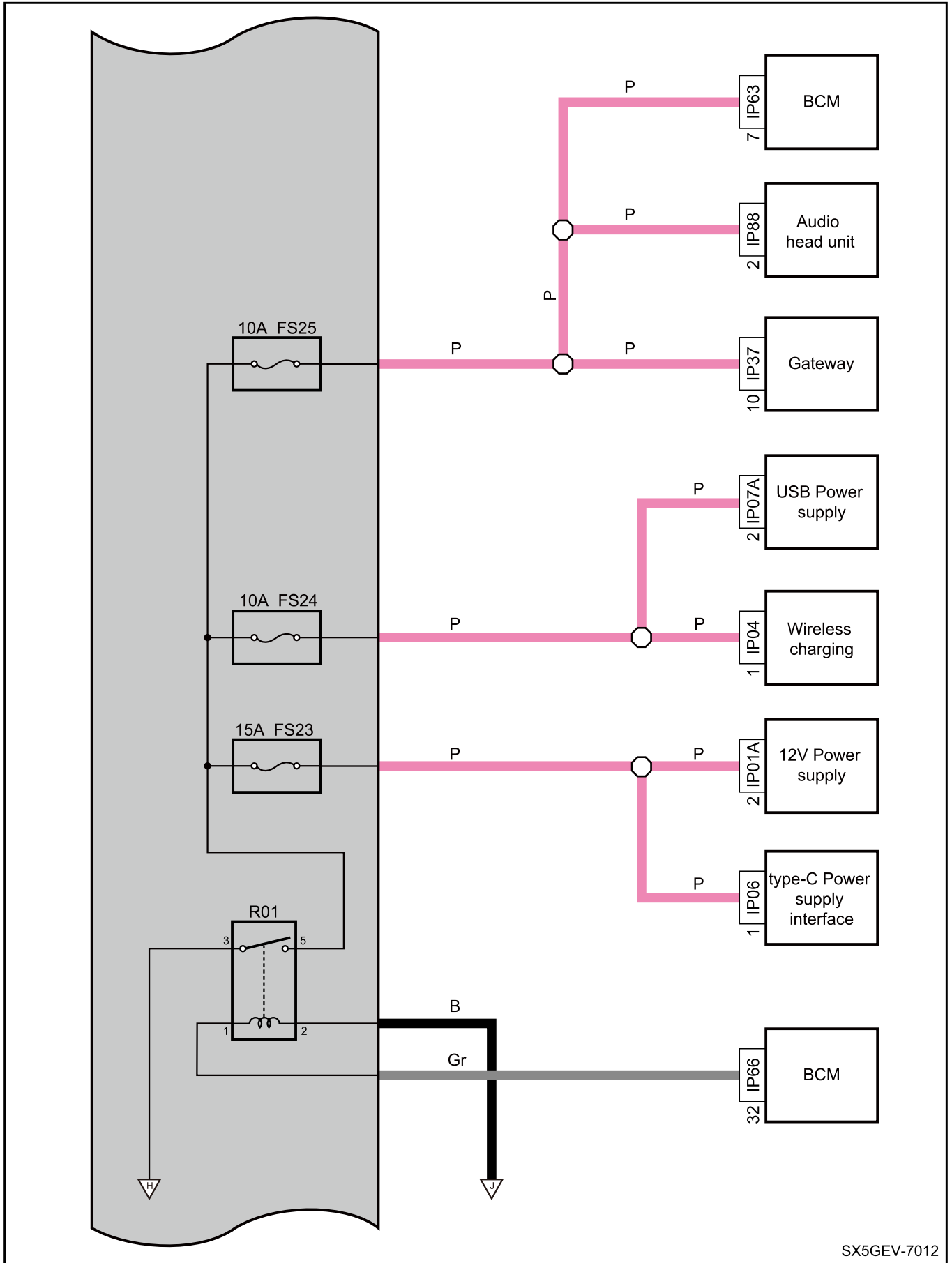
Power Distribution Diagram of Interior Fuse and Relay Box 3



Power Distribution Diagram of Interior Fuse and Relay Box 4

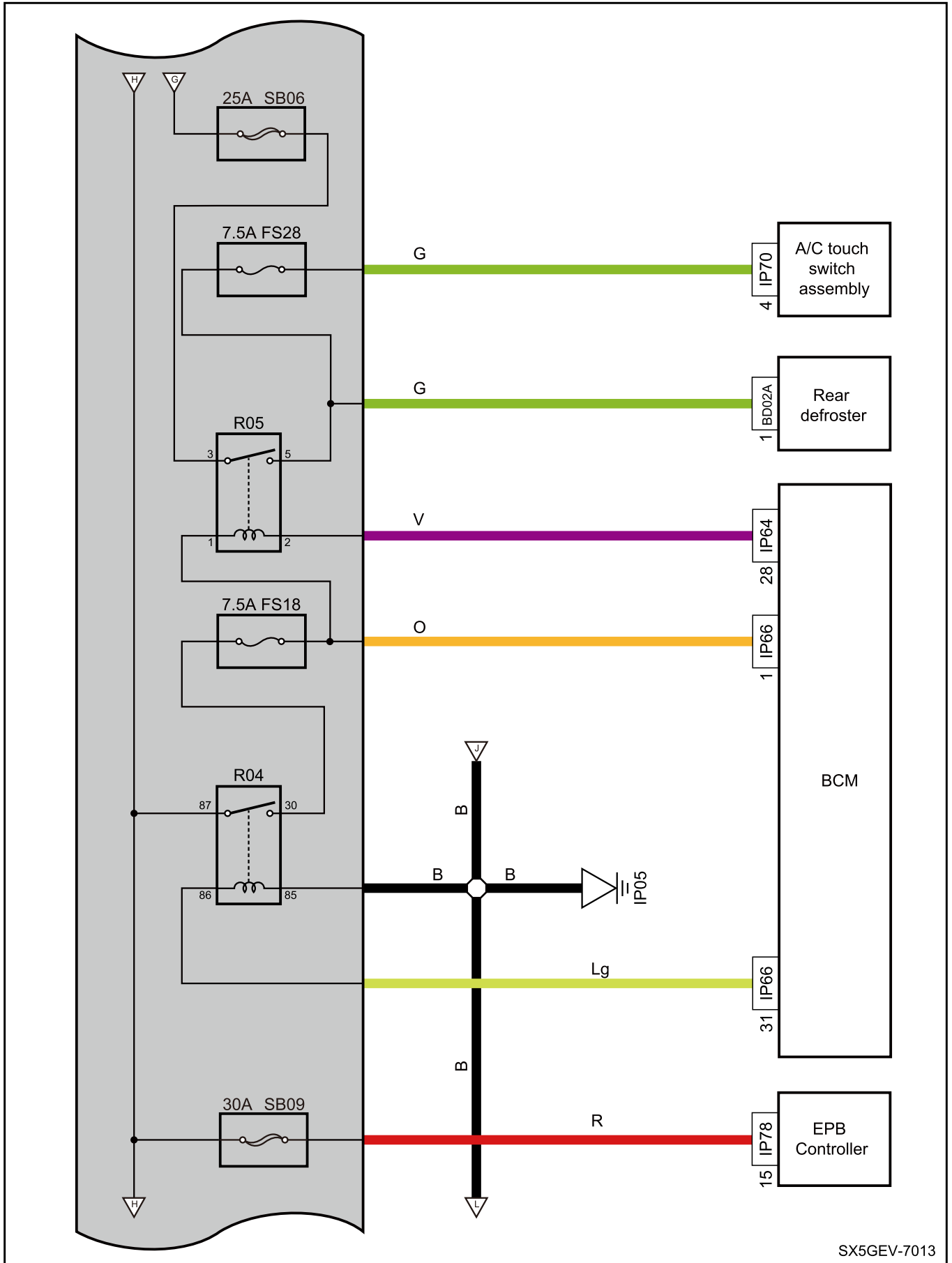


Power Distribution Diagram of Interior Fuse and Relay Box 5

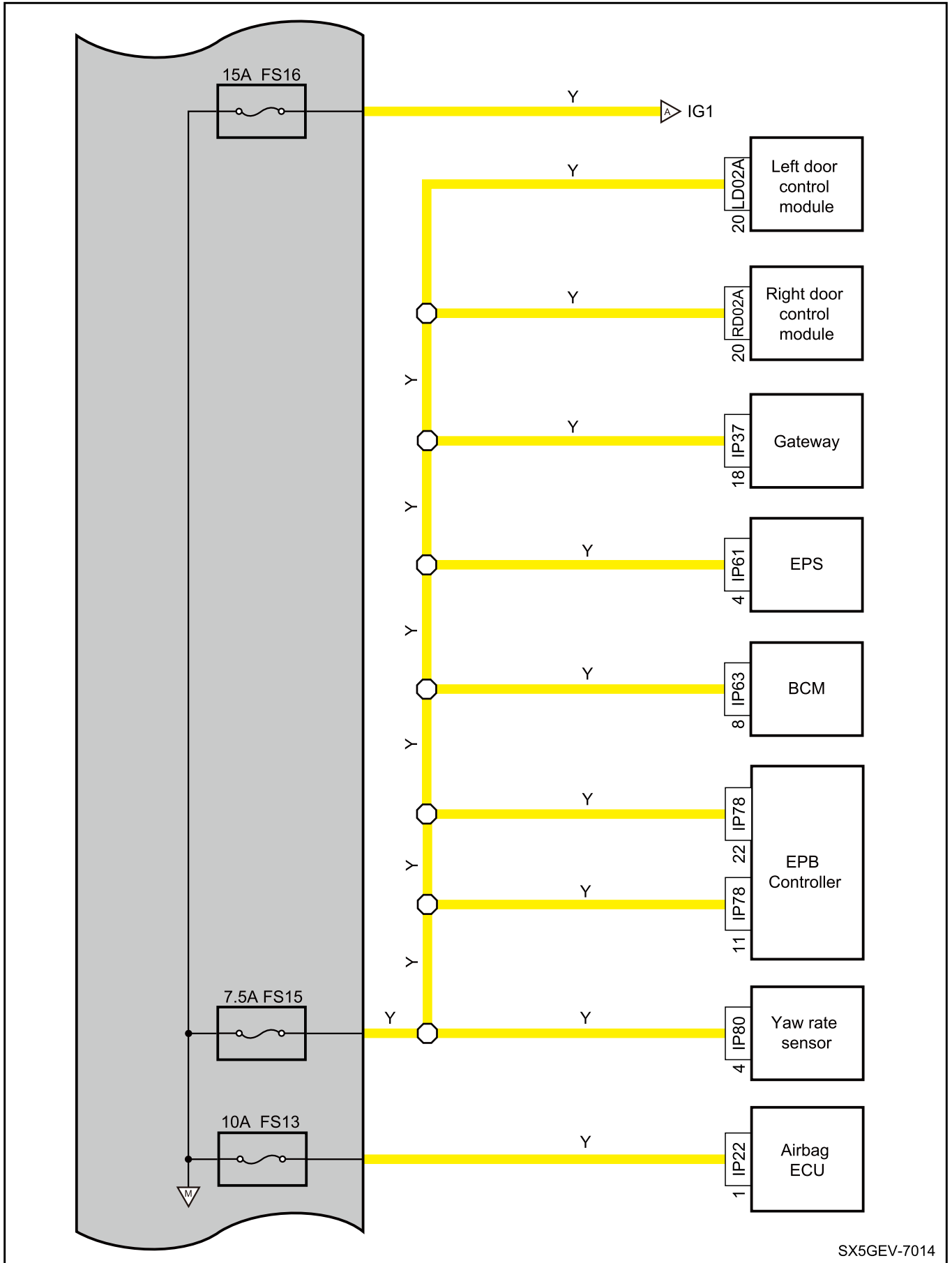


SX5GEV-7012

Power Distribution Diagram of Interior Fuse and Relay Box 6

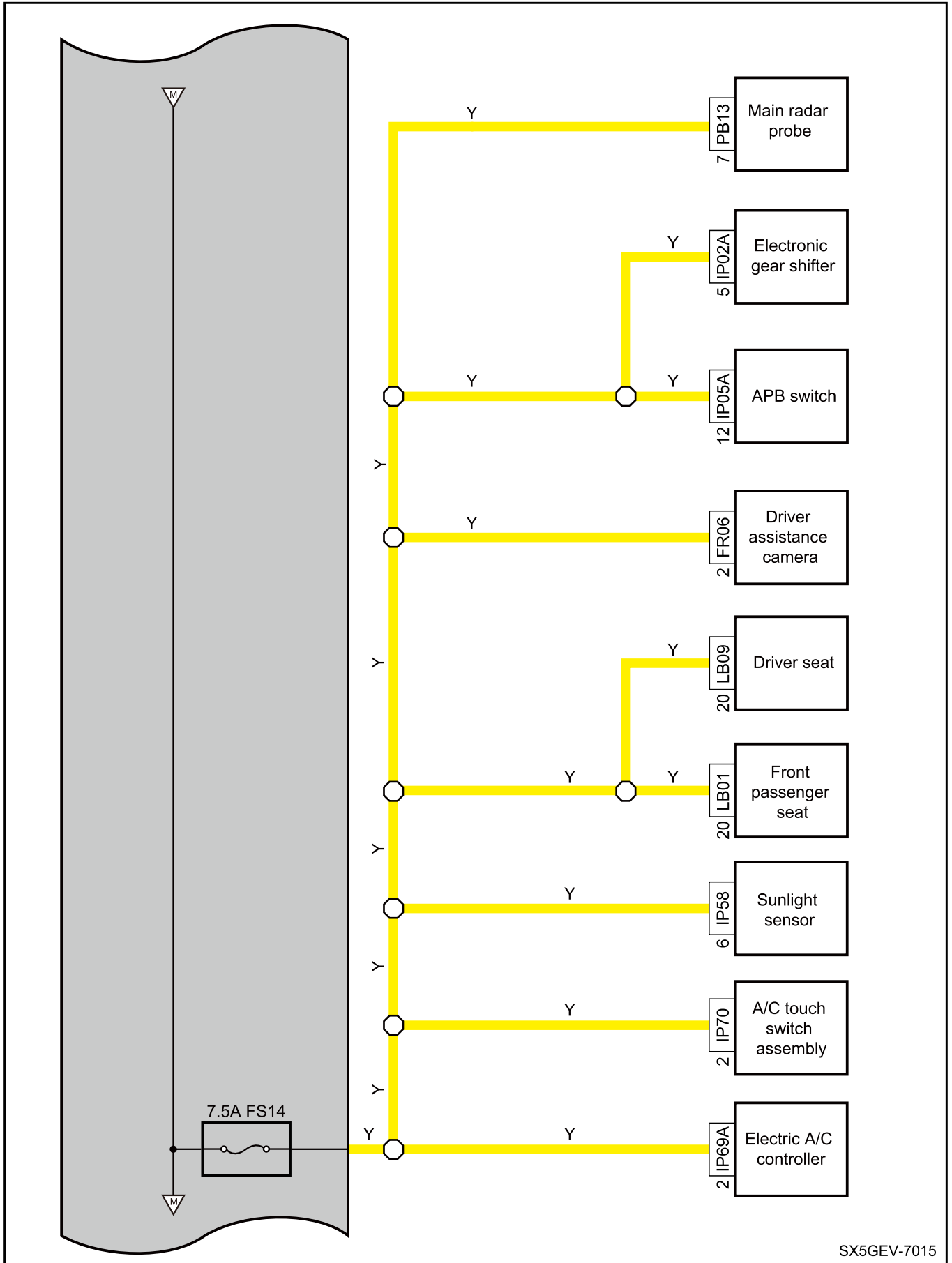


Power Distribution Diagram of Interior Fuse and Relay Box 7



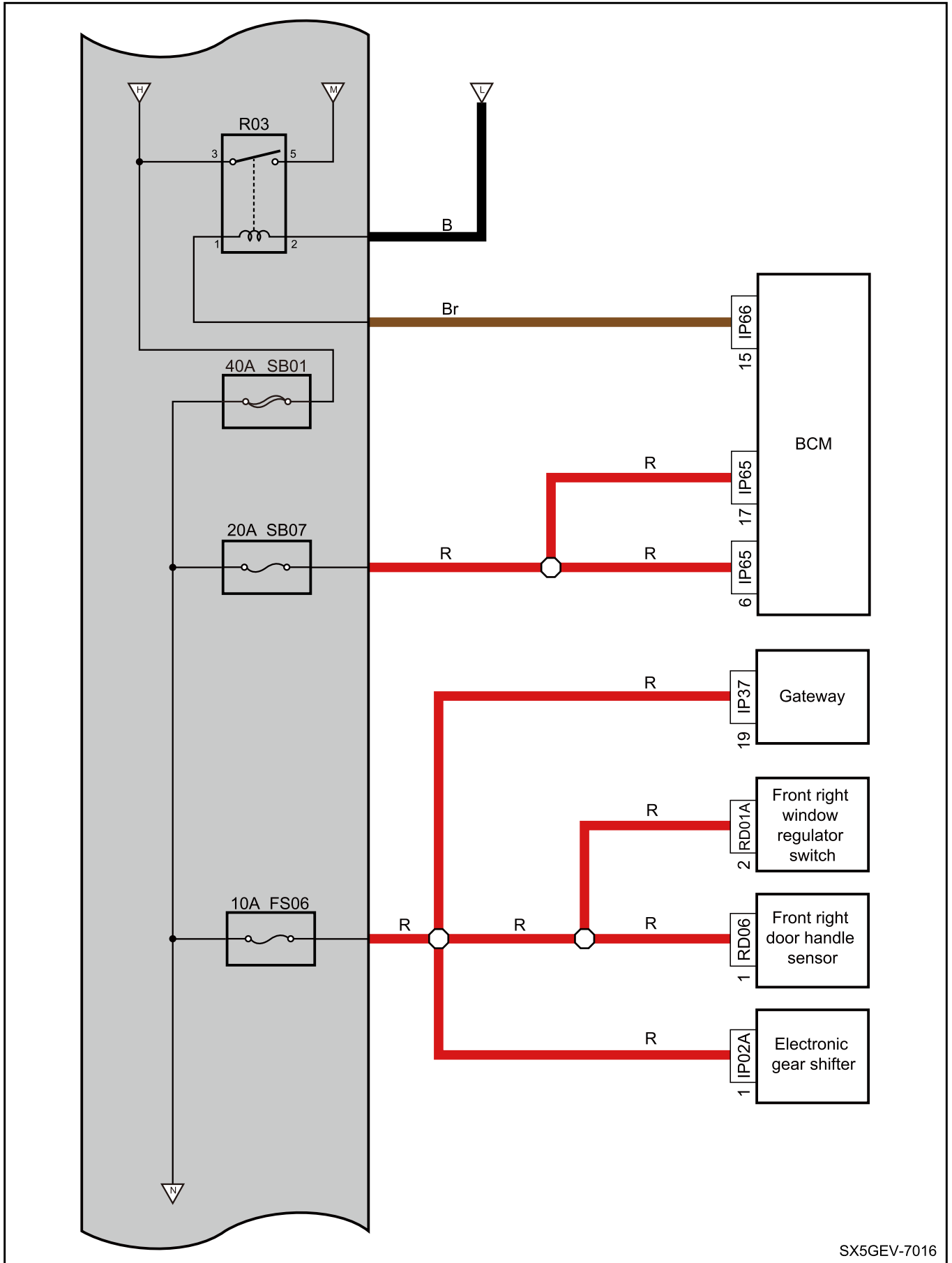
SX5GEV-7014

Power Distribution Diagram of Interior Fuse and Relay Box 8

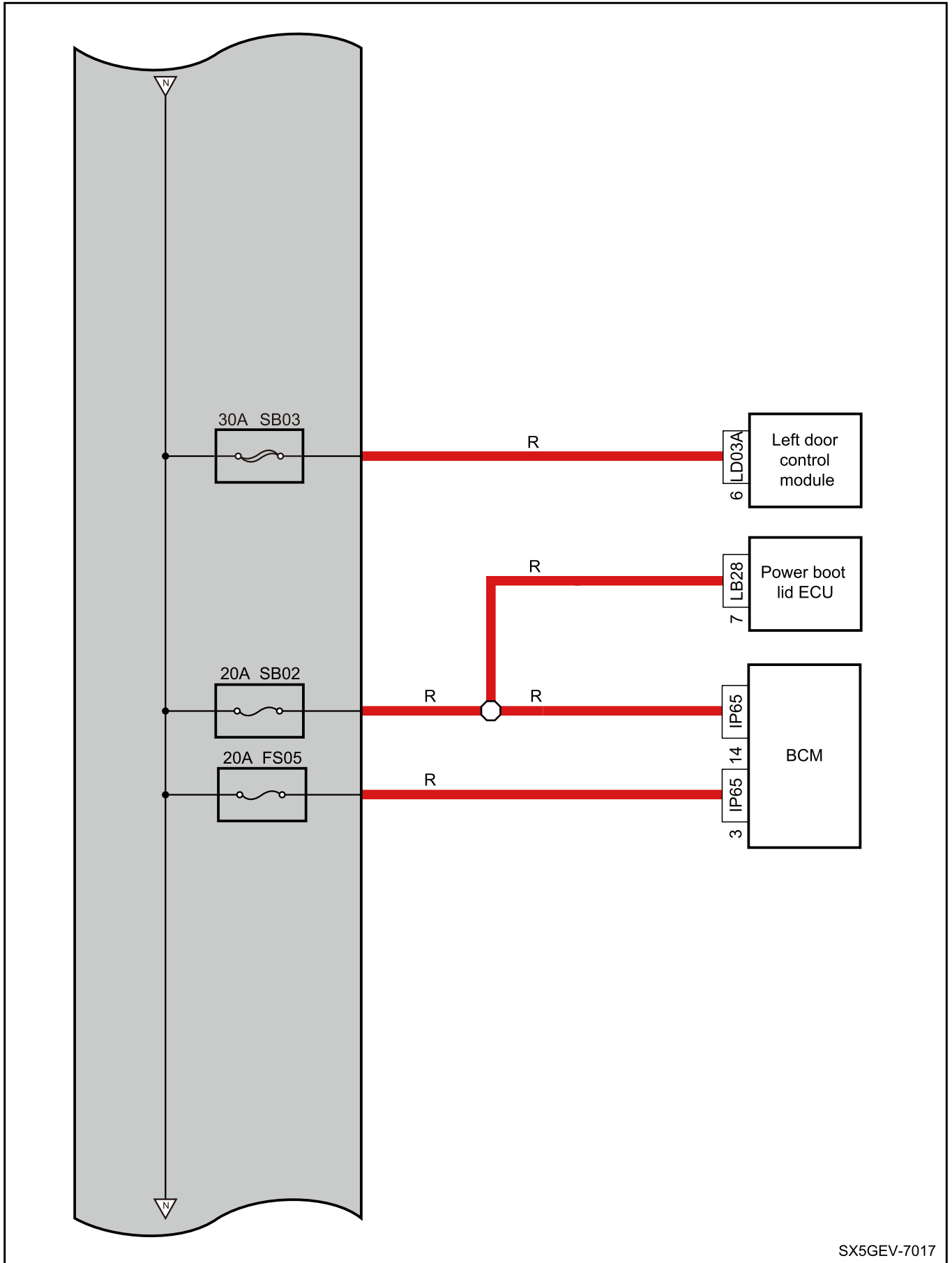


SX5GEV-7015

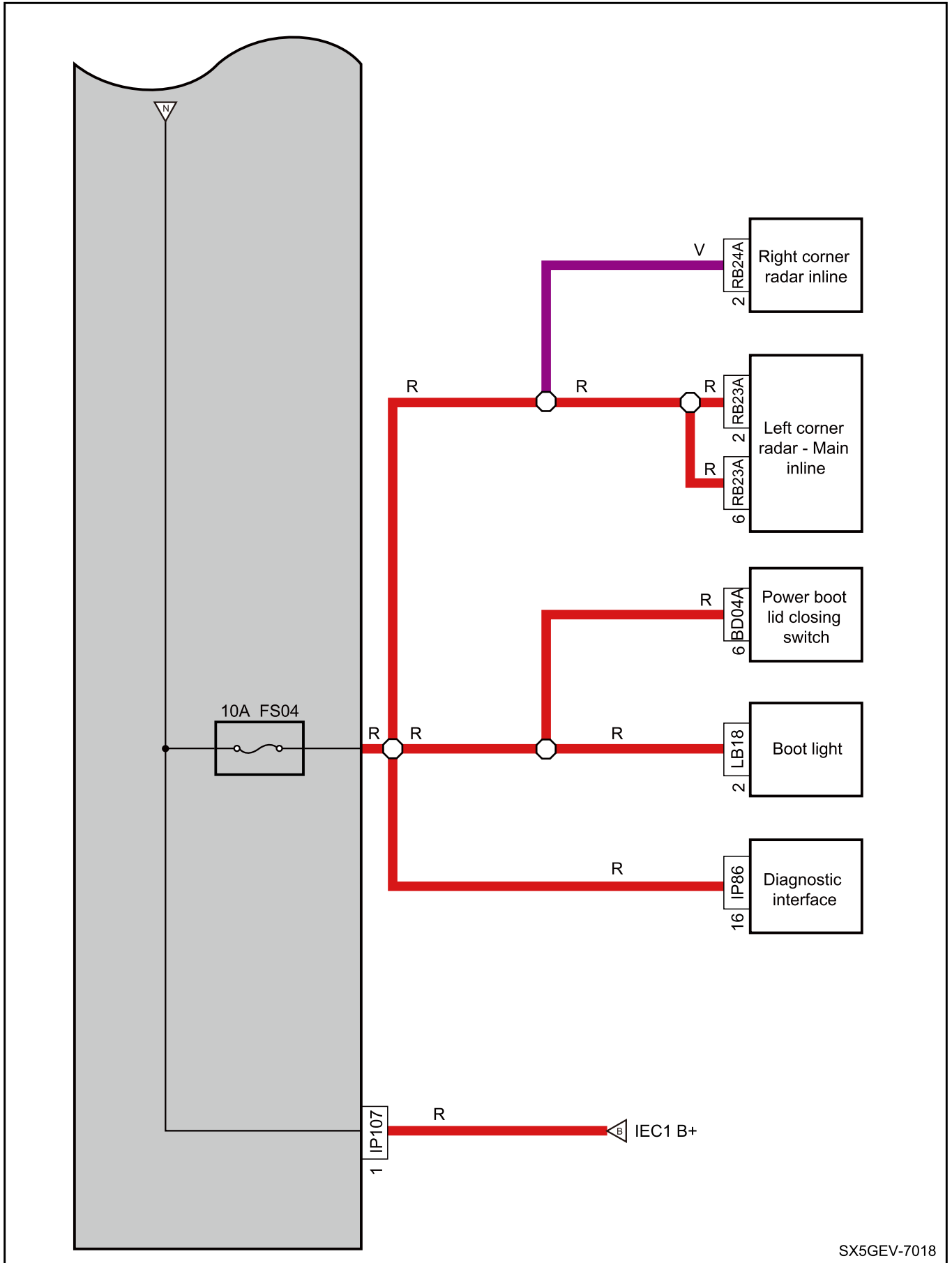
Power Distribution Diagram of Interior Fuse and Relay Box 9



Power Distribution Diagram of Interior Fuse and Relay Box 10



Power Distribution Diagram of Interior Fuse and Relay Box 11



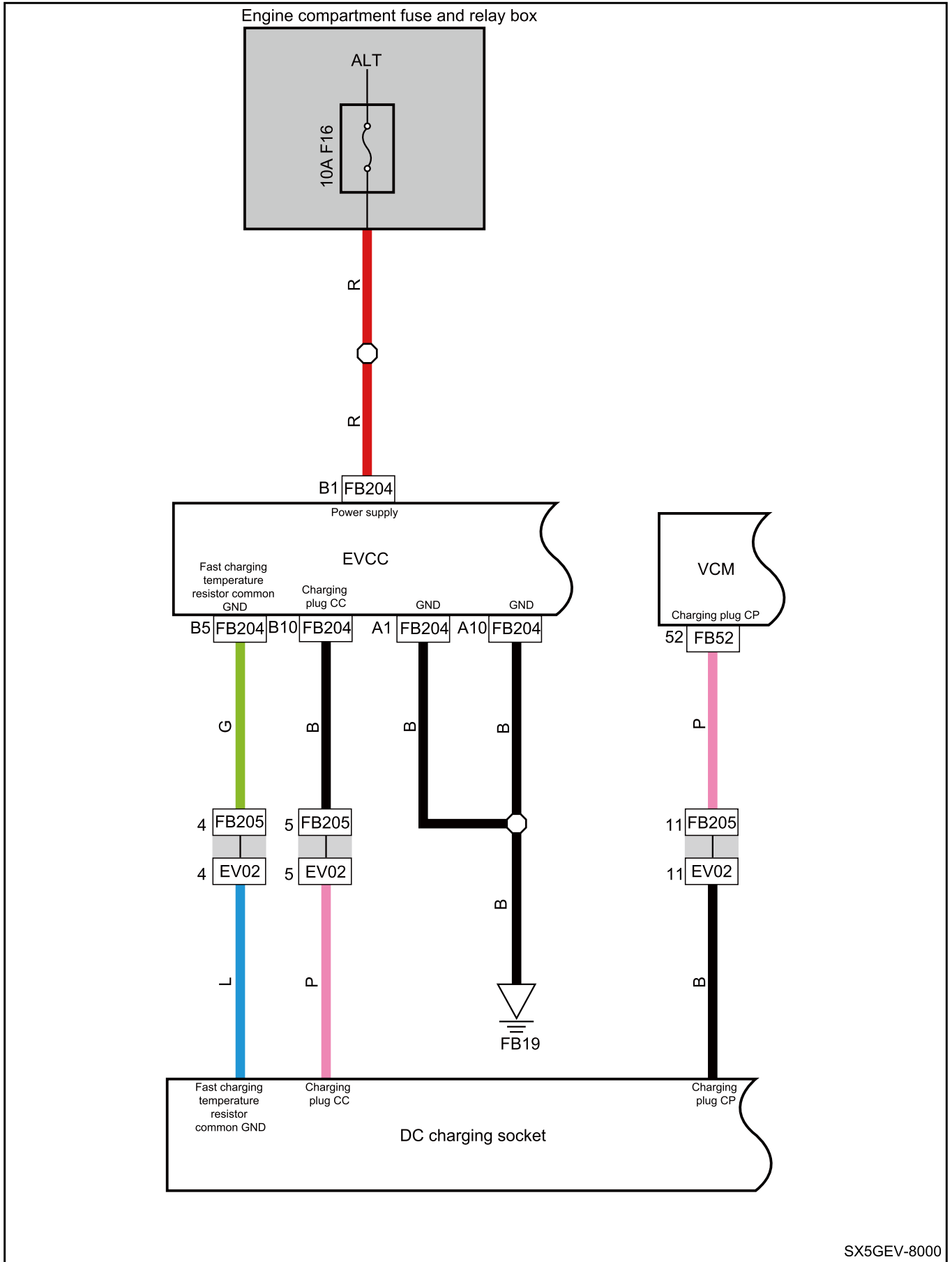
SX5GEV-7018

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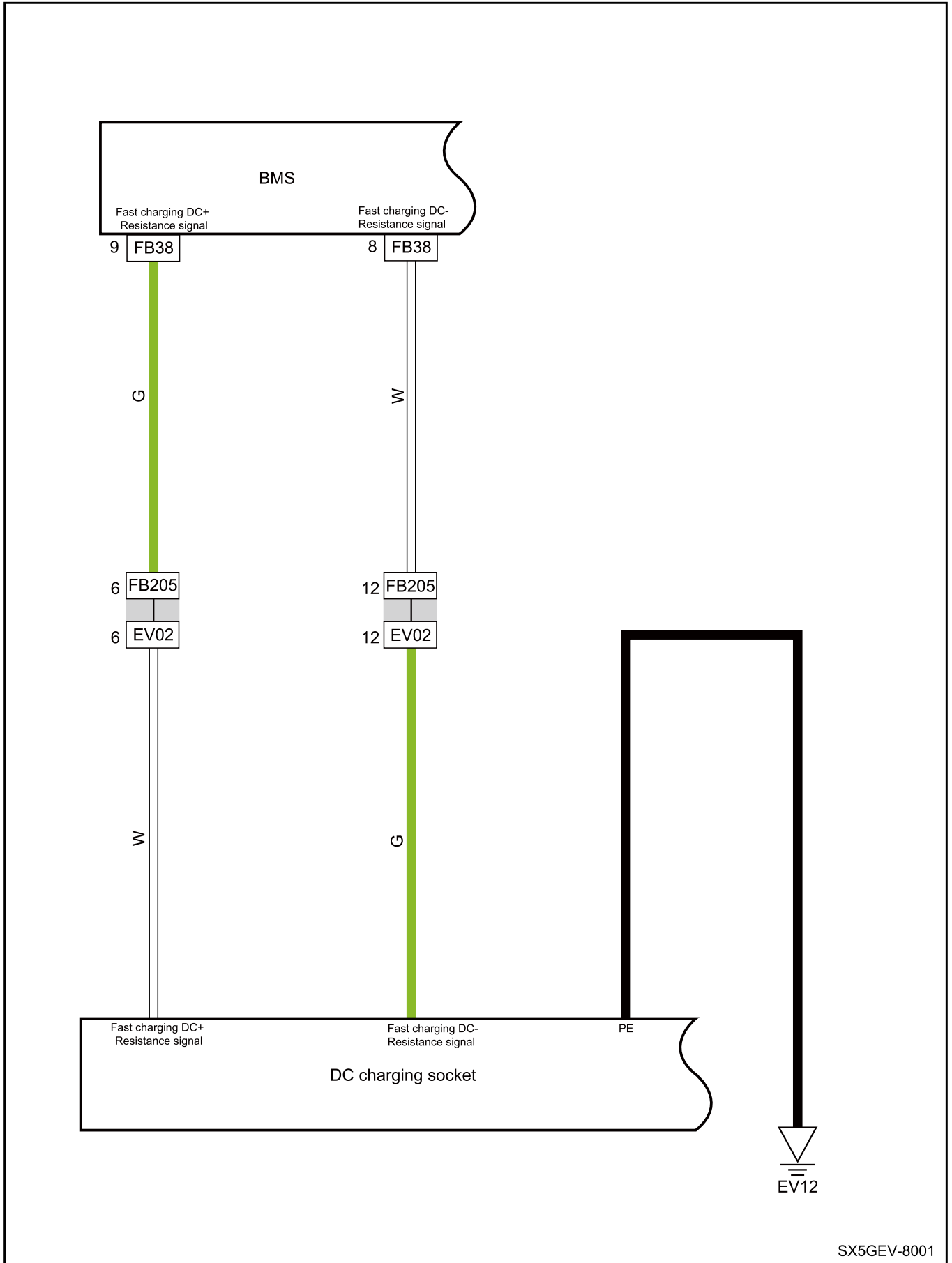
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DC charging socket system 1



Harness connector	Name	Page
EV02	Charging harness - engine compartment harness	117
FB52	VCM A	31
FB204	EVCC	31
FB205	Engine compartment harness-charging harness	31

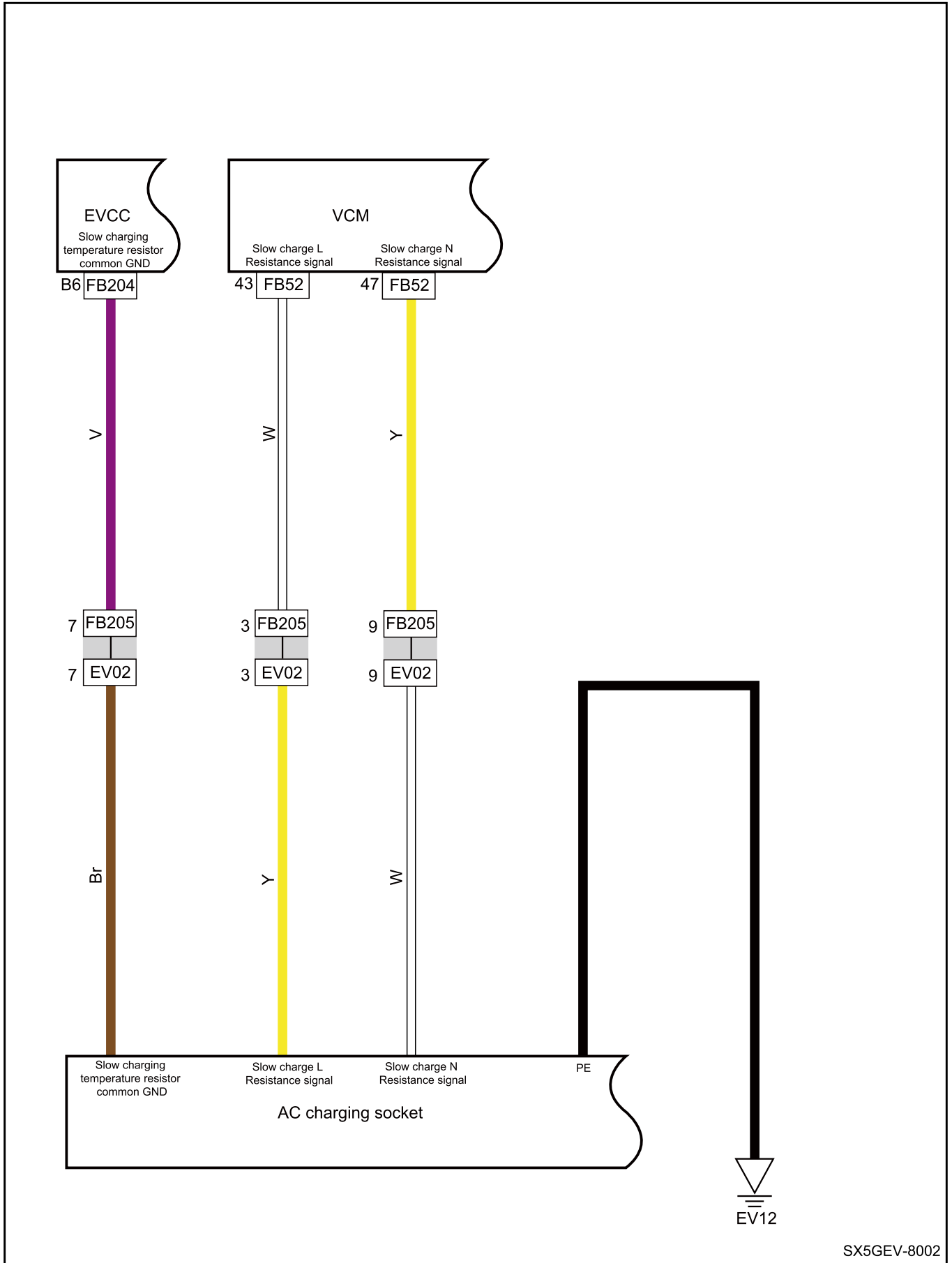
DC charging socket system 2



SX5GEV-8001

Harness connector	Name	Page
EV02	Charging harness - engine compartment harness	117
EV12	GND point	122
FB38	BMS	31
FB204	EVCC	31
FB205	Engine compartment harness-charging harness	31

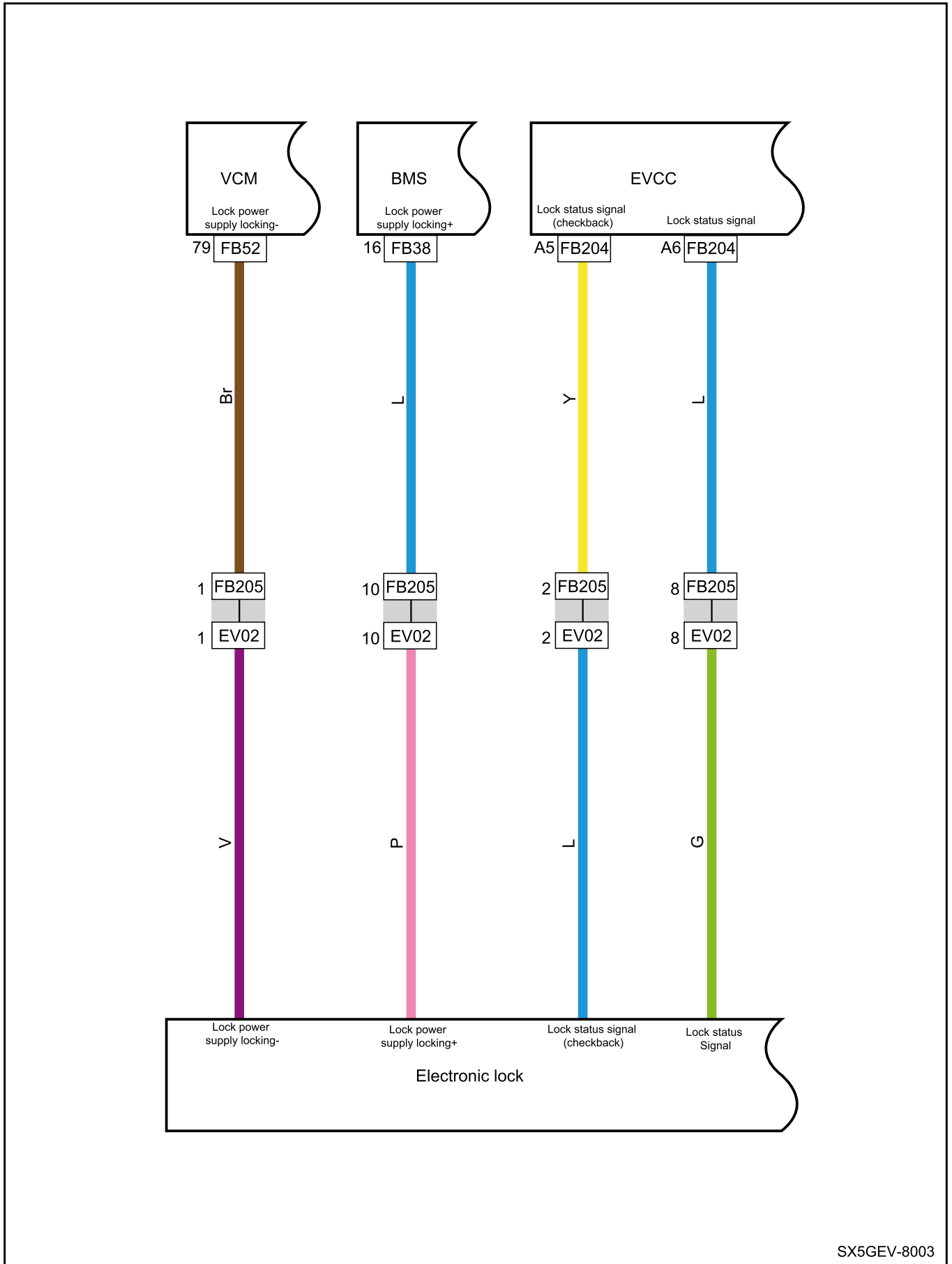
AC charging socket system



SX5GEV-8002

Harness connector	Name	Page
EV02	Charging harness - engine compartment harness	117
EV12	GND point	122
FB52	VCM A	31
FB204	EVCC	31
FB205	Engine compartment harness-charging harness	31

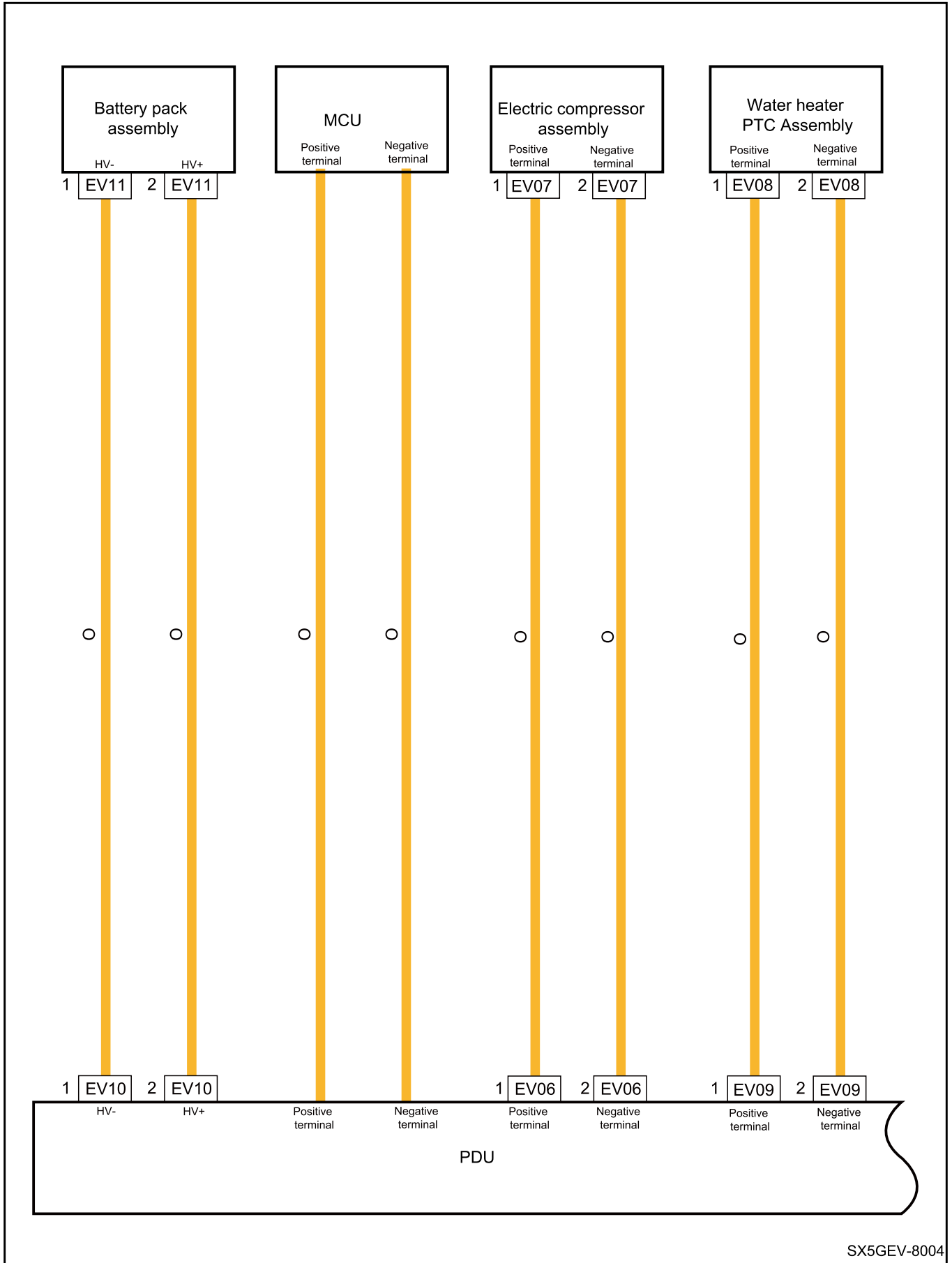
Electronic lock



SX5GEV-8003

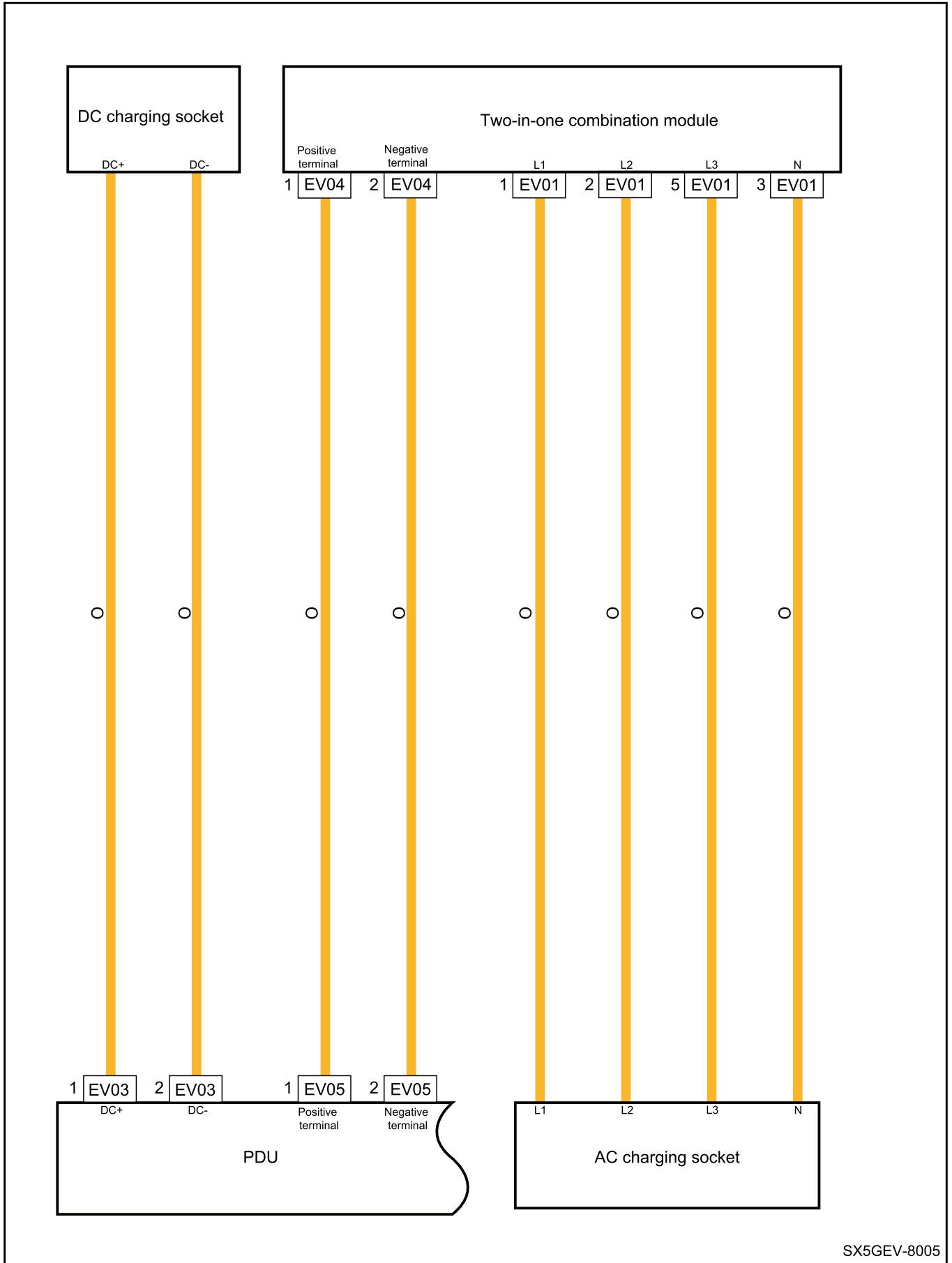
Harness connector	Name	Page
EV02	Charging harness - engine compartment harness	117
FB38	BMS	31
FB52	VCM A	31
FB204	EVCC	31
FB205	Engine compartment harness-charging harness	31

High-voltage Distribution System 1



Harness connector	Name	Page
EV06	PDU	117
EV07	Electric compressor assembly	117
EV08	Water heater PTC assembly	117
EV09	PDU	117
EV10	PDU	117
EV11	Power battery pack assembly	117

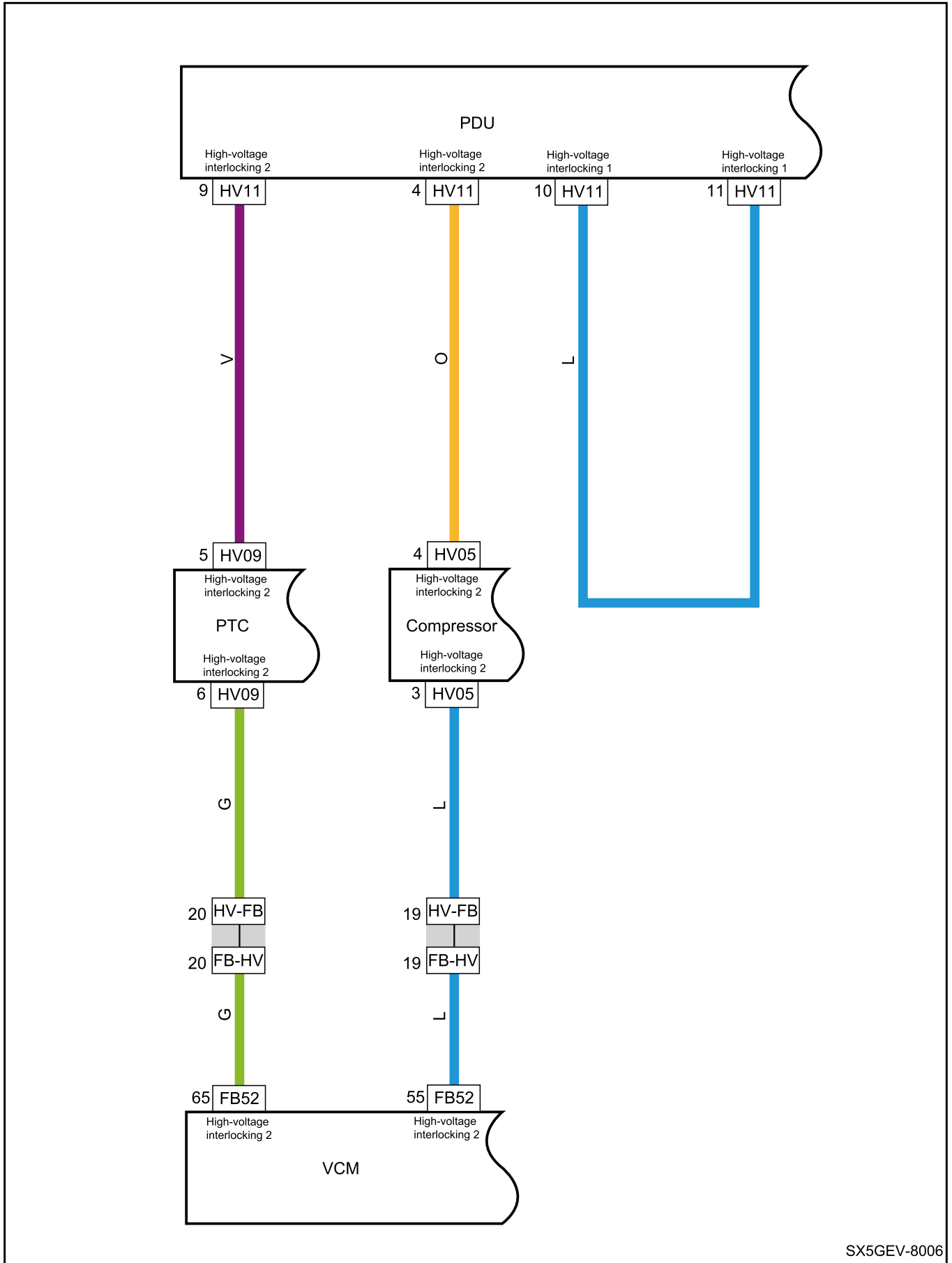
High-voltage Distribution System 2



SX5GEV-8005

Harness connector	Name	Page
EV01	Two-in-one combination module	117
EV03	Power battery pack assembly	117
EV04	Two-in-one combination module	117
EV05	PDU	117

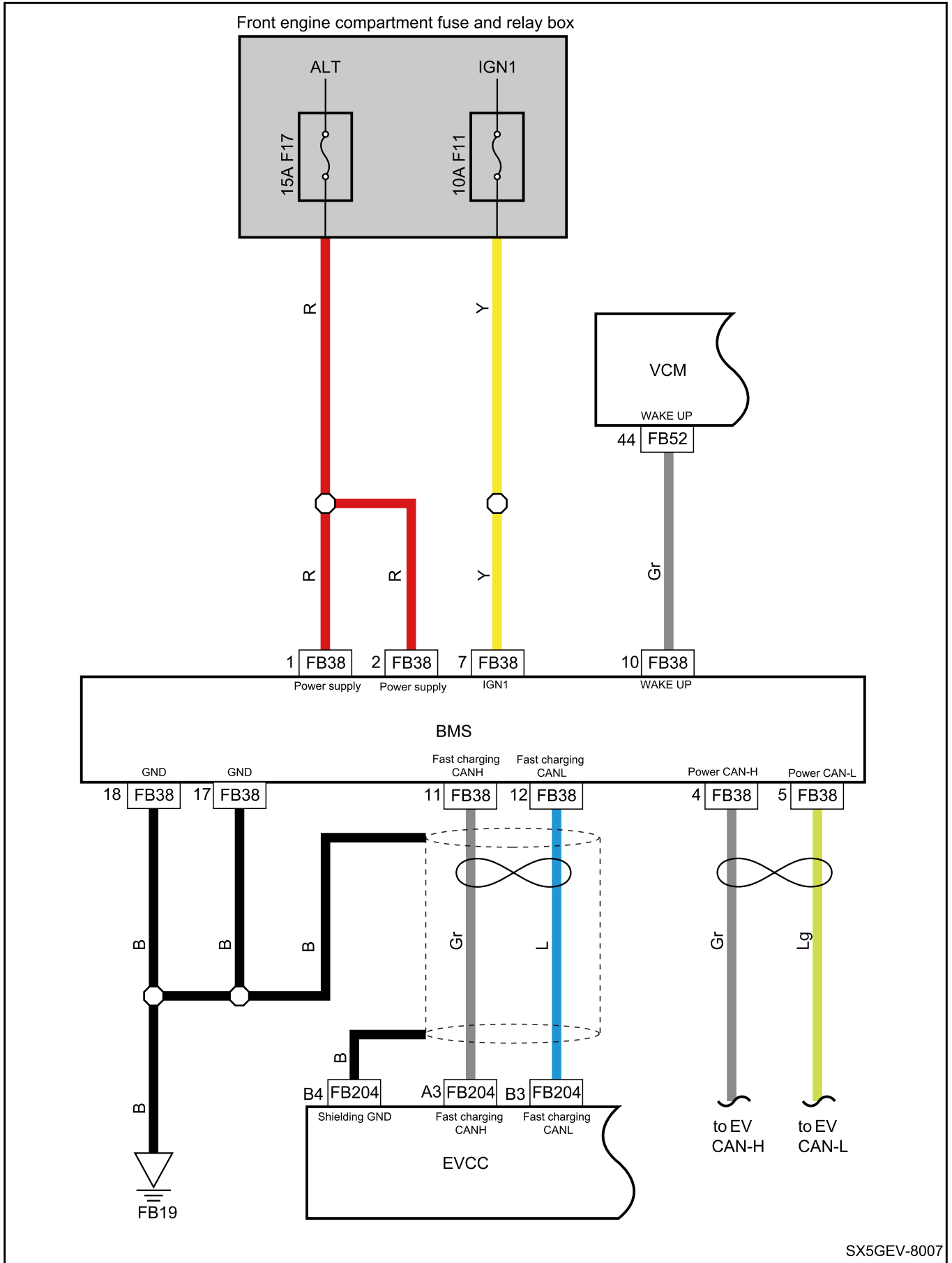
High-voltage interlocking system



SX5GEV-8006

Harness connector	Name	Page
FB52	VCM A	31
FB-HV	Engine compartment harness - high-voltage system low-voltage control harness	31
HV05	Compressor	26
HV09	PTC	26
HV11	PDU	26
HV-FB	Low-voltage control harness of high-voltage system - engine compartment harness	26

Power battery control system

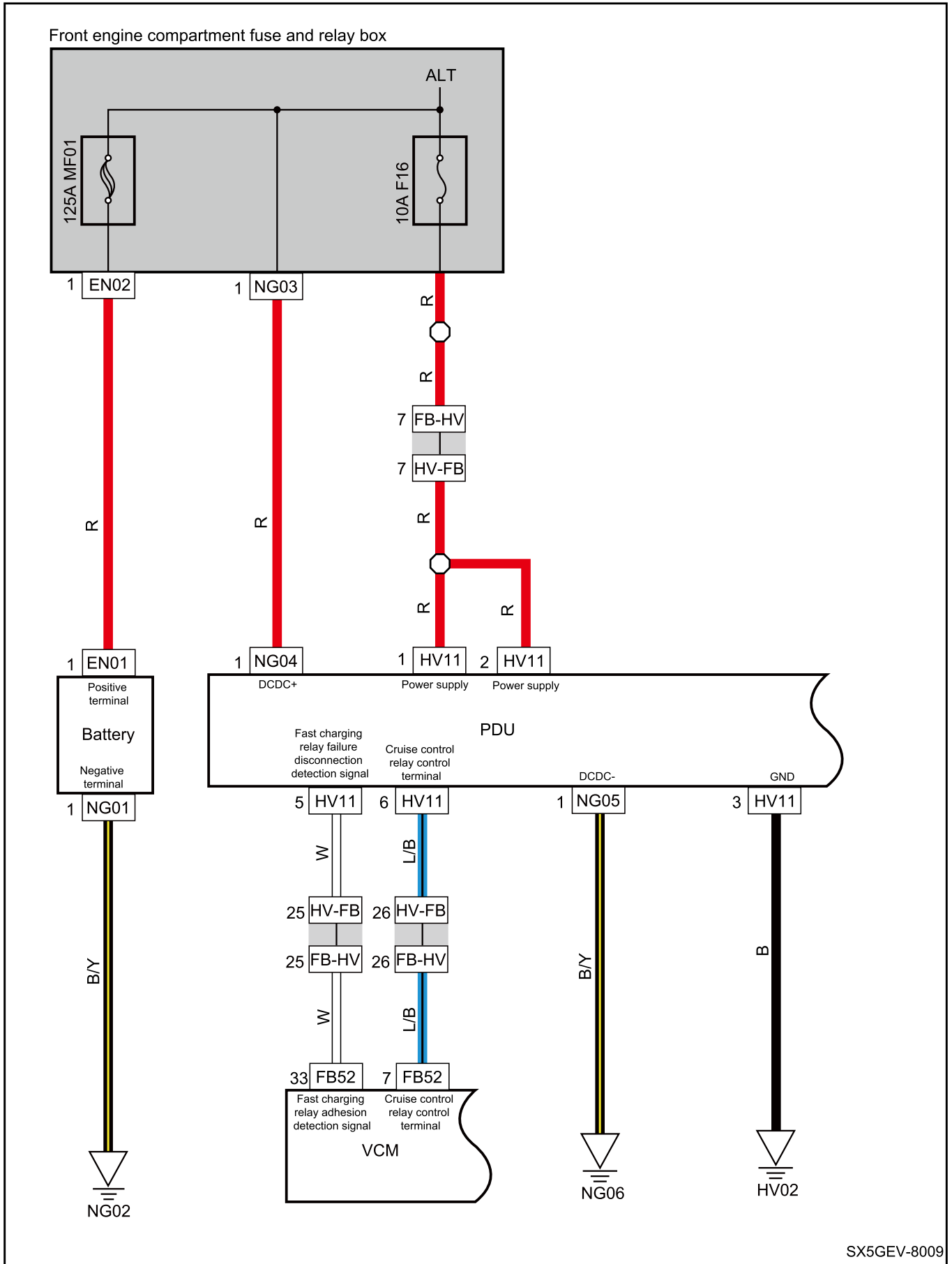


SX5GEV-8007

Harness connector	Name	Page
FB38	BMS	31
FB52	VCM A	31
FB204	EVCC	31
IP07	GND point 10	125

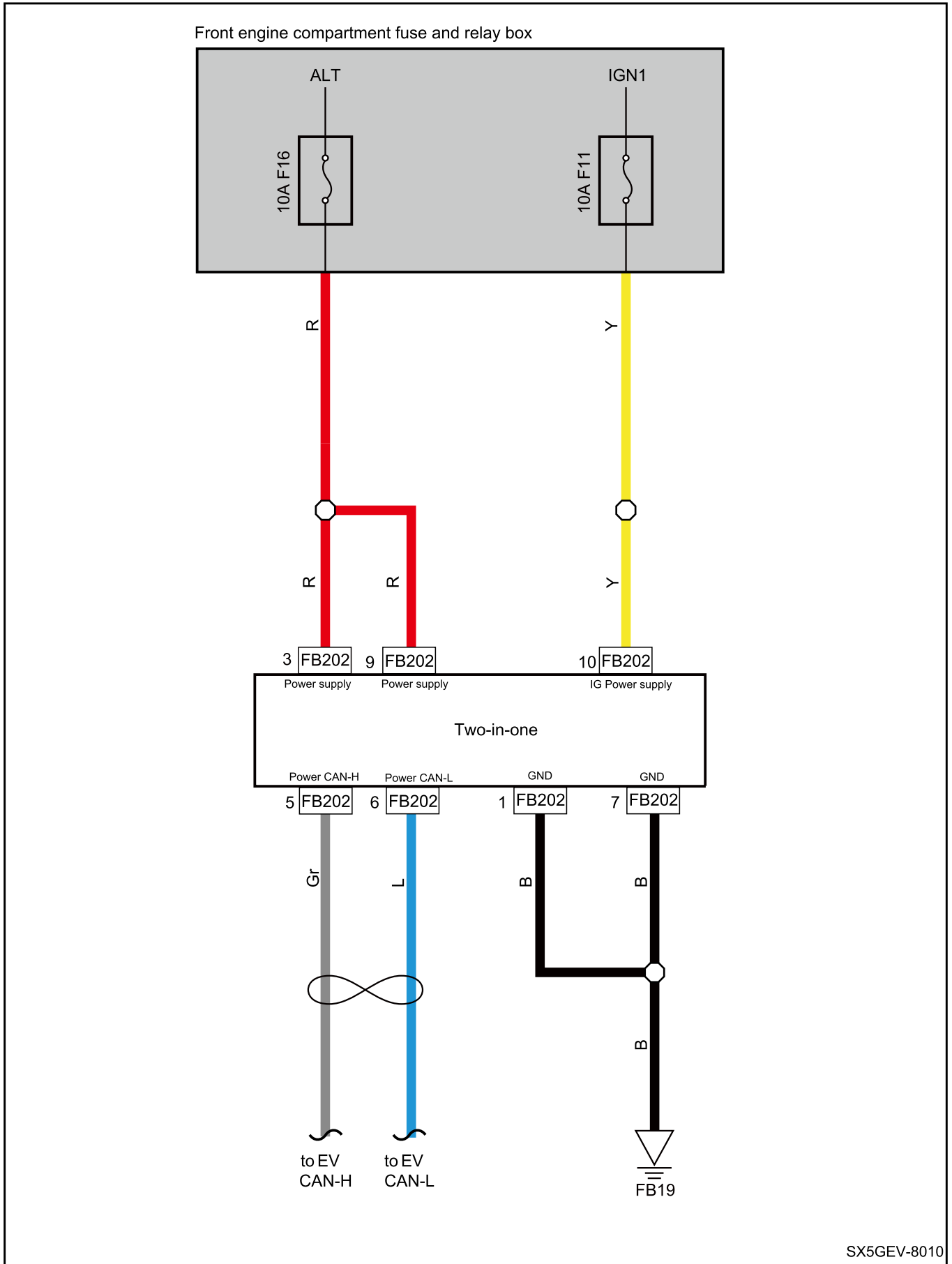
Harness connector	Name	Page
FB19	GND point 6	123
FB52	VCM A	31
FB-HV	Engine compartment harness - high-voltage system low-voltage control harness	31
HV15	MCU	26
HV-FB	Low-voltage control harness of high-voltage system - engine compartment harness	26

PDU



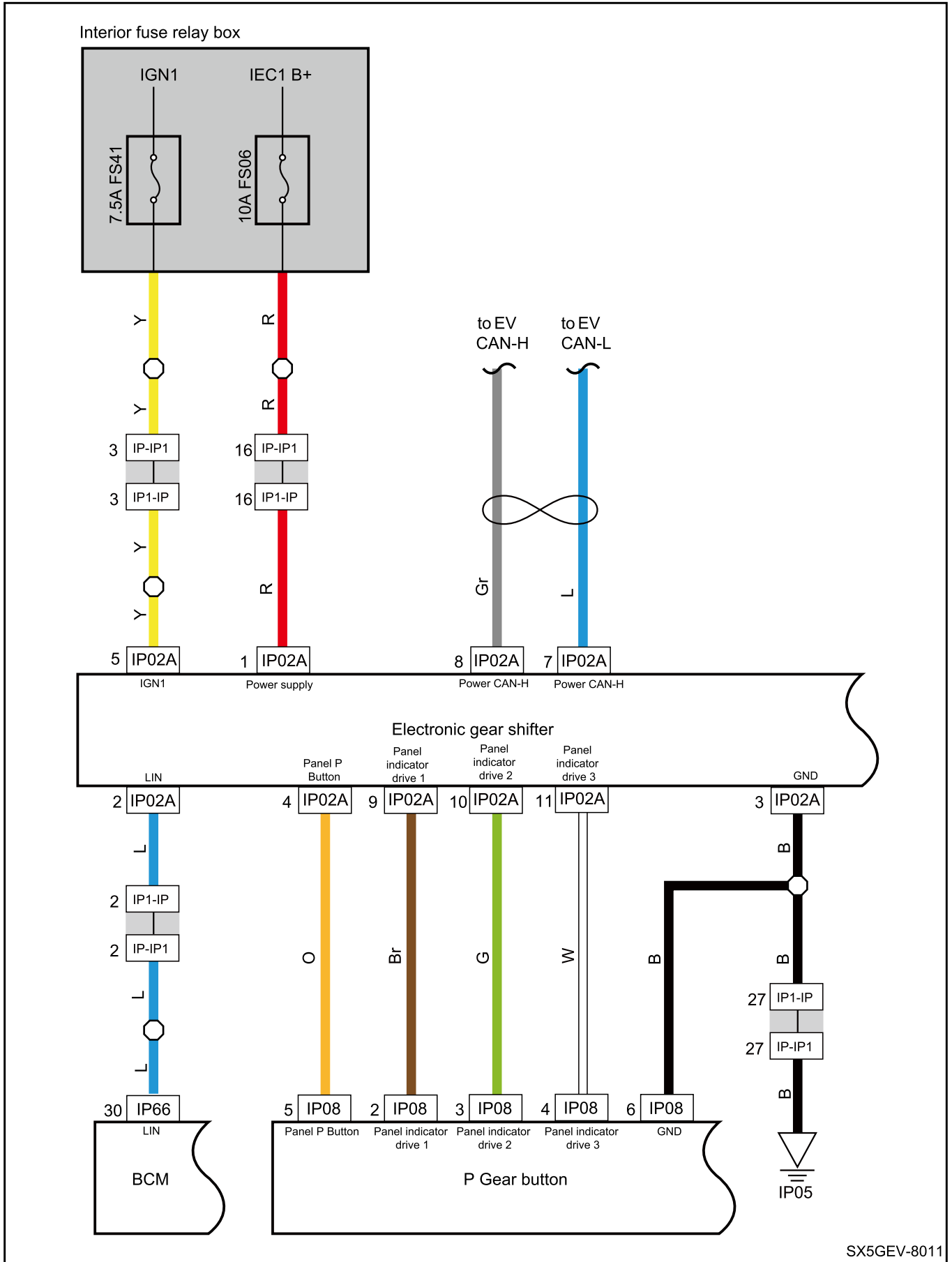
Harness connector	Name	Page
FB52	VCM A	31
FB-HV	Engine compartment harness - high-voltage system low-voltage control harness	31
HV02	Body GND point 2	122
HV11	PDU	26
HV-FB	Low-voltage control harness of high-voltage system - engine compartment harness	26

Two-in-one combination module



Harness connector	Name	Page
FB19	GND point 6	123
FB202	Two-in-one	31

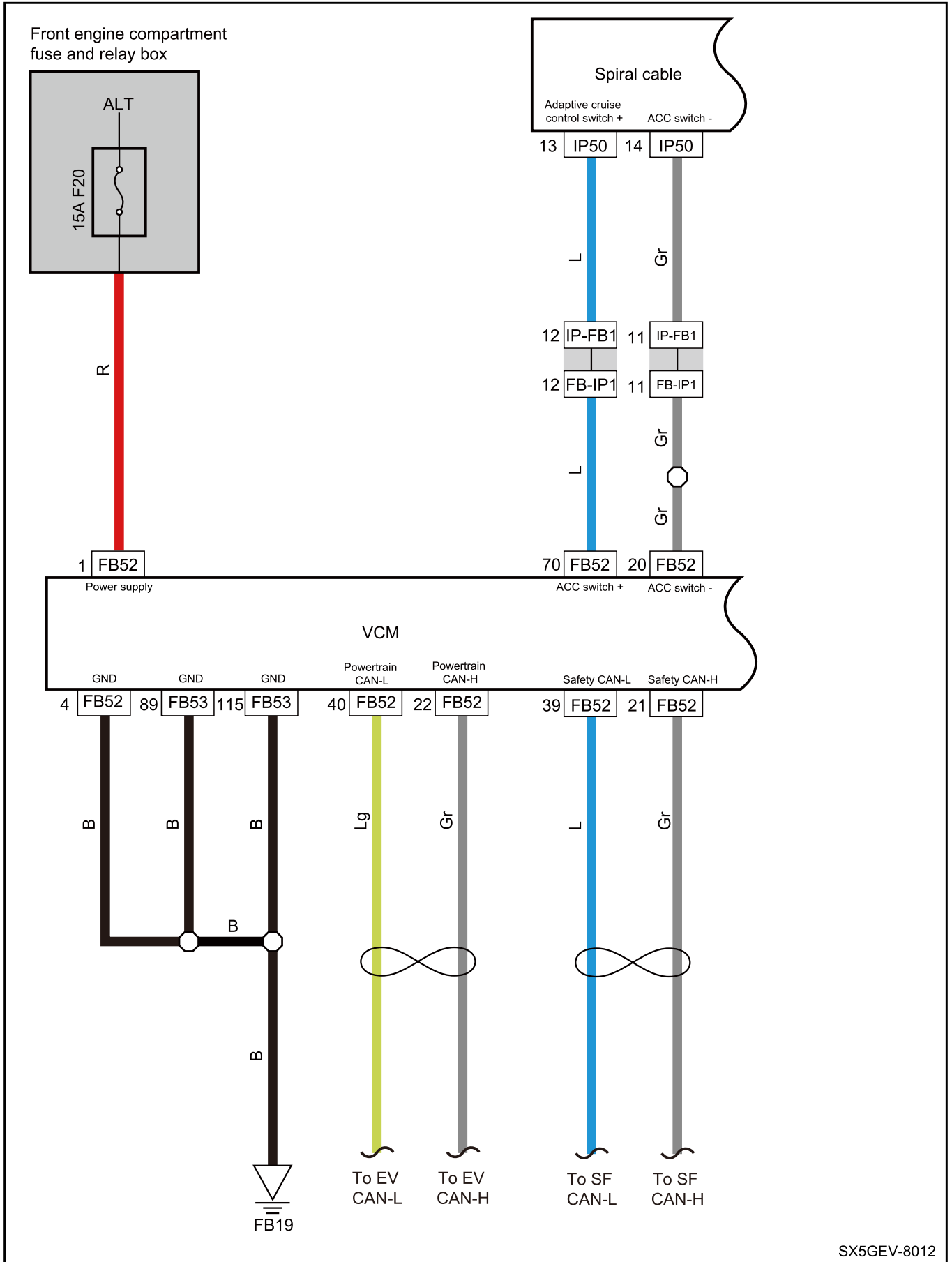
Electronic gear shifter



SX5GEV-8011

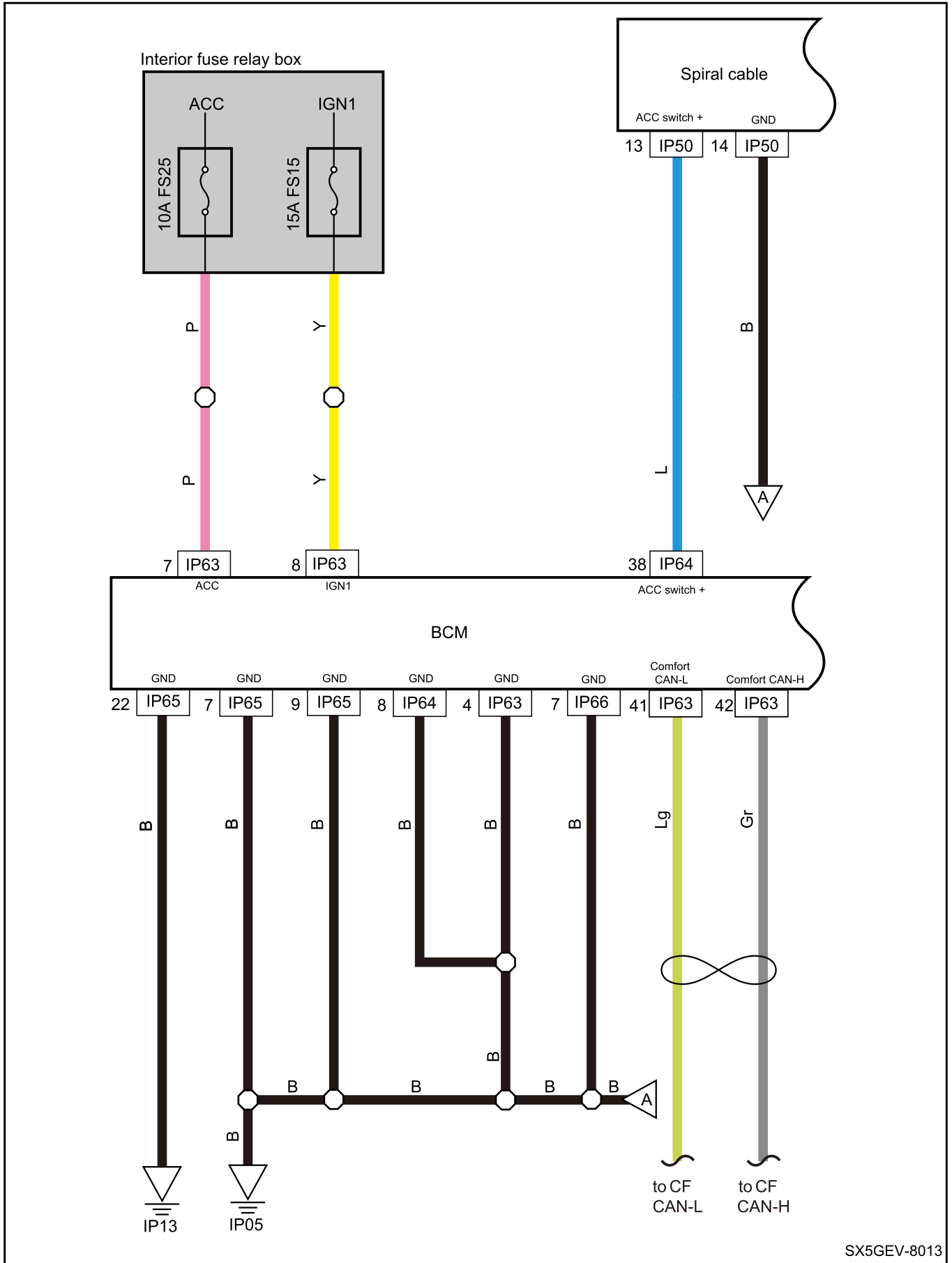
Harness connector	Name	Page
IP02A	Electronic gear shifter	47
IP05	GND point 9	125
IP08	P gear button	47
IP66	BCM-J4	46
IP-IP1	Instrument panel harness – console harness	46
IP1-IP	Console harness – instrument panel harness	47

Cruise control (luxury model)



Harness connector	Name	Page
FB19	GND point 6	123
FB52	VCM A	31
FB53	VCM B	31
FB-IP1	Engine compartment harness - instrument panel harness 1 (right)	31
IP50	Spiral cable	46
IP-FB1	Instrument panel harness - engine compartment harness (right)	46

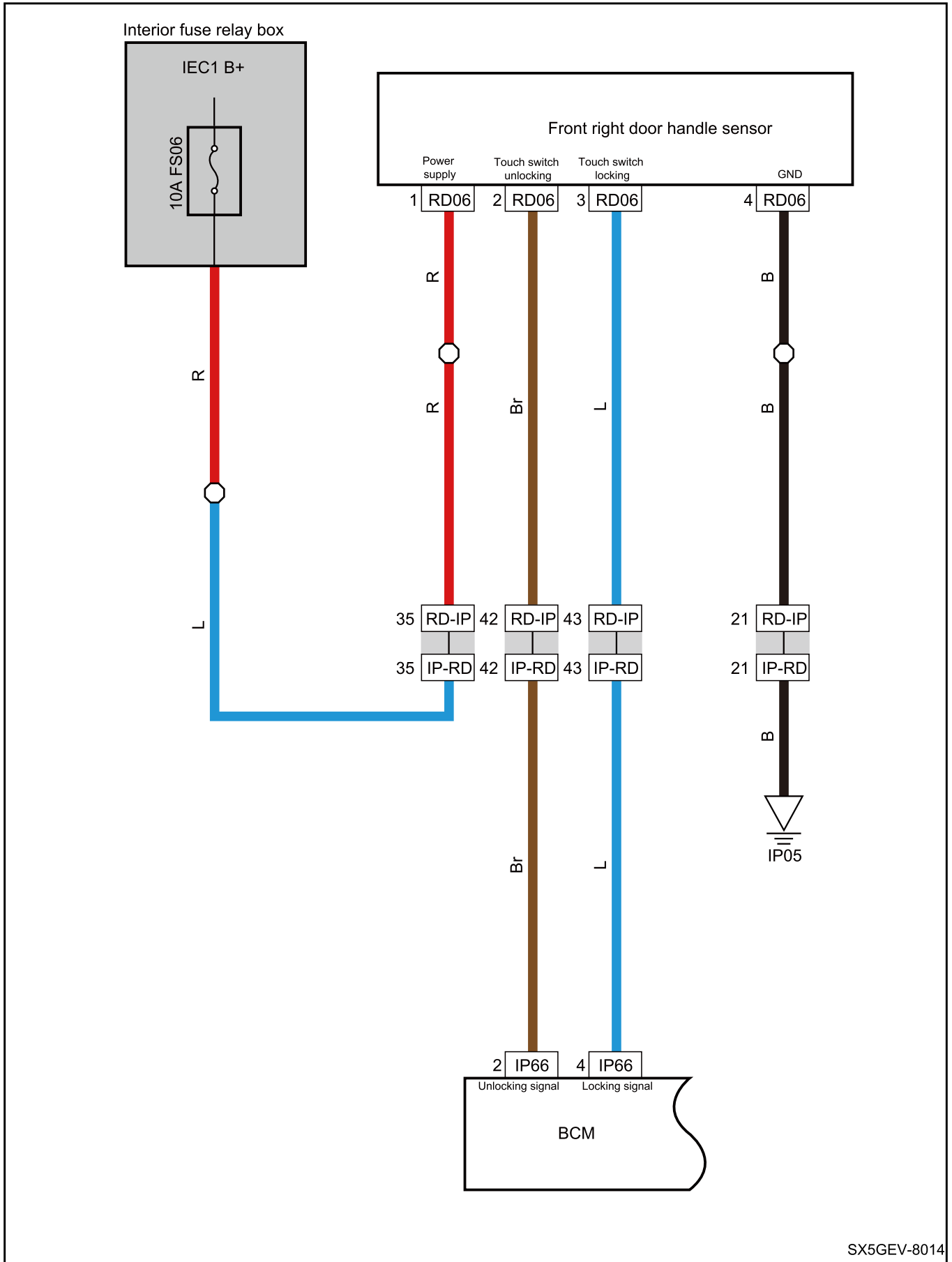
ACC (exclusive model)



SX5GEV-8013

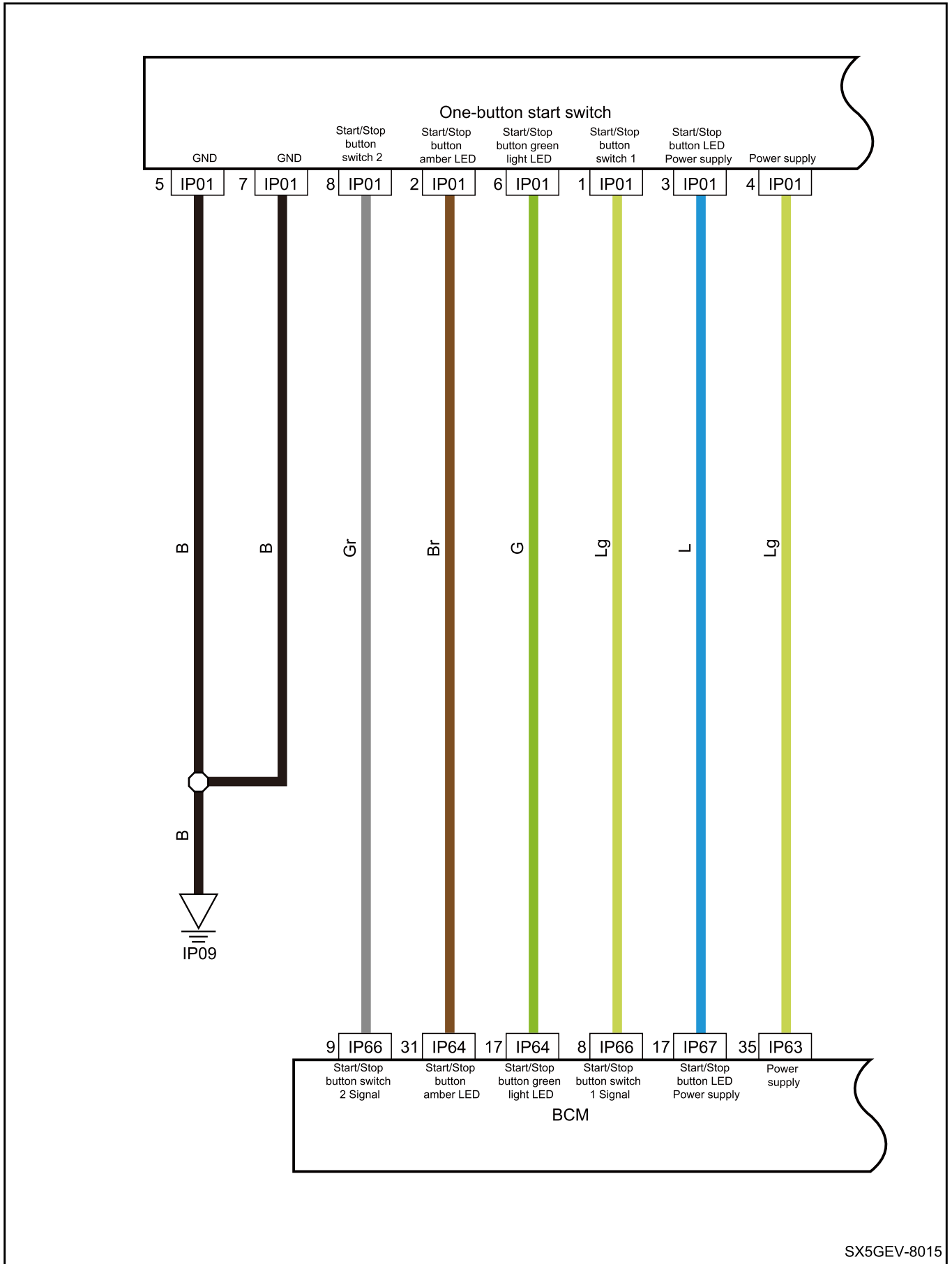
Harness connector	Name	Page
IP05	GND point 9	125
IP13	GND point 16	125
IP50	Spiral cable	46
IP63	BCM-J1	46
IP64	BCM-J2	46
IP65	BCM-J3	46

PEPS 1



Harness connector	Name	Page
IP05	GND point 9	125
IP66	BCM-J4	46
IP-RD	Instrument panel harness – front right door harness	46
RD06	Front right door handle sensor	105
RD-IP	Front right door harness – instrument panel harness	105

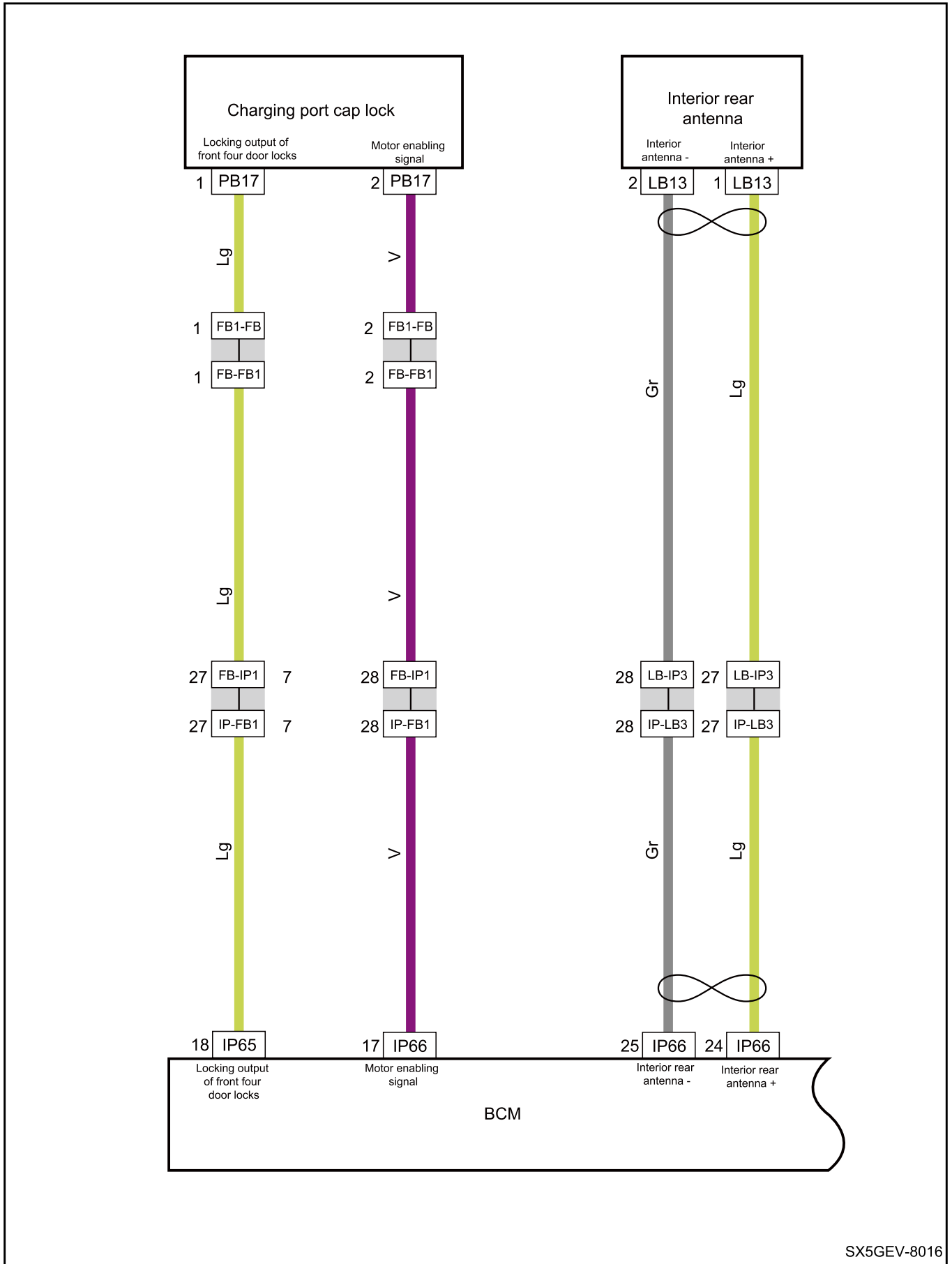
PEPS 2



SX5GEV-8015

Harness connector	Name	Page
IP01	One-button start switch	46
IP09	GND point 11	125
IP63	BCM-J1	46
IP64	BCM-J2	46
IP66	BCM-J4	46
IP67	BCM-J5	46

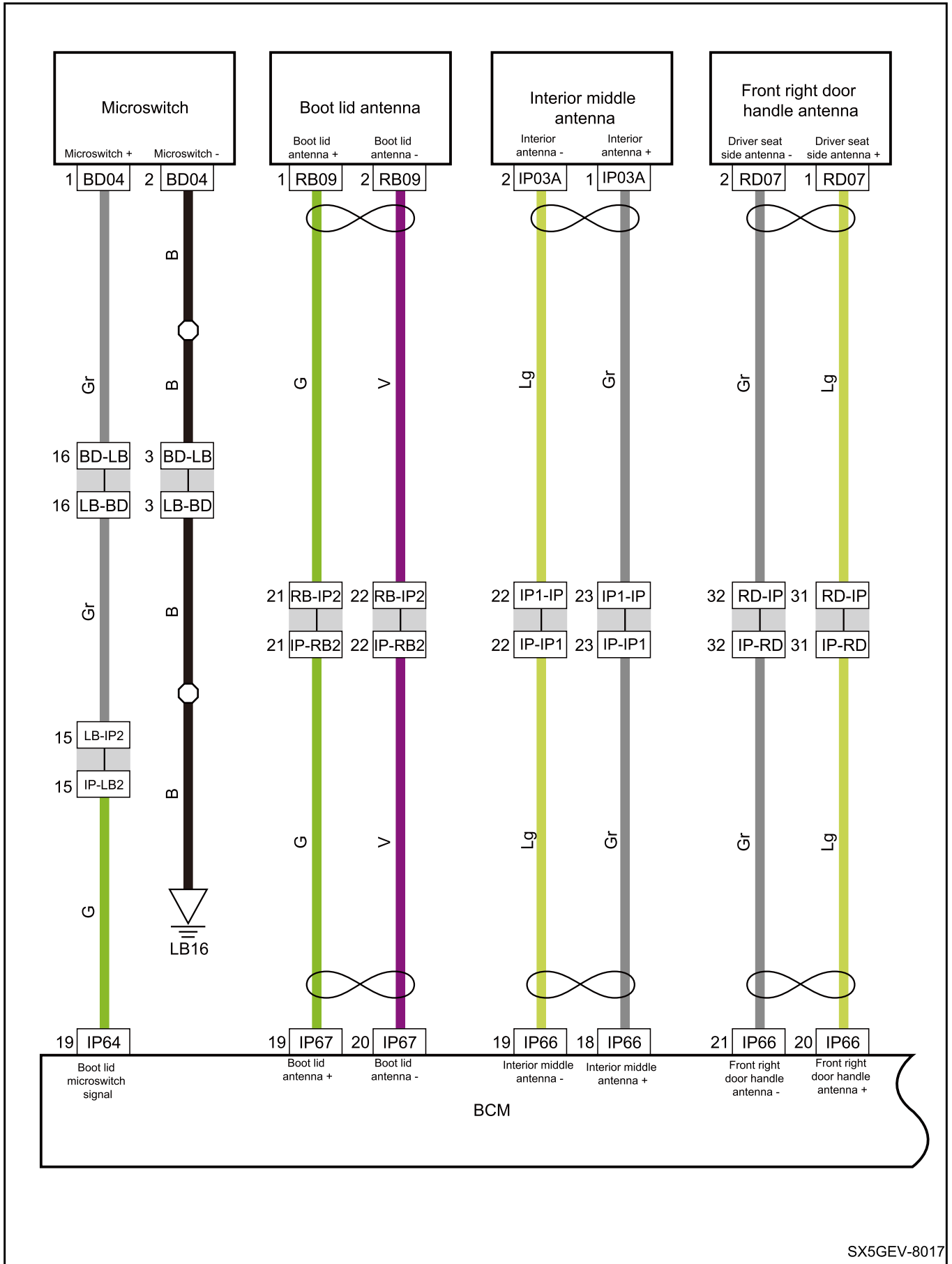
PEPS 3



SX5GEV-8016

Harness connector	Name	Page
FB-FB1	Engine compartment harness – front bumper harness	31
FB-IP1	Engine compartment harness - instrument panel harness 1 (right)	31
FB-IP2	Engine compartment harness - instrument panel harness 2 (right)	31
FB1-FB	Front bumper harness – engine compartment harness 1	76
IP65	BCM-J3	46
IP66	BCM-J4	46
IP-FB1	Instrument panel harness - engine compartment harness (right)	46
IP-FB2	Instrument panel harness - engine compartment harness 2 (right)	46
IP-LB2	Instrument panel harness-left body harness (middle)	46
PB17	Charging port cap lock	76
LB13	Interior rear antenna	80
LB-IP2	Left body harness - instrument panel harness (middle)	80

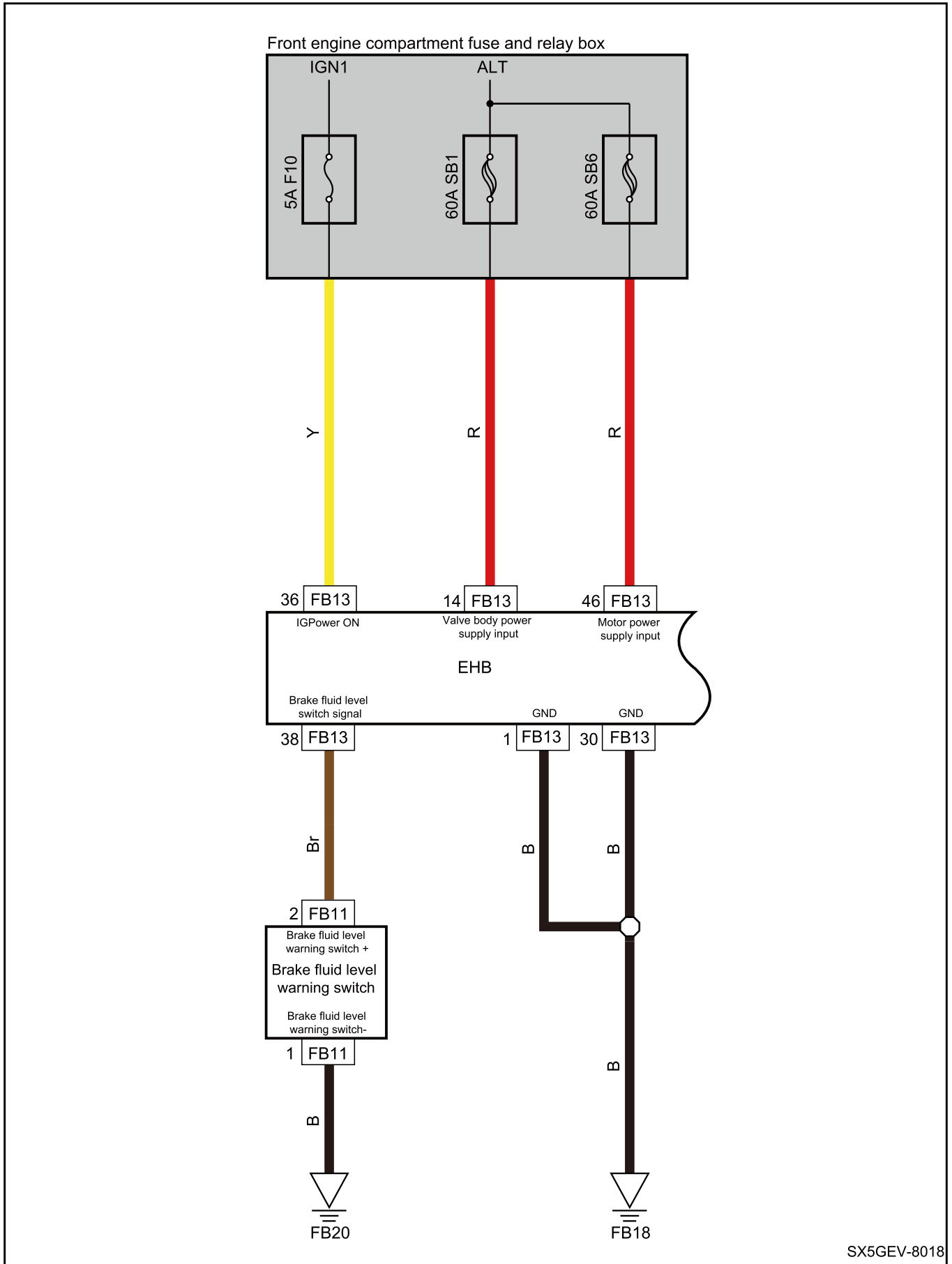
PEPS 4



SX5GEV-8017

Harness connector	Name	Page
BD04	Microswitch	82
BD-LB	Boot lid transition harness – left body harness	82
IP03A	Interior middle antenna	47
IP64	BCM-J2	46
IP66	BCM-J4	46
IP67	BCM-J5	46
IP1-IP	Console harness – instrument panel harness	47
IP-IP1	Instrument panel harness – console harness	46
IP-LB2	Instrument panel harness-left body harness (middle)	46
IP-RB2	Instrument panel harness - right body harness	46
IP-RD	Instrument panel harness – front right door harness	46
LB16	GND point 25	127
LB-BD	Left body harness – boot lid transition harness	80
LB-IP2	Left body harness - instrument panel harness (middle)	80
RB09	Boot lid antenna	82
RB-IP2	Right body harness – instrument panel harness 2	81
RD07	Door handle antenna	105
RD-IP	Front right door harness – instrument panel harness	105

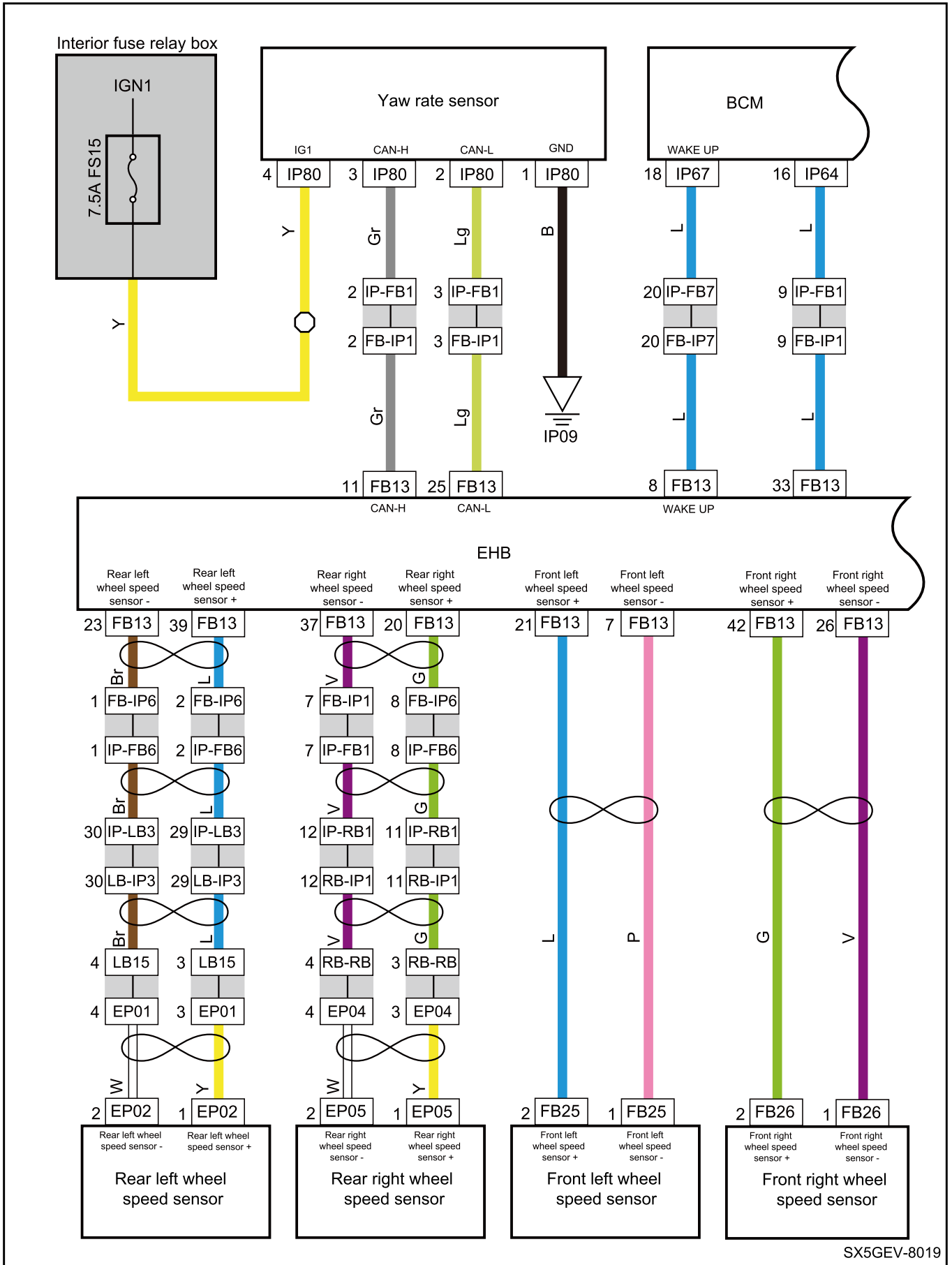
EHB combination module 1



SX5GEV-8018

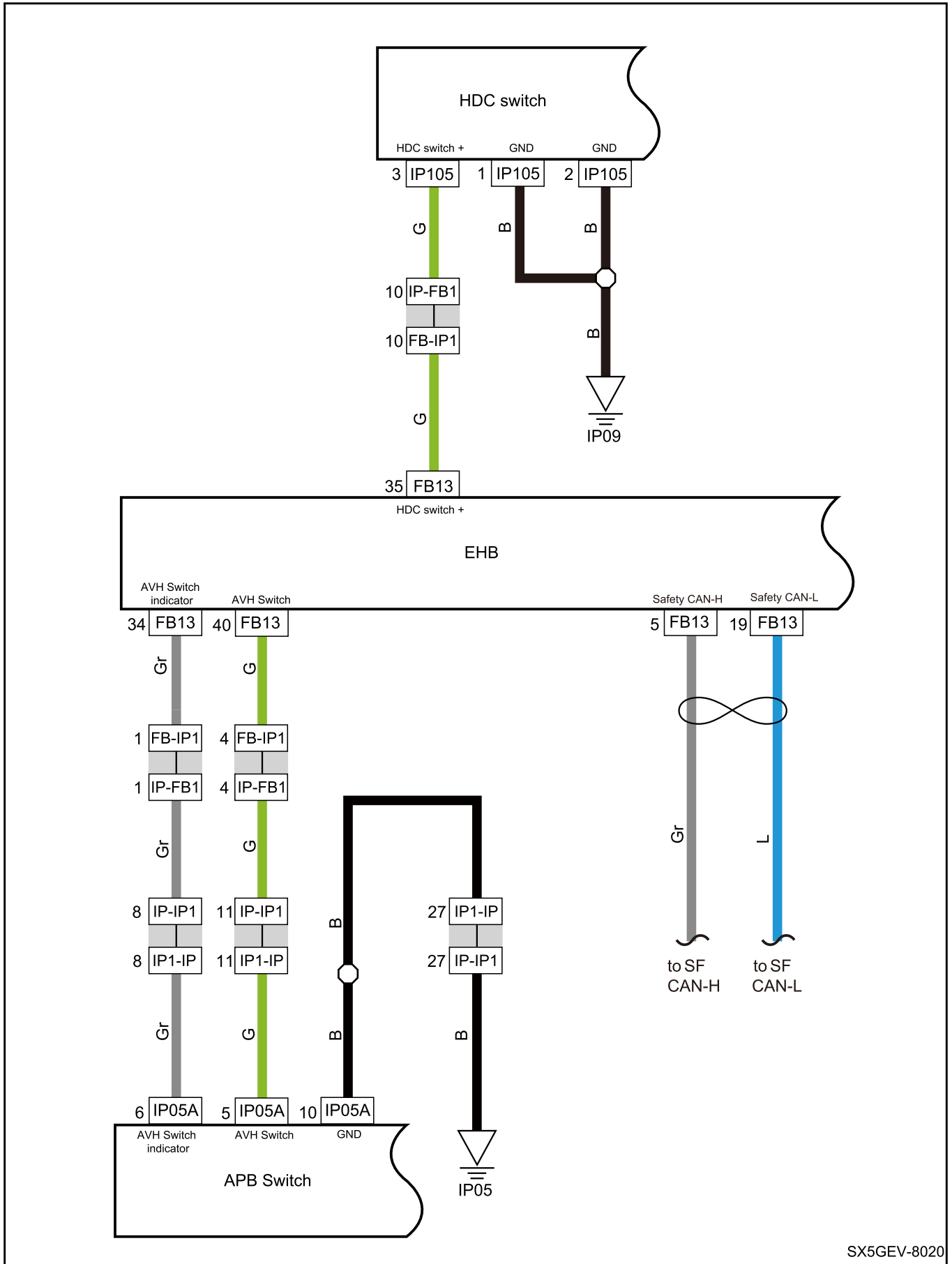
Harness connector	Name	Page
FB11	Brake fluid level warning switch	31
FB13	EHB	31
FB18	GND point 4	123
FB20	GND point 5	123

EHB combination module 2



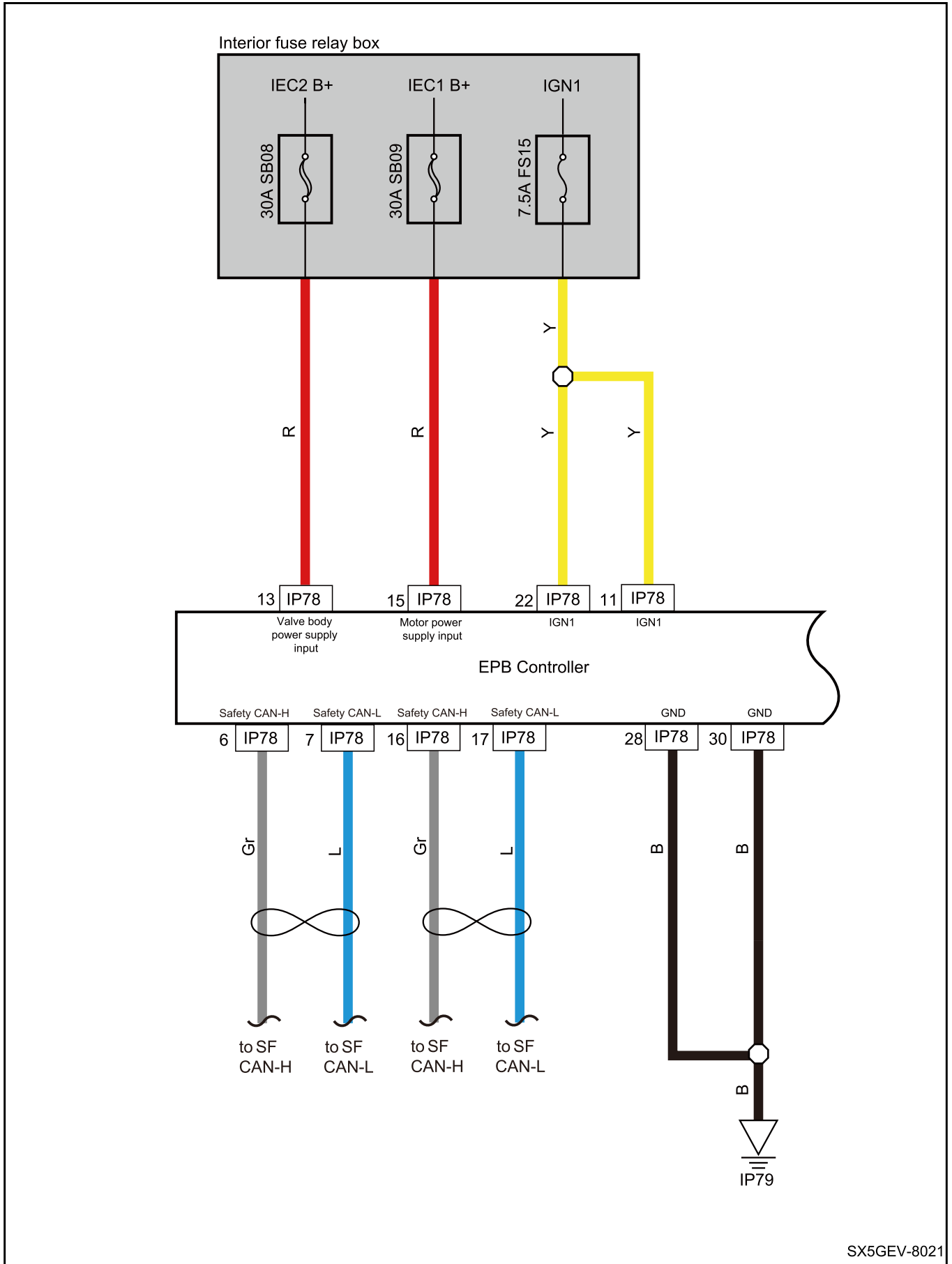
Harness connector	Name	Page
EP01	Left caliper harness – left body harness	78
EP02	Rear left wheel speed sensor	78
EP04	Right caliper harness – right body harness	79
EP05	Rear right wheel speed sensor	79
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FB25	Front left wheel speed sensor	31
FB26	Front right wheel speed sensor	31
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FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
FB-IP7	Engine compartment harness - instrument panel harness 2 (left)	31
IP09	GND point 11	125
IP64	BCM-J2	46
IP67	BCM-J5	46
IP80	Yaw rate sensor	46
IP-FB1	Instrument panel harness - engine compartment harness (right)	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46
IP-FB7	Instrument panel harness - engine compartment harness 2 (left)	46
IP-LB2	Instrument panel harness-left body harness (middle)	46
IP-RB1	Instrument panel harness - right body harness	46
LB15	Left body harness – left caliper harness	80
LB-IP2	Left body harness - instrument panel harness (middle)	80
RB-IP1	Right body harness – instrument panel harness 1	81
RB-RB	Right body harness – right caliper harness	81

EHB combination module 3



Harness connector	Name	Page
FB13	EHB	31
FB-IP1	Engine compartment harness - instrument panel harness 1 (right)	31
IP05	GND point 9	125
IP05A	APB switch	47
IP09	GND point 11	125
IP105	HDC switch	46
IP-FB1	Instrument panel harness - engine compartment harness (right)	46
IP-IP1	Instrument panel harness – console harness	46
IP1-IP	Console harness – instrument panel harness	47

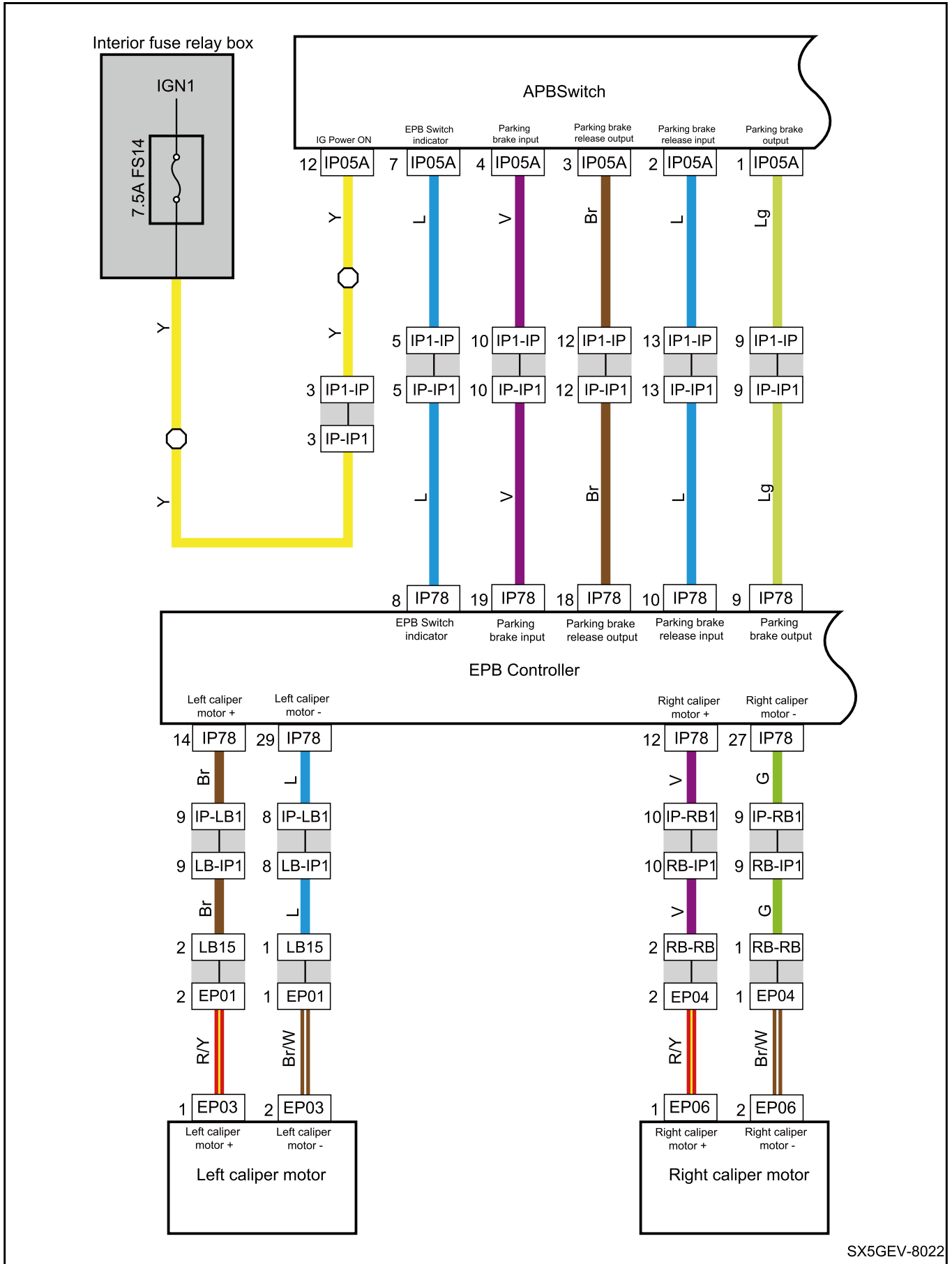
EPB1



SX5GEV-8021

Harness connector	Name	Page
IP78	EPB controller	46
IP79	GND point	125

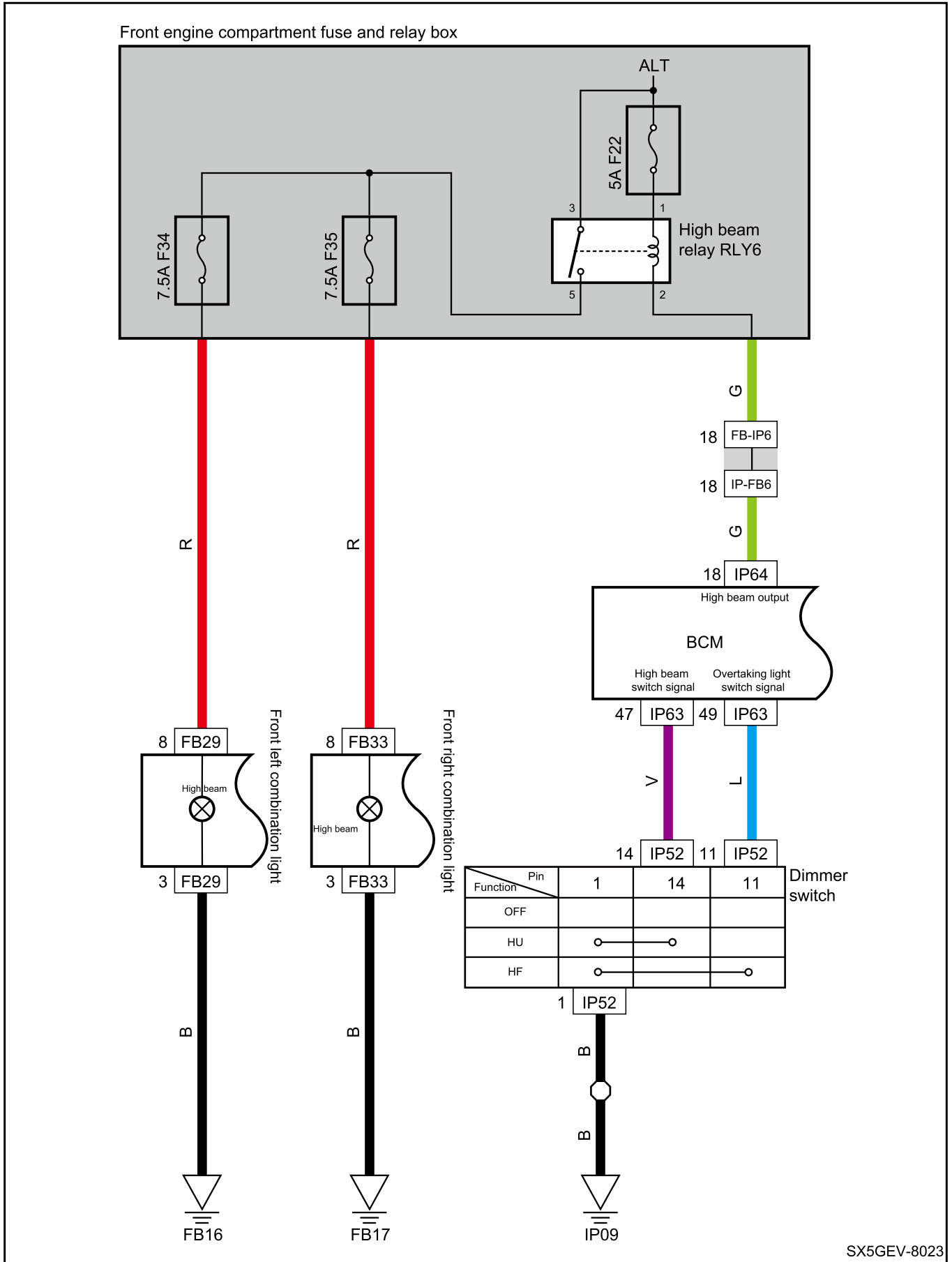
EPB2



SX5GEV-8022

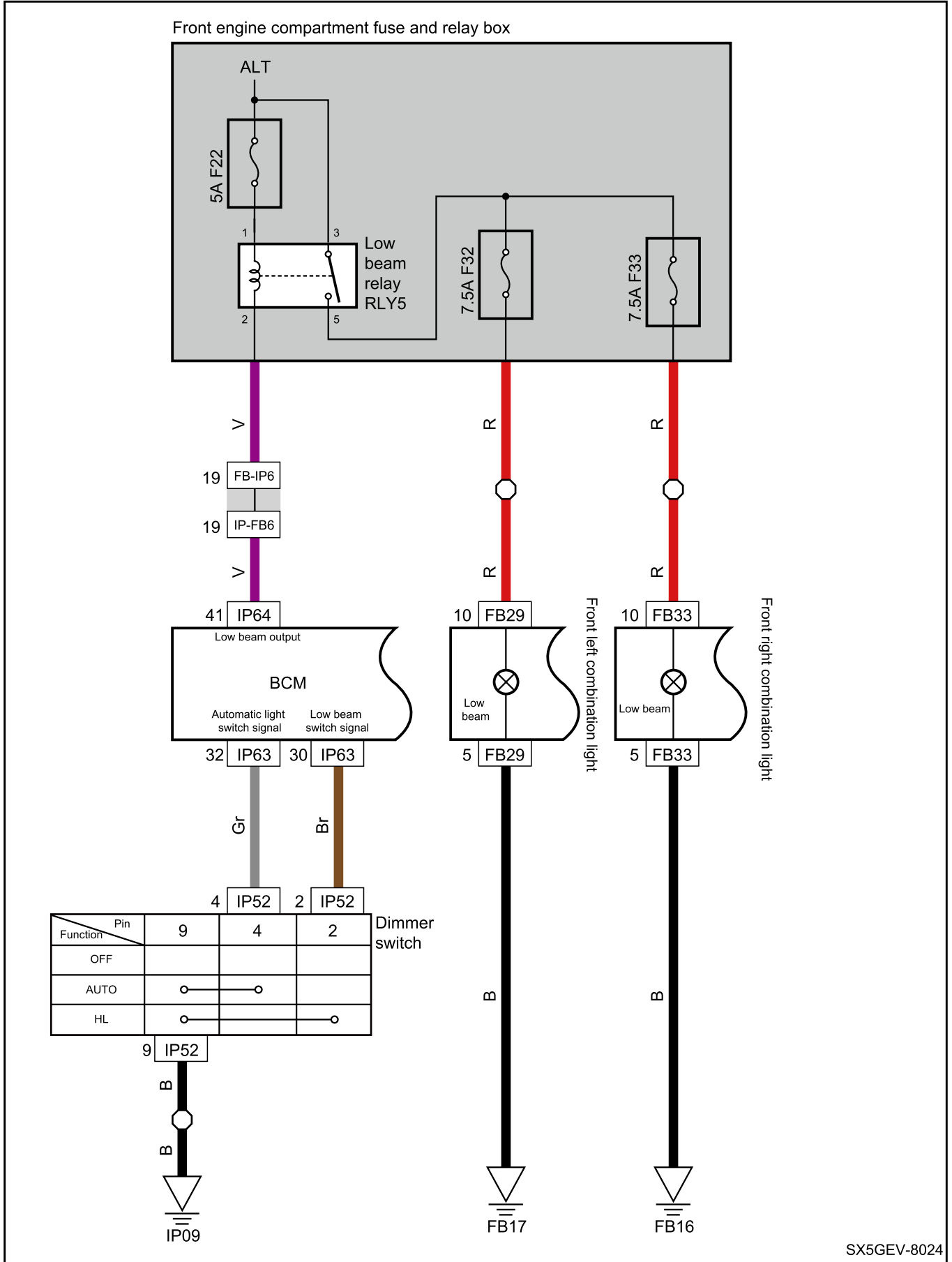
Harness connector	Name	Page
EP01	Left caliper harness – left body harness	78
EP04	Right caliper harness – right body harness	79
EP06	Right caliper motor	79
IP05A	APB switch	47
IP78	EPB controller	46
IP1-IP	Console harness – instrument panel harness	47
IP-IP1	Instrument panel harness – console harness	46
IP-LB1	Instrument panel harness - left body harness 1 (left)	46
IP-RB1	Instrument panel harness - right body harness	46
LB15	Left body harness – left caliper harness	80
LB-IP1	Left body harness - instrument panel harness 1 (left)	80
RB-IP1	Right body harness – instrument panel harness 1	81
RB-RB	Right body harness – right caliper harness	81

Headlight - high beam



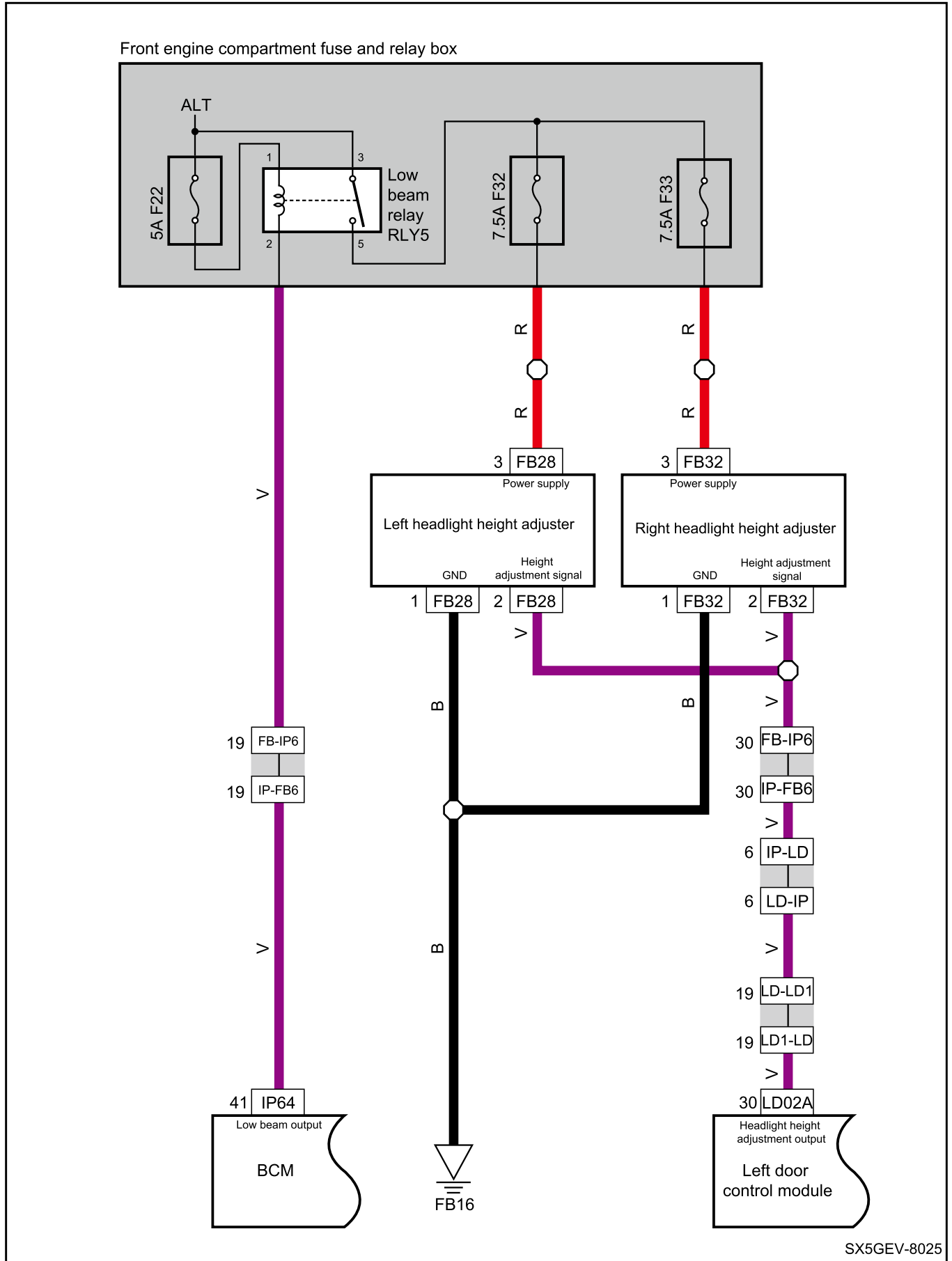
Harness connector	Name	Page
FB16	GND point 7	123
FB17	GND point 3	123
FB29	Front left combination light	31
FB33	Front right combination light	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
IP09	GND point 11	125
IP52	Dimmer switch	46
IP63	BCM-J1	46
IP64	BCM-J2	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46

Headlight - low beam



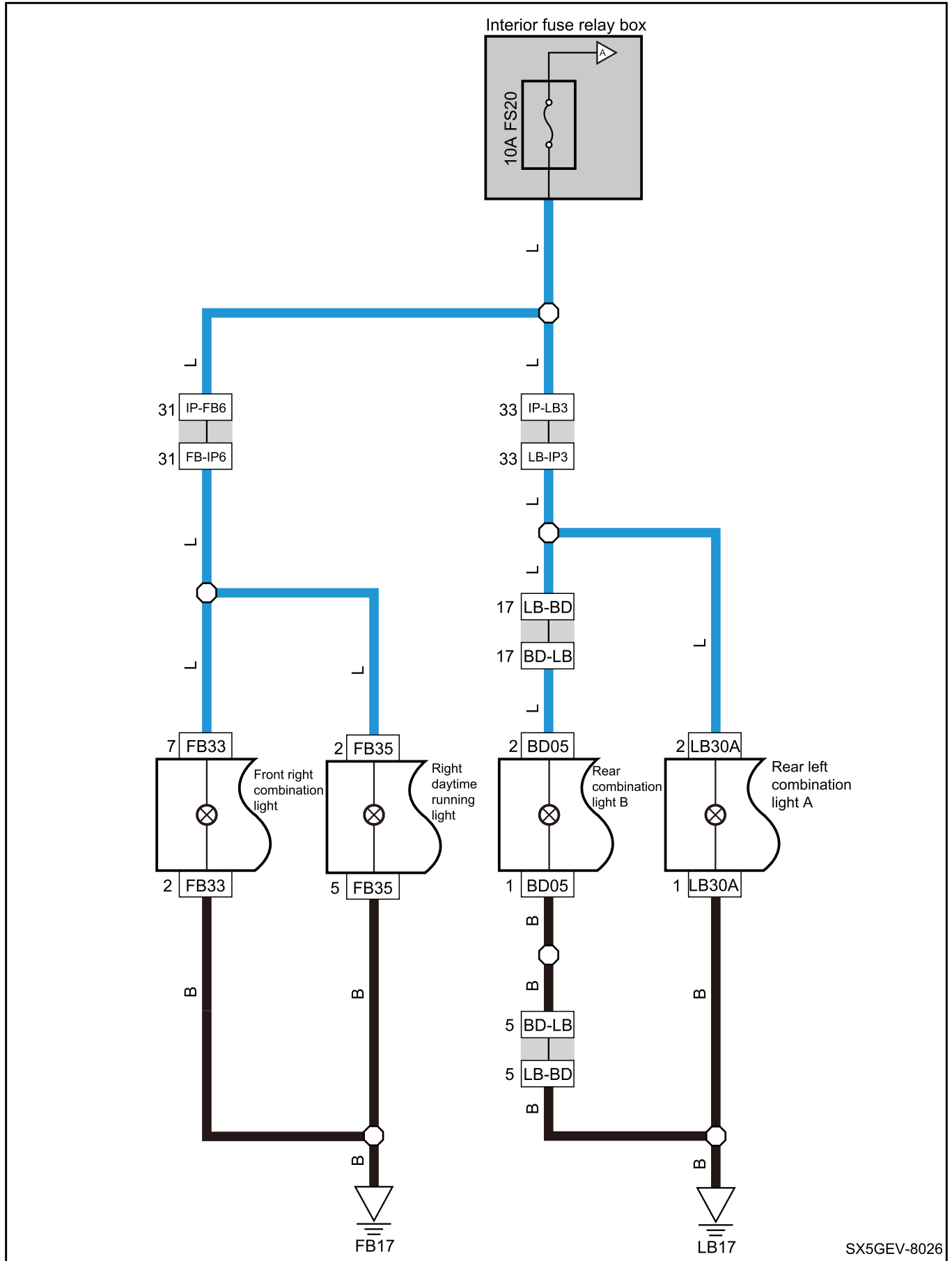
Harness connector	Name	Page
FB16	GND point 7	123
FB17	GND point 3	123
FB29	Front left combination light	31
FB33	Front right combination light	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
IP09	GND point 11	125
IP52	Dimmer switch	46
IP63	BCM-J1	46
IP64	BCM-J2	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46

Headlight - height adjustment



Harness connector	Name	Page
FB16	GND point 7	123
FB28	Left headlight height adjuster	31
FB32	Right headlight height adjuster	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
IP64	BCM-J2	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46
IP-LD	Instrument panel harness – front left door harness	46
LD02A	Left door control module A	104
LD1-LD	Front left door transition harness – front left door harness	104
LD-IP	Front left door harness – instrument panel harness	104
LD-LD1	Front left door harness – front left door transition harness	104

Position light 1

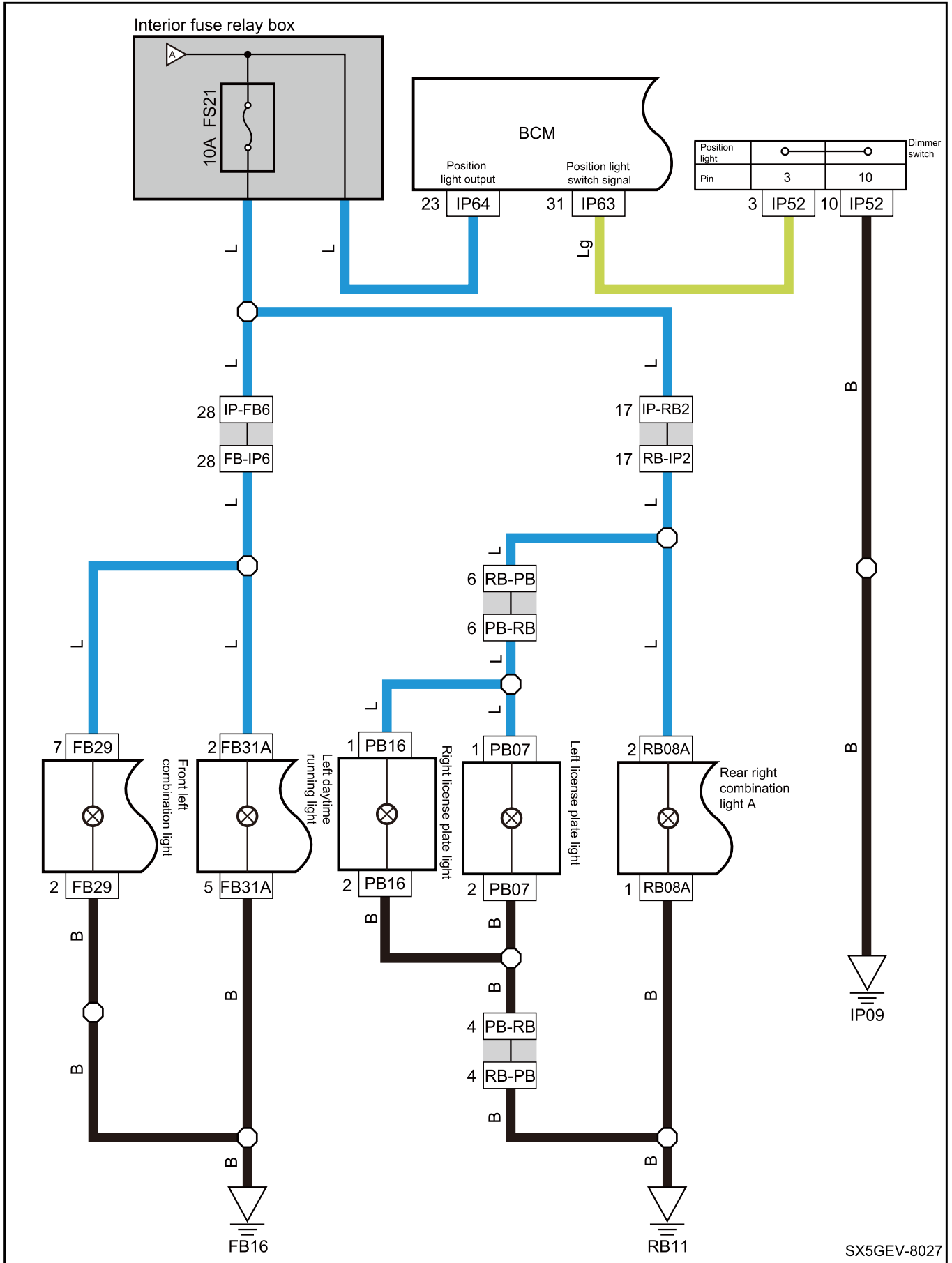


SX5GEV-8026

Harness connector	Name	Page
BD05	Rear combination light B	82
BD-LB	Boot lid transition harness – left body harness	82
FB17	GND point 3	123
FB33	Front right combination light	31
FB35	Right daytime running light	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	31
IP-LB2	Instrument panel harness-left body harness (middle)	31
LB30A	Rear left combination light A	80
LB-BD	Left body harness – boot lid transition harness	80
LB-IP2	Left body harness - instrument panel harness (middle)	80

Connection point	Description	Page
A	To position light 2	214

Position light 2

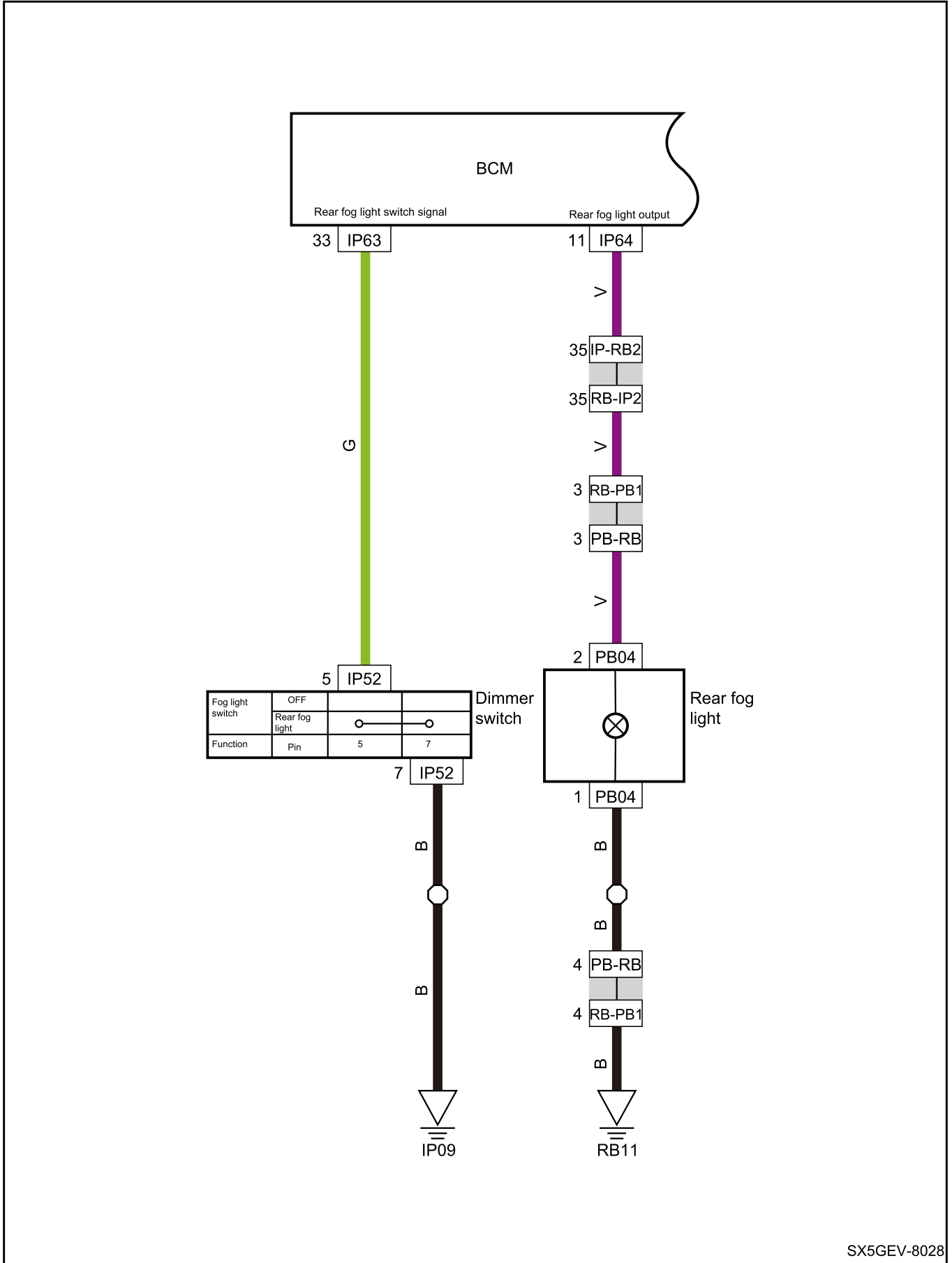


SX5GEV-8027

Harness connector	Name	Page
FB16	GND point 7	123
FB29	Front left combination light	31
FB31	Left daytime running light	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
IP09	GND point 11	125
IP52	Dimmer switch	46
IP63	BCM-J1	46
IP64	BCM-J2	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46
IP-RB2	Instrument panel harness - right body harness	46
PB07	Left license plate light	77
PB16	Right license plate light	77
PB-RB	Rear bumper harness – right body harness 1	77
RB08A	Rear right combination light A	81
RB11	GND point 22	126
RB-IP2	Right body harness – instrument panel harness 2	81
RB-PB	Right body harness – rear bumper harness 2	81

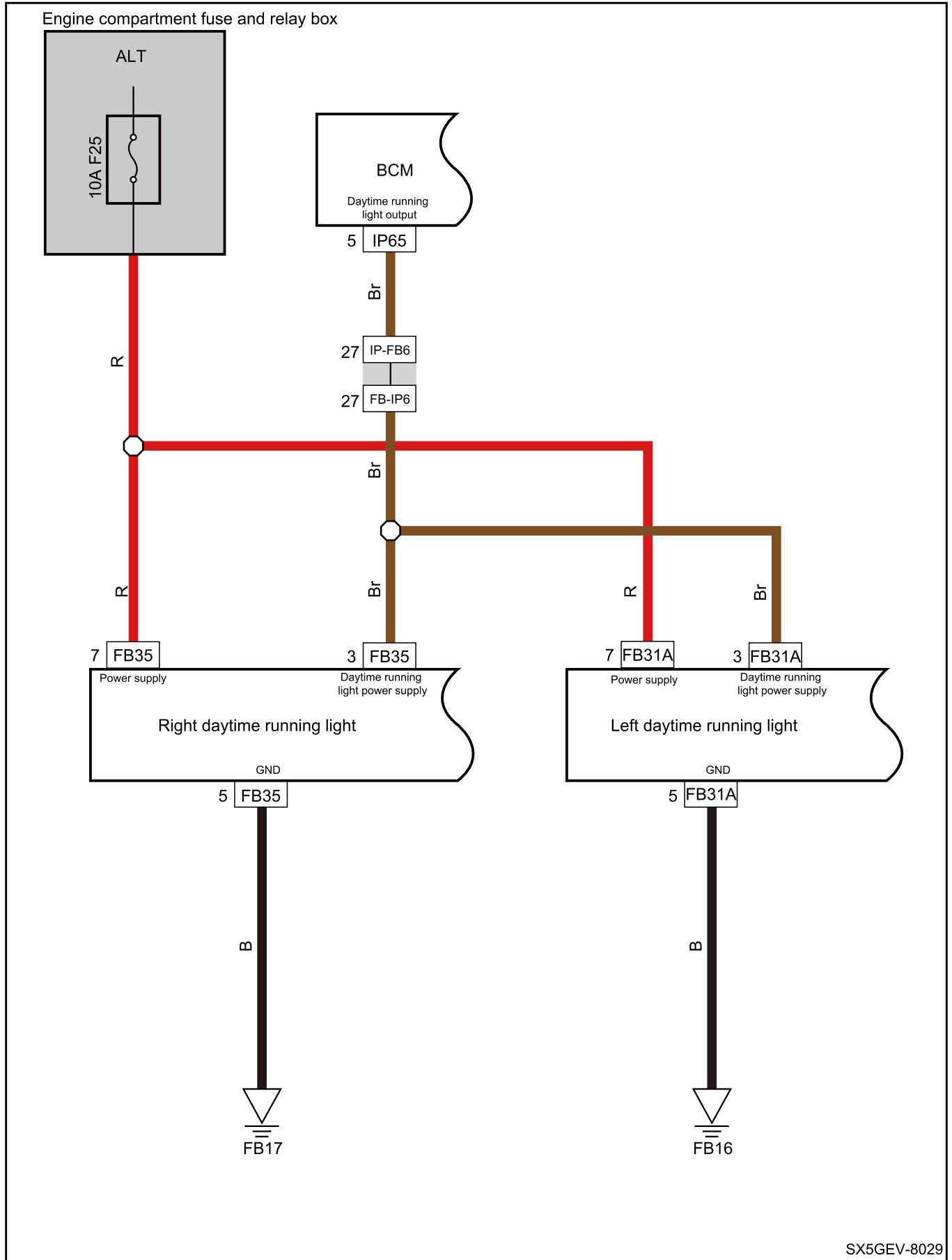
Connection point	Description	Page
A	To position light 1	212

Fog light



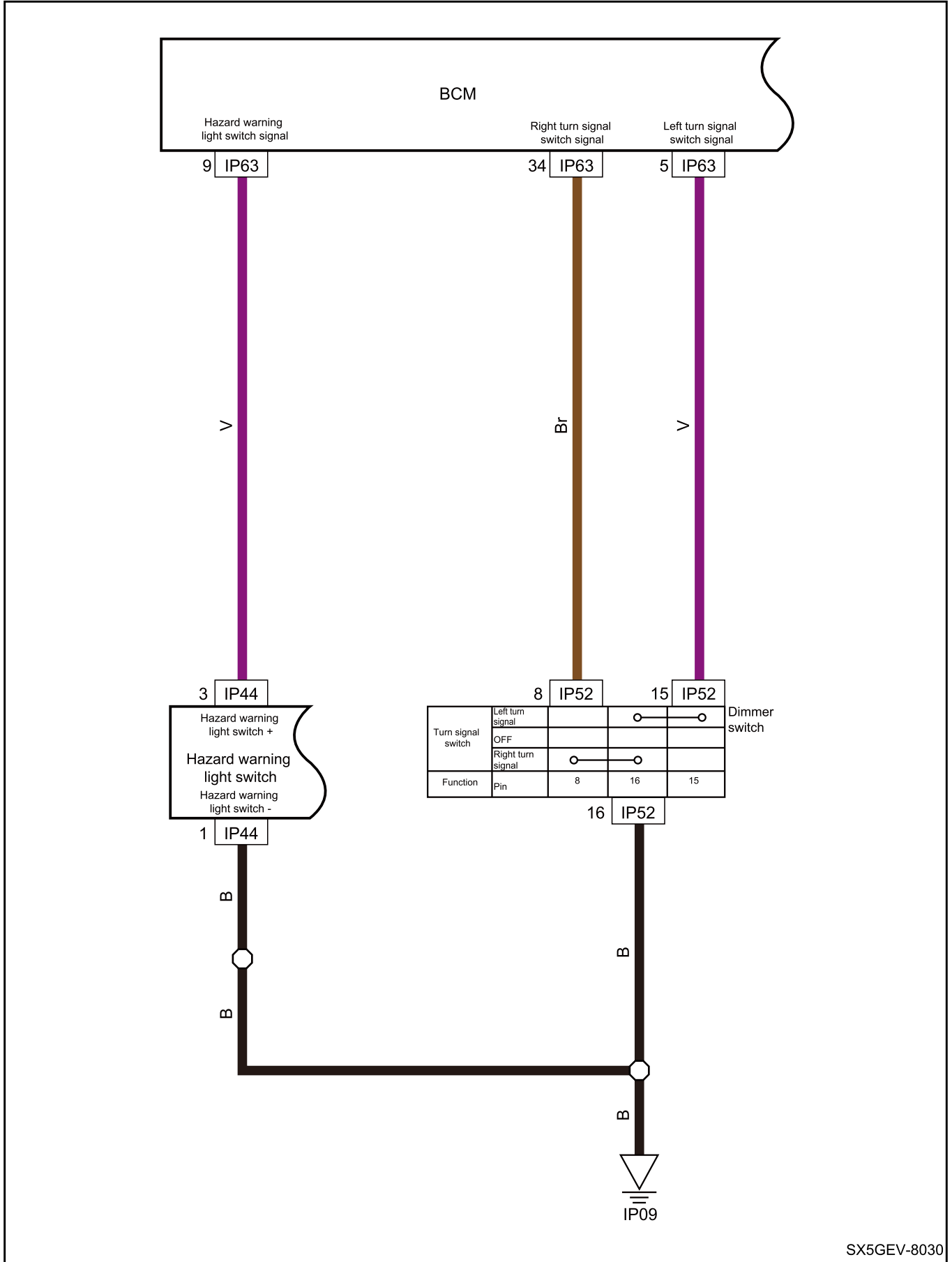
Harness connector	Name	Page
IP09	GND point 11	125
IP52	Dimmer switch	46
IP63	BCM-J1	46
IP64	BCM-J2	46
IP-RB2	Instrument panel harness - right body harness	46
PB04	Rear fog light	77
PB-RB	Rear bumper harness – right body harness 1	77
RB11	GND point 22	127
RB-IP2	Right body harness – instrument panel harness 2	81
RB-PB1	Right body harness – rear bumper harness 1	81

Daytime running light



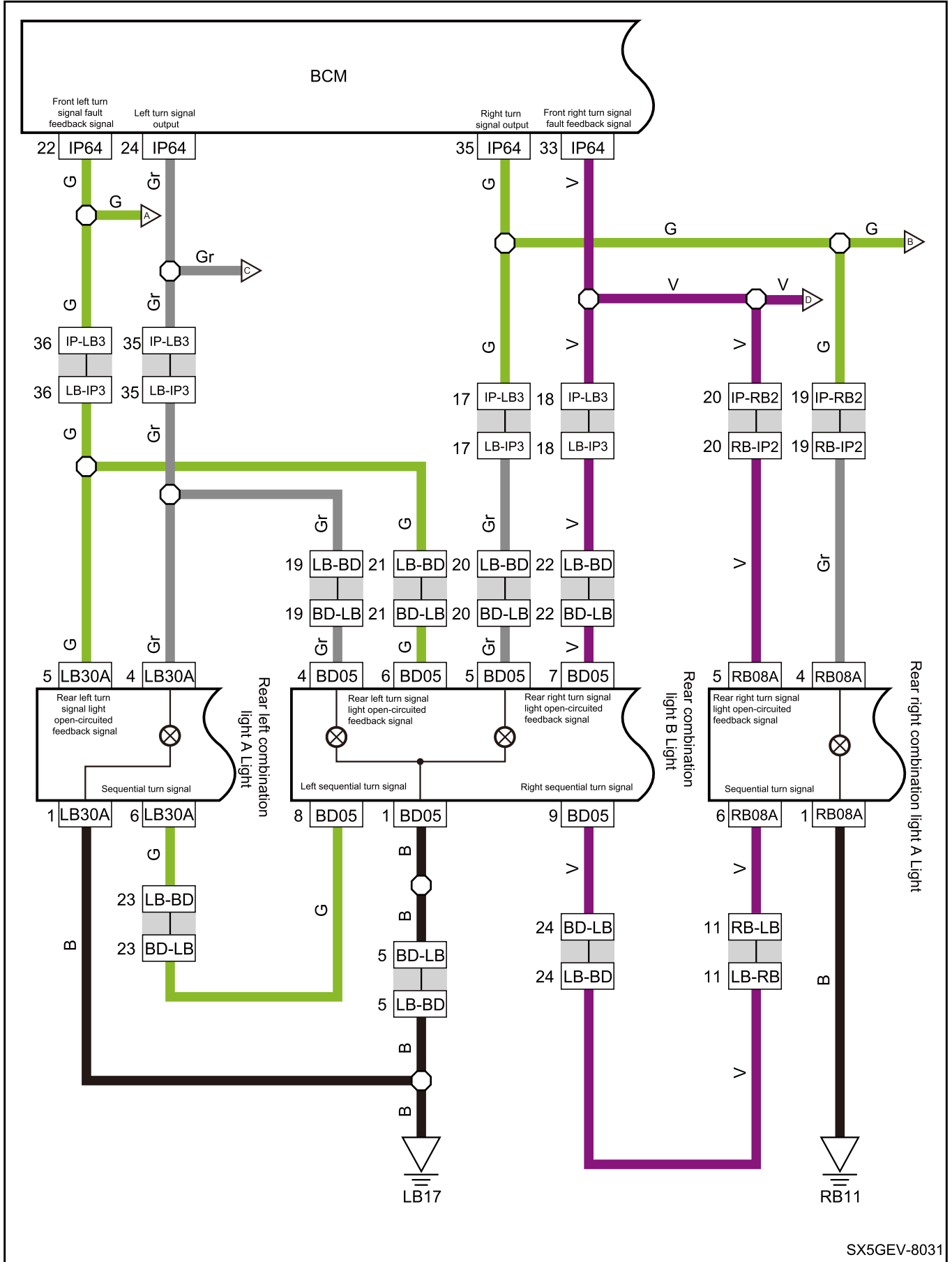
Harness connector	Name	Page
FB16	GND point 7	123
FB17	GND point 3	123
FB31A	Left daytime running light	31
FB35	Right daytime running light	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
IP65	BCM-J3	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46

Turn signal and hazard warning light 1



Harness connector	Name	Page
IP09	GND point 11	125
IP44	Hazard warning light switch	46
IP52	Dimmer switch	46
IP63	BCM-J1	46

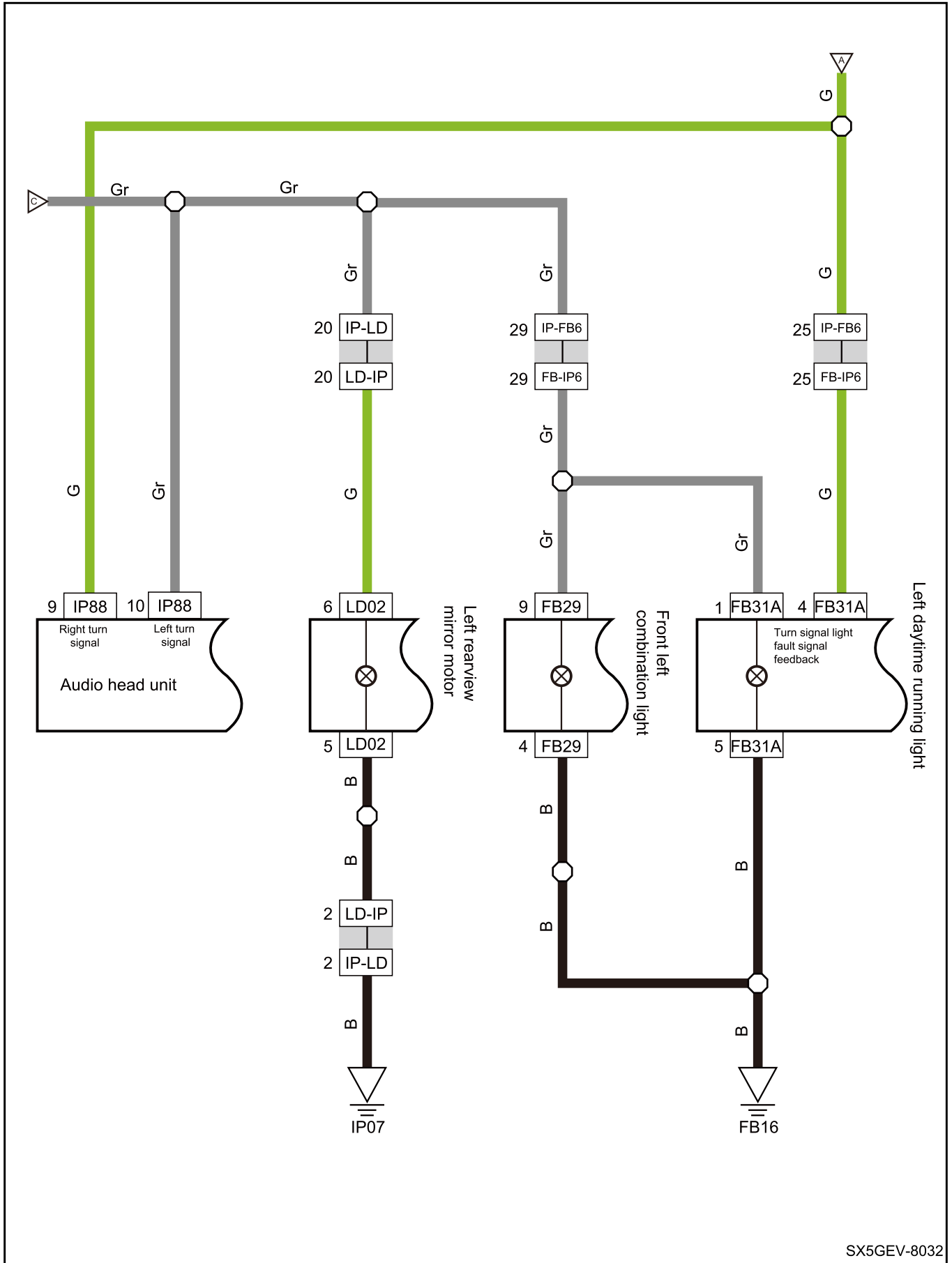
Turn Signal and Hazard Warning Light 2



Harness connector	Name	Page
BD05	Rear combination light B	82
BD-LB	Boot lid transition harness – left body harness	82
IP64	BCM-J2	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
IP-RB2	Instrument panel harness - right body harness	46
LB17	GND point 26	127
LB30A	Rear left combination light A	80
LB-BD	Left body harness – boot lid transition harness	80
LB-IP3	Left body harness - instrument panel harness 2 (left)	80
LB-RB	Left body harness – right body harness	80
RB08A	Rear right combination light A	81
RB11	GND point 22	126
RB-IP2	Right body harness – instrument panel harness 2	81
RB-LB	Right body harness – left body harness	81

Connection point	Description	Page
A	To turn signal and hazard warning light 3	224
B	To turn signal and hazard warning light 4	226
C	To turn signal and hazard warning light 3	224
D	To turn signal and hazard warning light 4	226

Turn Signal and Hazard Warning Light 3

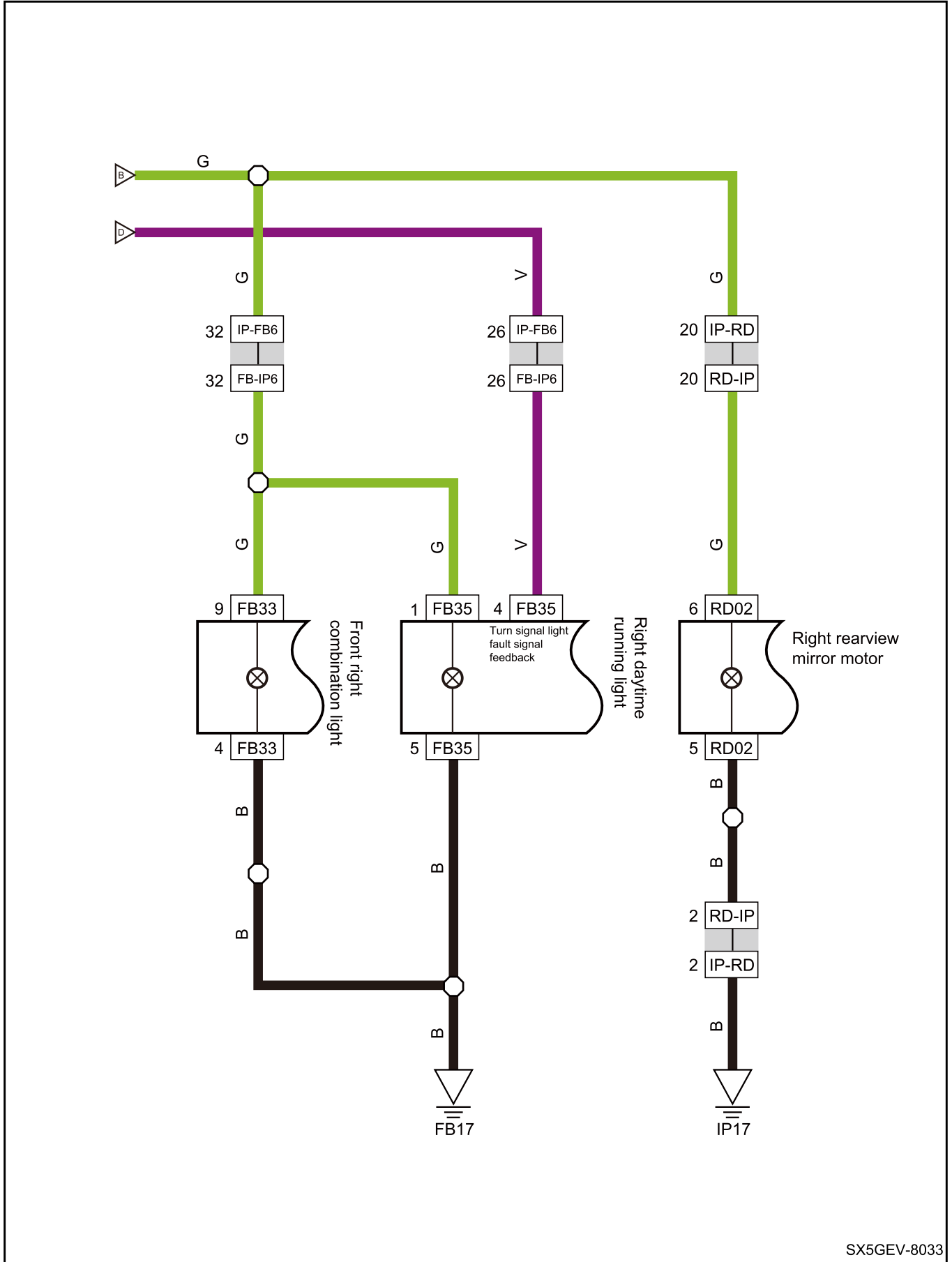


SX5GEV-8032

Harness connector	Name	Page
FB16	GND point 7	123
FB29	Front left combination light	31
FB31A	Left daytime running light	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
IP07	GND point 10	125
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46
IP-LD	Instrument panel harness – front left door harness	46
LD02	Left rearview mirror motor	104
LD-IP	Front left door harness – instrument panel harness	104

Connection point	Description	Page
A	To turn signal and hazard warning light 2	222
C	To turn signal and hazard warning light 2	222

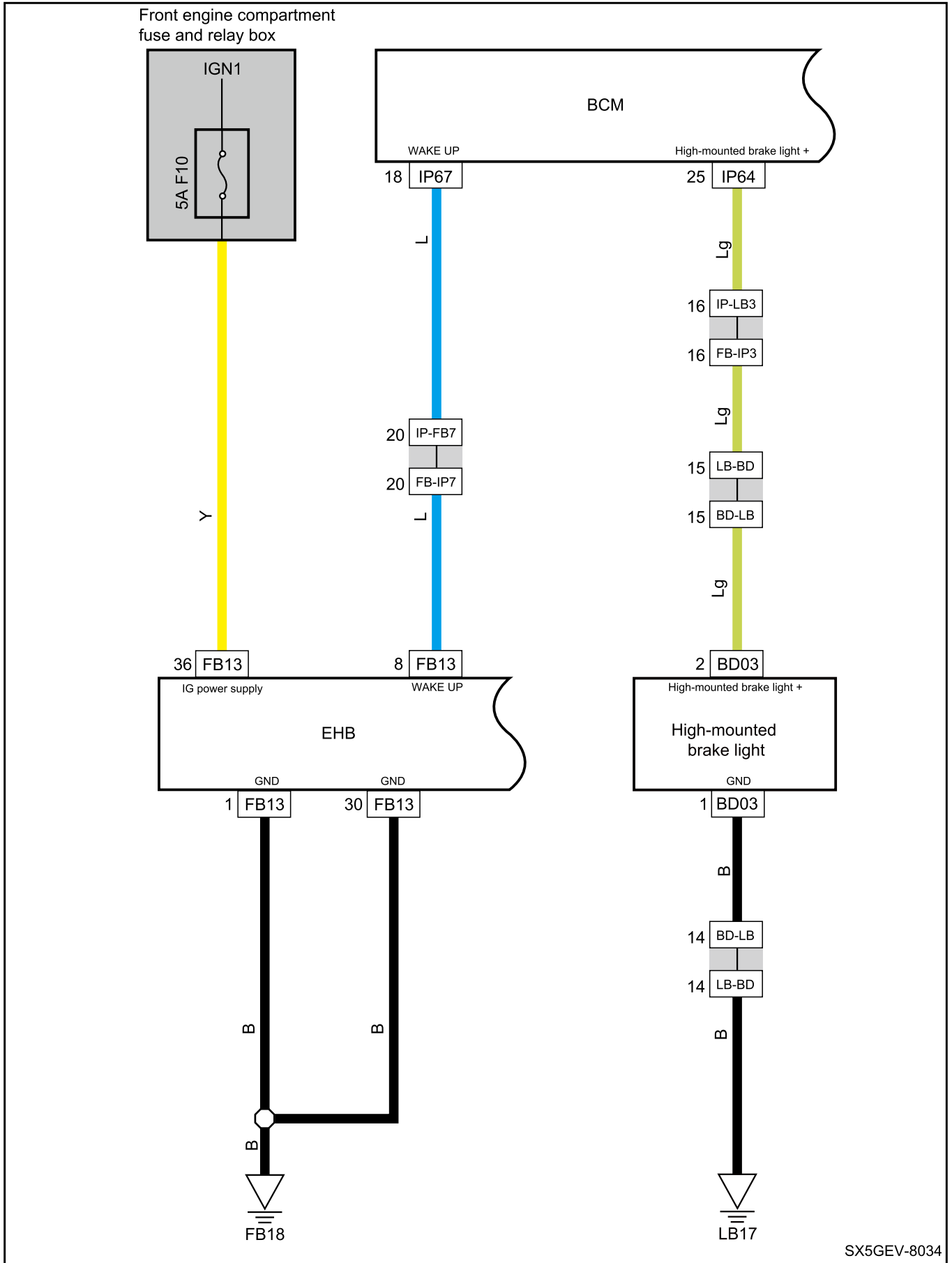
Turn Signal and Hazard Warning Light 4



Harness connector	Name	Page
FB17	GND point 3	123
FB33	Front right combination light	31
FB35	Right daytime running light	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
IP17	GND point	125
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46
IP-RD	Instrument panel harness – front right door harness	46
RD02	Right rearview mirror motor	105
RD-IP	Front right door harness – instrument panel harness	105

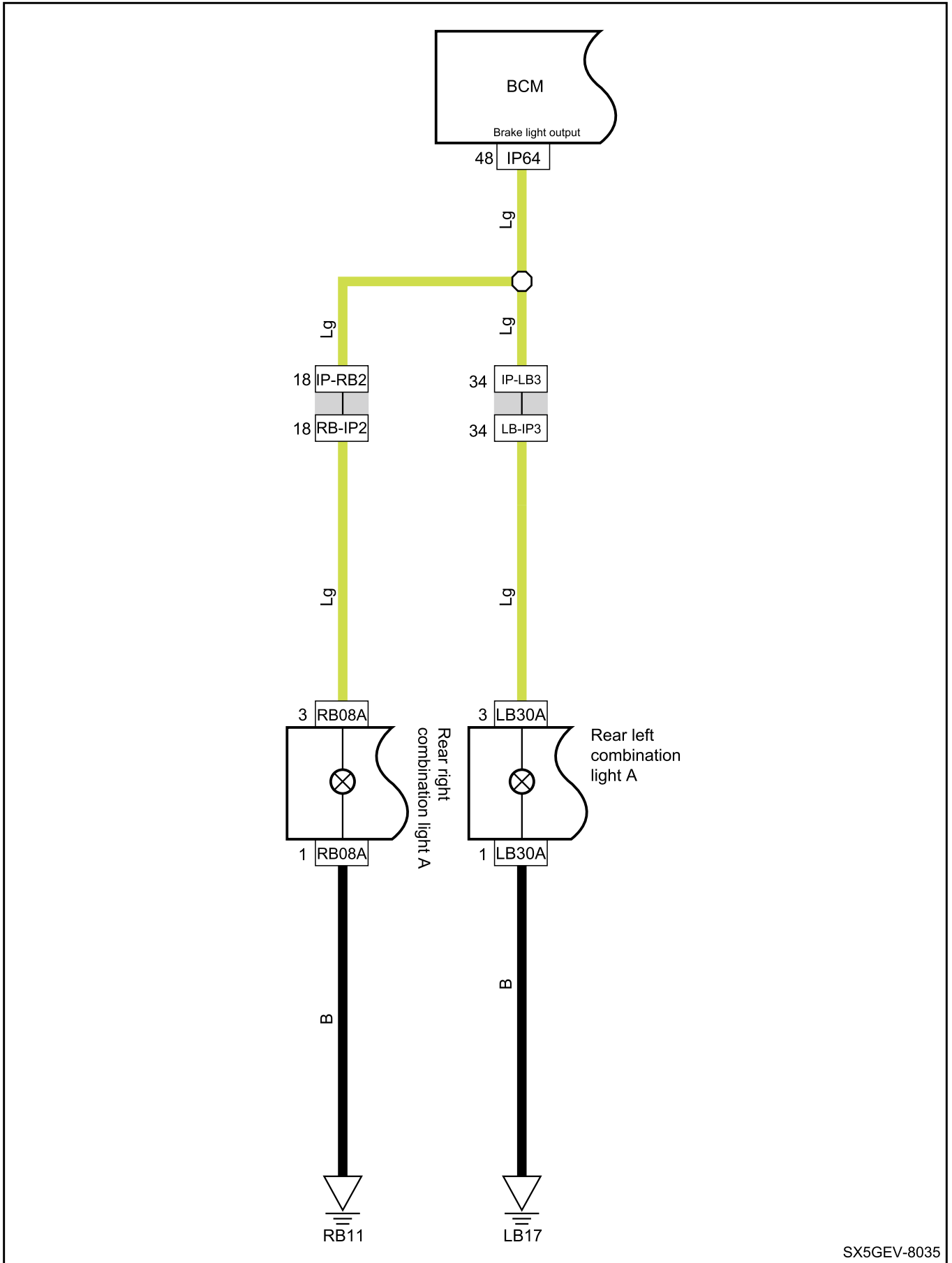
Connection point	Description	Page
B	To turn signal and hazard warning light 2	222
D	To turn signal and hazard warning light 2	222

Brake Light 1



Harness connector	Name	Page
BD03	High-mounted brake light	82
BD-LB	Boot lid transition harness – left body harness	82
FB13	EHB	31
FB18	GND point 4	123
FB-IP3	Engine compartment harness - instrument panel harness (2 PIN)	31
FB-IP7	Engine compartment harness - instrument panel harness 2 (left)	31
IP64	BCM-J2	46
IP67	BCM-J5	46
IP-FB7	Instrument panel harness - engine compartment harness 2 (left)	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
LB17	GND point 26	127
LB-BD	Left body harness – boot lid transition harness	80

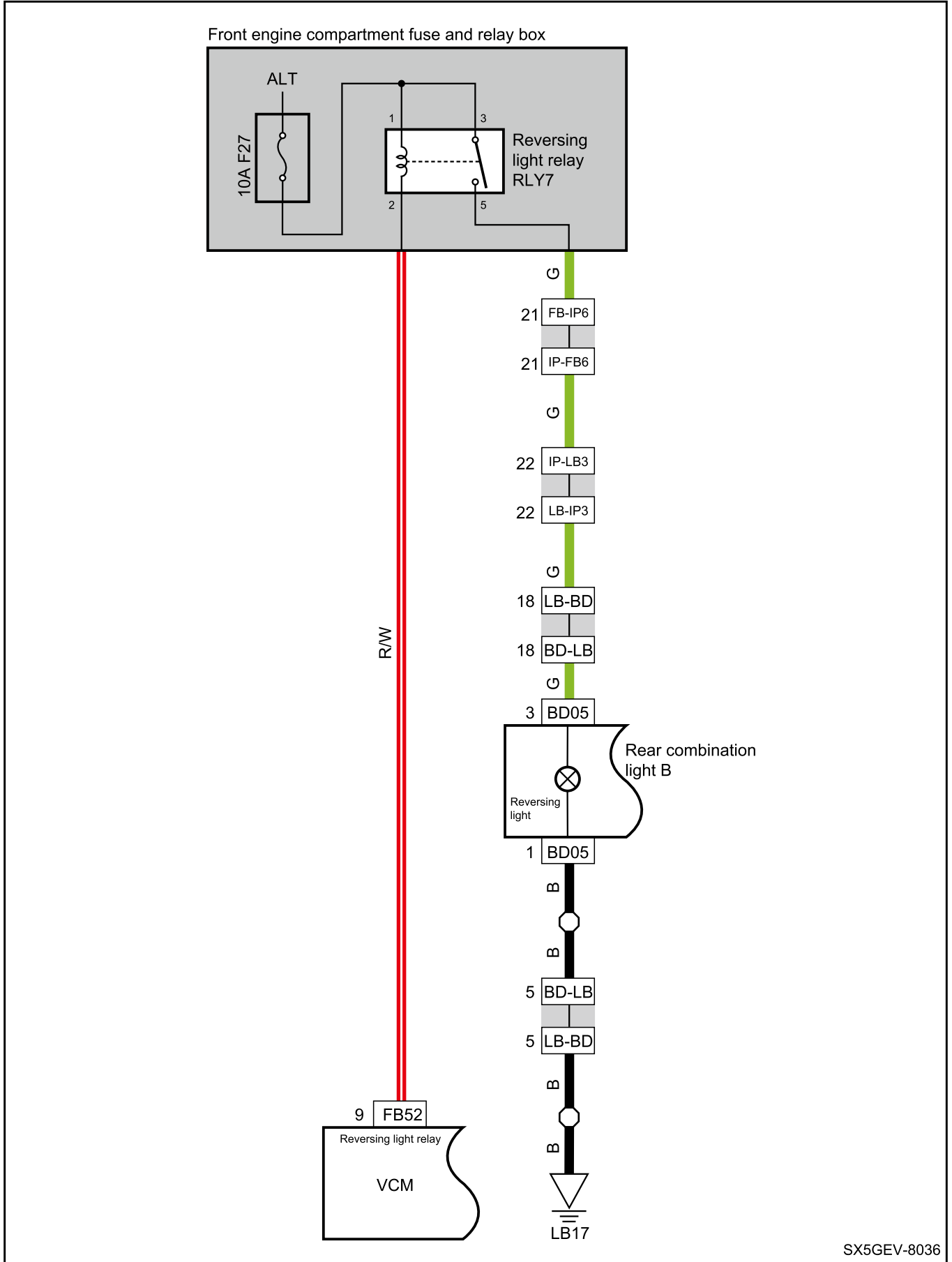
Brake Light 2



SX5GEV-8035

Harness connector	Name	Page
IP64	BCM-J2	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
IP-RB2	Instrument panel harness - right body harness	46
LB17	GND point 26	127
LB30A	Rear left combination light A	80
LB-IP3	Left body harness - instrument panel harness 2 (left)	80
RB08A	Rear right combination light A	81
RB11	GND point 22	126
RB-IP2	Right body harness – instrument panel harness 2	81

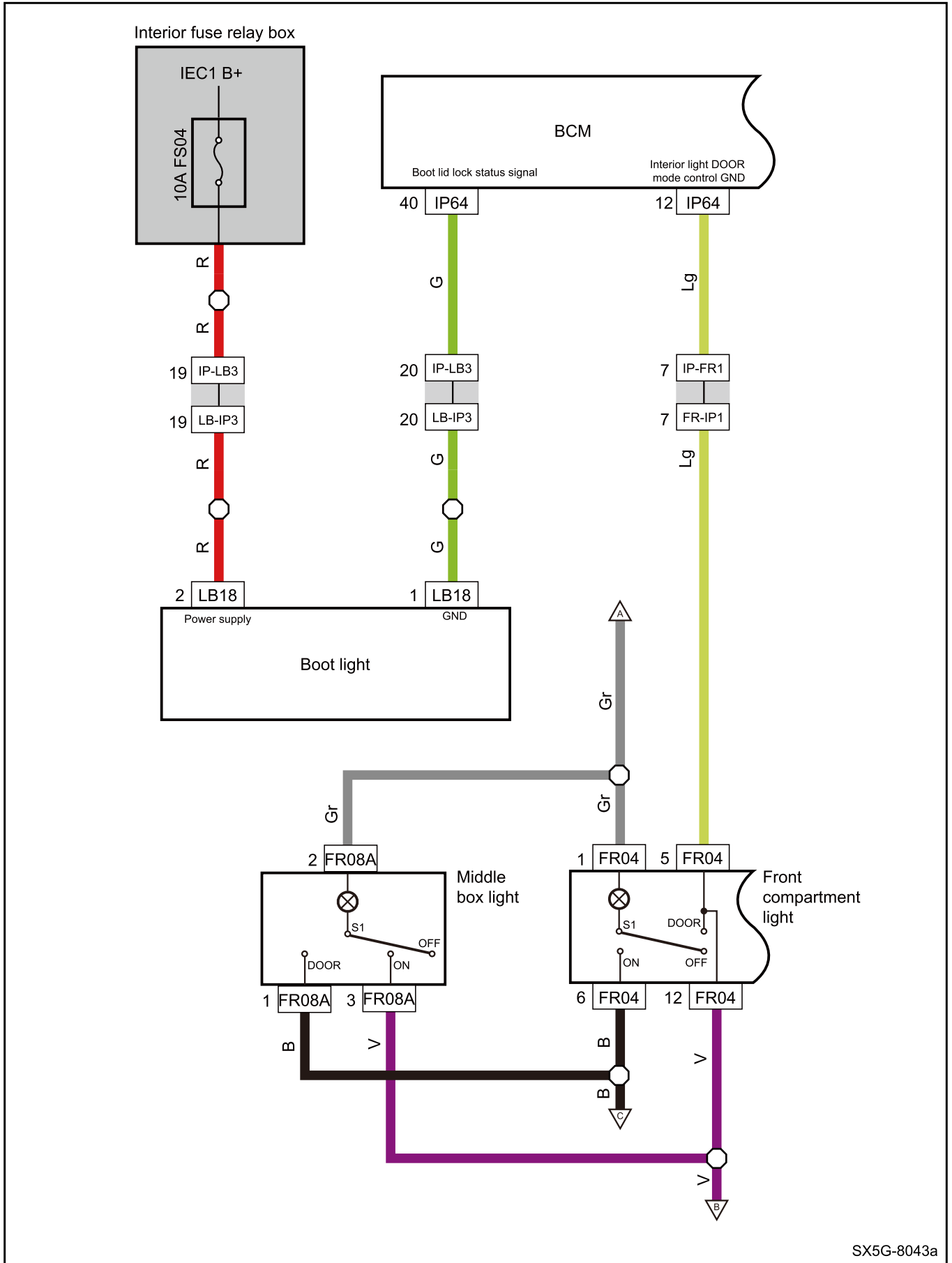
Reversing light



SX5GEV-8036

Harness connector	Name	Page
BD05	Rear combination light B	82
BD-LB	Boot lid transition harness – left body harness	82
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
IP52	Dimmer switch	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
LB17	GND point 26	127
LB-BD	Left body harness – boot lid transition harness	80
LB-IP3	Left body harness - instrument panel harness 2 (left)	80

Interior light 1

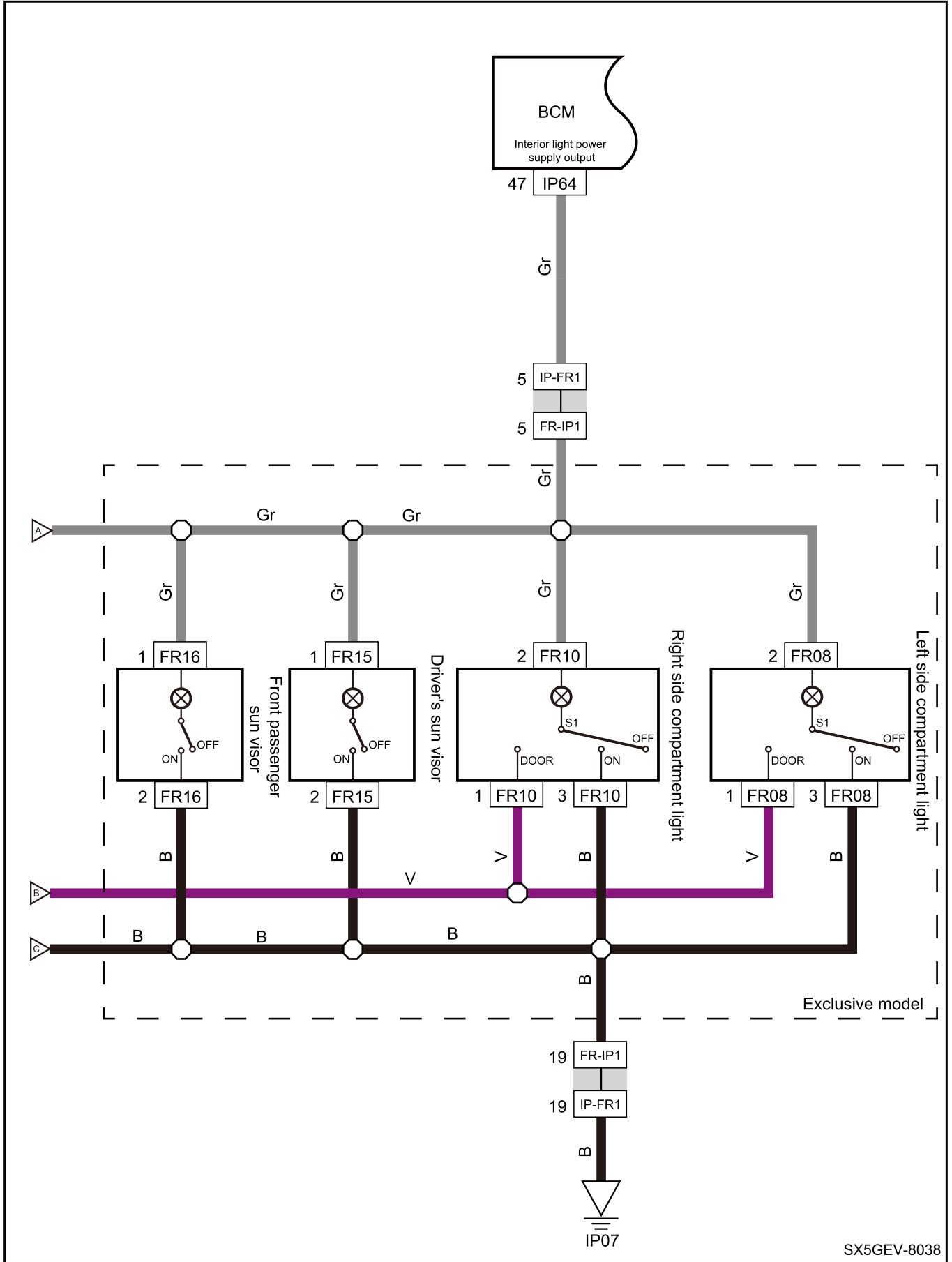


SX5G-8043a

Harness connector	Name	Page
FR04	Front compartment light	71
FR08A	Middle compartment light	71
FR-IP1	Roof harness - instrument panel harness	71
IP64	BCM-J2	46
IP-FR1	Instrument panel harness – roof harness	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
LB18	Trunk light	80
LB-IP3	Left body harness - instrument panel harness 2 (left)	80

Connection point	Description	Page
A	To interior light 2	236
B	To interior light 2	236
C	To interior light 2	236

Interior light 2

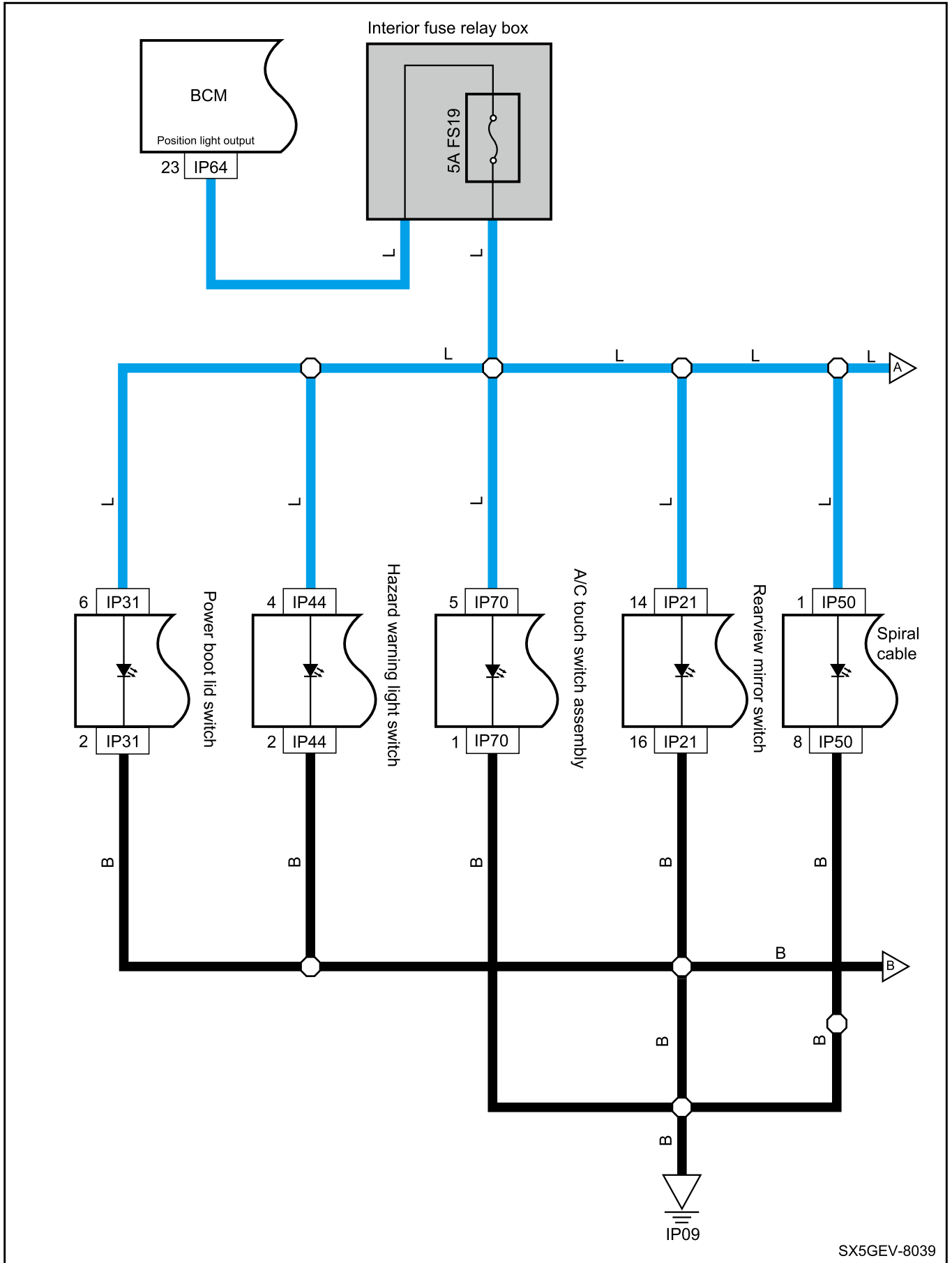


SX5GEV-8038

Harness connector	Name	Page
FR08	Left side compartment light	71
FR10	Right side compartment light	71
FR15	Driver seat sun visor assembly	71
FR16	Front passenger sun visor assembly	71
FR-IP1	Roof harness - instrument panel harness	71
IP07	GND point 10	125
IP64	BCM-J2	46
IP-FR1	Instrument panel harness – roof harness	46

Connection point	Description	Page
A	To interior light 1	234
B	To interior light 1	234
C	To interior light 1	234

Backlight 1

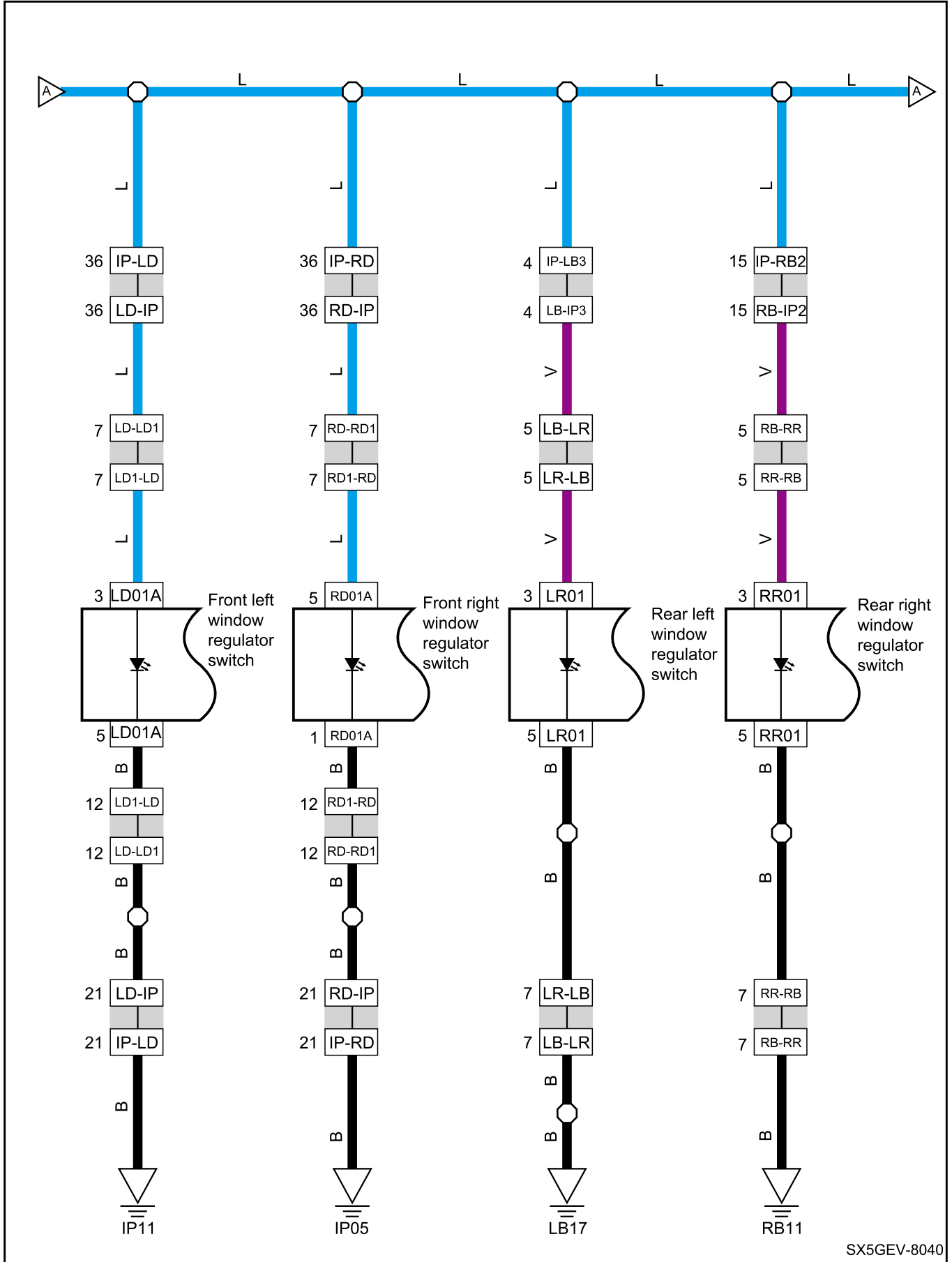


SX5GEV-8039

Harness connector	Name	Page
IP09	GND point 11	125
IP21	Rearview mirror switch	46
IP31	Power boot lid switch	46
IP44	Hazard warning light switch	46
IP50	Spiral cable	46
IP64	BCM-J2	46
IP70	A/C touch switch assembly	46

Connection point	Description	Page
A	Backlight 2	240
B	Backlight 3	242

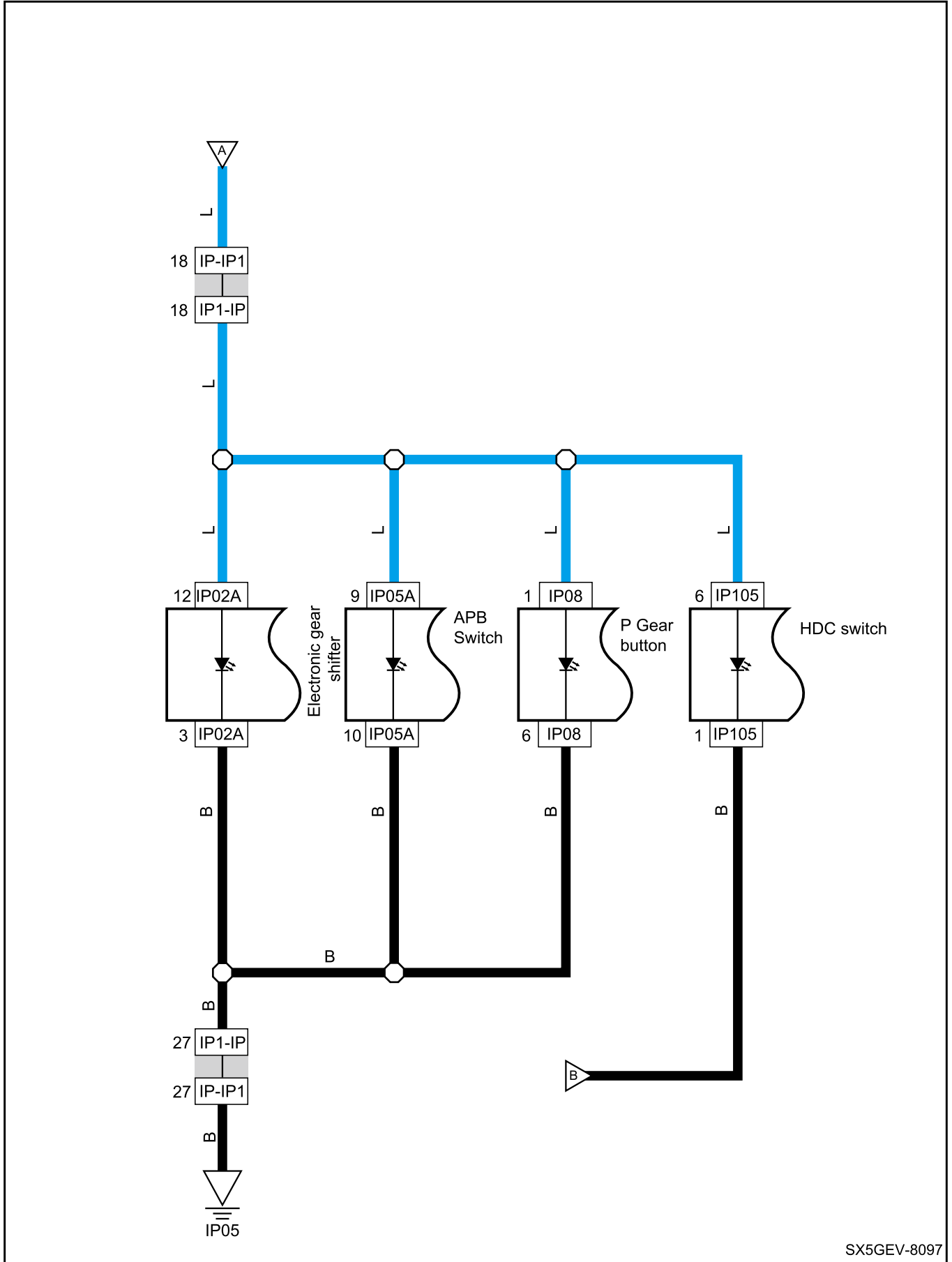
Backlight 2



Harness connector	Name	Page
IP05	GND point 9	125
IP11	GND point 20	125
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
IP-LD	Instrument panel harness – front left door harness	46
IP-RB2	Instrument panel harness - right body harness	46
IP-RD	Instrument panel harness – front right door harness	46
LB17	GND point 26	127
LB-IP3	Left body harness - instrument panel harness 2 (left)	80
LB-LR	Left body harness – rear door harness	80
LD01	Front left window regulator motor	104
LD1-LD	Front left door transition harness – front left door harness	104
LD-IP	Front left door harness – instrument panel harness	104
LD-LD1	Front left door harness – front left door transition harness	104
LR01	Rear left window regulator switch	106
LR-LB	Rear left door harness – left body harness	106
RB11	GND point 22	126
RB-IP2	Right body harness – instrument panel harness 2	81
RB-RR	Right body harness – rear door harness	81
RD01A	Front right window regulator switch	105
RD1-RD	Front right door transition harness – front right door harness	105
RD-IP	Front right door harness – instrument panel harness	105
RD-RD1	Front right door harness – front right door transition harness	105
RR01	Rear right window regulator switch	107
RR-RB	Rear right door harness – right body harness	107

Connection point	Description	Page
A	Backlight 1	238
A	Backlight 3	242

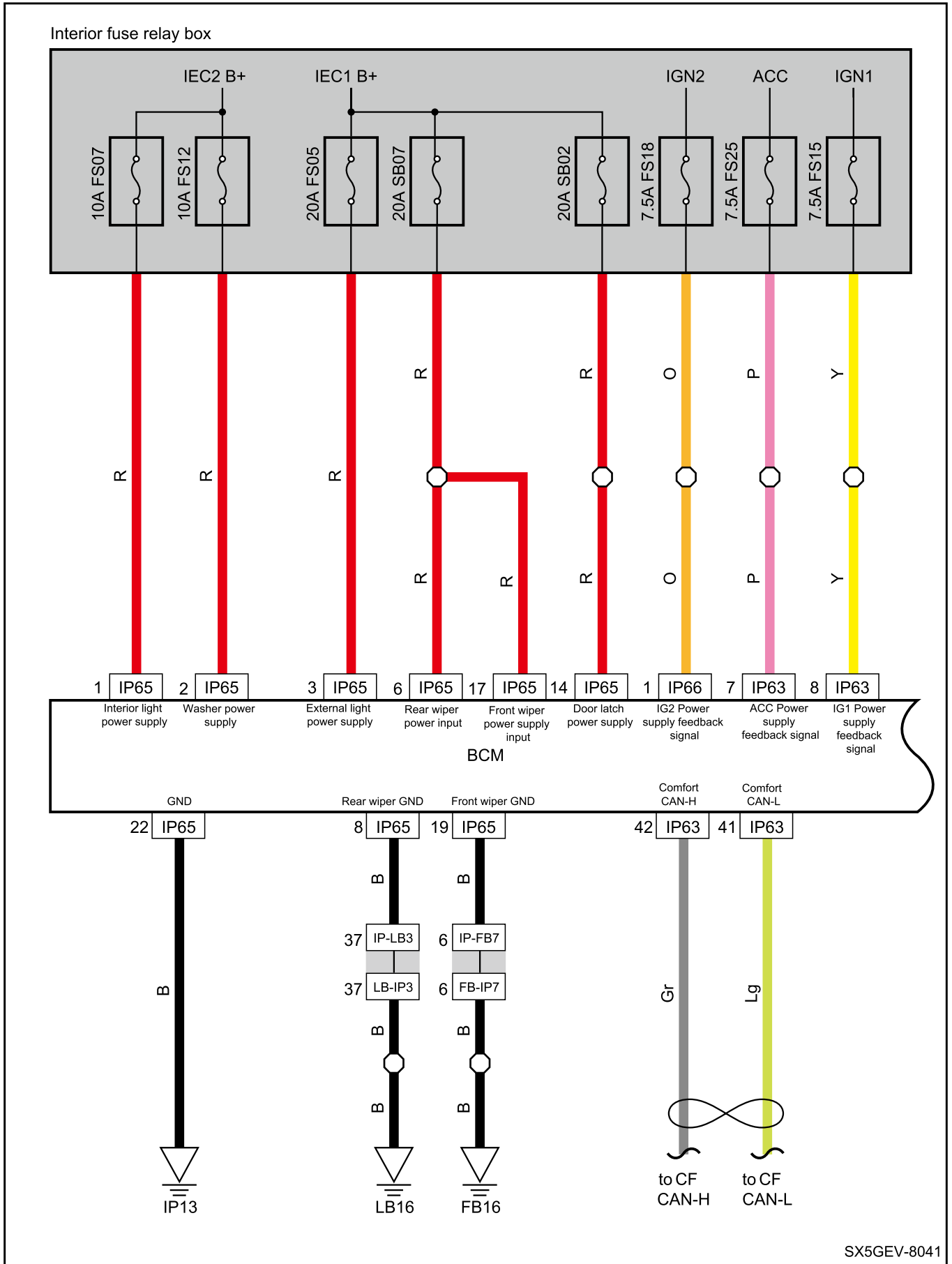
Backlight 3



Harness connector	Name	Page
IP02A	Electronic gear shifter	47
IP05	GND point 9	125
IP05A	APB switch	47
IP08	P gear button	47
IP105	HDC switch	46
IP1-IP	Console harness – instrument panel harness	47
IP-IP1	Instrument panel harness – console harness	46

Connection point	Description	Page
A	Backlight 2	240
B	Backlight 1	238

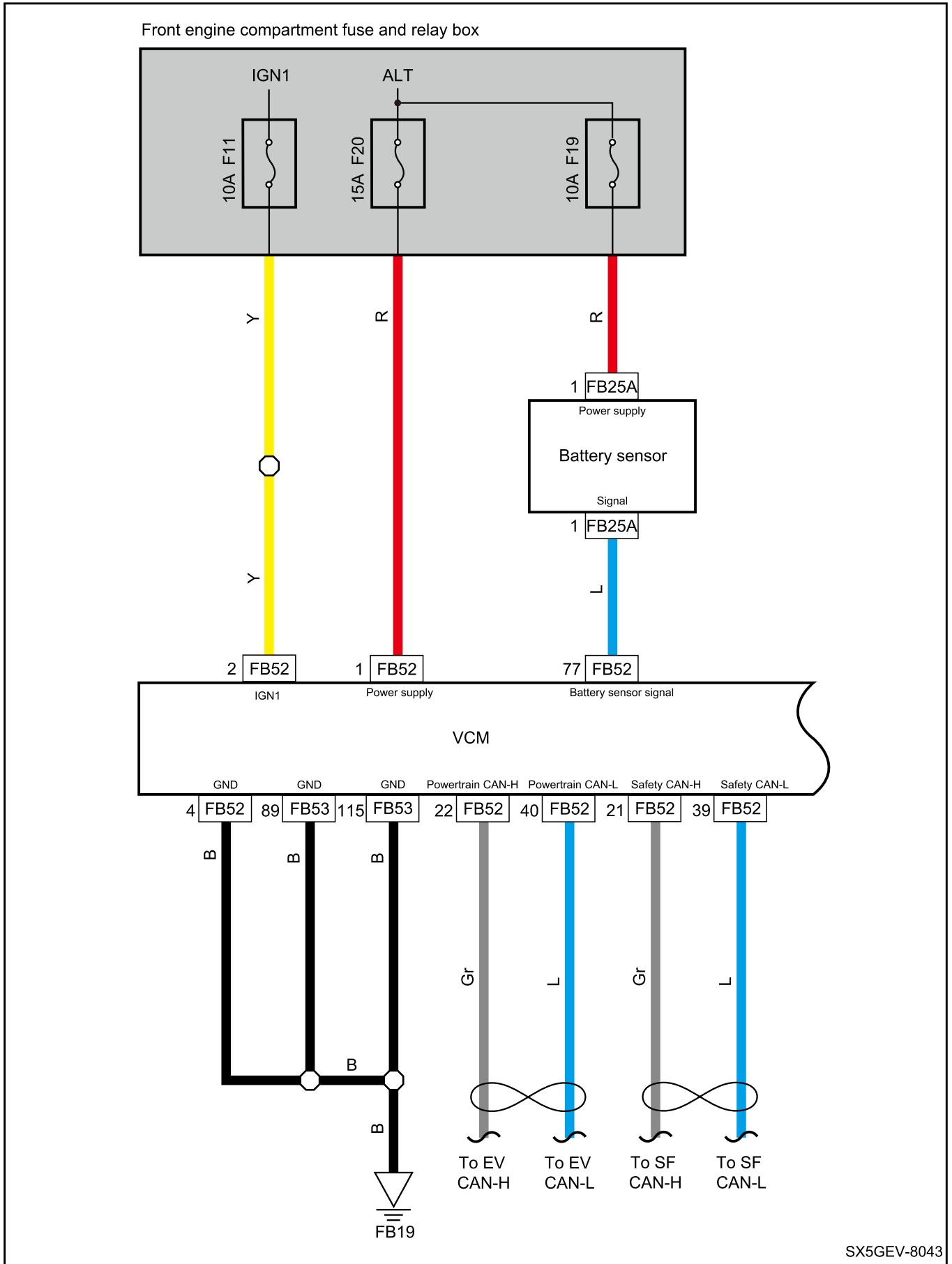
BCM1



Harness connector	Name	Page
FB-IP7	Engine compartment harness - instrument panel harness 2 (left)	31
IP13	GND point 16	125
IP63	BCM-J1	46
IP65	BCM-J3	46
IP66	BCM-J4	46
IP-FB7	Instrument panel harness - engine compartment harness 2 (left)	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
LB16	GND point 25	127
LB-IP3	Left body harness - instrument panel harness 2 (left)	80

Harness connector	Name	Page
IP05	GND point 9	125
IP63	BCM-J1	46
IP64	BCM-J2	46
IP65	BCM-J3	46
IP66	BCM-J4	46

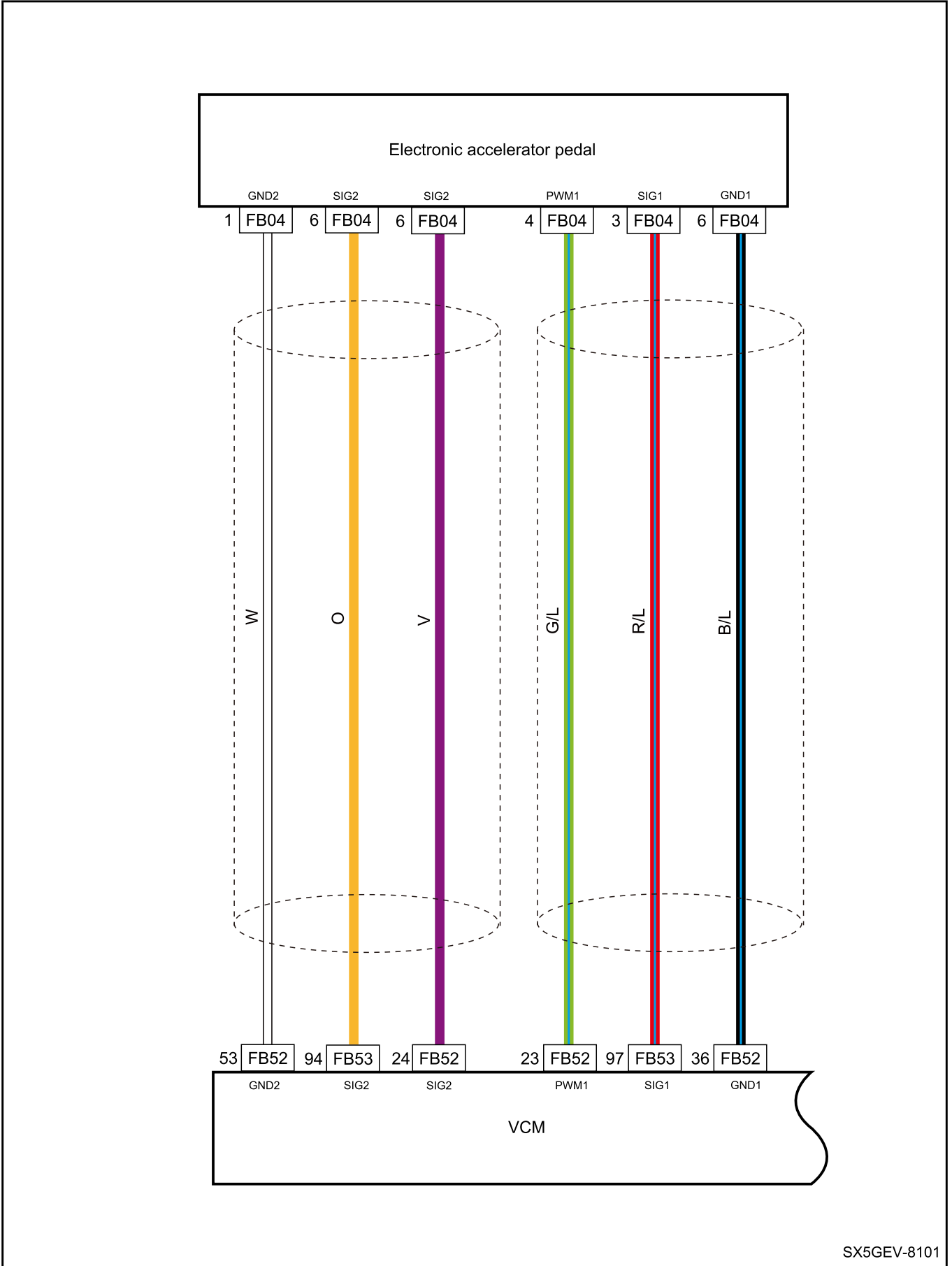
VCM1



SX5GEV-8043

Harness connector	Name	Page
FB19	GND point 6	123
FB52	VCM A	31
FB53	VCM B	31
FB25A	Battery sensor	31

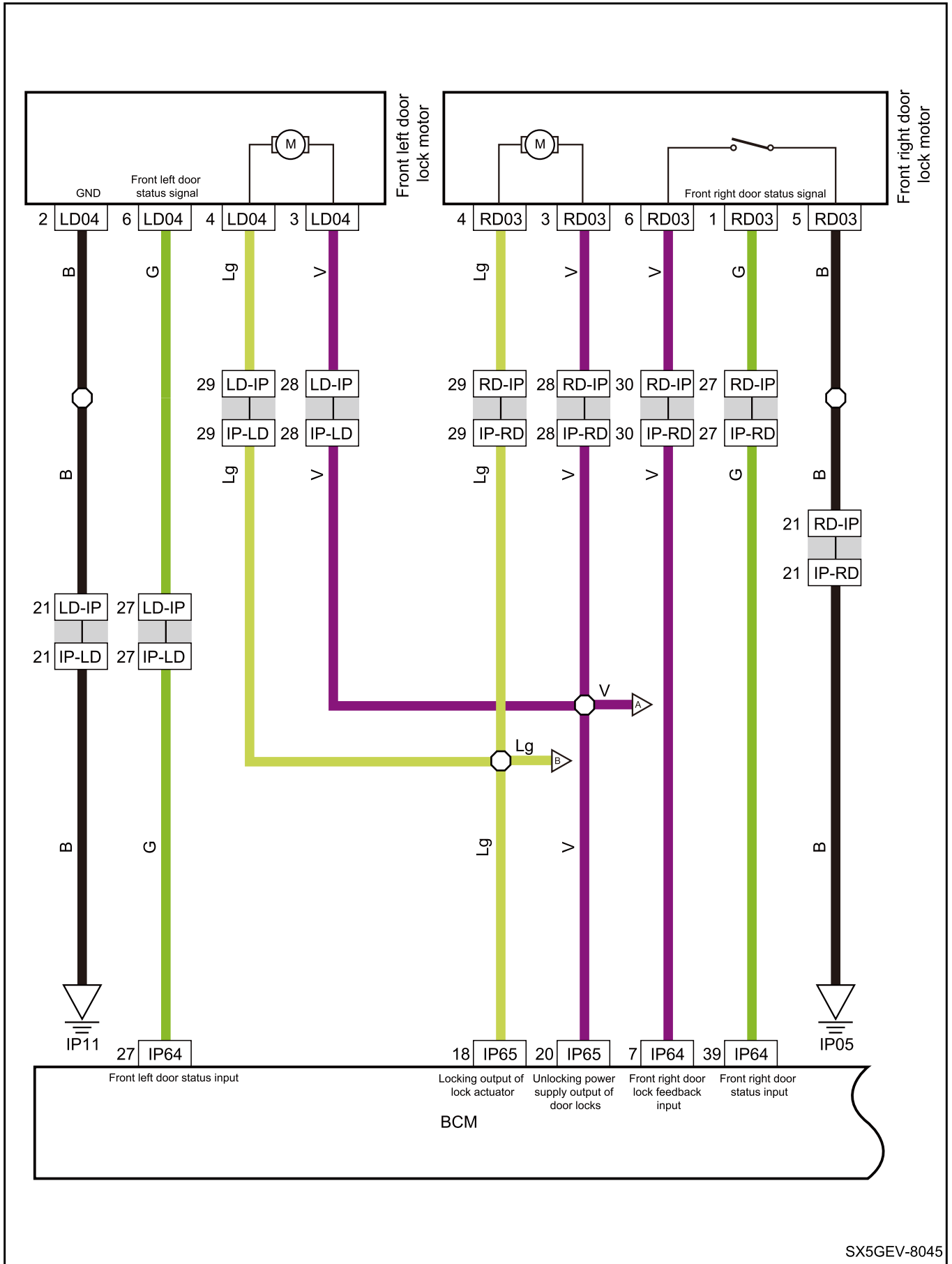
VCM2



SX5GEV-8101

Harness connector	Name	Page
FB04	Electronic accelerator pedal	31
FB52	VCM A	31
FB53	VCM B	31

Central door lock 1

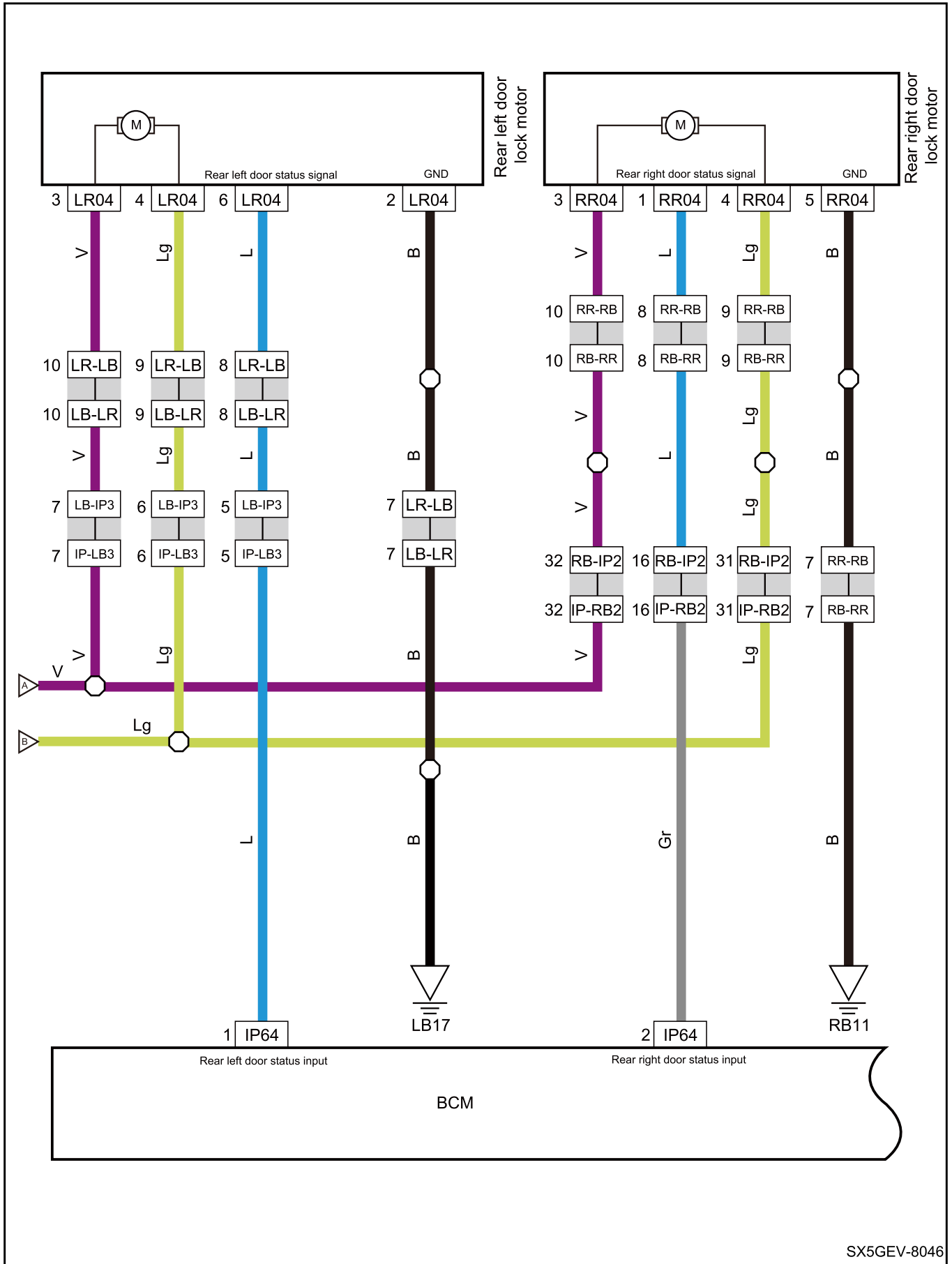


SX5GEV-8045

Harness connector	Name	Page
IP05	GND point 9	125
IP11	GND point 20	125
IP64	BCM-J2	46
IP65	BCM-J3	46
IP-LD	Instrument panel harness – front left door harness	46
IP-RD	Instrument panel harness – front right door harness	46
LD04	Front left door lock motor	104
LD-IP	Front left door harness – instrument panel harness	104
RD03	Front right door lock motor	105
RD-IP	Front right door harness – instrument panel harness	105

Connection point	Description	Page
A	To central door lock 2	254
B	To central door lock 2	254

Central door lock 2

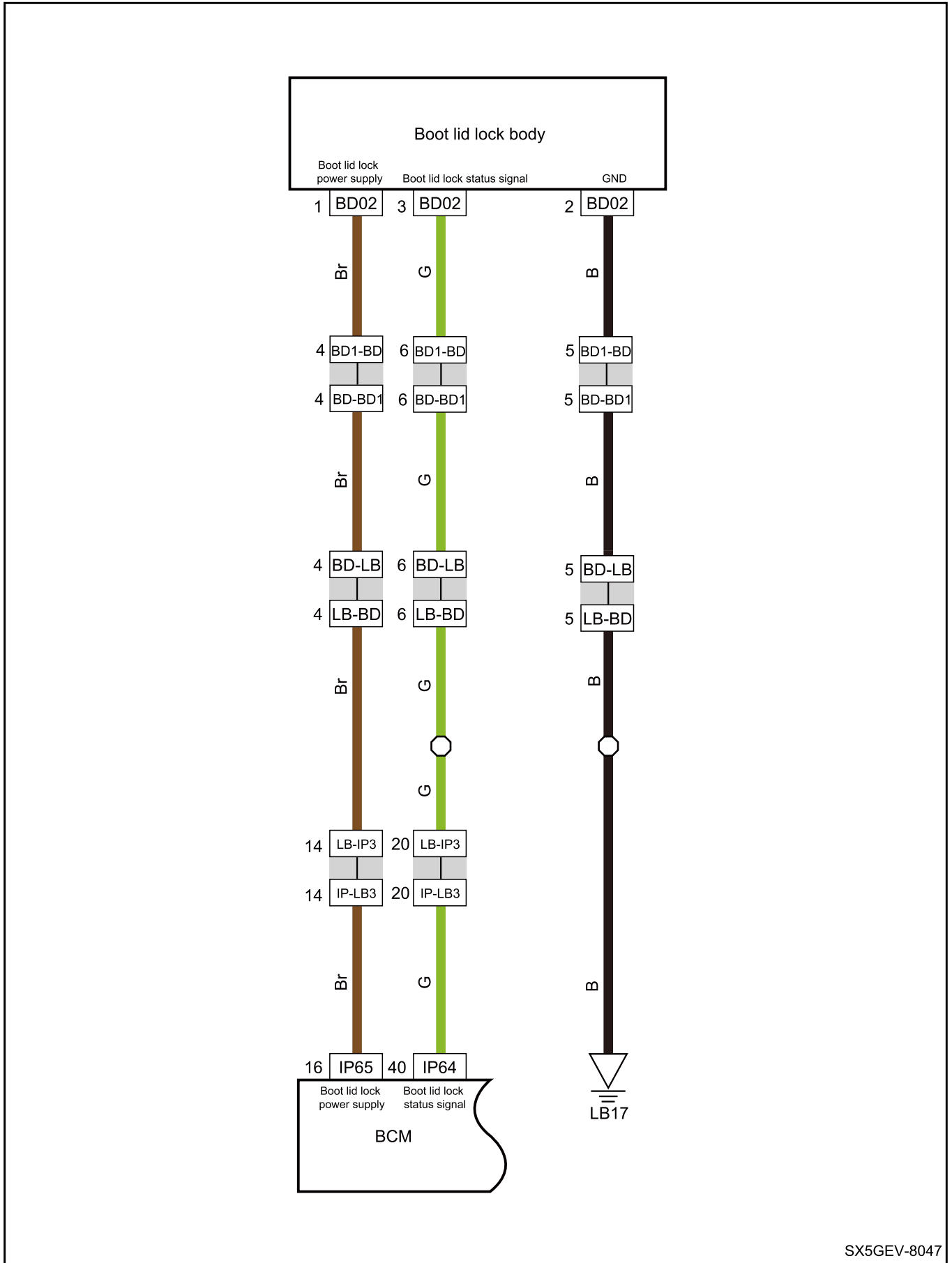


SX5GEV-8046

Harness connector	Name	Page
IP64	BCM-J2	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
IP-RB2	Instrument panel harness - right body harness	46
LB17	GND point 26	127
LB-IP3	Left body harness - instrument panel harness 2 (left)	80
LB-LR	Left body harness – rear door harness	80
LR04	Rear left door lock motor	106
LR-LB	Rear left door harness – left body harness	106
RB11	GND point 22	126
RB-IP2	Right body harness – instrument panel harness 2	81
RB-RR	Right body harness – rear door harness	81
RR04	Rear right door lock motor	107
RR-RB	Rear right door harness – right body harness	107

Connection point	Description	Page
A	To central door lock 1	252
B	To central door lock 1	252

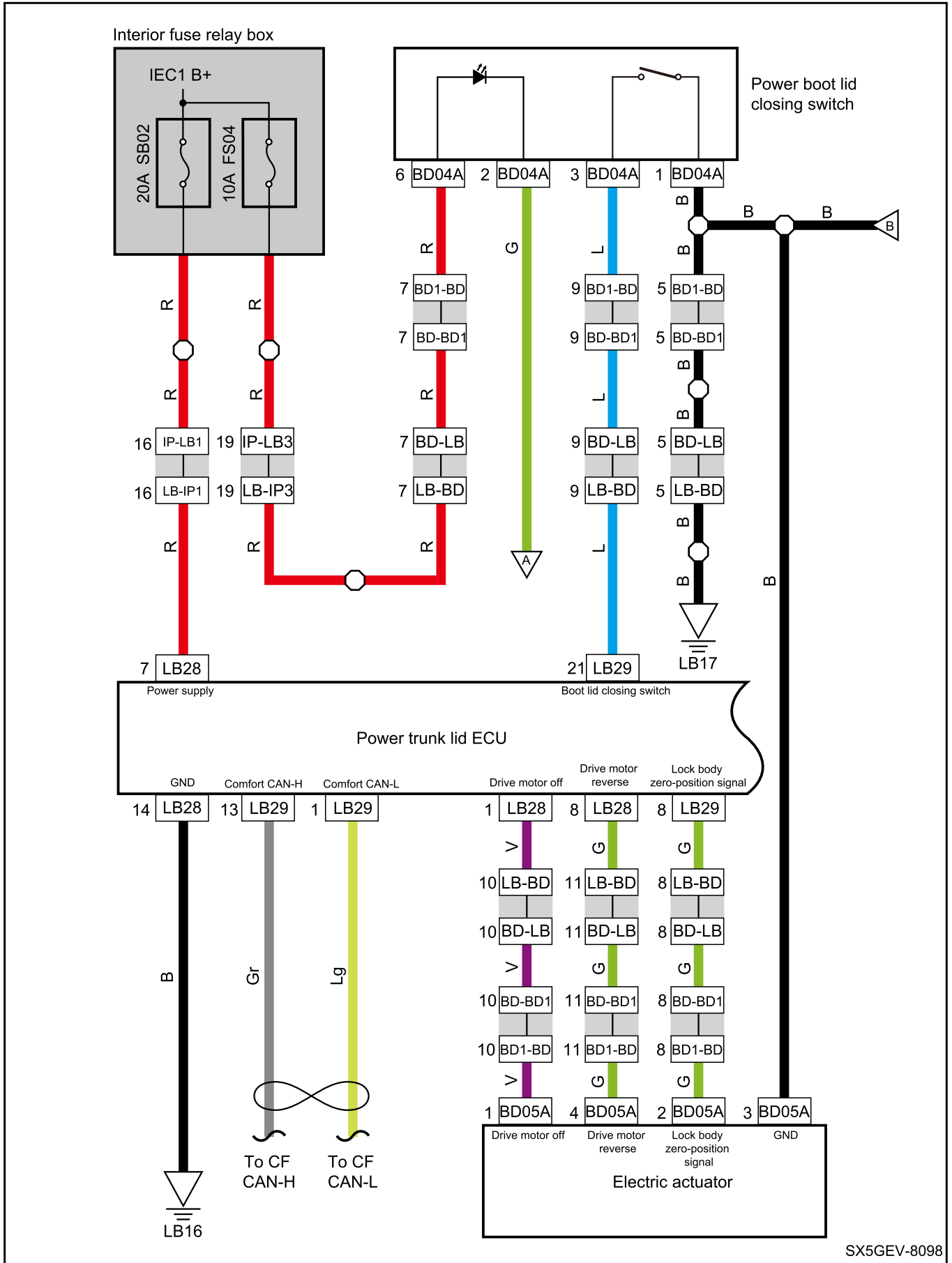
Boot lid lock (luxury model)



SX5GEV-8047

Harness connector	Name	Page
BD02	Boot lid lock body	82
BD1-BD	Boot lid harness – boot lid transition harness	82
BD-BD1	Boot lid transition harness – boot lid harness	82
BD-LB	Boot lid transition harness – left body harness	82
IP64	BCM-J2	46
IP65	BCM-J3	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
LB17	GND point 26	127
LB-BD	Left body harness – boot lid transition harness	80
LB-IP3	Left body harness - instrument panel harness 2 (left)	80

Power boot lid 1 (exclusive model)

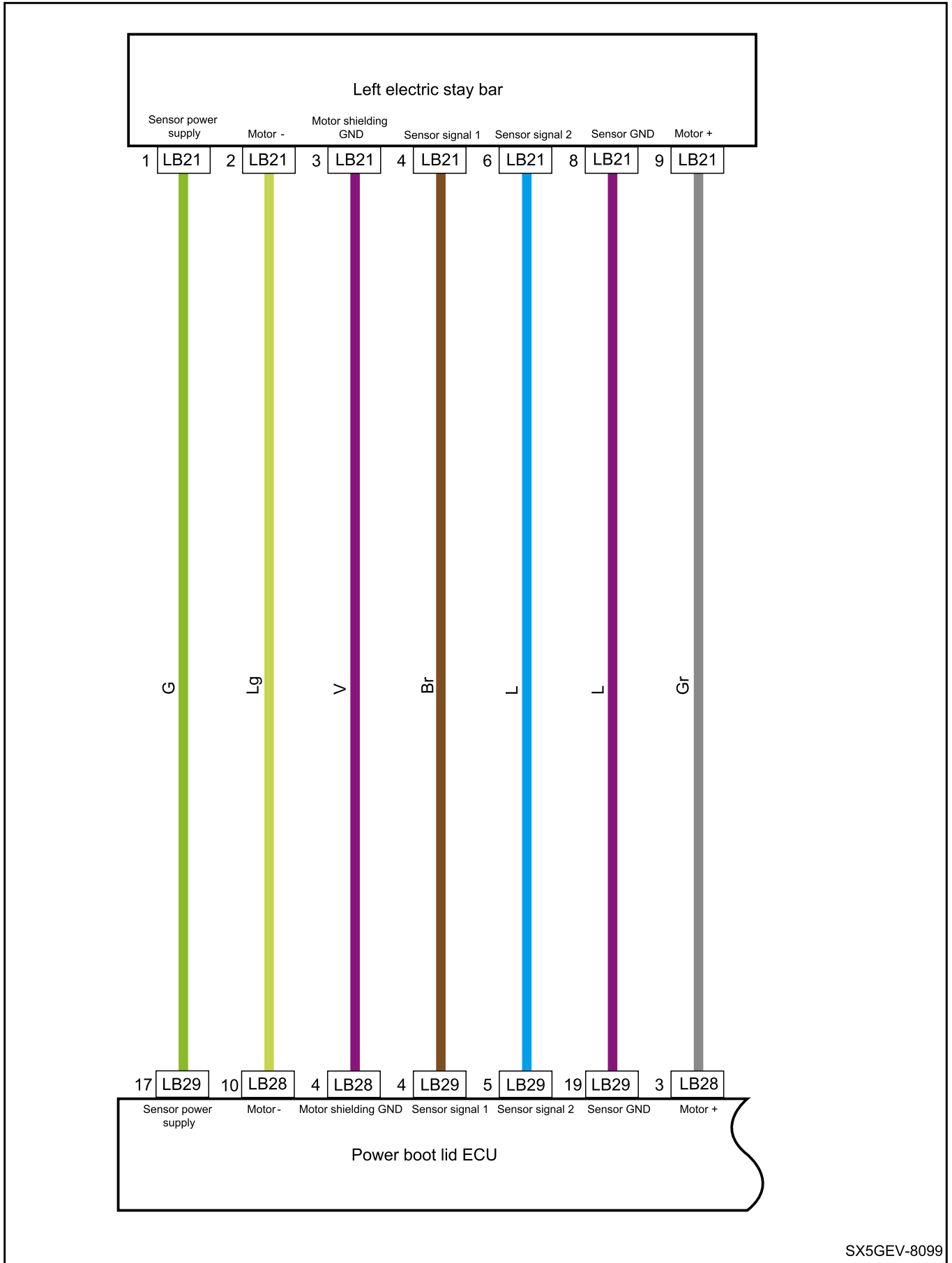


SX5GEV-8098

Harness connector	Name	Page
BD04A	Power boot lid closing switch	82
BD05A	Electric actuator	82
BD1-BD	Boot lid transition harness – boot lid harness	82
BD-BD1	Boot lid transition harness – left body harness	82
BD-LB	Boot lid harness – boot lid transition harness	82
IP-LB1	Instrument panel harness - left body harness 1 (left)	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
LB16	GND point 25	127
LB17	GND point 26	127
LB28	Power boot lid ECU A	80
LB29	Power boot lid ECU B	80
LB-BD	Left body harness – boot lid transition harness	80
LB-IP1	Left body harness - instrument panel harness 1 (left)	80
LB-IP3	Left body harness - instrument panel harness 2 (left)	80

Connection point	Description	Page
A	To power boot lid 3 (exclusive model)	262
B	To power boot lid 3 (exclusive model)	262

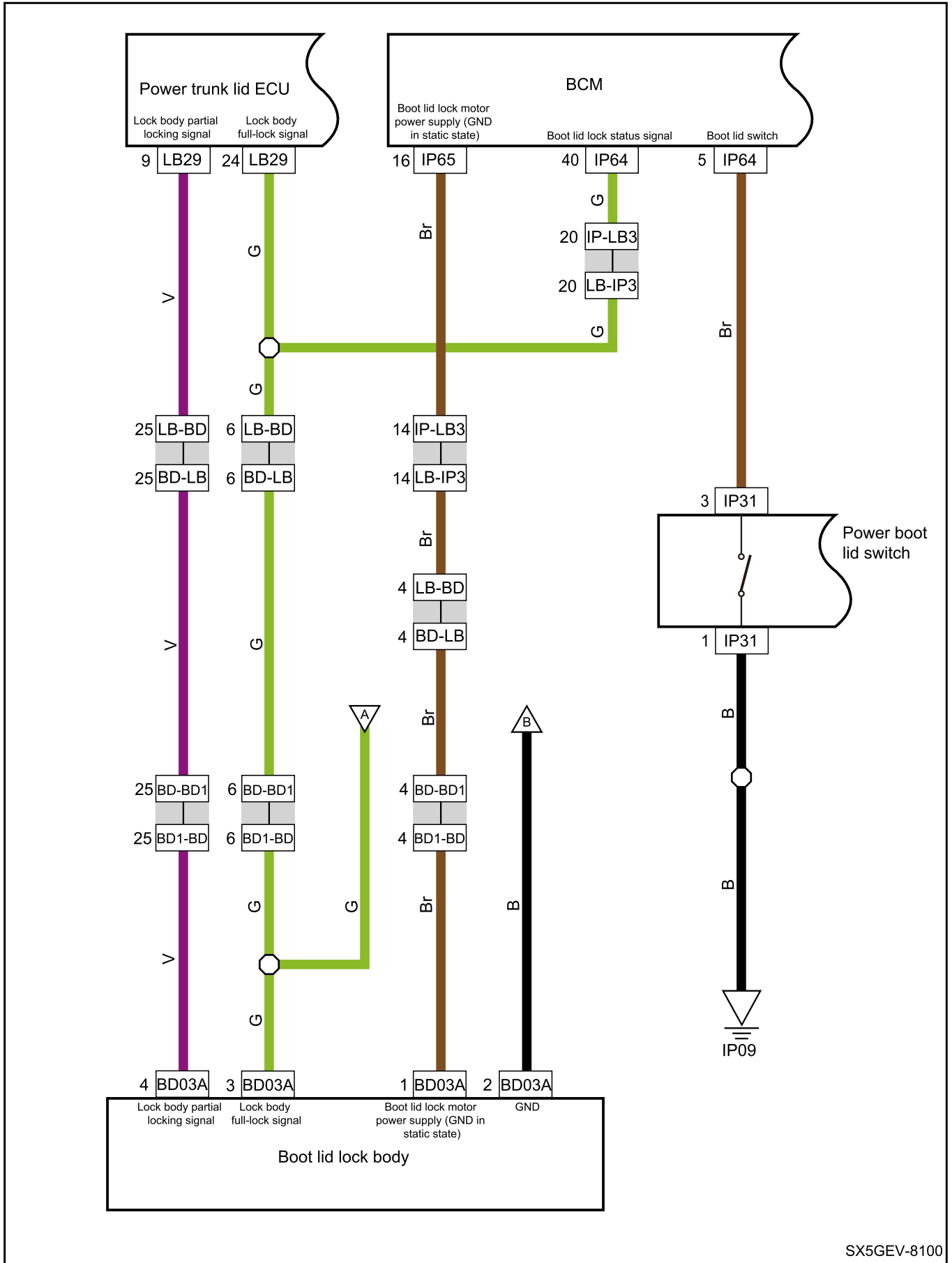
Power boot lid 2 (exclusive model)



SX5GEV-8099

Harness connector	Name	Page
LB21	Left electric stay bar	80
LB28	Power boot lid ECU A	80
LB29	Power boot lid ECU B	80

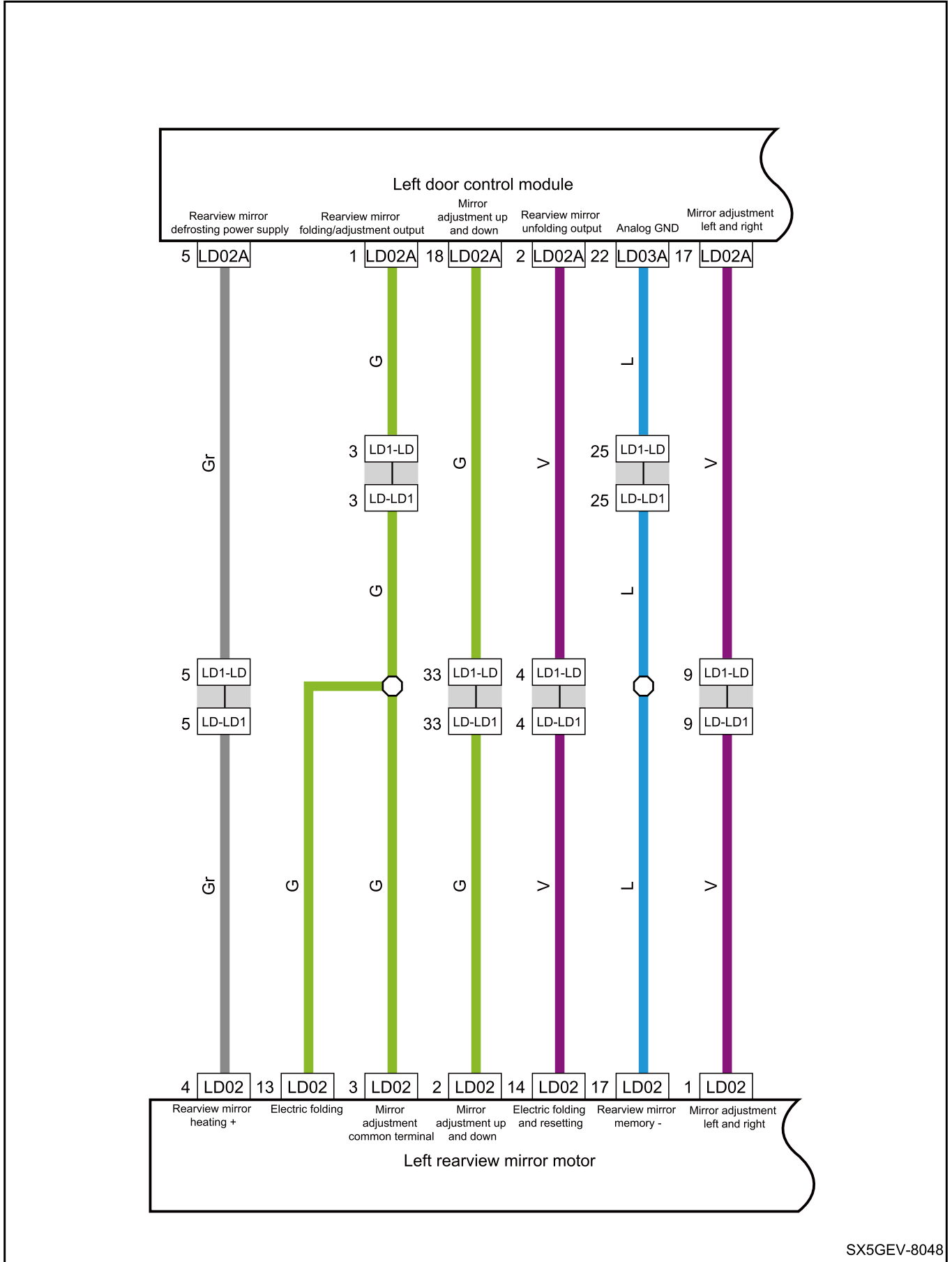
Power boot lid 3 (exclusive model)



Harness connector	Name	Page
BD-LB	Boot lid transition harness – left body harness	82
IP09	GND point 11	125
IP31	Power boot lid switch	46
IP64	BCM-J2	46
IP65	BCM-J3	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
LB29	Power boot lid ECU B	80
LB-BD	Left body harness – boot lid transition harness	80
LB-IP3	Left body harness - instrument panel harness 2 (left)	80

Connection point	Description	Page
A	To power boot lid 1 (exclusive model)	258
B	To power boot lid 1 (exclusive model)	258

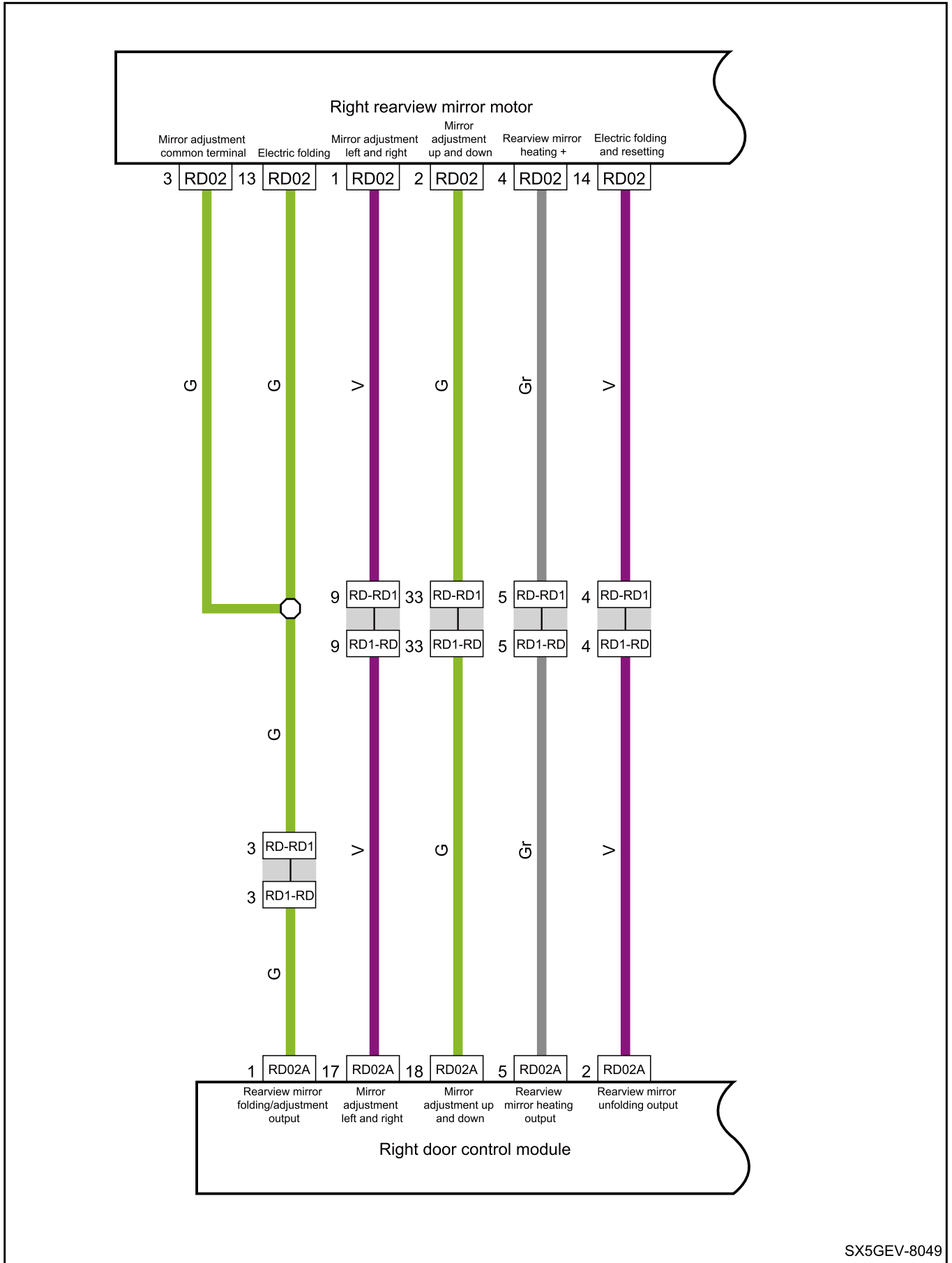
Rearview Mirror Control System 1



SX5GEV-8048

Harness connector	Name	Page
LD02	Left rearview mirror motor	104
LD02A	Left door control module A	104
LD03A	Left door control module B	104
LD1-LD	Front left door transition harness – front left door harness	104
LD-LD1	Front left door harness – front left door transition harness	104

Rearview Mirror Control System 2



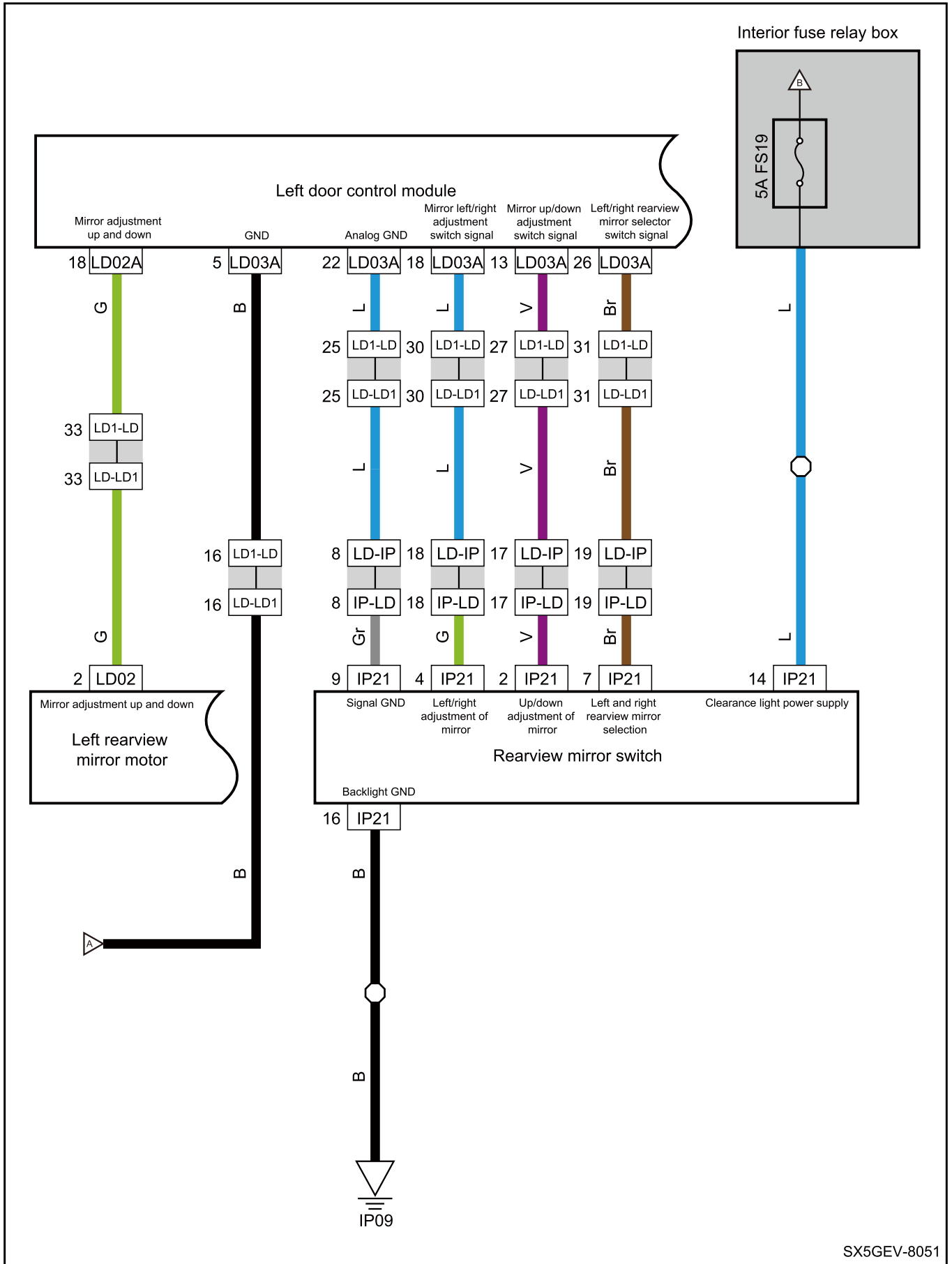
SX5GEV-8049

Harness connector	Name	Page
RD02	Right rearview mirror motor	105
RD02A	Right door control module A	105
RD1-RD	Front right door transition harness – front right door harness	105
RD-RD1	Front right door harness – front right door transition harness	105

Harness connector	Name	Page
IP07	GND point 10	125
IP-LD	Instrument panel harness – front left door harness	46
LD02	Left rearview mirror motor	104
LD02A	Left door control module A	104
LD03A	Left door control module B	104
LD1-LD	Front left door transition harness – front left door harness	104
LD-IP	Front left door harness – instrument panel harness	104
LD-LD1	Front left door harness – front left door transition harness	104

Connection point	Description	Page
A	To electric exterior rearview mirror 2	270

Electric Exterior Rearview Mirror 2

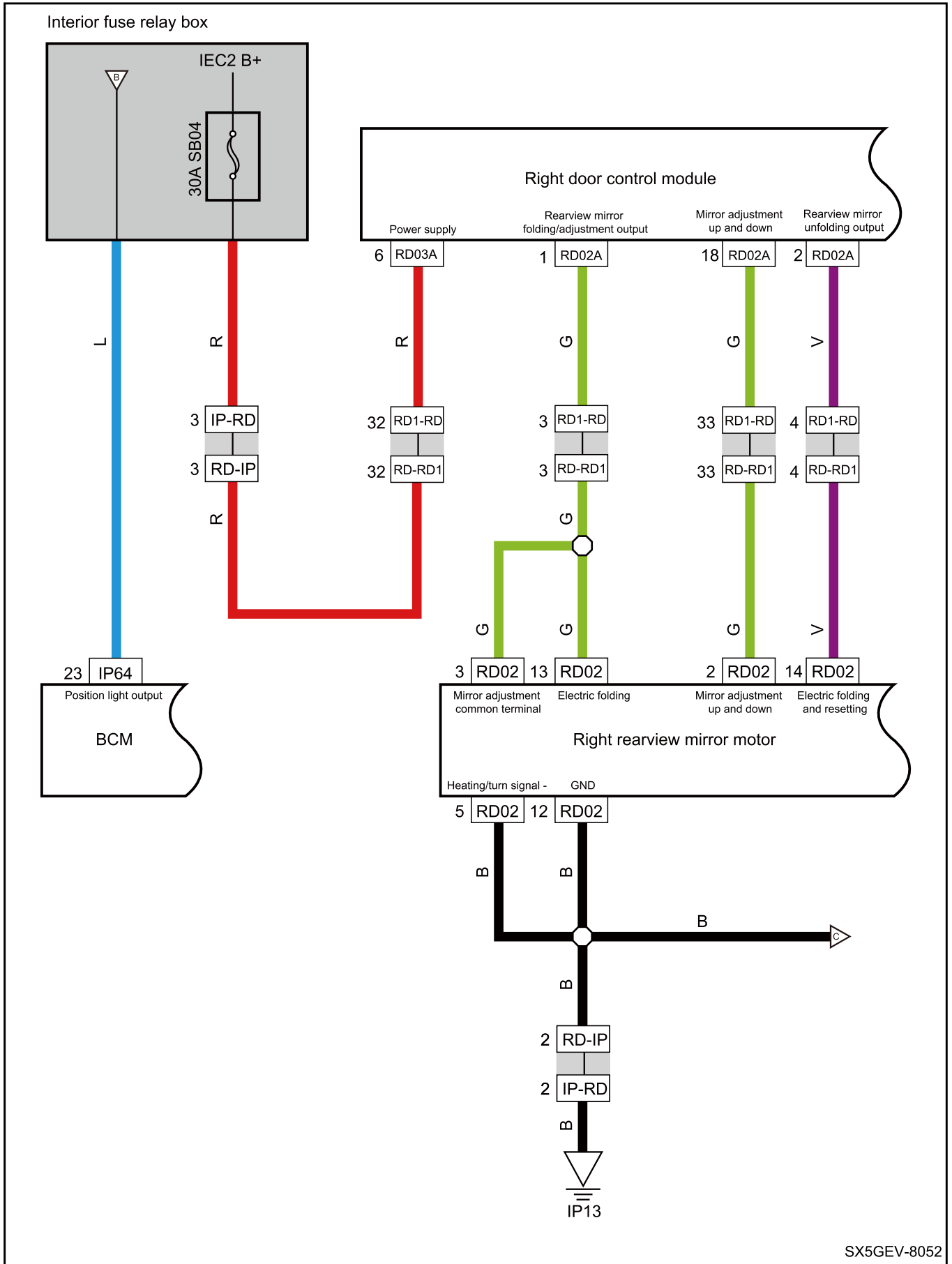


SX5GEV-8051

Harness connector	Name	Page
IP09	GND point 11	125
IP21	Rearview mirror switch	46
IP-LD	Instrument panel harness – front left door harness	46
LD02	Left rearview mirror motor	104
LD02A	Left door control module A	104
LD03A	Left door control module B	104
LD1-LD	Front left door transition harness – front left door harness	104
LD-IP	Front left door harness – instrument panel harness	104
LD-LD1	Front left door harness – front left door transition harness	104

Connection point	Description	Page
A	To electric exterior rearview mirror 1	268
B	To electric exterior rearview mirror 3	272

Electric Exterior Rearview Mirror 3

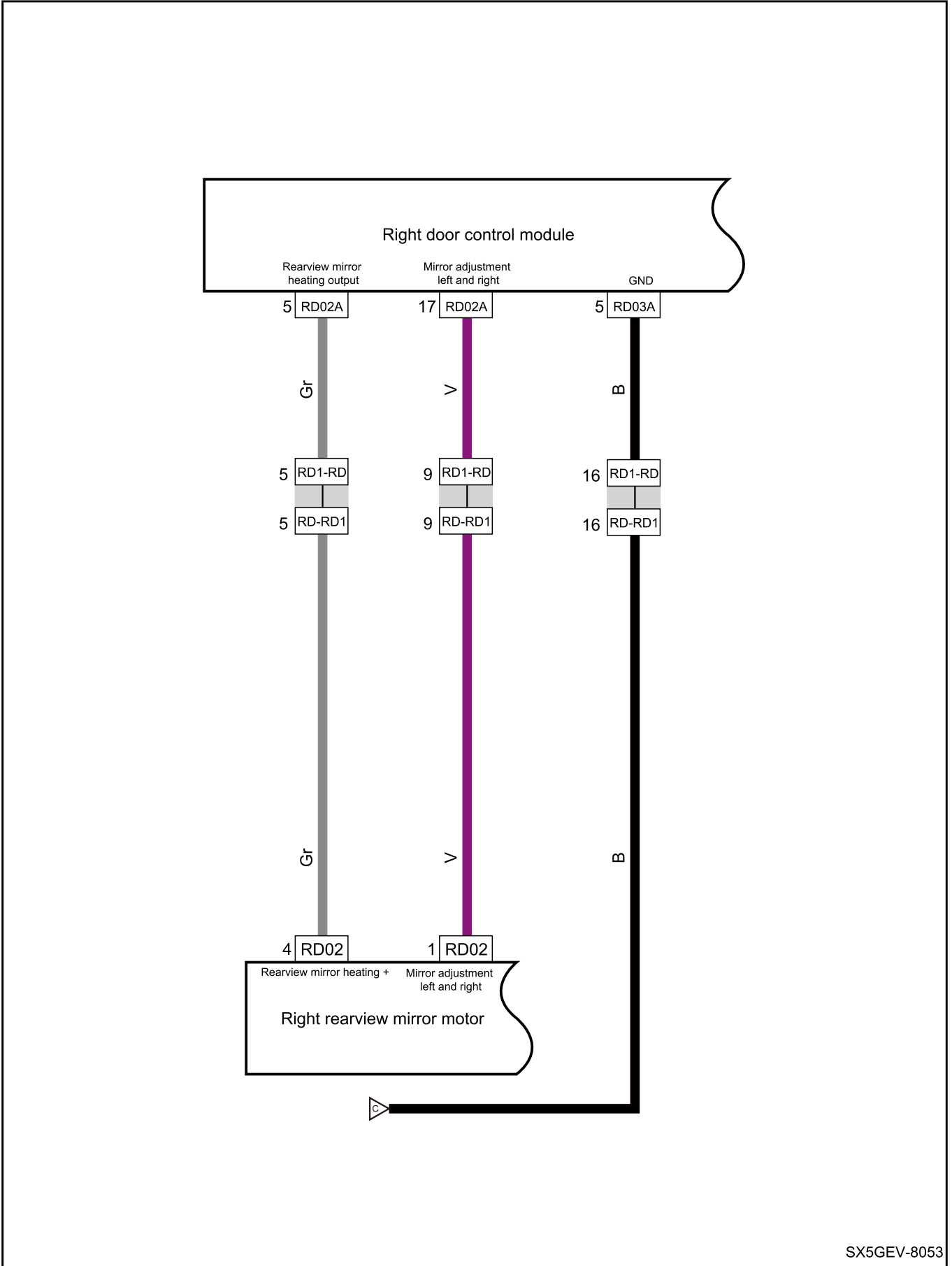


SX5GEV-8052

Harness connector	Name	Page
IP13	GND point 16	125
IP64	BCM-J2	46
IP-RD	Instrument panel harness – front right door harness	46
RD02	Right rearview mirror motor	105
RD02A	Right door control module A	105
RD03A	Right door control module B	105
RD1-RD	Front right door transition harness – front right door harness	105
RD-IP	Front right door harness – instrument panel harness	105
RD-RD1	Front right door harness – front right door transition harness	105

Connection point	Description	Page
B	To electric exterior rearview mirror 2	270
C	To electric exterior rearview mirror 4	274

Electric exterior rearview mirror 4

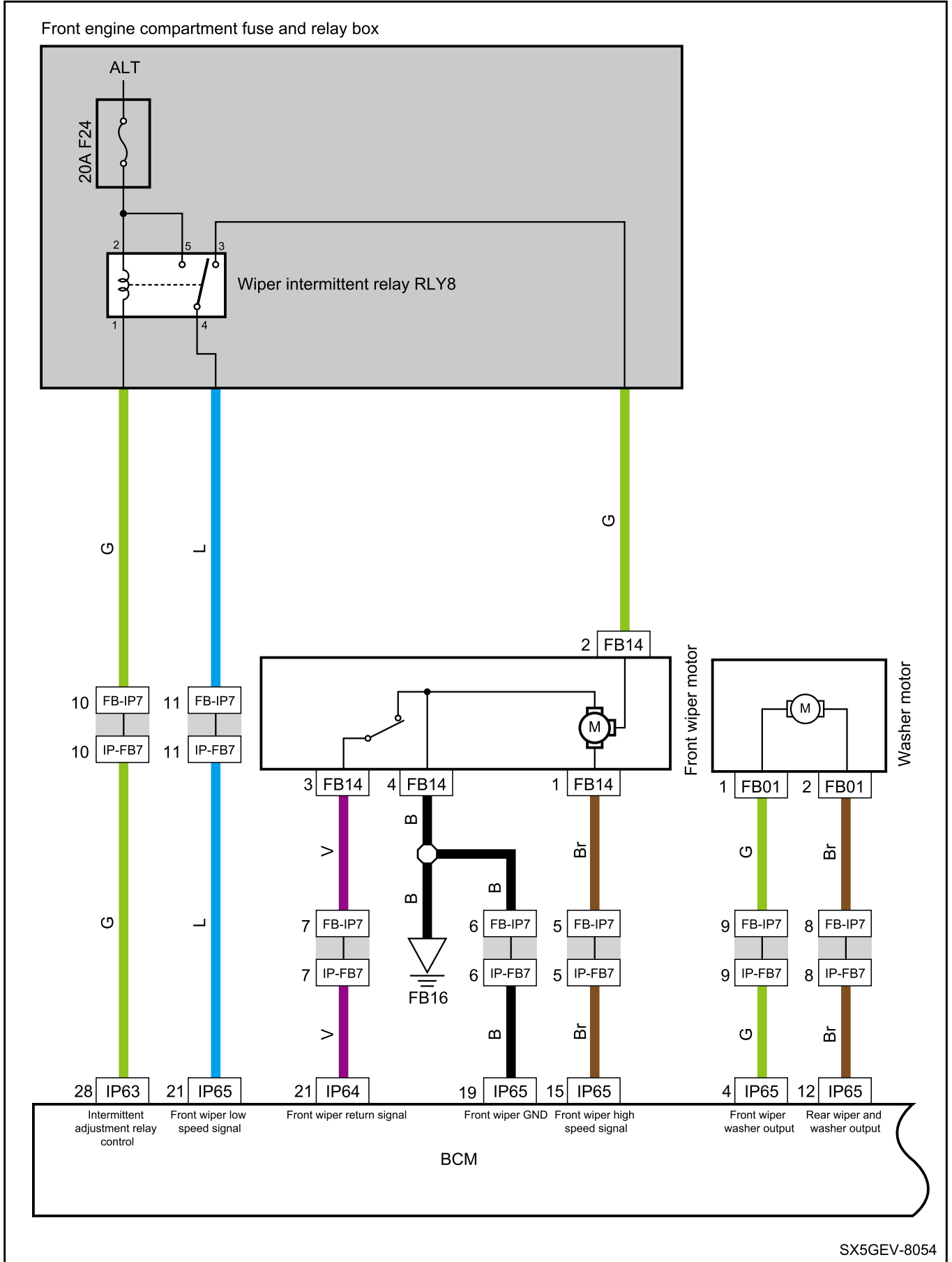


SX5GEV-8053

Harness connector	Name	Page
RD02	Right rearview mirror motor	105
RD02A	Right door control module A	105
RD03A	Right door control module B	105
RD1-RD	Front right door transition harness – front right door harness	105
RD-RD1	Front right door harness – front right door transition harness	105

Connection point	Description	Page
C	To electric exterior rearview mirror 3	272

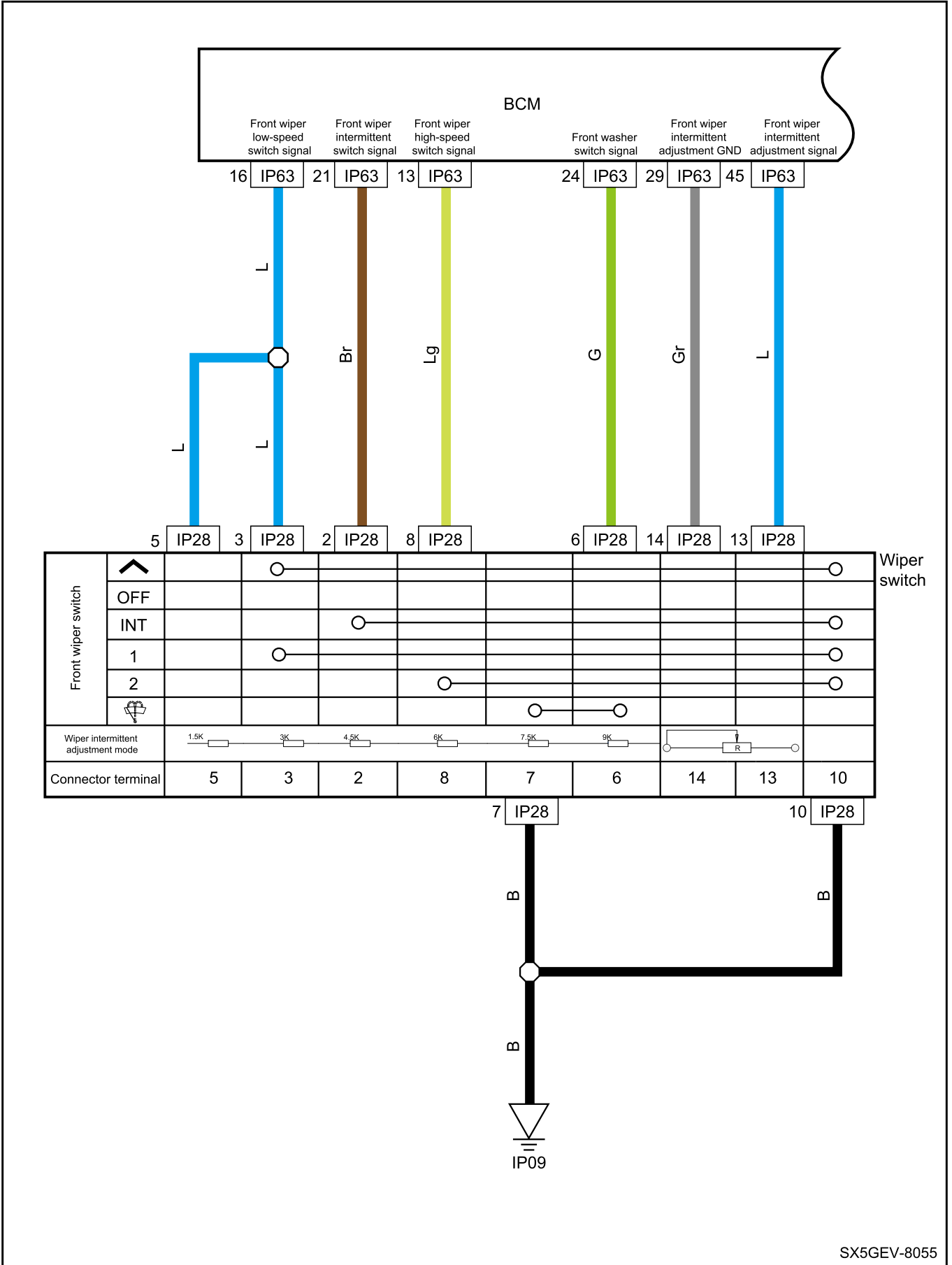
Front Wiper and Washer System 1



SX5GEV-8054

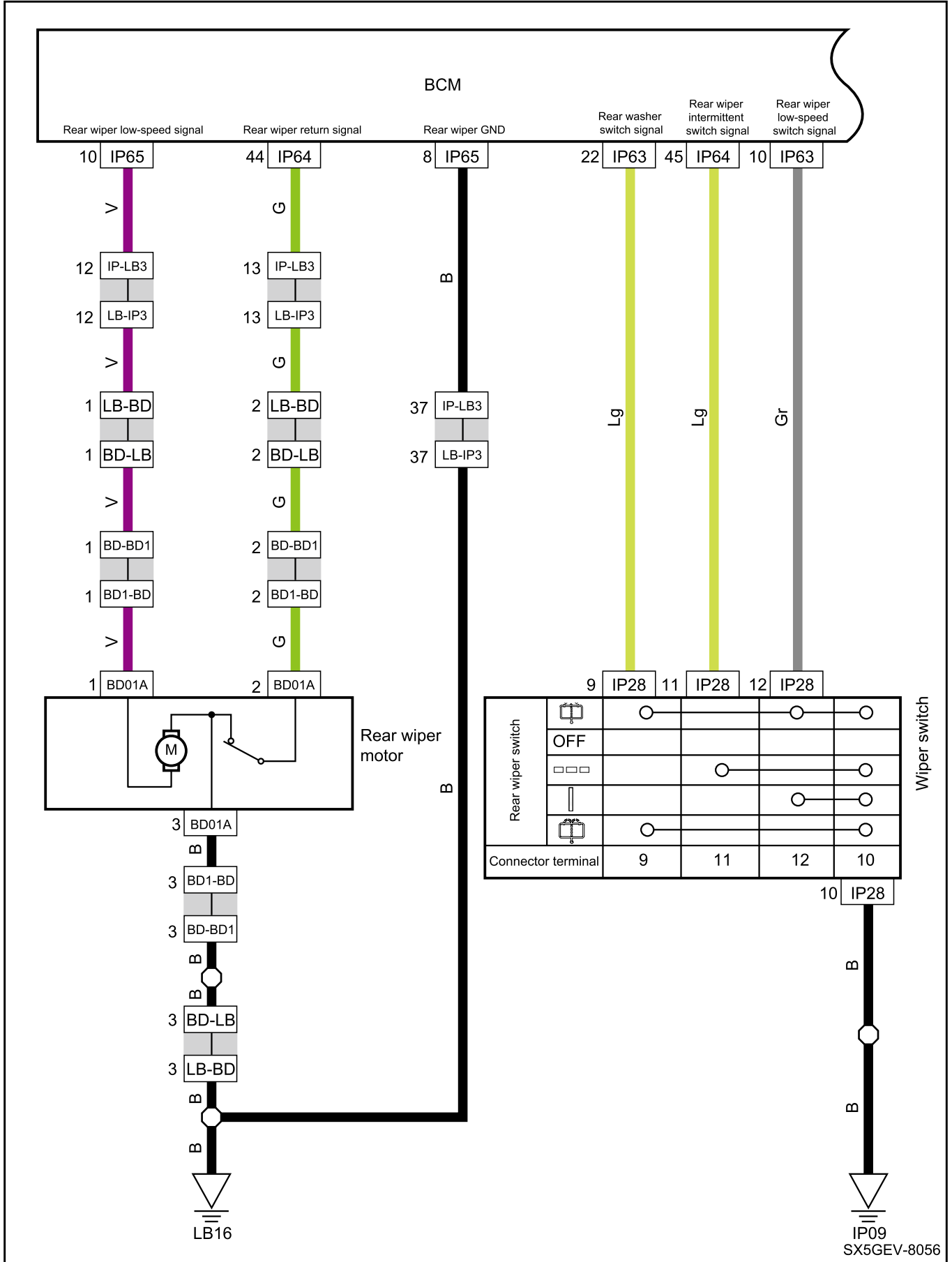
Harness connector	Name	Page
FB01	Washer motor	31
FB14	Front wiper motor	31
FB16	GND point 7	123
FB-IP7	Engine compartment harness - instrument panel harness 2 (left)	31
IP63	BCM-J1	46
IP64	BCM-J2	46
IP65	BCM-J3	46
IP-FB7	Instrument panel harness - engine compartment harness 2 (left)	46

Front Wiper and Washer System 2



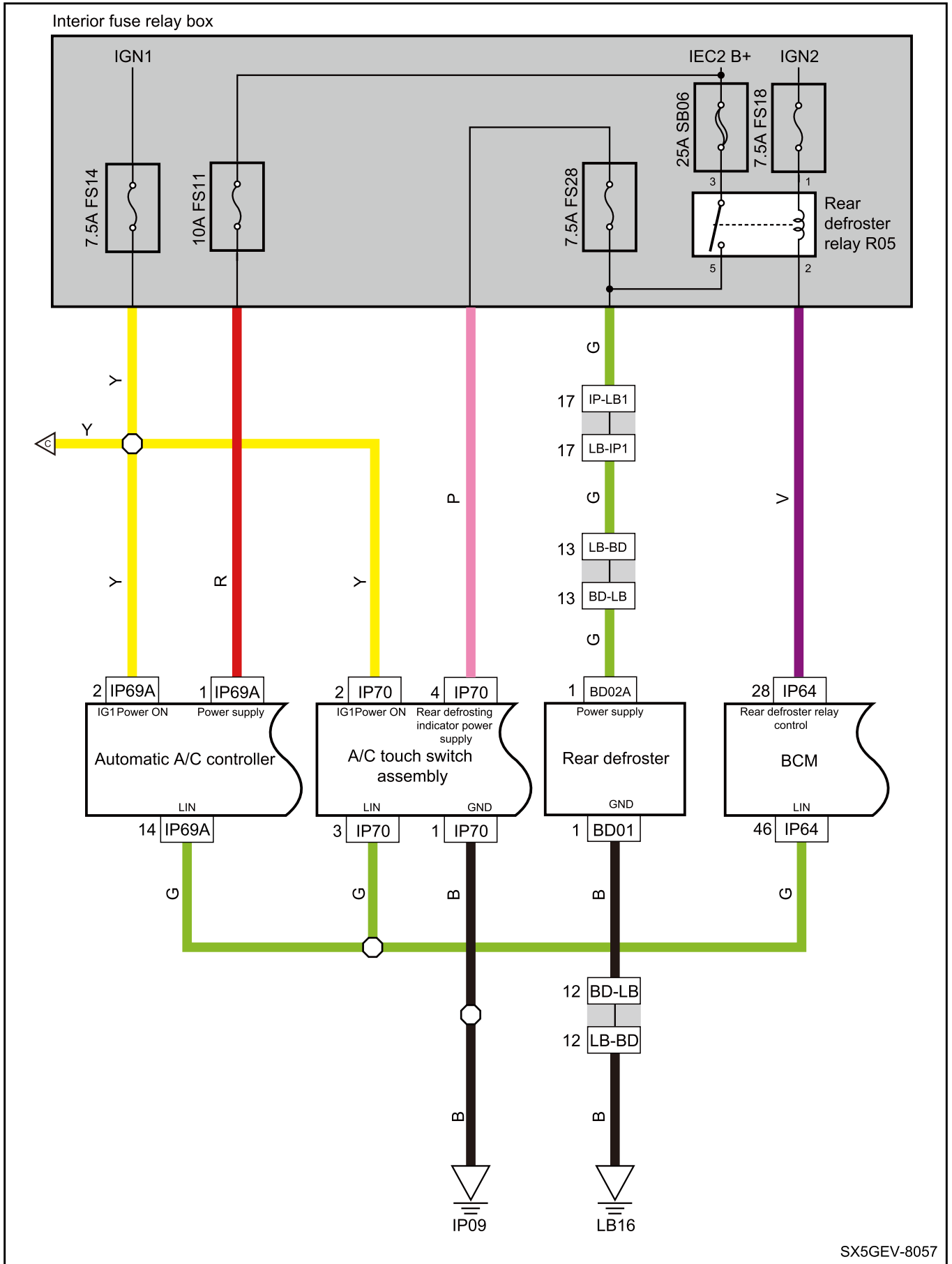
Harness connector	Name	Page
IP09	GND point 11	125
IP28	Wiper switch	46
IP63	BCM-J1	46

Rear wiper and washer system



Harness connector	Name	Page
BD01A	Rear wiper motor	82
BD1-BD	Boot lid harness – boot lid transition harness	82
BD-BD1	Boot lid transition harness – boot lid harness	82
BD-LB	Boot lid transition harness – left body harness	82
IP09	GND point 11	125
IP28	Wiper switch	46
IP63	BCM-J1	46
IP64	BCM-J2	46
IP65	BCM-J3	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
LB16	GND point 25	127
LB-BD	Left body harness – boot lid transition harness	80
LB-IP3	Left body harness - instrument panel harness 2 (left)	80

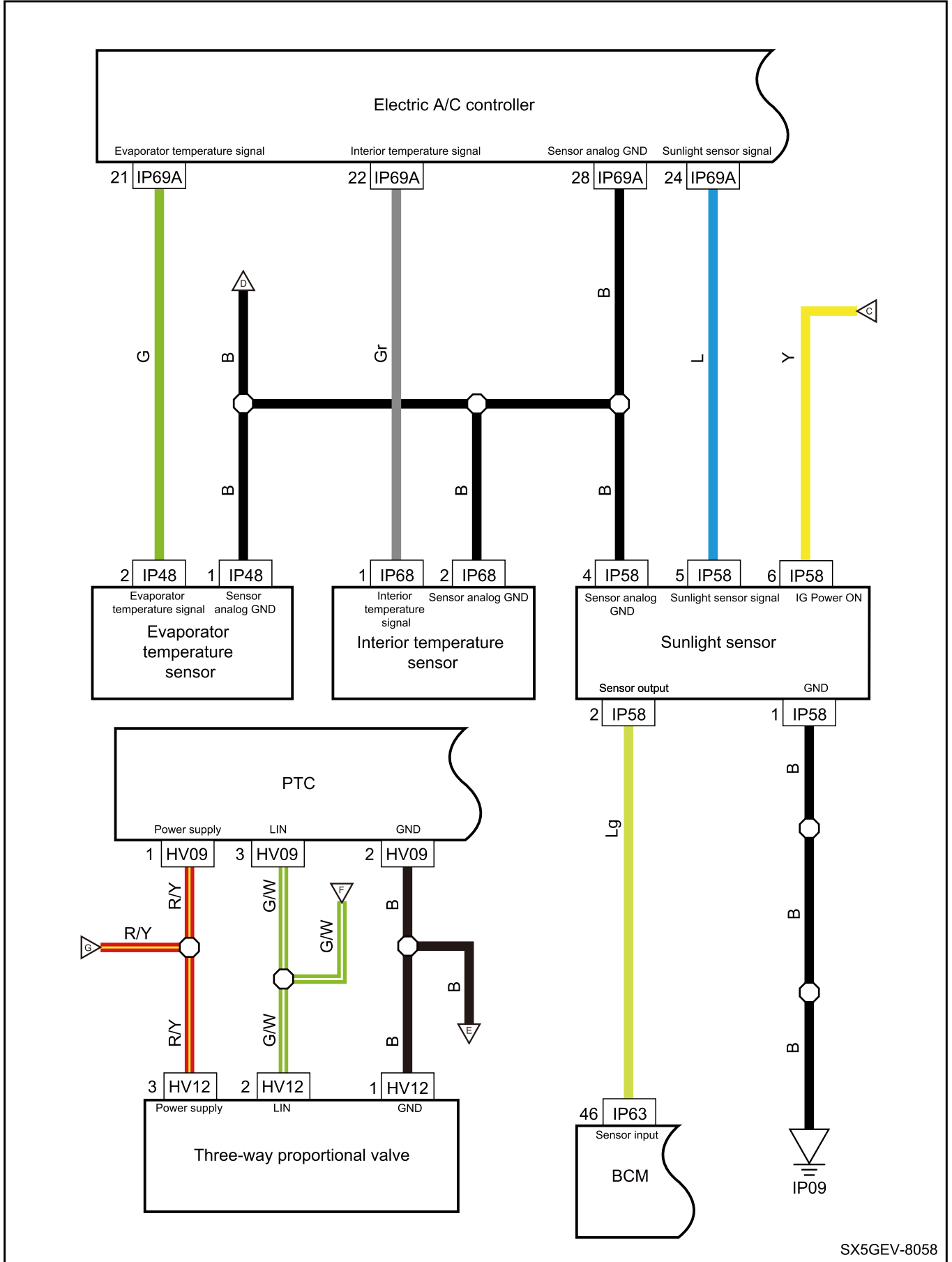
Automatic A/C 1



Harness connector	Name	Page
BD01	Rear defroster GND	82
BD02A	Rear defroster power supply	82
BD-LB	Boot lid transition harness – left body harness	82
IP09	GND point 11	125
IP64	BCM-J2	46
IP69A	Automatic A/C controller A	46
IP70	A/C touch switch assembly	46
IP-LB1	Instrument panel harness - left body harness 1 (left)	46
LB16	GND point 25	127
LB-BD	Left body harness – boot lid transition harness	80
LB-IP1	Left body harness - instrument panel harness 1 (left)	80

Connection point	Description	Page
C	To automatic A/C 2	284

Automatic A/C 2

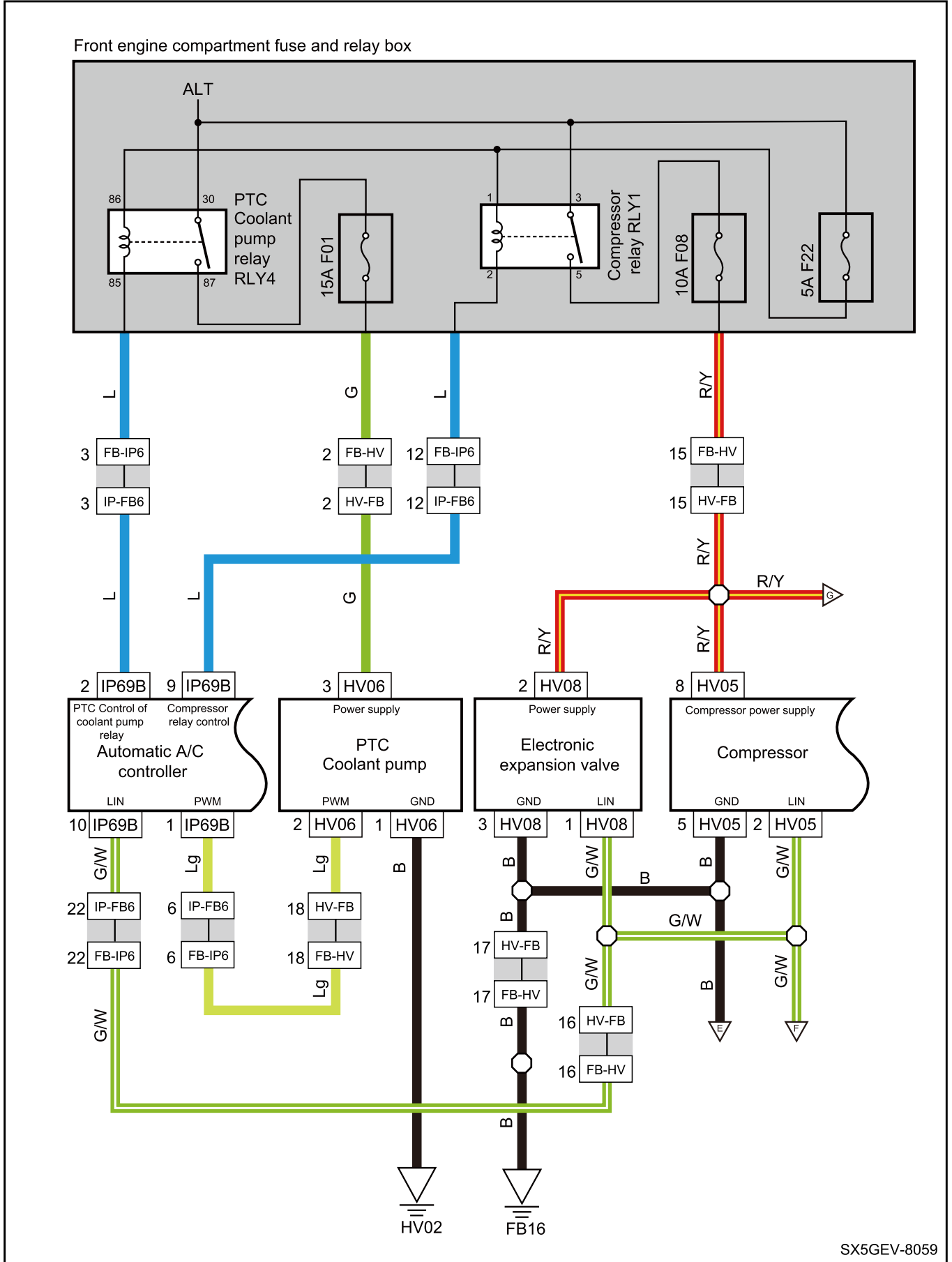


SX5GEV-8058

Harness connector	Name	Page
HV09	PTC	26
HV12	Three-way proportional valve	26
IP05	GND point 9	125
IP48	Evaporator temperature sensor	46
IP58	Sunlight sensor	46
IP63	BCM-J1	46
IP68	Interior temperature sensor	46
IP69A	Automatic A/C controller A	46

Connection point	Description	Page
C	To automatic A/C 1	282
D	To automatic A/C 4	412
E	To automatic A/C 3	286
F	To automatic A/C 3	286
G	To automatic A/C 3	286

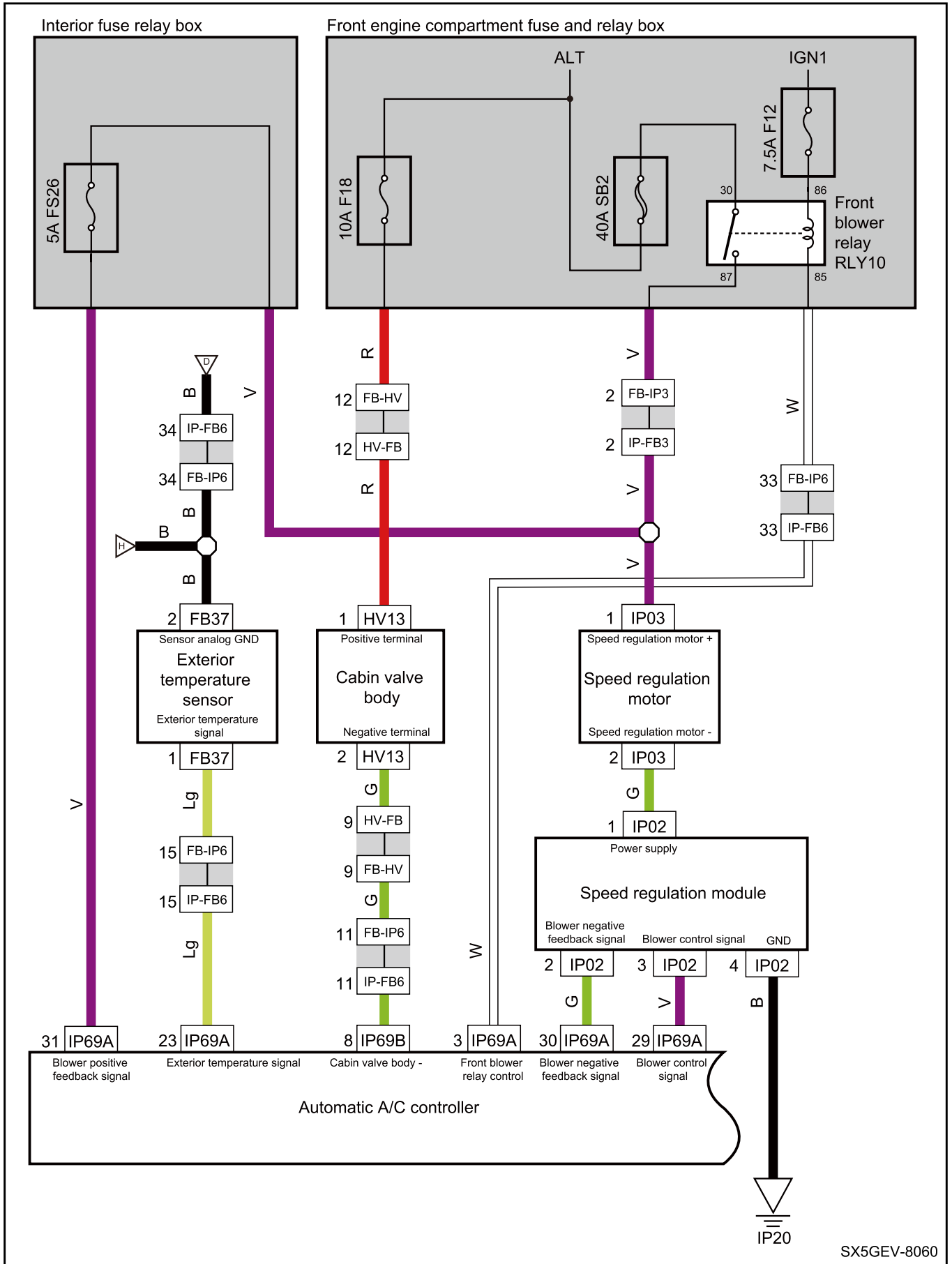
Automatic A/C 3



Harness connector	Name	Page
FB16	GND point 7	123
FB-HV	Engine compartment harness - high-voltage system low-voltage control harness	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
HV02	Body GND point 2	122
HV05	Compressor	26
HV06	PTC coolant pump	26
HV08	Electronic expansion valve	26
HV-FB	Low-voltage control harness of high-voltage system - engine compartment harness	26
IP69B	Automatic A/C controller B	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46

Connection point	Description	Page
E	To automatic A/C 2	284
F	To automatic A/C 2	284
G	To automatic A/C 2	284

Automatic A/C 4

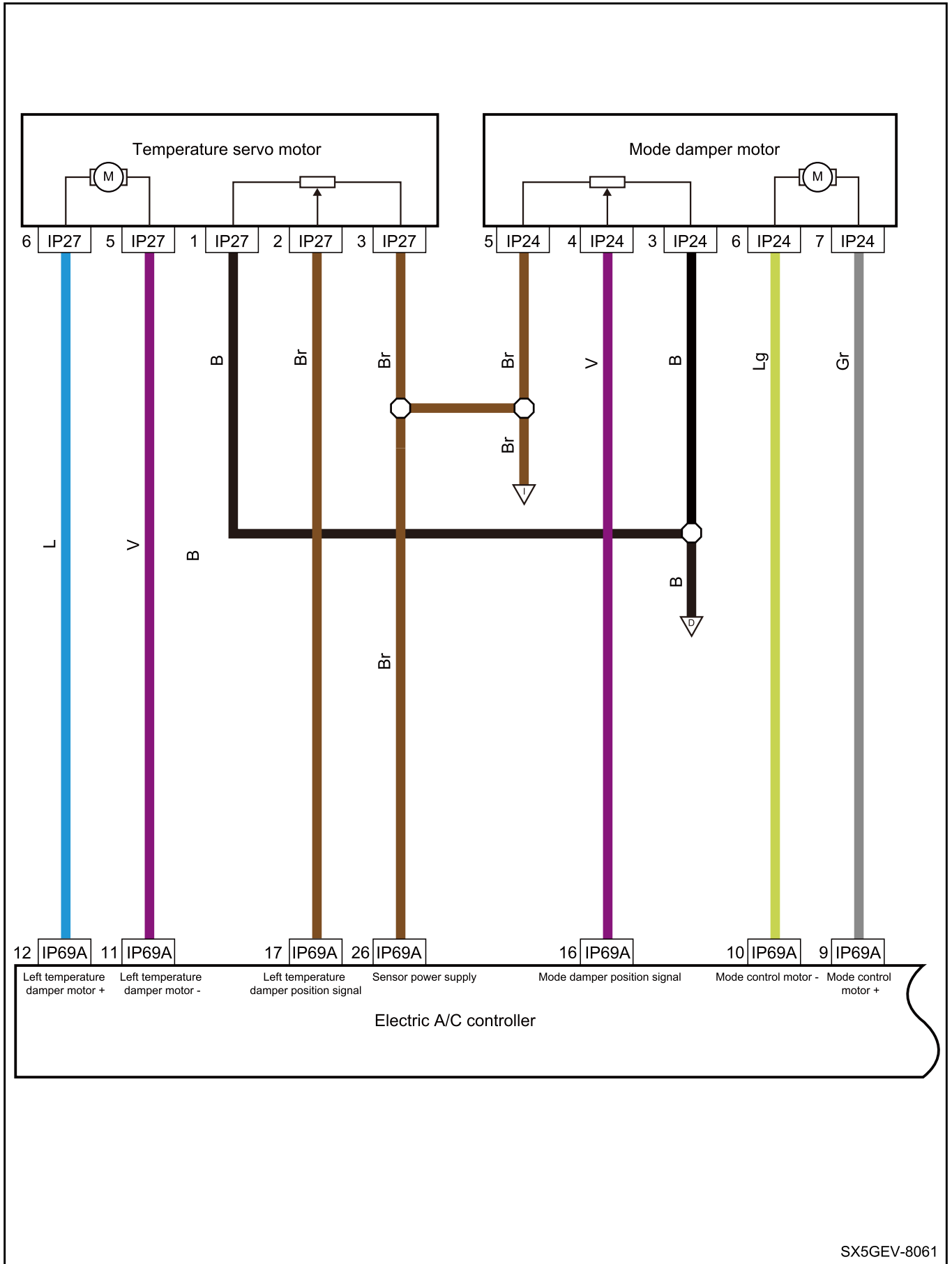


SX5GEV-8060

Harness connector	Name	Page
FB37	Exterior temperature sensor	31
FB-HV	Engine compartment harness - high-voltage system low-voltage control harness	31
FB-IP3	Engine compartment harness - instrument panel harness (2 PIN)	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
HV13	Cabin valve body	26
HV-FB	Low-voltage control harness of high-voltage system - engine compartment harness	26
IP02	Speed regulation module	46
IP03	Speed regulation motor	46
IP20	GND point 13	46
IP69A	Automatic A/C controller A	46
IP-FB3	Instrument panel harness - engine compartment harness (2PIN)	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46

Connection point	Description	Page
D	To automatic A/C 2	284
H	To automatic A/C 6	292

Automatic A/C 5

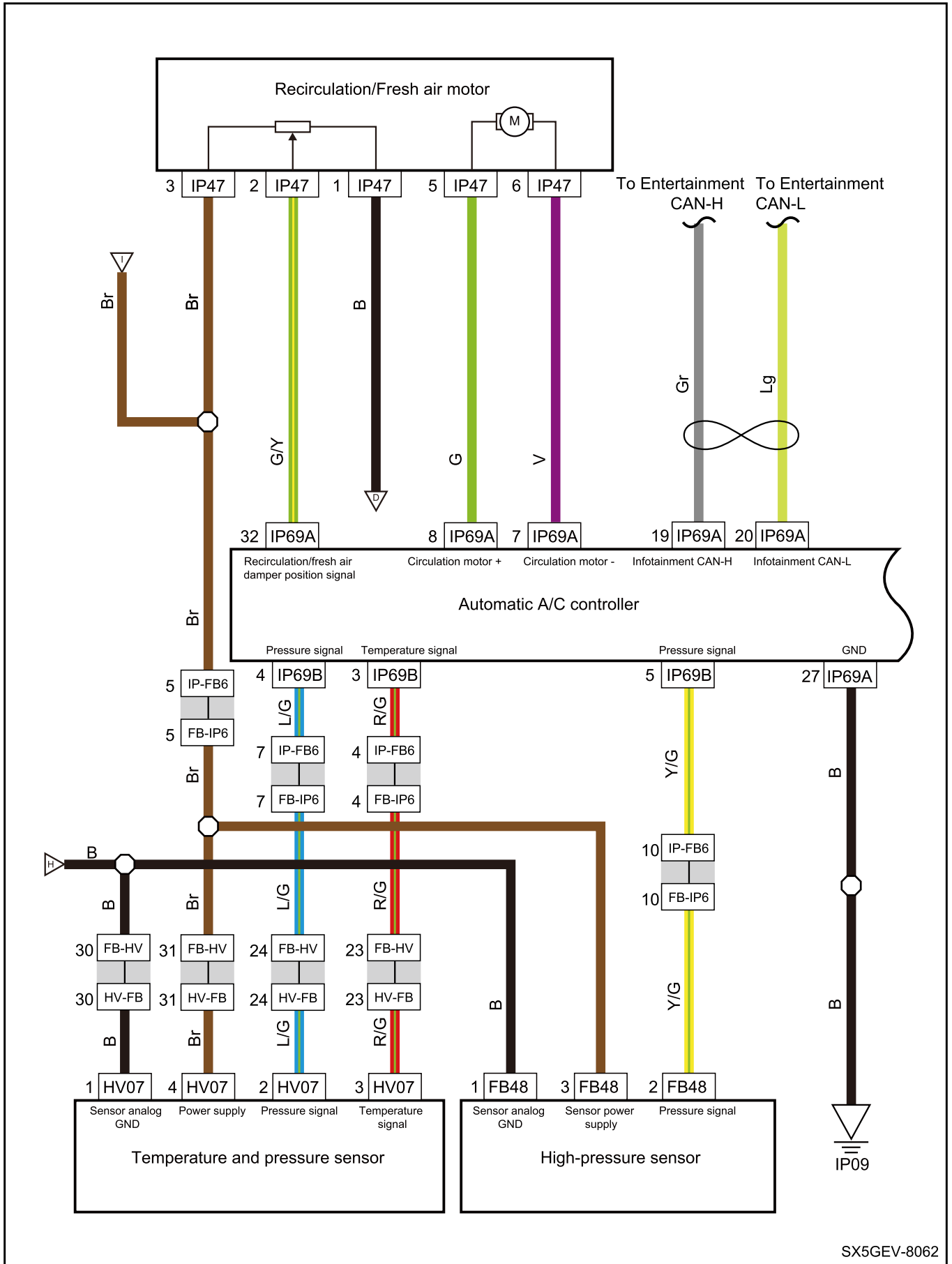


SX5GEV-8061

Harness connector	Name	Page
IP24	Mode damper motor	46
IP27	Temperature servo motor	46
IP69A	Automatic A/C controller A	46

Connection point	Description	Page
D	To automatic A/C 2	284
I	To automatic A/C 6	292

Automatic A/C 6

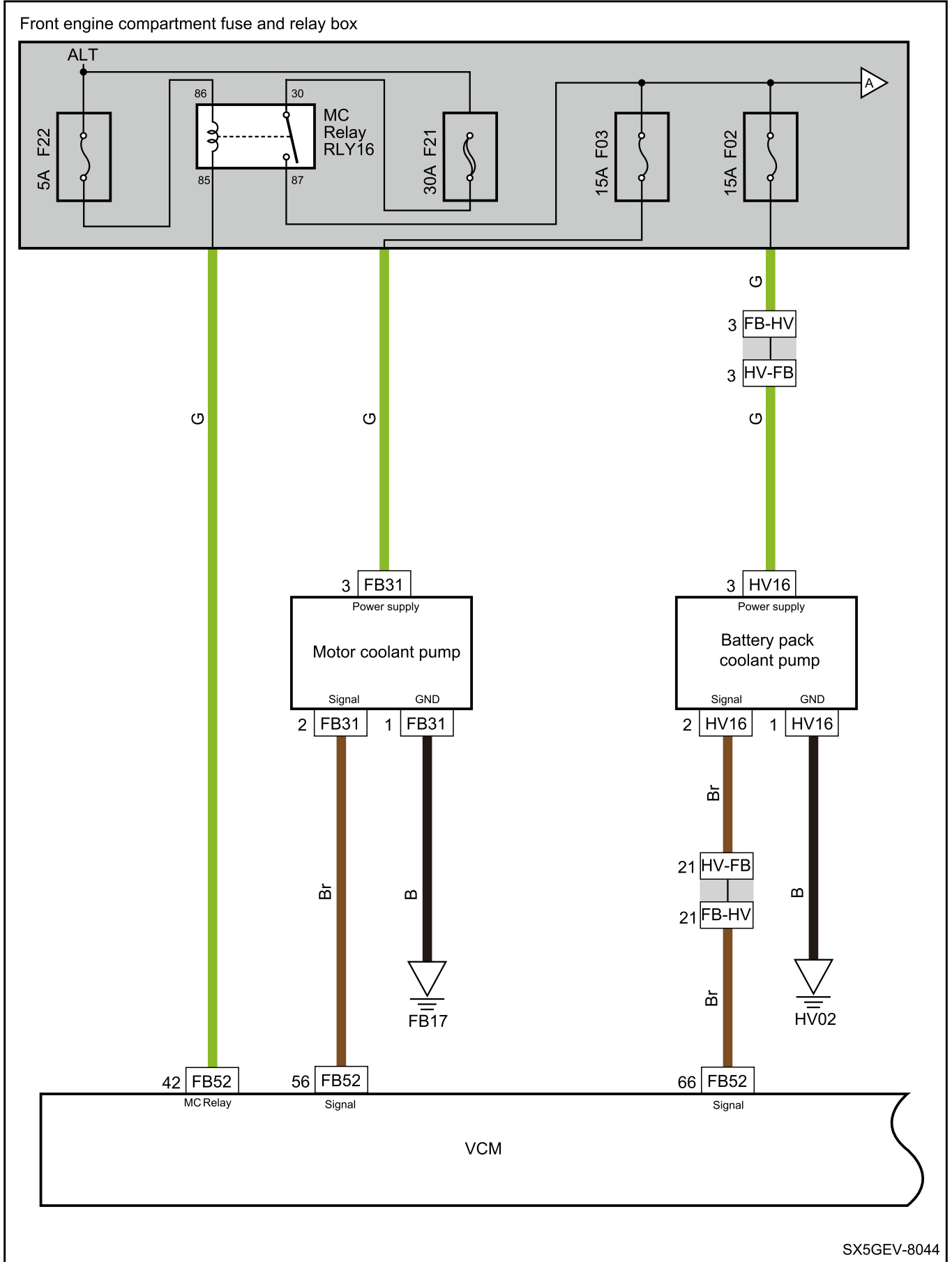


SX5GEV-8062

Harness connector	Name	Page
FB48	High-pressure sensor	31
FB-HV	Engine compartment harness - high-voltage system low-voltage control harness	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
HV07	Temperature and pressure sensor	26
HV-FB	Low-voltage control harness of high-voltage system - engine compartment harness	26
IP09	GND point 11	125
IP47	Recirculation/Fresh air motor	46
IP69A	Automatic A/C controller A	46
IP69B	Automatic A/C controller A	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46

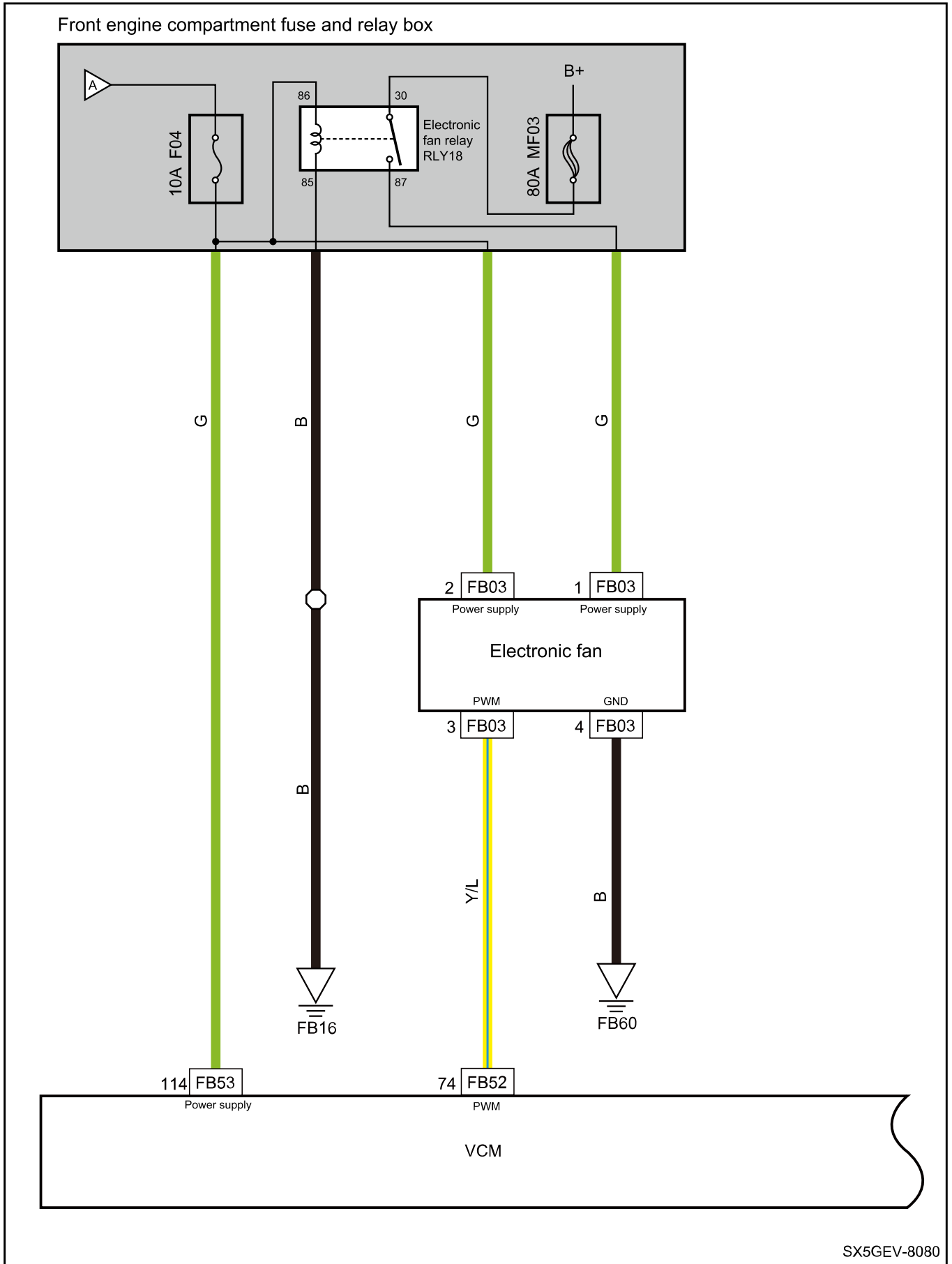
Connection point	Description	Page
D	To automatic A/C 2	284
H	To automatic A/C 4	412
I	To automatic A/C 5	290

Automatic A/C 7



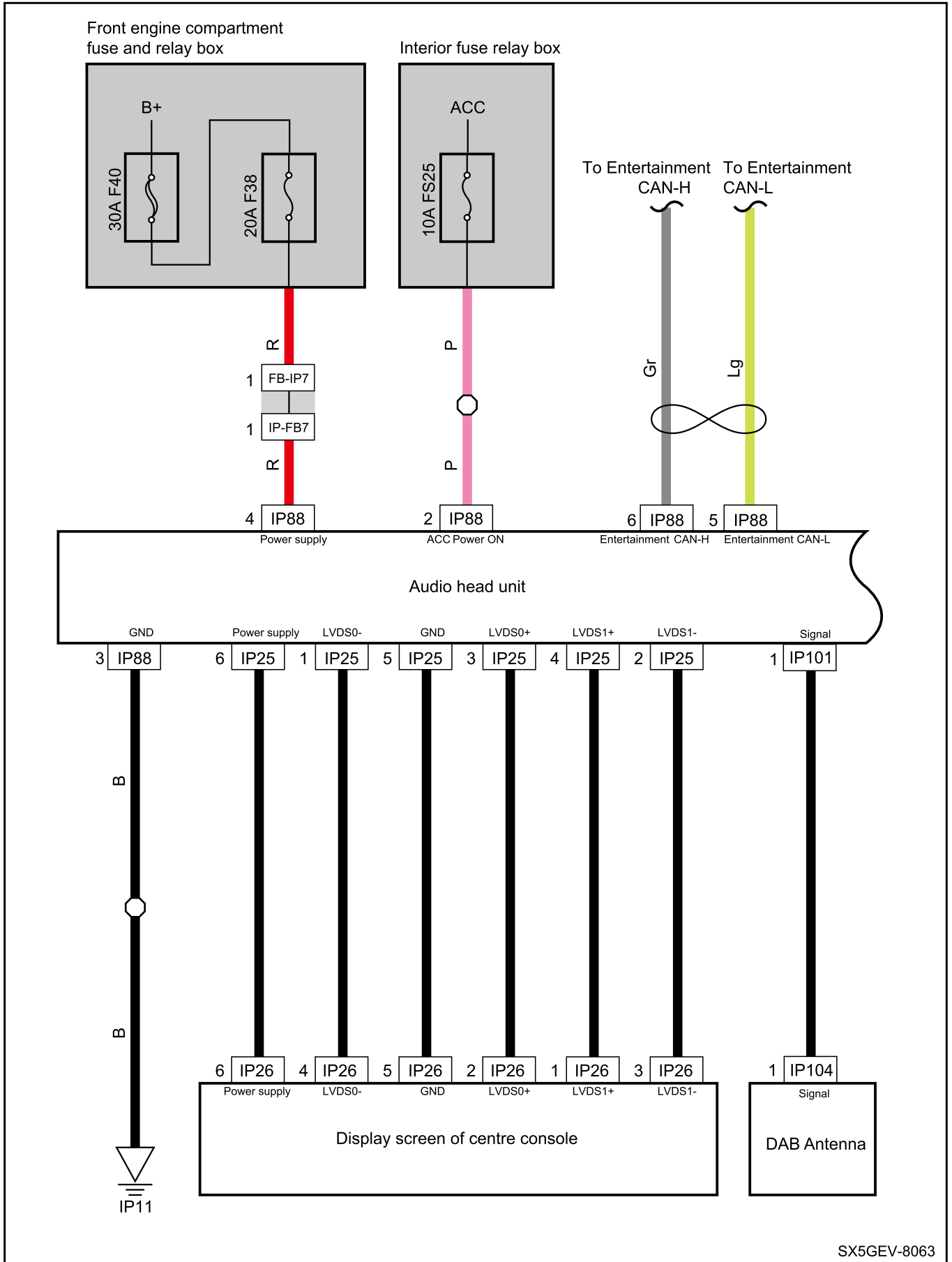
Harness connector	Name	Page
FB17	GND point 3	123
FB31	Motor coolant pump	31
FB52	VCM A	31
FB-HV	Engine compartment harness - high-voltage system low-voltage control harness	31
HV02	Body GND point 2	122
HV16	Battery pack coolant pump	26
HV-FB	Low-voltage control harness of high-voltage system - engine compartment harness	26

Automatic A/C 8



Harness connector	Name	Page
FB03	Electronic fan	31
FB16	GND point 7	123
FB52	VCM A	31
FB60	GND point	31

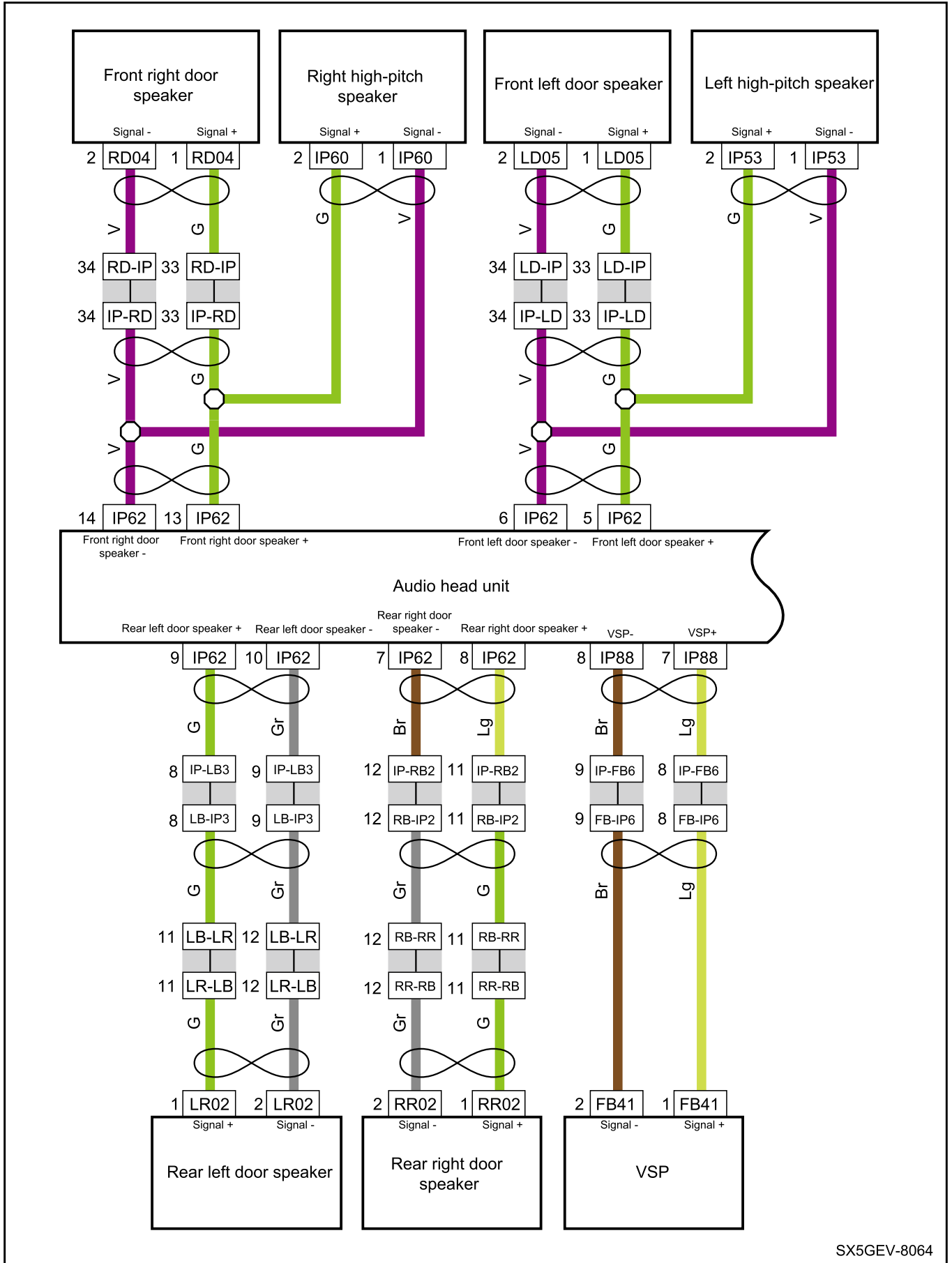
Power supply, GND and data of audio head unit



SX5GEV-8063

Harness connector	Name	Page
FB-IP7	Engine compartment harness - instrument panel harness 2 (left)	31
IP11	GND point 20	125
IP25	Screen - IVI video cable (IVI terminal)	46
IP26	Display screen of centre console	46
IP88	Audio head unit C	46
IP-FB7	Instrument panel harness - engine compartment harness 2 (left)	46
IP101	Audio head unit (DAB)	46
IP104	DAB antenna	46

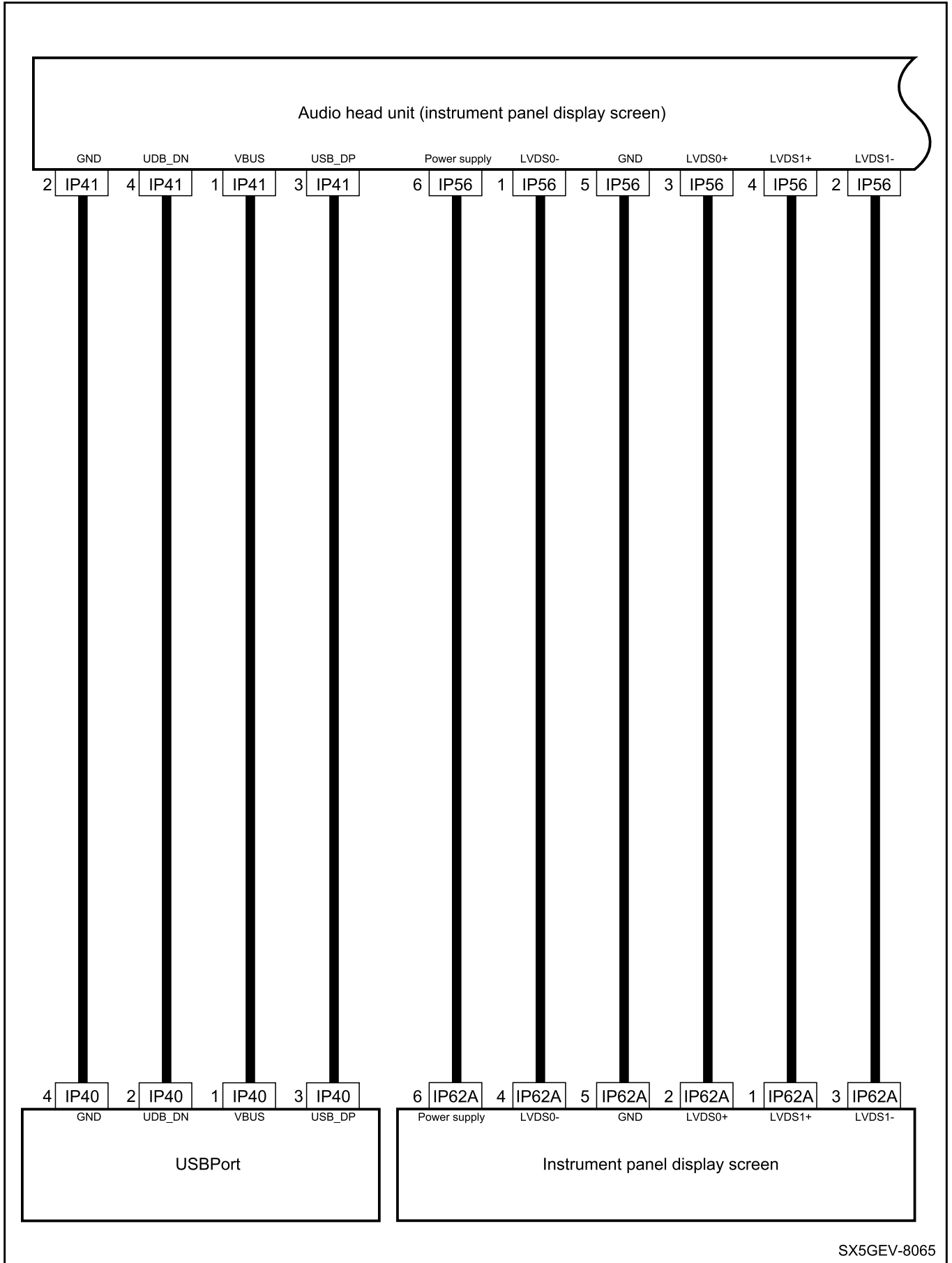
Audio Speaker 1



SX5GEV-8064

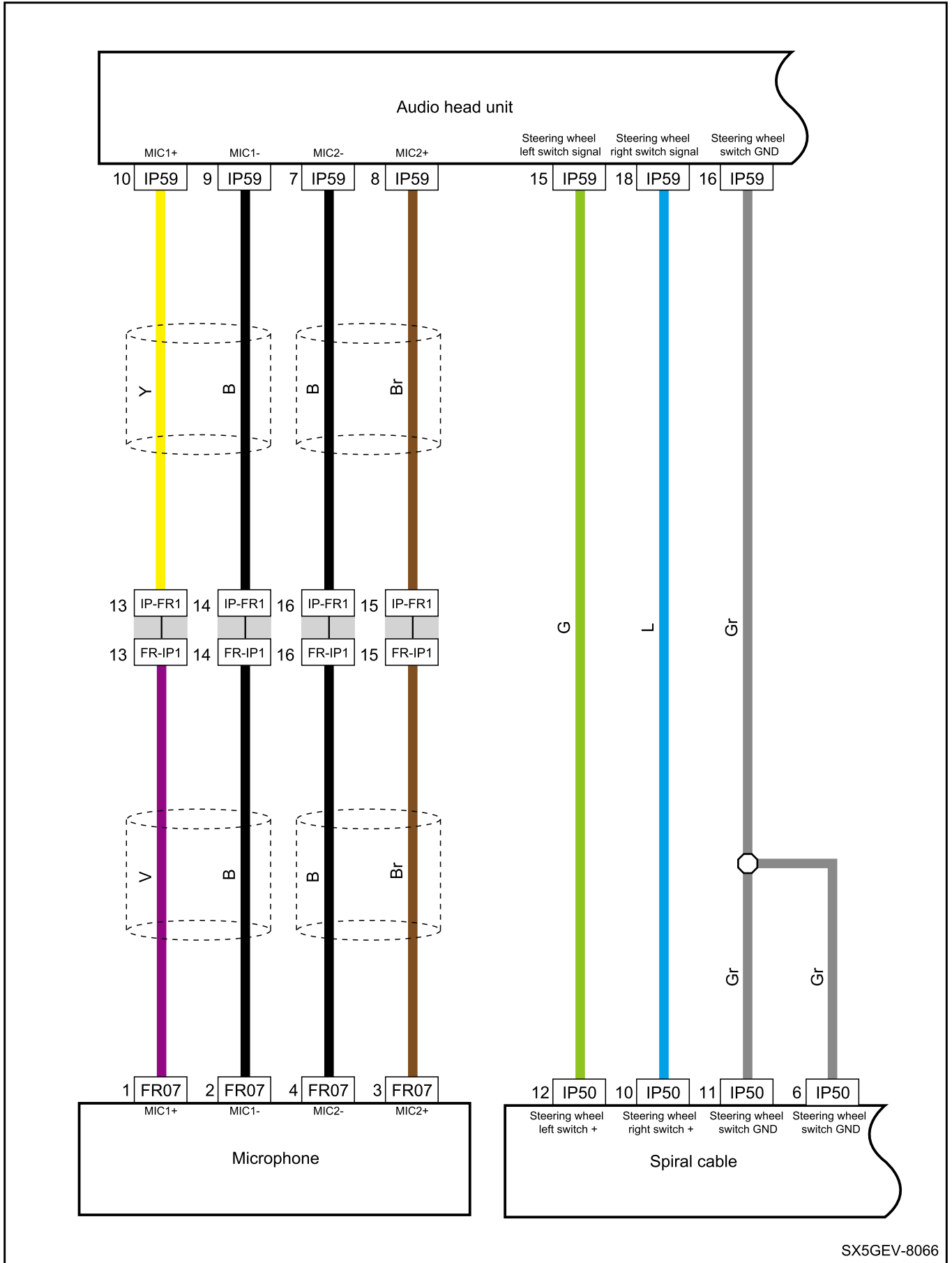
Harness connector	Name	Page
FB41	VSP	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
IP53	Left high-pitch speaker	46
IP60	Right high-pitch speaker	46
IP62	Audio head unit B	46
IP88	Audio head unit C	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
IP-LD	Instrument panel harness – front left door harness	46
IP-RB2	Instrument panel harness - right body harness	46
IP-RD	Instrument panel harness – front right door harness	46
LB-IP3	Left body harness - instrument panel harness 2 (left)	80
LB-LR	Left body harness – rear door harness	80
LD05	Front left door speaker	104
LD-IP	Front left door harness – instrument panel harness	104
LR02	Rear left door speaker	106
LR-LB	Rear left door harness – left body harness	106
RB-IP2	Right body harness – instrument panel harness 2	81
RB-RR	Right body harness – rear door harness	81
RD04	Front right door speaker	105
RD-IP	Front right door harness – instrument panel harness	105
RR02	Rear right door speaker	107
RR-RB	Rear right door harness – right body harness	107

Audio Speaker 2



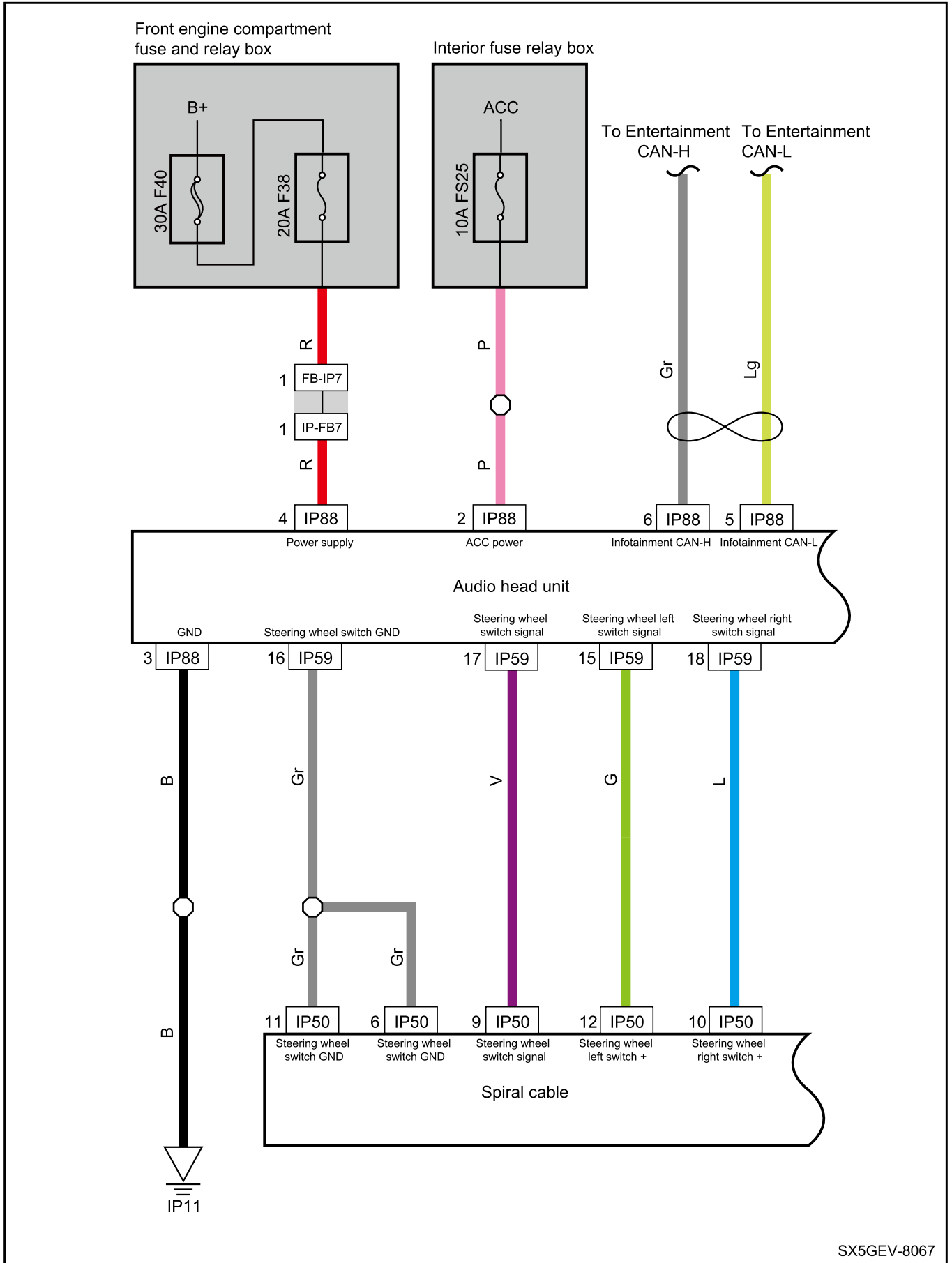
Harness connector	Name	Page
IP40	USB port	46
IP41	IVI USB	46
IP56	Audio head unit (instrument panel display screen)	46
IP62A	Instrument panel display screen	46

Microphone



Harness connector	Name	Page
FR07	Microphone	71
FR-IP1	Roof harness - instrument panel harness	71
IP50	Spiral cable	46
IP59	Audio head unit A	46
IP-FR1	Instrument panel harness – roof harness	46

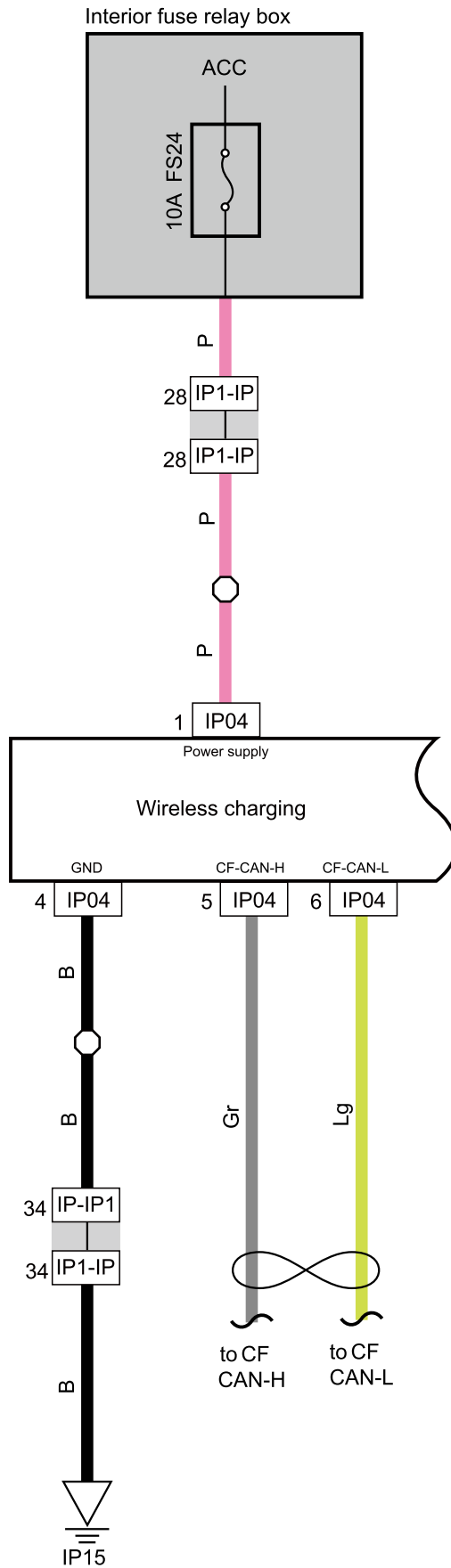
Multi-function steering wheel



SX5GEV-8067

Harness connector	Name	Page
FB-IP7	Engine compartment harness - instrument panel harness 2 (left)	31
IP11	GND point 20	125
IP50	Spiral cable	46
IP59	Audio head unit A	46
IP88	Audio head unit C	46
IP-FB7	Instrument panel harness - engine compartment harness 2 (left)	46

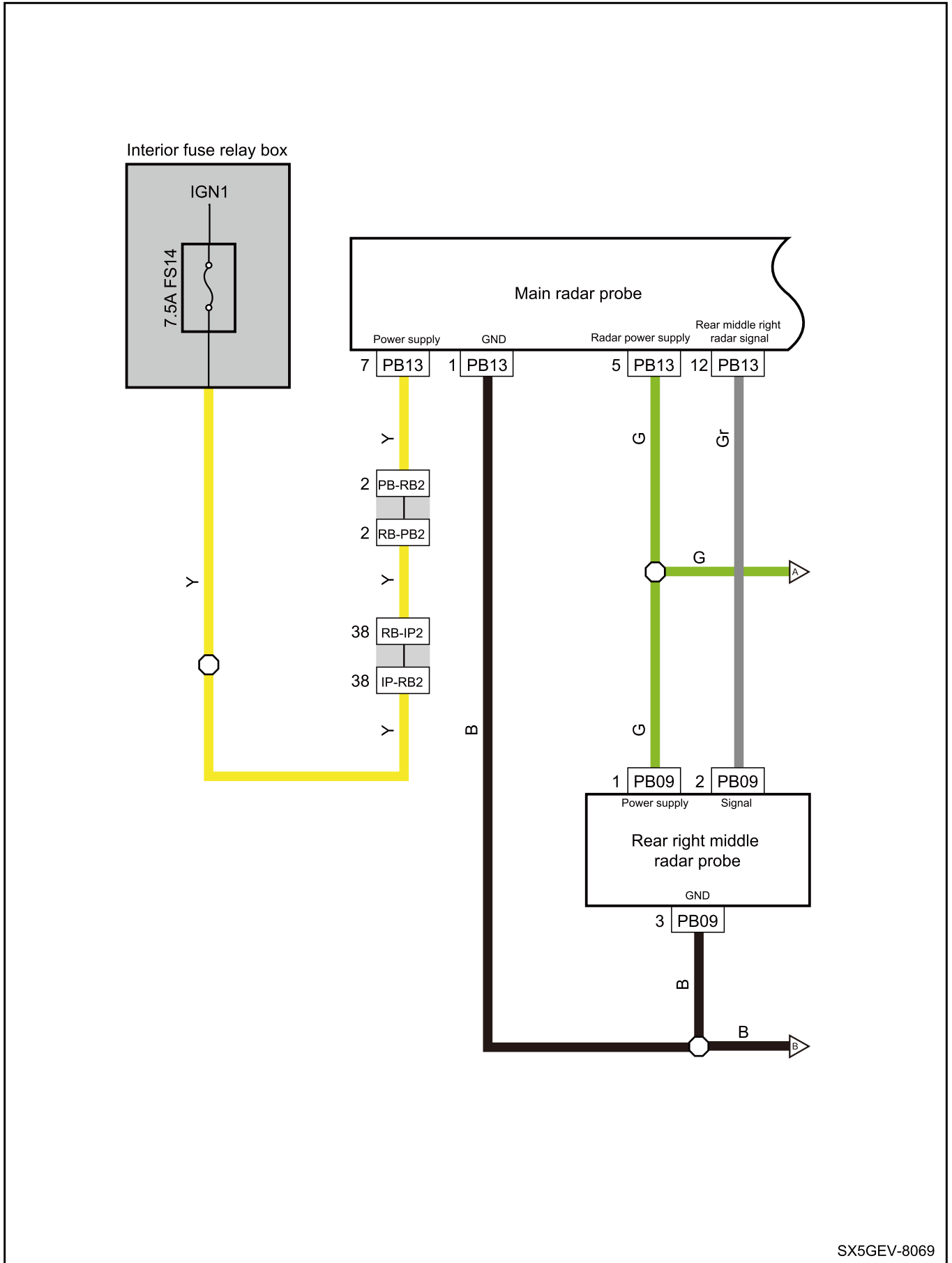
Wireless charging module



SX5GEV-9079

Harness connector	Name	Page
IP04	Wireless charging	47
IP15	GND point 14	125
IP1-IP	Console harness – instrument panel harness	47
IP-IP1	Instrument panel harness – console harness	46

reversing radar 1 (luxury model)

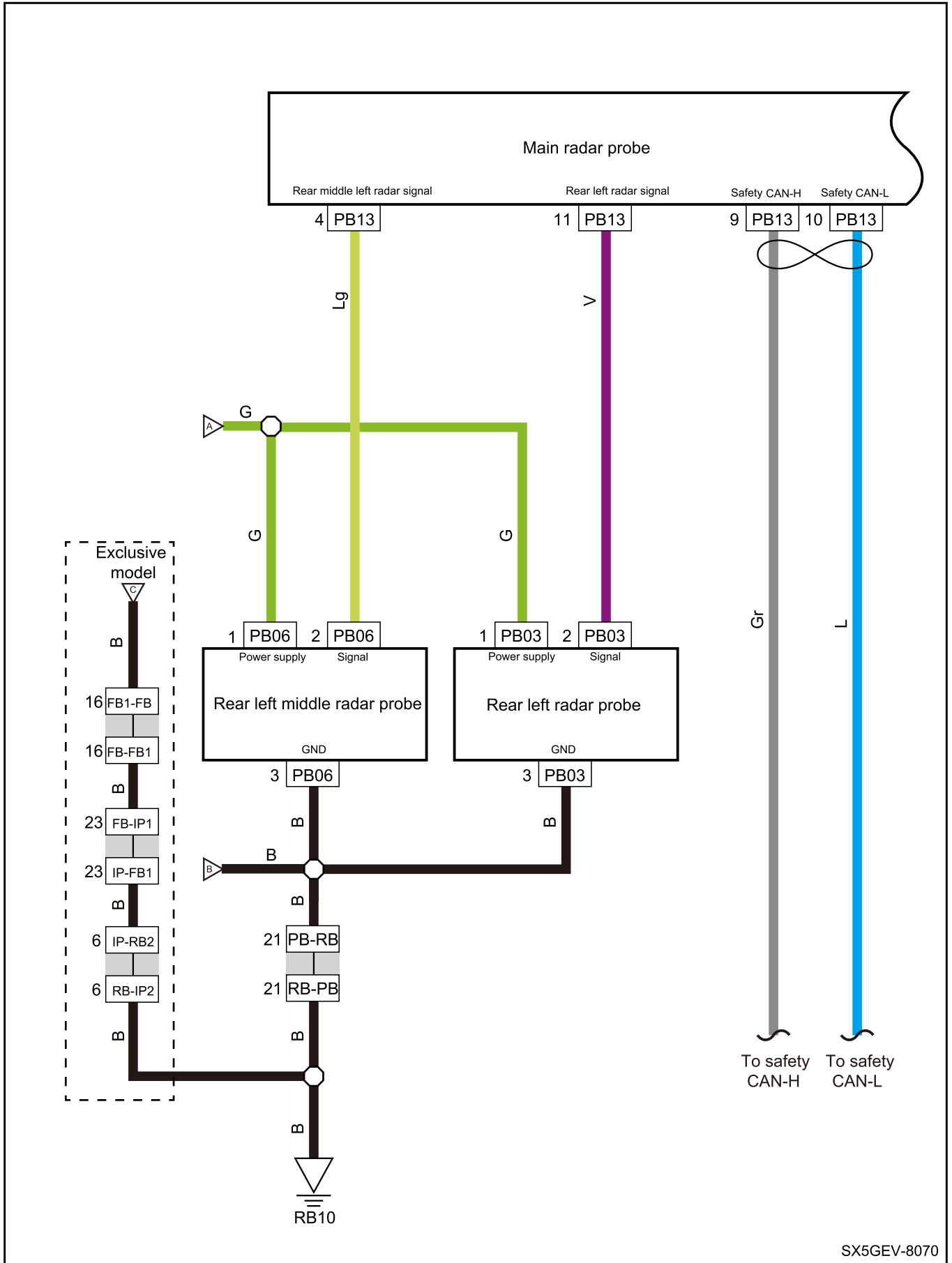


SX5GEV-8069

Harness connector	Name	Page
IP-RB2	Instrument panel harness - right body harness	46
PB09	Rear right middle radar probe	77
PB13	Main radar probe	77
PB-RB2	Rear bumper harness – engine compartment harness	77
RB-IP2	Right body harness – instrument panel harness 2	81
RB-PB2	Right body harness – rear bumper harness 2	81

Connection point	Description	Page
A	To reversing radar 2 (luxury model)	312
B	To reversing radar 2 (luxury model)	312

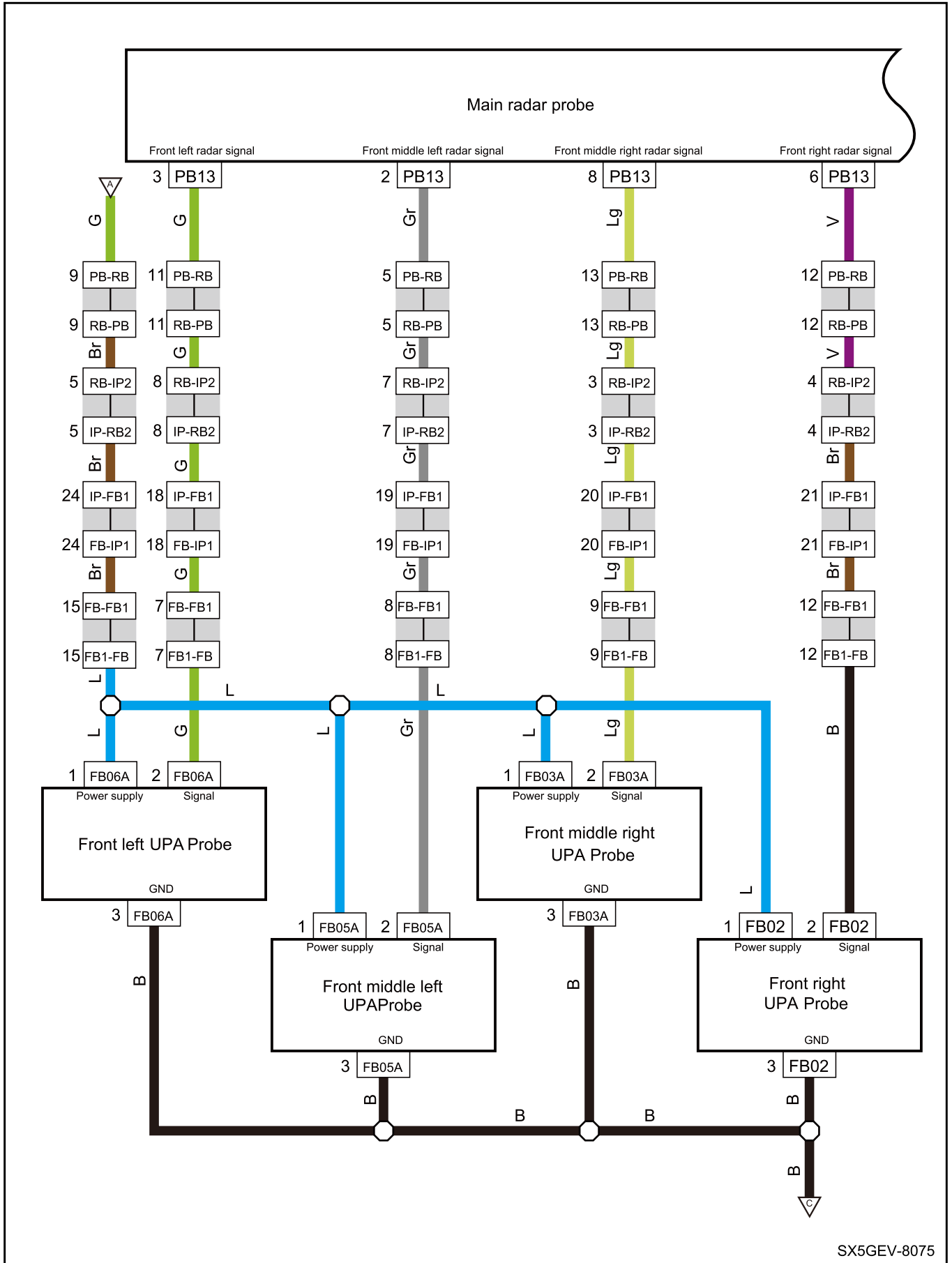
Reversing radar 2 (luxury model)



Harness connector	Name	Page
FB1-FB	Front bumper harness – engine compartment harness 1	76
FB-FB1	Engine compartment harness – front bumper harness	31
FB-IP1	Engine compartment harness - instrument panel harness 1 (right)	31
IP-FB1	Instrument panel harness - engine compartment harness (right)	46
IP-RB2	Instrument panel harness - right body harness	46
PB03	Rear left radar probe	77
PB06	Rear left middle radar probe	77
PB13	Main radar probe	77
PB-RB	Rear bumper harness – right body harness 1	77
RB10	GND point 21	126
RB-IP2	Right body harness – instrument panel harness 2	81
RB-PB	Right body harness – rear bumper harness 1	81

Connection point	Description	Page
A	To reversing radar 1 (luxury model)	310
B	To reversing radar 1 (luxury model)	310
C	To reversing radar 3 (luxury model)	314

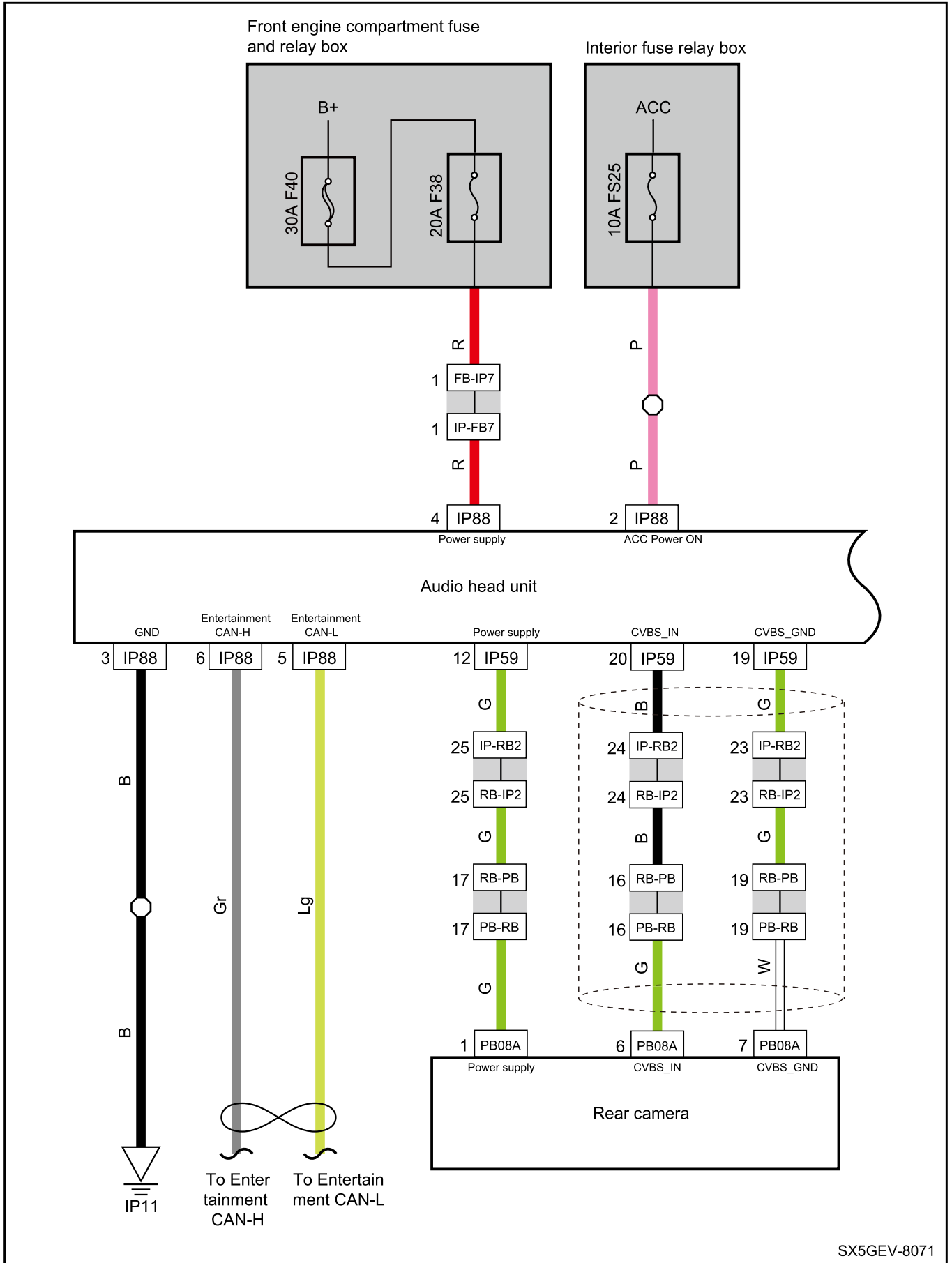
Reversing radar 3 (luxury model)



Harness connector	Name	Page
FB02	Front right UPA probe	76
FB03A	Front middle right UPA probe	76
FB05A	Front middle left UPA probe	76
FB06A	Front left UPA probe	76
FB1-FB	Front bumper harness – engine compartment harness 1	76
FB-FB1	Engine compartment harness – front bumper harness	31
FB-IP1	Engine compartment harness - instrument panel harness 1 (right)	31
IP-FB1	Instrument panel harness - engine compartment harness (right)	46
IP-RB2	Instrument panel harness - right body harness	46
PB13	Main radar probe	77
PB-RB	Rear bumper harness – right body harness 1	77
RB-IP2	Right body harness – instrument panel harness 2	81
RB-PB	Right body harness – rear bumper harness 2	81

Connection point	Description	Page
A	To reversing radar 1 (luxury model)	310
C	To reversing radar 2 (luxury model)	312

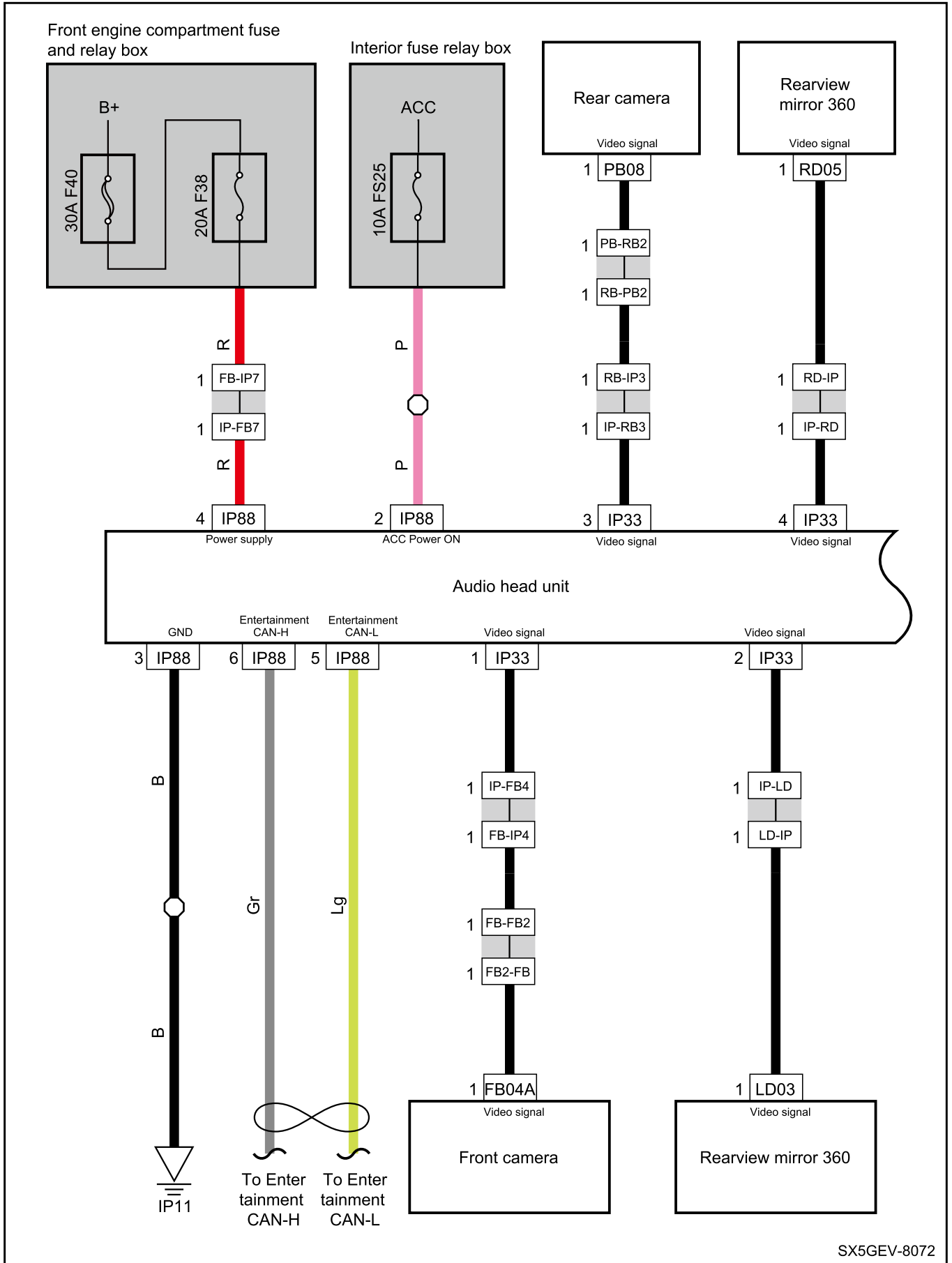
Reversing Camera (luxury model)



SX5GEV-8071

Harness connector	Name	Page
FB-IP7	Engine compartment harness - instrument panel harness 2 (left)	31
IP11	GND point 20	125
IP59	Audio head unit A	46
IP88	Audio head unit C	46
IP-FB7	Instrument panel harness - engine compartment harness 2 (left)	46
IP-RB2	Instrument panel harness - right body harness	46
PB08A	Rear camera	77
PB-RB	Rear bumper harness – right body harness 1	77
RB-IP2	Right body harness – instrument panel harness 2	81
RB-PB	Right body harness – rear bumper harness 1	81

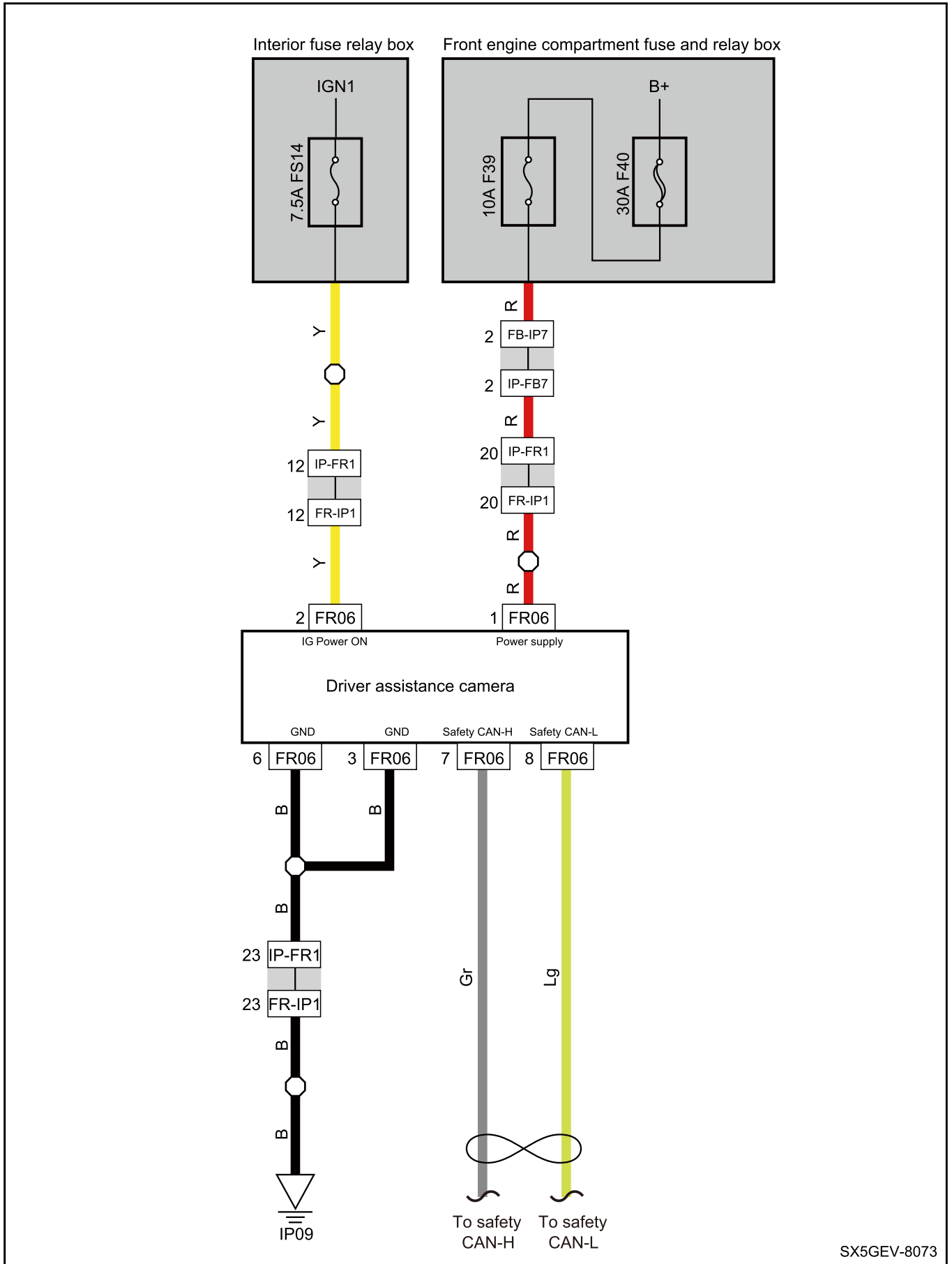
360° panoramic image (exclusive model)



SX5GEV-8072

Harness connector	Name	Page
FB04A	Front camera	76
FB2-FB	Front bumper harness – engine compartment harness 2	76
FB-FB2	Engine compartment harness – front bumper harness (1 PIN)	31
FB-IP4	Engine compartment harness - instrument panel harness (1 PIN)	31
FB-IP7	Engine compartment harness - instrument panel harness 2 (left)	31
IP11	GND point 20	125
IP33	Audio head unit (instrument 360°)	46
IP88	Audio head unit C	46
IP-FB4	Instrument panel harness - engine compartment harness (1PIN)	46
IP-FB7	Instrument panel harness - engine compartment harness 2 (left)	46
IP-LD	Instrument panel harness – front left door harness	46
IP-RB3	Instrument panel harness - right body harness	46
IP-RD	Instrument panel harness – front right door harness	46
LD03	Rearview mirror 360	104
LD-IP	Front left door harness – instrument panel harness	104
PB08	Rear camera	77
PB-RB2	Rear bumper harness – engine compartment harness	77
RB-IP3	Right body harness – instrument panel harness 3	81
RB-PB2	Right body harness – rear bumper harness 2	81
RD05	Rearview mirror 360	105
RD-IP	Front right door harness – instrument panel harness	105

Driver assistance multi-function camera

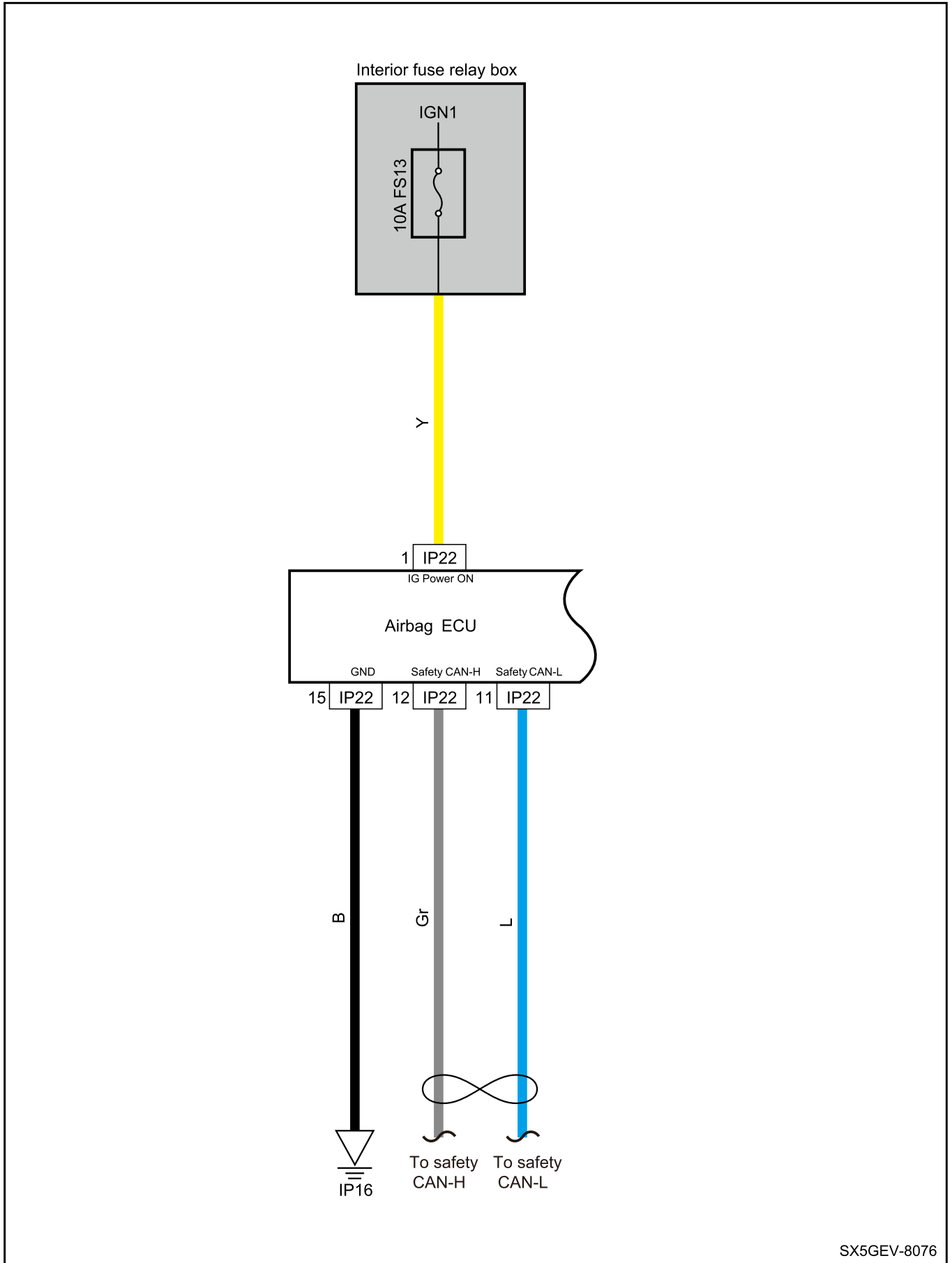


SX5GEV-8073

Harness connector	Name	Page
FB-IP7	Engine compartment harness - instrument panel harness 2 (left)	31
FR06	Driver assistance camera	71
FR-IP1	Roof harness - instrument panel harness	71
IP09	GND point 11	125
IP-FB7	Instrument panel harness - engine compartment harness 2 (left)	46
IP-FR1	Instrument panel harness – roof harness	46

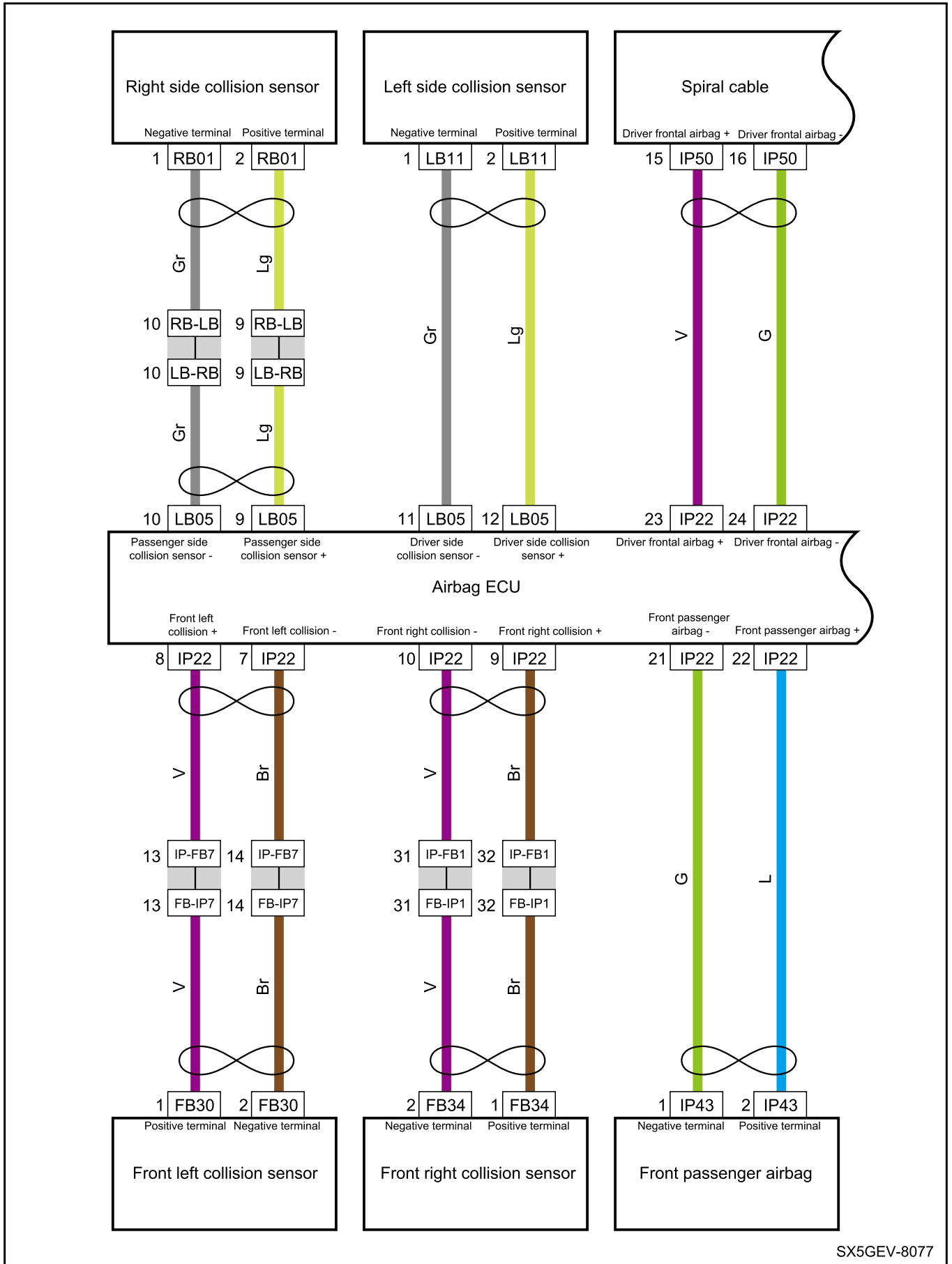
Harness connector	Name	Page
IP-LD	Instrument panel harness – front left door harness	46
IP-RB1	Instrument panel harness - right body harness	46
IP-RB2	Instrument panel harness - right body harness	46
IP-RD	Instrument panel harness – front right door harness	46
LD02	Left rearview mirror motor	104
LD-IP	Front left door harness – instrument panel harness	104
RB10	GND point 21	126
RB23	Left corner radar- main	81
RB23A	Left corner radar - main inline	81
RB24	Right corner radar	81
RB24A	Right corner radar inline	81
RB33	Left corner radar - main	81
RB34	Right corner radar	81
RB-IP1	Right body harness – instrument panel harness 1	81
RB-IP2	Right body harness – instrument panel harness 2	81
RD02	Right rearview mirror motor	105
RD-IP	Front right door harness – instrument panel harness	105

SRS power supply, GND and data



Harness connector	Name	Page
IP16	GND point 15	125
IP22	SRS ECU-A	46

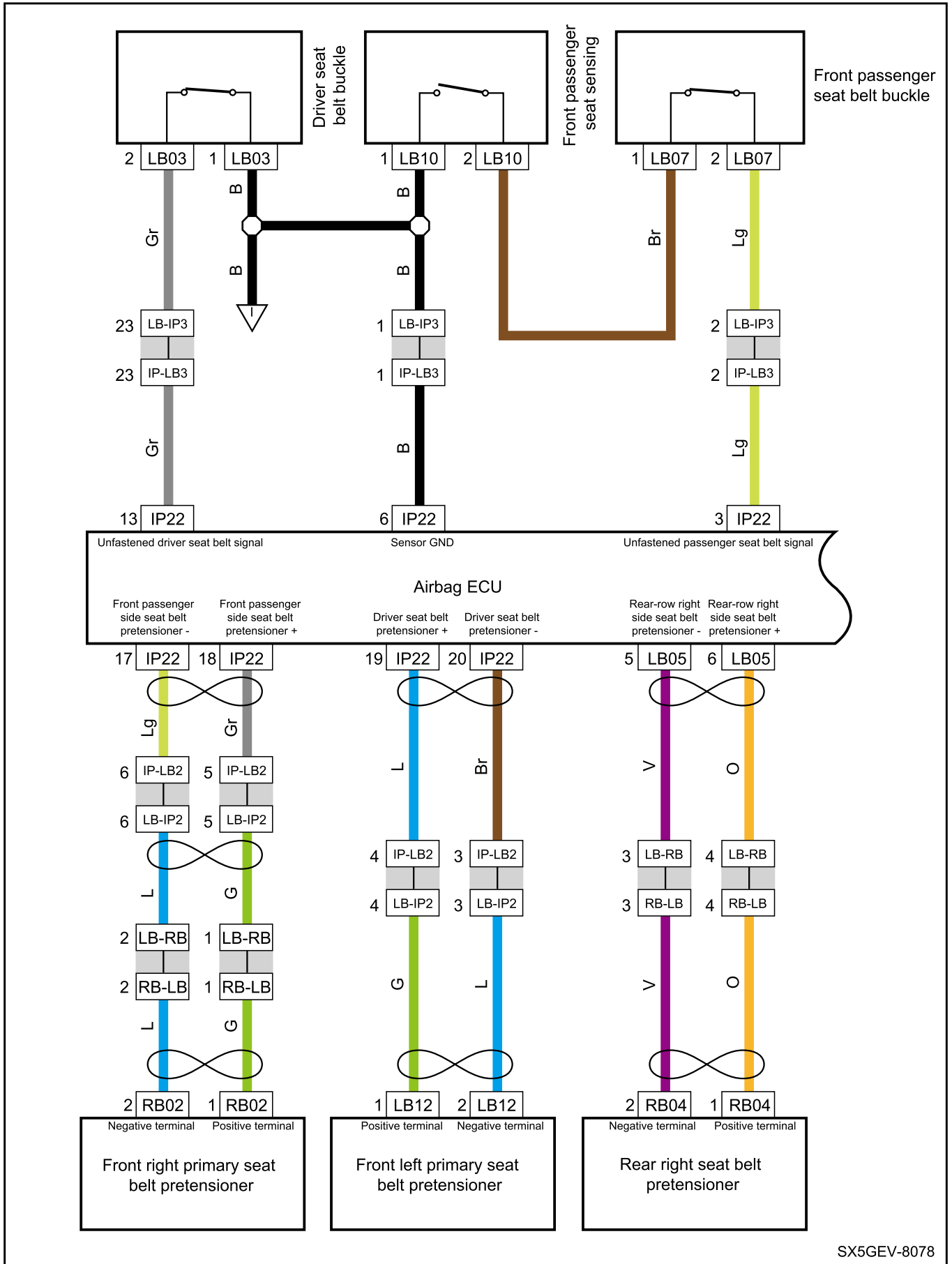
SRS Sensor and Actuator 1



SX5GEV-8077

Harness connector	Name	Page
FB30	Front left collision sensor	31
FB34	Front right collision sensor	31
FB-IP1	Engine compartment harness - instrument panel harness 1 (right)	31
FB-IP7	Engine compartment harness - instrument panel harness 2 (left)	31
IP22	SRS ECU-A	46
IP43	Front passenger airbag	46
IP50	Spiral cable	46
IP-FB1	Instrument panel harness - engine compartment harness (right)	46
IP-FB7	Instrument panel harness - engine compartment harness 2 (left)	46
LB05	Airbag ECU	46
LB11	Left side collision sensor	80
LB-RB	Left body harness – right body harness	80
RB01	Right side collision sensor	81
RB-LB	Right body harness – left body harness	81

SRS Sensor and Actuator 2

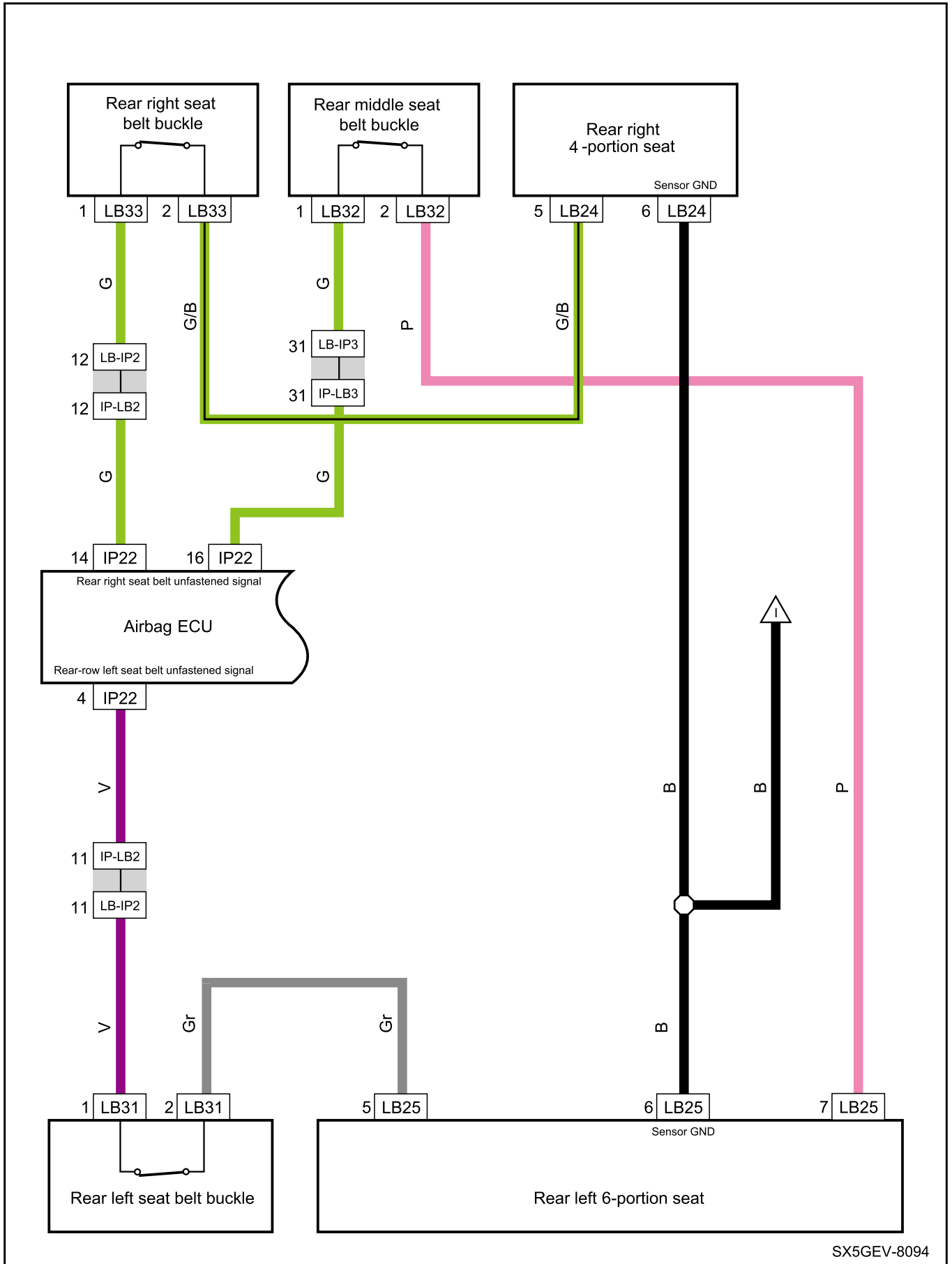


SX5GEV-8078

Harness connector	Name	Page
IP22	SRS ECU-A	46
IP-LB2	Instrument panel harness-left body harness (middle)	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
LB03	Driver seat belt buckle	80
LB05	Airbag ECU	80
LB07	Driver seat belt buckle	80
LB10	Front passenger seat sensing	80
LB12	Front left primary seat belt pretensioner	80
LB-IP2	Left body harness - instrument panel harness (middle)	80
LB-IP3	Left body harness - instrument panel harness 2 (left)	80
LB-RB	Left body harness – right body harness	80
RB02	Front right primary seat belt pretensioner	81
RB04	Rear right seat belt pretensioner	81
RB-LB	Right body harness – left body harness	81

Connection point	Description	Page
I	To SRS sensor and actuator 3	330

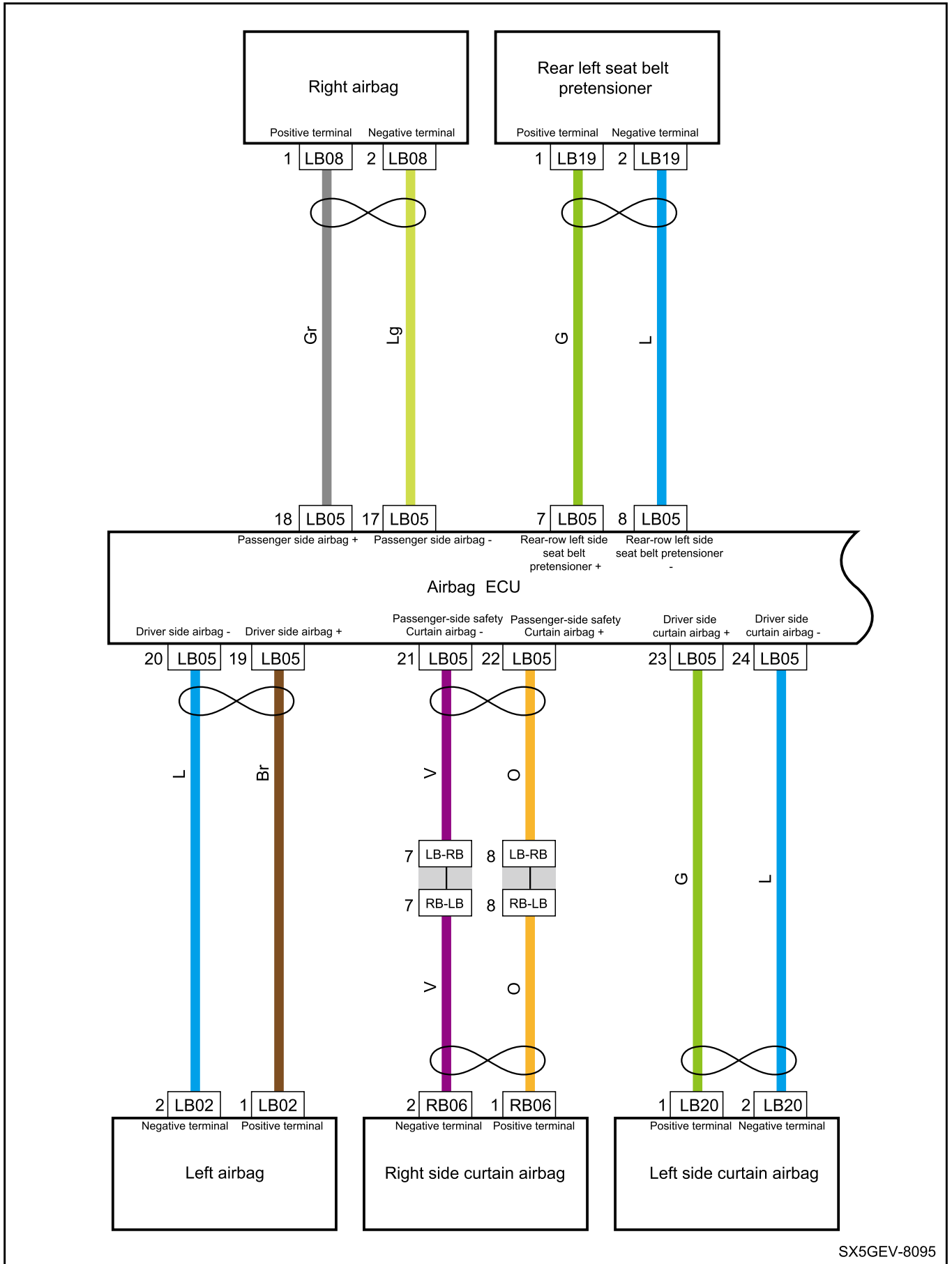
SRS Sensor and Actuator 3



Harness connector	Name	Page
IP22	SRS ECU-A	46
IP-LB2	Instrument panel harness-left body harness (middle)	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
LB24	Rear right 40%-portion seat	80
LB25	Rear left 60%-portion seat	80
LB31	Rear left seat belt buckle	80
LB32	Rear middle seat belt buckle	80
LB33	Rear right seat belt buckle	80
LB-IP2	Left body harness - instrument panel harness (middle)	80
LB-IP3	Left body harness - instrument panel harness 2 (left)	80

Connection point	Description	Page
I	To SRS sensor and actuator 2	328

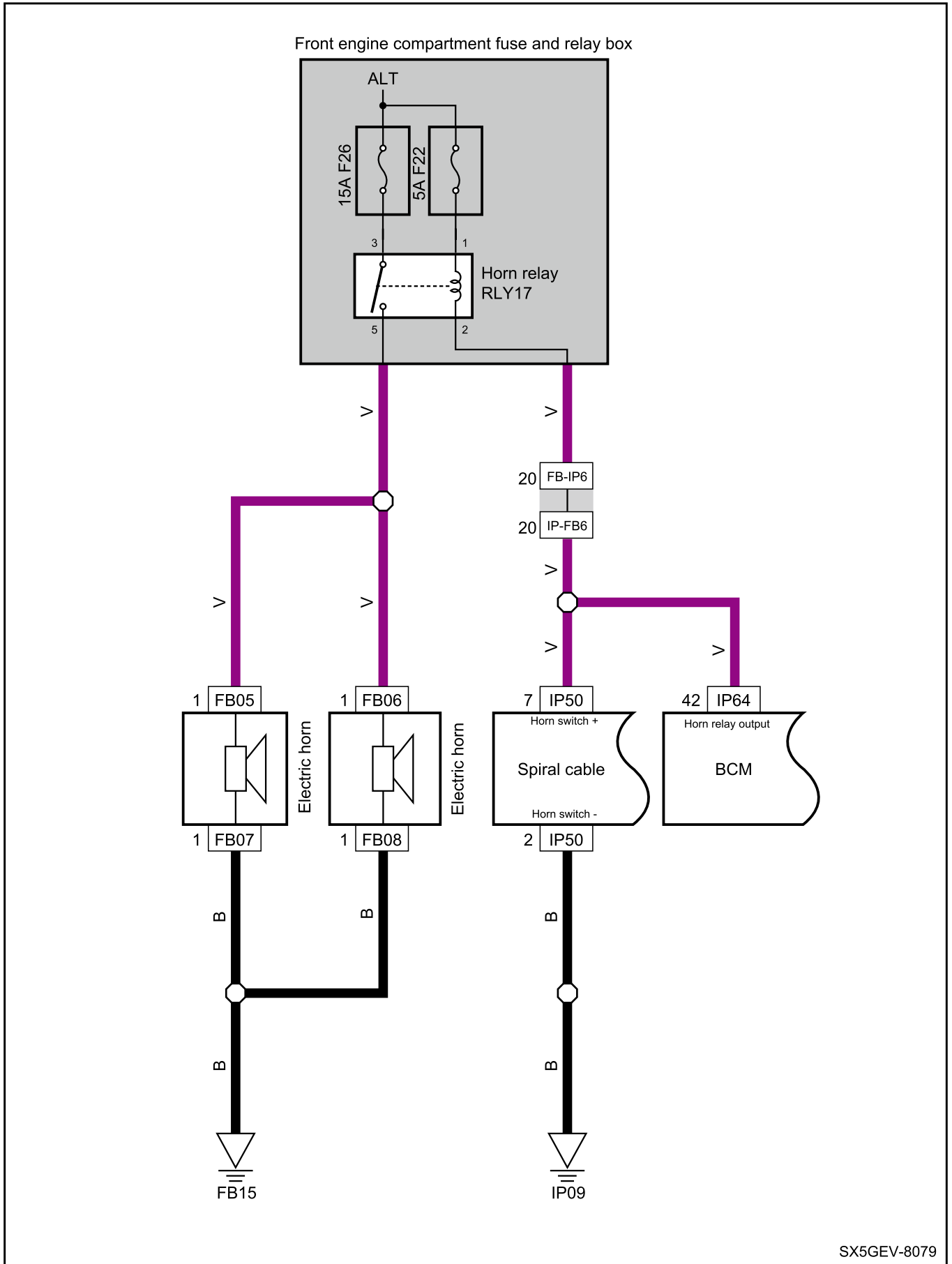
SRS sensor and actuator 4



SX5GEV-8095

Harness connector	Name	Page
LB02	Left airbag	80
LB05	Airbag ECU	80
LB08	Right airbag	80
LB19	Rear left seat belt pretensioner	80
LB20	Left side curtain airbag	80
LB-RB	Left body harness – right body harness	80
RB06	Right side curtain airbag	81
RB-LB	Right body harness – left body harness	81

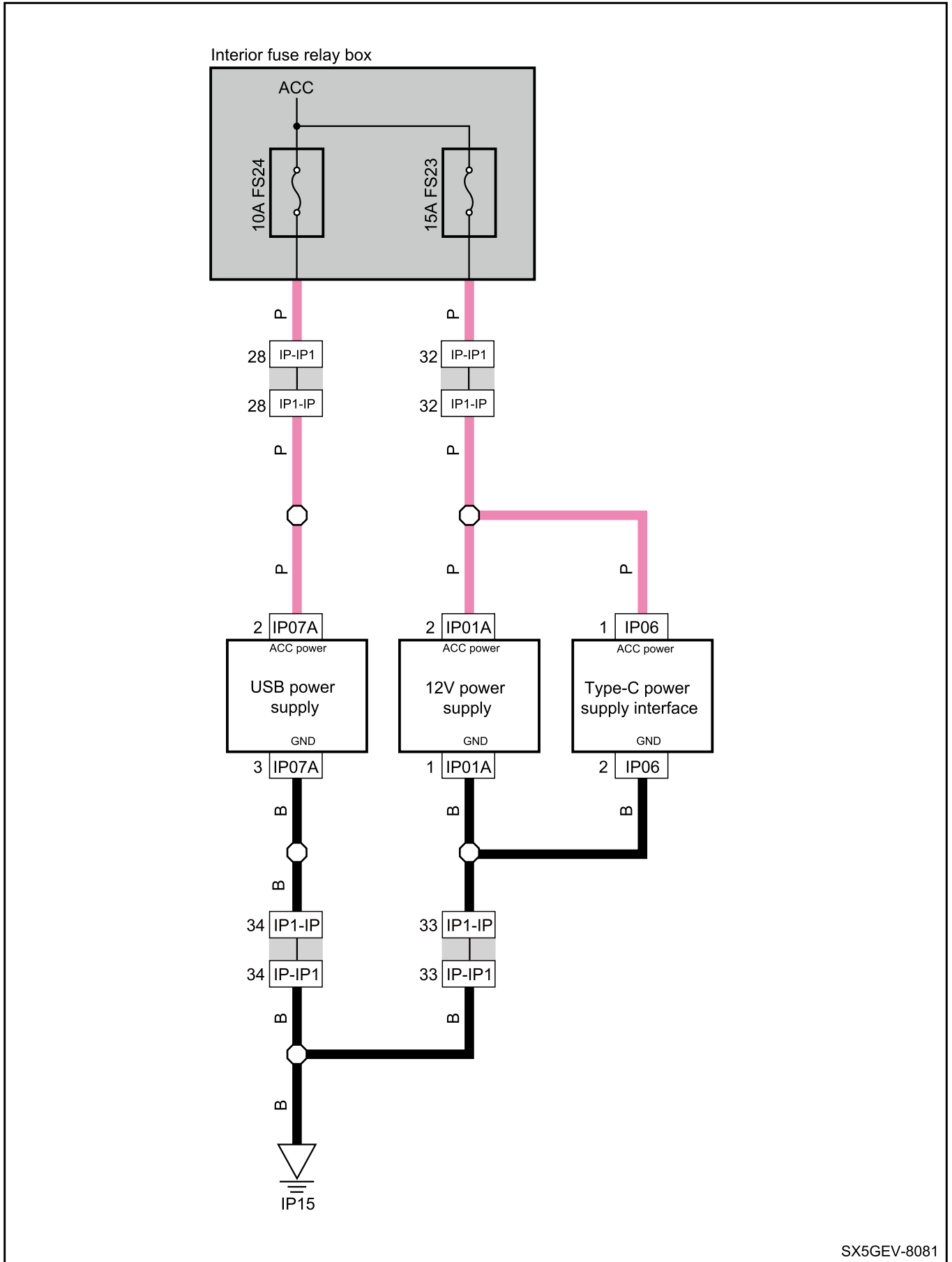
Horn



SX5GEV-8079

Harness connector	Name	Page
FB05	Electric horn +	31
FB06	Electric horn +	31
FB07	Electric horn -	31
FB08	Electric horn -	31
FB15	GND point 8	123
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
IP09	GND point 11	125
IP50	Spiral cable	46
IP64	BCM-J2	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46

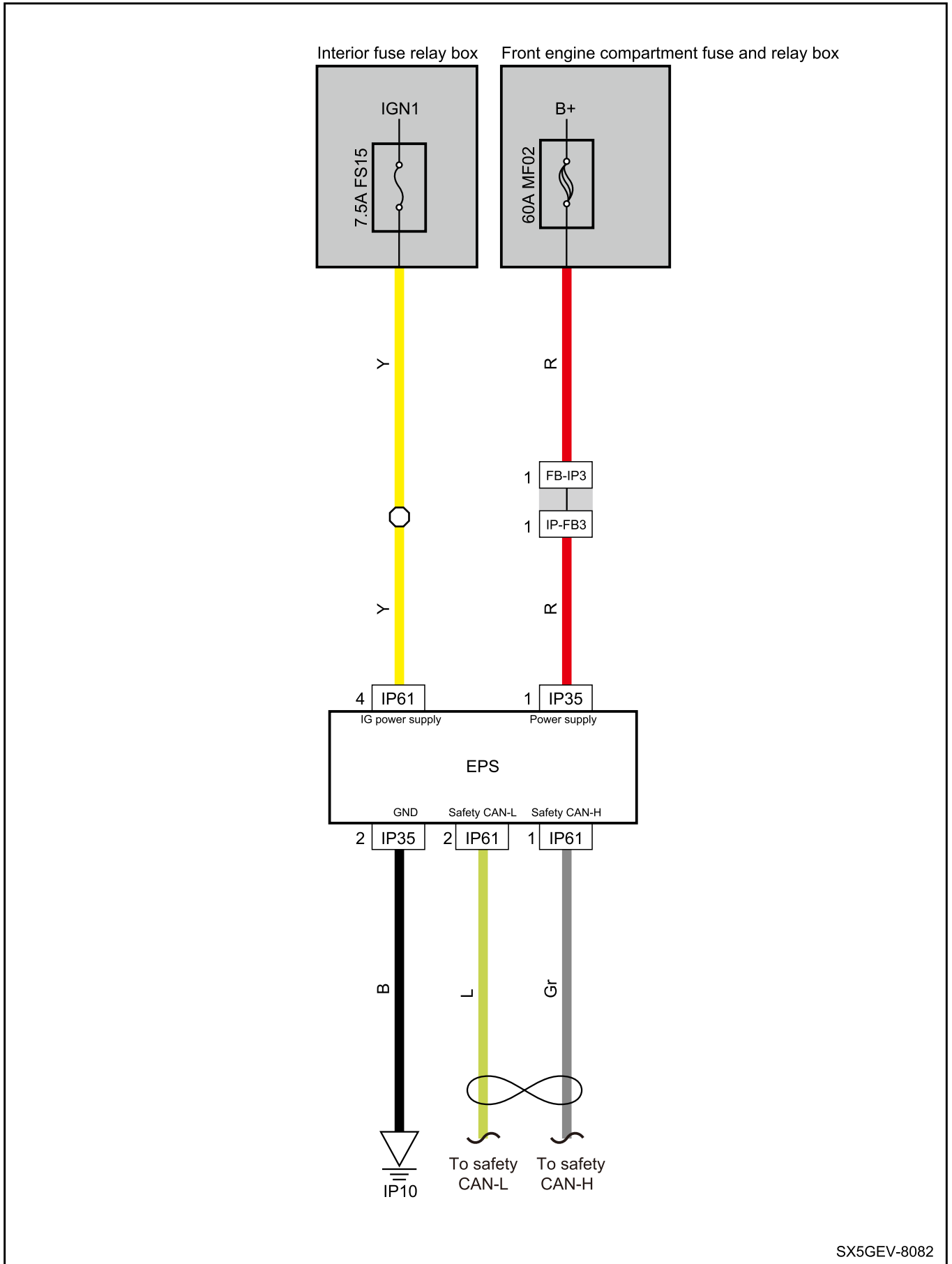
On-board power supply



SX5GEV-8081

Harness connector	Name	Page
IP01A	12V power supply	47
IP06	Type-C power supply interface	47
IP07A	USB power supply - 2	47
IP15	GND point 14	125
IP1-IP	Console harness – instrument panel harness	47
IP-IP1	Instrument panel harness – console harness	46

EPS



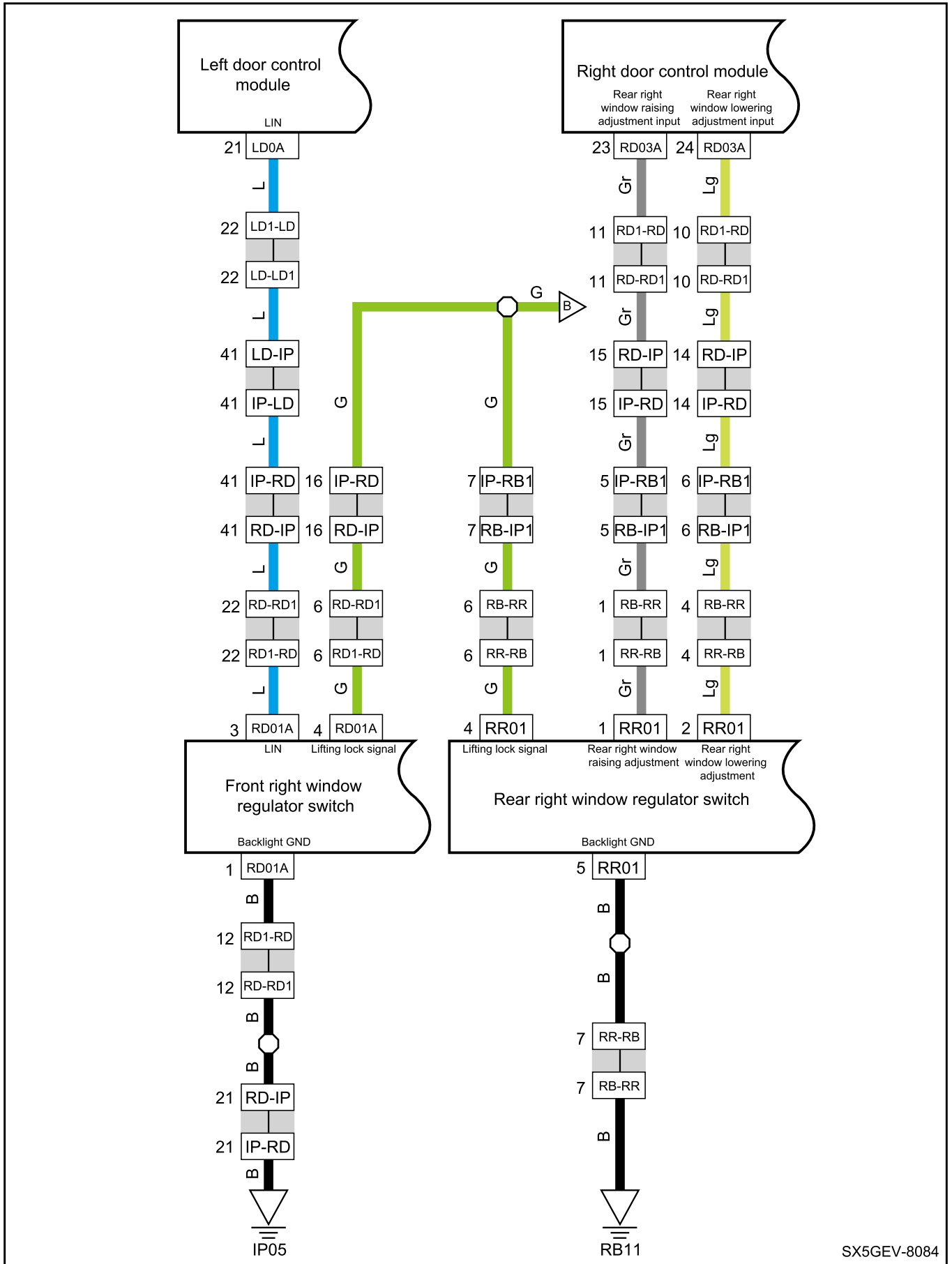
SX5GEV-8082

Harness connector	Name	Page
FB-IP3	Engine compartment harness - instrument panel harness (2 PIN)	31
IP10	GND point 12	125
IP35	EPS power supply	46
IP61	EPS	46
IP-FB3	Instrument panel harness - engine compartment harness (2PIN)	46

Harness connector	Name	Page
IP17	GND point	125
IP-RB1	Instrument panel harness - right body harness	46
IP-RD	Instrument panel harness – front right door harness	46
RB-IP1	Right body harness – instrument panel harness 1	81
RB-RR	Right body harness – rear door harness	81
RD01	Front right window regulator motor	105
RD02A	Right door control module A	105
RD03A	Right door control module B	105
RD1-RD	Front right door transition harness – front right door harness	105
RD-IP	Front right door harness – instrument panel harness	105
RD-RD1	Front right door harness – front right door transition harness	105
RR03	Rear right window regulator motor	107
RR-RB	Rear right door harness – right body harness	107

Connection point	Description	Page
A	To power window 3	344

Power Window 2

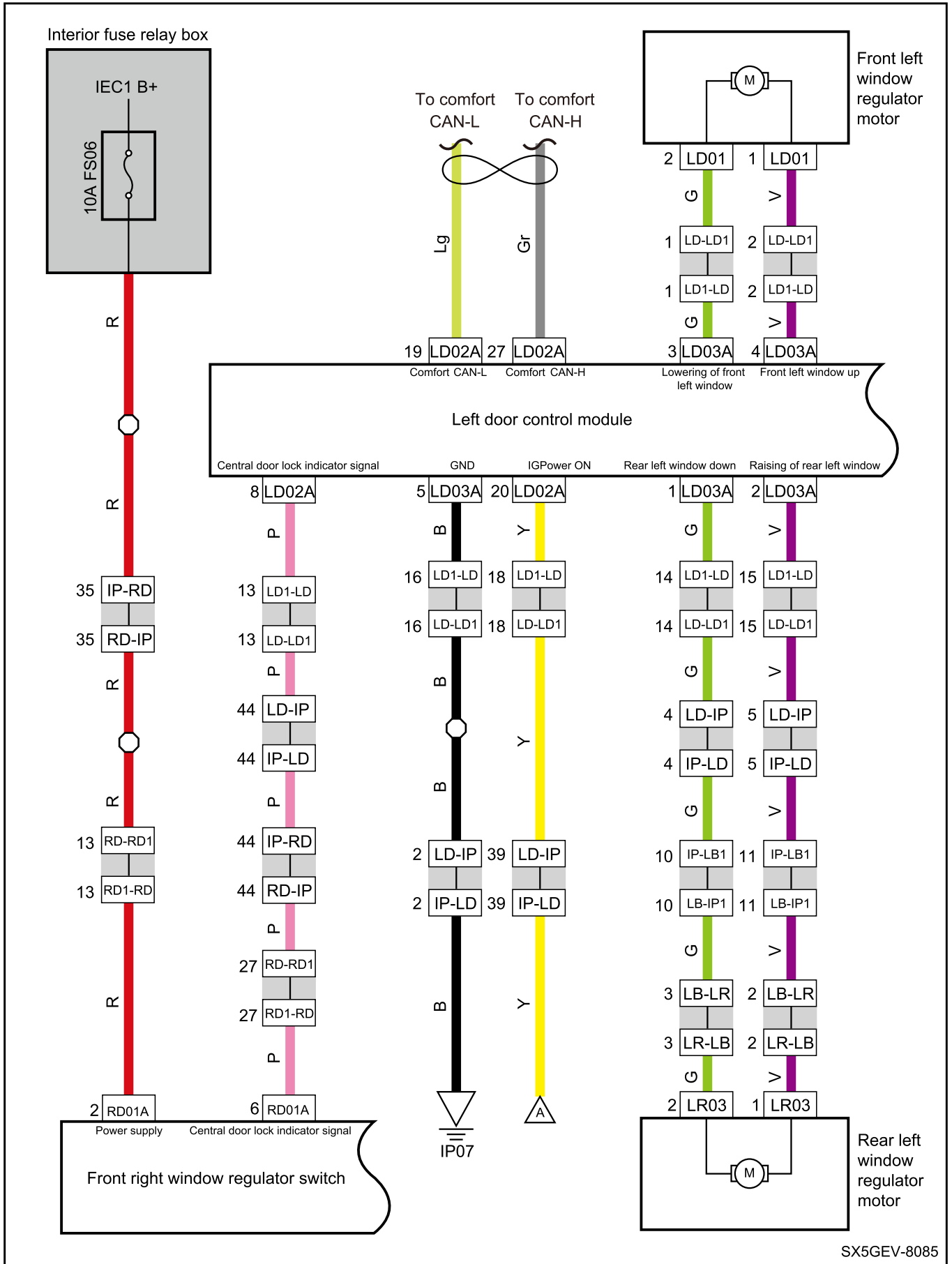


SX5GEV-8084

Harness connector	Name	Page
IP05	GND point 9	125
IP-LD	Instrument panel harness – front left door harness	46
IP-RB1	Instrument panel harness - right body harness	46
IP-RD	Instrument panel harness – front right door harness	46
LD02A	Left door control module A	104
LD1-LD	Front left door transition harness – front left door harness	104
LD-IP	Front left door harness – instrument panel harness	104
LD-LD1	Front left door harness – front left door transition harness	104
RB11	GND point 22	126
RB-IP1	Right body harness – instrument panel harness 1	81
RB-RR	Right body harness – rear door harness	81
RD01A	Front right window regulator switch	105
RD03A	Right door control module B	105
RD1-RD	Front right door transition harness – front right door harness	105
RD-IP	Front right door harness – instrument panel harness	105
RD-RD1	Front right door harness – front right door transition harness	105
RR01	Rear right window regulator switch	107
RR-RB	Rear right door harness – right body harness	107

Connection point	Description	Page
B	To power window 4	346

Power Window 3



Harness connector	Name	Page
IP07	GND point 10	125
IP-LB1	Instrument panel harness - left body harness 1 (left)	46
IP-LD	Instrument panel harness – front left door harness	46
IP-RD	Instrument panel harness – front right door harness	46
LB-IP1	Left body harness - instrument panel harness 1 (left)	80
LB-LR	Left body harness – rear door harness	80
LD01	Front left window regulator motor	104
LD02A	Left door control module A	104
LD03A	Left door control module B	104
LD1-LD	Front left door transition harness – front left door harness	104
LD-IP	Front left door harness – instrument panel harness	104
LD-LD1	Front left door harness – front left door transition harness	104
LR03	Rear left window regulator motor	107
LR-LB	Rear left door harness – left body harness	107
RD01A	Front right window regulator switch	105
RD1-RD	Front right door transition harness – front right door harness	105
RD-IP	Front right door harness – instrument panel harness	105
RD-RD1	Front right door harness – front right door transition harness	105

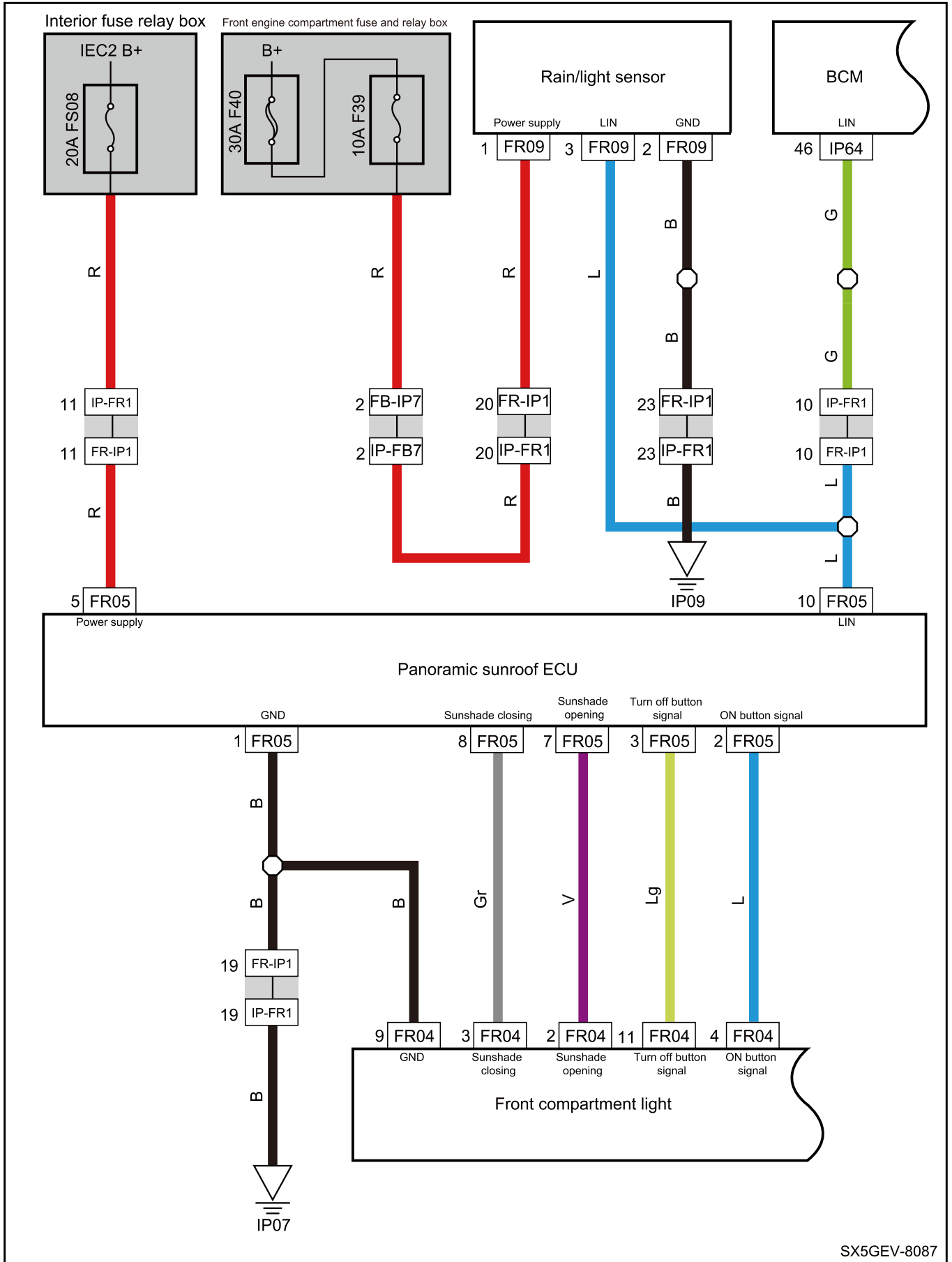
Connection point	Description	Page
A	To power window 1	340

Harness connector	Name	Page
IP11	GND point 20	125
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
IP-LD	Instrument panel harness – front left door harness	46
IP-RD	Instrument panel harness – front right door harness	46
LB17	GND point 26	127
LB-IP3	Left body harness - instrument panel harness 2 (left)	80
LB-LR	Left body harness – rear door harness	80
LD01A	Front left window regulator switch	104
LD03A	Left door control module B	104
LD1-LD	Front left door transition harness – front left door harness	104
LD-IP	Front left door harness – instrument panel harness	104
LD-LD1	Front left door harness – front left door transition harness	104
LR01	Rear left window regulator switch	107
LR-LB	Rear left door harness – left body harness	107
RD03A	Right door control module B	105
RD1-RD	Front right door transition harness – front right door harness	105
RD-IP	Front right door harness – instrument panel harness	105
RD-RD1	Front right door harness – front right door transition harness	105

Connection point	Description	Page
B	To power window 2	342

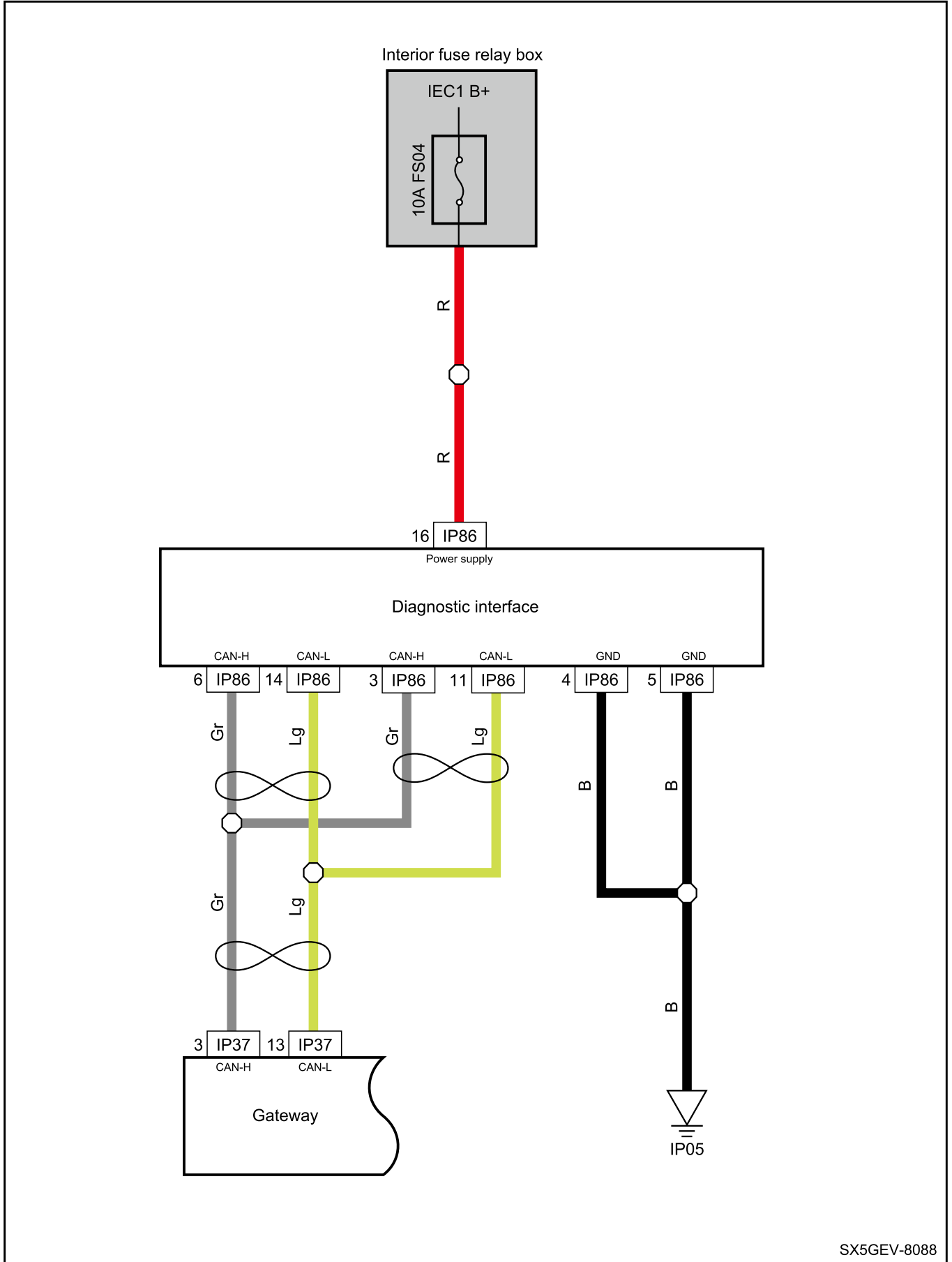
Harness connector	Name	Page
IP59	Audio head unit	46
IP-LB1	Instrument panel harness - left body harness 1 (left)	46
IP-LB3	Instrument panel harness - left body harness 2 (left)	46
LB01	Front passenger seat	80
LB04	GND point	127
LB09	Driver seat	80
LB-IP1	Left body harness - instrument panel harness 1 (left)	80
LB-IP3	Left body harness - instrument panel harness 2 (left)	80

Panoramic electric sunroof (exclusive model)



Harness connector	Name	Page
FR04	Front compartment light	71
FR05	Panoramic sunroof ECU	71
FR-IP1	Roof harness - instrument panel harness	71
FR09	Rain/light sensor	71
IP07	GND point 10	125
IP64	BCM-J2	46
IP-FR1	Instrument panel harness – roof harness	46

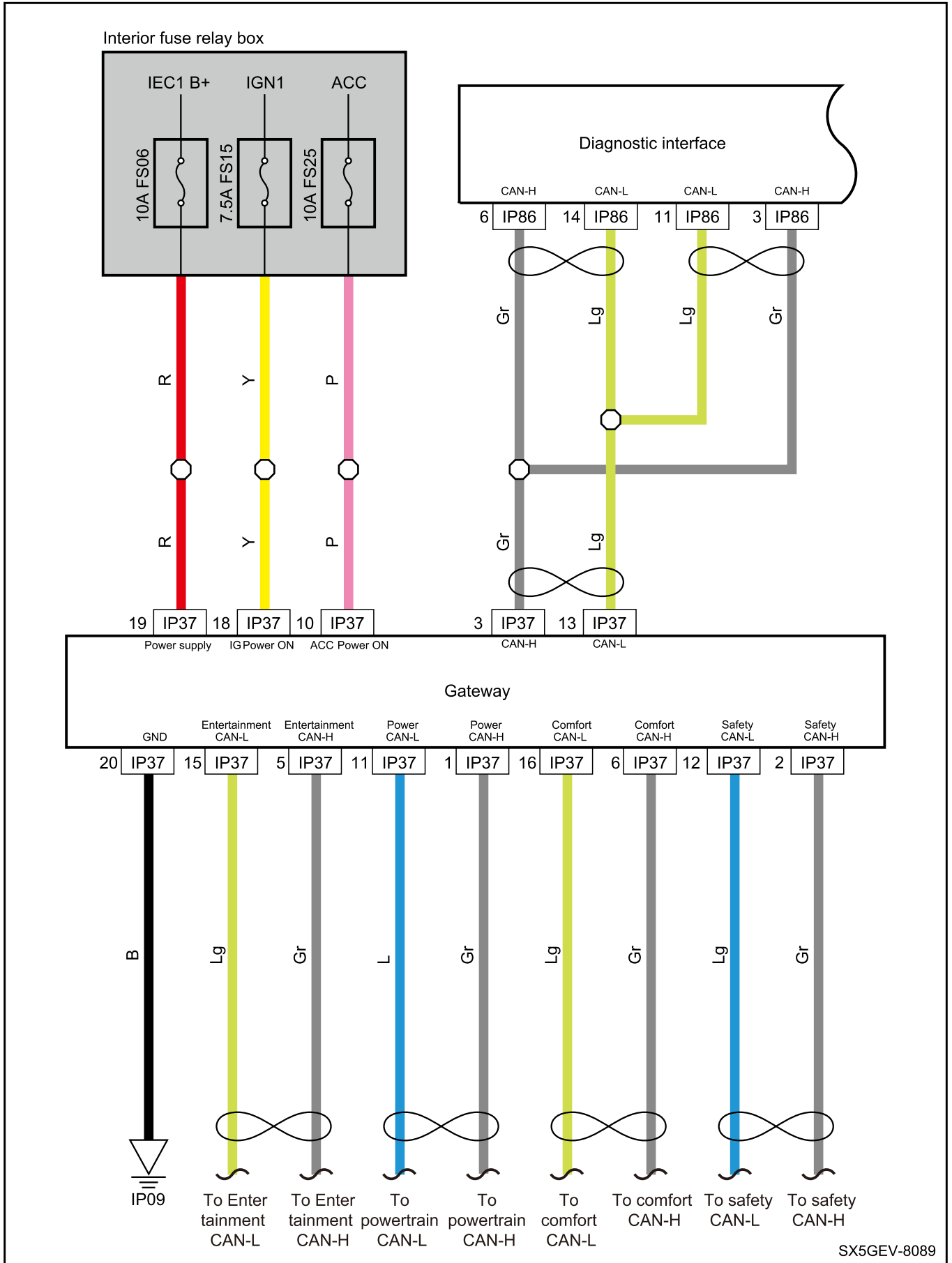
Diagnostic interface



SX5GEV-8088

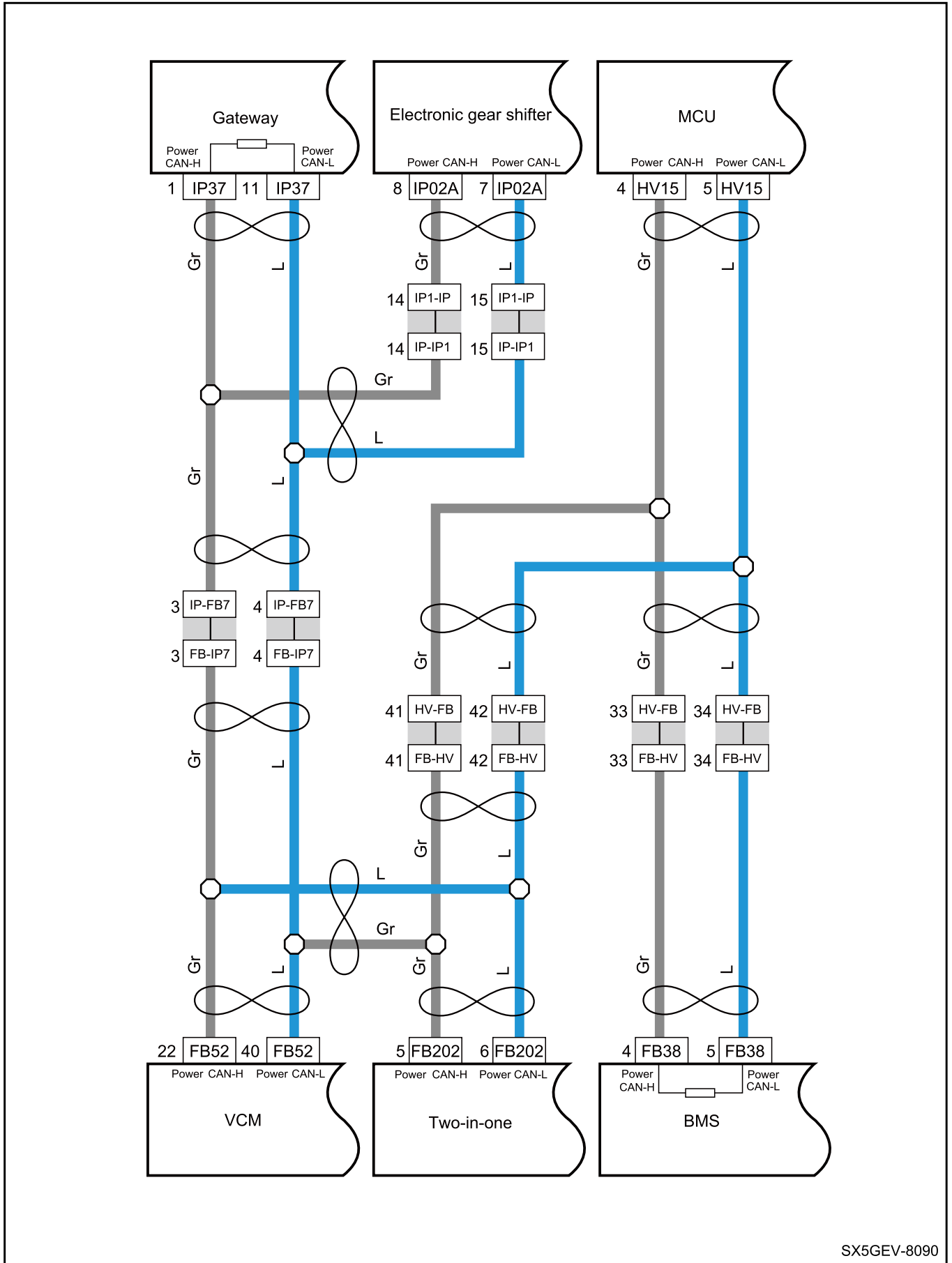
Harness connector	Name	Page
IP05	GND point 9	125
IP37	Gateway	46
IP86	Diagnostic interface	46

Gateway



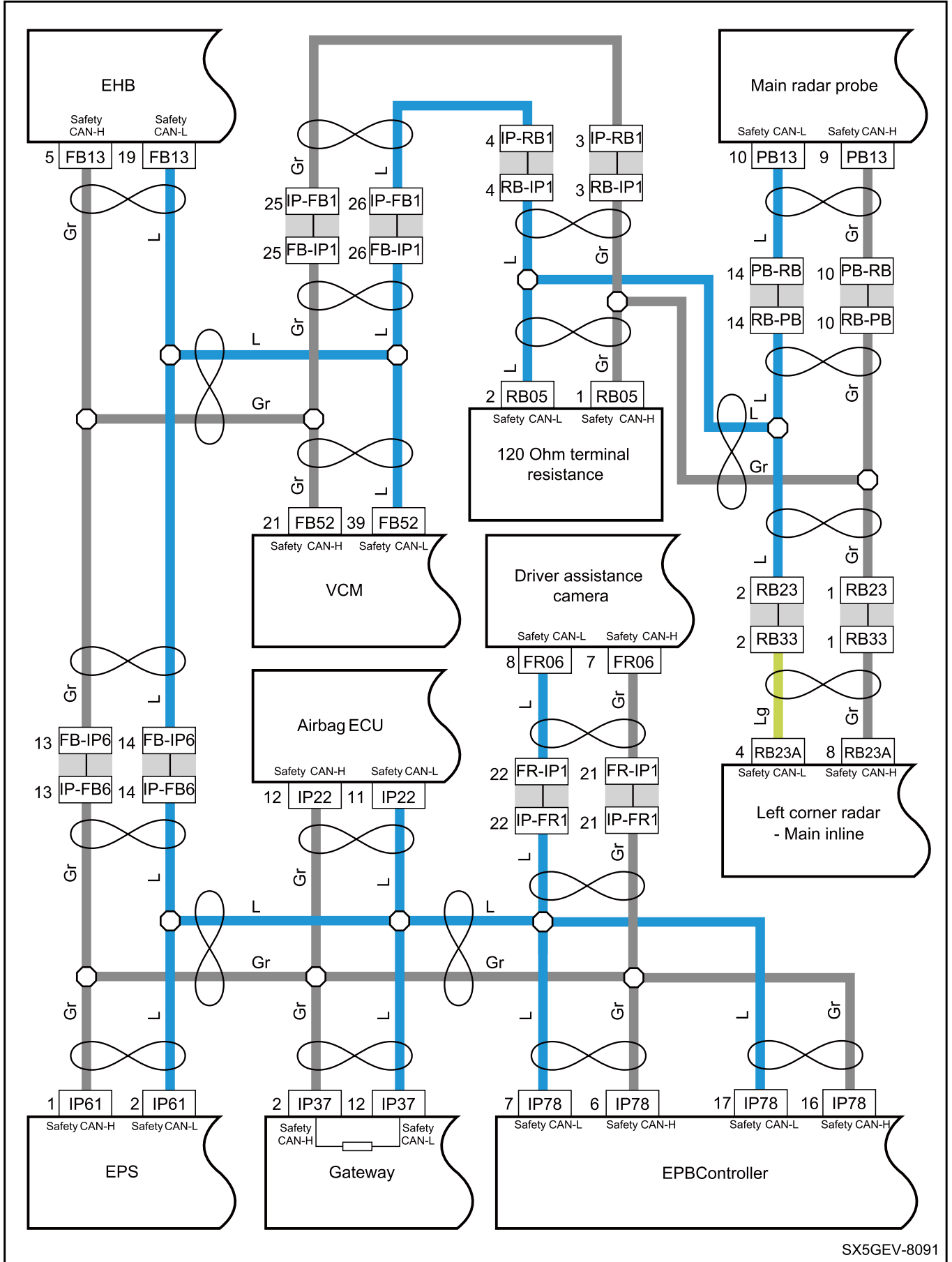
Harness connector	Name	Page
IP09	GND point 11	125
IP37	Gateway	46
IP86	Diagnostic interface	46

EV CAN bus communication system



Harness connector	Name	Page
FB202	Two-in-one	31
FB38	BMS	31
FB52	VCM A	31
FB-HV	Engine compartment harness - high-voltage system low-voltage control harness	31
FB-IP7	Engine compartment harness - instrument panel harness 2 (left)	31
HV15	MCU	26
HV-FB	Low-voltage control harness of high-voltage system - engine compartment harness	26
IP02A	Electronic gear shifter	47
IP1-IP	Console harness – instrument panel harness	47
IP37	Gateway	46
IP-FB7	Instrument panel harness - engine compartment harness 2 (left)	46
IP-IP1	Instrument panel harness – console harness	46

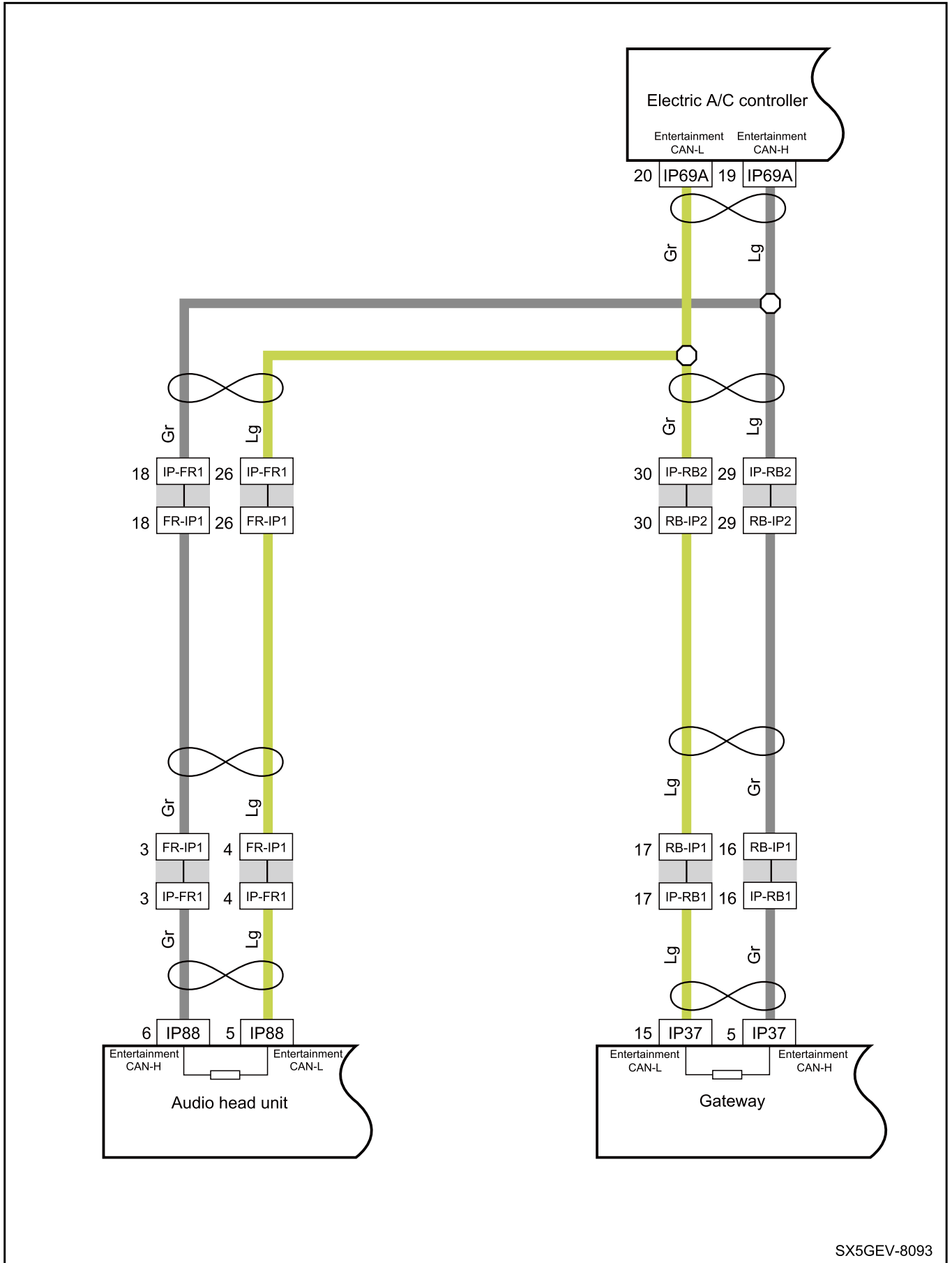
SF CAN bus communication system



Harness connector	Name	Page
FB13	EHB	31
FB52	VCM A	31
FB-IP2	Engine compartment harness - instrument panel harness 2 (right)	31
FB-IP6	Engine compartment harness - instrument panel harness 1 (left)	31
FR06	Driver assistance camera	71
FR-IP1	Roof harness - instrument panel harness	71
IP22	SRS ECU-A	46
IP37	Gateway	46
IP61	EPS	46
IP78	EPB controller	46
IP-FB2	Instrument panel harness - engine compartment harness 2 (right)	46
IP-FB6	Instrument panel harness - engine compartment harness 1 (left)	46
IP-FR1	Instrument panel harness – roof harness	46
IP-RB1	Instrument panel harness - right body harness	46
PB13	Main radar probe	77
PB-RB	Rear bumper harness – right body harness 1	77
RB05	120 Ω terminal resistor	81
RB23	Left corner radar- main	81
RB23A	Left corner radar - main inline	81
RB33	Left corner radar - main	81
RB-IP1	Right body harness – instrument panel harness 1	81
RB-PB	Right body harness – rear bumper harness 1	81

Harness connector	Name	Page
IP04	Wireless charging	47
IP37	Gateway	46
IP63	BCM-J1	46
IP-IP1	Instrument panel harness – console harness	46
IP-LB2	Instrument panel harness-left body harness (middle)	46
IP-LD	Instrument panel harness – front left door harness	46
IP-RD	Instrument panel harness – front right door harness	46
IP1-IP	Console harness – instrument panel harness	47
LB01	Front passenger seat	80
LB29	Power boot lid ECU B	80
LB-IP2	Left body harness - instrument panel harness (middle)	80
LD02A	Left door control module A	104
LD1-LD	Front left door transition harness – front left door harness	104
LD-IP	Front left door harness – instrument panel harness	104
LD-LD1	Front left door harness – front left door transition harness	104
RD02A	Right door control module A	105
RD1-RD	Front right door transition harness – front right door harness	105
RD-IP	Front right door harness – instrument panel harness	105
RD-RD1	Front right door harness – front right door transition harness	105

IF CAN bus communication system



SX5GEV-8093

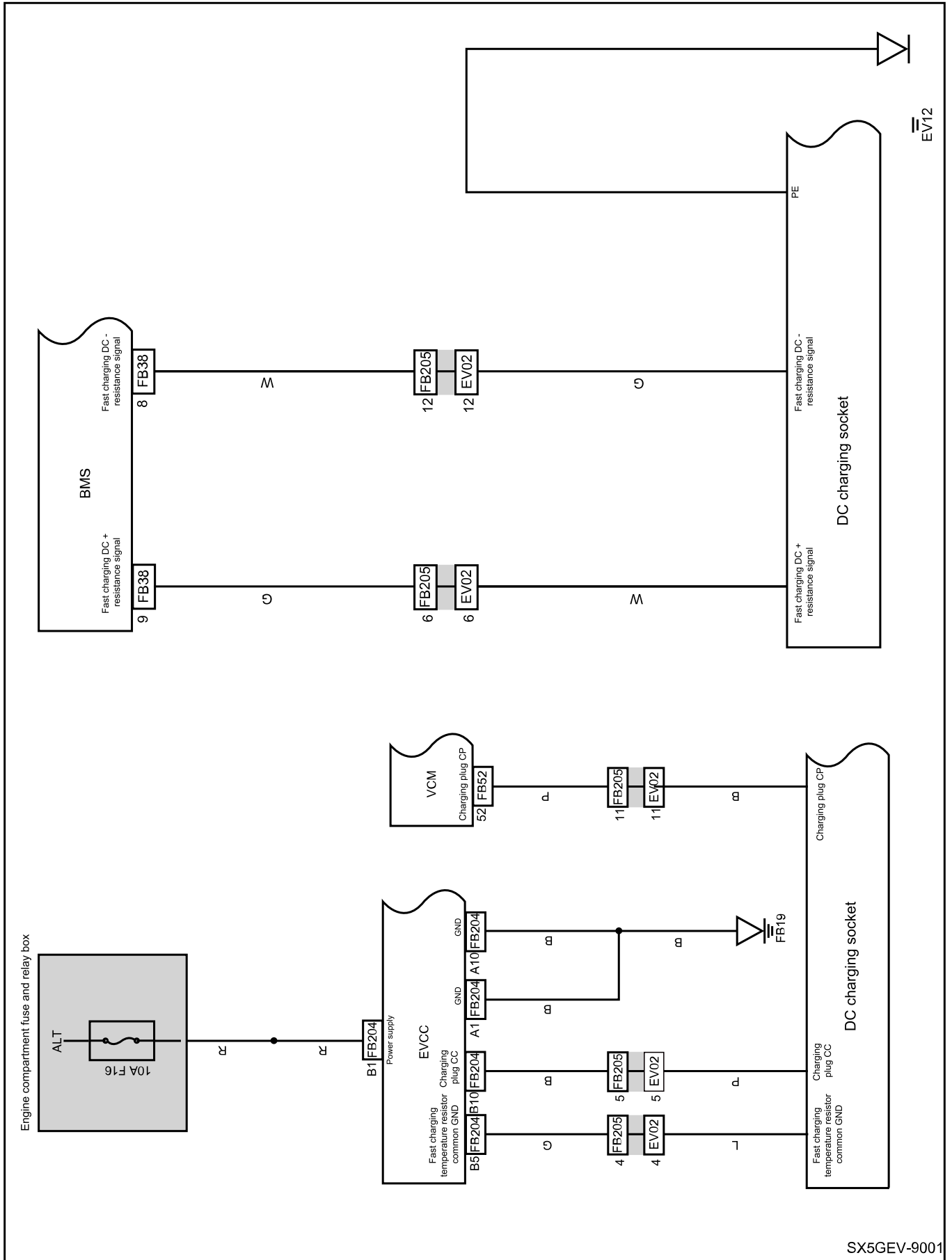
Harness connector	Name	Page
FR-IP1	Roof harness - instrument panel harness	71
IP37	Gateway	46
IP69A	Automatic A/C controller A	46
IP88	Audio head unit C	46
IP-FR1	Instrument panel harness – roof harness	46
IP-RB1	Instrument panel harness – right body harness 1	46
IP-RB2	Instrument panel harness – right body harness 2	46
RB-IP1	Right body harness – instrument panel harness 1	81
RB-IP2	Right body harness – instrument panel harness 2	81

Circuit diagram index

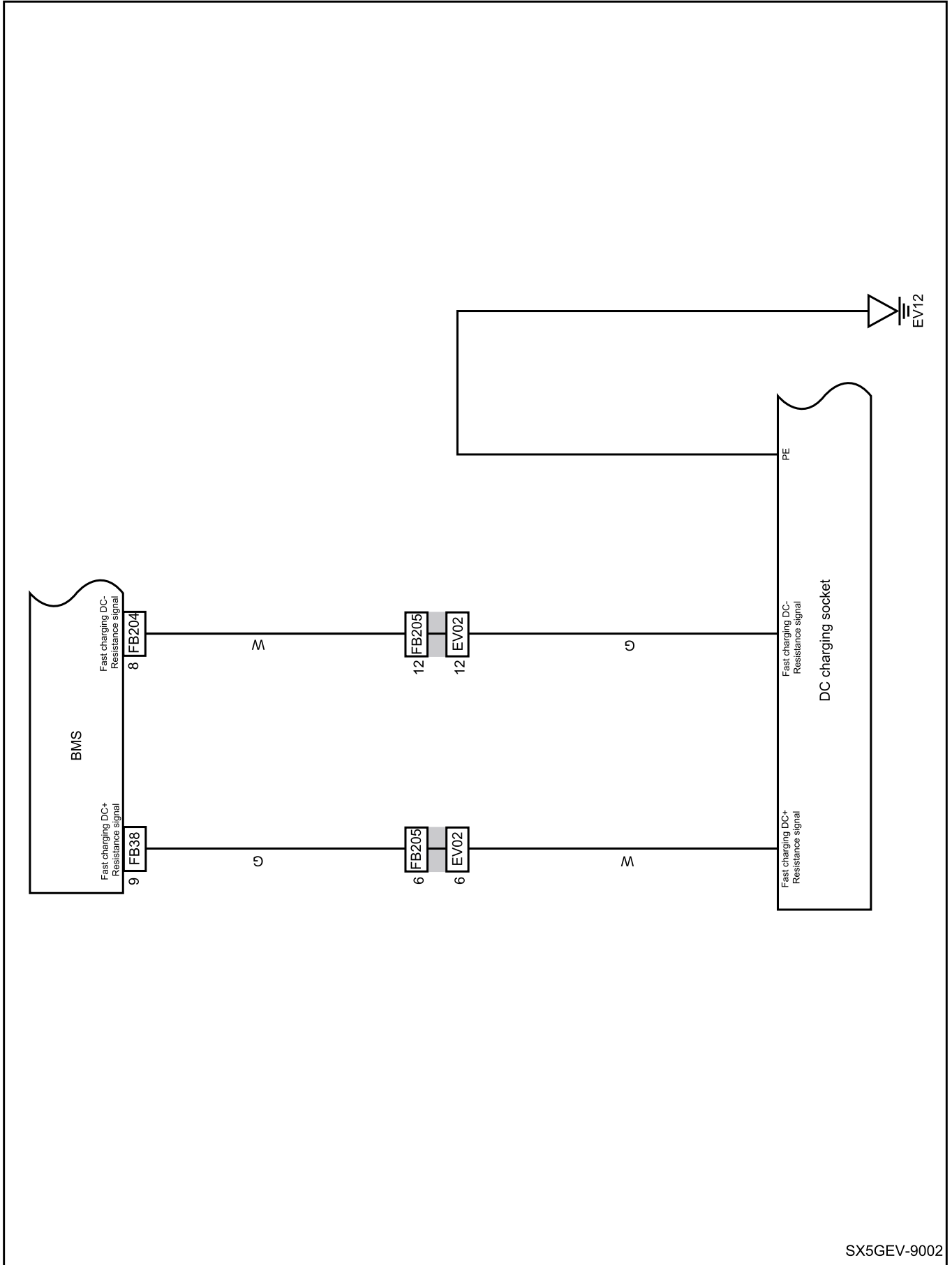
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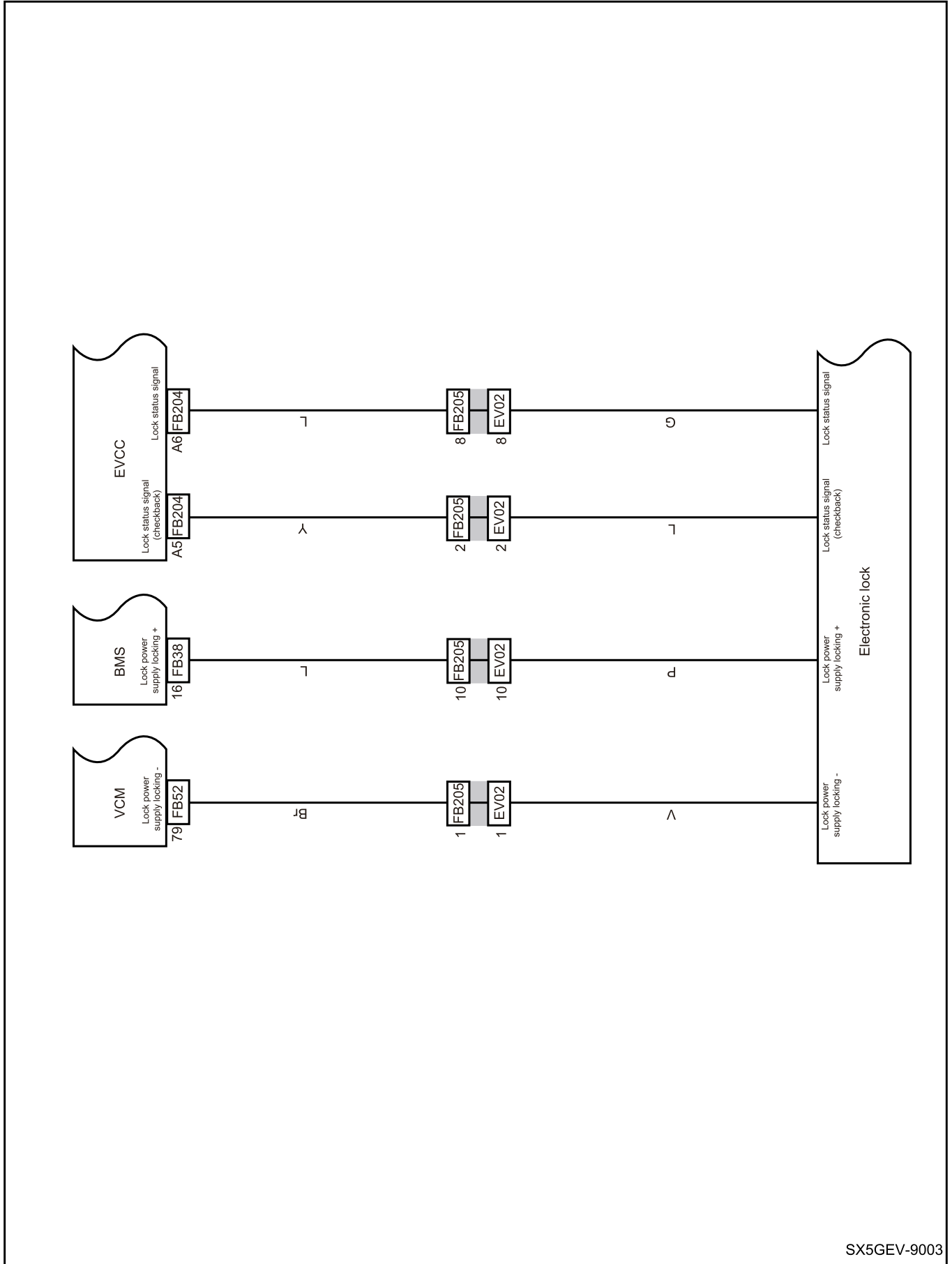
DC Charging Socket System - Overall Diagram



AC Charging Socket System - Overall Diagram

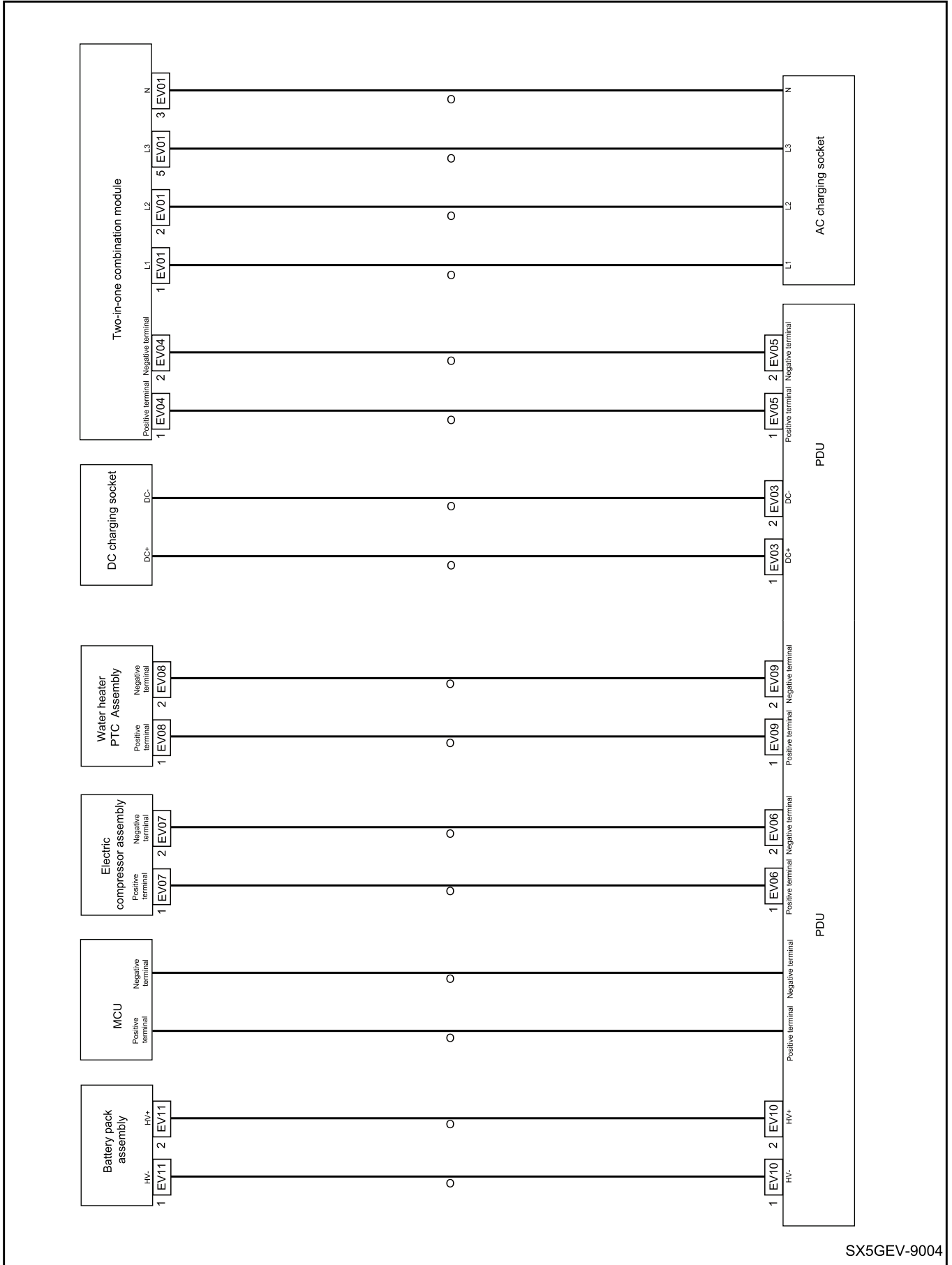


Electronic Lock - Overall Diagram



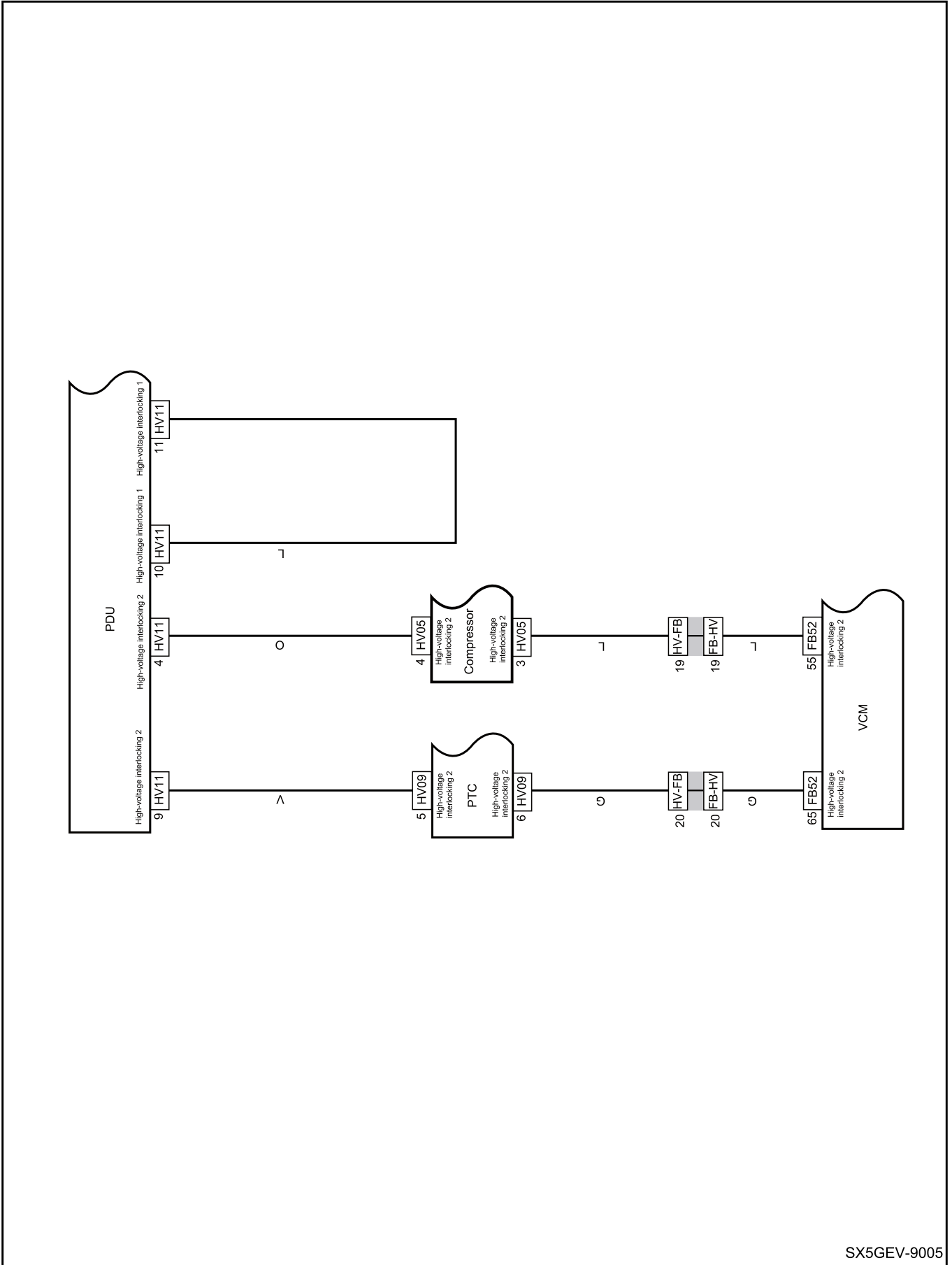
SX5GEV-9003

High-voltage Distribution System - Overall Diagram



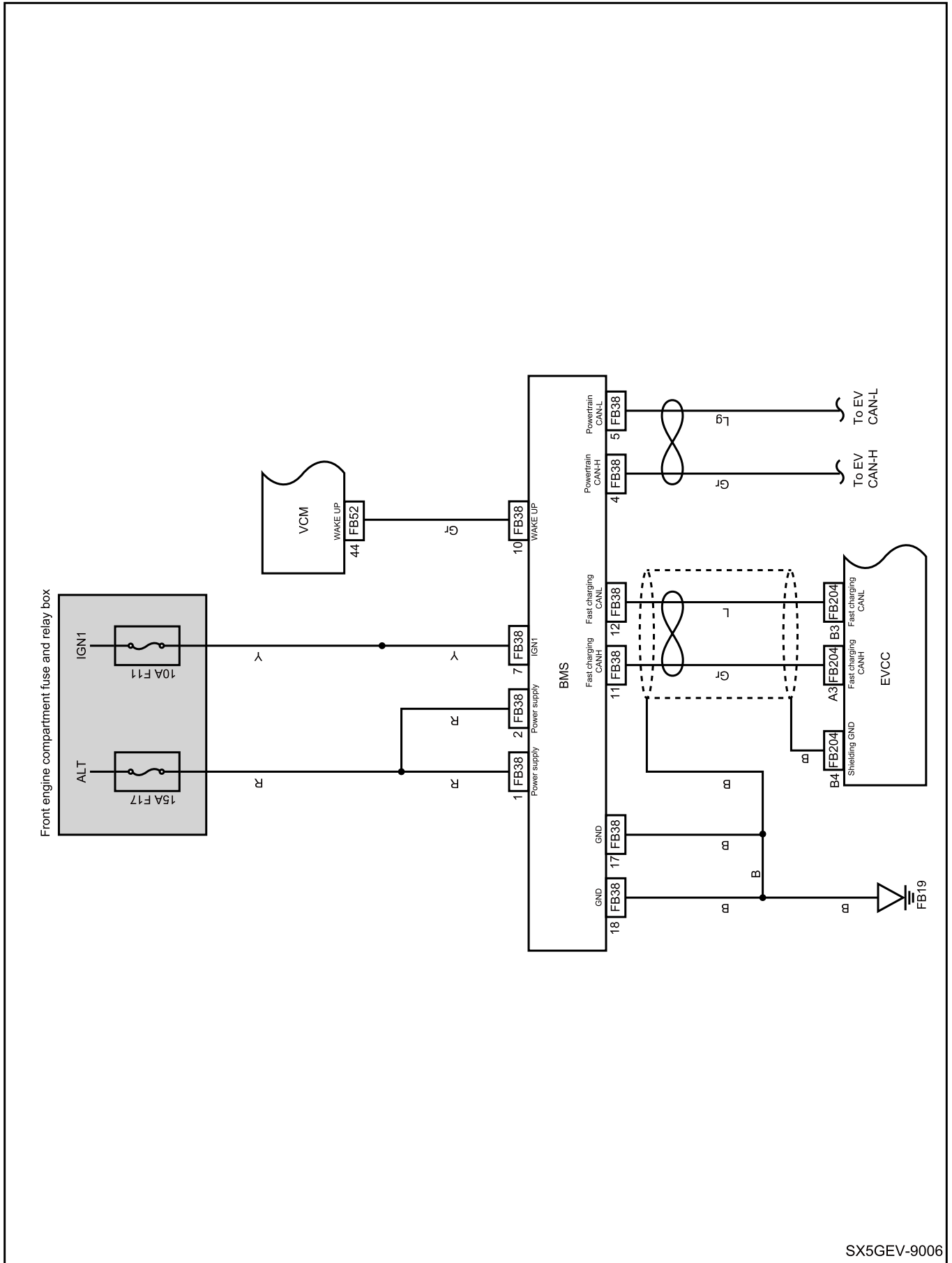
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High-voltage Interlocking System - Overall Diagram



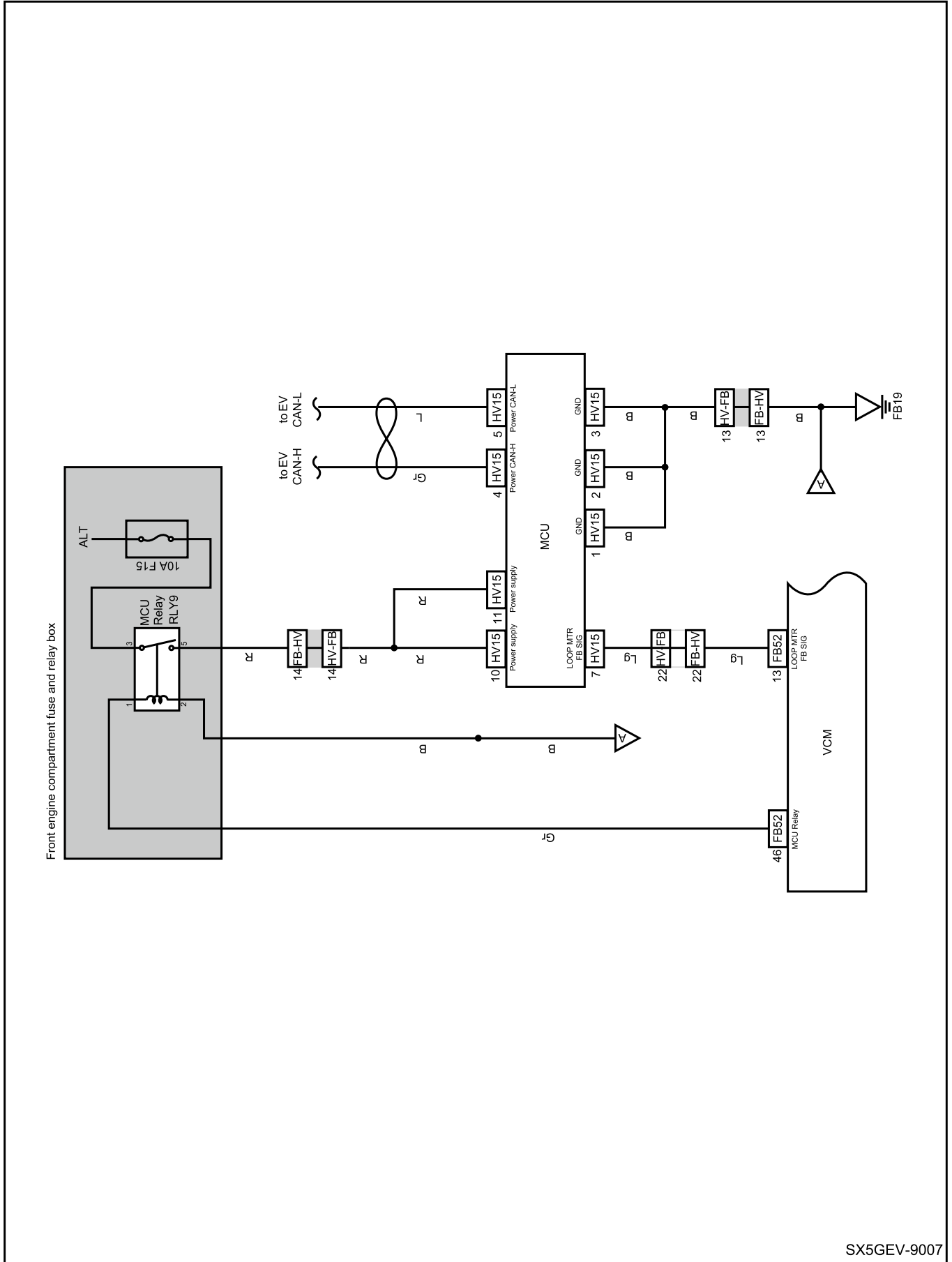
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Power Battery Control System - Overall Diagram



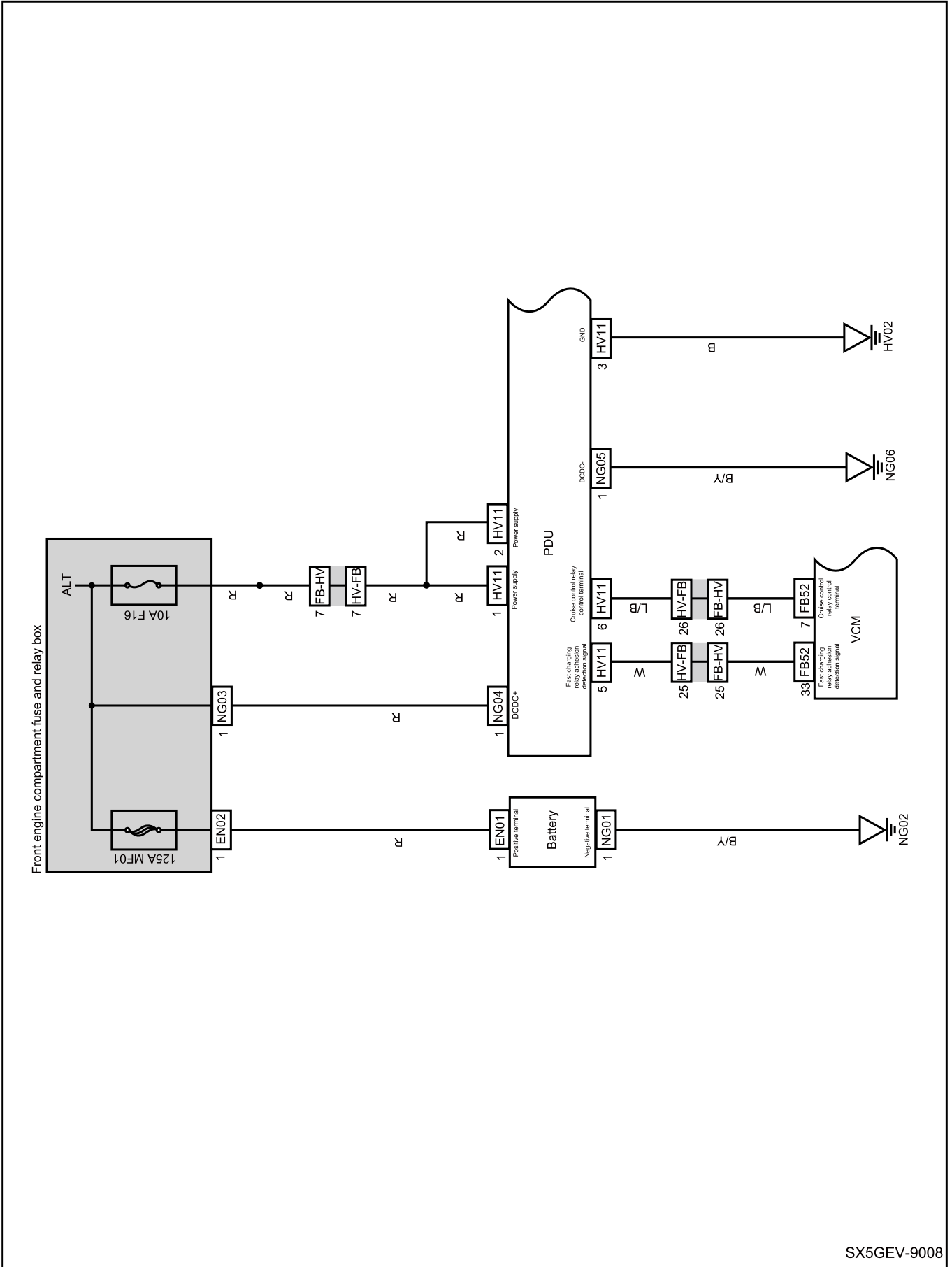
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Motor Control System - Overall Diagram



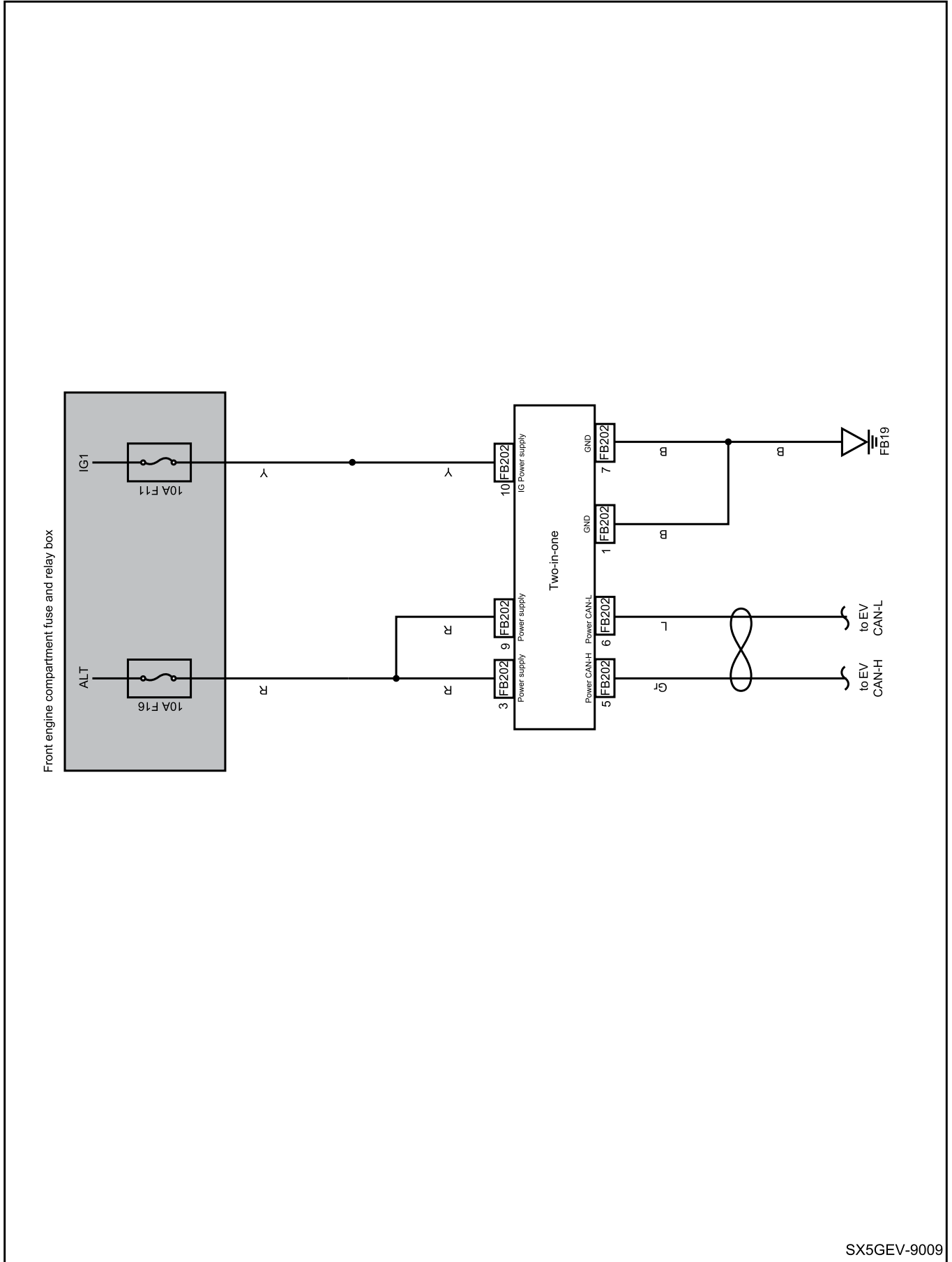
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PDU - Overall Diagram



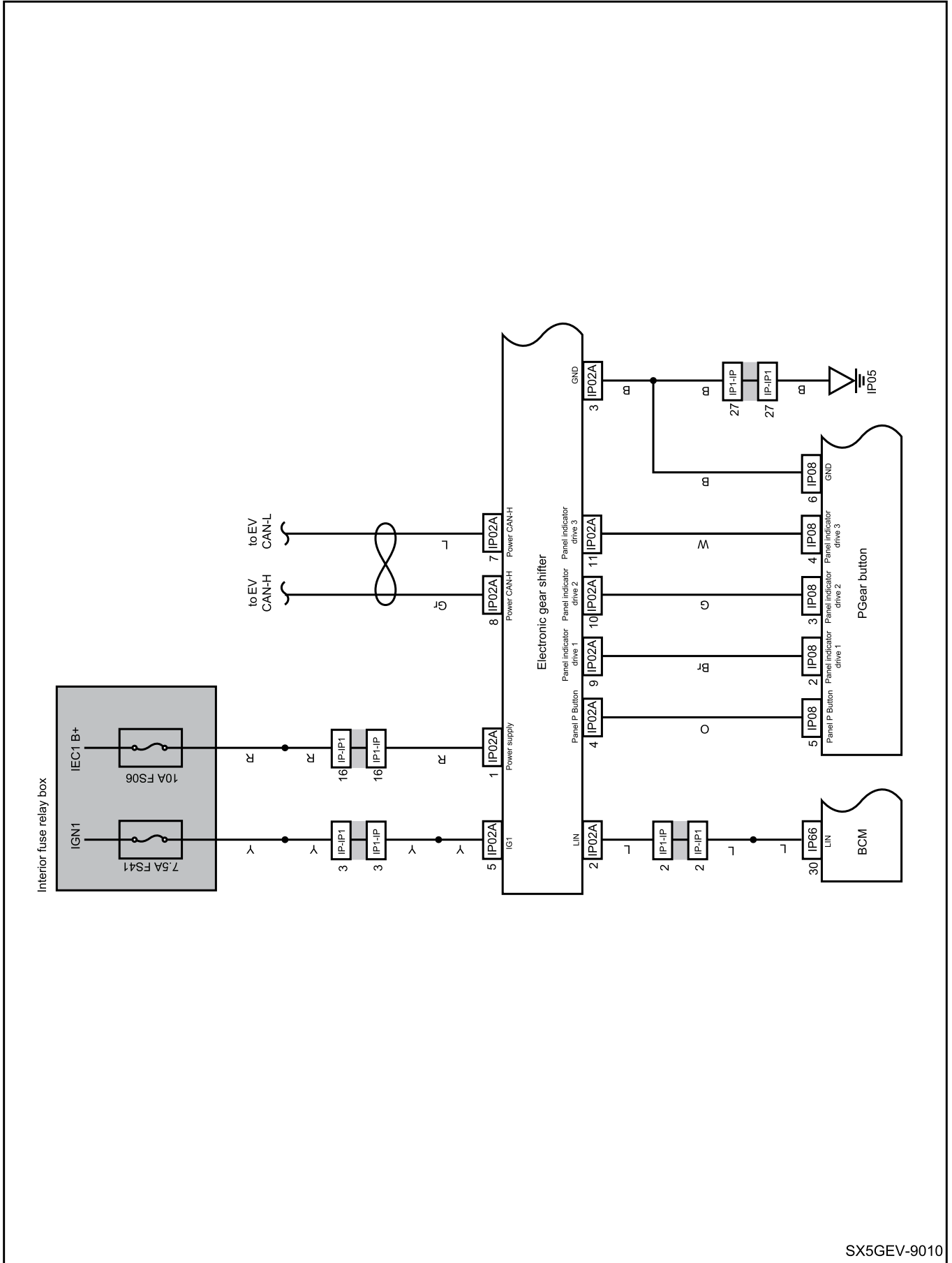
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Two-in-one Combination Module - Overall Diagram



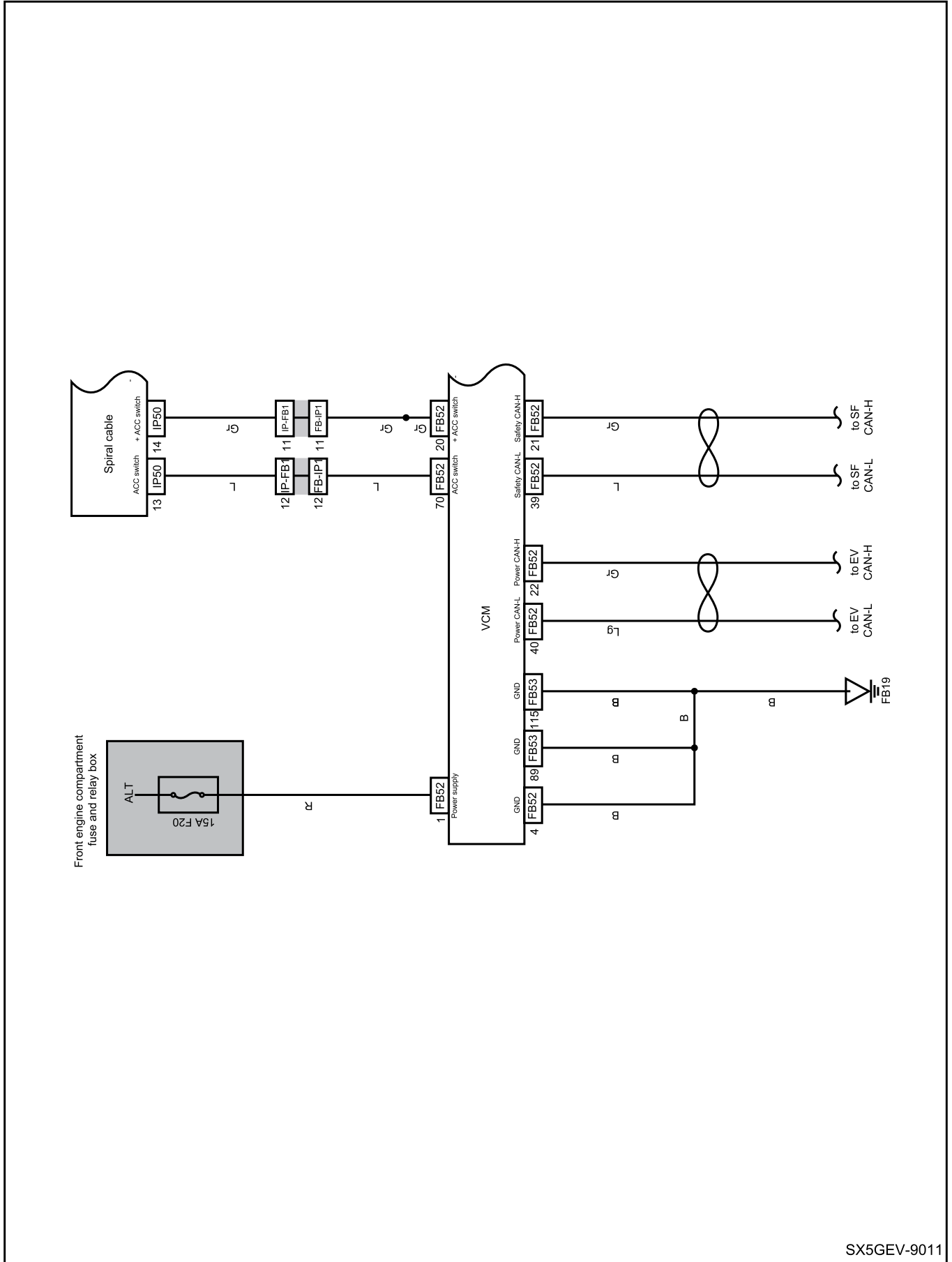
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Electronic Gear Shifter – Overall Diagram



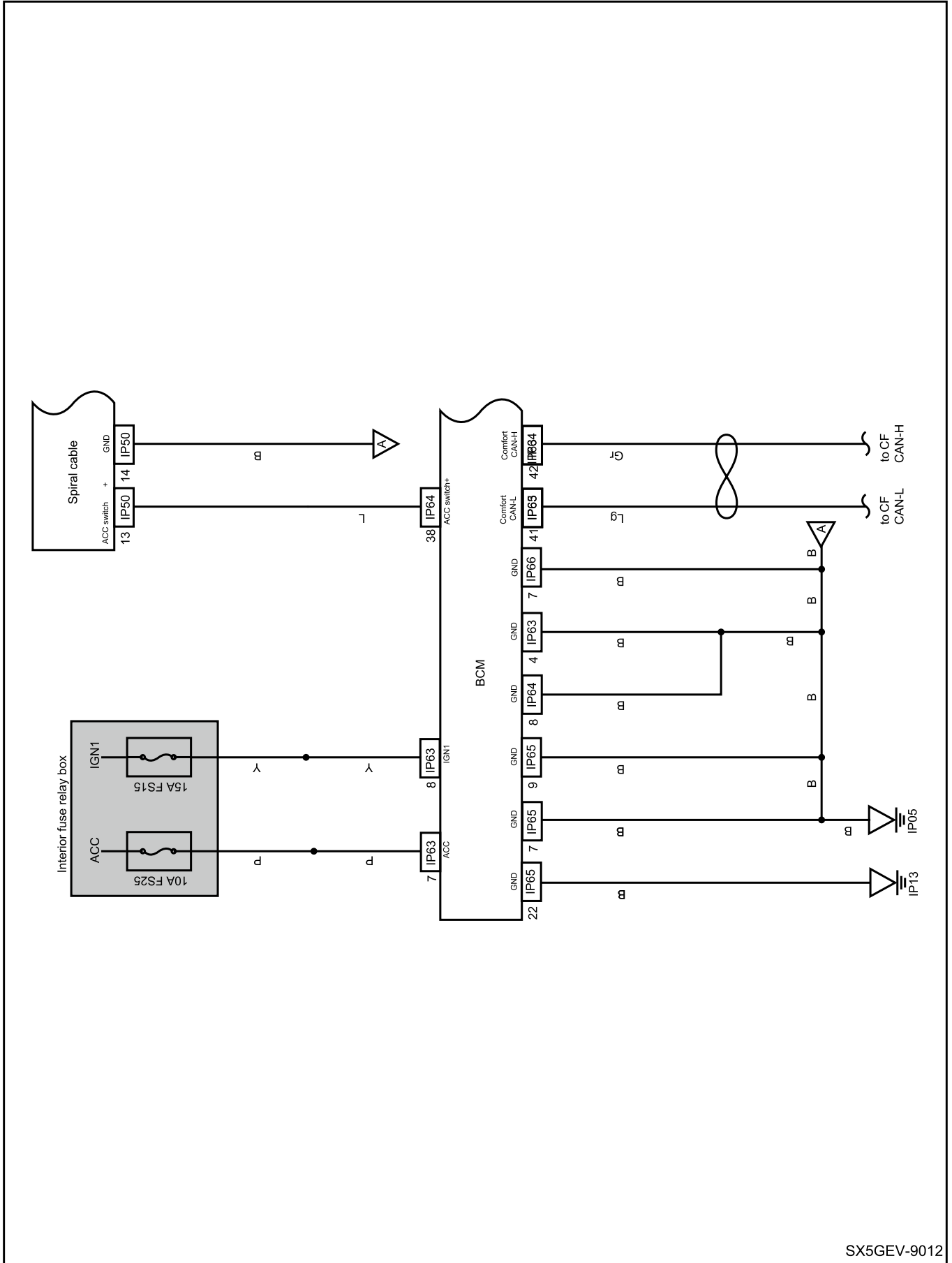
SX5GEV-9010

Cruise Control (luxury model) - Overall Diagram



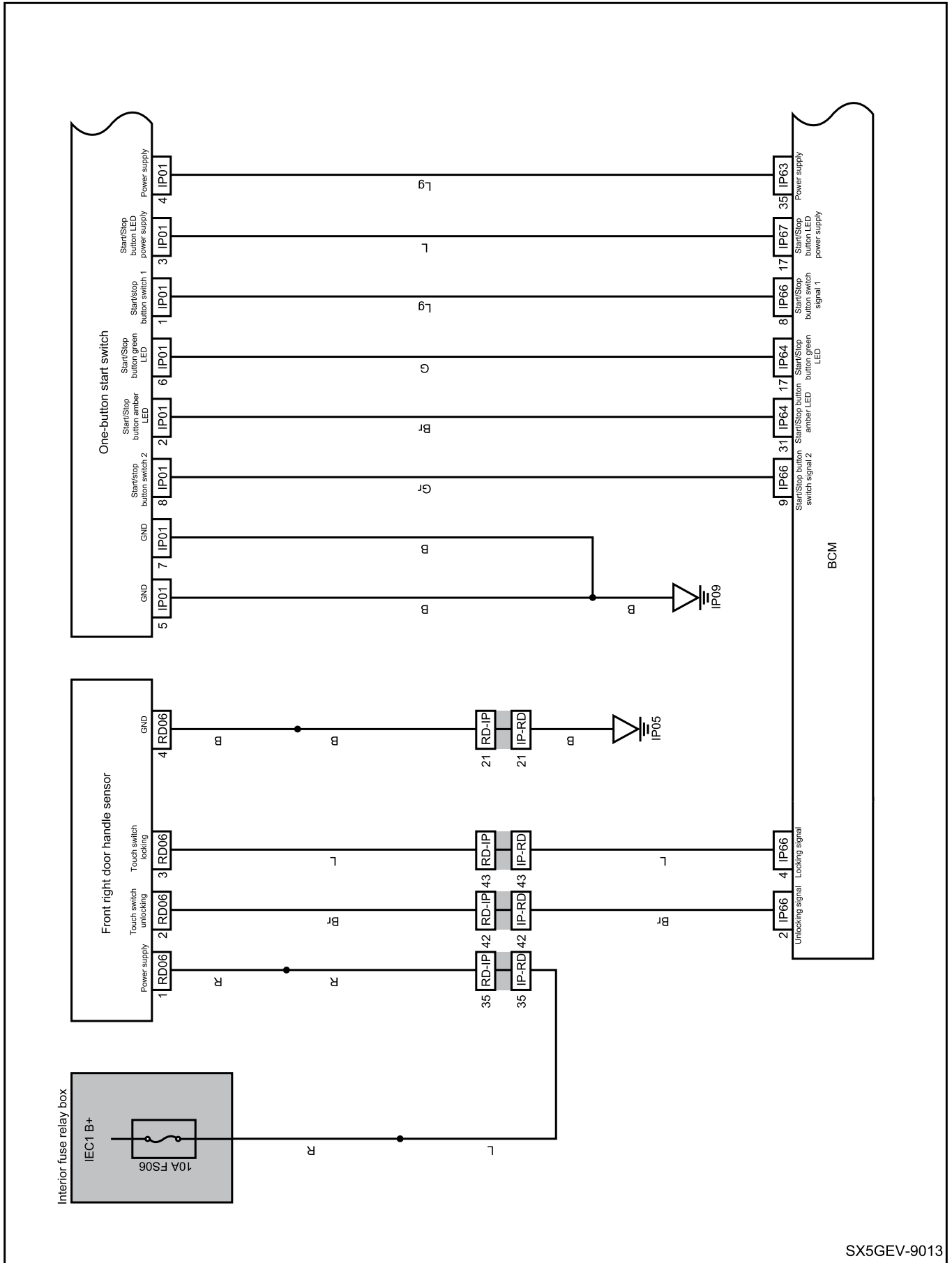
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ACC (Exclusive Model) - Overall Diagram



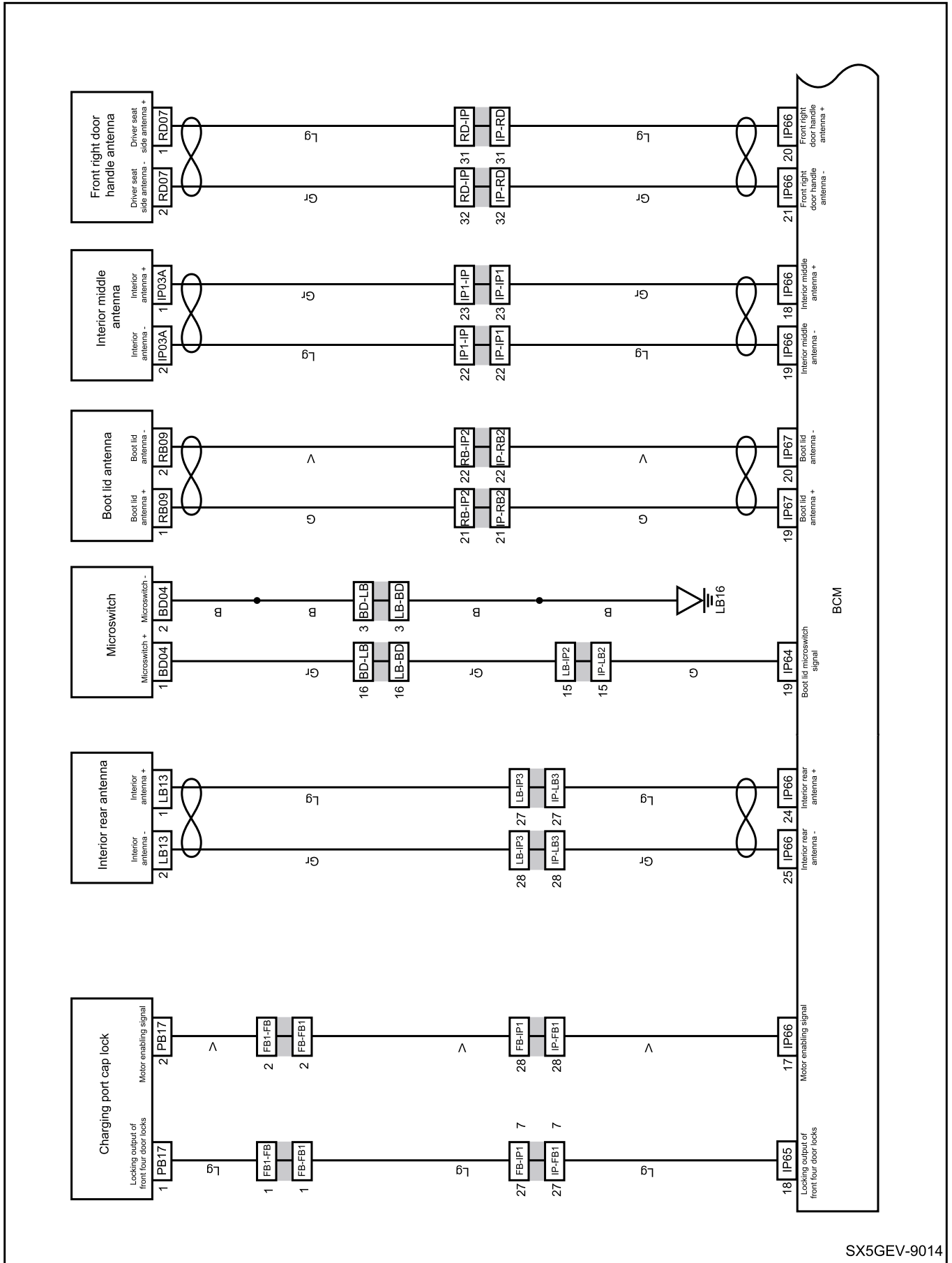
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PEPS System 1 – Overall Diagram

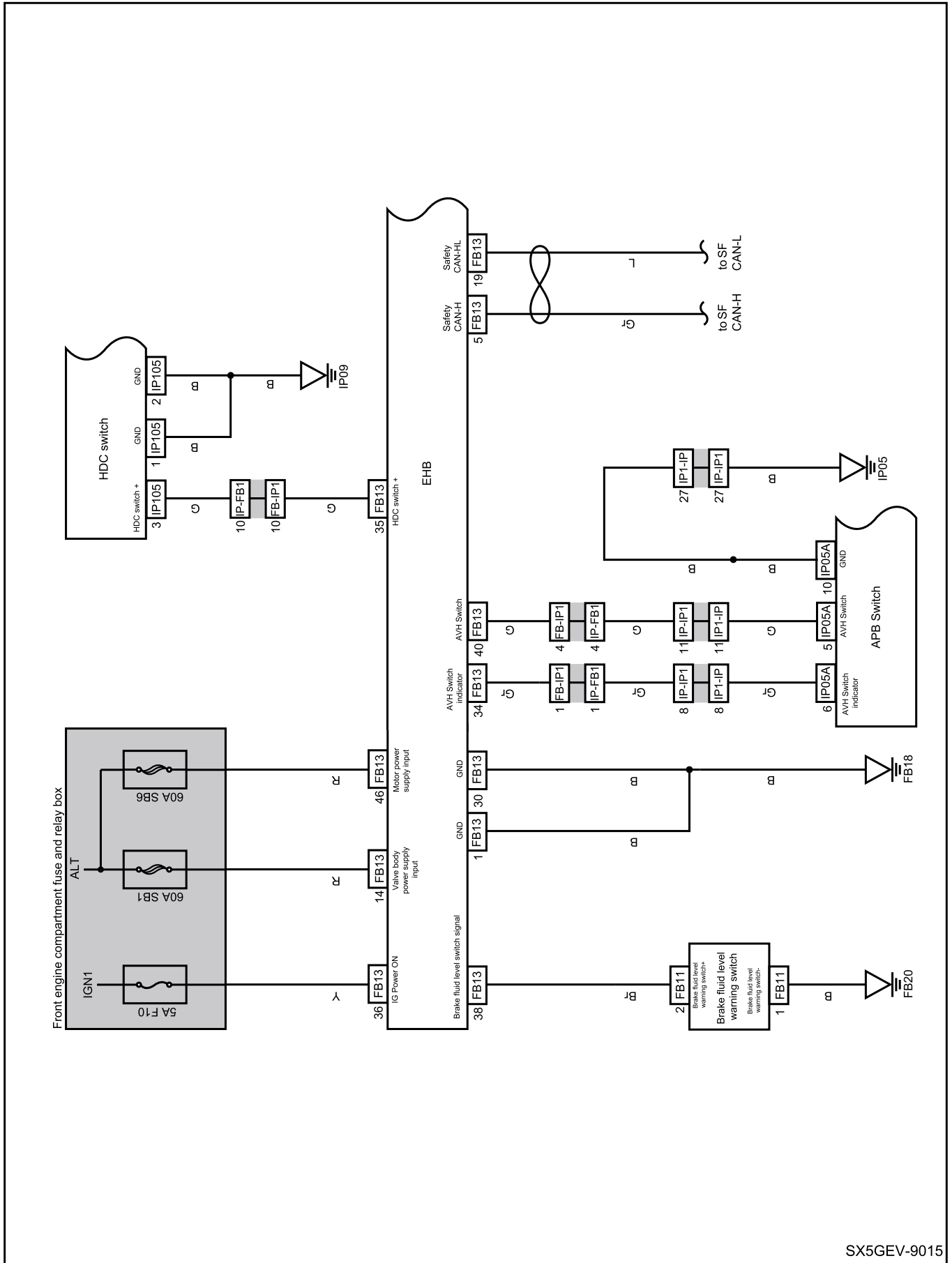


SX5GEV-9013

PEPS System 2 – Overall Diagram

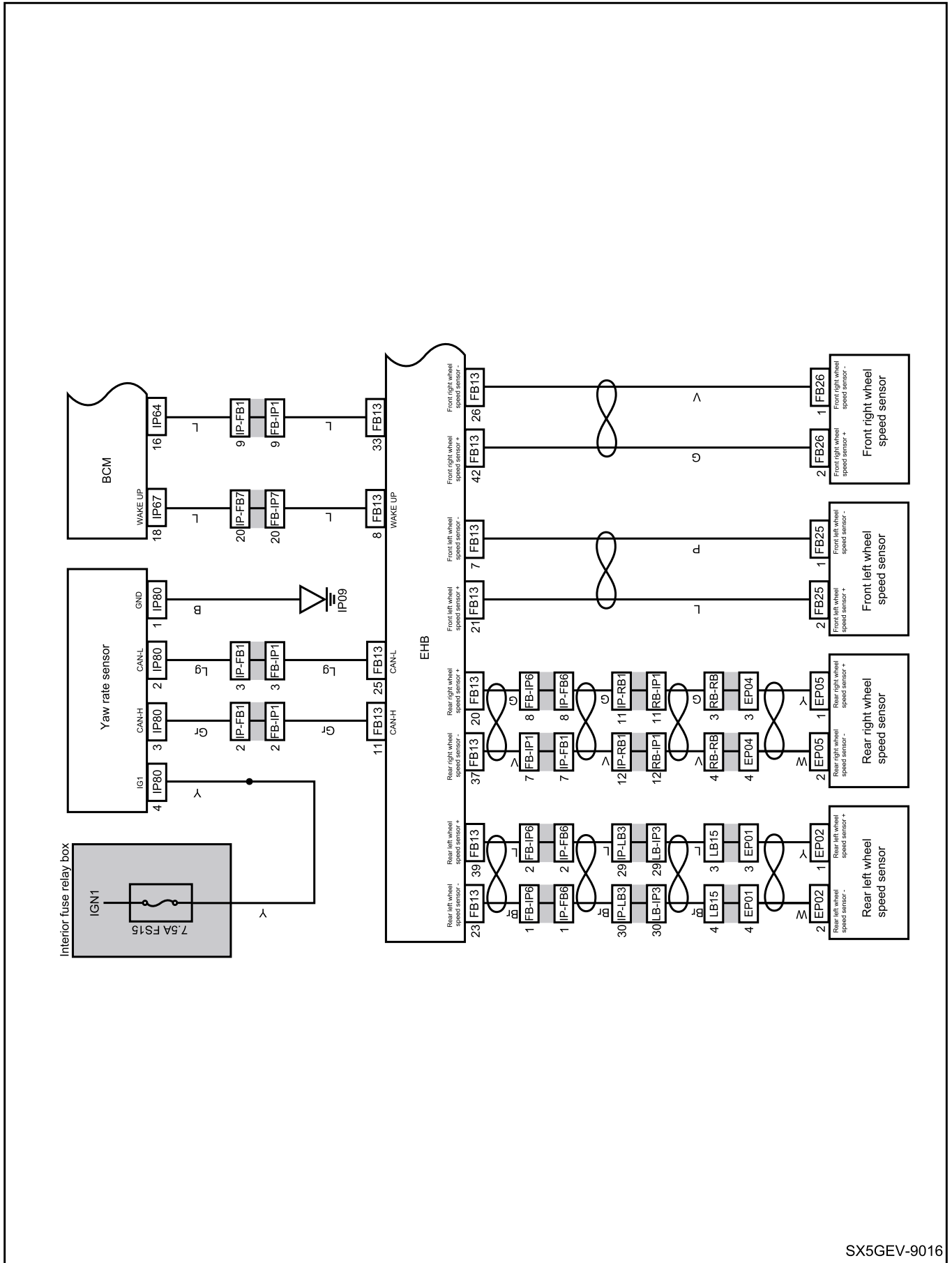


EHB Combination Module 1 - Overall Diagram



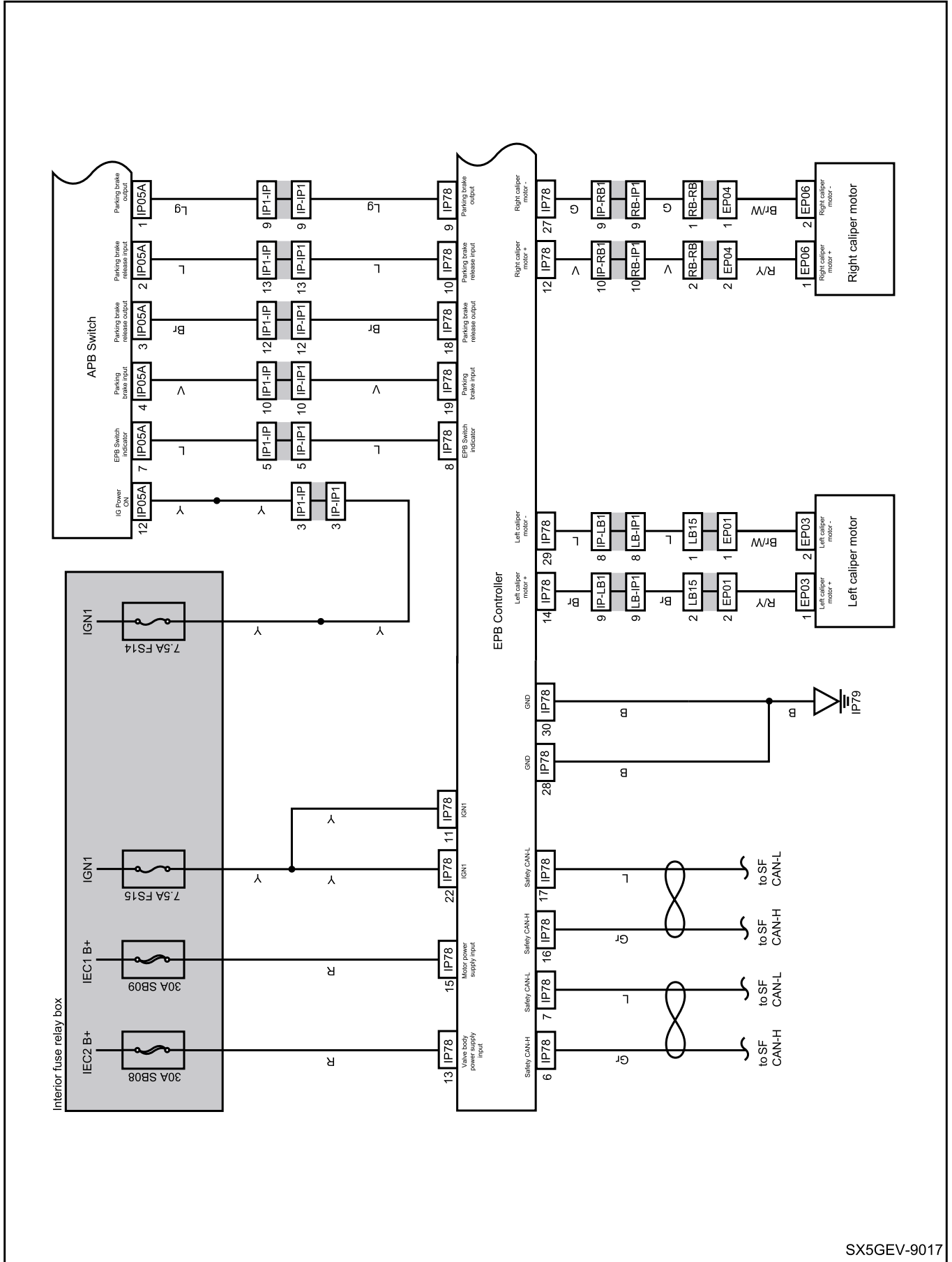
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EHB Combination Module 2 - Overall Diagram



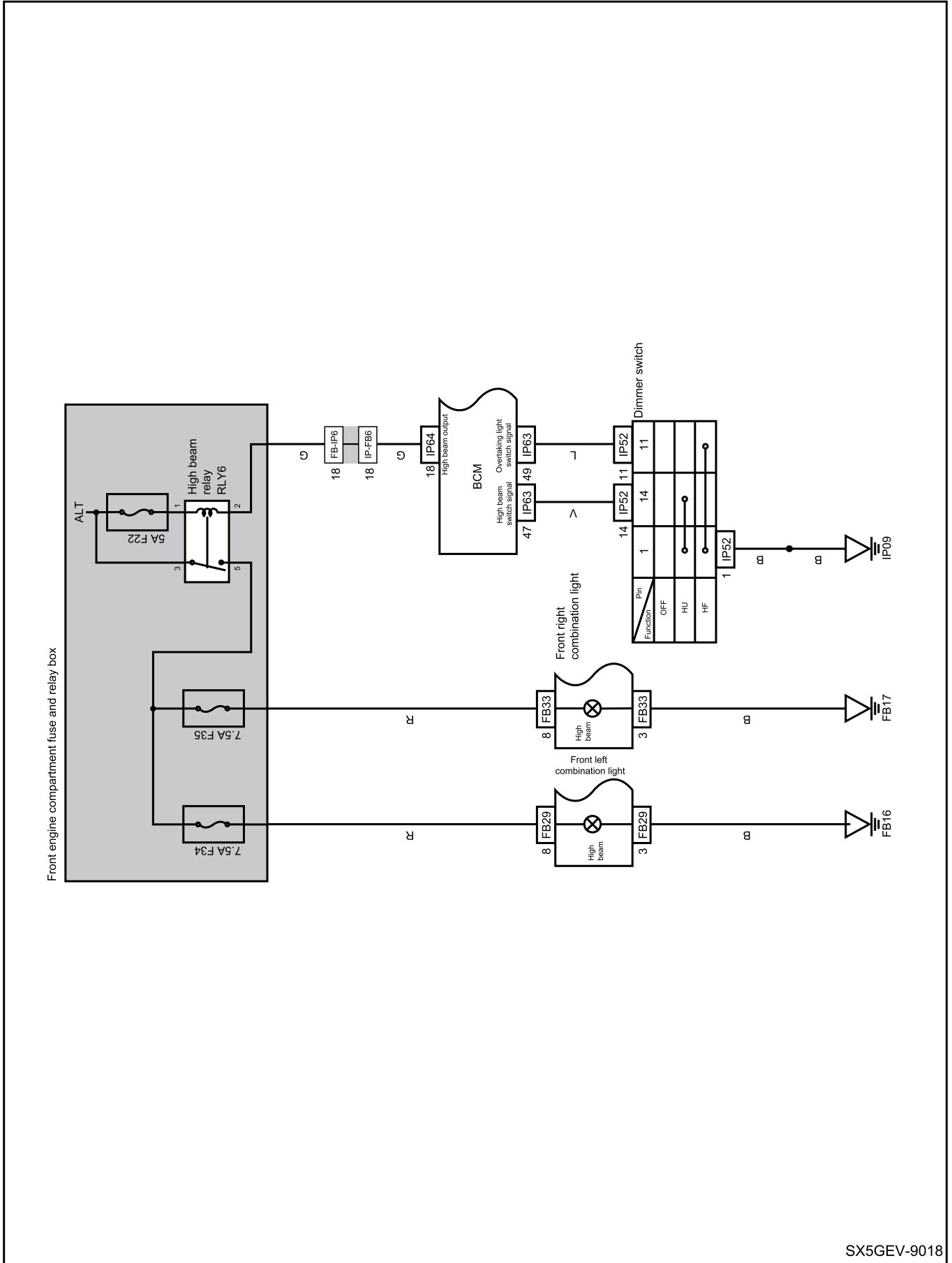
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EPB - Overall Diagram



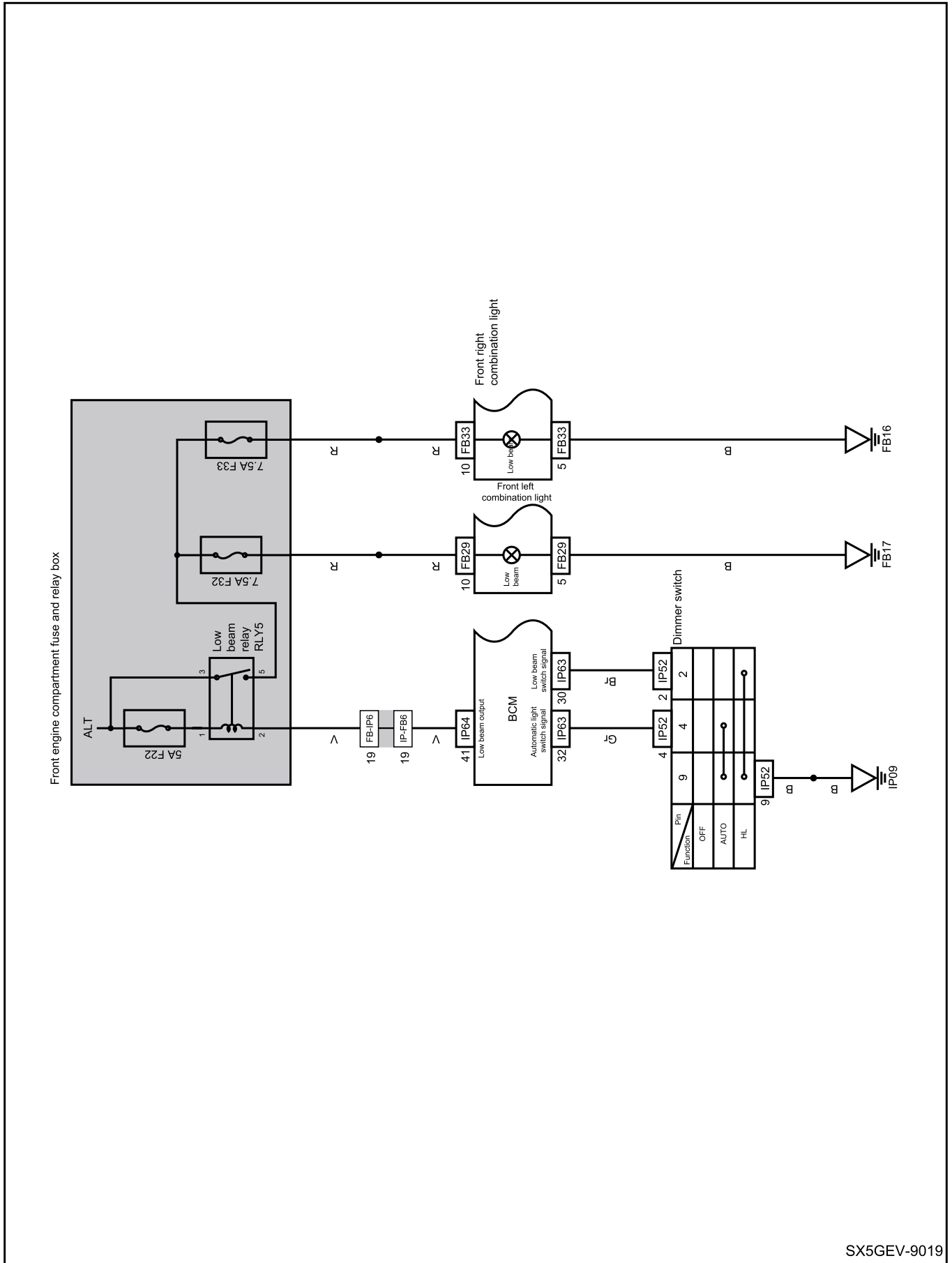
SX5GEV-9017

Headlight – High Beam – Overall Diagram

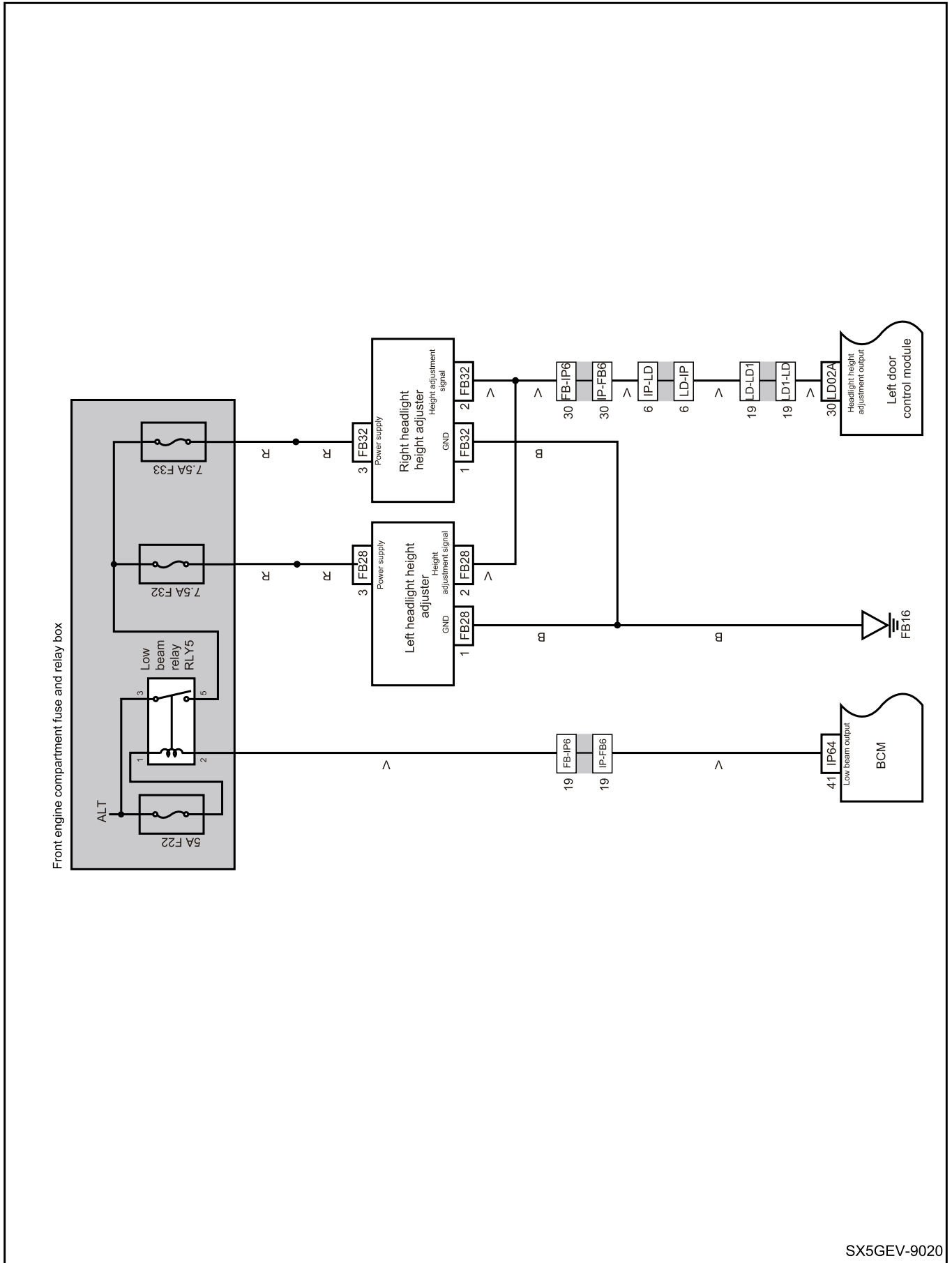


SX5GEV-9018

Headlight – Low Beam – Overall Diagram

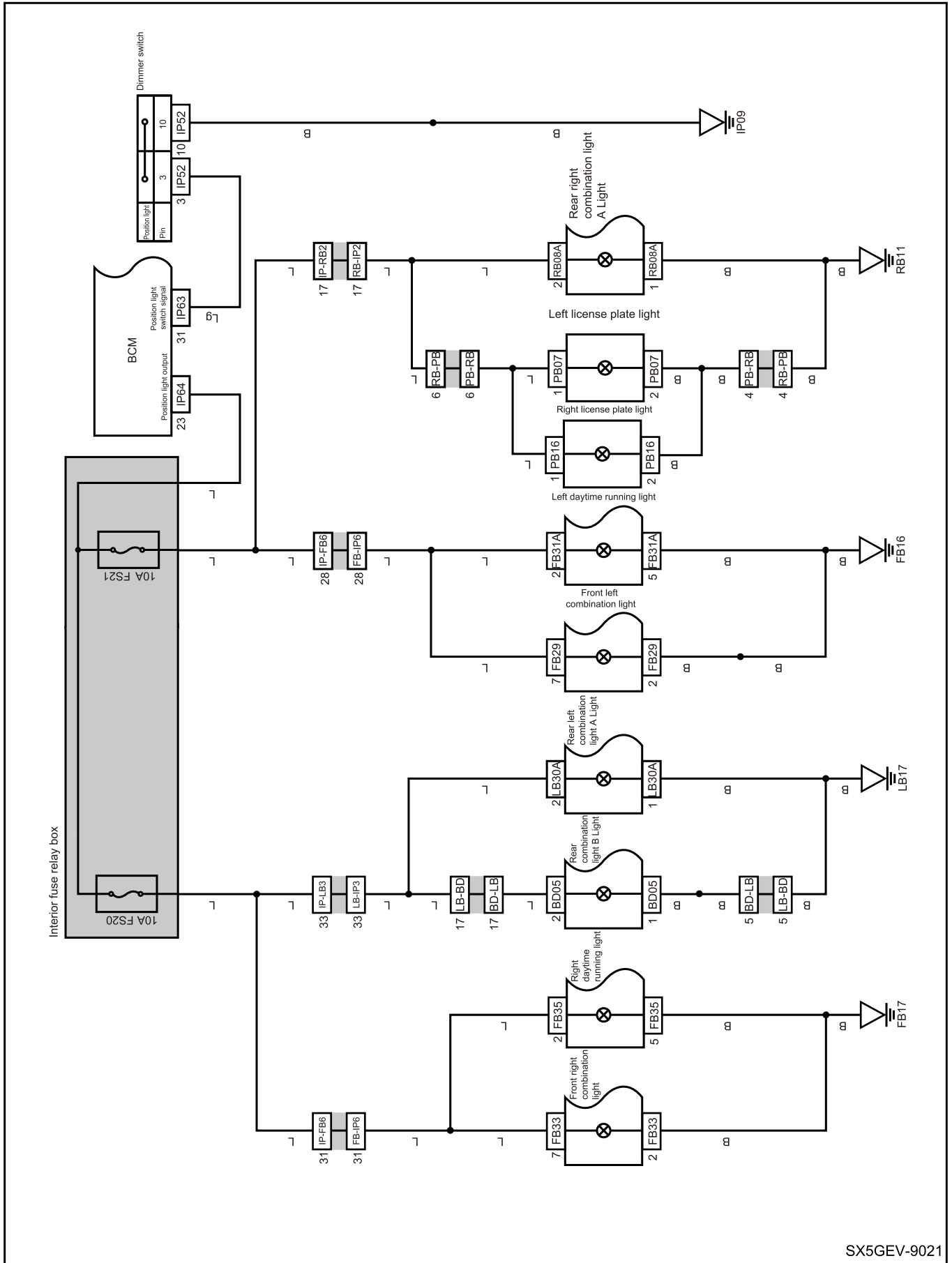


Headlight – Height Adjustment – Overall Diagram



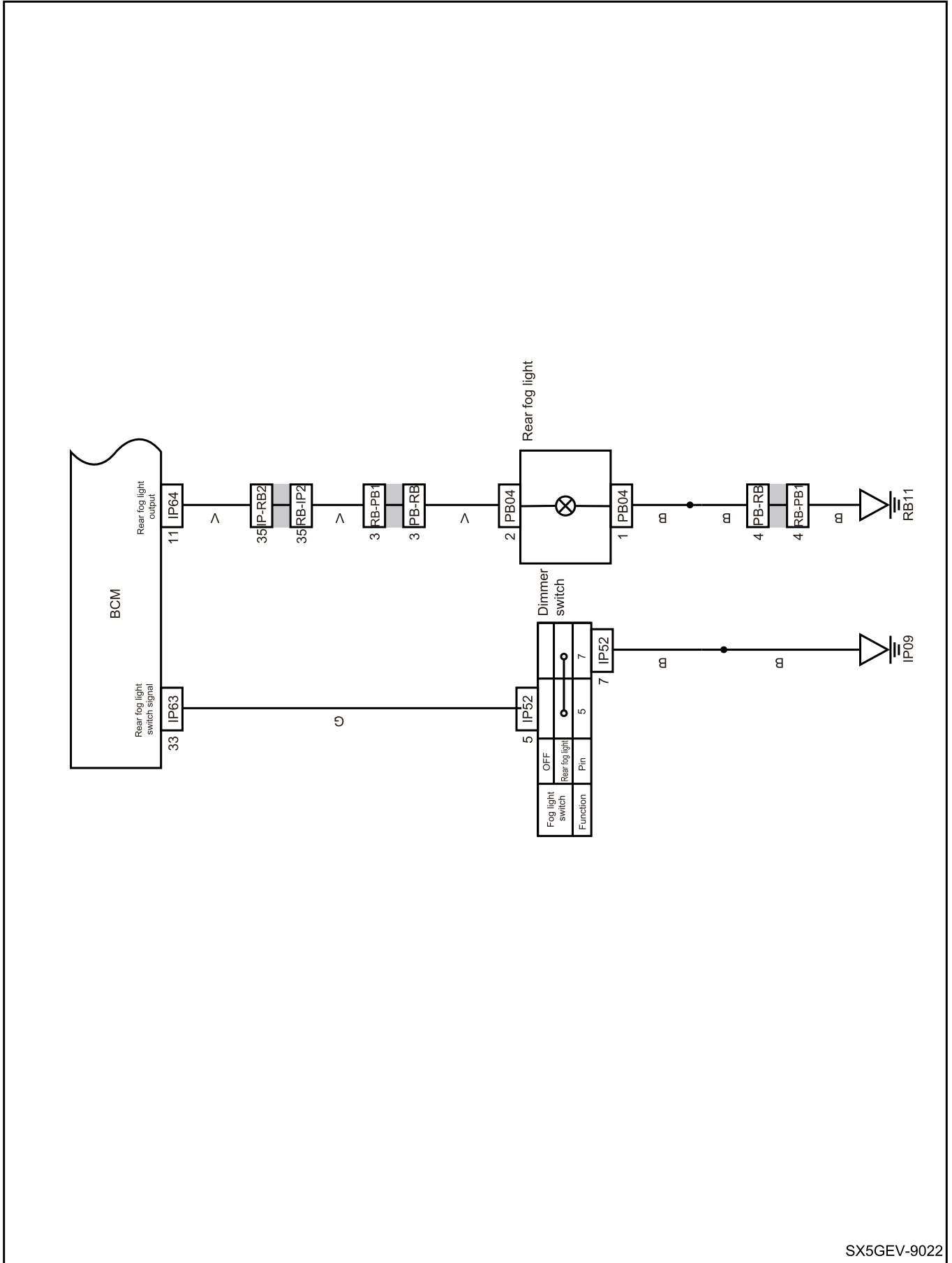
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Position Light – Overall Diagram



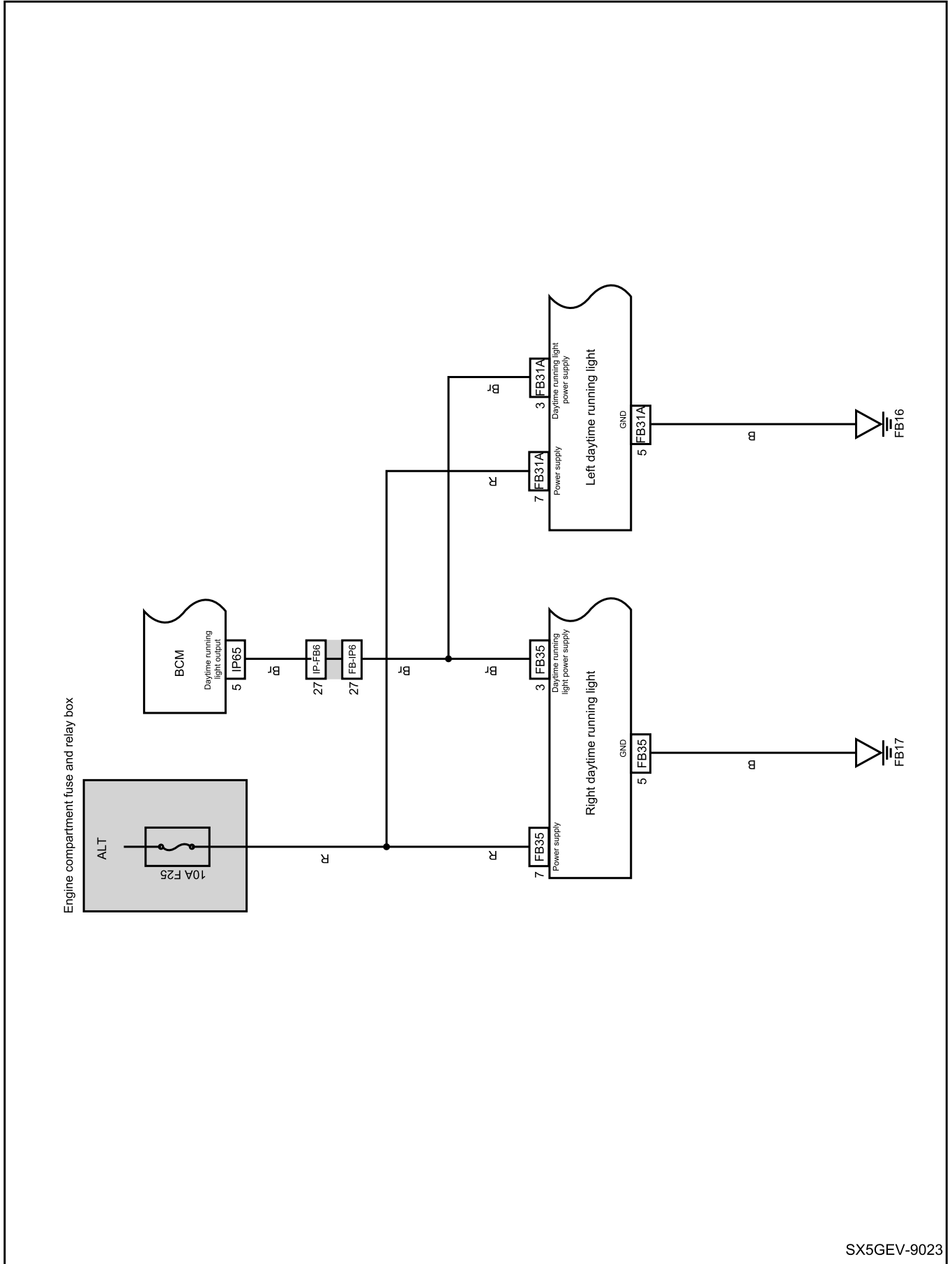
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Fog Light – Overall Diagram



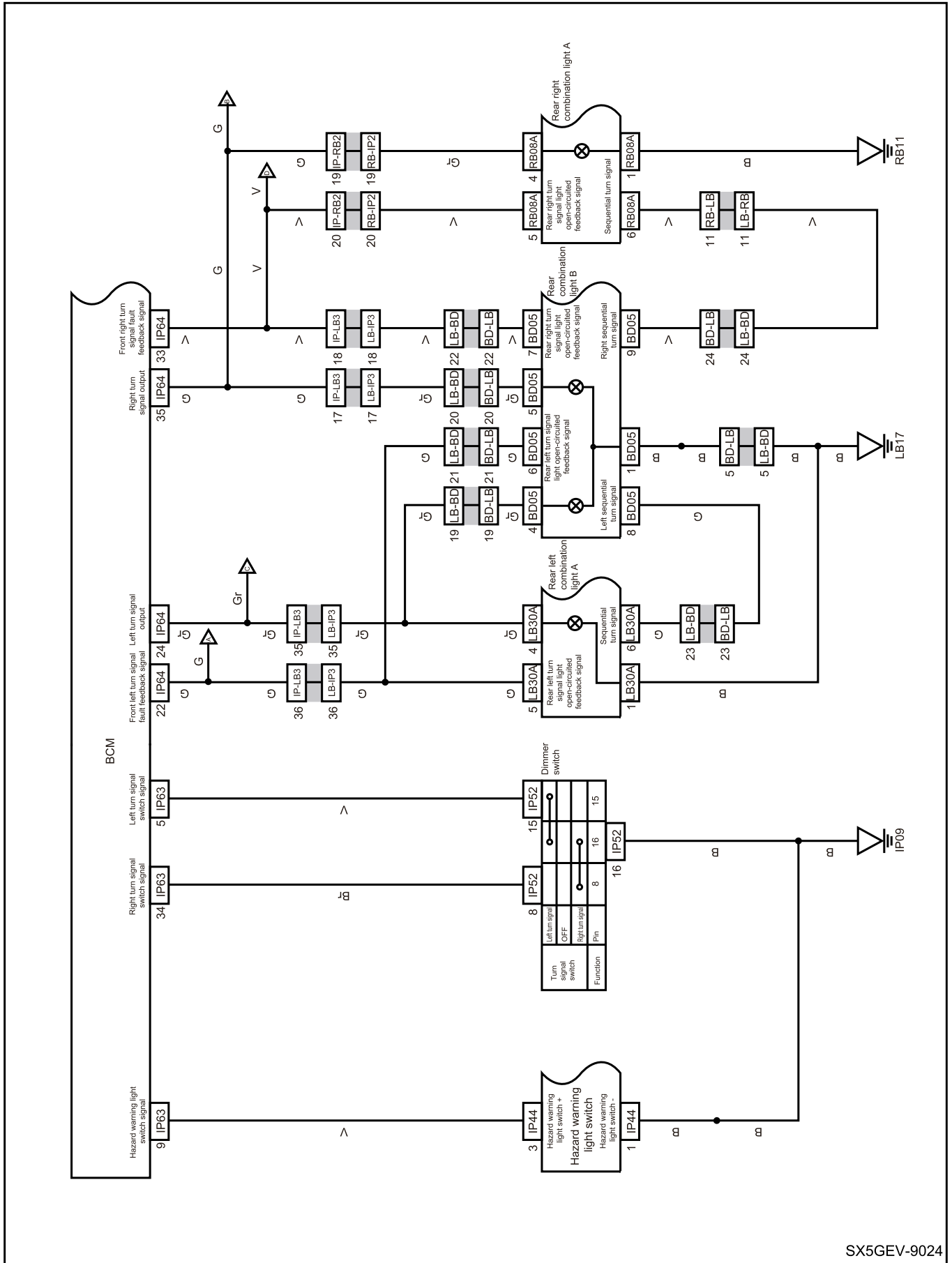
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Daytime Running Light – Overall Diagram



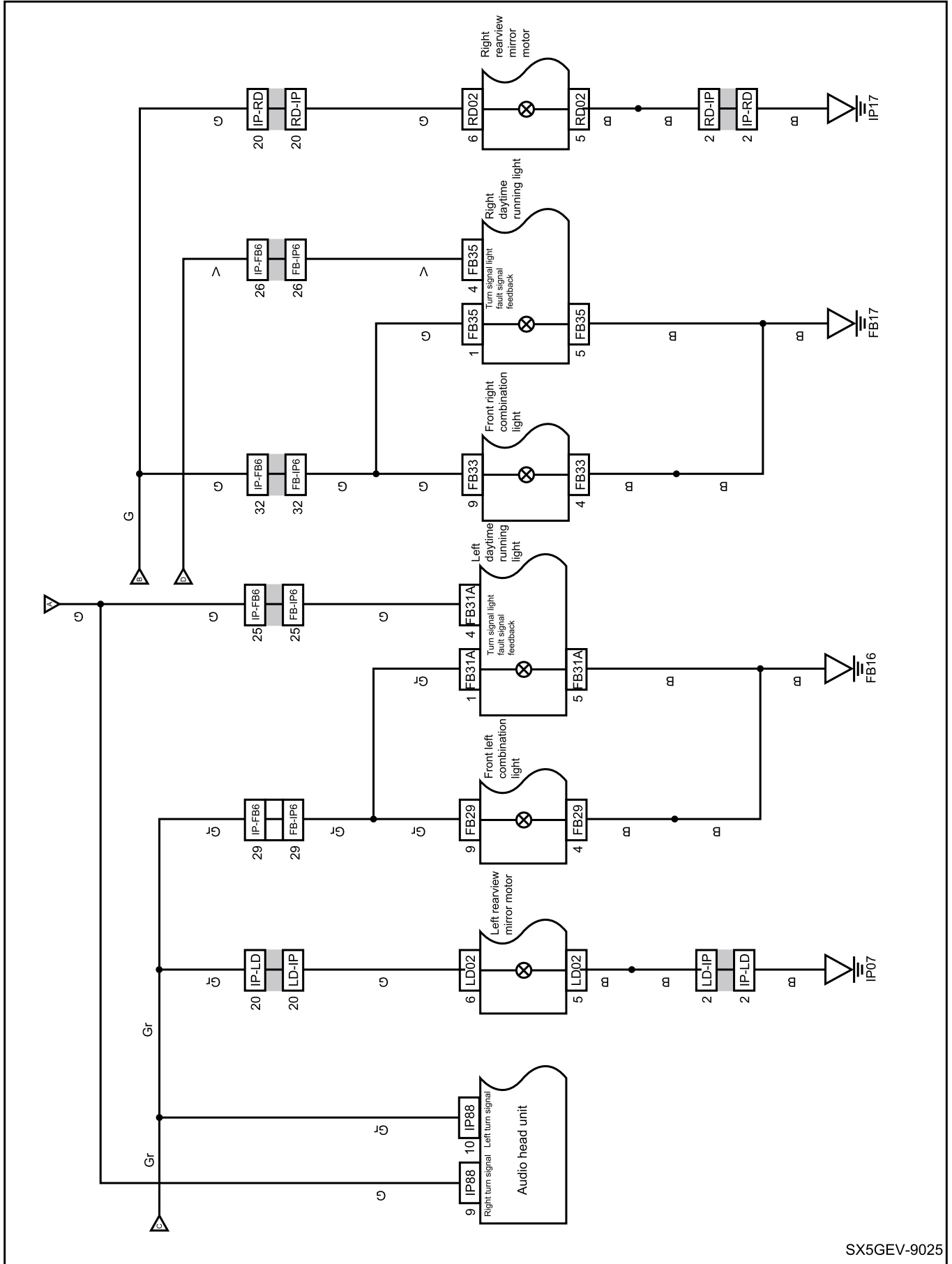
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Turn Signal Light and Hazard Warning Light 1 – Overall Diagram



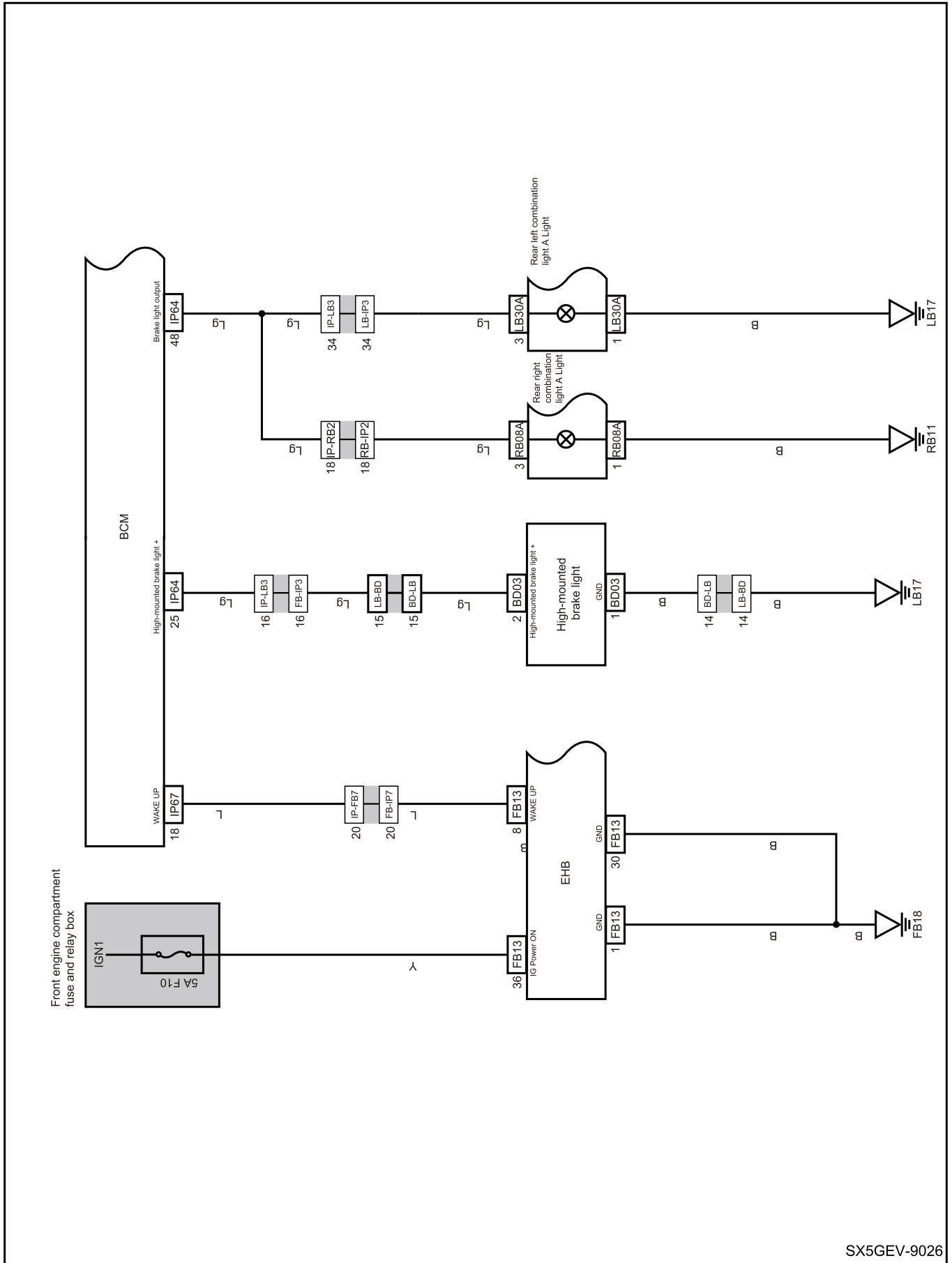
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Turn Signal Light and Hazard Warning Light 2 – Overall Diagram



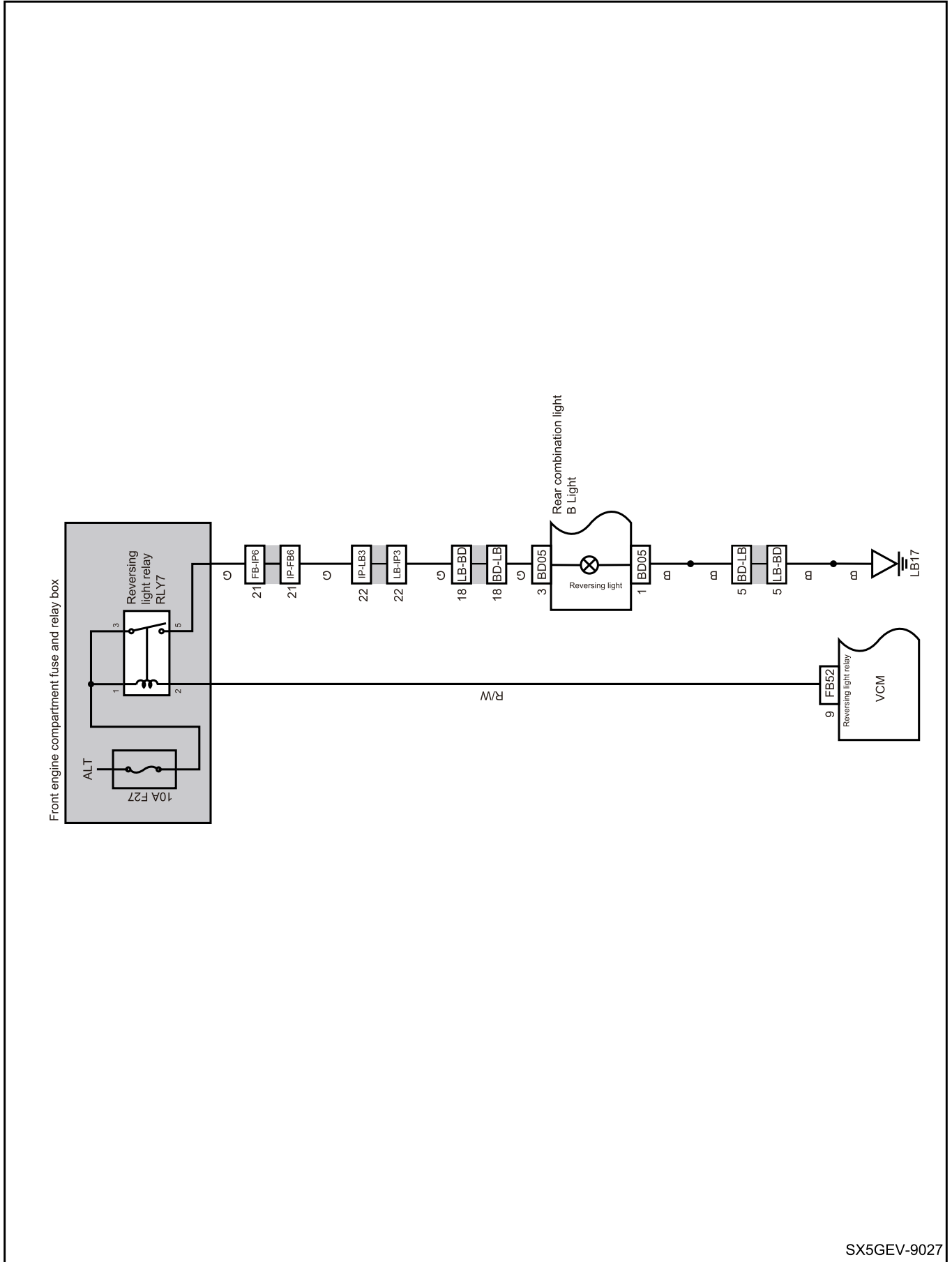
SX5GEV-9025

Brake Light 1 - Overall Diagram



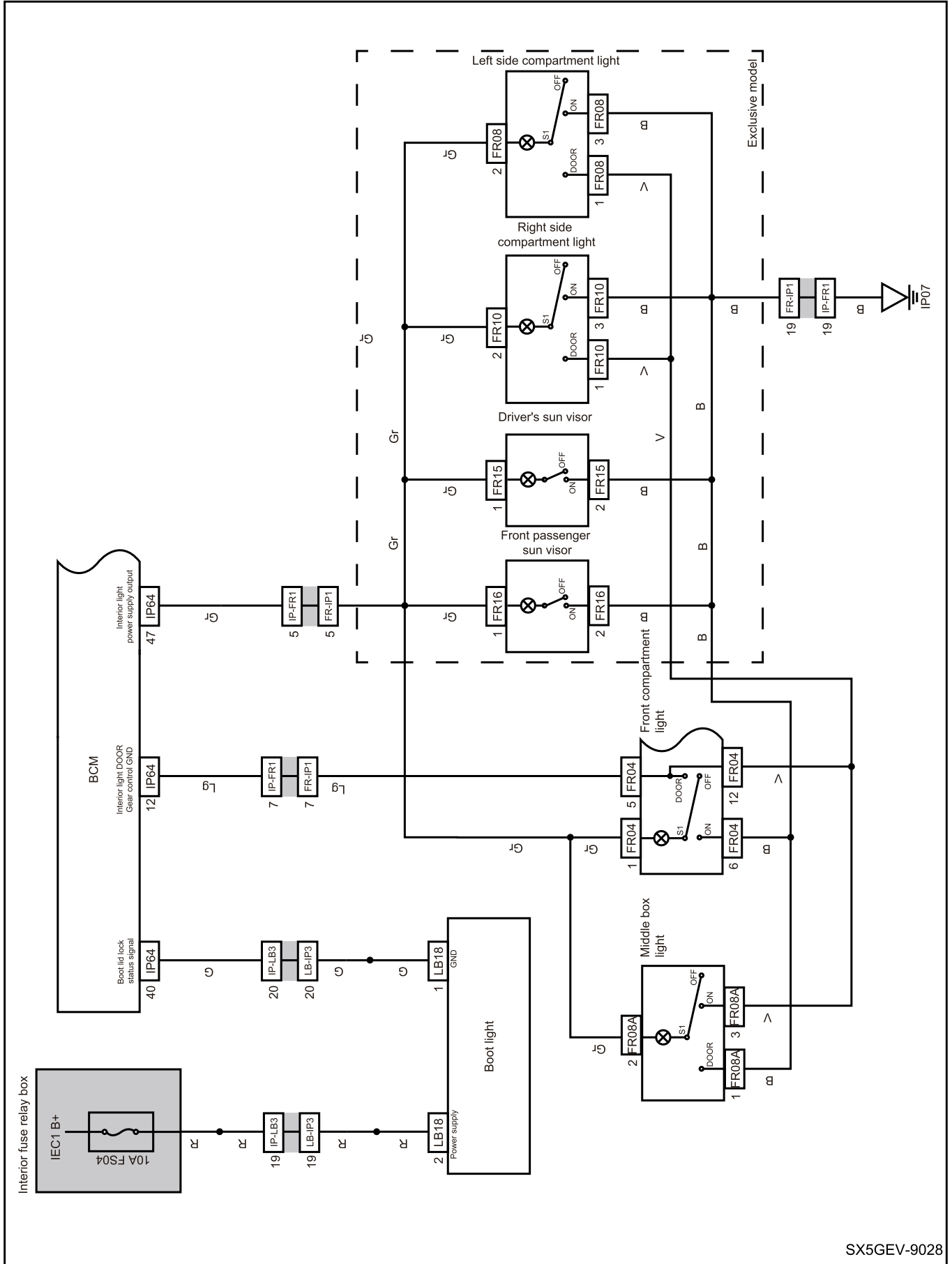
SX5GEV-9026

Reversing Light – Overall Diagram



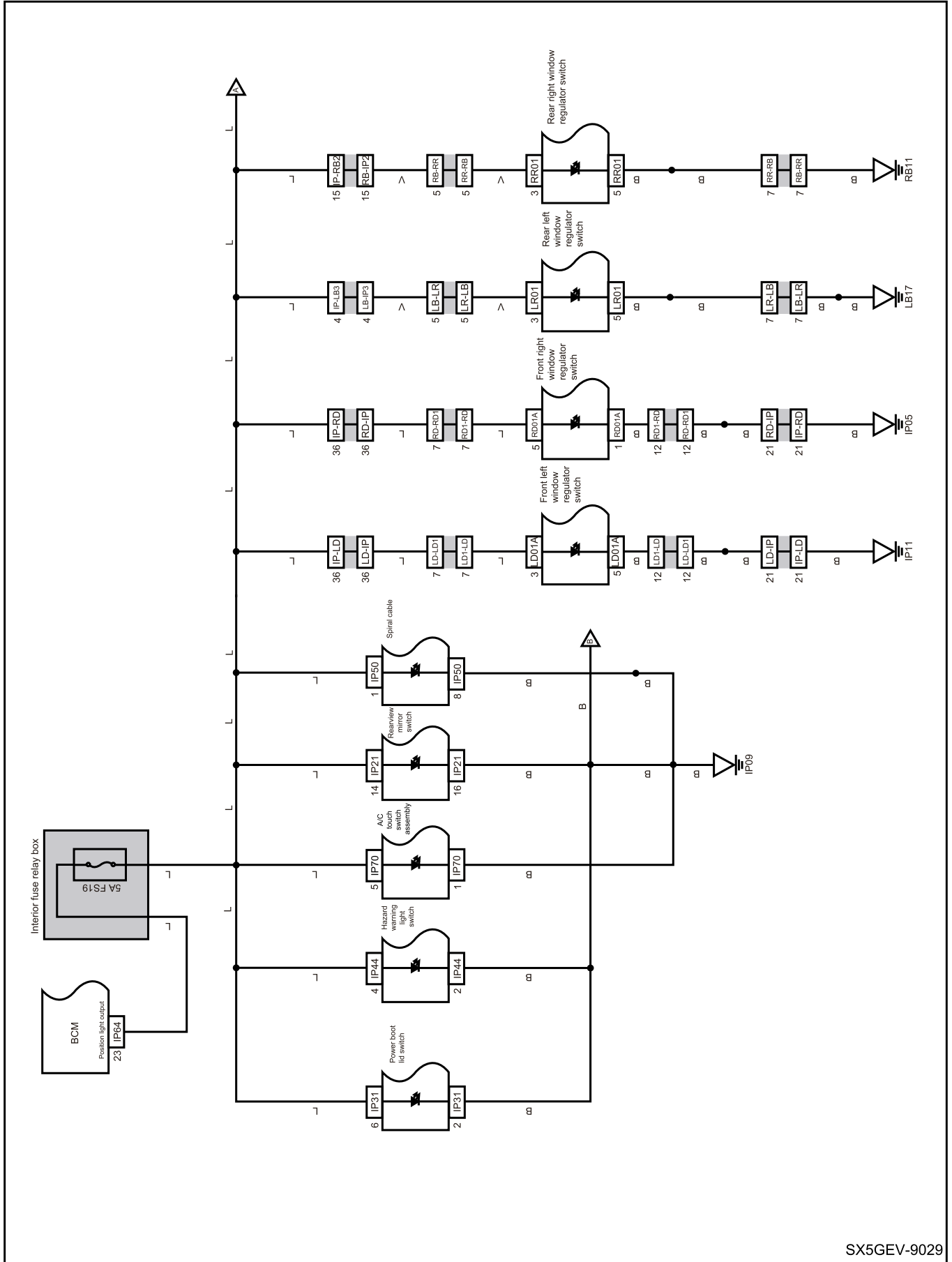
SX5GEV-9027

Interior Light - Overall Diagram



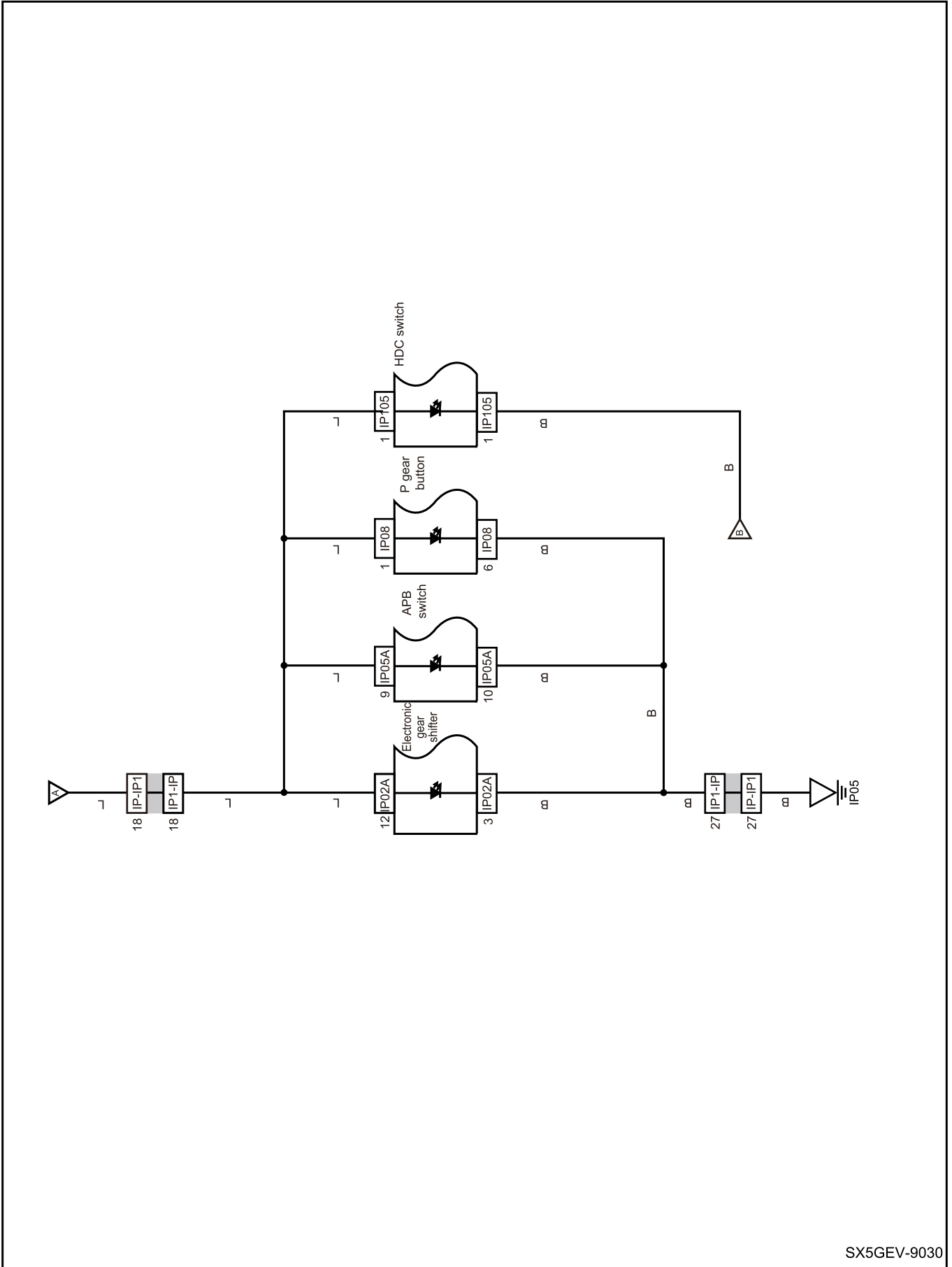
SX5GEV-9028

Backlight 1 – Overall Diagram



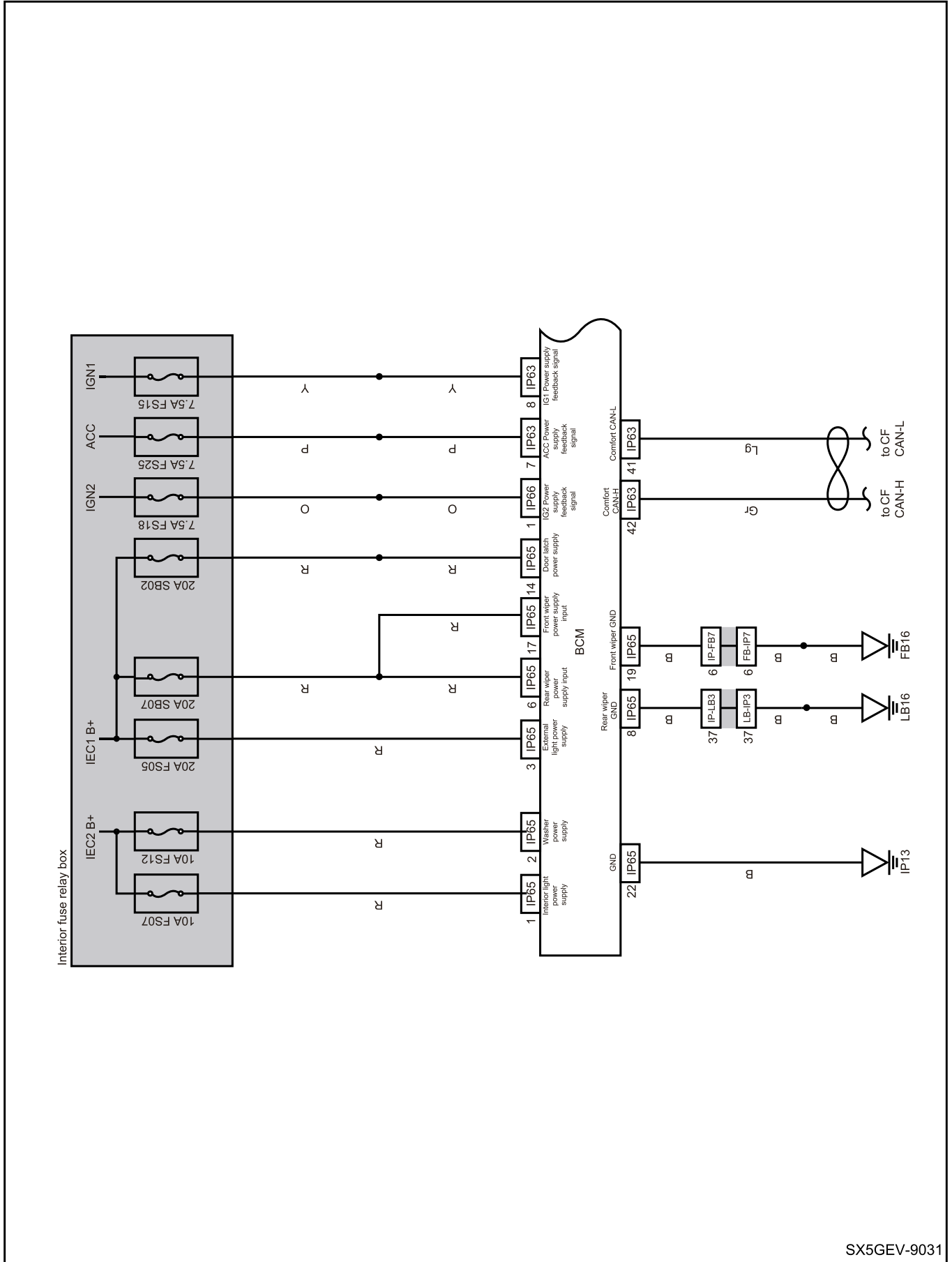
SX5GEV-9029

Backlight 2 – Overall Diagram



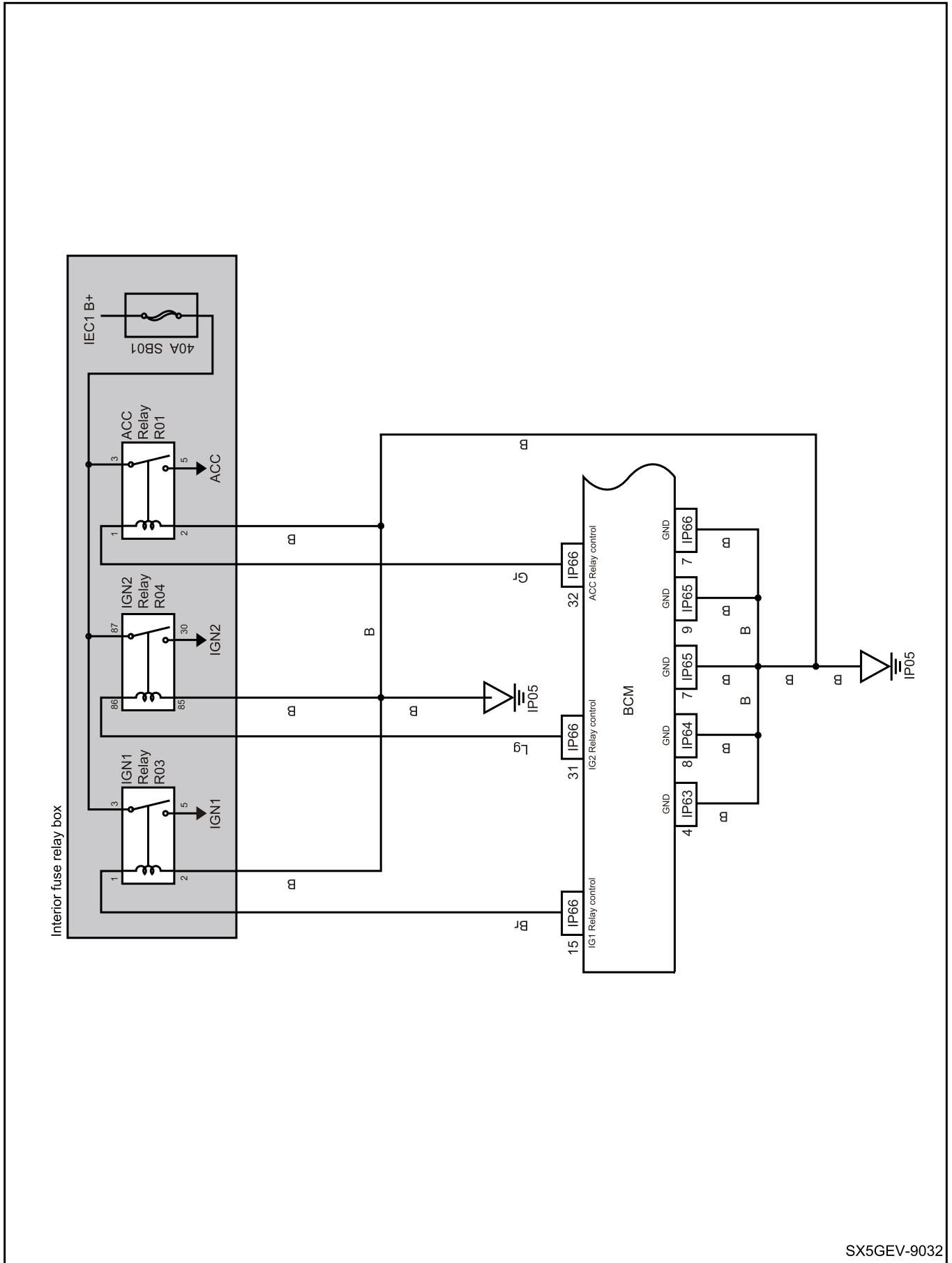
SX5GEV-9030

BCM1 - Overall Diagram



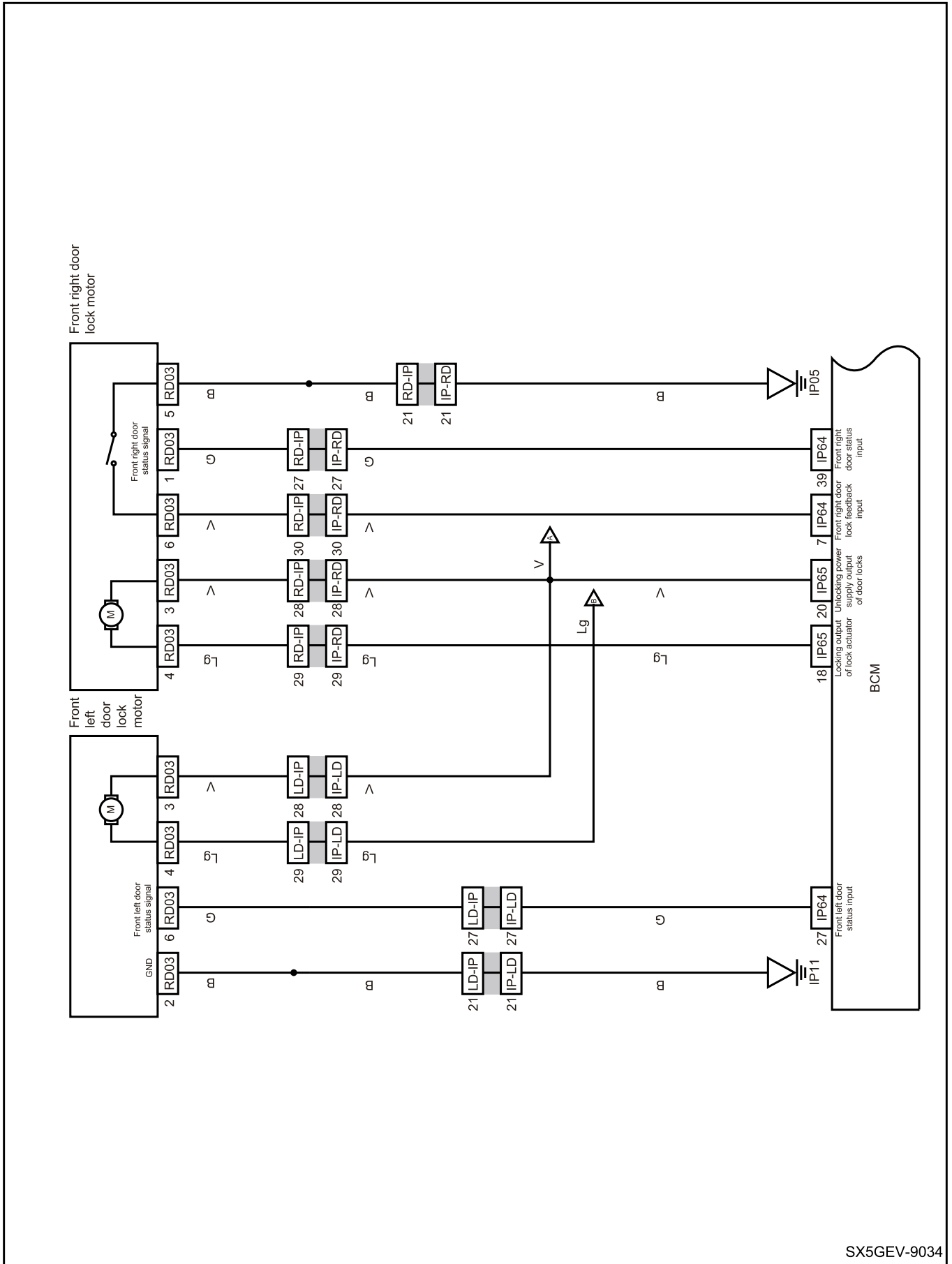
SX5GEV-9031

BCM2 - Overall Diagram



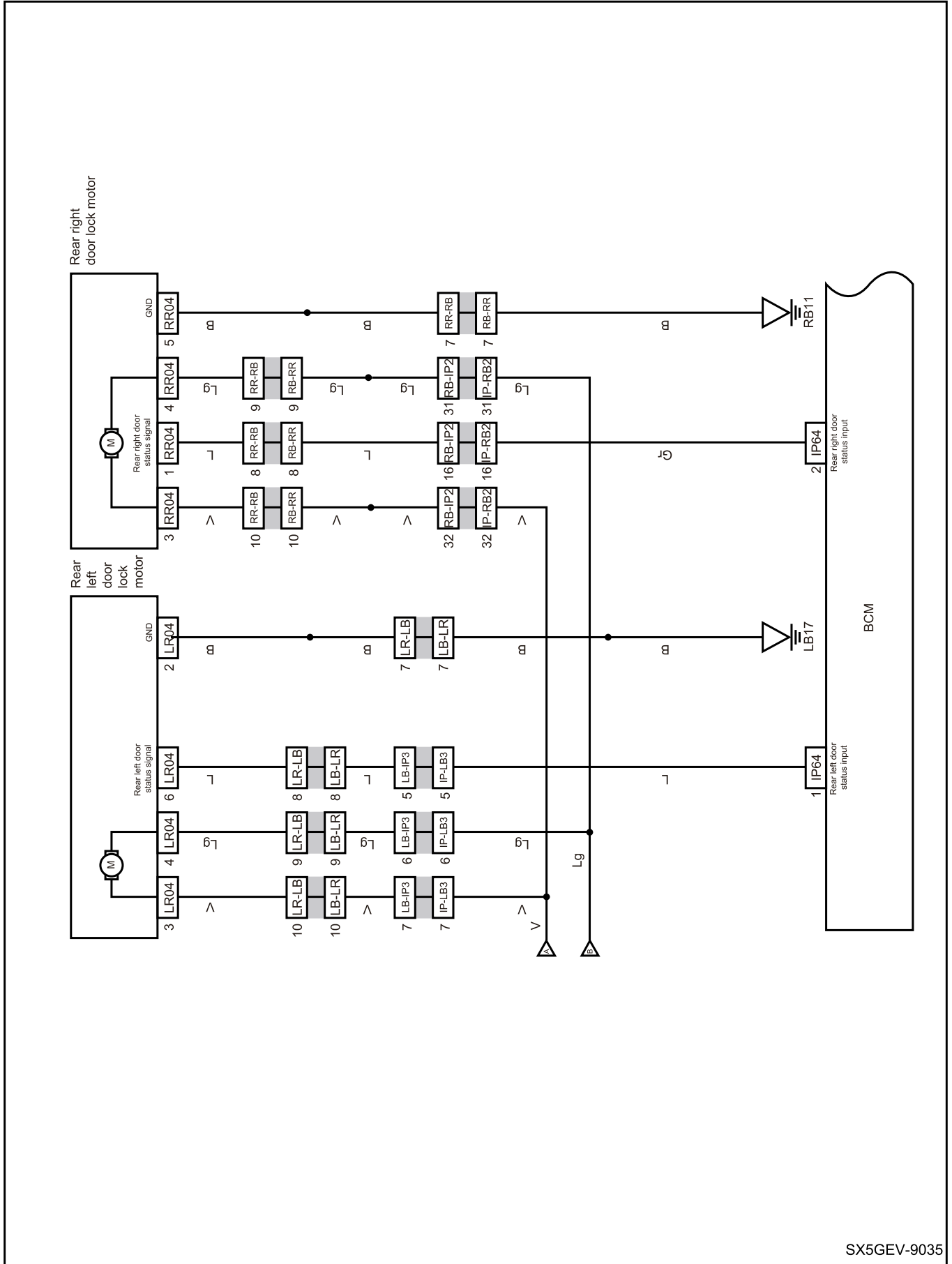
SX5GEV-9032

Central Door Lock 1 – Overall Diagram

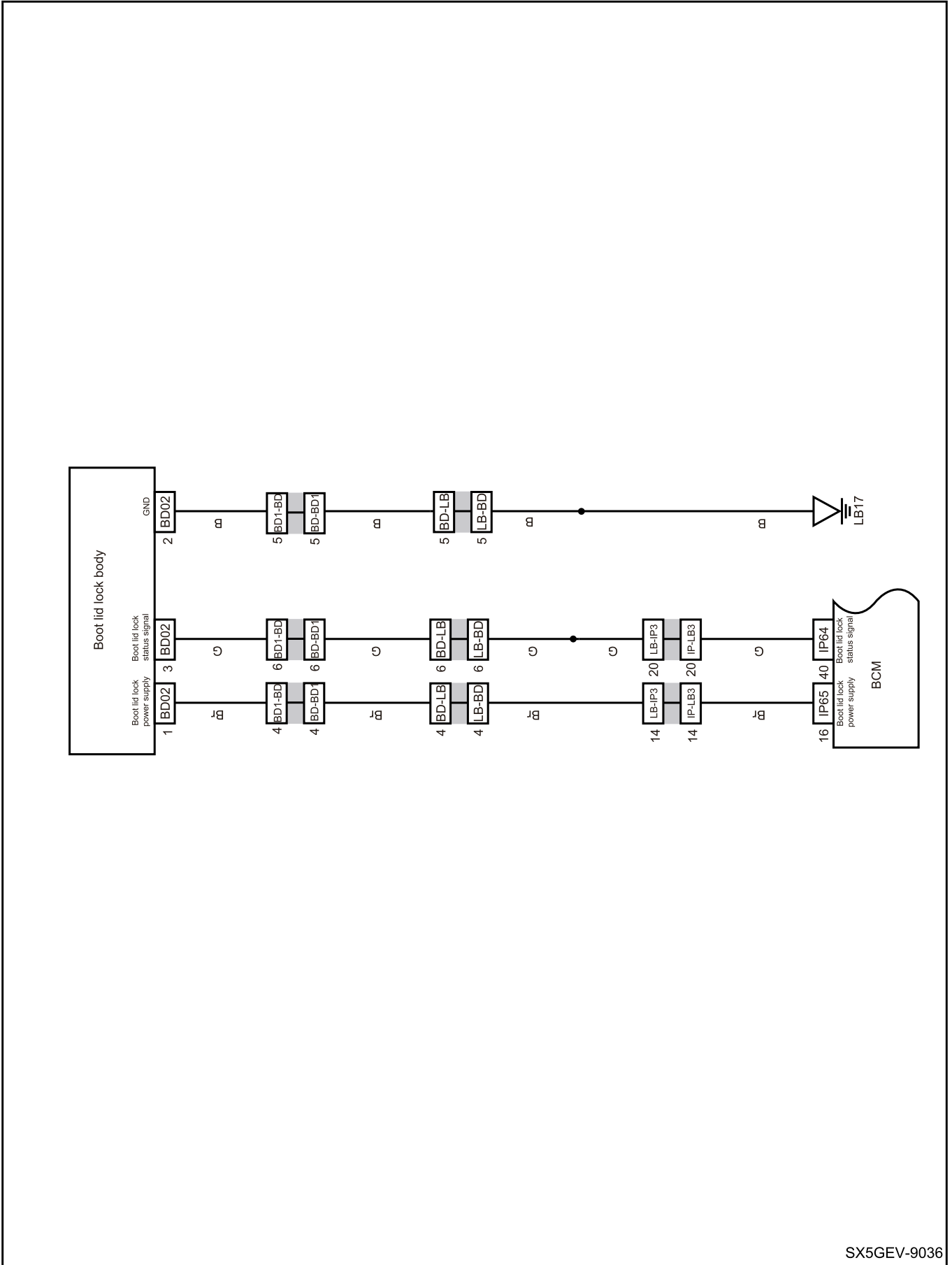


SX5GEV-9034

Central Door Lock 2 – Overall Diagram

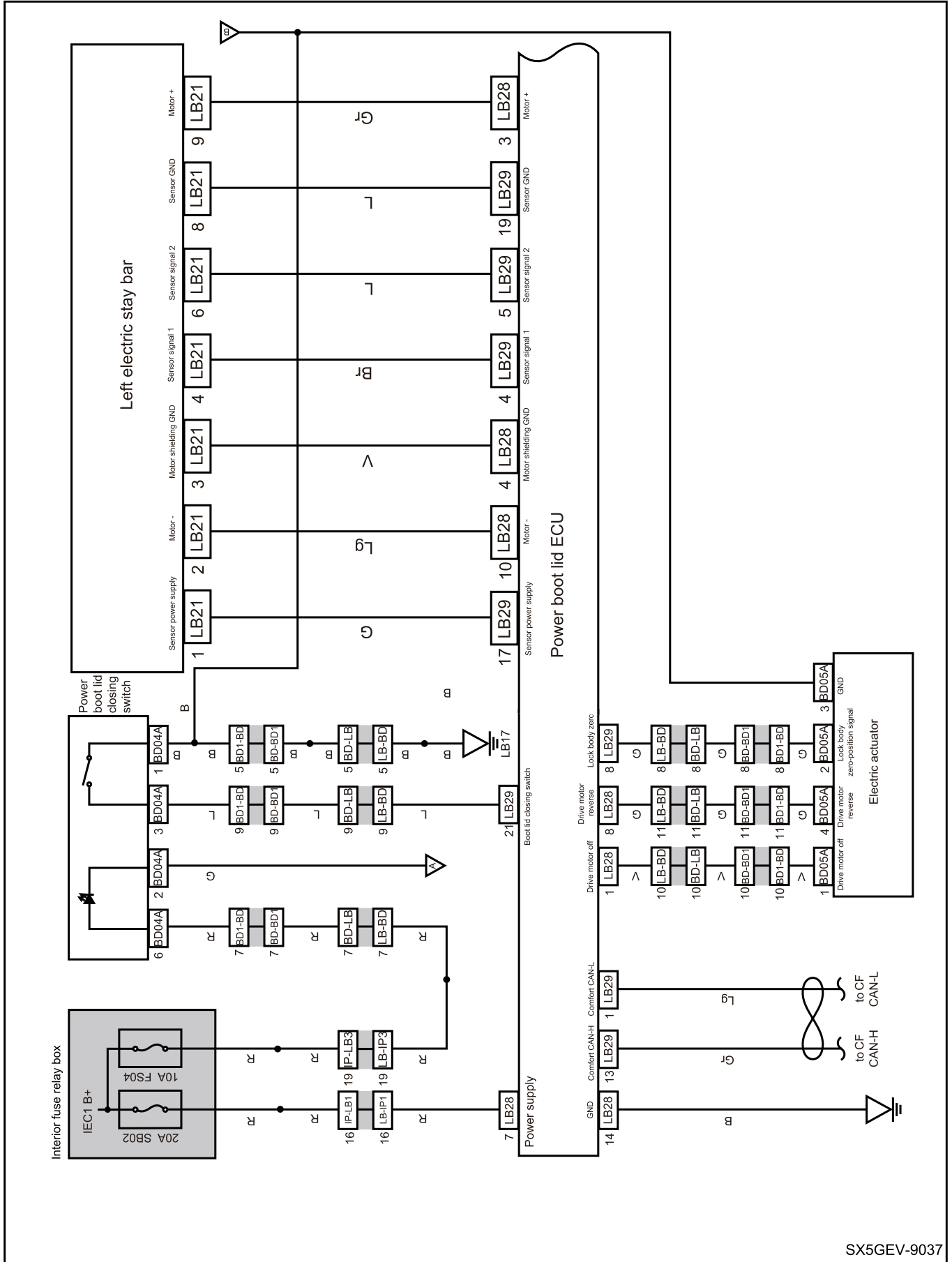


Boot Lid Lock (luxury model) - Overall Diagram



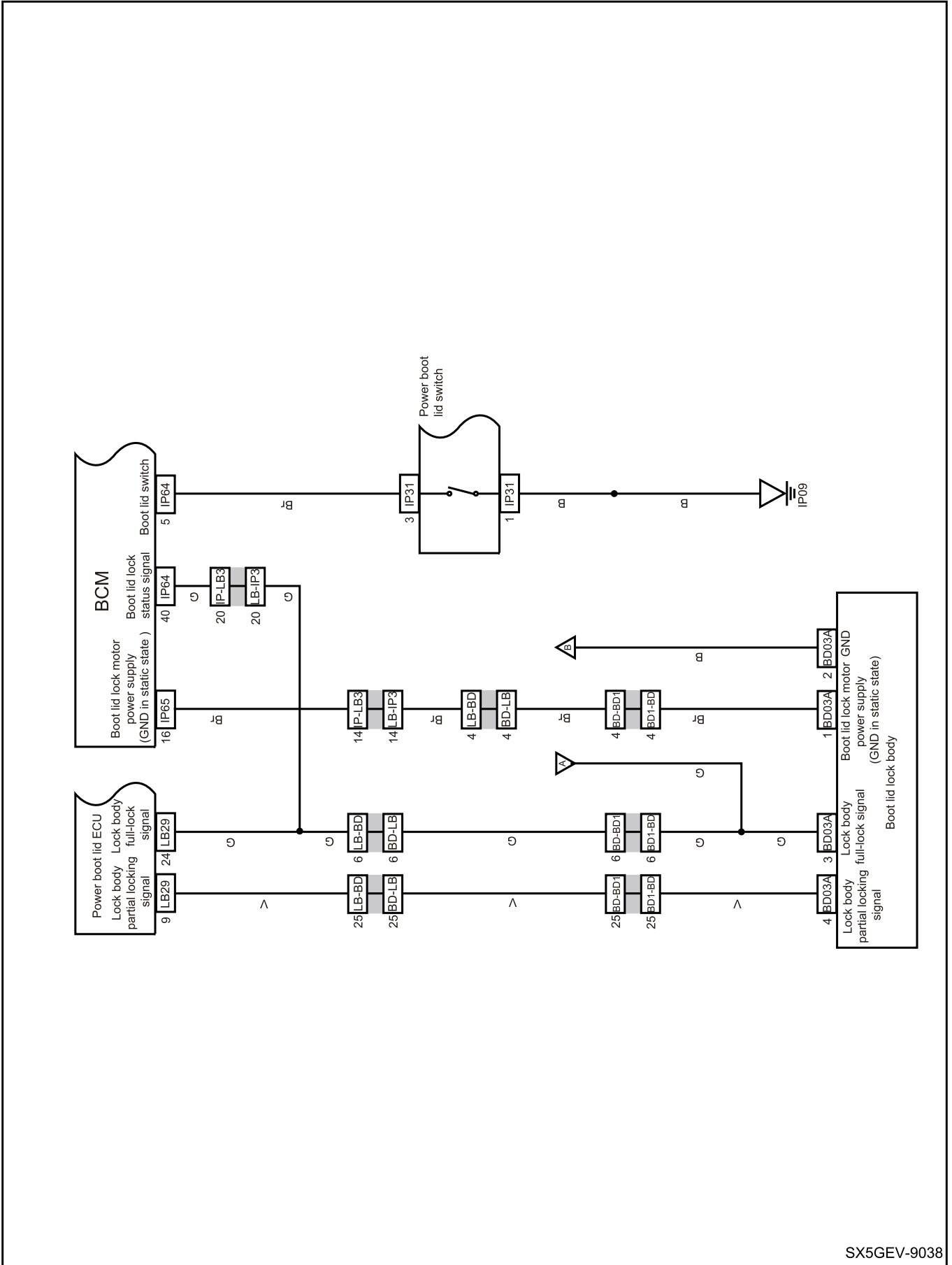
SX5GEV-9036

Power Boot Lid 1 (Exclusive Model) - Overall Diagram



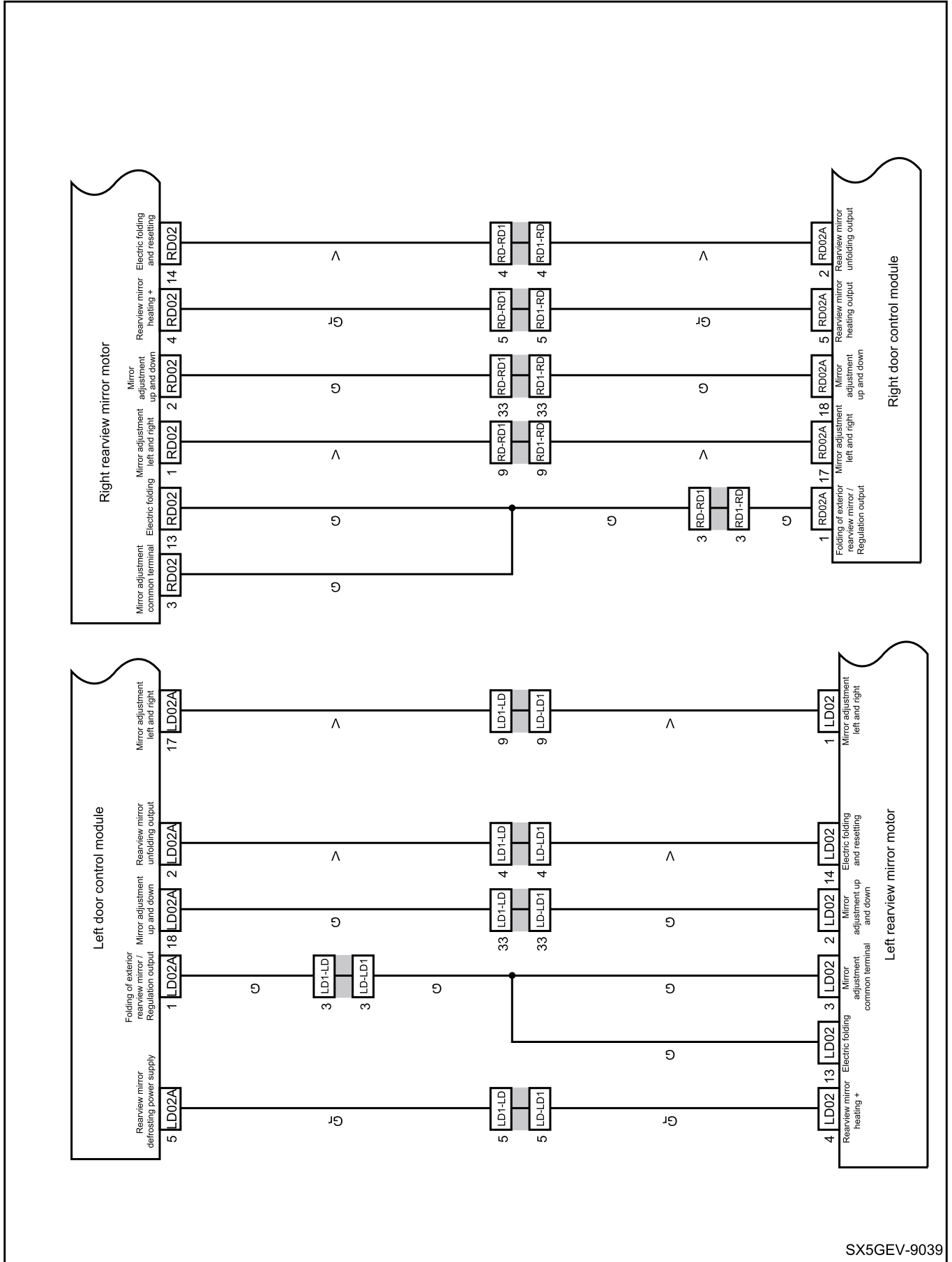
SX5GEV-9037

Power Boot Lid 2 (Exclusive Model) - Overall Diagram



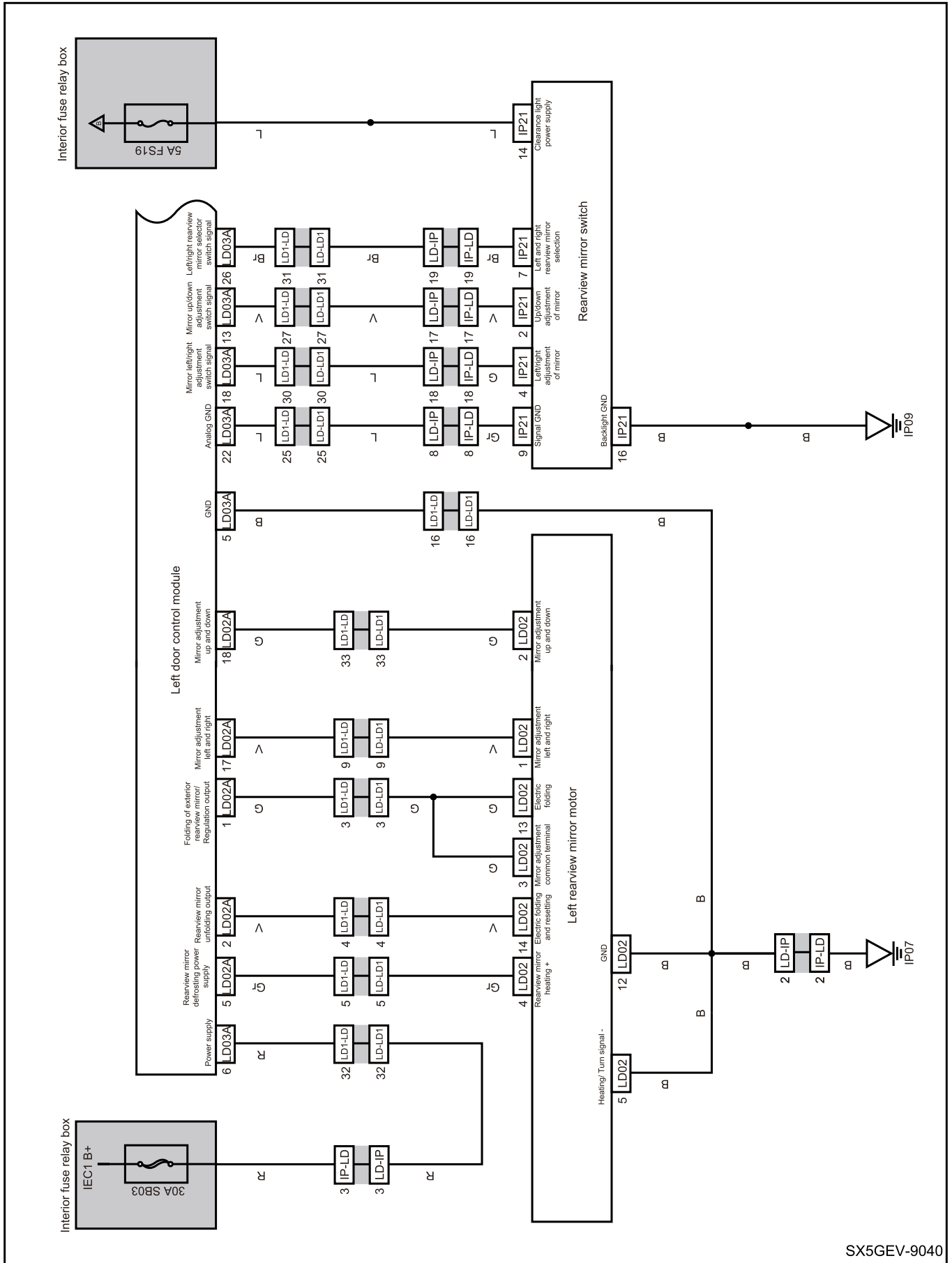
SX5GEV-9038

Rearview Mirror Control System 1 - Overall Diagram



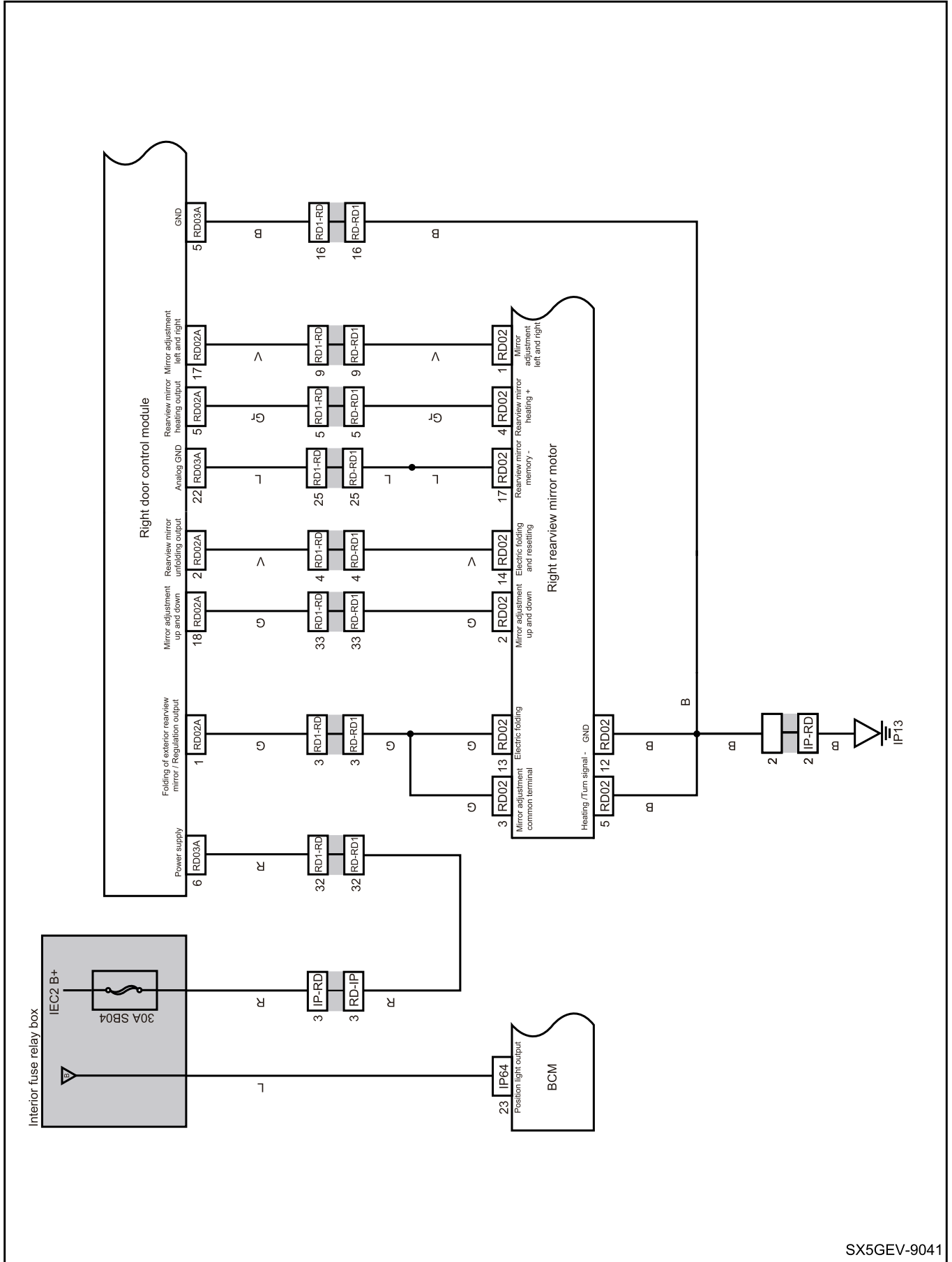
SX5GEV-9039

Electric Exterior Rearview Mirror 1 – Overall Diagram



SX5GEV-9040

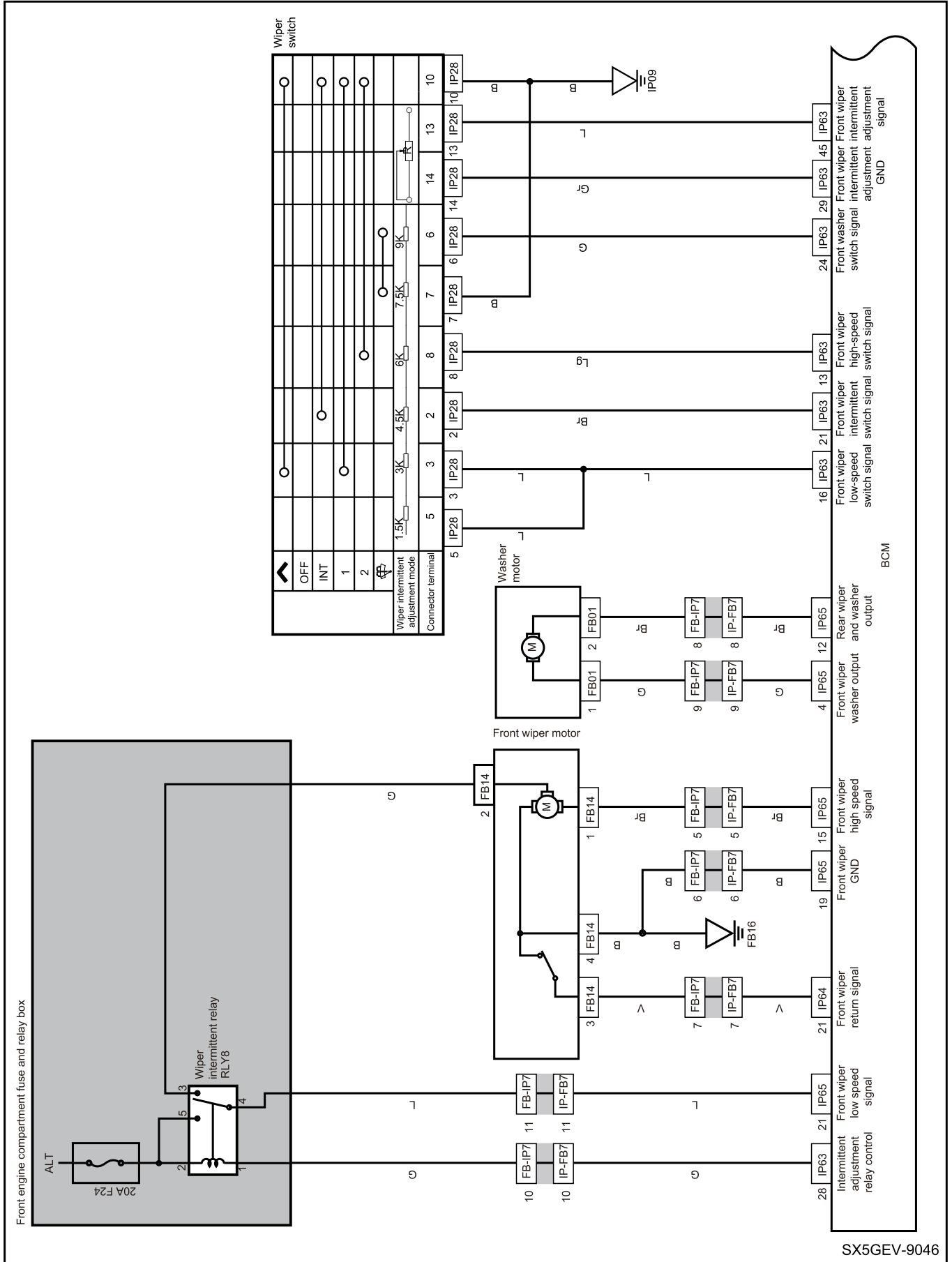
Electric Exterior Rearview Mirror 2 – Overall Diagram



SX5GEV-9041

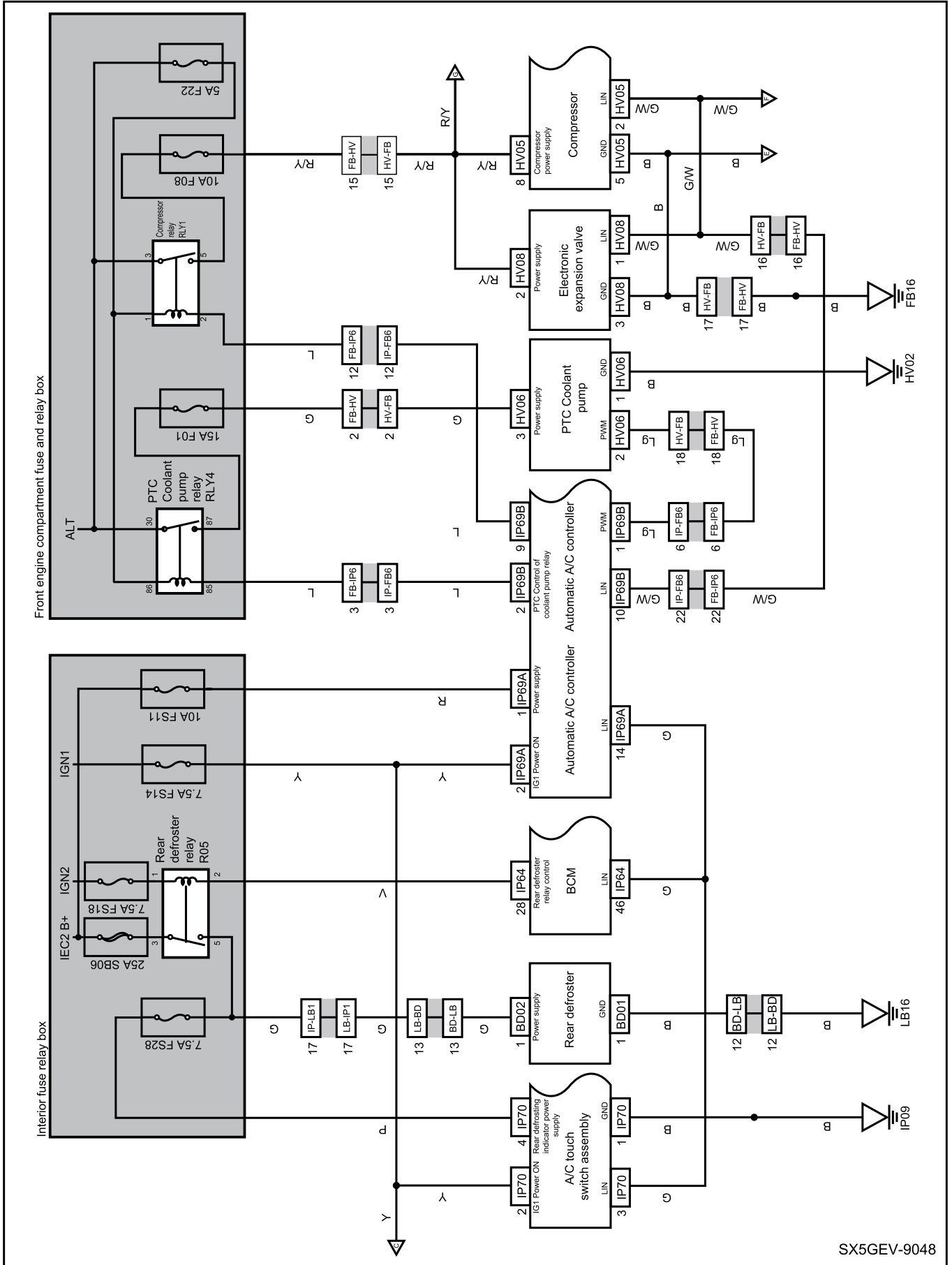
13.9.12 Windscreen wiper and washing control system

Front Wiper and Washer System – Overall Diagram

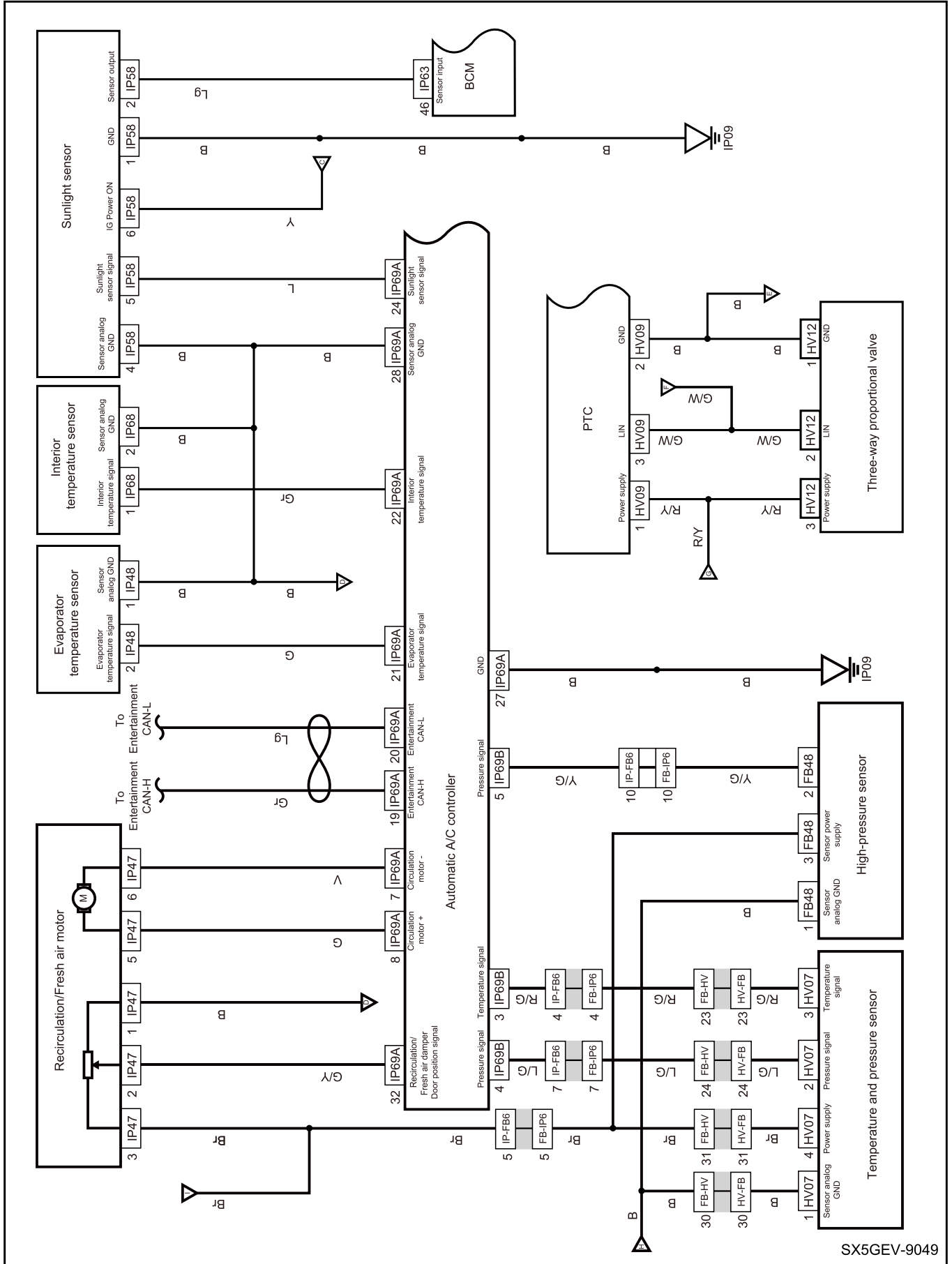


SX5GEV-9046

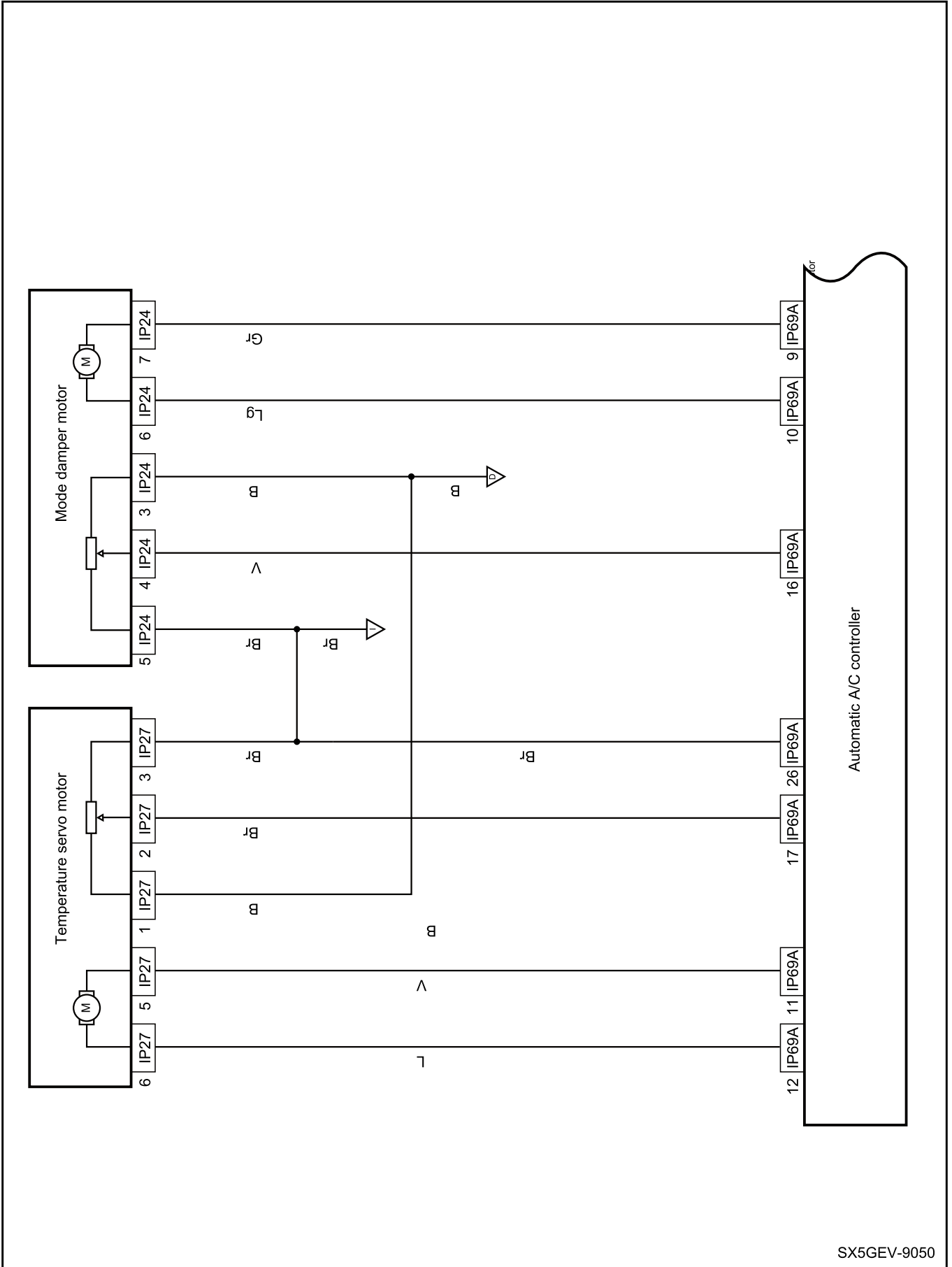
Automatic A/C 1-Overall Drawing



Automatic A/C 2 - Overall Diagram

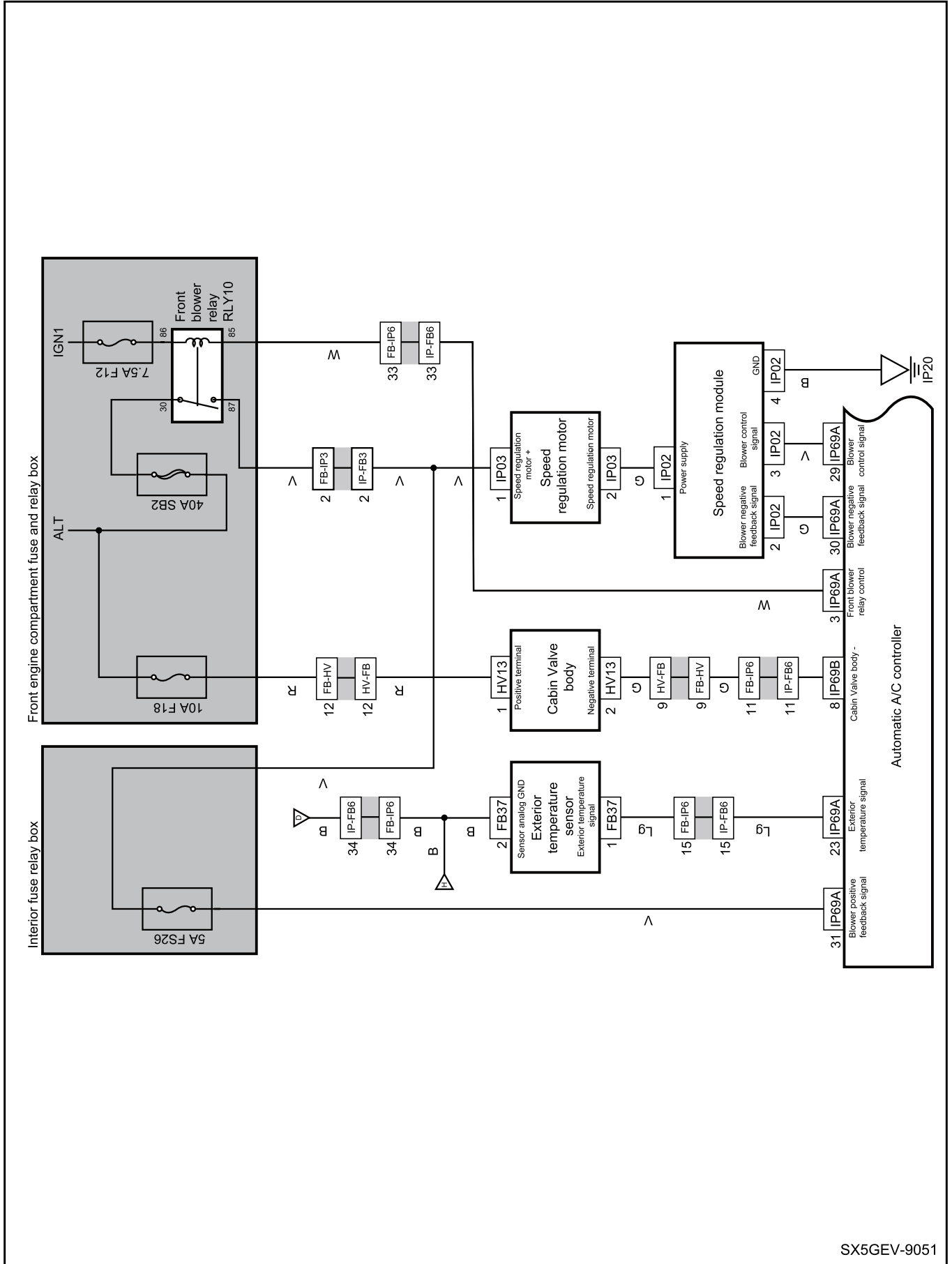


Automatic A/C 3 - Overall Diagram



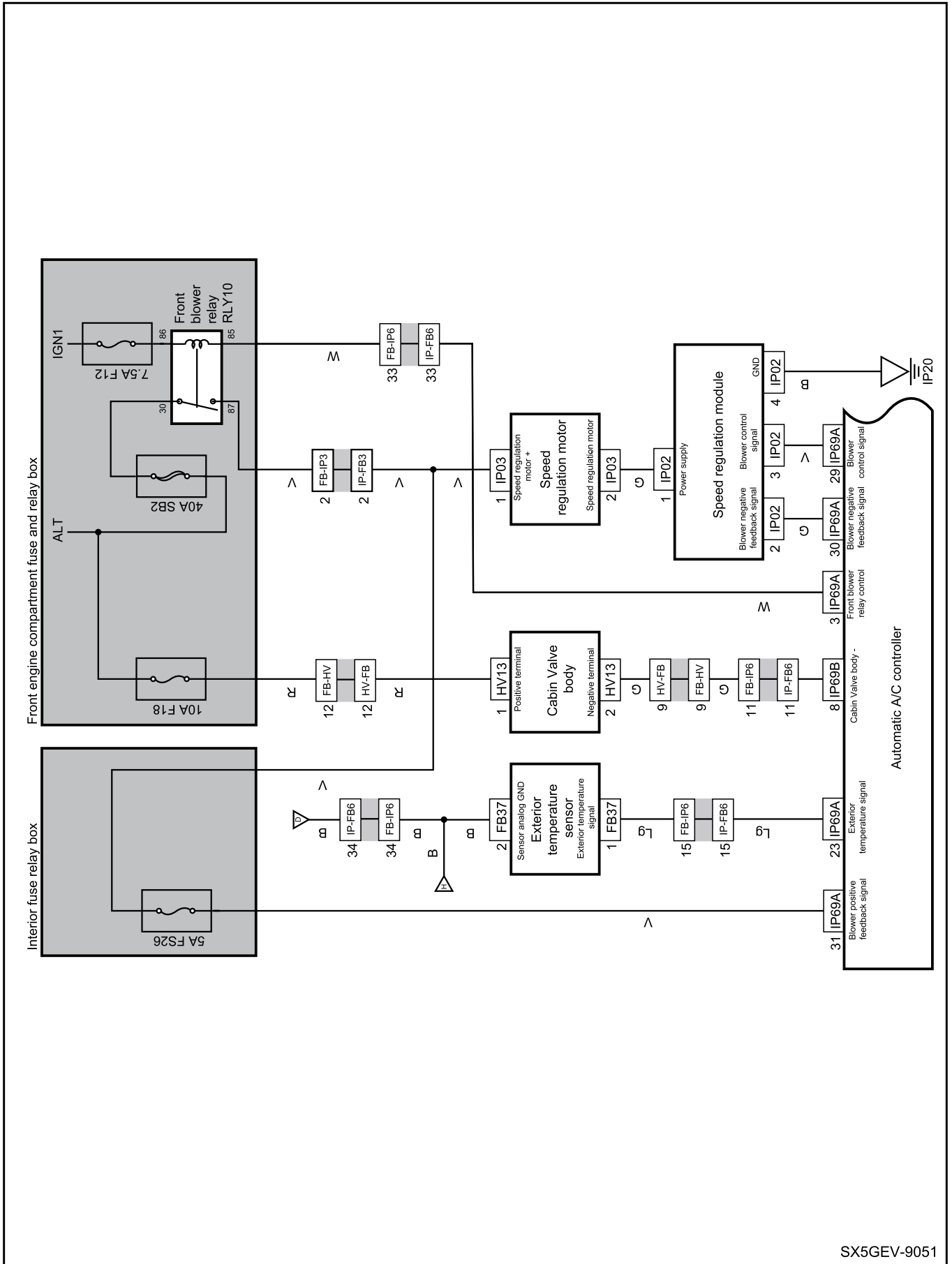
SX5GEV-9050

Automatic A/C 4 - Overall Diagram



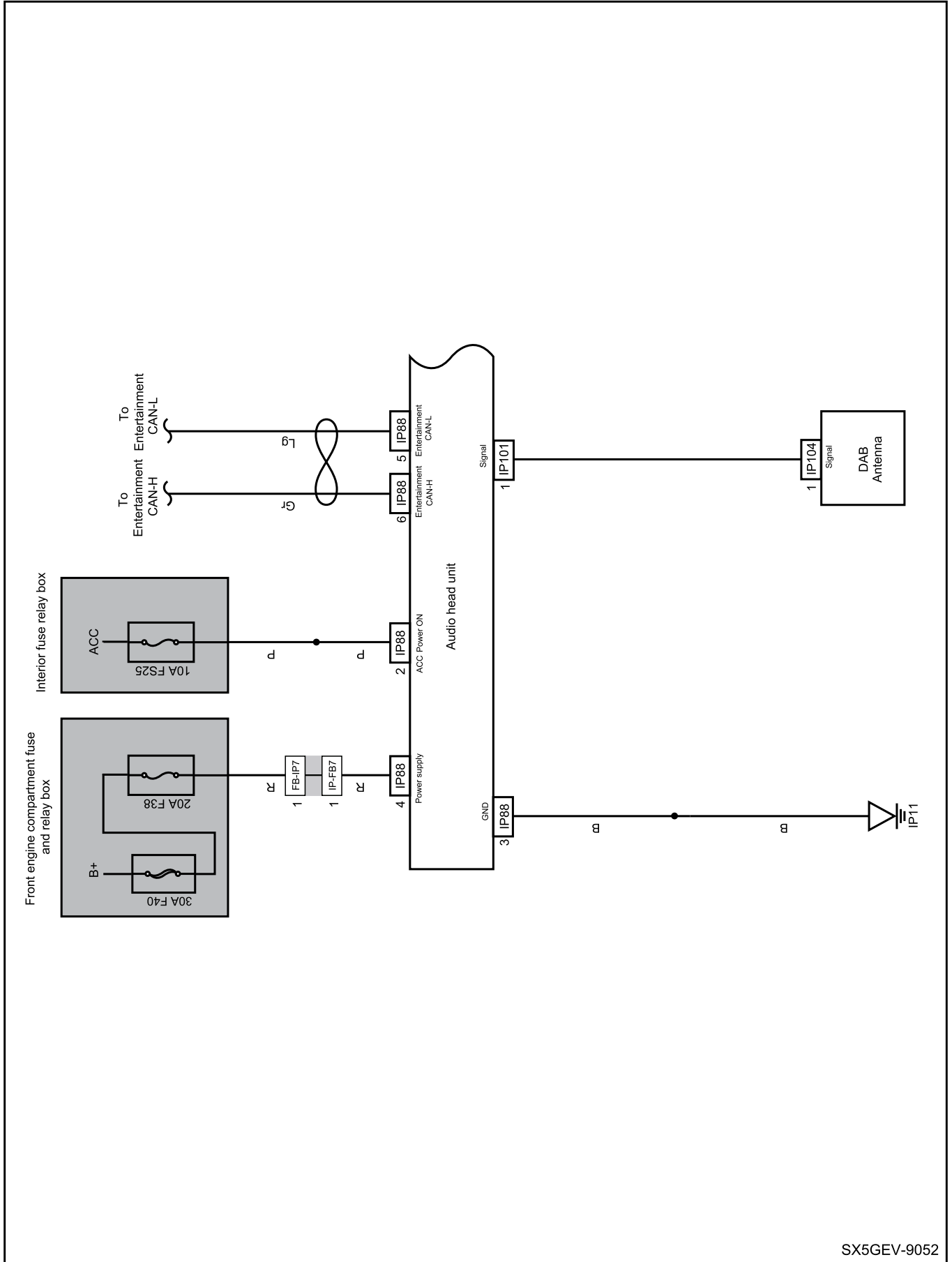
SX5GEV-9051

Automatic A/C 4 - Overall Diagram



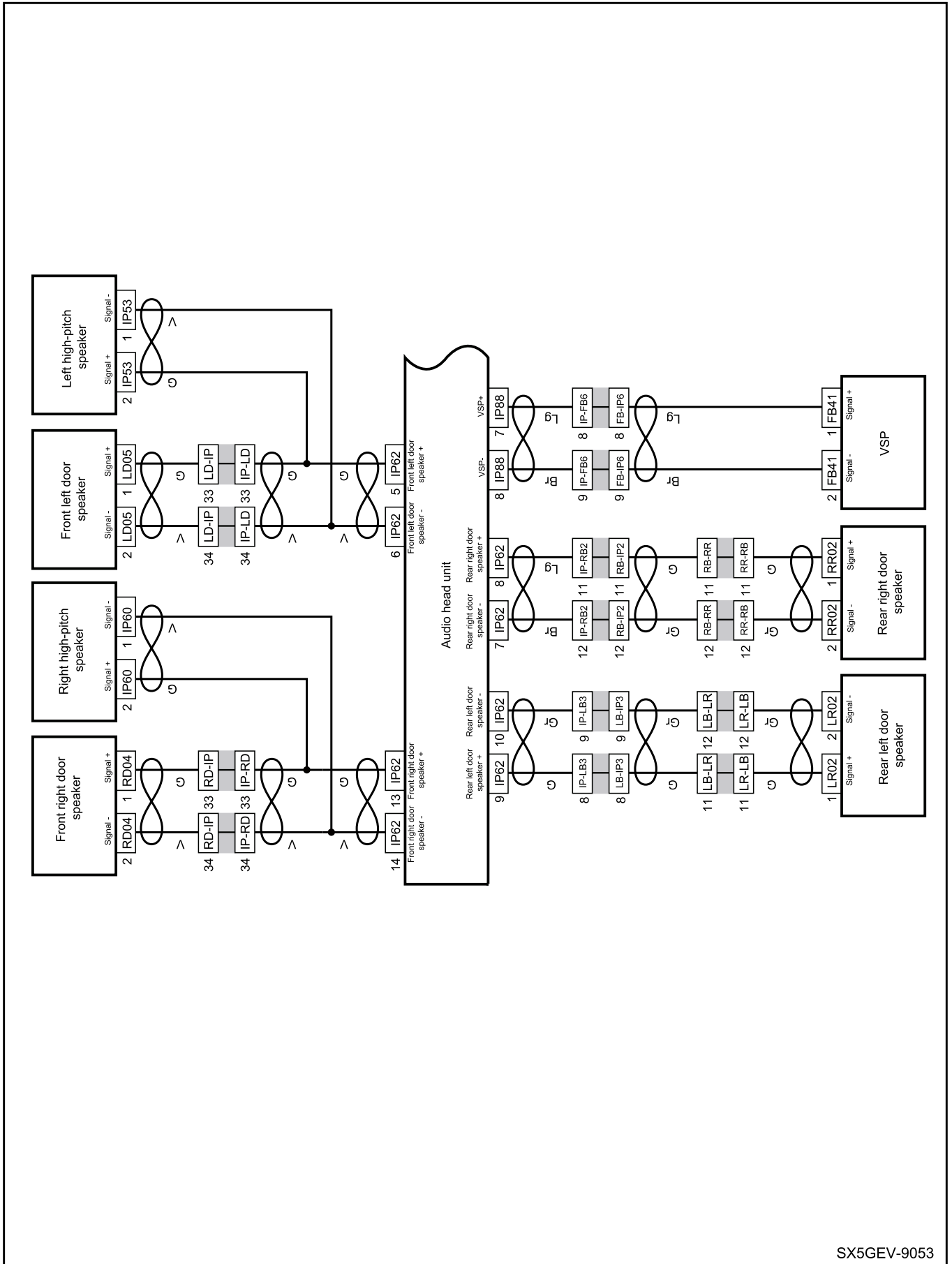
SX5GEV-9051

Power Supply, GND and Data of Audio Head Unit - Overall Diagram



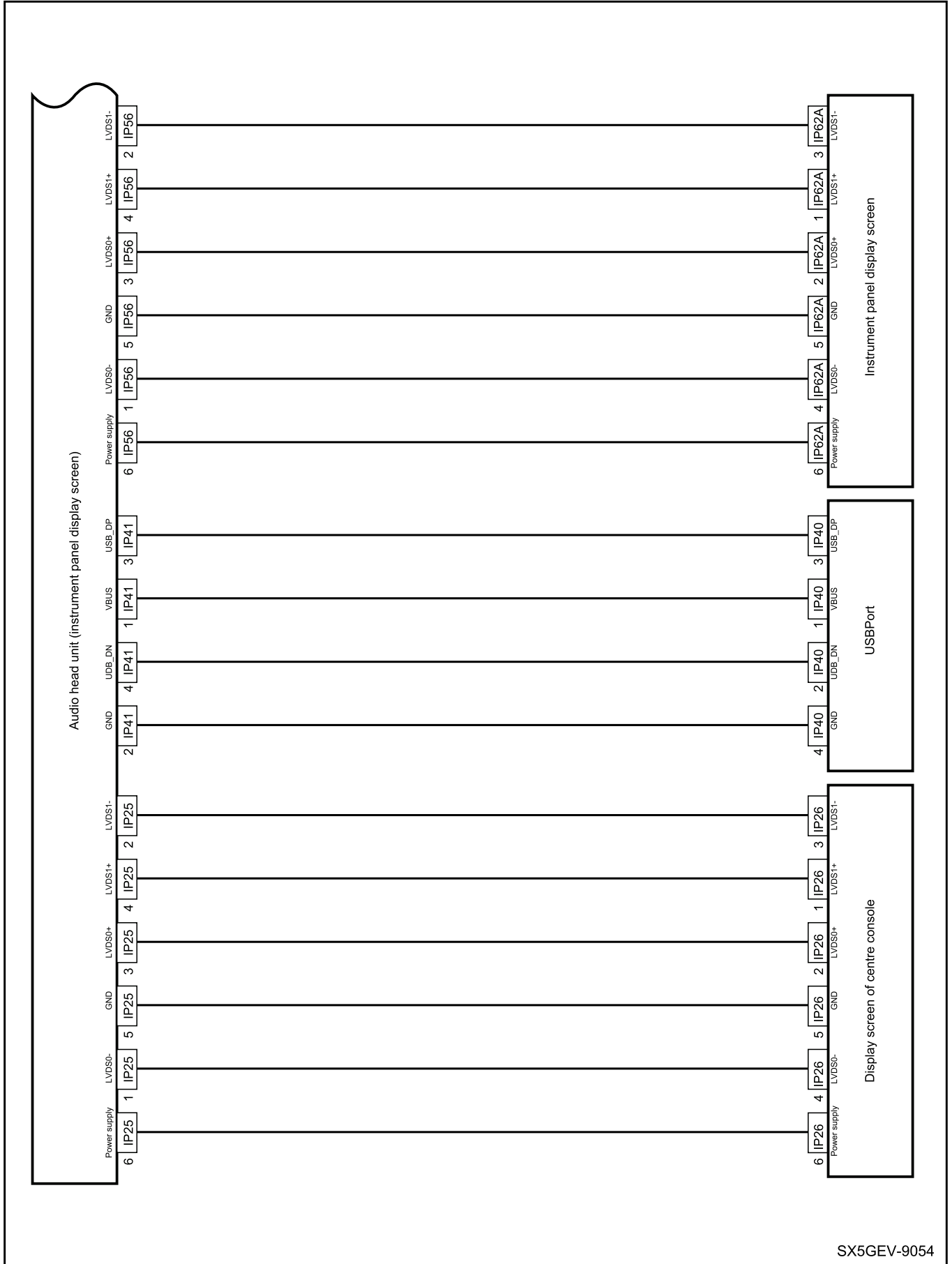
SX5GEV-9052

Audio Speaker 1 – Overall Diagram

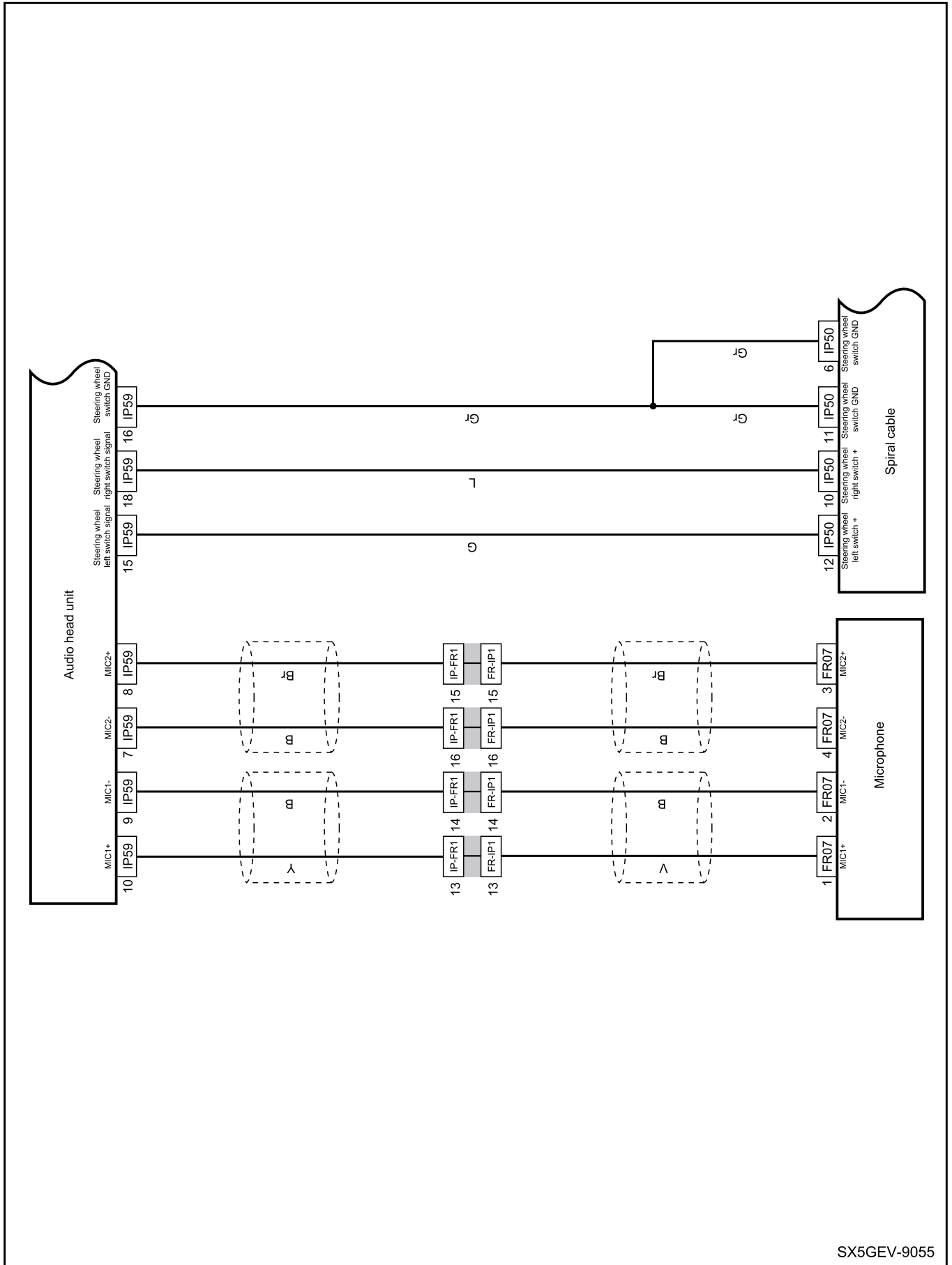


SX5GEV-9053

Audio Speaker 2 – Overall Diagram

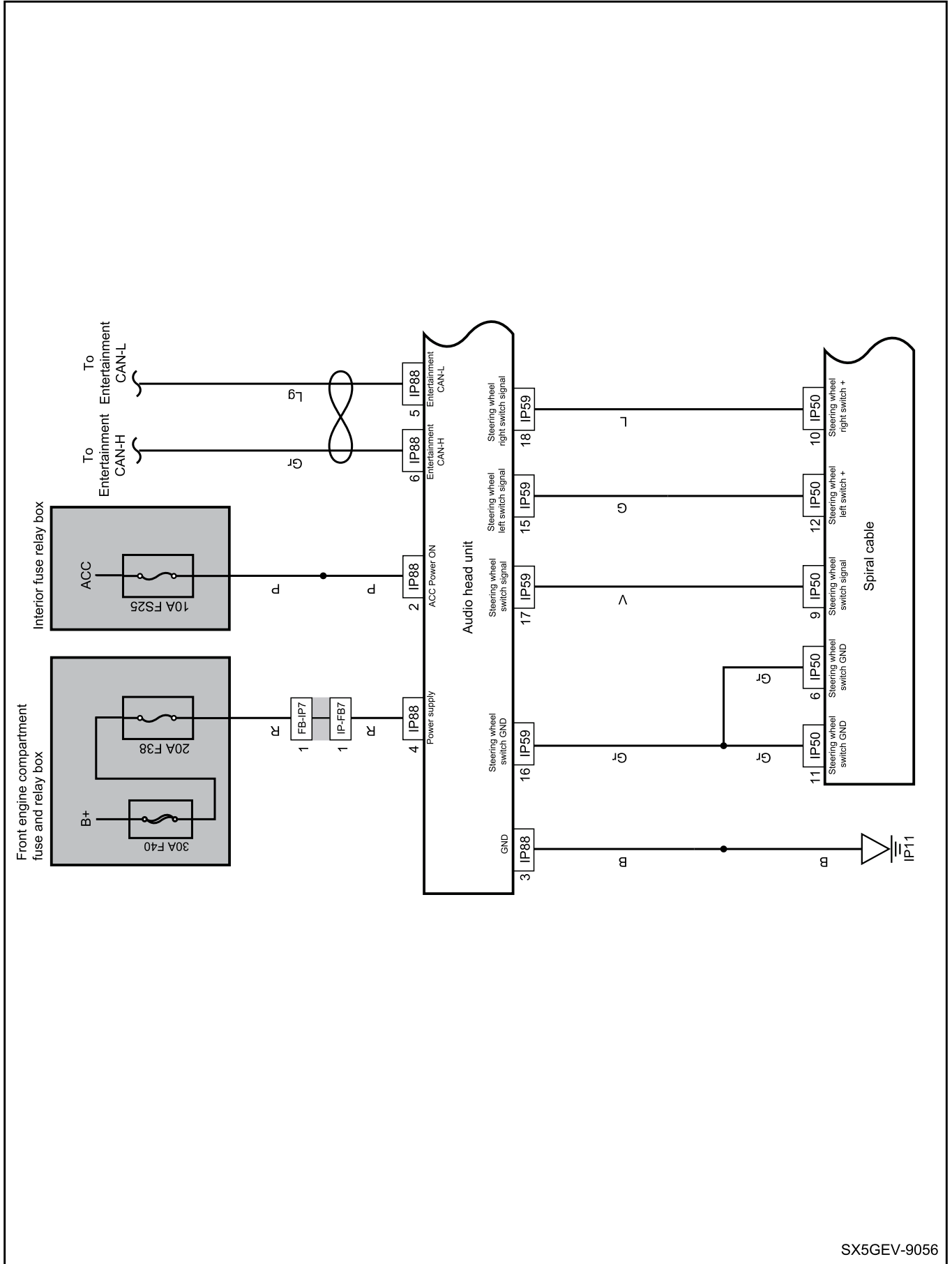


Microphone – Overall Diagram



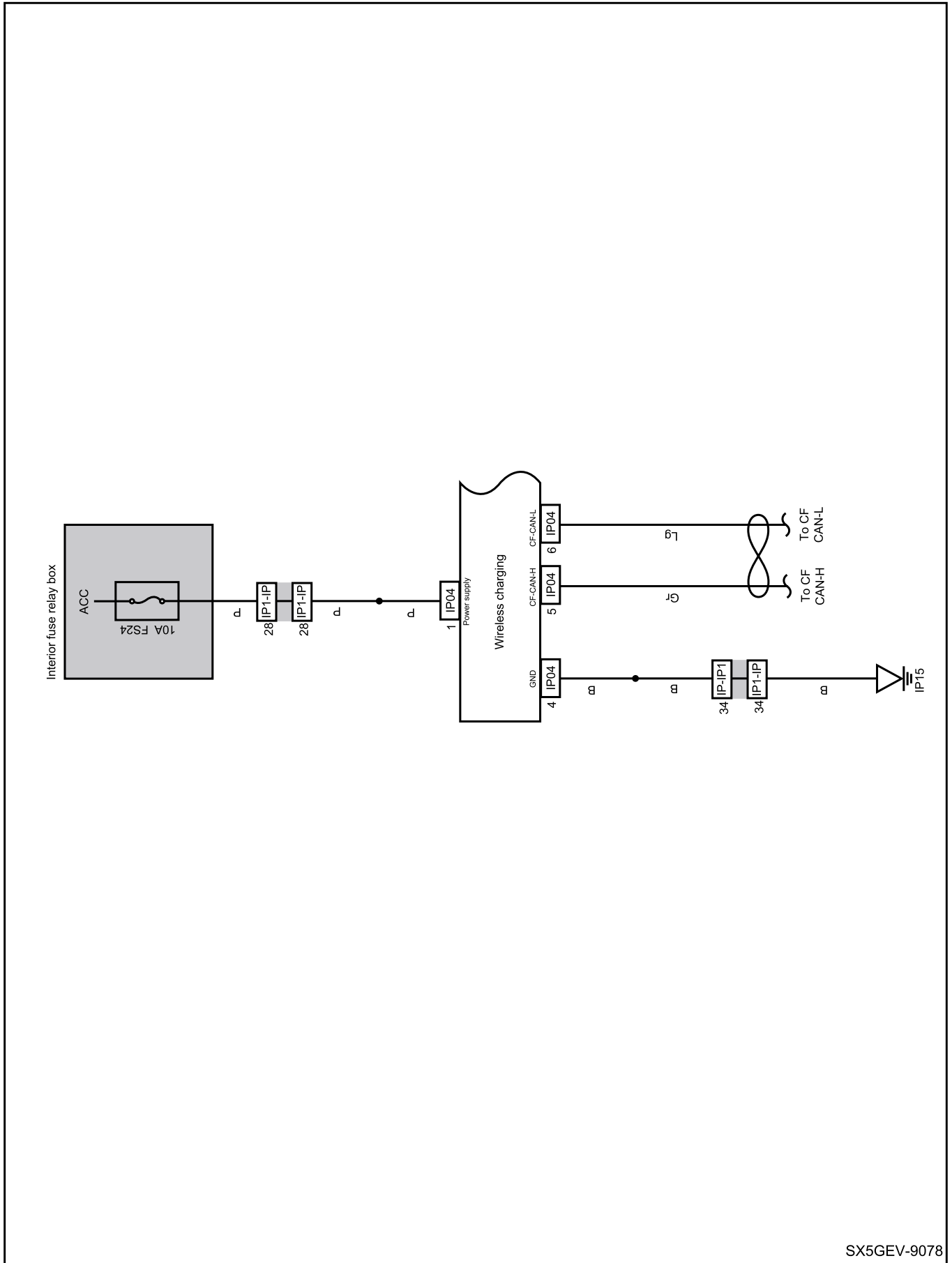
SX5GEV-9055

Multi-function Steering Wheel - Overall Diagram

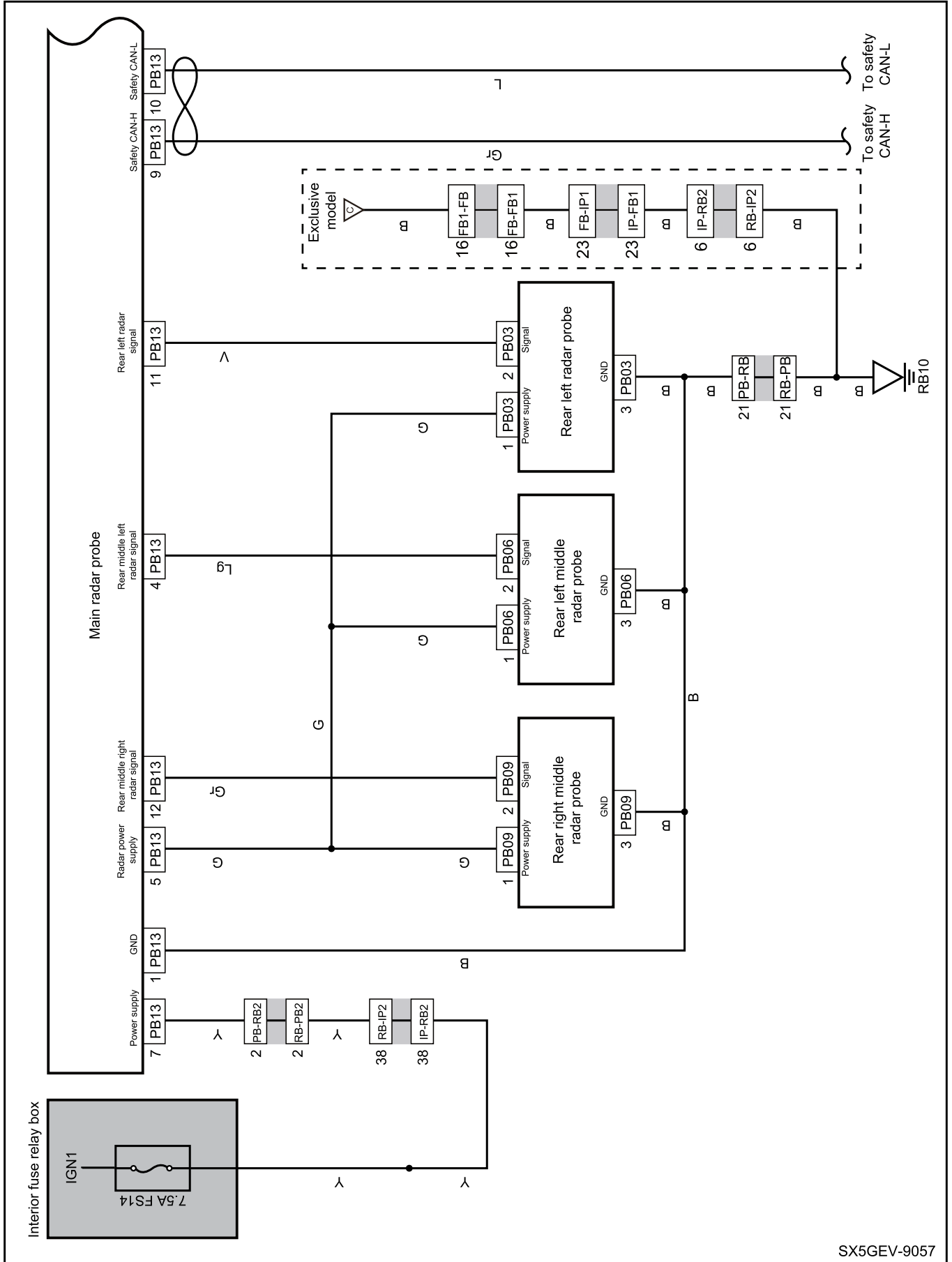


SX5GEV-9056

Wireless Charging Module - Overall Diagram

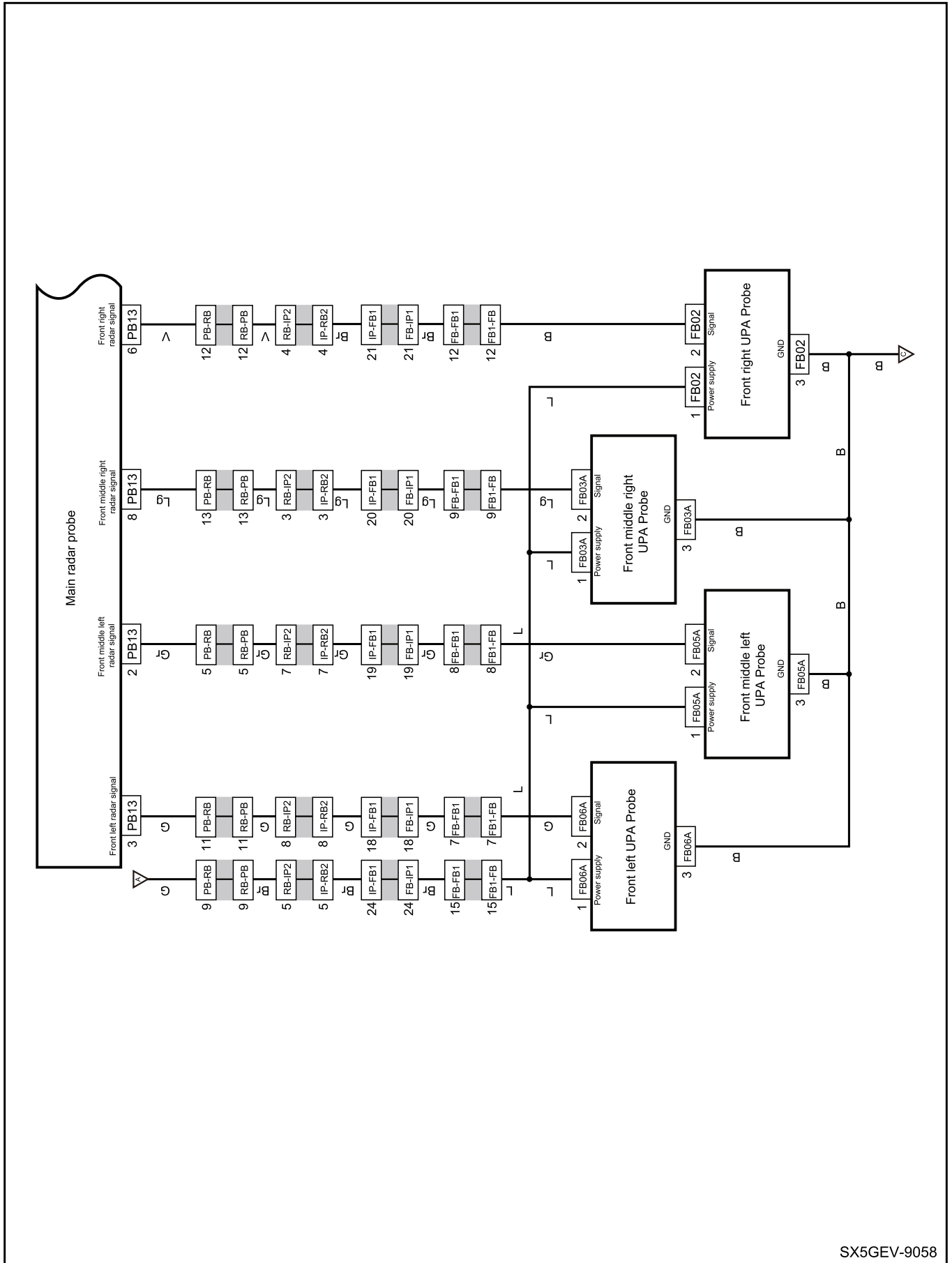


Reversing Radar 1 (luxury model) - Overall Diagram



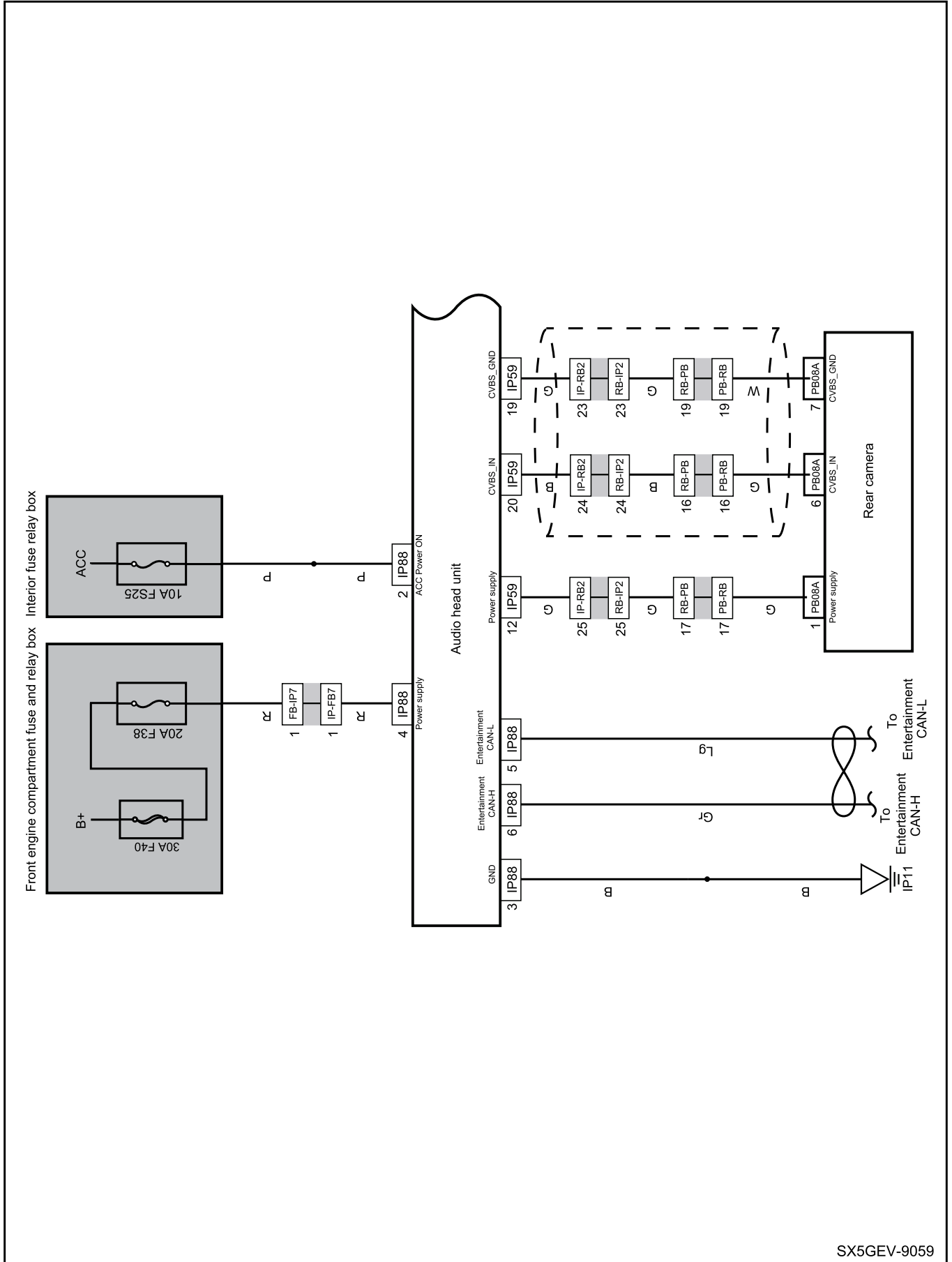
SX5GEV-9057

Reversing Radar 2 (Exclusive Model) - Overall Diagram



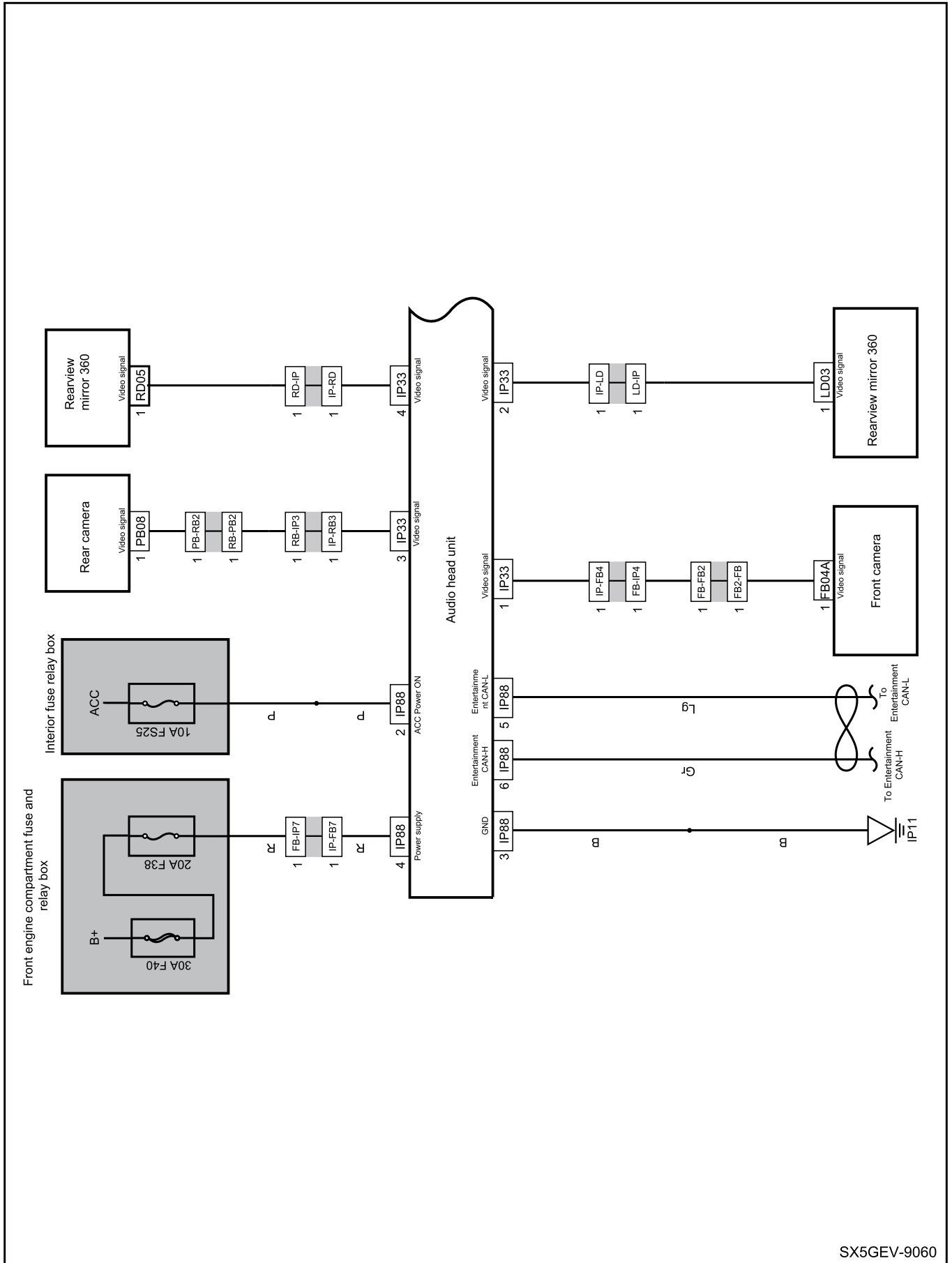
SX5GEV-9058

Reversing Camera (luxury model) - Overall Diagram



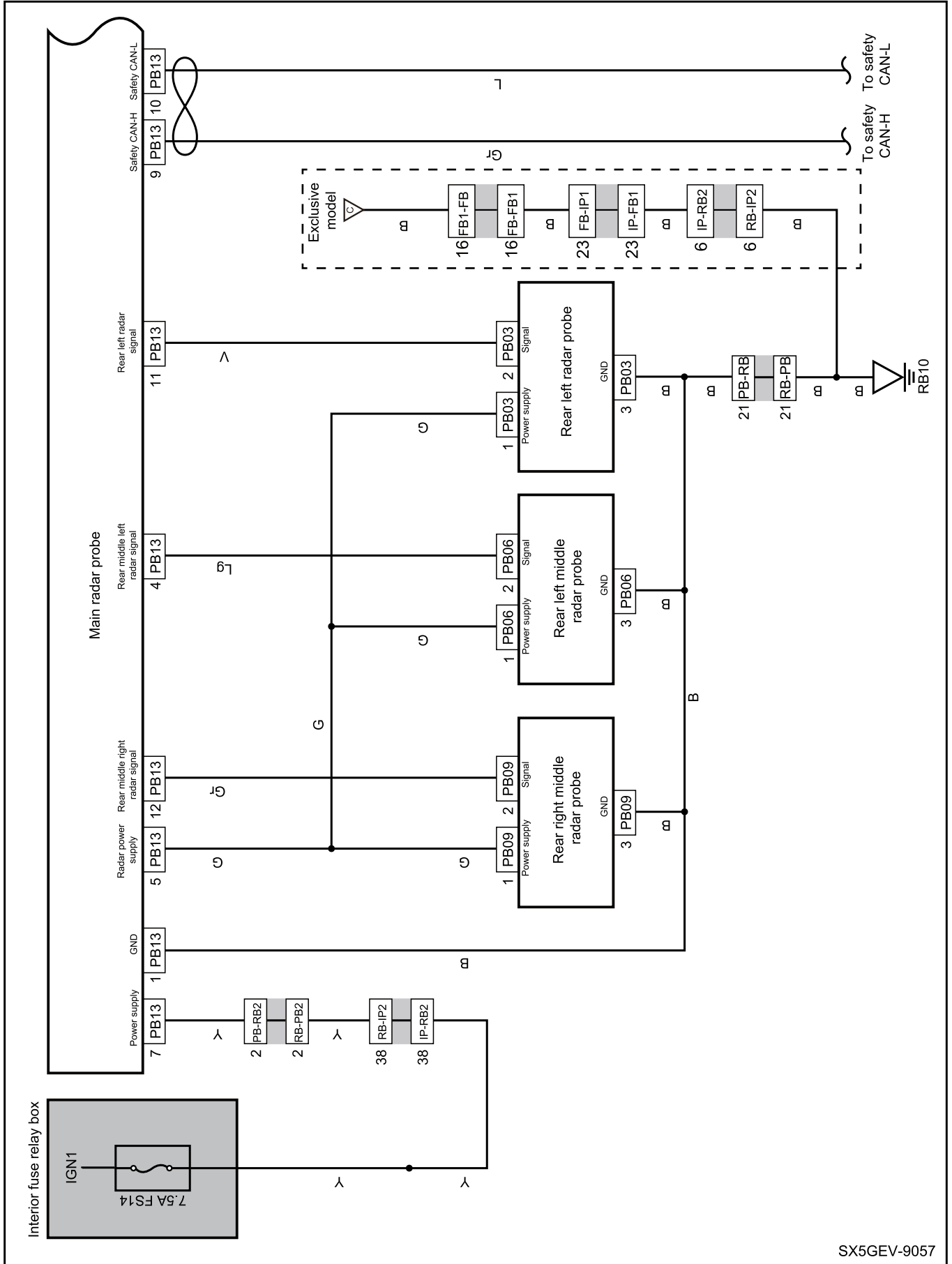
SX5GEV-9059

360° Panoramic Image (Exclusive Model) - Overall Diagram



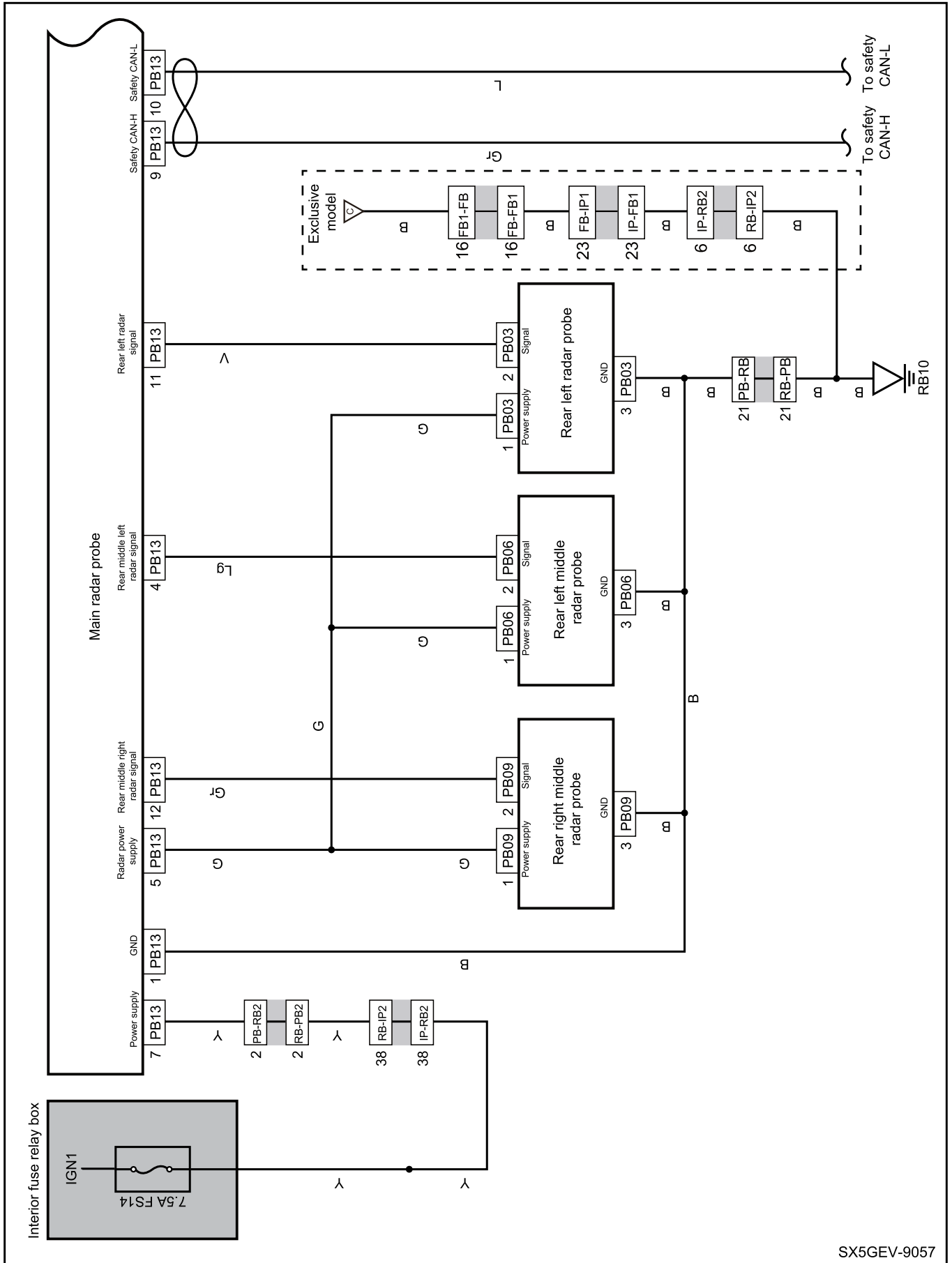
SX5GEV-9060

Reversing Radar 1 (luxury model) - Overall Diagram



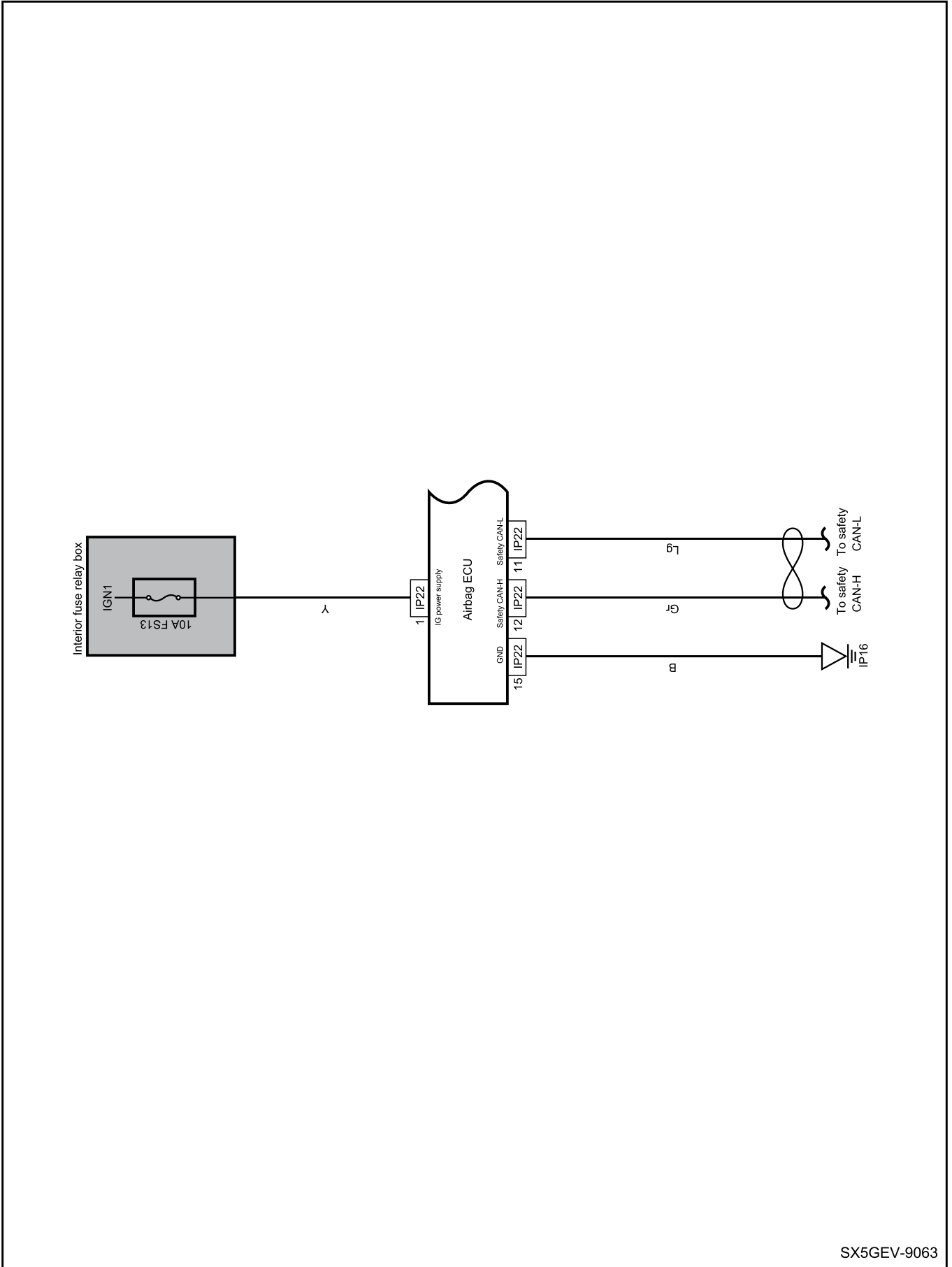
SX5GEV-9057

Reversing Radar 1 (luxury model) - Overall Diagram



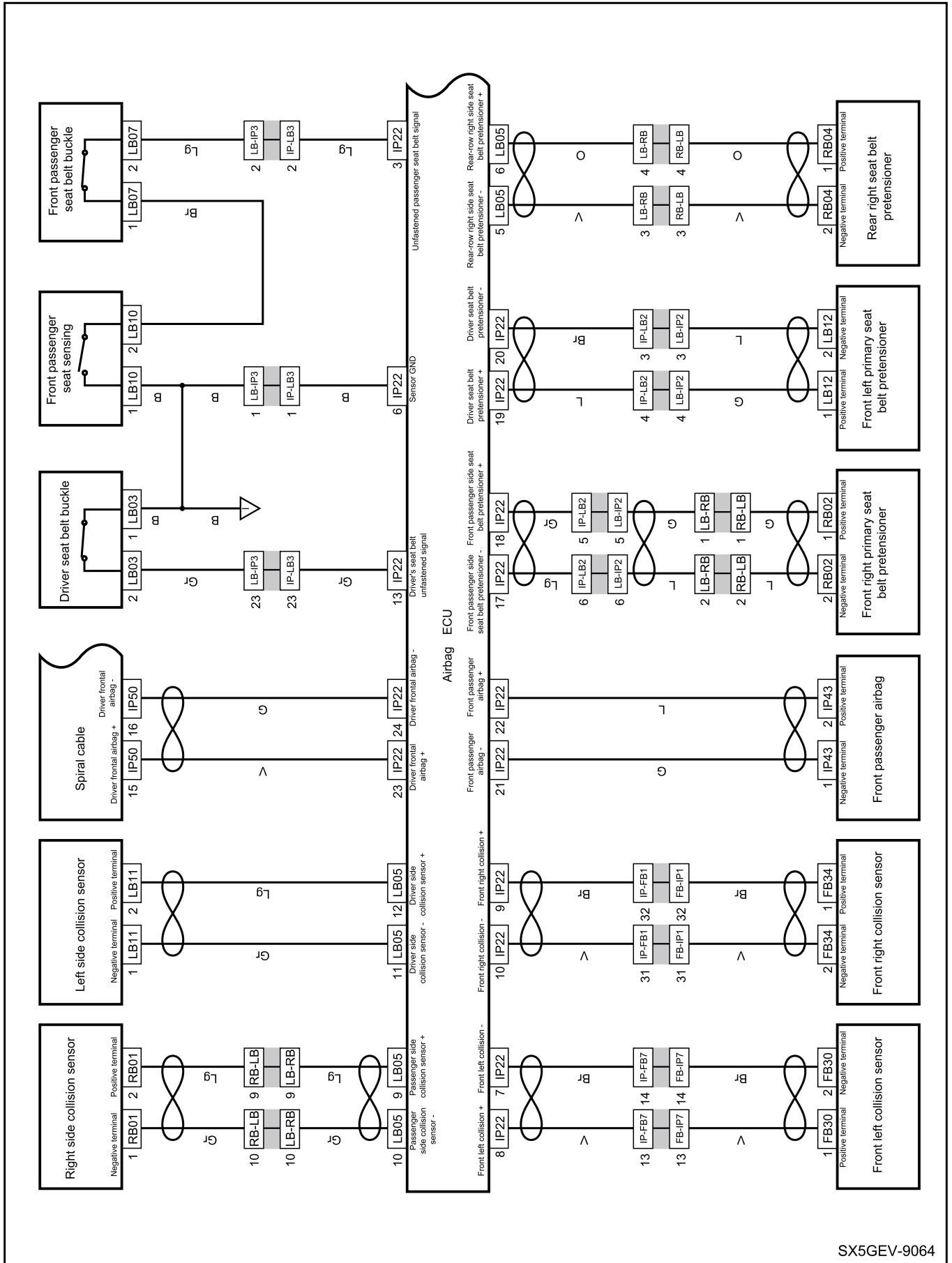
SX5GEV-9057

SRS Power Supply, GND and Data – Overall Diagram



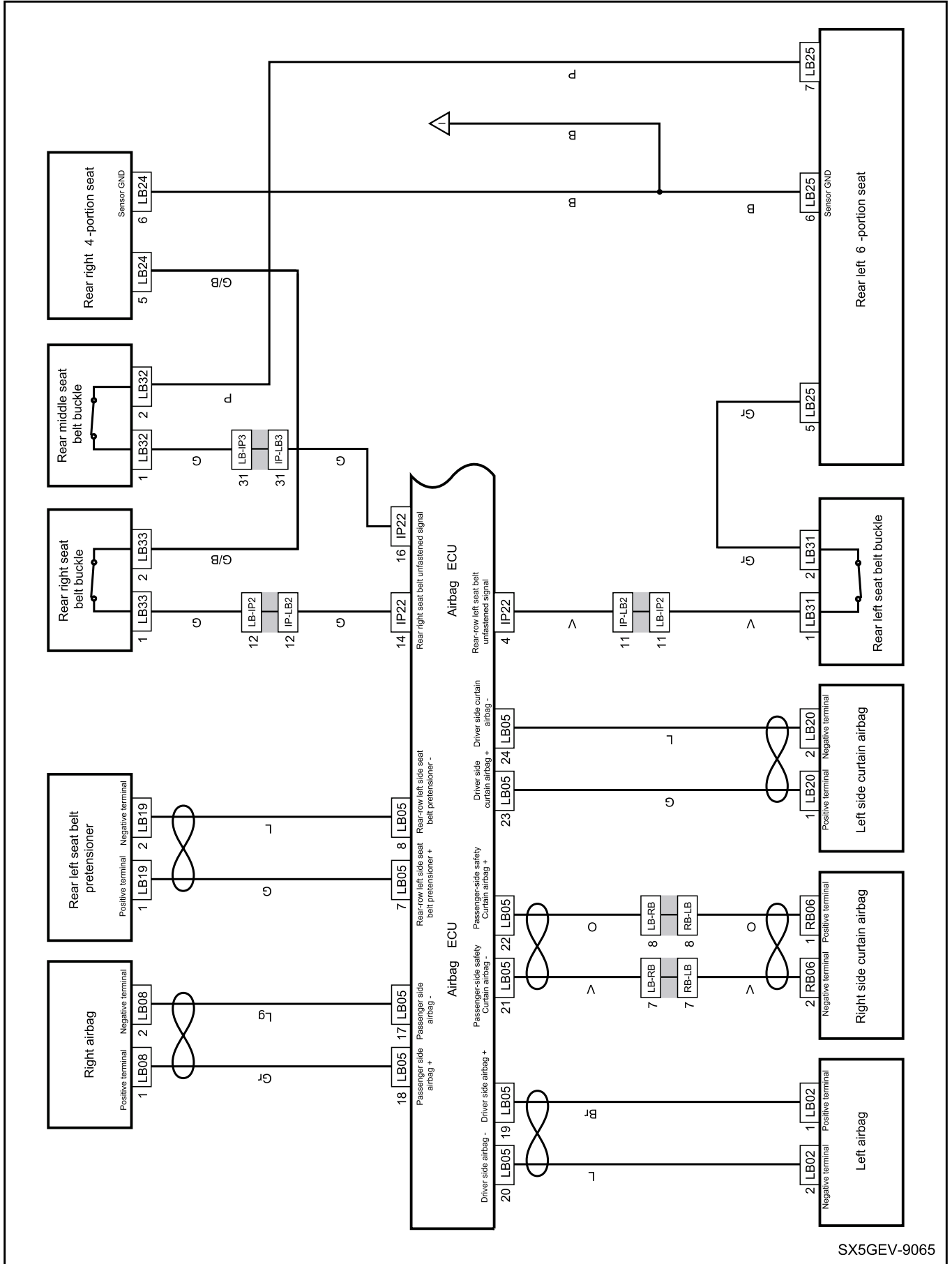
SX5GEV-9063

SRS Sensor and Actuator 1 - Overall Diagram



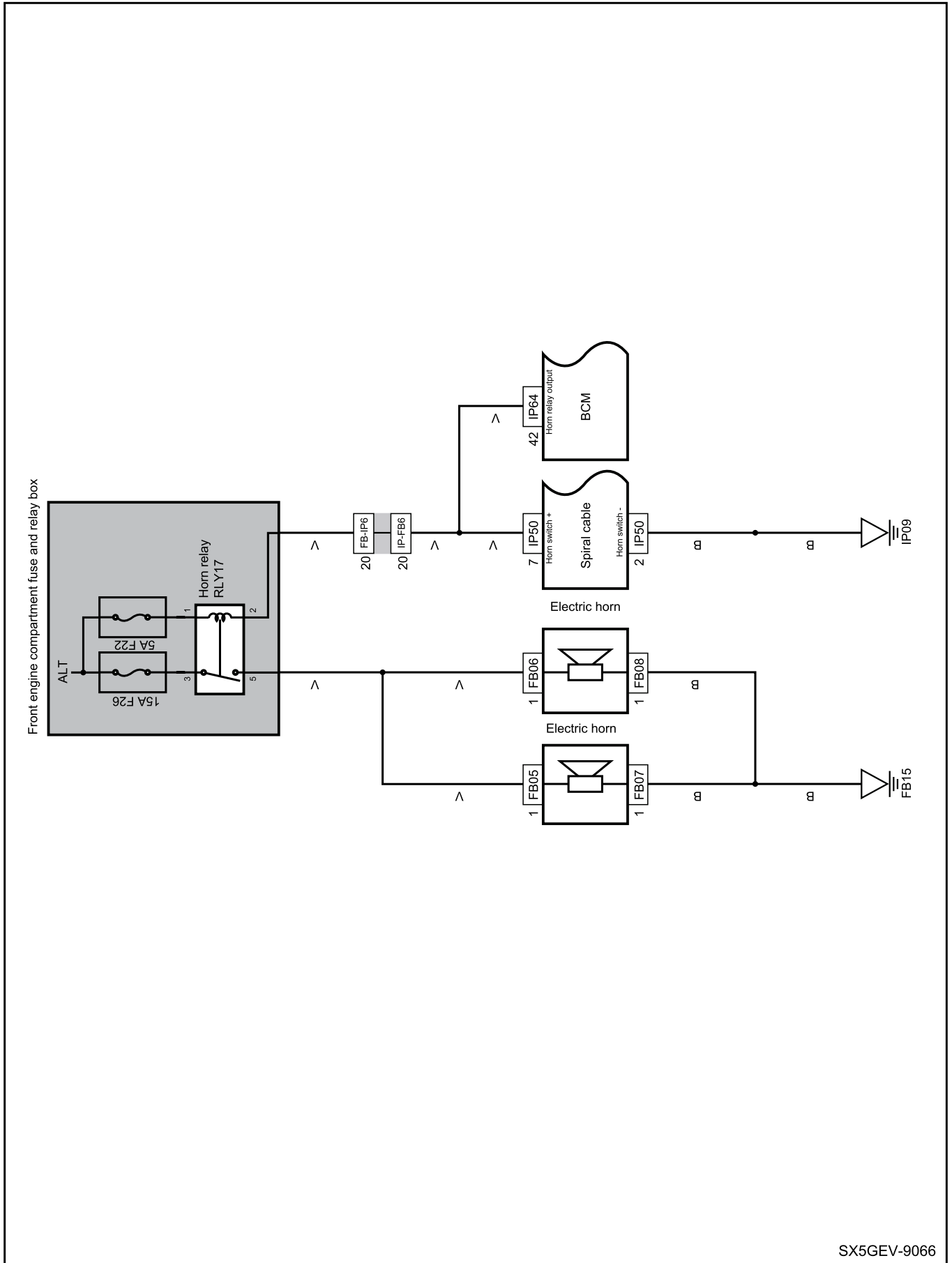
SX5GEV-9064

SRS Sensor and Actuator 2 - Overall Diagram



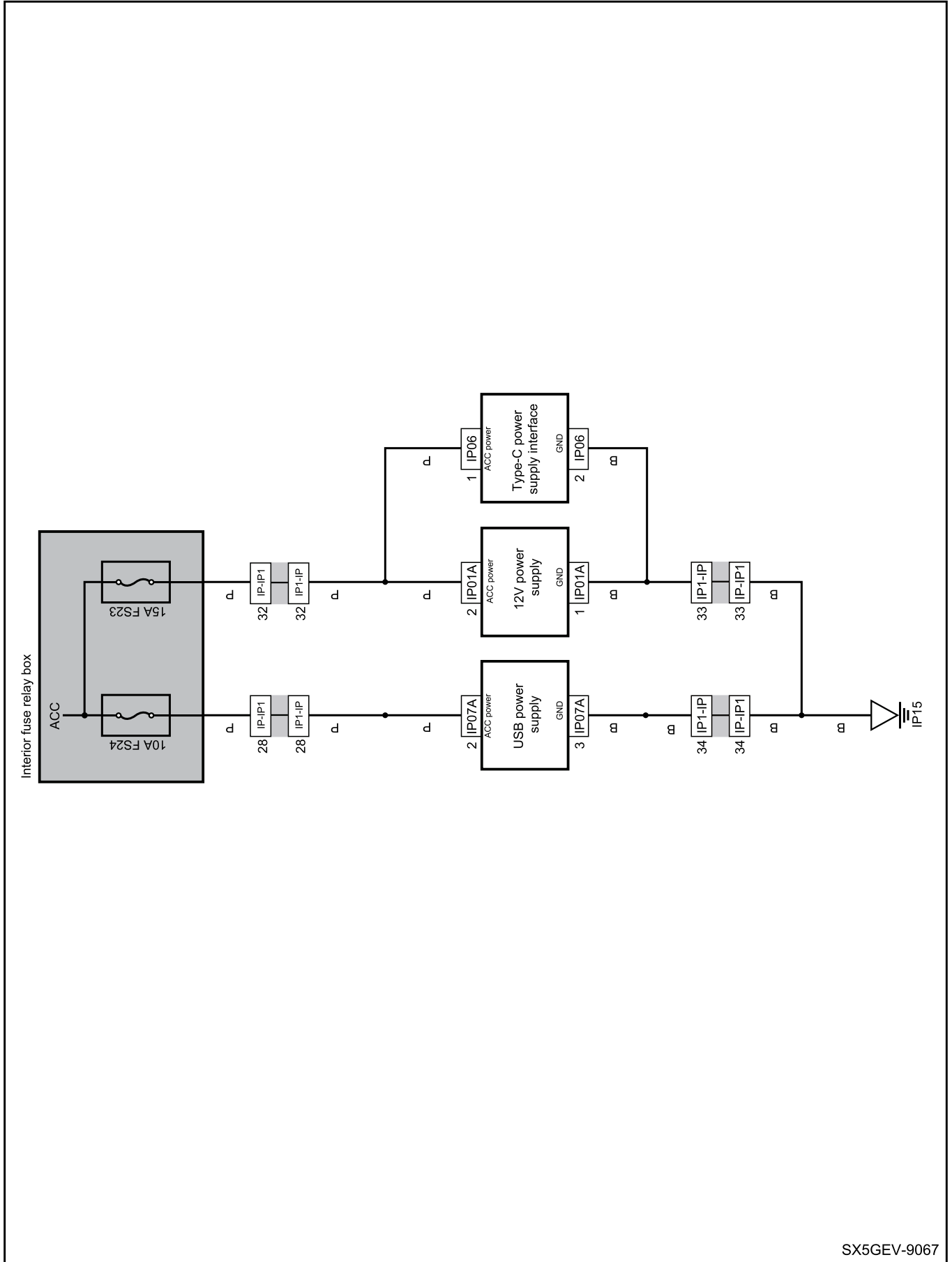
SX5GEV-9065

Horn – Overall Diagram



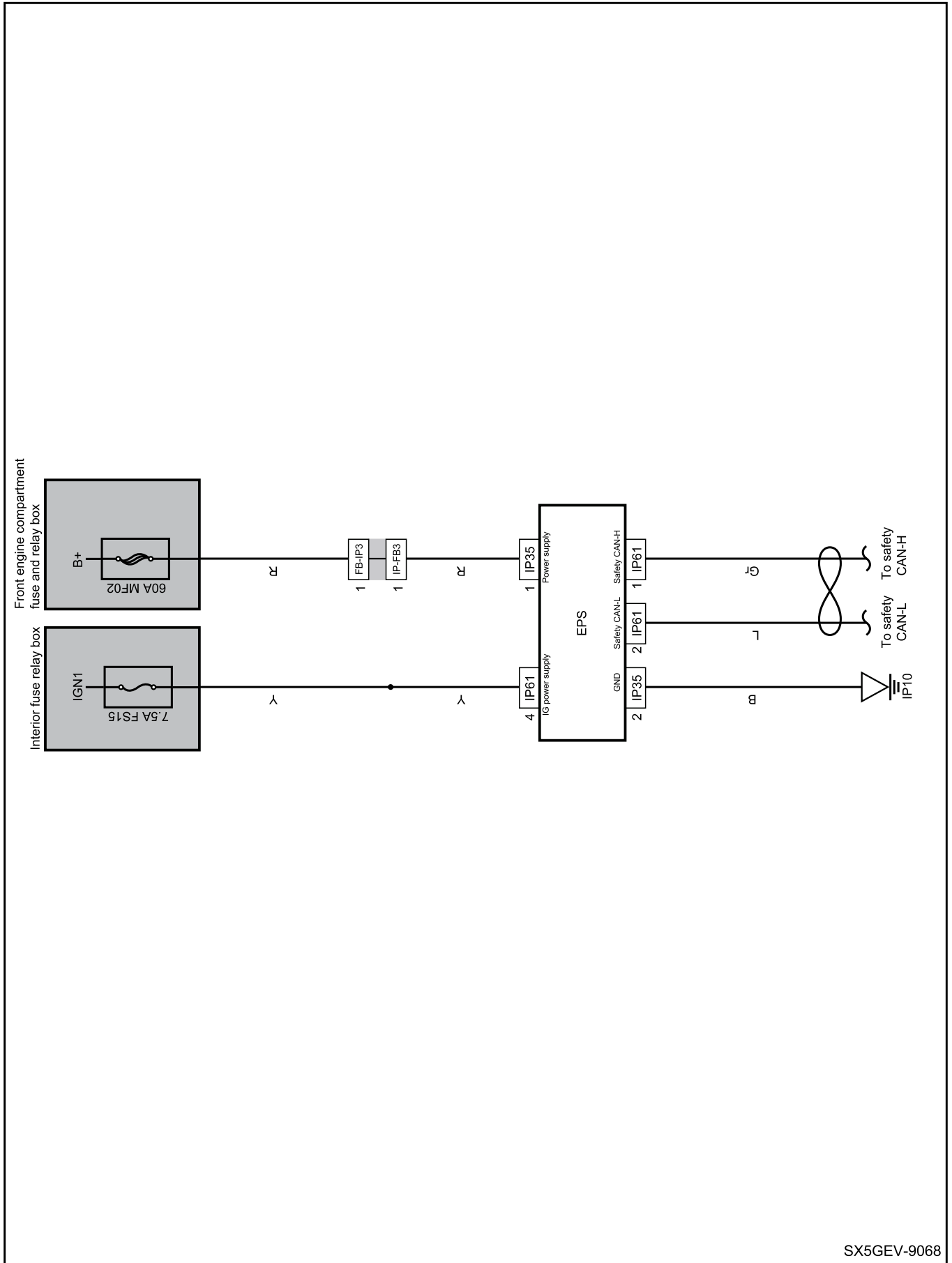
SX5GEV-9066

On-board Power Supply - Overall Diagram

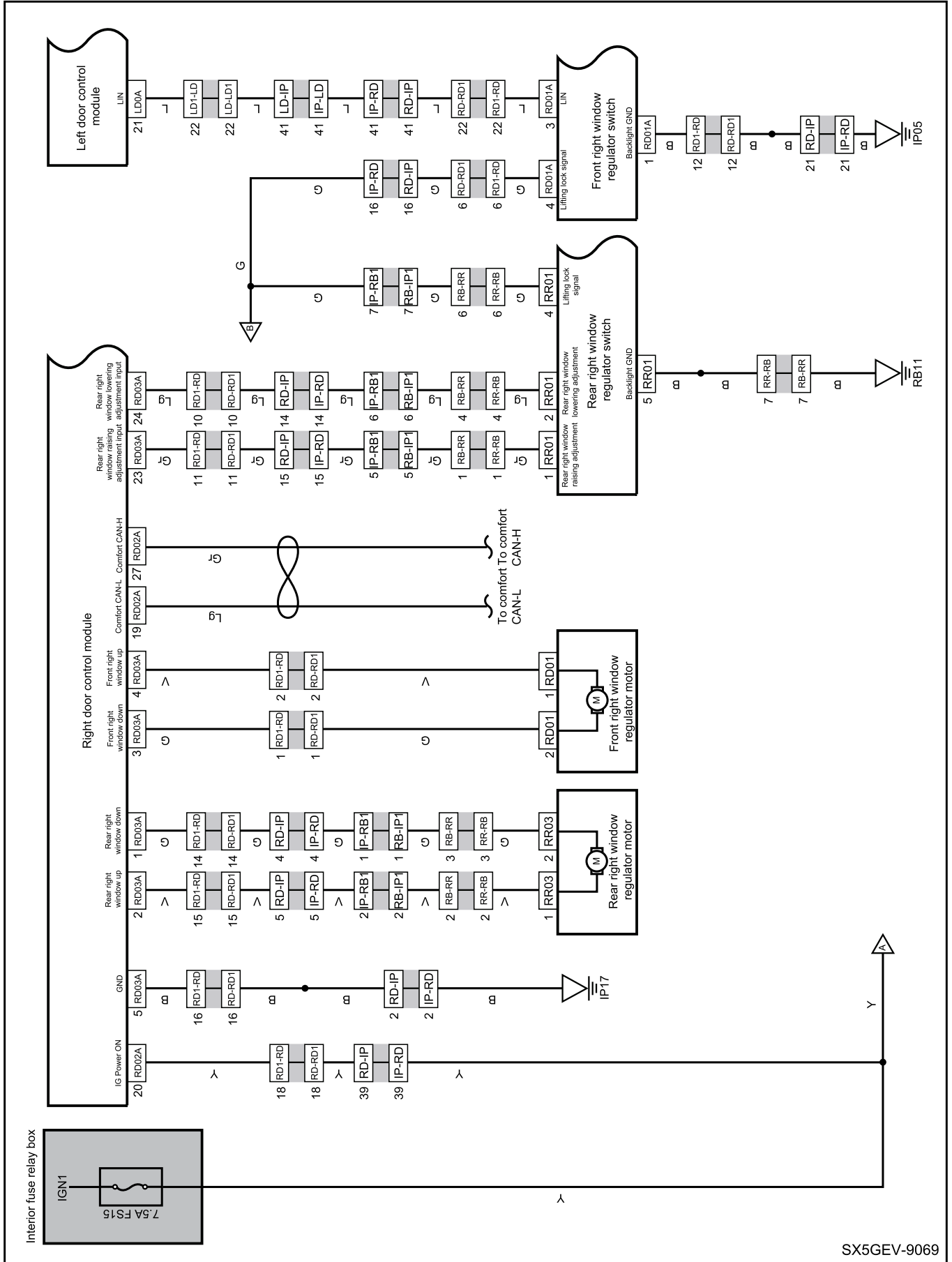


SX5GEV-9067

EPS - Overall Diagram

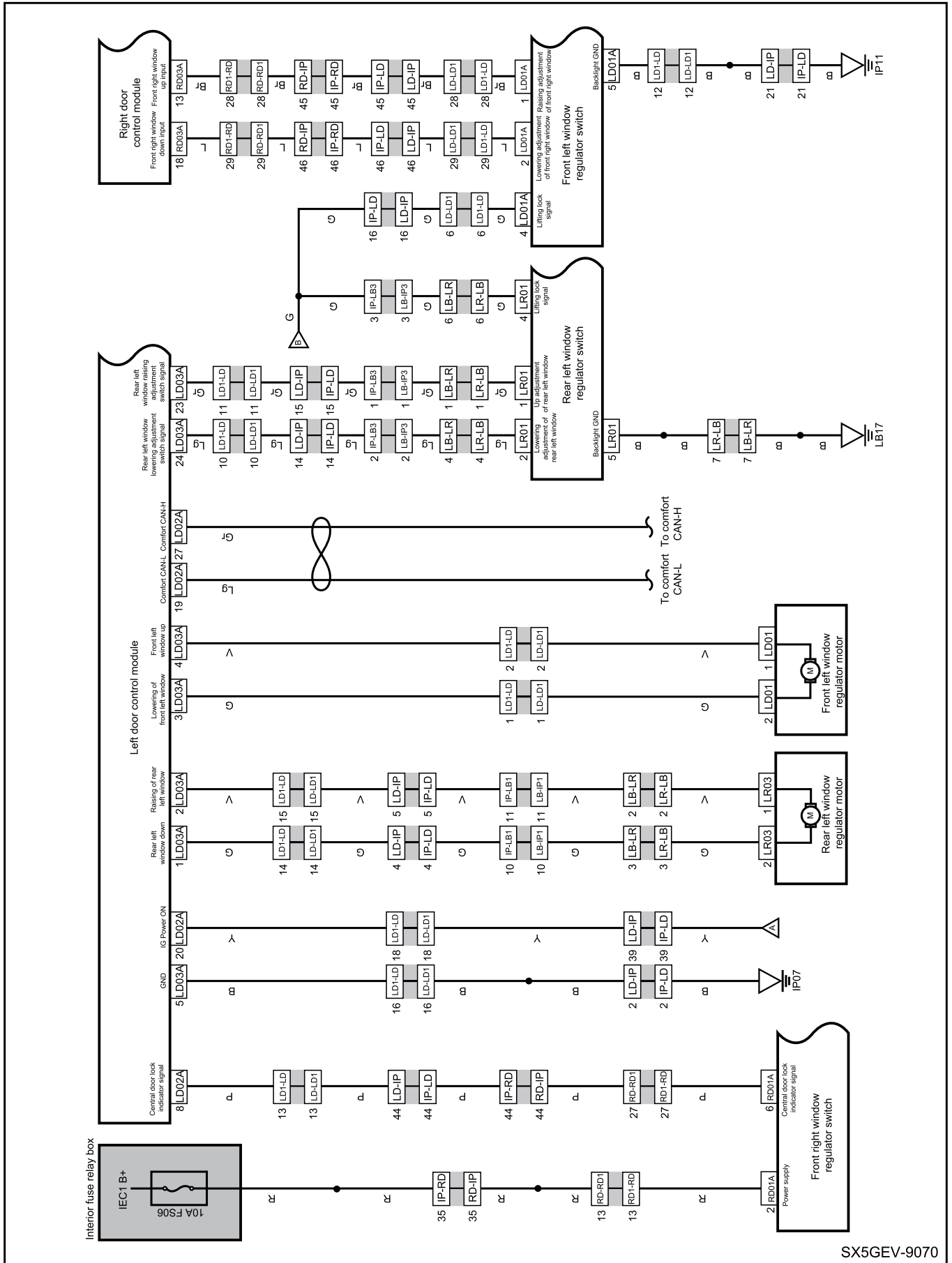


Power Window 1 – Overall Diagram



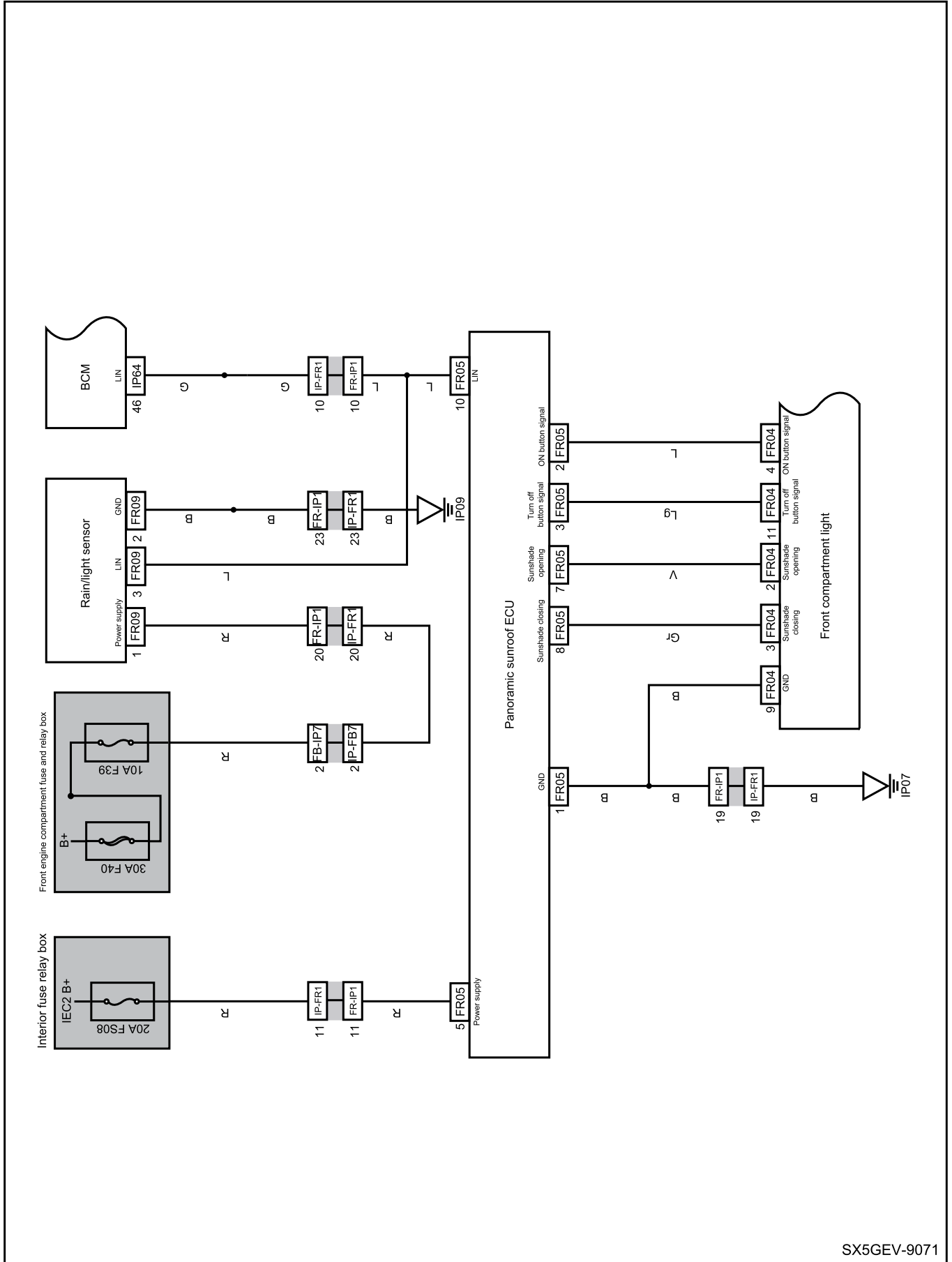
SX5GEV-9069

Power Window 2 – Overall Diagram

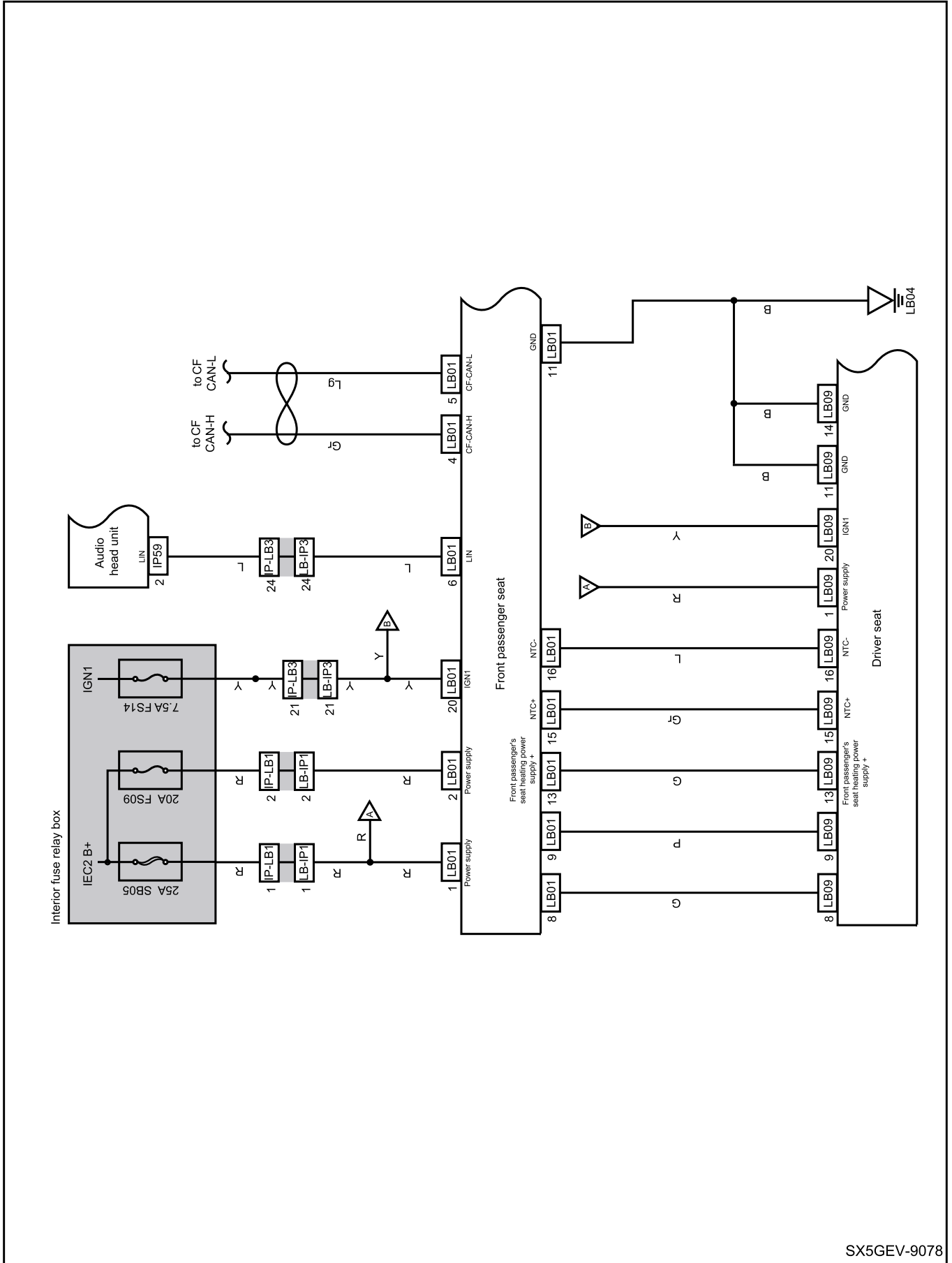


SX5GEV-9070

Panoramic Electric Sunroof (Exclusive Model) - Overall Diagram

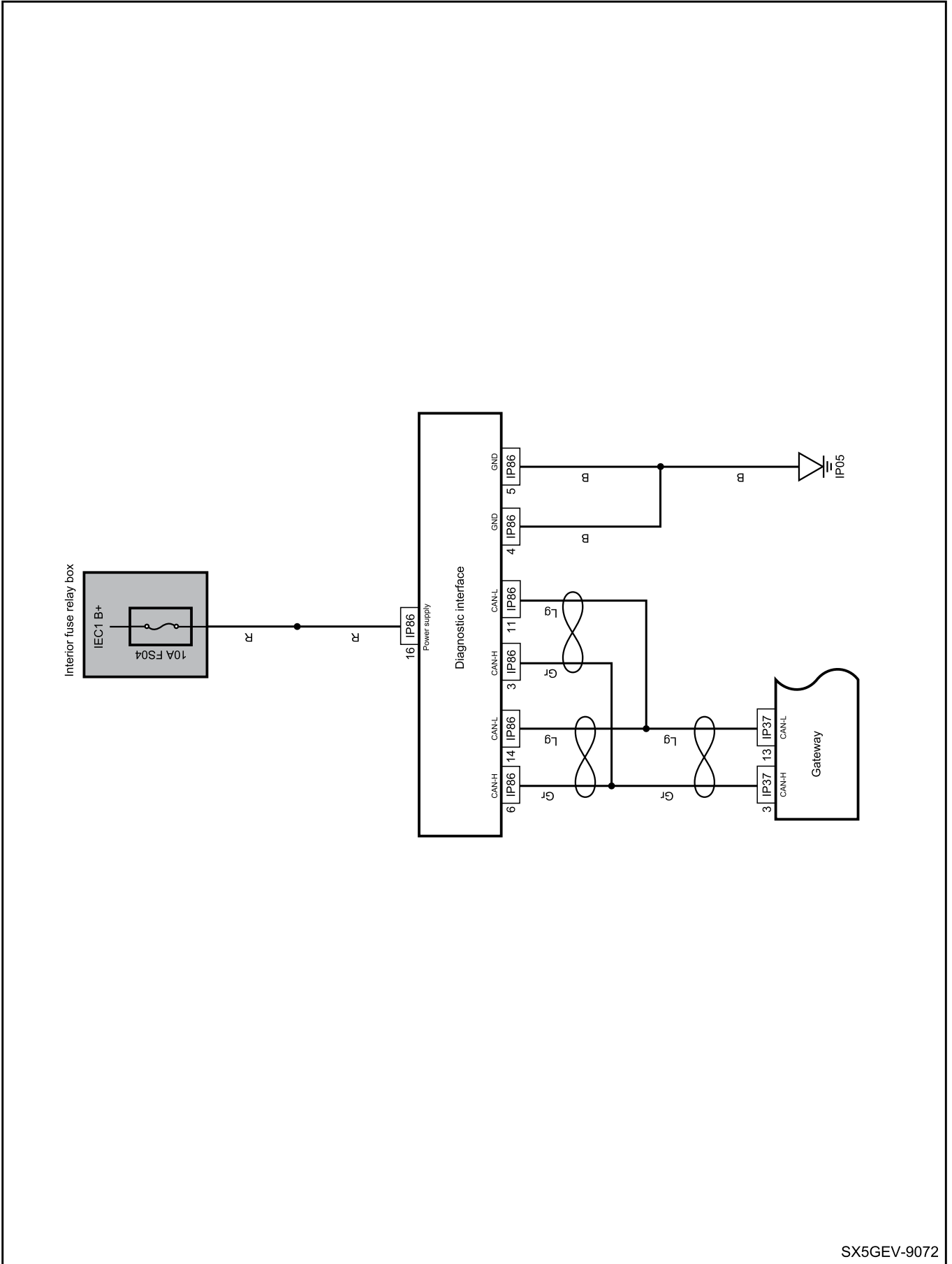


Seat System – Overall Diagram



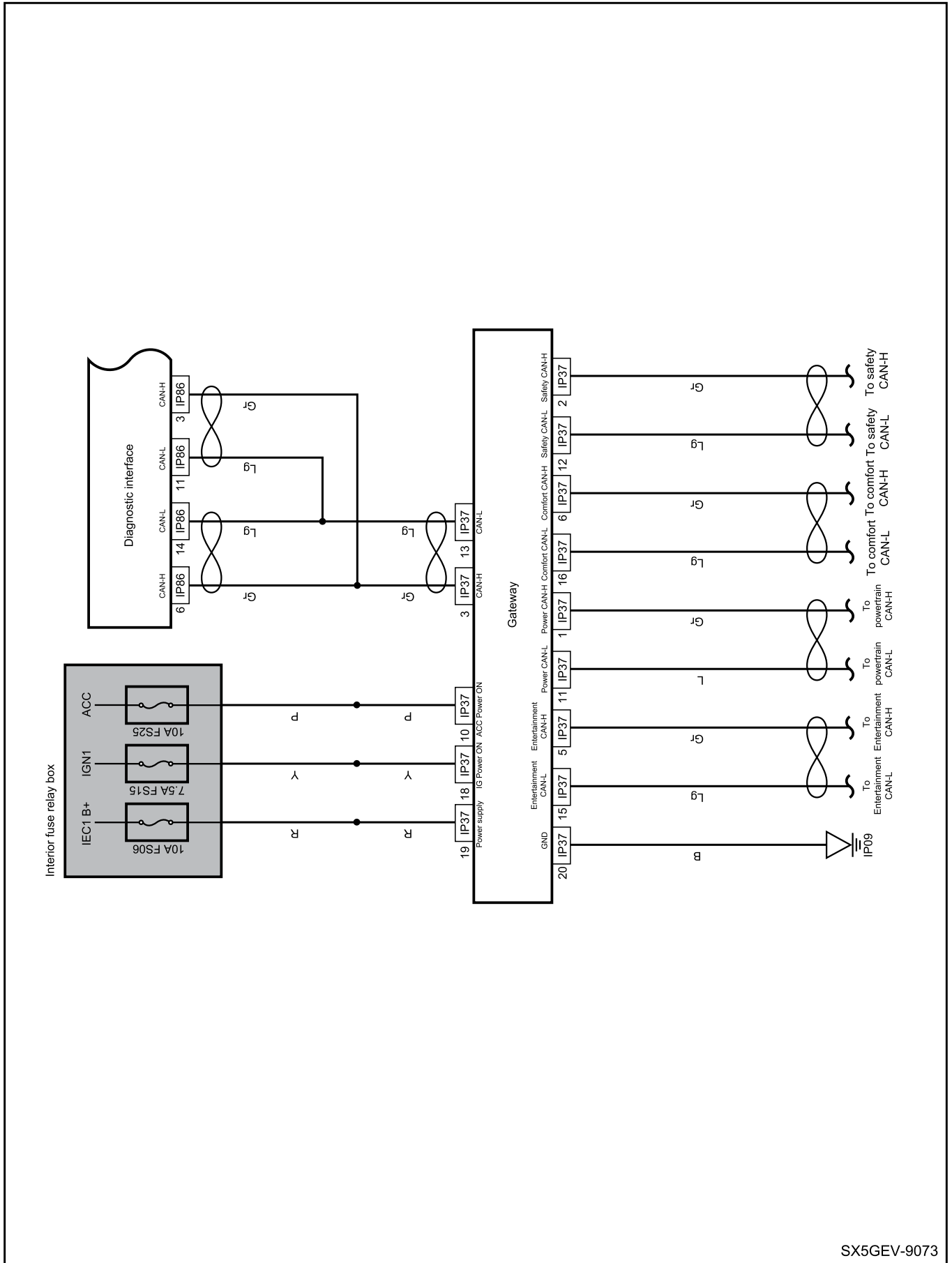
SX5GEV-9078

Diagnostic Interface - Overall Diagram



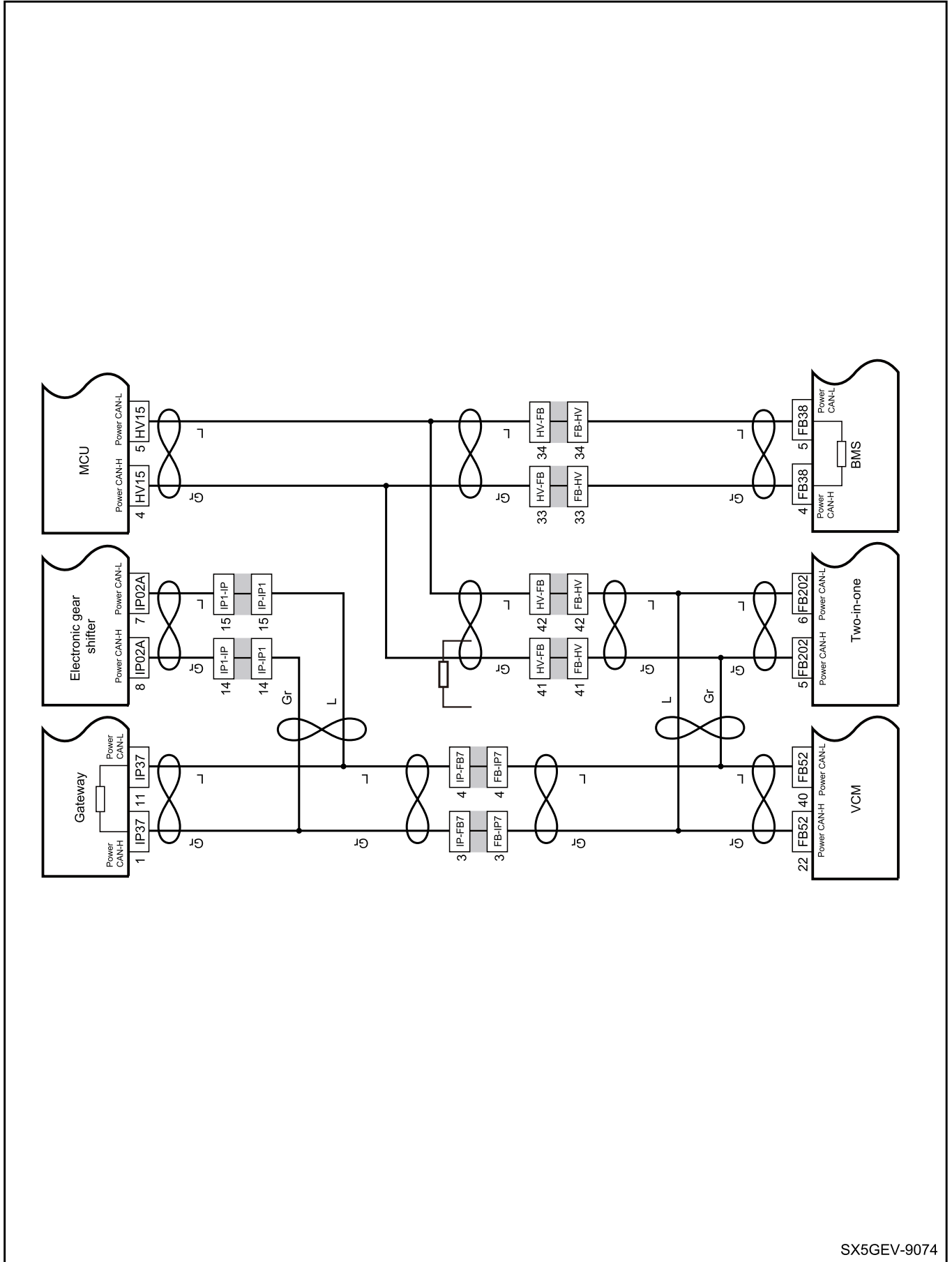
SX5GEV-9072

Gateway - Overall Diagram



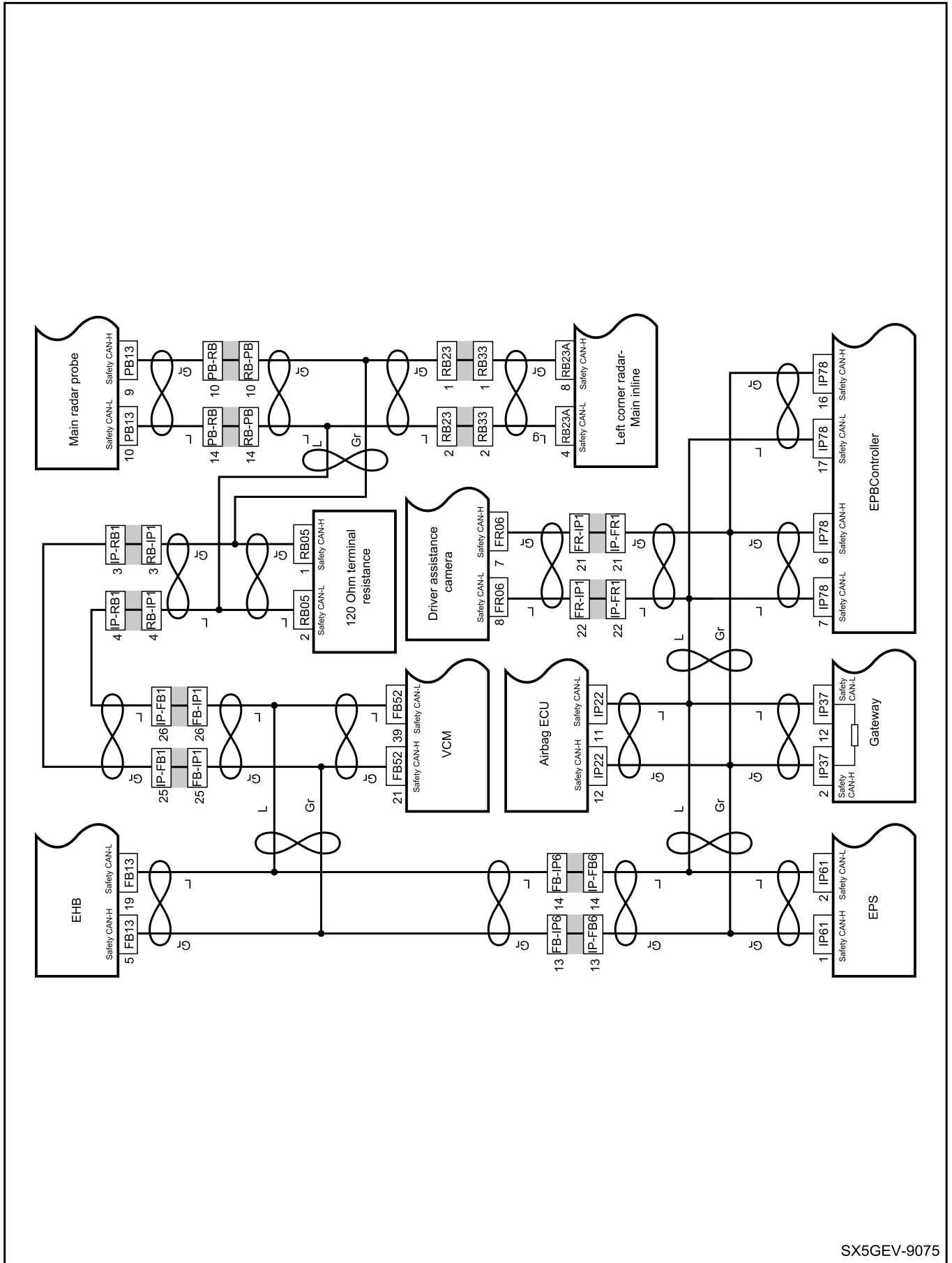
SX5GEV-9073

Bus Communication System (Power CAN) - Overall Diagram



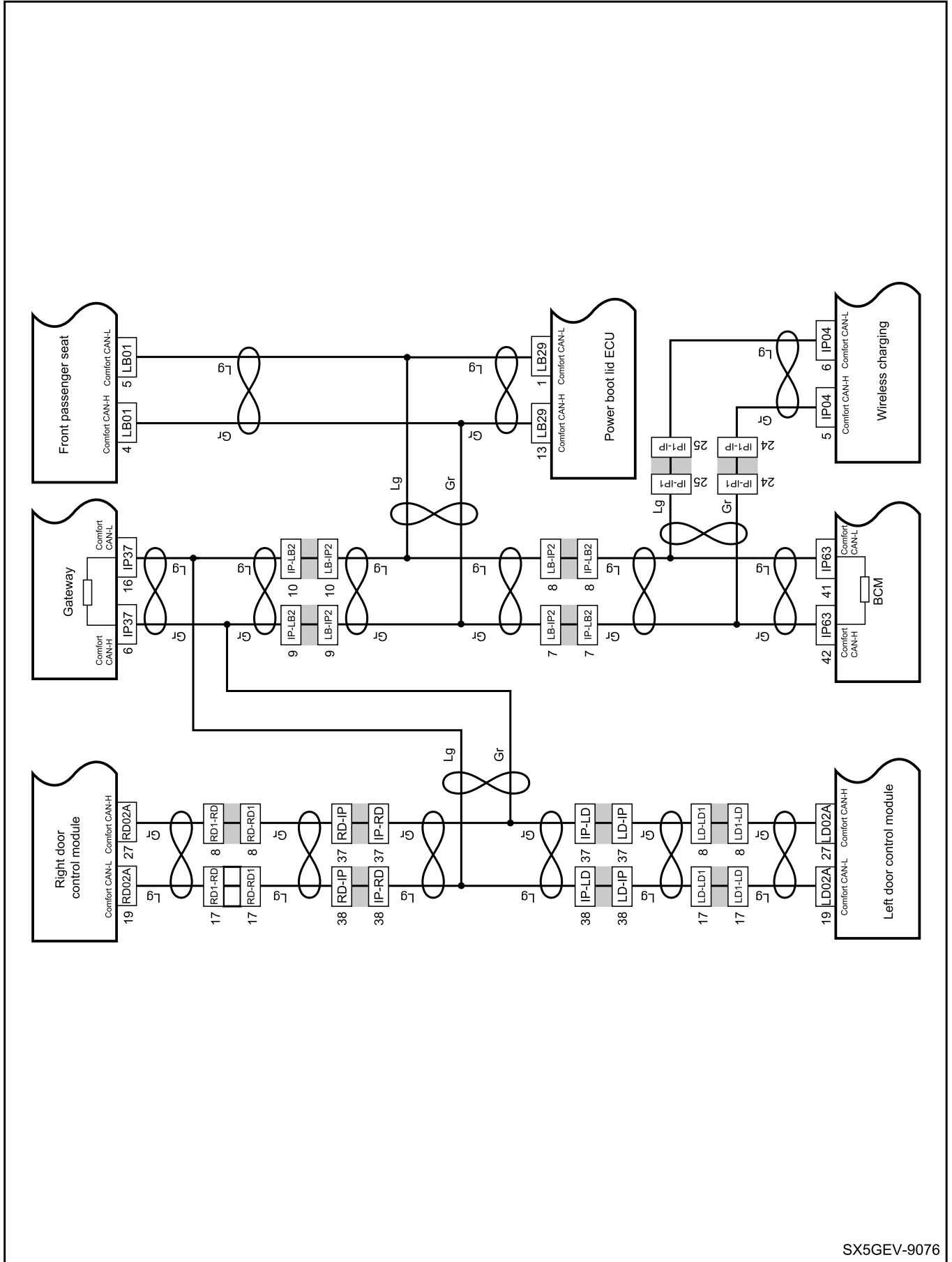
SX5GEV-9074

Bus Communication System (Safety CAN) – Overall Diagram



SX5GEV-9075

Bus Communication System (Comfort CAN) – Overall Diagram



SX5GEV-9076

Abbreviations

English Abbreviations	Chinese description	English Abbreviations	Chinese description
ABS	Anti-lock brake system control module	VSS	Vehicle speed sensor
A/C	A/C control module	PAID	Reversing radar control module
ACU	SRS control module	SAS	Steering angular velocity
BCM	Vehicle body control module	ESCL	Electronic steering column lock
CAN	Controller area network	PEPS	Passive entry passive start
DLC	Fault diagnostic interface	TPMS	TPMS
IPC	Instrument cluster	HCU	Vehicle control unit
BMS	BMS	OBC	Charger
PTC	Heater	PEU	MCU

