Foreword

This manual details the main wiring diagrams for Hongqi E-HS9. Comprehending the contents of this manual is of great importance to ensure correct repair and maintenance of cars. You must keep the manual within your reach for quick and convenient reference.

The wiring diagrams covers basic and optional equipment of Hongqi E-HS9. The actual wirings in the car may vary, depending on the optional equipment.

All information in the manual, including the technical standards for figures, tables and wiring diagrams, are up-to-date at the time of publication. The modification to the manual will have an impact on the repair and maintenance of the car. Relevant supplementary information of this version can be obtained from China FAW Group Import & Export Corporation Ltd.

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Repair Manual Quality Report

To China FAW Group Import & Export Corporation Ltd.

Ver. No.		Issue date	
Authorized FAW Hongqi dealer		By	
Theme			
Brief description of problems			
Suggestions for correction			

Please complete this page and mail it to China FAW Group Import & Export Corporation Ltd.

WARINING

Maintaining vehicles is a dangerous job. And it is easy to cause personal injury and property damage, or improper maintenance may occur if relevant training is not provided. In this manual, we introduce maintenance procedures that are elaborately formulated by professional technicians from FAW.

For technicians who have not received training given by China FAW Group Import & Export Corporation Ltd., this manual is very helpful. Also, for those who have received our training on maintenance, and for experienced technicians, using this manual can reduce the risks that may be generated at the time of maintenance. In addition to these, the users of this manual shall all know how to implement the fundamental safety protection measures. The "Warning" and "Notice" given in this manual can remind the technicians with general experience of the dangers not frequently encountered. Please strictly follow the warnings and notices in order to reduce casualties, avoid damages to vehicles caused by improper maintenance, or avoid any chance of unsafe vehicles after maintenance. Note that the "Warning" and "Notice" are necessary in this manual. This manual does not necessarily cover the warnings for all dangerous consequences caused by failure to follow the maintenance procedures.

The recommended procedures given in this manual are effective for maintenance, and some of the maintenance tools are specially designed for special purposes. The maintenance personnel must ensure their safety and that of vehicles when using procedures and tools not recommended by FAW.

When replacing parts, original ones or the ones that match their quality must be used. When inferior parts are used, ensure your safety and the safety of vehicles.

China FAW Group Import & Export Corporation Ltd. is not responsible for any problems that may arise from the use of this manual. The reasons for these problems may include the lack of maintenance-related training, use of improper tools or inferior parts compared with original ones, or the unfamiliarity of the revised contents of this manual, and so on.

How to use this manual

This manual covers corresponding information of the circuits in the vehicle according to the systems in which the circuits are integrated.

The actual wiring of each system starts from the power supply of the battery and generator, passes through the fuse or relay, the switch, and the electrical equipment, and ends at the grounding point. (All wiring diagrams are indicated with all switches closed.)

The "System Circuit" and "DTC Table" are used as references in order to find out the cause of the fault and troubleshoot the faulty circuit. The "Fuse Box Distribution Diagram" and "System Circuit" are utilized to find out the parts, junction boxes and their harness connector, harness and its connector, contacts, and the grounding point of each system circuit.

Instructions and precautions for repair

• Qualification of maintenance technicians

1. Maintenance procedure

(a) The maintenance technician can be qualified to use this manual for vehicle maintenance if he/she possesses the operation certificate for low-voltage electrician and the technical training certificate.

• High voltage safety

1. Meaning of high voltage safety

(a) The electric vehicle is equipped with high-voltage systems at voltage class B. They may cause electric shock to drivers, passengers and operators at the time of trial manufacturing, production, use, and maintenance.

2. Basic knowledge of high voltage safety

(a) Electric shock protection tool - insulating gloves.

(1) Precautions for use of insulating gloves.

• Make sure the correct type of insulating gloves are used.

• Before use, test the gloves by inflating them, and the gloves can no longer be used if there is any damage.

• After use, wipe off the internal and external dirt.

• Keep the gloves dry and avoid contacting acids, alkalis, oils and other substances.

• Test the gloves at an interval of 6 months.

Warning:

Test the gloves at an interval of 6 months.

3. Treatment of electrical shock

(a) Protect the site.

(1) Disconnect the power supply (high-voltage power-off/remove the maintenance switch), check the power-off state and prevent it from reconnecting!

(b) Deal with casualties.

(1) In the event of "serious injury", call emergency contact number 120 immediately.

(2) In the event of "minor injury", go to see the doctor after emergency treatment.

(c) Analyze the accident.

(1) Check the site together with relevant supervisors, safety officers, safety experts and the parties involved (if possible) in a timely manner.

(2) Before using the faulty vehicle again, ask the electrical professional to test the vehicle.

(3) Require relevant department to analyze the cause of the accident and compile an accident report.

4. Rescue at electrical fire

(a) Report to the fire department.

(b) Confirm the type of fire.

(1) When thoroughly inspecting the cause of fire, do not contact any high-voltage components, and use insulating tools during inspection.

(2) For fire not caused by batteries.

• If the fire is small and has not spread to the high-voltage battery yet, use CO2 or ABC dry powder fire extinguisher to put out the fire.

(3) For battery-related fire.

• If the high-voltage battery is bent or damaged in the fire, or if a battery-related problem probably occurs, use a large amount of water to put out the fire.

• It may need 24 hours to completely put out a fire in batteries, and with a thermal imaging camera, it can ensure that the high-voltage battery is completely cooled before the accident comes to an end. If no thermal imaging camera is available, it is necessary to monitor the batteries for re-ignition. If there is smoke, it indicates that the battery is still hot, and in this case, the monitoring shall be maintained until at least one hour after the battery no longer smokes.

• To avoid hidden danger caused by re-ignition of the batteries, it is recommended to place the battery in an open area.

(c) Precautions against electric shock.

(1) Suppose that all high-voltage components are energized all the time!

(2) To avoid electric shock, do not directly contact any part of the vehicle, and always use insulating tools.

(3) Cutting, crushing or touching high-voltage components can cause serious electric shock or a short circuit.

(d) Other precautions.

(1) The battery may release toxic gas when it catches a fire, thus unrelated personnel must be evacuated.

(2) You must have an awareness of self-protection, wear protective equipment, and do not inhale toxic fumes.

(3) Inflatable bottles for storing gases, gas pillars and other components can have an extreme temperature that may exist when boiling liquid becomes steam and explodes. Before the "hot zone" of the accident is inspected, disassembly must be implemented appropriately with protections provided.

(4) Do not use CO_2 extinguisher to put out the fire on a person, as there is a danger of suffocation.

5. Precautions for faulty vehicle

(a) Employees wearing auxiliary electronic medical devices shall not get close to the faulty vehicle. When the motor or the high-voltage system is in operation, the following auxiliary electronic medical devices may be negatively affected.

• Analgesic pump in human body.

• Implanted defibrillator.

• Pacemaker.

• Insulin pump.

• Hearing aids.

• Precautions

1. Precautions for high-voltage related operations (inspection and maintenance of high-voltage systems):

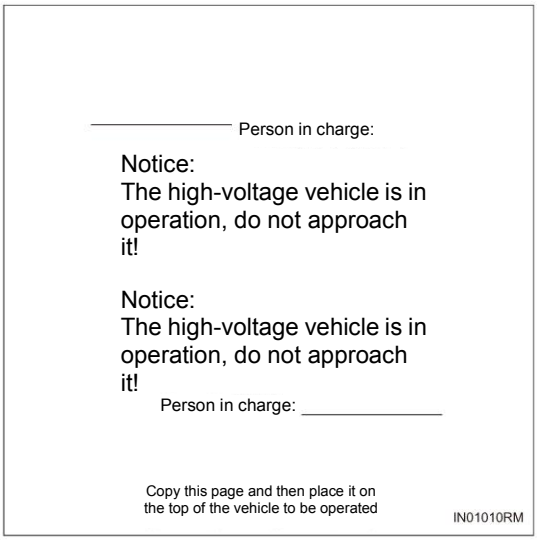
The electric vehicles have a high voltage higher than the safety voltage for human body. Therefore, the vehicles must be inspected and maintained by professionals who have received relevant training, and the professionals must operate using correct methods.

If the vehicle is faulty, persons wearing electronic medical devices including pacemakers and insulin pumps shall not approach and operate the vehicle.

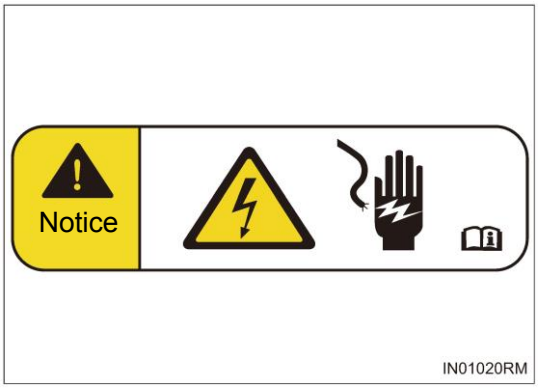
When operating the vehicle, do not wear watches and other metal decorations so as to avoid short circuits.

(a) Preparations

Preparation	Description
Dedicated operating site	**Prevent irrelevant personnel from approaching the site, and avoid electric shock to irrelevant personnel because of misoperation.**
Insulating gloves/shoes	**The insulating gloves shall have a rated voltage of no less than 500VAC/700VDC to prevent electric shock caused by direct contact with high-voltage live parts.**
Insulating tape	**The insulating tape must be orange, and it is used for winding damaged or exposed high-voltage live parts.**
High voltage warning sign	**The insulating tape must be orange, and it is used for winding damaged or exposed high-voltage live parts.**



(1) High-voltage warning sign



(b) Identification of high-voltage components

Warning:

Certain high-voltage components may be only affixed with a triangle mark with lightning arrow in it.

(1) The high-voltage harnesses and high-voltage connectors are both marked in orange.

(2) The high-voltage components (except harnesses) are affixed with high-voltage marks as shown in the figure.

Hongqi E-HS9
Wiring diagram
Chapter Code

Introduction.....IN 2

System Circuit..... SC 2

Definition of terminals..... M 2

Hongqi E-HS9
Wiring diagram
Introduction

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R Check the circuit diagram

Contents of wiring diagram

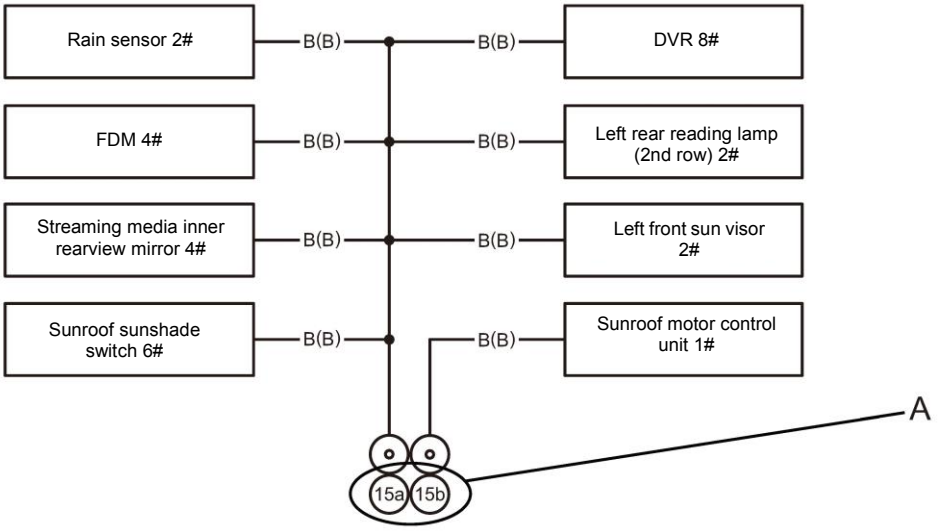
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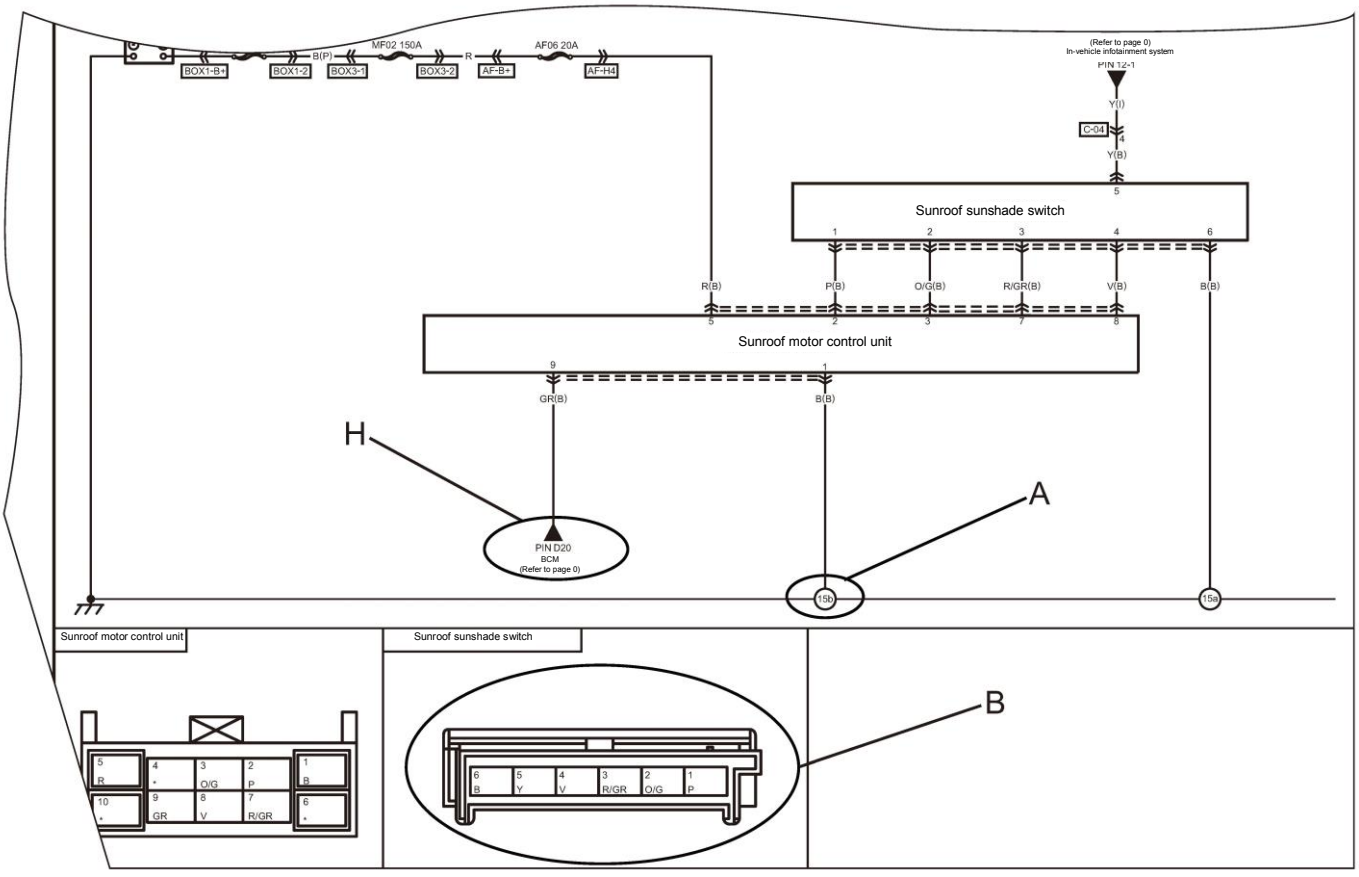
<table>
<tr><td rowspan="8">Introduction</td><td rowspan="8">IN</td><td>R</td><td>Check the circuit diagram</td><td rowspan="2">About how to use and check the wiring diagram. Basic information on how to use testing equipment, check the wiring and connectors, and find the fault points.</td></tr>
<tr><td>P</td><td>General procedures of electrical systems</td></tr>
<tr><td>F</td><td>Fuse box</td><td>It indicates the location and internal circuit of the relay and fuse.</td></tr>
<tr><td>W</td><td>Wiring diagram</td><td>It indicates the routing of the harness and main parts connected in actual vehicles.</td></tr>
<tr><td>G</td><td>Ground</td><td>It indicates the grounding circuit of each electrical equipment.</td></tr>
<tr><td>B</td><td>Power supply (current flow chart)</td><td>It indicates the current flow from the battery to all power sources.</td></tr>
<tr><td>C</td><td>Connector</td><td>It lists the common connectors and other connectors used in the entire system.</td></tr>
<tr><td rowspan="2">Vehicle communication</td><td rowspan="2">VC</td><td>GW</td><td>Gateway</td><td rowspan="28">It indicates the schematic diagram of the circuit and the connector, and the location diagram of the component and the connector.</td></tr>
<tr><td>GW</td><td>DLC</td></tr>
<tr><td rowspan="10">Power</td><td rowspan="10">EV</td><td rowspan="2">CH</td><td>Vehicle charger integrated with DCDC control unit</td></tr>
<tr><td>Charging socket</td></tr>
<tr><td rowspan="3">MC</td><td>FWD electric system inverter</td></tr>
<tr><td>RWD electric system inverter</td></tr>
<tr><td>Trailer identification controller</td></tr>
<tr><td rowspan="4">HC</td><td>Vehicle controller</td></tr>
<tr><td>Battery control unit</td></tr>
<tr><td>Charging controller</td></tr>
<tr><td>ACDC charging socket assembly</td></tr>
<tr><td rowspan="9">Brake</td><td rowspan="9">BR</td><td rowspan="9">CS</td><td>Electronic stability program</td></tr>
<tr><td>I-BOOST control unit</td></tr>
<tr><td>E-PARK controller</td></tr>
<tr><td>Electronic power steering</td></tr>
<tr><td>Electric steering column control unit (ESCCU)</td></tr>
<tr><td>Steering angle sensor (SAS)</td></tr>
<tr><td>Electronic shift controller</td></tr>
<tr><td>Driving mode control unit</td></tr>
<tr><td>AirS control unit</td></tr>
<tr><td rowspan="2">Air conditioner</td><td rowspan="2">AC</td><td rowspan="2">CS</td><td>Automatic A/C control unit</td></tr>
<tr><td>Rear control panel switch</td></tr>
<tr><td>Restraint system</td><td>RS</td><td>SRS</td><td>Airbag control unit</td></tr>
<tr><td rowspan="3">Body and accessories</td><td rowspan="3">BO</td><td>CS</td><td>Ambient lamp</td></tr>
<tr><td>BCM</td><td>BCM</td></tr>
<tr><td>DL</td><td>Door control system</td></tr>
</table>

Body and accessories	BO	SE	Seat system	It indicates the schematic diagram of the circuit and the connector, and the location diagram of the component and the connector.
		LI	Front light control unit	
			Rear lamp control unit	
		RF	Sunroof motor control unit	
		SC	Rear backup power supply	
			220V power supply	
			12 V backup power supply	
			Left and right 3rd-row USB	
		ER	Entertainment host	
			Power amplifier	
		TB	T-BOX	
		FDM	Fine dust mirror	
		HAD	Highly automated driving	
		AVM	Around view monitor	
		PM	Parking distance control	
		RA	Forward millimeter wave	
			Left and right forward millimeter wave	
			High-precision map control unit	
		IFC	Smart front camera	
		DSM	Driver side monitor	
		NS	Pedestrian warning controller	

Grounding point

- The following figure shows the grounding point of electrical wiring





[A]: About wiring diagram and grounding point

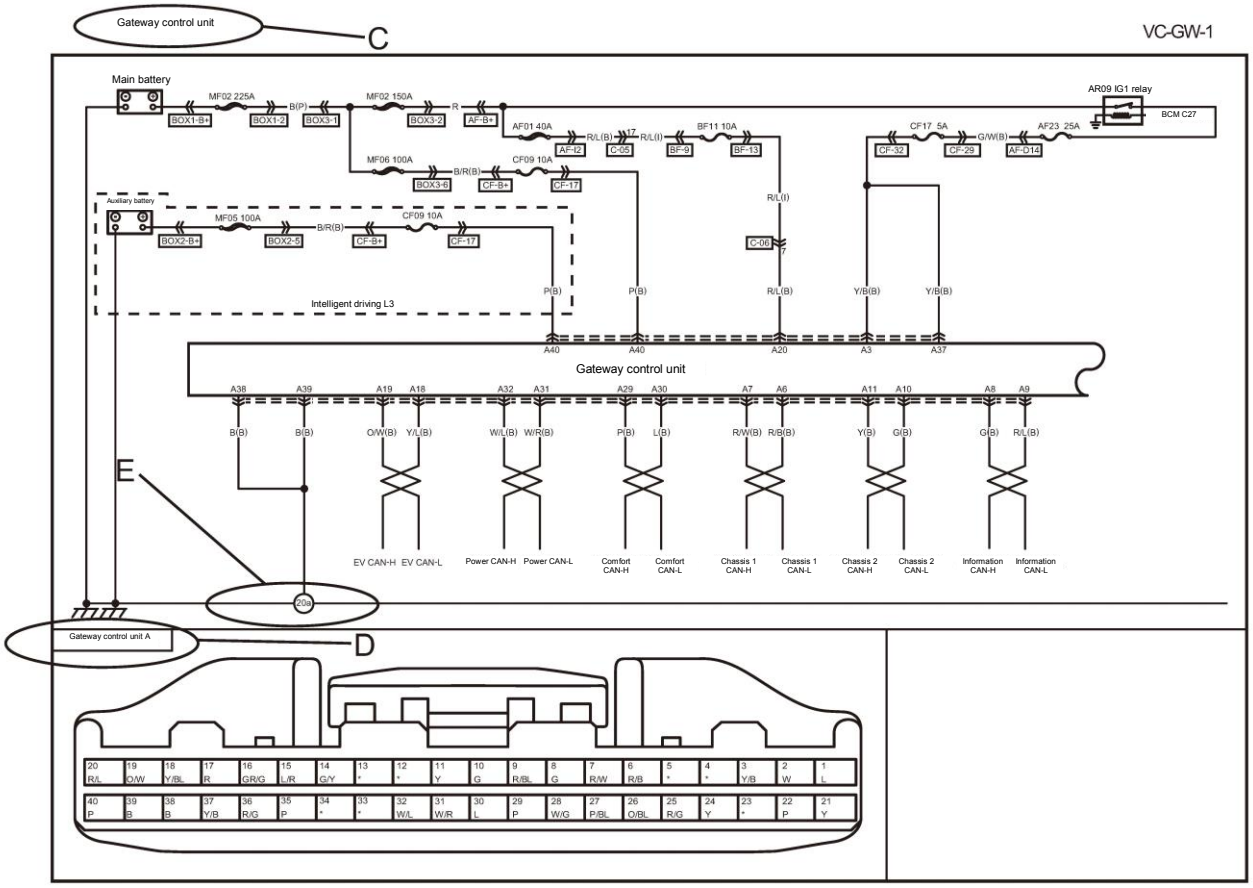
The number of grounding points in system diagram is the same as that in the schematic diagram of grounding points.

[B]: “ ”All harness plugs in this manual are viewed in this direction (remove the plug from the electrical component when facing the harness plug), if no special instructions are provided in this manual.

System diagram/connection diagram

- These schematic diagrams indicate the circuits connecting from the power supply to the grounding in all systems. The power supply is at upper part, while the grounding point is at lower part. For the circuit shown in the diagram, the ignition switch is in off state.

  The following is an explanation of each point in the diagram.



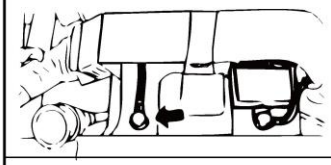
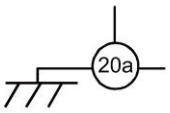
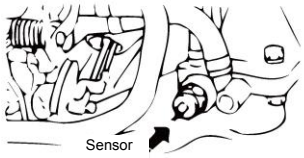
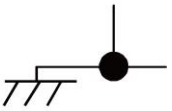
[C]: System

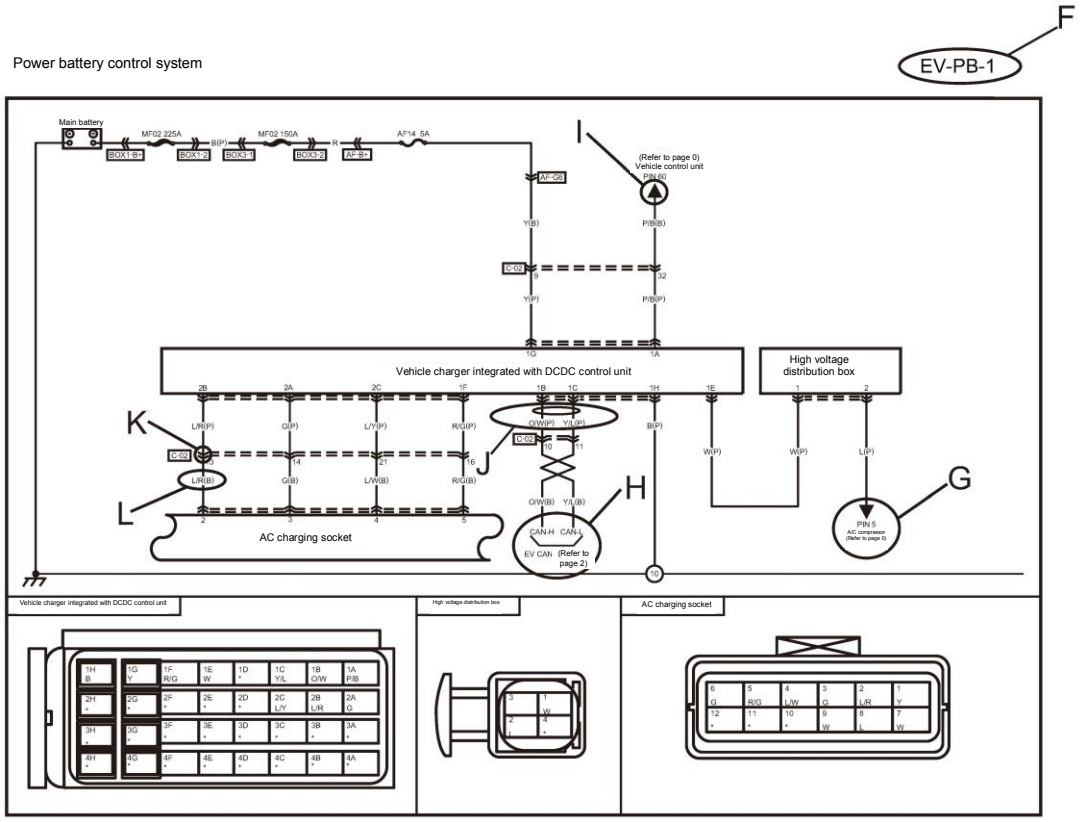
[D]: Name of connector

Example: Gateway ECU means the harness plug connected to the gateway control unit.

[E]: Number of groundings

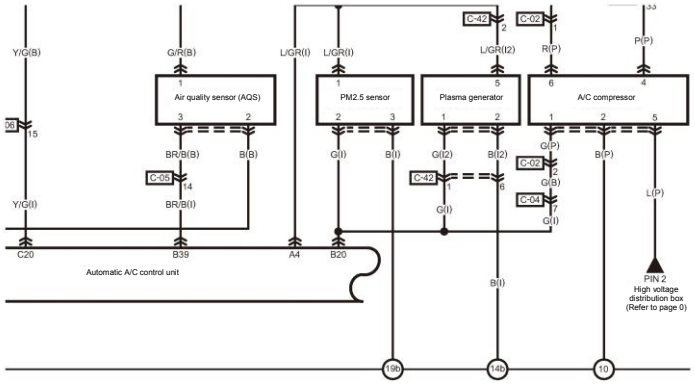
The grounding of electrical wiring is indicated in different ways with that of devices.

Types of grounding	Symbol
Electrical wiring 	
Device 	



[F]: System code

[G]: Indicate that the circuit extends to related system diagram.



[H]: Multi-channel communication

Communication with connected components. The information is transferred between connected components.

[I]: Symbol of current

The current flows in the direction indicated by the arrow.

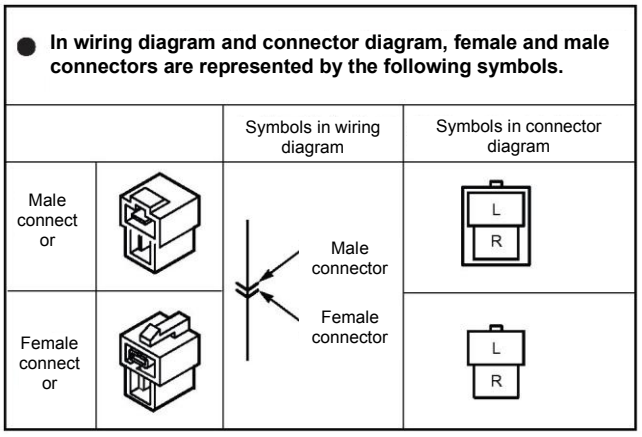
[J]: Shielded wire*

*Shielded cable:

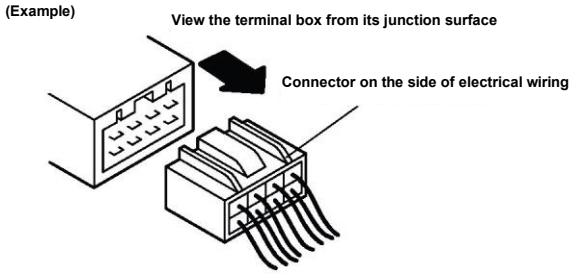
The wire is enclosed by metal mesh to prevent signal interference as a result of electrical noise interference, and it is used for grounding.

[K]: Symbol of connector

- In wiring diagram and connector diagram, female and male connectors are represented by the following symbols.



- The symbols indicating same connectors are connected by an en dash.
- The connector diagram indicates the connector on the side of electrical wiring. The terminal indicates the view on the side of electrical wiring.



- The color of connectors that are not in white is indicated in their locations.
- Unused terminals are indicated by *.

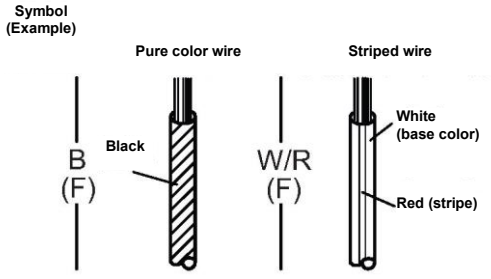
[L]: Two-color wire

- Two-color wires are represented by two-letter symbols.

  The first letter indicates the base color of the wire, and the second one indicates the color of the stripe.

  W/R represents a white wire with red stripes.

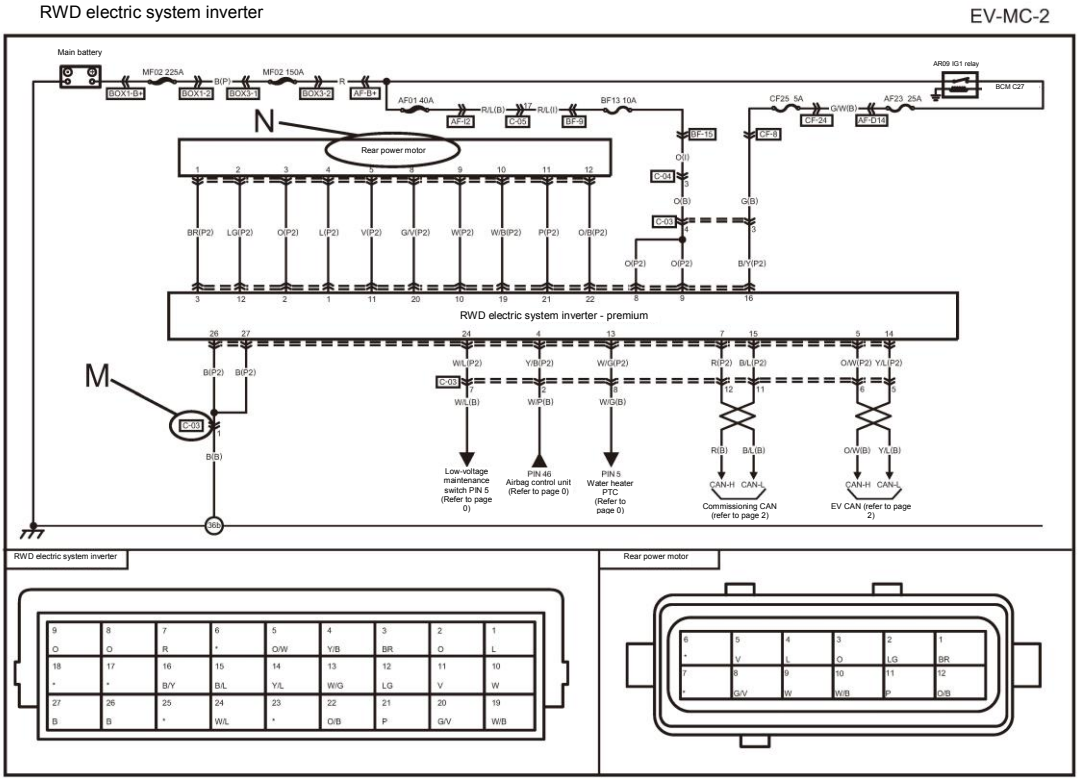
  BR/Y represents a brown wire with yellow stripes.



- According to specifications for electrical wiring symbols, the electrical wiring symbols are included in ().

Wiring diagram

- The wiring diagram indicates the location of the electrical components in system diagram by referring to the symbols of a certain circuit and connector.



[M]: Symbol of connector indicates the system using connectors.

(Example)

Connector	Symbol
Common connectors	C-03
System connector	——

[N]: Component name

It shows the name of the component in the diagram.

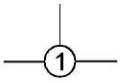
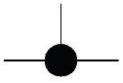
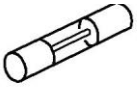
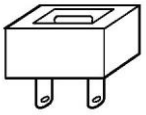
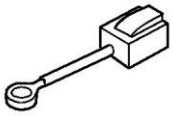
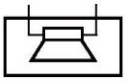
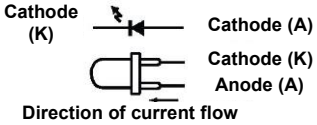
Harness symbol

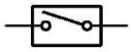
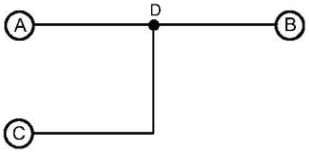
Name of electrical wiring	Symbol	Name of electrical wiring	Symbol
Body harness assembly	(B)	Driver seat cushion harness assembly	(Z1)
Body transition harness assembly	(B2)	Front passenger seat cushion harness assembly	(Z2)
Front powertrain harness assembly	(P)	Driver seat backrest harness assembly	(K1)
Rear powertrain harness assembly	(P2)	Front passenger seat backrest harness assembly	(K2)
Instrument panel harness assembly	(I)	Driver seat air bag harness assembly	(S1)
Instrument panel transition harness assembly	(I2)	Front passenger seat air bag harness assembly	(S2)
Front grille harness assembly	(G)	Rear left seat cushion harness assembly	(Z3)
Front bumper harness assembly	(FF)	Rear right seat cushion harness assembly	(Z4)
Rear bumper harness assembly	(RR)	Rear left seat backrest harness assembly	(K3)
Left front door harness assembly	(DR1)	Rear right seat backrest harness assembly	(K4)
Right front door harness assembly	(DR2)	Rear left seat airbag harness assembly	(S3)
Left rear door harness assembly	(DR3)	Rear right seat airbag harness assembly	(S4)
Right rear door harness assembly	(DR4)	3rd row left seat backrest harness assembly	(K5)
Left front wheel harness assembly	(W1)	3rd row right seat backrest harness assembly	(K6)
Left rear wheel harness assembly	(W2)	PLG harness assembly	(R)
Right rear wheel harness assembly	(W3)	PLG transition harness assembly	(R2)
Rear left wheel transition harness assembly	(W4)	License plate transition harness assembly	(R3)
Rear right wheel transition harness assembly	(W5)	—	—

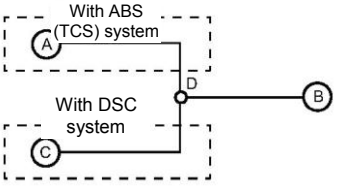
Wiring color code

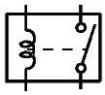
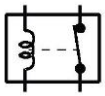
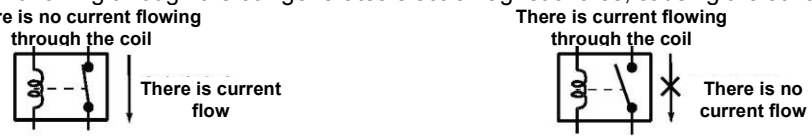
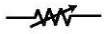
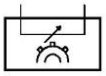
Color	Code	Color	Code
Black	B	Orange	O
Blue	L	Pink	P
Brown	BR	Red	R
Gray	GR	Purple	V
Green	G	White	W
Yellow	Y	Light green	LG

Common symbols for vehicle circuits

<table>
<tr><th>Symbol</th><th>Meaning</th><th>Symbol</th><th>Meaning</th></tr>
<tr><td>Battery
  </td><td>• Generate electric current through chemical reaction
• Provide direct current to circuit (1)</td><td>Lamp
 
  </td><td>• It glows and generates heat when current flows through the filament.</td></tr>
<tr><td>Grounding (1)
  </td><td rowspan="3">• If current flows from the positive electrode to the negative electrode of the battery, the connection between the connecting point and the body or other grounding wire is as follows.
• Grounding (1) indicates that the grounding point is connected to the grounding body through the harness.
• Grounding (2) indicates that the grounding point (i.e., the component) is directly connected to the grounding body.
• Grounding (3) indicates that the wire is connected to the grounding body.
Remark:
• If the grounding is faulty, the current will be unable to flow in a loop.</td><td>Resistor
</td><td>• Resistor with constant resistance.
• It protects the electrical components in the circuit by maintaining the rated voltage.</td></tr>
<tr><td>Grounding (2)
  </td><td>Electric motor
  </td><td>• Convert electrical energy into mechanical energy.</td></tr>
<tr><td>Grounding (3)
  </td><td>Pump
  </td><td>• Machinery that sucks and discharges fluids.</td></tr>
<tr><td>Fuse
</td><td rowspan="2">• When the current exceeds the current specified by the circuit, the fuse will blow.
Remark:
• It is not allowed to use a fuse with a capacity exceeding the specified capacity for replacement.
<Blade fuse> <Cartridge fuse>
  
<Box fuse> <Fusible connection>
   </td><td>Cigar lighter
  </td><td>• Resistive coils that generate heat.</td></tr>
<tr><td>Fuse (suitable for high-current fuse) fusible connection
</td><td>Accessory socket
  </td><td>• Internal power supply</td></tr>
<tr><td>Heater
  </td><td>• Heat is generated when current flows through it.</td><td>Horn
 
Speaker
  </td><td>• It makes a sound when there is an electric current.</td></tr>
<tr><td>Light-emitting diode (LED)
  </td><td>• When current flows, the diode can emit light
 
Cathode (K) Cathode (A)
Cathode (K)
Anode (A)
Direction of current flow</td><td></td><td></td></tr>
</table>

<table>
<tr><th>Symbol</th><th>Meaning</th><th>Symbol</th><th>Meaning</th></tr>
<tr><td>Switch (1)
 
Disconnected (OFF)</td><td rowspan="2">• By opening or closing the switch, the current is interrupted or allowed to flow through the circuit.</td><td rowspan="2">Electrical wiring
Connection
If circuit C-D is connected to circuit A-B, the connecting point D can be represented by a black dot.
Selection
White dots are used to indicate the redirection point D of different circuits based on the equipment of the vehicle.</td><td rowspan="2"> 

For vehicles equipped with ABS (TCS) system, A-B circuit is used.
 

For vehicles equipped with DSC system, C-B circuit is used.</td></tr>
<tr><td>Switch (2)
 
Closed (ON)</td></tr>
<tr><td>Automatic cut-off switch
  </td><td>• If certain conditions are met, the circuit will be automatically disconnected.</td></tr>
<tr><td>Main relay (1)
 
Normally open (NO)</td><td colspan="3">• The current flowing through the coil generates electromagnetic force, causing the contacts to close.
 
</td></tr>
<tr><td>Main relay (2)
 
Normally closed (NC)</td><td colspan="3">• The current flowing through the coil generates electromagnetic force, causing the contacts to open.
 
</td></tr>
<tr><td>Sensor (1)
  </td><td>• It detects certain characteristics including the degree of vacuum and the air flow in intake manifold based on changes in impedance.</td><td>Sensor (4)
  </td><td>• It detects pulse signals from rotating objects.</td></tr>
<tr><td>Sensor (2)
  </td><td>• It detects changes in impedance based on the operation of other components.</td><td>Sensor (5)
  </td><td>• A potential difference is generated when there is tension or pressure.</td></tr>
<tr><td>Sensor (3)
  </td><td>• A resistor whose impedance changes with temperature.
• When temperature rises, the impedance decreases.</td><td></td><td></td></tr>
</table>

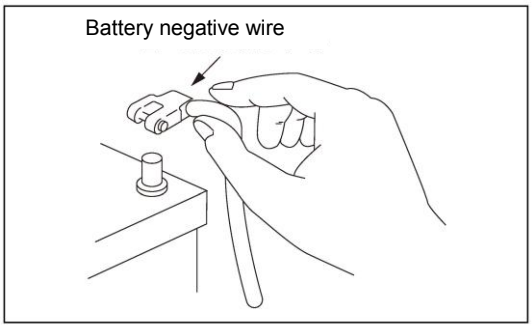
Abbreviations used in this manual

A	Ampere
A/C	Air conditioner
ABS	Anti-lock braking system (ABS)
ACC	Adaptive cruise control
ACU	Airbag control unit
AMP	Amplifier
ANT	Antenna
B+	Battery positive voltage
BCM	Body controller
CAN	Controller area network
CM	Control module
CONT	Control
DEF	Defroster
DLC	Data link connector
DTC	Diagnostic trouble code (S)
DTM	Diagnosis test mode
ELR	Emergency locking retractor
EI	Electronic igniter
ELEC	Electricity
EPB	Electronic parking brake
EPS	Electric power steering
EHPS	Electro hydraulic power steering
ESP	Electronic stability program
F	Front
FM	Frequency modulation
GND	GND
H/D	Heater/defroster
HEAT	Heater
HI	High
HU	Hydraulic unit
IG	Ignition
ILLUMI	Illumination
INT	Intermittent
JB	Junction box
LCD	Liquid crystal display
LF	Left front
LH	Left hand
LCD	Liquid crystal display
LO	Low
LR	Left rear

M	Electric motor
MID	Middle
MIL	Malfunction indicator lamp
MIN	Minute
MPX	Multiplex
M	Electric motor
MID	Middle
MIL	Malfunction indicator lamp
MIN	Minute
MPX	Multiplex
M	Electric motor
N	Neutral
NC	Normal close
NO	Normal open
OBD	On-board diagnostics
OFF	Off
ON	On
PSP	Power steering pressure
PWM	Pulse-width modulation
P	Power
P/S	Power steering
PCM	Powertrain control module
PJB	Passenger junction box
R	Rear
RF	Right front
RH	Right hand
RPM	Revolutions per minute
RR	Right rear
SECTION	Section
ST	Starter
SW	Seat heater
TCS	Traction control system
TEMP	Temperature
V	Volt
VSS	Vehicle speed sensor
W	Watt

Indication of ignition switch working state

	AR14 IG2 relay	AR09 IG1 relay
Ignition switch gear		
LOCK		
ACC	Continuity	
IG1	Continuity	Continuity
Engine ON	Continuity	Continuity

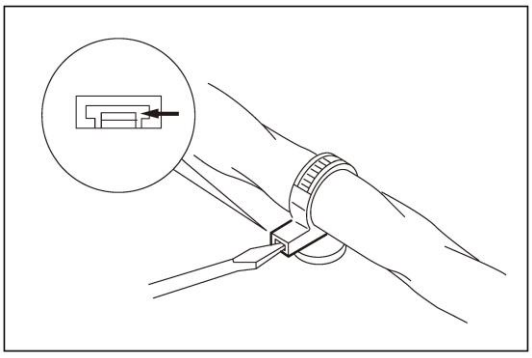


General procedures of electrical systems

Electrical parts

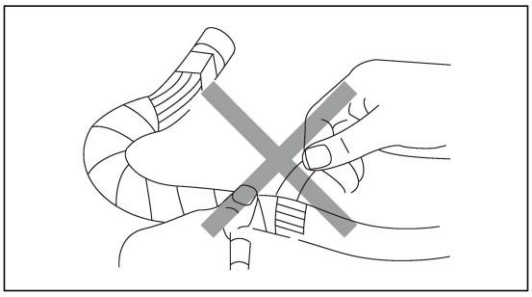
Battery negative wire

- Before disconnecting the connector or removing the electrical components, first disconnect the negative battery cable.



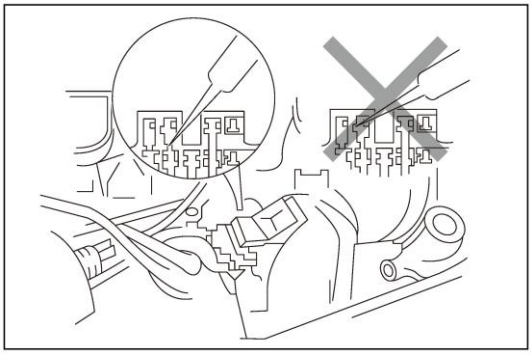
Harness

- For removing the harness from the clamp in the engine compartment, use a flat-head screwdriver to pry up the hook of the clamp.



Notice

- Do not remove the protective tape of the harness, otherwise, the harness will rub against the main part, which may cause water leakage and short circuit.



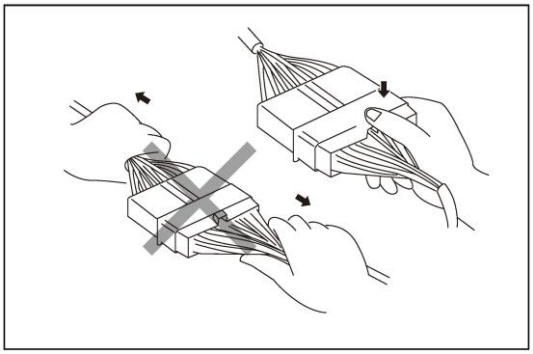
Connector

Data link connector

- When connecting the jumper cable to the DLC, insert the probe into the terminal.

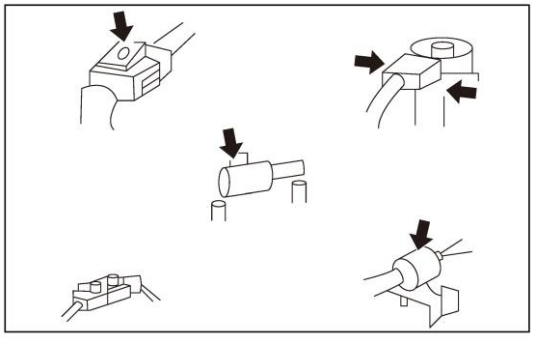
WARINING

- If the probe of the jumper cable is inserted into the DLC, the terminal may be damaged.

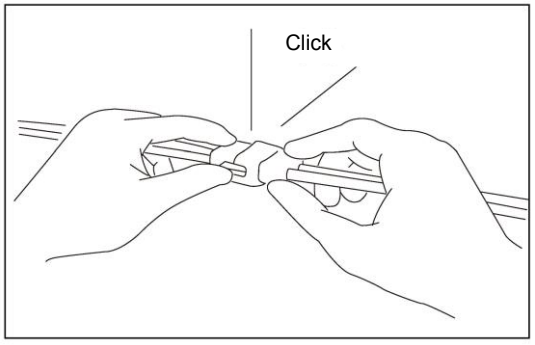


Disconnection of connector

- When disconnecting the connector, be sure to hold the connector instead of the cable.

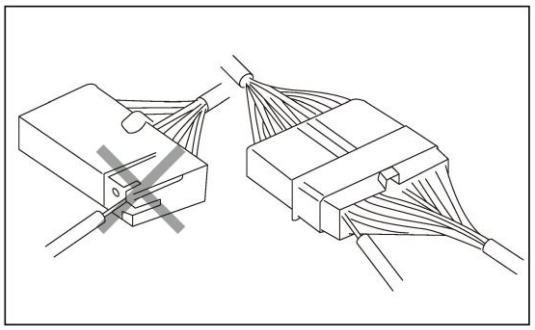


- As shown in the figure, disconnect the connector by pressing or pulling out the locking handle.



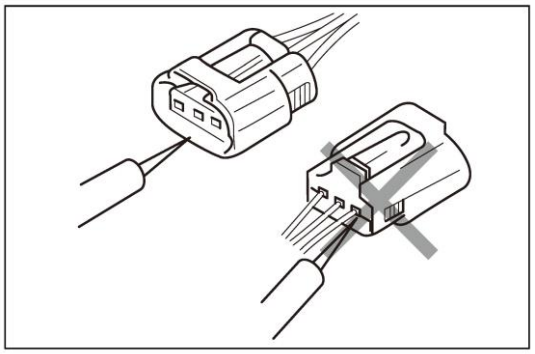
Connection of connector

- When connecting the connector, a click sound indicates that the connector has been locked.



Check

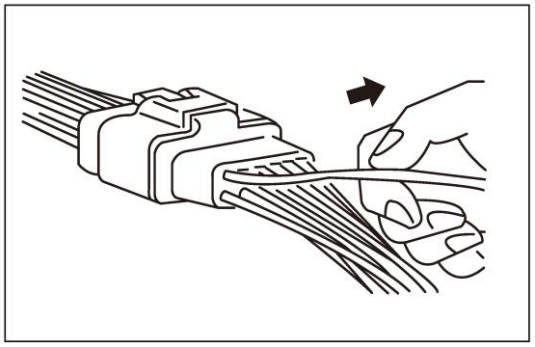
- When using the detector to check the continuity of the circuit or measure the voltage, insert the probe of the detector from the harness.



- For waterproof connectors, since the probe cannot insert into the harness, check the connector.

WARINING

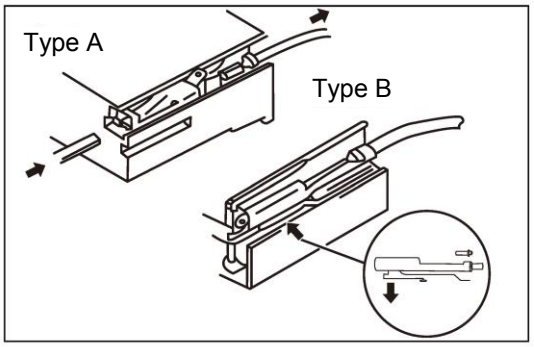
- In order to prevent damage to the terminal, before inserting into the terminal, wrap the detector probe with a thin wire.



Terminals

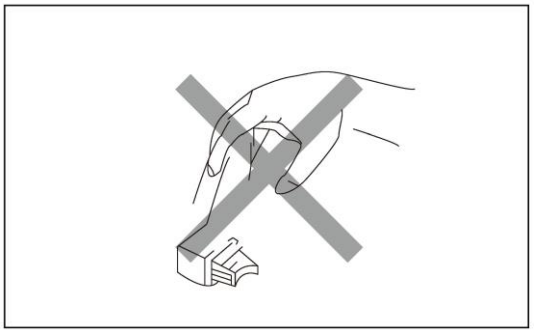
Check

- Pull each wire gently to check whether the wire is firmly fixed in the terminal.



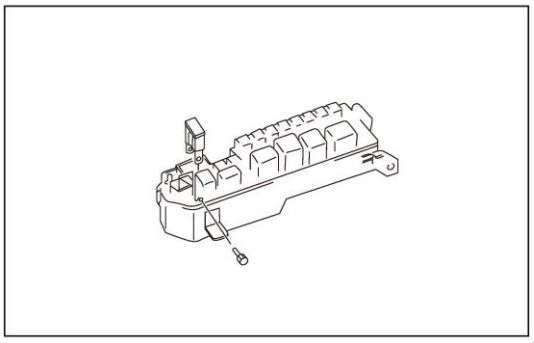
Replacement

- As shown in the figure, use a suitable tool to remove the terminal. When installing, be sure to insert the terminal until it is locked.
- Insert a thin metal piece from the connector terminal, and pull it out of the connector when the locking piece of the terminal is pressed down.



Sensor, switch and relay

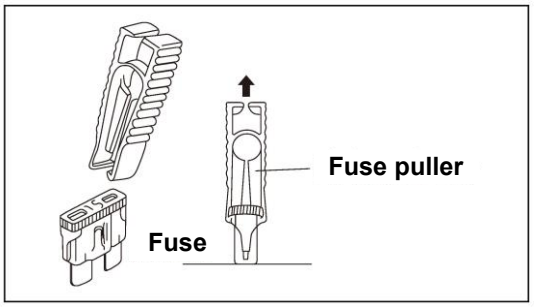
- Handle sensor, switch and relay carefully. Do not drop or hit with other objects.



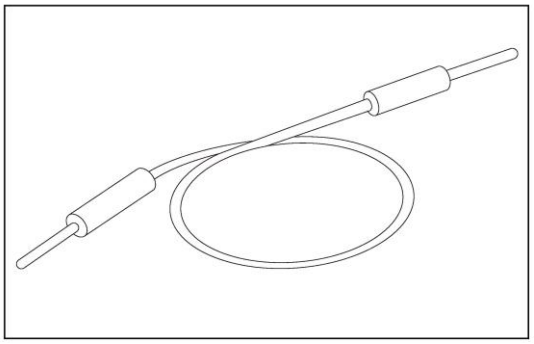
Fuse

Replacement

- When replacing the fuse, be sure to replace it with a fuse of the same capacity. If the fuse is blown again, the circuit may be shorted, so check the harness at this time.
- Before replacing the main fuse, make sure that the negative terminal of the battery cable is disconnected.



- When replacing the plug fuse, use a fuse puller.



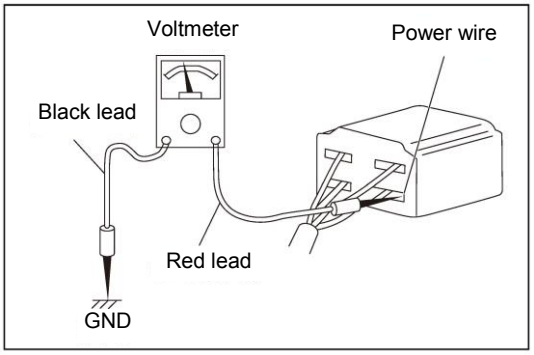
Electrical fault inspection tool

Jumper cable

- Jumper cables are used to form temporary circuits. Connect the jumper cable between the terminals of the circuit to bypass the switch.

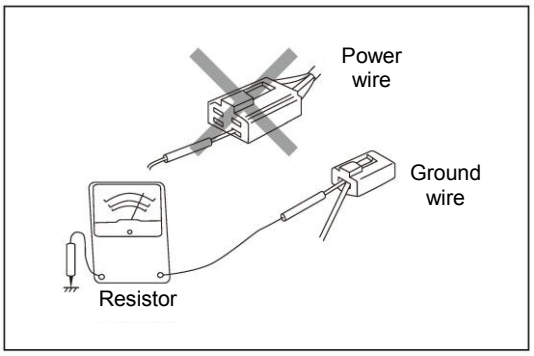
WARNING

- Do not connect the jumper cable from the power supply to the ground, otherwise it may cause the burn out of harness or electronic components or damage of other components.



Voltmeter

- DC voltmeter is used to measure the circuit voltage. Use a voltmeter with a range of 15V or greater, connect the positive (+) probe (red lead) to the voltage point to be measured, and then connect the negative (-) probe (black lead) to the ground.



Resistor

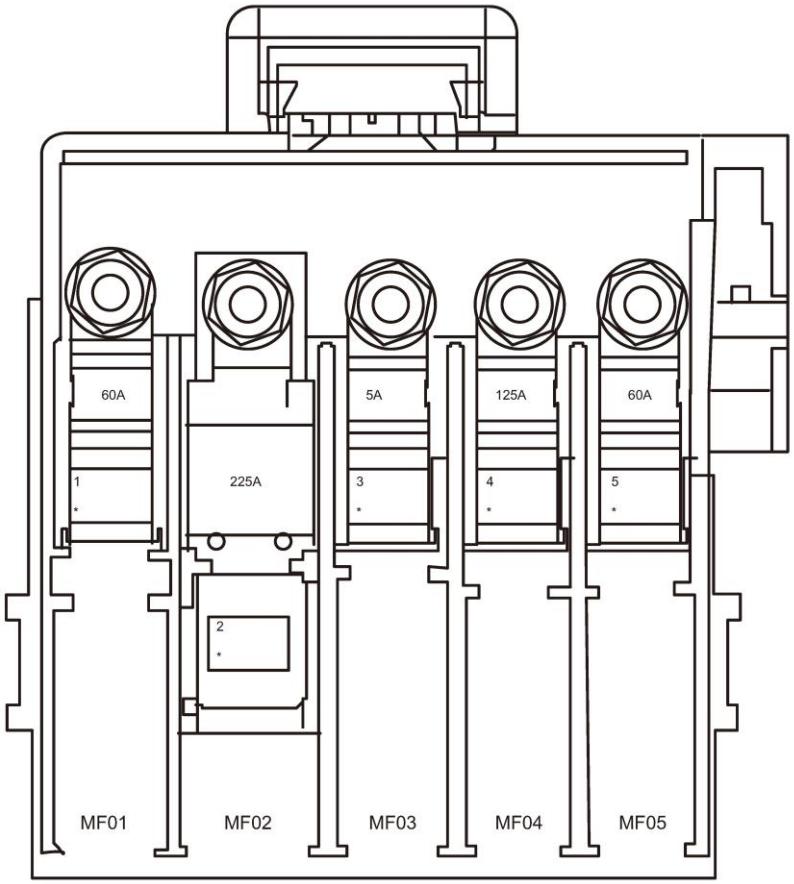
- The resistance meter is used to measure the resistance between two points in the circuit, thus checking the continuity and short-circuit of the circuit.

Notice

- Do not connect the resistance meter to any circuit that is loaded with voltage, as this will damage the resistance meter.

Fuse box

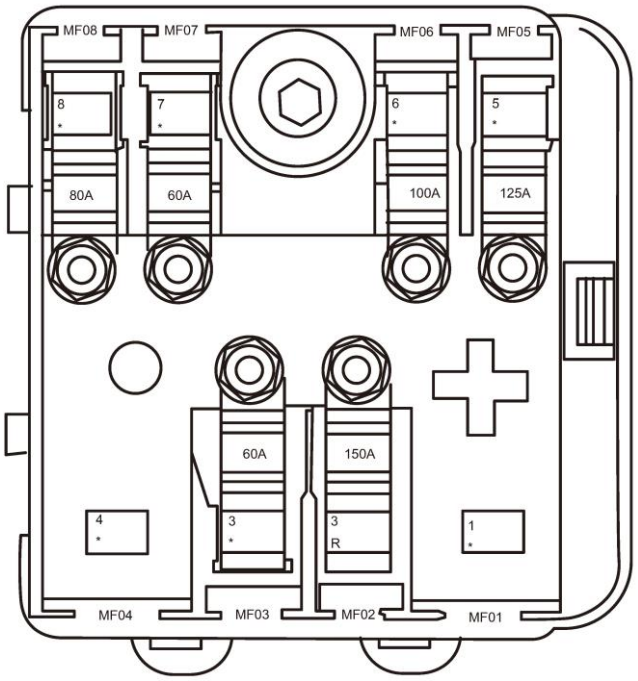
MF-main battery power distribution box (BOX1)



MF01	EPS1	60A	MF04	Battery connection relay	125A
MF02	Relay box	225A	MF05	Cooling fan	60A
MF03	Battery sensor	5A			

F Fuse Box

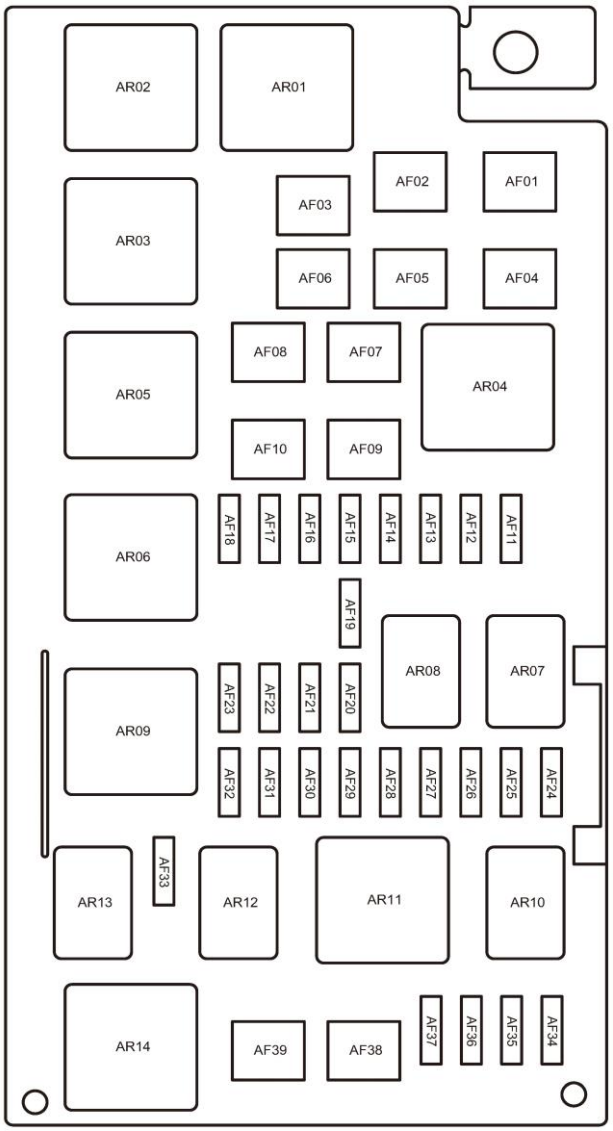
MF-transit power distribution box (BOX3)



MF01	Main battery power distribution box		MF06	Right front power distribution box	100A
MF02	Engine compartment main distribution box	150A	MF07	I-BOOSTER	60A
MF03	EPS2	60A	MF08	Left front distribution box	80A
MF04	DCDC				
MF05	Trunk distribution box	125A			

F Fuse Box

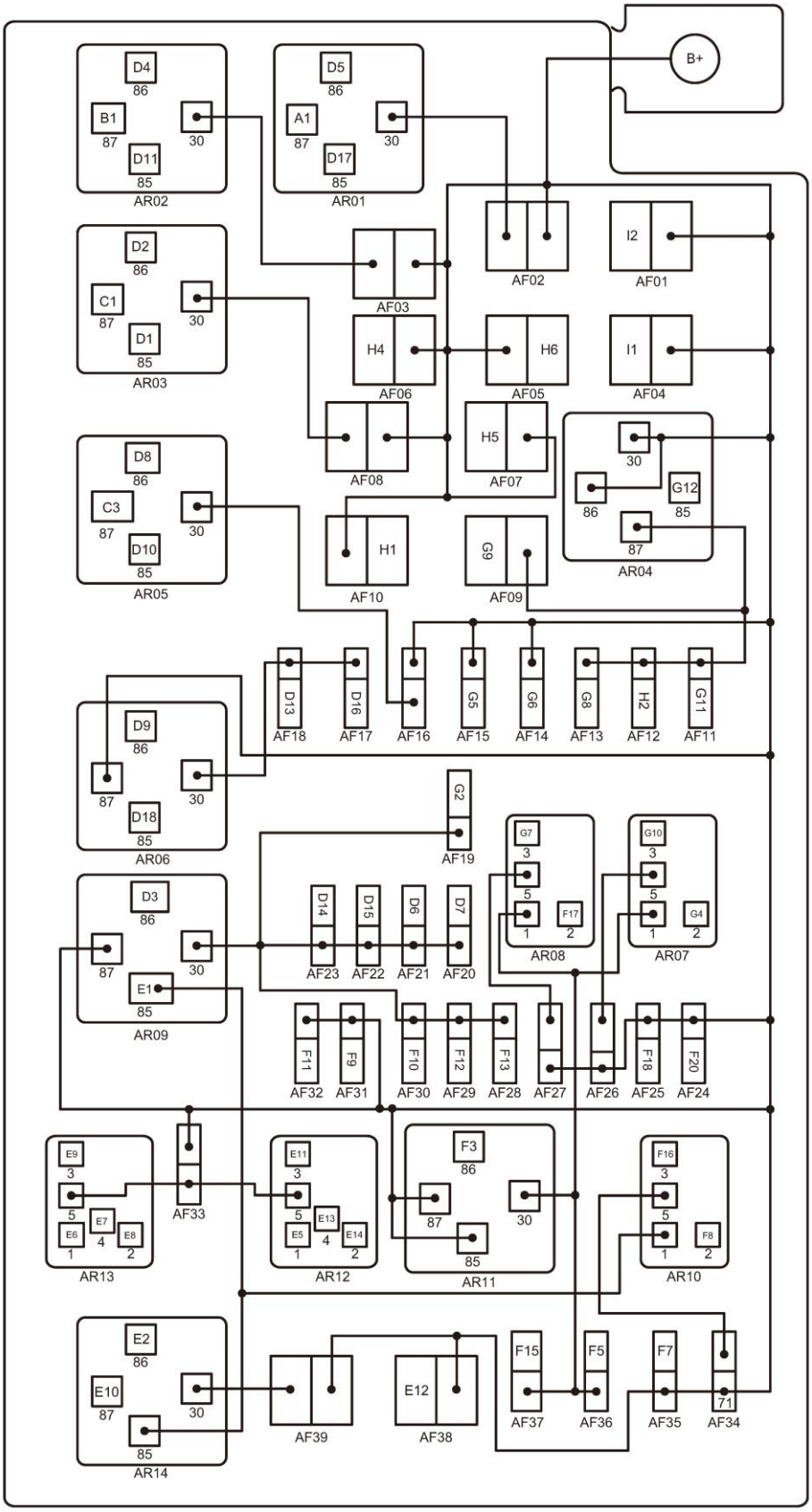
AF - Engine compartment distribution box



AF01	Left power distribution box	40A	AF19	EPS	5A	AF36	Cooling fan	5A
AF02	Reserved	40A	AF20	ESC	5A	AF37	HCU main relay power supply	10A
AF03	Reserved	30A	AF21	Front power motor controller	5A	AF38	Left front door control unit	30A
AF04	E-PARK controller	30A	AF22	BMS	5A	AF39	IG2	40A
AF05	Front wiper motor	30A	AF23	Right distribution box IG1	25A	AR01	Windshield heater relay	
AF06	Sunroof controller	20A	AF24	Left front door ambient lamp	10A	AR02	Reserved relay	
AF07	RLDCU	30A				AR03	Reserved relay	
AF08	Reserved	30A	AF25	Front power motor controller	10A	AR04	A/C relay	
AF09	A/C compressor	25A	AF26	Electronic water pump 1#	25A	AR05	Ambient lamp control unit	
AF10	Driver seat control unit Driver lumbar support adjustment switch	30A	AF27	Electronic water pump 2	25A	AR06	Reserved relay	
			AF28	Left distribution box IG1	15A	AR07	Electronic water pump 1 relay	
AF11	PTC /3rd row A/C panel	5A	AF29	Pedestrian alert system (PAS)/I-BOOST Forward millimeter wave radar	5A	AR08	Electronic water pump 2 relay	
AF12	Electric water pump	10A				AR09	IG1 relay	
AF13	A/C controller	5A	AF30	E-PRAK controller	5A	AR10	Horn relay	
			AF31	BMS	10A	AR11	HCU main relay	
AF14	Integrated On-board charger (OBC) DCDC	5A	AF32	3-way water valve/active grille shutter (AGS) Washer motor relay	5A	AR12	Washer motor relay	
AF15	HCU	5A				AR13	Washer motor relay	
AF16	Footwell lamp (ambient lamp-base)	10A	AF33	Washer motor	15A	AR14	IG2 relay	
AF17	Reserved		AF34	Horn relay	20A			
AF18	Reserved		AF35	E-PRAK controller	5A			

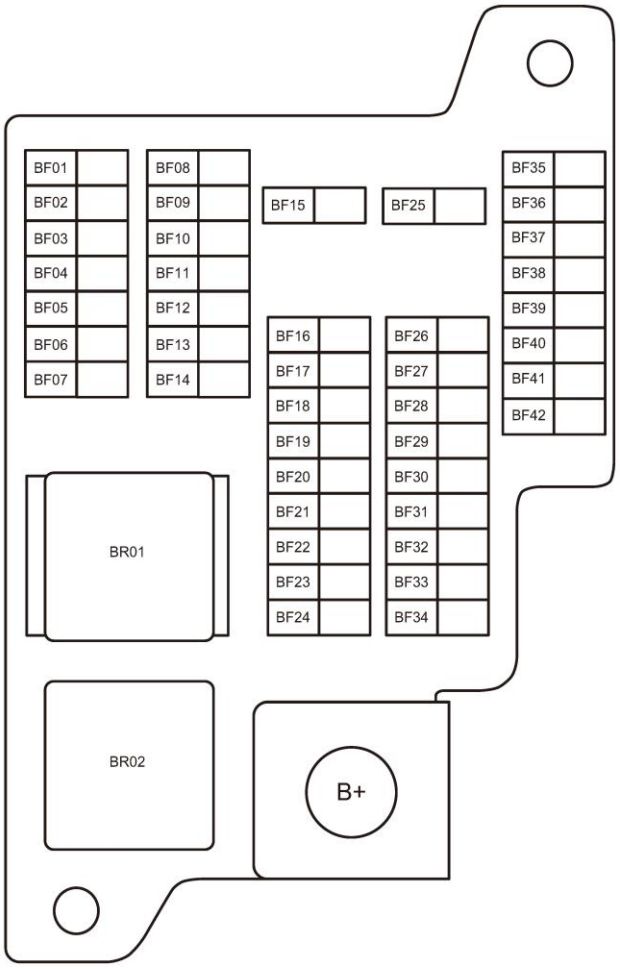
F Fuse Box

AF - Engine compartment left distribution box



Fuse box

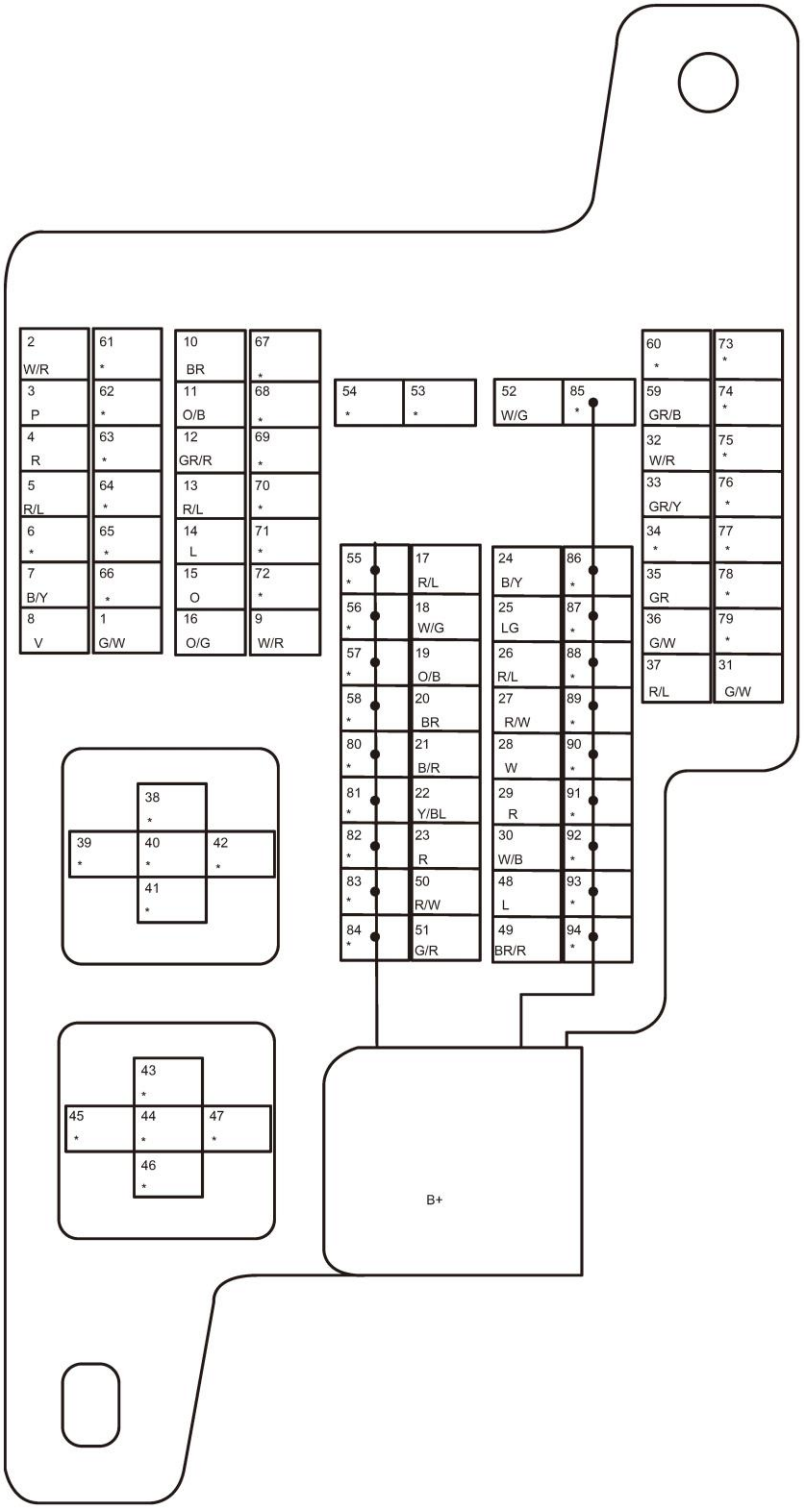
BF-instrument panel (IP) left power distribution box assembly



BF01	BCM/DVR	10A	BF15	Reserved		BF30	Low pressure solenoid valve/HVAC harness	10A
BF02	USB module	5A	BF16	Driver seat cushion fan/HD-MAP Driver seat backrest fan/left rear footwell lamp	10A	BF31	Front IVI	15A
BF03	Front row backup power	15A				BF32	Instrument screen	5A
BF04	Right front seat lumbar support massage Right rear seat massage	10A	BF17	Brake switch	5A	BF33	Middle screen/console screen	10A
			BF18	Electronic shift controller	5A	BF34	Driver status monitor (DSM) /IFC DVR Rain and light sensor	10A
BF05	Trailer identification controller	30A	BF19	Seat climate controller Front passenger seat lumbar support adjustment switch	25A			
BF06	Dual-port USB/Single-port USB	5A						
BF07	Left front seat lumbar support massage Left rear seat lumbar support massage	10A	BF20	Steering column controller/ EPB switch Left console ambient lamp Right console ambient lamp	5A	BF35	Reserved	
						BF36	Front IVI	5A
BF08	Seat climate controller	10A				BF37	BCM/combination switch/clock spring	5A
BF09	BCM	15A	BF21	BCM/RF controller	10A	BF38	Driving mode controller Rear IVI/interior rearview mirror	5A
BF10	Combination switch/left front footwell lamp Right front footwell lamp	5A	BF22	Left front combination light	10A			
			BF23	Steering column controller	20A	BF39	Reserved	
BF11	Gateway control unit (GCU)/DLC	10A	BF24	A/C controller	10A	BF40	HD-MAP/DSM/IFC	5A
BF12	Left rear seat cushion/backrest fan Right rear seat cushion/backrest fan	10A	BF25	Front blower	30A	BF41	Steering column controller Steering angle sensor (SAS)	5A
			BF26	BCM (rear wiper, glove box lock)	15A			
BF13	Rear power motor	10A	BF27	A/C panel controller	10A	BF42	HOD	10A
BF14	Left exterior rearview mirror/ single-port USB1 Single-port USB2/Central IP ambient lamp 2nd row center armrest ambient lamp	10A	BF28	ADV	5A	BR01	Reserved relay	
			BF29	BCM (Trunk lamp, battery connection relay)	10A	BR02	Reserved relay	

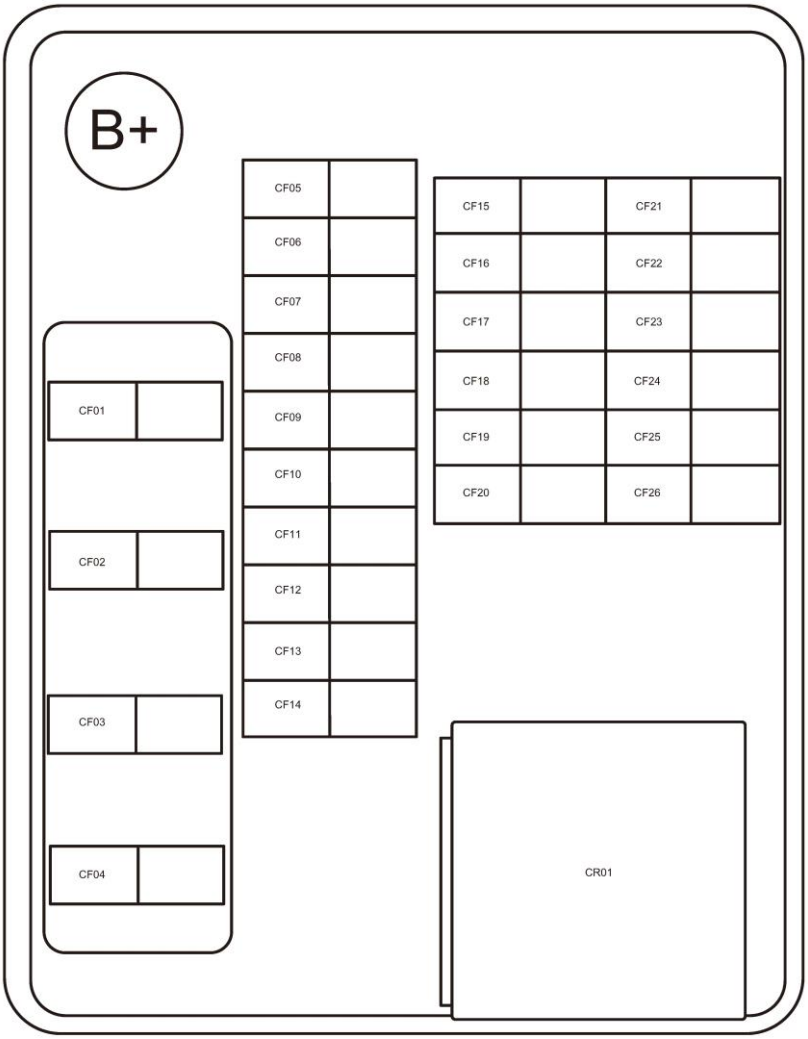
Fuse box

BF-instrument panel (IP) left power distribution box assembly



Fuse box

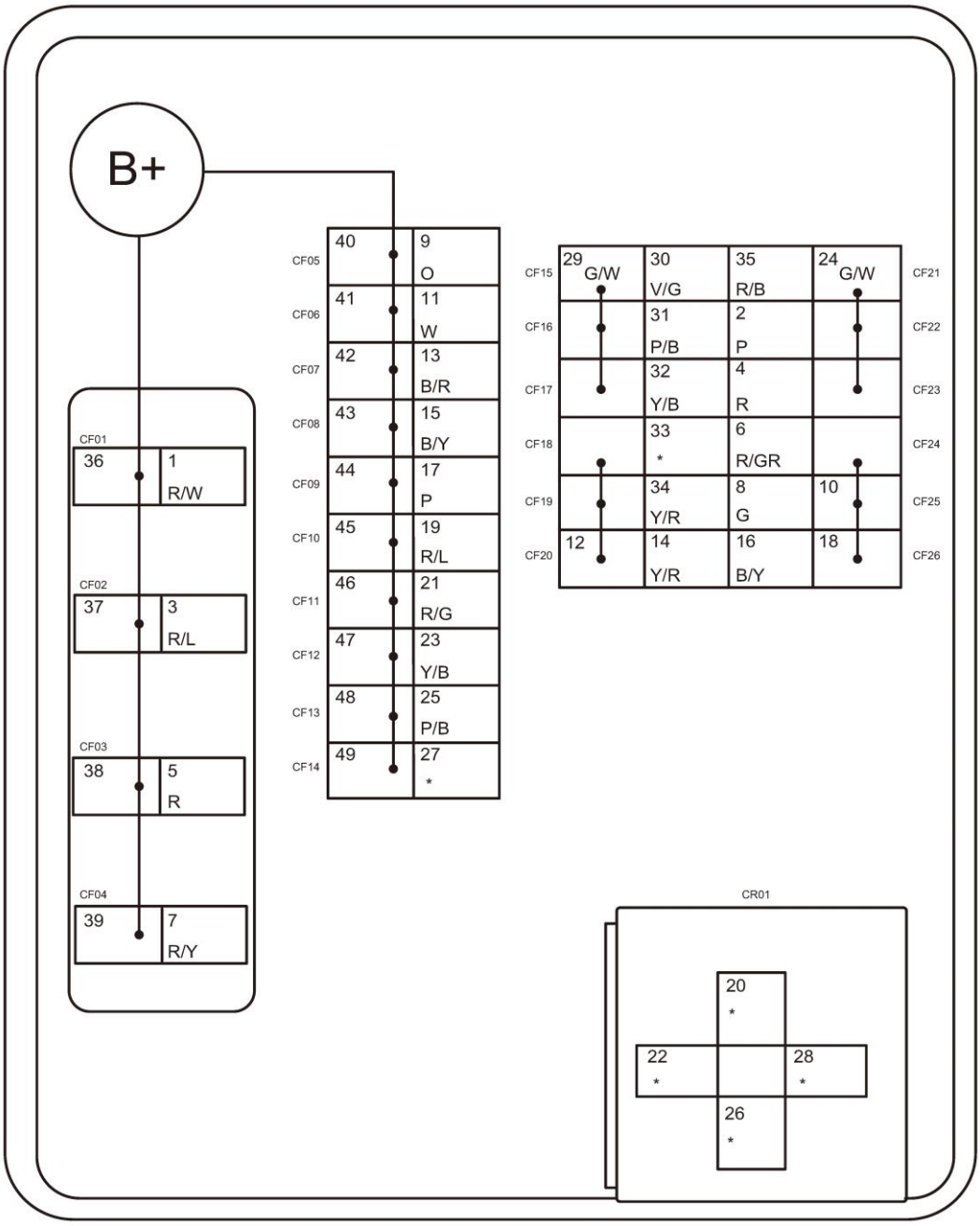
CF-right A-pillar power distribution box assembly



CF01	Right rear DCU	30A	CF10	Right rear footwell lamp Right front seat backrest fan Right front seat cushion fan/right rear door ambient lamp/wireless charging	10A	CF19	Shifter	5A
CF02	RRDCU Seat climate controller	30A				CF20	Around view monitor (AVM)	10A
						CF21	A/C panel control unit/rear seat central console panel switch intelligent antenna	5A
CF03	ESC	40A	CF11	ADV/HAD	5A			
CF04	ESC	40A	CF12	Front row wireless charging/HD-MAP	10A	CF22	2nd row backup power supply	15A
CF05	Front lighting controller	20A				CF23	Airbag	10A
CF06	Front lighting controller	20A	CF13	Right front combination lamp	15A	CF24	Parking sensor controller/inverter	5A
CF07	Front lighting controller Right front door ambient lamp/center footwell lamp	10A	CF14	Reserved		CF25	Rear power motor	5A
			CF15	ADV/HAD	5A	CF26	AirS control unit Intelligent rear view camera Charging controller	5A
CF08	Around view monitor (AVM)	5A	CF16	HCU	5A			
			CF17	Gateway	5A			
CF09	Gateway	10A	CF18	Reserved	5A			

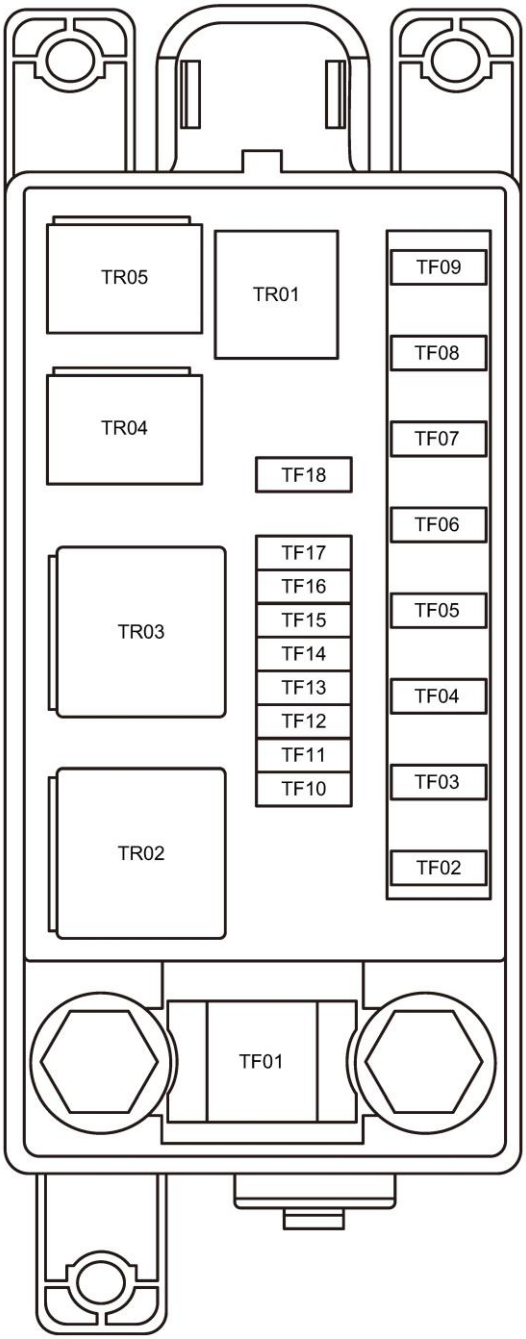
Fuse box

CF - Body right distribution box



Fuse box

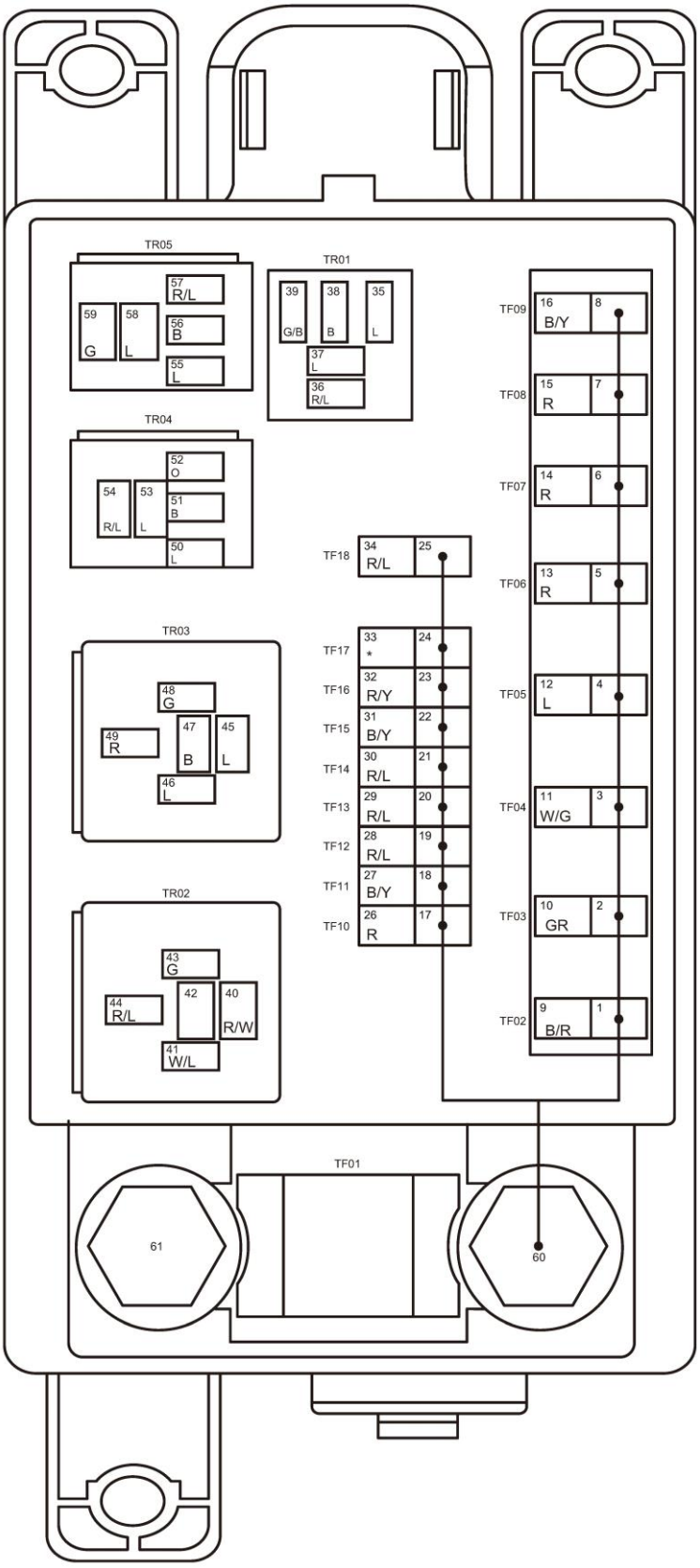
TF - Trunk distribution box



TF01	Trailer controller	30A	TF11	Left rear millimeter wave radar Right rear millimeter wave radar Charging controller	5A	TF16	DC charging socket indicator Left C-pillar charging indicator ambient lamp Right C-pillar charging indicator ambient lamp DC charging port motor	10A
TF02	Right front seat controller	30A						
TF03	AirS control unit	25A						
TF04	Left rear seat adjustment switch Right rear seat adjustment switch	30A	TF12	Trailer identification controller	10A			
			TF13	Rear lighting controller Trailer identification controller	10A	TF17	Trailer identification controller	30A
TF05	3rd row seat folding motor	25A				TF18	AirS control unit	40A
TF06	Trunk control unit	30A	TF14	Rear lighting controller Left rear door ambient lamp	15A	TR01	3rd row left seat motor 1 relay	
TF07	Power amplifier	30A				TR02	AirS relay	
TF08	Inverter	20A	TF15	Rear lighting controller	10A	TR03	3rd row right seat motor 2 relay	
TF09	Rear blower motor	30A				TR04	3rd row right seat motor 1 relay	
TF10	Trailer identification controller	15A				TR05	3rd row left seat motor 2 relay	

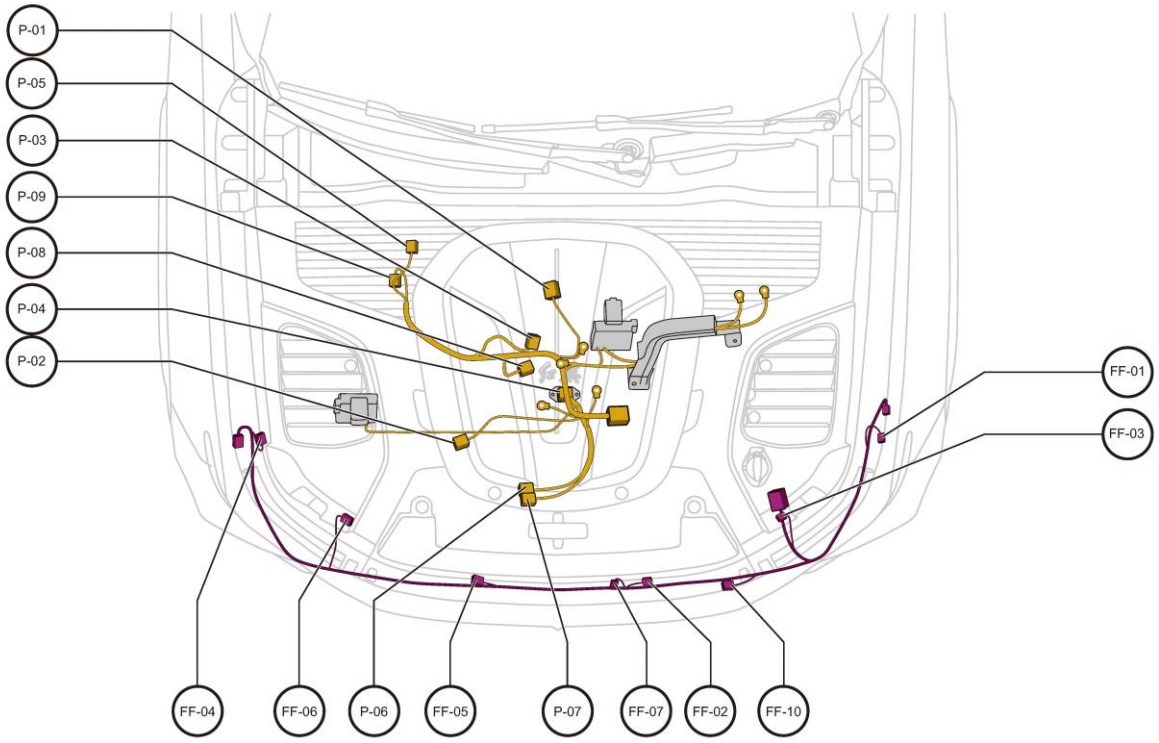
Fuse box

TF - Trunk distribution box



W Wiring Diagram

Location of parts in engine

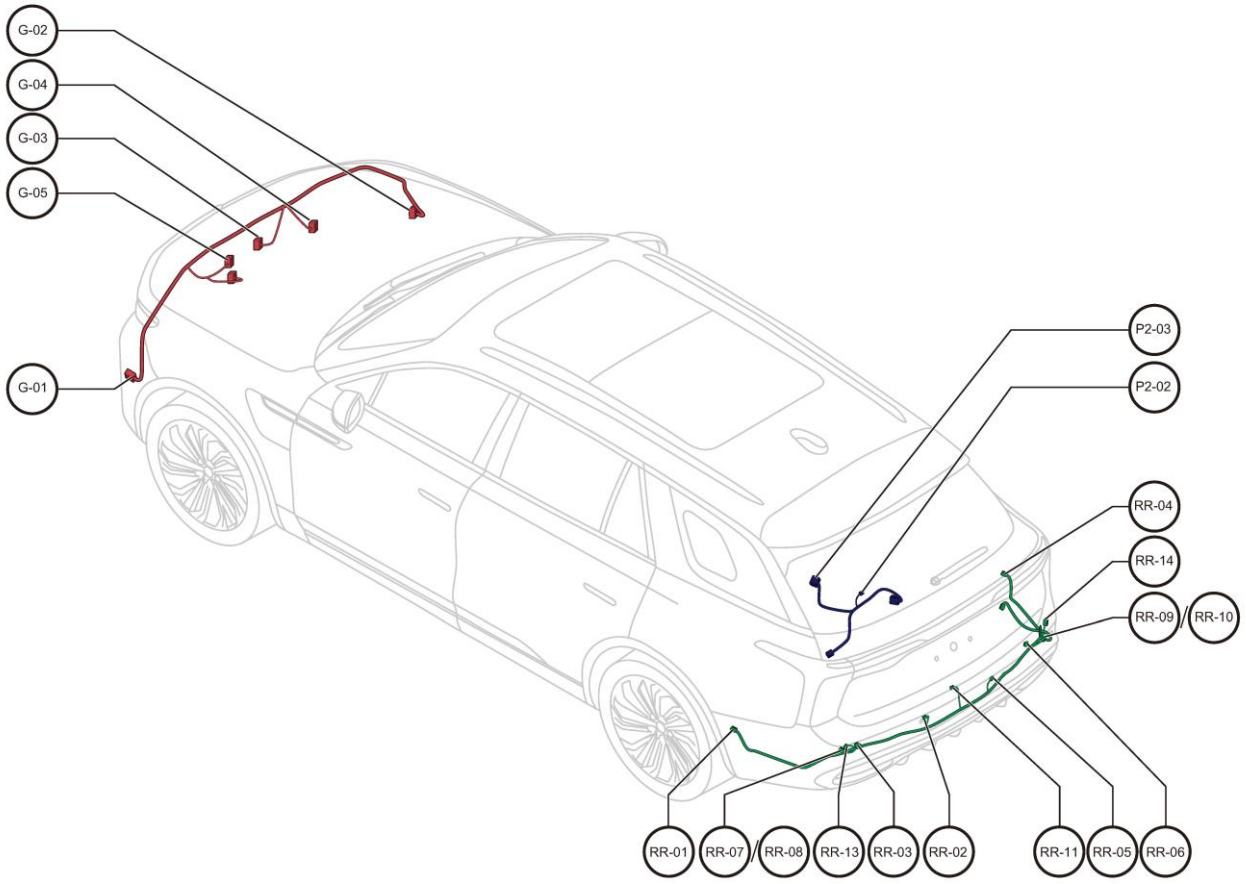


P-01 E-PARK motor (parking actuator)
P-02 Electric water pump A
P-03 E-PARK motor (parking actuator)
P-04 Front drive power drive system inverter FMCU
P-05 High voltage distribution box
P-06 Electric power steering (EPS) control unit A
P-07 Electric power steering (EPS) control unit B
P-08 Integrated OBC DCDC control unit
P-09 E-PARK control unit

FF-01 Left front radar sensor
FF-02 Left front middle radar sensor
FF-03 Left front corner radar sensor
FF-04 Right front radar sensor
FF-05 Right front middle radar sensor
FF-06 Right front corner radar sensor
FF-07 Exterior temperature sensor
FF-10 Forward millimeter wave radar

Note: C-XX refers to common connector for the connection between harnesses.

Location of front grille-rear bumper-rear powertrain parts

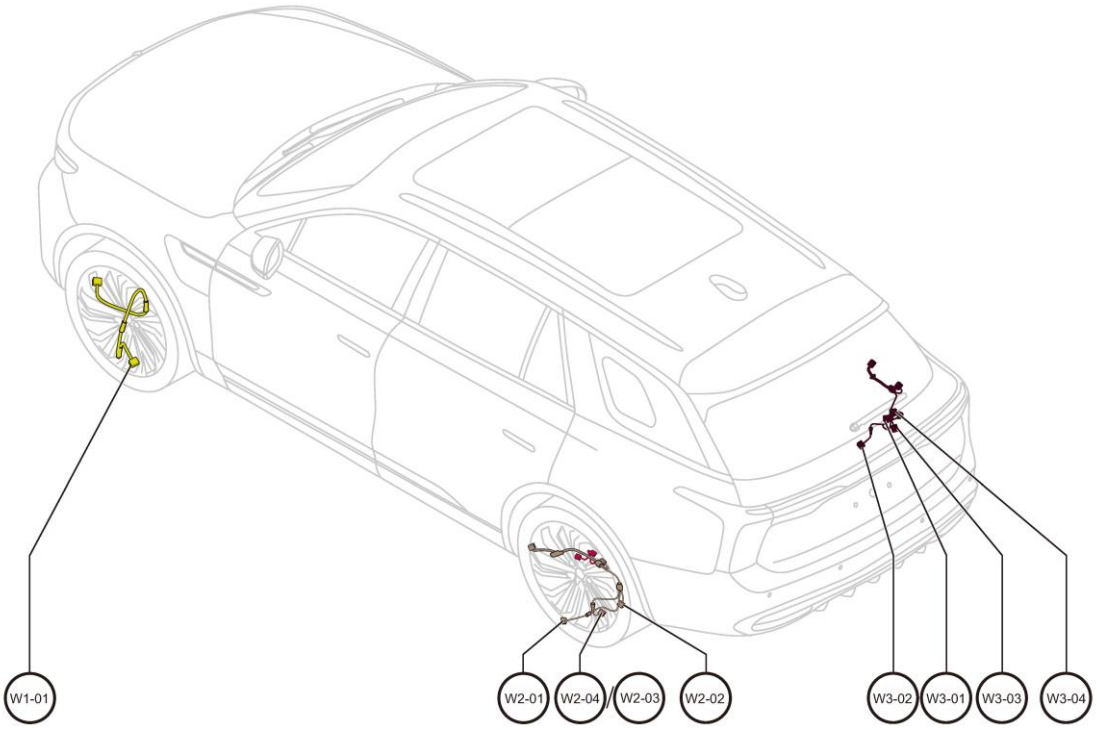


RR-01 Left rear radar sensor
RR-02 Left rear middle radar sensor
RR-03 Left rear corner radar sensor
RR-04 Right rear radar sensor
RR-05 Right rear middle radar sensor
RR-06 Right rear corner radar sensor
RR-07 Left rear combination lamp C (premium)
RR-08 Left rear combination lamp C (base)
RR-09 Right rear combination lamp C (premium)
RR-10 Right rear combination lamp C (base)
RR-11 Trunk outside antenna
RR-13 Left rear millimeter wave radar
RR-14 Right rear millimeter wave radar

G-01 Left front combination lamp A
G-02 Right front combination lamp A
G-03 Front Hongqi logo lamp
G-04 AGS control motor A
G-05 AGS control motor B
P2-01 Rear power motor (245KW)
P2-02 Rear drive power drive system FMCU (160KW)
P2-03 Rear drive power drive system RMCU (245KW)

Note: C-XX refers to common connector for the connection between harnesses.

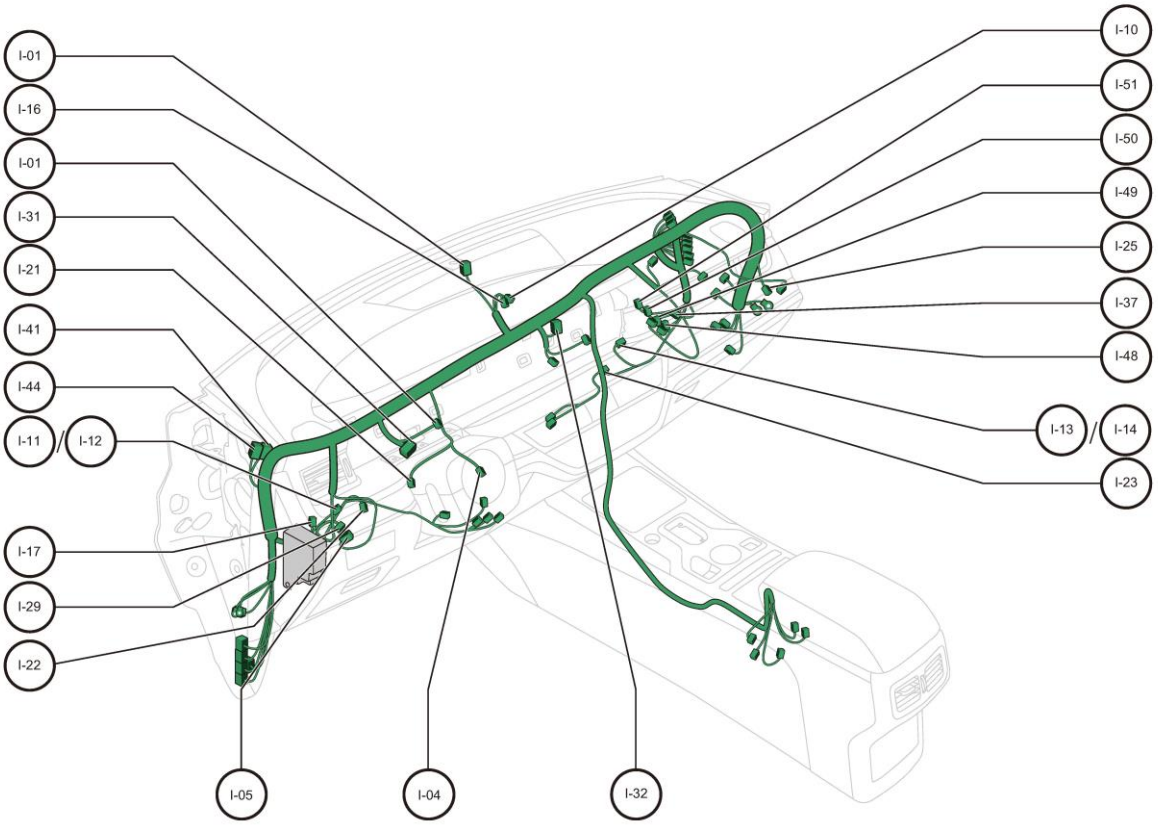
Location of parts for wheel speed



W1-01 Left front brake shoe alarm switch
W2-01 Left rear brake caliper
W2-02 Left rear wheel speed sensor
W2-03 Left rear body height sensor
W2-04 Rear height sensor
W3-01 Right rear brake shoe alarm switch
W3-02 Right rear brake caliper
W3-03 Right rear wheel speed sensor
W3-04 Right rear body height sensor

Note: C-XX refers to common connector for the connection between harnesses.

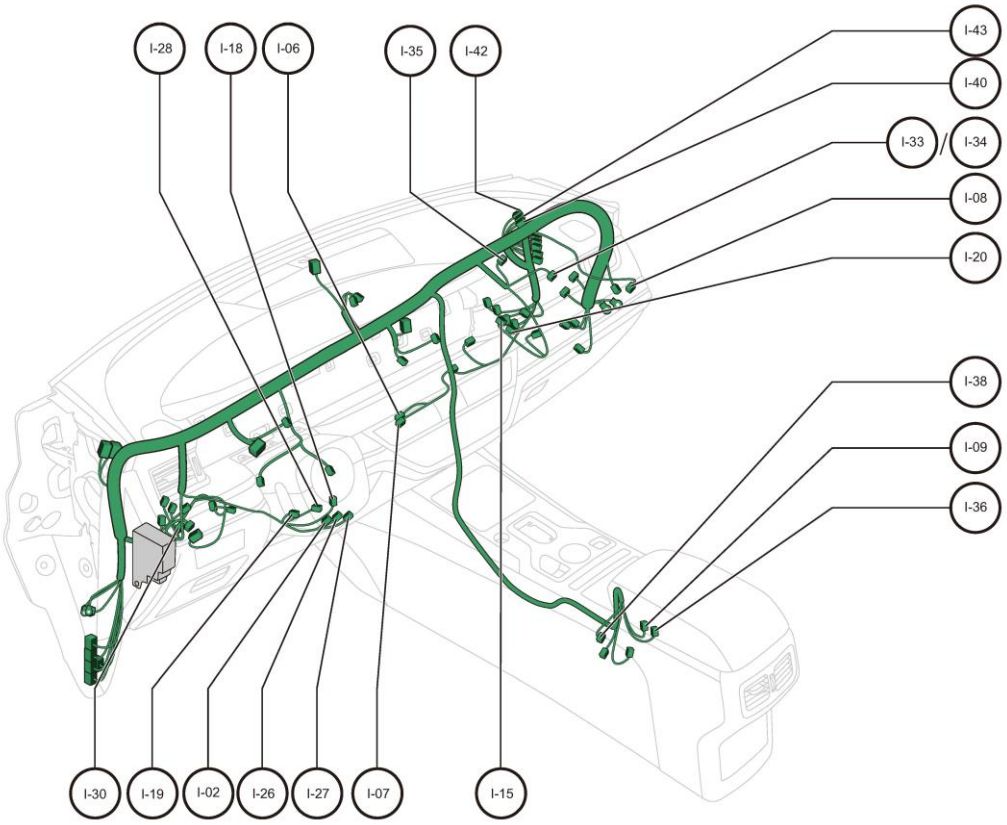
Location of parts in the instrument panel



I-01 Sunlight sensor
I-04 Interior temperature sensor
I-05 IP air outlet LED lamp-A
I-10 Center IP ambient lamp assembly
I-11 Left front footwell lamp (base)
I-12 Left front footwell lamp (premium)
I-13 Right front footwell lamp (base)
I-14 Right front footwell lamp (premium)
I-17 Brake switch
I-16 Center squawker and tweeter
I-21 Steering column tilt motor
I-22 Steering column telescopic motor
I-23 Front blower motor
I-25 Damper
I-29 Standard OBD DLC
I-31 Main display (3 screens)-A
I-32 Main display (3 screens)-B
I-37 HVAC harness
I-41 Power adjustable steering column control unit - A
I-44 Power adjustable steering column control unit - B
I-48 Automatic A/C control unit A
I-49 Automatic A/C control unit B
I-50 Automatic A/C control unit C
I-51 Automatic A/C control unit D

Note: C-XX refers to common connector for the connection between harnesses.

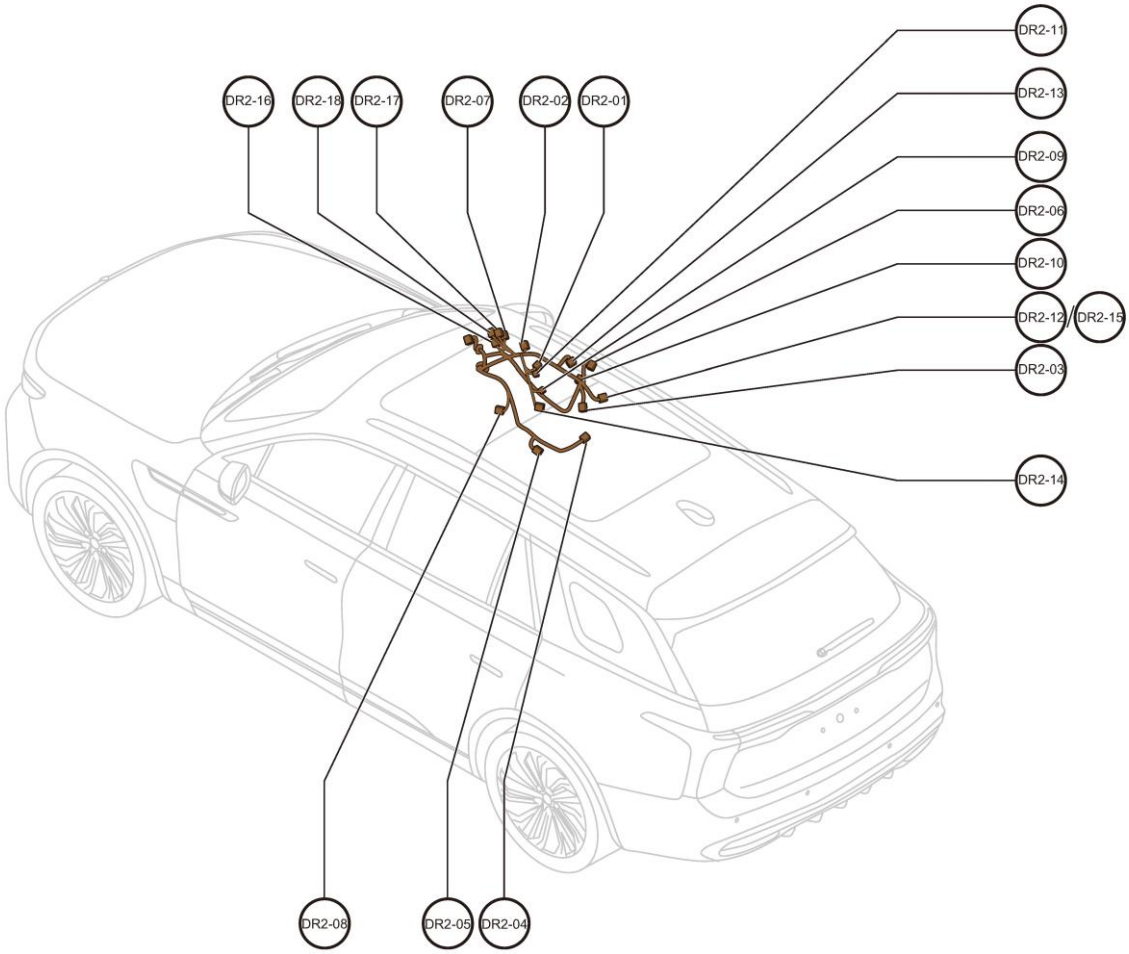
Location of parts in the instrument panel



I-02 Steering angle sensor (SAS)
I-06 IP air outlet LED lamp-B
I-07 IP air outlet LED lamp-C
I-08 IP air outlet LED lamp-D
I-09 Center console ambient lamp assembly
I-15 Glove box lamp
I-18 Combination switch
I-19 Steering column regulating switch
I-20 Glove box unlocking motor
I-26 Clock spring-A
I-27 Clock spring-B
I-28 Clock spring-C
I-30 Commissioning OBD DLC A
I-33 Main display (3 screens)-C
I-34 Main display (2 screens)
I-35 Front passenger airbag
I-36 USB controller
I-38 Front cellphone wireless charging controller
I-40 IVI-ethernet (B)
I-42 IVI C13
I-43 IVI C12

Note: C-XX refers to common connector for the connection between harnesses.

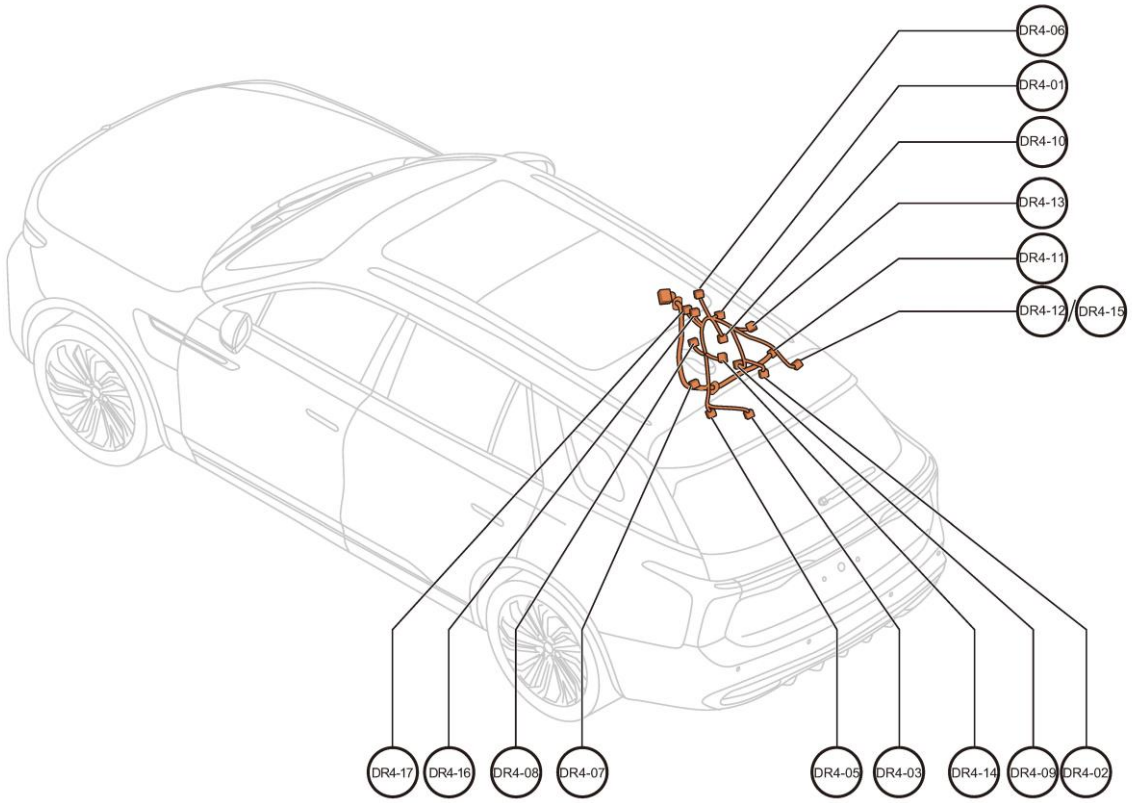
Location of parts in the body



DR2-01 Passenger side impact sensor
DR2-02 Right front door ambient lamp assembly A (flash)
DR2-03 Right front door ambient lamp assembly B (multicolor)
DR2-04 Right front door ambient lamp assembly C
DR2-05 Right front door lamp
DR2-06 Right front door antenna
DR2-07 Right front door squawker and tweeter
DR2-08 Right front door squawker and woofer
DR2-09 Right front door power window regulator
DR2-10 Right front door handle induction switch
DR2-11 Right front door power window switch
DR2-12 Right front door lock (electric suction) A
DR2-13 Right front door lock (electric suction) B
DR2-14 Right front door lock (electric suction) C
DR2-15 Right front door lock (manual suction)
DR2-16 Right exterior rearview mirror
DR2-17 Passenger door control unit (PDCU) A
DR2-18 Passenger door control unit (PDCU) B

Note: C-XX refers to common connector for the connection between harnesses.

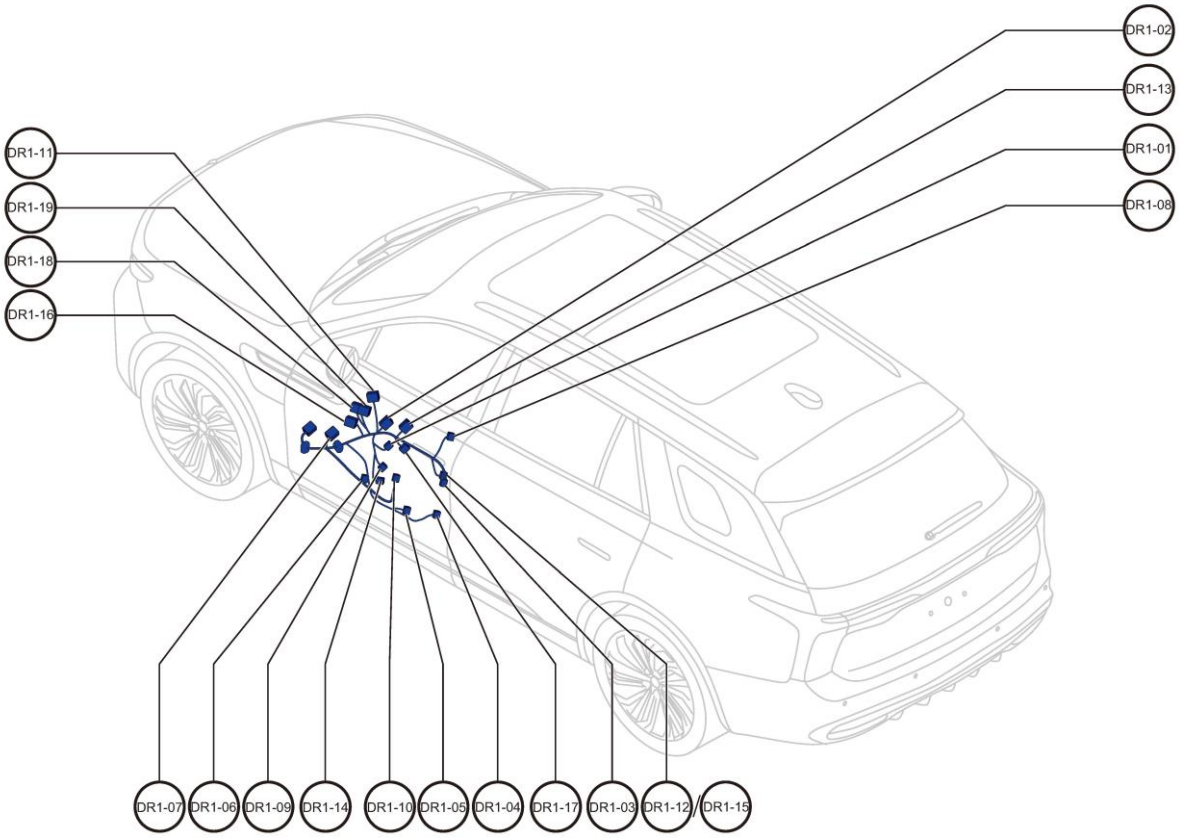
Location of parts in the body



DR4-01 Right rear door ambient lamp assembly A (flash)
DR4-02 Right rear door ambient lamp assembly B
DR4-03 Right rear door ambient lamp assembly C
DR4-05 Right rear door lamp
DR4-06 Right rear door tweeter
DR4-07 Right rear door squawker and woofer
DR4-08 Right rear door squawker and tweeter
DR4-09 Right rear door power window regulator
DR4-10 Right rear door window switch
DR4-11 Right rear door handle induction switch
DR4-12 Right rear door lock (electric suction & electronic child safety lock) A
DR4-13 Right rear door lock (electric suction & electronic child safety lock) B
DR4-14 Right rear door lock (electric suction & electronic child safety lock) C
DR4-15 Right rear door lock (manual suction & electronic child safety lock)
DR4-16 RR door control unit A
DR4-17 RR door control unit B

Note: C-XX refers to common connector for the connection between harnesses.

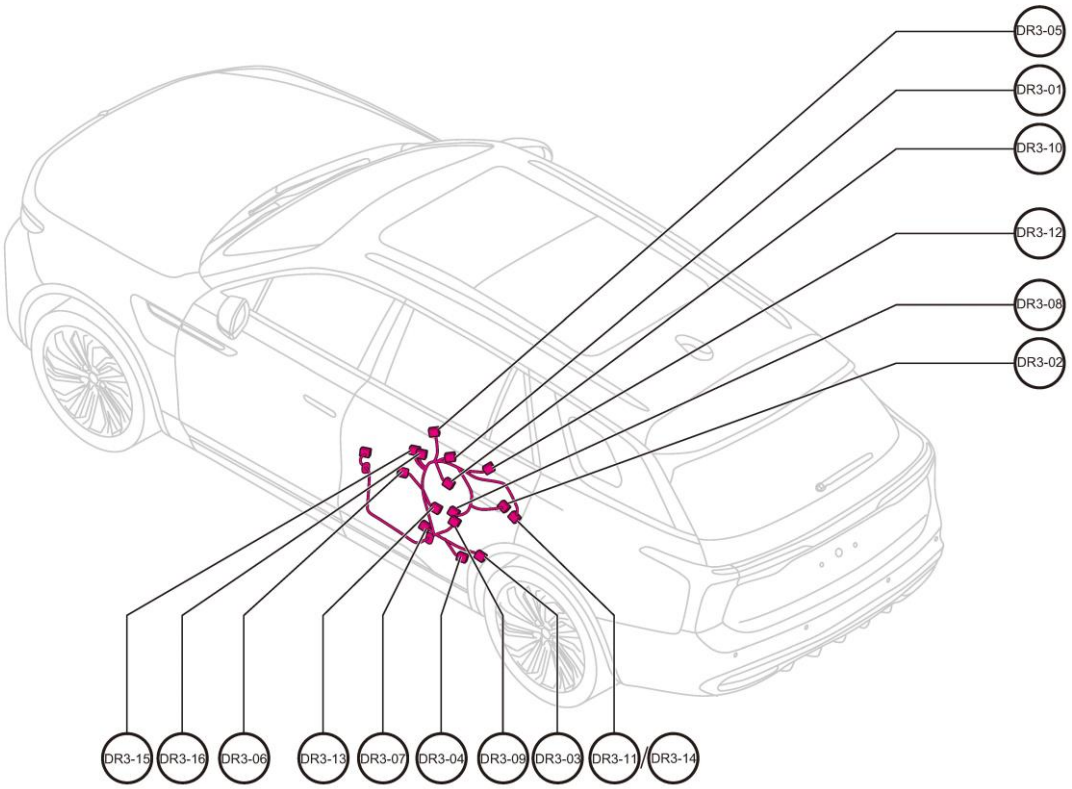
Location of parts in the body



DR1-01 Driver side impact sensor
DR1-02 Left front door ambient lamp assembly A (flash)
DR1-03 Left front door ambient lamp assembly B (multicolor)
DR1-04 Left front door ambient lamp assembly C
DR1-05 Left front door lamp
DR1-06 Left front door squawker and woofer
DR1-07 Left front door squawker and tweeter
DR1-08 Left front door antenna
DR1-09 Left front door power window regulator
DR1-10 Left front door handle induction switch
DR1-11 Central lock switch
DR1-12 Left front door lock (electric suction) A
DR1-13 Left front door lock (electric suction) B
DR1-14 Left front door lock (electric suction) C
DR1-15 Left front door lock (manual suction)
DR1-16 Left exterior rearview mirror
DR1-17 Left front door power window switch
DR1-18 Driver door control unit (DDCU) A
DR1-19 Driver door control unit (DDCU) B

Note: C-XX refers to common connector for the connection between harnesses.

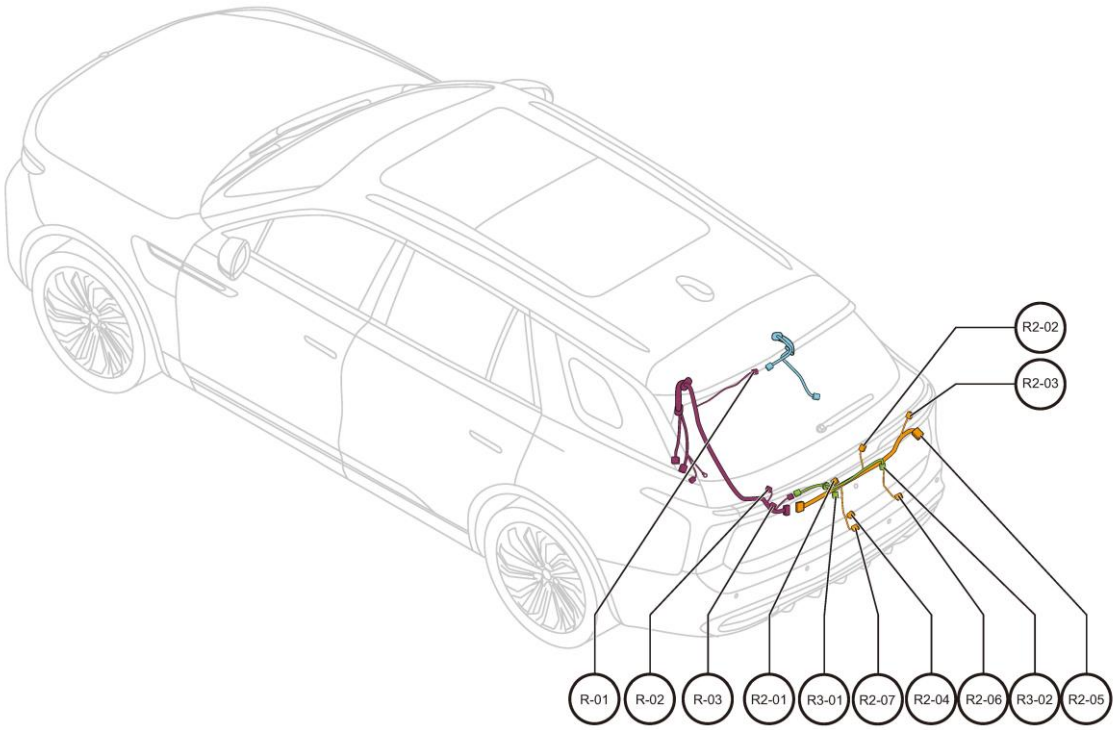
Location of parts in the body



DR3-01 Left rear door ambient lamp assembly A (flash)
DR3-02 Left rear door ambient lamp assembly B (multicolor)
DR3-03 Left rear door ambient lamp assembly C
DR3-04 Left rear door lamp
DR3-05 Left rear door tweeter
DR3-06 Left rear door squawker and tweeter
DR3-07 Left rear door squawker and woofer
DR3-08 Left rear door power window regulator
DR3-09 Left rear door handle induction switch
DR3-10 Left rear door window switch
DR3-11 Left rear door lock (electric suction & electronic child safety lock) A
DR3-12 Left rear door lock (electric suction & electronic child safety lock) B
DR3-13 Left rear door lock (electric suction & electronic child safety lock) C
DR3-14 Left rear door lock (manual suction & electronic child safety lock)
DR3-15 LR door control unit A
DR3-16 LR door control unit B

Note: C-XX refers to common connector for the connection between harnesses.

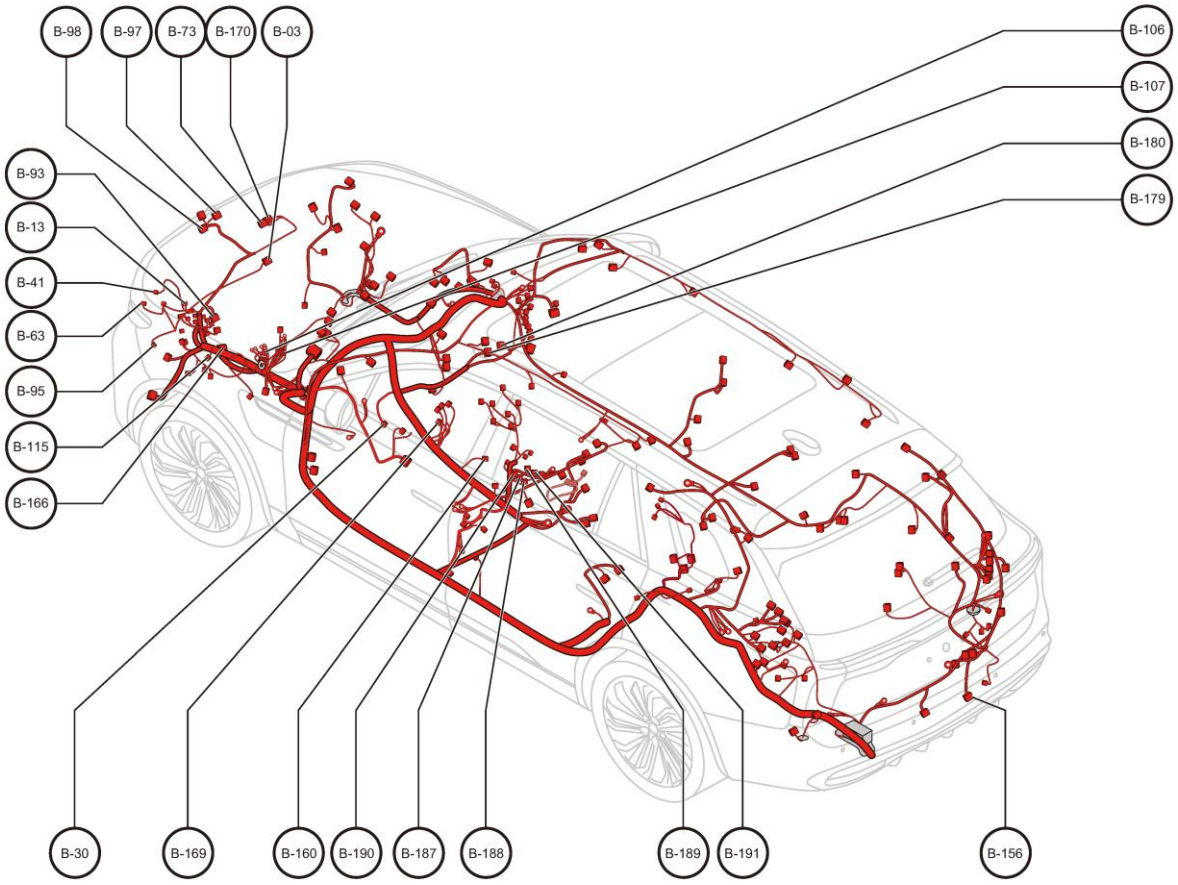
Location of parts in the body



R-01 High mounted brake lamp
R-02 Rear windshield defroster power positive terminal
R-03 Left rear combination lamp B
R2-01 Trunk outside release switch
R2-02 Rear wiper
R2-03 Rear windshield defroster power negative terminal
R2-04 Back door lock self-priming module
R2-05 Right rear combination lamp B
R2-06 Trunk closing switch
R2-07 Trunk lock
R3-01 Left license plate lamp
R3-02 Right license plate lamp

Note: C-XX refers to common connector for the connection between harnesses.

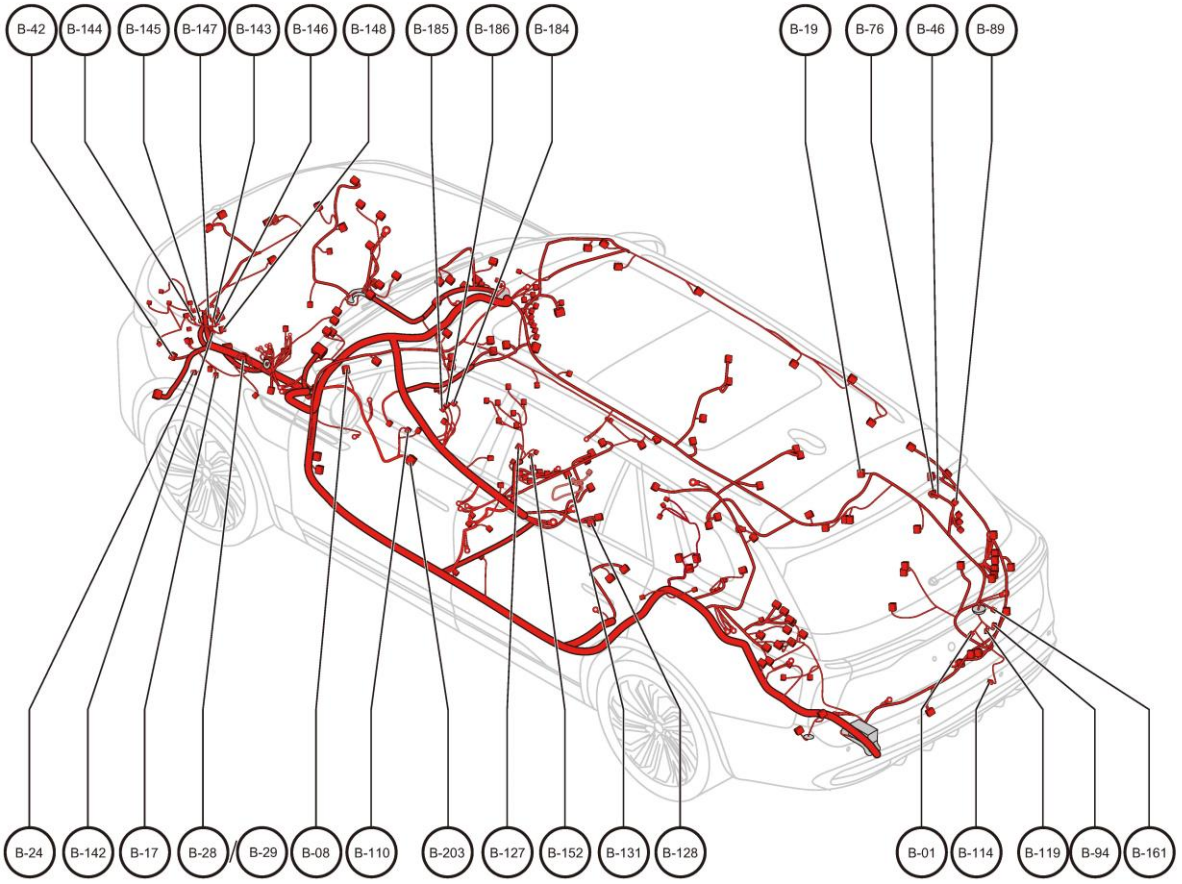
Location of parts in the body



B-13 Driver side front impact acceleration sensor
B-14 Passenger side front impact acceleration sensor
B-30 Accelerator pedal sensor
B-41 Left front combination lamp II
B-63 Woofer
B-73 Engine hood switch
B-93 Cooling fan
B-95 Windshield washer
B-97 AGS control motor A
B-98 AGS control motor B
B-106 3-way water valve A
B-107 3-way water valve B
B-115 Battery connection relay
B-156 Charging controller
B-160 Airbag control unit (ACU)
B-166 Electronic stability control (ESC)
B-169 Around view monitor (AVM)
B-170 PAS controller
B-179 Hybrid control unit (HCU) A
B-180 Hybrid control unit (HCU) B
B-187 Body control module (BCM) A
B-188 Body control module (BCM) B
B-189 Body control module (BCM) C
B-190 Body control module (BCM) D
B-191 Body control module (BCM) E

Note: C-XX refers to common connector for the connection between harnesses.

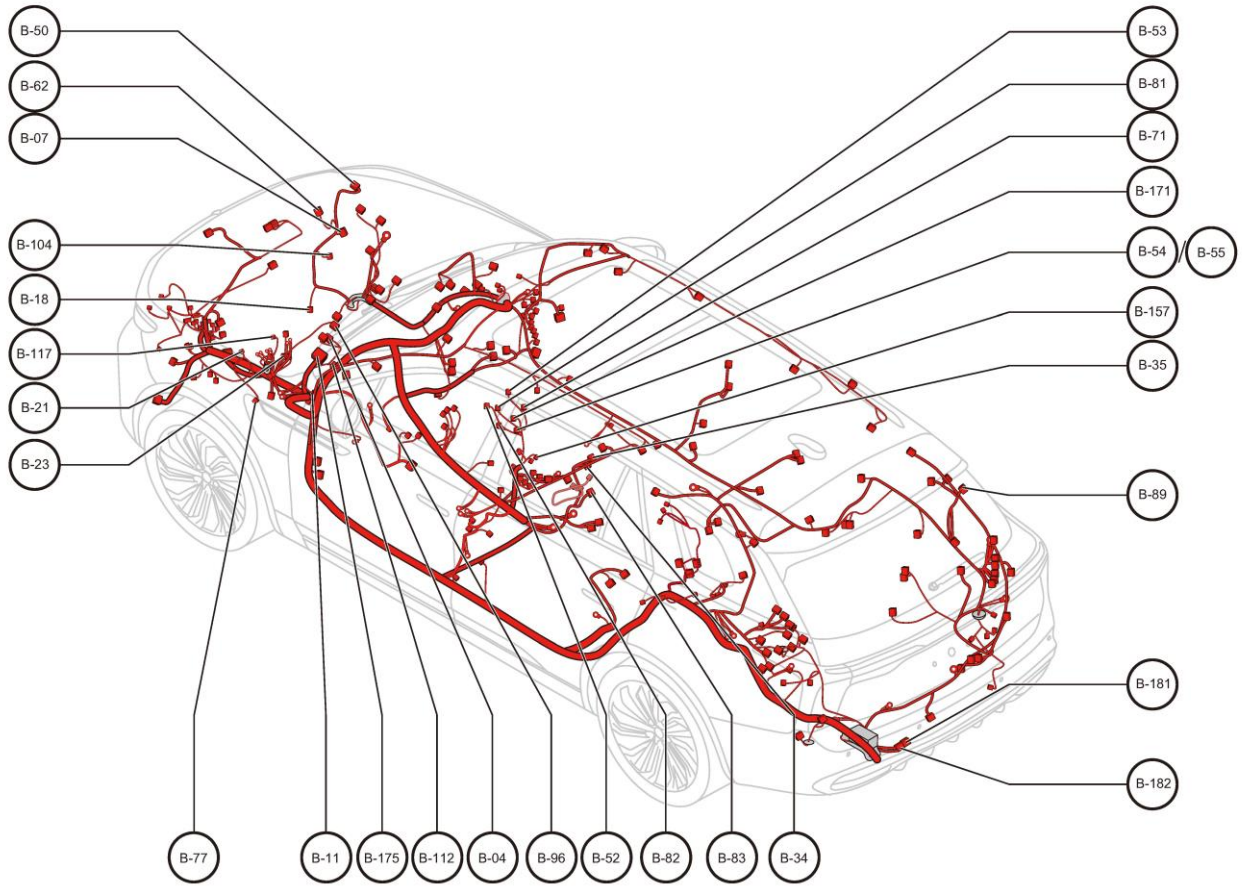
Location of parts in the body



B-01 Air compressor temperature sensor
B-08 Evaporator outlet temperature sensor
B-17 Left front wheel speed sensor
B-19 AC/DC charging socket assembly
B-24 Washer fluid level sensor
B-28 Front height sensor
B-29 Left front body height sensor
B-42 Left front combination lamp III
B-46 DC charging socket indicator
B-76 Fast charging port cover switch
B-89 DC charging port cover motor
B-94 Air compressor motor
B-110 Water heater PTC
B-114 Air compressor electric booster valve
B-119 AirS solenoid valve
B-127 Backup power supply (front row 12V power supply)
B-128 220V power supply
B-131 Console inside antenna
B-142 Engine compartment main power distribution box C
B-143 Engine compartment main power distribution box D
B-144 Engine compartment main power distribution box E
B-145 Engine compartment main power distribution box F
B-146 Engine compartment main power distribution box G
B-147 Engine compartment main power distribution box H
B-148 Engine compartment main power distribution box I
B-152 A/C panel control unit (ethernet)
B-161 AirS control unit
B-184 Gateway controller A
B-185 GCU B-ethernet (white)
B-186 GCU C-ethernet (black)
B-203 Battery management system (BMS)

Note: C-XX refers to common connector for the connection between harnesses.

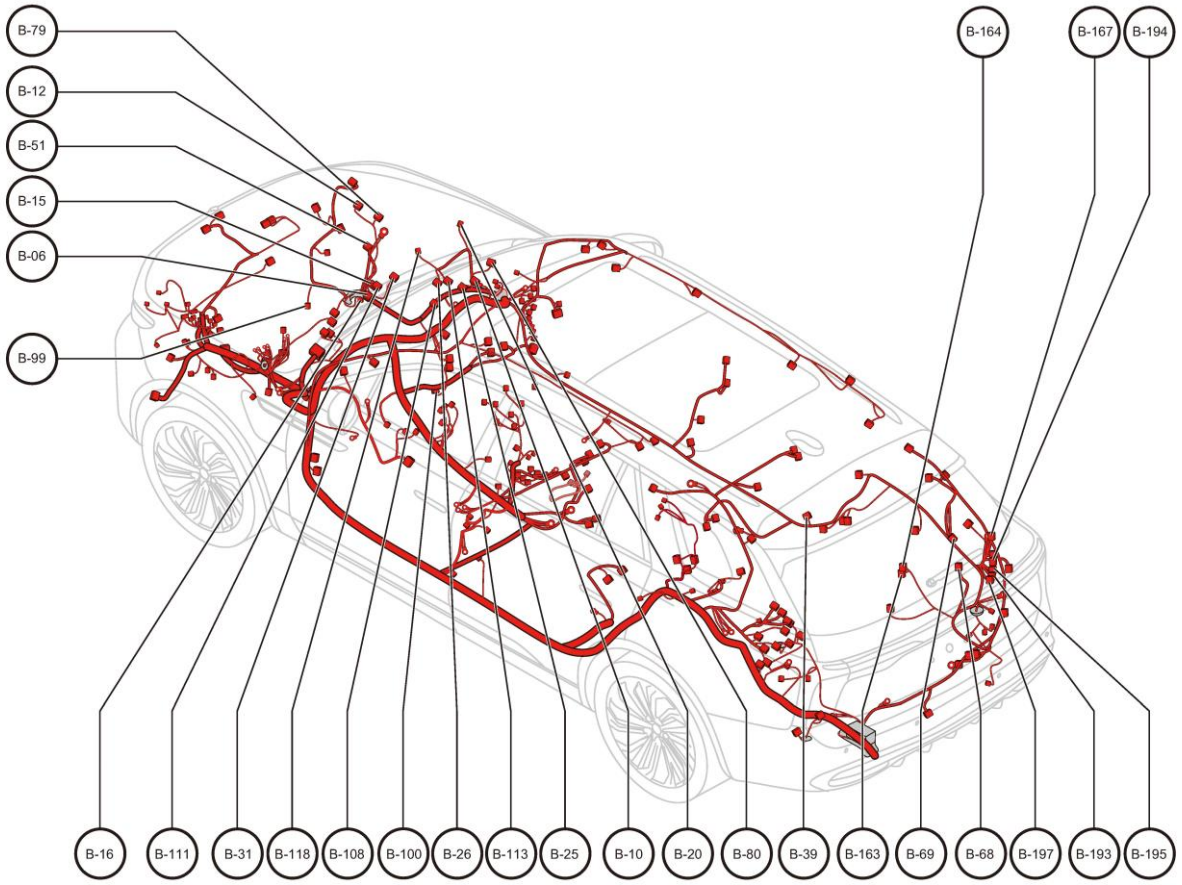
Location of parts in the body



B-04 Battery sensor A
B-07 Exterior condenser outlet temperature sensor
B-11 Pedal position sensor
B-18 Motor water temperature sensor
B-21 Left front gravity acceleration sensor
B-23 Brake fluid level sensor
B-34 Left B IP air outlet LED lamp
B-35 Right B IP air outlet LED lamp
B-50 Right front combination lamp II
B-52 Left console panel ambient lamp
B-53 Right console panel ambient lamp
B-54 Middle lower footwell lamp (premium)
B-55 Middle lower footwell lamp (base)
B-62 Tweeter
B-71 Console switch
B-81 Hazard warning switch
B-82 Parking brake switch
B-83 Rear control panel switch
B-96 Front wiper
B-104 Refrigerant two-way valve
B-112 Chiller expansion valve
B-117 Left front continuous damping control vibration damper
B-157 A/C panel control unit 1
B-171 Electronic shift controller
B-175 I-BOOST control unit
B-181 Trailer identification controller A
B-182 Trailer identification controller B

Note: C-XX refers to common connector for the connection between harnesses.

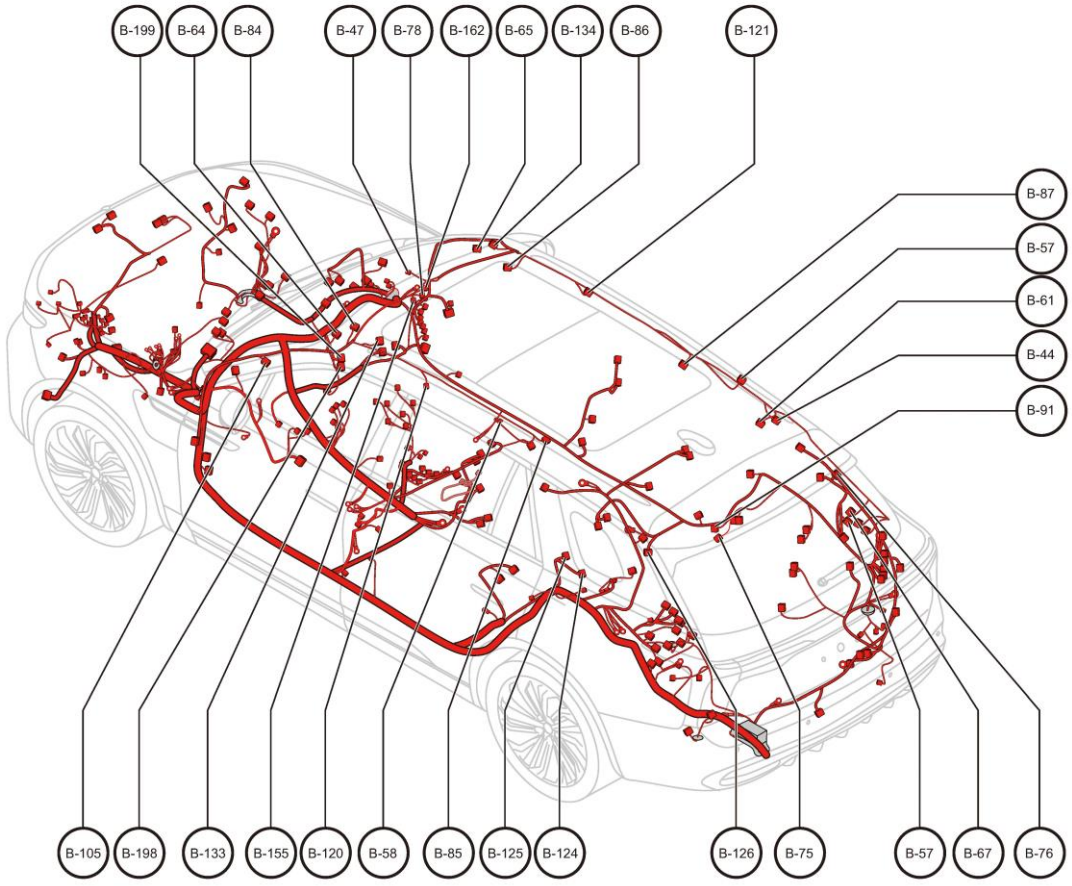
Location of parts in the body



B-06 Chiller rear temperature sensor
B-10 High pressure sensor
B-12 Motor coolant level sensor
B-15 Chiller rear pressure sensor
B-16 Right front wheel speed sensor
B-20 Right front gravity acceleration sensor
B-25 Water cooling condenser outlet sensor
B-26 Compressor outlet temperature sensor
B-31 Right front body height sensor
B-39 Right rear door sill trim
B-51 Right front combination lamp II
B-68 Subwoofer A
B-69 Subwoofer B
B-79 Battery coolant level switch
B-80 Low voltage maintenance switch
B-99 Electric water pump
B-100 Electric water pump B
B-108 3-way water valve C
B-111 Battery expansion valve
B-163 Parking distance control (PDC) A
B-164 Parking distance control (PDC) B
B-113 Heater expansion valve
B-118 Right front continuous damping control vibration damper
B-167 RF transmitter controller
B-193 Power amplifier (AMP)2-6E7/6EK
B-194 Power amplifier (AMP)3-6E7/6EK
B-195 Power amplifier (AMP)1-6E5
B-197 Power amplifier (AMP)5-6E7/6EK

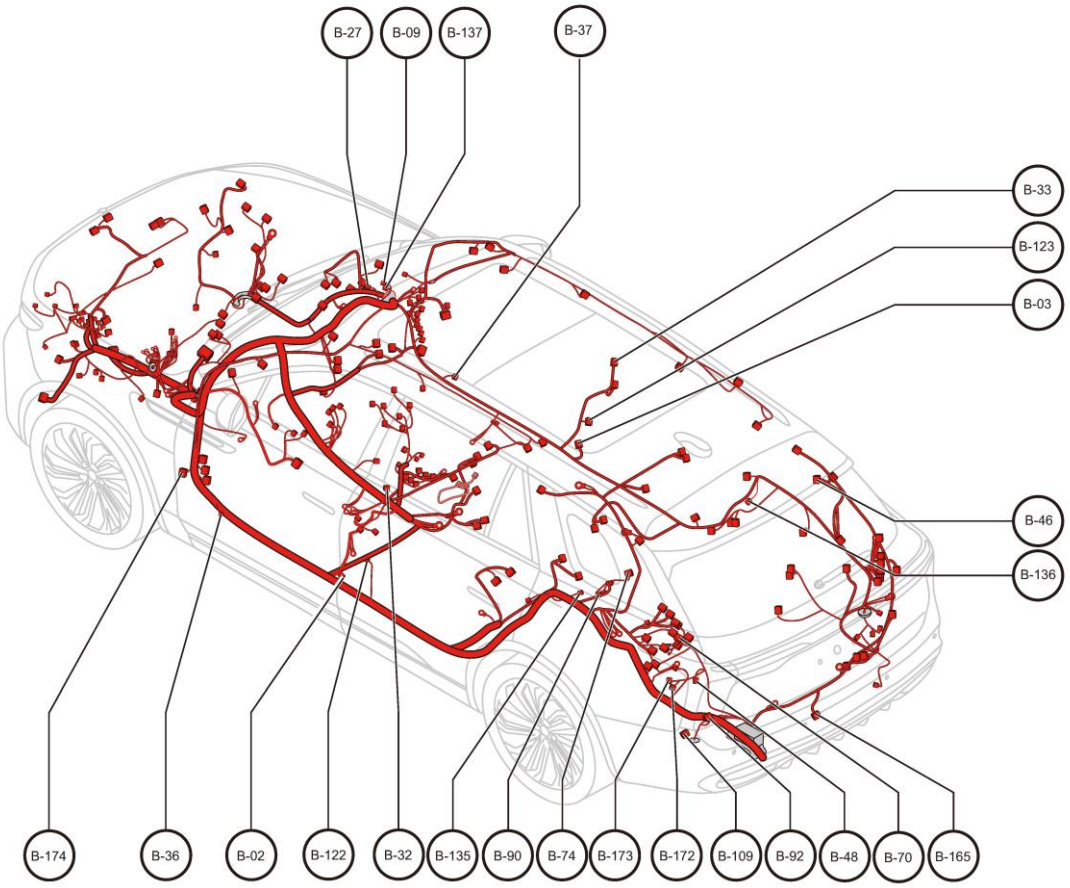
Note: C-XX refers to common connector for the connection between harnesses.

Location of parts in the body



B-67 Right surround mid-tweeter
B-44 Right C-pillar charging indicator ambient lamp
B-47 Front interior lamp
B-57 Right trunk lamp
B-59 Right rear reading lamp (2nd row)
B-61 Right rear reading lamp (3rd row)
B-64 Left front A-pillar tweeter
B-65 Right front A-pillar tweeter
B-87 Microphone IV
B-58 Left rear reading light (2nd row)
B-75 Right rear seat backrest limit switch
B-76 Fast charging port cover switch
B-78 Sunroof sunshade switch
B-84 Microphone A
B-85 Microphone C
B-86 Microphone B
B-91 2nd row right seat backrest adjustment motor
B-105 Front windshield heating
B-120 Left side curtain airbag
B-121 Right side curtain airbag
B-124 Rear left seat belt buckle
B-125 Rear middle seat belt buckle
B-126 Rear right seat belt buckle
B-133 Left front sun visor
B-134 Right front sun visor
B-155 Intelligent front camera (IFC)
B-162 Sunroof motor control unit
B-198 Front light control unit 1
B-199 Front light control unit 2

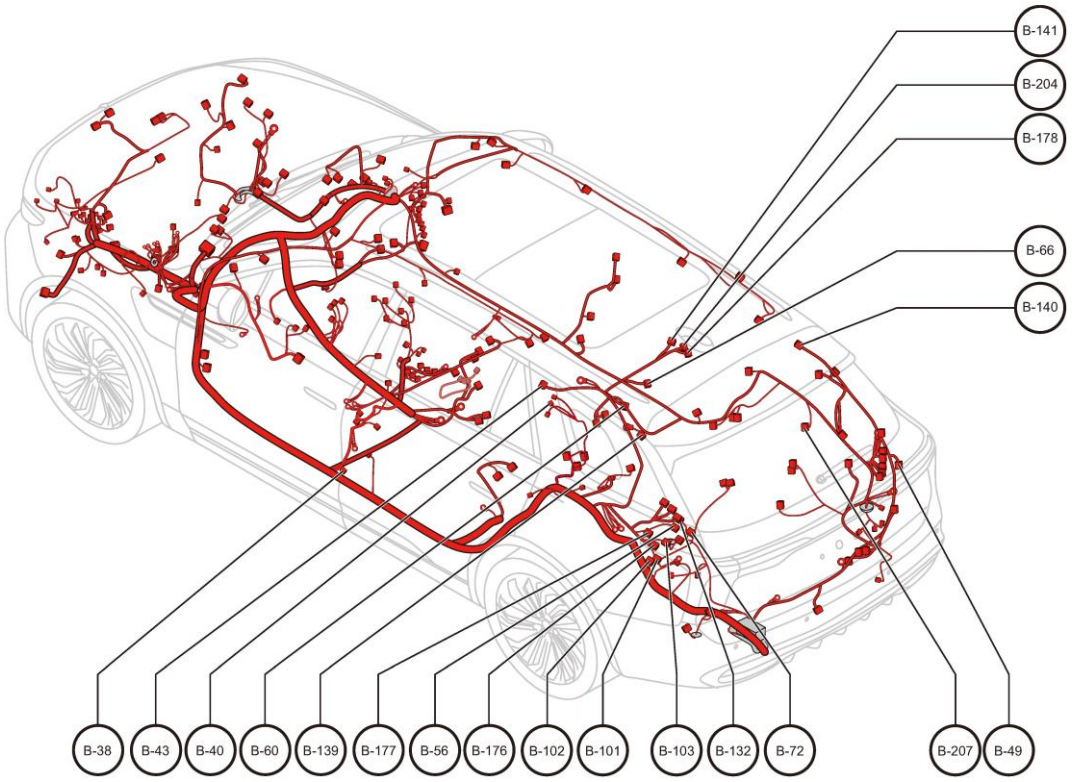
Location of parts in the body



B-02 Driver side impact acceleration sensor
B-03 Passenger side impact acceleration sensor
B-09 Rain sensor
B-27 Auto defogging sensor (ADS)
B-32 Left rear air outlet LED lamp
B-33 Right rear air outlet LED lamp
B-36 Left front door sill trim
B-37 Right front door sill trim
B-46 DC charging socket indicator
B-48 Left rear combination lamp I
B-70 Trunk lid release switch
B-74 Left rear seat backrest limit switch
B-90 2nd row left seat backrest adjustment motor
B-92 Rear blower motor
B-109 Heater water valve
B-122 Driver seat belt pretensioner
B-123 Front passenger seat belt pretensioner
B-135 3rd row left single-port USB
B-136 3rd row right single-port USB
B-137 Electric anti-glare interior rearview mirror
B-165 Driving mode control system (DMS)
B-172 Rear lighting controller A
B-173 Rear lighting controller B
B-174 Autonomous driving vehicle (ADV)

Note: C-XX refers to common connector for the connection between harnesses.

Location of parts in the body

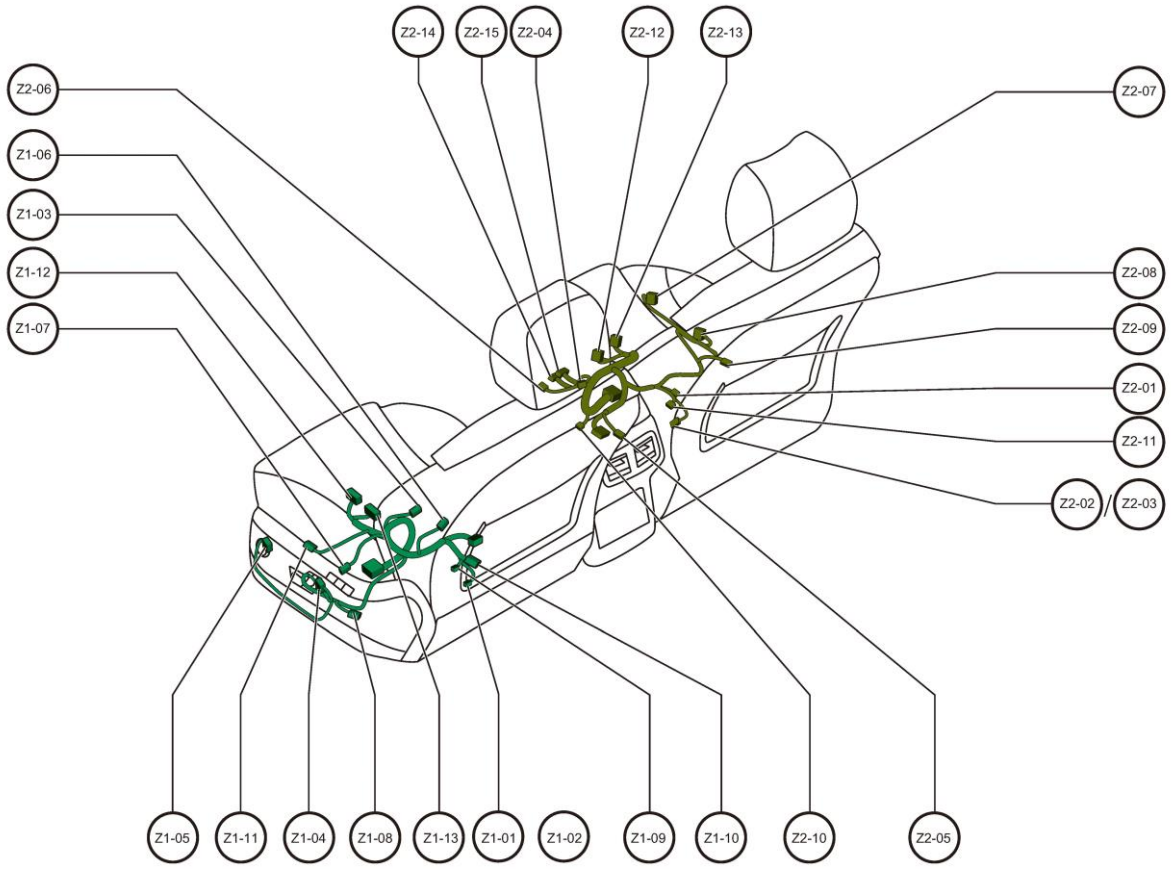


B-38 Left rear door sill courtesy lamp
B-40 2nd row center armrest ambient lamp assembly
B-43 Left C-pillar charging indicator ambient lamp
B-49 Right rear combination lamp I
B-56 Left trunk lamp
B-60 Left rear reading light (3rd row)
B-66 Left surround mid-tweeter
B-72 3rd row seat folding/releasing switch
B-101 Rear HVAC left temperature damper servo motor
B-102 Rear HVAC mode damper
B-103 Rear HVAC right temperature damper servo motor
B-132 Trunk inside antenna
B-139 Back door left power strut
B-140 Back door right power strut
B-141 3rd row panel
B-176 Power lift gate (PLG) control unit A
B-177 Power lift gate (PLG) control unit B
B-178 Intelligent antenna (T-BOX) ethernet
B-204 Intelligent antenna (T-BOX)
B-207 Rear gravity acceleration sensor

Note: C-XX refers to common connector for the connection between harnesses.

Location of parts in the body

Front seat

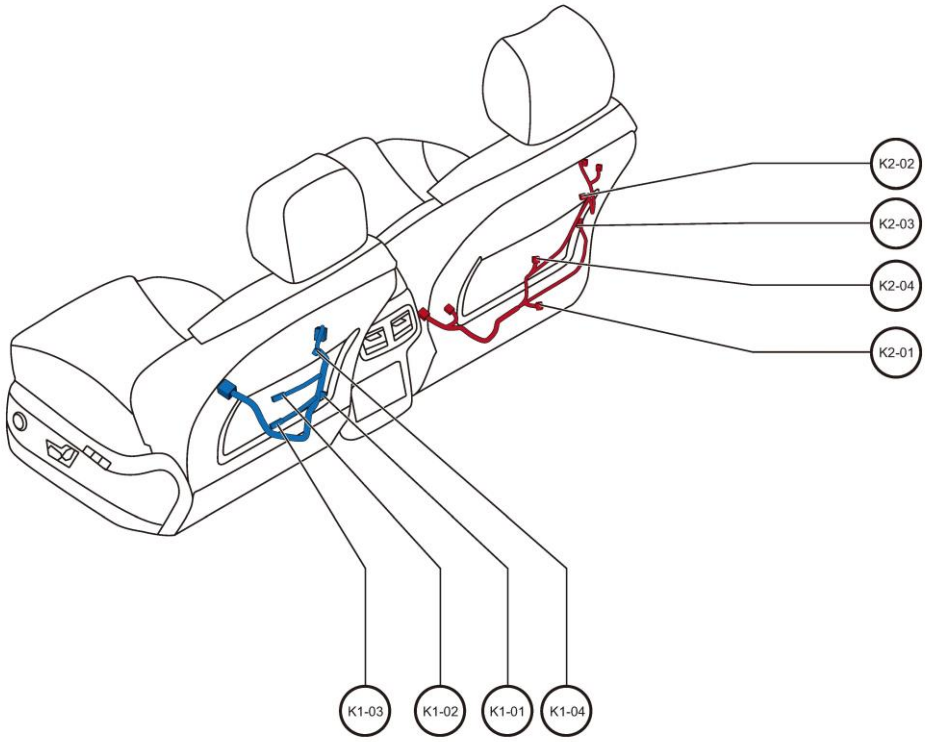


Z1-01 Left rear footwell lamp (base)
Z1-02 Left rear footwell lamp (premium)
Z1-03 Driver seat belt buckle
Z1-04 Driver seat adjustment switch
Z1-05 Driver seat lumbar support adjustment switch
Z1-06 Driver seat slide motor
Z1-07 Driver seat forward motor
Z1-08 Driver seat cushion adjustment motor
Z1-09 Driver seat cushion ventilation motor
Z1-10 Driver seat cushion heater
Z1-11 Driver seat depth heater
Z1-12 Driver seat control unit (DSCU) A
Z1-13 Driver seat control unit (DSCU) C
Z2-01 Occupancy sensor
Z2-02 Right rear footwell lamp (base)
Z2-03 Right rear footwell lamp (premium)
Z2-04 Front passenger seat belt buckle
Z2-05 Front passenger seat heater
Z2-06 Front passenger seat depth heater
Z2-07 Front passenger seat lumbar support adjustment switch
Z2-08 Front passenger seat adjustment switch
Z2-09 Front passenger seat cushion adjustment motor
Z2-10 Front passenger seat slide motor
Z2-11 Front passenger seat cushion ventilation motor
Z2-12 Passenger seat control unit (PSCU)-A
Z2-13 Passenger seat control unit (PSCU)-C
Z2-14 Seat climate controller-A
Z2-15 Seat climate controller-B

Note: C-XX refers to common connector for the connection between harnesses.

Location of parts in the body

Front seat

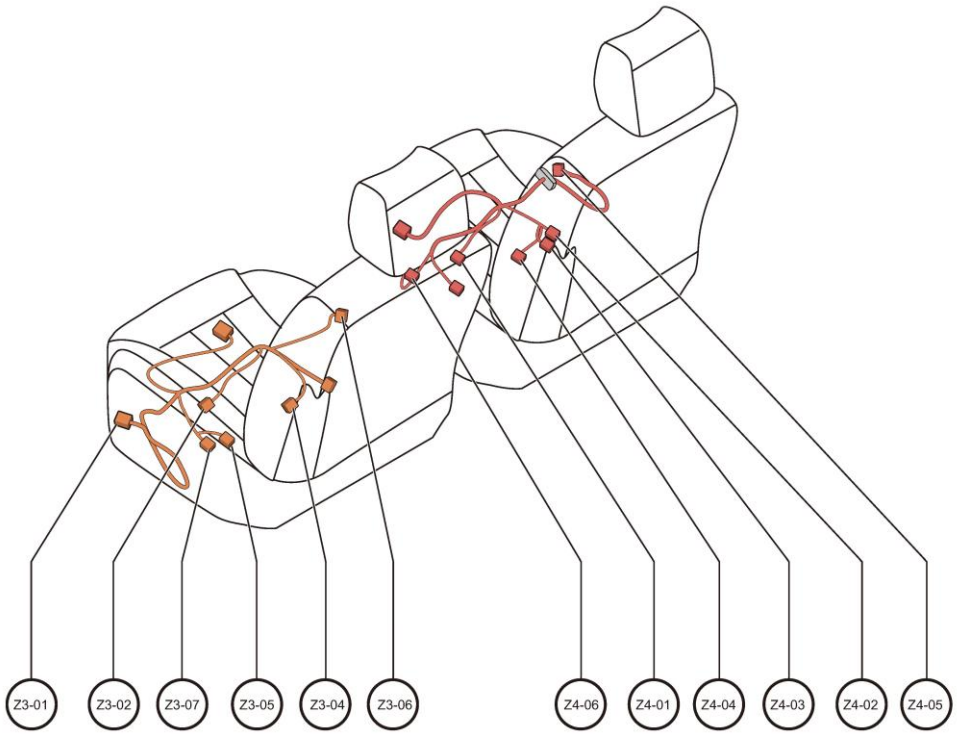


K1-01 Driver seat backrest adjustment motor
K1-02 Driver seat backrest ventilation motor
K1-03 Driver seat backrest heater
K1-04 Driver seat lumbar support adjustment motor
K2-01 Front passenger seat backrest heater
K2-02 Front passenger seat backrest ventilation motor
K2-03 Front passenger seat backrest adjustment motor
K2-04 Front passenger seat lumbar support adjustment motor

Note: C-XX refers to common connector for the connection between harnesses.

Location of parts in the body

2nd row seat (for 6-seater vehicles)



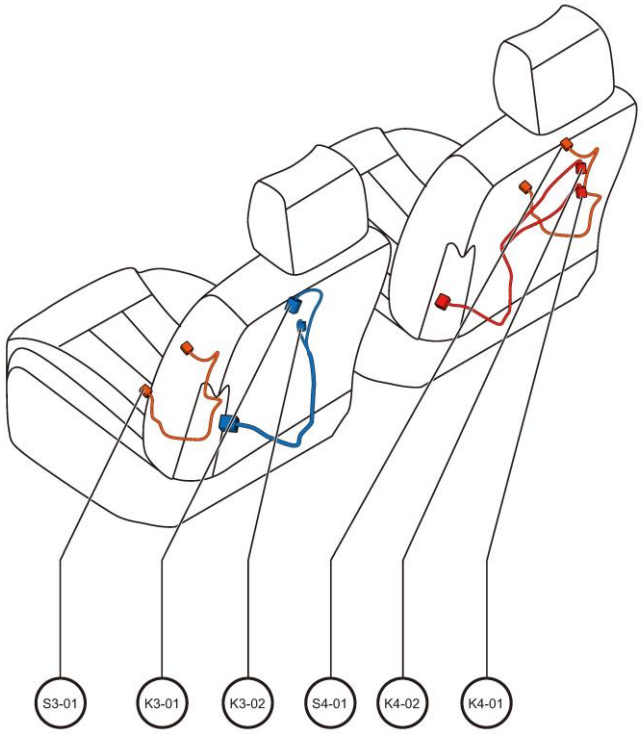
Z3-01 Left rear seat adjustment switch
Z3-02 Left rear seat cushion ventilator motor
Z3-04 Left rear seat forward/backward adjustment motor
Z3-05 2nd row left seat backrest heater
Z3-06 Left rear seat belt buckle
Z3-07 2nd row left seat heater

Z4-01 2nd row right seat heater
Z4-02 2nd row right seat backrest heater
Z4-03 Right rear seat cushion ventilator motor
Z4-04 Right rear seat forward/backward adjustment motor
Z4-05 Right rear seat adjustment switch
Z4-06 Right rear seat belt buckle

Note: C-XX refers to common connector for the connection between harnesses.

Location of parts in the body

2nd row seat (for 6-seater vehicles)

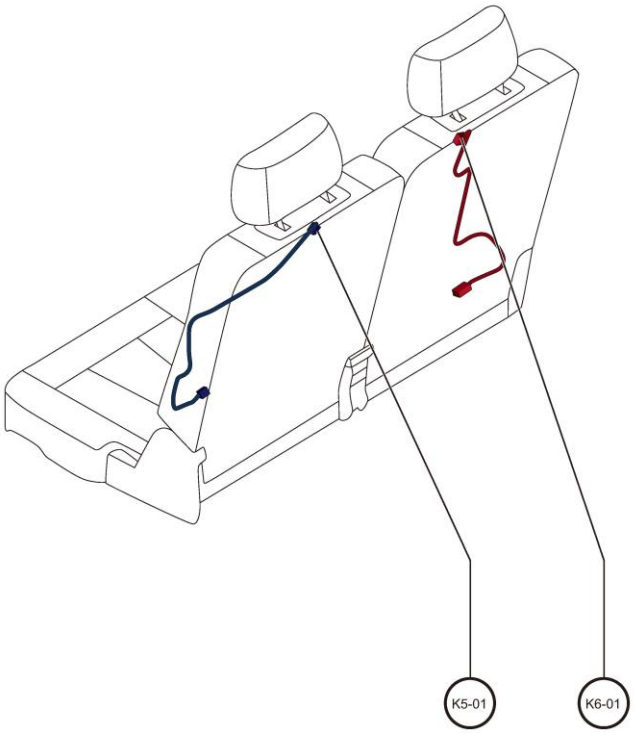


K3-01 Left rear seat backrest ventilator motor
K3-02 Left rear seat backrest forward/backward adjustment motor
K4-01 Right rear seat backrest forward/backward adjustment motor
K4-02 Right rear seat backrest ventilator motor
S3-01 Left rear seat airbag
S4-01 Right rear seat airbag

Note: C-XX refers to common connector for the connection between harnesses.

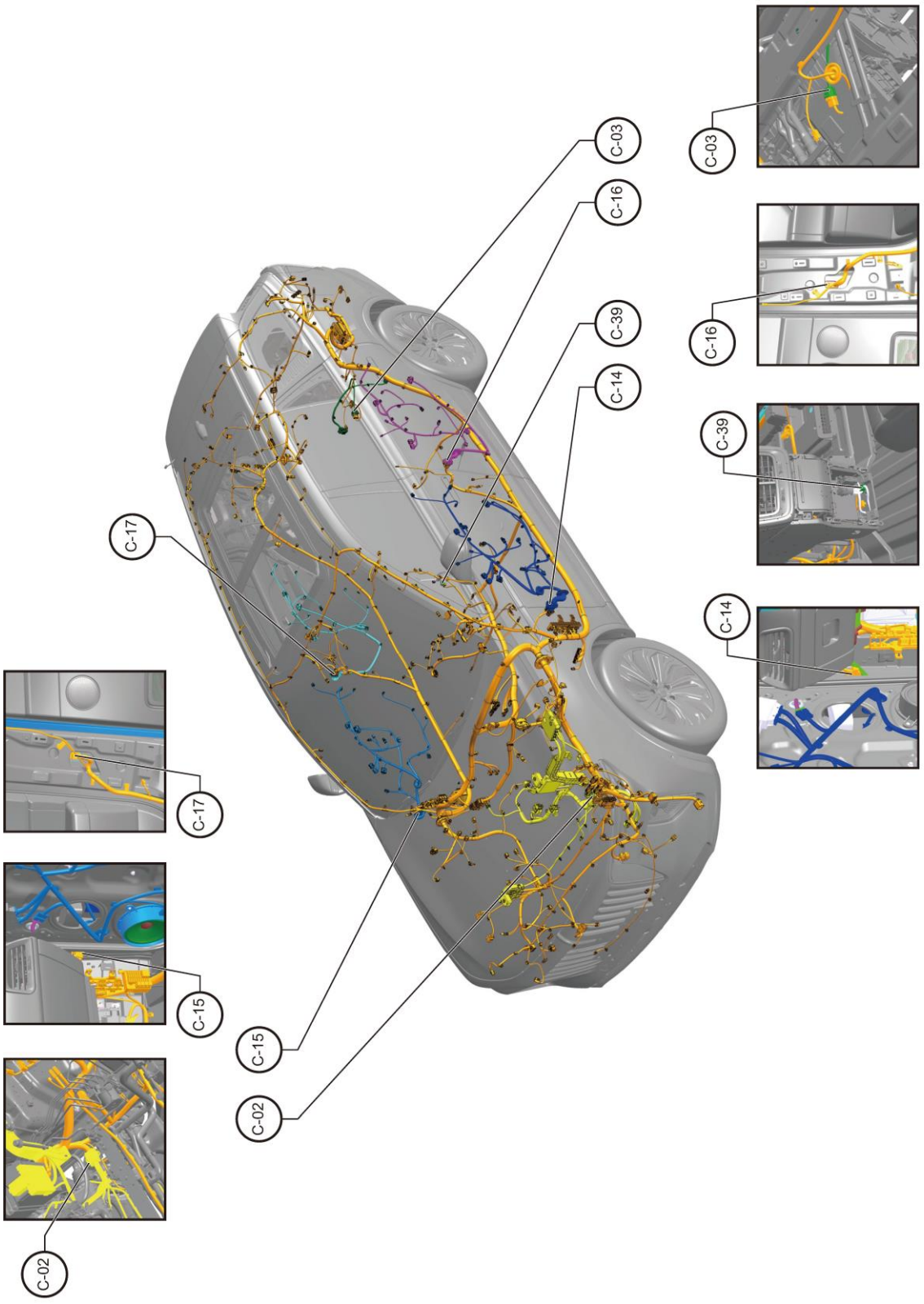
Location of parts in the body

3rd row seats (for

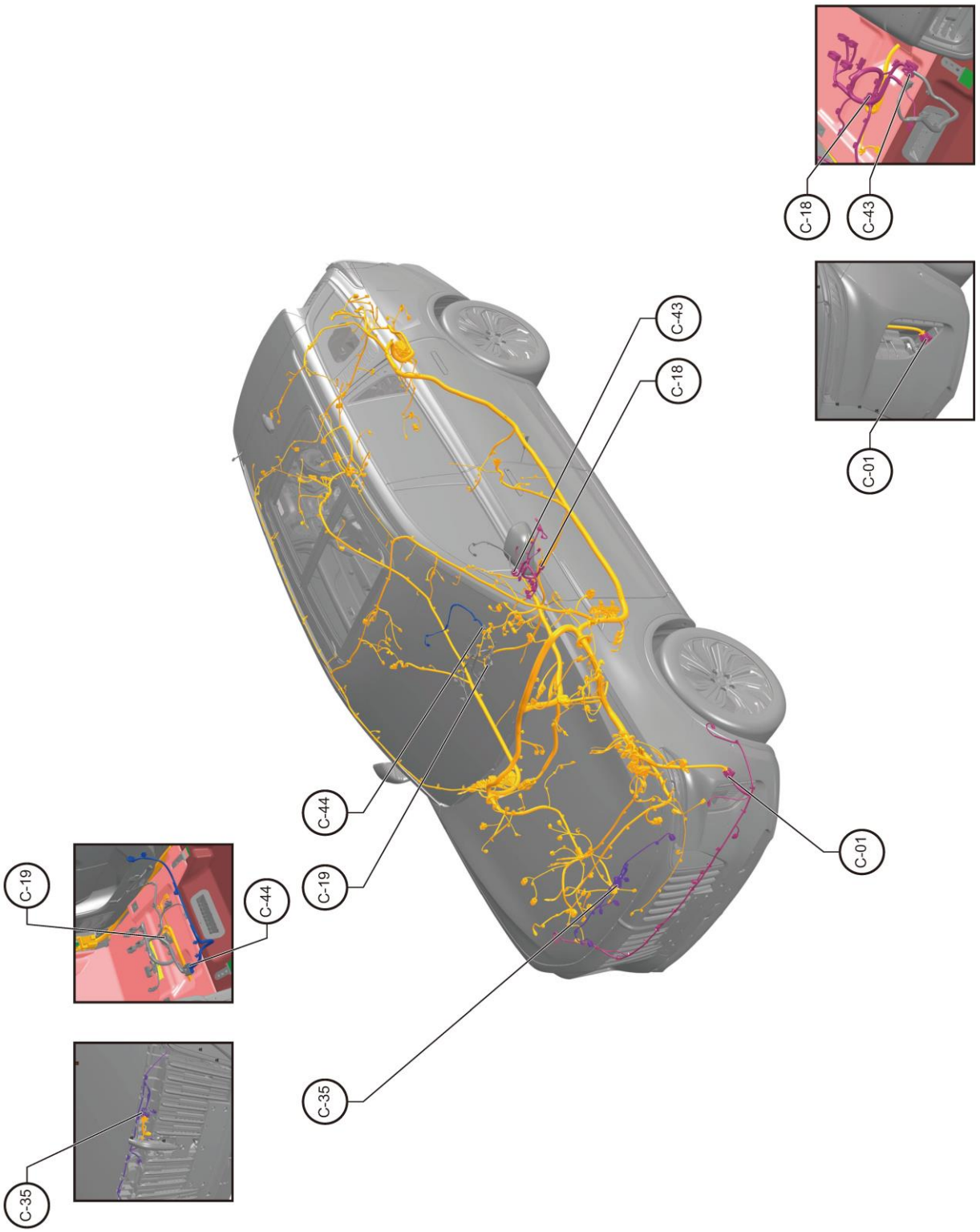


K5-01 3rd row left seat folding/releasing motor
K6-01 3rd row right seat folding/releasing motor

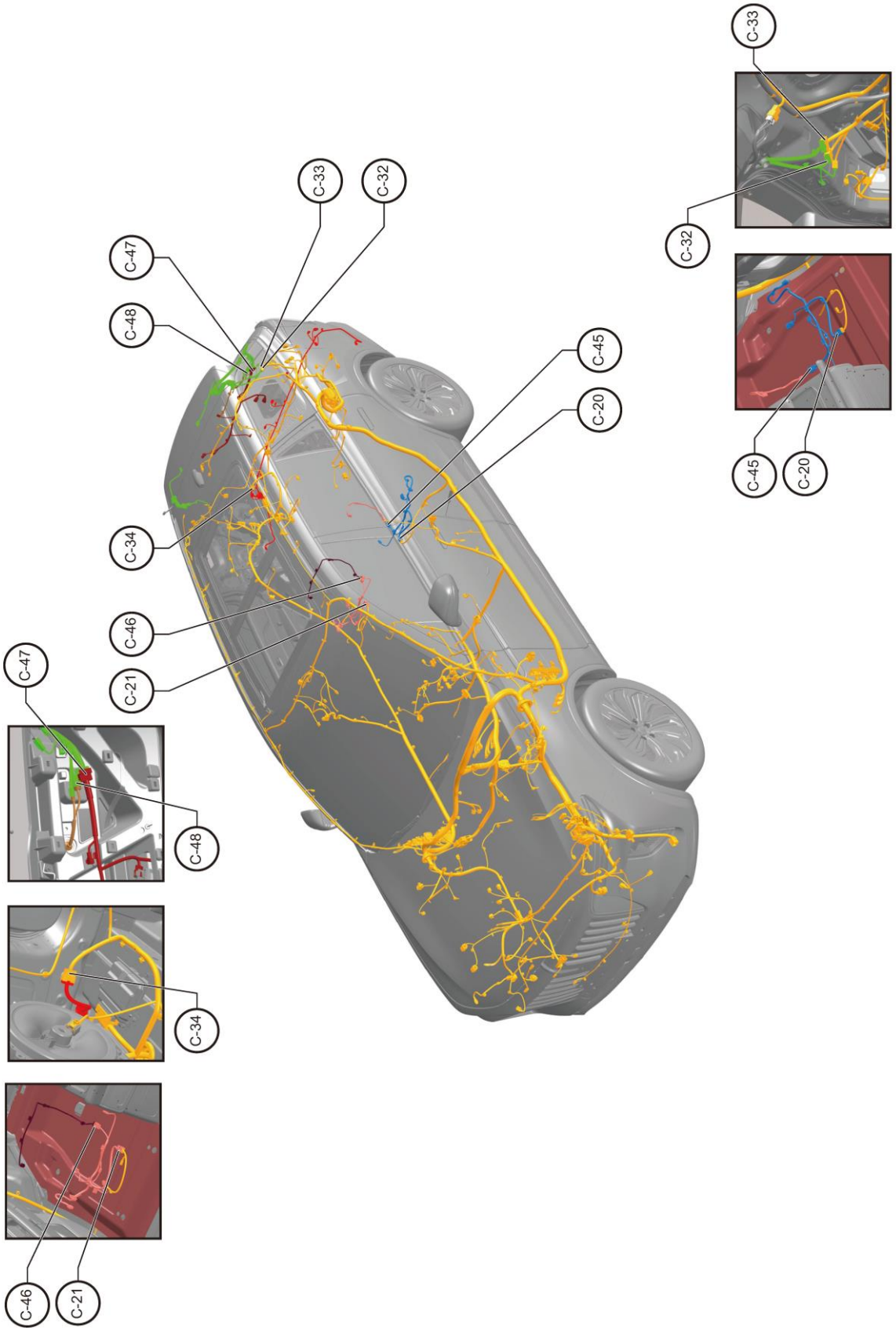
Location of common connectors



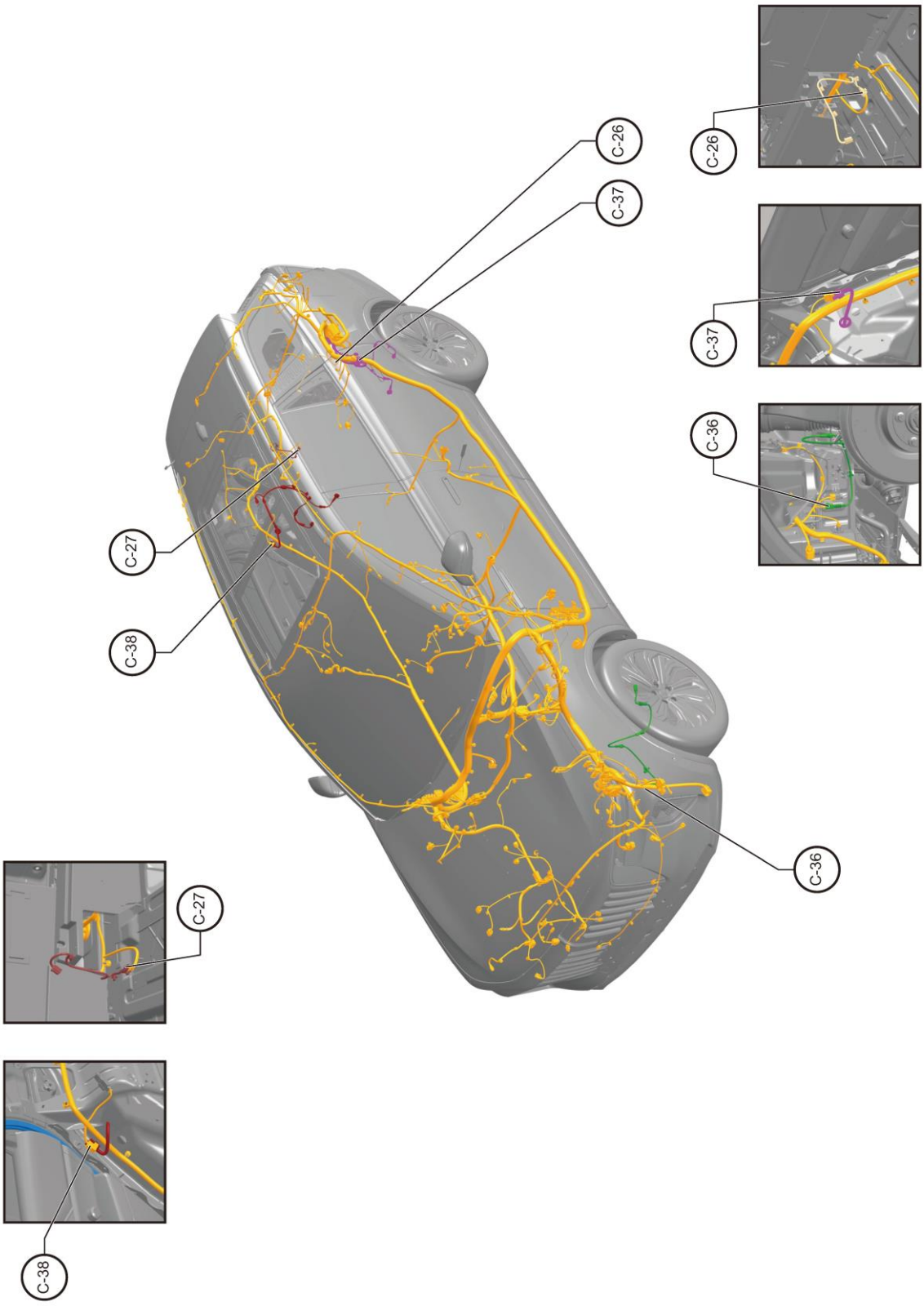
Location of common connectors



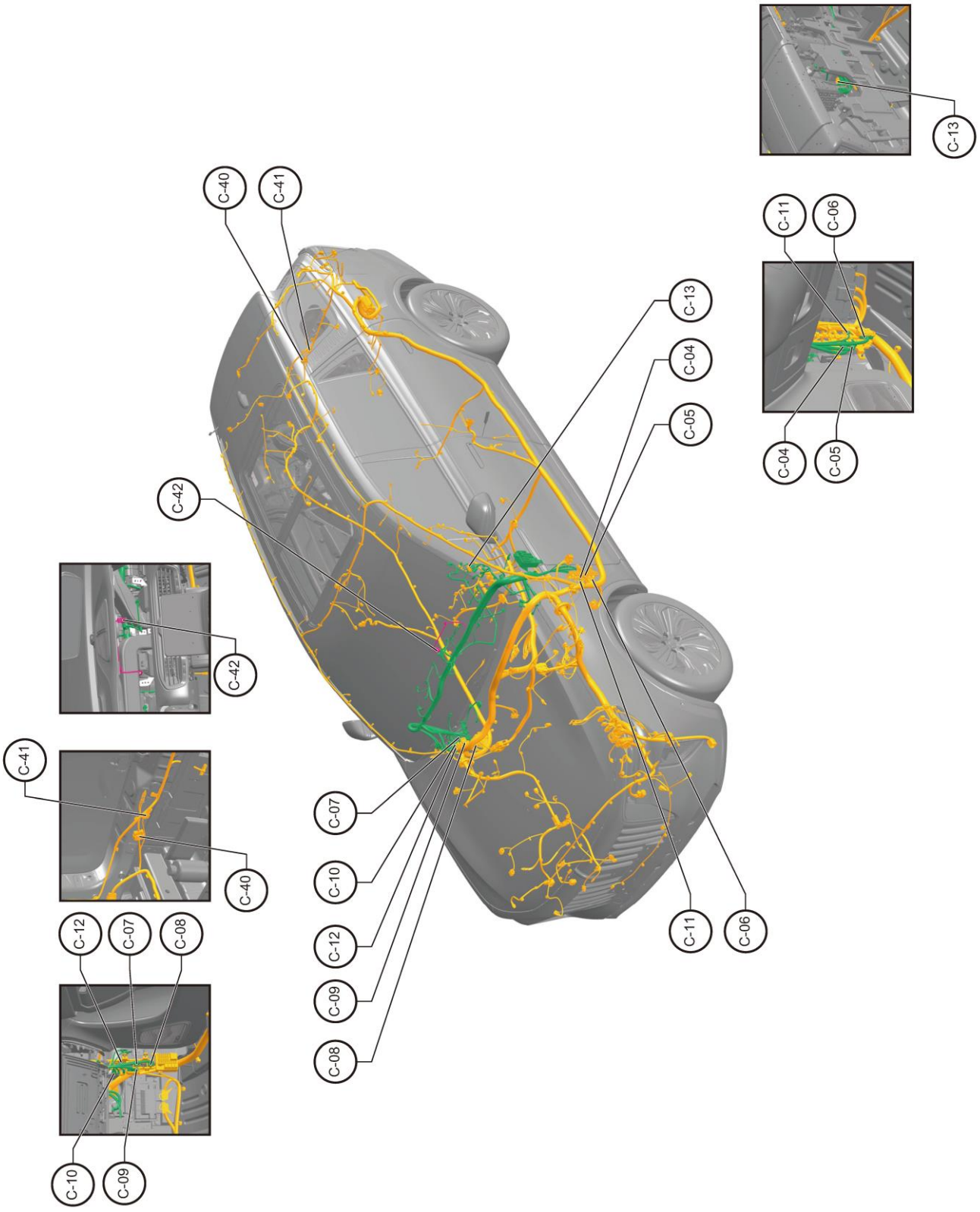
Location of common connectors



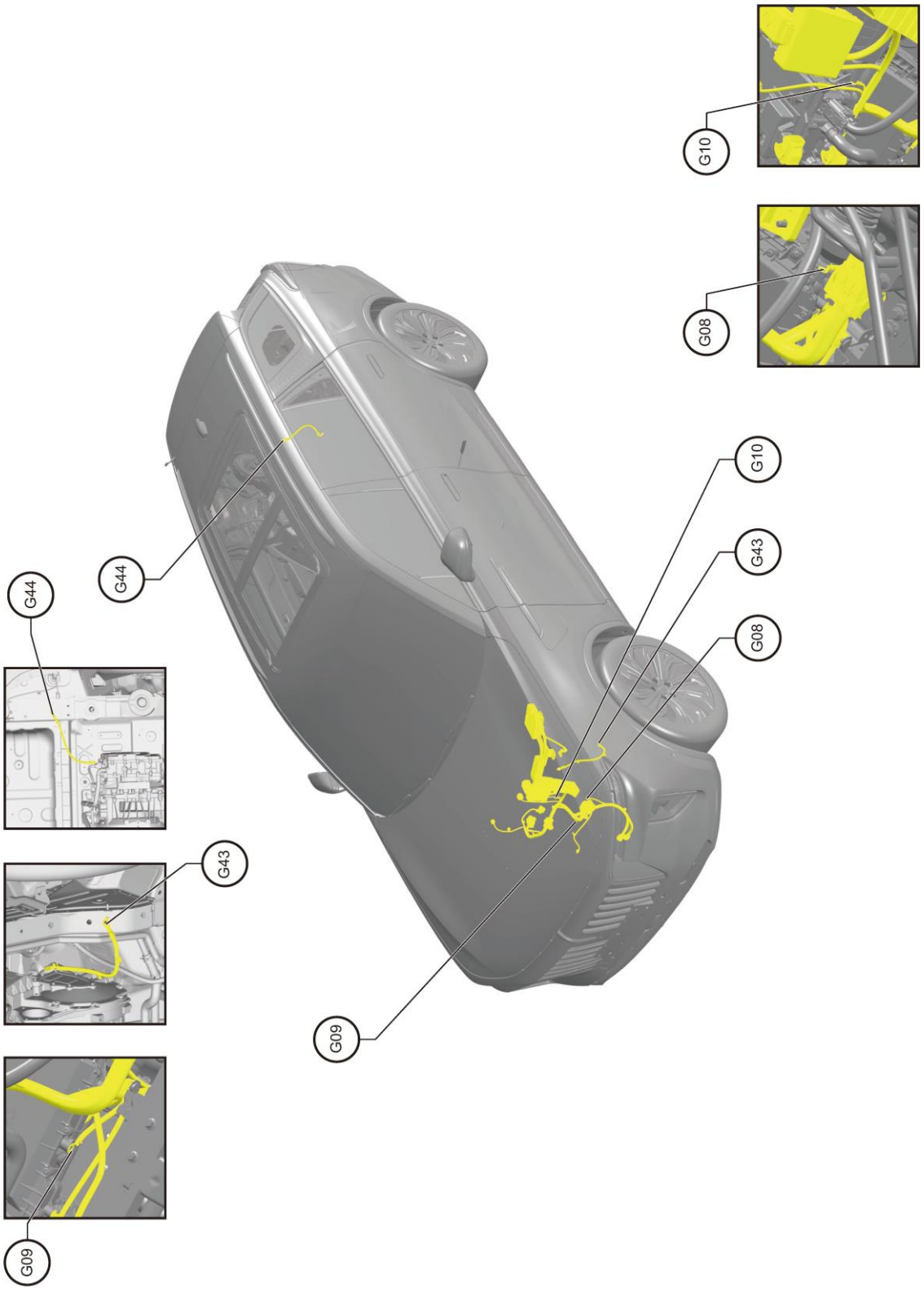
Location of common connectors



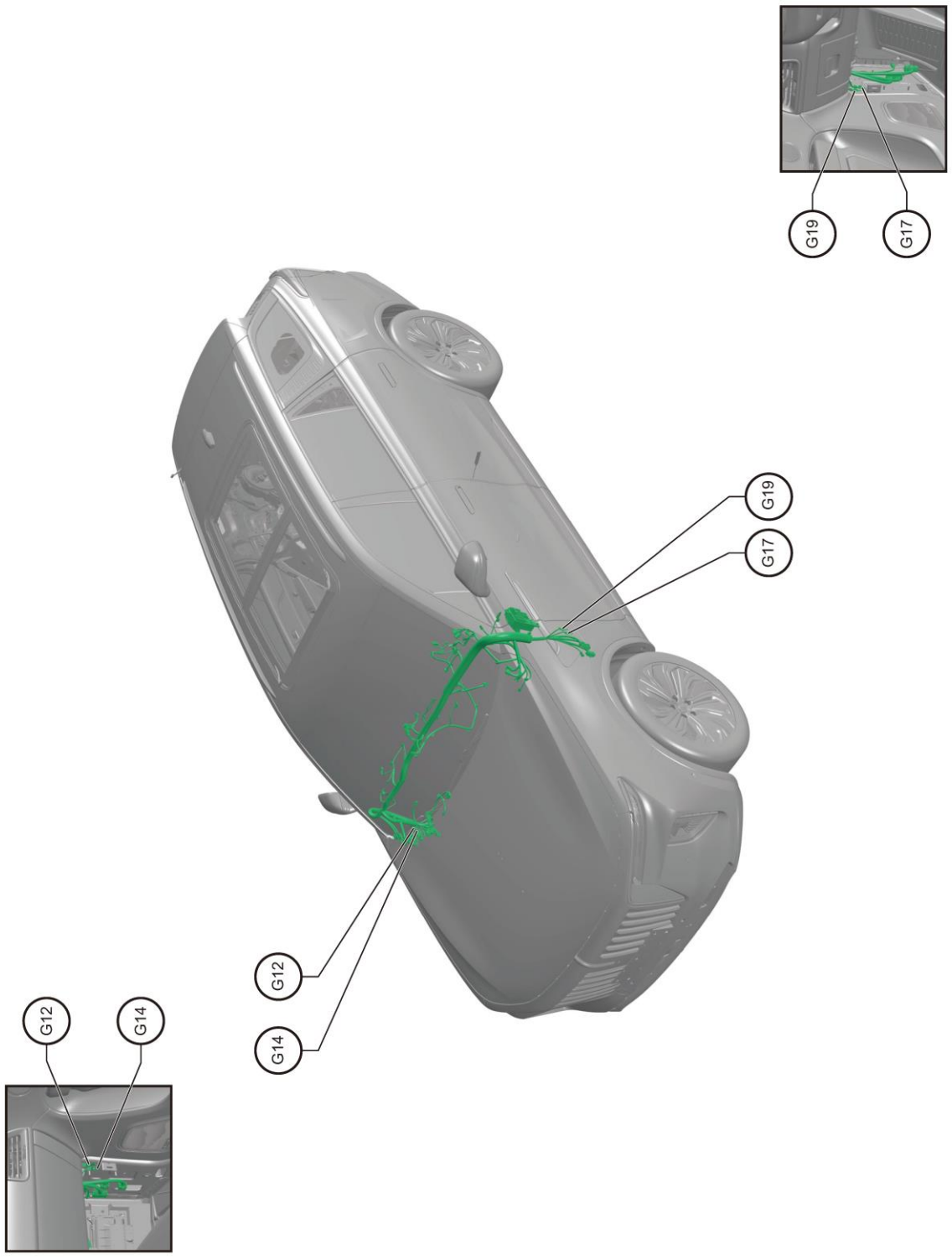
Location of common connectors



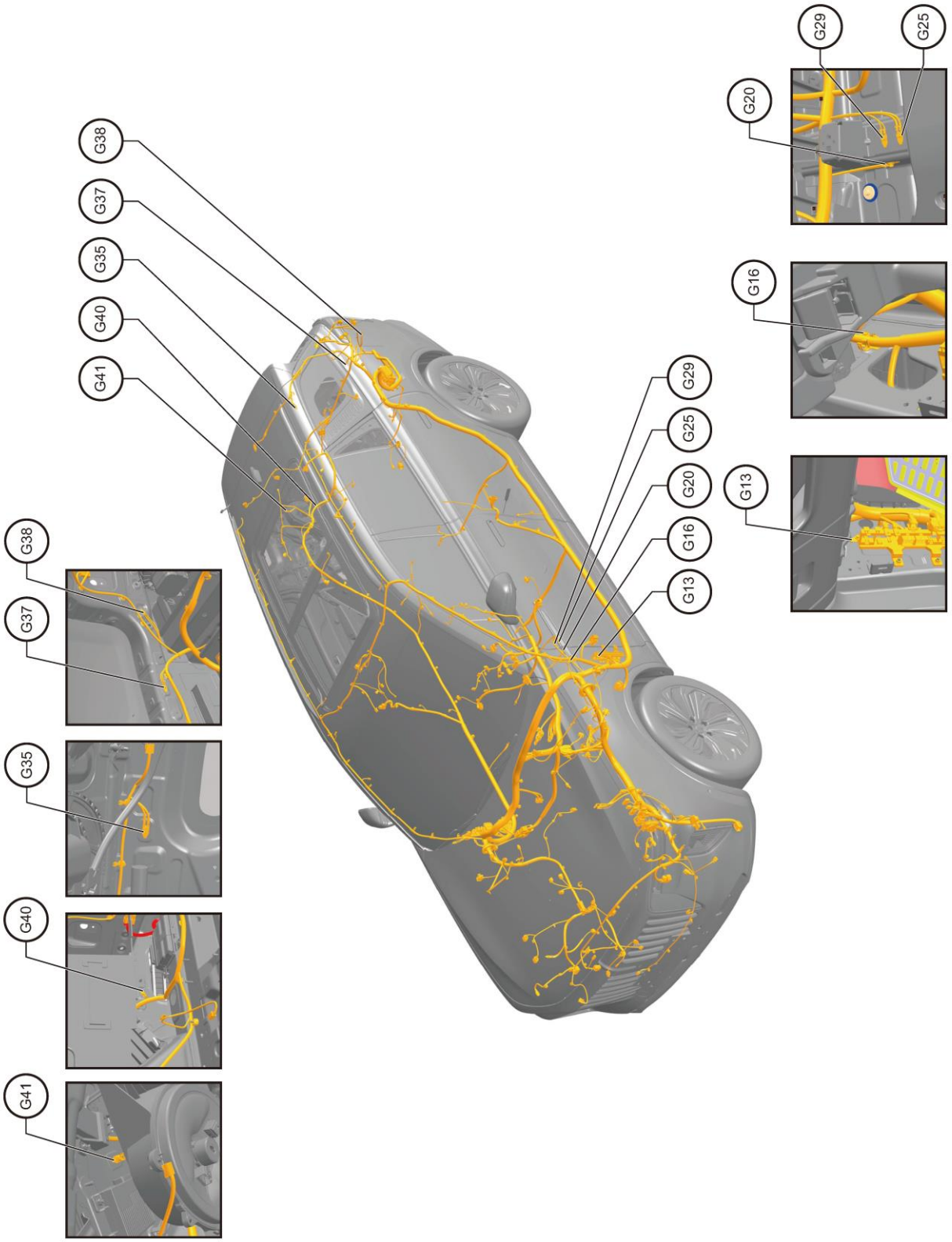
Location of power harness grounds



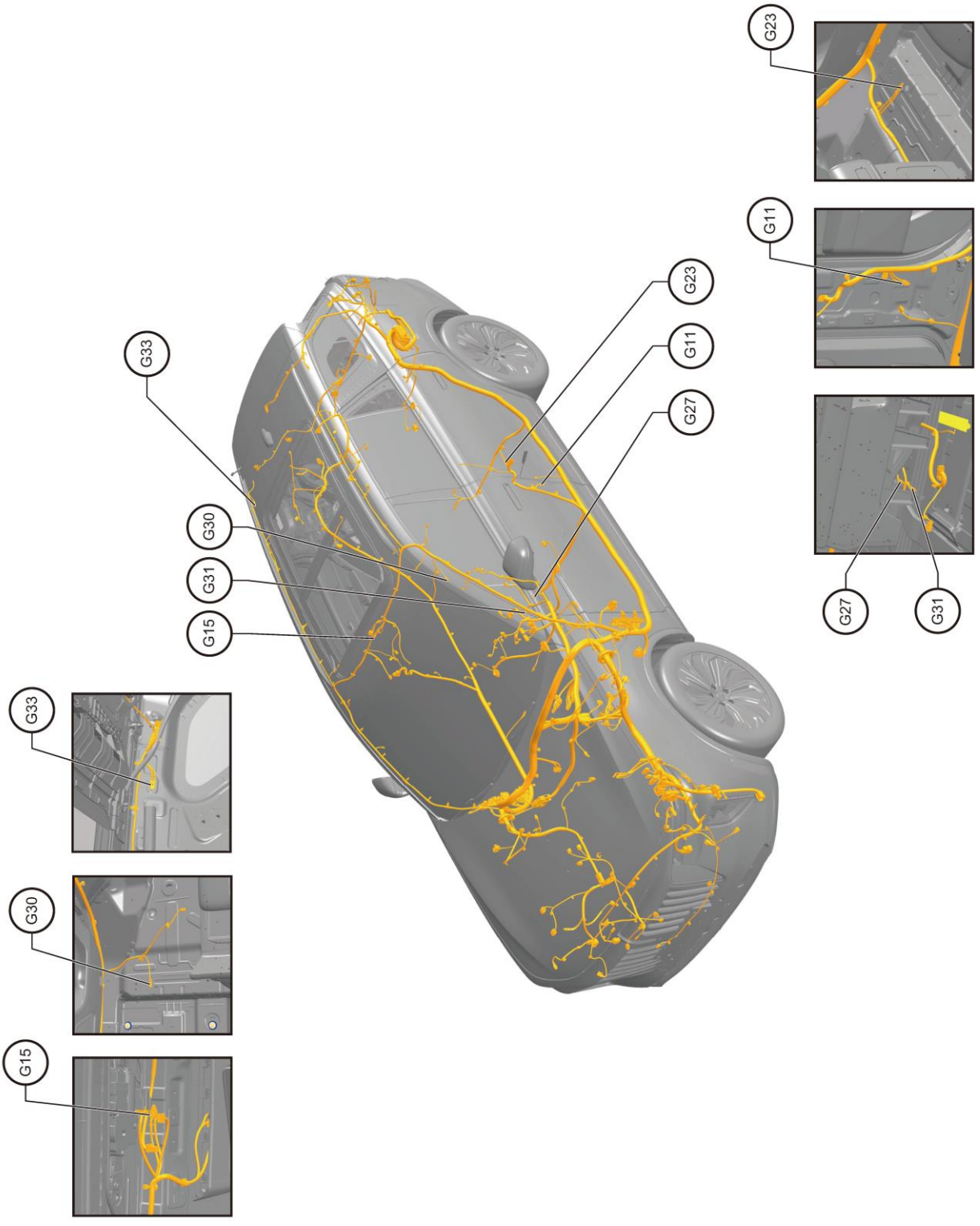
Location of instrument harness grounds



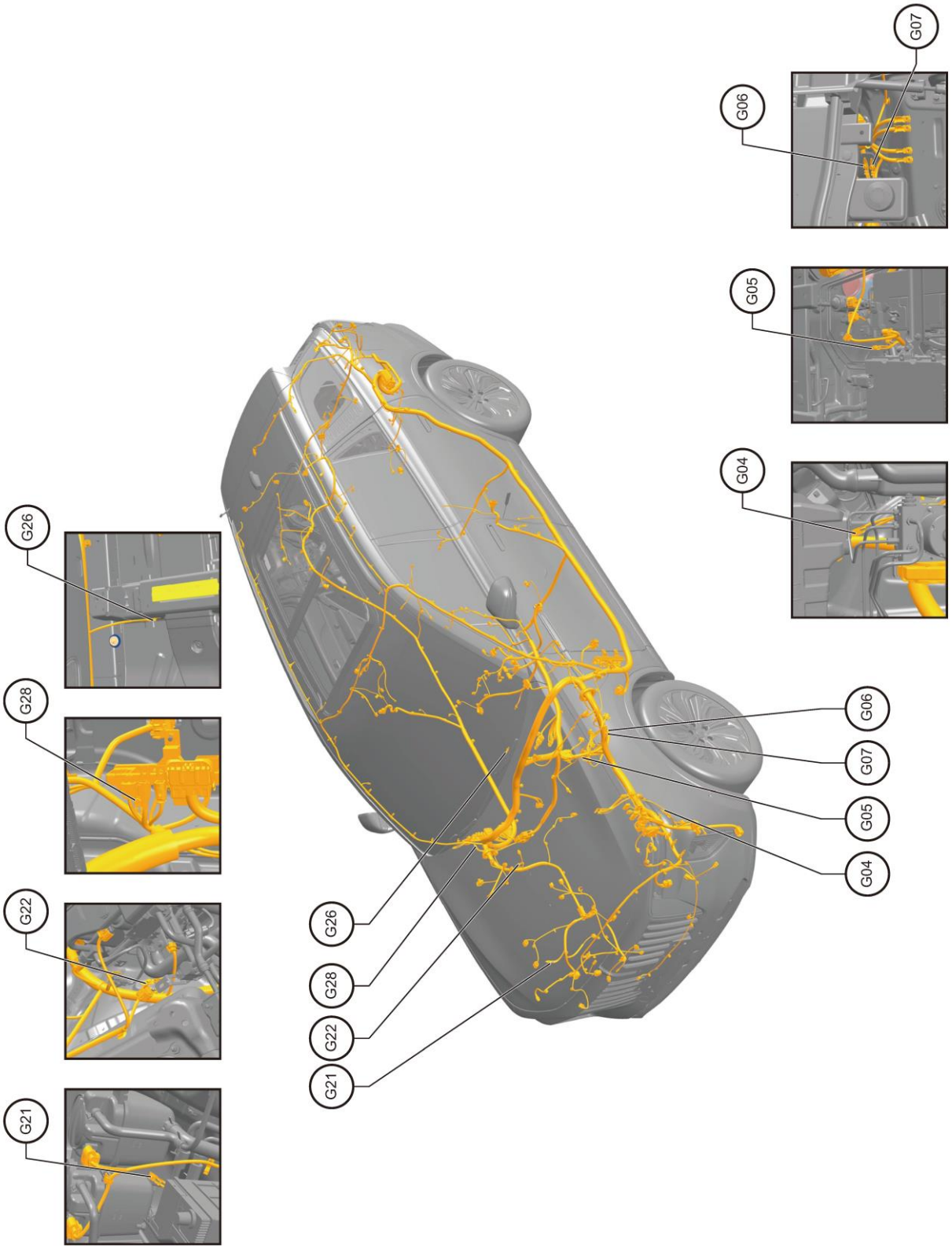
Body harness GND point location



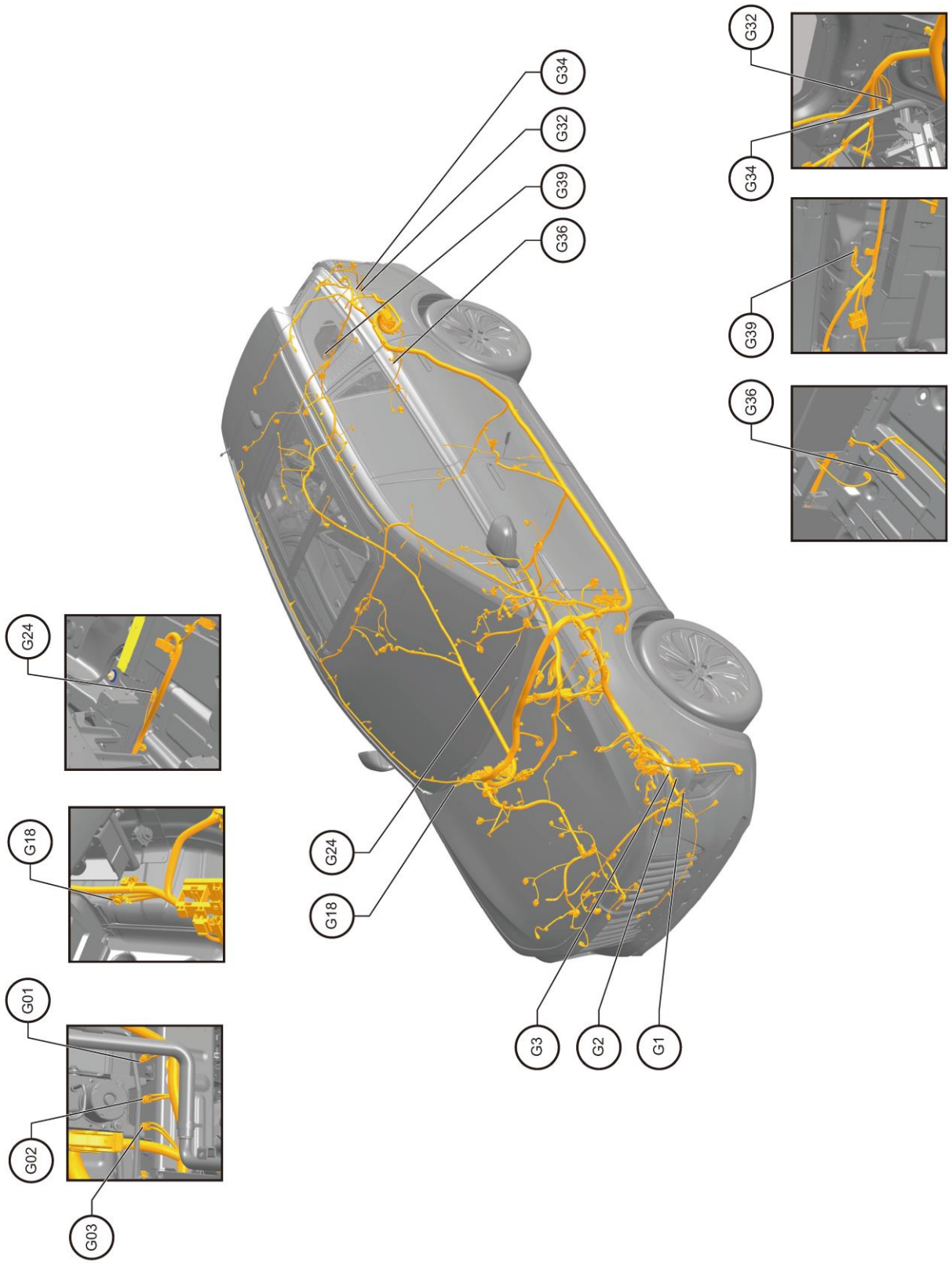
Body harness GND point location



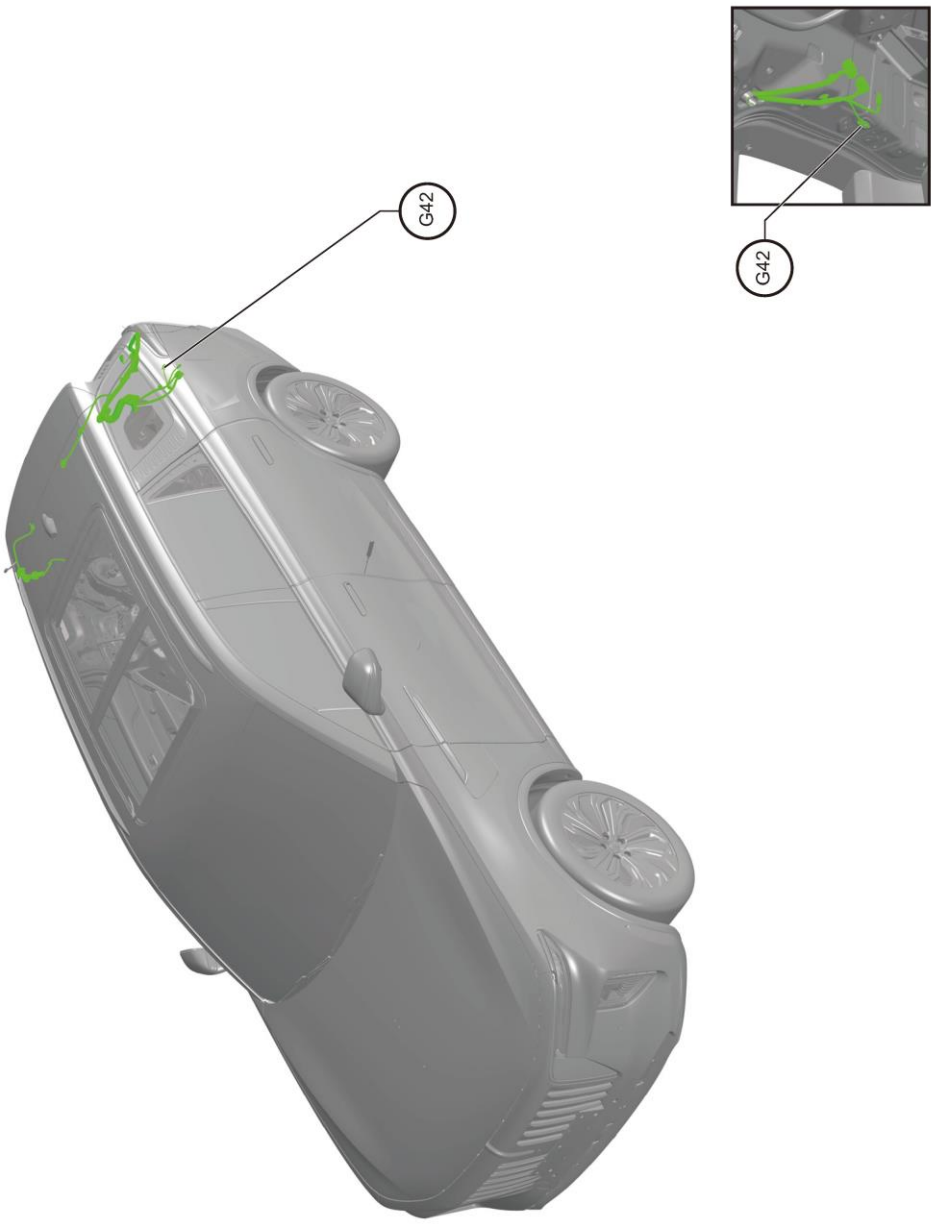
Body harness GND point location



Body harness GND point location

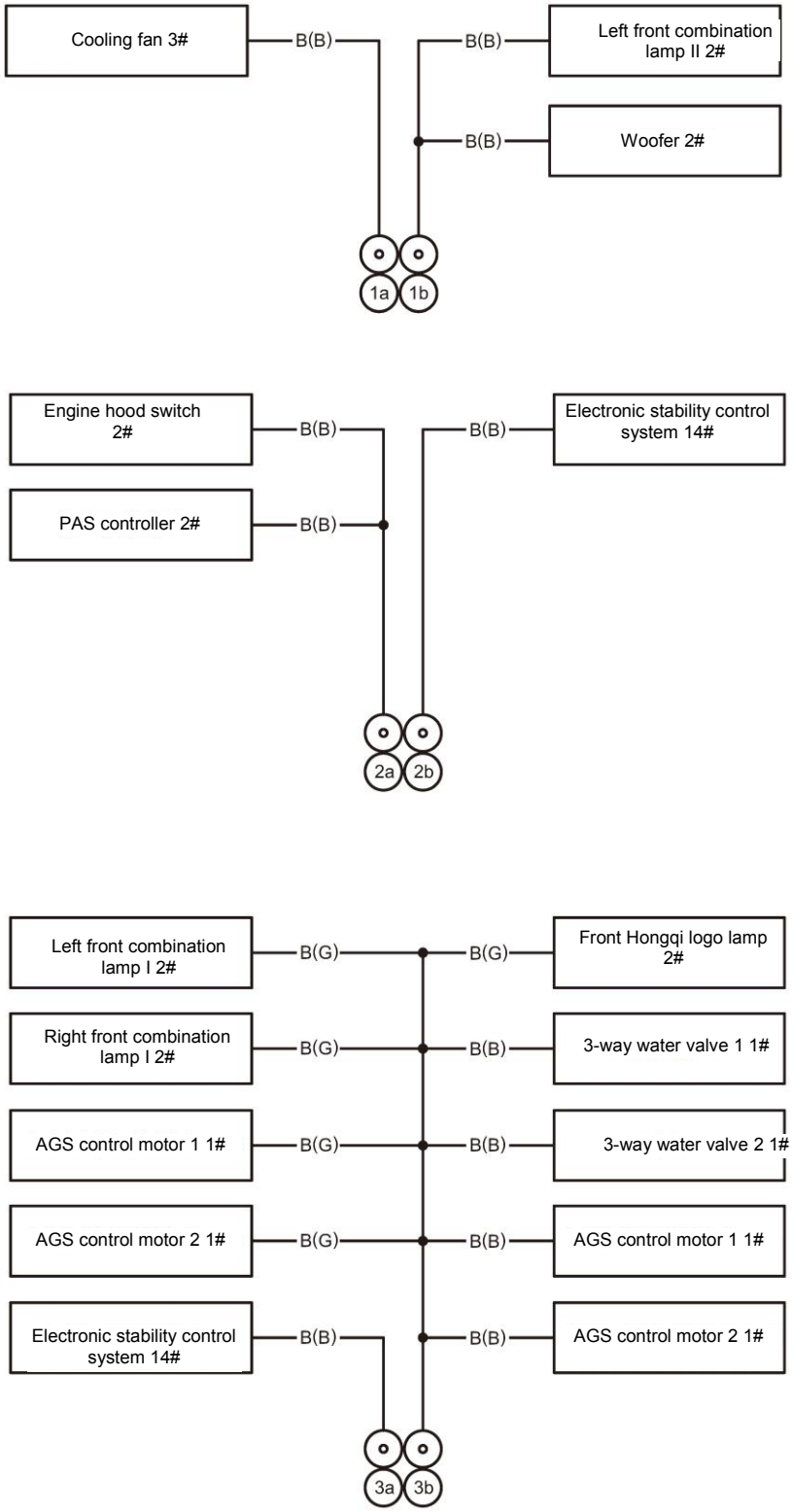


Location of PLG harness ground points

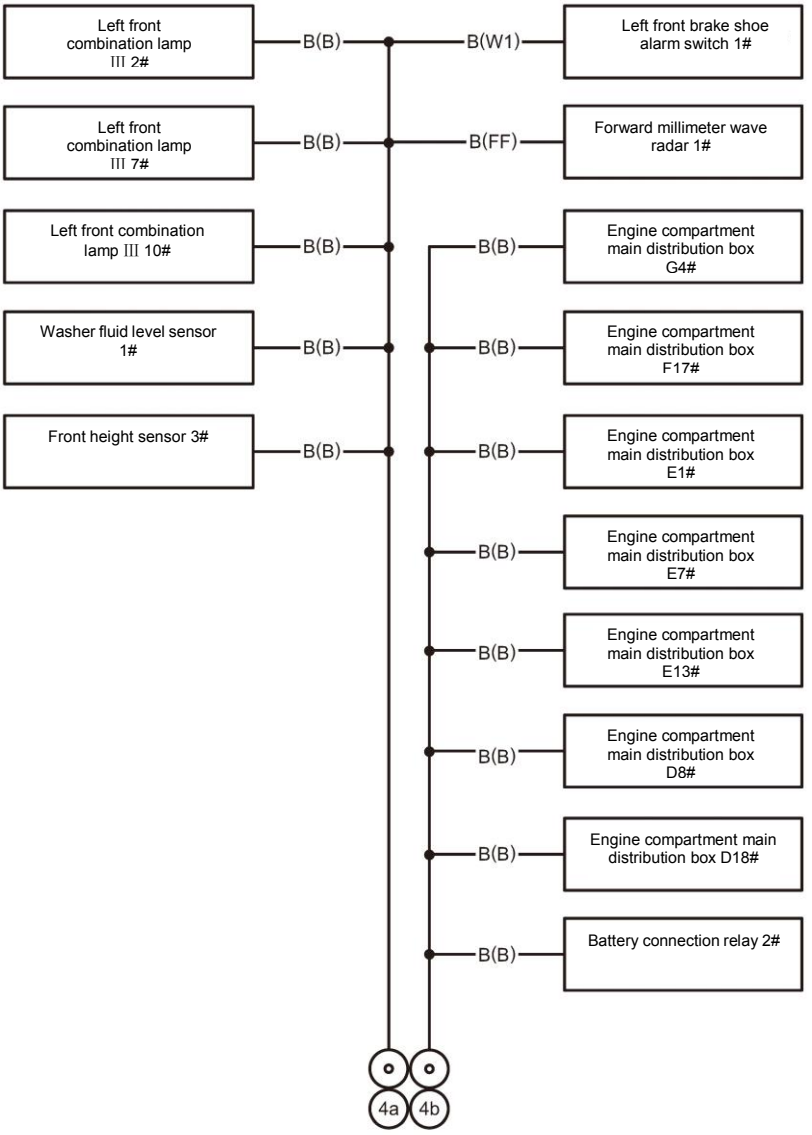


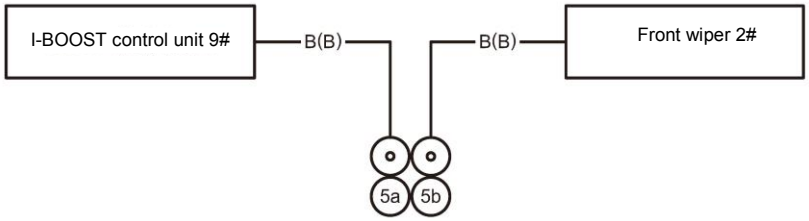
G Ground

The wiring diagram for grounds shows the connection between all the main parts and the grounds. When troubleshooting the faulty grounds, checking the system circuit of the common grounding points will allow you to quickly identify the location of the faulty ground. This method can also be used to check the relationship between the grounds.

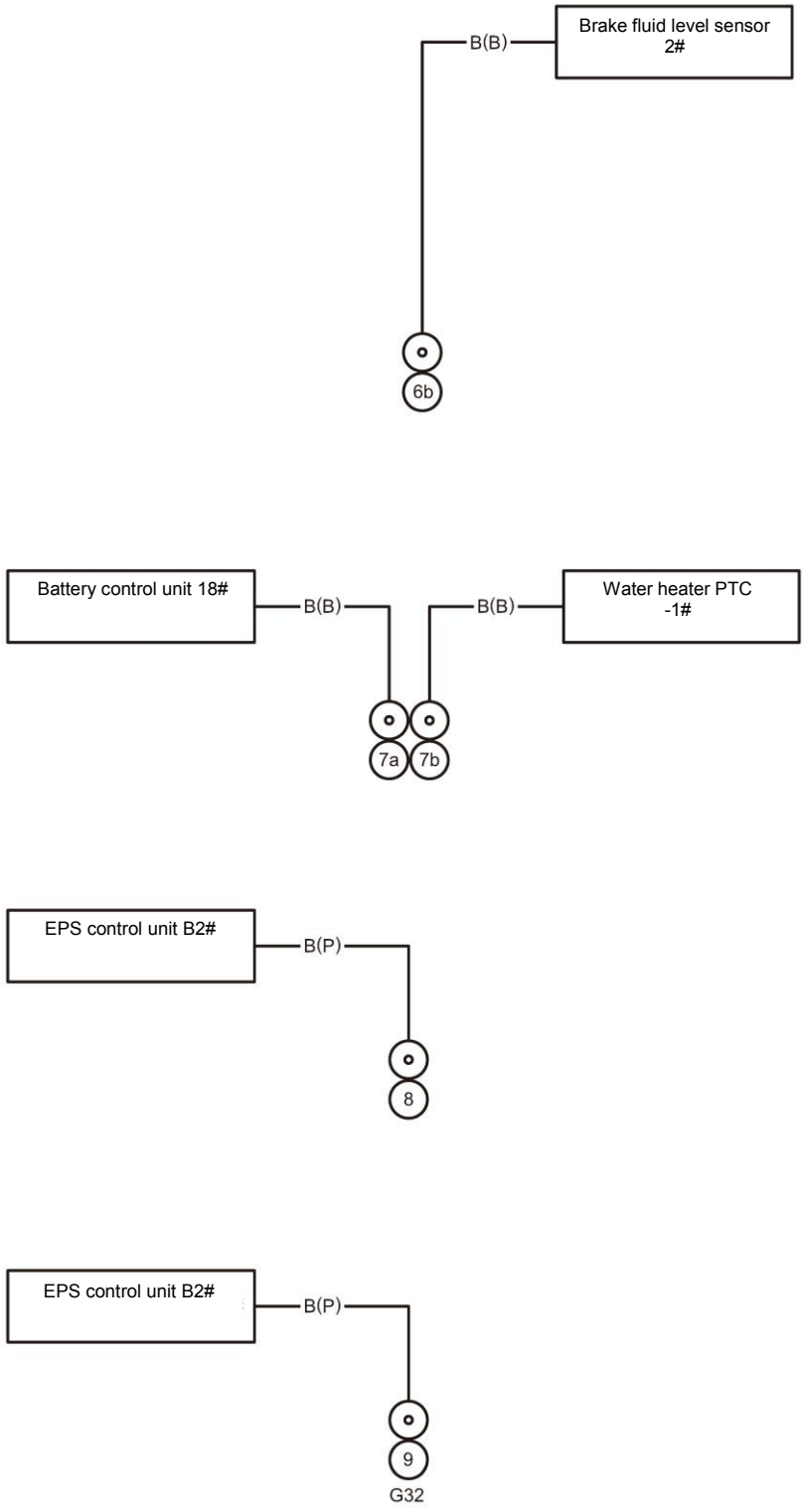


*This system diagram is only for reference. It differs from the actual circuit in the chapter System Circuit.

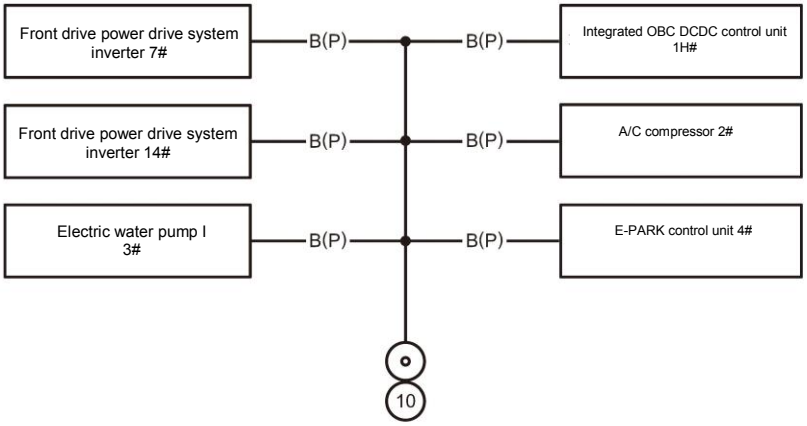


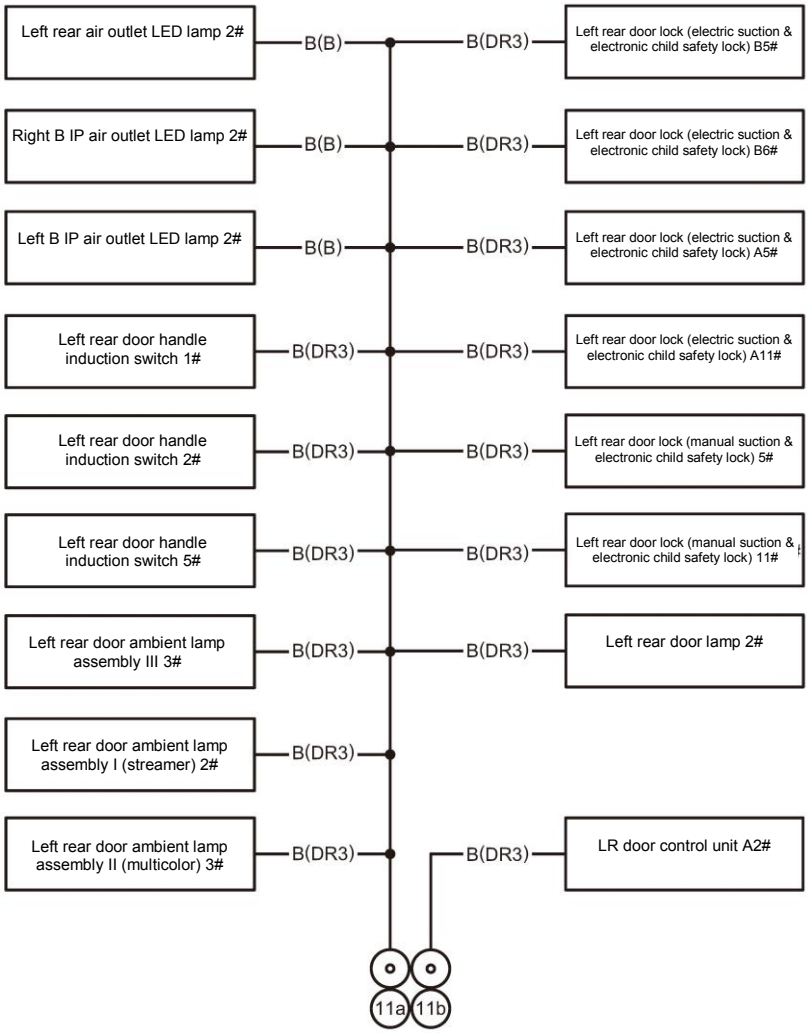


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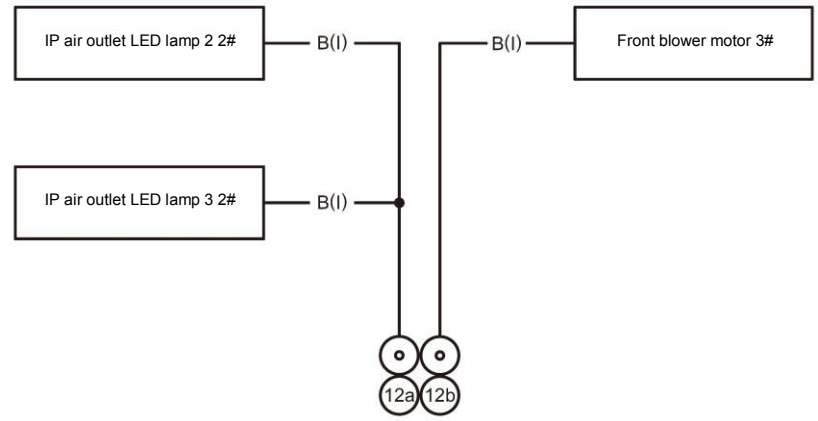


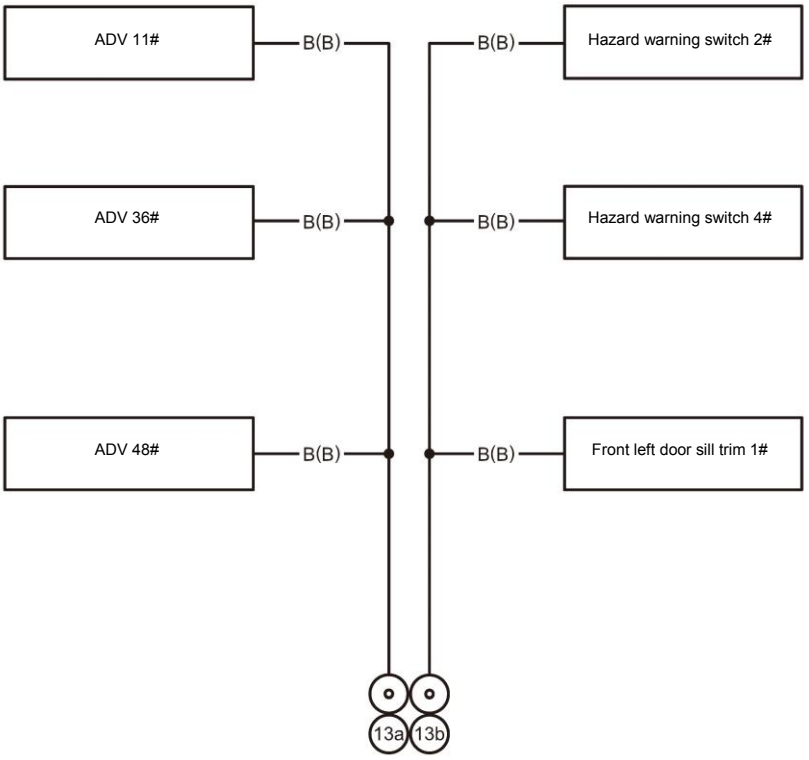
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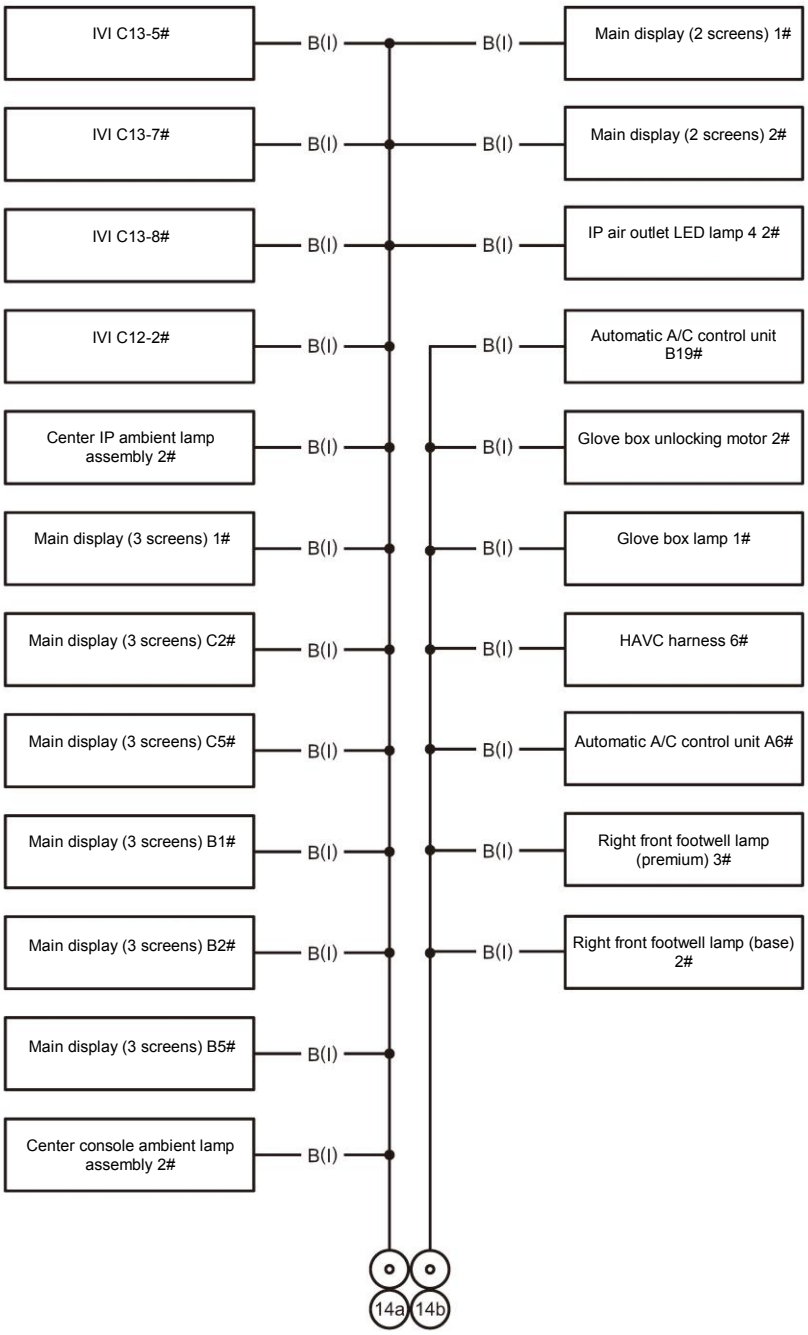


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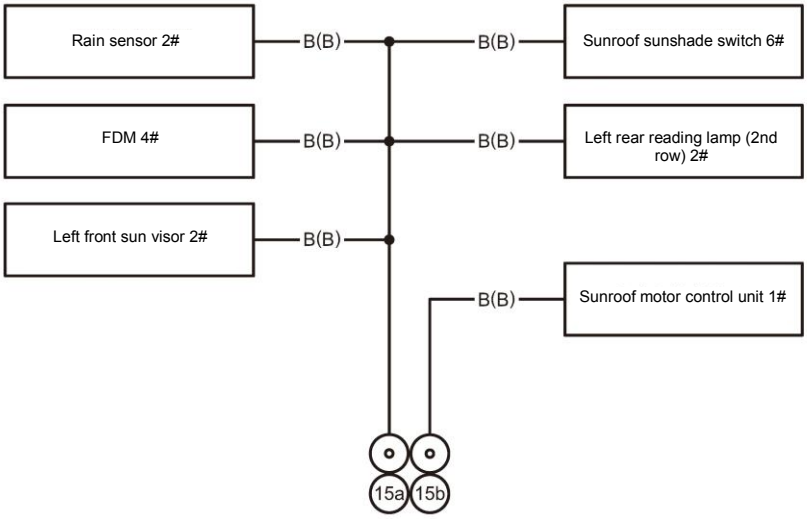


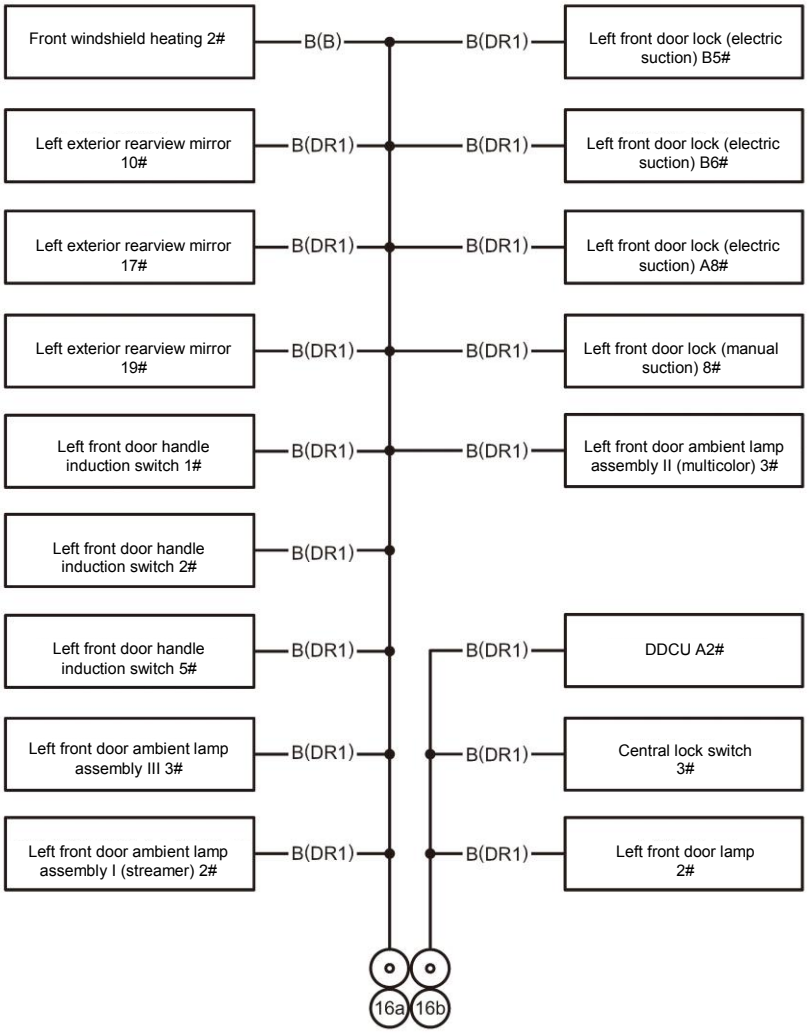


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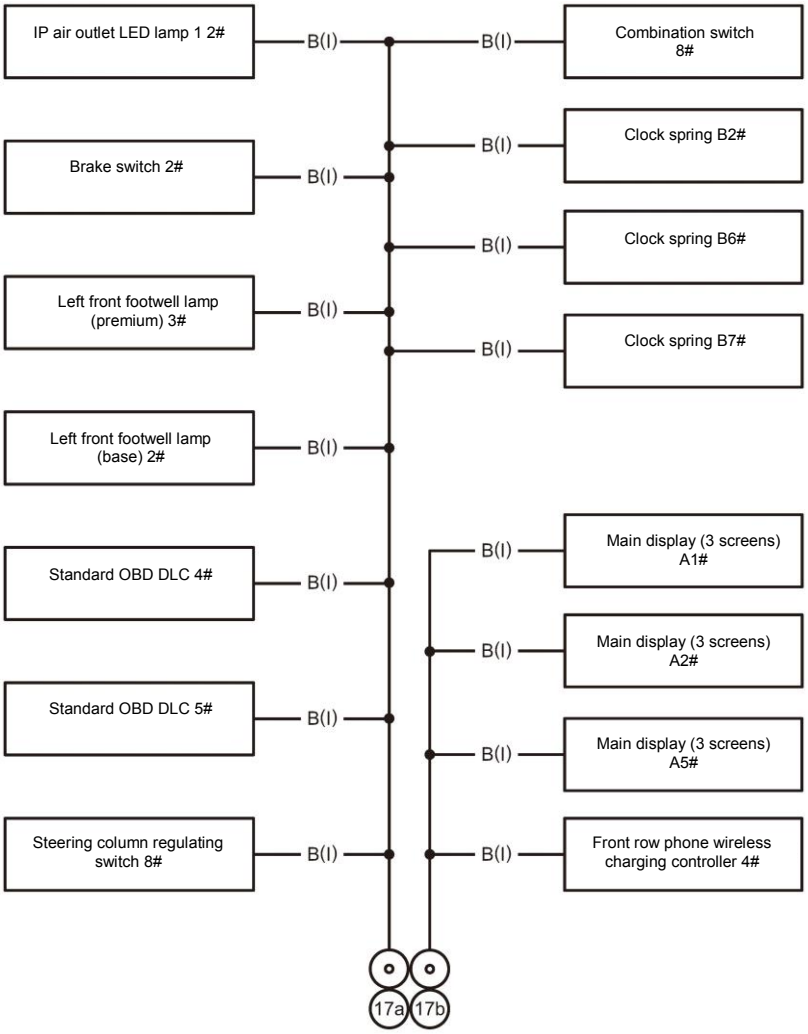


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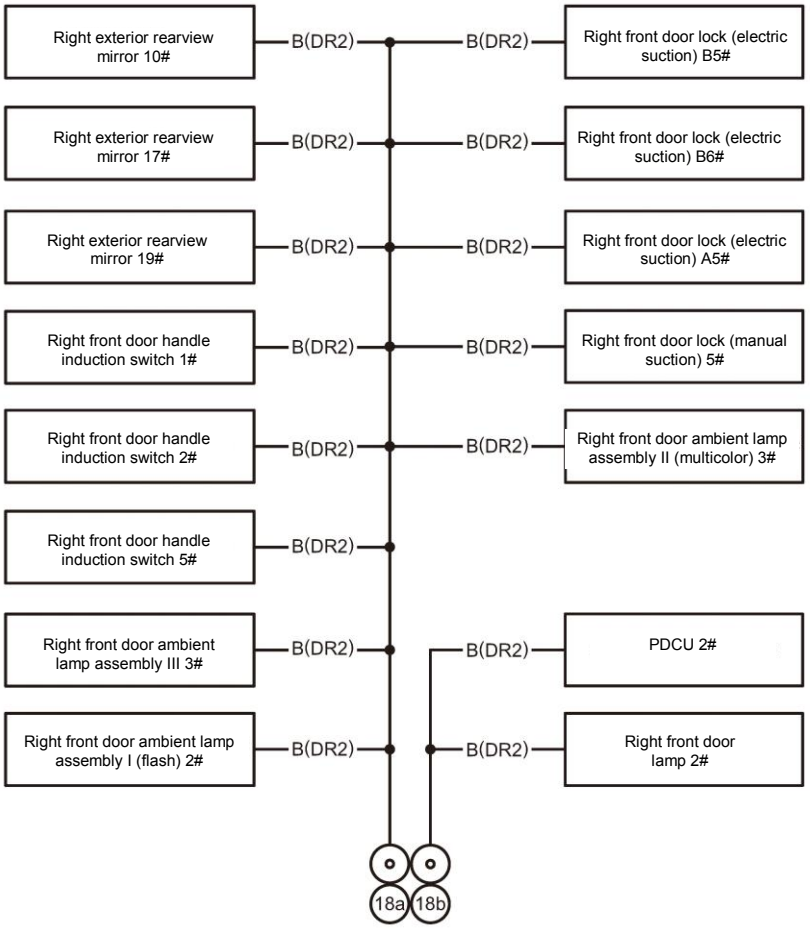


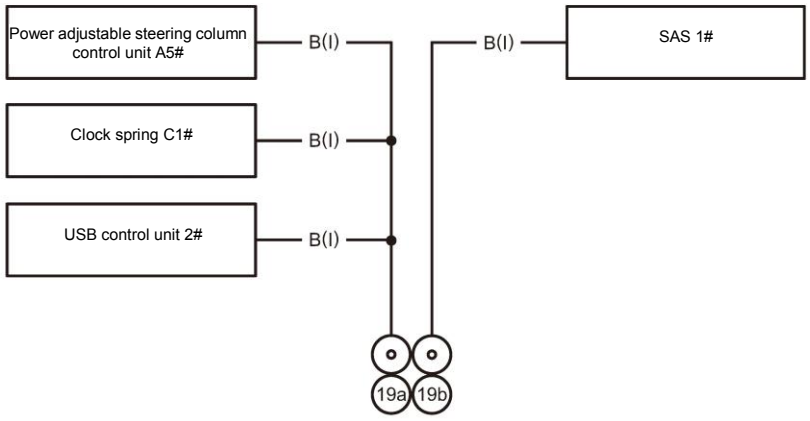


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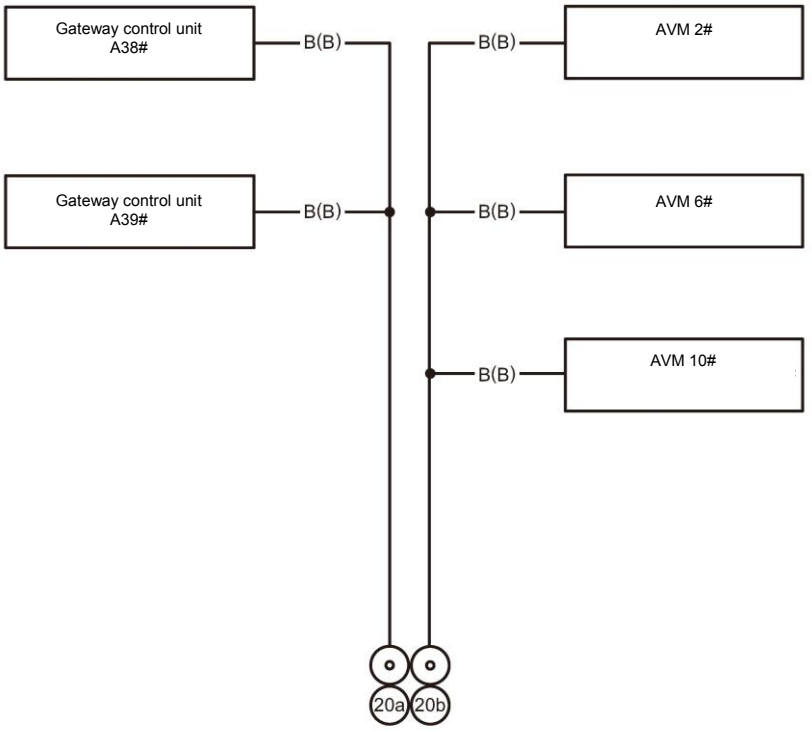


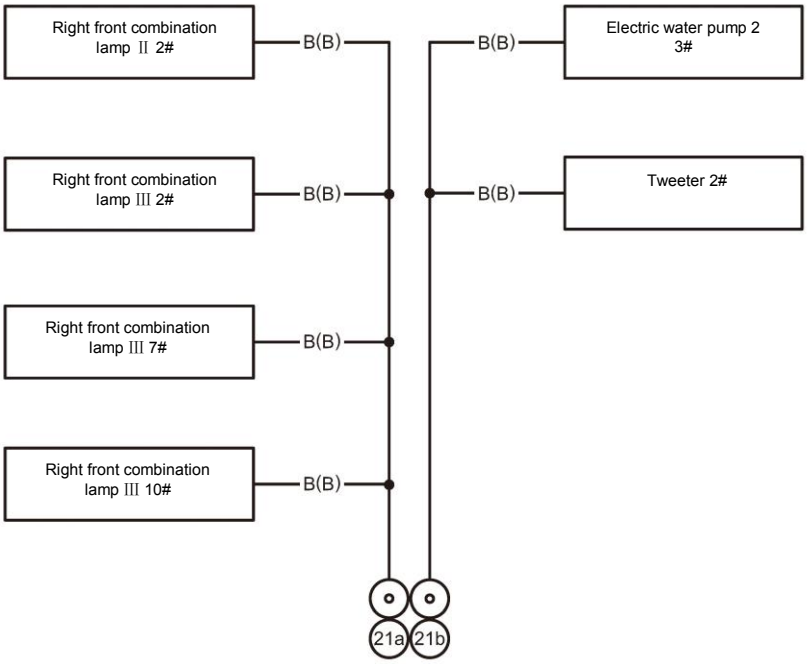
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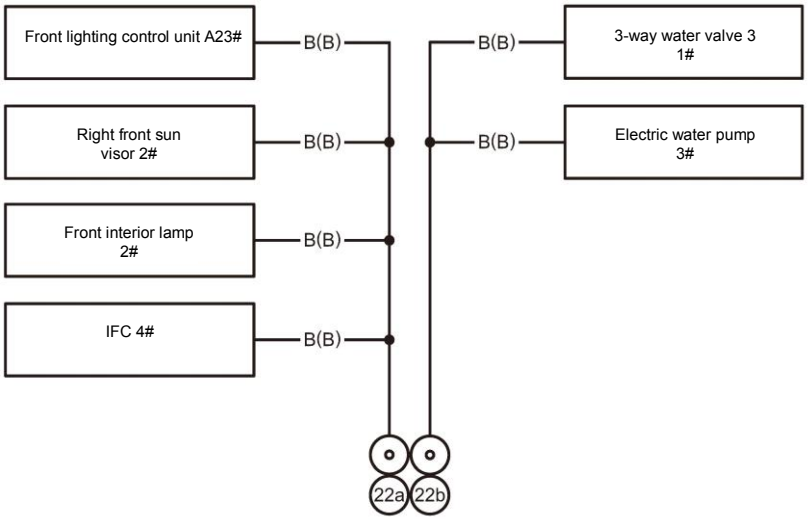


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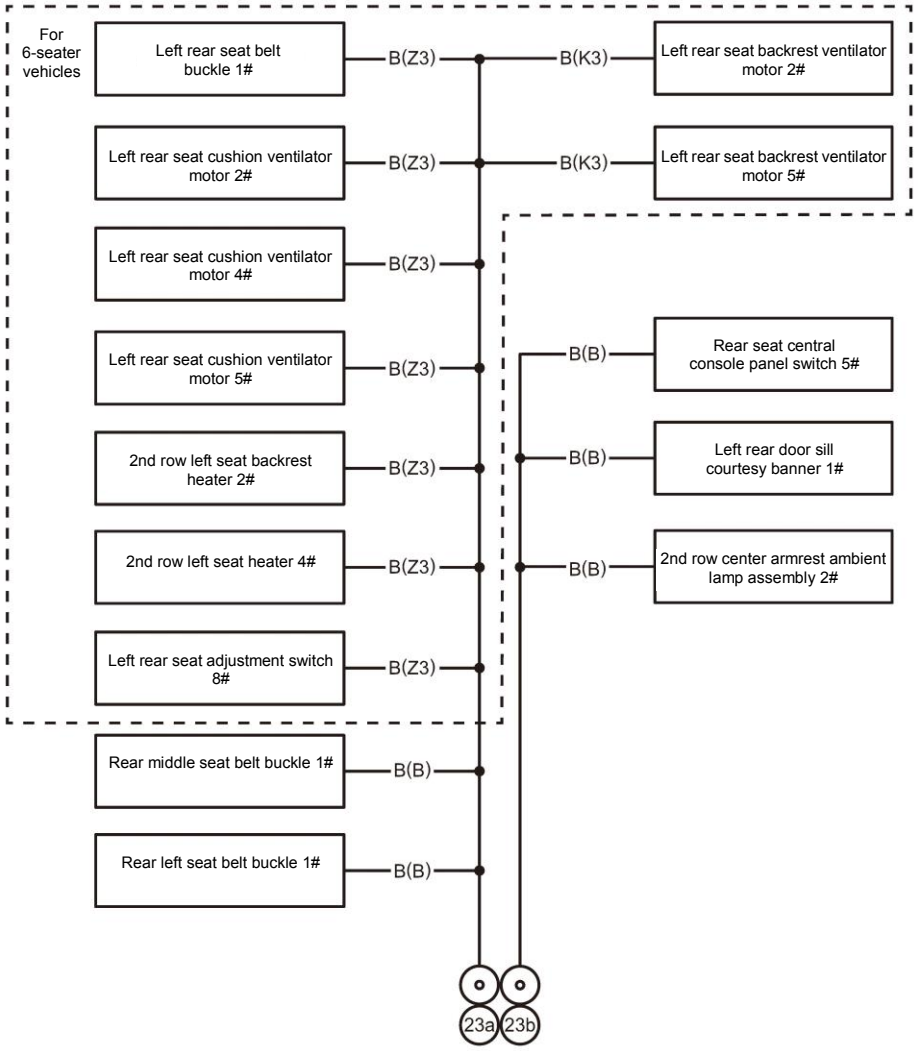




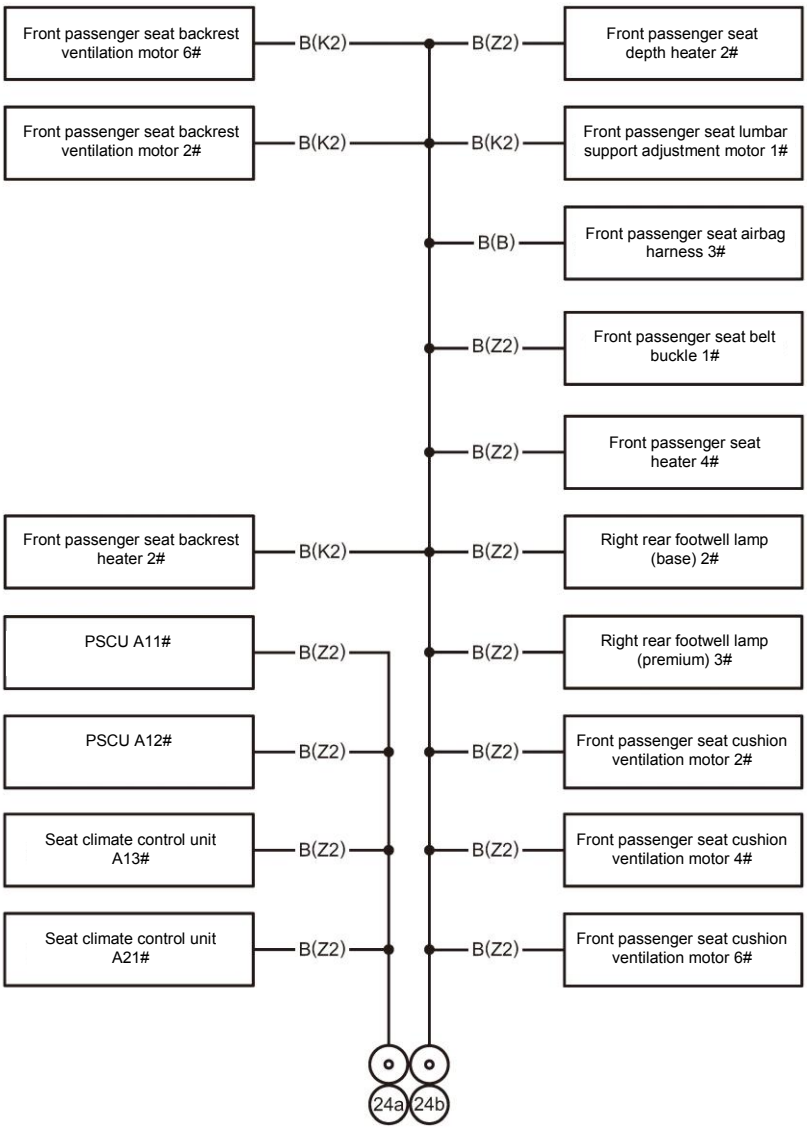
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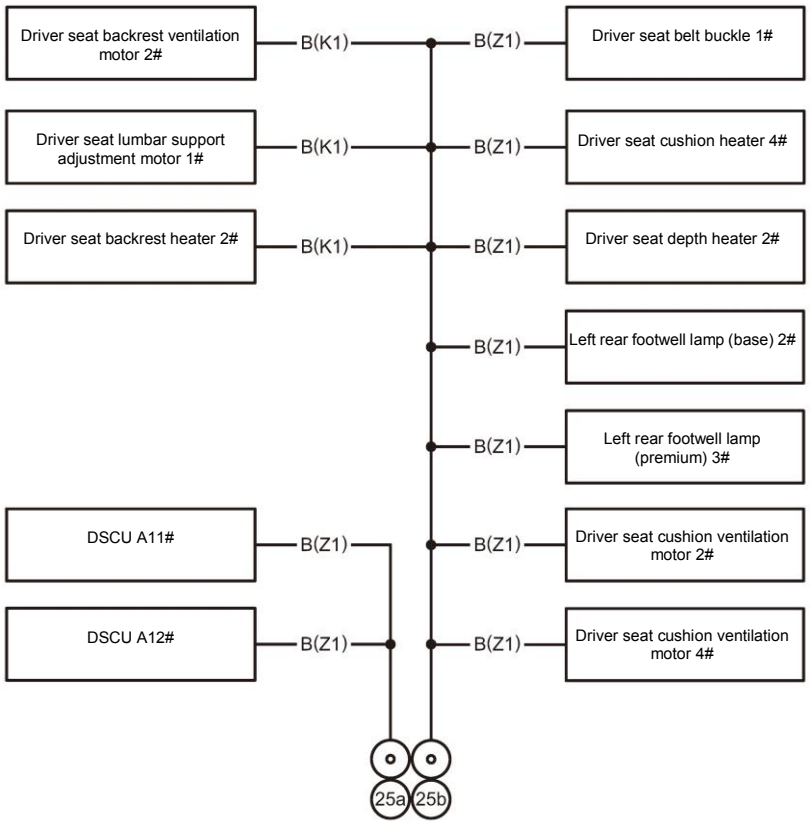
*This system diagram is only for reference. It differs from the actual circuit in the chapter System Circuit.



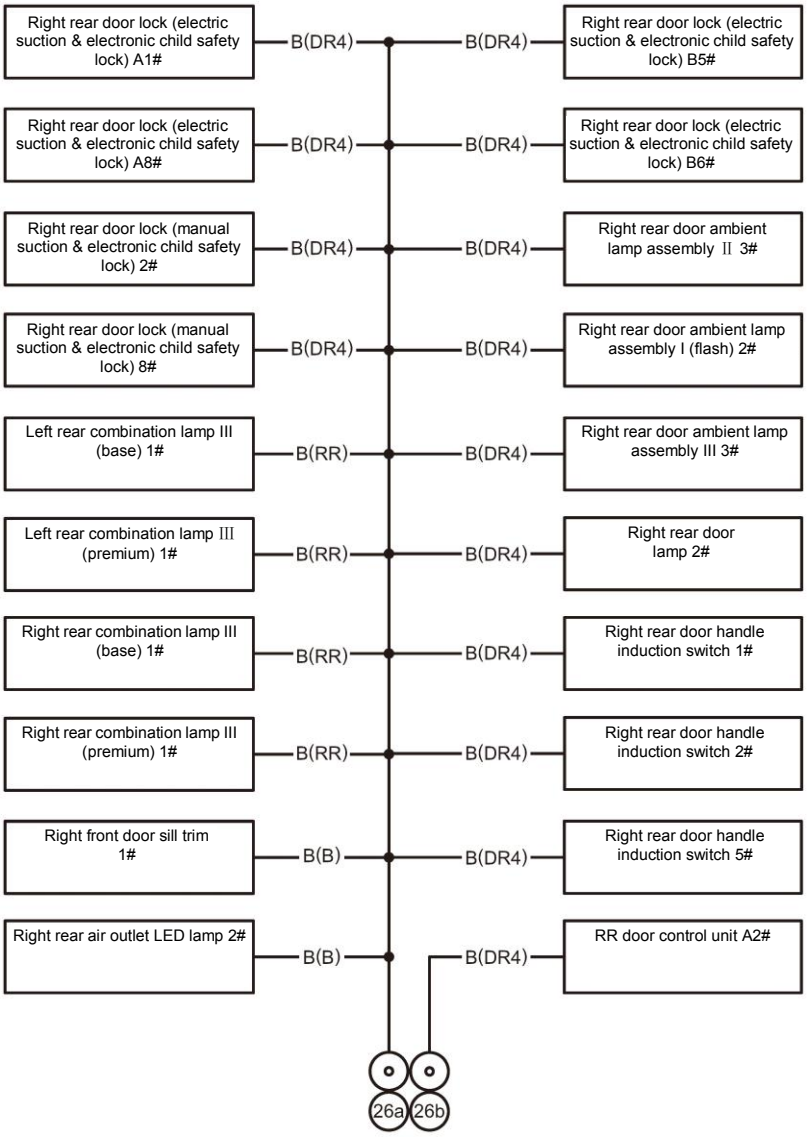
*This system diagram is only for reference. It differs from the actual circuit in the chapter System Circuit.



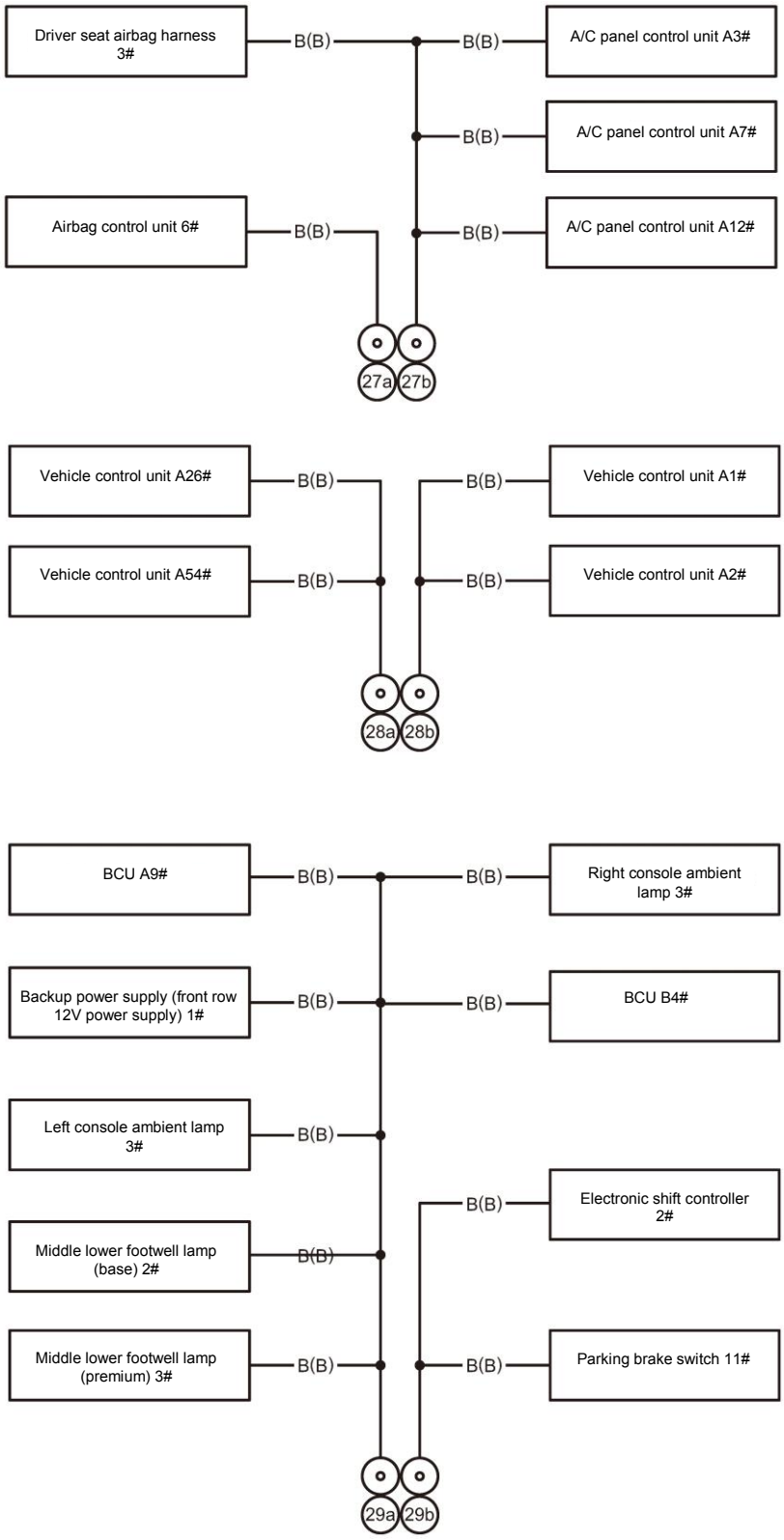
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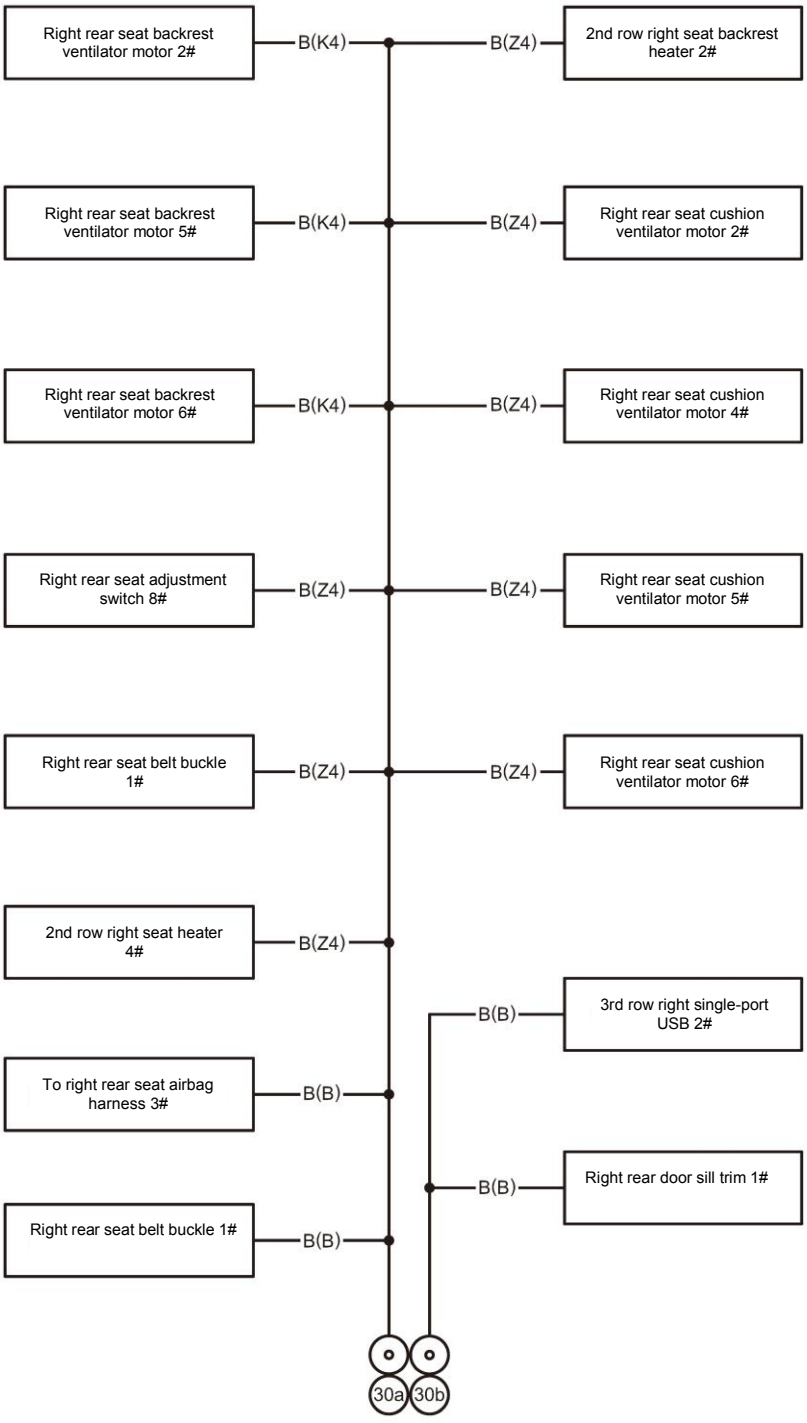
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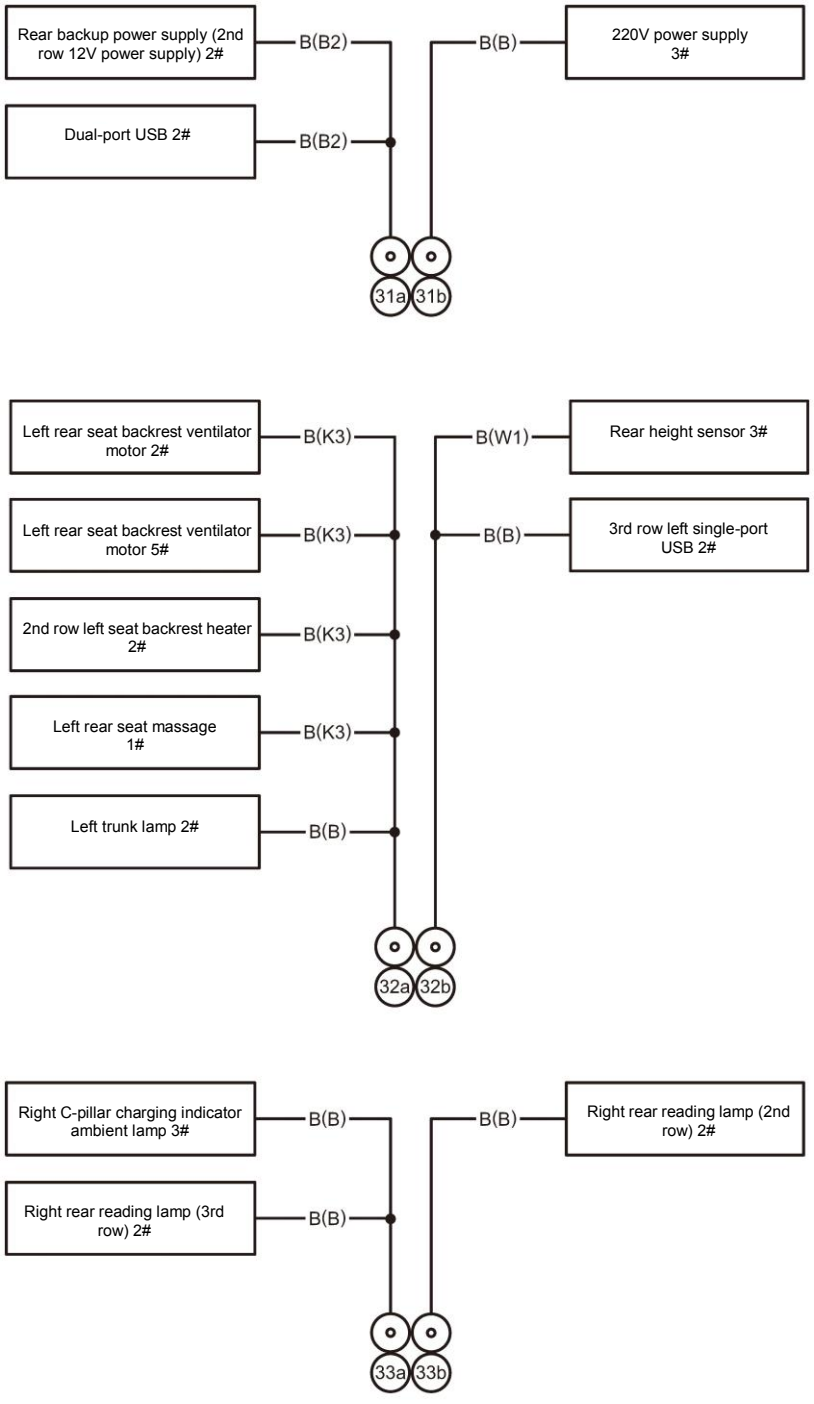
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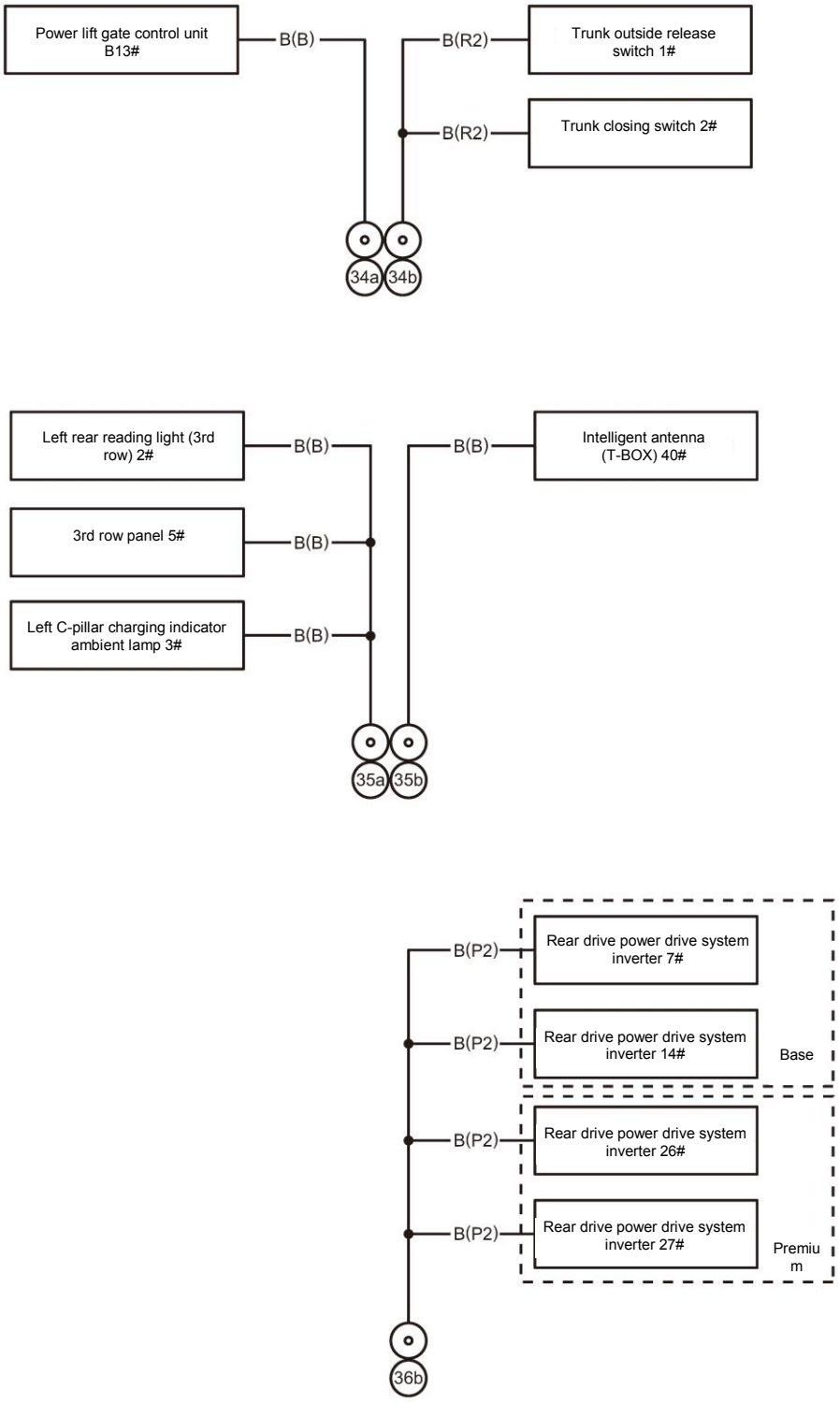
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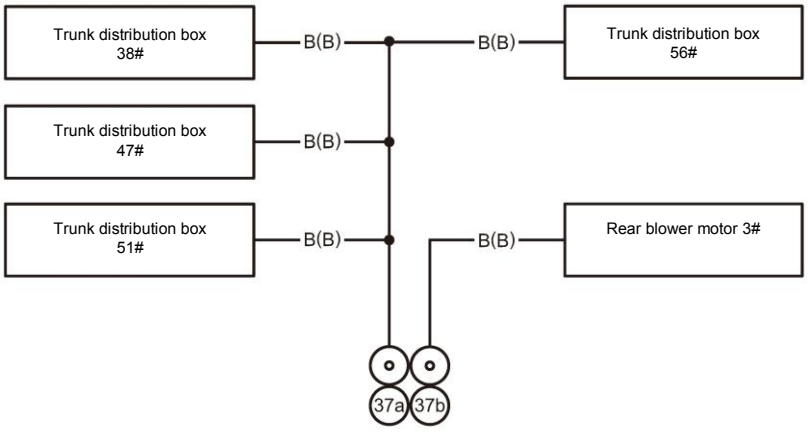
*This system diagram is only for reference. It differs from the actual circuit in the chapter System Circuit.

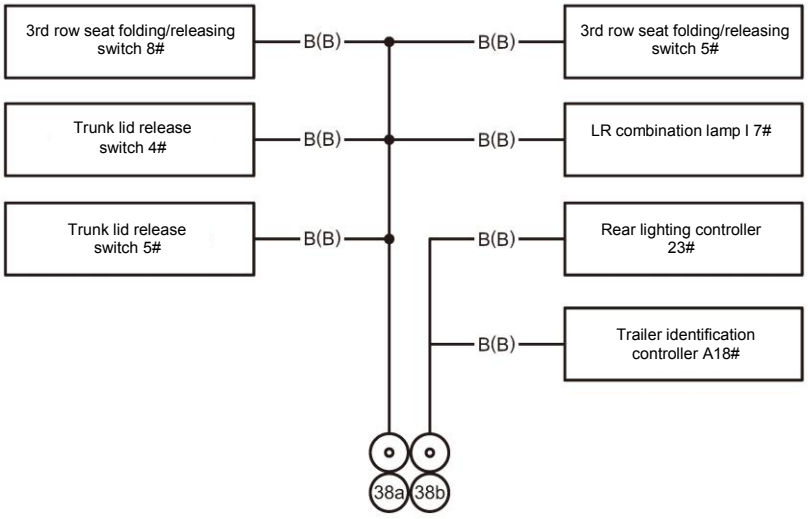


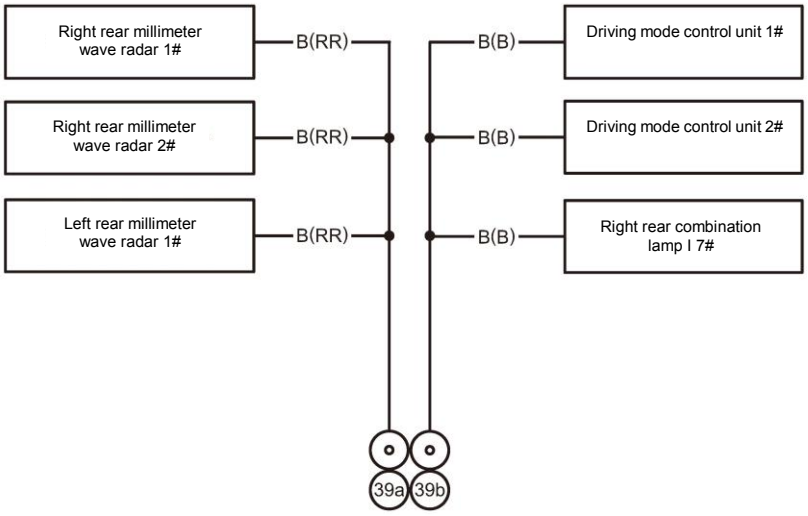
*This system diagram is only for reference. It differs from the actual circuit in the chapter System Circuit.



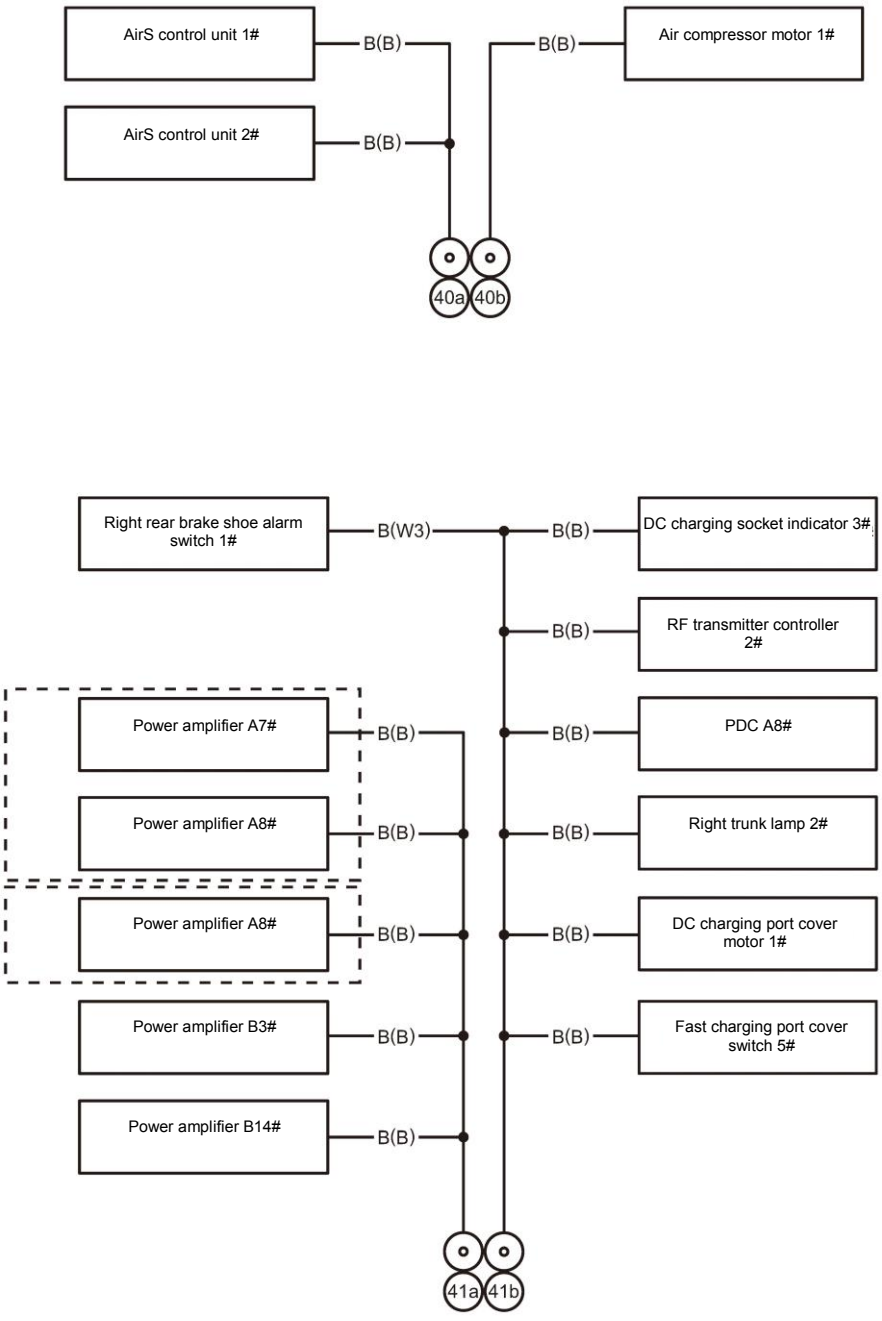
*This system diagram is only for reference. It differs from the actual circuit in the chapter System Circuit.



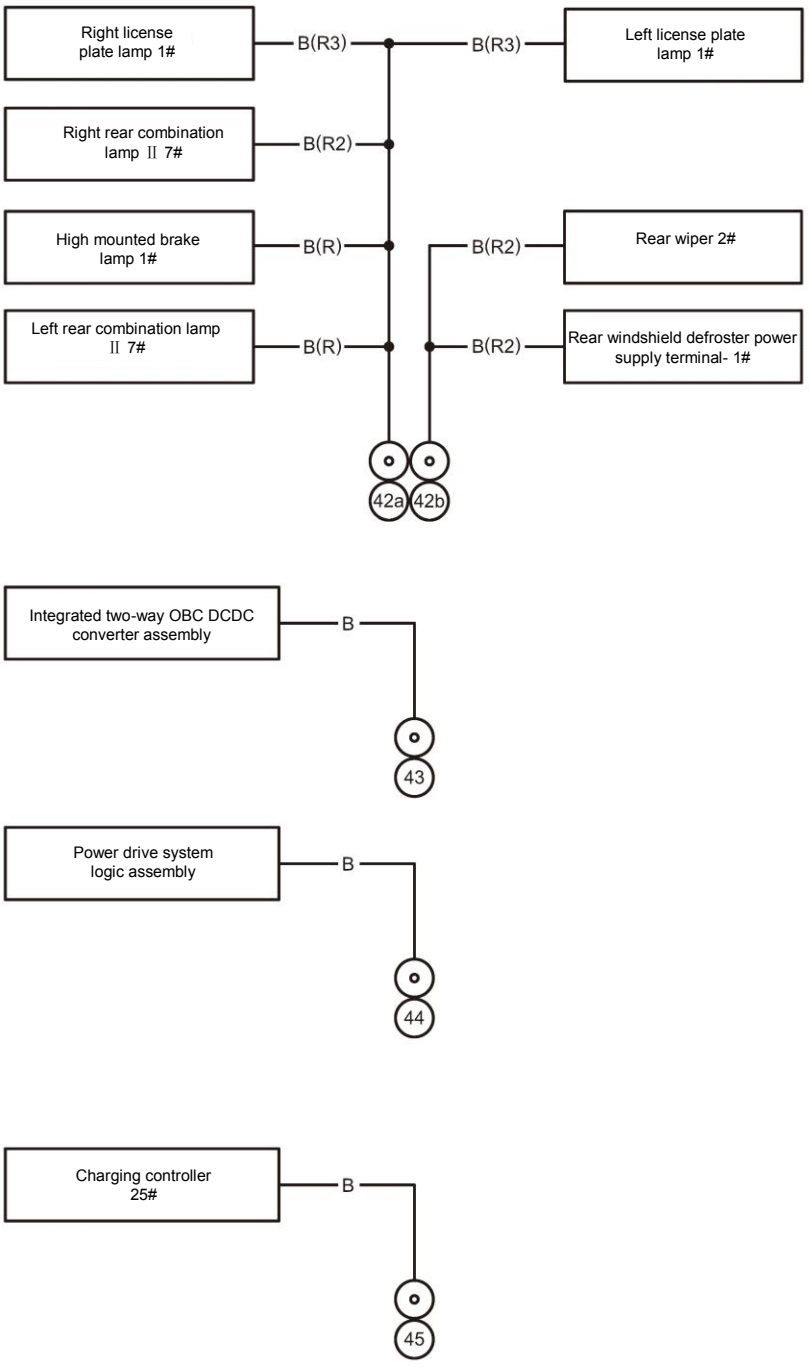




*This system diagram is only for reference. It differs from the actual circuit in the chapter System Circuit.



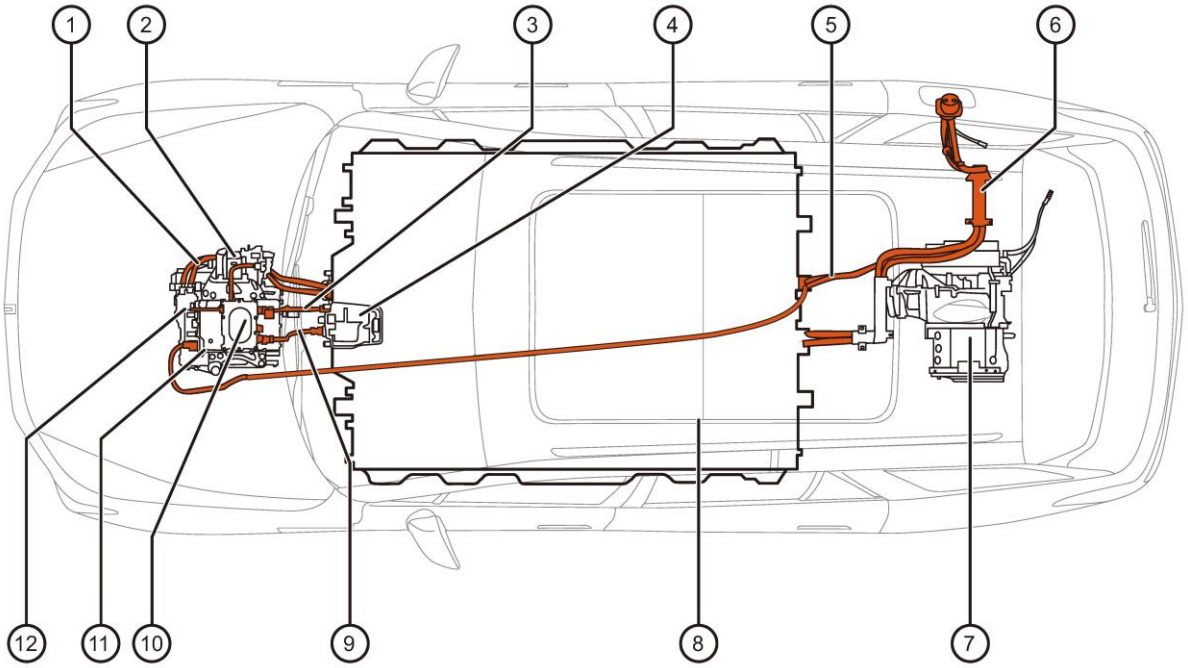
*This system diagram is only for reference. It differs from the actual circuit in the chapter System Circuit.



*This system diagram is only for reference. It differs from the actual circuit in the chapter System Circuit.

Location diagram of power supply high-voltage parts

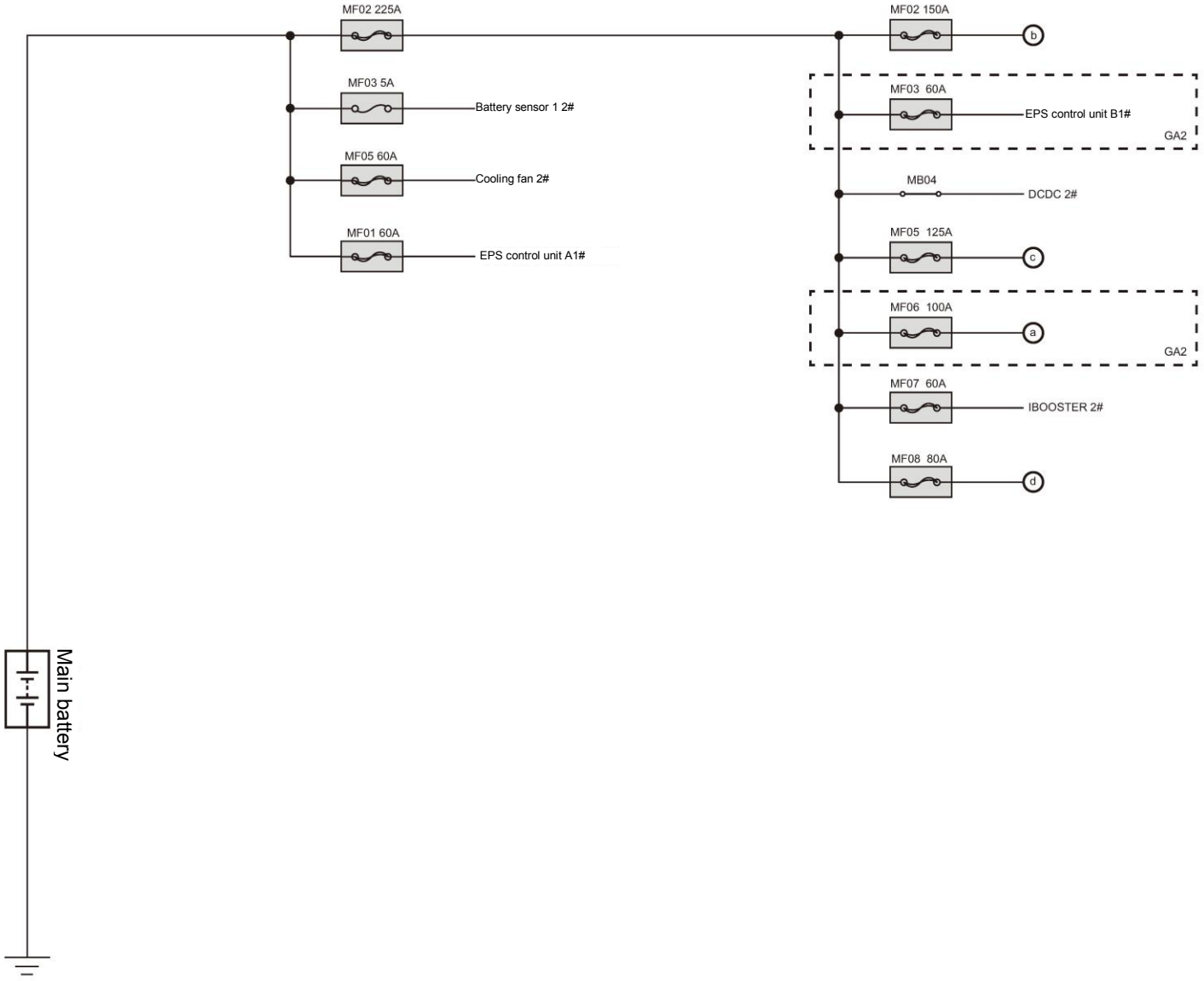
The following figure shows the connection and location of the high voltage components.

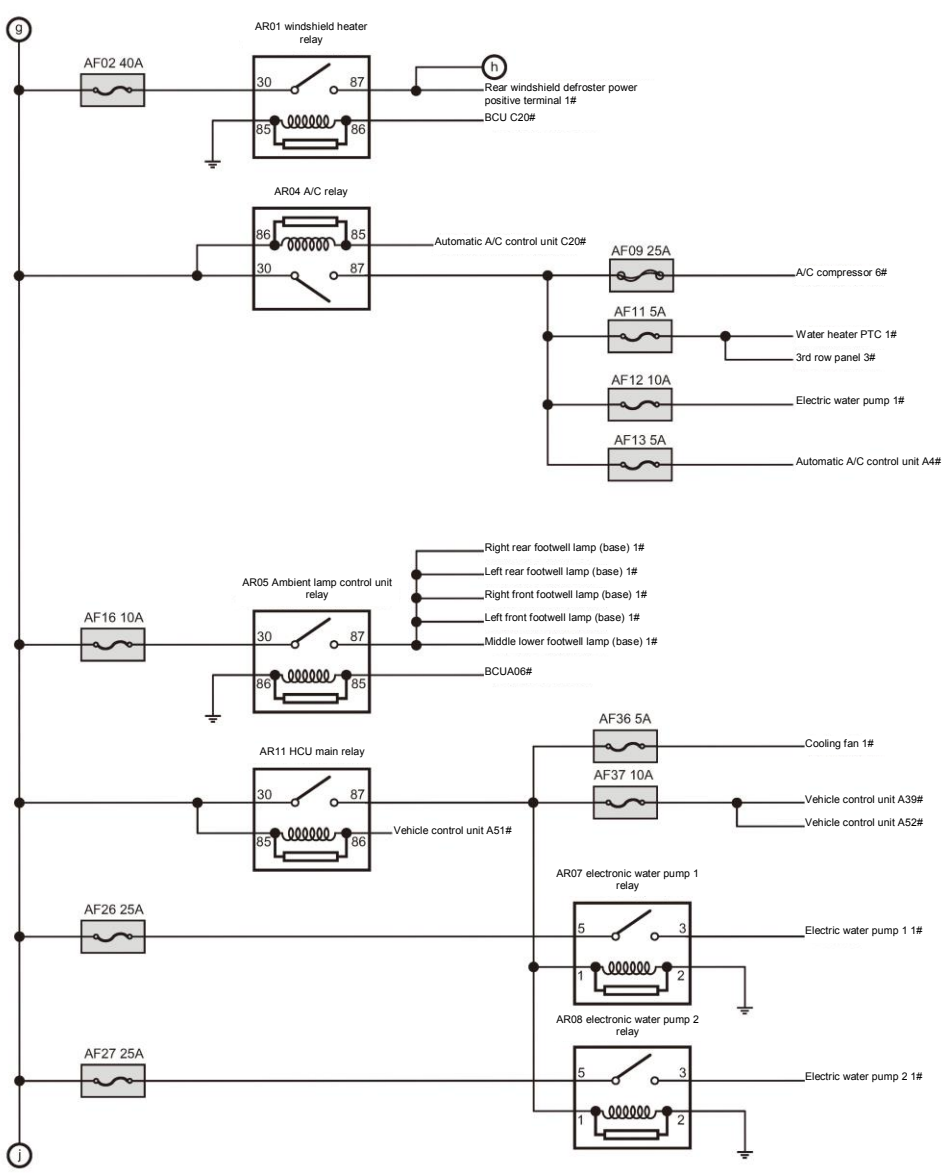


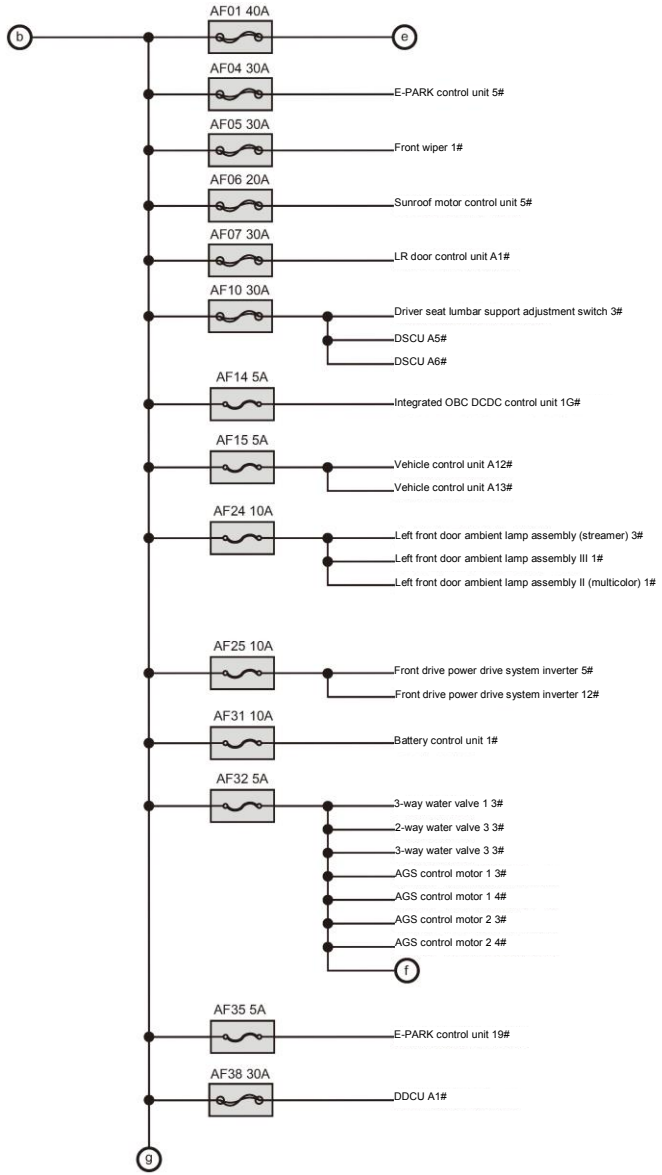
1. AC bus high voltage harness assembly
2. Electric compressor assembly
3. Power distribution box input high voltage harness assembly
4. High voltage water heater assembly
5. AC bus II high voltage harness assembly
6. AC/DC charging high voltage harness assembly
7. Rear electric drive system assembly
8. Power battery logic assembly
9. Water heater PTC high voltage harness assembly
10. High voltage distribution box assembly
11. Integrated two-way OBC DCDC converter assembly
12. Front power drive system assembly

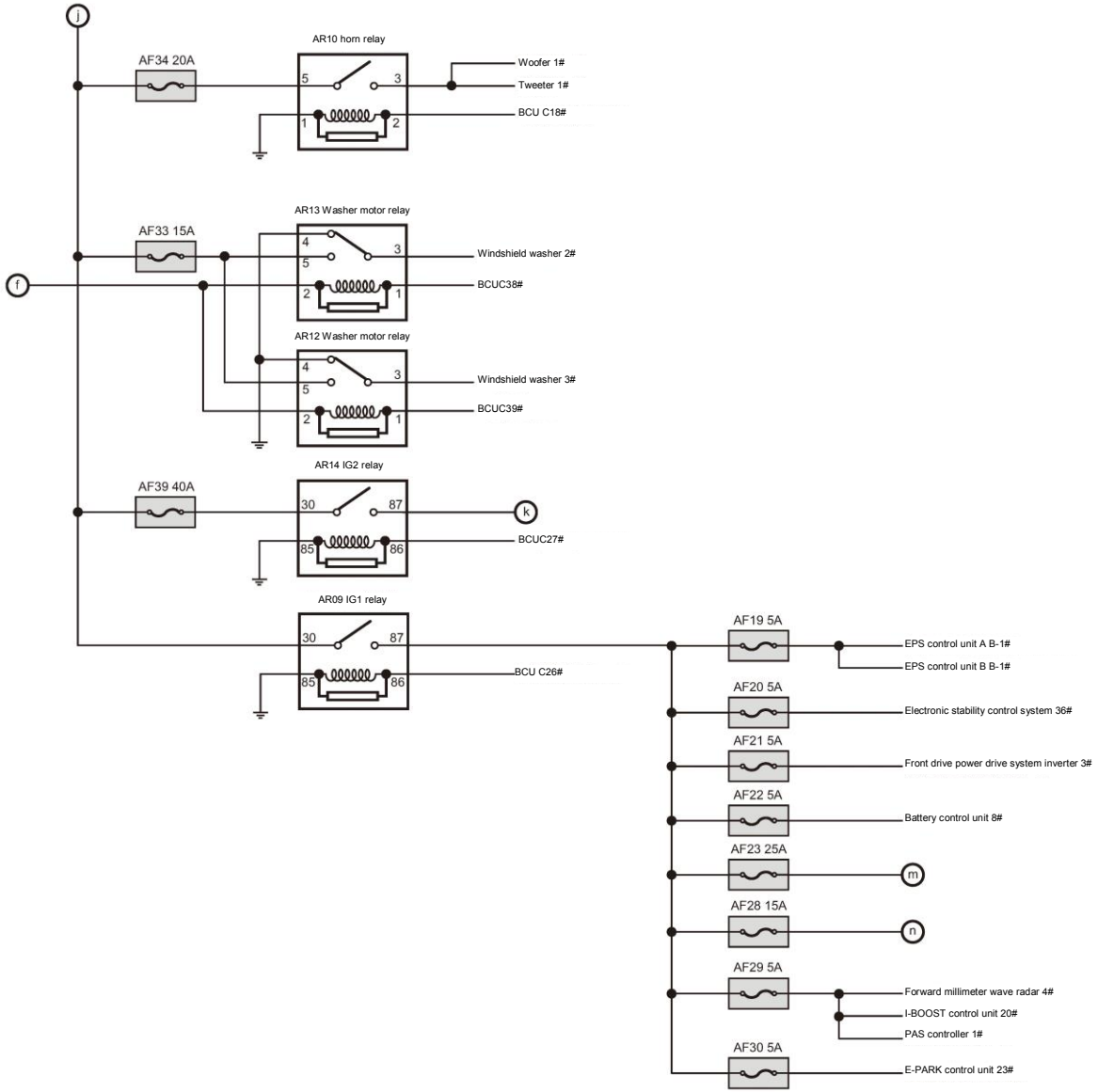
B power supply

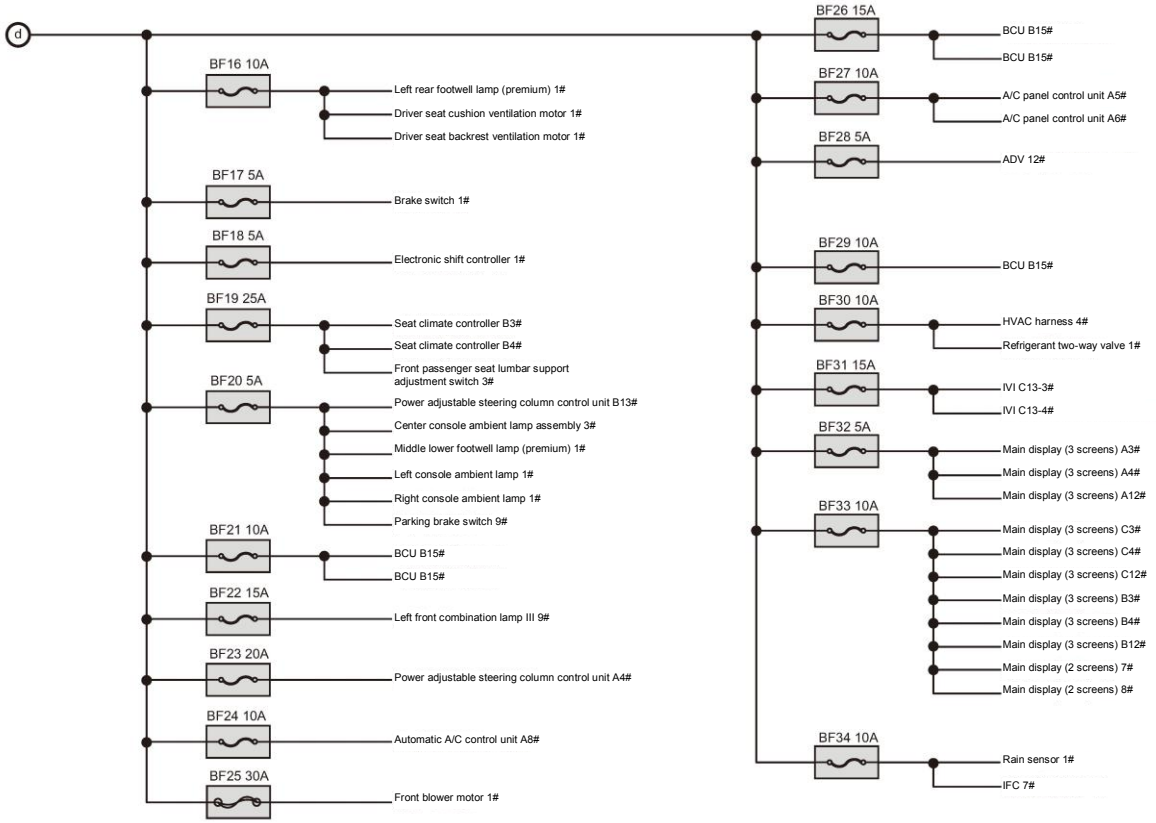
The figure below shows the current flow from the battery to each power supply (fuse, circuit breaker, blown fuse) and other parts.

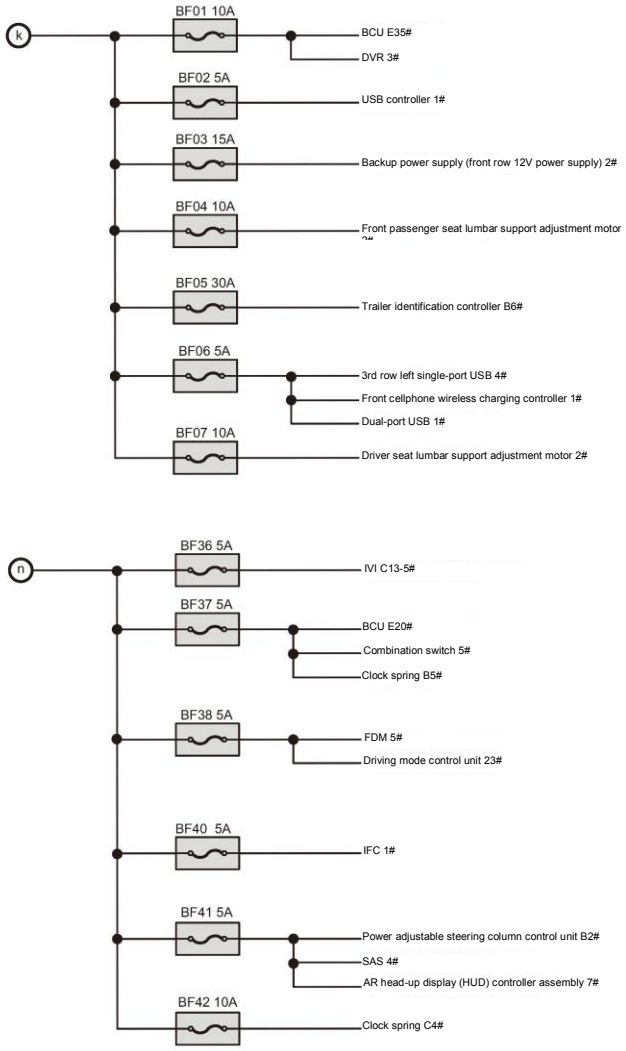


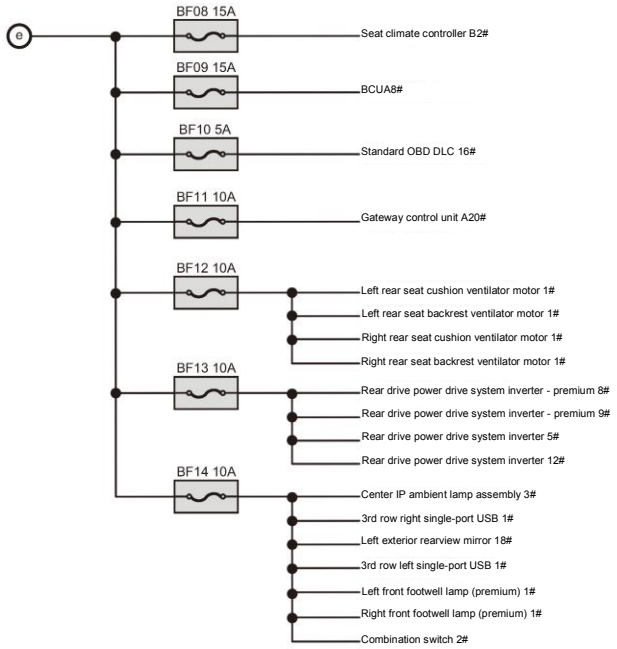

g
AR01 windshield heater relay
AF02 40A
30
87
85
86
h
Rear windshield defroster power positive terminal 1#
BCU C20#
AR04 A/C relay
86
85
30
87
Automatic A/C control unit C20#
AF09 25A
A/C compressor 6#
AF11 5A
Water heater PTC 1#
3rd row panel 3#
AF12 10A
Electric water pump 1#
AF13 5A
Automatic A/C control unit A4#
Right rear footwell lamp (base) 1#
Left rear footwell lamp (base) 1#
Right front footwell lamp (base) 1#
Left front footwell lamp (base) 1#
Middle lower footwell lamp (base) 1#
AR05 Ambient lamp control unit relay
AF16 10A
BCUA06#
AF36 5A
Cooling fan 1#
AR11 HCU main relay
AF37 10A
Vehicle control unit A39#
Vehicle control unit A52#
Vehicle control unit A51#
AR07 electronic water pump 1 relay
AF26 25A
5
3
1
2
Electric water pump 1 1#
AR08 electronic water pump 2 relay
AF27 25A
Electric water pump 2 1#
j

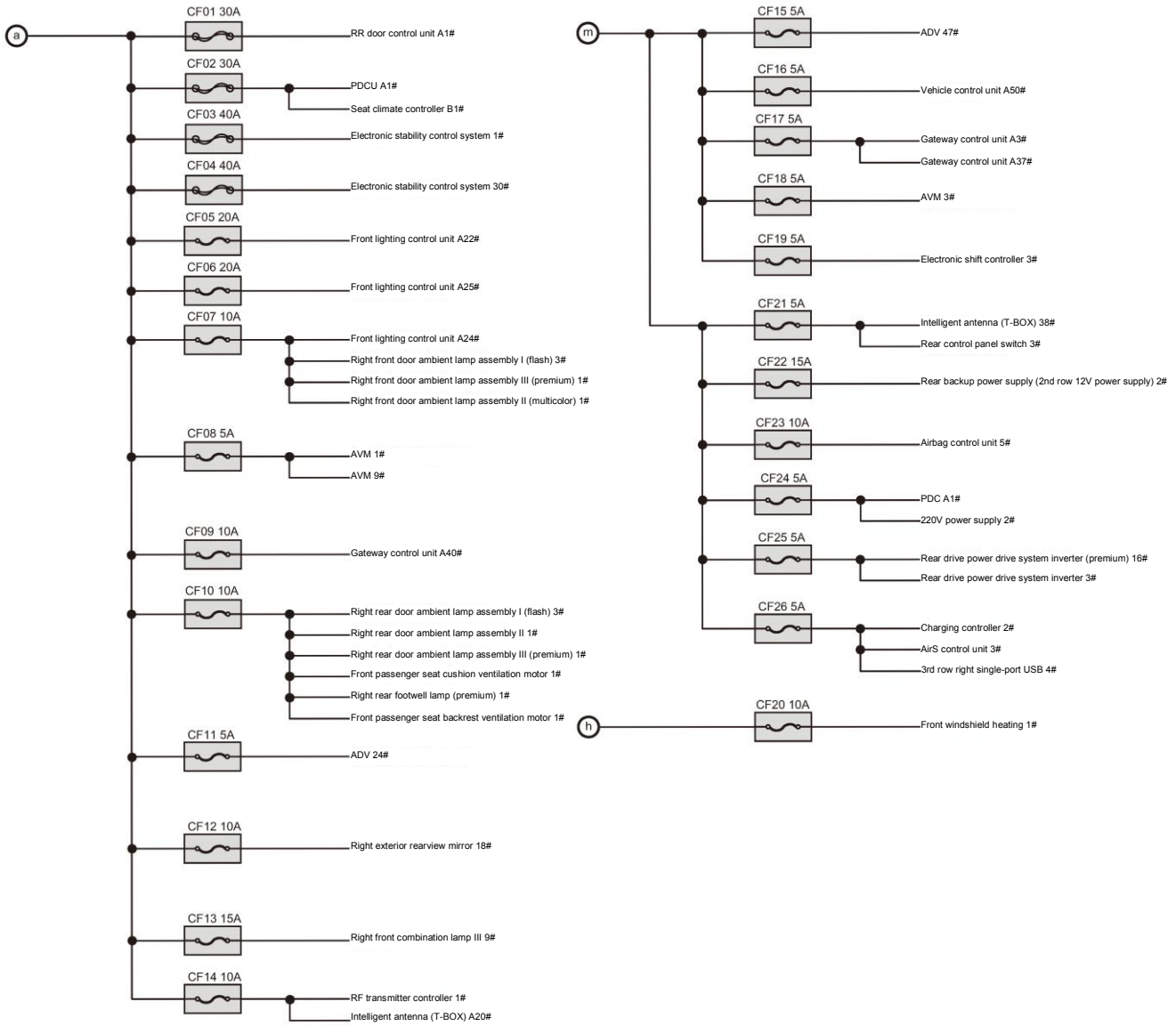

b
AF01 40A
e
AF04 30A
E-PARK control unit 5#
AF05 30A
Front wiper 1#
AF06 20A
Sunroof motor control unit 5#
AF07 30A
LR door control unit A1#
AF10 30A
Driver seat lumbar support adjustment switch 3#
DSCU A5#
DSCU A6#
AF14 5A
Integrated OBC DCDC control unit 1G#
AF15 5A
Vehicle control unit A12#
Vehicle control unit A13#
AF24 10A
Left front door ambient lamp assembly (streamer) 3#
Left front door ambient lamp assembly III 1#
Left front door ambient lamp assembly II (multicolor) 1#
AF25 10A
Front drive power drive system inverter 5#
Front drive power drive system inverter 12#
AF31 10A
Battery control unit 1#
AF32 5A
3-way water valve 1 3#
2-way water valve 3 3#
3-way water valve 3 3#
AGS control motor 1 3#
AGS control motor 1 4#
AGS control motor 2 3#
AGS control motor 2 4#
f
AF35 5A
E-PARK control unit 19#
AF38 30A
DDCU A1#
g

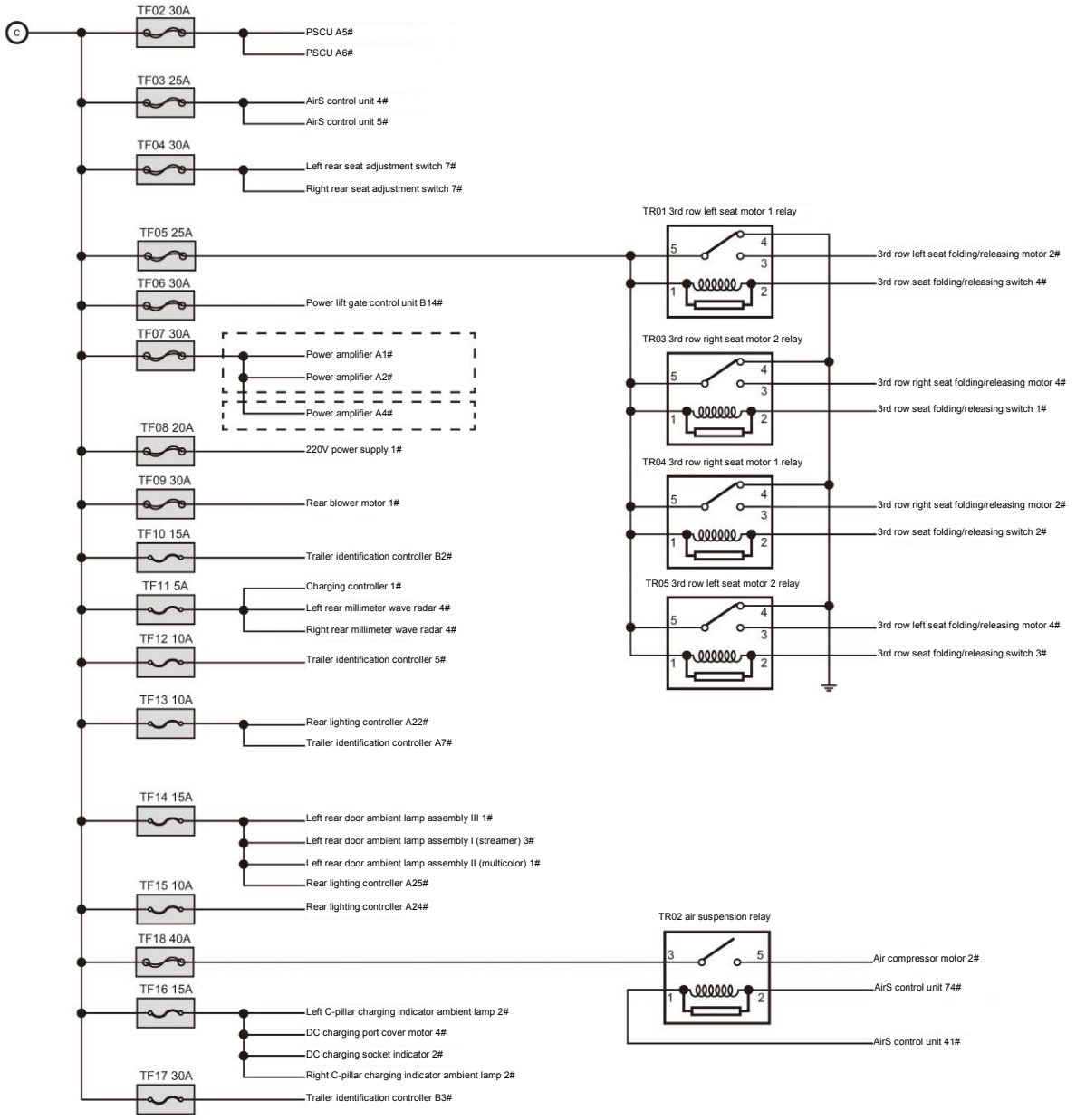

j
AF34 20A
AR10 horn relay
5
3
1
2
Woofer 1#
Tweeter 1#
BCU C18#
AF33 15A
AR13 Washer motor relay
4
5
3
2
1
Windshield washer 2#
BCUC38#
f
AR12 Washer motor relay
Windshield washer 3#
BCUC39#
AF39 40A
AR14 IG2 relay
30
87
85
86
k
BCUC27#
AR09 IG1 relay
BCU C26#
AF19 5A
EPS control unit A B-1#
EPS control unit B B-1#
AF20 5A
Electronic stability control system 36#
AF21 5A
Front drive power drive system inverter 3#
AF22 5A
Battery control unit 8#
AF23 25A
m
AF28 15A
n
AF29 5A
Forward millimeter wave radar 4#
I-BOOST control unit 20#
PAS controller 1#
AF30 5A
E-PARK control unit 23#


d
BF16 10A
Left rear footwell lamp (premium) 1#
Driver seat cushion ventilation motor 1#
Driver seat backrest ventilation motor 1#
BF17 5A
Brake switch 1#
BF18 5A
Electronic shift controller 1#
BF19 25A
Seat climate controller B3#
Seat climate controller B4#
Front passenger seat lumbar support adjustment switch 3#
BF20 5A
Power adjustable steering column control unit B13#
Center console ambient lamp assembly 3#
Middle lower footwell lamp (premium) 1#
Left console ambient lamp 1#
Right console ambient lamp 1#
Parking brake switch 9#
BF21 10A
BCU B15#
BCU B15#
BF22 15A
Left front combination lamp III 9#
BF23 20A
Power adjustable steering column control unit A4#
BF24 10A
Automatic A/C control unit A8#
BF25 30A
Front blower motor 1#
BF26 15A
BCU B15#
BCU B15#
BF27 10A
A/C panel control unit A5#
A/C panel control unit A6#
BF28 5A
ADV 12#
BF29 10A
BCU B15#
BF30 10A
HVAC harness 4#
Refrigerant two-way valve 1#
BF31 15A
IVI C13-3#
IVI C13-4#
BF32 5A
Main display (3 screens) A3#
Main display (3 screens) A4#
Main display (3 screens) A12#
BF33 10A
Main display (3 screens) C3#
Main display (3 screens) C4#
Main display (3 screens) C12#
Main display (3 screens) B3#
Main display (3 screens) B4#
Main display (3 screens) B12#
Main display (2 screens) 7#
Main display (2 screens) 8#
BF34 10A
Rain sensor 1#
IFC 7#


k
BF01 10A
BCU E35#
DVR 3#
BF02 5A
USB controller 1#
BF03 15A
Backup power supply (front row 12V power supply) 2#
BF04 10A
Front passenger seat lumbar support adjustment motor
BF05 30A
Trailer identification controller B6#
BF06 5A
3rd row left single-port USB 4#
Front cellphone wireless charging controller 1#
Dual-port USB 1#
BF07 10A
Driver seat lumbar support adjustment motor 2#
n
BF36 5A
IVI C13-5#
BF37 5A
BCU E20#
Combination switch 5#
Clock spring B5#
BF38 5A
FDM 5#
Driving mode control unit 23#
BF40 5A
IFC 1#
BF41 5A
Power adjustable steering column control unit B2#
SAS 4#
AR head-up display (HUD) controller assembly 7#
BF42 10A
Clock spring C4#


e
BF08 15A
Seat climate controller B2#
BF09 15A
BCUA8#
BF10 5A
Standard OBD DLC 16#
BF11 10A
Gateway control unit A20#
BF12 10A
Left rear seat cushion ventilator motor 1#
Left rear seat backrest ventilator motor 1#
Right rear seat cushion ventilator motor 1#
Right rear seat backrest ventilator motor 1#
BF13 10A
Rear drive power drive system inverter - premium 8#
Rear drive power drive system inverter - premium 9#
Rear drive power drive system inverter 5#
Rear drive power drive system inverter 12#
BF14 10A
Center IP ambient lamp assembly 3#
3rd row right single-port USB 1#
Left exterior rearview mirror 18#
3rd row left single-port USB 1#
Left front footwell lamp (premium) 1#
Right front footwell lamp (premium) 1#
Combination switch 2#

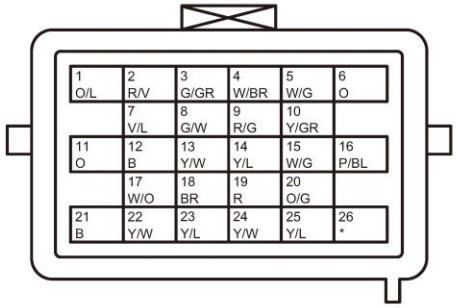

a
CF01 30A
RR door control unit A1#
CF02 30A
PDCU A1#
Seat climate controller B1#
CF03 40A
Electronic stability control system 1#
CF04 40A
Electronic stability control system 30#
CF05 20A
Front lighting control unit A22#
CF06 20A
Front lighting control unit A25#
CF07 10A
Front lighting control unit A24#
Right front door ambient lamp assembly I (flash) 3#
Right front door ambient lamp assembly III (premium) 1#
Right front door ambient lamp assembly II (multicolor) 1#
CF08 5A
AVM 1#
AVM 9#
CF09 10A
Gateway control unit A40#
CF10 10A
Right rear door ambient lamp assembly I (flash) 3#
Right rear door ambient lamp assembly II 1#
Right rear door ambient lamp assembly III (premium) 1#
Front passenger seat cushion ventilation motor 1#
Right rear footwell lamp (premium) 1#
Front passenger seat backrest ventilation motor 1#
CF11 5A
ADV 24#
CF12 10A
Right exterior rearview mirror 18#
CF13 15A
Right front combination lamp III 9#
CF14 10A
RF transmitter controller 1#
Intelligent antenna (T-BOX) A20#
m
CF15 5A
ADV 47#
CF16 5A
Vehicle control unit A50#
CF17 5A
Gateway control unit A3#
Gateway control unit A37#
CF18 5A
AVM 3#
CF19 5A
Electronic shift controller 3#
CF21 5A
Intelligent antenna (T-BOX) 38#
Rear control panel switch 3#
CF22 15A
Rear backup power supply (2nd row 12V power supply) 2#
CF23 10A
Airbag control unit 5#
CF24 5A
PDC A1#
220V power supply 2#
CF25 5A
Rear drive power drive system inverter (premium) 16#
Rear drive power drive system inverter 3#
CF26 5A
Charging controller 2#
AirS control unit 3#
3rd row right single-port USB 4#
h
CF20 10A
Front windshield heating 1#


C
TF02 30A
PSCU A5#
PSCU A6#
TF03 25A
AirS control unit 4#
AirS control unit 5#
TF04 30A
Left rear seat adjustment switch 7#
Right rear seat adjustment switch 7#
TF05 25A
TF06 30A
Power lift gate control unit B14#
TF07 30A
Power amplifier A1#
Power amplifier A2#
Power amplifier A4#
TF08 20A
220V power supply 1#
TF09 30A
Rear blower motor 1#
TF10 15A
Trailer identification controller B2#
TF11 5A
Charging controller 1#
Left rear millimeter wave radar 4#
Right rear millimeter wave radar 4#
TF12 10A
Trailer identification controller 5#
TF13 10A
Rear lighting controller A22#
Trailer identification controller A7#
TF14 15A
Left rear door ambient lamp assembly III 1#
Left rear door ambient lamp assembly I (streamer) 3#
Left rear door ambient lamp assembly II (multicolor) 1#
Rear lighting controller A25#
TF15 10A
Rear lighting controller A24#
TF18 40A
TF16 15A
Left C-pillar charging indicator ambient lamp 2#
DC charging port cover motor 4#
DC charging socket indicator 2#
Right C-pillar charging indicator ambient lamp 2#
TF17 30A
Trailer identification controller B3#
TR01 3rd row left seat motor 1 relay
3rd row left seat folding/releasing motor 2#
3rd row seat folding/releasing switch 4#
TR03 3rd row right seat motor 2 relay
3rd row right seat folding/releasing motor 4#
3rd row seat folding/releasing switch 1#
TR04 3rd row right seat motor 1 relay
3rd row right seat folding/releasing motor 2#
3rd row seat folding/releasing switch 2#
TR05 3rd row left seat motor 2 relay
3rd row left seat folding/releasing motor 4#
3rd row seat folding/releasing switch 3#
TR02 air suspension relay
Air compressor motor 2#
AirS control unit 74#
AirS control unit 41#

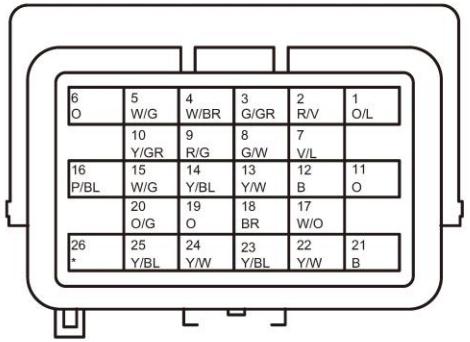
List of commonly used connectors

C-01(B:IC01-FF:IC01)

To front bumper harness assembly IC01

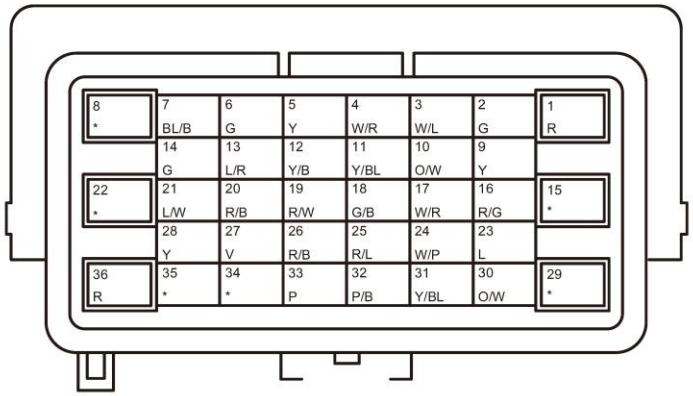


To body harness assembly IC01

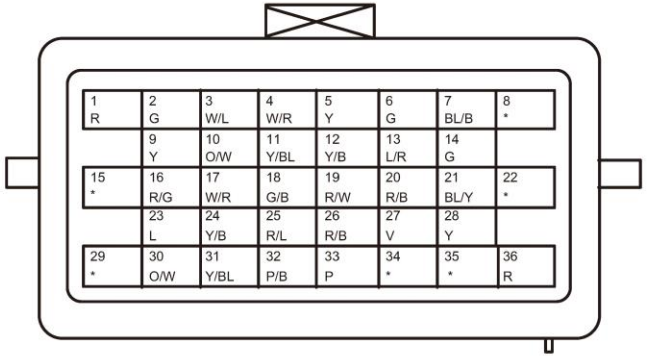


C-02(B:IC02-P:IC02)

To front powertrain harness assembly IC02



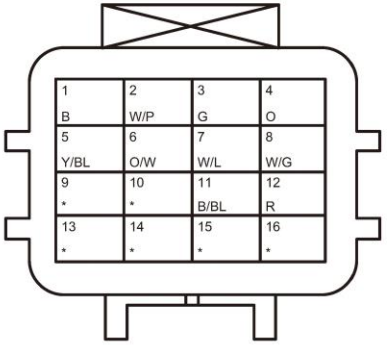
To body harness assembly IC02



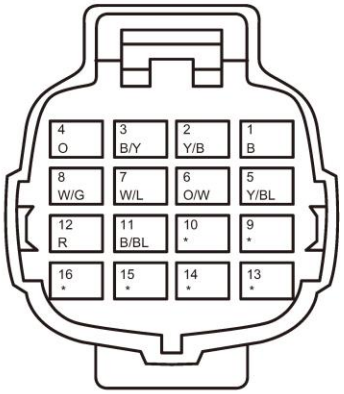
List of commonly used connectors

C-03(B:IC03-P2:IC03)

To rear powertrain harness assembly IC03

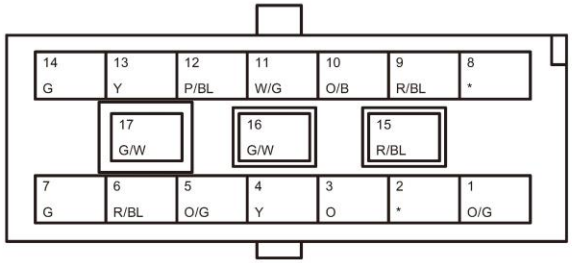


To body harness assembly IC03

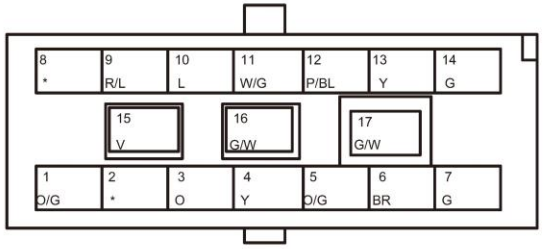


C-04(B:IC04A-I:IC04A)

To IP harness assembly IC04A



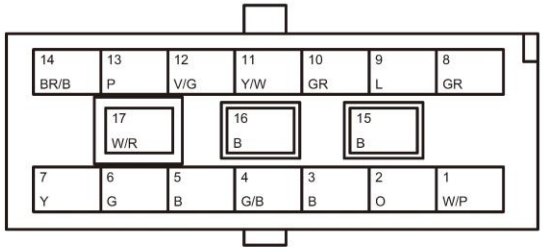
To body harness assembly IC04A



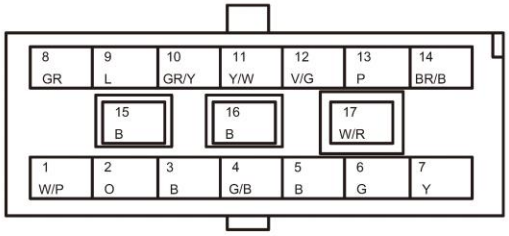
List of commonly used connectors

C-05(B:IC04B-I:IC04B)

To IP harness assembly IC04B

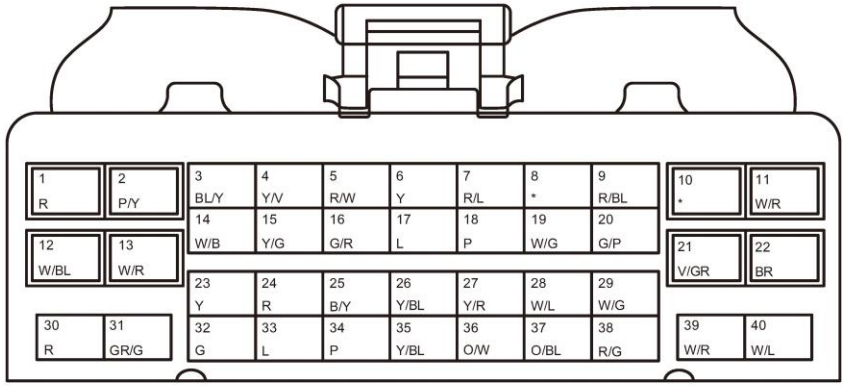


To body harness assembly IC04B

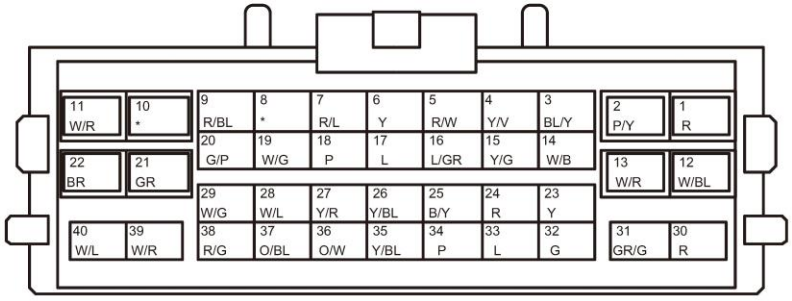


C-06(B:IC04C-I:IC04C)

To IP harness assembly IC04C



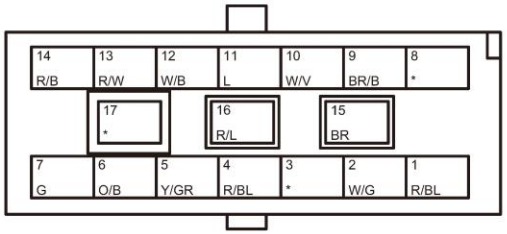
To body harness assembly IC04C



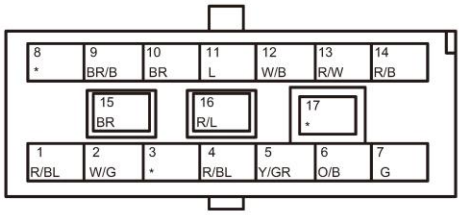
List of commonly used connectors

C-07(B:IC04D-I:IC04D)

To IP harness assembly IC04D

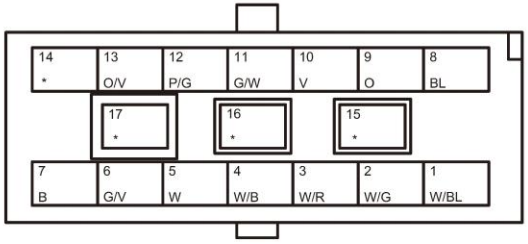


To body harness assembly IC04D

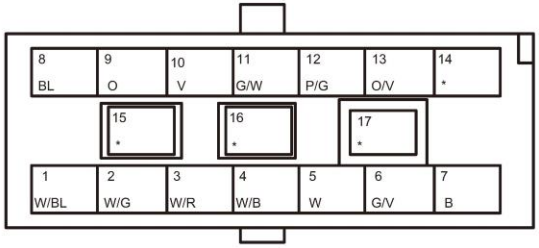


C-08(B:IC04E-I:IC04E)

To IP harness assembly IC04E



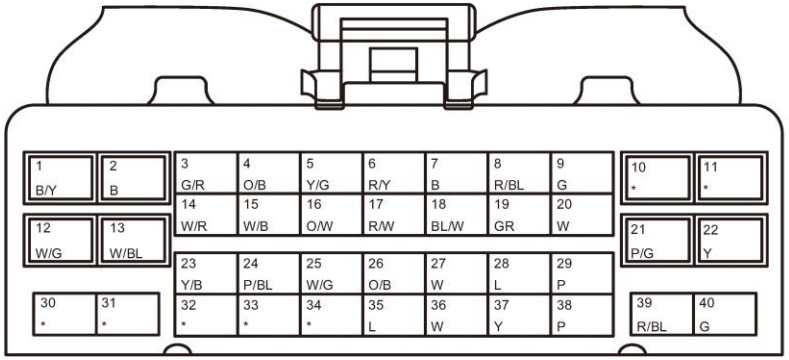
To body harness assembly IC04E



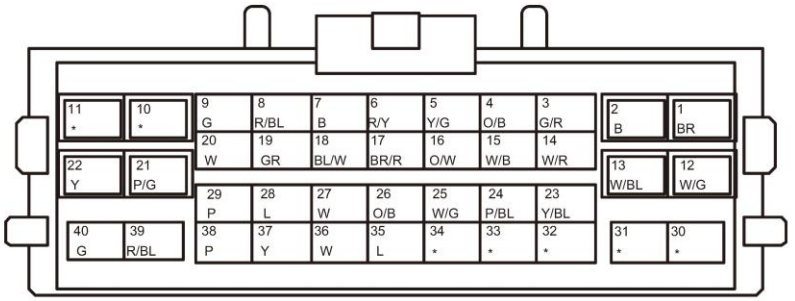
List of commonly used connectors

C-09(B:IC04F-I:IC04F)

To IP harness assembly IC04F

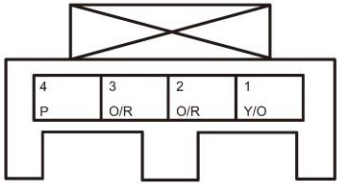


To body harness assembly IC04F

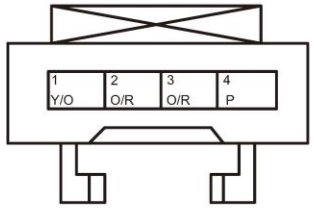


C-10(B:IC04G-I:IC04G)

To IP harness assembly IC04G



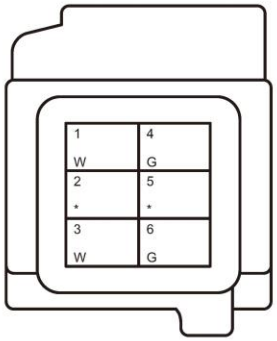
To body harness assembly IC04G



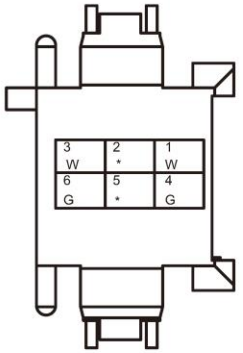
List of commonly used connectors

C-11(B:IC04H-I:IC04H)

To IP harness assembly IC04H

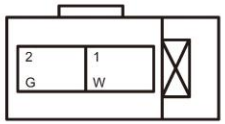


To body harness assembly IC04H

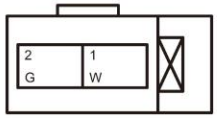


C-12(B:IC04I-I:IC04I)

To IP harness assembly IC04I



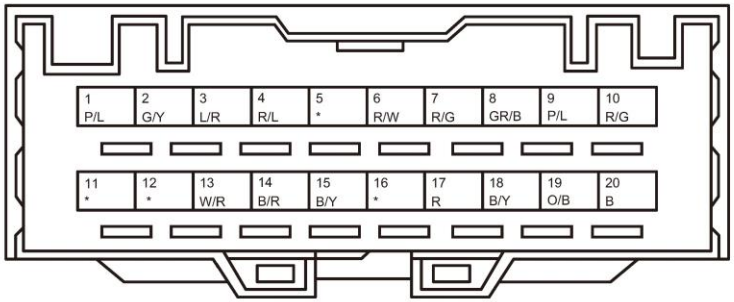
To body harness assembly IC04I



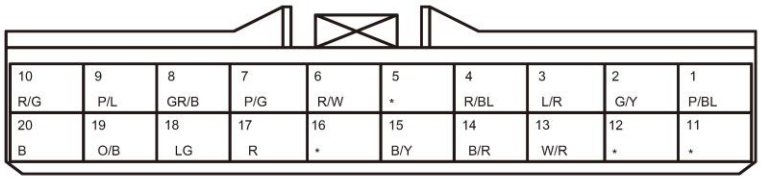
List of commonly used connectors

C-13(B:IC04J-I:IC04J)

To IP harness assembly IC04J

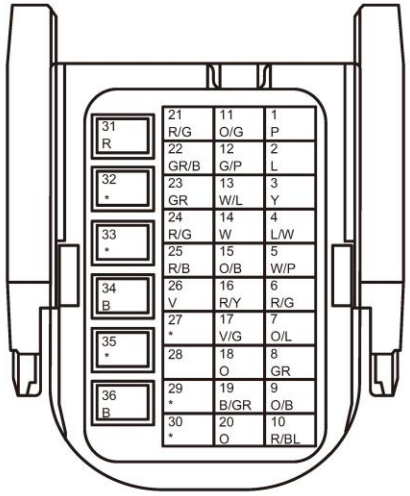


To body harness assembly IC04J

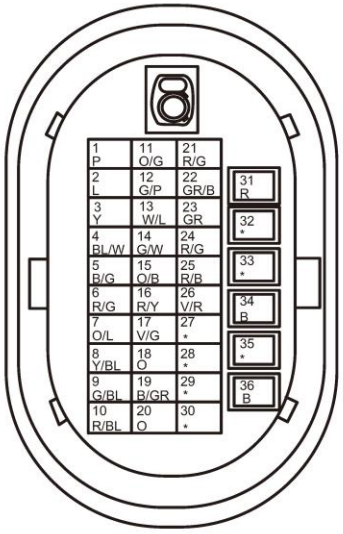


C-14(B:IC05-DR1:IC05)

To left front door harness assembly IC05



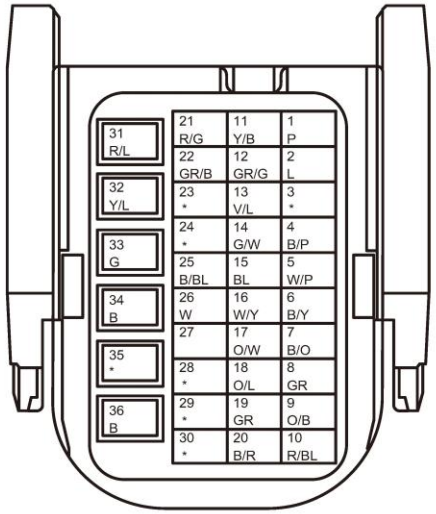
To body harness assembly IC05



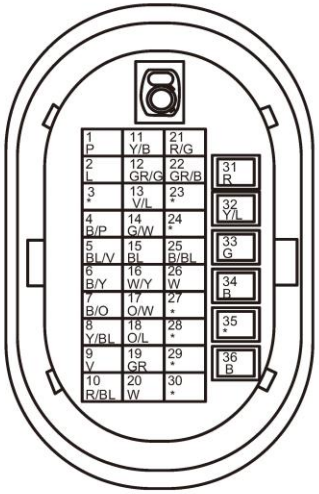
List of commonly used connectors

C-15(B:IC06-I:DR2C06)

To right front door harness assembly IC06

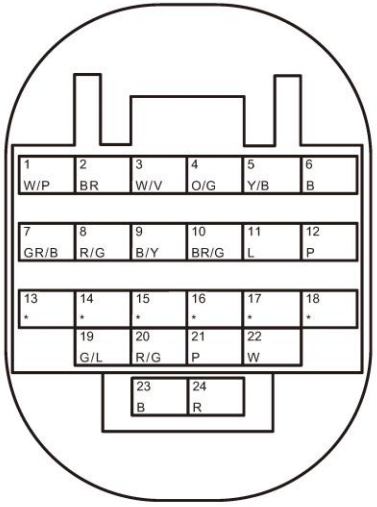


To body harness assembly IC06

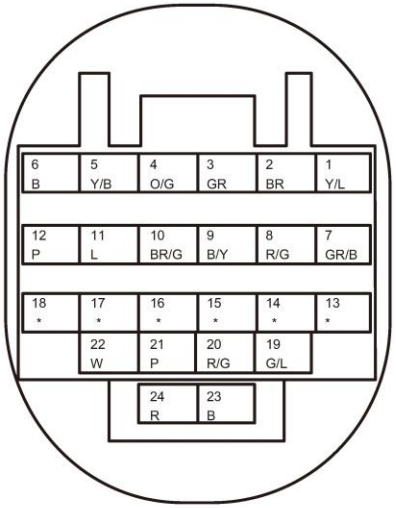


C-16(B:IC07-DR3:IC07)

To left rear door harness assembly IC07



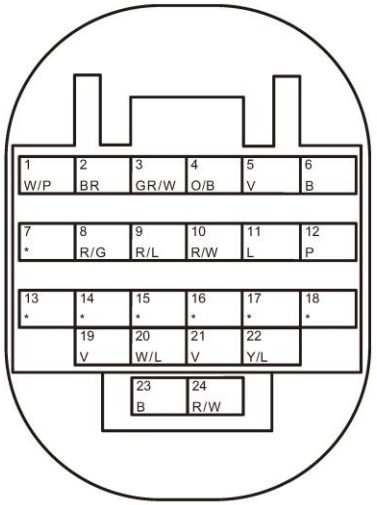
To body harness assembly IC07



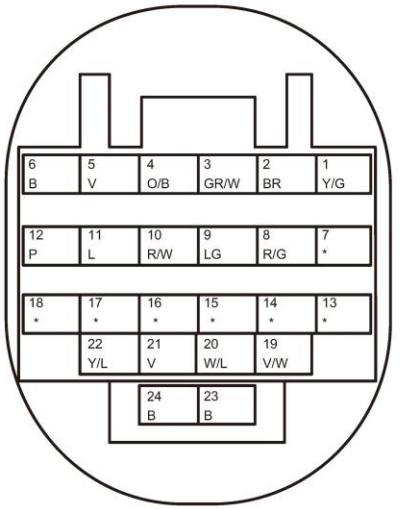
List of commonly used connectors

C-17(B:IC08-DR4:IC08)

To right rear door harness assembly IC08

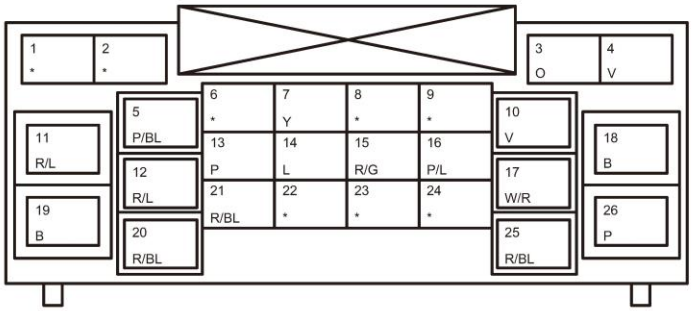


To body harness assembly IC08

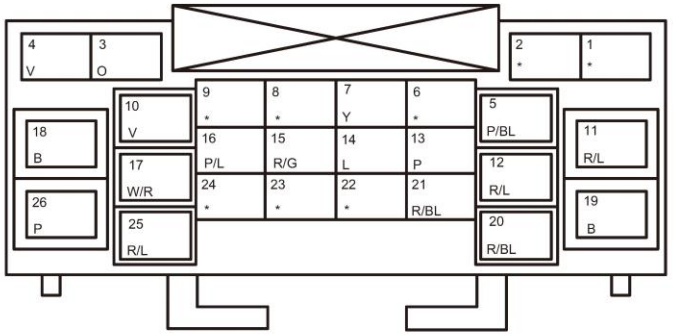


C-18(B:IC09-Z1:IC09)

To driver seat cushion harness assembly IC09



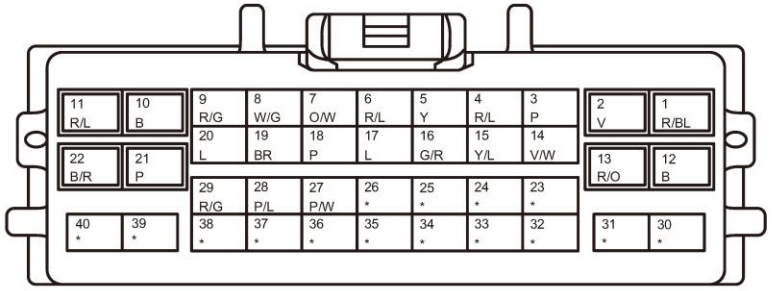
To body harness assembly IC09



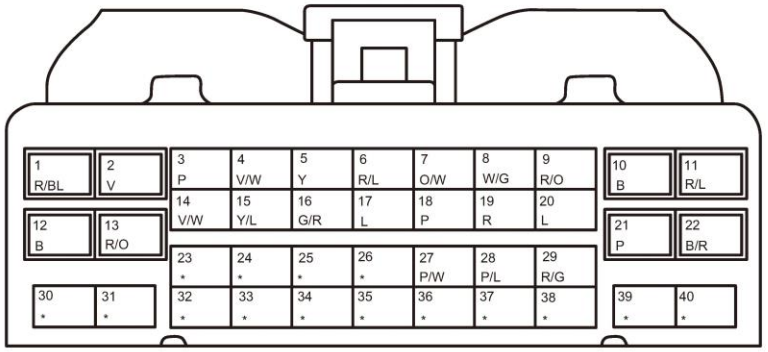
List of commonly used connectors

C-19(B:IC10-Z2IC10)

To front passenger seat cushion harness assembly IC10

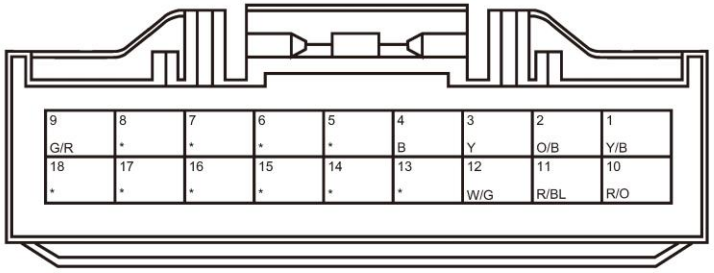


To body harness assembly IC10

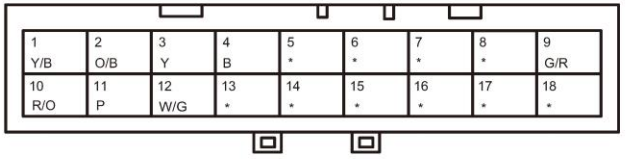


C-20(B:IC11-Z3:IC11)

To left rear seat cushion harness assembly IC11



To body harness assembly IC11

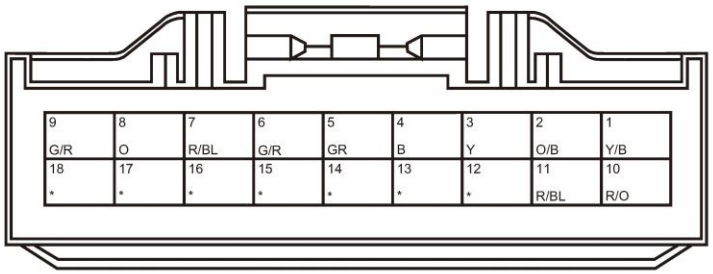


(For 6-seater vehicles)

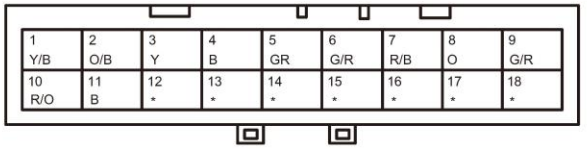
List of commonly used connectors

C-20(B:IC11-Z3:IC11)

To left rear seat cushion harness assembly IC11

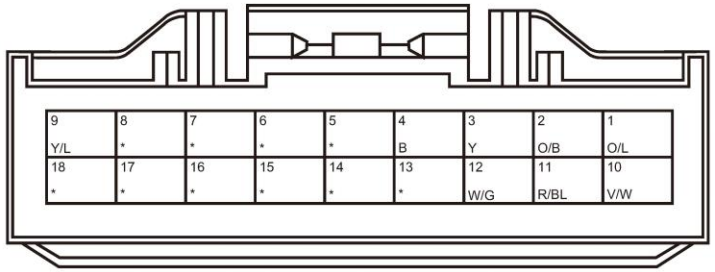


To body harness assembly IC11

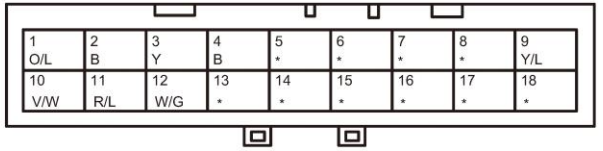


C-21(B:IC12-Z4:IC12)

To right rear seat cushion harness assembly IC12



To body harness assembly IC12

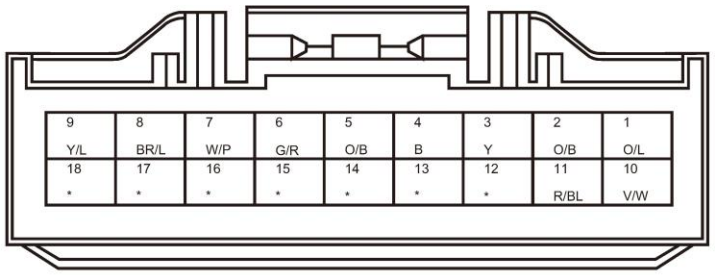


(For 6-seater vehicles)

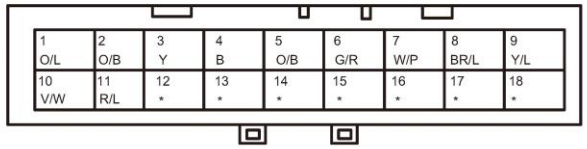
List of commonly used connectors

C-21(B:IC12-Z4:IC12)

To right rear seat cushion harness assembly IC12

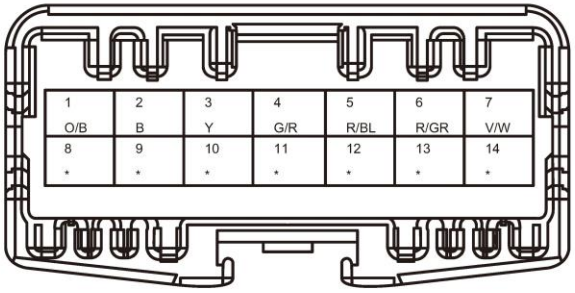


To body harness assembly IC12

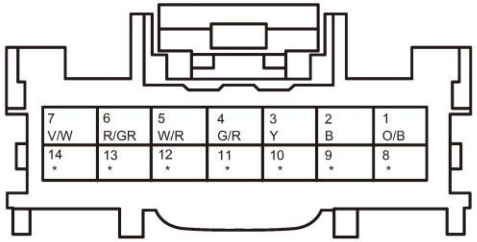


C-22(B:IC13-K3:IC13)

To left rear seat backrest harness assembly IC13



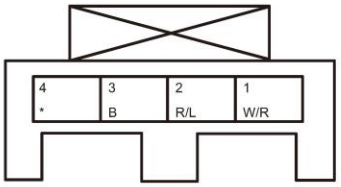
To body harness assembly IC13



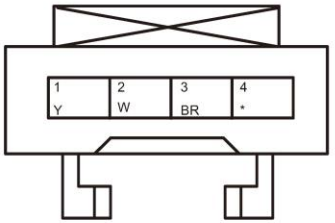
List of commonly used connectors

C-23(B:IC14-K3:IC14)

To left rear seat airbag harness assembly IC14

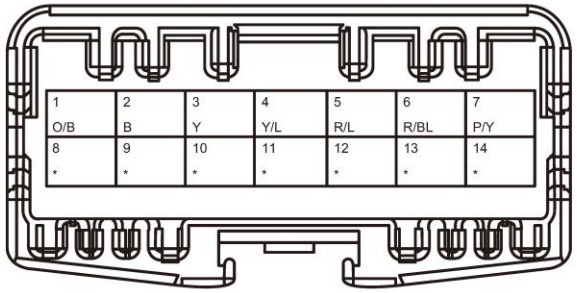


To body harness assembly IC14

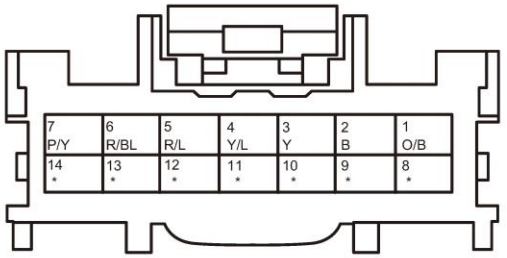


C-24(B:IC15-K4:IC15)

To right rear seat backrest harness assembly IC15



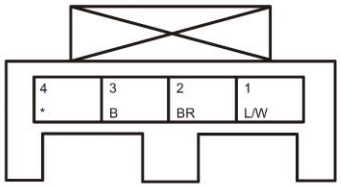
To body harness assembly IC15



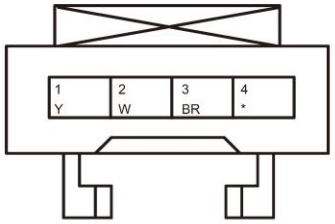
List of commonly used connectors

C-25(B:IC16-K4:IC16)

To right rear seat airbag harness assembly IC16

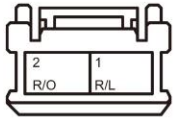


To body harness assembly IC16

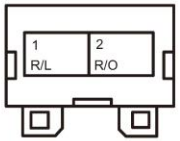


C-26(B:IC17-K5:IC17)

To 3rd row left seat backrest harness assembly IC17



To body harness assembly IC17

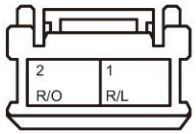


(For 6-seater vehicles)

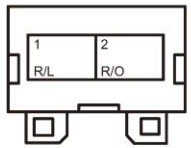
List of commonly used connectors

C-27(B:IC18-K6:IC18)

To 3rd row right seat backrest harness assembly IC18



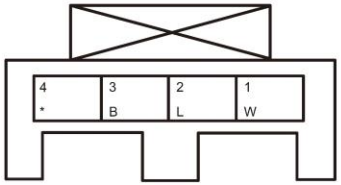
To body harness assembly IC18



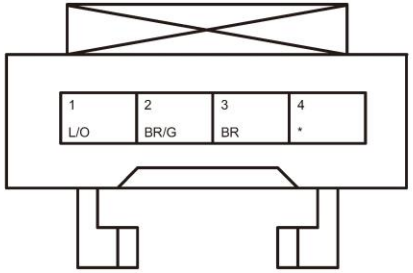
(For 6-seater vehicles)

C-28(B:IC19-S1:IC19)

To driver seat airbag harness assembly IC19



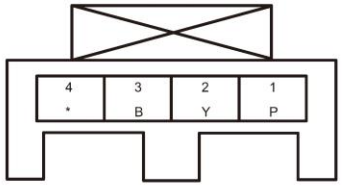
To body harness assembly IC19



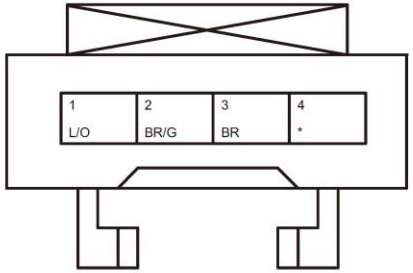
List of commonly used connectors

C-29(B:IC20-S2:IC20)

To front passenger seat airbag assembly IC20

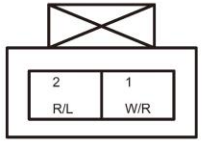


To body harness assembly IC17

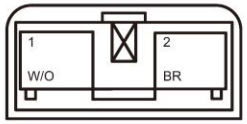


C-30(B:IC21-S3:IC21)

To left rear seat airbag harness assembly IC21



To body harness assembly IC21

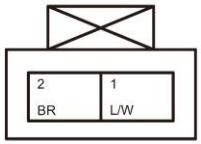


(For 6-seater vehicles)

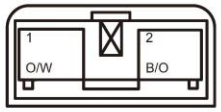
List of commonly used connectors

C-31(B:IC22-S4:IC22)

To right rear seat airbag harness assembly IC22



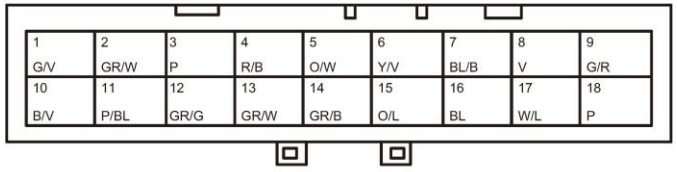
To body harness assembly IC22



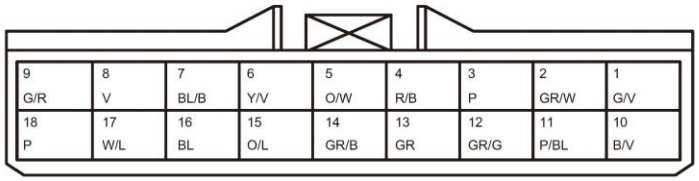
(For 6-seater vehicles)

C-32(B:IC23A-R:IC23A)

To PLG harness assembly IC23A



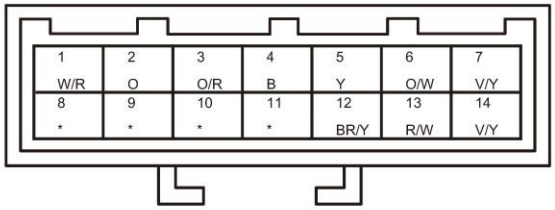
To body harness assembly IC23A



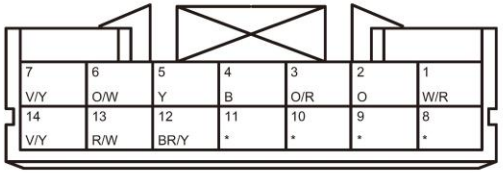
List of commonly used connectors

C-33(B:IC23B-I2:IC23B)

To PLG harness assembly IC23B

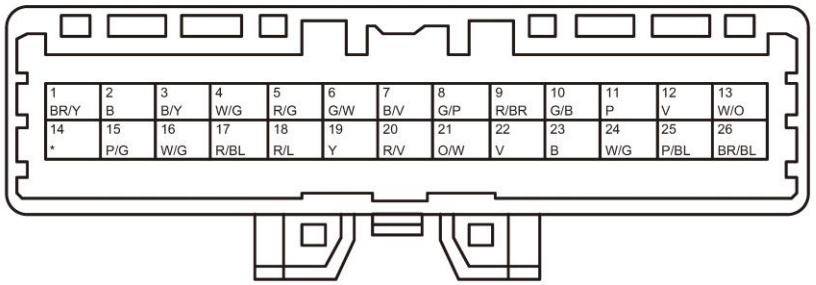


To body harness assembly IC23B

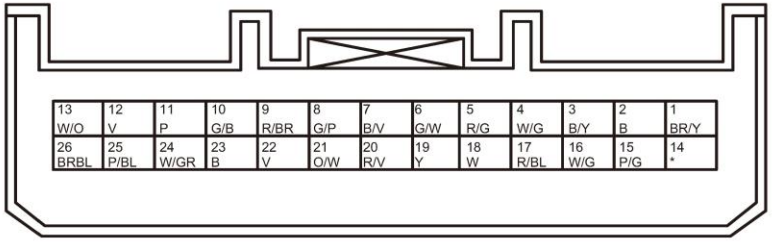


C-34(B:IC24-RR:IC24)

To rear bumper harness assembly IC24



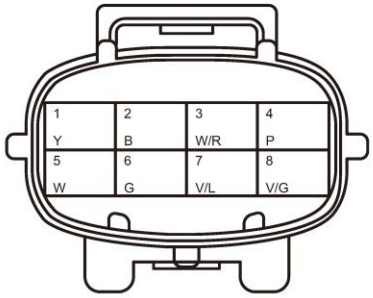
To body harness assembly IC24



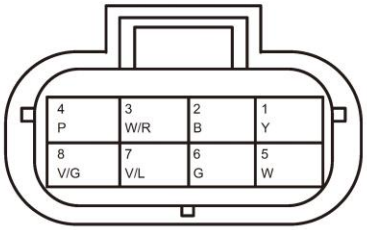
List of commonly used connectors

C-35(B:IC25-G:IC25)

To front grille harness assembly IC25

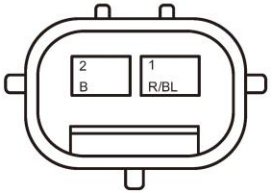


To body harness assembly IC25

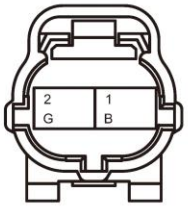


C-36(B:IC26-W1:IC26)

To left front wheel harness assembly IC26



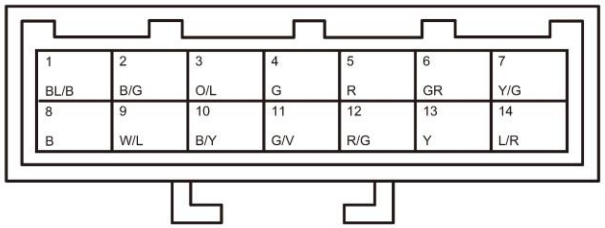
To body harness assembly IC26



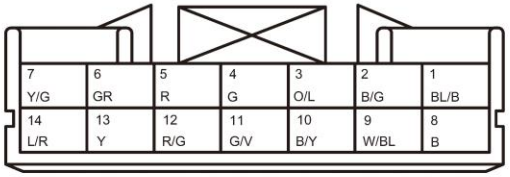
List of commonly used connectors

C-37(B:IC27-W2:IC27)

To left rear wheel harness assembly IC27

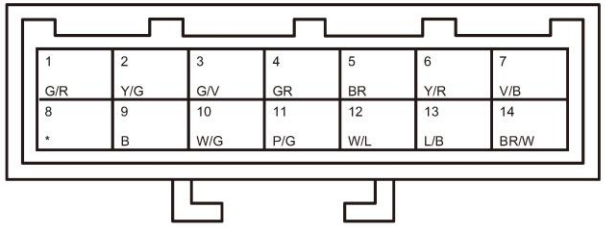


To body harness assembly IC27

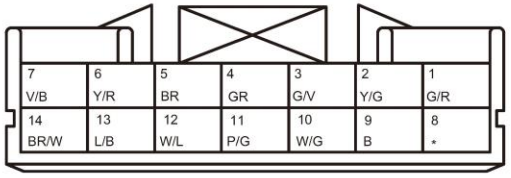


C-38(B:IC28-W3:IC28)

To right front wheel harness assembly IC28



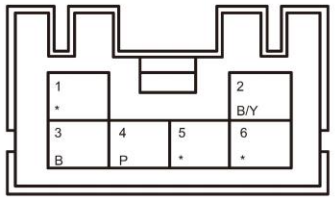
To body harness assembly IC28



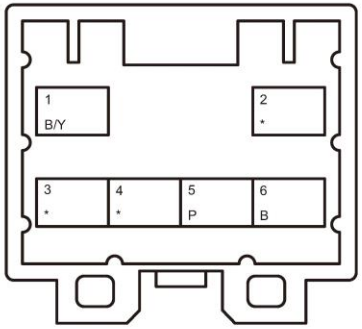
List of commonly used connectors

C-39(B:IC29-B2:IC29)

To body transit harness assembly IC29

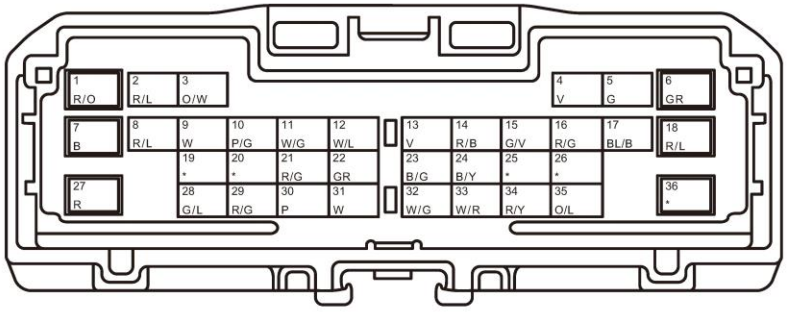


To body harness assembly IC29

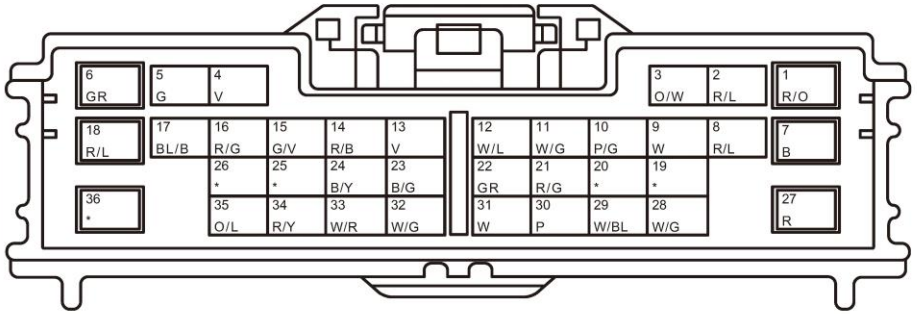


C-40(B:IC30A-B:IC30A)

To right body harness assembly IC30A



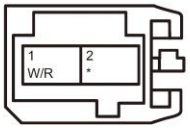
To left body harness assembly IC30A



List of commonly used connectors

C-41(B:IC30B-B:IC30B)

To right body harness assembly IC30B

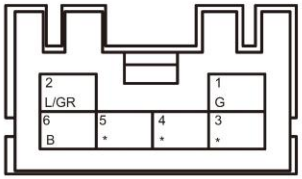


To left body harness assembly IC30B

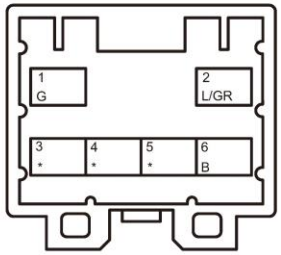


C-42(I:IC31-I2:IC31)

To IP transit harness assembly IC31



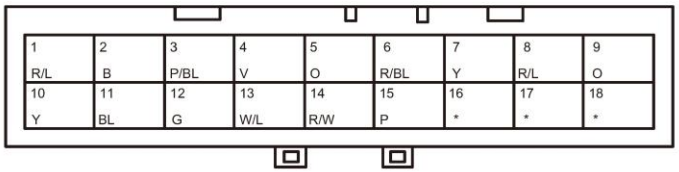
To IP harness assembly IC31



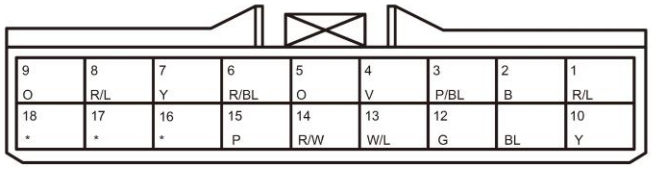
List of commonly used connectors

C-43(Z1:IC32-K1:IC32)

To driver seat backrest harness assembly IC32

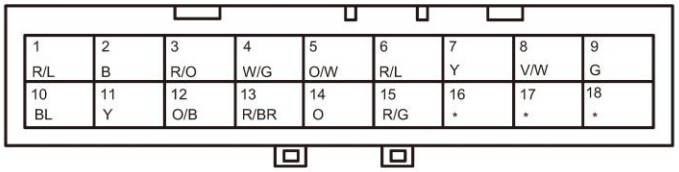


To driver seat cushion harness assembly IC32

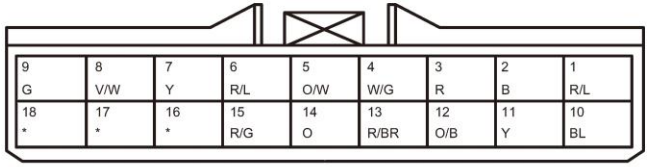


C-44(Z2:IC33-K2:IC33)

To front passenger seat backrest harness assembly IC33



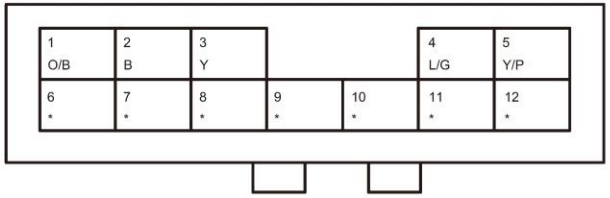
To front passenger seat cushion harness assembly IC33



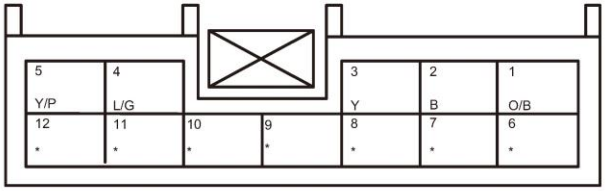
List of commonly used connectors

C-45(Z3:IC34-K3:IC34)

To left rear seat backrest harness assembly IC34



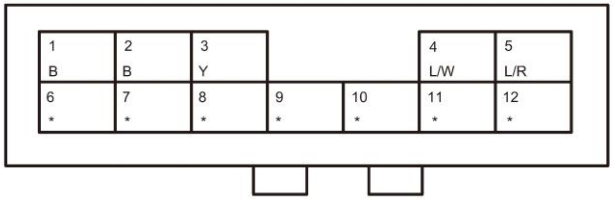
To left rear seat cushion harness assembly IC34



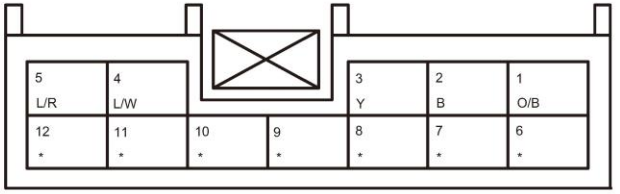
(For 6-seater vehicles)

C-46(Z4:IC35-K4:IC35)

To right rear seat backrest harness assembly IC35



To right rear seat cushion harness assembly IC35

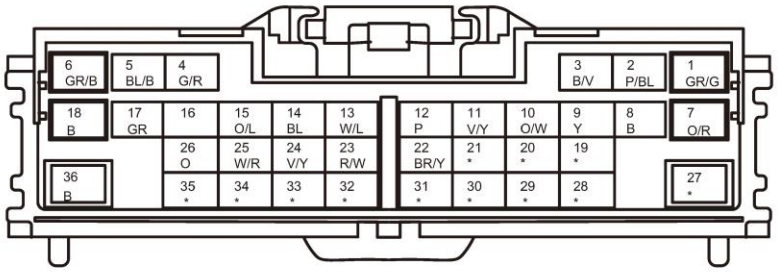


(For 6-seater vehicles)

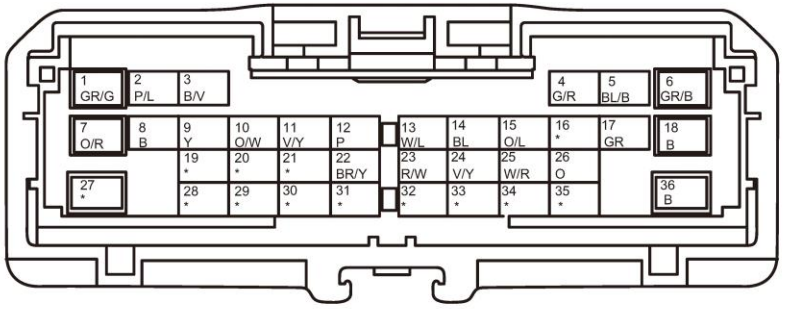
List of commonly used connectors

C-47(R:IC36-R2:IC36)

To PLG transit harness assembly IC36

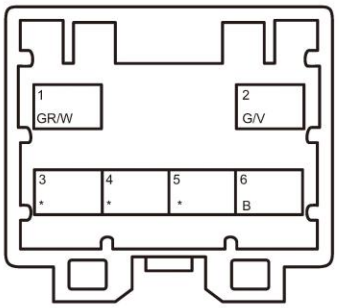


To PLG harness assembly IC36

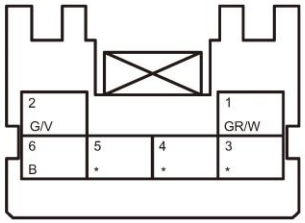


C-48(R:IC37-R3:IC37)

To license plate transit harness assembly IC37



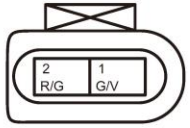
To PLG harness assembly IC37



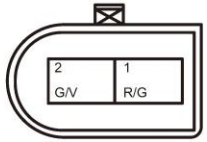
List of commonly used connectors

C-49(W2:IC38-W4:IC38)

To left rear wheel transit harness assembly IC38

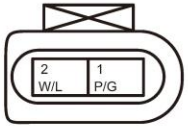


To left rear wheel harness assembly IC38

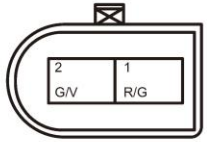


C-50(W3:IC39-W5:IC39)

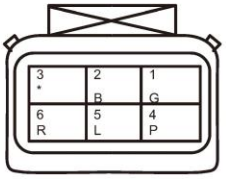
To right rear wheel transit harness assembly IC39



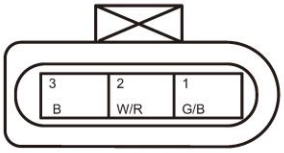
To right rear wheel harness assembly IC39



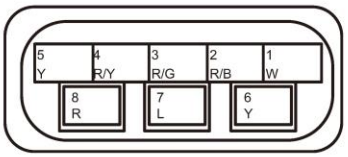
P-01
A/C compressor



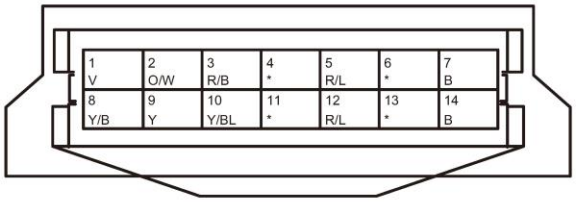
P-02
Electric water pump-A



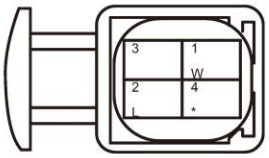
P-03
E-PARK motor (parking actuator)



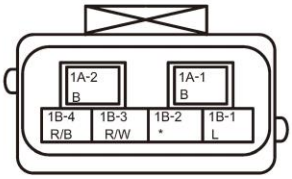
P-04
Front drive power drive system inverter FMCU



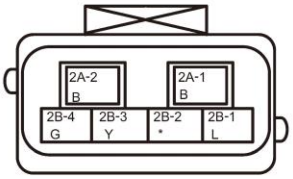
P-05
High voltage distribution box



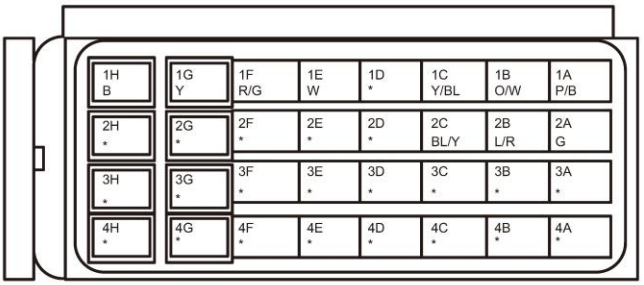
P-06
Electric power steering (EPS) control unit - A



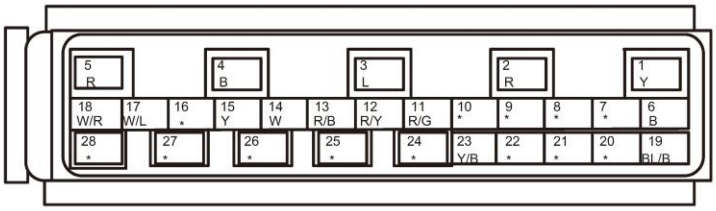
P-07
Electric power steering (EPS) control unit - B



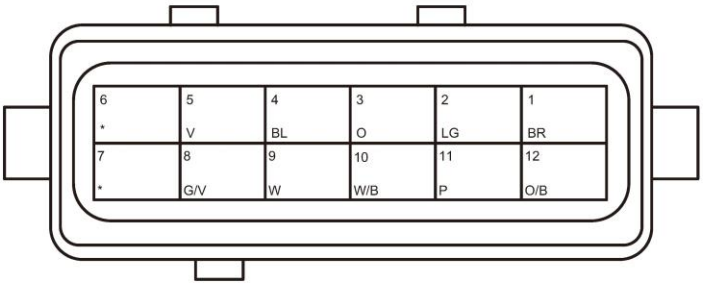
P-08
Vehicle charger integrated with DCDC control unit



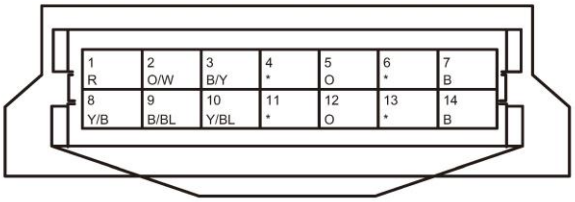
P-09
E-PARK control unit



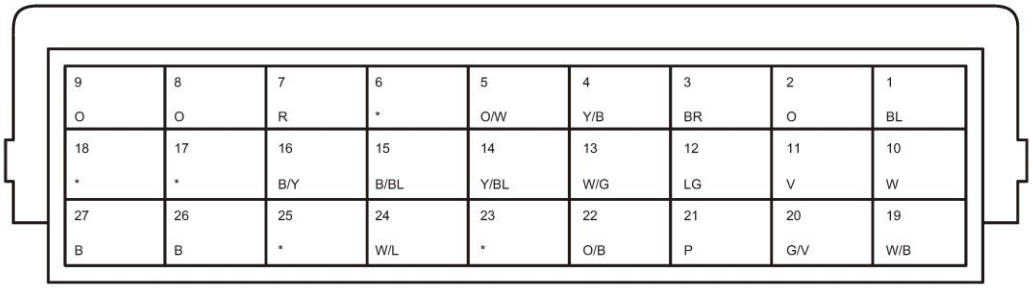
P2-01
Rear power motor
(245KW)



P2-02
Rear drive power drive system FMCU (160KW)



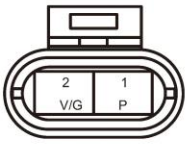
P2-03
Rear drive power drive system RMCU (245KW)- premium



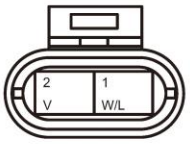
B-01
Air compressor temperature sensor



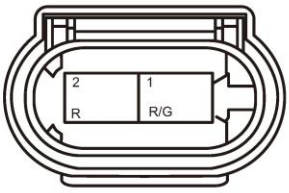
B-02
Driver side impact acceleration sensor



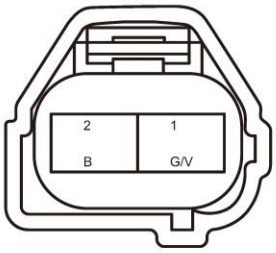
B-03
Passenger side impact acceleration sensor



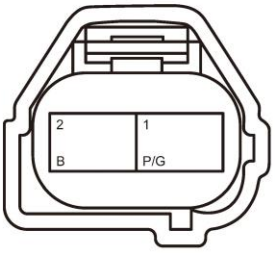
B-04
Battery sensor-A



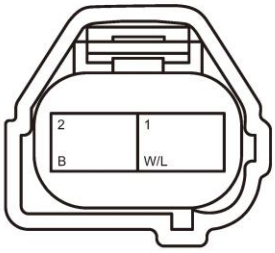
B-06
Chiller rear temperature sensor



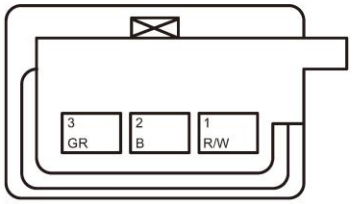
B-07
Exterior condenser outlet temperature sensor



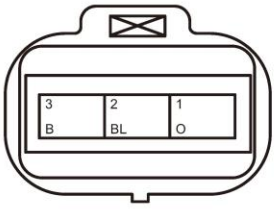
B-08
Evaporator outlet temperature sensor



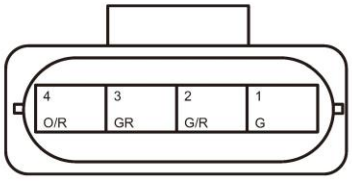
B-09
Rain sensor



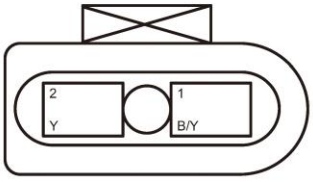
B-10
High pressure sensor



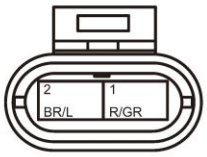
B-11
Pedal position sensor



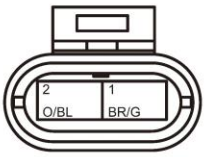
B-12
Motor coolant level sensor



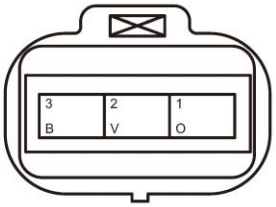
B-13
Driver side front impact acceleration sensor



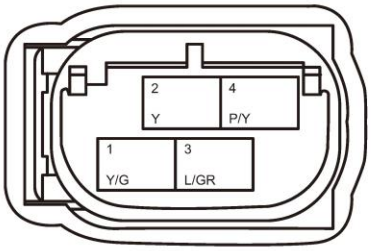
B-14
Passenger side front impact acceleration sensor



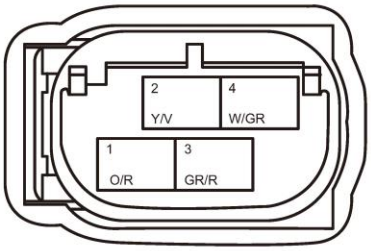
B-15
Chiller rear pressure sensor



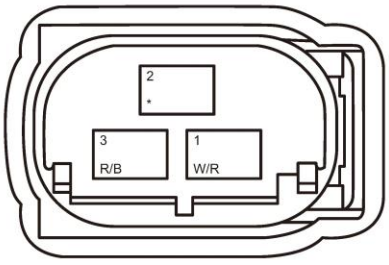
B-16
Right front wheel speed sensor



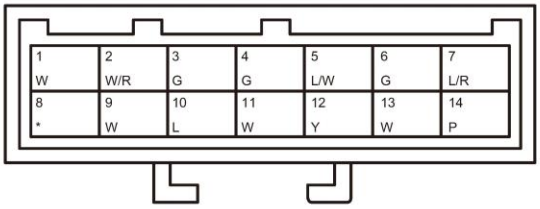
B-17
Left front wheel speed sensor



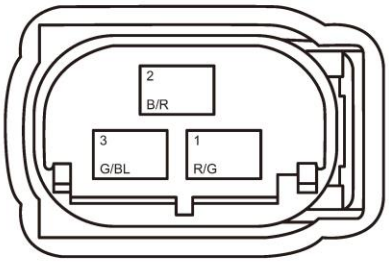
B-18
Motor water temperature sensor



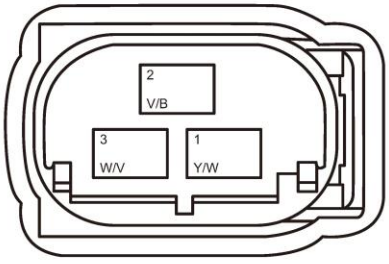
B-19
ACDC charging socket assembly



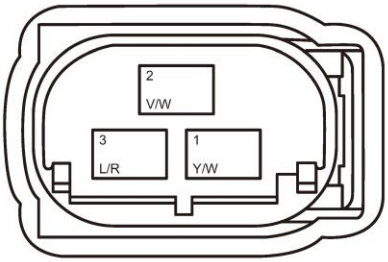
B-20
Right front gravity acceleration sensor



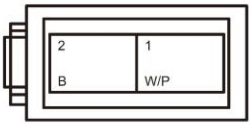
B-21
Left front gravity acceleration sensor



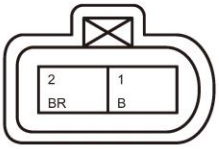
B-22
Coolant temperature sensor



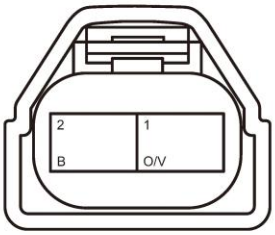
B-23
Brake fluid level sensor



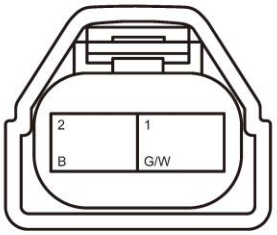
B-24
Washer fluid level sensor



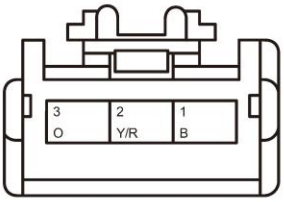
B-25
Water cooling condenser outlet sensor



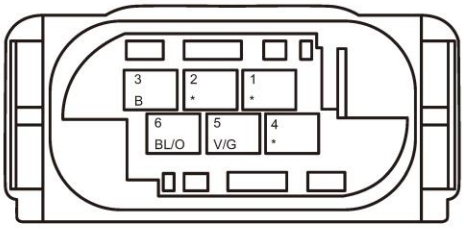
B-26
Compressor outlet temperature sensor



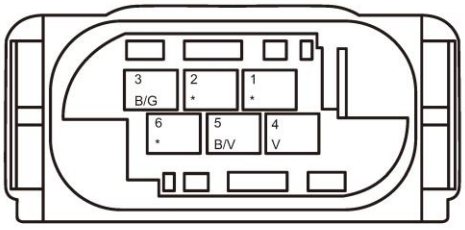
B-27
Auto defog sensor (ADS)



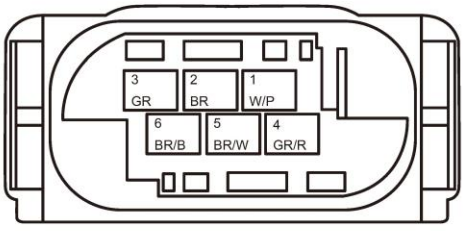
B-28
Front height sensor



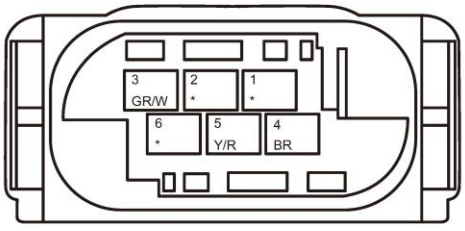
B-29
Left front body height sensor



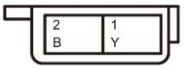
B-30
Accelerator pedal sensor



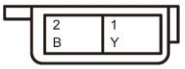
B-31
Right front body height sensor



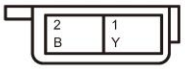
B-32
Left rear air outlet LED lamp



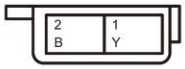
B-33
Right rear air outlet LED lamp



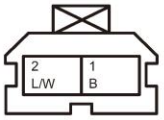
B-34
Left B IP air outlet LED lamp



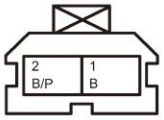
B-35
Right B IP air outlet LED lamp



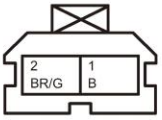
B-36
Front left door sill trim



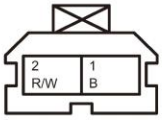
B-37
Right front door sill trim



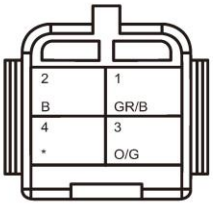
B-38
Left rear door sill courtesy banner



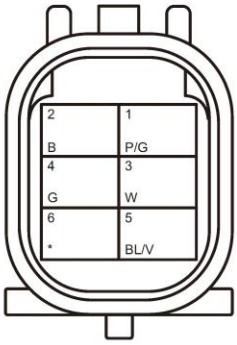
B-39
Right rear door sill trim



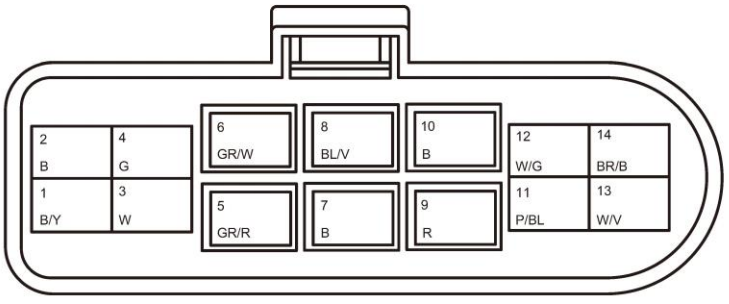
B-40
2nd row center armrest ambient lamp assembly



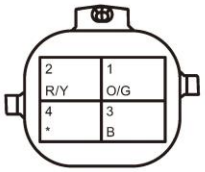
B-41
LF combination lamp II



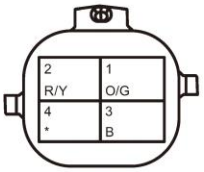
B-42
Left front combination lamp III



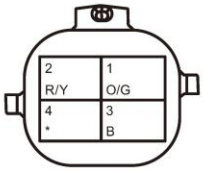
B-43
Left C-pillar charging indicator ambient lamp



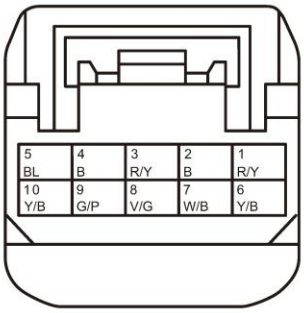
B-44
Right C-pillar charging indicator ambient lamp



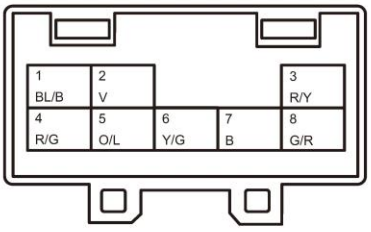
B-46
DC charging socket indicator



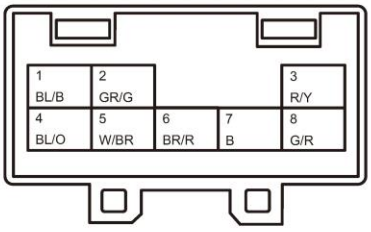
B-47
Front interior lamp



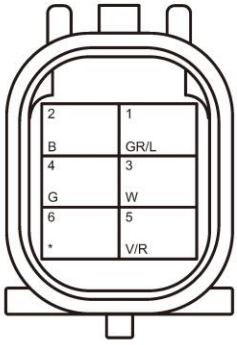
B-48
LR combination lamp I



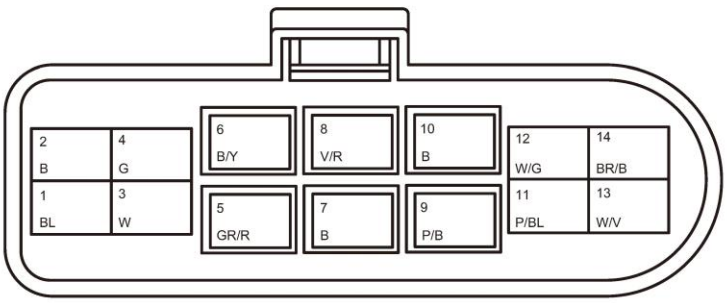
B-49
RR combination lamp I



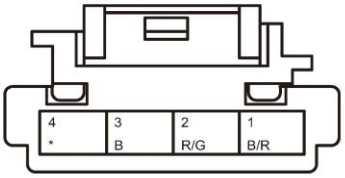
B-50
RF combination lamp II



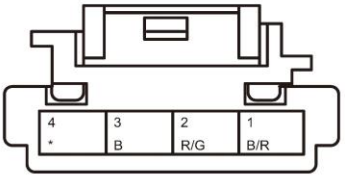
B-51
Right front combination lamp III



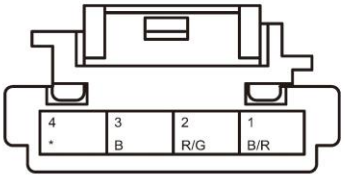
B-52
Left console ambient lamp



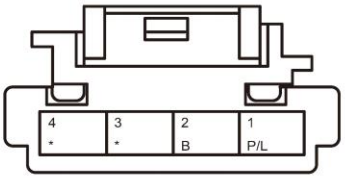
B-53
Right console ambient lamp



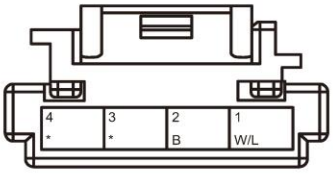
B-54
Middle lower footwell lamp (premium)



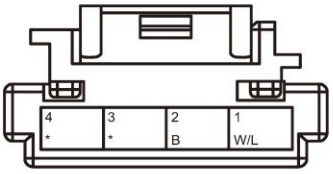
B-55
Middle lower footwell lamp (base)



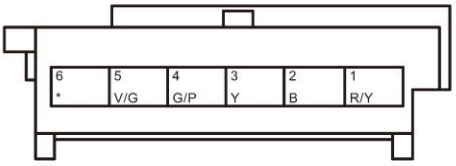
B-56
Left trunk lamp



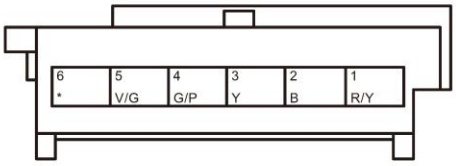
B-57
Right trunk lamp



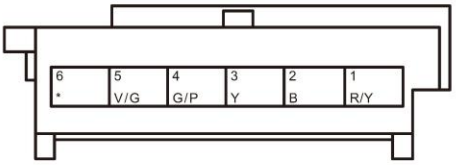
B-58
Left rear reading lamp (2nd row)



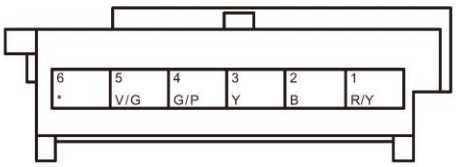
B-59
Right rear reading lamp (2nd row)



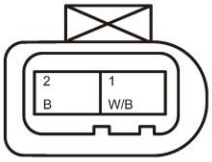
B-60
Left rear reading lamp (2nd row)



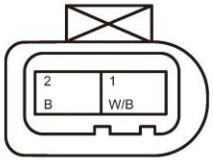
B-61
Right rear reading lamp (2nd row)



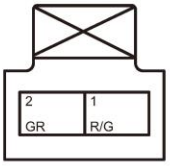
B-62
Tweeter



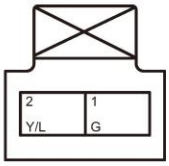
B-63
Woofer



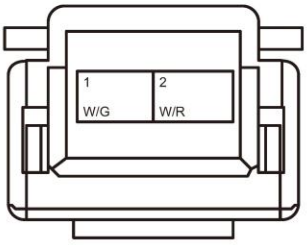
B-64
Left front A-pillar tweeter



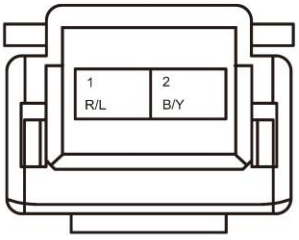
B-65
Right front A-pillar tweeter



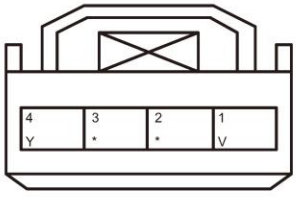
B-66
Left surround mid-tweeter



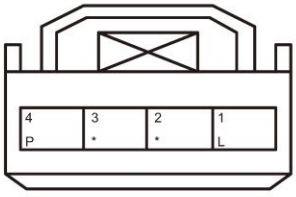
B-67
Right surround
mid-tweeter



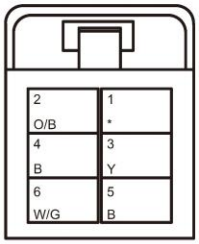
B-68
Subwoofer - A



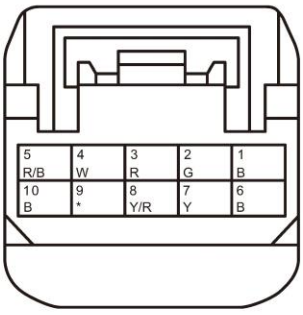
B-69
Subwoofer - B



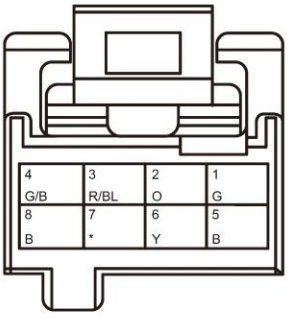
B-70
Trunk release switch



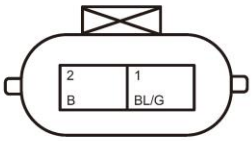
B-71
Console switch



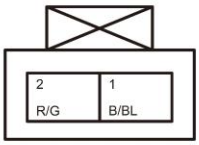
B-72
3rd row seat
folding/releasing switch



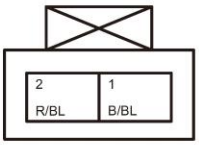
B-73
Engine hood switch



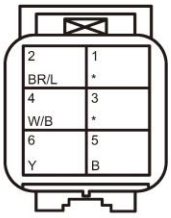
B-74
Left rear seat backrest limit switch



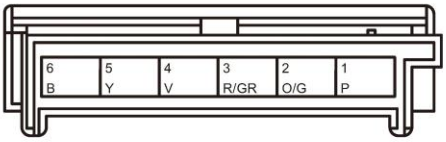
B-75
Right rear seat backrest limit switch



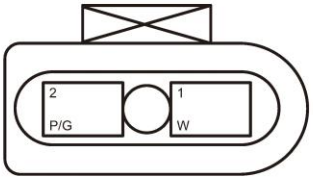
B-76
Fast charging port cover switch



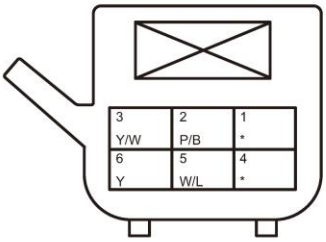
B-78
Sunroof sunshade switch



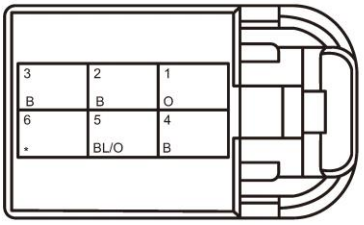
B-79
Battery coolant level switch



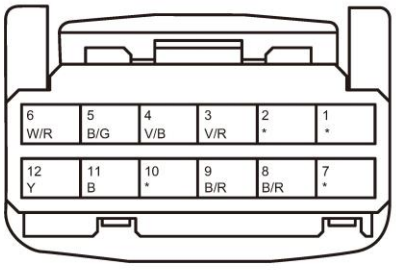
B-80
Low voltage maintenance switch



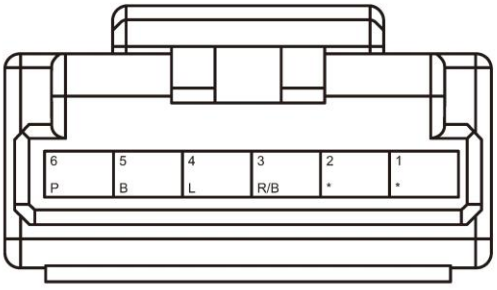
B-81
Hazard warning button



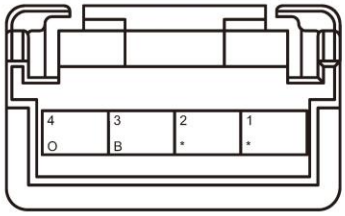
B-82
Parking brake switch



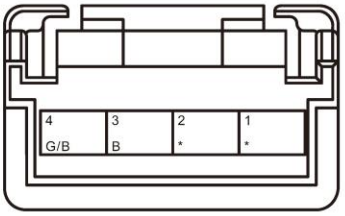
B-83
Rear control panel switch



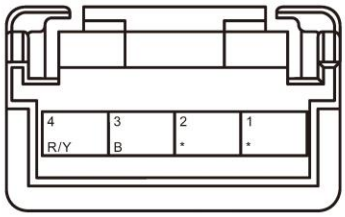
B-84
Microphone - A



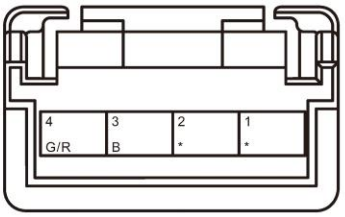
B-85
Microphone - C



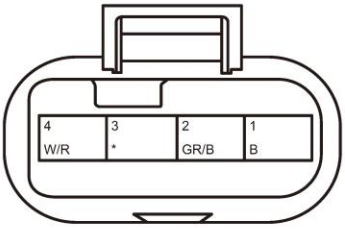
B-86
Microphone II



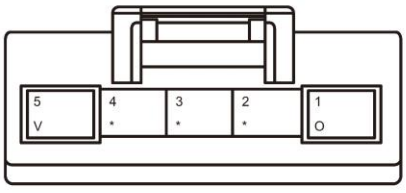
B-87
Microphone IV



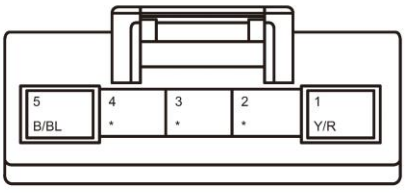
B-89
DC charging port cover
motor



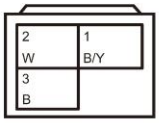
B-90
2nd row left seat backrest
adjustment motor



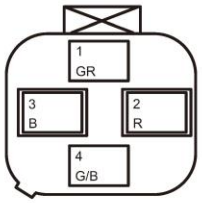
B-91
2nd row right seat backrest
adjustment motor



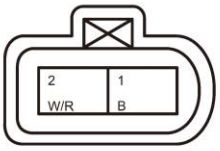
B-92
Rear blower motor



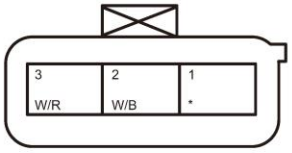
B-93
Cooling fan



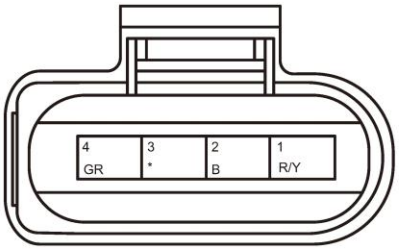
B-94
Air compressor motor



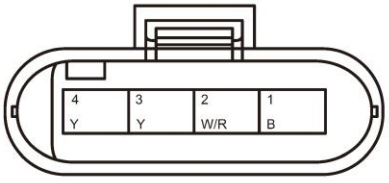
B-95
Windscreen washer



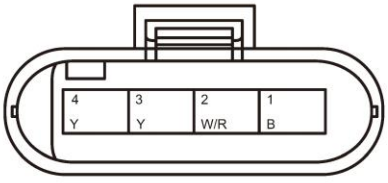
B-96
Front wiper



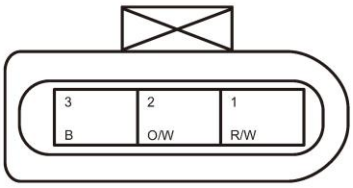
B-97
AGS control motor-A



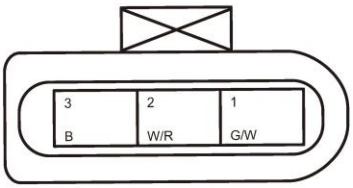
B-98
AGS control motor-B



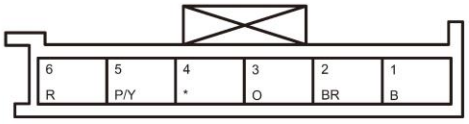
B-99
Electric water pump



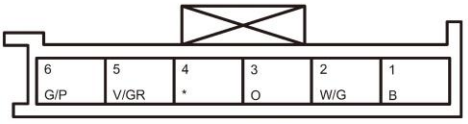
B-100
Electric water pump-B



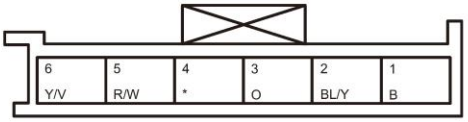
B-101
Rear HVAC left temperature damper servo motor



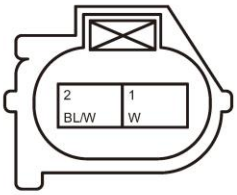
B-102
Rear HVAC mode damper



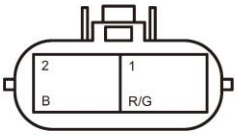
B-103
Rear HVAC right temperature damper servo motor



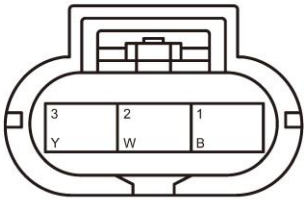
B-104
Refrigerant two-way valve



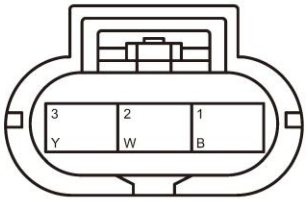
B-105
Front windshield heating



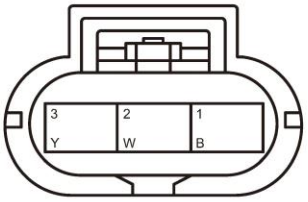
B-106
3-way water valve A



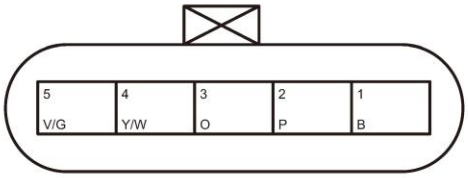
B-107
3-way water valve B



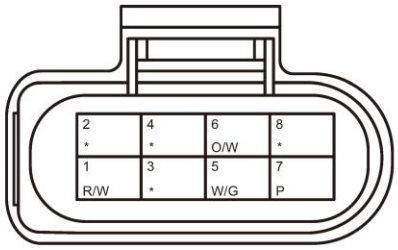
B-108
3-way water valve C



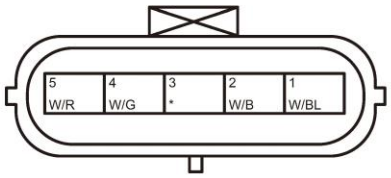
B-109
Heater water valve



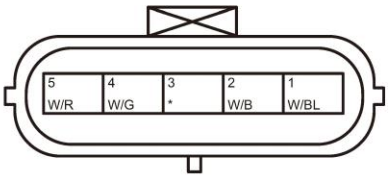
B-110
Water heater PTC



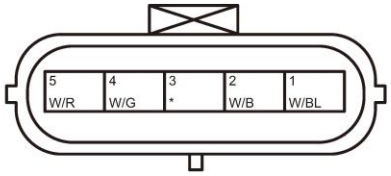
B-111
Battery expansion valve



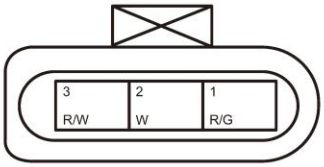
B-112
Chiller expansion valve



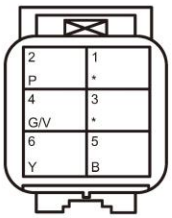
B-113
Heater expansion valve



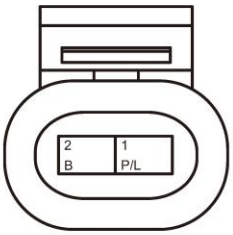
B-114
Air compressor electric booster valve



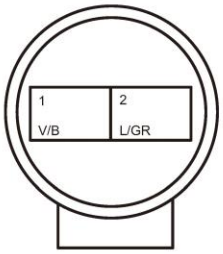
B-115
Battery connection relay



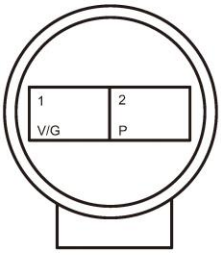
B-116
Battery connection relay



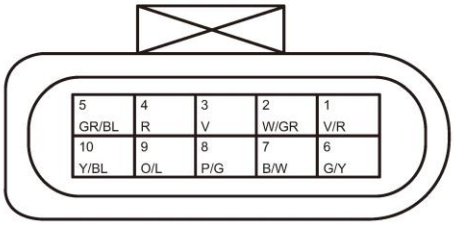
B-117
Left front continuous damping control vibration damper



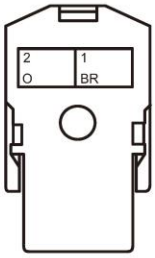
B-118
Right front continuous damping control vibration damper



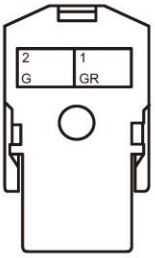
B-119
AirS solenoid valve



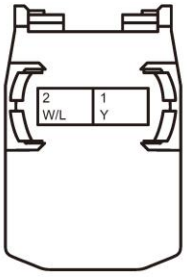
B-120
Left side curtain airbag



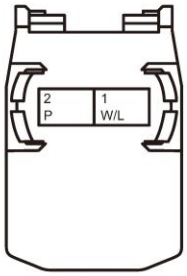
B-121
Right side curtain airbag



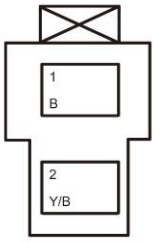
B-122
Driver seat belt pretensioner



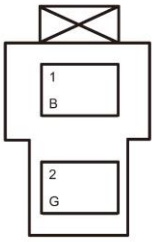
B-123
Front passenger seat belt pretensioner



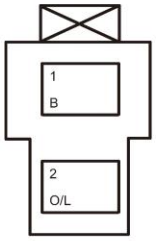
B-124
Rear left seat belt buckle



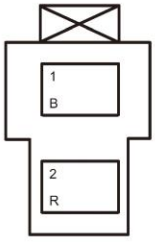
B-125
Rear middle seat belt buckle



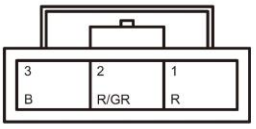
B-126
Rear right seat belt buckle



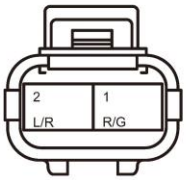
B-127
Backup power supply (front row 12V power supply)



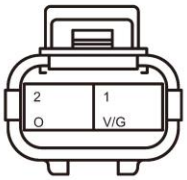
B-128
220V power supply



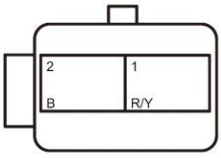
B-131
Console inside antenna



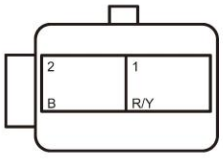
B-132
Trunk inside antenna



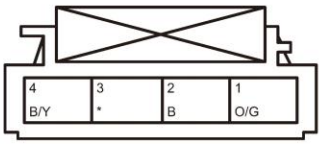
B-133
Left front sun visor



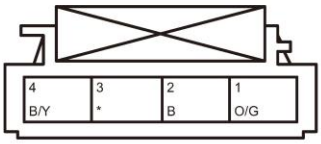
B-134
Right front sun visor



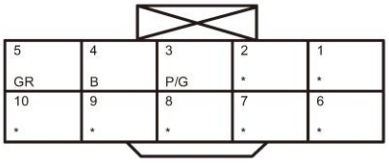
B-135
3rd row left single-port USB



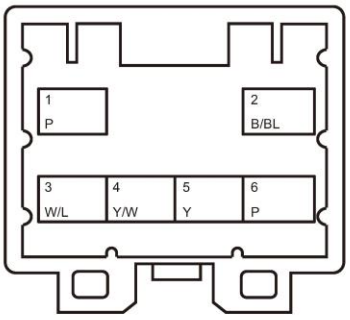
B-136
3rd row right single-port USB



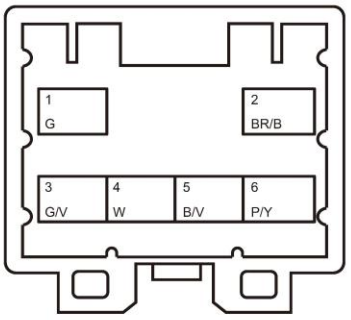
B-137
Fine dust mirror



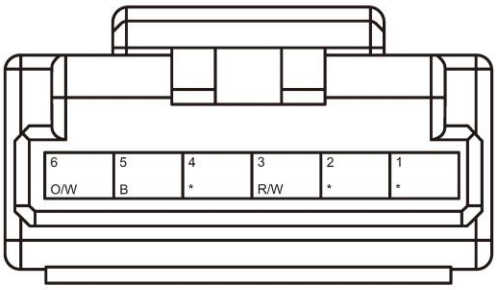
B-139
PLG left power strut



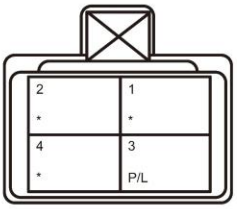
B-140
PLG right power strut



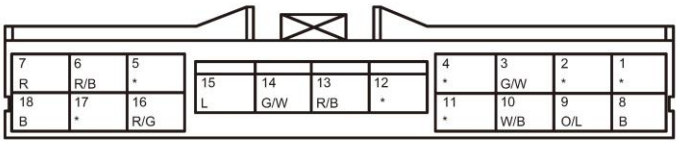
B-141
3rd row panel



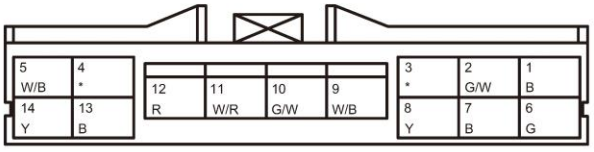
B-142
Engine compartment
main power distribution
box C



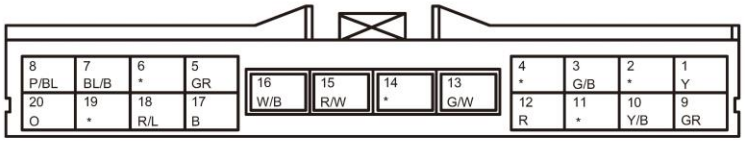
B-143
Engine compartment
main power distribution
box D



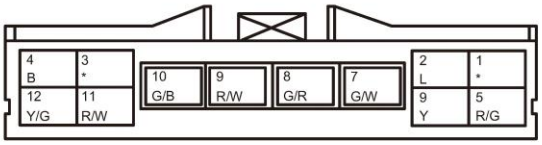
B-144
Engine compartment
main power distribution
box E



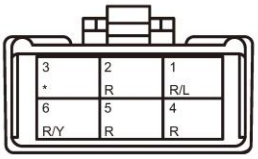
B-145
Engine compartment
main power distribution
box F



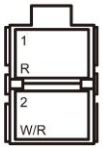
B-146
Engine compartment
main power distribution
box G



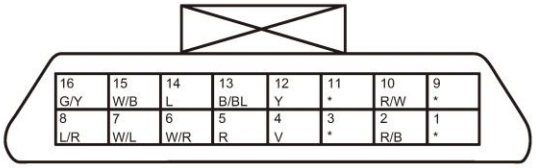
B-147
Engine compartment
main power distribution
box H



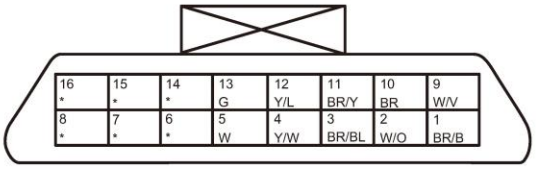
B-148
Engine compartment
main power distribution
box I



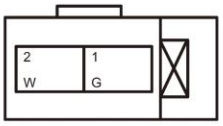
B-149
Commissioning OBD
DLC B



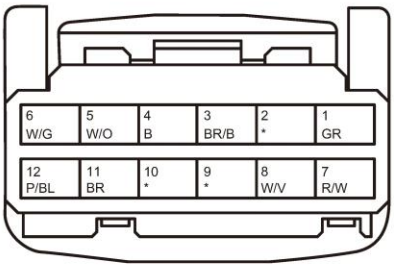
B-150
Commissioning OBD
DLC C



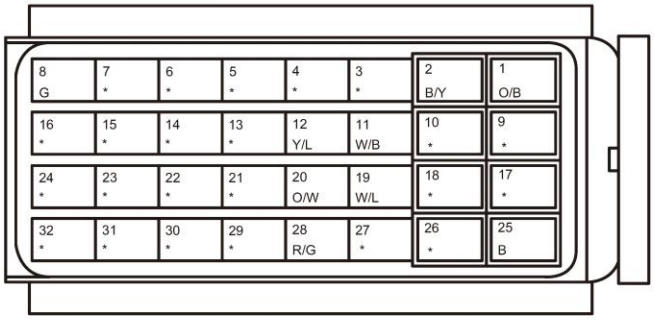
B-152
A/C panel control unit (ethernet)



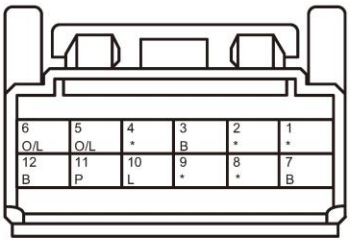
B-155
Intelligent front camera (IFC)



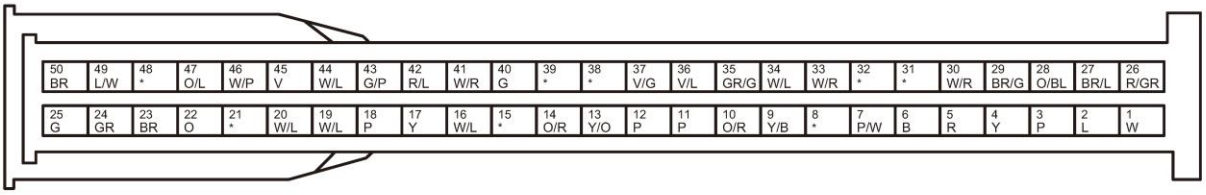
B-156
Charging controller



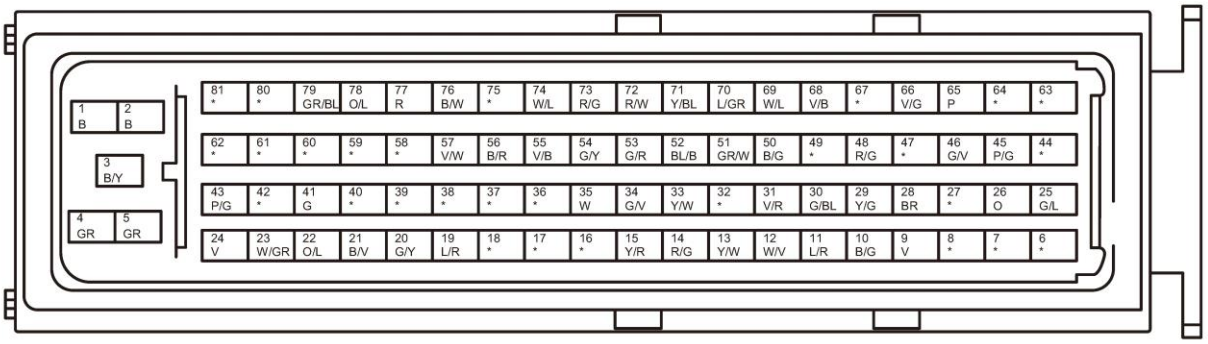
B-158
A/C panel control unit A



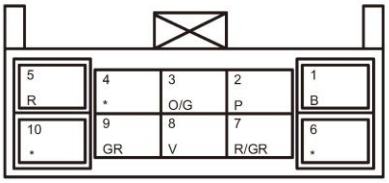
B-160
Airbag control unit (ACU)



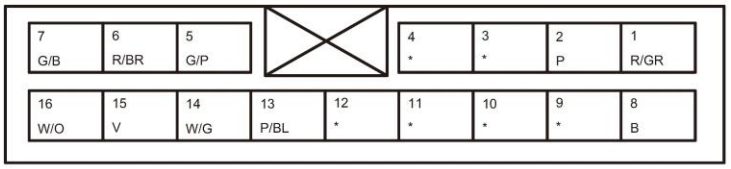
B-161
AirS control unit



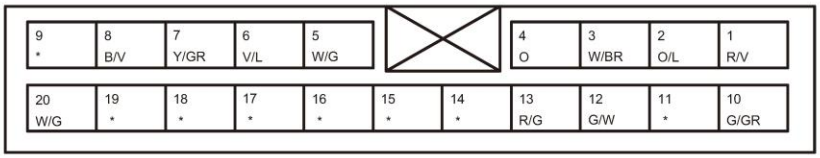
B-162
Sunroof motor control unit



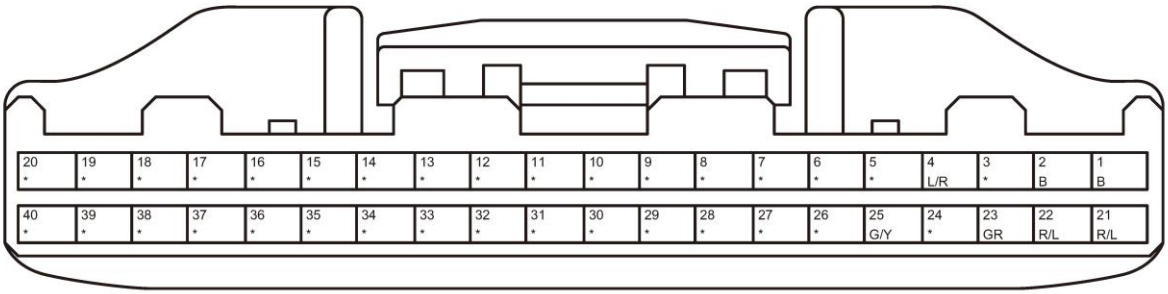
B-163
Parking distance control (PDC) A



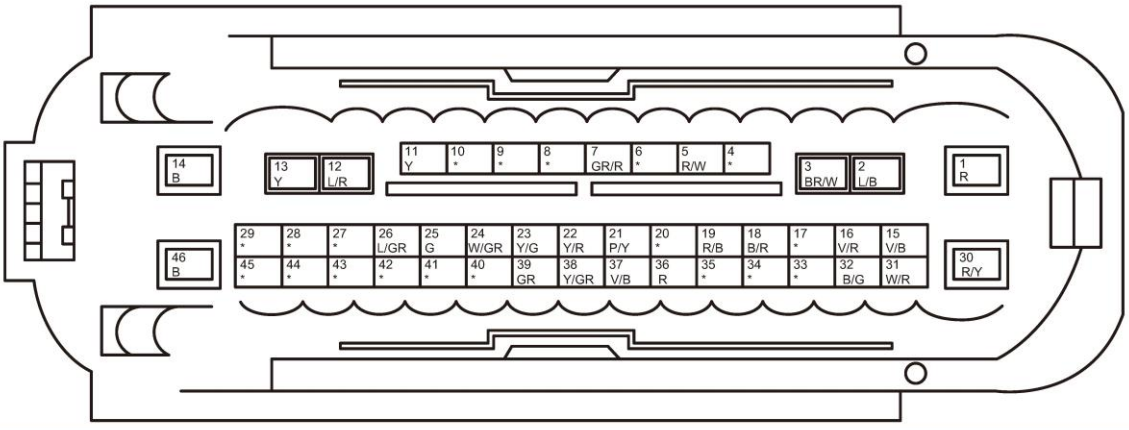
B-164
Parking distance control (PDC) B



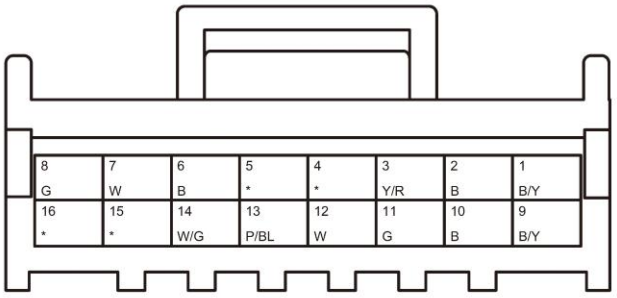
B-165
Driving mode selector (DMS)



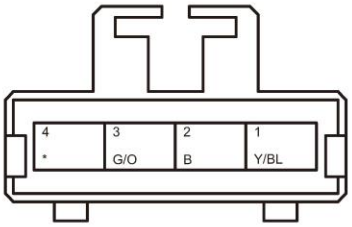
B-166
Electronic Stability Control (ESC)



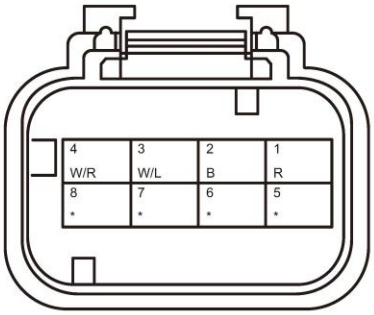
B-168
Around view monitor (AVM)



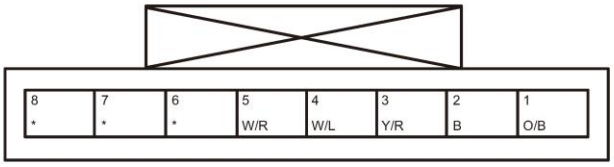
B-169
RF transmitter controller



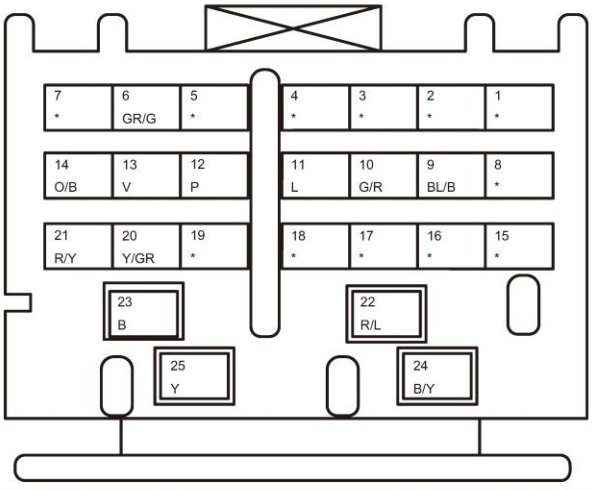
B-170
Pedestrian warning controller



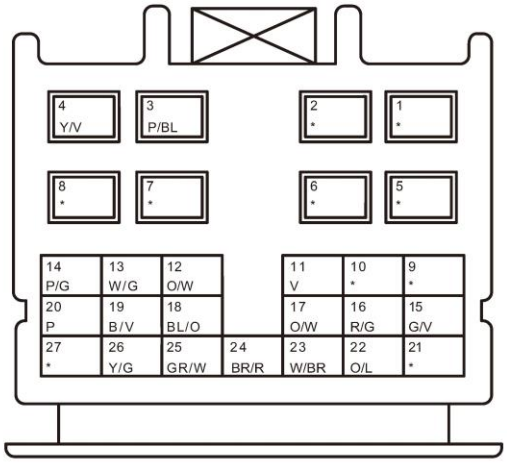
B-171
Electronic shift controller



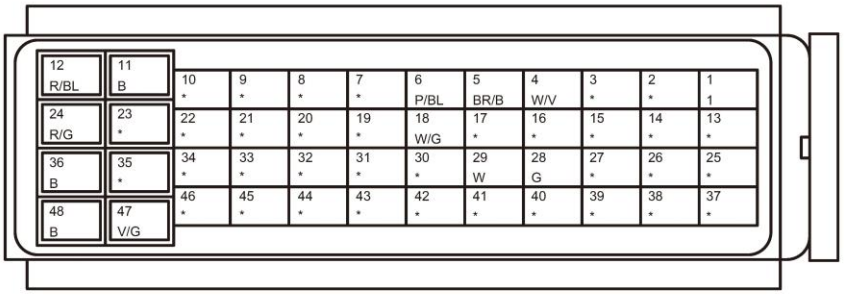
B-172
Rear lighting control unit A



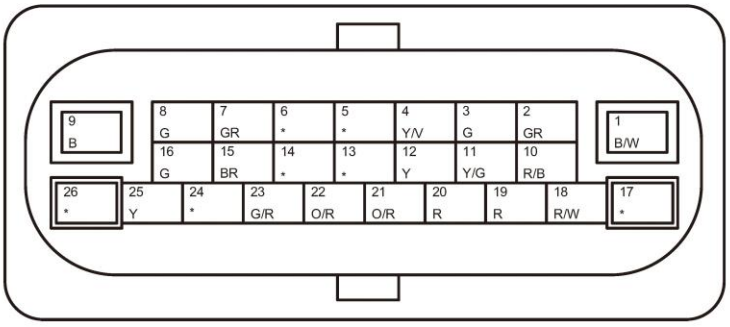
B-173
Rear lamp controller B



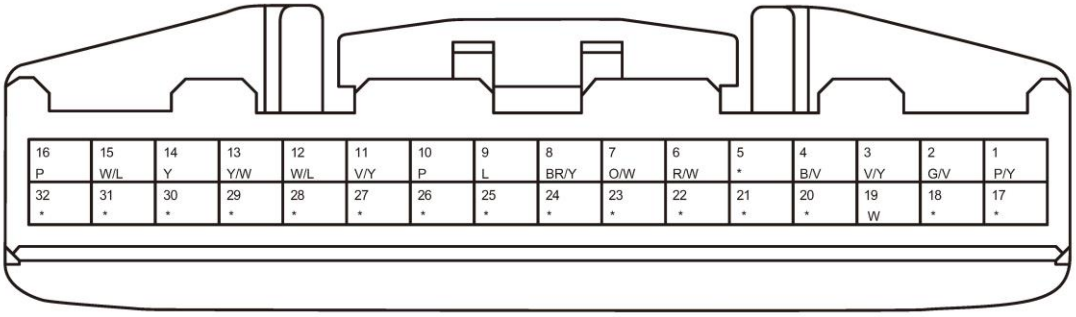
B-174
Autonomous driving vehicle (ADV)



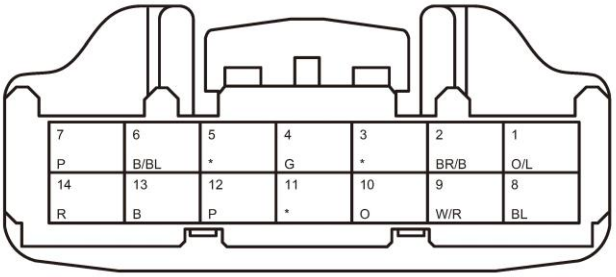
B-175
I-BOOST control unit



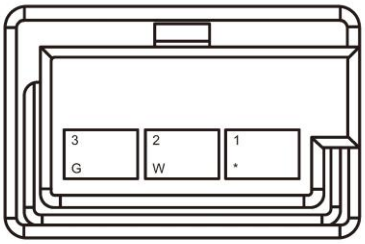
B-176
Power lift gate (PLG) control unit A



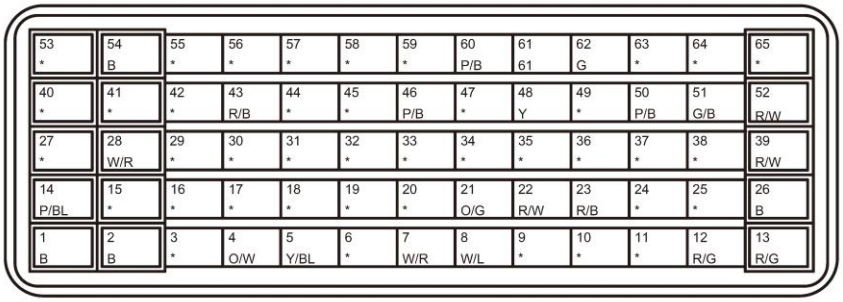
B-177
Power lift gate (PLG) control unit B



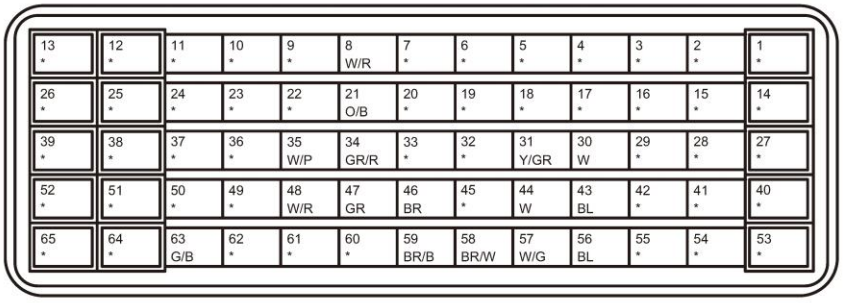
B-178
Intelligent antenna (T-BOX)
ethernet



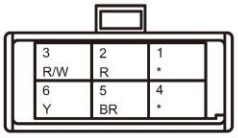
B-179
Hybrid control unit (HCU) A



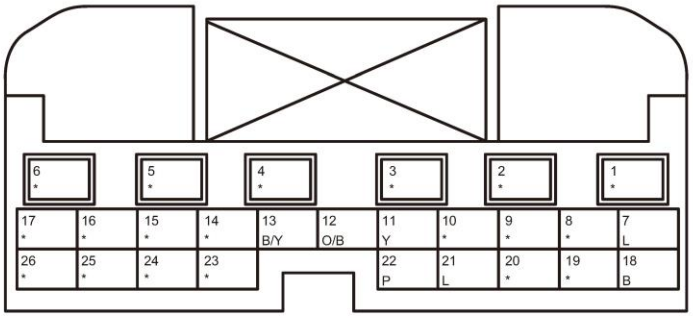
B-180
Hybrid control unit (HCU) B



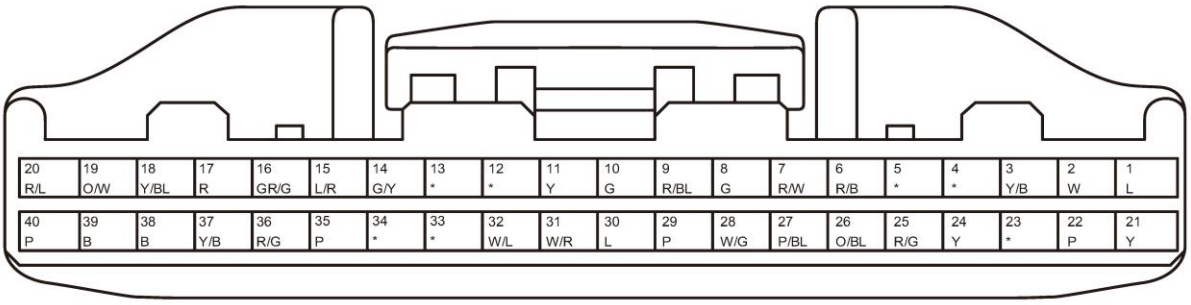
B-181
Trailer identification controller B



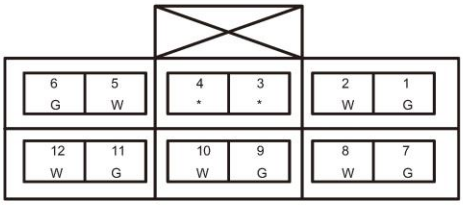
B-182
Trailer identification controller A



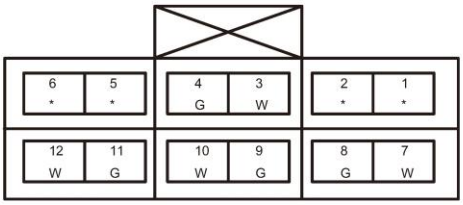
B-184
GCU A



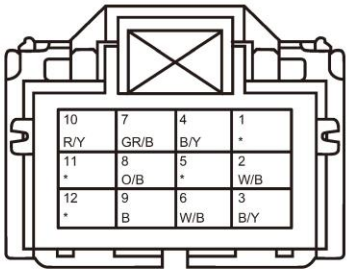
B-185
GCU B-ethernet (white)



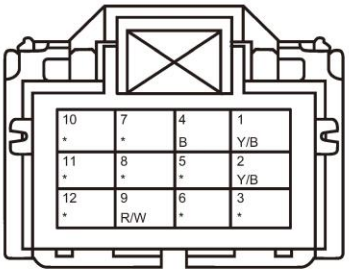
B-186
GCU C-ethernet (black)



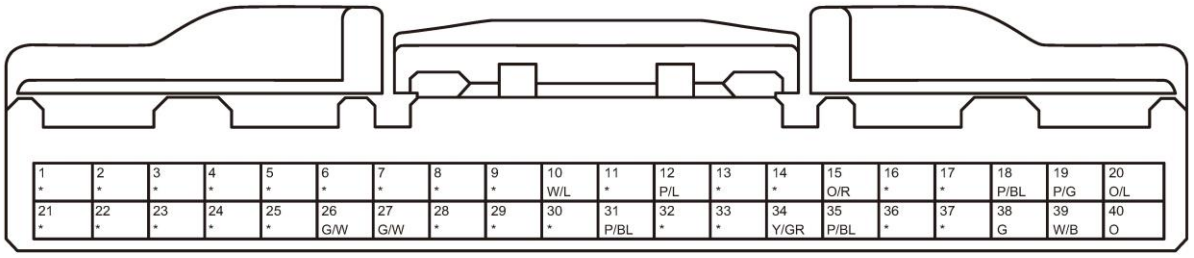
B-187
Body control module (BCM) A



B-188
Body control module (BCM) B

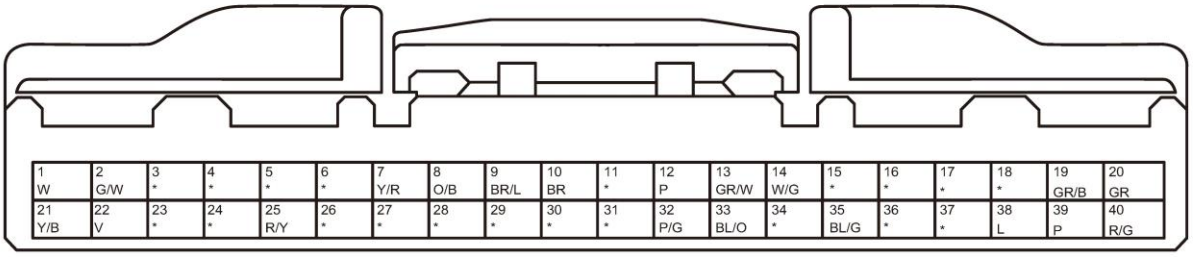


B-189
Body control module (BCM) C



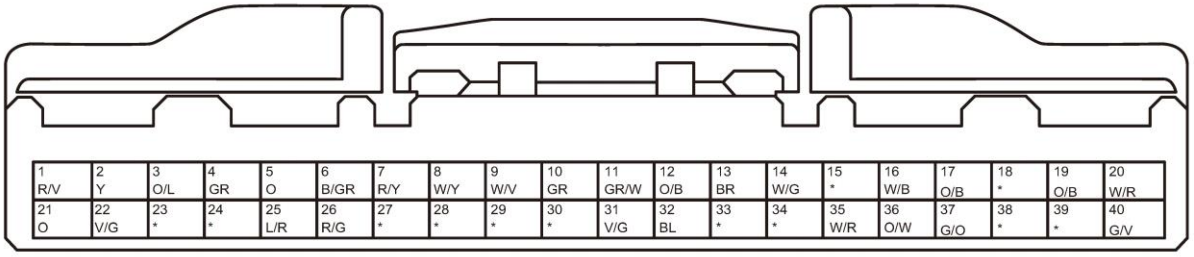
1 *	2 *	3 *	4 *	5 *	6 *	7 *	8 *	9 *	10 W/L	11 *	12 P/L	13 *	14 *	15 O/R	16 *	17 *	18 P/BL	19 P/G	20 O/L
21 *	22 *	23 *	24 *	25 *	26 G/W	27 G/W	28 *	29 *	30 *	31 P/BL	32 *	33 *	34 Y/GR	35 P/BL	36 *	37 *	38 G	39 W/B	40 O

B-190
Body control module (BCM) D



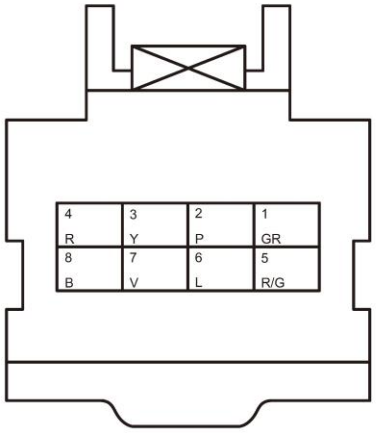
1 W	2 G/W	3 *	4 *	5 *	6 *	7 Y/R	8 O/B	9 BR/L	10 BR	11 *	12 P	13 GR/W	14 W/G	15 *	16 *	17 *	18 *	19 GR/B	20 GR
21 Y/B	22 V	23 *	24 *	25 R/Y	26 *	27 *	28 *	29 *	30 *	31 *	32 P/G	33 BL/O	34 *	35 BL/G	36 *	37 *	38 L	39 P	40 R/G

B-191
Body control module (BCM) E



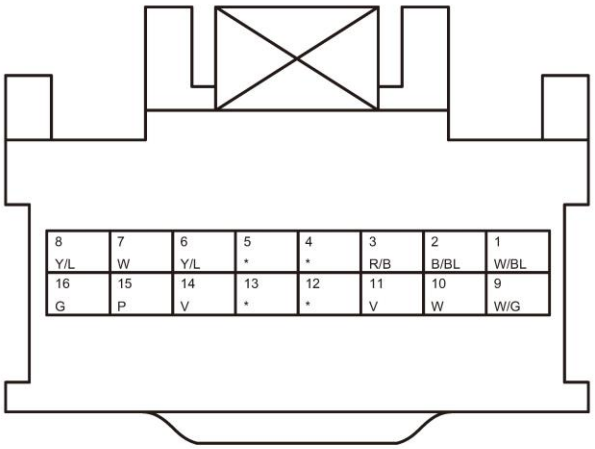
1 R/V	2 Y	3 O/L	4 GR	5 O	6 B/GR	7 R/Y	8 W/Y	9 W/V	10 GR	11 GR/W	12 O/B	13 BR	14 W/G	15 *	16 W/B	17 O/B	18 *	19 O/B	20 W/R
21 O	22 V/G	23 *	24 *	25 L/R	26 R/G	27 *	28 *	29 *	30 *	31 V/G	32 BL	33 *	34 *	35 W/R	36 O/W	37 G/O	38 *	39 *	40 G/V

B-192
Power amplifier (AMP) 1-6E7/6EK



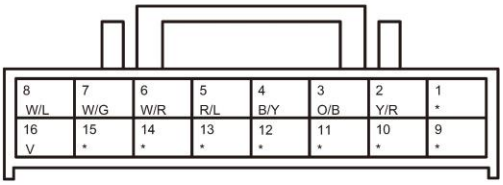
4 R	3 Y	2 P	1 GR
8 B	7 V	6 L	5 R/G

B-193
Power amplifier (AMP) 2-6E7/6EK

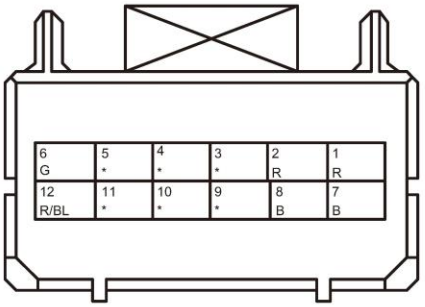


8 Y/L	7 W	6 Y/L	5 *	4 *	3 R/B	2 B/BL	1 W/BL
16 G	15 P	14 V	13 *	12 *	11 V	10 W	9 W/G

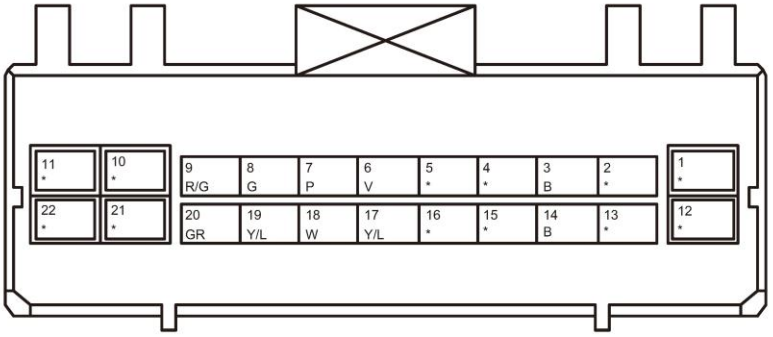
B-194
Power amplifier (AMP) 3-6E7/6EK



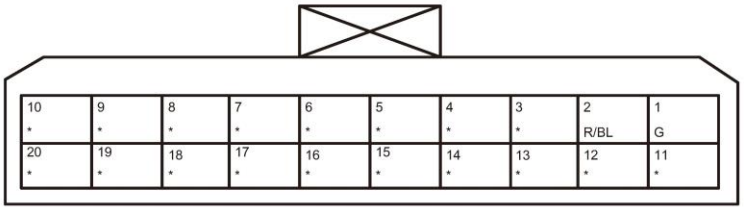
B-195
Power amplifier (AMP) 1-6E5



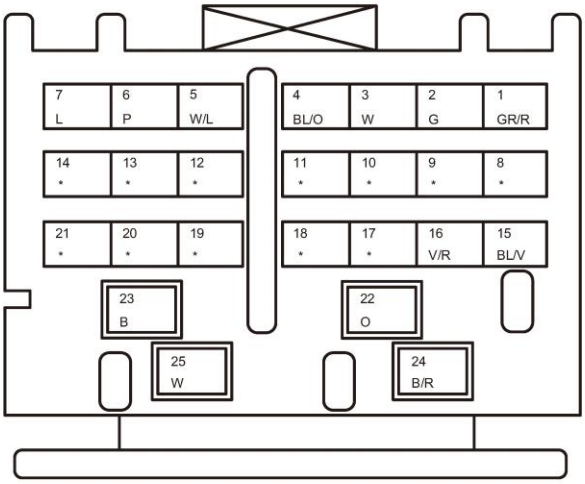
B-196
Power amplifier (AMP) 2-6E5



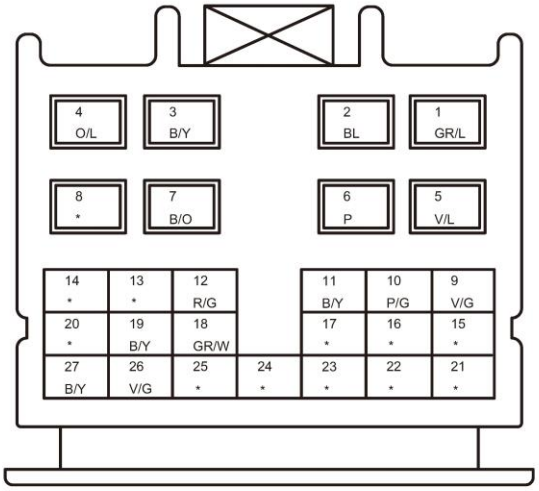
B-197
Power amplifier (AMP) 5-6E7/6EK



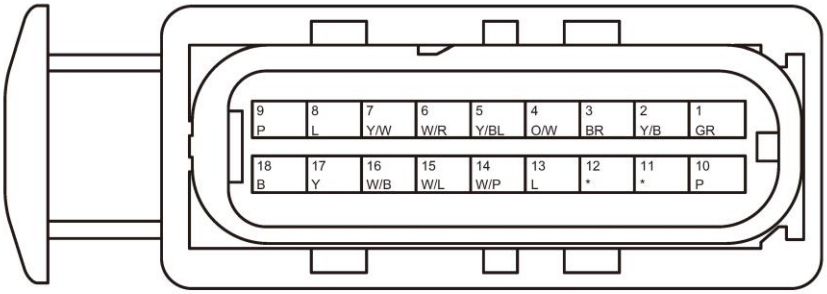
B-198
Front lighting control unit A



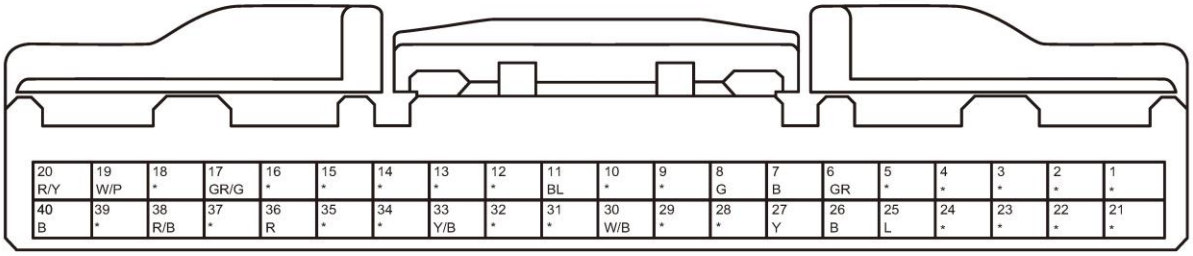
B-199
Front lighting control unit B



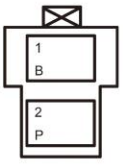
B-203
Battery management system (BMS)



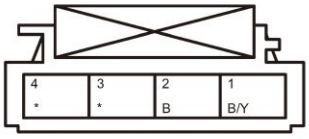
B-204
Intelligent antenna (T-BOX)



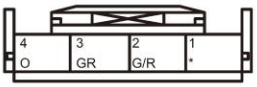
B2-01
Rear backup power supply (2nd row 12V power supply)



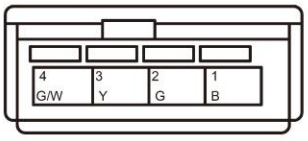
B2-02
Dual-port USB



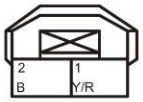
I-01
Sunlight sensor



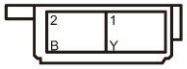
I-02
Steering angle sensor (SAS)



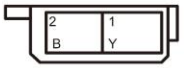
I-04
Interior temperature sensor



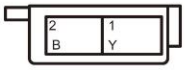
I-05
IP air outlet LED lamp-A



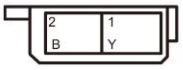
I-06
IP air outlet LED lamp-B



I-07
IP air outlet LED lamp-C



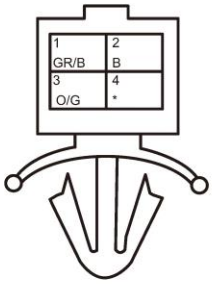
I-08
IP air outlet LED lamp-D



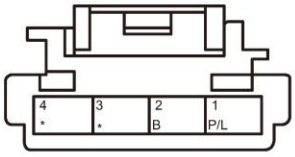
I-09
Center console ambient lamp assembly



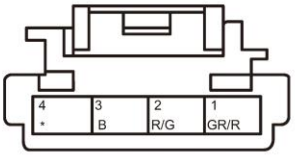
I-10
Center IP ambient lamp assembly



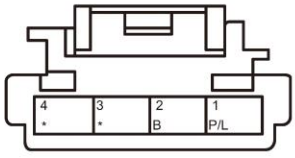
I-11
Left front footwell lamp (base)



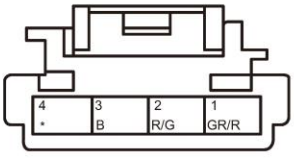
I-12
Left front footwell lamp (premium)



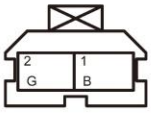
I-13
Right front footwell lamp (base)



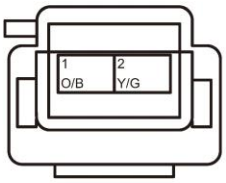
I-14
Right front footwell lamp (premium)



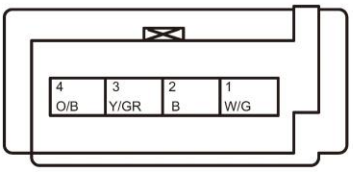
I-15
Glove box lamp



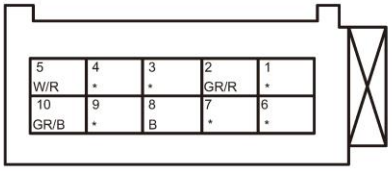
I-16
Center squawker and tweeter



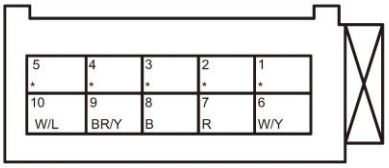
I-17
Brake switch



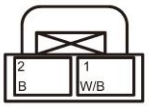
I-18
Combination switch



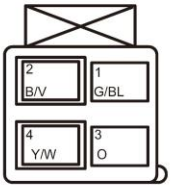
I-19
Steering column regulating switch



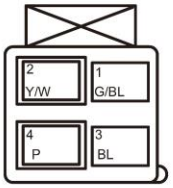
I-20
Glove box unlocking motor



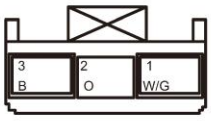
I-21
Steering column tilt motor



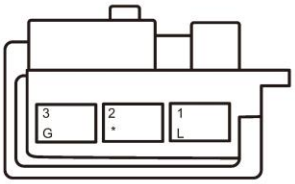
I-22
Steering column telescopic motor



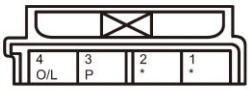
I-23
Front blower motor



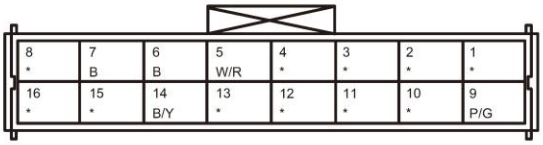
I-25
Damper



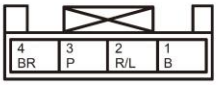
I-26
Clock spring-A



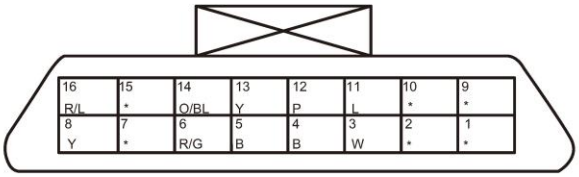
I-27
Clock spring-B



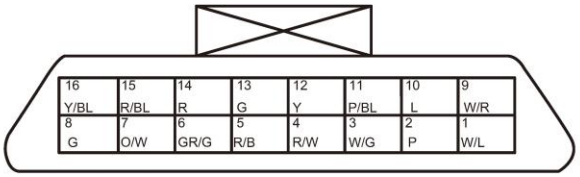
I-28
Clock spring-C



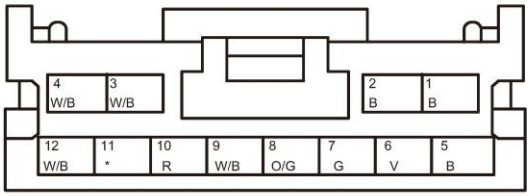
I-29
Standard OBD DLC



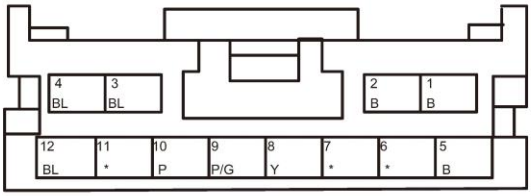
I-30
Commissioning OBD DLC A



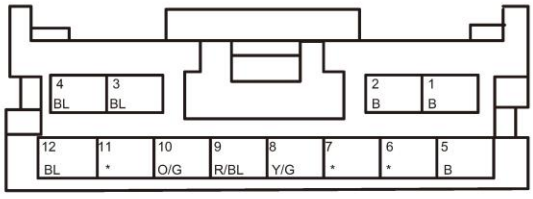
I-31
Main display (3 screens)-A



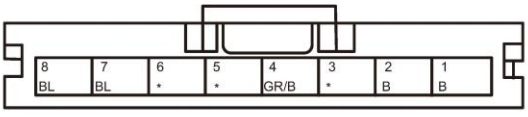
I-32
Main display (3 screens)-B



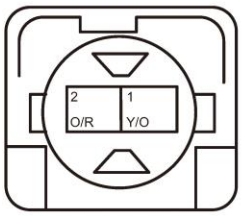
I-33
Main display (3 screens)-C



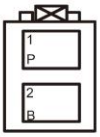
I-34
Main display (2 screens)



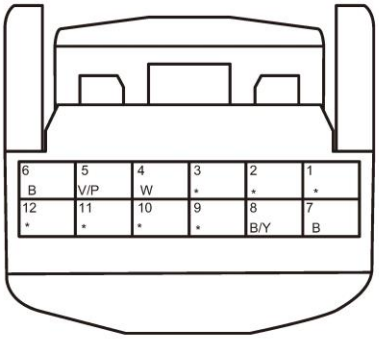
I-35
Front passenger airbag



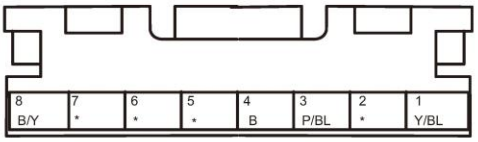
I-36
USB controller



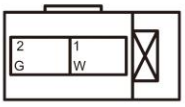
I-37
HVAC harness



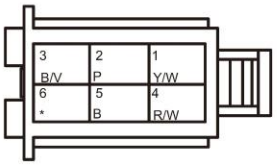
I-38
Front cellphone wireless charging controller



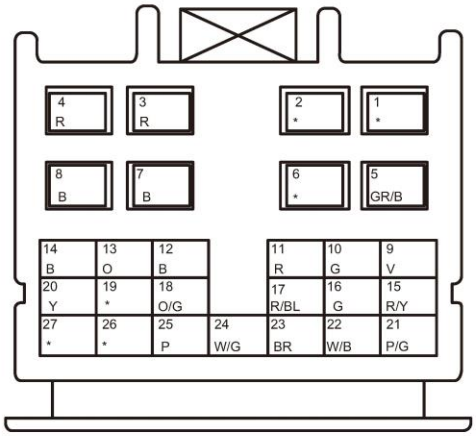
I-40
IVI-ethernet (B)



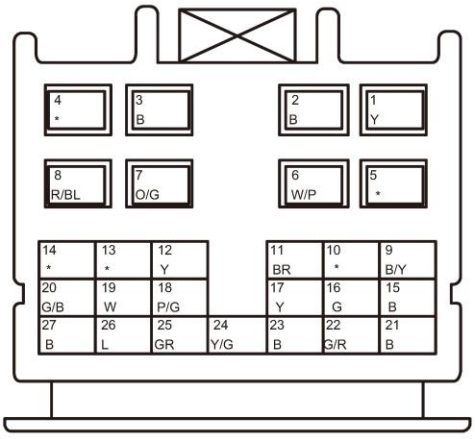
I-41
Power adjustable steering column control unit-A



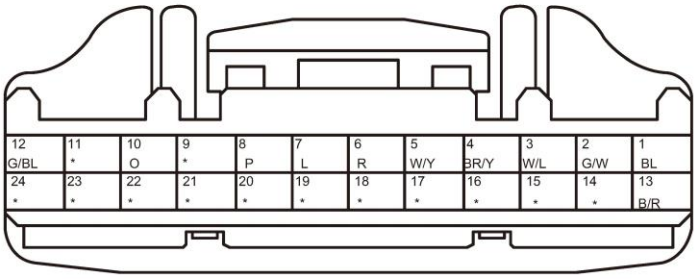
I-42
IVI C13



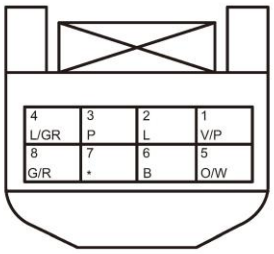
I-43
IVI C12



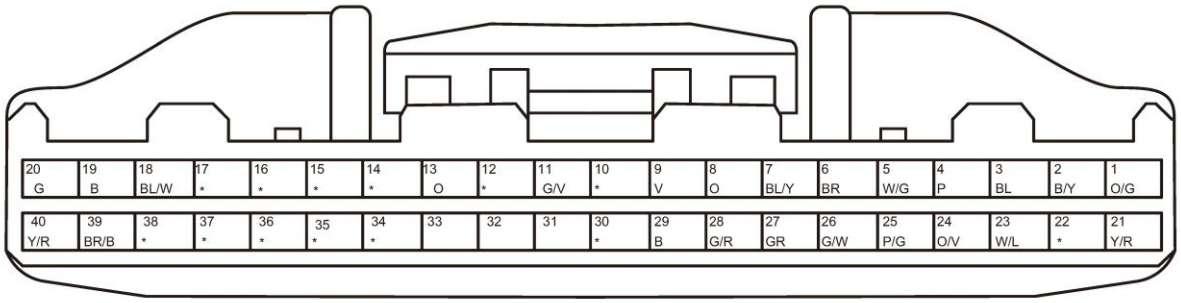
I-44
Power adjustable steering column
control unit B



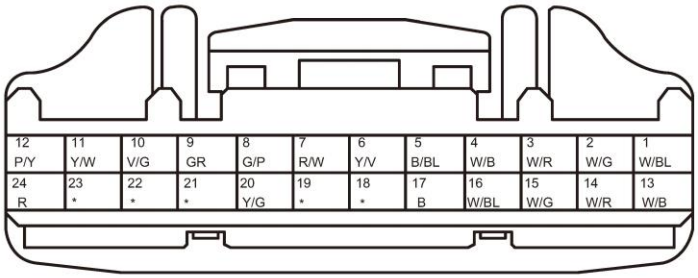
I-48
Automatic A/C control unit A



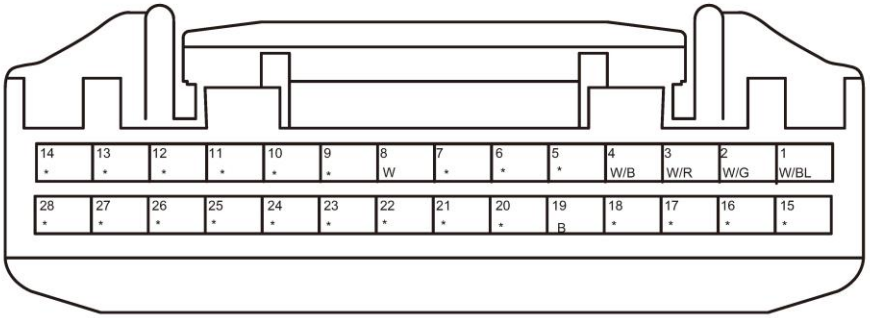
I-49
Automatic A/C control unit B



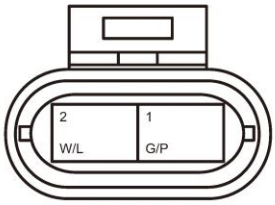
I-50
Automatic A/C control unit C



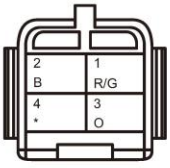
I-51
Automatic A/C control unit D



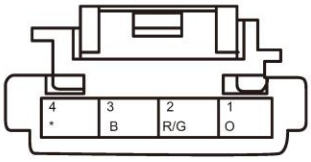
DR1-01
Driver side impact sensor



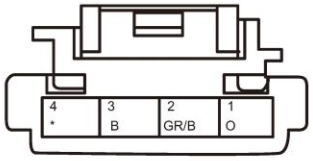
DR1-02
Left front door ambient lamp assembly A (streamer)



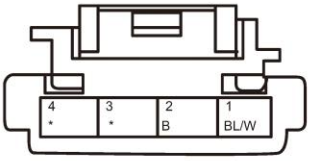
DR1-03
Left front door ambient lamp assembly B (multicolor)



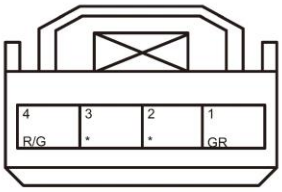
DR1-04
Left front door ambient lamp assembly-C



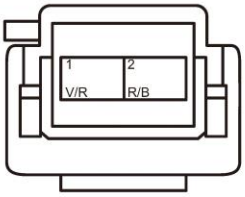
DR1-05
Left front door



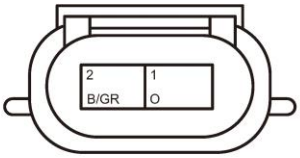
DR1-06
Left front door squawker and woofer



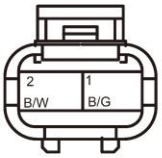
DR1-07
Left front door squawker and tweeter



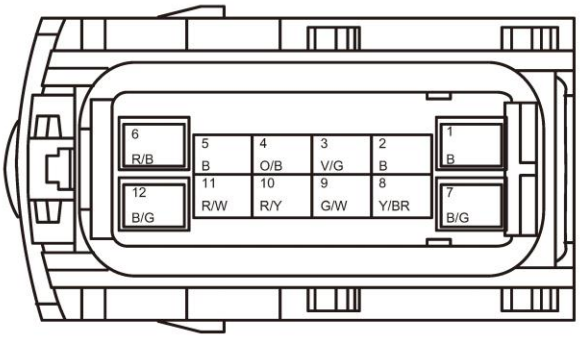
DR1-08
Left front door antenna



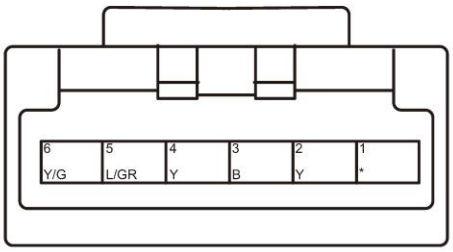
DR1-09
Left front door power window regulator



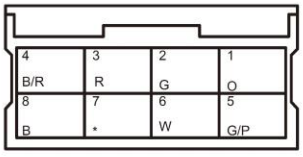
DR1-10
Left front door handle induction switch



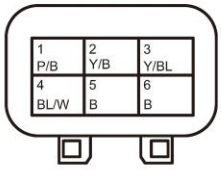
DR1-11
Central lock switch



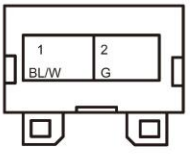
DR1-12
Left front door lock (electric suction)- A



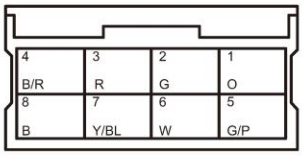
DR1-13
Left front door lock (electric suction)- B



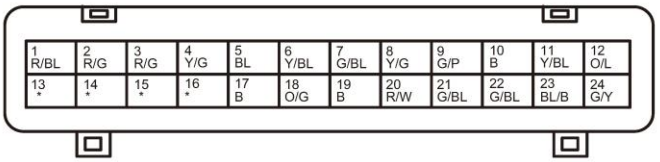
DR1-14
Left front door lock (electric suction)- C



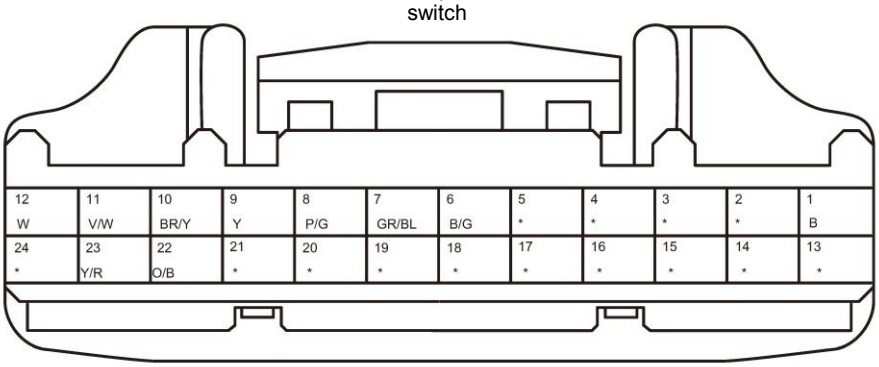
DR1-15
Left front door lock (manual suction)



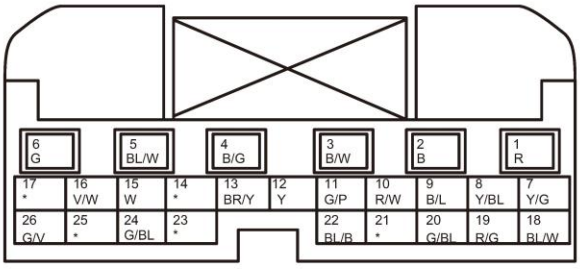
DR1-16
Left exterior rearview mirror



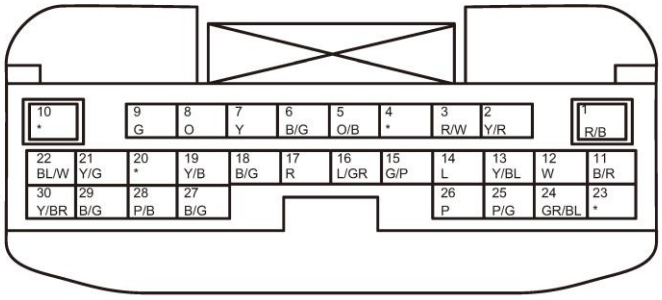
DR1-17
Left front door power window switch



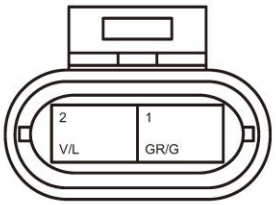
DR1-18
Drive door control unit (DDCU) A



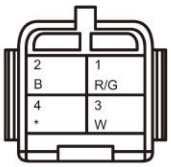
DR1-19
Drive door control unit (DDCU) B



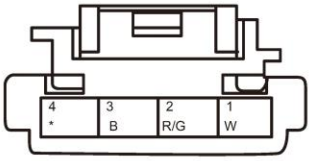
DR2-01
Passenger side impact sensor



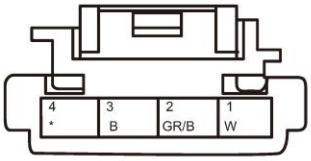
DR2-02
Right front door ambient lamp assembly A (flash)



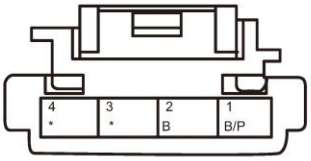
DR2-03
Right front door ambient lamp assembly B (multicolor)



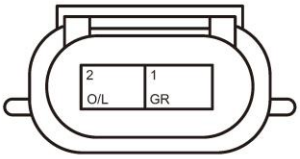
DR2-04
Right front door ambient lamp assembly C



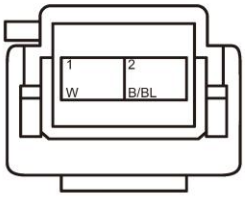
DR2-05
Right front door lamp



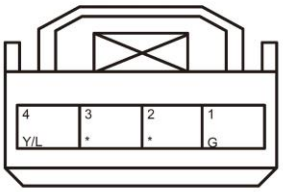
DR2-06
Right front door antenna



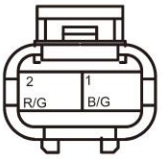
DR2-07
Right front door squawker and tweeter



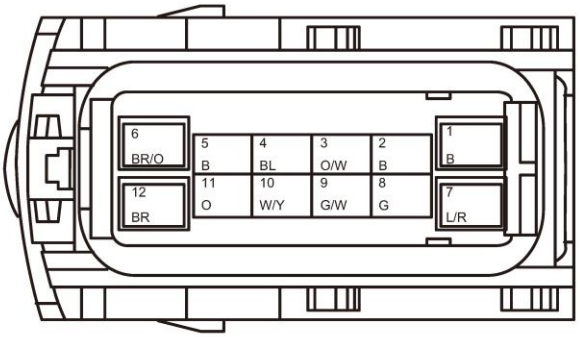
DR2-08
Right front door squawker and woofer



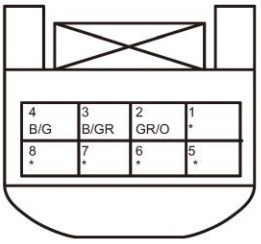
DR2-09
Right front door power window regulator



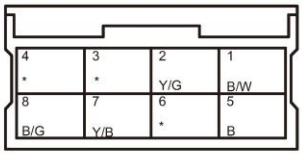
DR2-10
Right front door handle induction switch



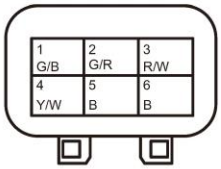
DR2-11
Right front door power window switch



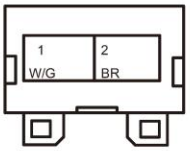
DR2-12
Right front door lock (electric suction)- A



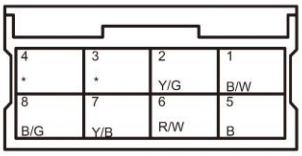
DR2-13
Right front door lock (electric suction)- B



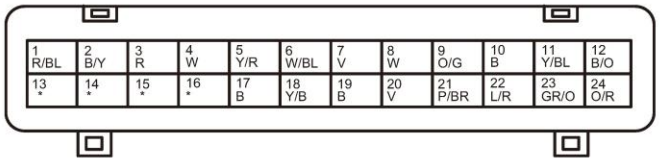
DR2-14
Right front door lock (electric suction)- C



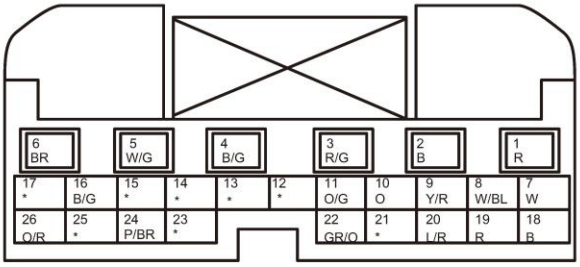
DR2-15
Right front door lock (manual suction)



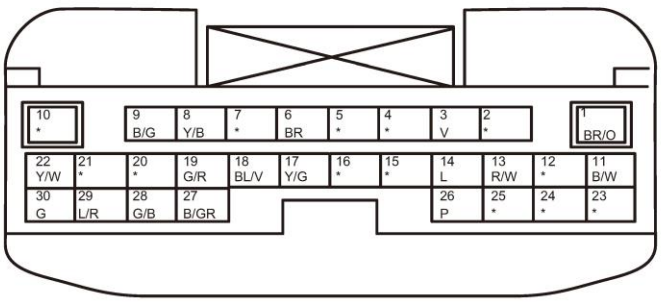
DR2-16
Right exterior rearview mirror



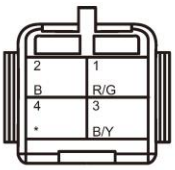
DR2-17
Passenger door control unit (PDCU) A



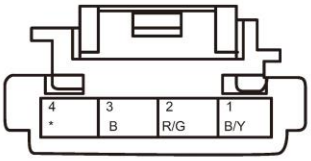
DR2-18
Passenger door control unit (PDCU) B



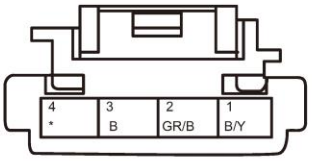
DR3-01
Left rear door ambient lamp assembly A (streamer)



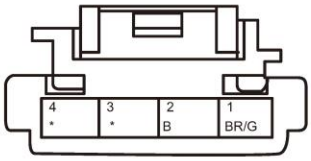
DR3-02
Left rear door ambient lamp assembly B (multicolor)



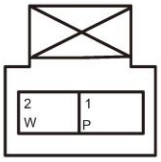
DR3-03
Left rear door ambient lamp assembly-C



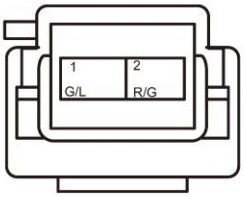
DR3-04
Left rear door lamp



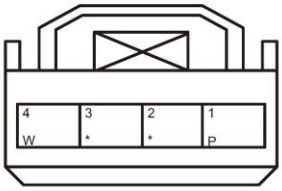
DR3-05
Left rear door tweeter



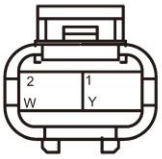
DR3-06
Left rear door squawker and tweeter



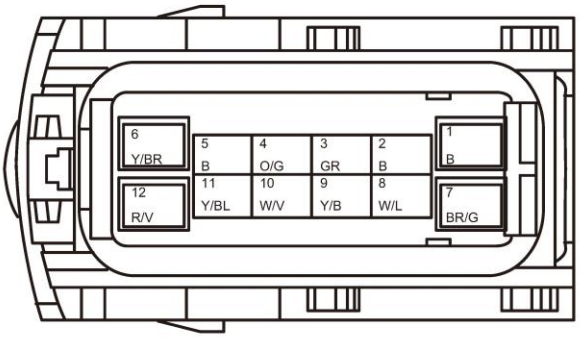
DR3-07
Left rear door squawker and woofer



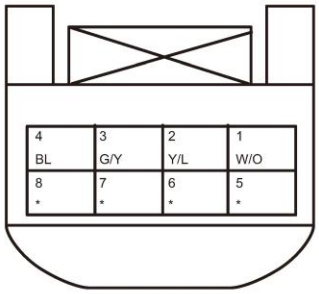
DR3-08
Left rear door power window regulator



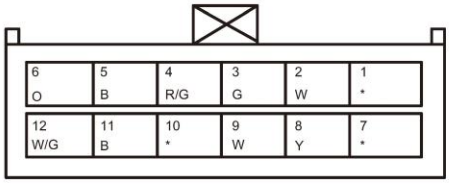
DR3-09
Left rear door handle induction switch



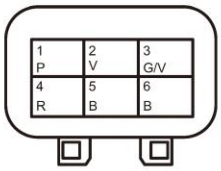
DR3-10
Left rear door window switch



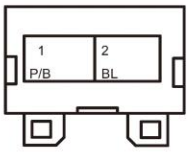
DR3-11
Left rear door lock (electric suction & electronic child safety lock)- A



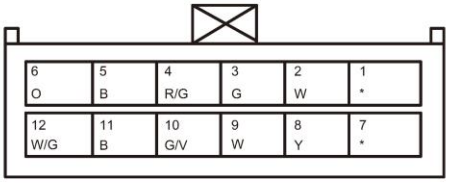
DR3-12
Left rear door lock (electric suction & electronic child safety lock)- B



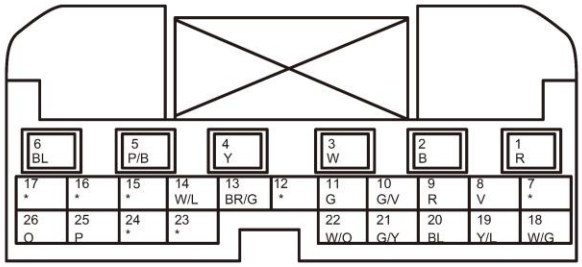
DR3-13
Left rear door lock (electric suction & electronic child safety lock)- C



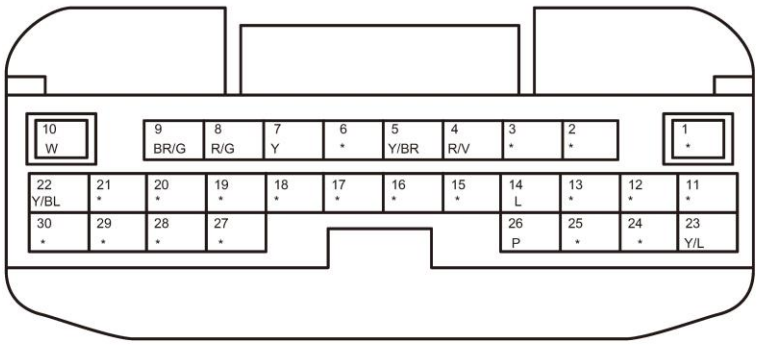
DR3-14
Left rear door lock (manual suction & electronic child safety lock)



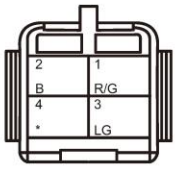
DR3-15
LR door control unit-A



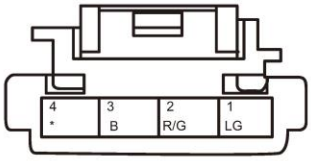
DR3-16
LR door control unit-B



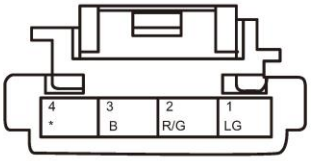
DR4-01
Right rear door ambient lamp assembly - A (flash)



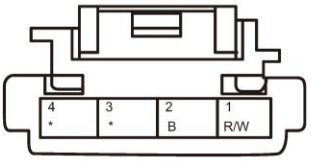
DR4-02
Right rear door ambient lamp assembly-B



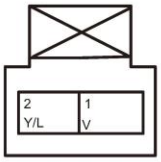
DR4-03
Right rear door ambient lamp assembly-C



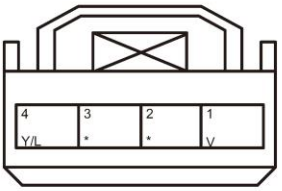
DR4-05
Right rear door lamp



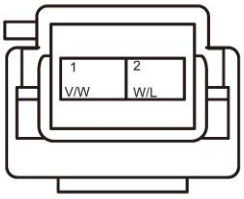
DR4-06
Right rear door tweeter



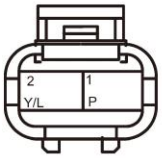
DR4-07
Right rear door squawker and woofer



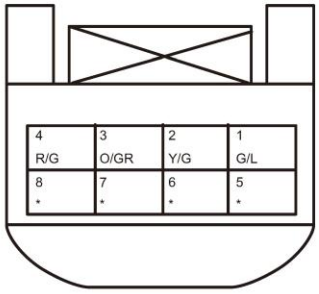
DR4-08
Right rear door squawker and tweeter



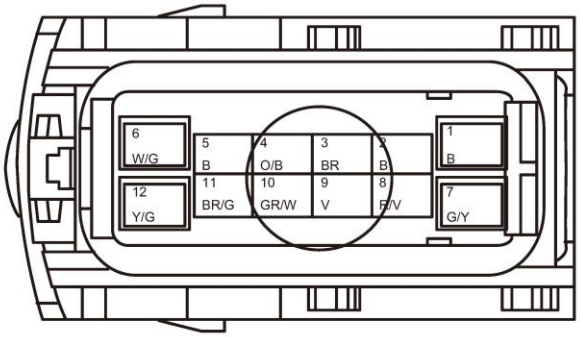
DR4-09
Right rear door power window regulator



DR4-10
Right rear door window switch

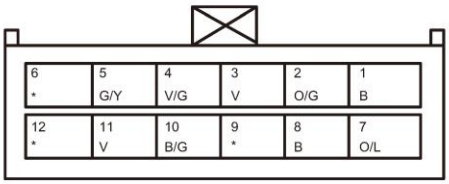


DR4-11
Right rear door handle induction switch



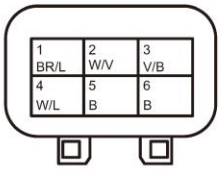
DR4-12

Right rear door lock (electric suction & electronic child safety lock)- A



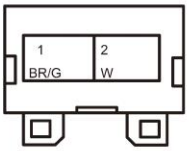
DR4-13

Right rear door lock (electric suction & electronic child safety lock)- B



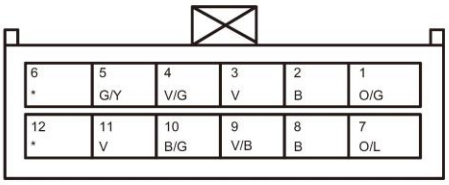
DR4-14

Right rear door lock (electric suction & electronic child safety lock)- C



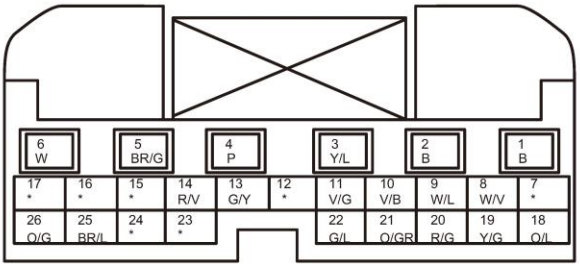
DR4-15

Right rear door lock (manual suction & electronic child safety lock)



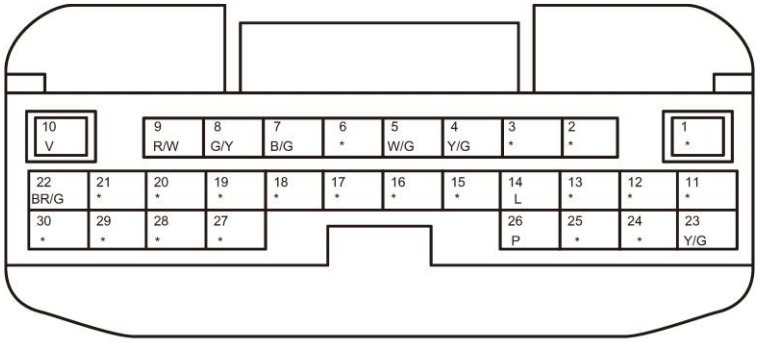
DR4-16

RR door control unit A

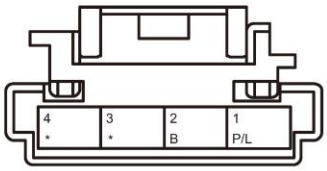


DR4-17

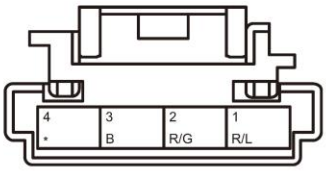
RR door control unit-B



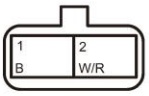
Z1-01
Left rear footwell lamp
(base)



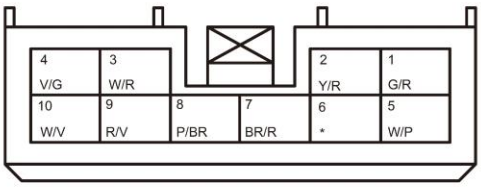
Z1-02
Left rear footwell lamp
(premium)



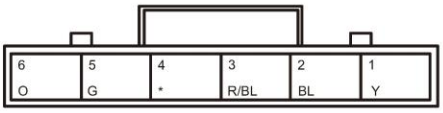
Z1-03
Driver seat belt buckle



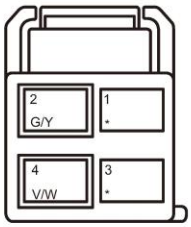
Z1-04
Driver seat adjustment
switch



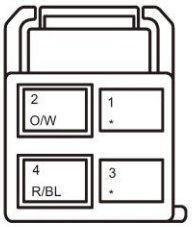
Z1-05
Driver seat lumbar support
adjustment switch



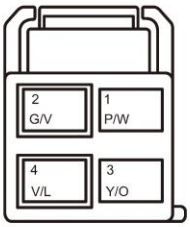
Z1-06
Driver seat slide motor



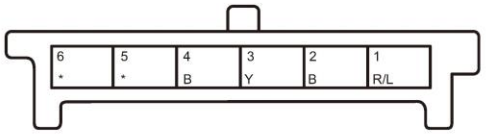
Z1-07
Driver seat forward motor



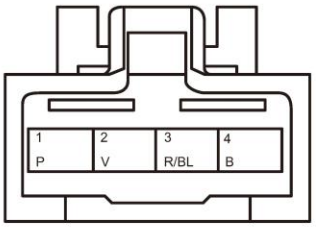
Z1-08
Driver seat cushion
adjustment motor



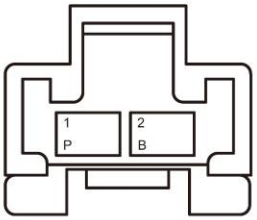
Z1-09
Driver seat cushion
ventilation motor



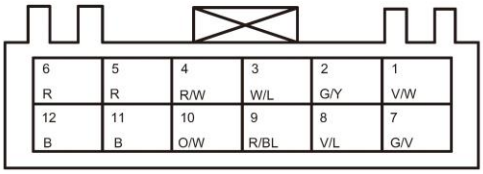
Z1-10
Driver seat cushion heater



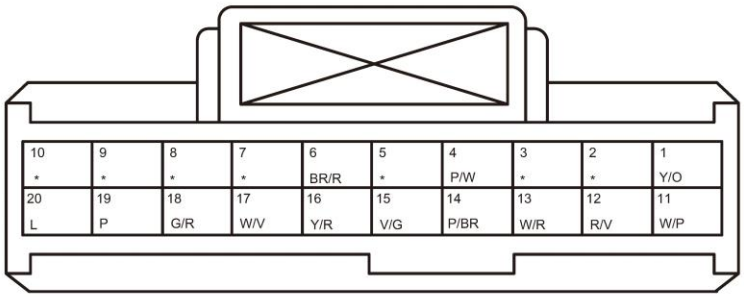
Z1-11
Driver seat depth heater



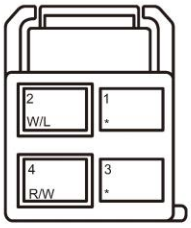
Z1-12
Driver seat control unit (DSCU) A



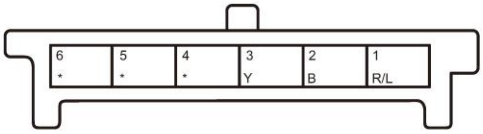
Z1-13
Driver seat control unit (DSCU) C



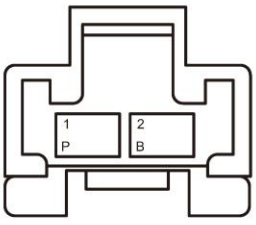
K1-01
Driver seat backrest adjustment motor



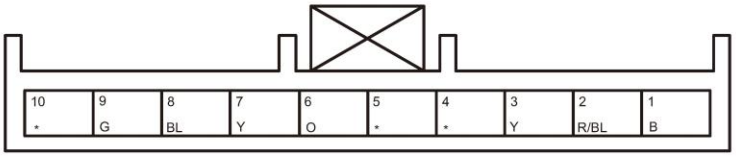
K1-02
Driver seat backrest ventilation motor



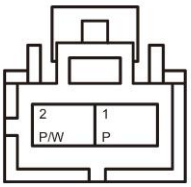
K1-03
Driver seat backrest heater



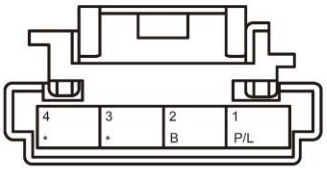
K1-04
Driver seat lumbar support adjustment motor



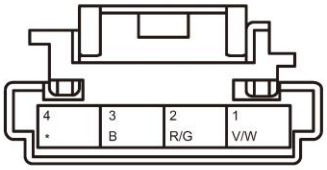
Z2-01
Occupancy sensor



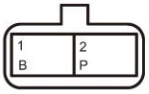
Z2-02
Right rear footwell lamp
(base)



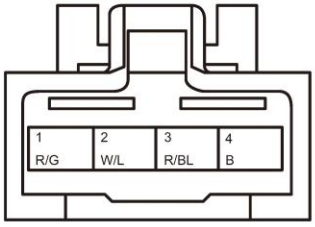
Z2-03
Right rear footwell lamp
(premium)



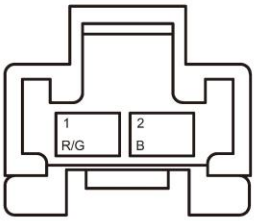
Z2-04
Front passenger seat belt
buckle



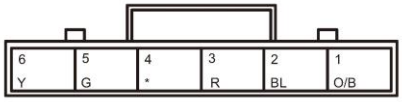
Z2-05
Front passenger seat
heater



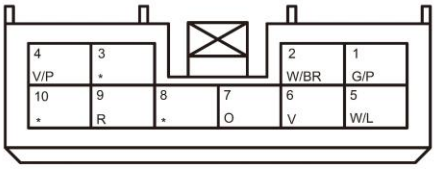
Z2-06
Front passenger seat depth
heater



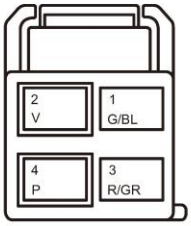
Z2-07
Front passenger seat lumbar
support adjustment switch



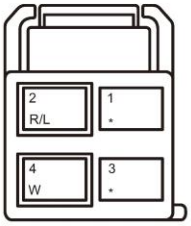
Z2-08
Front passenger seat
adjustment switch



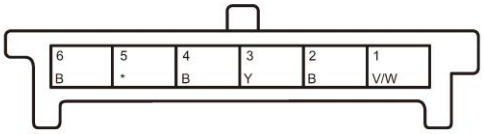
Z2-09
Front passenger seat cushion adjustment motor



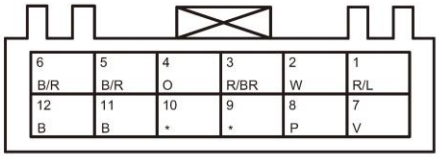
Z2-10
Front passenger seat slide motor



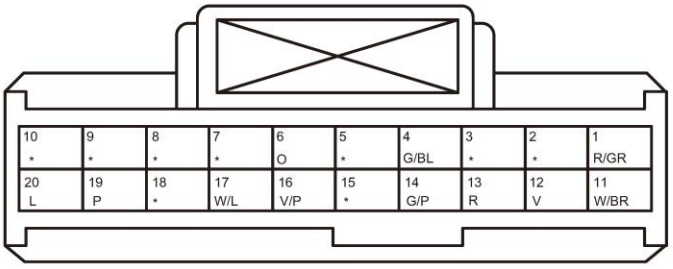
Z2-11
Front passenger seat cushion ventilation motor



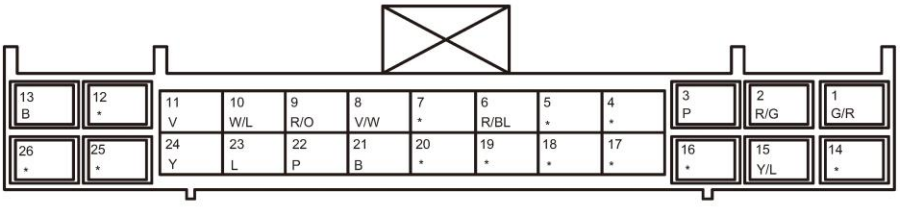
Z2-12
Passenger seat control unit (PSCU)-A



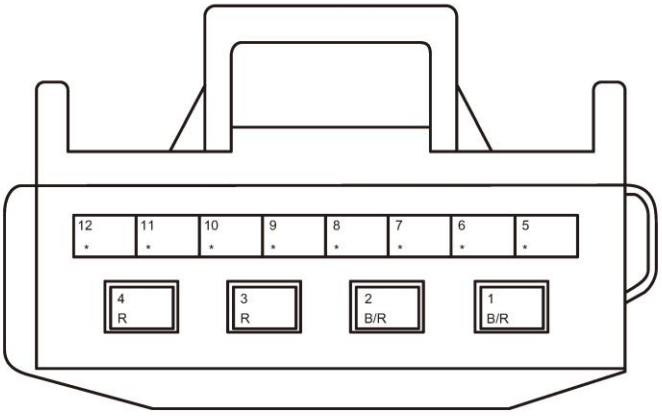
Z2-13
Passenger seat control unit (PSCU)-C



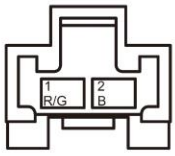
Z2-14
Seat climate controller-A



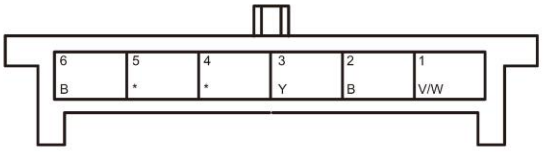
Z2-15
Seat climate controller-B



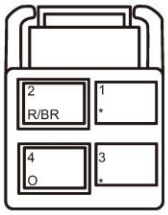
K2-01
Front passenger seat backrest heater



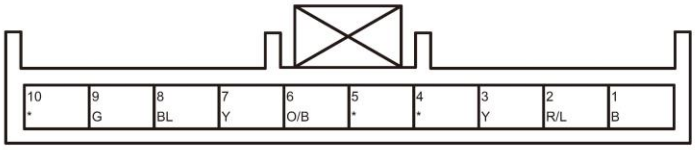
K2-02
Front passenger seat backrest ventilation motor



K2-03
Driver seat backrest adjustment motor

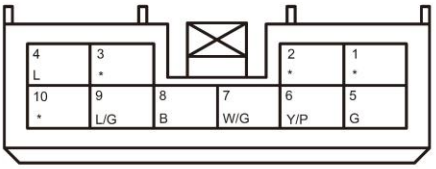


K2-04
Front passenger seat lumbar support adjustment motor

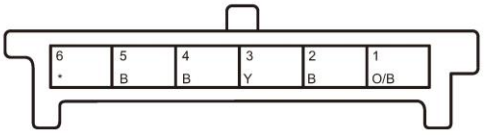


(For 6-seater vehicles)

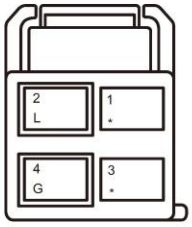
Z3-01
Left rear seat adjustment switch



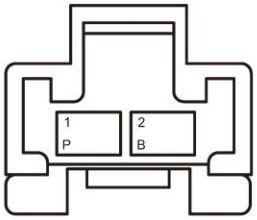
Z3-02
Left rear seat cushion ventilator motor



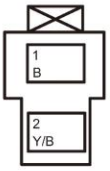
Z3-04
Left rear seat forward/back adjustment motor



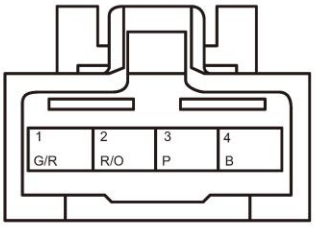
Z3-05
2nd row left seat backrest heater



Z3-06
Left rear seat belt buckle

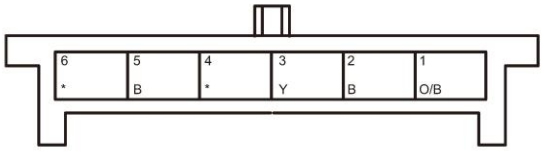


Z3-07
2nd row left seat heater

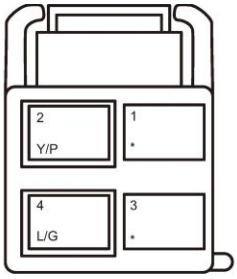


(For 6-seater vehicles)

K3-01
Left rear seat backrest ventilator motor

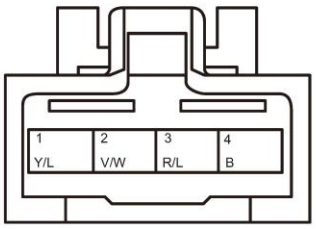


K3-02
Left seat backrest forward/backward adjustment motor

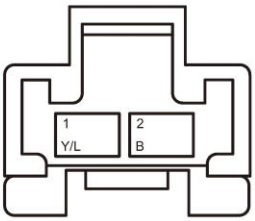


(For 6-seater vehicles)

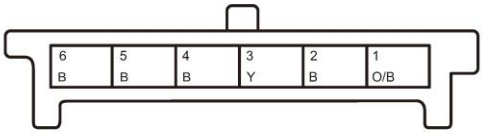
Z4-01
2nd row right seat heater



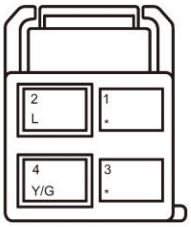
Z4-02
2nd row right seat backrest heater



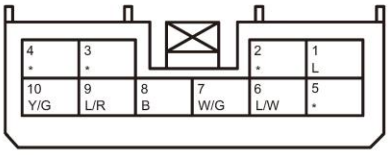
Z4-03
Right rear seat cushion ventilator motor



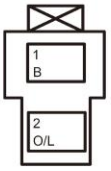
Z4-04
Right rear seat forward/back adjustment motor



Z4-05
Right rear seat adjustment switch

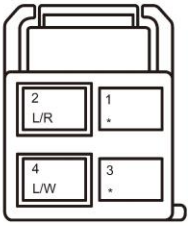


Z4-06
Right rear seat belt buckle

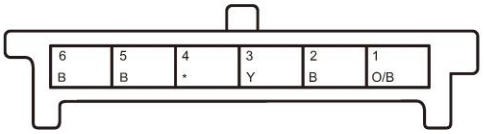


(For 6-seater vehicles)

K4-01
Right rear seat backrest forward/backward adjustment motor

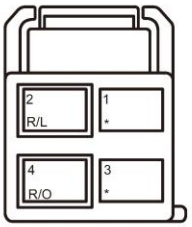


K4-02
Right rear seat backrest ventilator motor

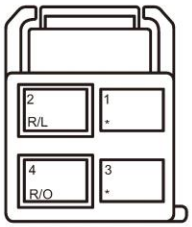


(For 6-seater vehicles)

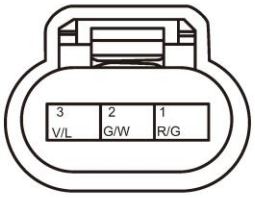
K5-01
3rd row left seat folding/releasing motor



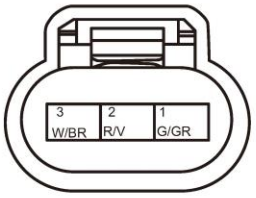
K6-01
3rd row right seat folding/releasing motor



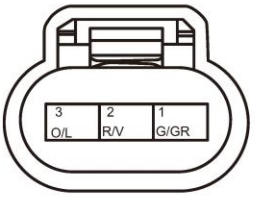
FF-01
Left front radar sensor



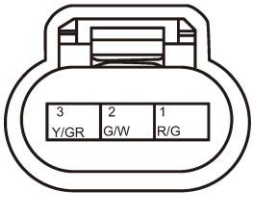
FF-02
Left front middle radar sensor



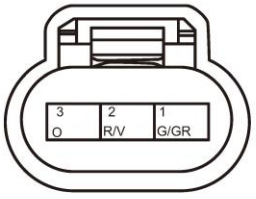
FF-03
Left front corner radar sensor



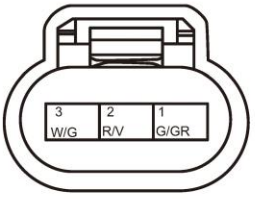
FF-04
Right front radar sensor



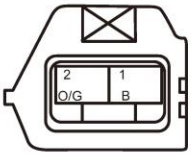
FF-05
Right front middle radar sensor



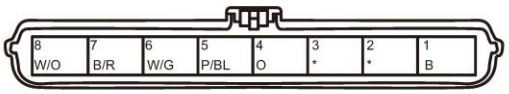
FF-06
Right front corner radar sensor



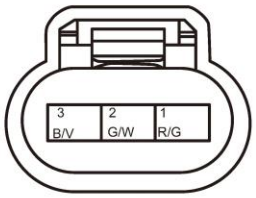
FF-07
Exterior temperature sensor



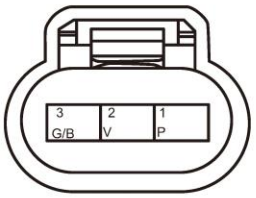
FF-10
Forward millimeter wave radar



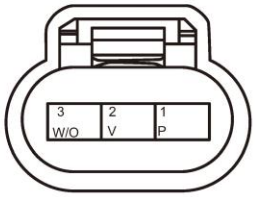
RR-01
Left rear radar sensor



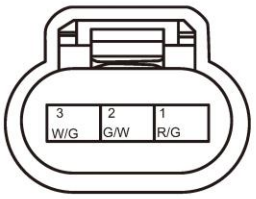
RR-02
Left rear middle radar sensor



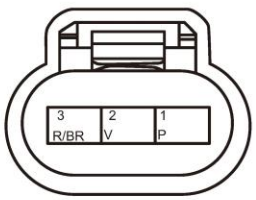
RR-03
Left rear corner radar sensor



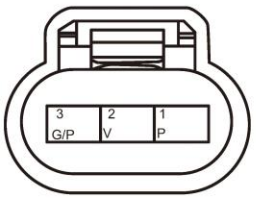
RR-04
Right rear radar sensor



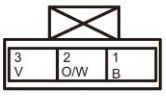
RR-05
Right rear middle radar sensor



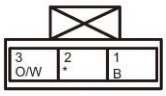
RR-06
Right rear corner radar sensor



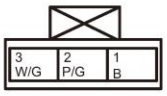
RR-07
Left rear combination lamp C (premium)



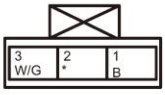
RR-08
Left rear combination lamp C (base)



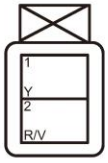
RR-09
Right rear combination lamp C (premium)



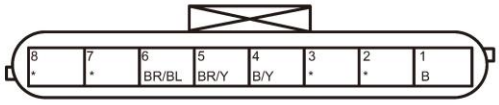
RR-10
Right rear combination lamp C (base)



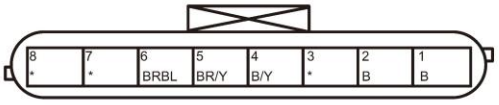
RR-11
Trunk outside antenna



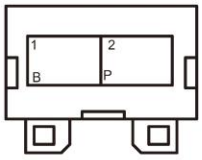
RR-13
Left rear millimeter wave radar



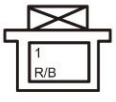
RR-14
Right rear millimeter wave radar



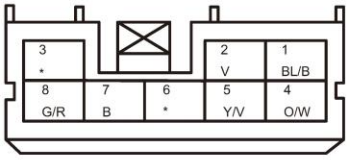
R-01
High mounted brake lamp



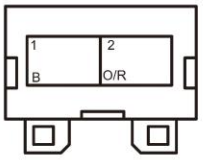
R-02
Rear windshield defroster power supply terminal+



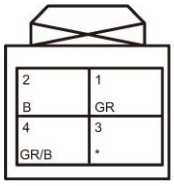
R-03
Left rear combination lamp-B



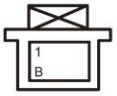
R2-01
Trunk outside release switch



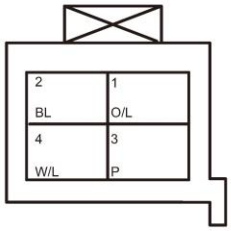
R2-02
Rear wiper



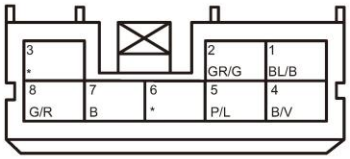
R2-03
Rear windshield defroster power supply terminal-



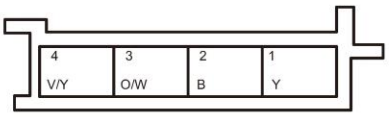
R2-04
PLG lock self-priming module



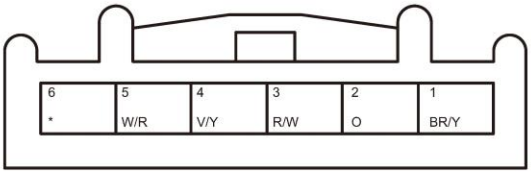
R2-05
Right rear combination lamp-B



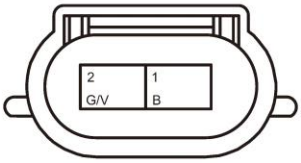
R2-06
Trunk closing switch



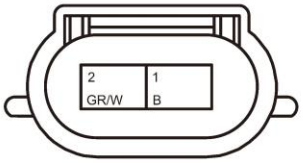
R2-07
Trunk lock



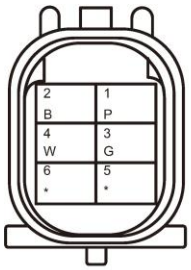
R3-01
Left license plate lamp



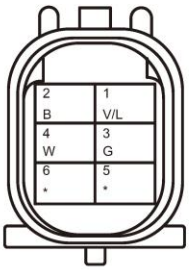
R3-02
Right license plate lamp



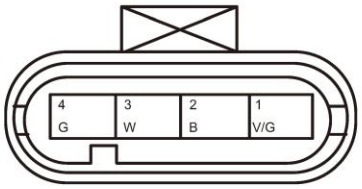
G-01
Left front combination lamp-A



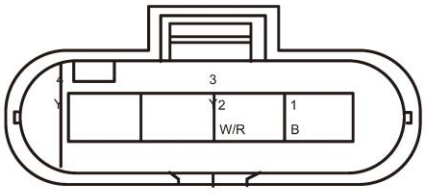
G-02
Right front combination lamp-A



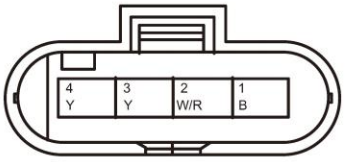
G-03
Front Hongqi logo lamp



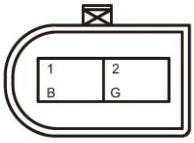
G-04
AGS control motor-A



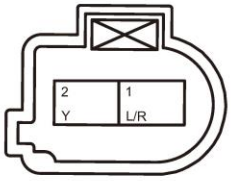
G-05
AGS control motor-B



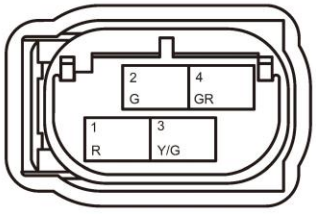
W1-01
Left front brake shoe alarm switch



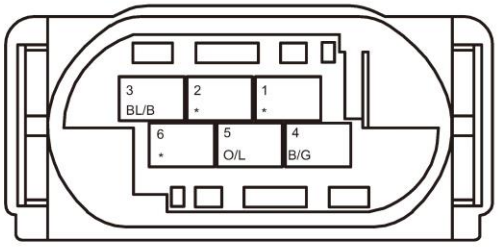
W2-01
Left rear brake caliper



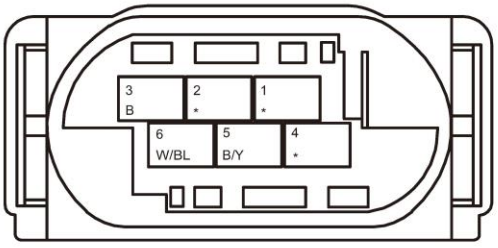
W2-02
Left rear wheel speed sensor



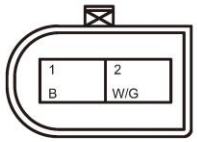
W2-03
Left rear body height sensor



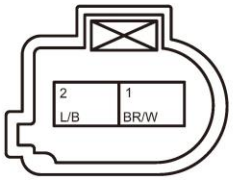
W2-04
Rear height sensor



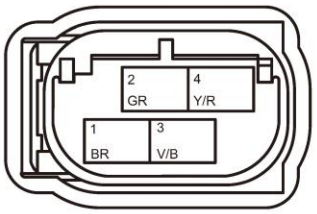
W3-01
Right rear brake shoe alarm switch



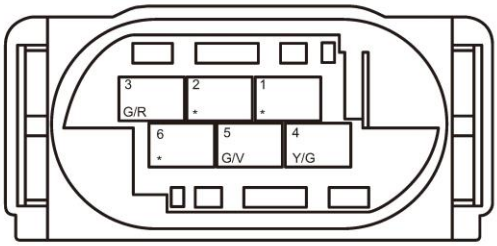
W3-02
Right rear brake caliper



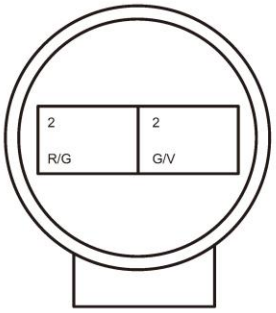
W3-03
Right rear wheel speed sensor



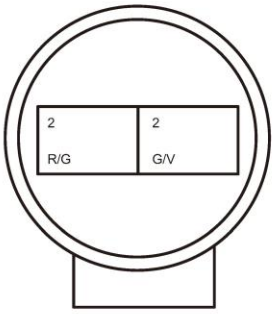
W3-04
Right rear body height sensor



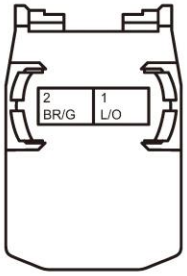
W4-01
Continuous damping control vibration damper



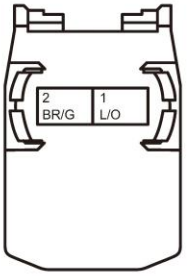
W5-01
Continuous damping control vibration damper



S1-01
Driver's seat airbag

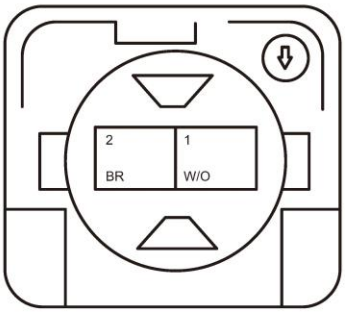


S1-01
Front passenger seat airbag

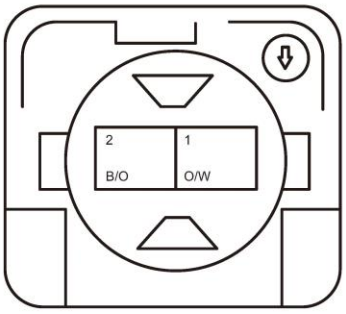


(For 6-seater vehicles)

S3-01
Left rear seat airbag



S4-01
Right rear seat airbag



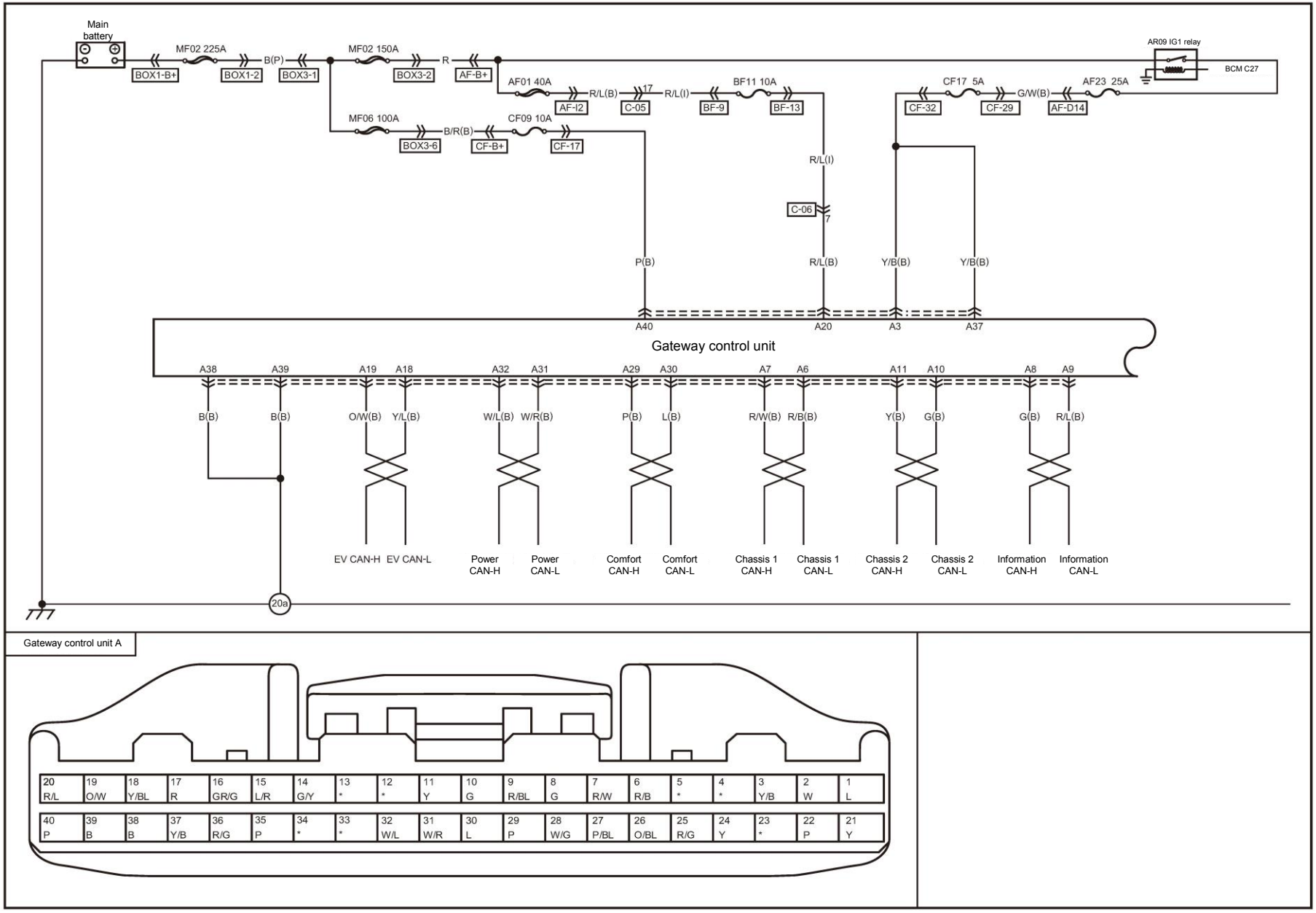
Hongqi E-HS9
Wiring diagram
System diagram

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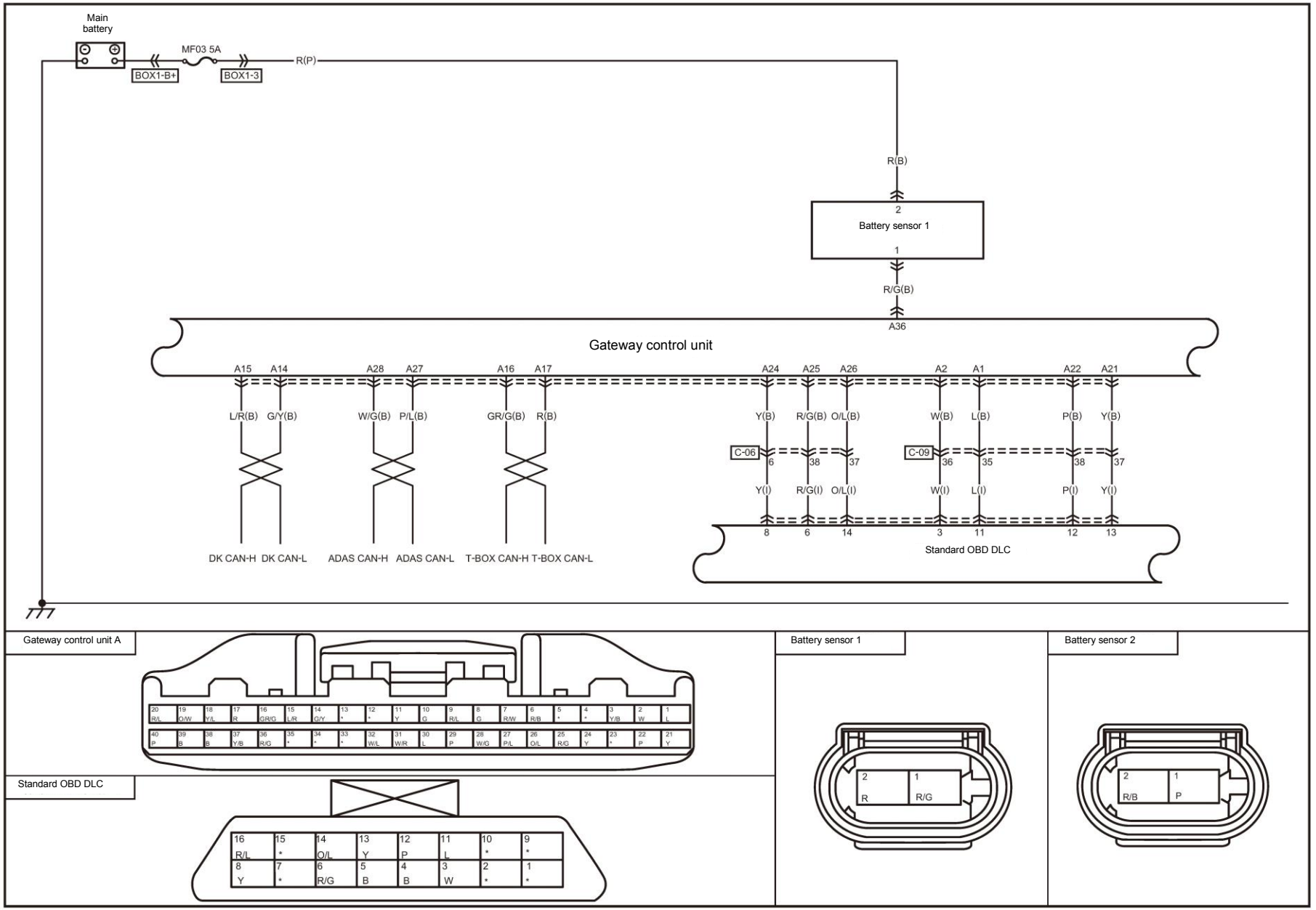
Gateway

VC-GW-1a



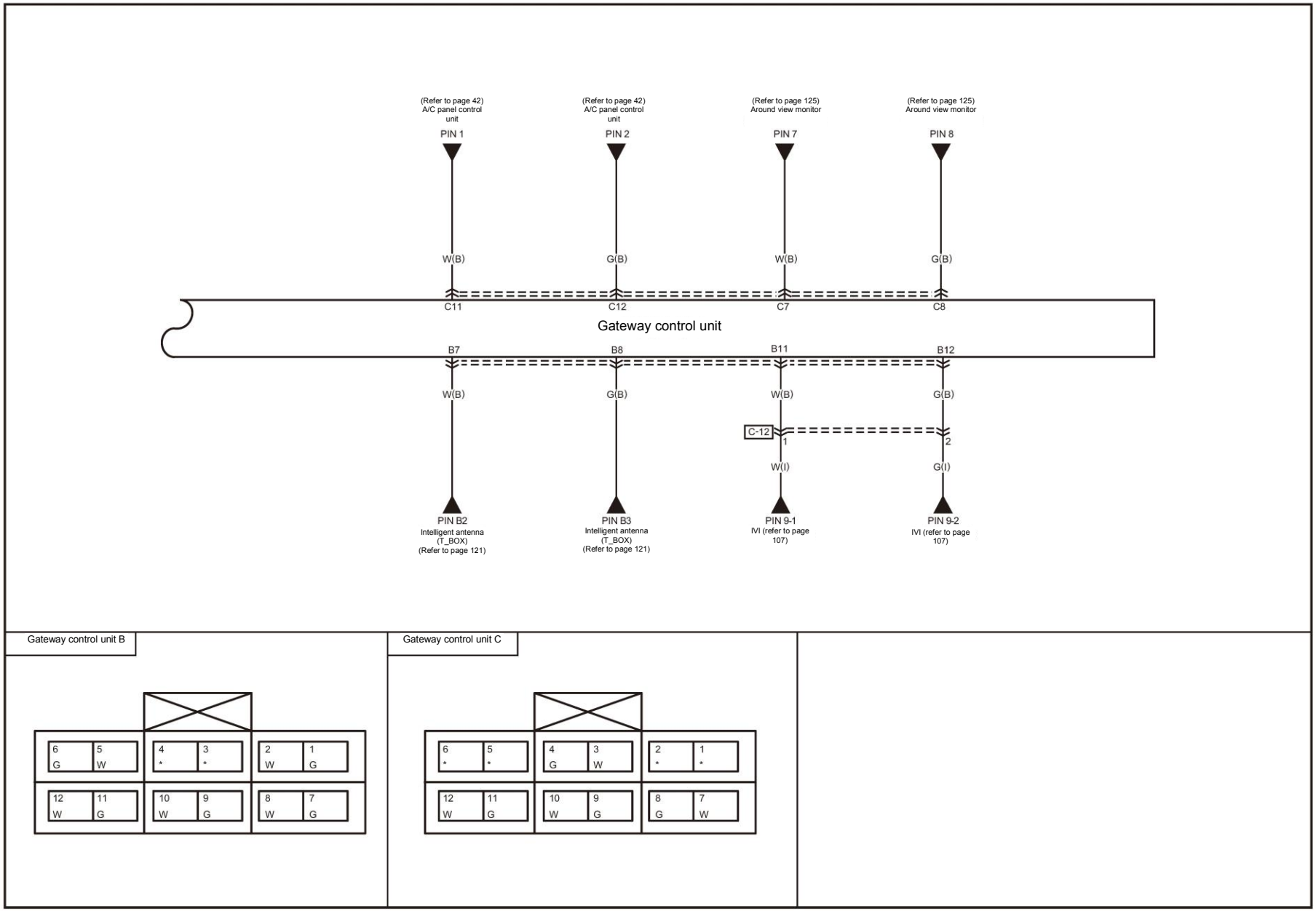
Gateway

VC-GW-1b



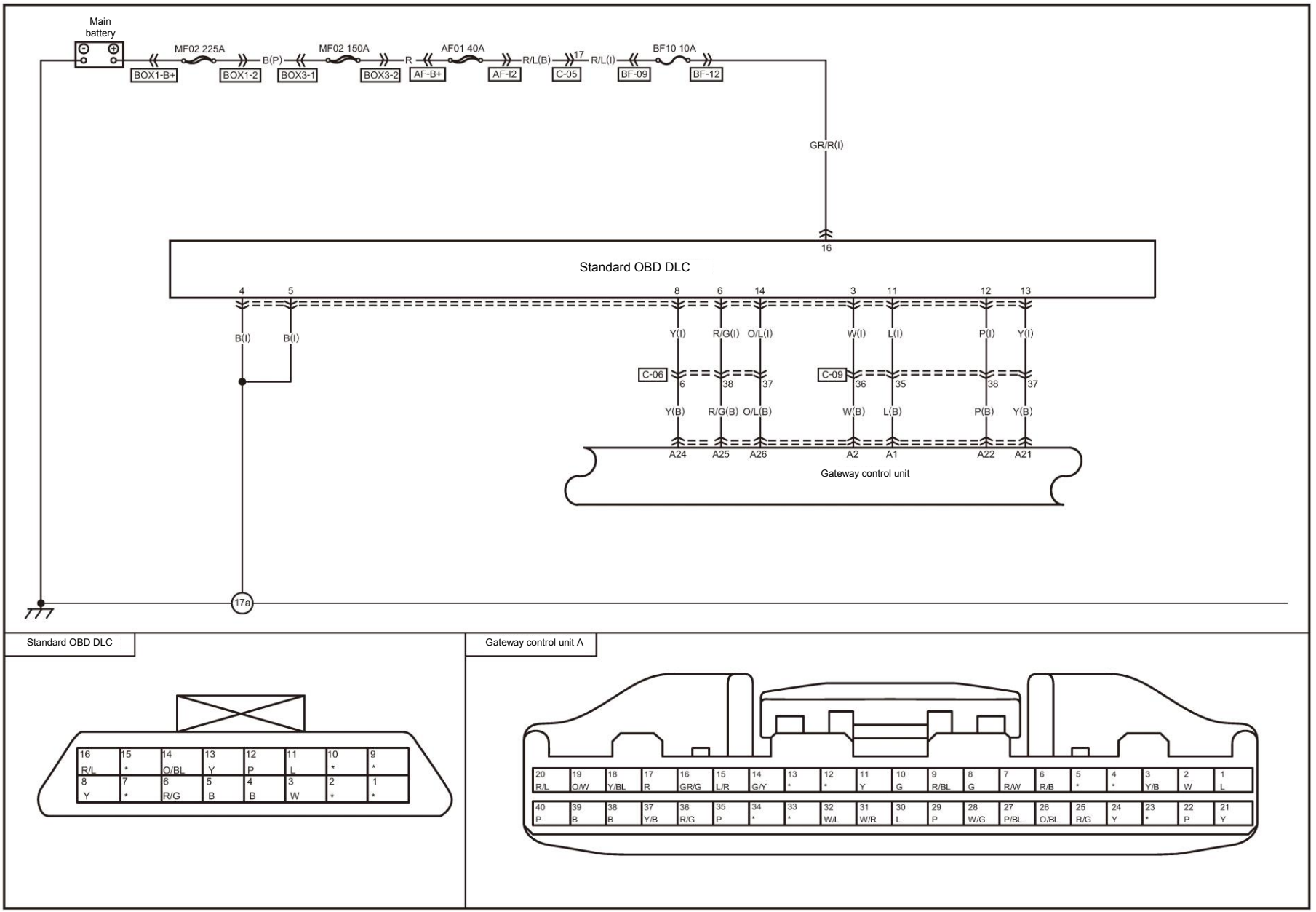
Gateway

VC-GW-1c



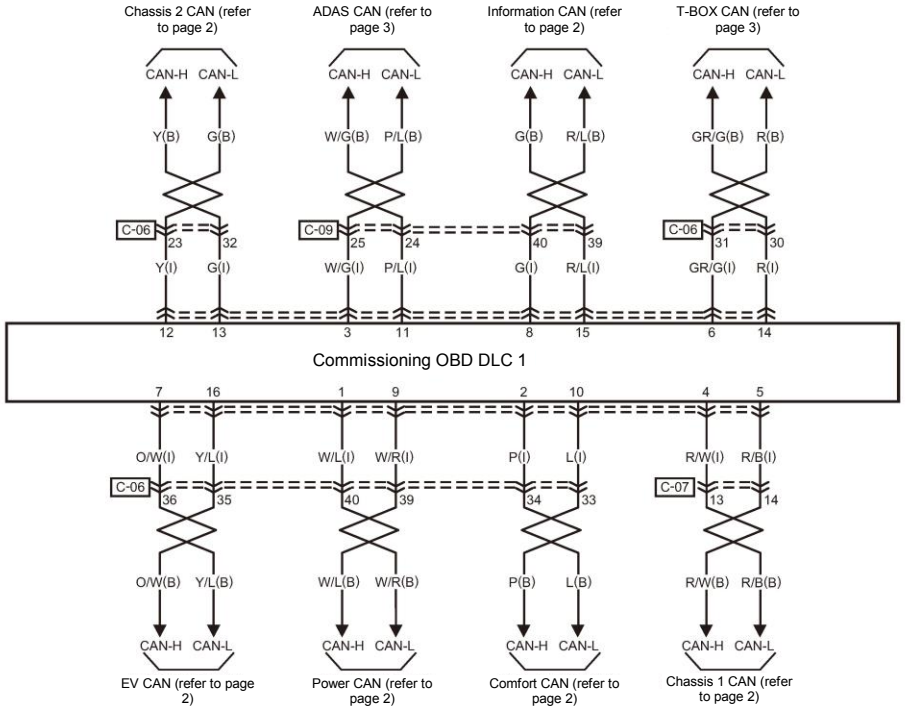
DLC

VC-GW-2

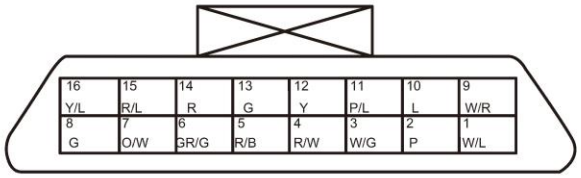

Main battery
MF02 225A
B(P)
MF02 150A
R
AF01 40A
R/L(B)
17
R/L(I)
BF10 10A
BOX1-B+
BOX1-2
BOX3-1
BOX3-2
AF-B+
AF-I2
C-05
BF-09
BF-12
GR/R(I)
16
Standard OBD DLC
4
5
8
6
14
3
11
12
13
B(I)
B(I)
Y(I)
R/G(I)
O/L(I)
W(I)
L(I)
P(I)
Y(I)
C-06
6
38
37
C-09
36
35
38
37
Y(B)
R/G(B)
O/L(B)
W(B)
L(B)
P(B)
Y(B)
A24
A25
A26
A2
A1
A22
A21
Gateway control unit
17a
Standard OBD DLC
16 R/L
15 *
14 O/BL
13 Y
12 P
11 L
10 *
9 *
8 Y
7 *
6 R/G
5 B
4 B
3 W
2 *
1 *
Gateway control unit A
20 R/L
19 O/W
18 Y/BL
17 R
16 GR/G
15 L/R
14 G/Y
13 *
12 *
11 Y
10 G
9 R/BL
8 G
7 R/W
6 R/B
5 *
4 *
3 Y/B
2 W
1 L
40 P
39 B
38 B
37 Y/B
36 R/G
35 P
34 *
33 *
32 W/L
31 W/R
30 L
29 P
28 W/G
27 P/BL
26 O/BL
25 R/G
24 Y
23 *
22 P
21 Y

DLC

VC-GW-3a

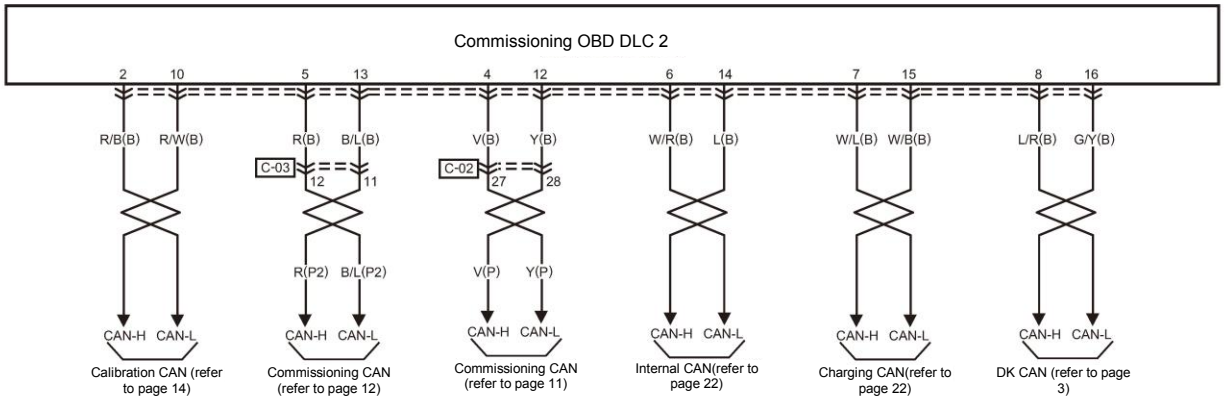


Commissioning OBD DLC 1

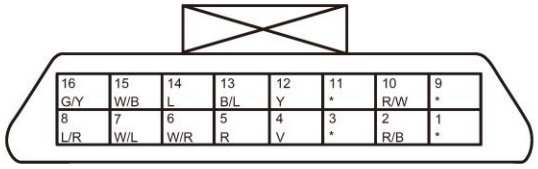


DLC

VC-GW-3b



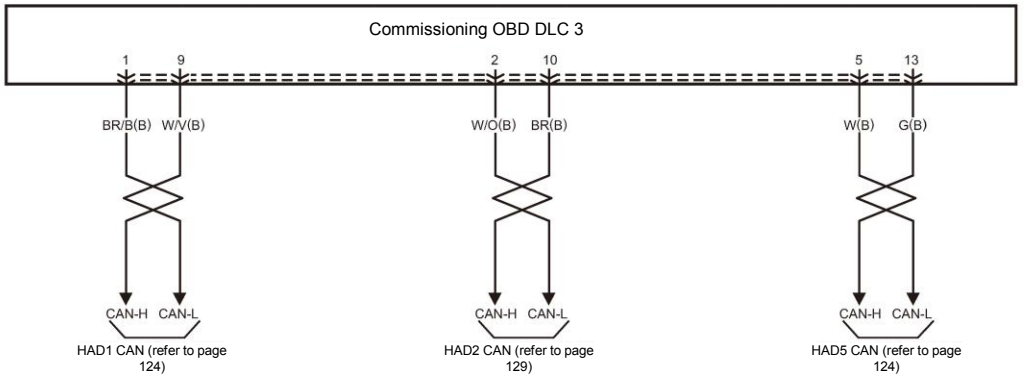
Commissioning OBD DLC 2



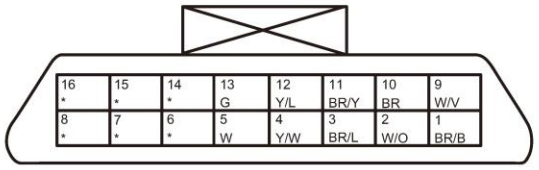
16 G/Y	15 W/B	14 L	13 B/L	12 Y	11 *	10 R/W	9 *
8 L/R	7 W/L	6 W/R	5 R	4 V	3 *	2 R/B	1 *

DLC

VC-GW-3c

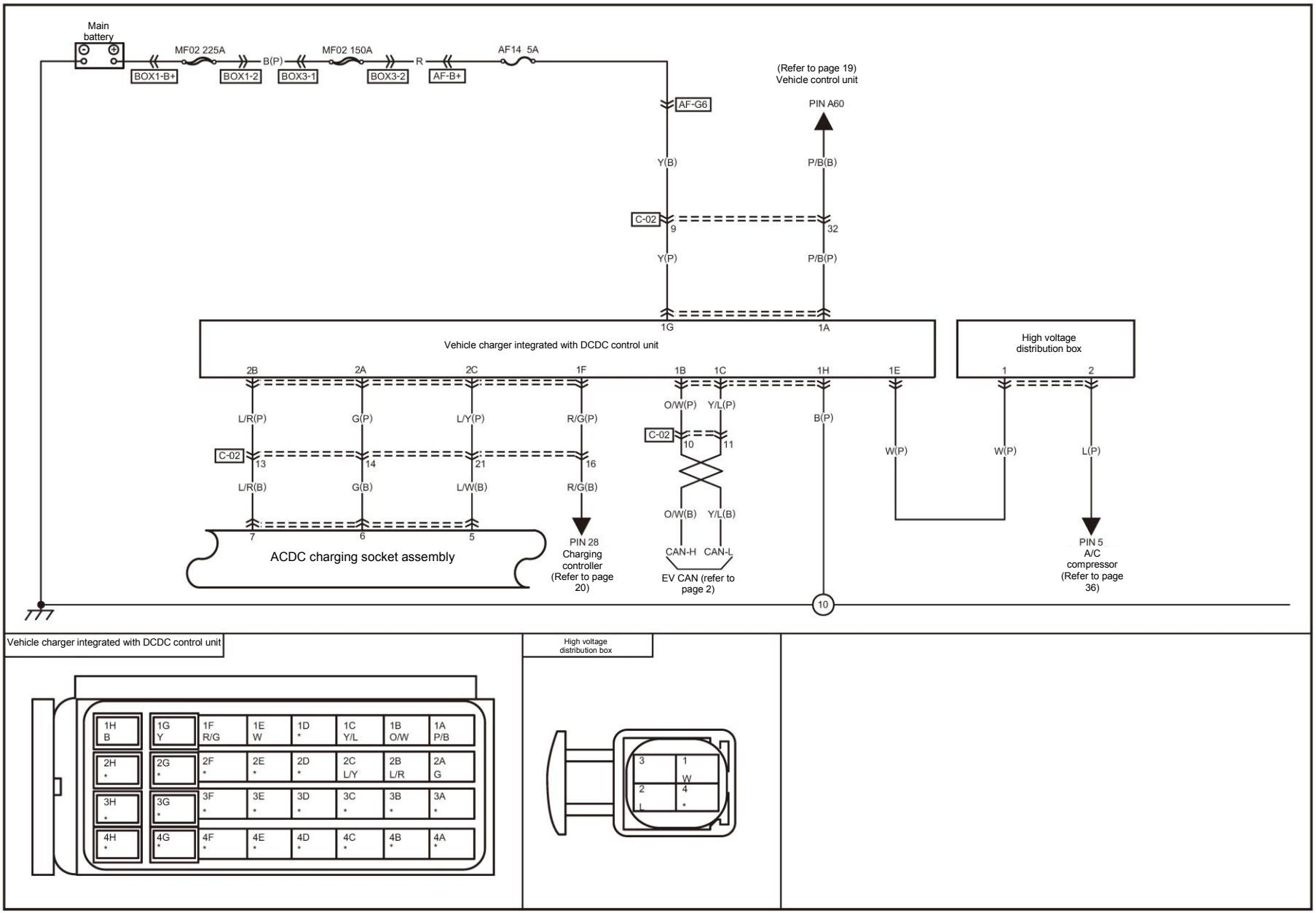


Commissioning OBD DLC 3



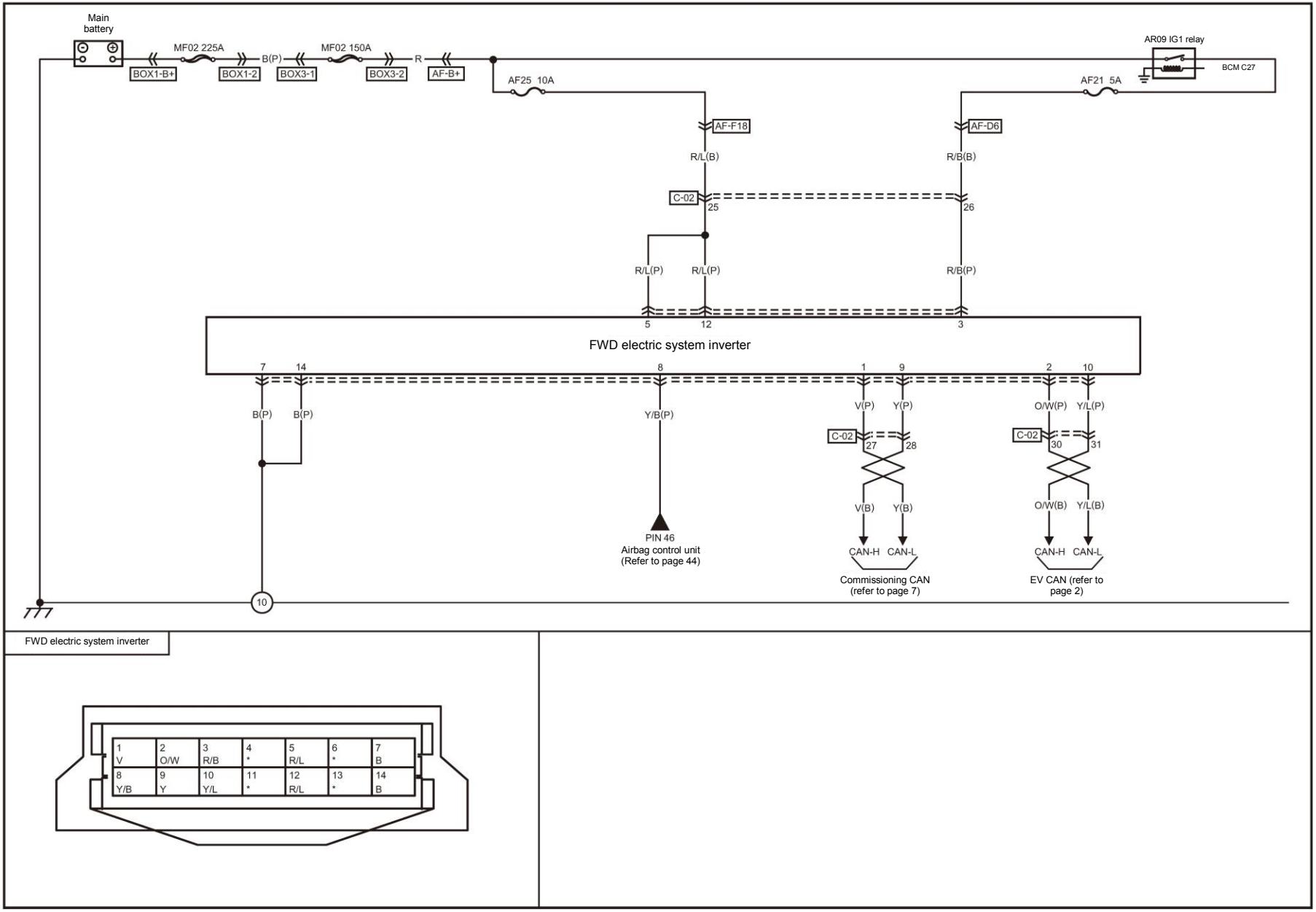
Vehicle charger integrated with DCDC control unit

EV-CH-1



FWD electric system inverter

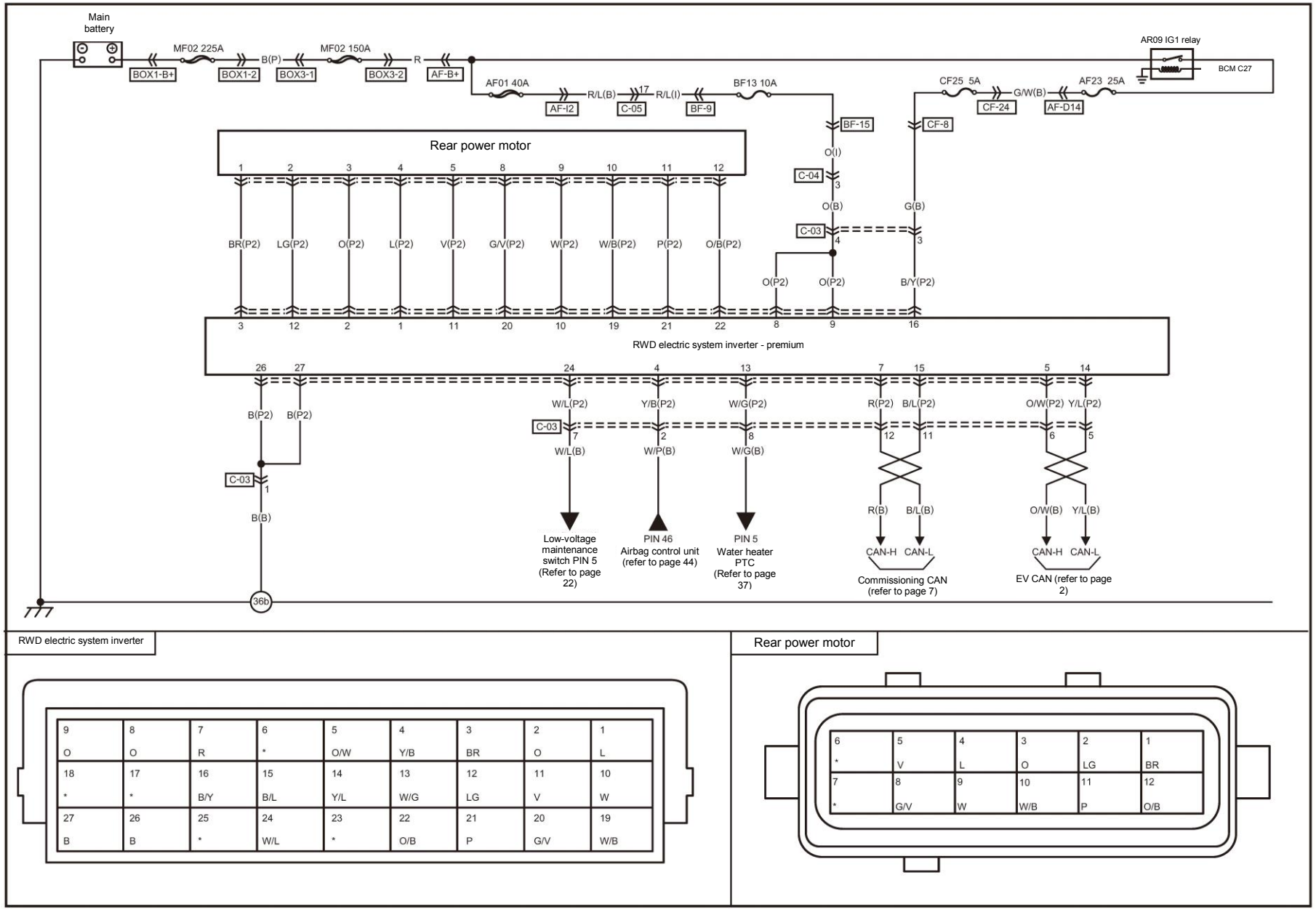
EV-MC-1



FWD electric system inverter

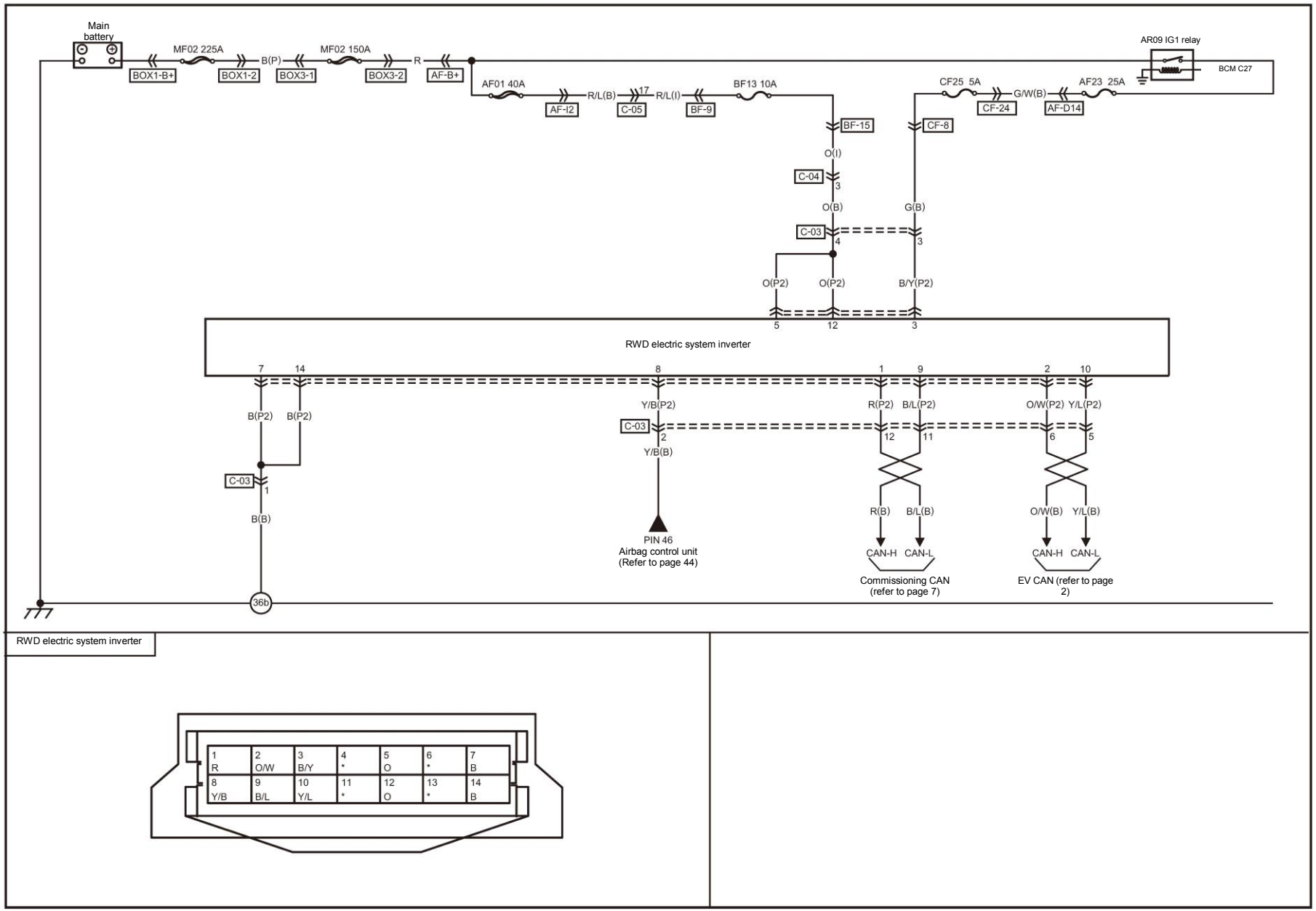
RWD electric system inverter - premium

EV-MC-2



RWD electric system inverter

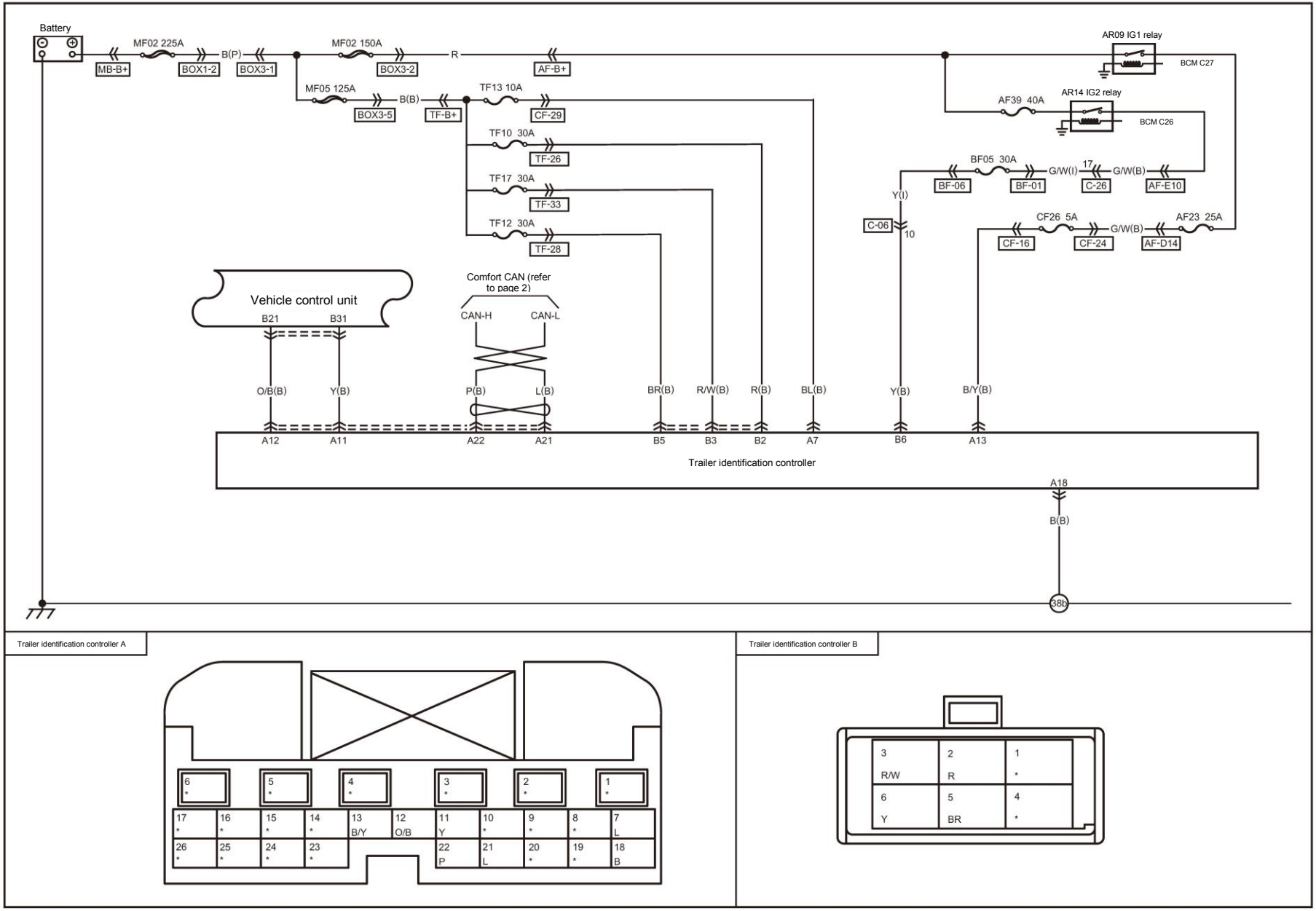
EV-MC-3



RWD electric system inverter

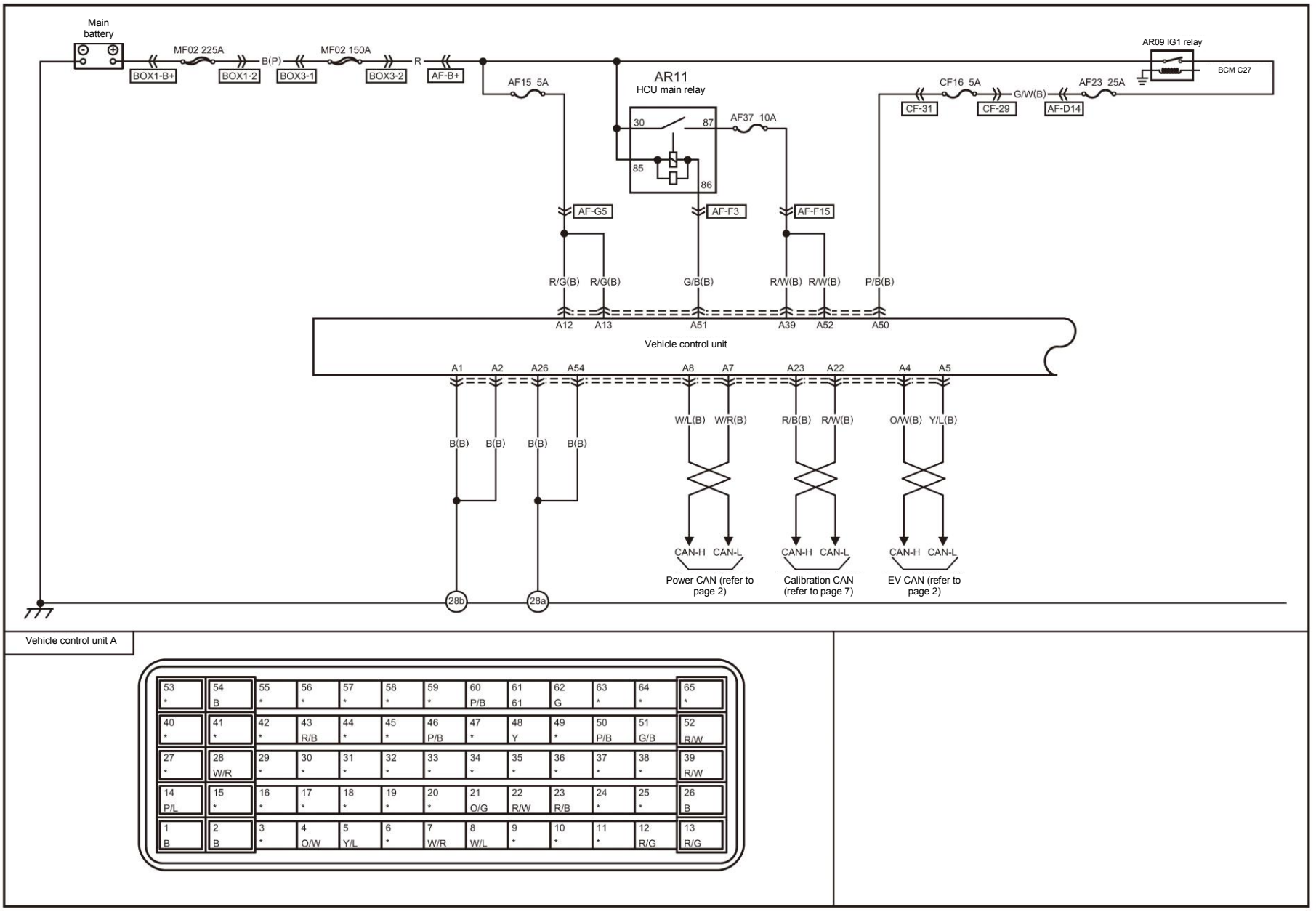
Trailer identification controller

EV-MC-3



Vehicle controller

EV-HC-1a

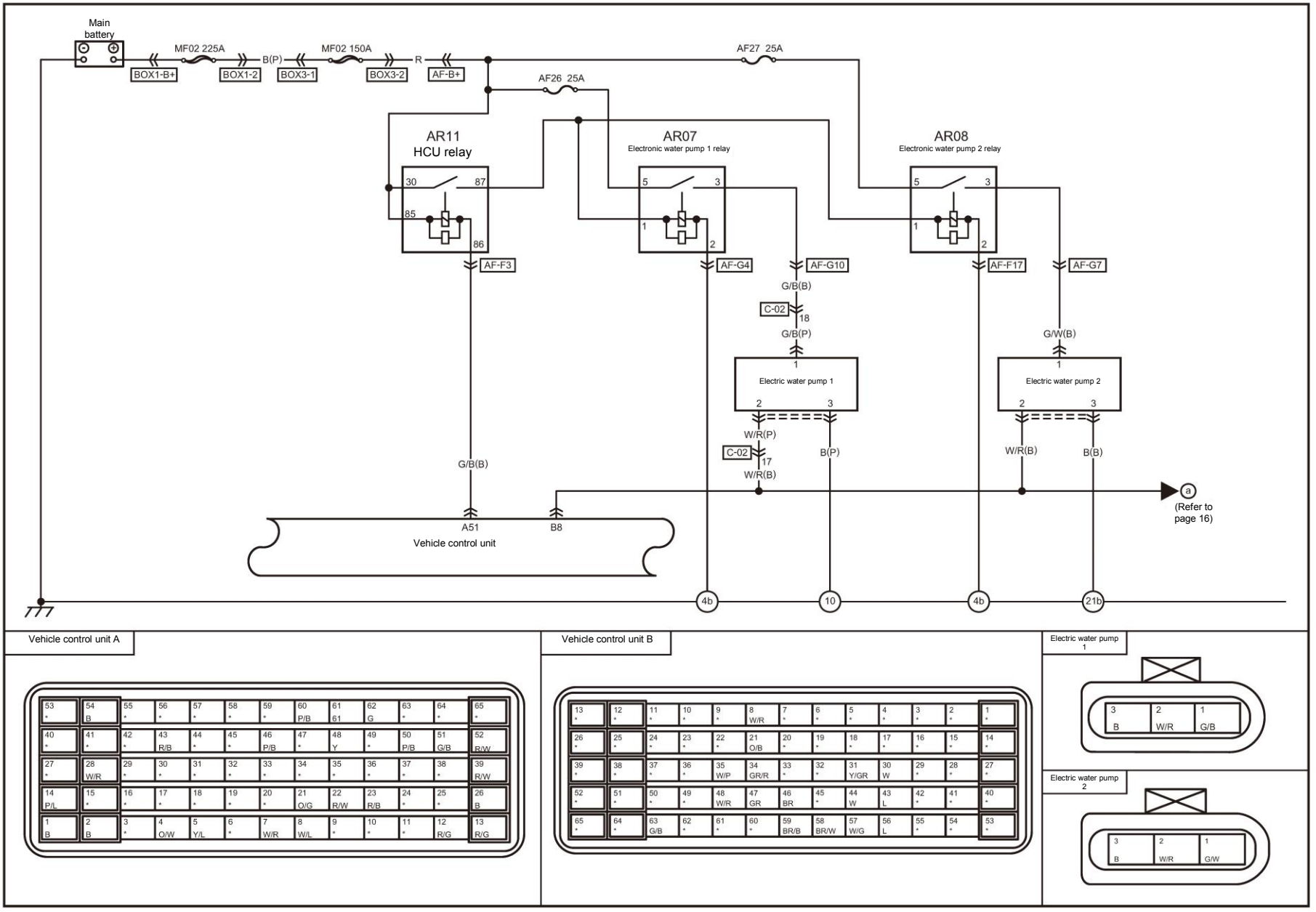


Vehicle control unit A

53 *	54 B	55 *	56 *	57 *	58 *	59 *	60 P/B	61 61	62 G	63 *	64 *	65 *
40 *	41 *	42 *	43 R/B	44 *	45 *	46 P/B	47 *	48 Y	49 *	50 P/B	51 G/B	52 R/W
27 *	28 W/R	29 *	30 *	31 *	32 *	33 *	34 *	35 *	36 *	37 *	38 *	39 R/W
14 P/L	15 *	16 *	17 *	18 *	19 *	20 *	21 O/G	22 R/W	23 R/B	24 *	25 *	26 B
1 B	2 B	3 *	4 O/W	5 Y/L	6 *	7 W/R	8 W/L	9 *	10 *	11 *	12 R/G	13 R/G

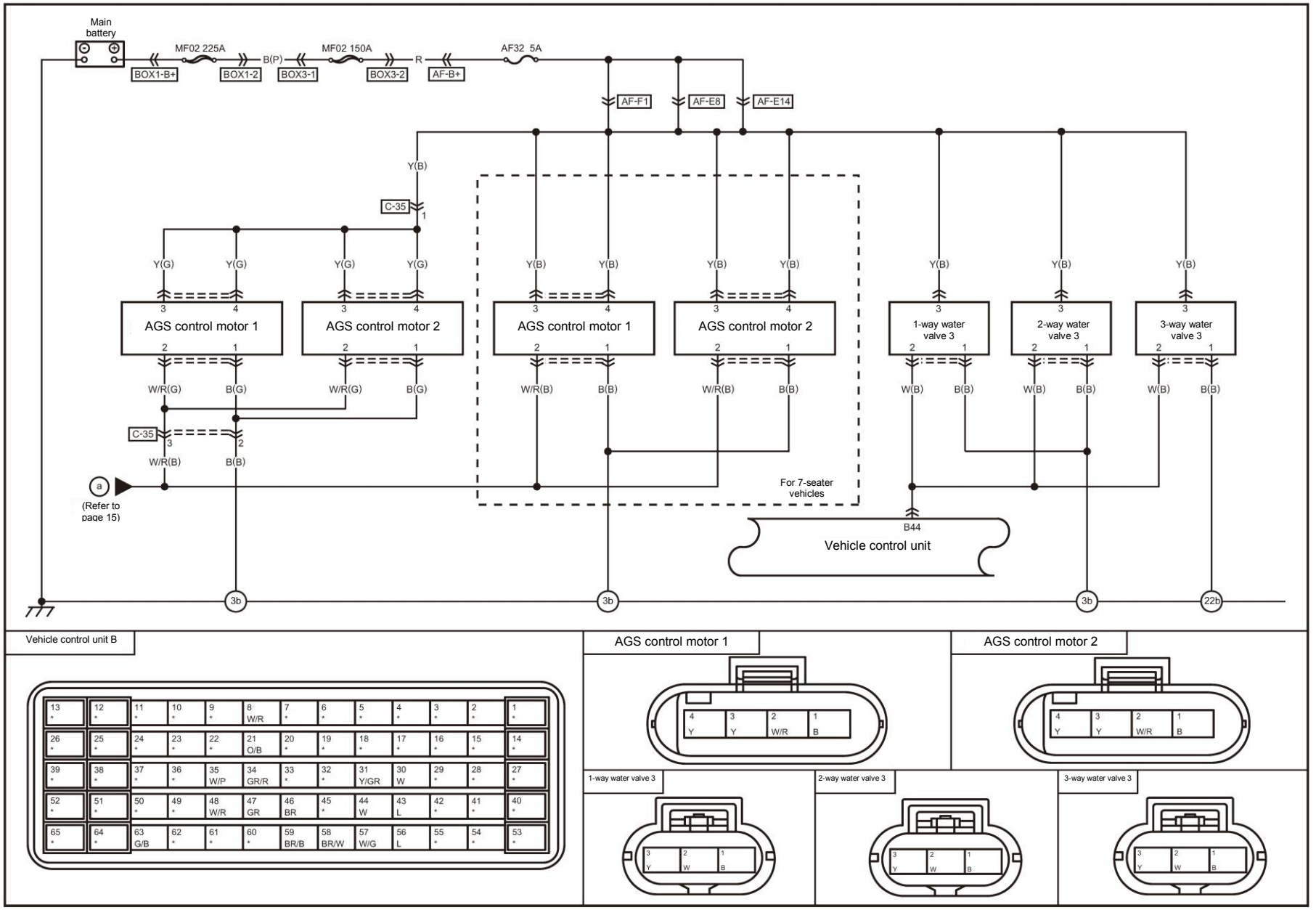
Vehicle controller

EV-HC-1b



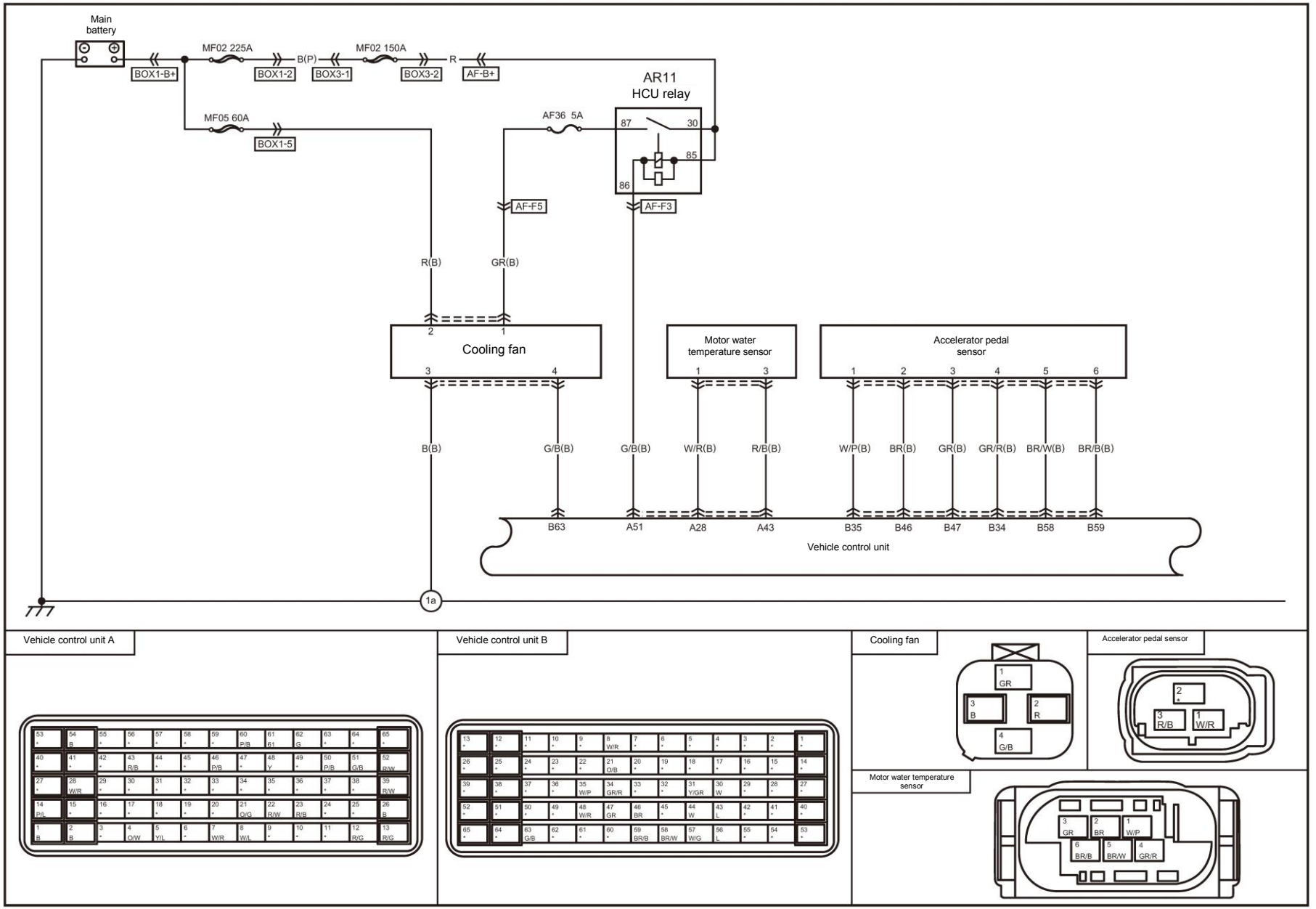
Vehicle controller

EV-HC-1c



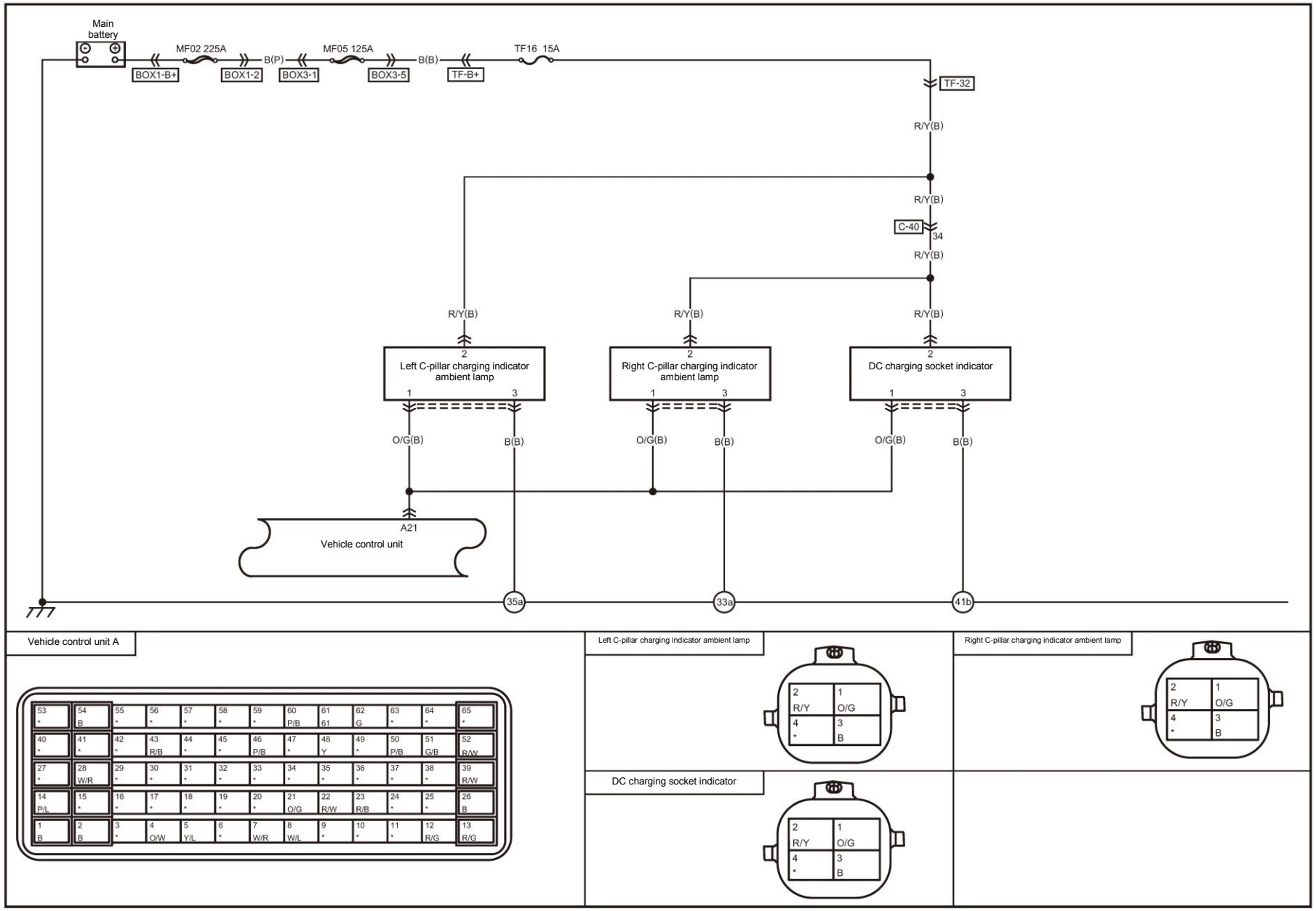
Vehicle controller

EV-HC-1d



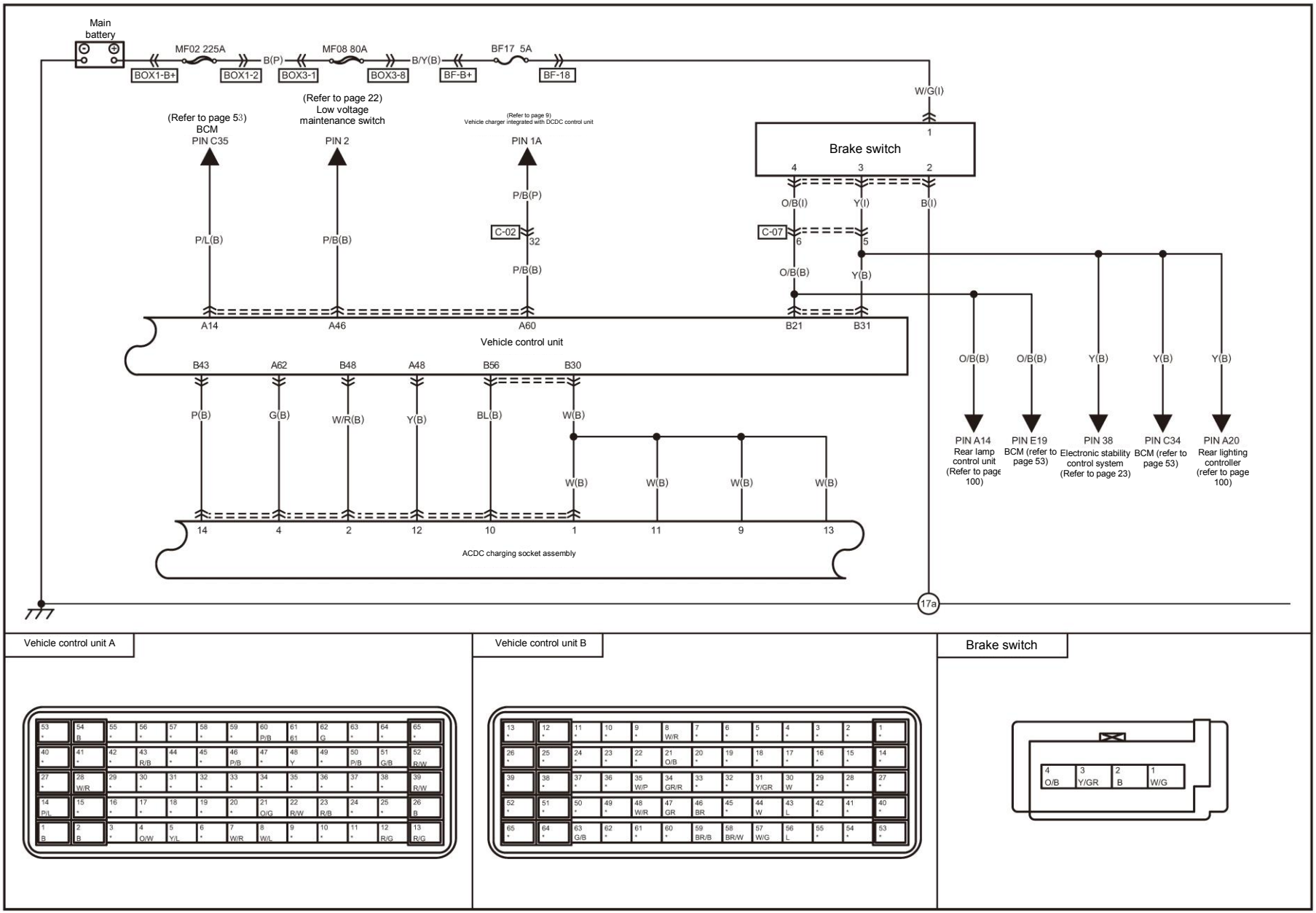
Vehicle controller

EV-HC-1e



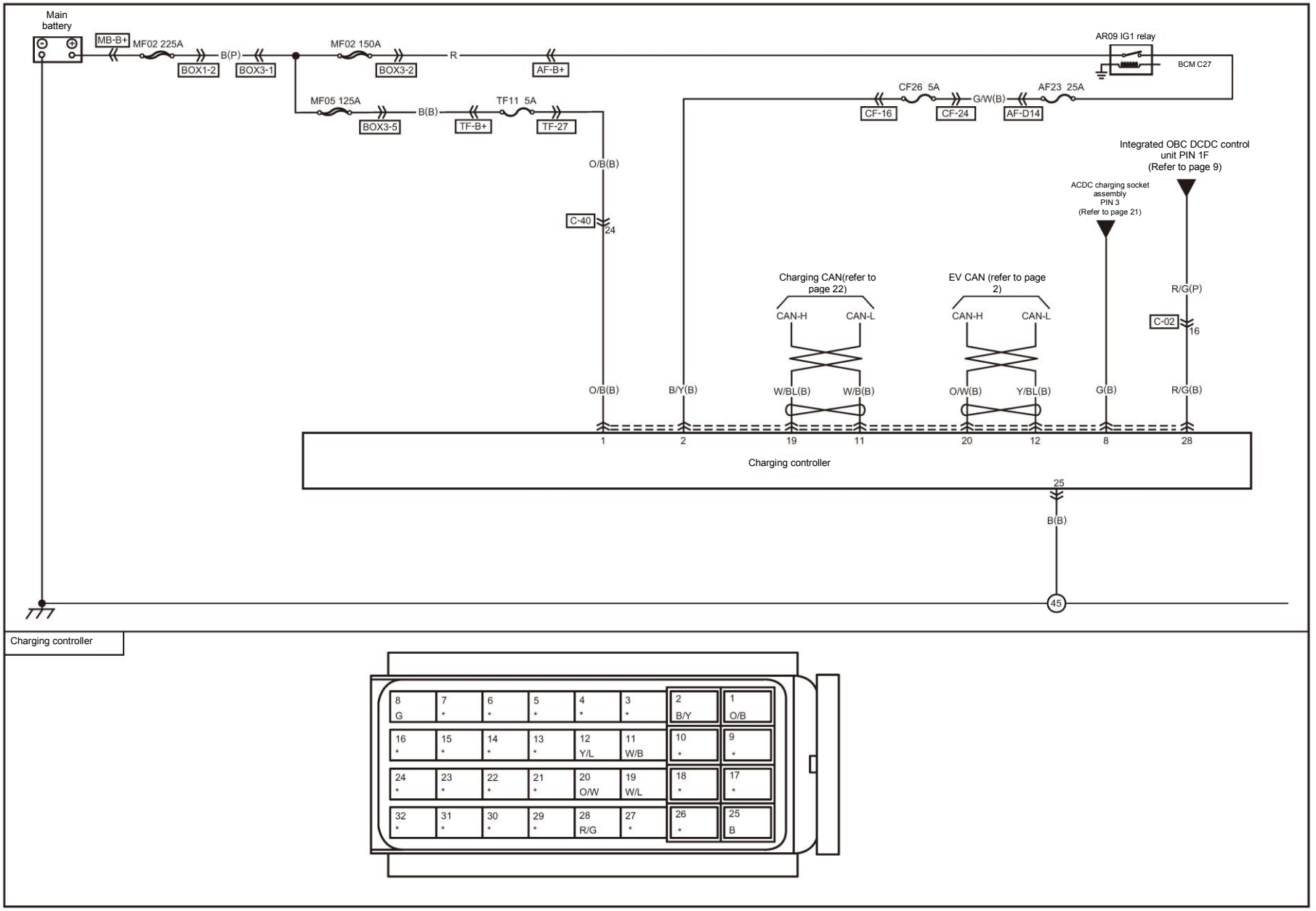
Vehicle controller

EV-HC-1f



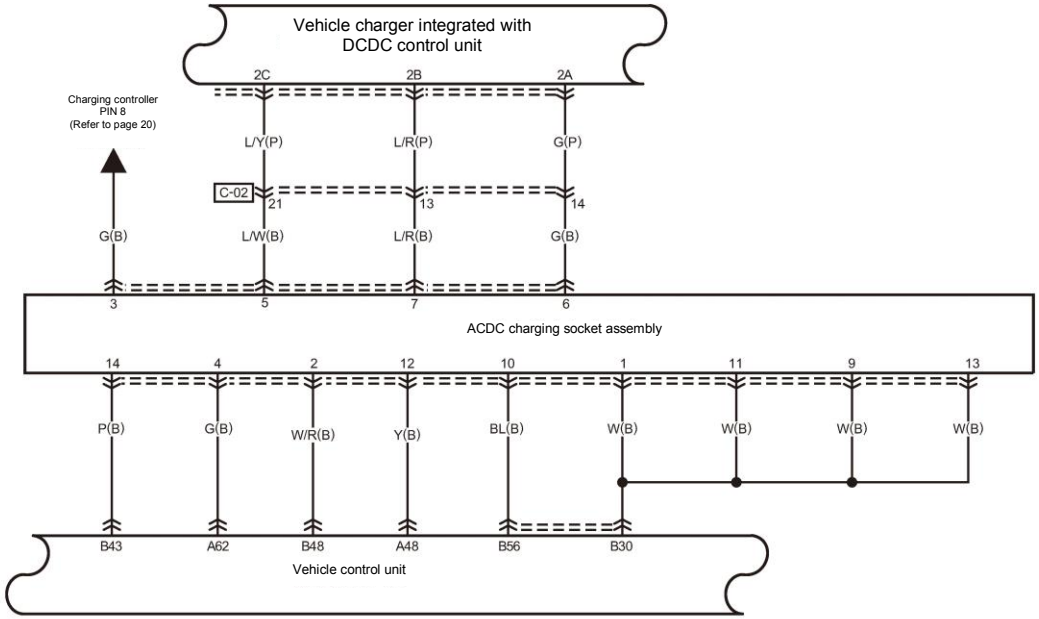
Charging controller

EV-HC-2

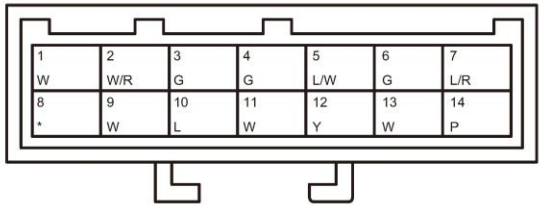


ACDC charging socket assembly

EV-HC-2



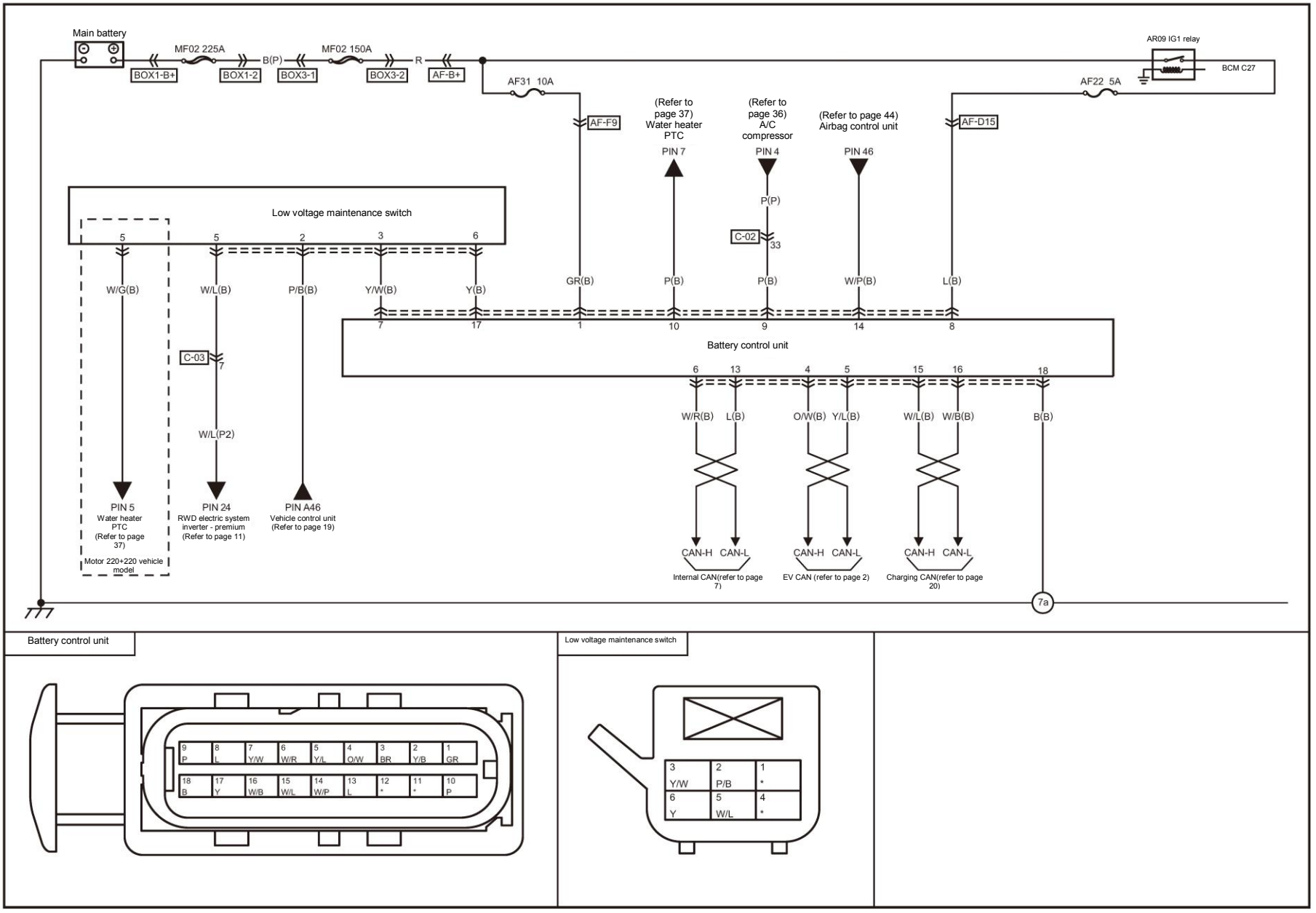
ACDC charging socket assembly



1 W	2 W/R	3 G	4 G	5 L/W	6 G	7 L/R
8 *	9 W	10 L	11 W	12 Y	13 W	14 P

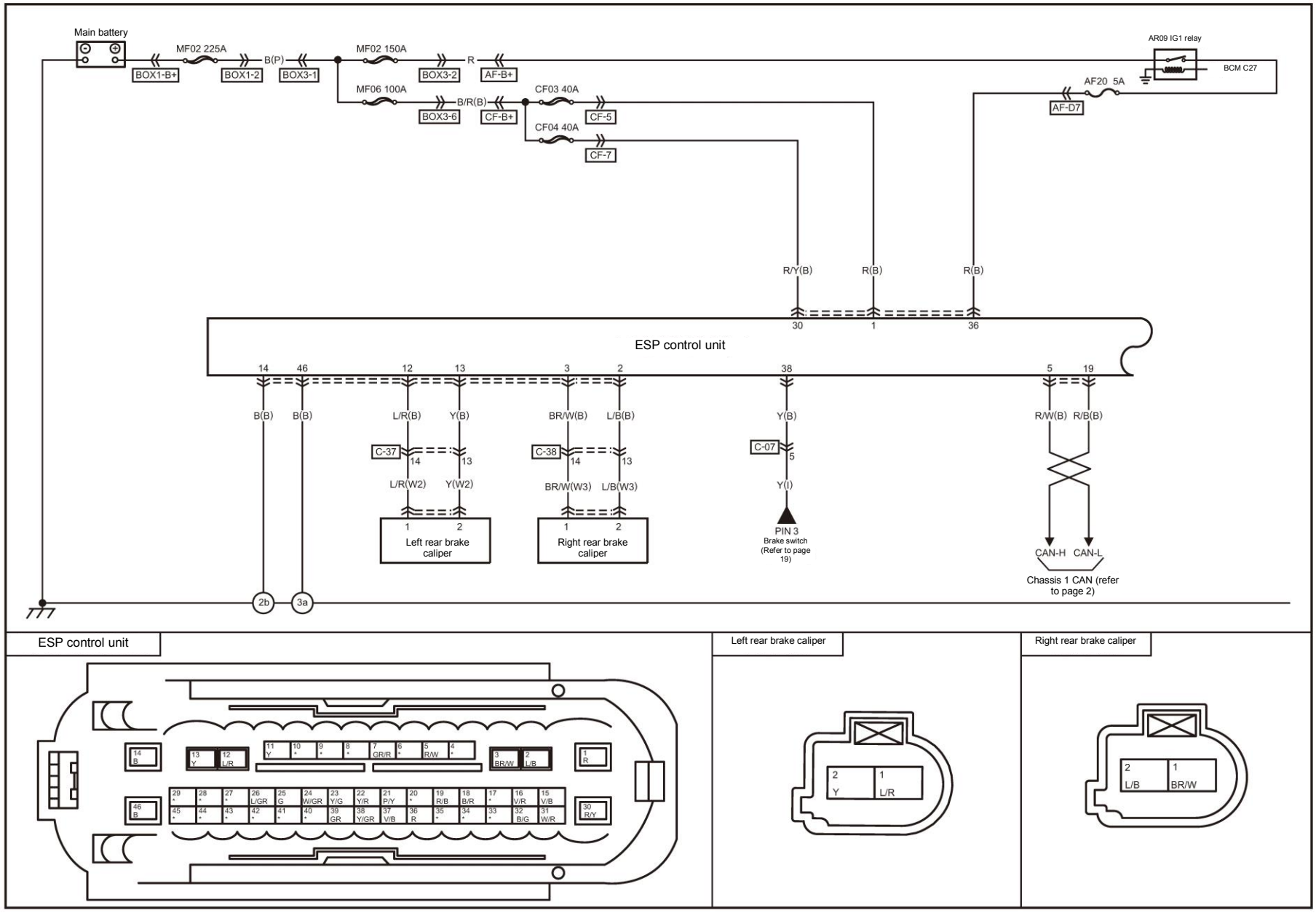
Battery control unit

EV-HC-2



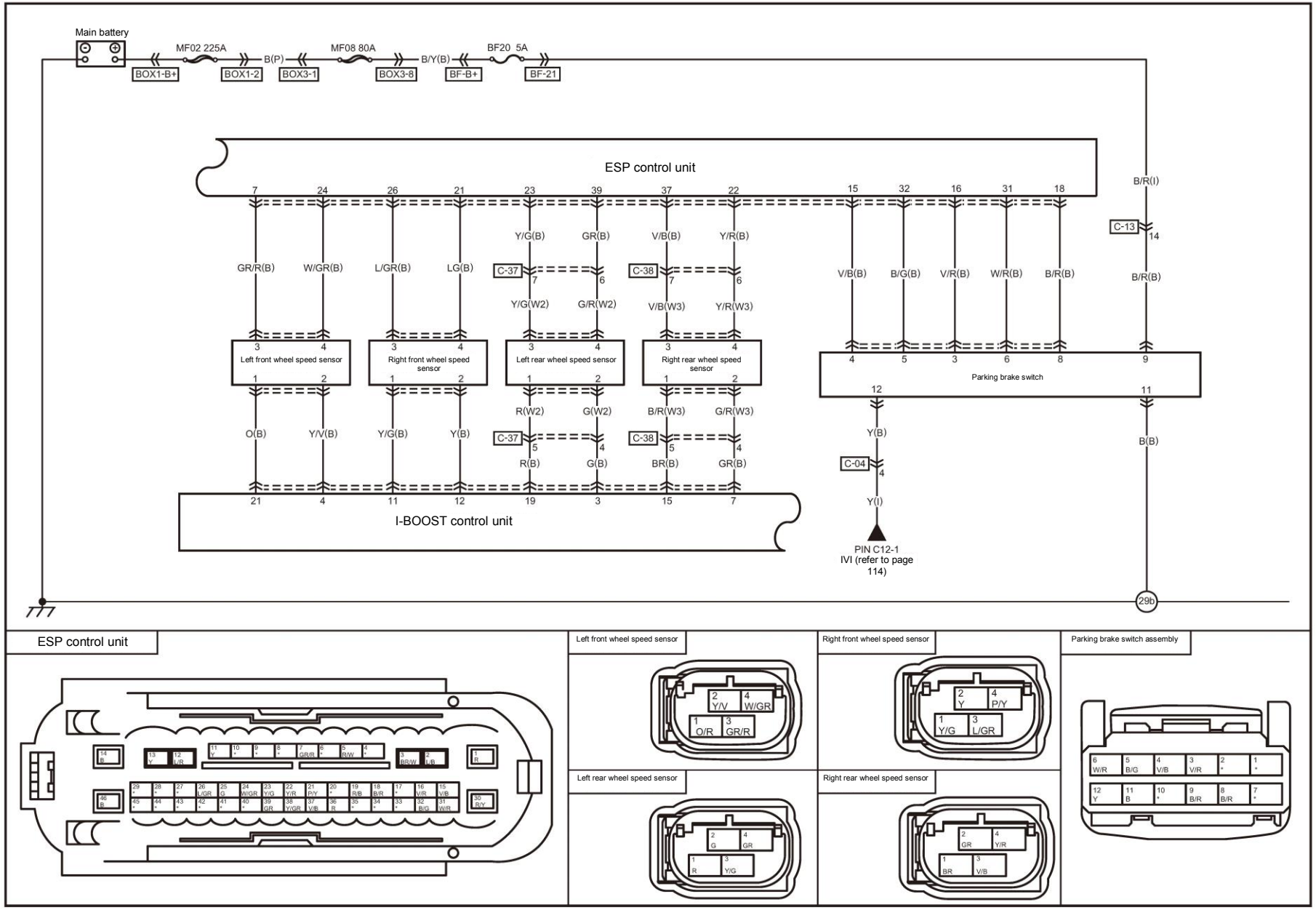
Electronic stability program (ESP)

BR-CS-1a



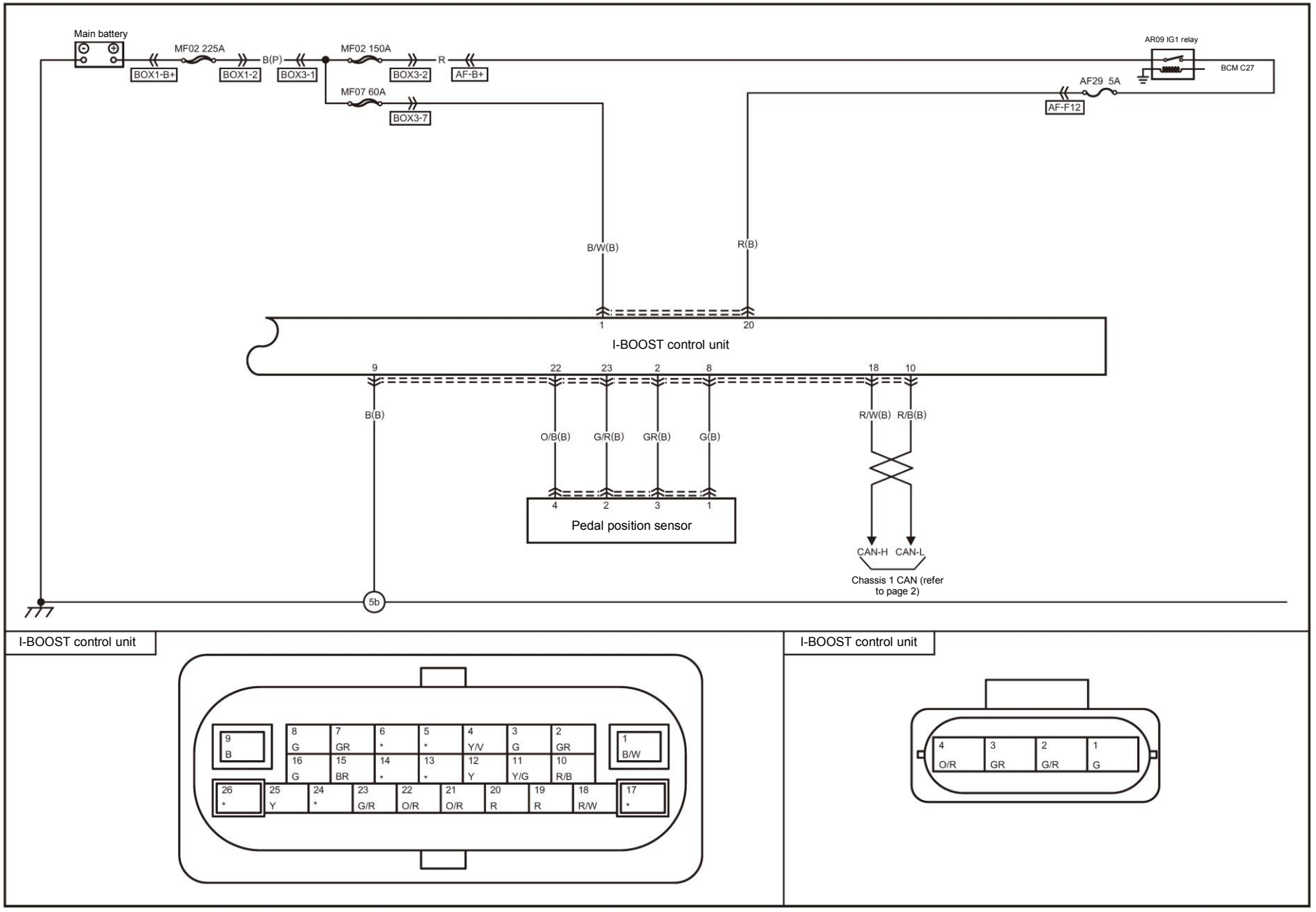
Electronic stability program (ESP)

BR-CS-1b



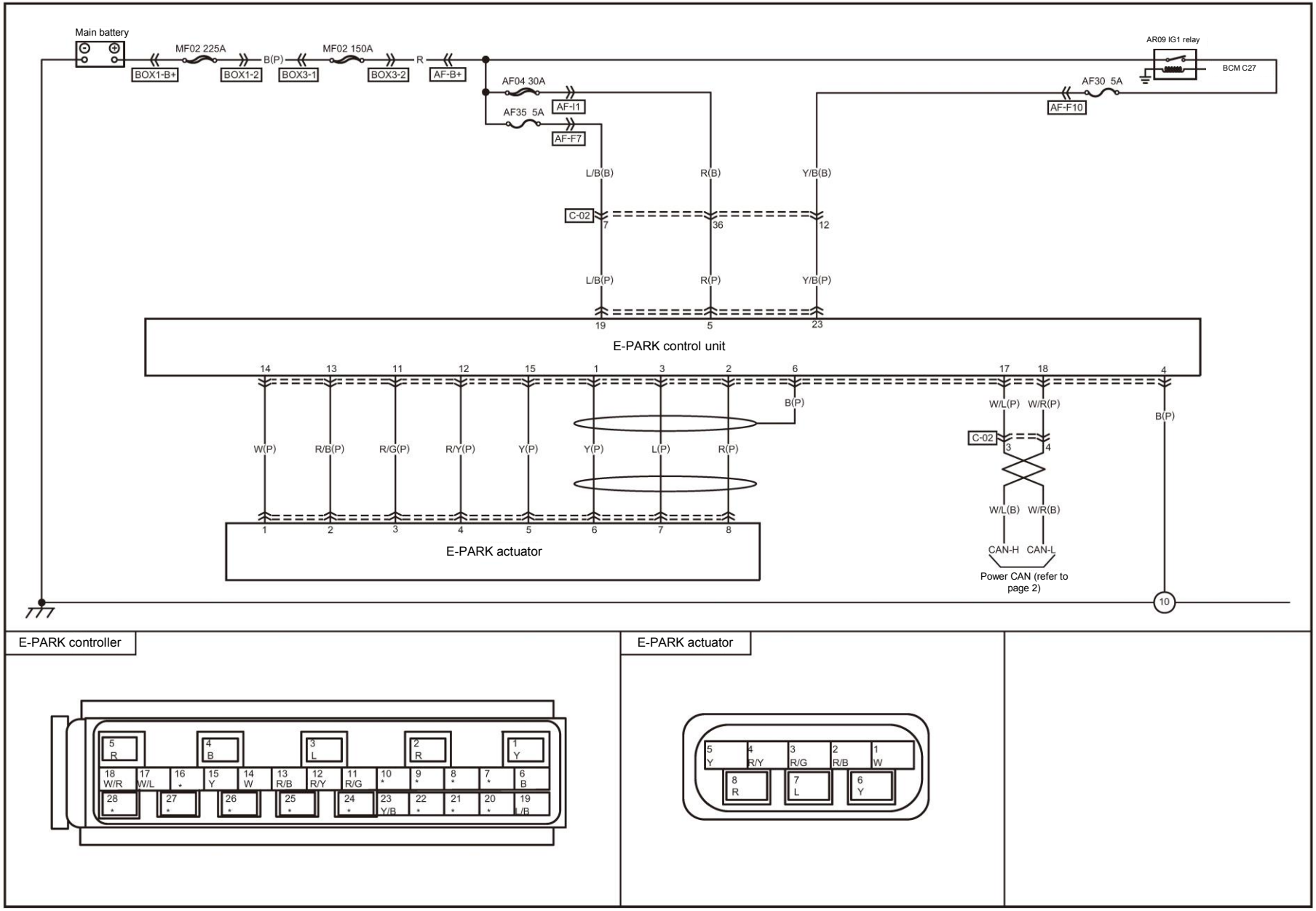
I-BOOST control unit

BR-CS-2



E-PARK controller

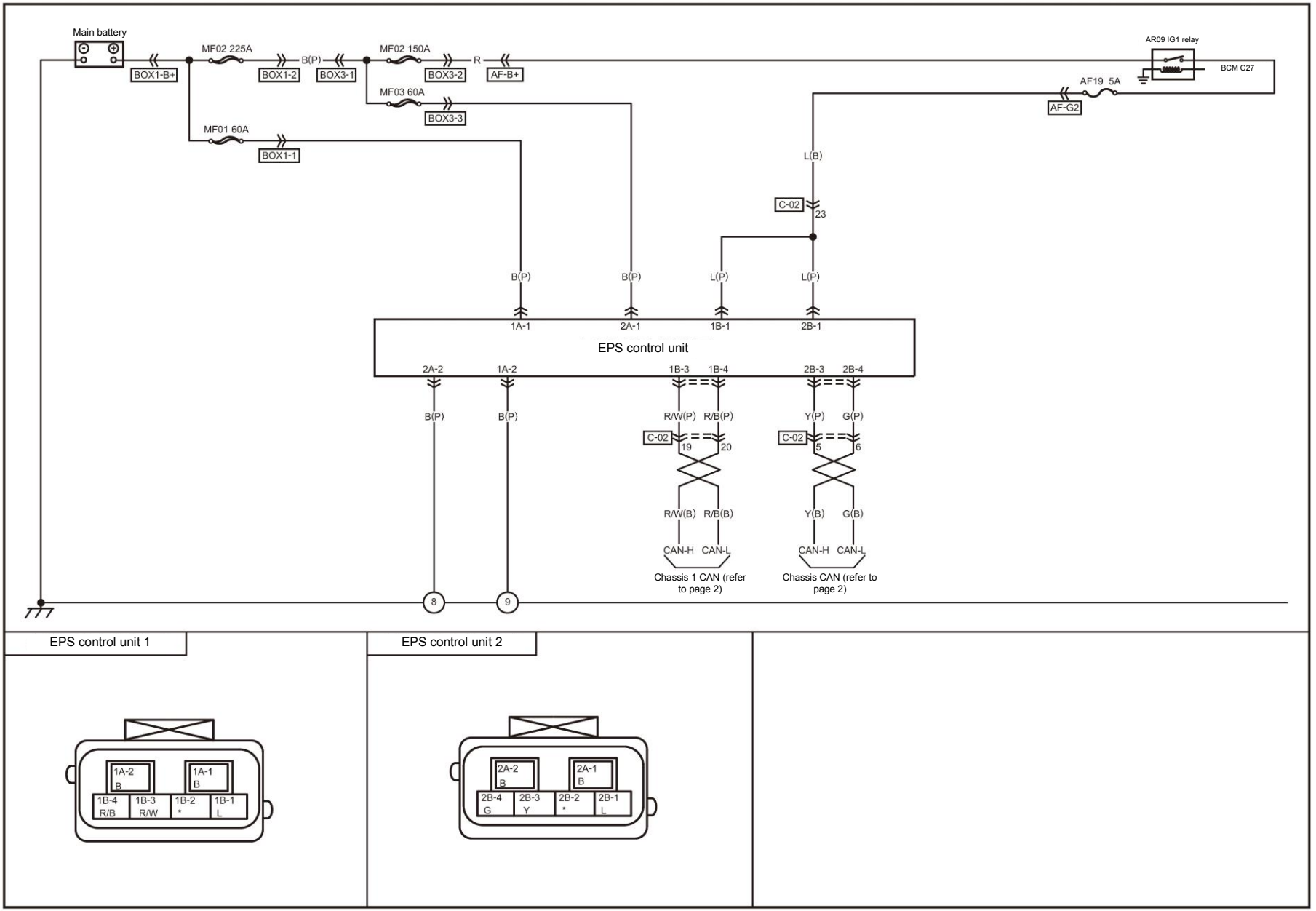
BR-CS-3



E-PARK controller

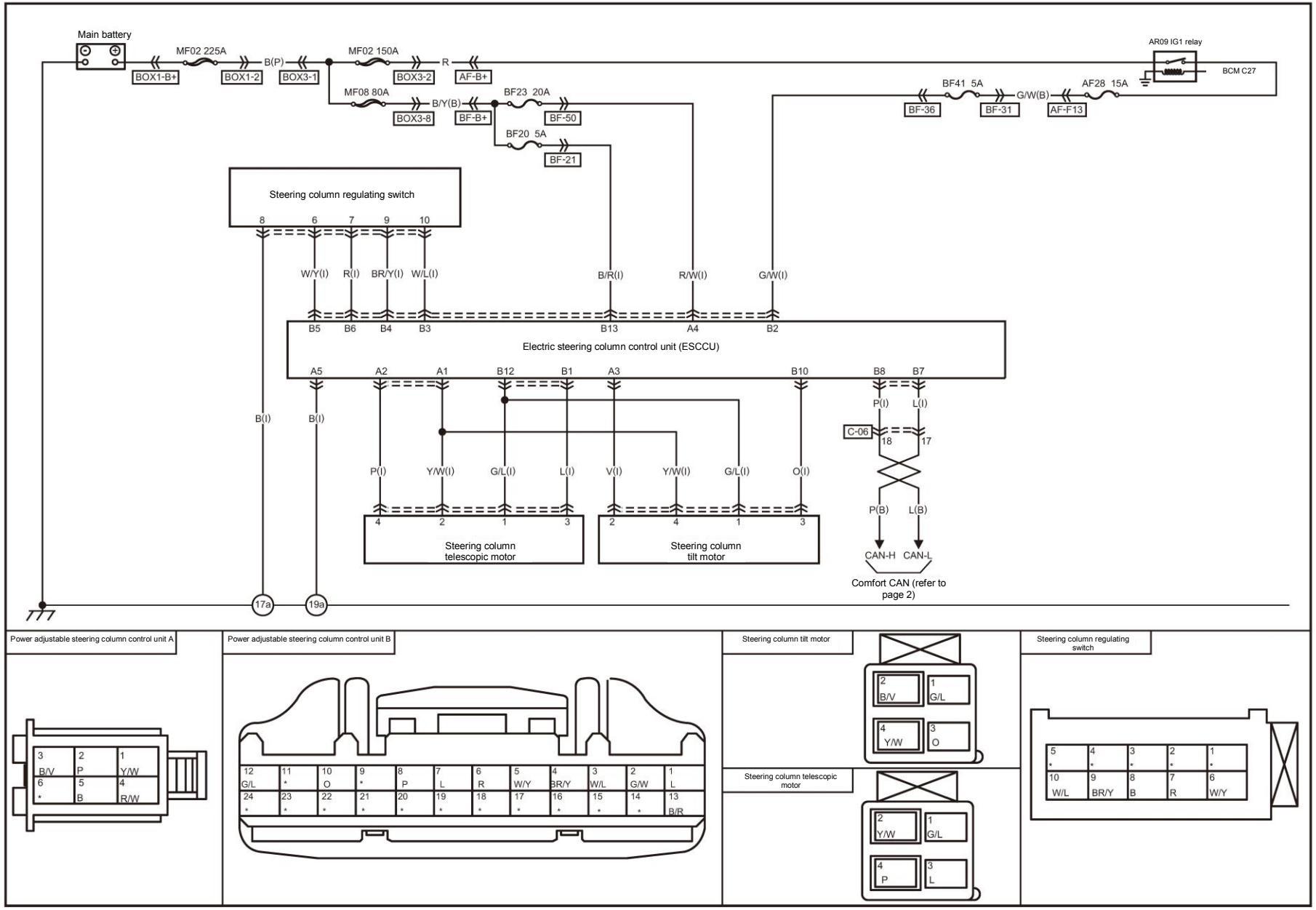
E-PARK actuator

Electronic power steering



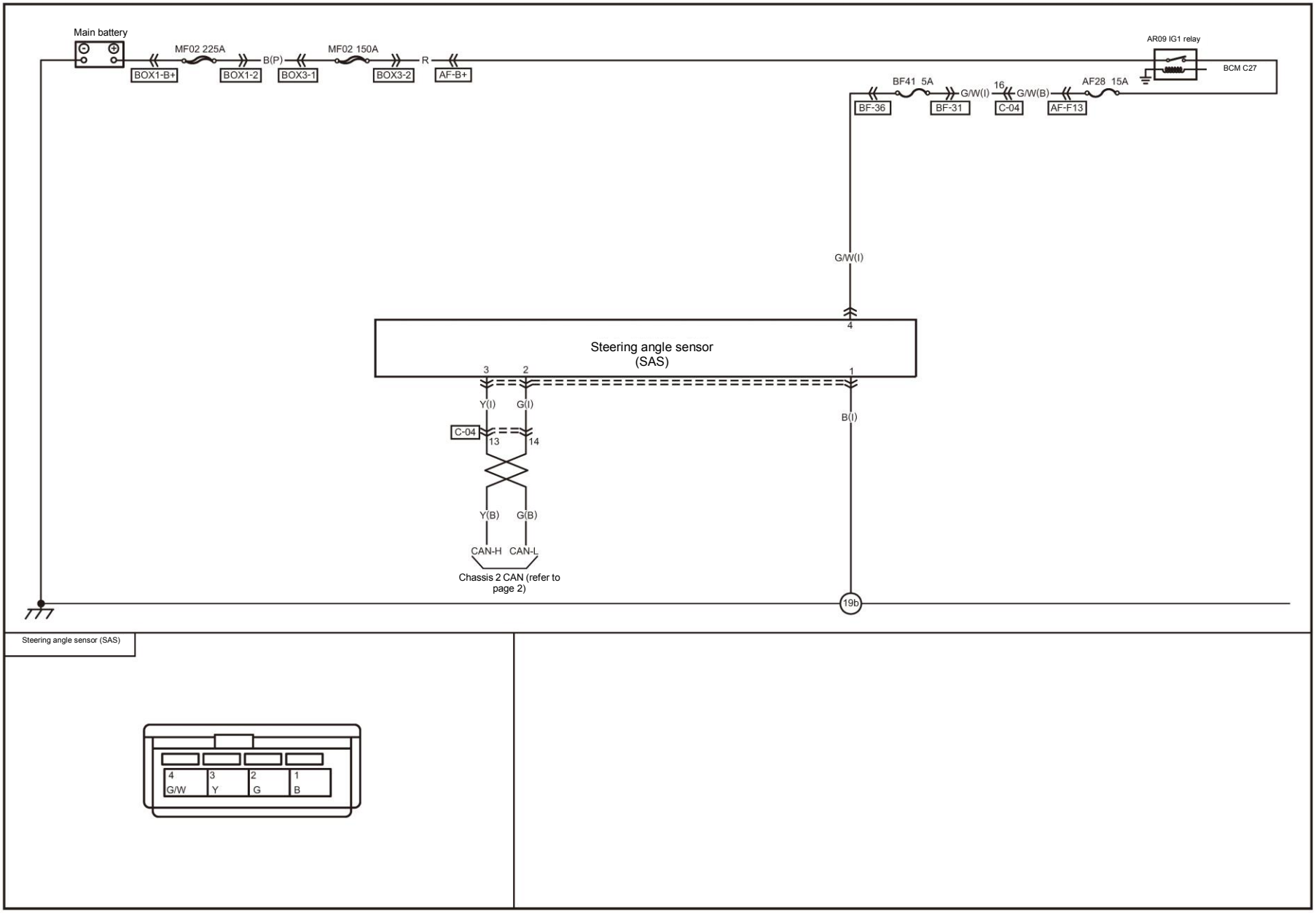
Electric steering column control unit (ESCCU)

BR-CS-5



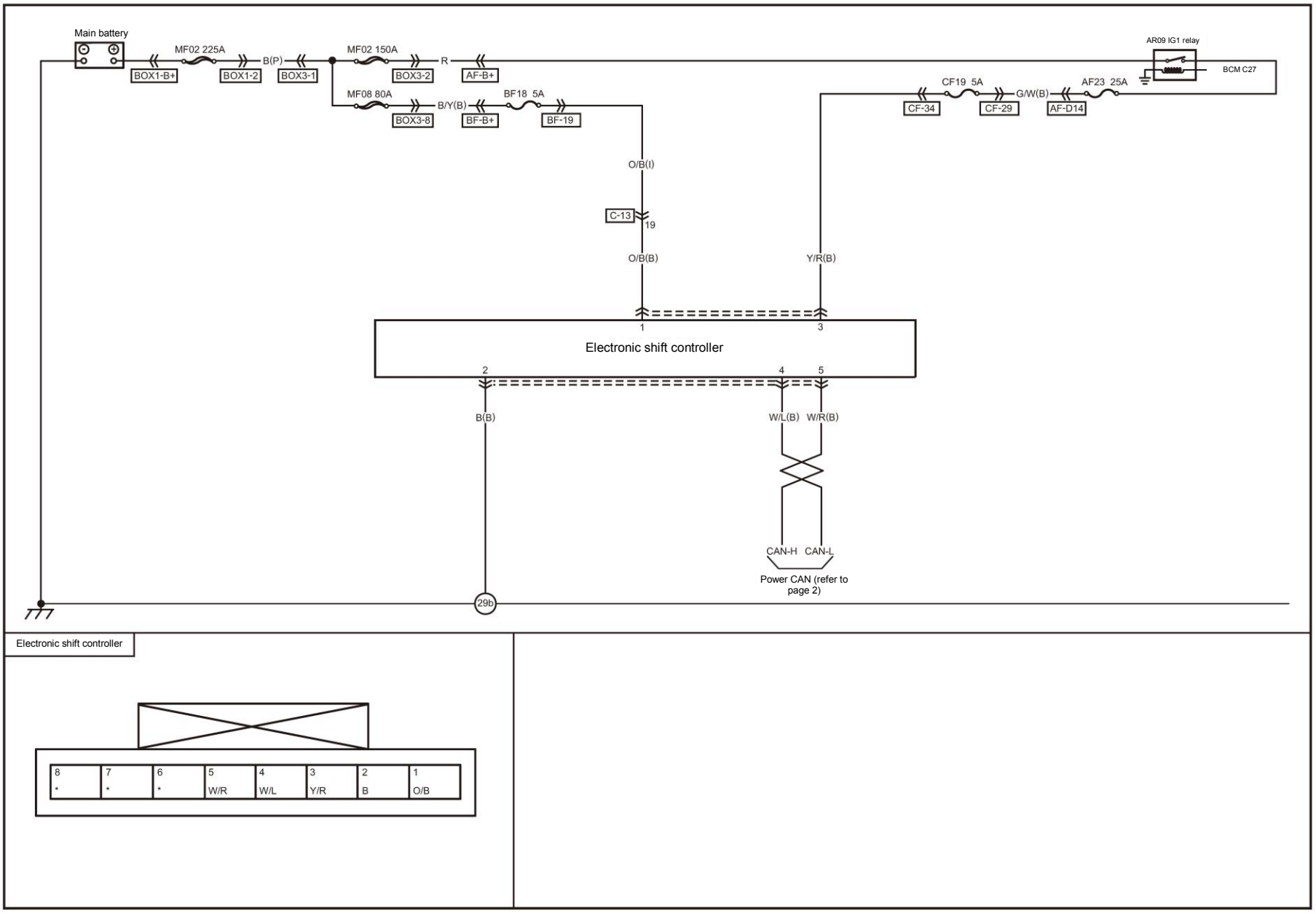
Steering angle sensor (SAS)

BR-CS-6

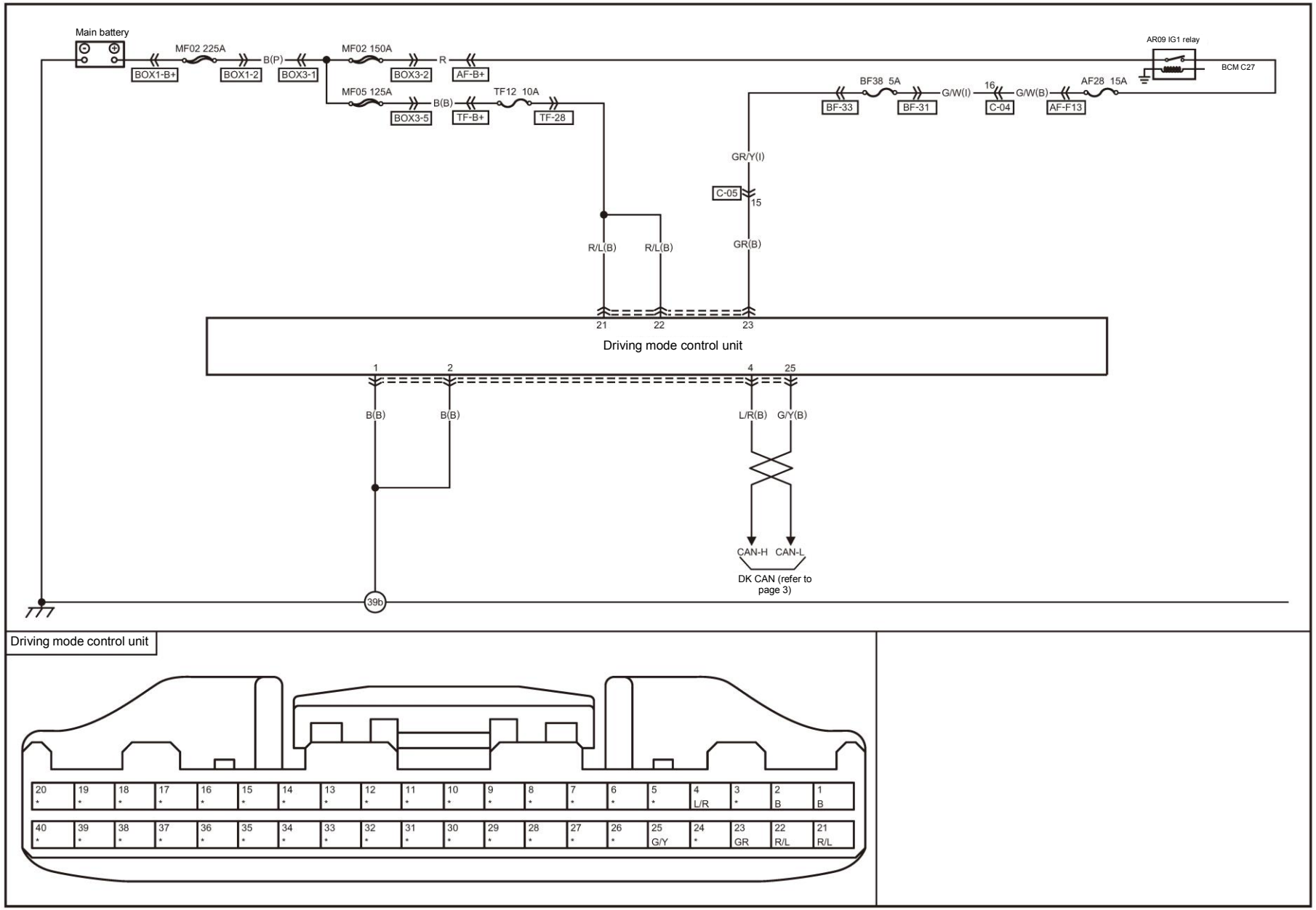


Electronic shift controller

BR-CS-7

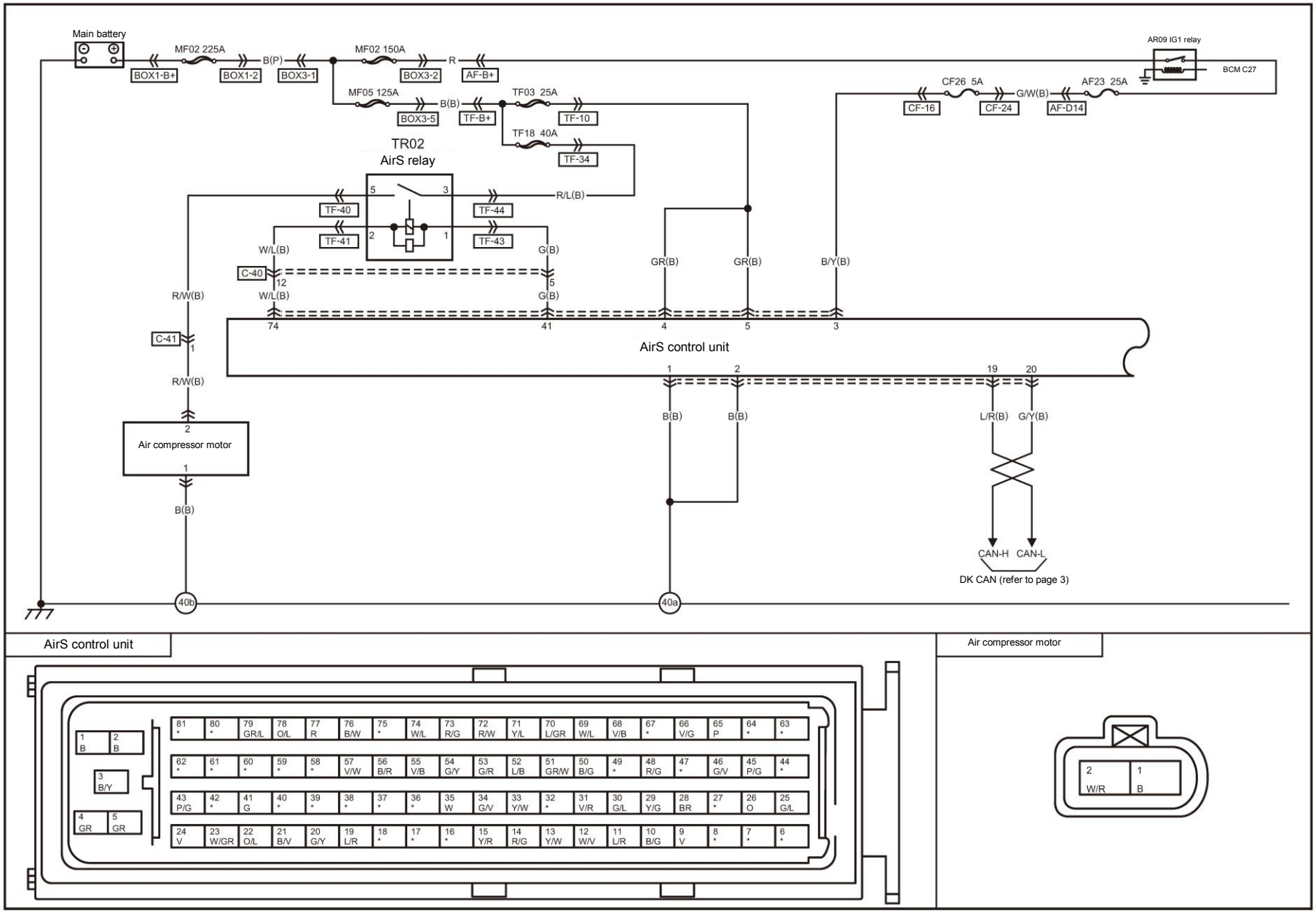


Driving mode control unit



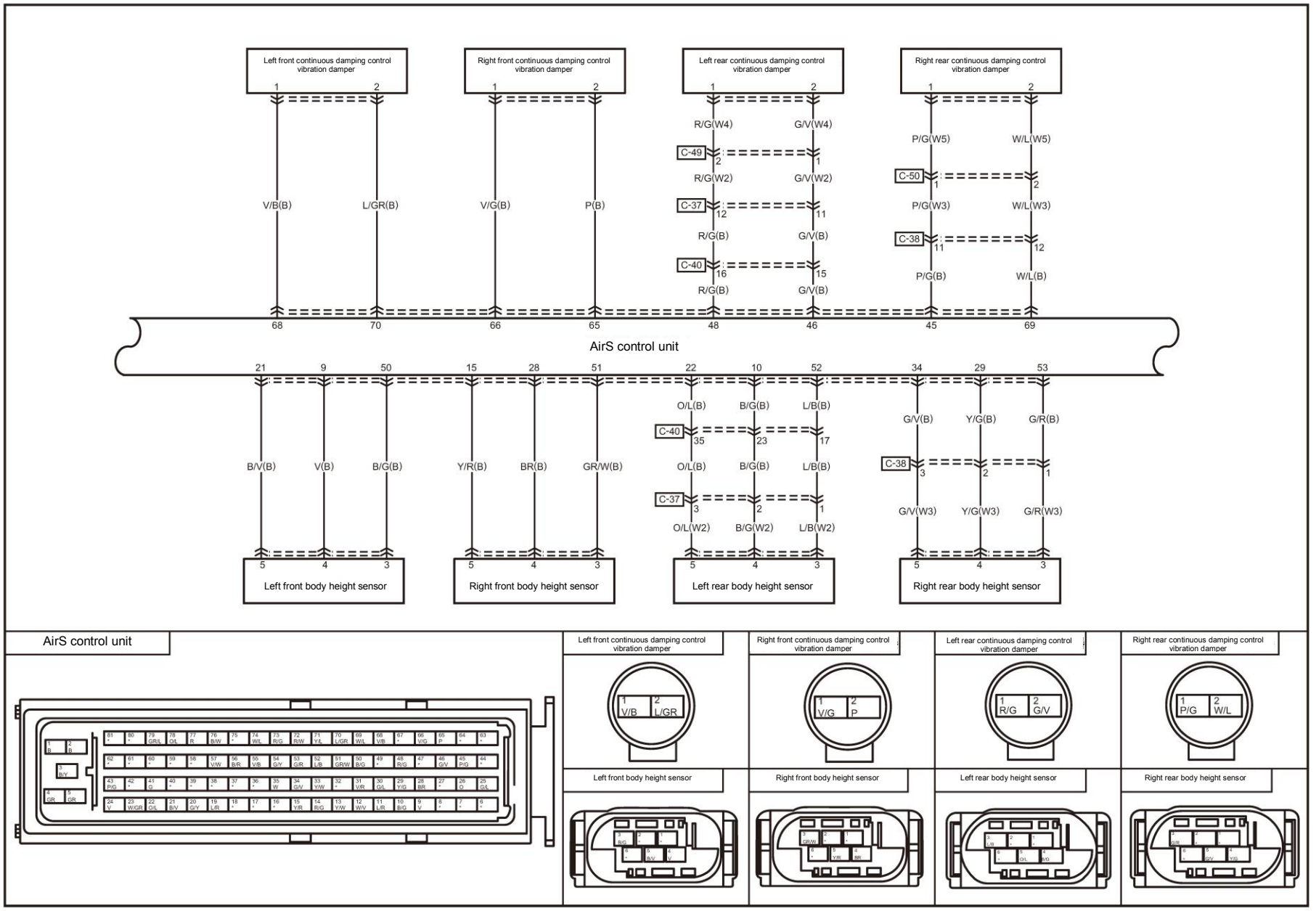
AirS control unit

BR-CS-9a



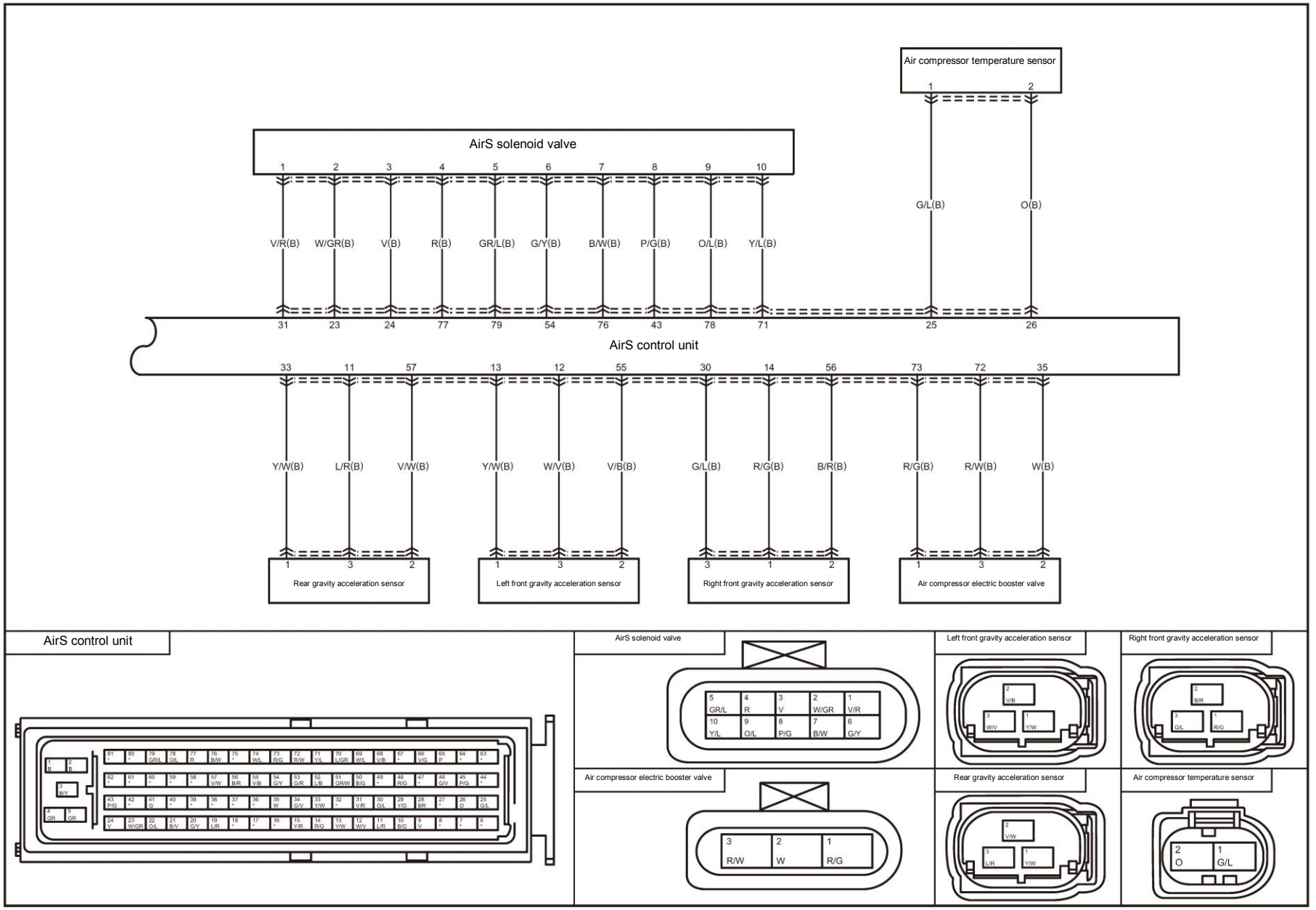
AirS control unit

BR-CS-9b



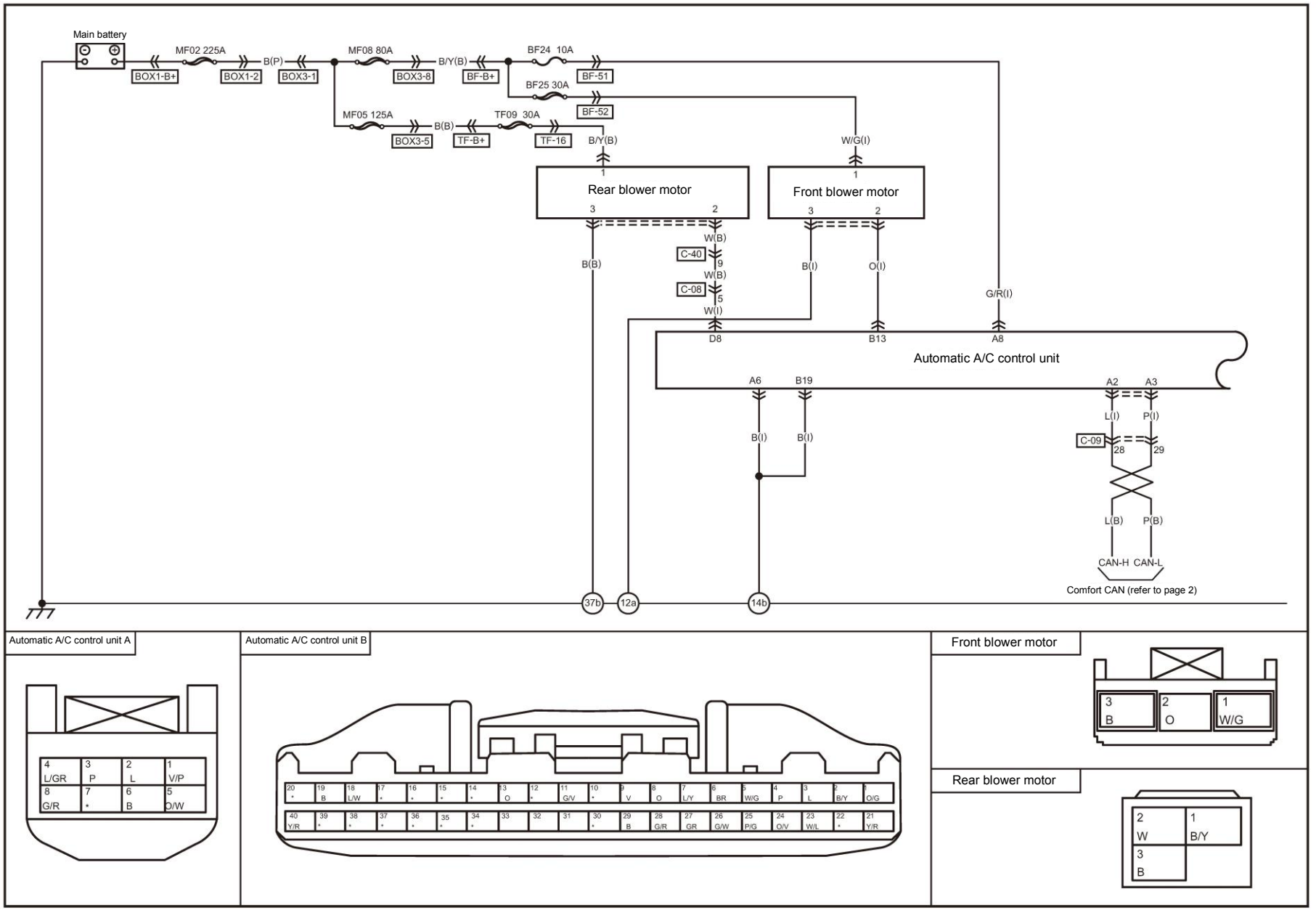
AirS control unit

BR-CS-9c



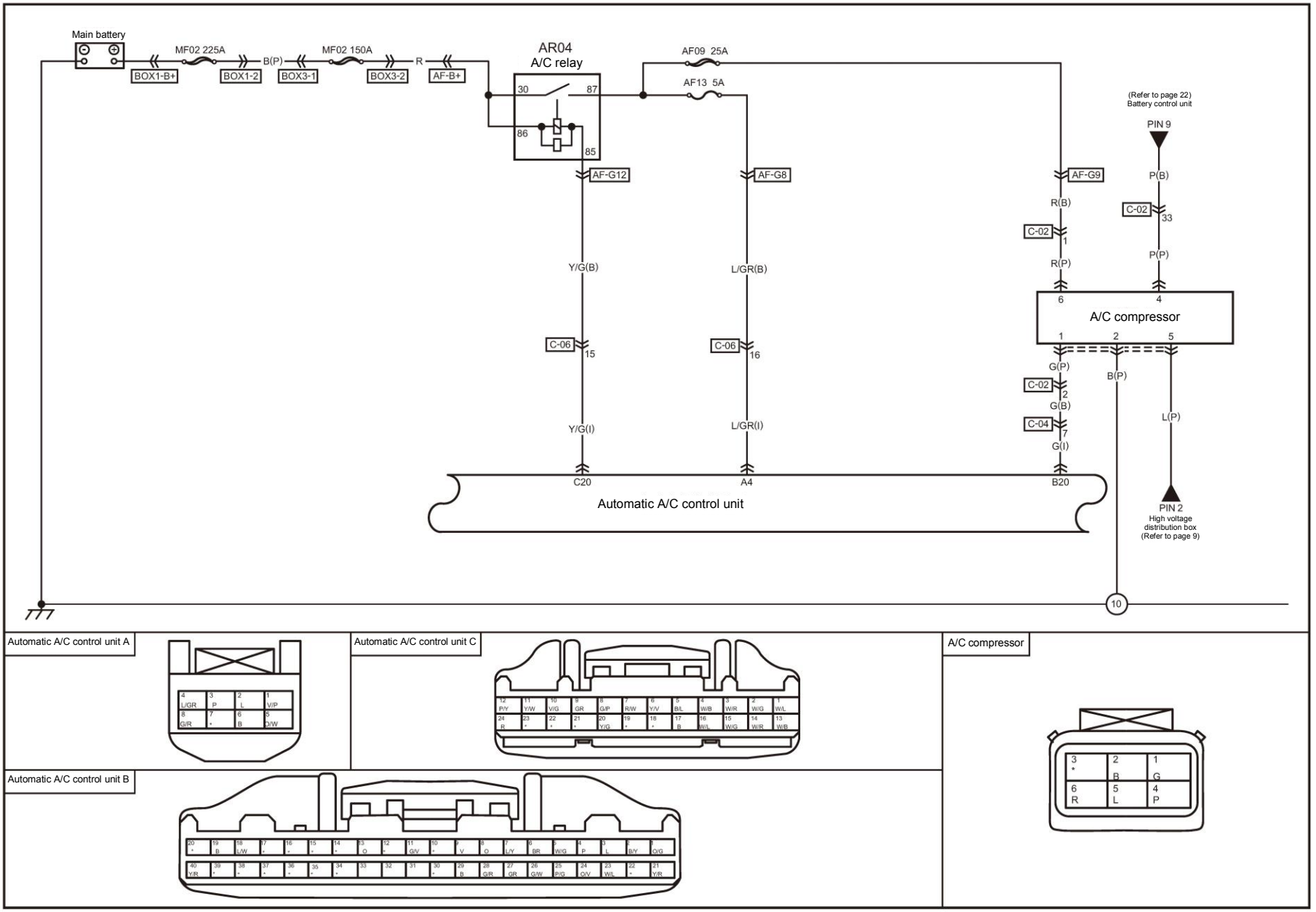
Automatic A/C control unit

AC-CS-1a



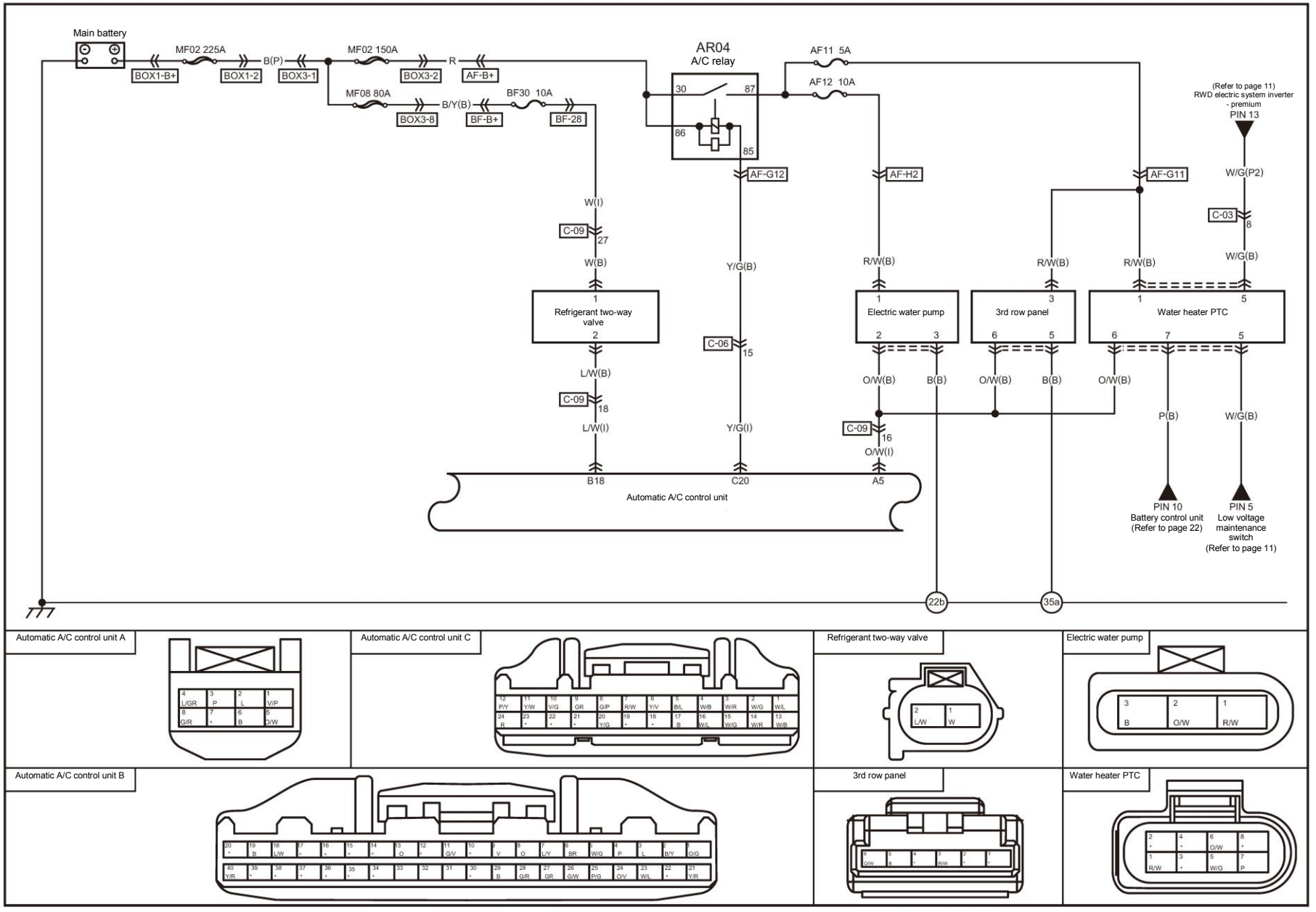
Automatic A/C control unit

AC-CS-1b



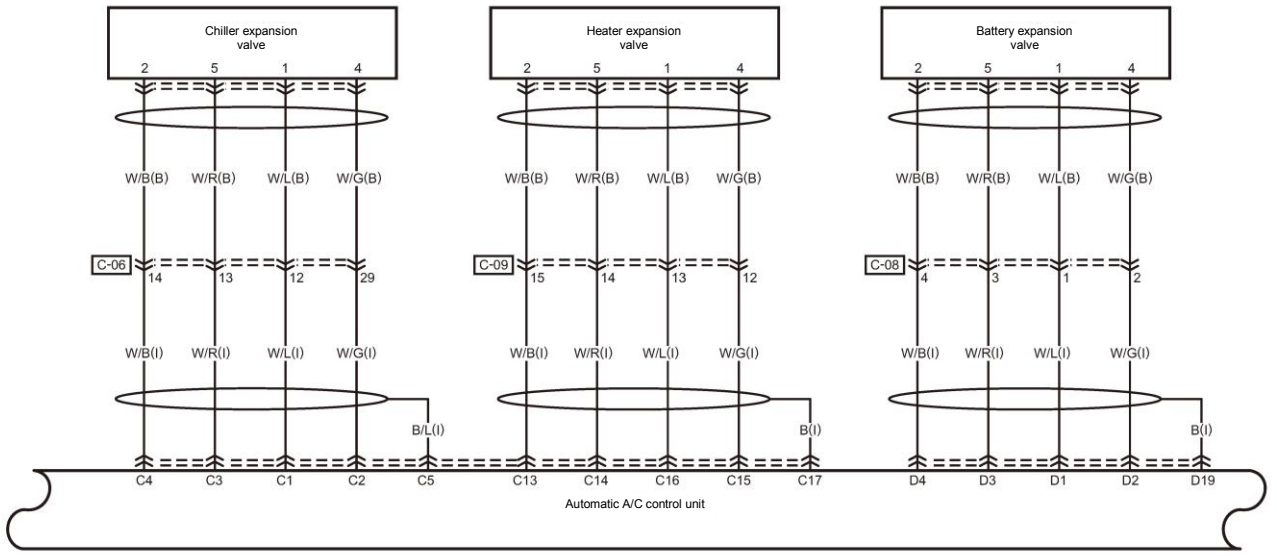
Automatic A/C control unit

AC-CS-1c

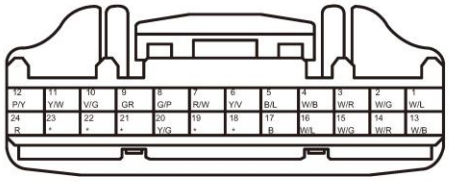


Automatic A/C control unit

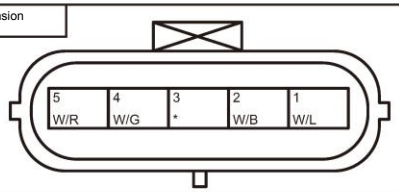
AC-CS-1d



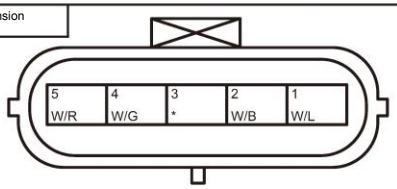
Automatic A/C control unit C



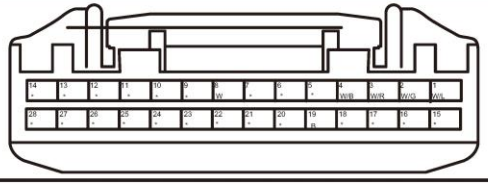
Chiller expansion valve



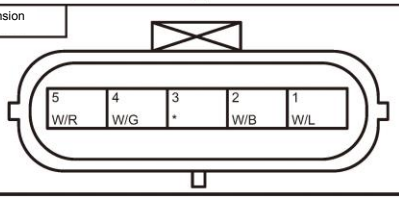
Battery expansion valve



Automatic A/C control unit D

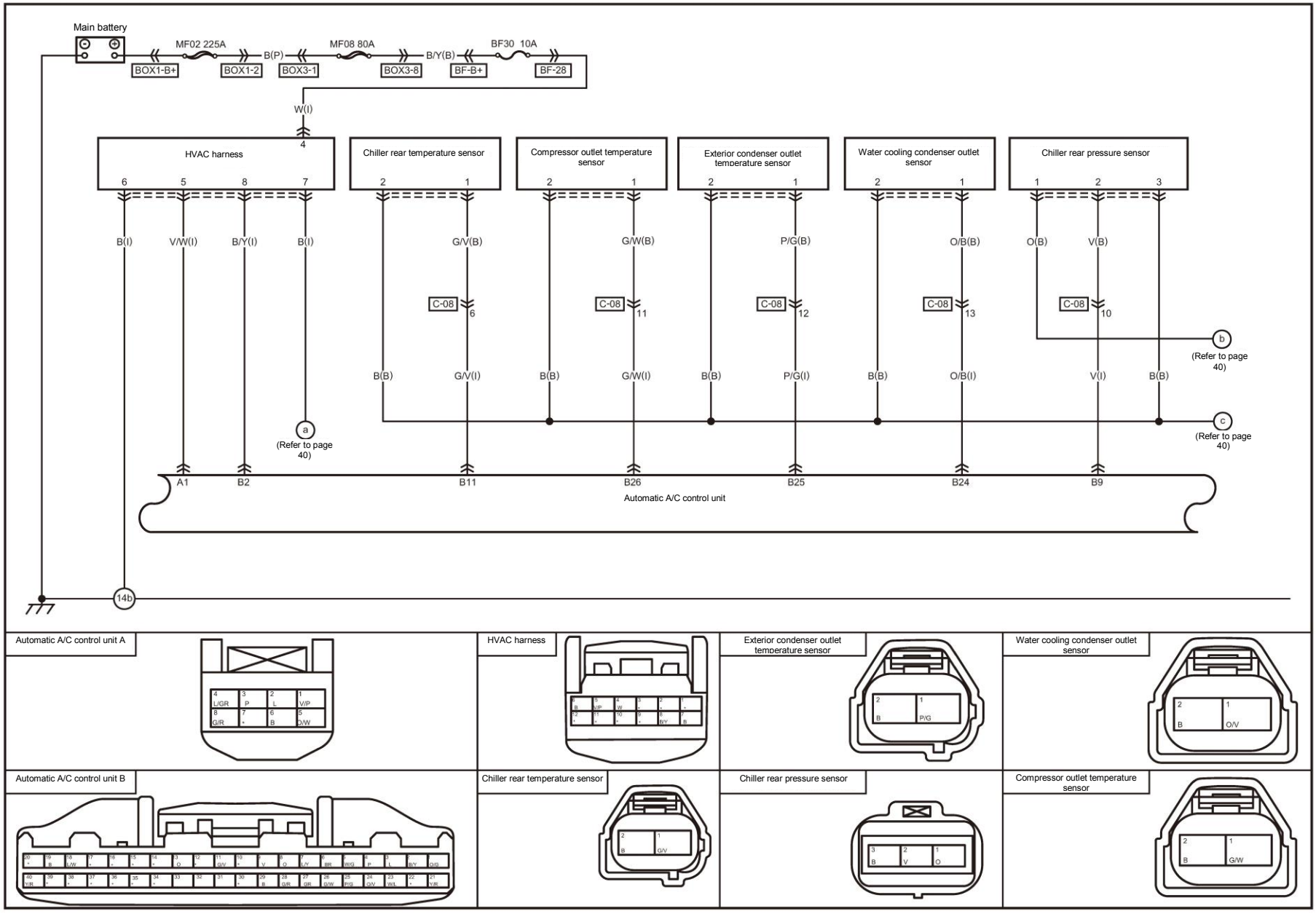


Heater expansion valve



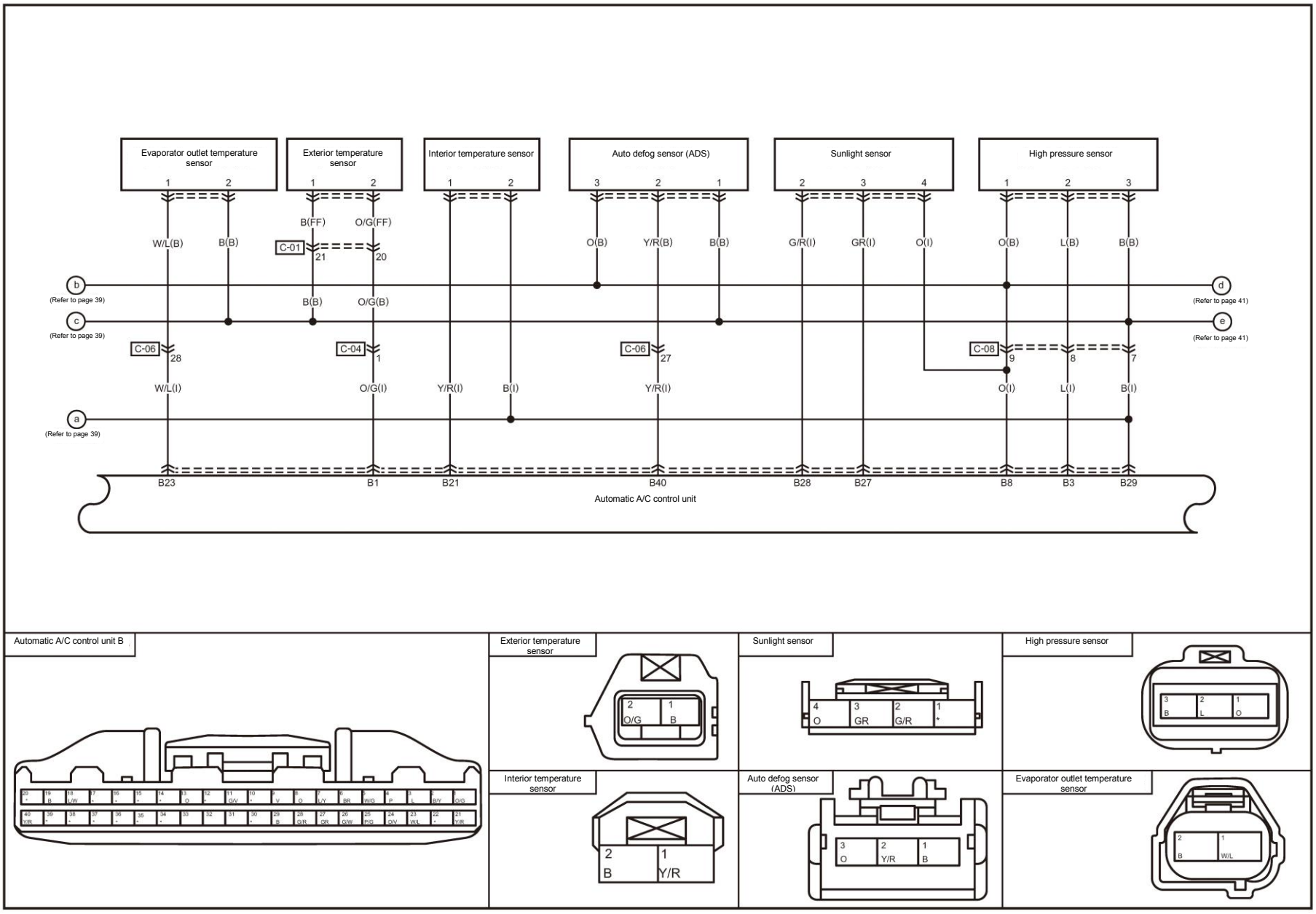
Automatic A/C control unit

AC-CS-1e



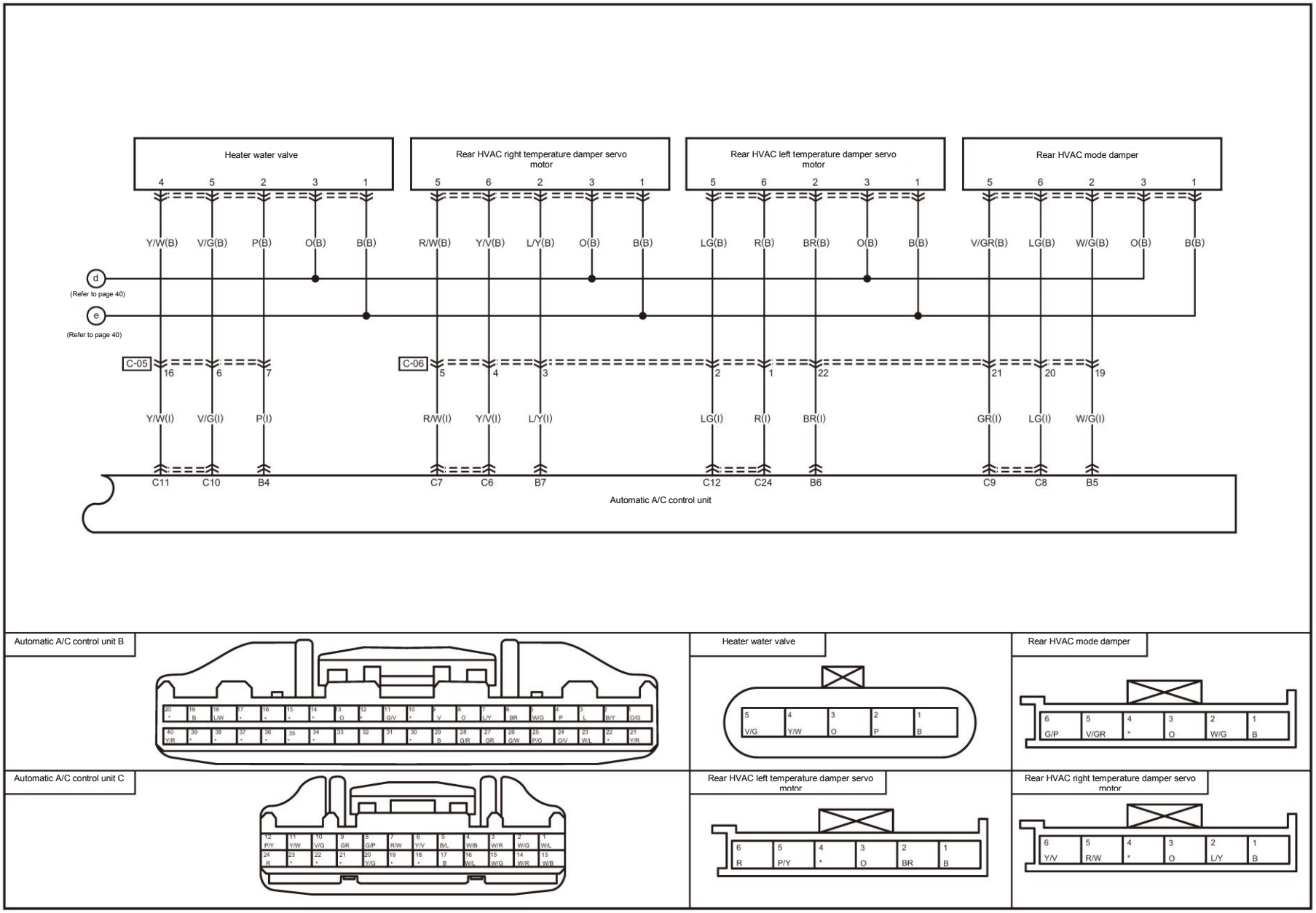
Automatic A/C control unit

AC-CS-1f



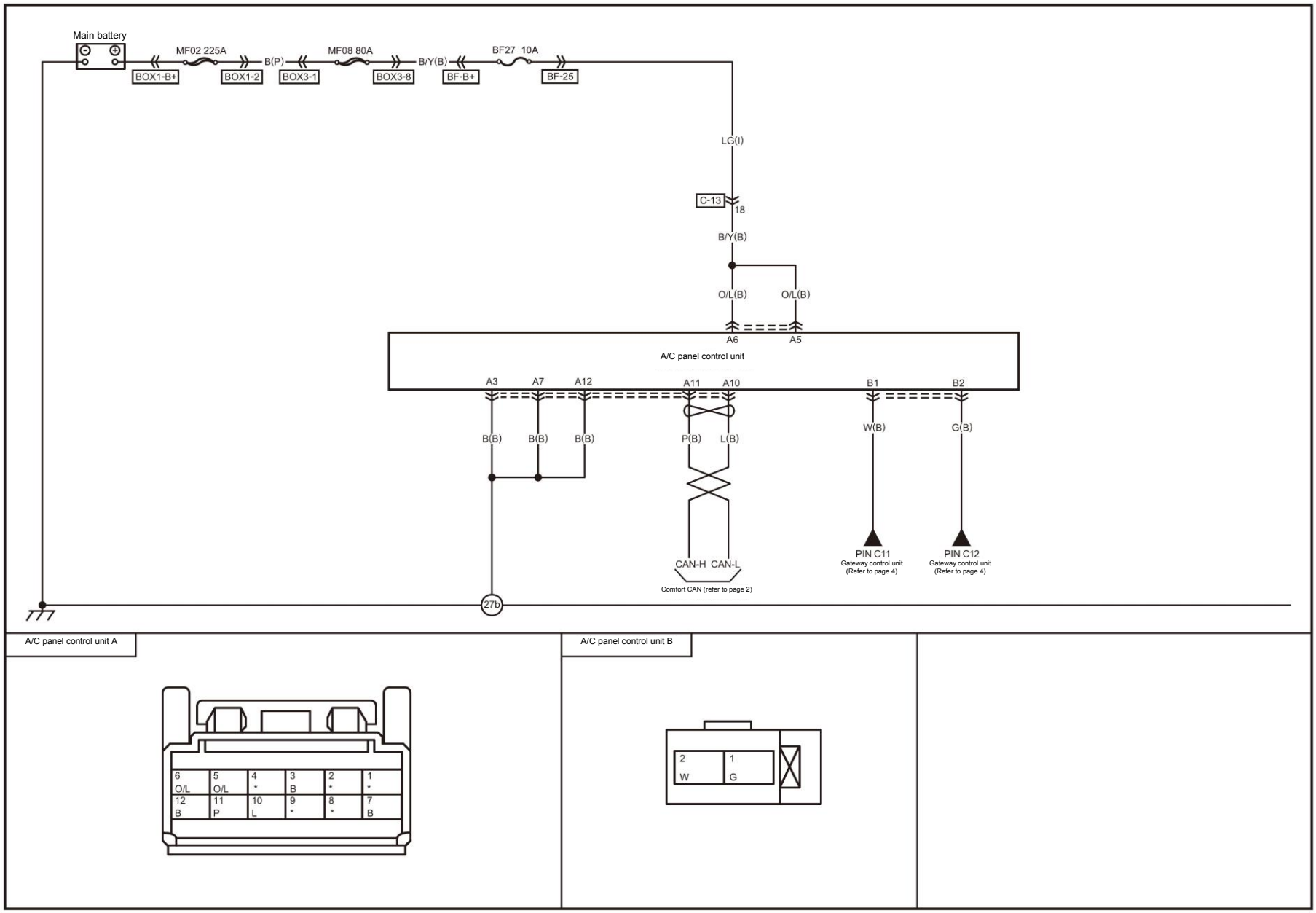
Automatic A/C control unit

AC-CS-1g



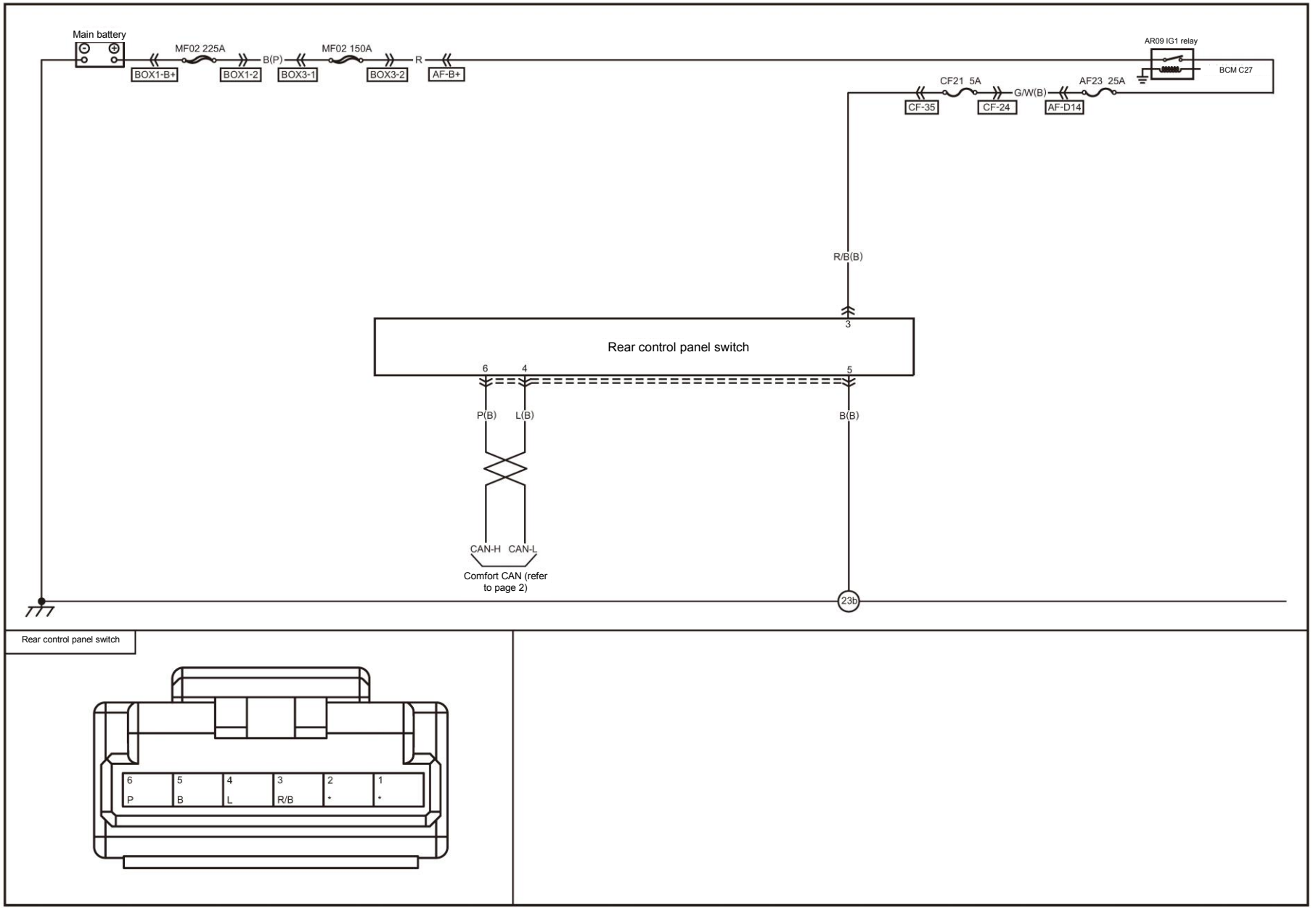
Automatic A/C control unit

AC-CS-1h



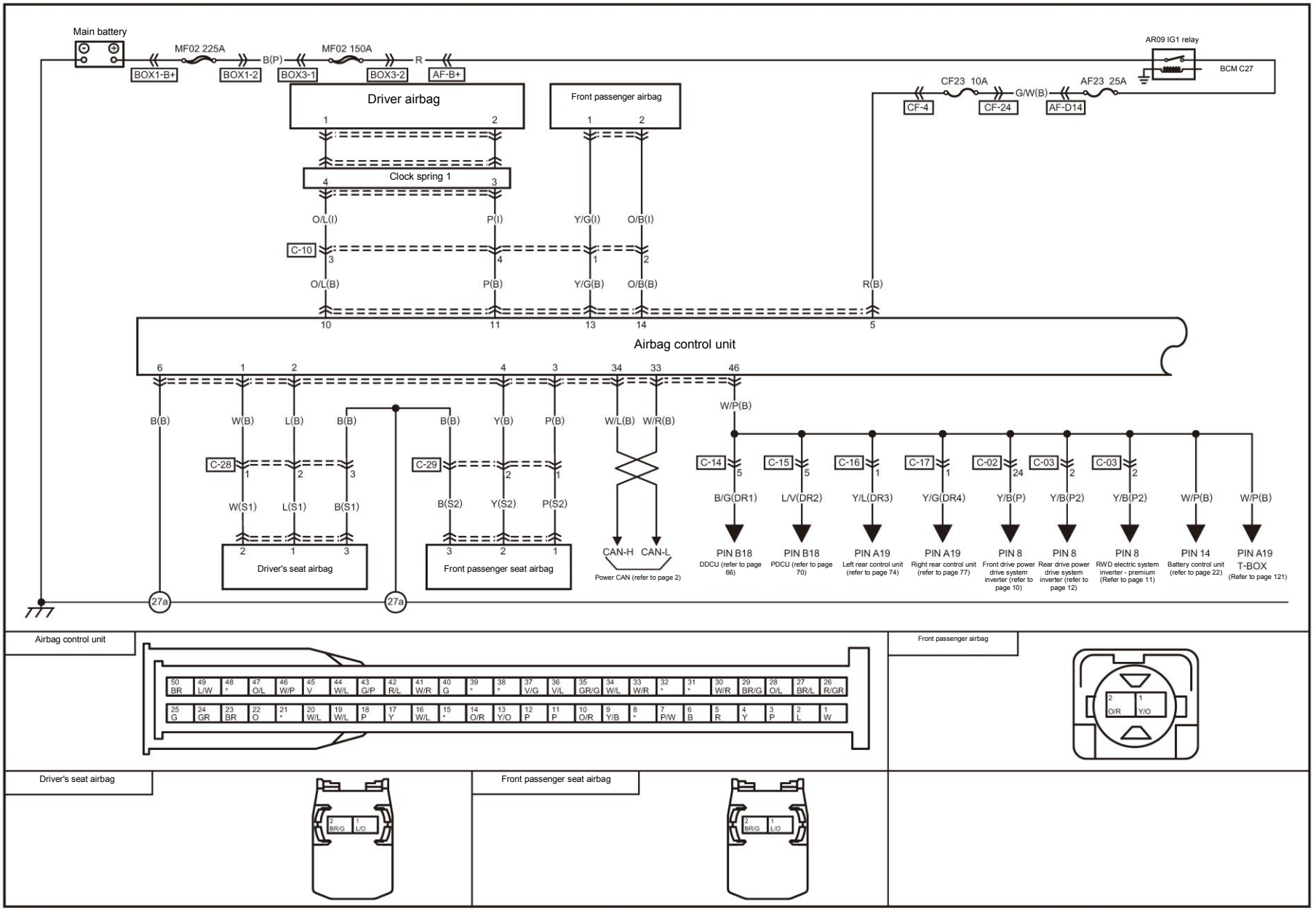
Rear control panel switch

AC-CS-2



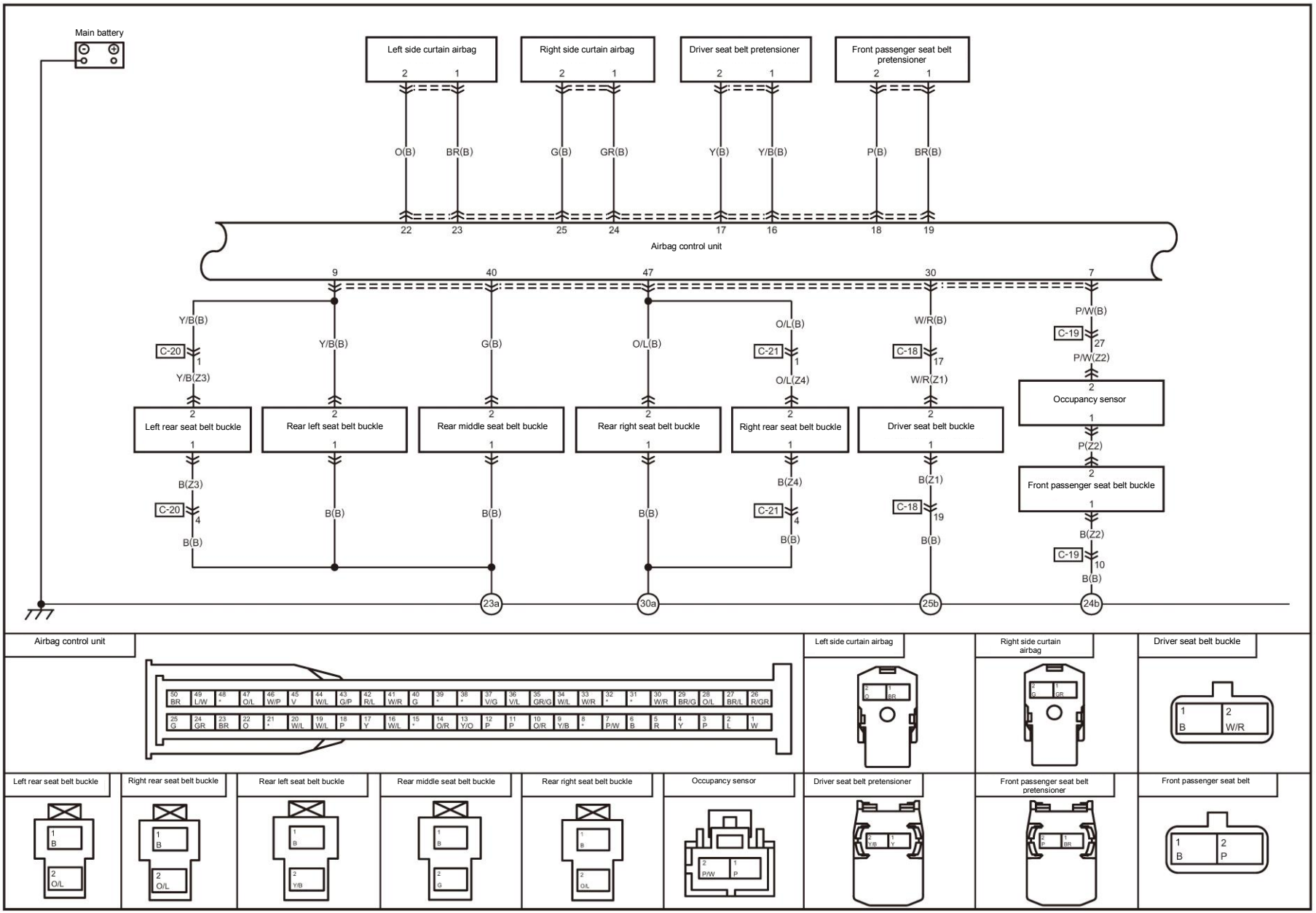
Airbag control unit

RS-SRS-1a



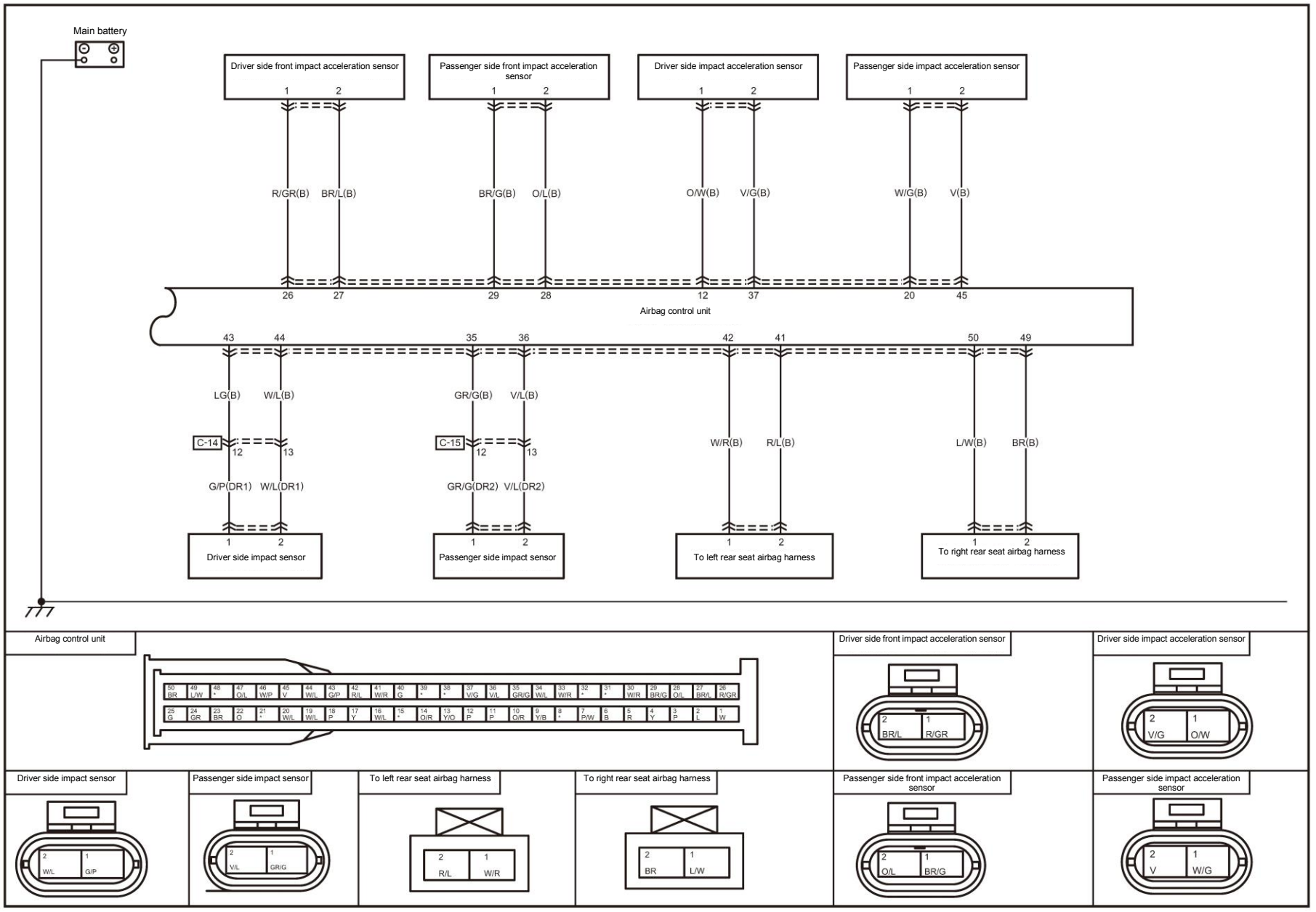
Airbag control unit

RS-SRS-1b



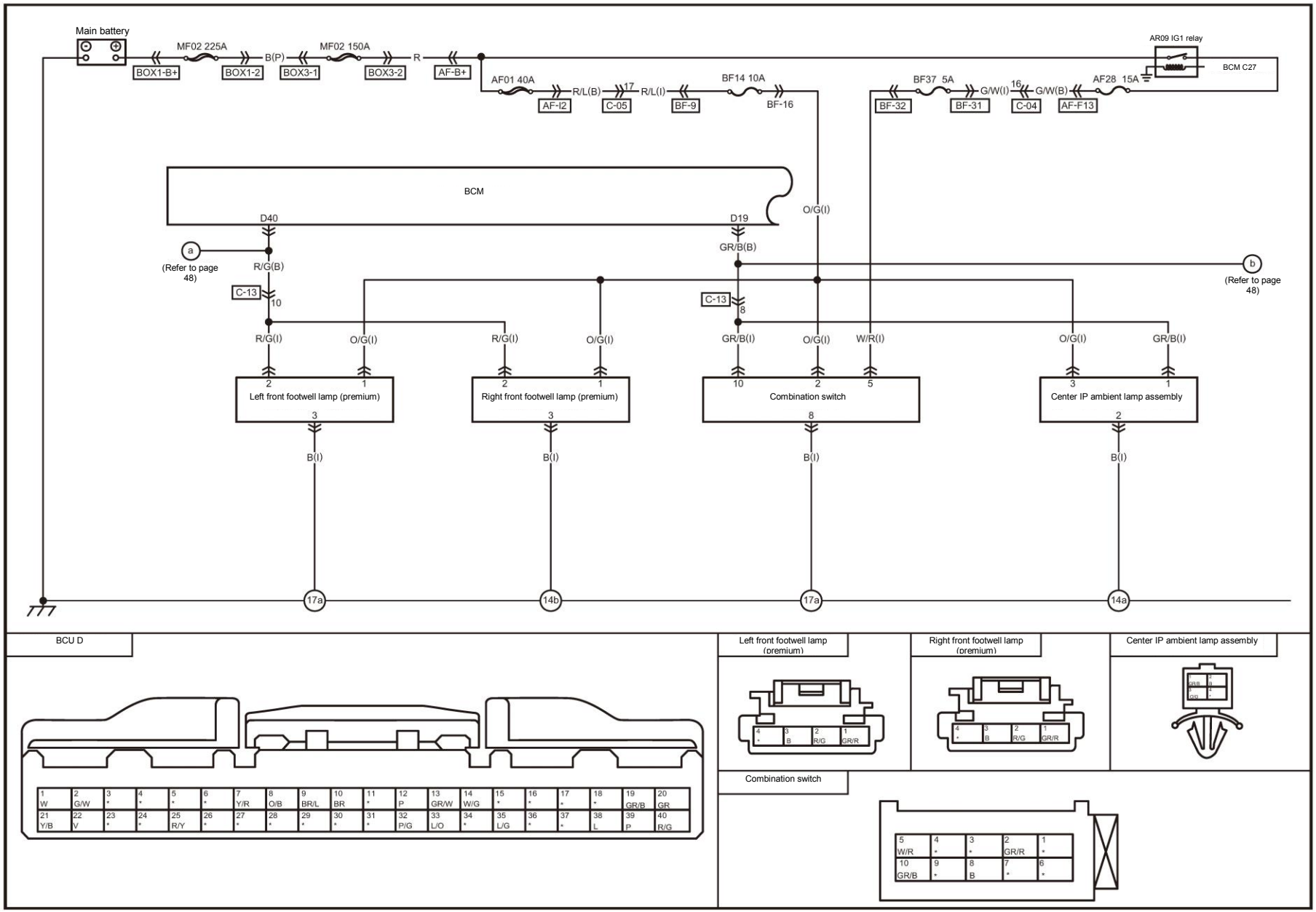
Airbag control unit

RS-SRS-1c



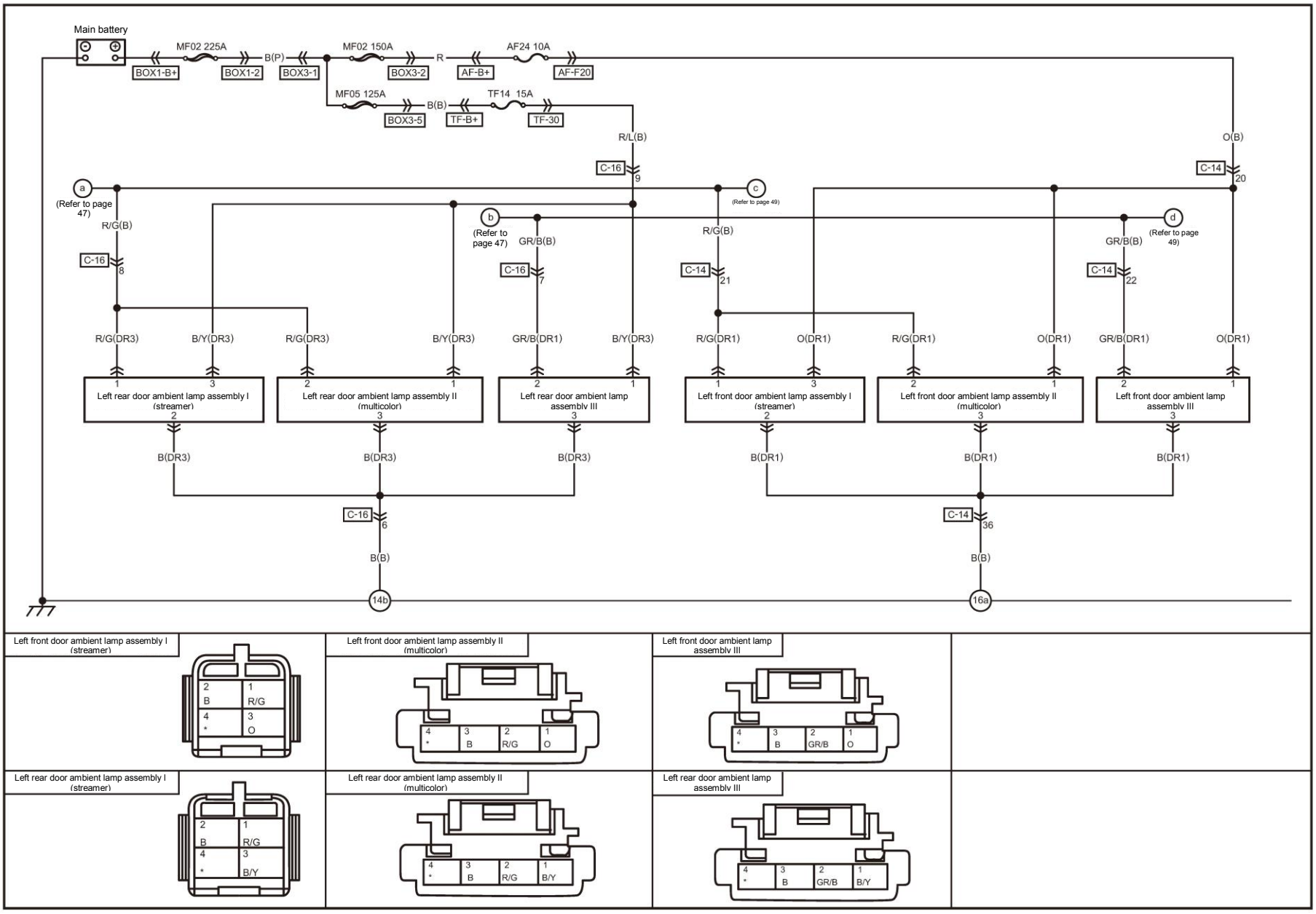
Ambient lamp-premium

BO-CS-1a



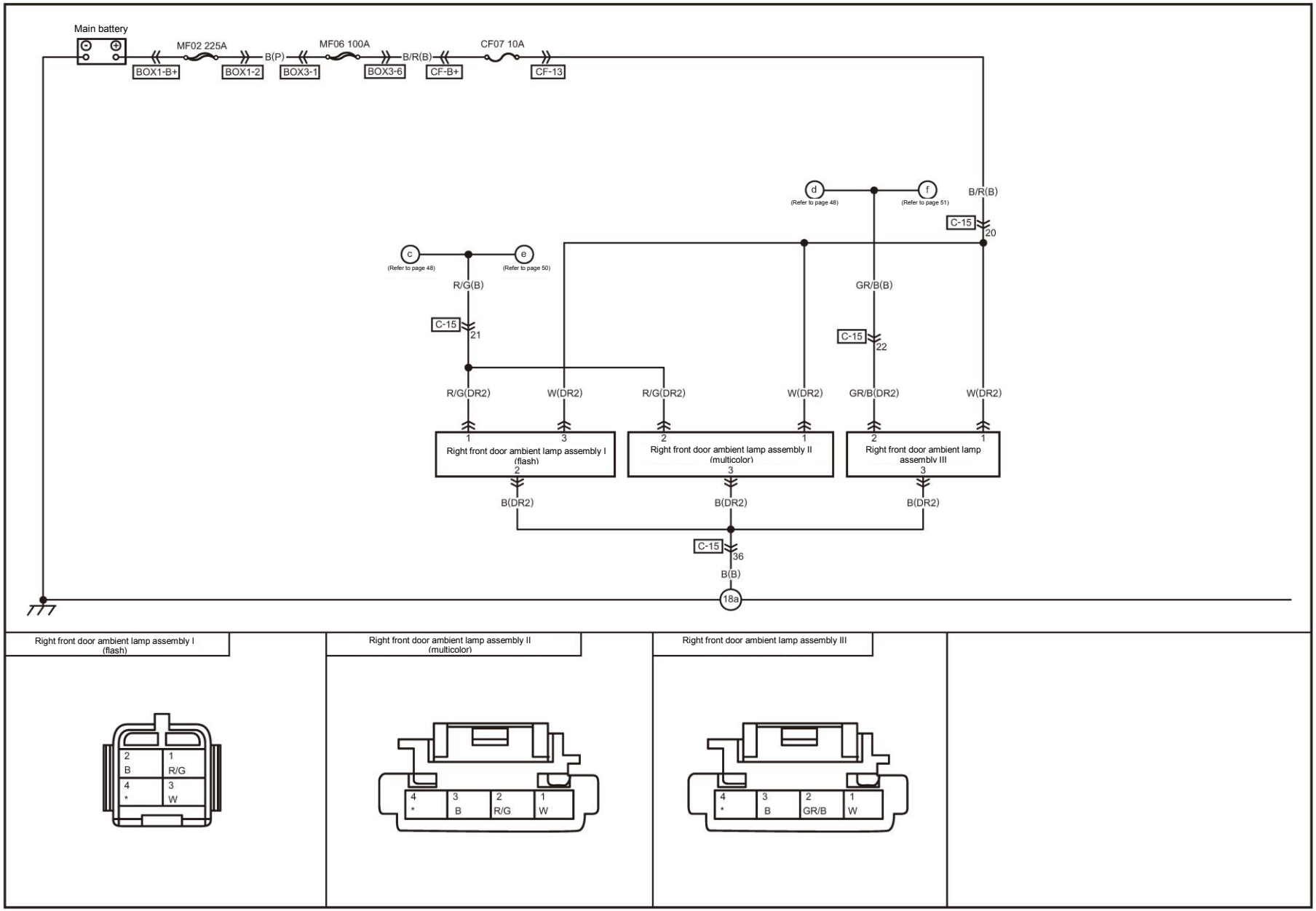
Ambient lamp-premium

BO-CS-1b



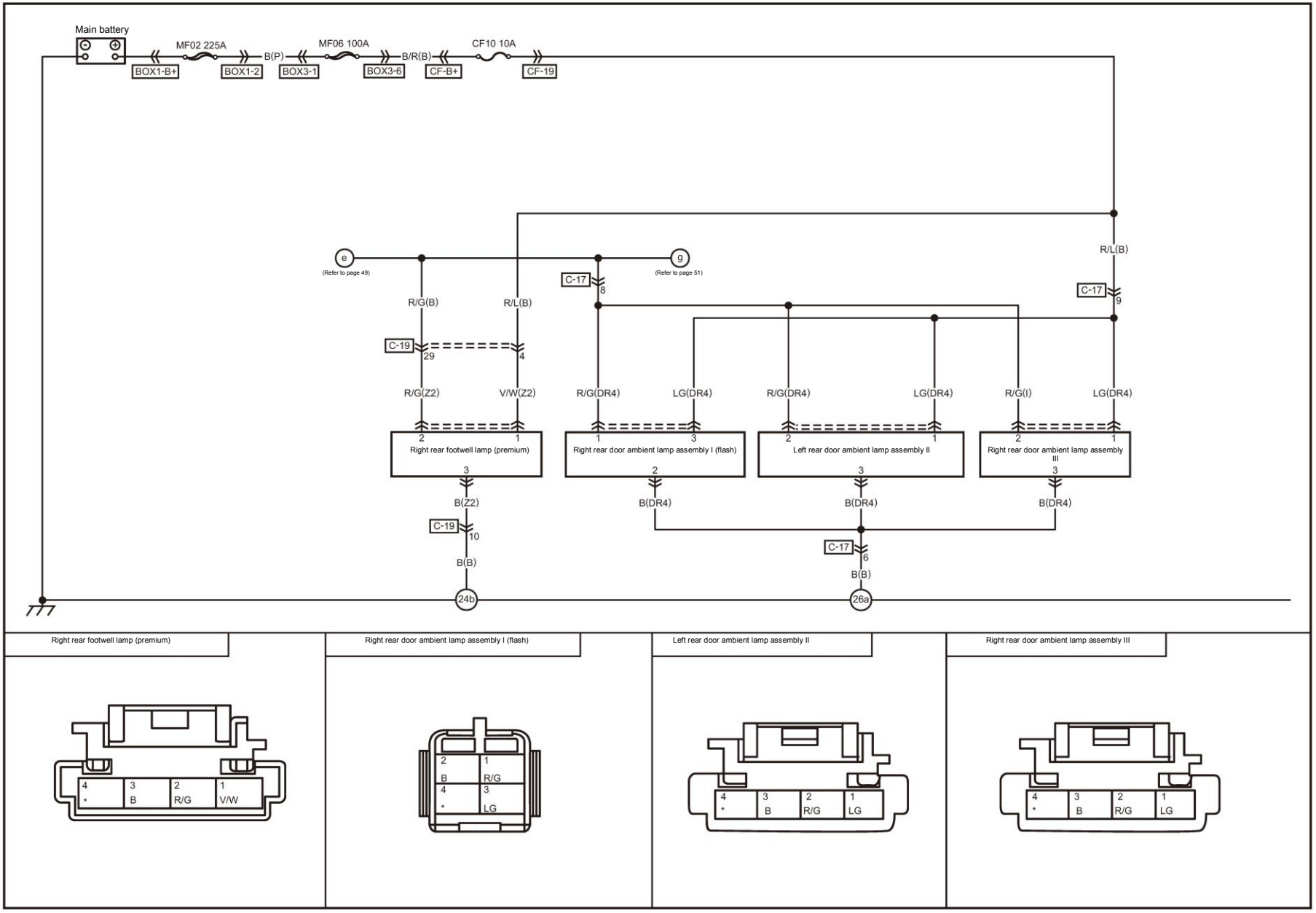
Ambient lamp-premium

BO-CS-1c



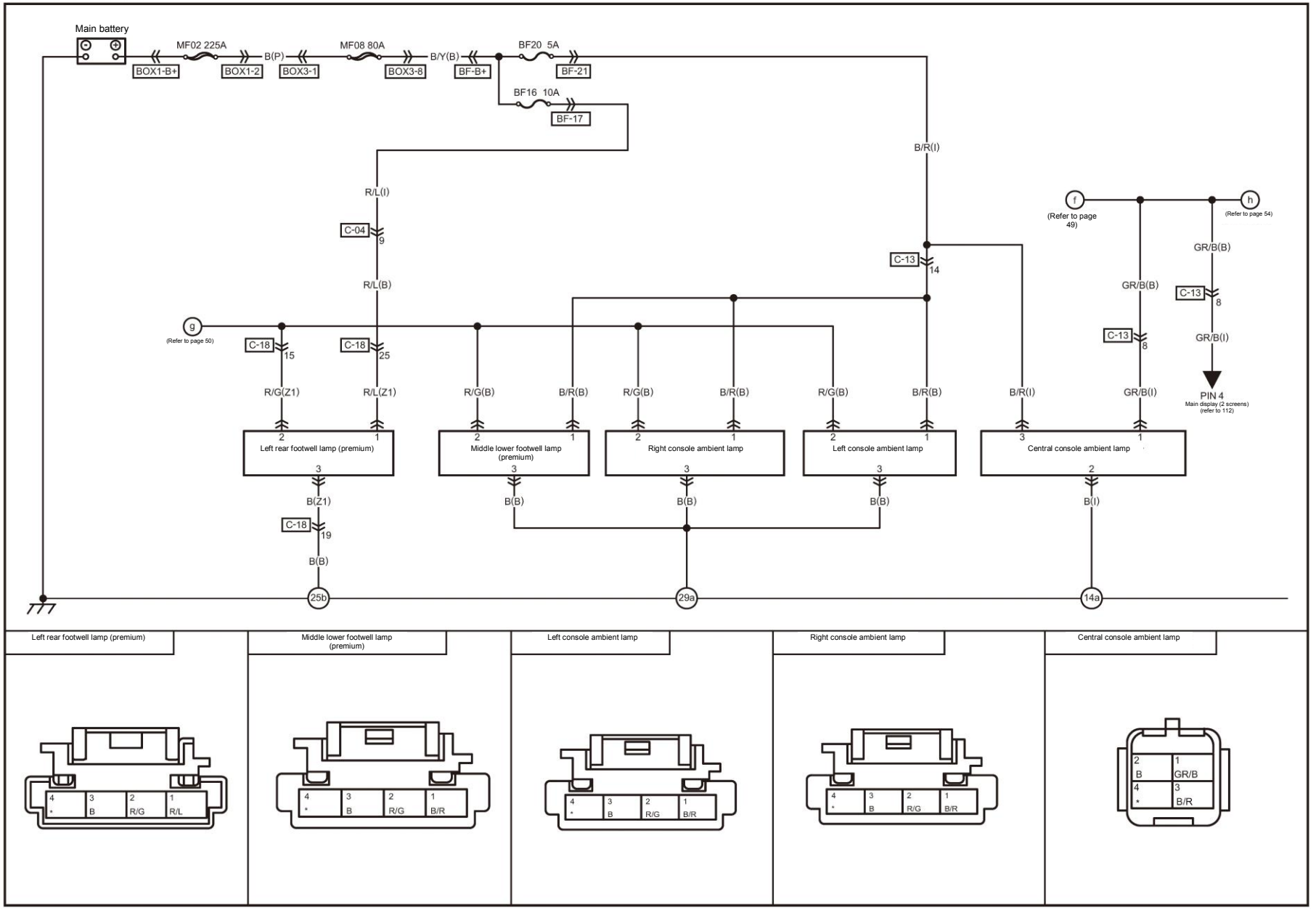
Ambient lamp-premium

BO-CS-1d



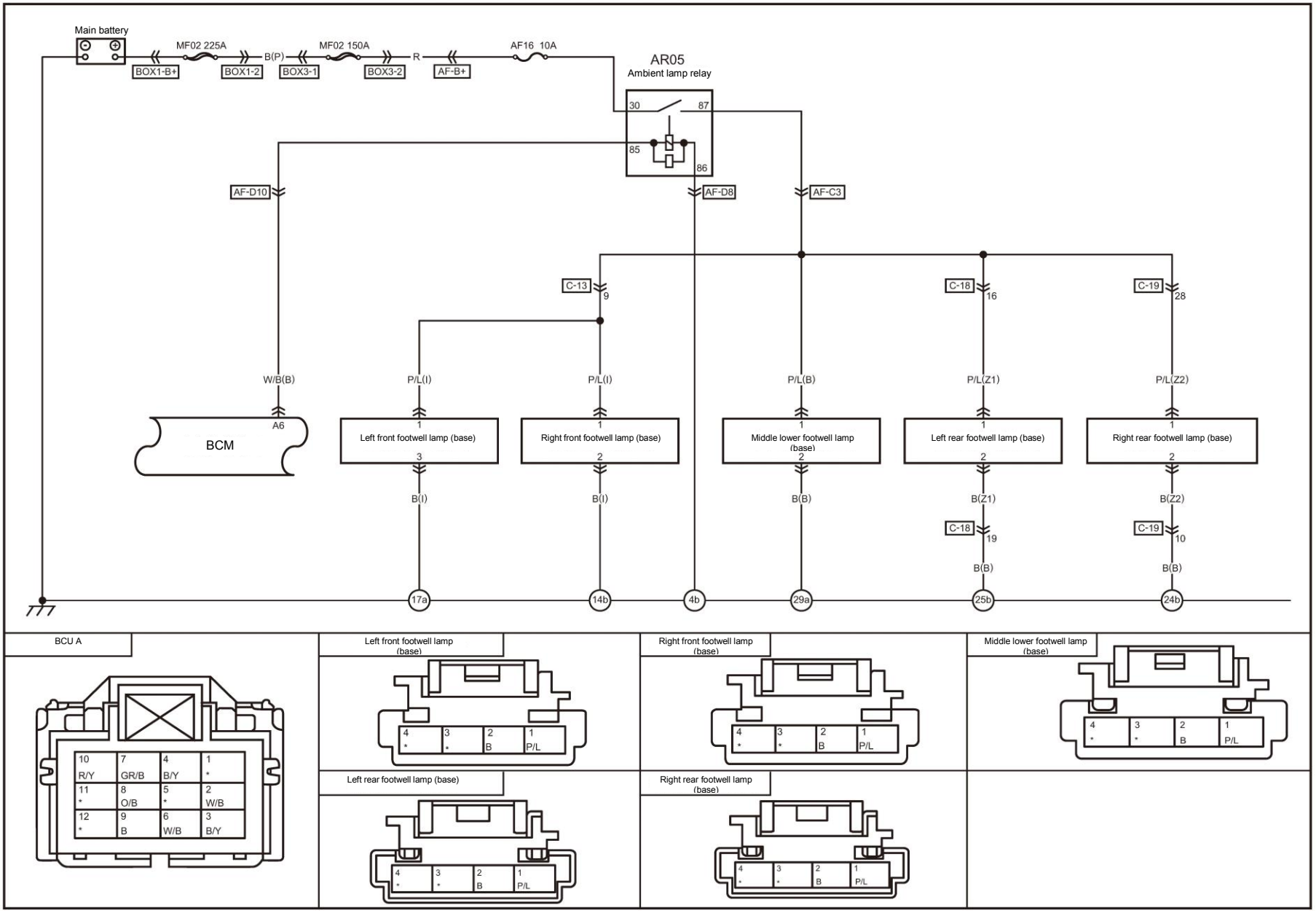
Ambient lamp-premium

BO-CS-1e



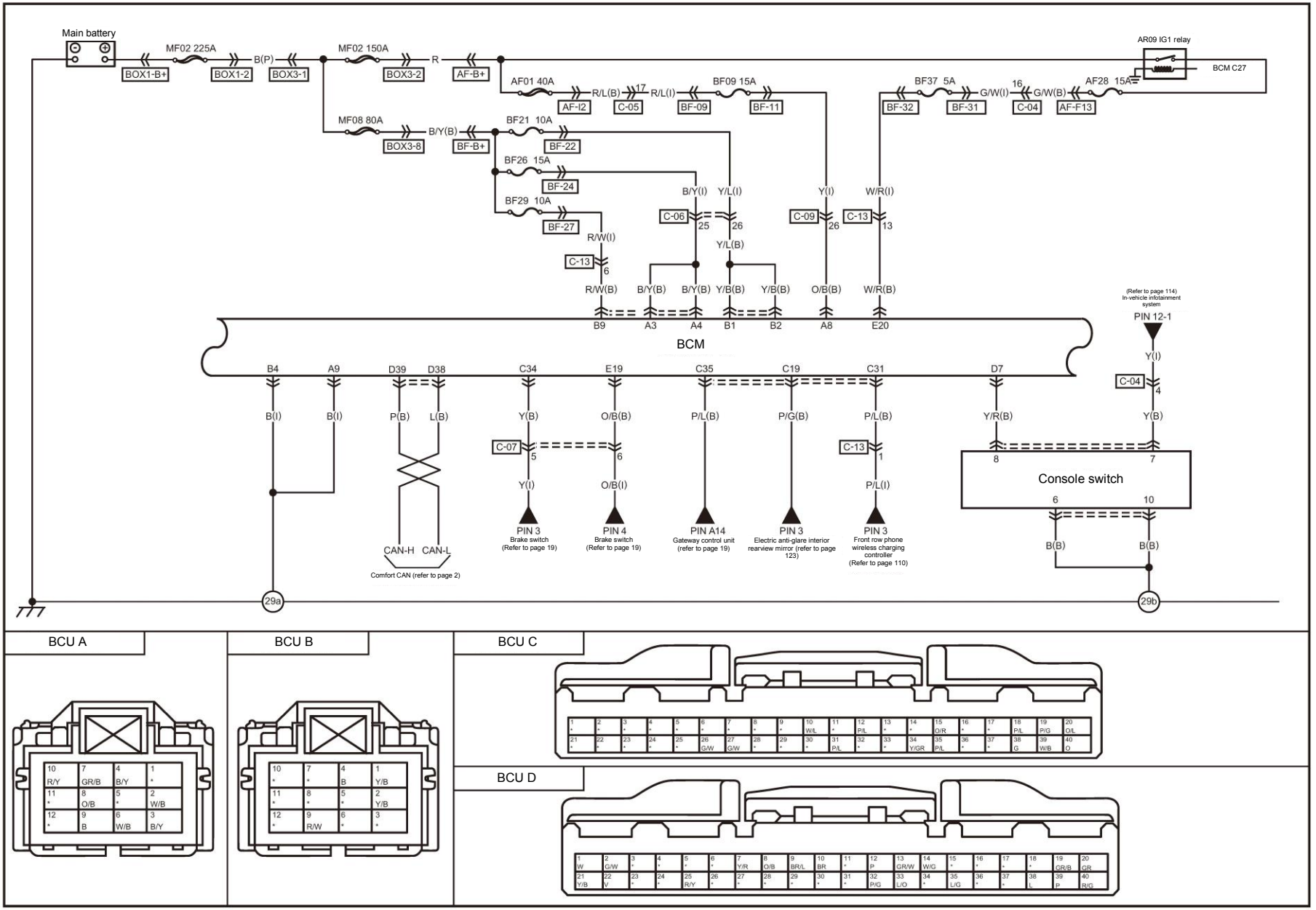
Ambient lamp-base

BO-CS-2



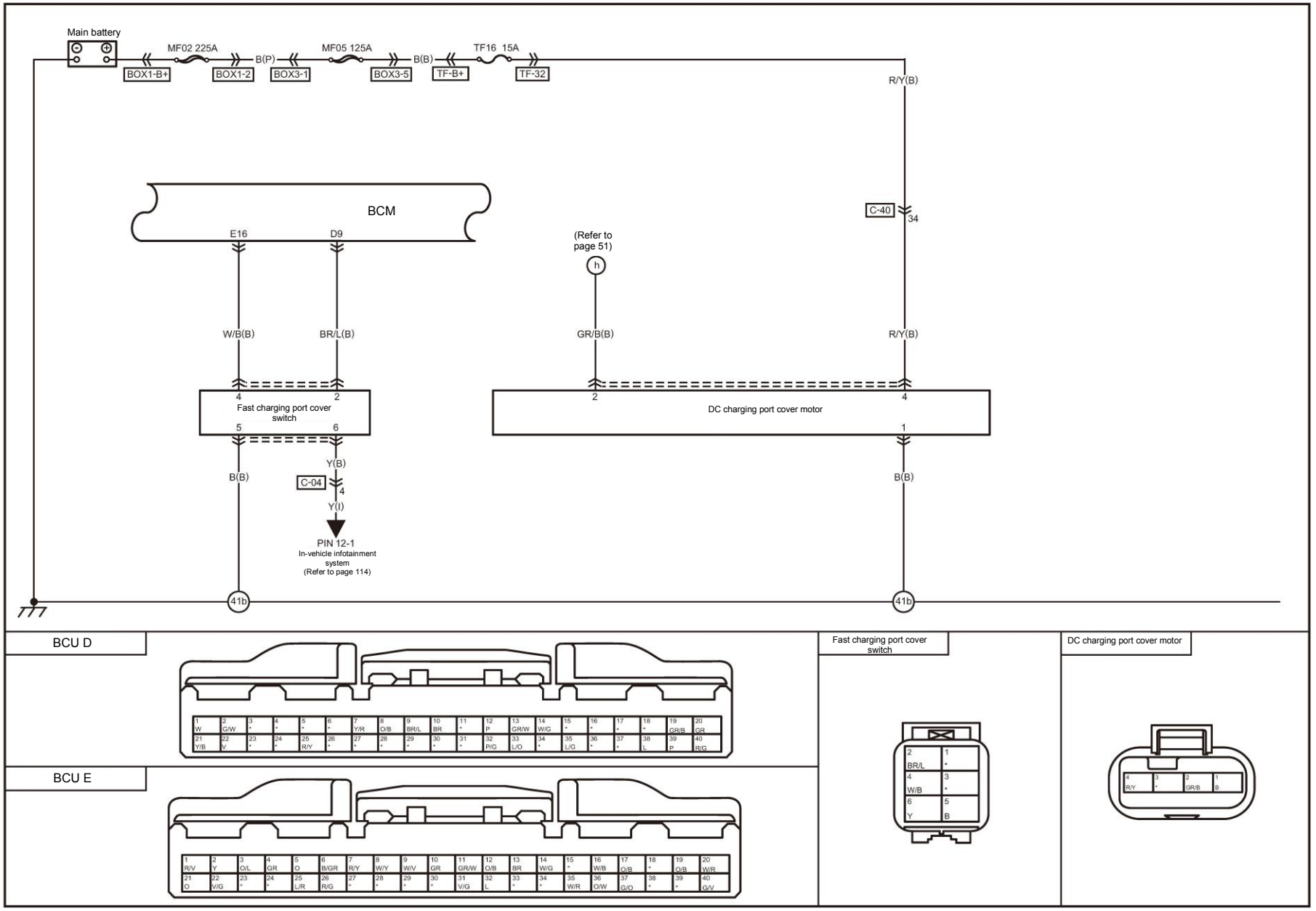
BCM

BO-BCM-1a


Main battery
MF02 225A
BOX1-B+
BOX1-2
B(P)
BOX3-1
MF02 150A
BOX3-2
R
AF-B+
AR09 IG1 relay
BCM C27
AF01 40A
AF-I2
R/L(B)
C-05
17
R/L(I)
BF09 15A
BF-09
BF-11
BF37 5A
BF-32
BF-31
G/W(I)
16
C-04
G/W(B)
AF28 15A
AF-F13
MF08 80A
BOX3-8
B/Y(B)
BF-B+
BF21 10A
BF-22
BF26 15A
BF-24
BF29 10A
BF-27
R/W(I)
C-13
6
B/Y(I)
Y/L(I)
C-06
25
26
Y/L(B)
Y(I)
C-09
26
W/R(I)
C-13
13
R/W(B)
B/Y(B)
B/Y(B)
Y/B(B)
Y/B(B)
O/B(B)
W/R(B)
B9
A3
A4
B1
B2
A8
E20
BCM
(Refer to page 114)
In-vehicle infotainment system
PIN 12-1
Y(I)
C-04
4
Y(B)
B4
A9
D39
D38
C34
E19
C35
C19
C31
D7
B(I)
B(I)
P(B)
L(B)
Y(B)
O/B(B)
P/L(B)
P/G(B)
P/L(B)
Y/R(B)
C-07
5
6
C-13
1
8
7
Console switch
6
10
Y(I)
O/B(I)
P/L(I)
PIN 3
Brake switch
(Refer to page 19)
PIN 4
Brake switch
(Refer to page 19)
PIN A14
Gateway control unit
(refer to page 19)
PIN 3
Electric anti-glare interior rearview mirror (refer to page 123)
PIN 3
Front row phone wireless charging controller
(Refer to page 110)
B(B)
B(B)
CAN-H
CAN-L
Comfort CAN (refer to page 2)
29a
29b
BCU A
BCU B
BCU C
BCU D

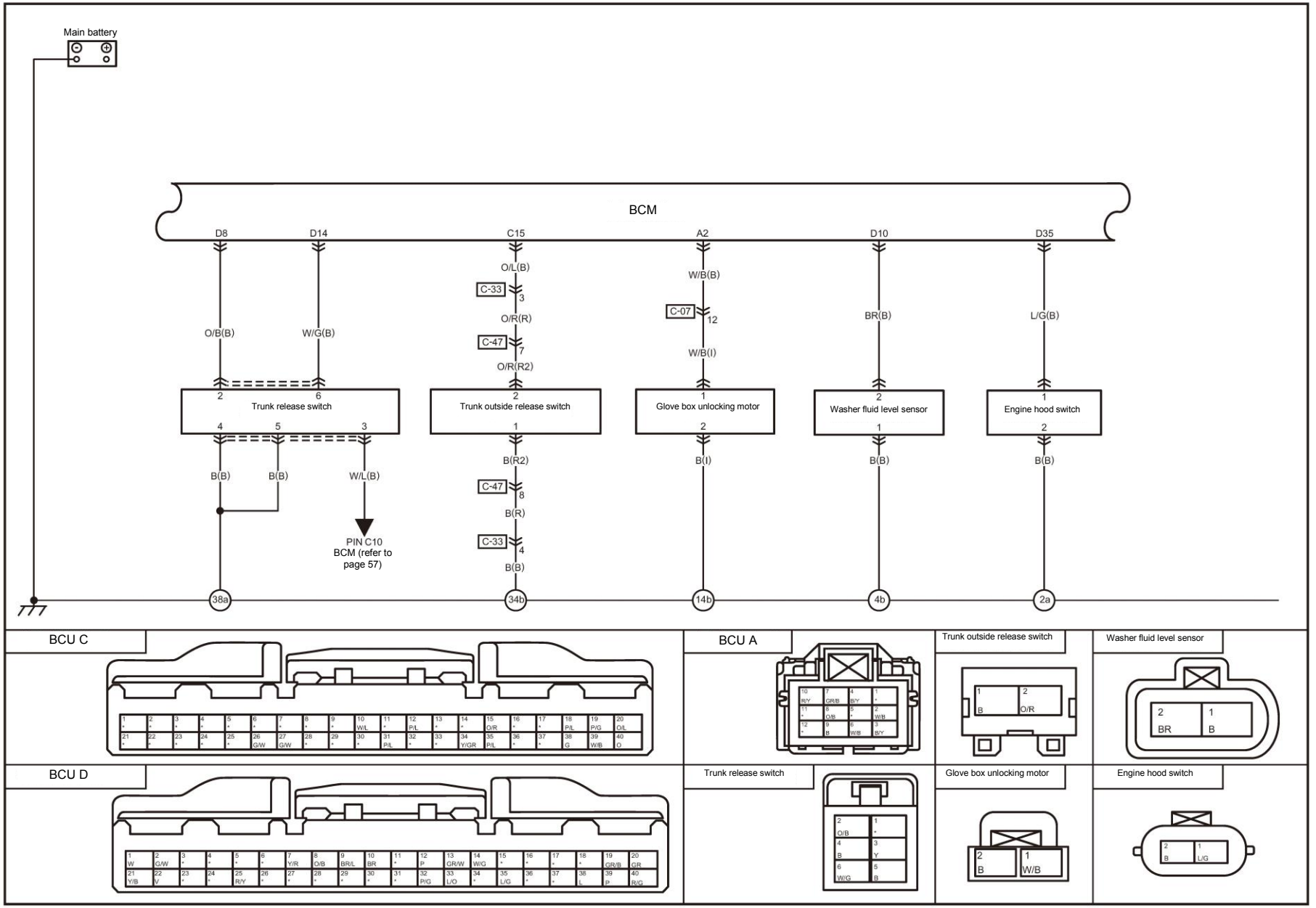
BCM

BO-BCM-1b


Main battery
MF02 225A
MF05 125A
TF16 15A
B(P)
B(B)
BOX1-B+
BOX1-2
BOX3-1
BOX3-5
TF-B+
TF-32
R/Y(B)
BCM
E16
D9
(Refer to page 51)
h
C-40
34
W/B(B)
BR/L(B)
GR/B(B)
R/Y(B)
4
2
Fast charging port cover switch
5
6
2
4
DC charging port cover motor
1
Y(B)
B(B)
C-04
4
Y(I)
PIN 12-1
In-vehicle infotainment system
(Refer to page 114)
41b
41b
BCU D
BCU E
Fast charging port cover switch
DC charging port cover motor

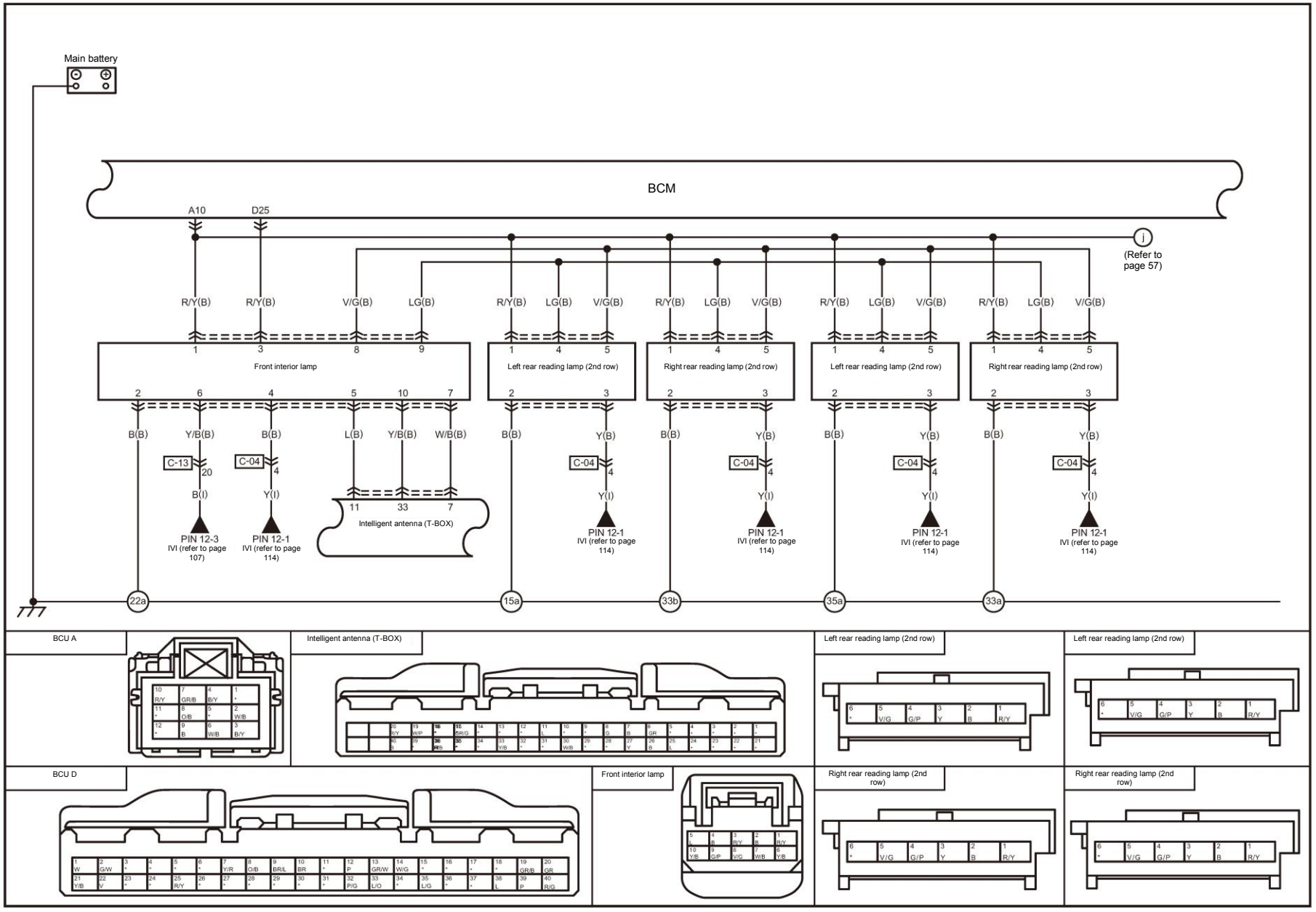
BCM

BO-BCM-1c


Main battery
BCM
D8
D14
C15
A2
D10
D35
O/L(B)
C-33
3
O/R(R)
C-47
7
O/R(R2)
W/B(B)
C-07
12
W/B(I)
BR(B)
L/G(B)
O/B(B)
W/G(B)
2
6
Trunk release switch
4
5
3
B(B)
B(B)
W/L(B)
PIN C10
BCM (refer to page 57)
2
2
Trunk outside release switch
1
B(R2)
C-47
8
B(R)
C-33
4
B(B)
1
Glove box unlocking motor
2
B(I)
2
Washer fluid level sensor
1
B(B)
1
Engine hood switch
2
B(B)
38a
34b
14b
4b
2a
BCU C
BCU A
Trunk outside release switch
Washer fluid level sensor
BCU D
Trunk release switch
Glove box unlocking motor
Engine hood switch

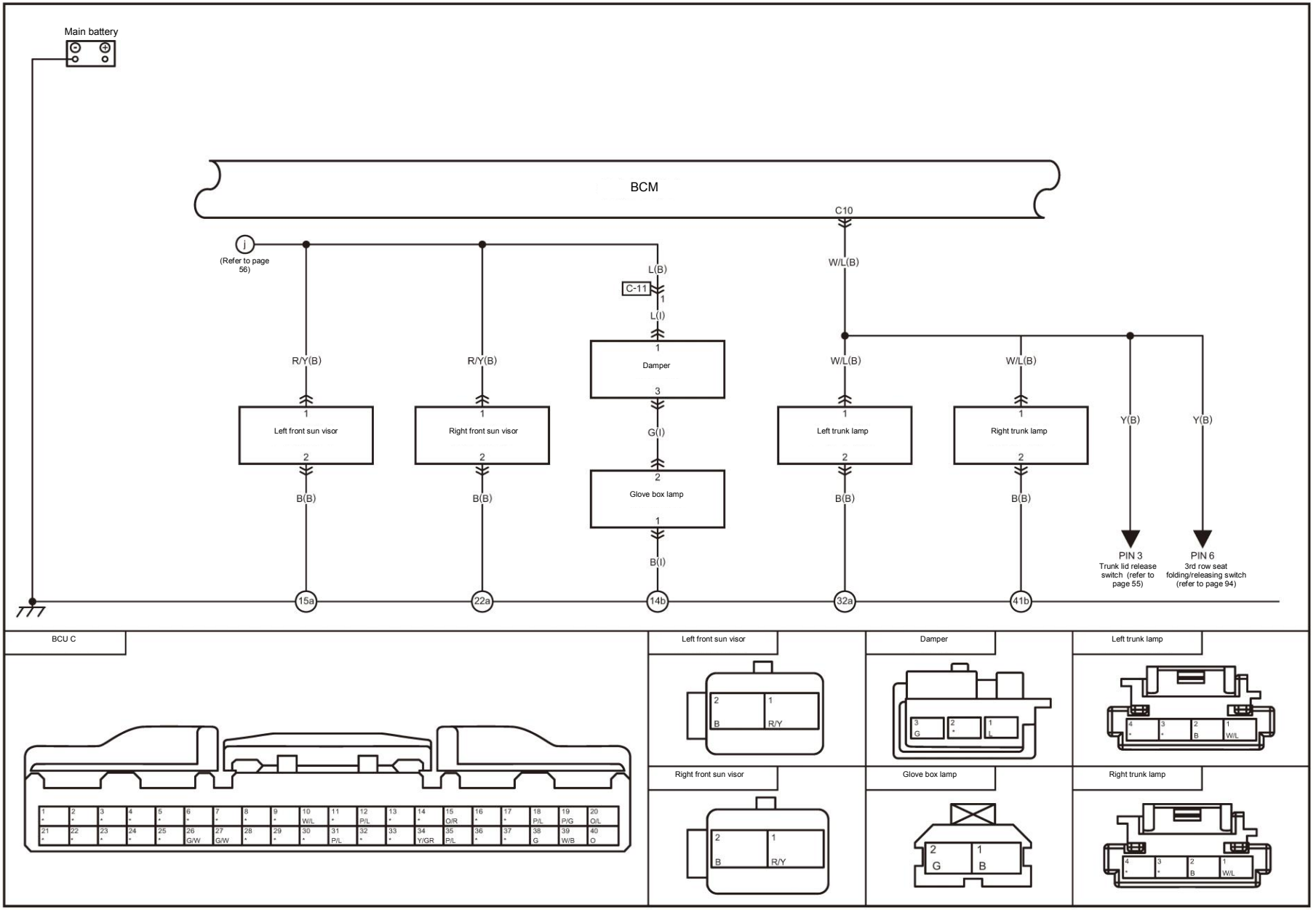
BCM

BO-BCM-1d


Main battery
BCM
A10
D25
(Refer to page 57)
R/Y(B)
V/G(B)
LG(B)
Front interior lamp
Left rear reading lamp (2nd row)
Right rear reading lamp (2nd row)
B(B)
Y/B(B)
W/B(B)
L(B)
Y(B)
C-13
C-04
B(I)
Y(I)
PIN 12-3
IVI (refer to page 107)
PIN 12-1
IVI (refer to page 114)
Intelligent antenna (T-BOX)
22a
15a
33b
35a
33a
BCU A
Intelligent antenna (T-BOX)
Left rear reading lamp (2nd row)
BCU D
Front interior lamp
Right rear reading lamp (2nd row)

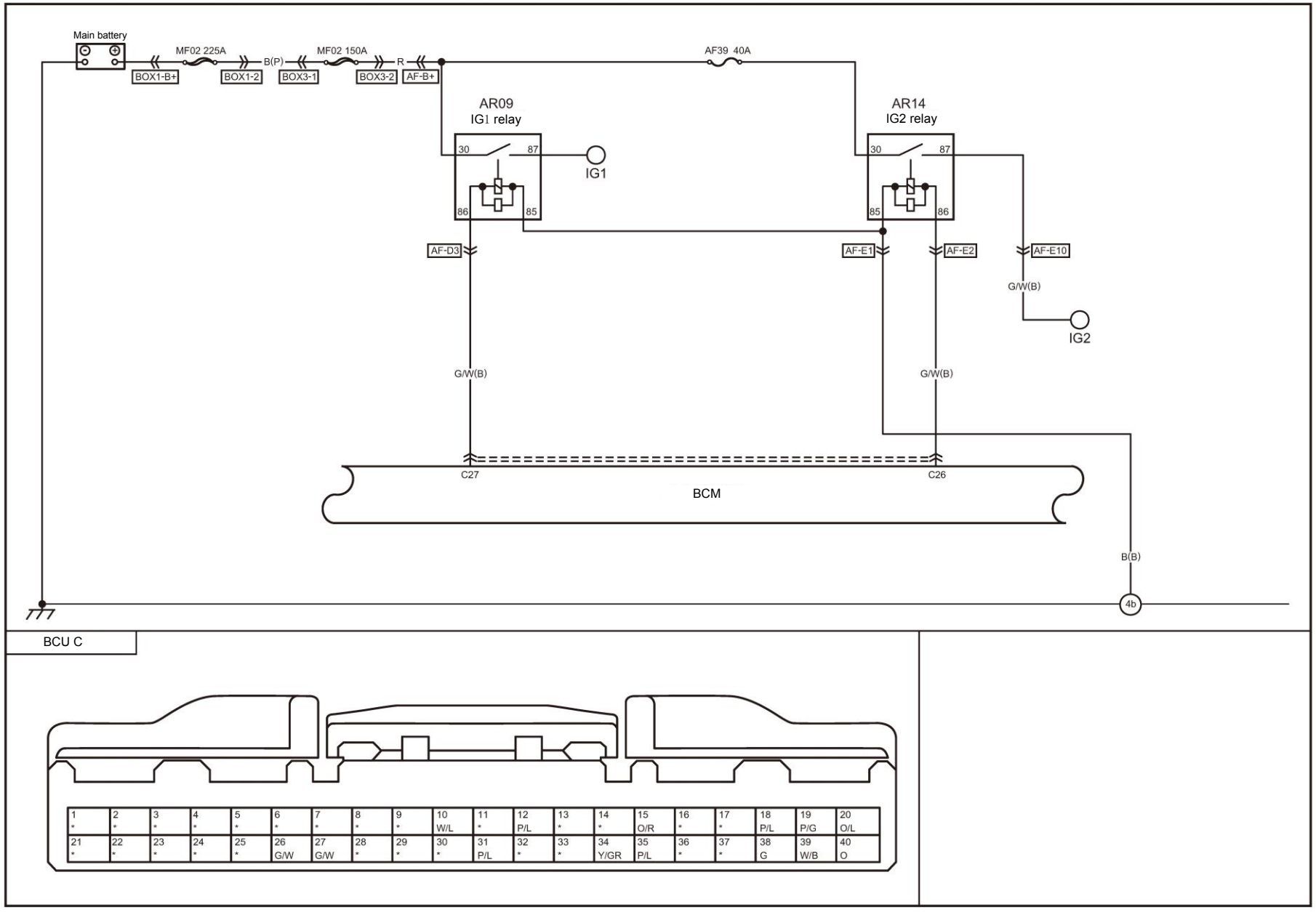
BCM

BO-BCM-1e


Main battery
BCM
C10
(Refer to page 56)
L(B)
C-11
1
L(I)
W/L(B)
R/Y(B)
R/Y(B)
Damper
W/L(B)
W/L(B)
3
G(I)
Left front sun visor
Right front sun visor
Left trunk lamp
Right trunk lamp
Y(B)
Y(B)
2
Glove box lamp
B(B)
B(B)
B(B)
B(B)
B(I)
PIN 3
Trunk lid release switch (refer to page 55)
PIN 6
3rd row seat folding/releasing switch (refer to page 94)
15a
22a
14b
32a
41b
BCU C
Left front sun visor
Damper
Left trunk lamp
Right front sun visor
Glove box lamp
Right trunk lamp
R/Y
G
B
W/L

BCM

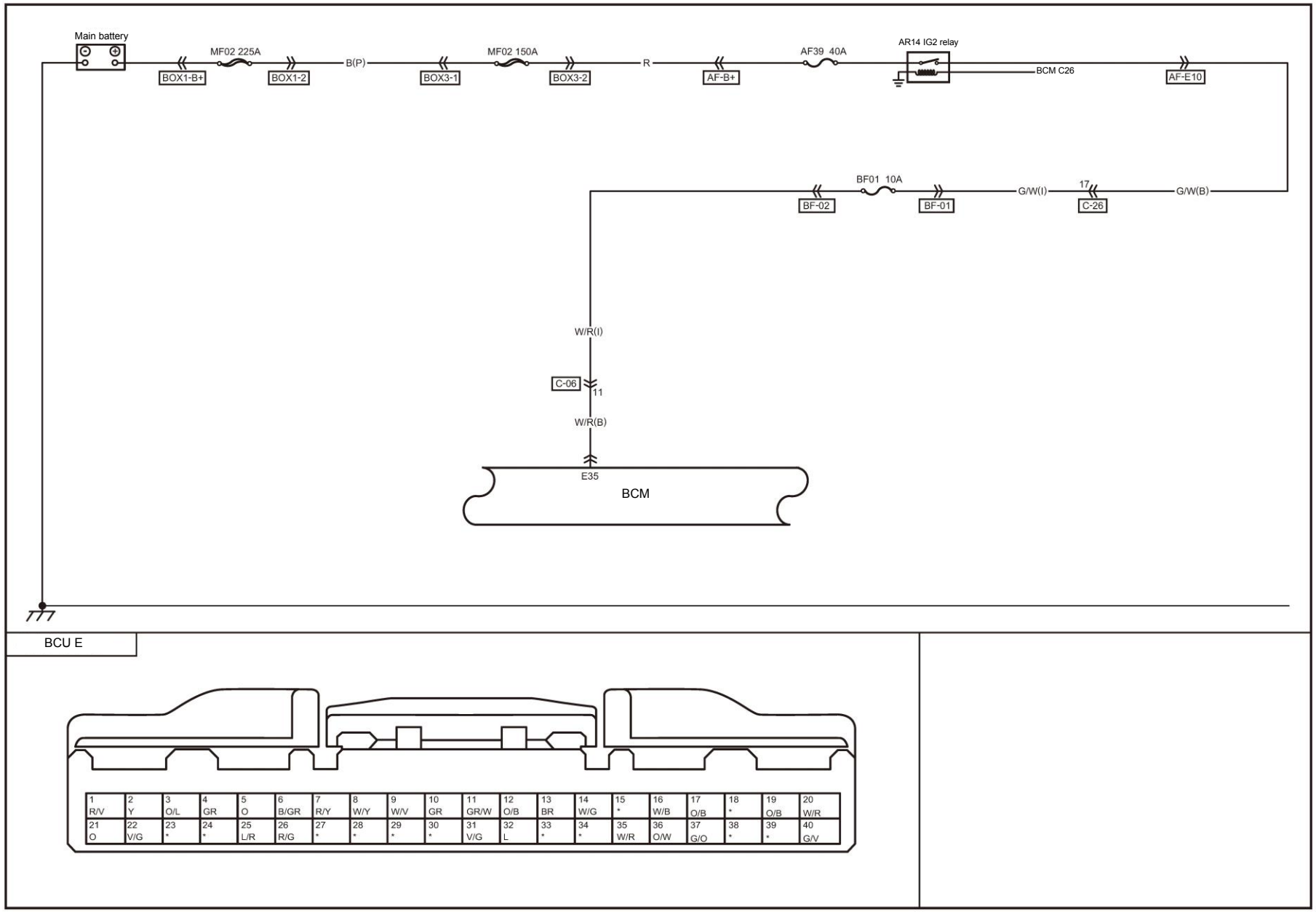
BO-BCM-1f



1 *	2 *	3 *	4 *	5 *	6 *	7 *	8 *	9 *	10 W/L	11 *	12 P/L	13 *	14 *	15 O/R	16 *	17 *	18 P/L	19 P/G	20 O/L
21 *	22 *	23 *	24 *	25 *	26 G/W	27 G/W	28 *	29 *	30 *	31 P/L	32 *	33 *	34 Y/GR	35 P/L	36 *	37 *	38 G	39 W/B	40 O

BCM

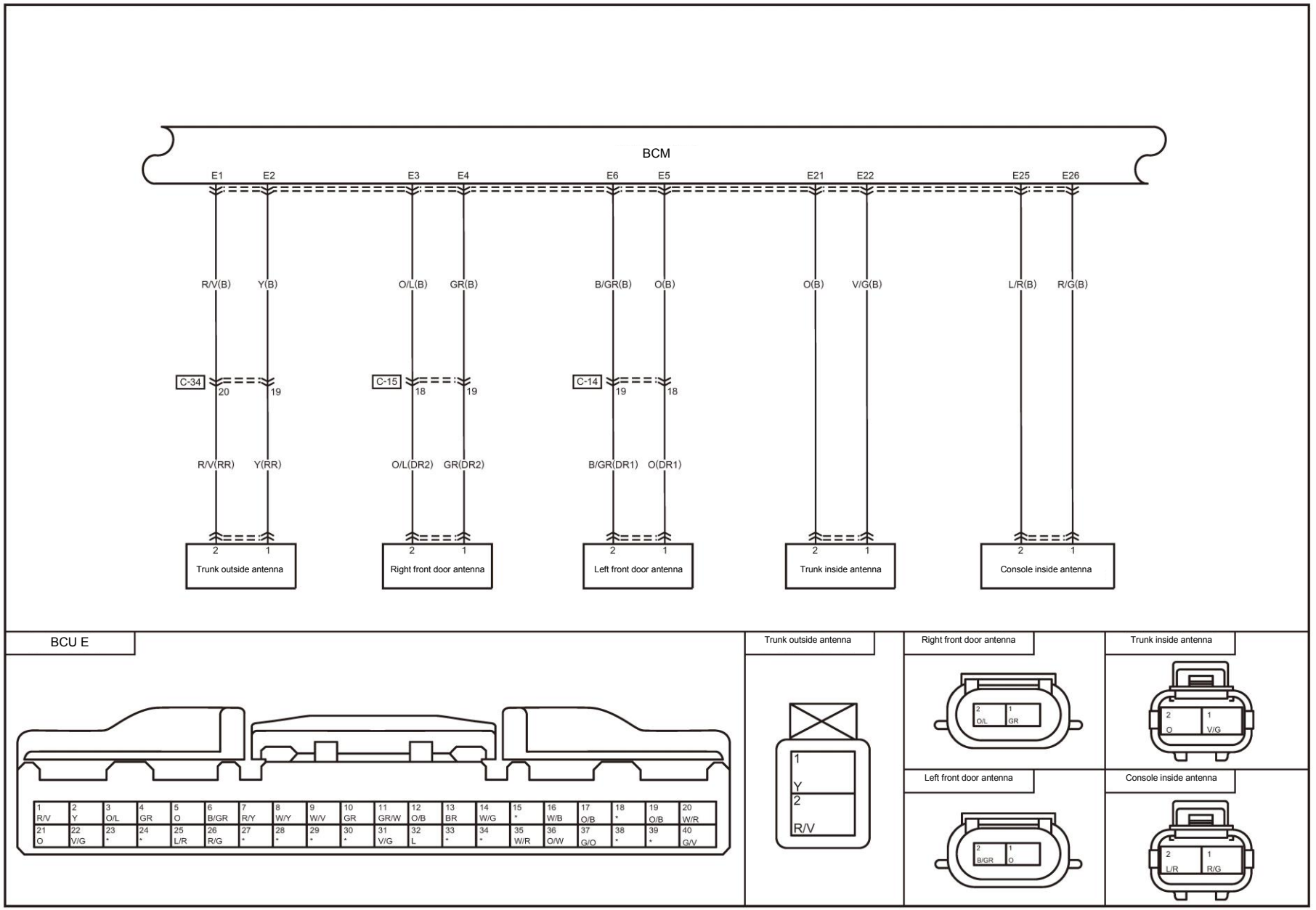
BO-BCM-1g



1 R/V	2 Y	3 O/L	4 GR	5 O	6 B/GR	7 R/Y	8 W/Y	9 W/V	10 GR	11 GR/W	12 O/B	13 BR	14 W/G	15 *	16 W/B	17 O/B	18 *	19 O/B	20 W/R
21 O	22 V/G	23 *	24 *	25 L/R	26 R/G	27 *	28 *	29 *	30 *	31 V/G	32 L	33 *	34 *	35 W/R	36 O/W	37 G/O	38 *	39 *	40 G/V

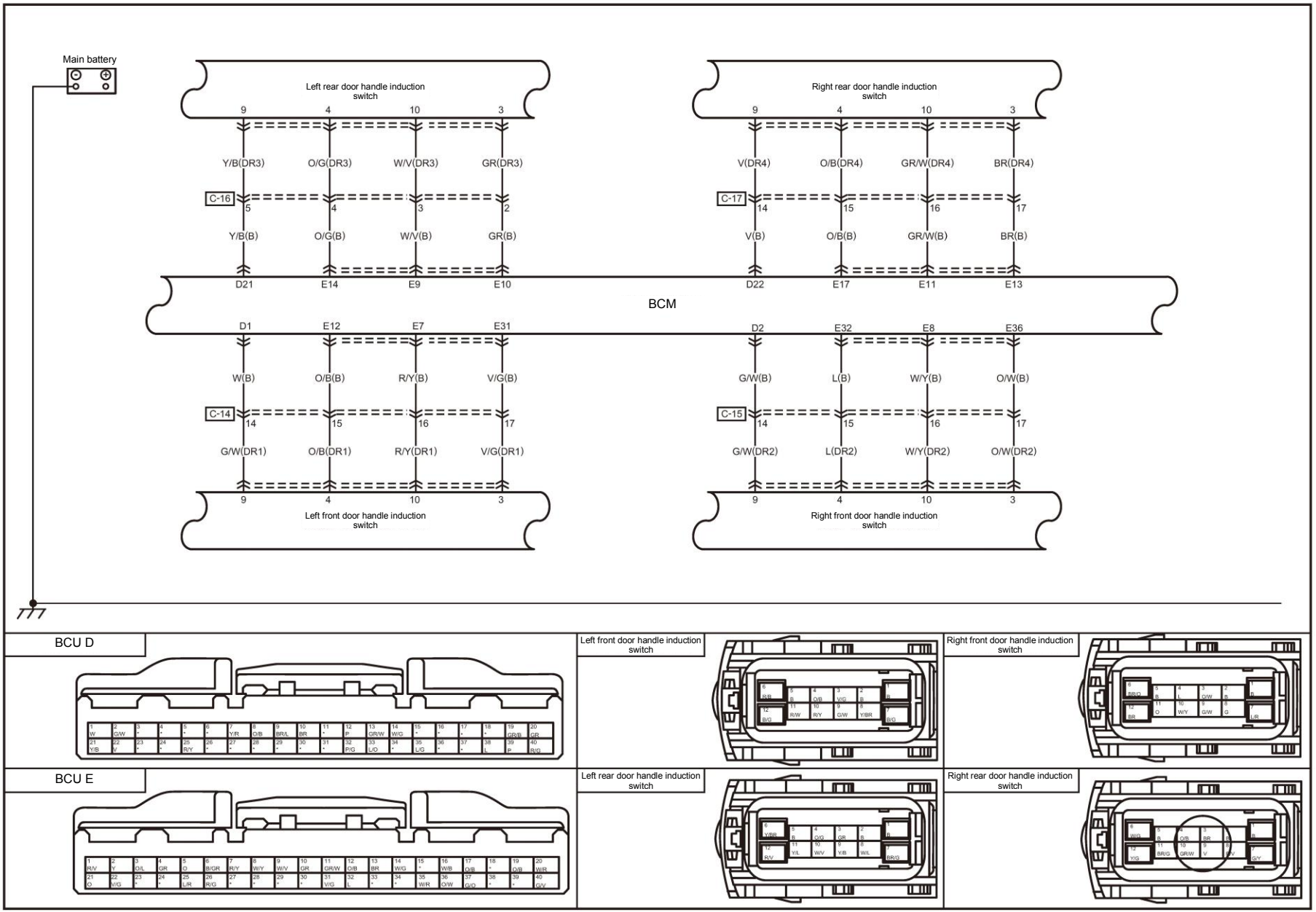
BCM

BO-BCM-1h


BCM
E1
E2
E3
E4
E6
E5
E21
E22
E25
E26
R/V(B)
Y(B)
O/L(B)
GR(B)
B/GR(B)
O(B)
O(B)
V/G(B)
L/R(B)
R/G(B)
C-34
20
19
C-15
18
19
C-14
19
18
R/V(RR)
Y(RR)
O/L(DR2)
GR(DR2)
B/GR(DR1)
O(DR1)
2
1
Trunk outside antenna
Right front door antenna
Left front door antenna
Trunk inside antenna
Console inside antenna
BCU E
1 R/V
2 Y
3 O/L
4 GR
5 O
6 B/GR
7 R/Y
8 W/Y
9 W/V
10 GR
11 GR/W
12 O/B
13 BR
14 W/G
15 *
16 W/B
17 O/B
18 *
19 O/B
20 W/R
21 O
22 V/G
23 *
24 *
25 L/R
26 R/G
27 *
28 *
29 *
30 *
31 V/G
32 L
33 *
34 *
35 W/R
36 O/W
37 G/O
38 *
39 *
40 G/V
Trunk outside antenna
1
Y
2
R/V
Right front door antenna
2 O/L
1 GR
Trunk inside antenna
2 O
1 V/G
Left front door antenna
2 B/GR
1 O
Console inside antenna
2 L/R
1 R/G

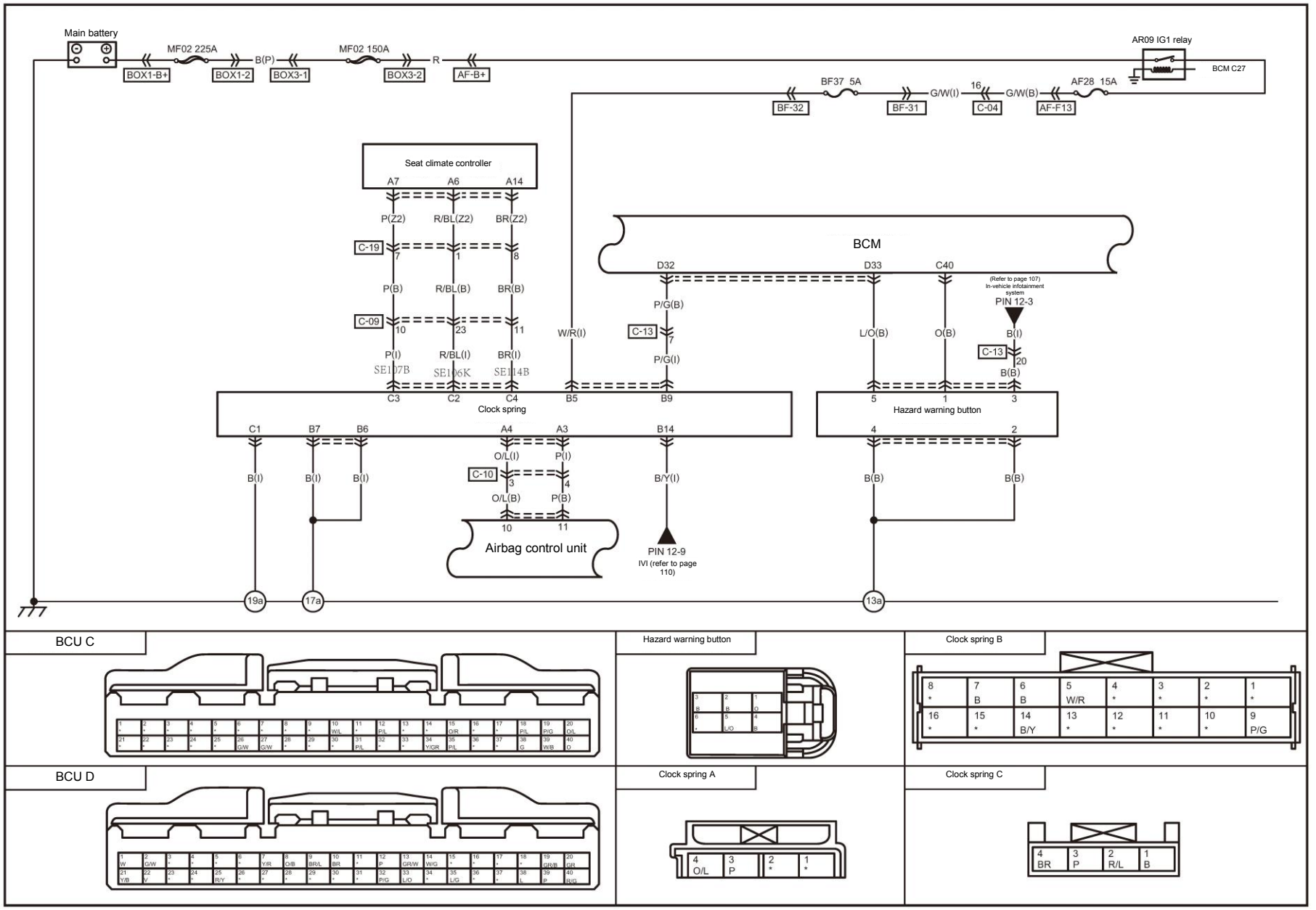
BCM

BO-BCM-1i


Main battery
Left rear door handle induction switch
Right rear door handle induction switch
9 4 10 3
Y/B(DR3) O/G(DR3) W/V(DR3) GR(DR3)
V(DR4) O/B(DR4) GR/W(DR4) BR(DR4)
C-16
5 4 3 2
C-17
14 15 16 17
Y/B(B) O/G(B) W/V(B) GR(B)
V(B) O/B(B) GR/W(B) BR(B)
D21 E14 E9 E10
D22 E17 E11 E13
BCM
D1 E12 E7 E31
D2 E32 E8 E36
W(B) O/B(B) R/Y(B) V/G(B)
G/W(B) L(B) W/Y(B) O/W(B)
C-14
14 15 16 17
C-15
14 15 16 17
G/W(DR1) O/B(DR1) R/Y(DR1) V/G(DR1)
G/W(DR2) L(DR2) W/Y(DR2) O/W(DR2)
9 4 10 3
Left front door handle induction switch
Right front door handle induction switch
BCU D
BCU E
Left front door handle induction switch
Right front door handle induction switch
Left rear door handle induction switch
Right rear door handle induction switch

BCM

BO-BCM-1j



BCU C

Hazard warning button

Clock spring B

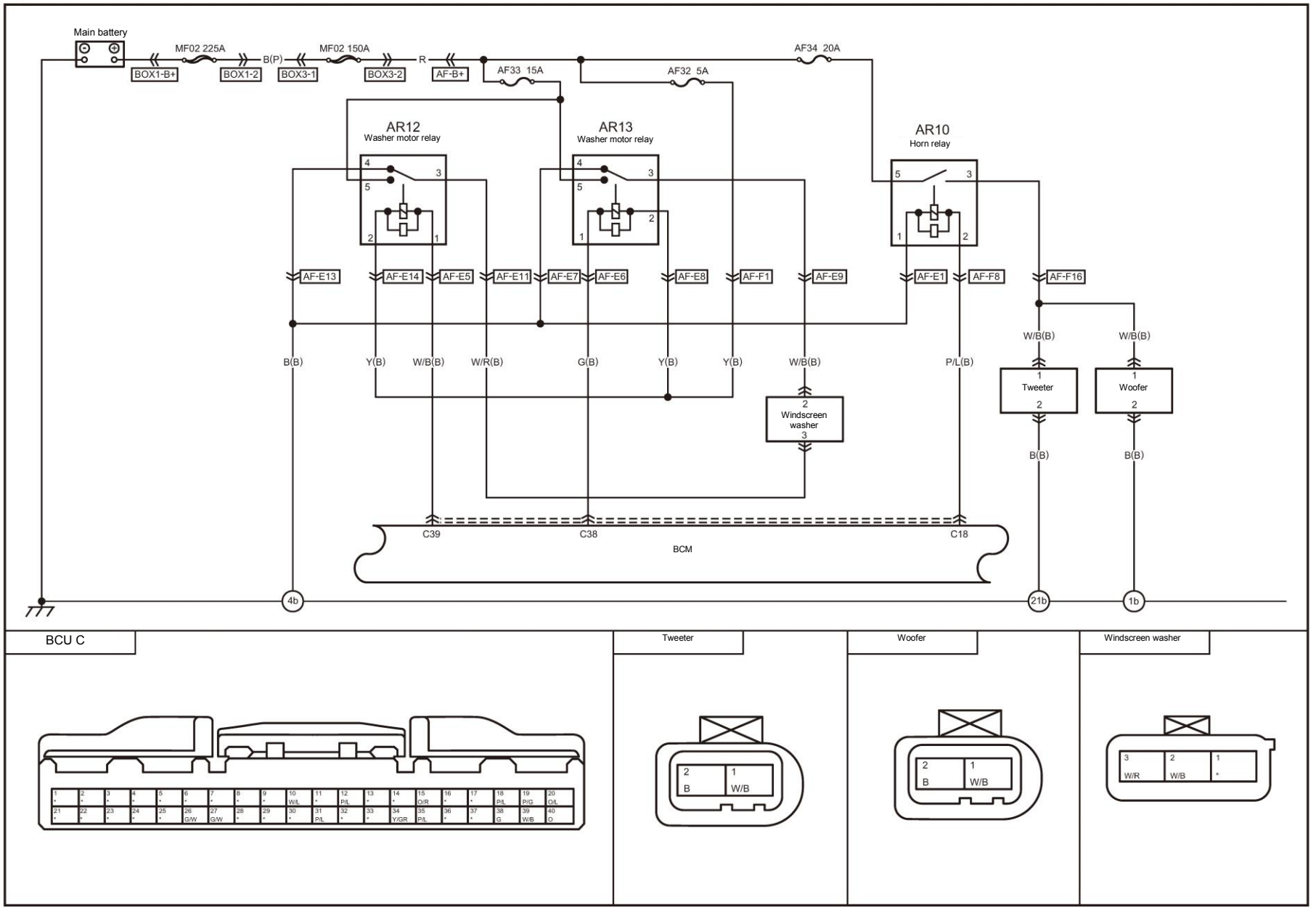
BCU D

Clock spring A

Clock spring C

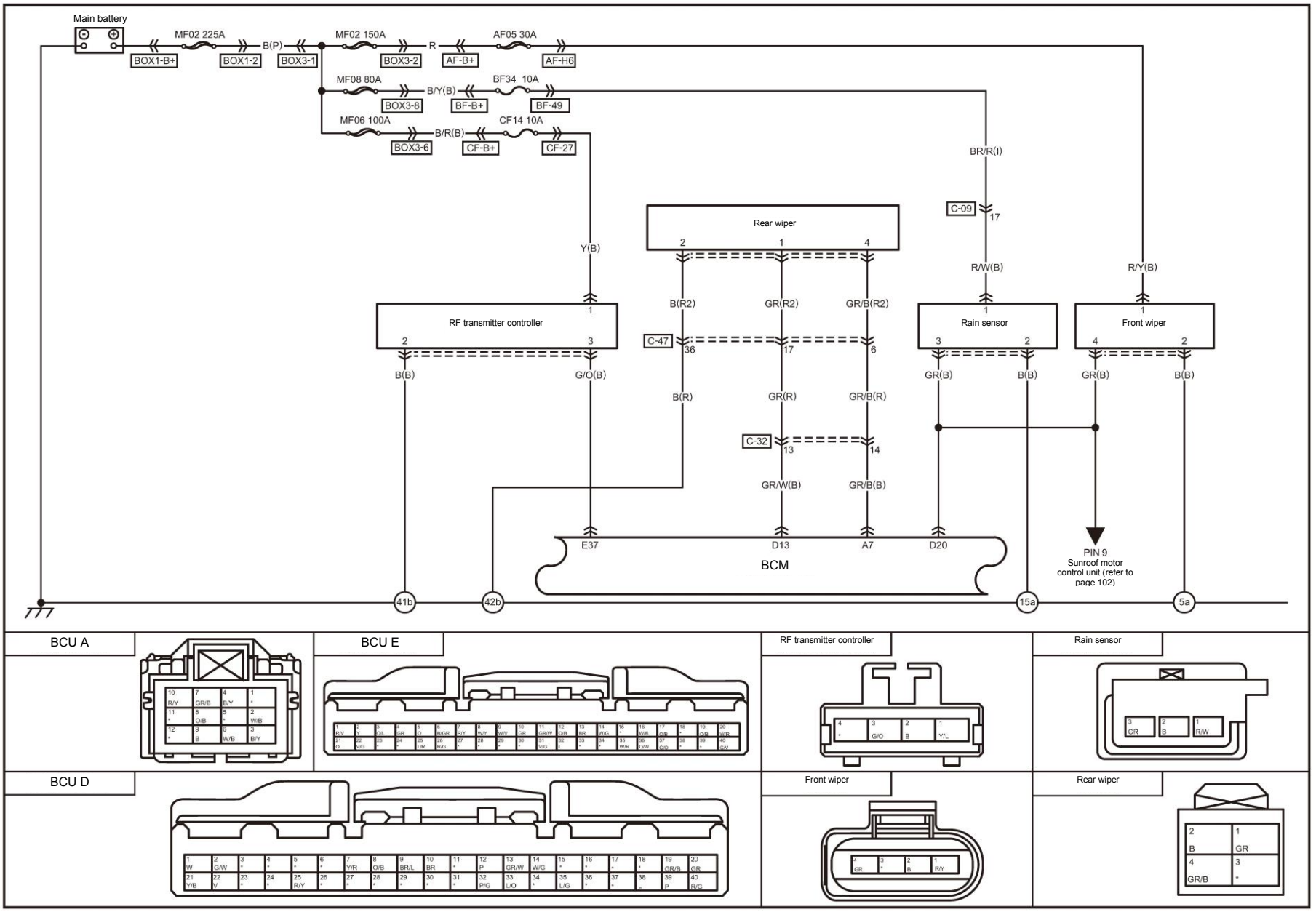
BCM

BO-BCM-1k


Main battery
MF02 225A
MF02 150A
B(P)
R
BOX1-B+
BOX1-2
BOX3-1
BOX3-2
AF-B+
AF33 15A
AF32 5A
AF34 20A
AR12
Washer motor relay
AR13
Washer motor relay
AR10
Horn relay
AF-E13
AF-E14
AF-E5
AF-E11
AF-E7
AF-E6
AF-E8
AF-F1
AF-E9
AF-E1
AF-F8
AF-F16
B(B)
Y(B)
W/B(B)
W/R(B)
G(B)
Y(B)
Y(B)
W/B(B)
P/L(B)
W/B(B)
W/B(B)
Tweeter
Woofer
Windscreen washer
B(B)
B(B)
C39
C38
C18
BCM
4b
21b
1b
BCU C
Tweeter
Woofer
Windscreen washer
W/B
W/B
W/R
W/B

BCM

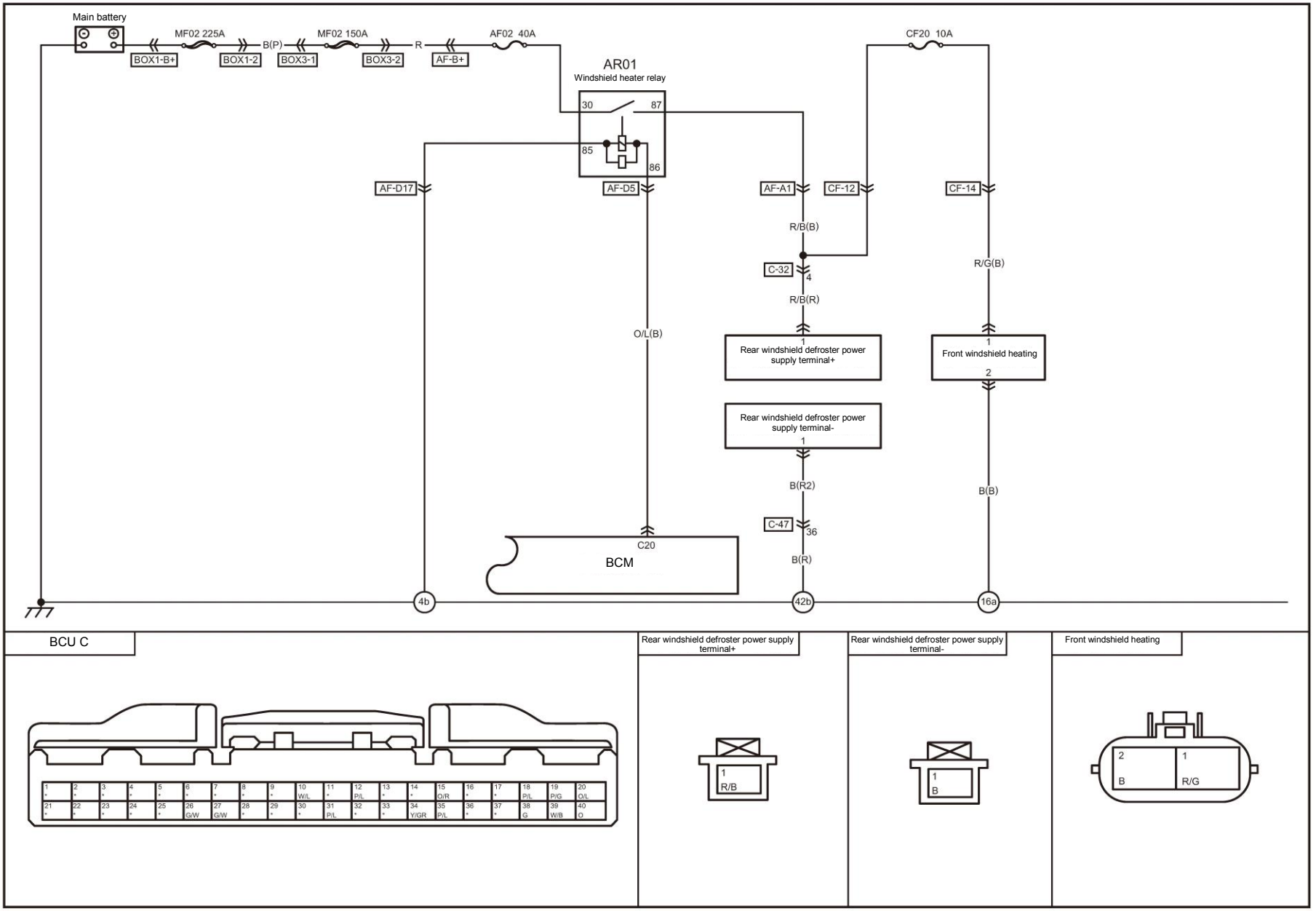
BO-BCM-1I


Main battery
MF02 225A
B(P)
MF02 150A
R
AF05 30A
BOX1-B+
BOX1-2
BOX3-1
BOX3-2
AF-B+
AF-H6
MF08 80A
B/Y(B)
BF34 10A
BOX3-8
BF-B+
BF-49
MF06 100A
B/R(B)
CF14 10A
BOX3-6
CF-B+
CF-27
BR/R(I)
C-09
17
Rear wiper
Y(B)
R/W(B)
R/Y(B)
RF transmitter controller
B(R2)
GR(R2)
GR/B(R2)
Rain sensor
Front wiper
C-47
36
17
6
B(B)
G/O(B)
GR(B)
B(B)
GR(B)
B(B)
B(R)
GR(R)
GR/B(R)
C-32
13
14
GR/W(B)
GR/B(B)
E37
D13
A7
D20
BCM
PIN 9
Sunroof motor
control unit (refer to
page 102)
41b
42b
15a
5a

BCU A
BCU E
RF transmitter controller
Rain sensor
BCU D
Front wiper
Rear wiper

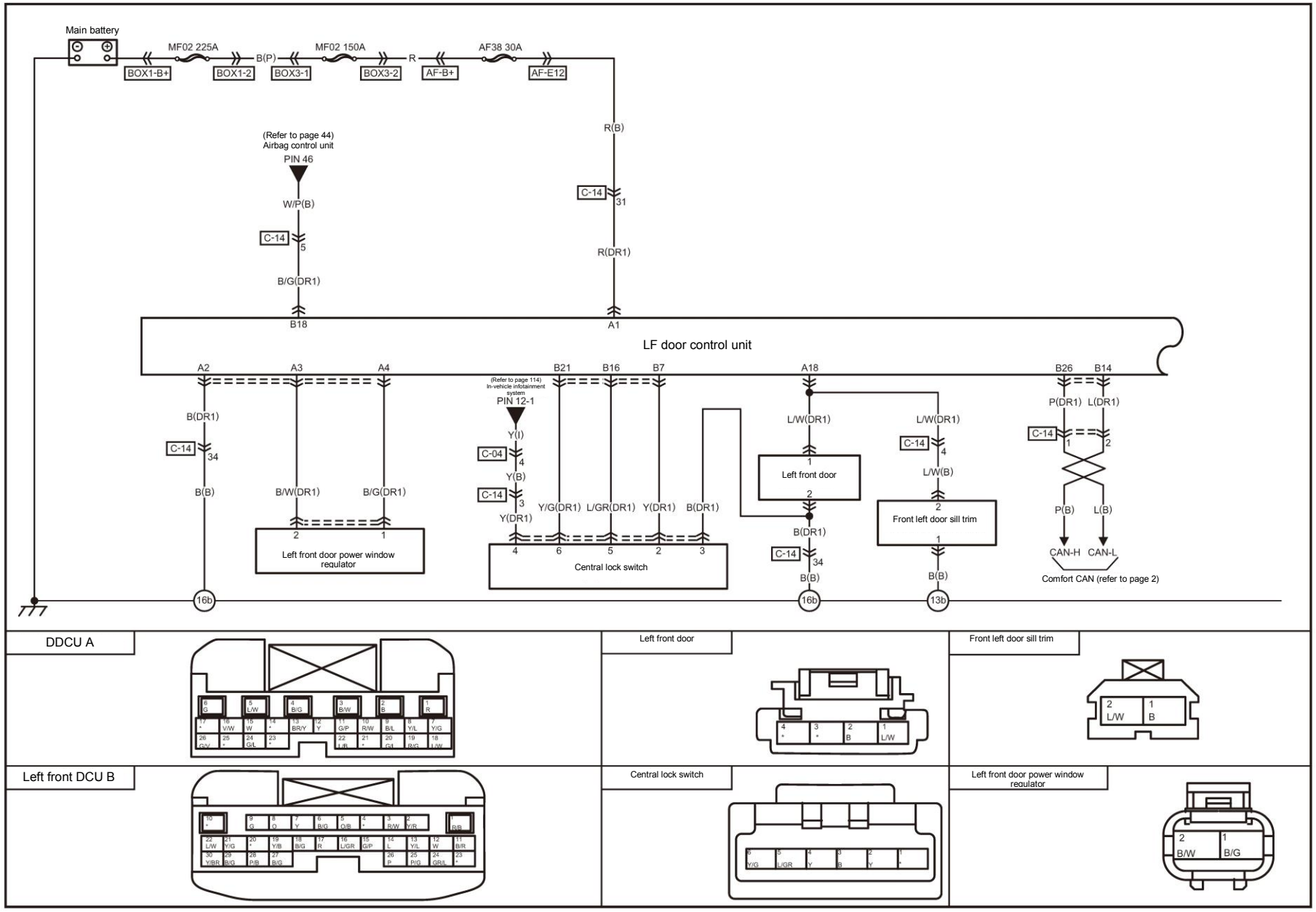
BCM

BO-BCM-1m


Main battery
MF02 225A
B(P)
MF02 150A
R
AF02 40A
BOX1-B+
BOX1-2
BOX3-1
BOX3-2
AF-B+
AR01
Windshield heater relay
30
87
85
86
CF20 10A
AF-D17
AF-D5
AF-A1
CF-12
CF-14
R/B(B)
C-32
4
R/G(B)
R/B(R)
O/L(B)
Rear windshield defroster power supply terminal+
1
Front windshield heating
2
Rear windshield defroster power supply terminal-
1
B(R2)
B(B)
C-47
36
C20
BCM
B(R)
4b
42b
16a
BCU C
Rear windshield defroster power supply terminal+
Rear windshield defroster power supply terminal-
Front windshield heating
1
R/B
1
B
2
B
1
R/G

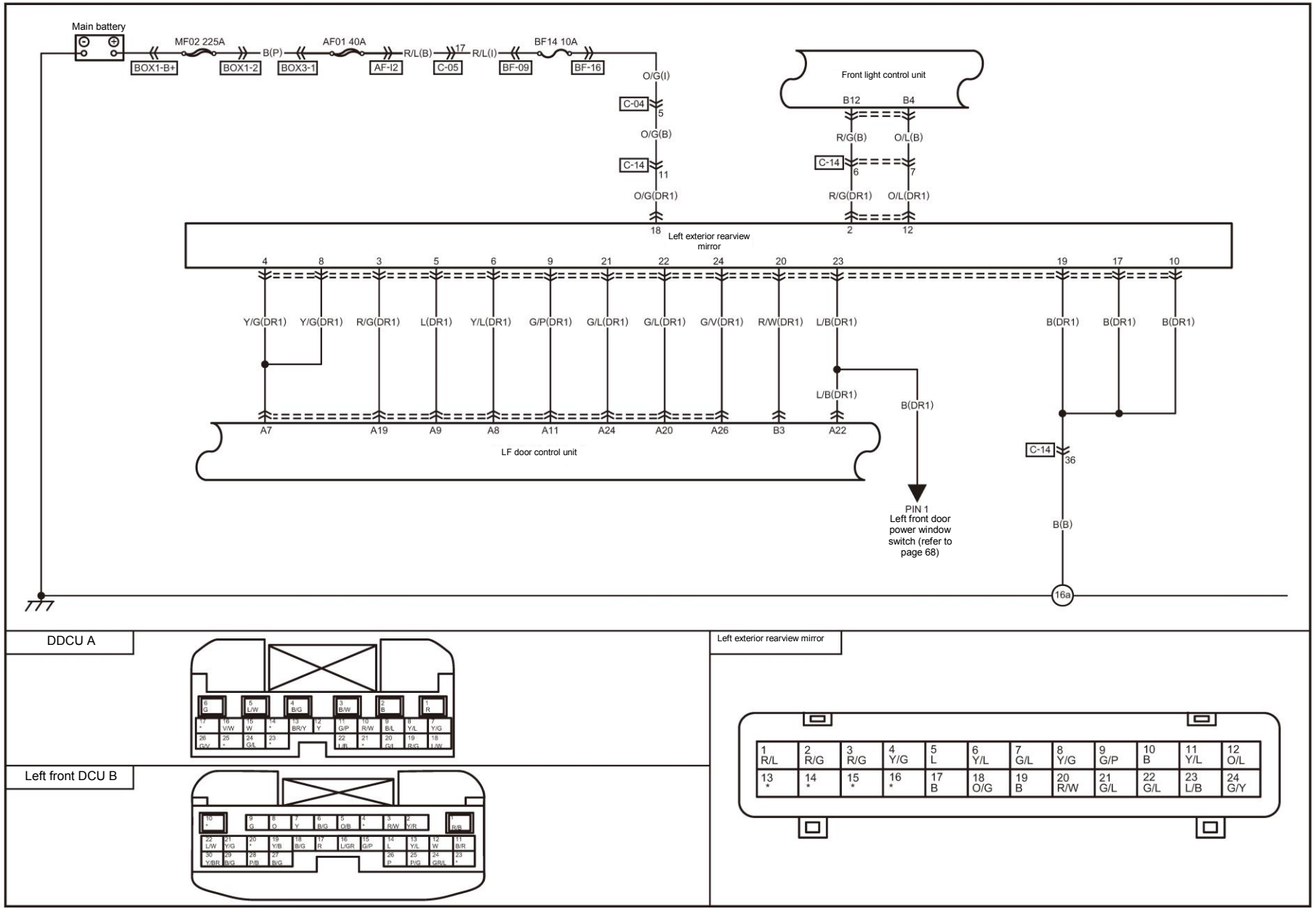
Door control system

BO-DL-1a



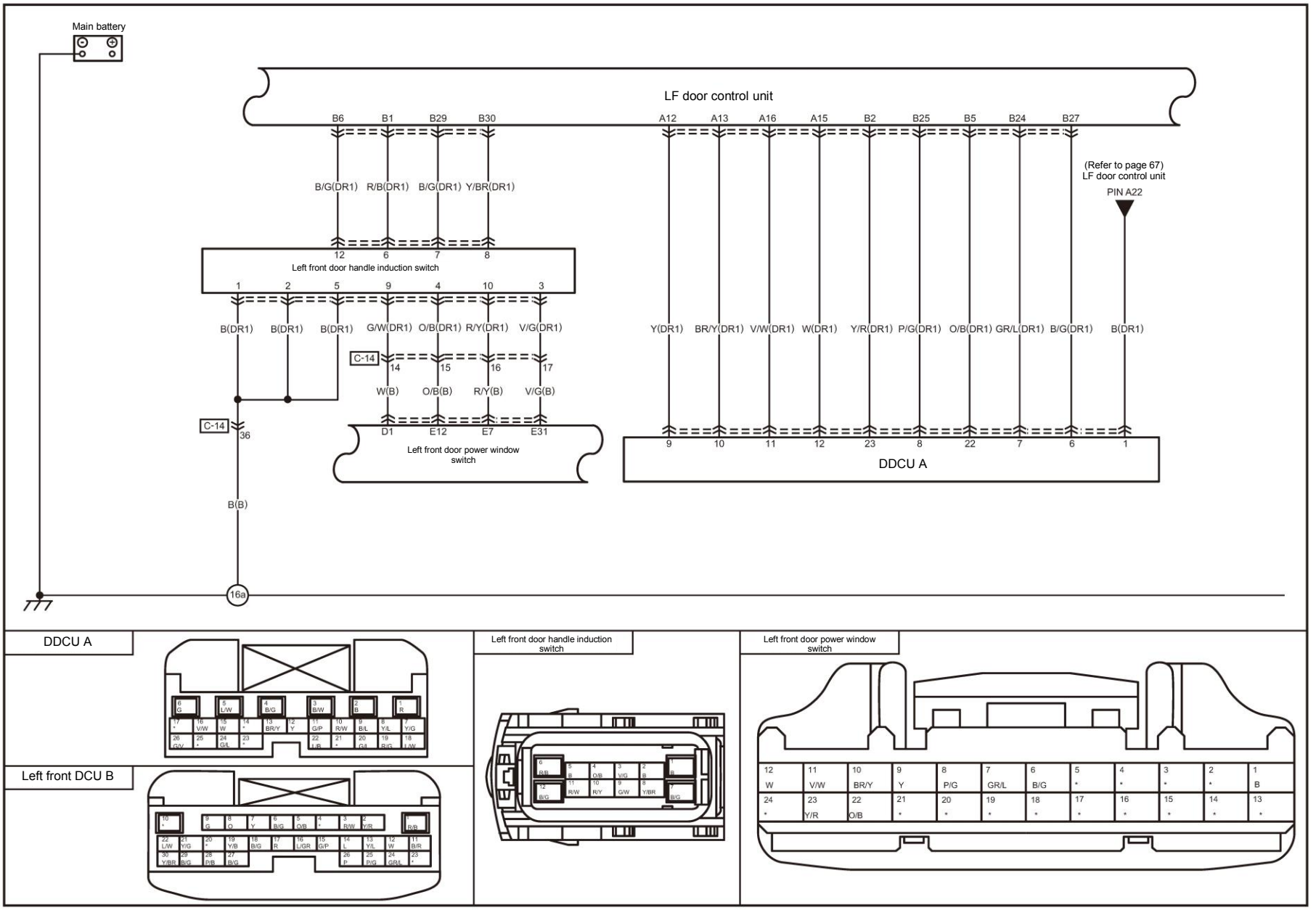
Door control system

BO-DL-1b



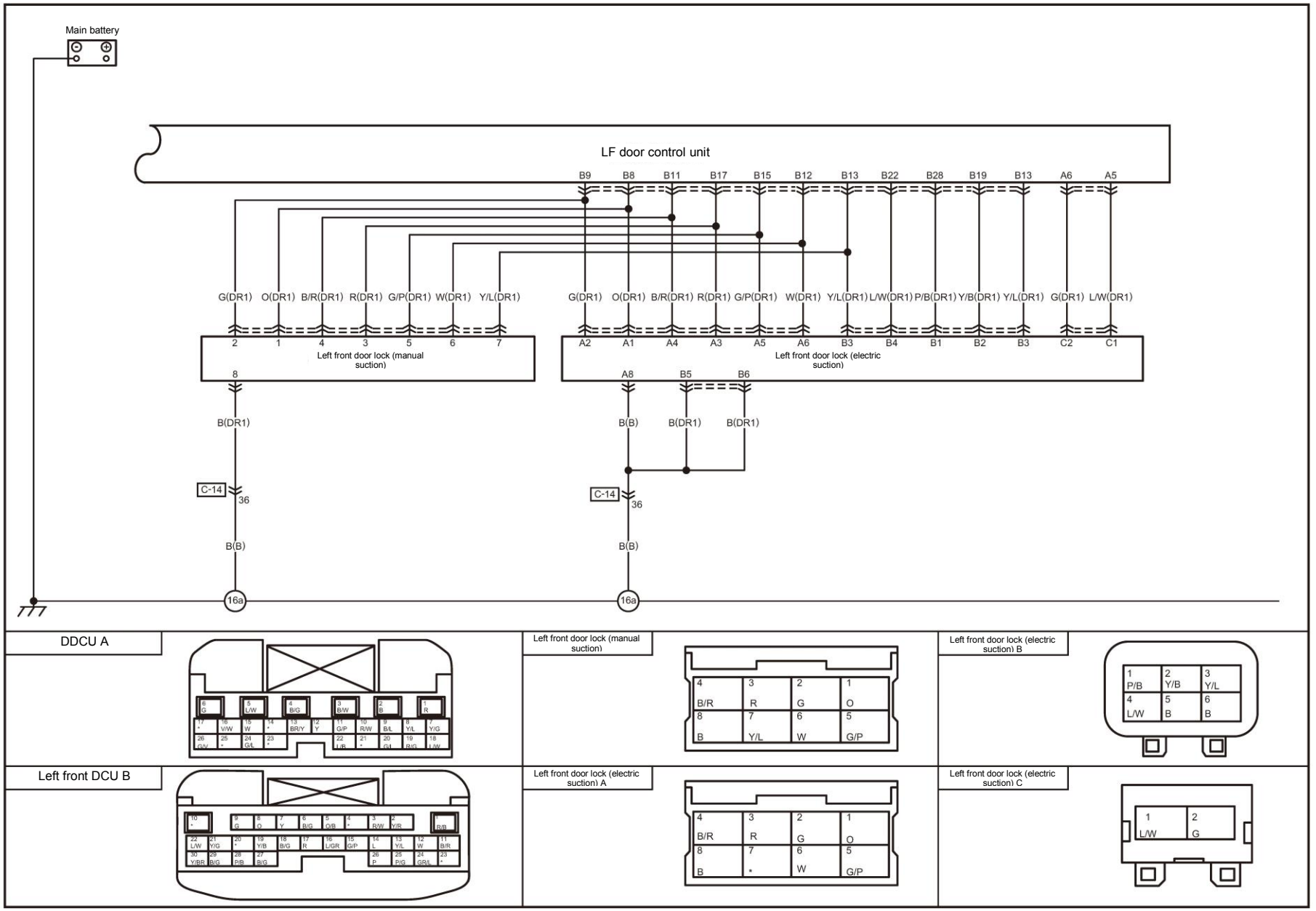
Door control system

BO-DL-1c



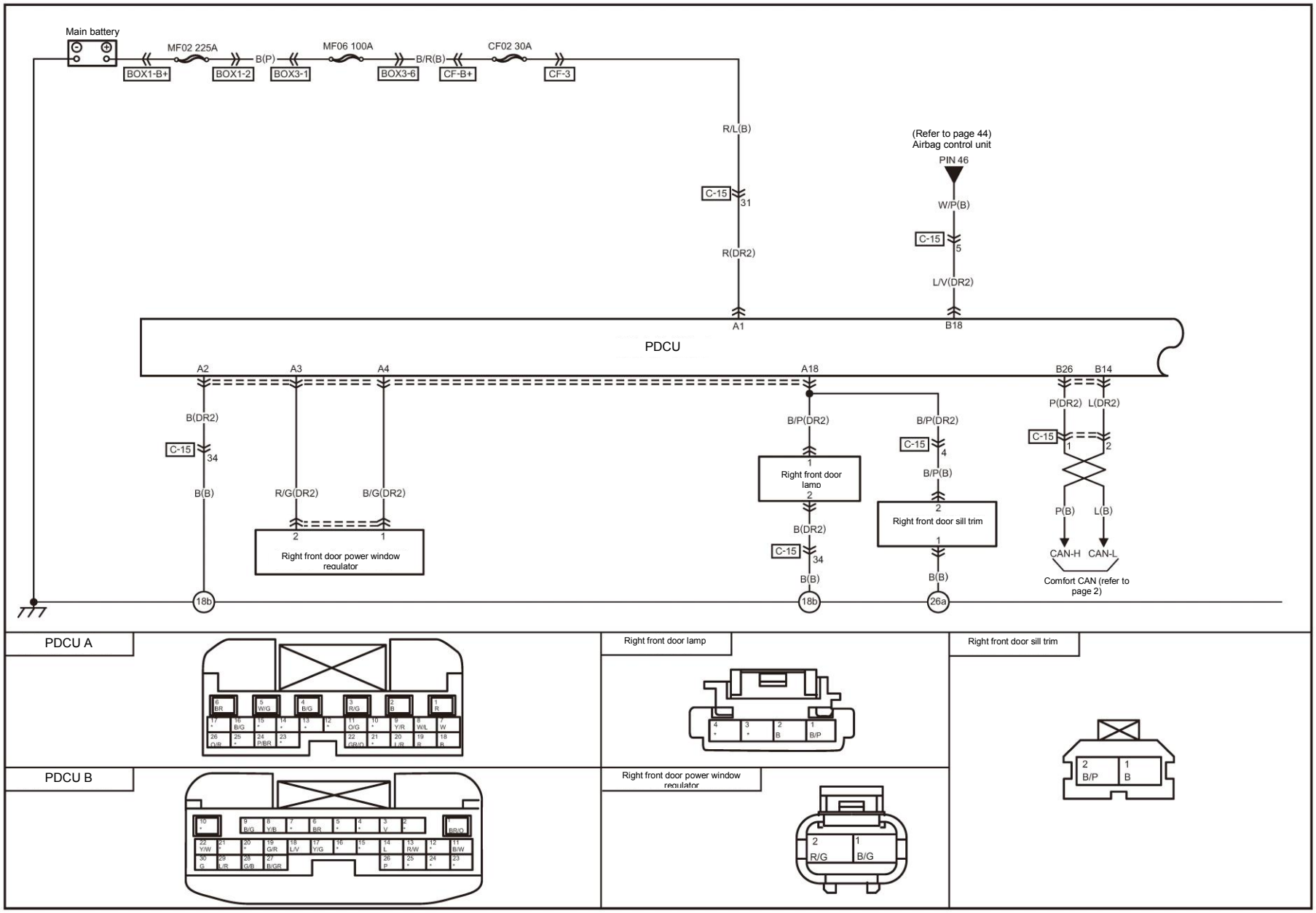
Door control system

BO-DL-1d



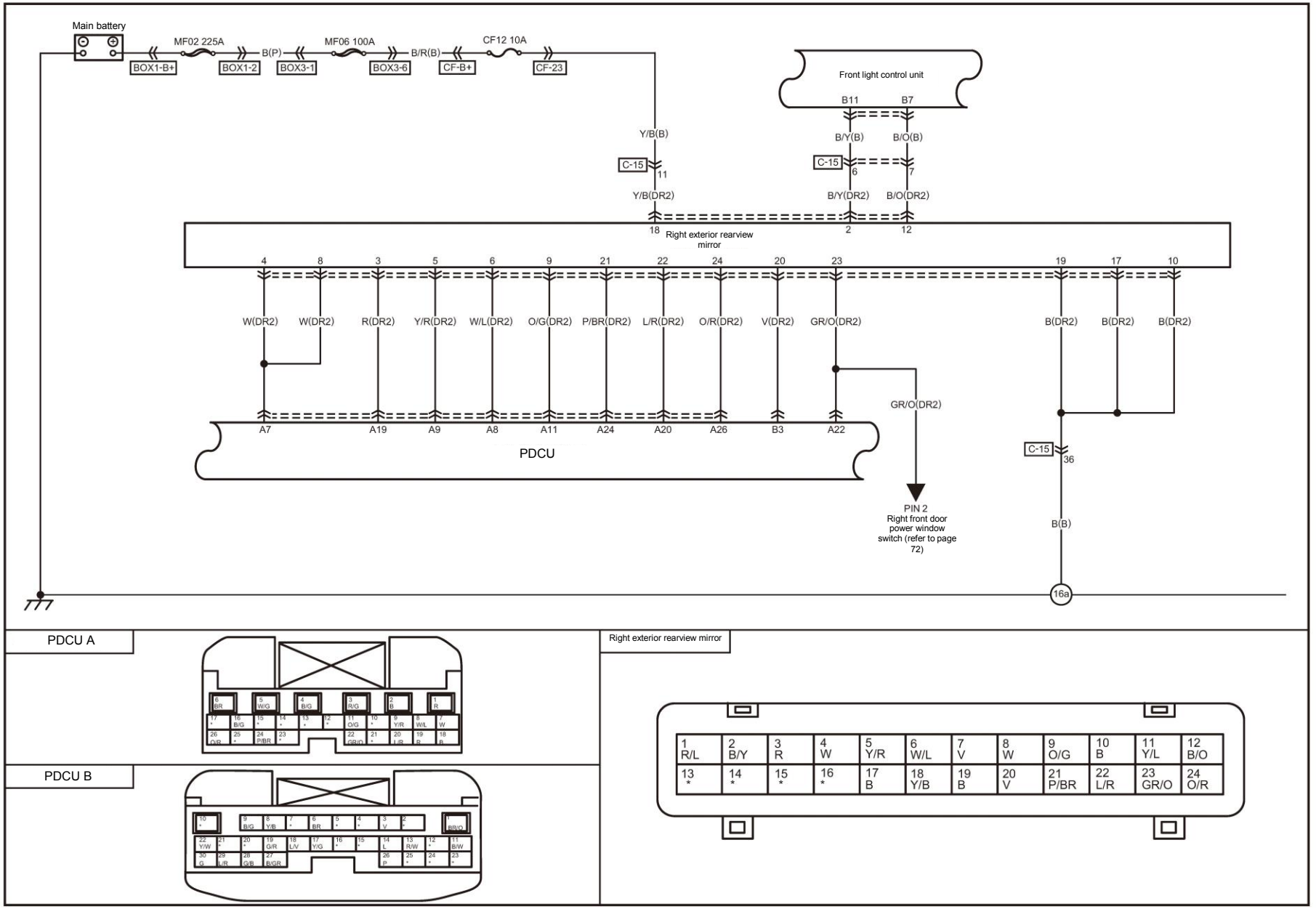
Door control system

BO-DL-2a



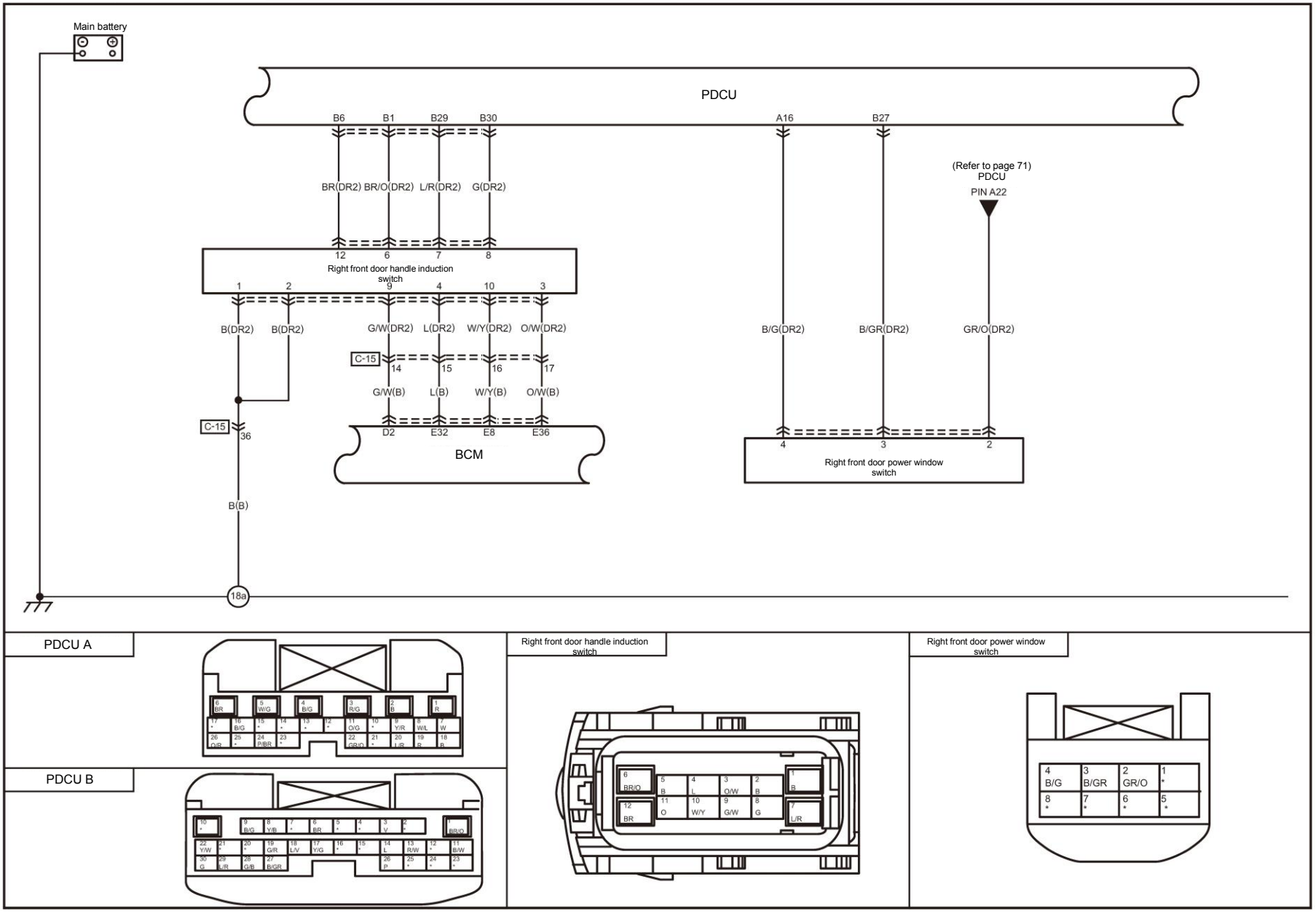
Door control system

BO-DL-2b



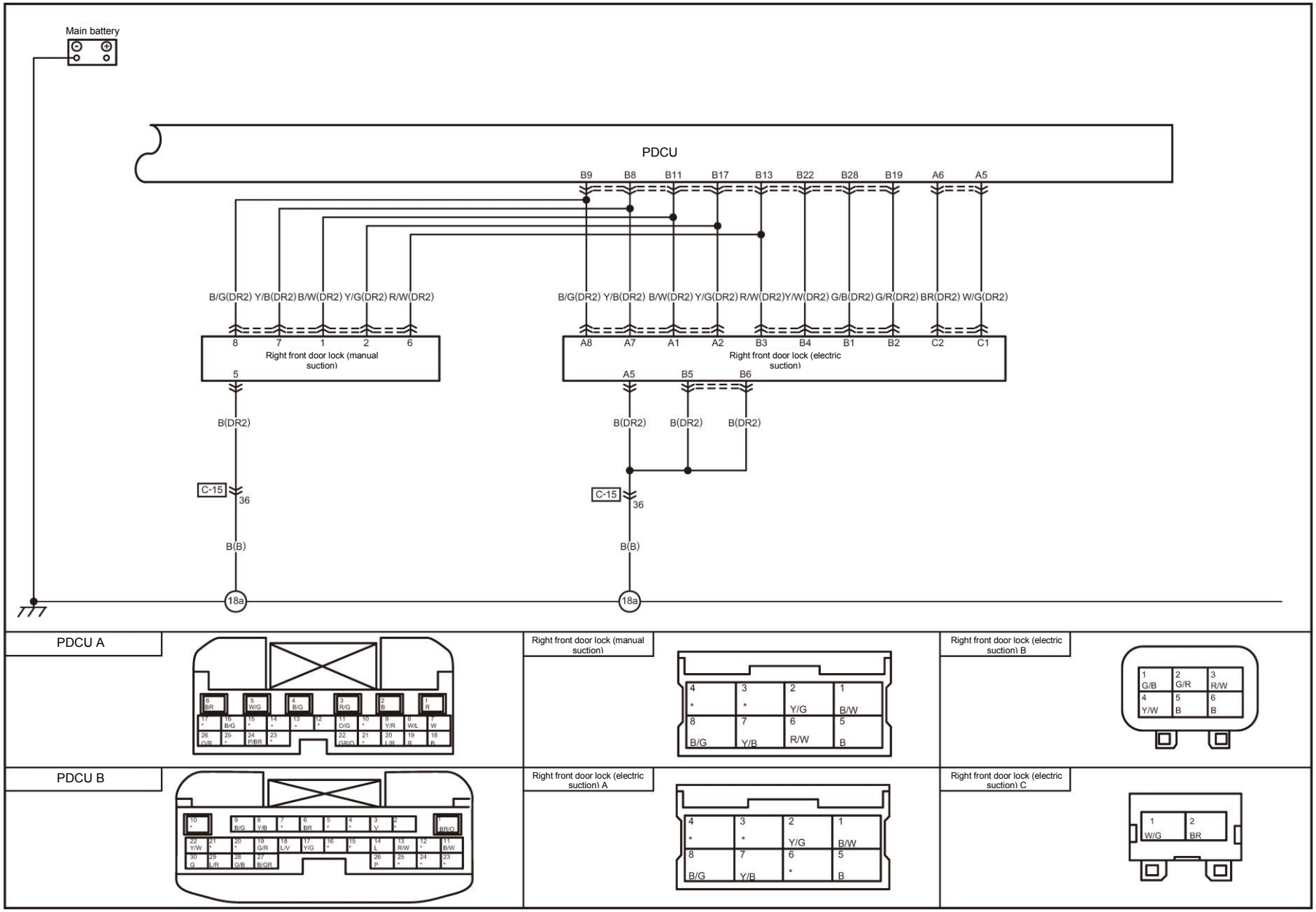
Door control system

BO-DL-2c



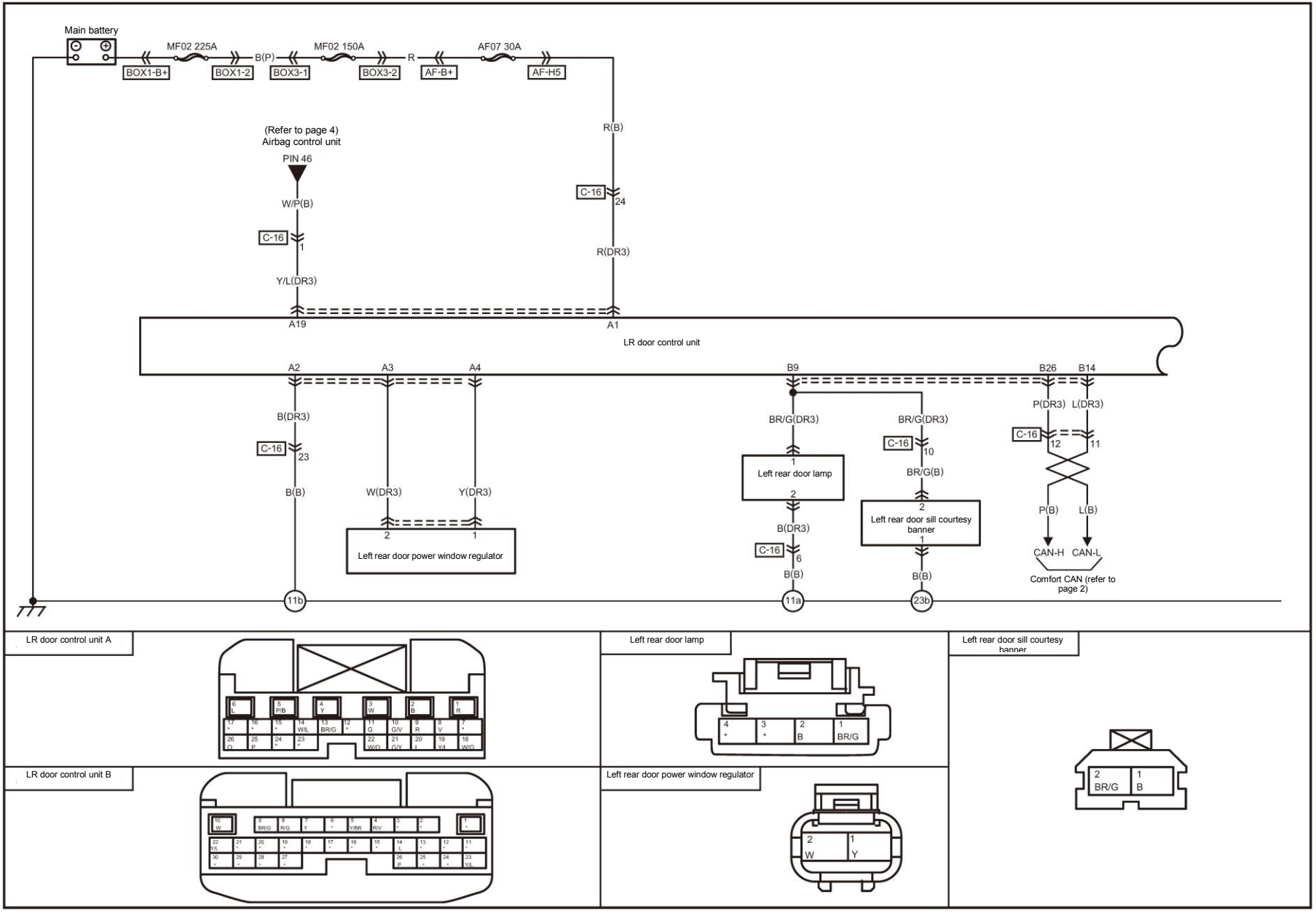
Door control system

BO-DL-2d



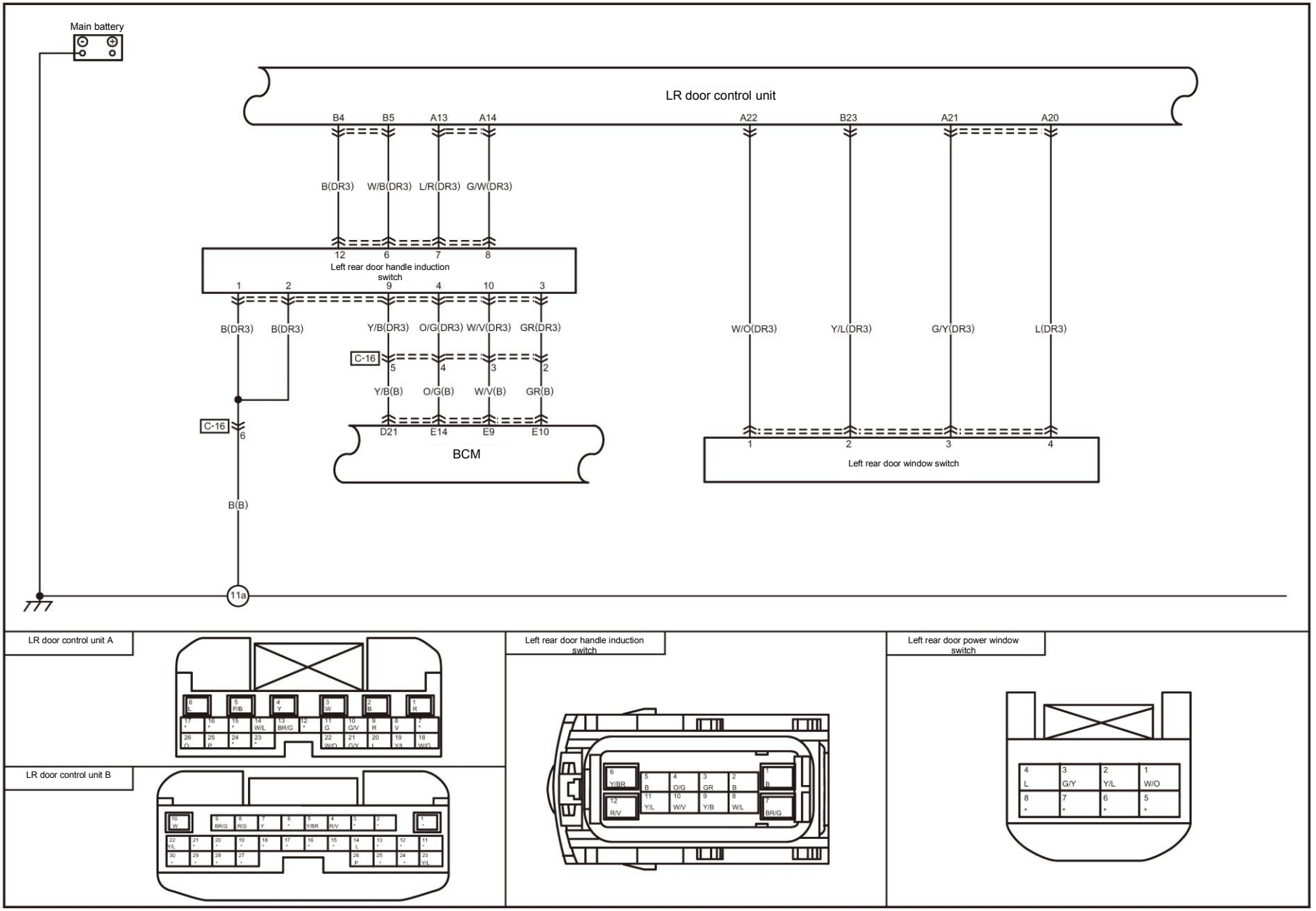
Door control system

BO-DL-3a



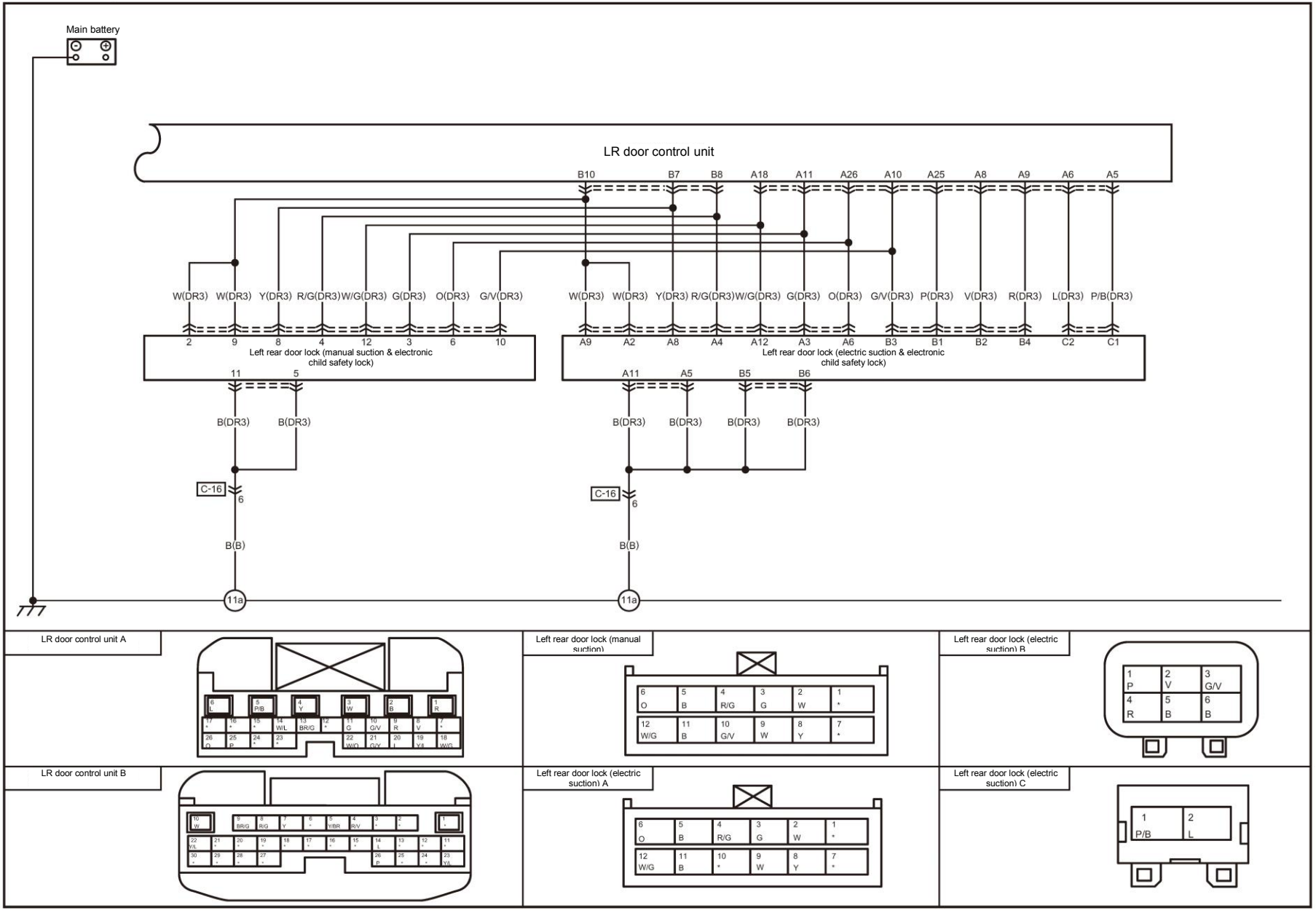
Door control system

BO-DL-3b



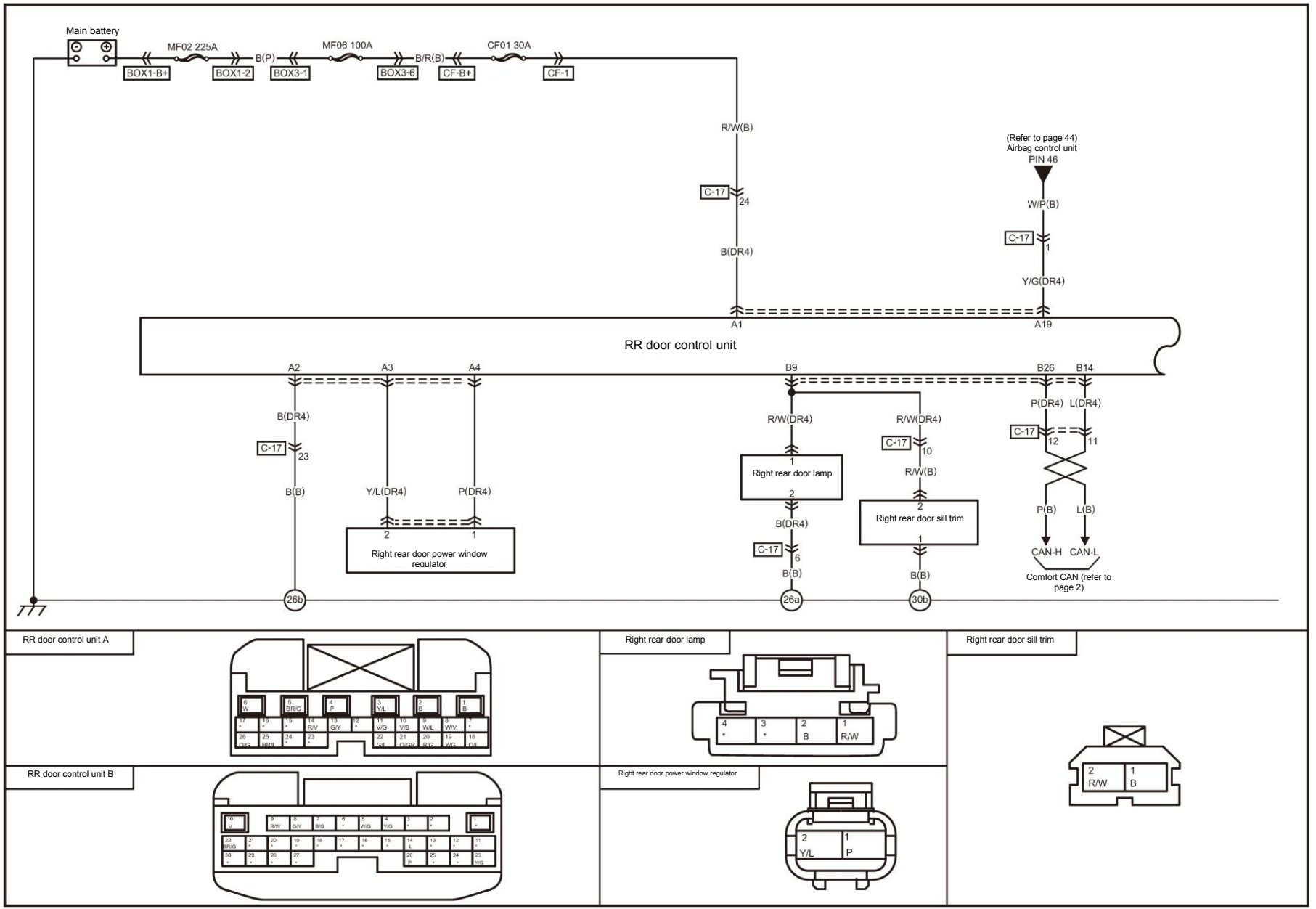
Door control system

BO-DL-3c



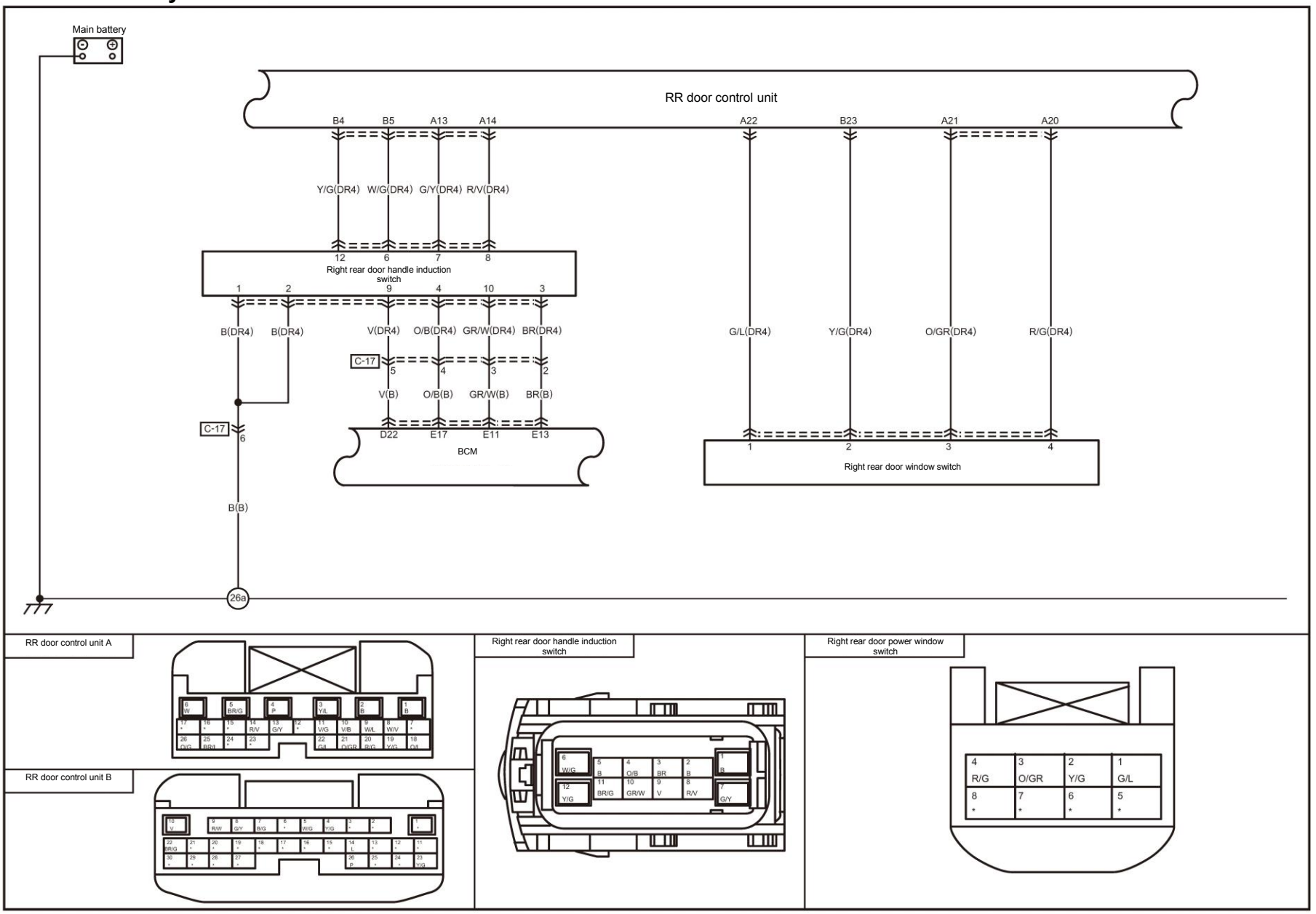
Door control system

BO-DL-4a



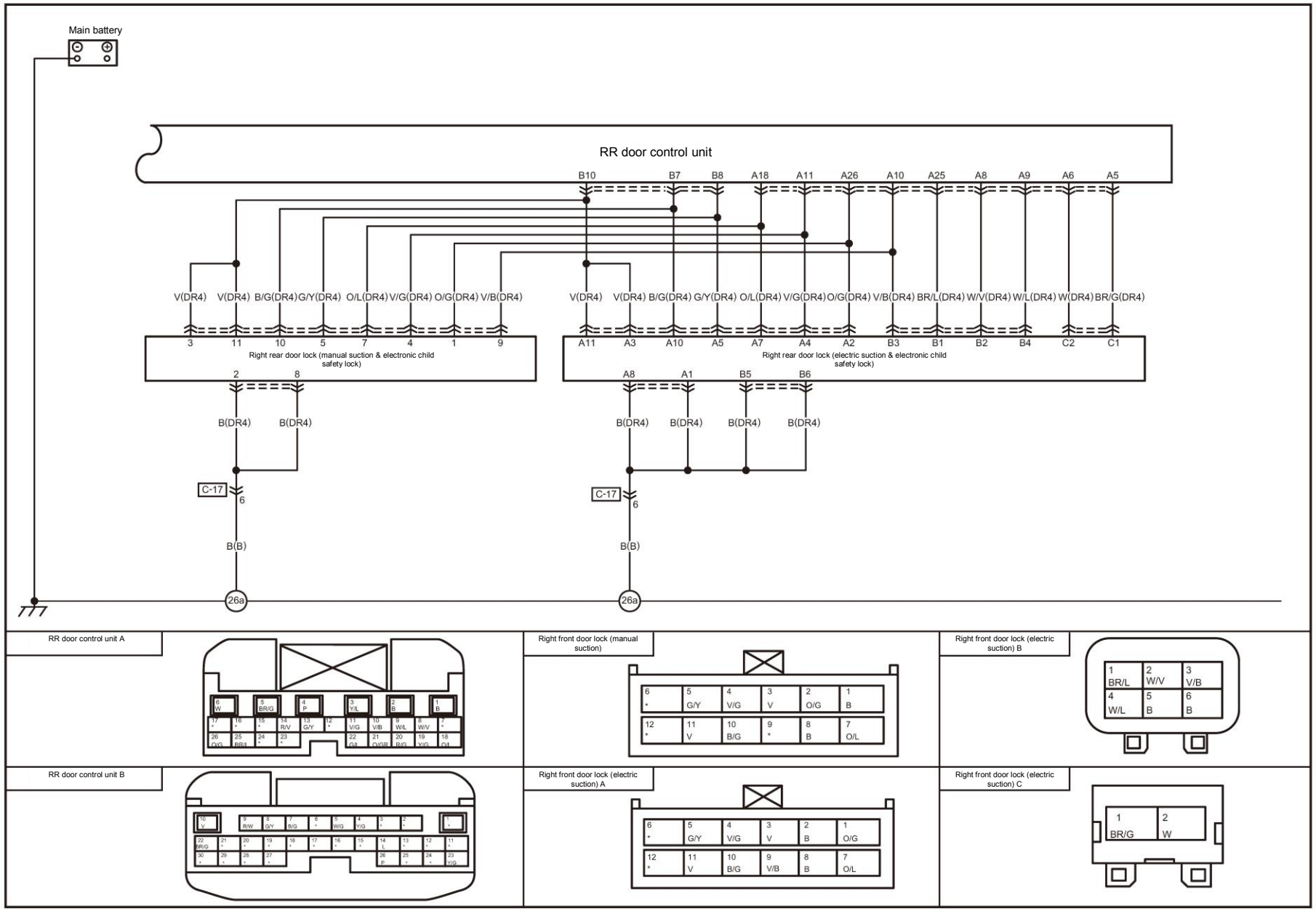
Door control system

BO-DL-4b



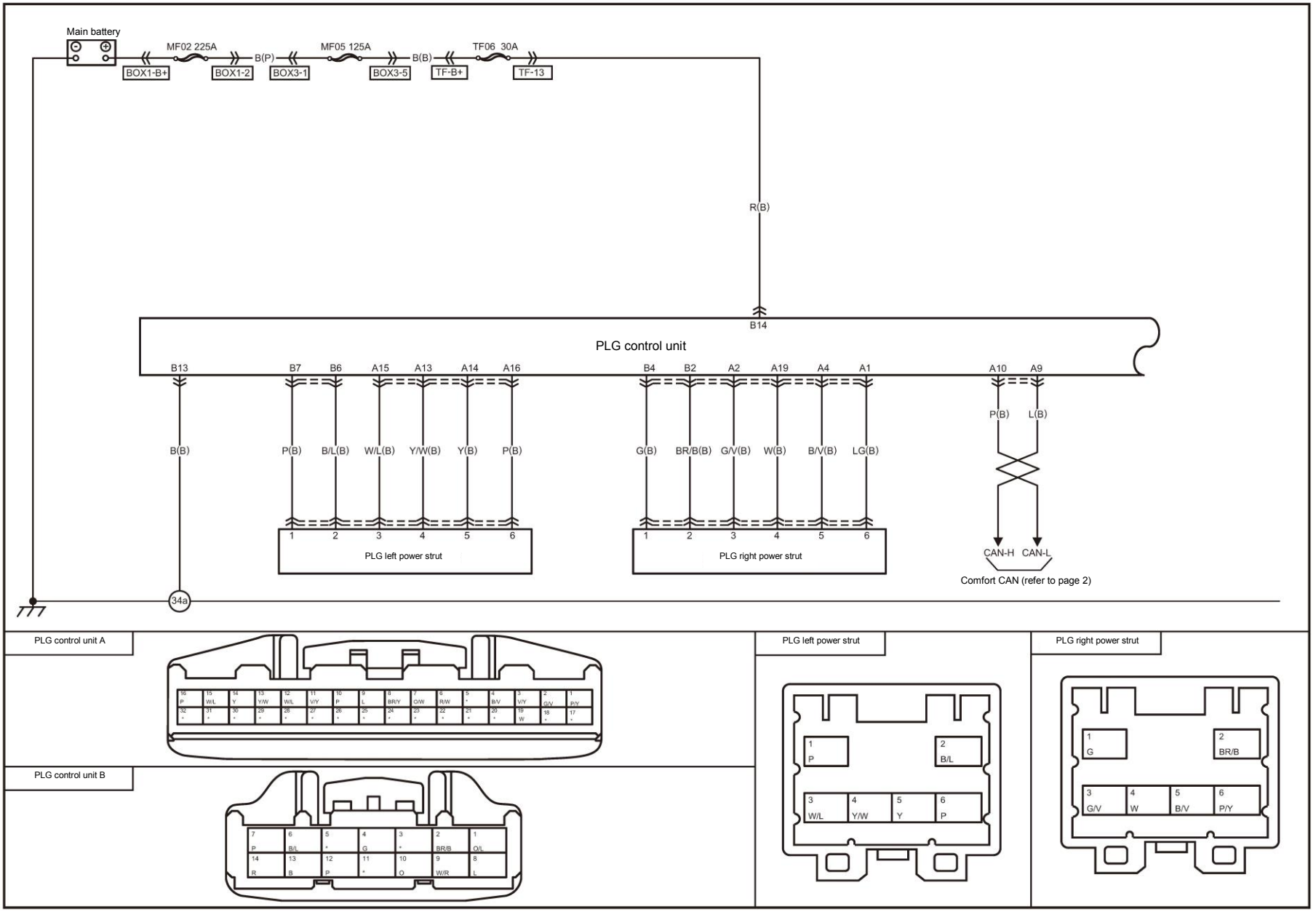
Door control system

BO-DL-4c



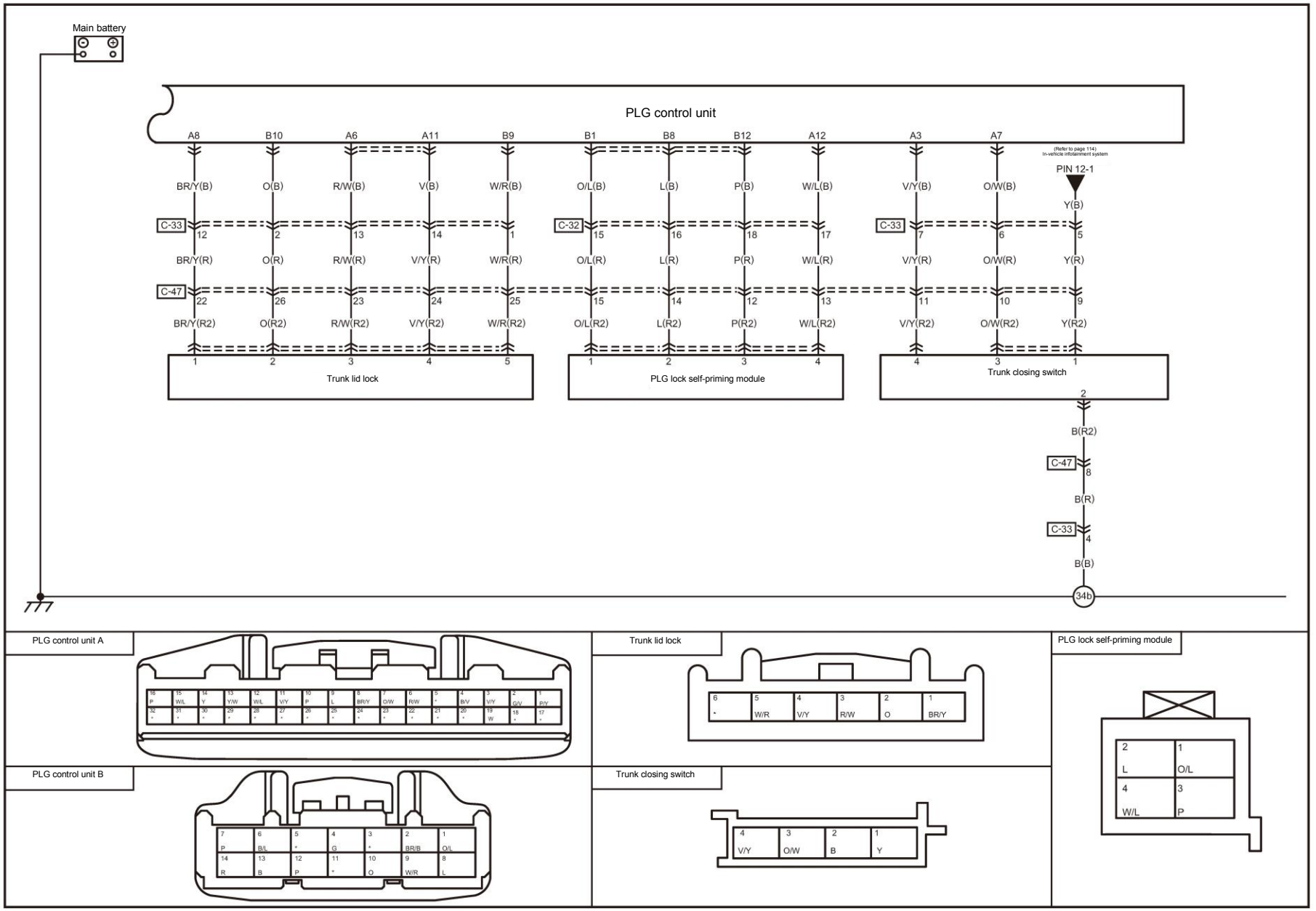
Door control system

BO-DL-5a



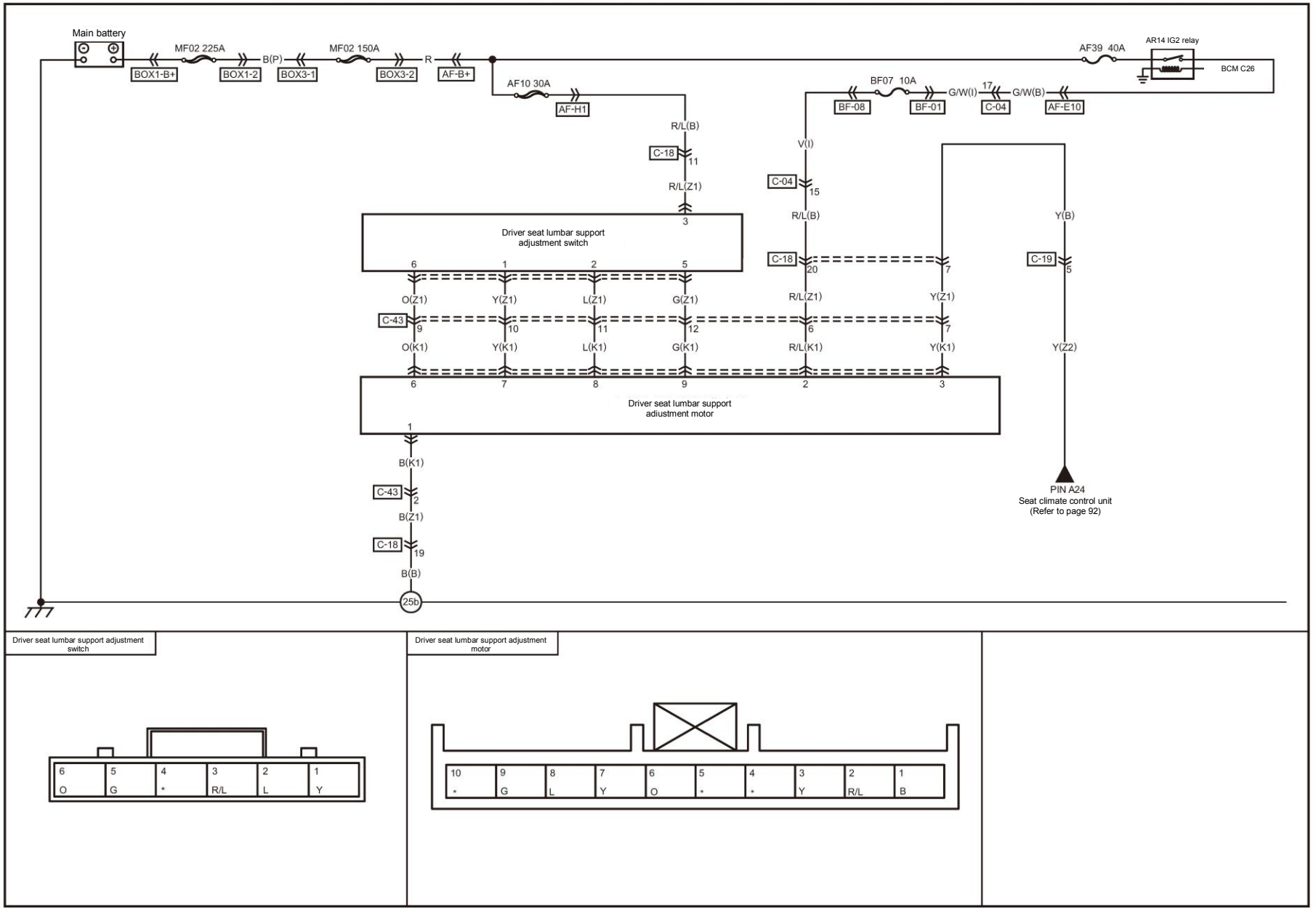
Door control system

BO-DL-5b



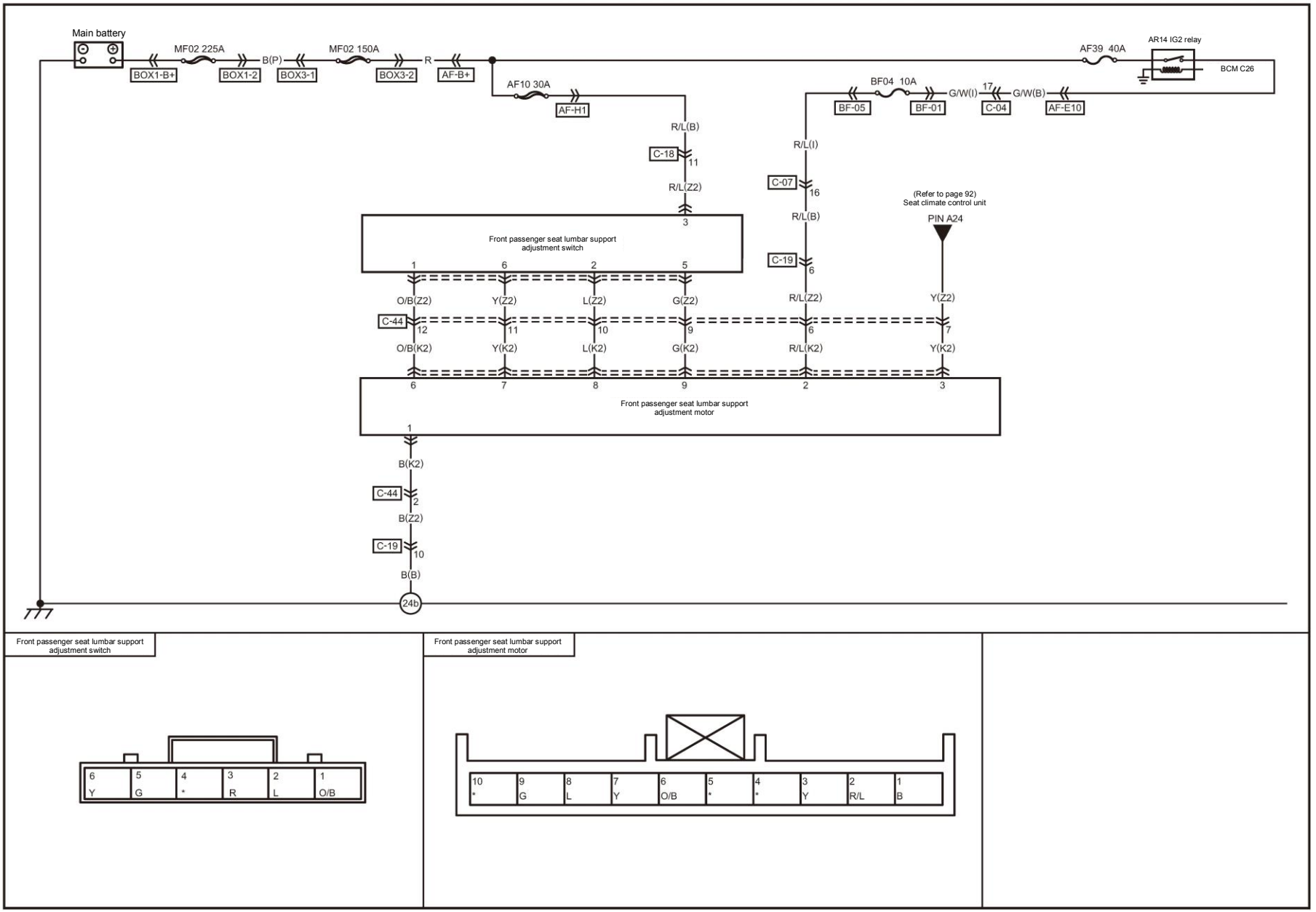
Seat system

BO-SE-1a



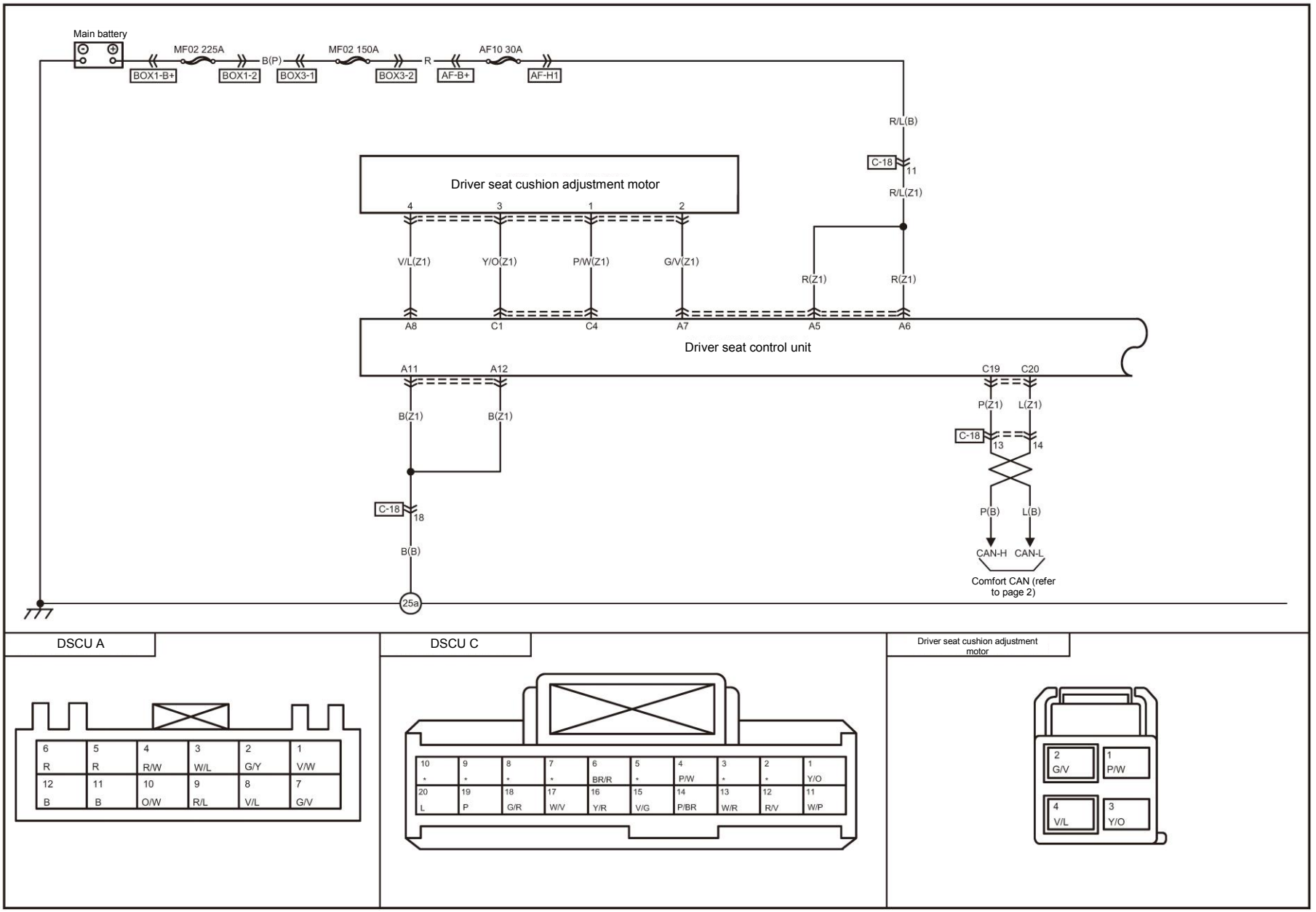
Seat system

BO-SE-1b



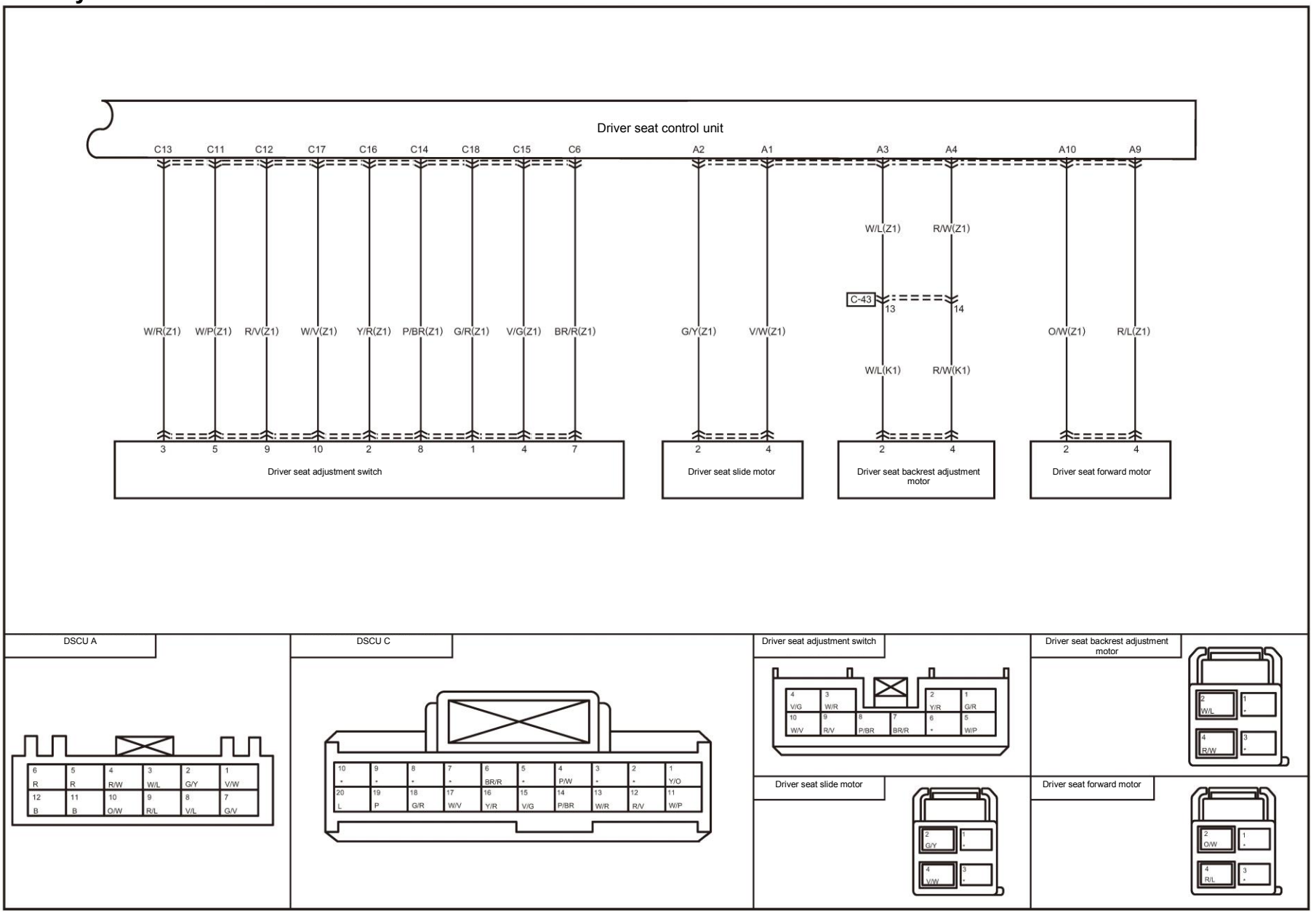
Seat system

BO-SE-1c



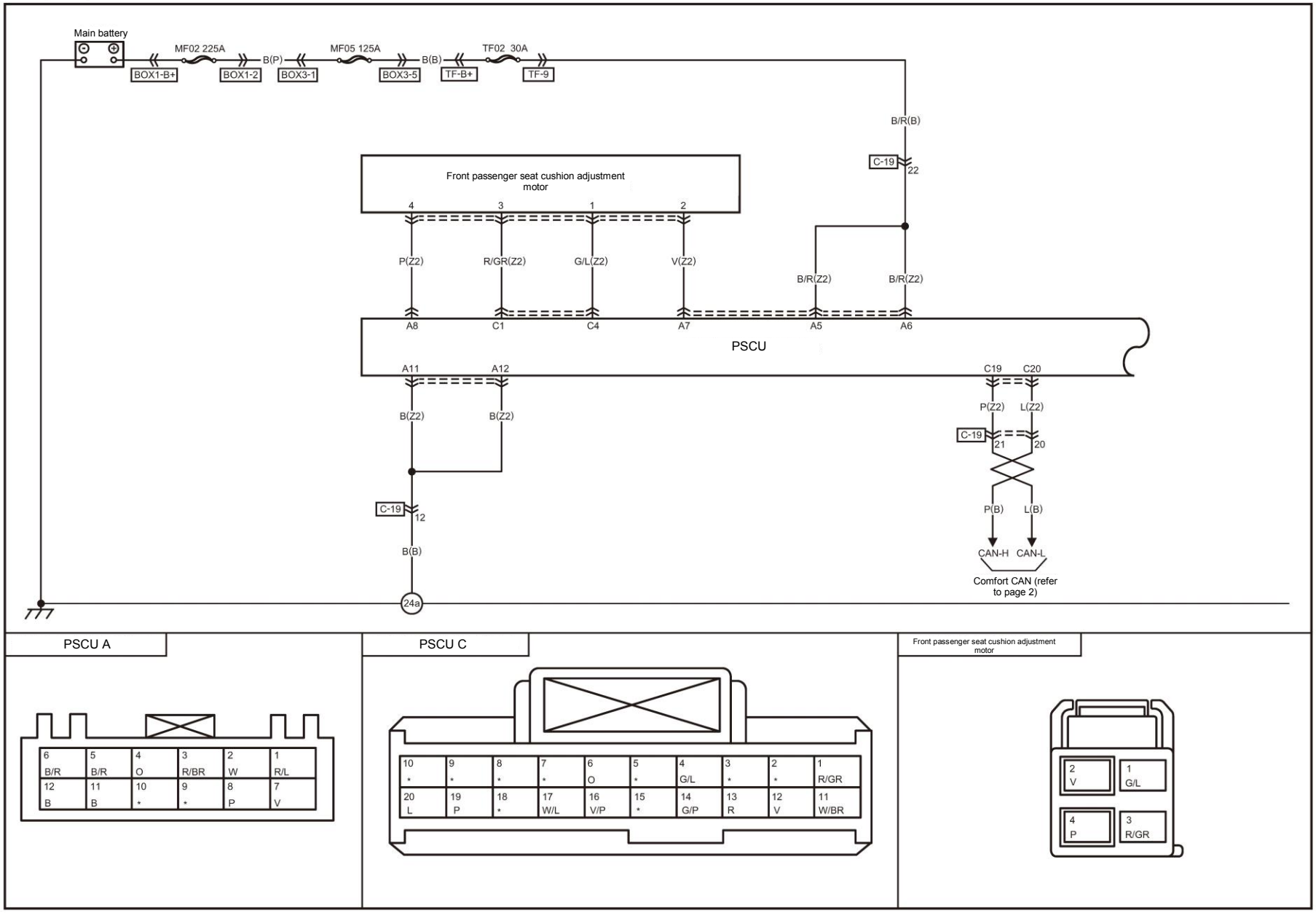
Seat system

BO-SE-1d



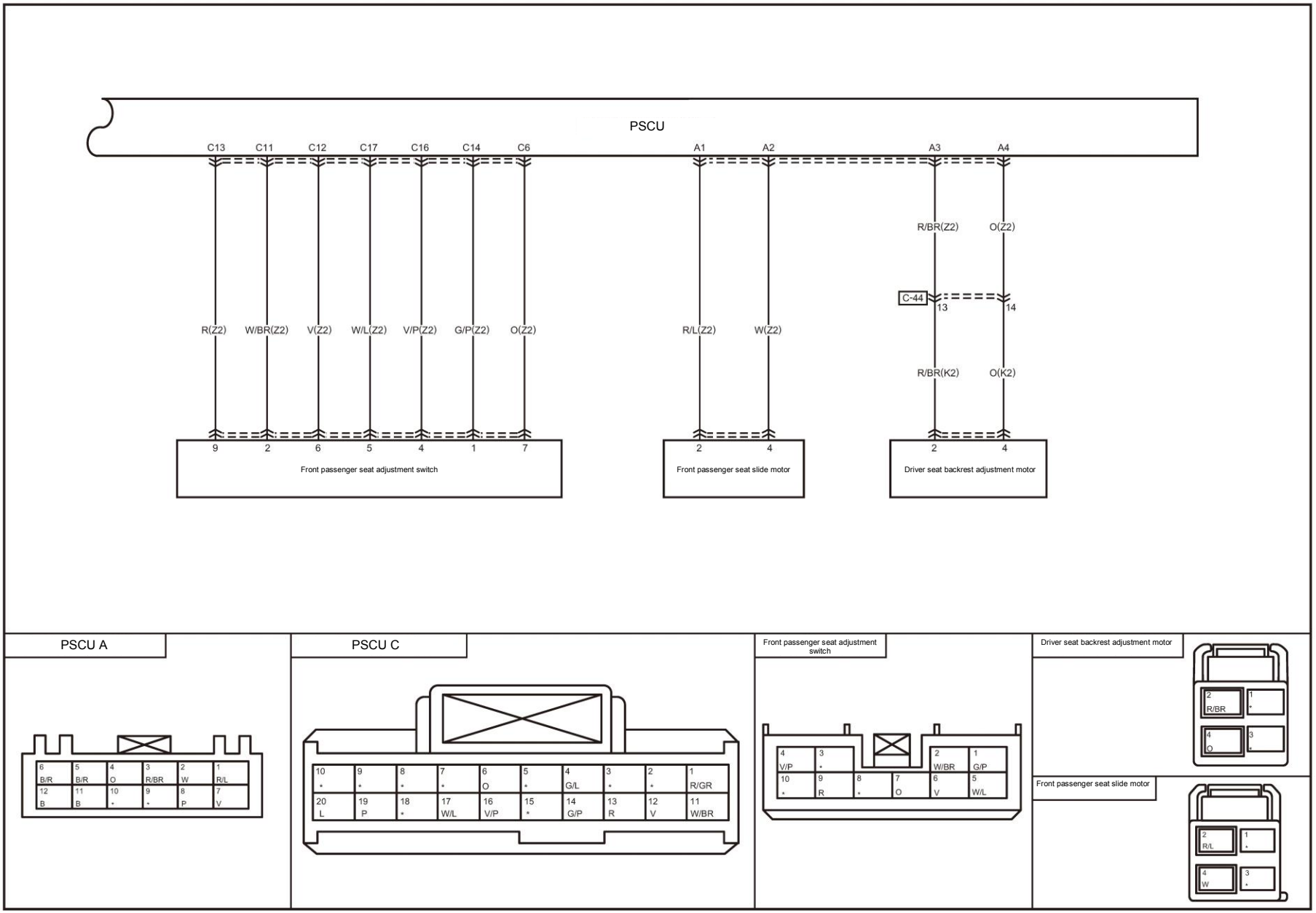
Seat system

BO-SE-1e



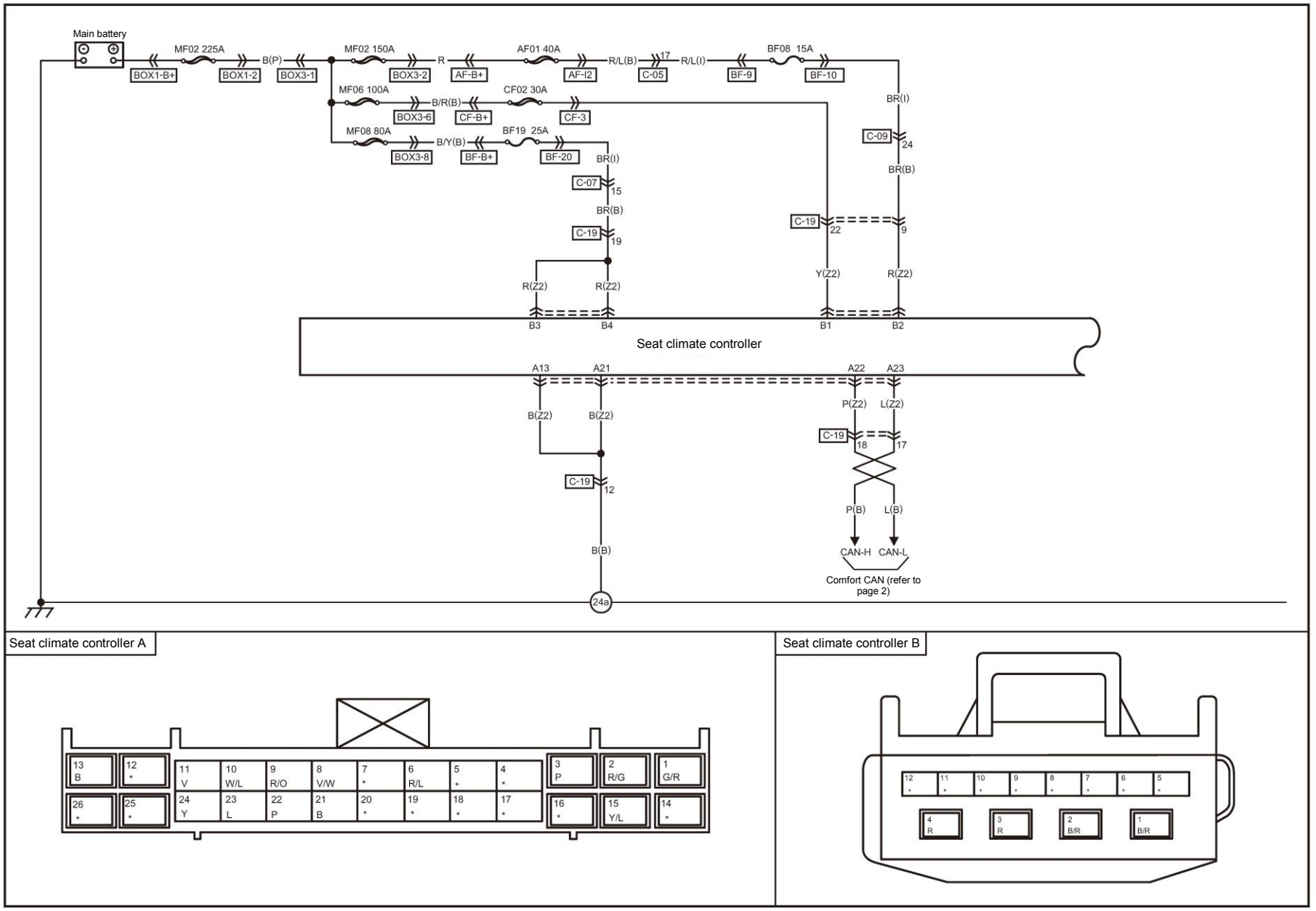
Seat system

BO-SE-1f



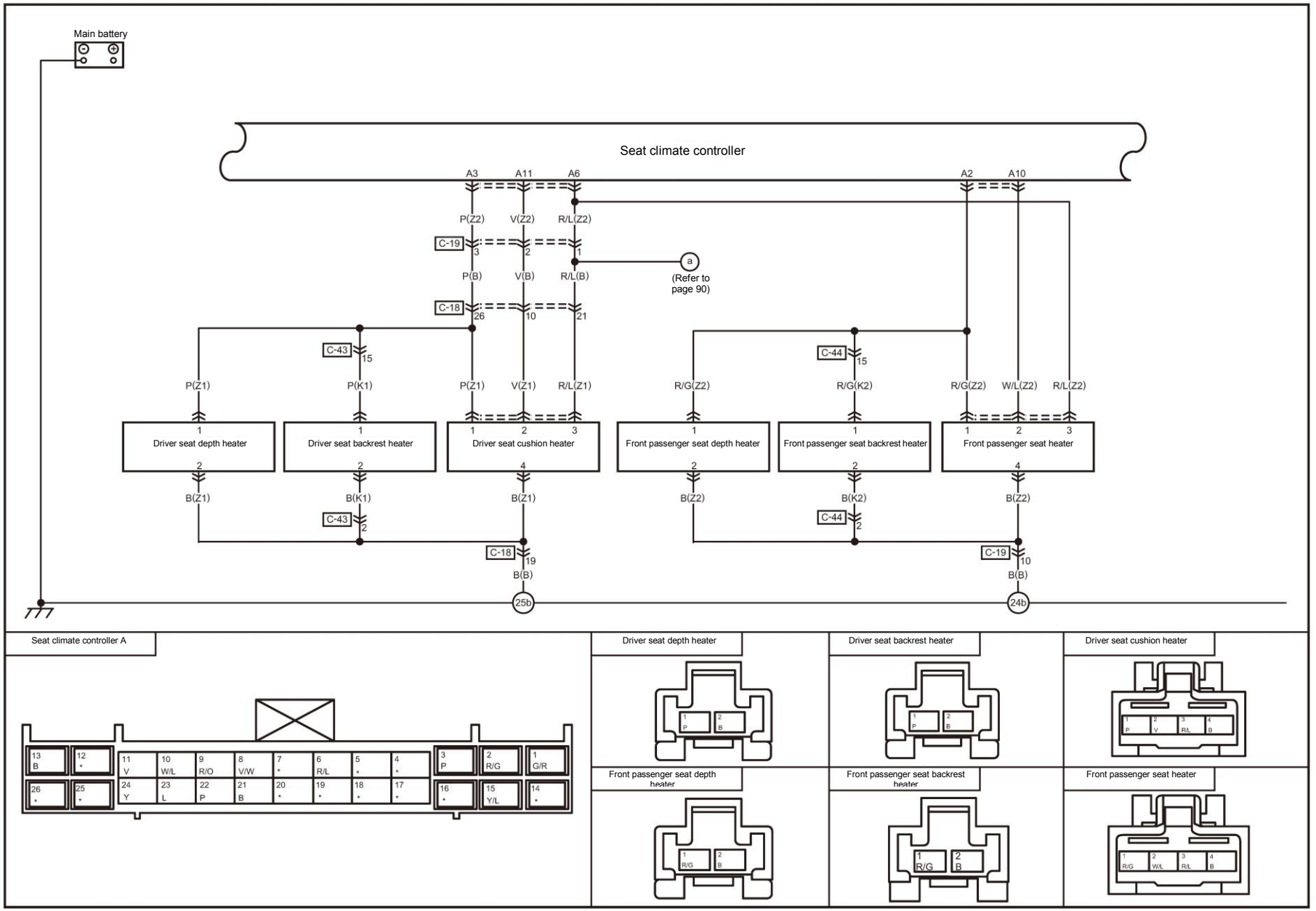
Seat system

BO-SE-1g



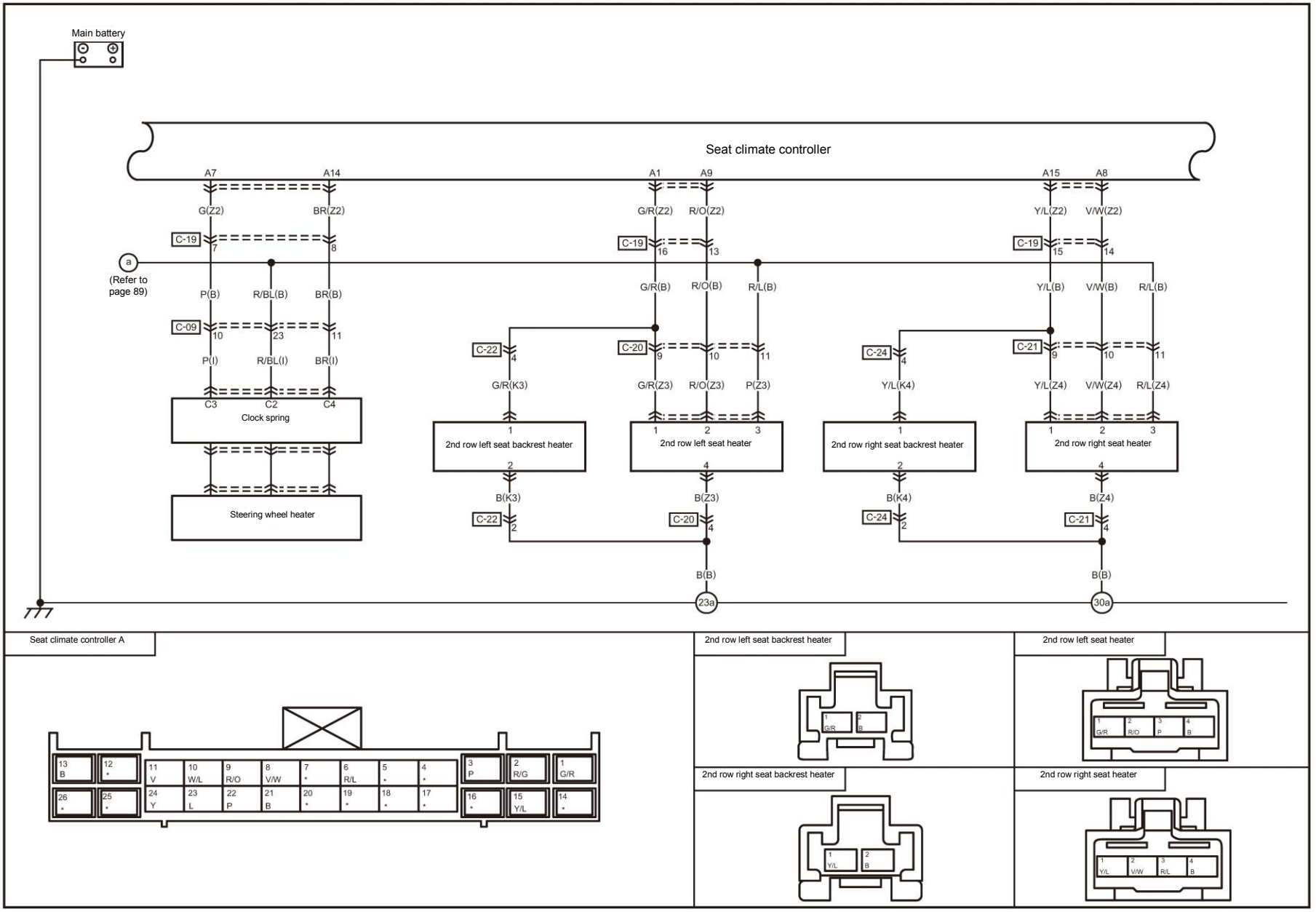
Seat system

BO-SE-1h



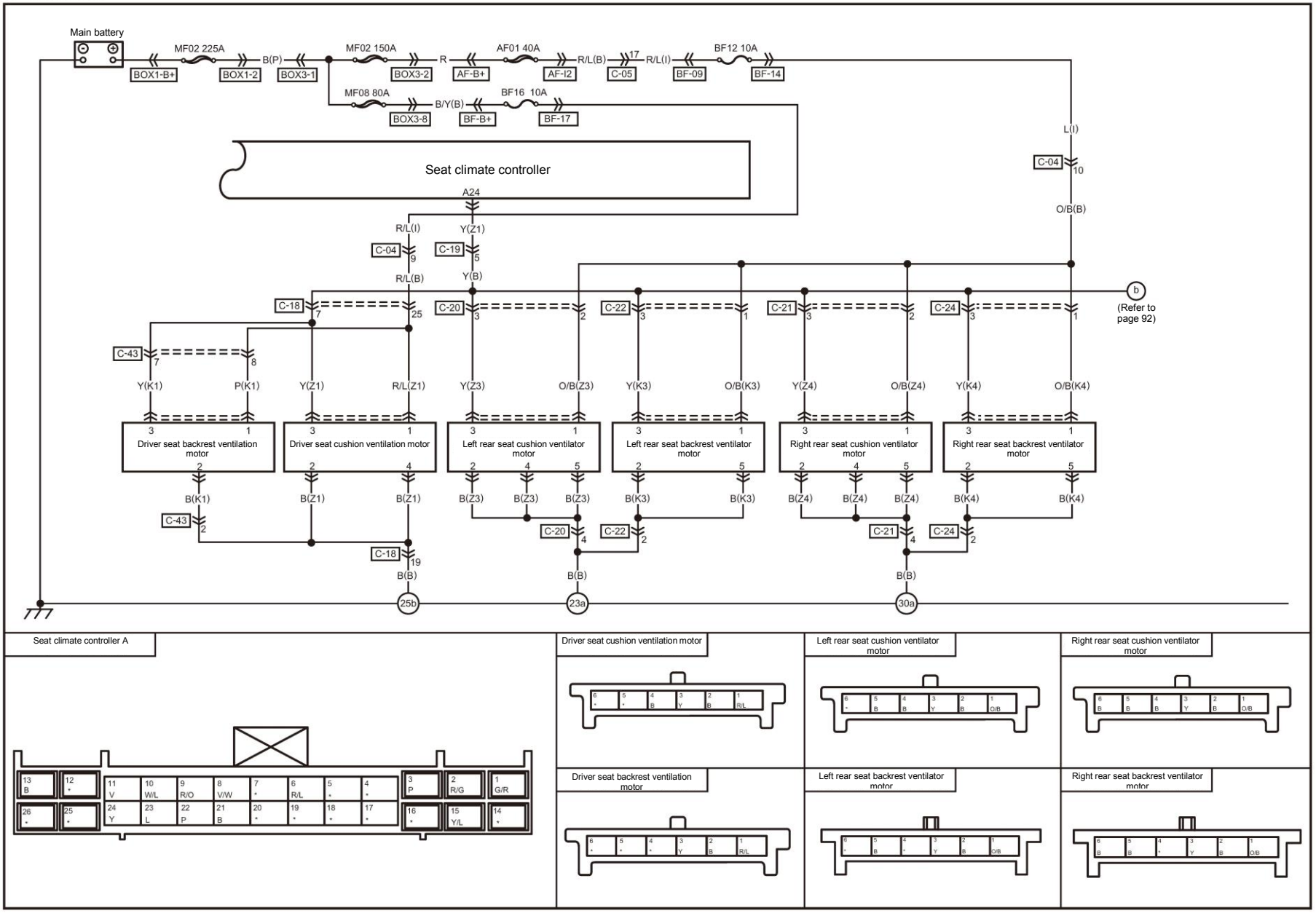
Seat system

BO-SE-1i



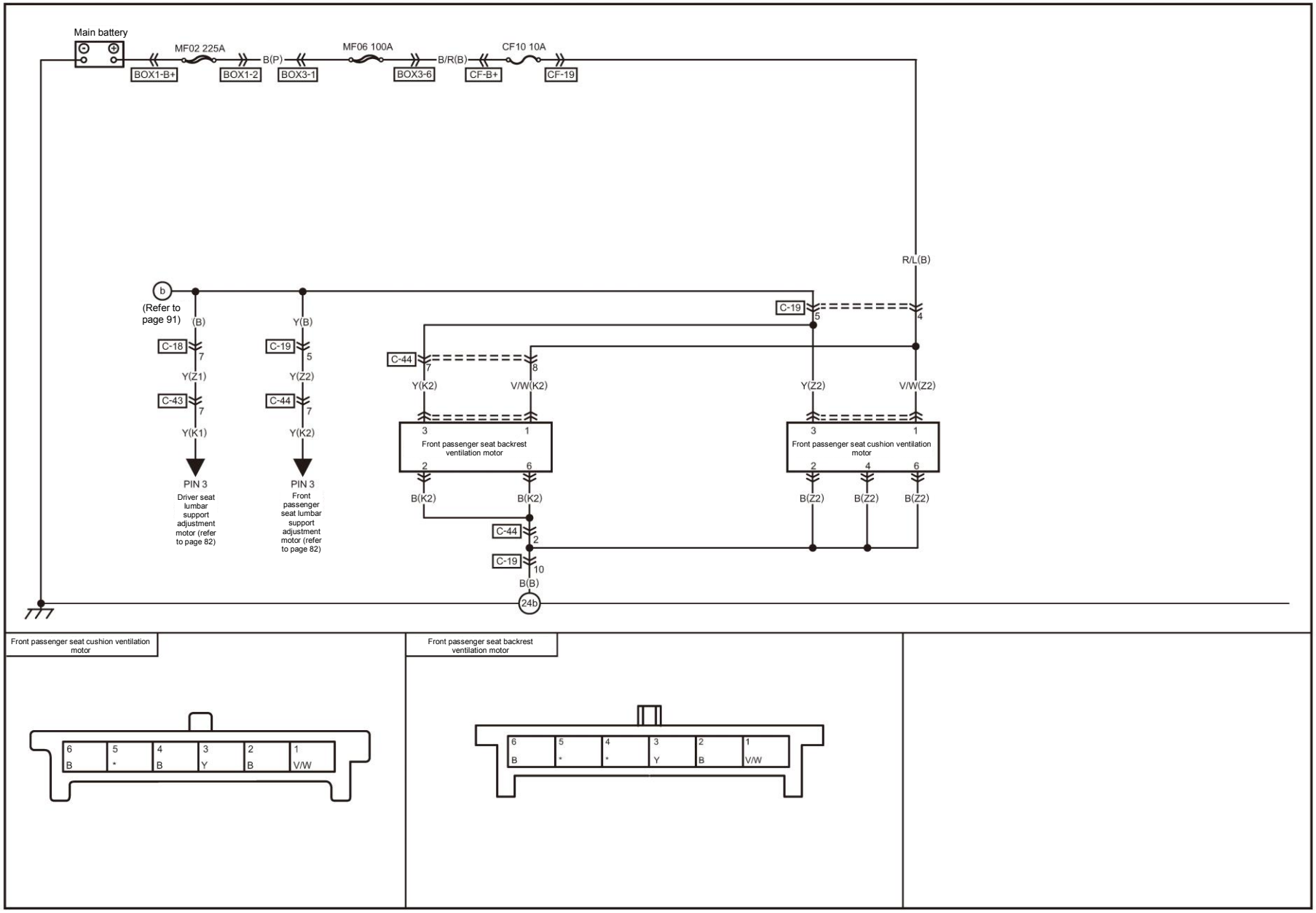
Seat system

BO-SE-1j



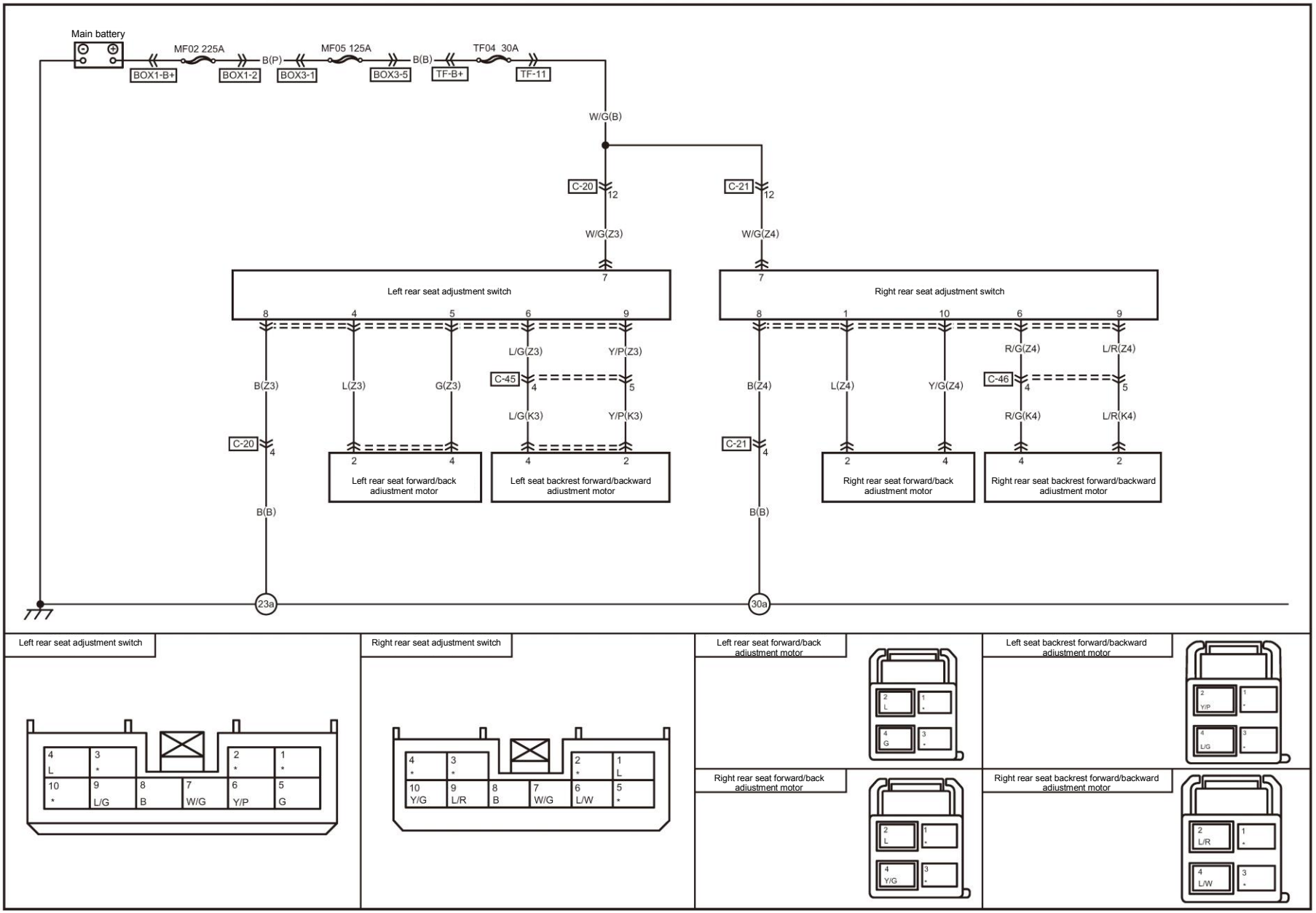
Seat system

BO-SE-1k



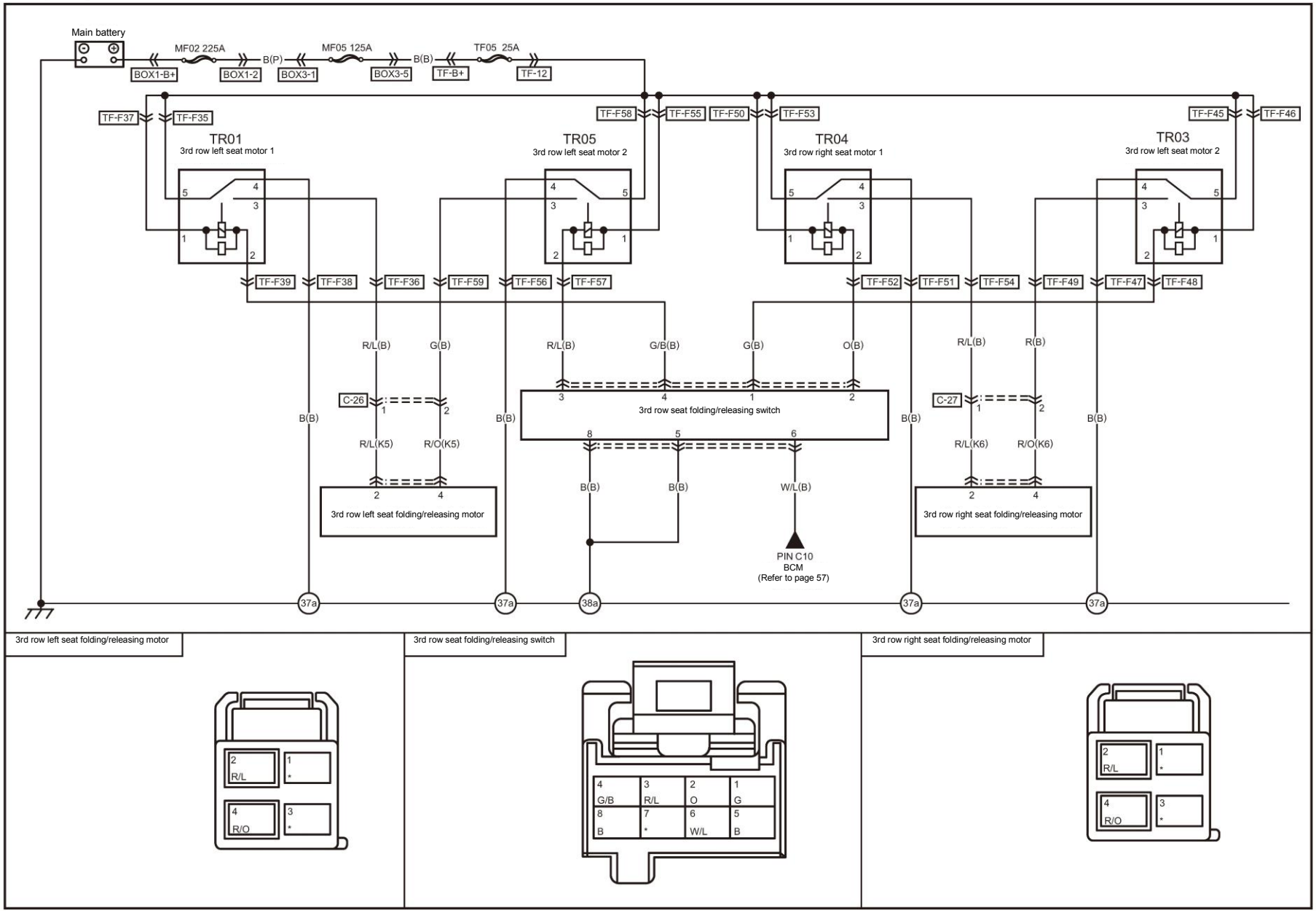
Seat system

BO-SE-2a



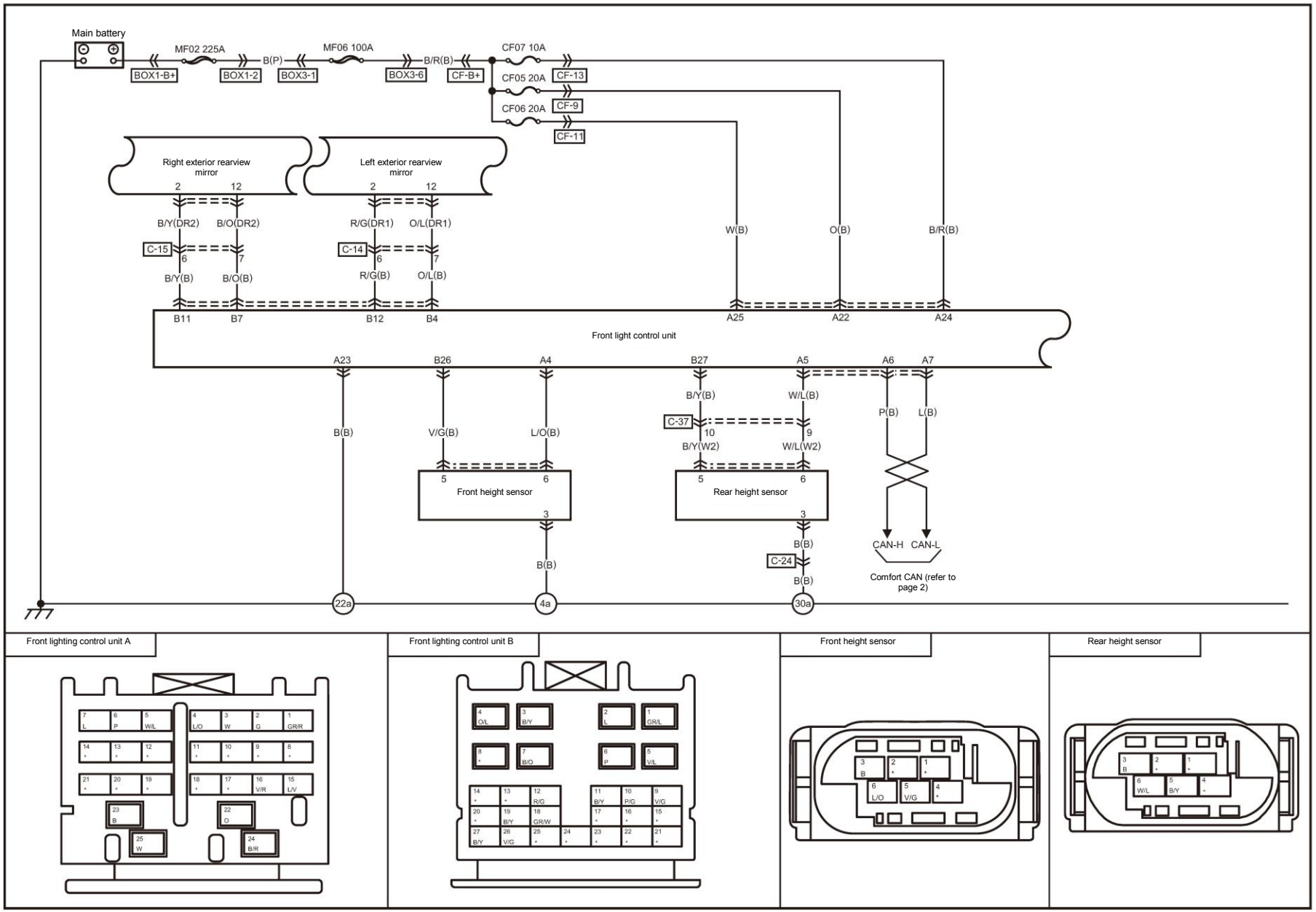
Seat system

BO-SE-2b



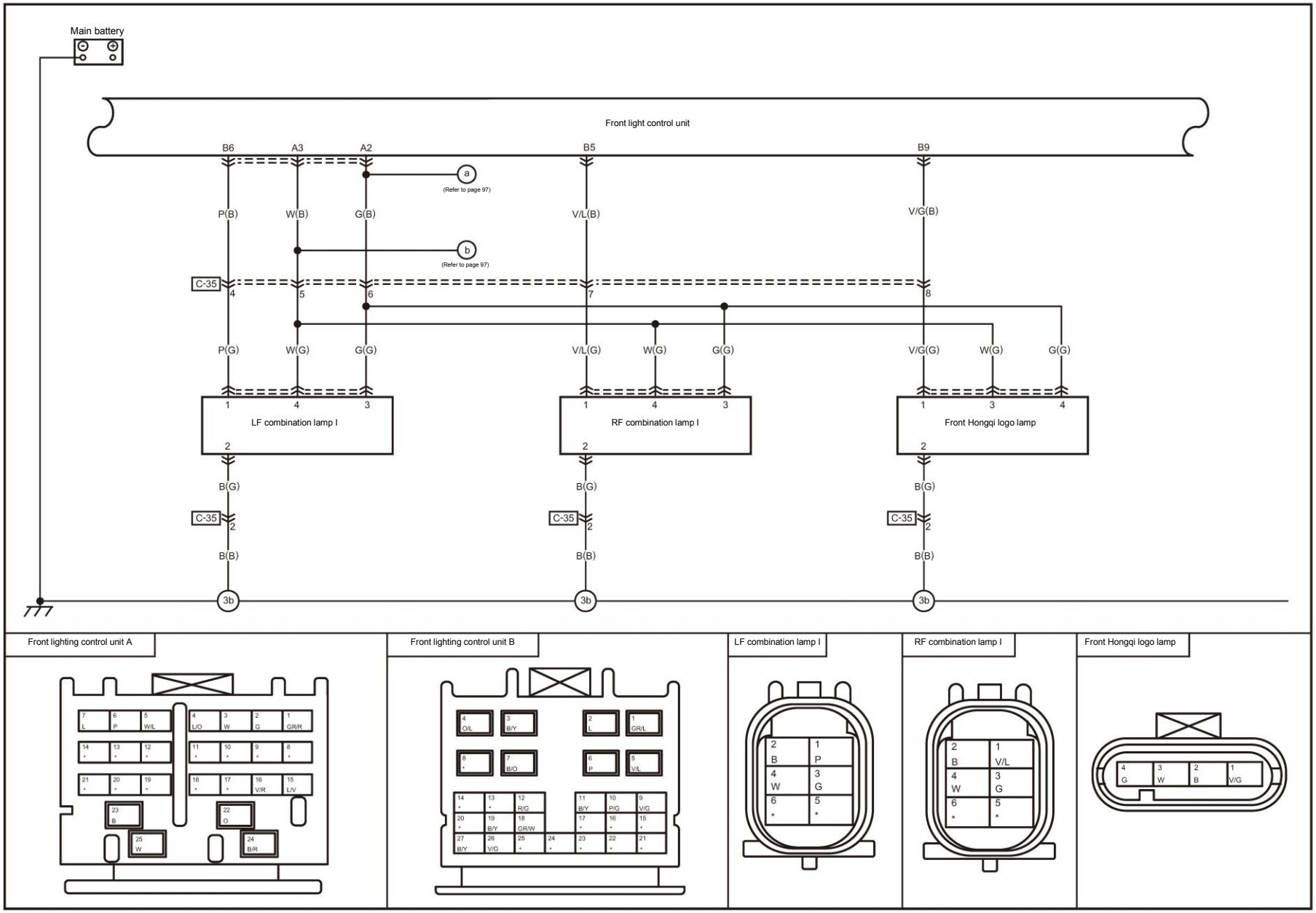
Front light control unit

BO-LI-1a



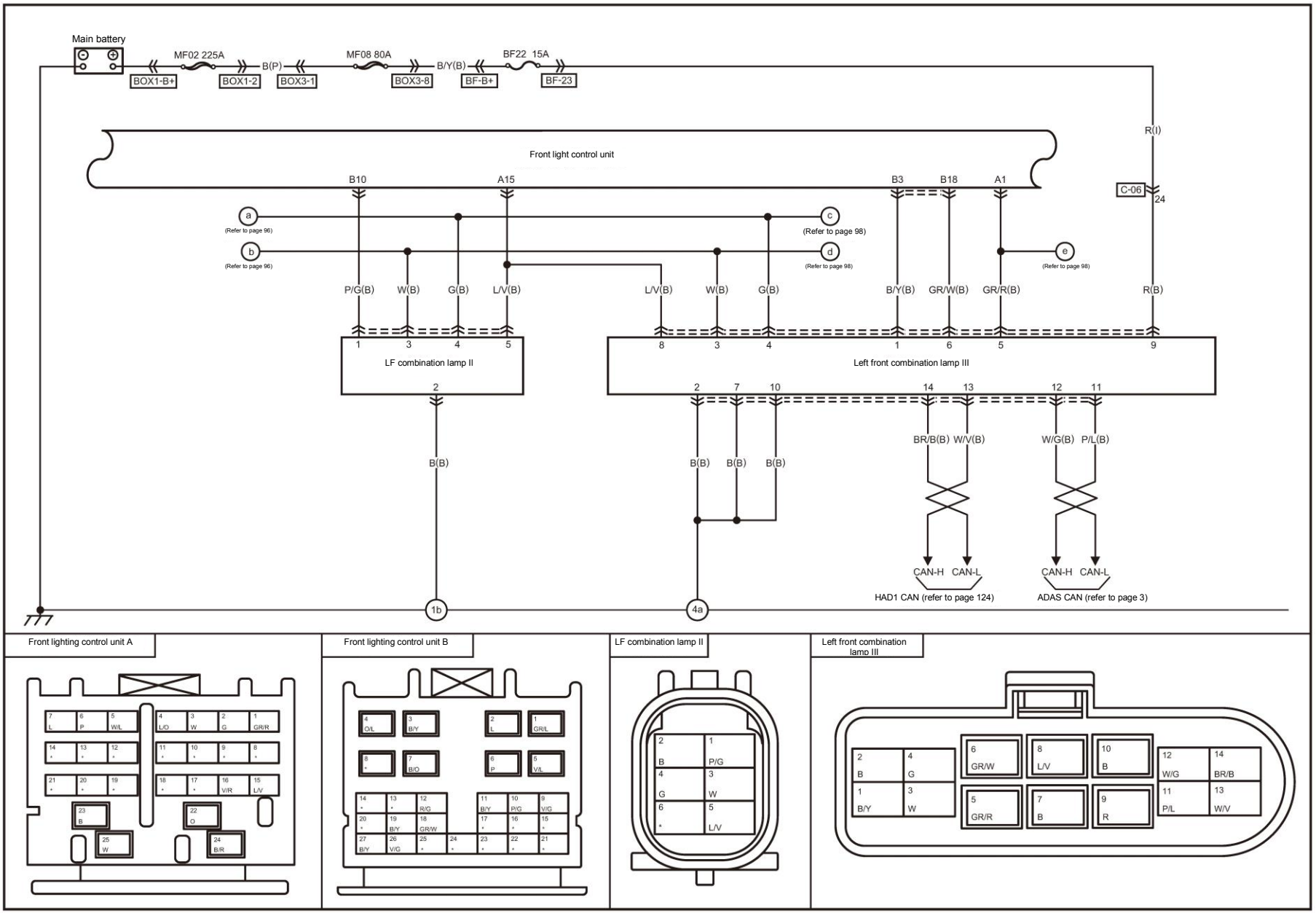
Front light control unit

BO-LI-1b



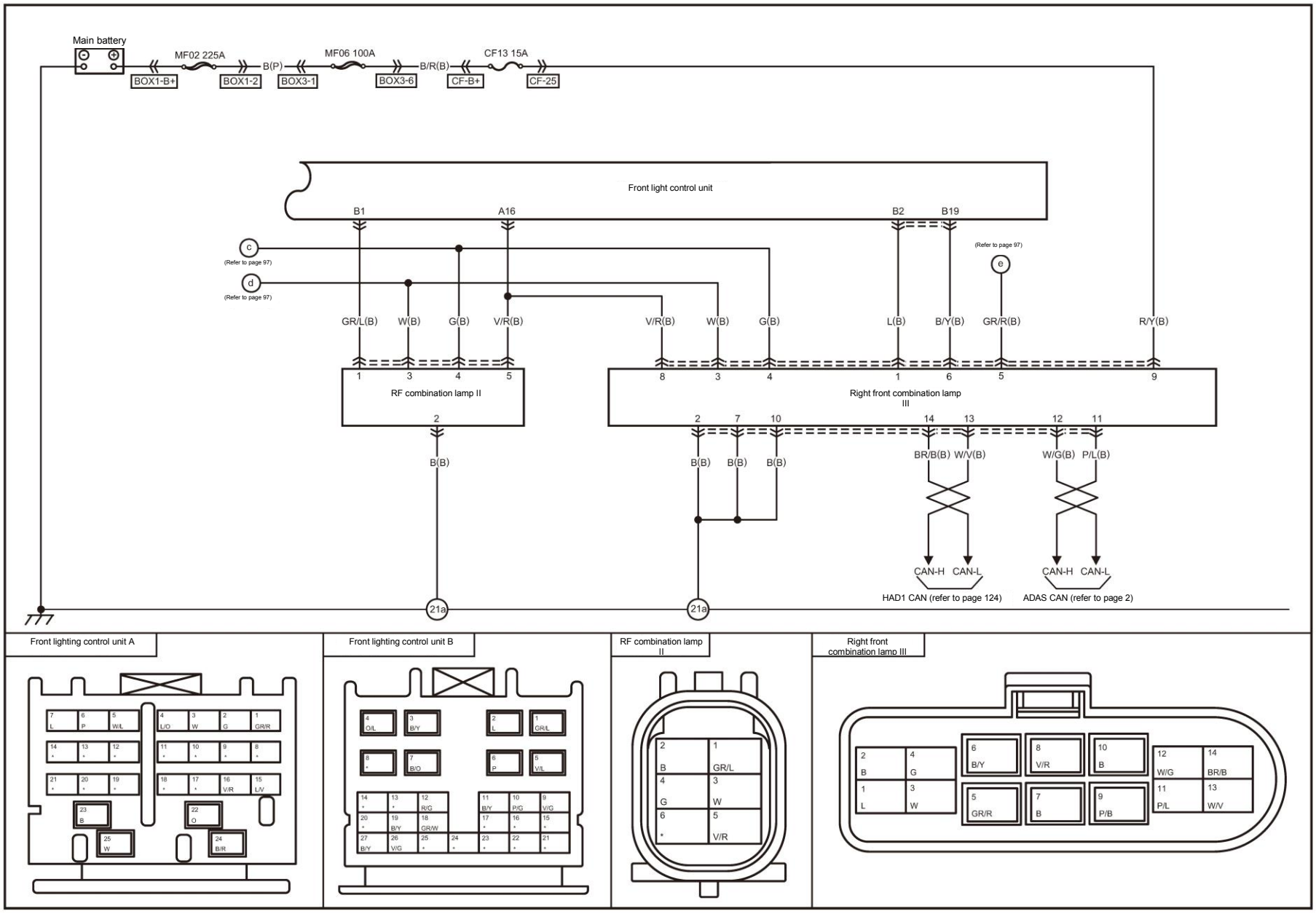
Front light control unit

BO-LI-1c



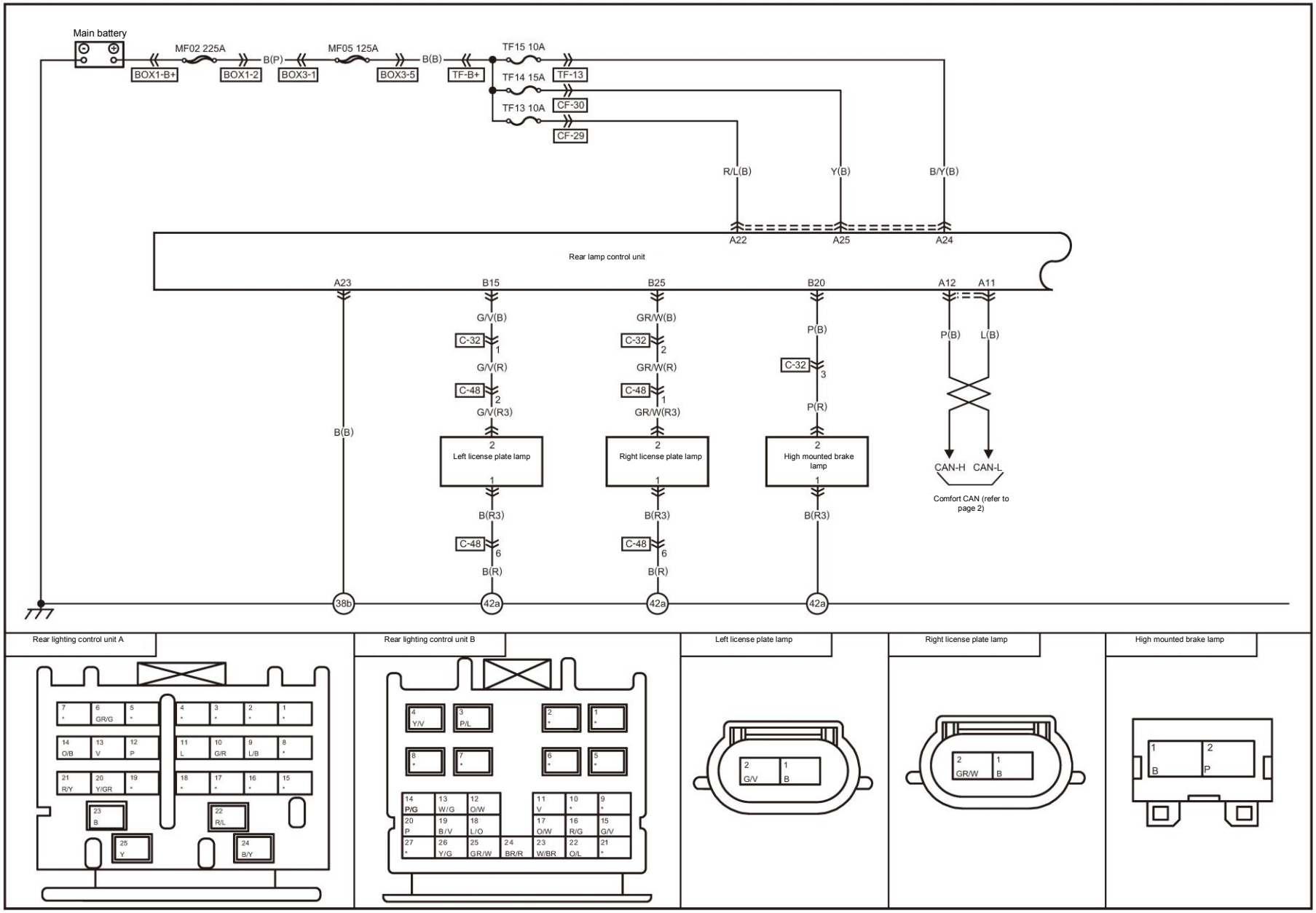
Front light control unit

BO-LI-1d



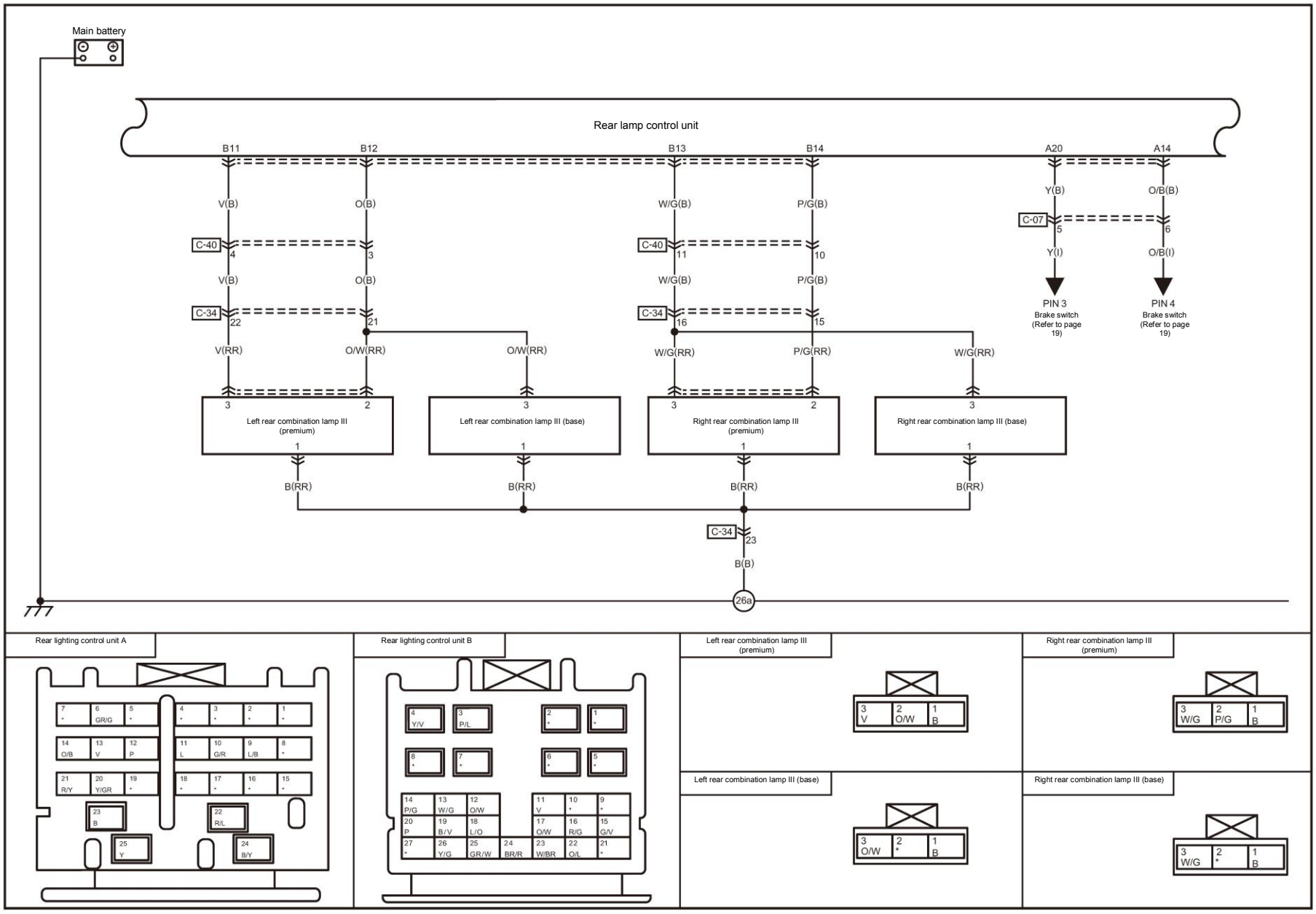
Rear lamp control unit

BO-LI-2a



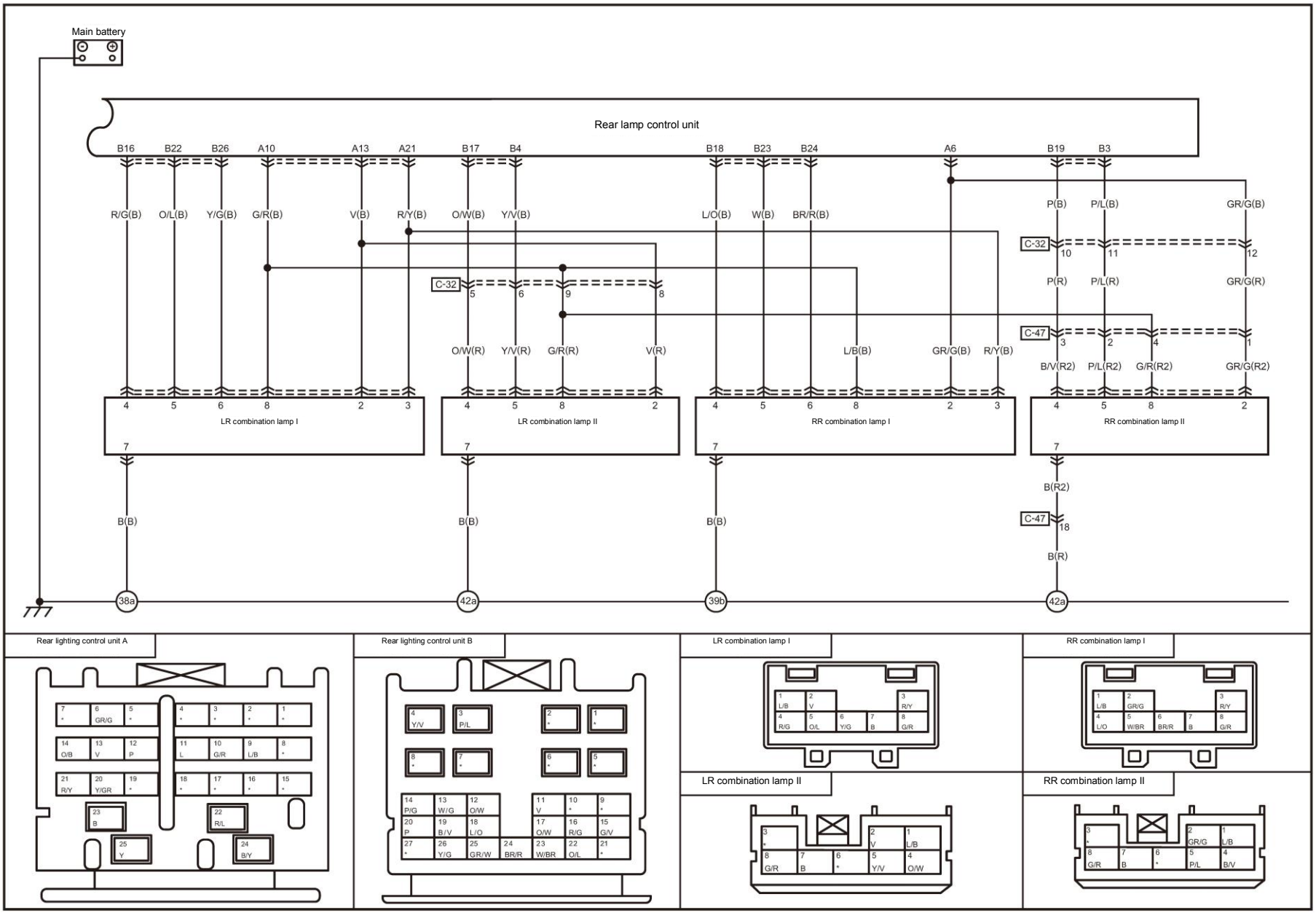
Rear lamp control unit

BO-LI-2b



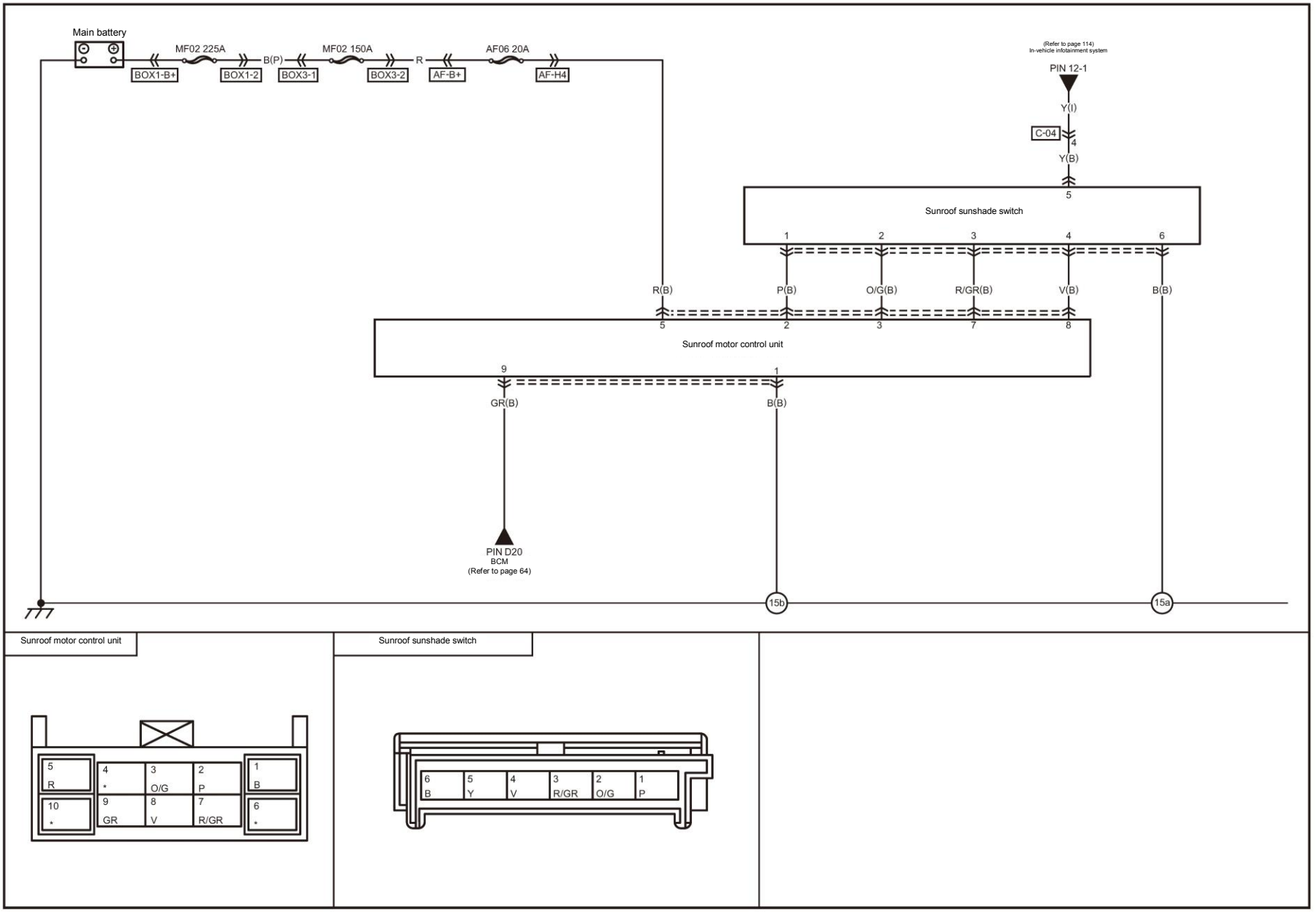
Rear lamp control unit

BO-LI-2c



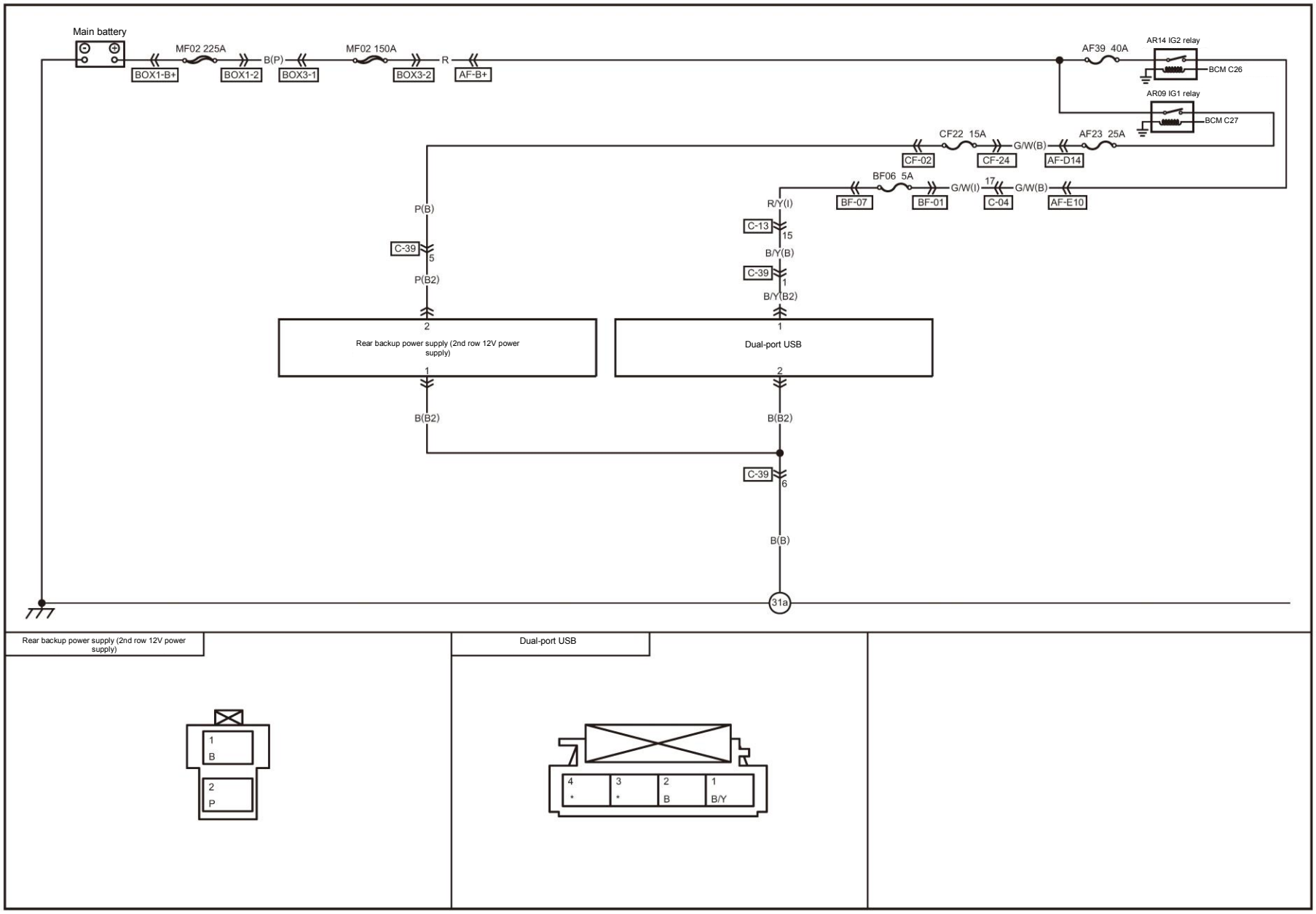
Sunroof motor control unit

BO-RF-1



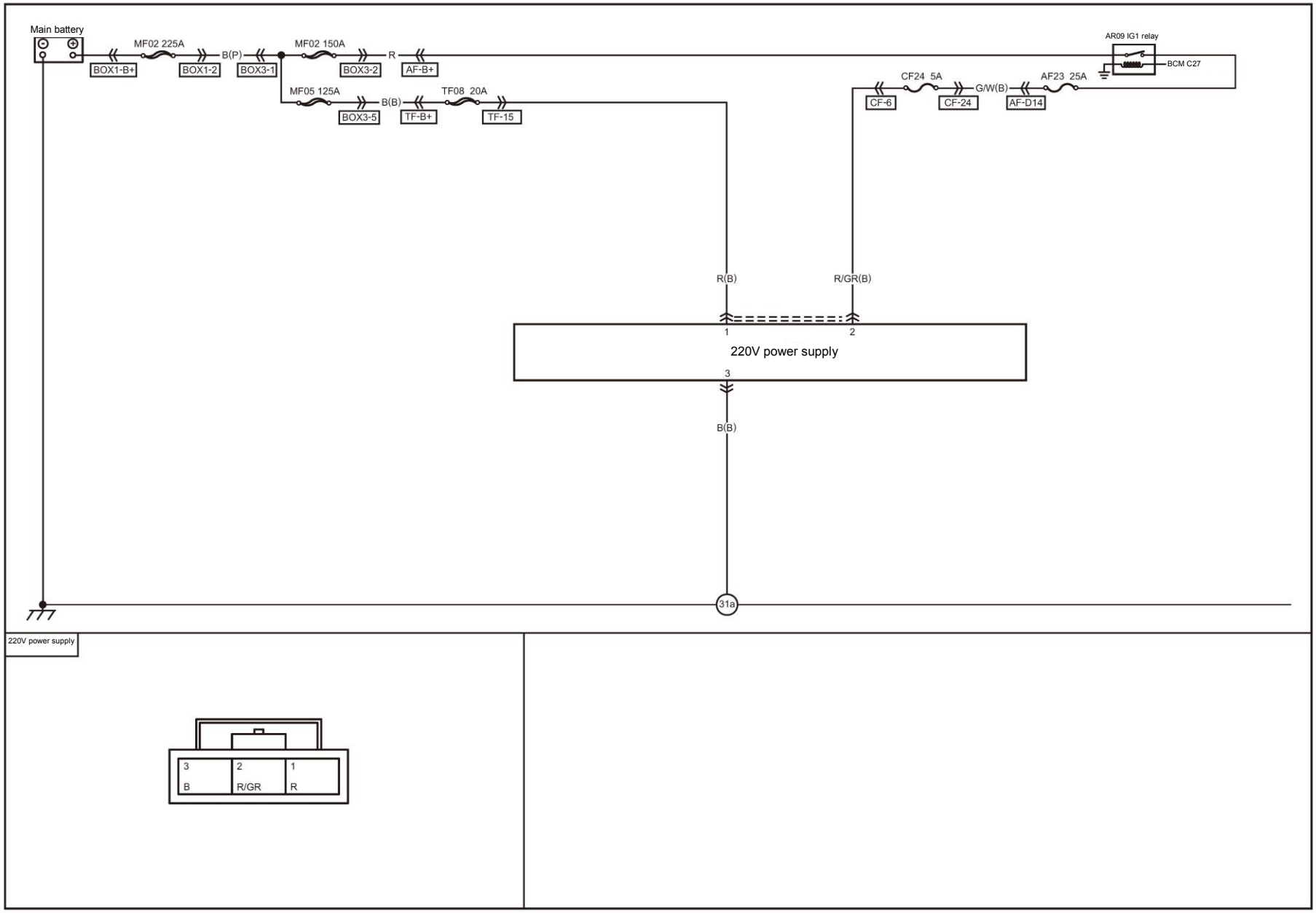
Rear backup power supply

BO-SC-1



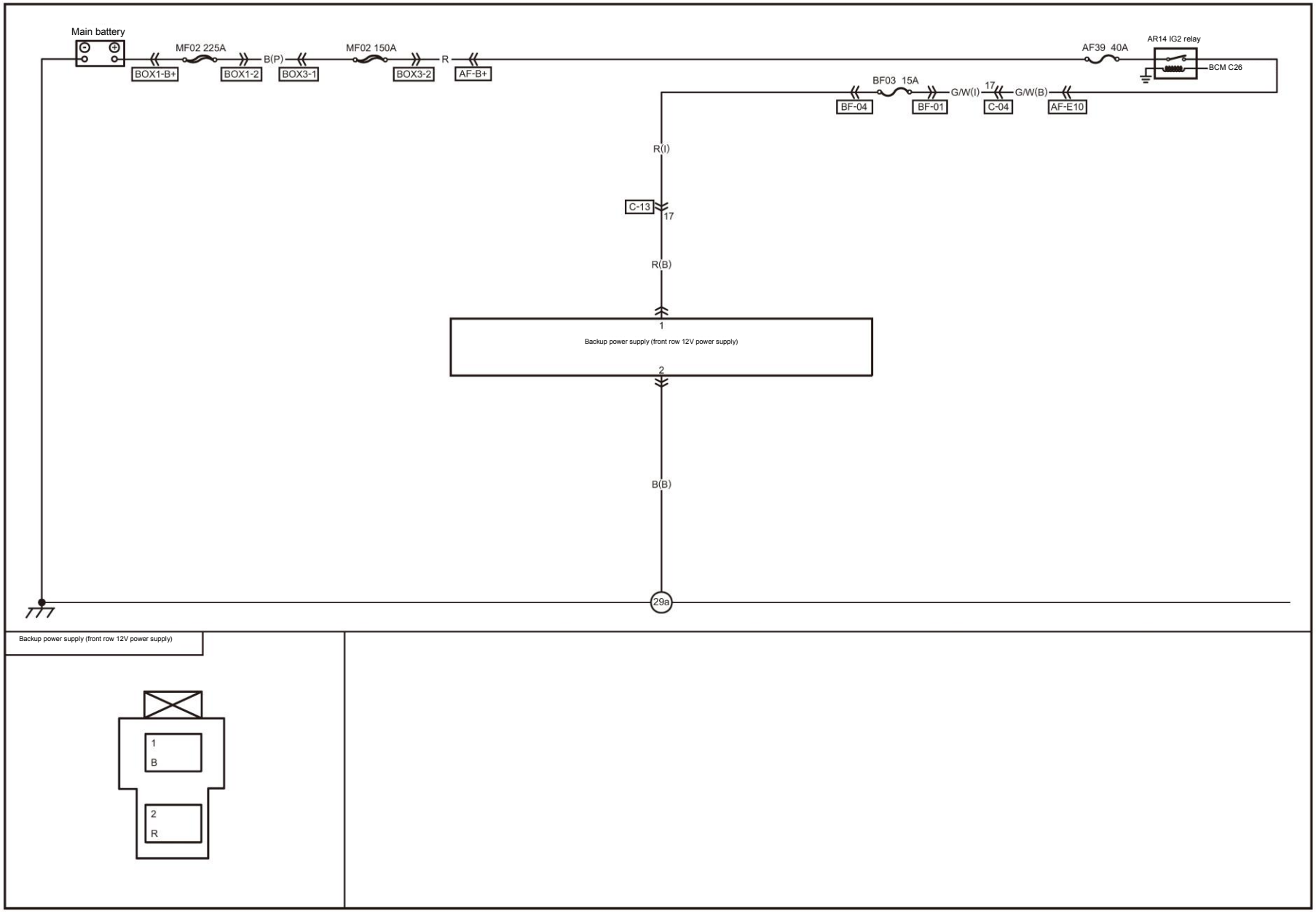
220V power supply

BO-SC-2



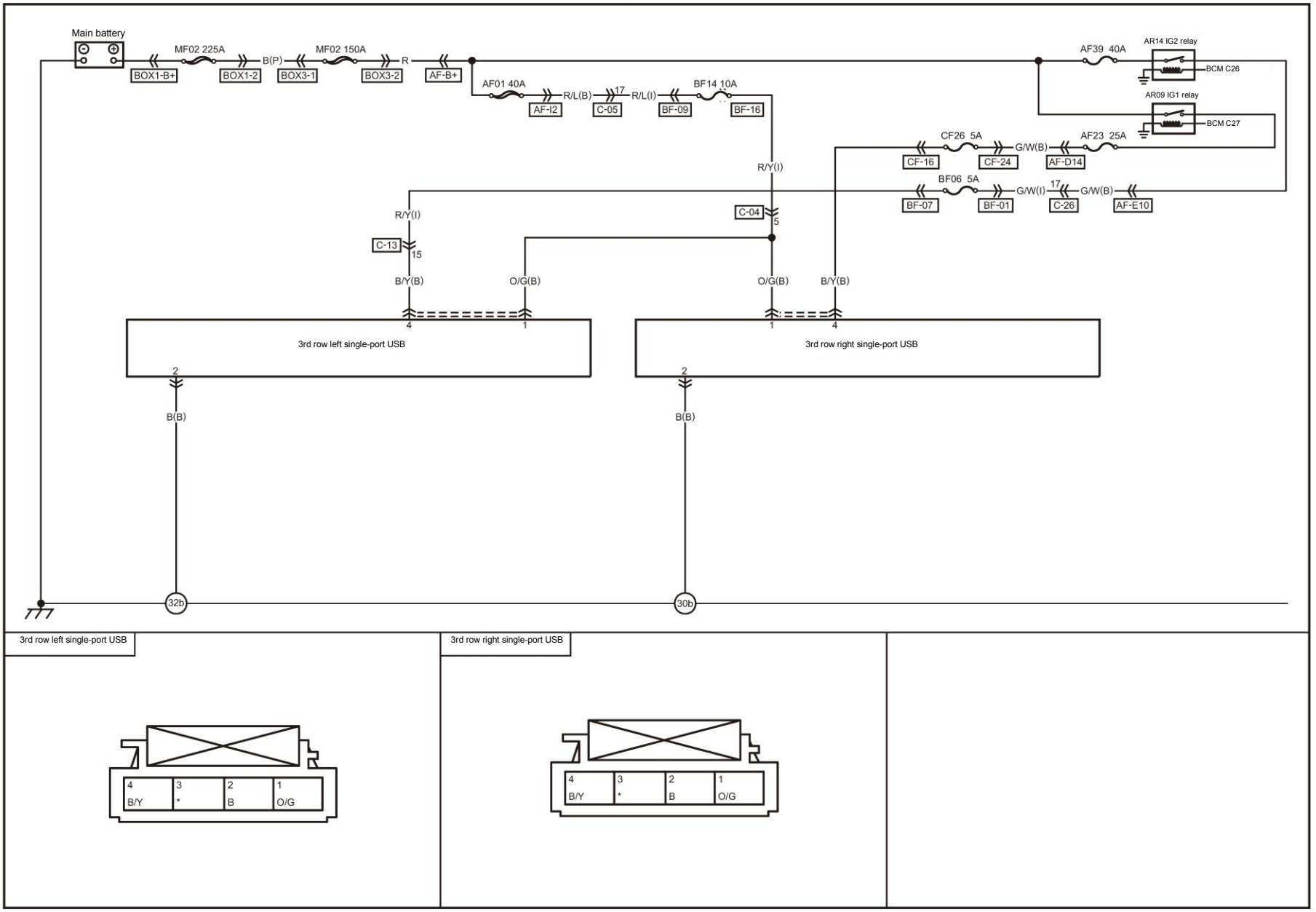
12 V backup power supply

BO-SC-3



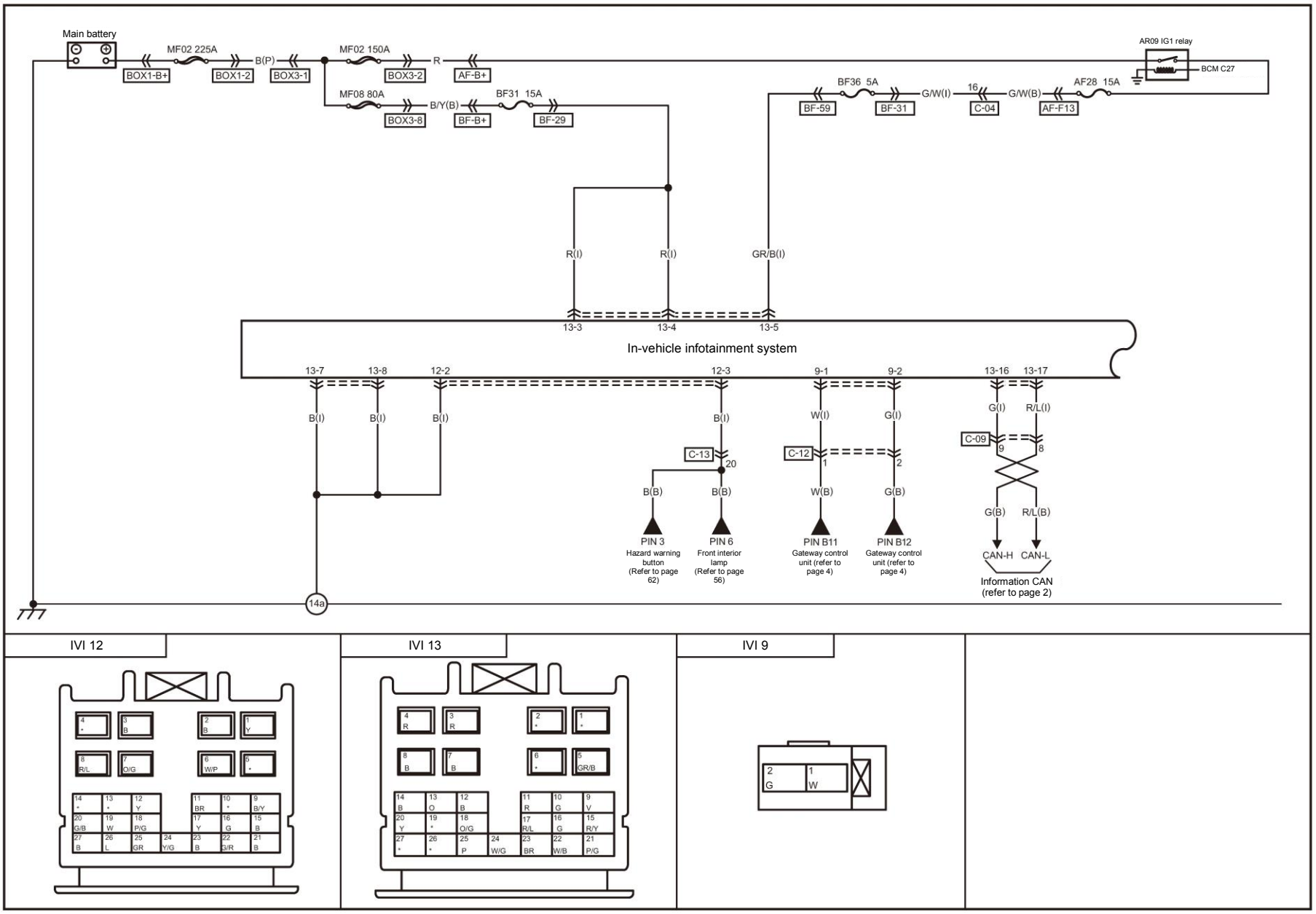
Left and right 3rd-row USB

BO-SC-4



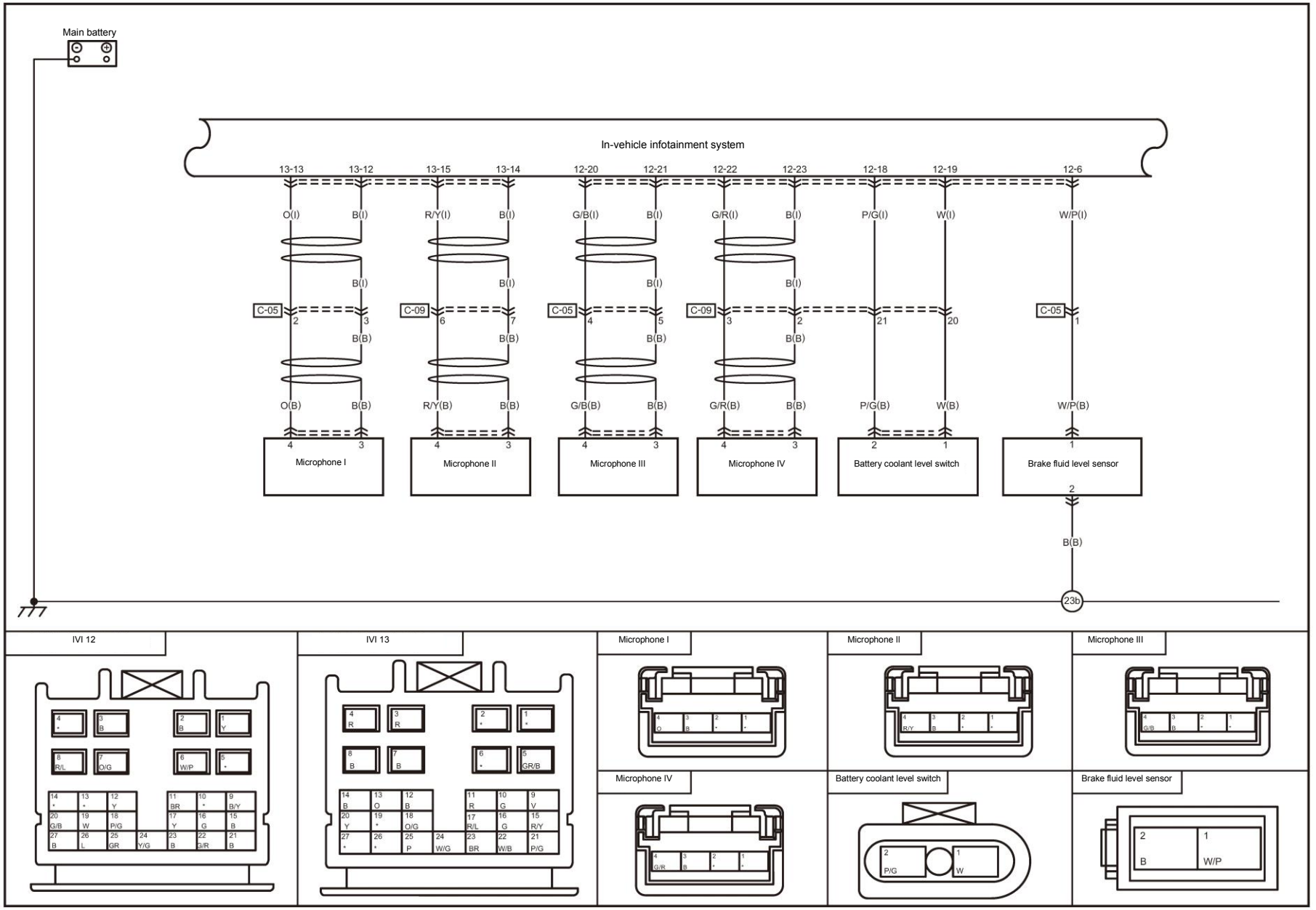
Entertainment host

BO-ER-1a



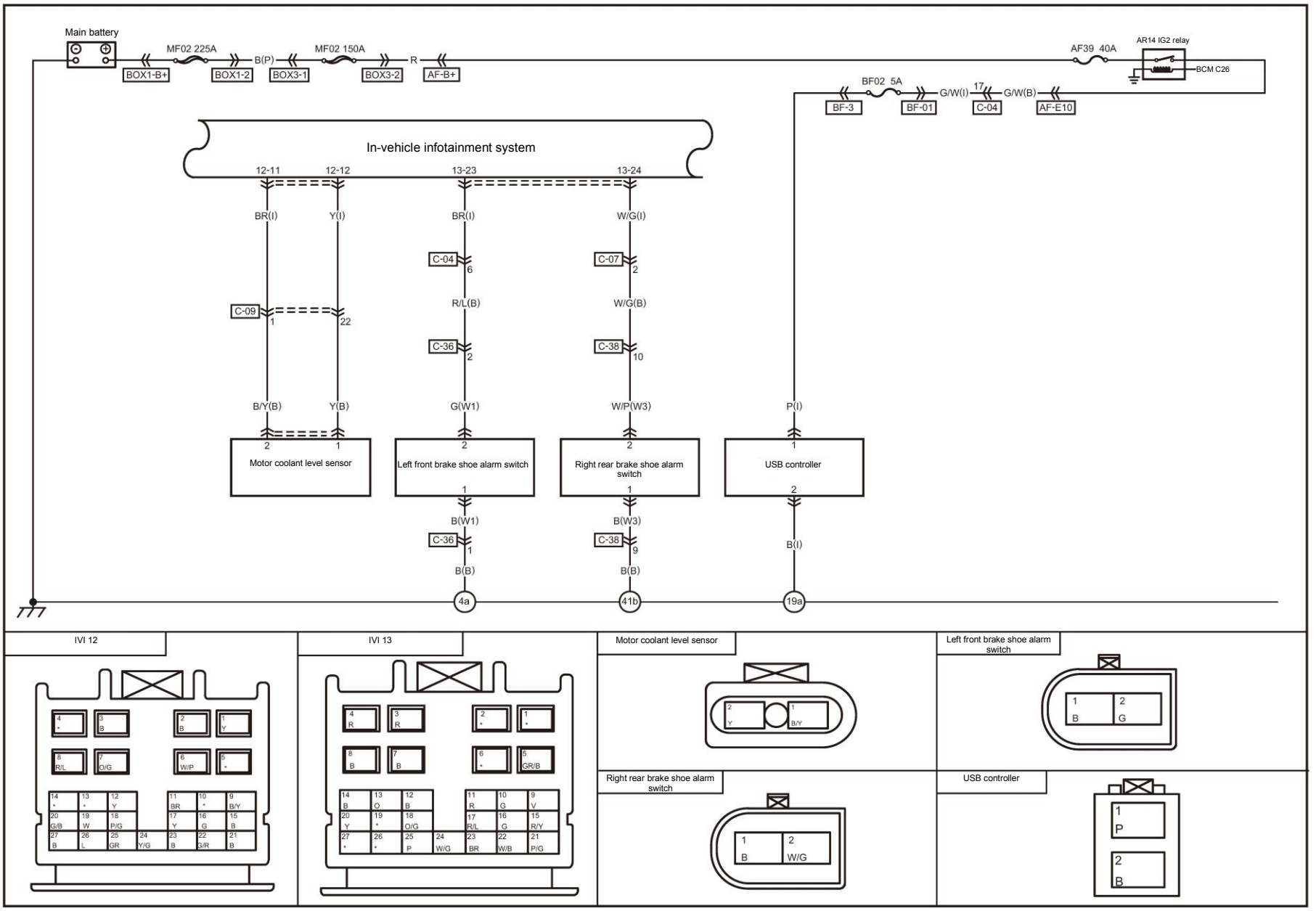
Entertainment host

BO-ER-1b



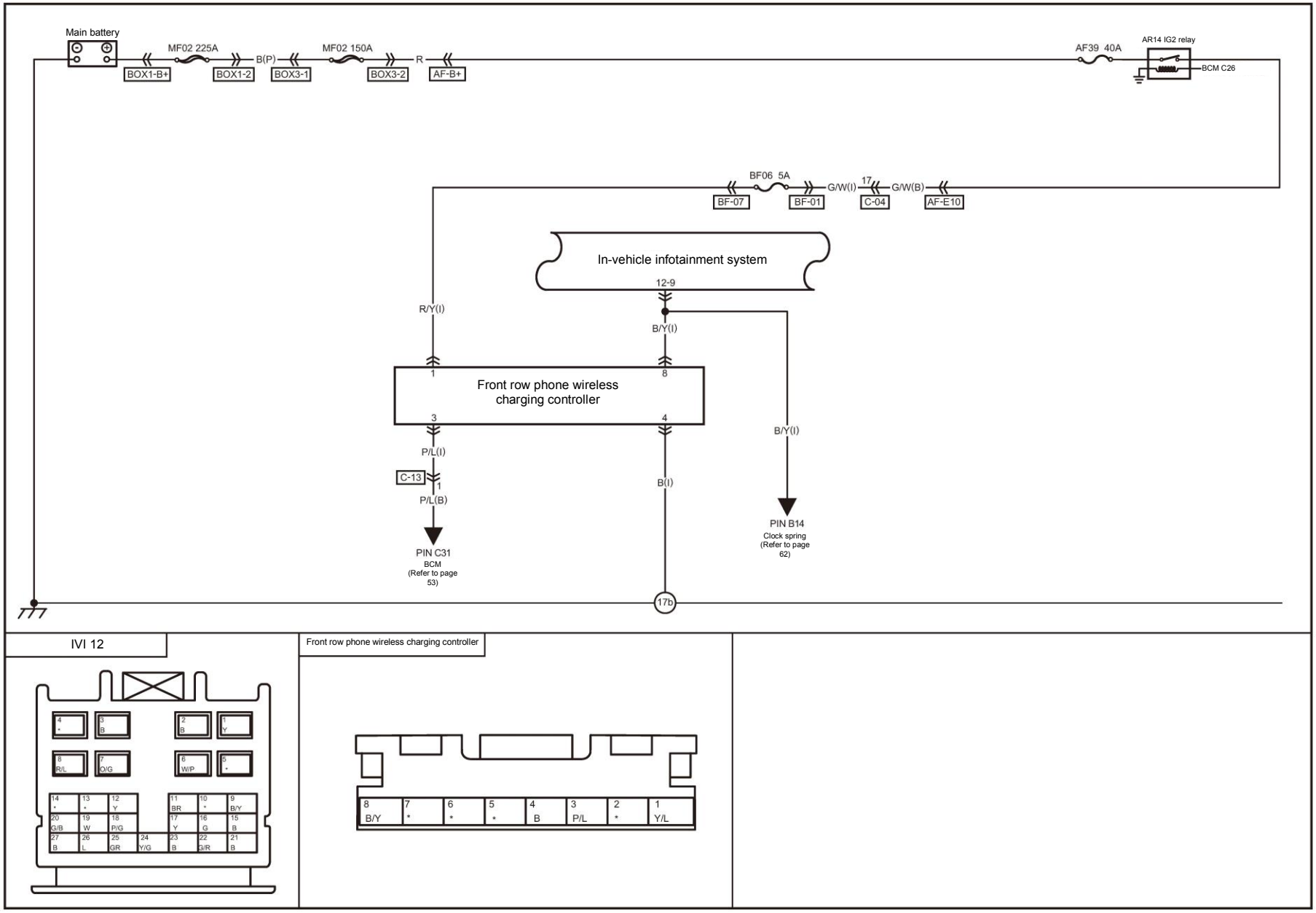
Entertainment host

BO-ER-1c



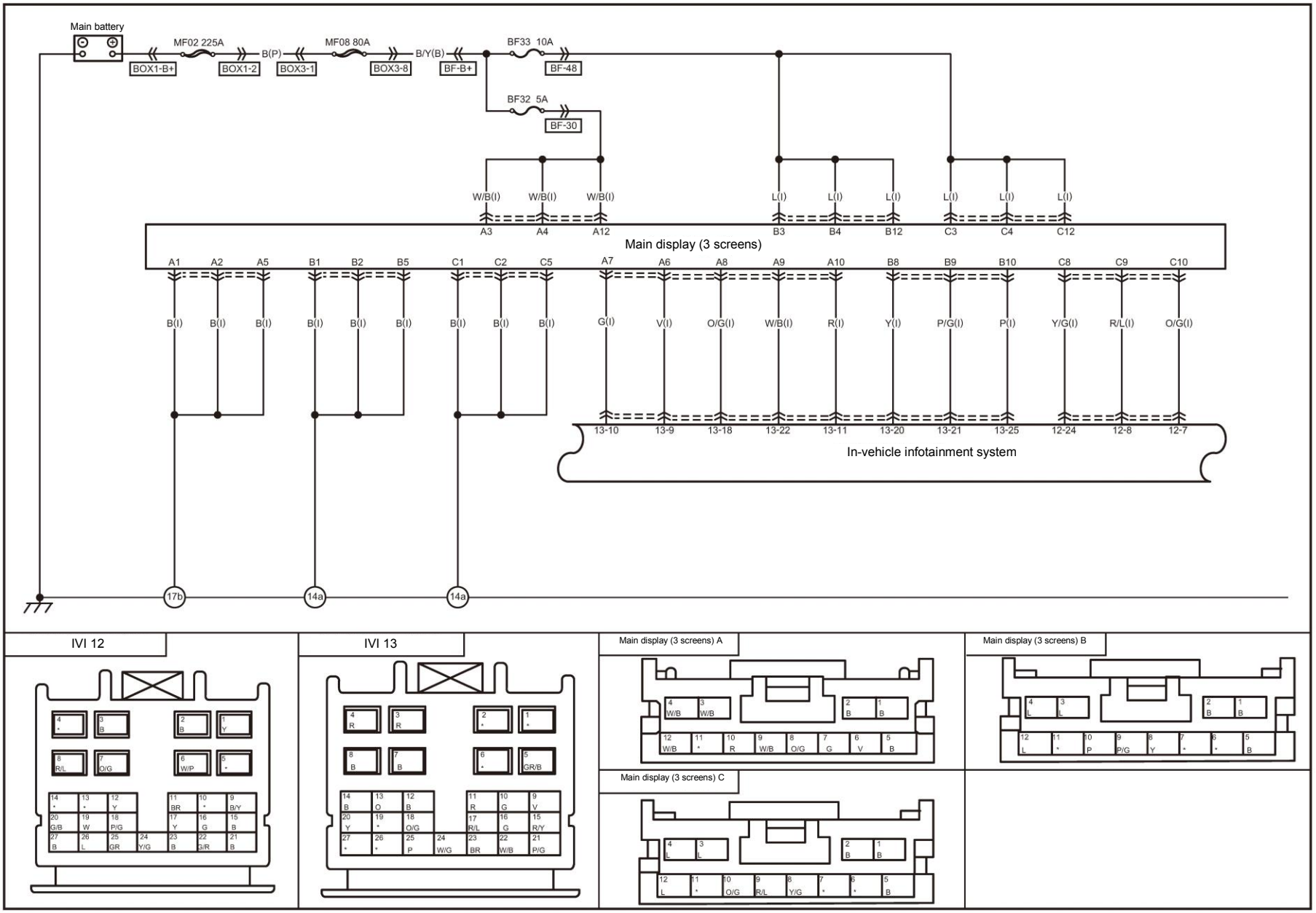
Entertainment host

BO-ER-1d



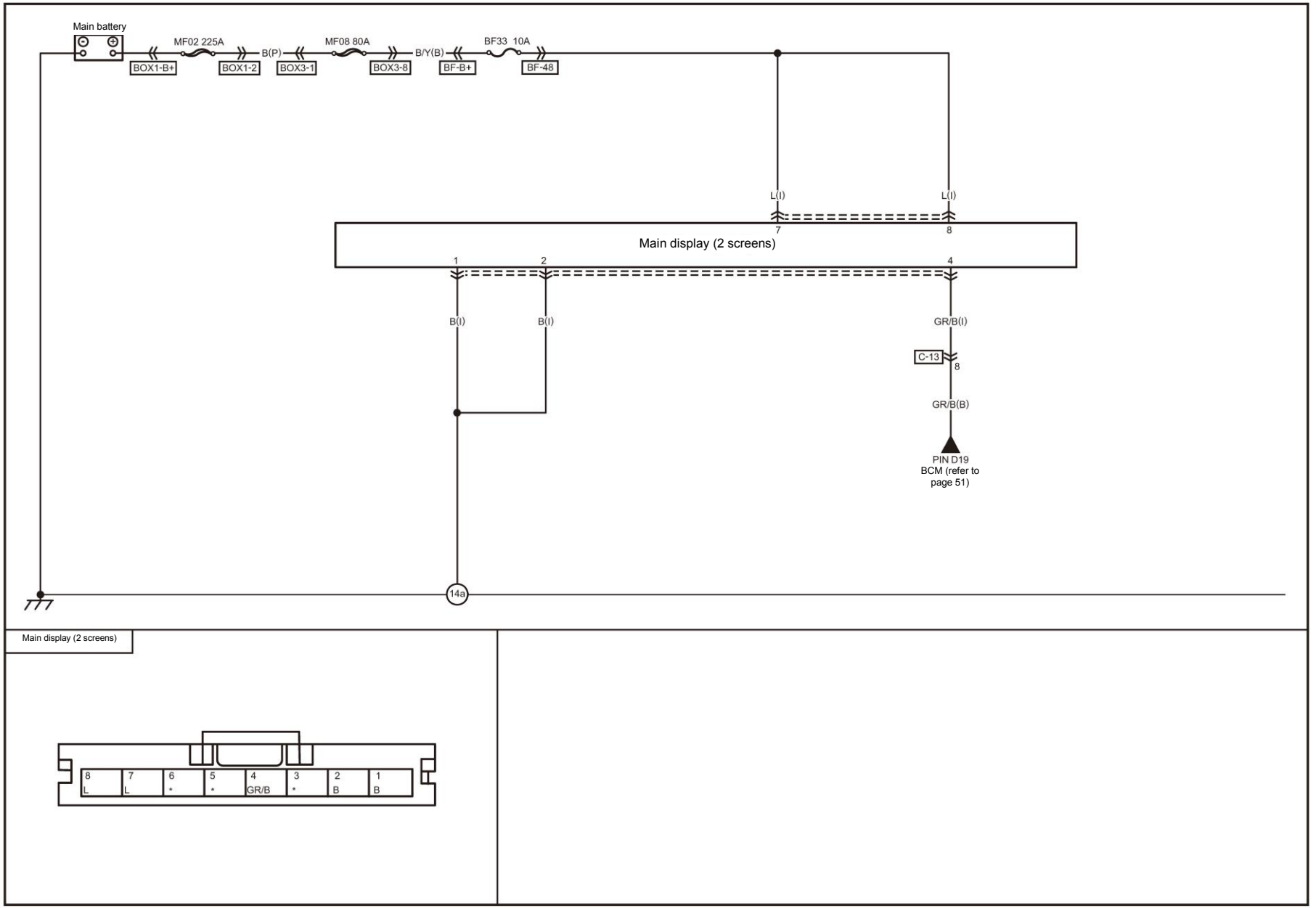
Entertainment host

BO-ER-1e



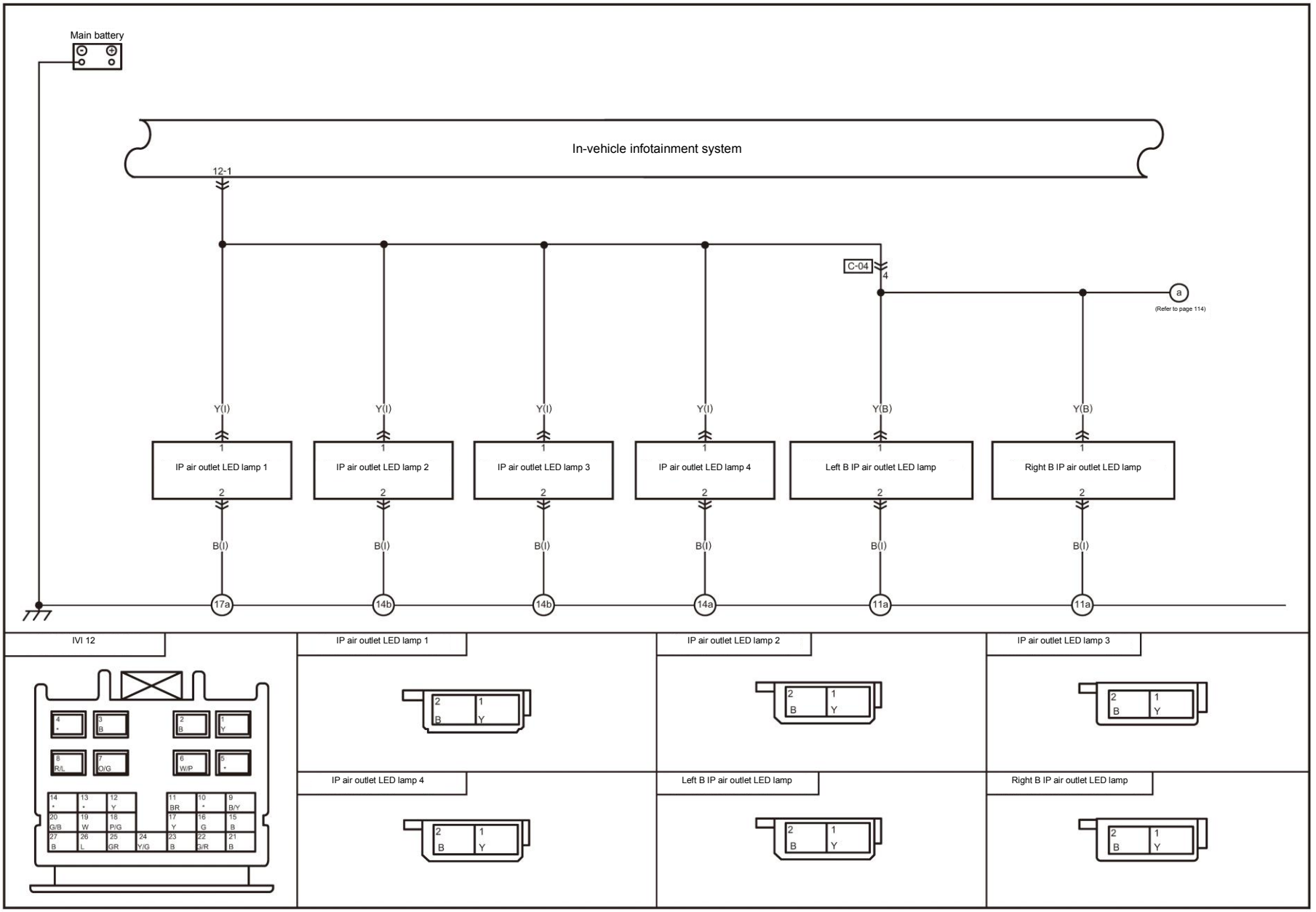
Entertainment host

BO-ER-1f



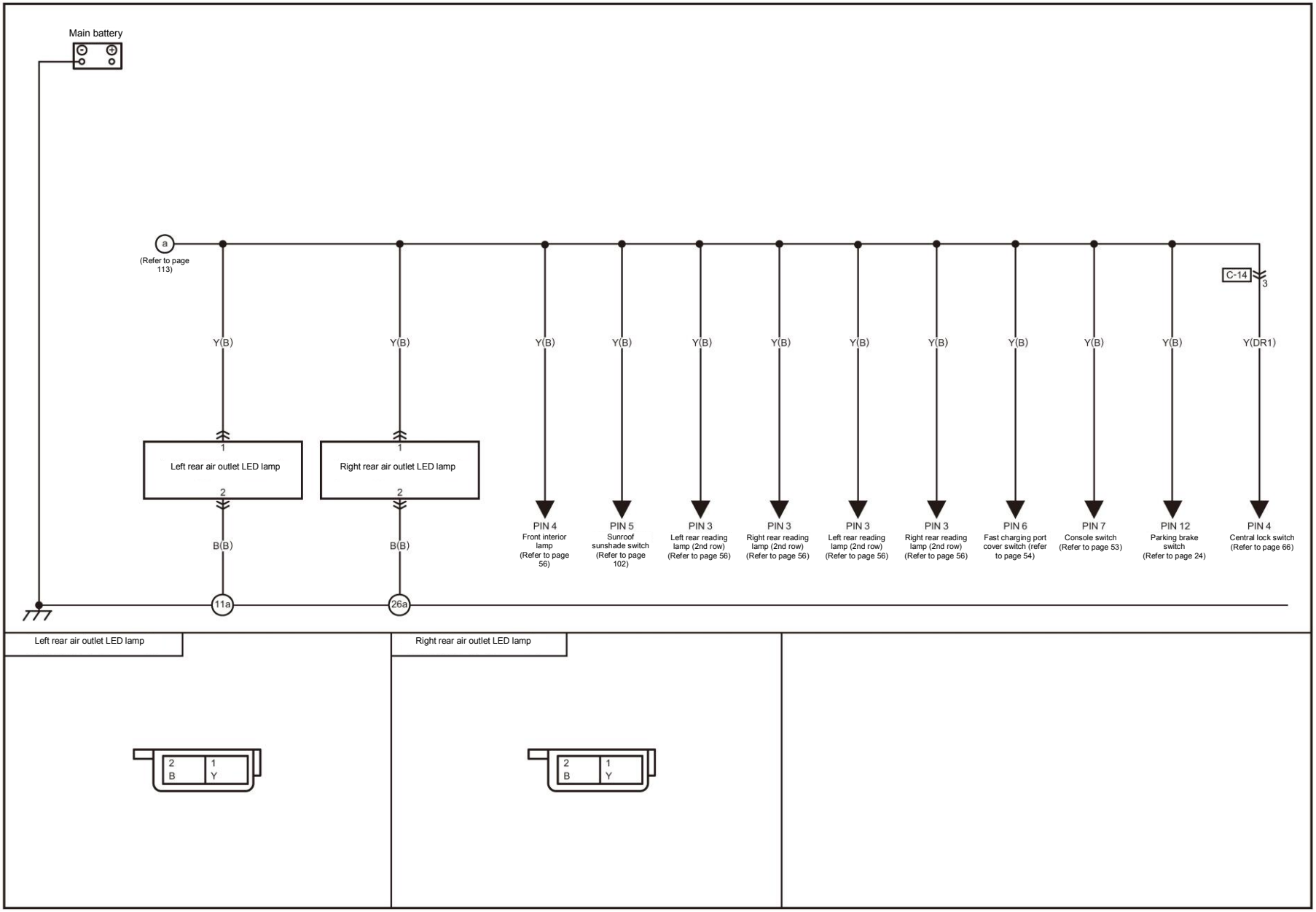
Entertainment host

BO-ER-1g



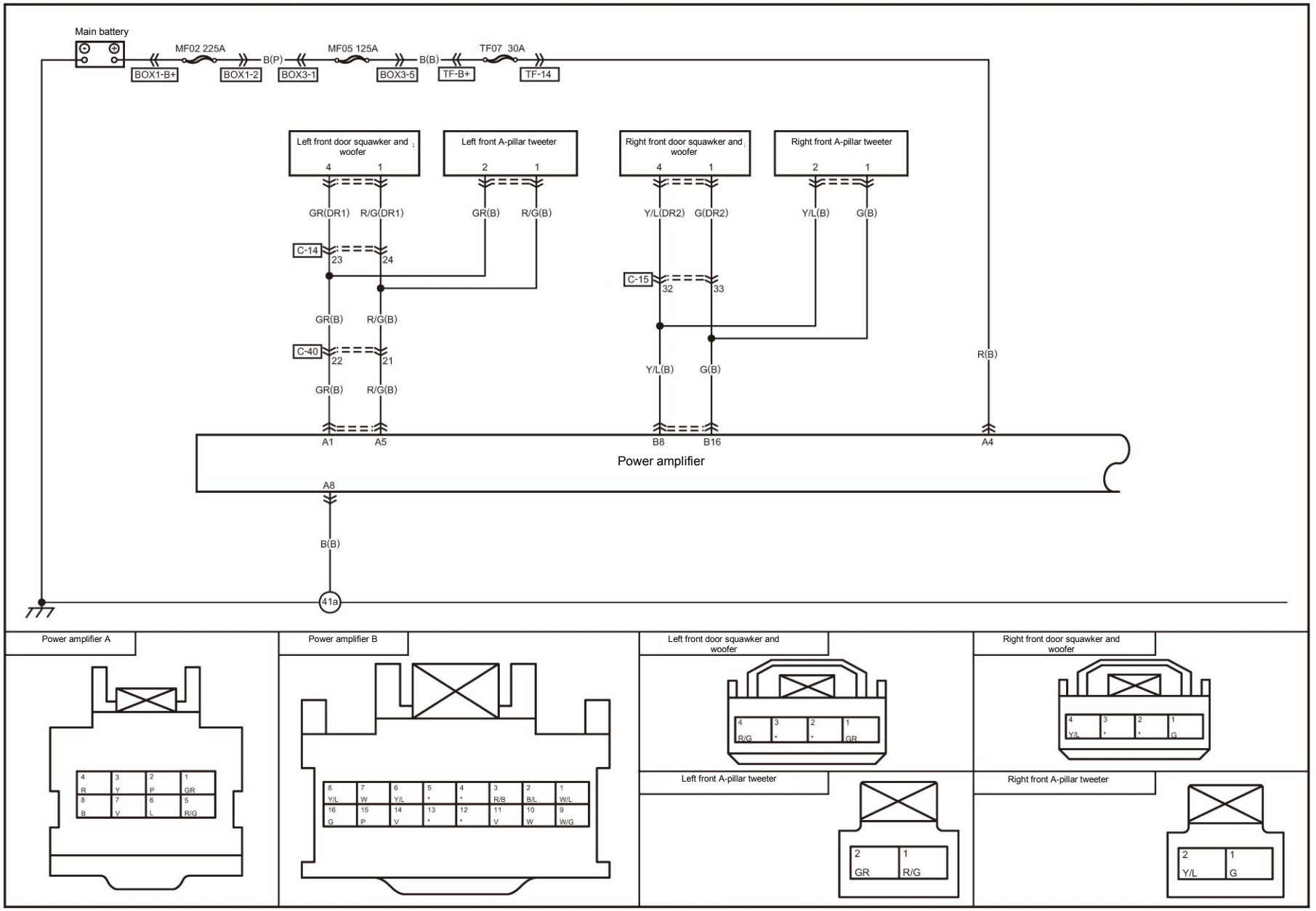
Entertainment host

BO-ER-1h



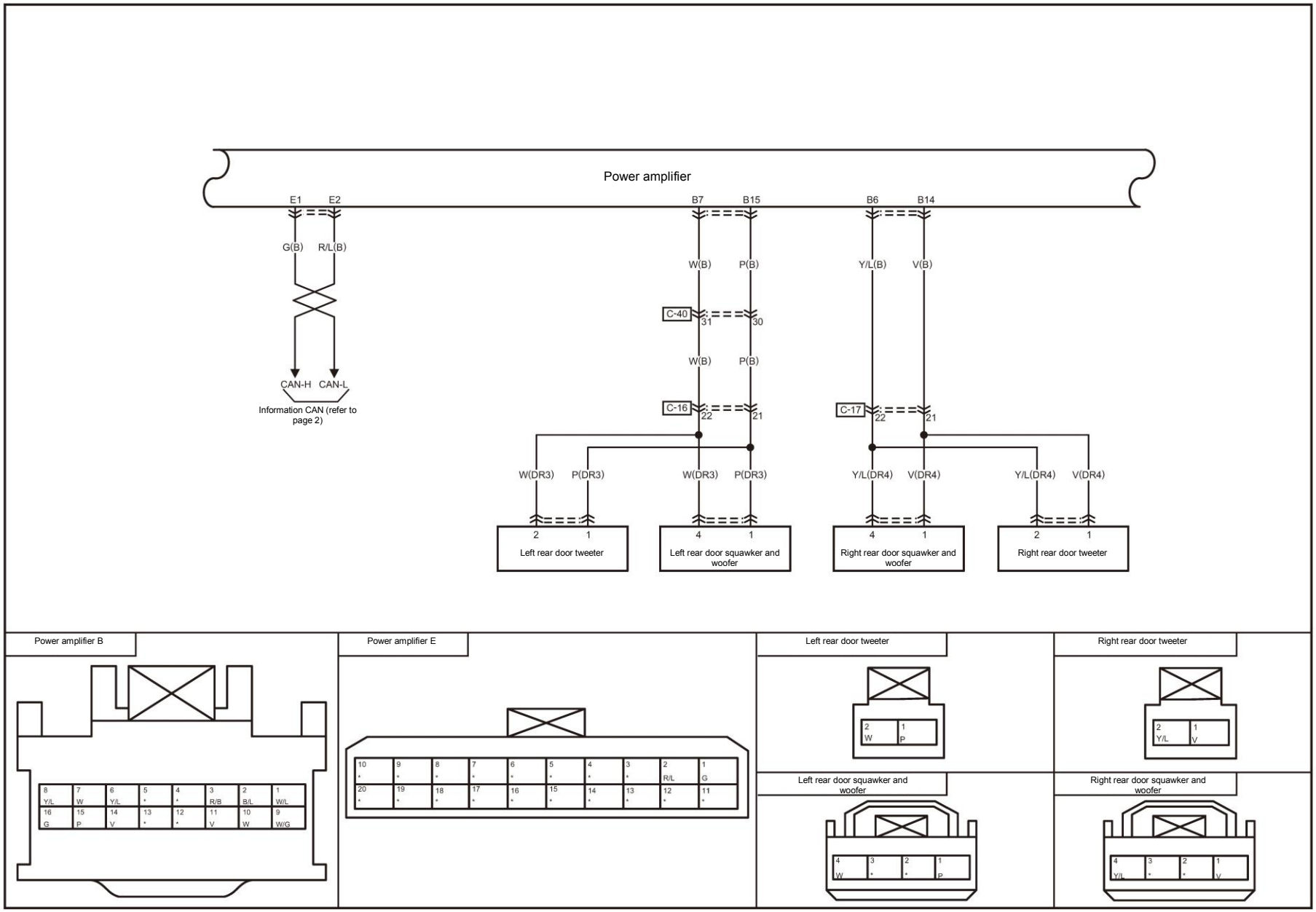
Power amplifier - premium

BO-ER-2a



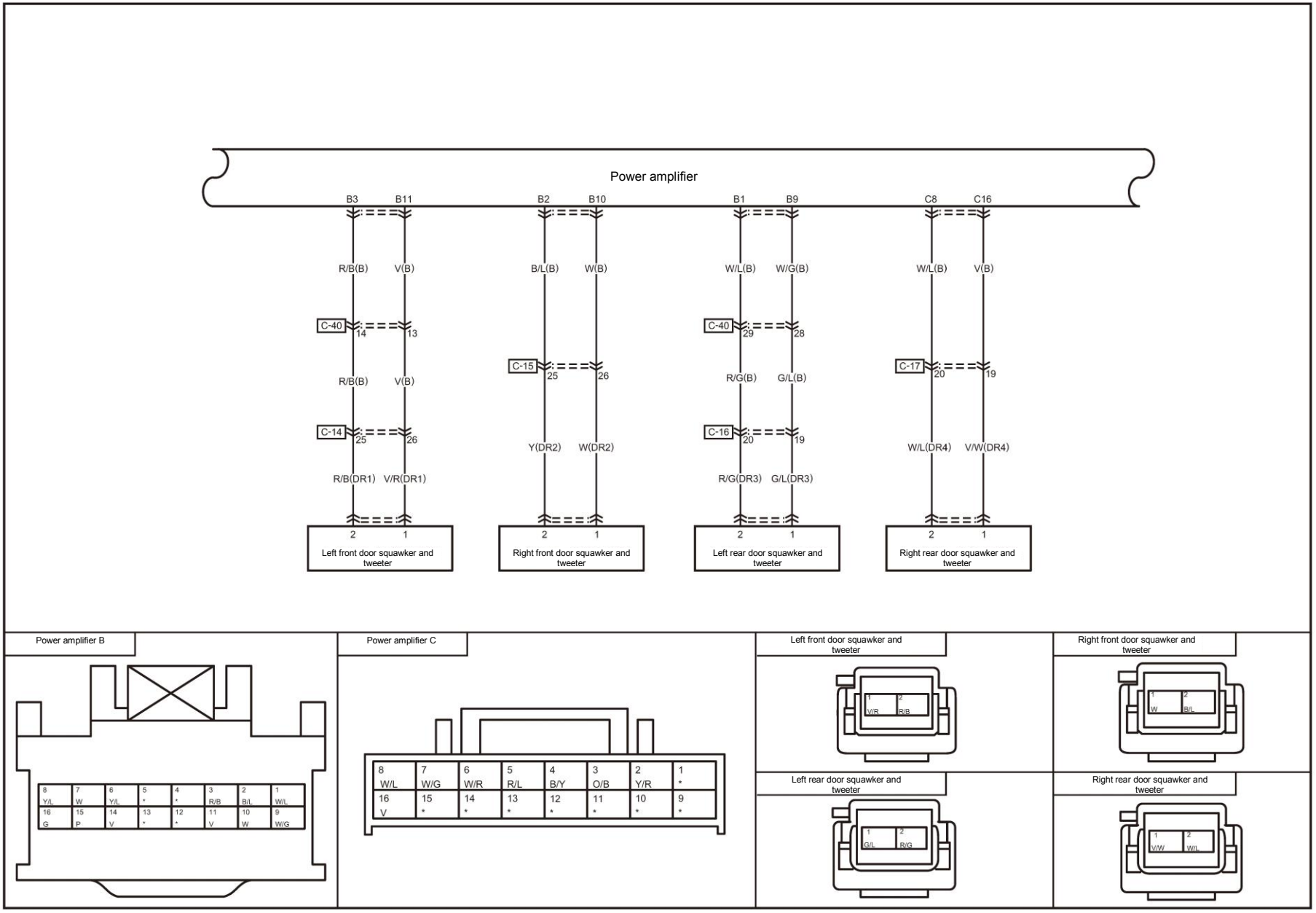
Power amplifier - premium

BO-ER-2b



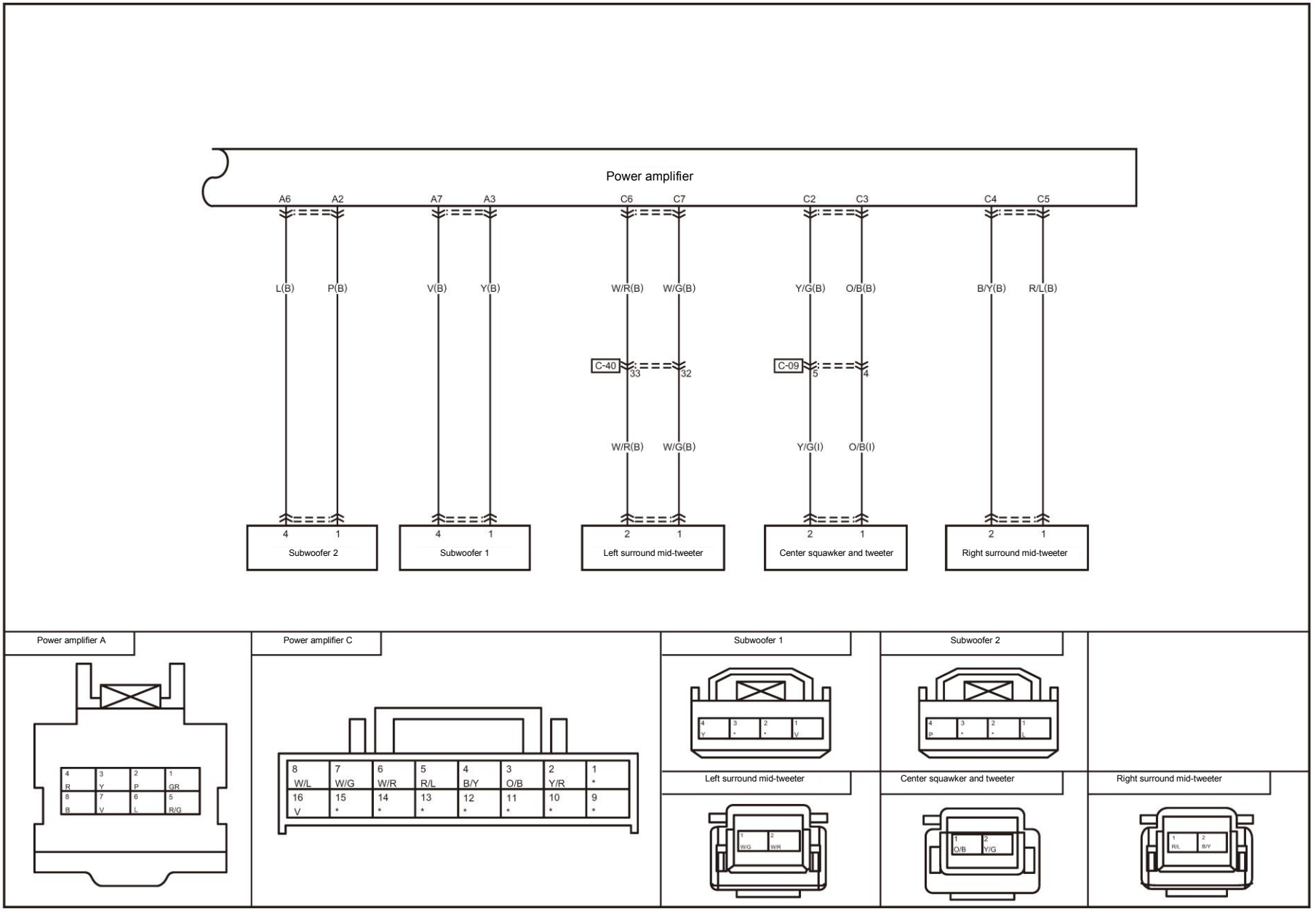
Power amplifier - premium

BO-ER-2c



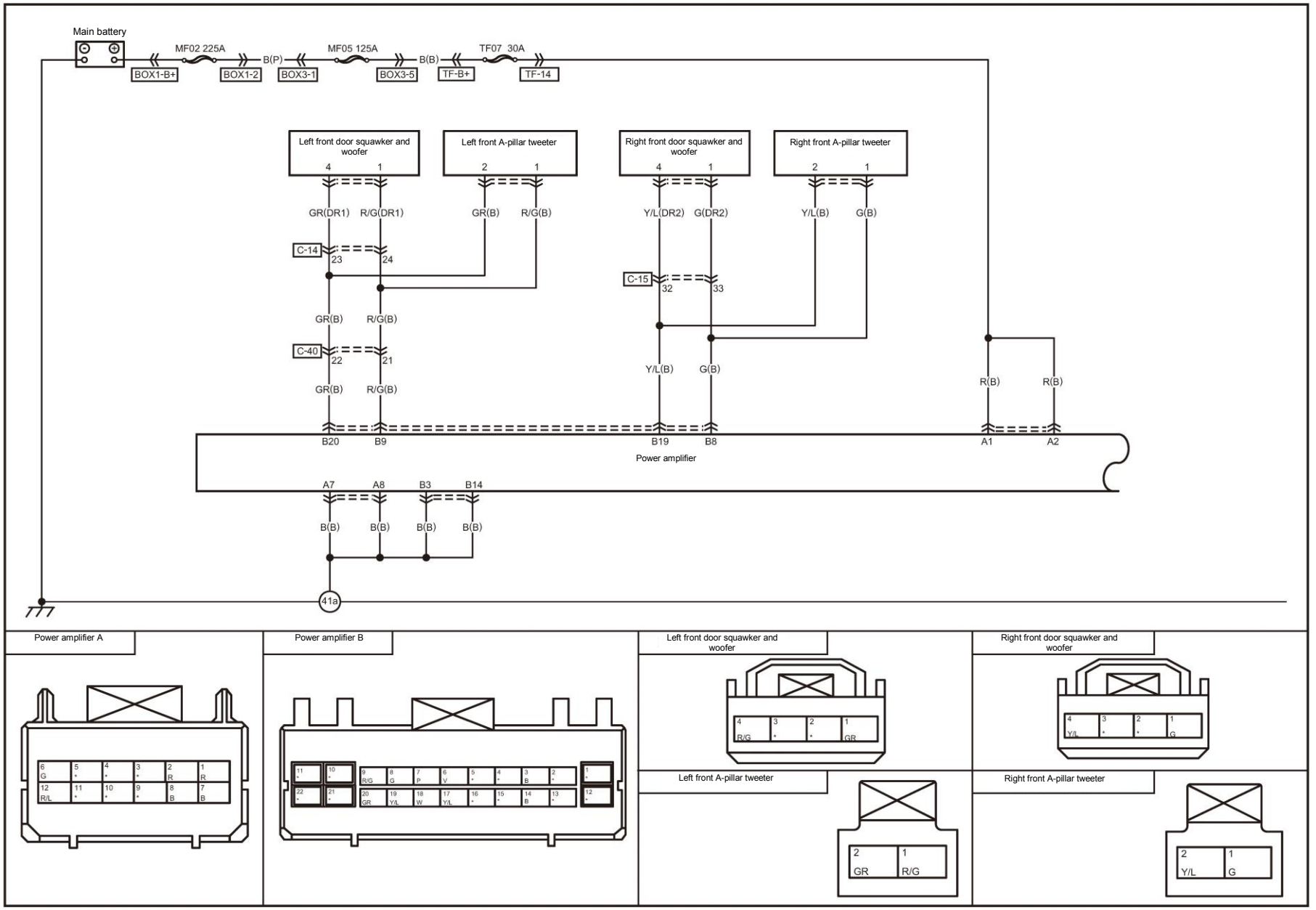
Power amplifier - premium

BO-ER-2d



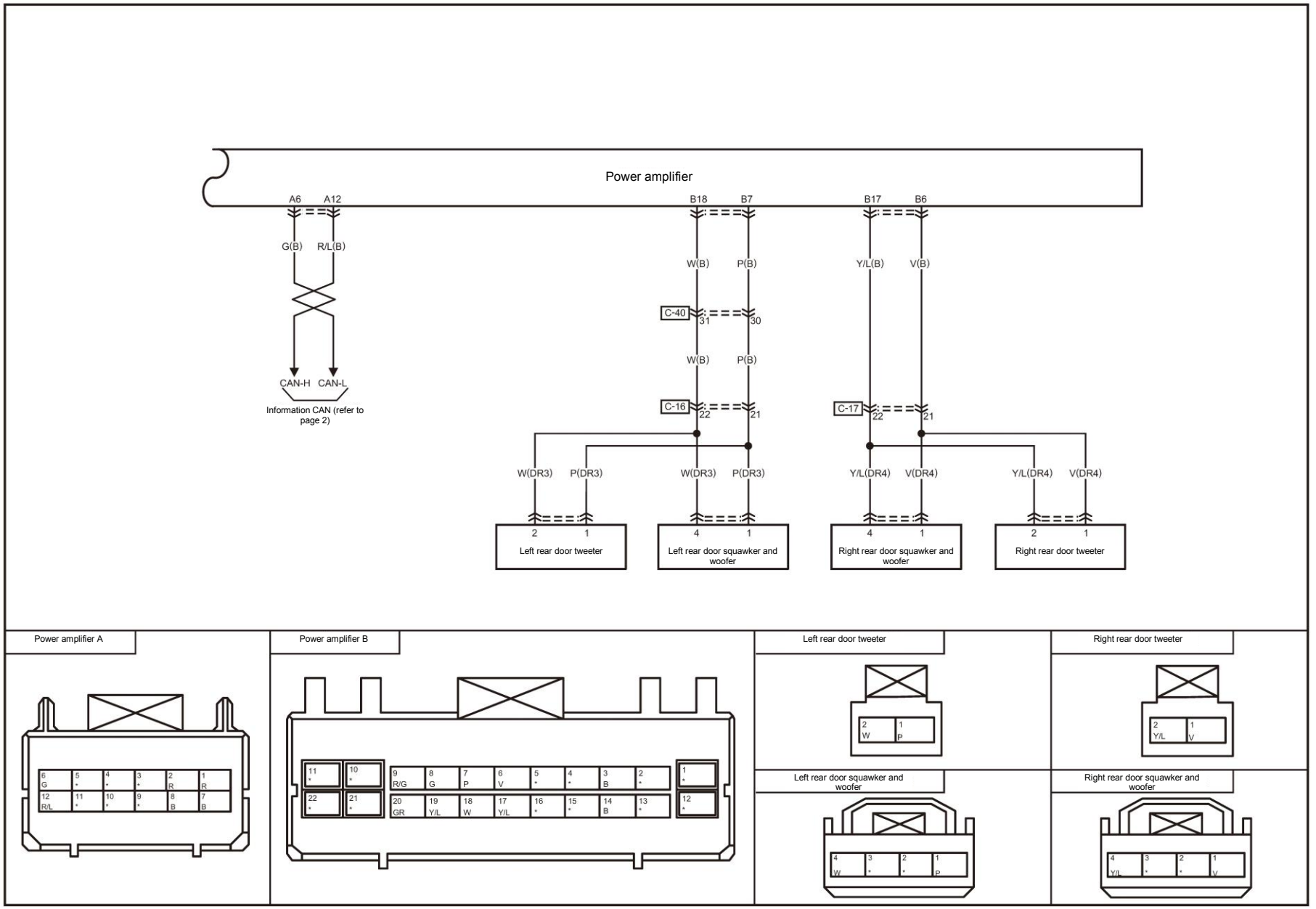
Power amplifier - base

BO-ER-2e



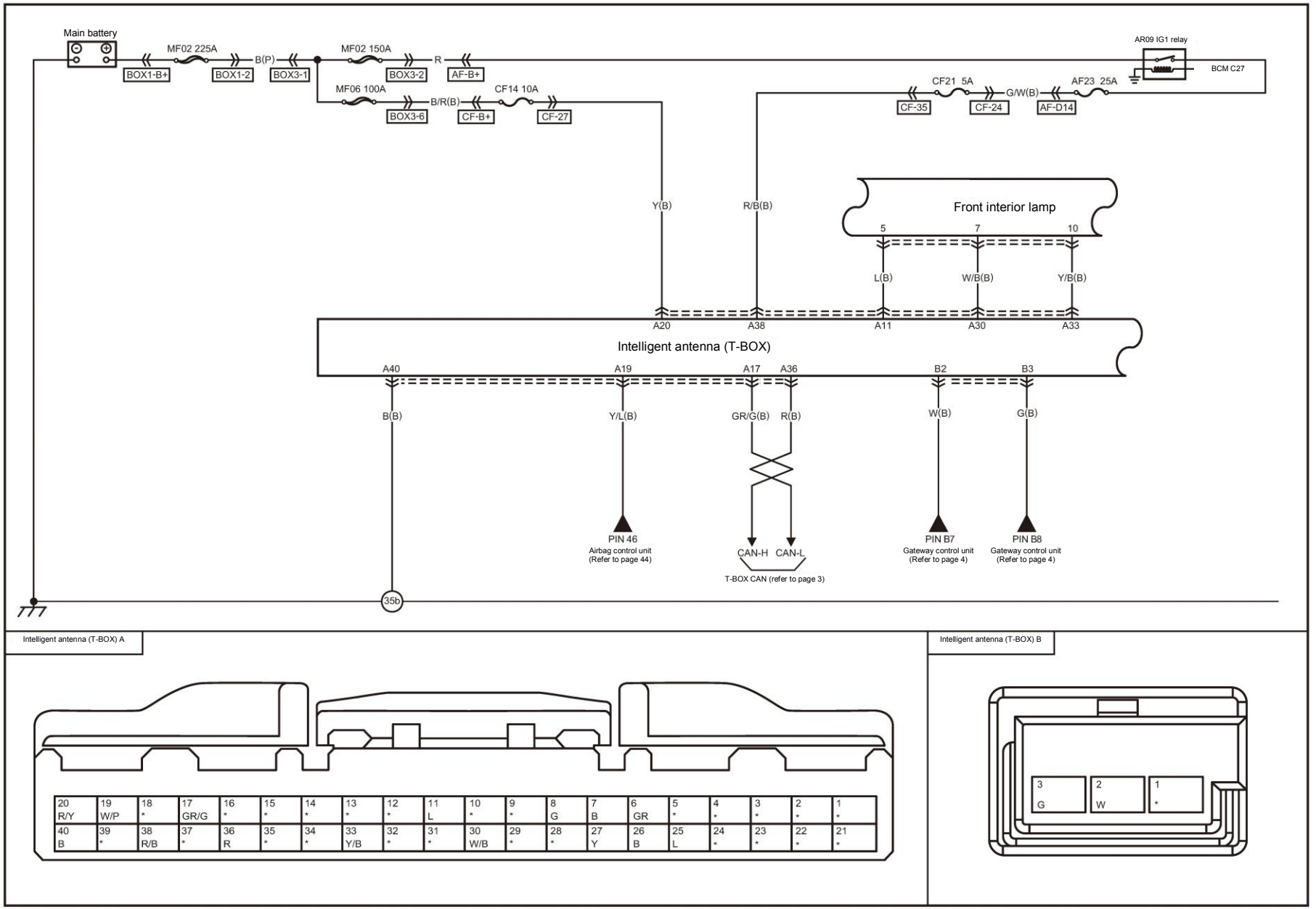
Power amplifier - base

BO-ER-2f



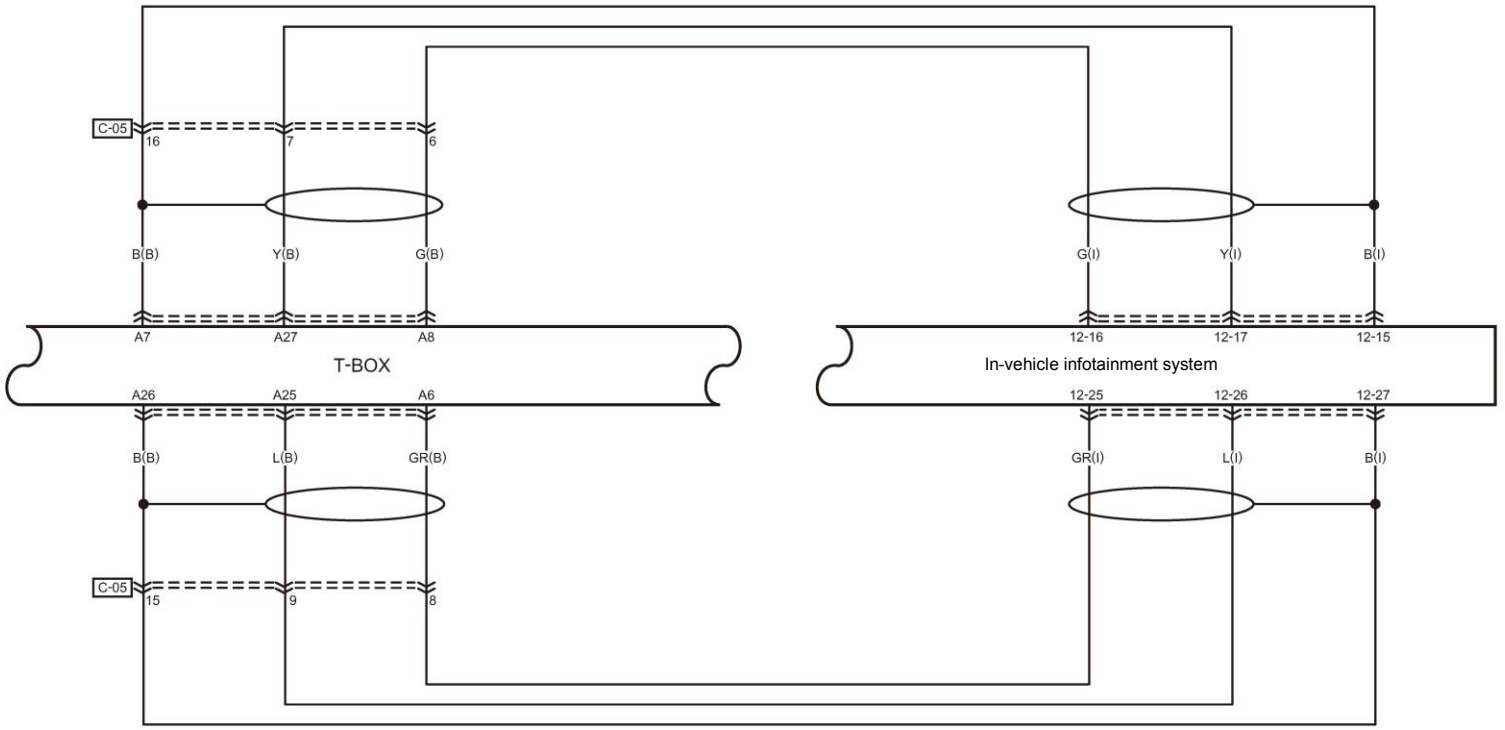
T-BOX

BO-TB-1a

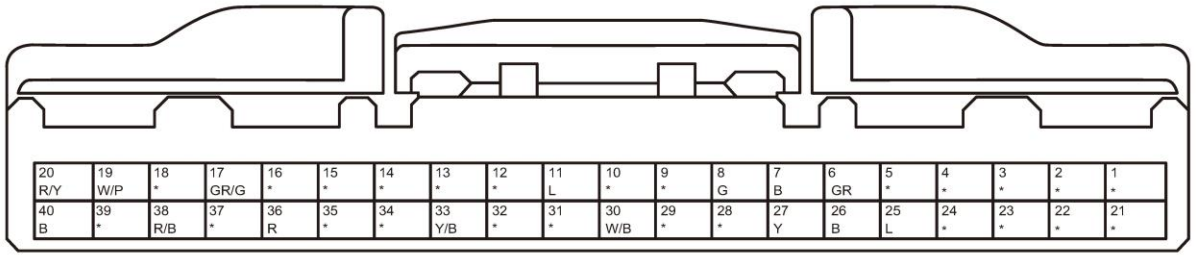

Main battery
MF02 225A
BOX1-B+
BOX1-2
B(P)
BOX3-1
MF02 150A
BOX3-2
R
AF-B+
MF06 100A
BOX3-6
B/R(B)
CF-B+
CF14 10A
CF-27
AR09 IG1 relay
BCM C27
CF21 5A
CF-35
G/W(B)
CF-24
AF23 25A
AF-D14
Y(B)
R/B(B)
Front interior lamp
5
7
10
L(B)
W/B(B)
Y/B(B)
A20
A38
A11
A30
A33
Intelligent antenna (T-BOX)
A40
A19
A17
A36
B2
B3
B(B)
Y/L(B)
GR/G(B)
R(B)
W(B)
G(B)
PIN 46
Airbag control unit
(Refer to page 44)
CAN-H
CAN-L
T-BOX CAN (refer to page 3)
PIN B7
Gateway control unit
(Refer to page 4)
PIN B8
Gateway control unit
(Refer to page 4)
35b
Intelligent antenna (T-BOX) A
20 R/Y
19 W/P
18 *
17 GR/G
16 *
15 *
14 *
13 *
12 *
11 L
10 *
9 *
8 G
7 B
6 GR
5 *
4 *
3 *
2 *
1 *
40 B
39 *
38 R/B
37 *
36 R
35 *
34 *
33 Y/B
32 *
31 *
30 W/B
29 *
28 *
27 Y
26 B
25 L
24 *
23 *
22 *
21 *
Intelligent antenna (T-BOX) B
3 G
2 W
1 *

T-BOX

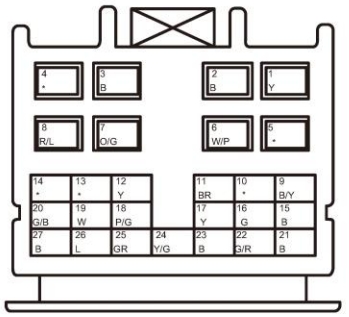
BO-TB-1b



Intelligent antenna (T-BOX) A

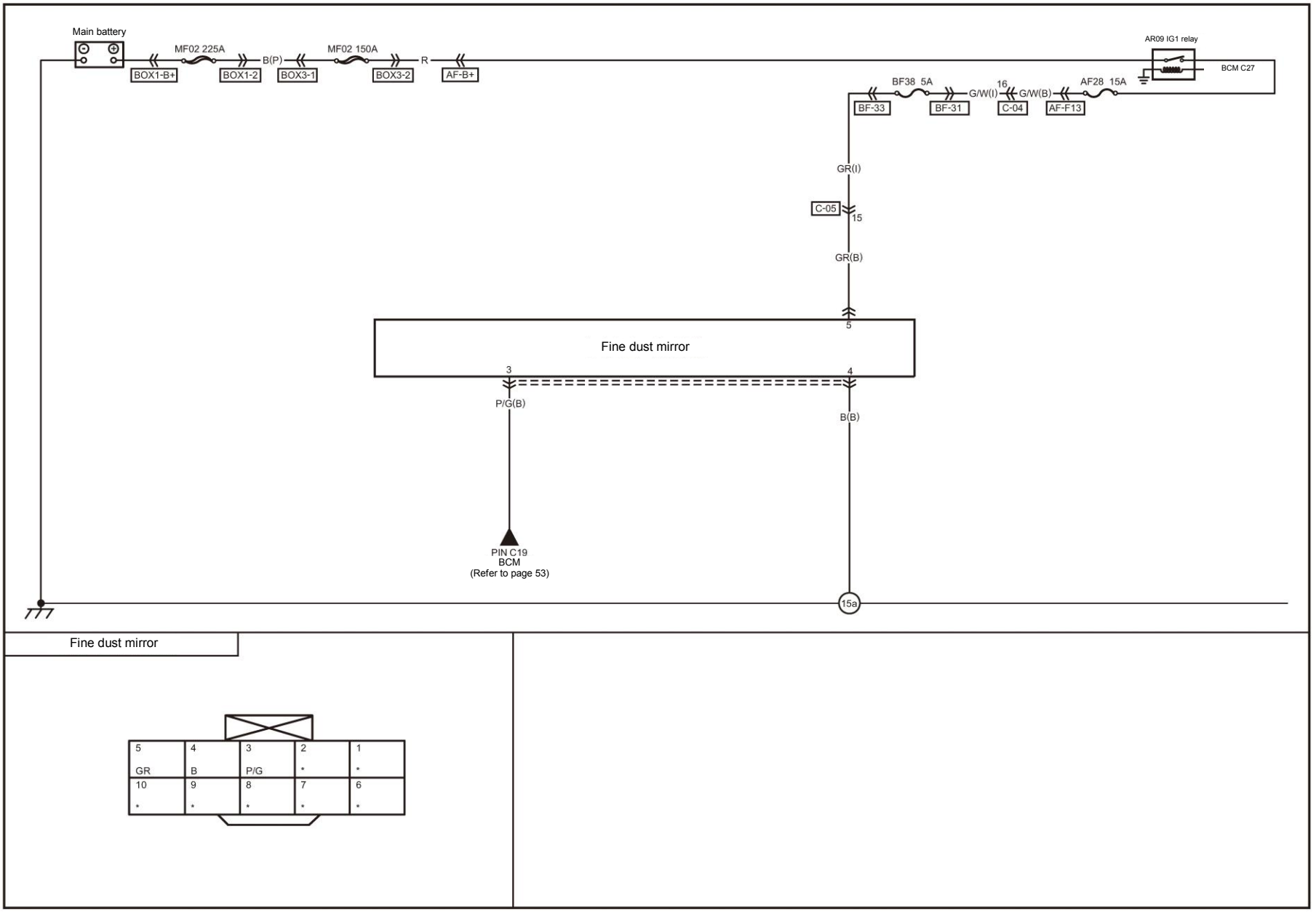


IVI 12



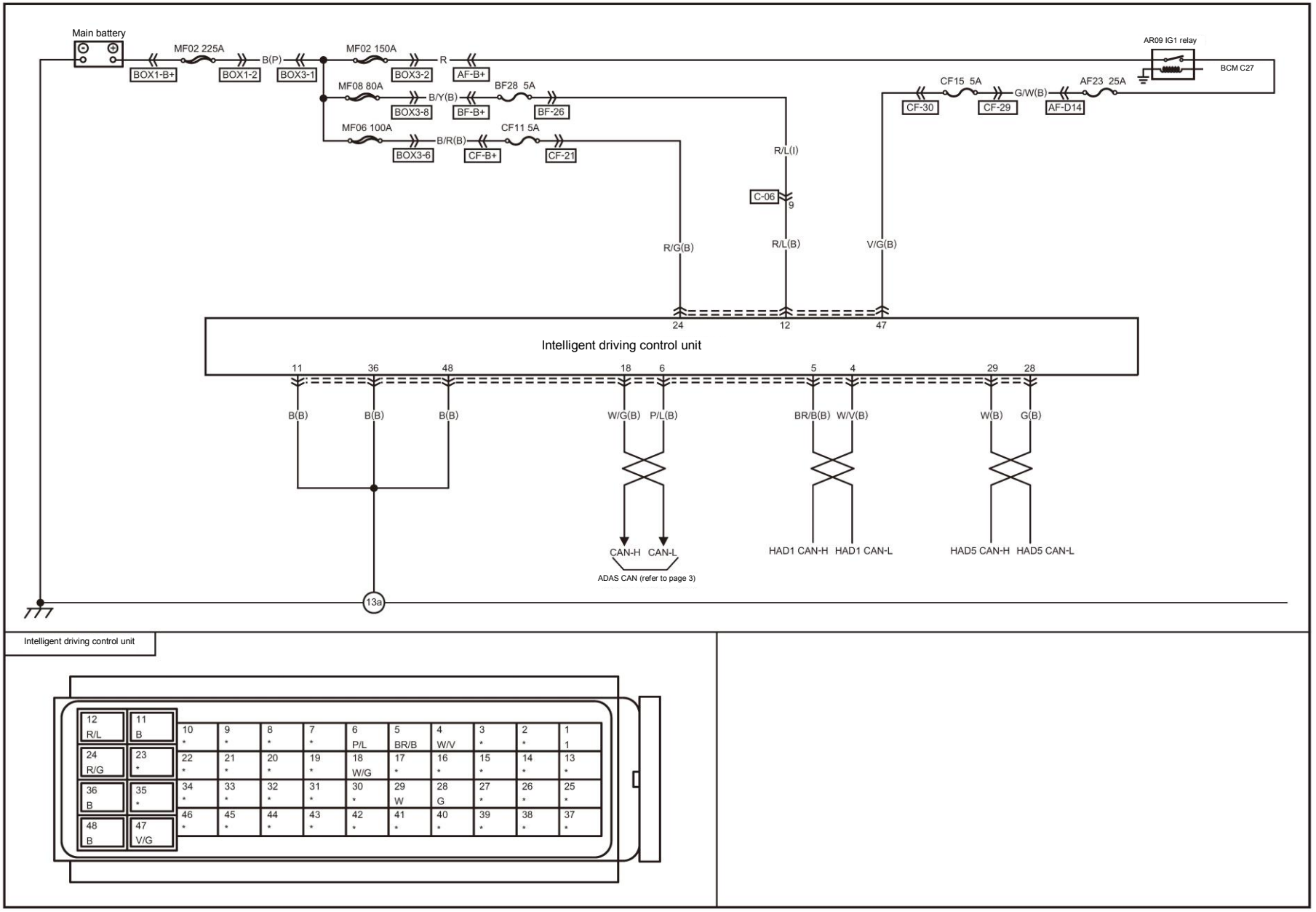
Fine dust mirror

BO-FDM-2



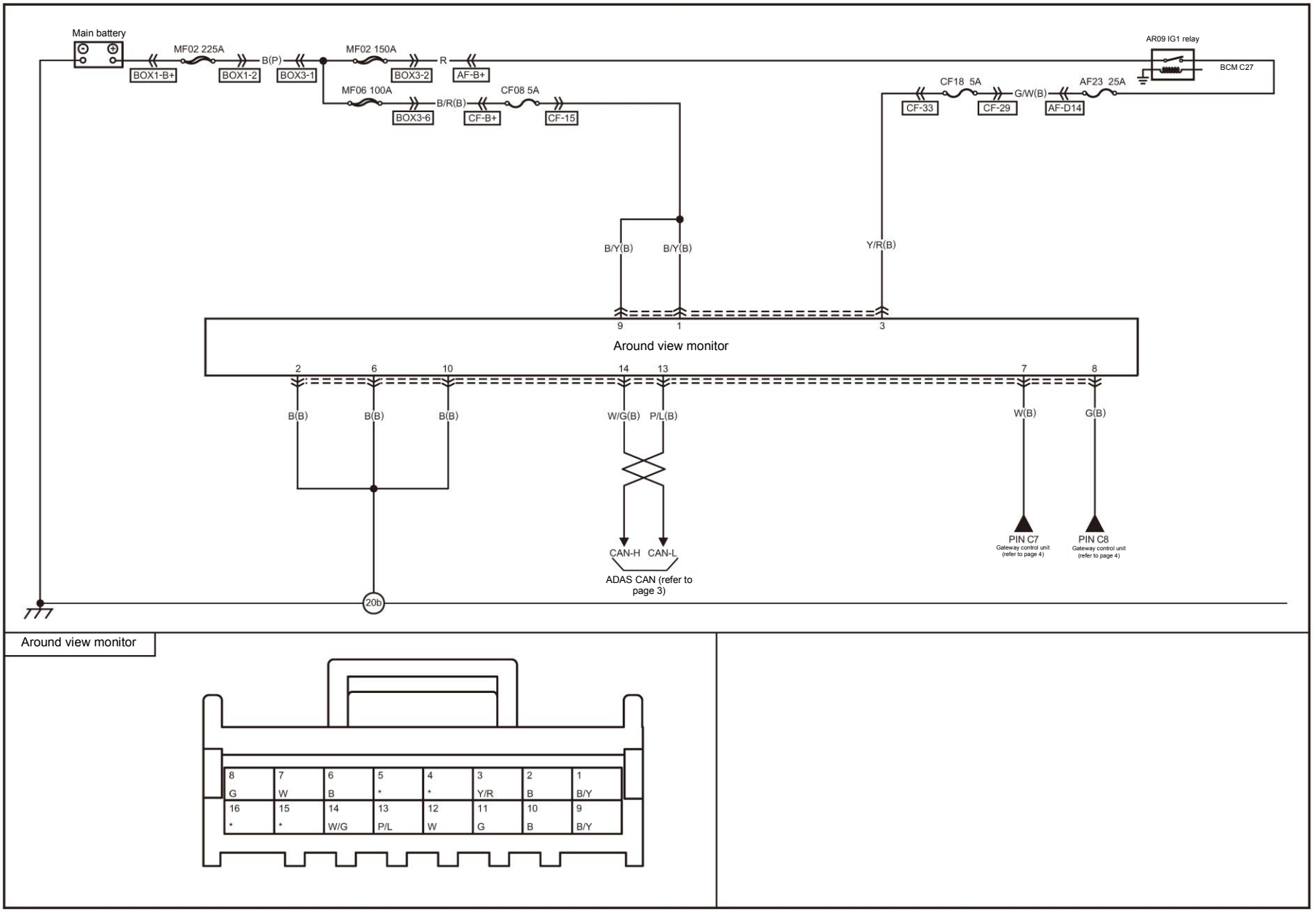
Highly automated driving

BO-AA-1



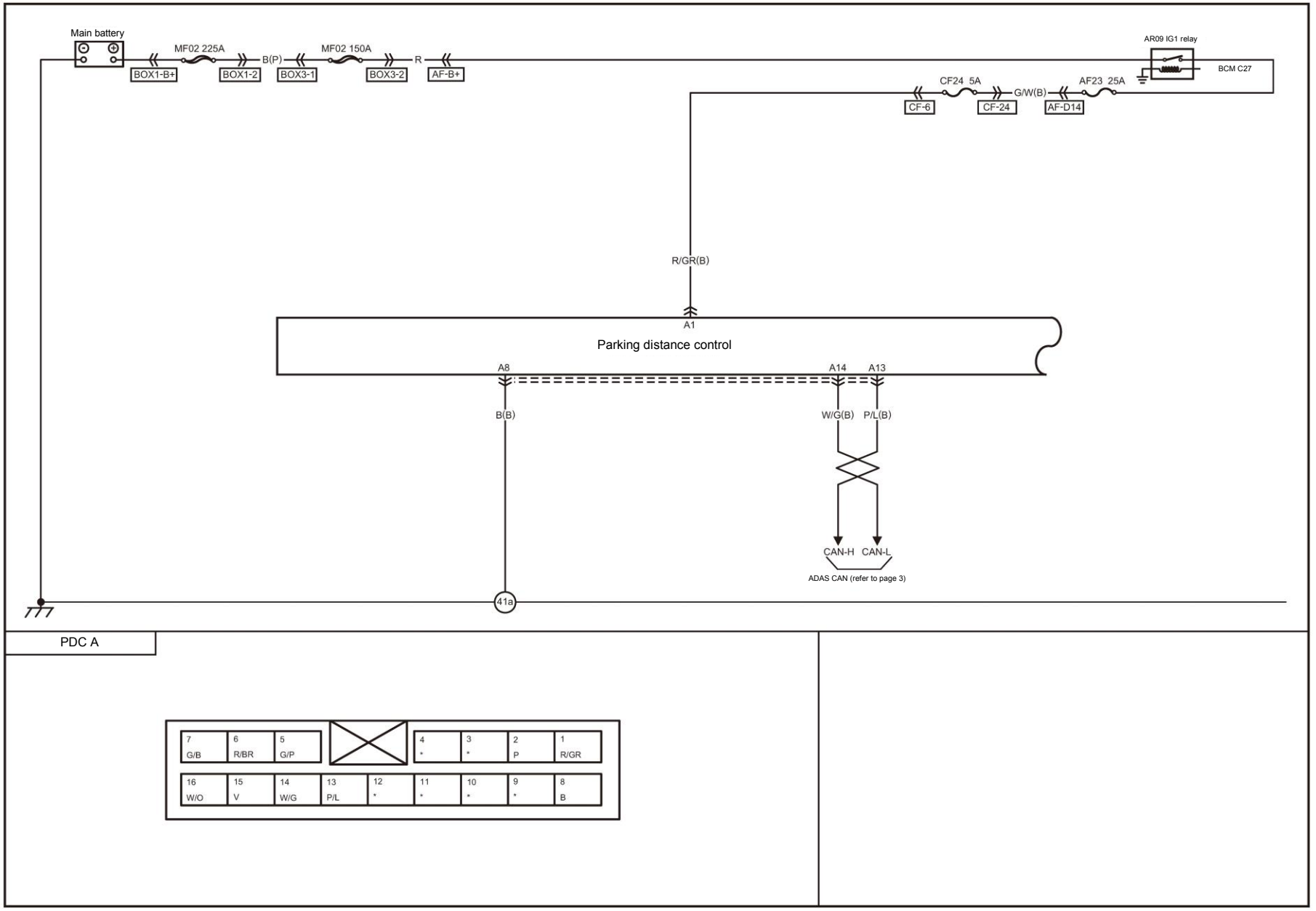
Around view monitor

BO-AVM-1



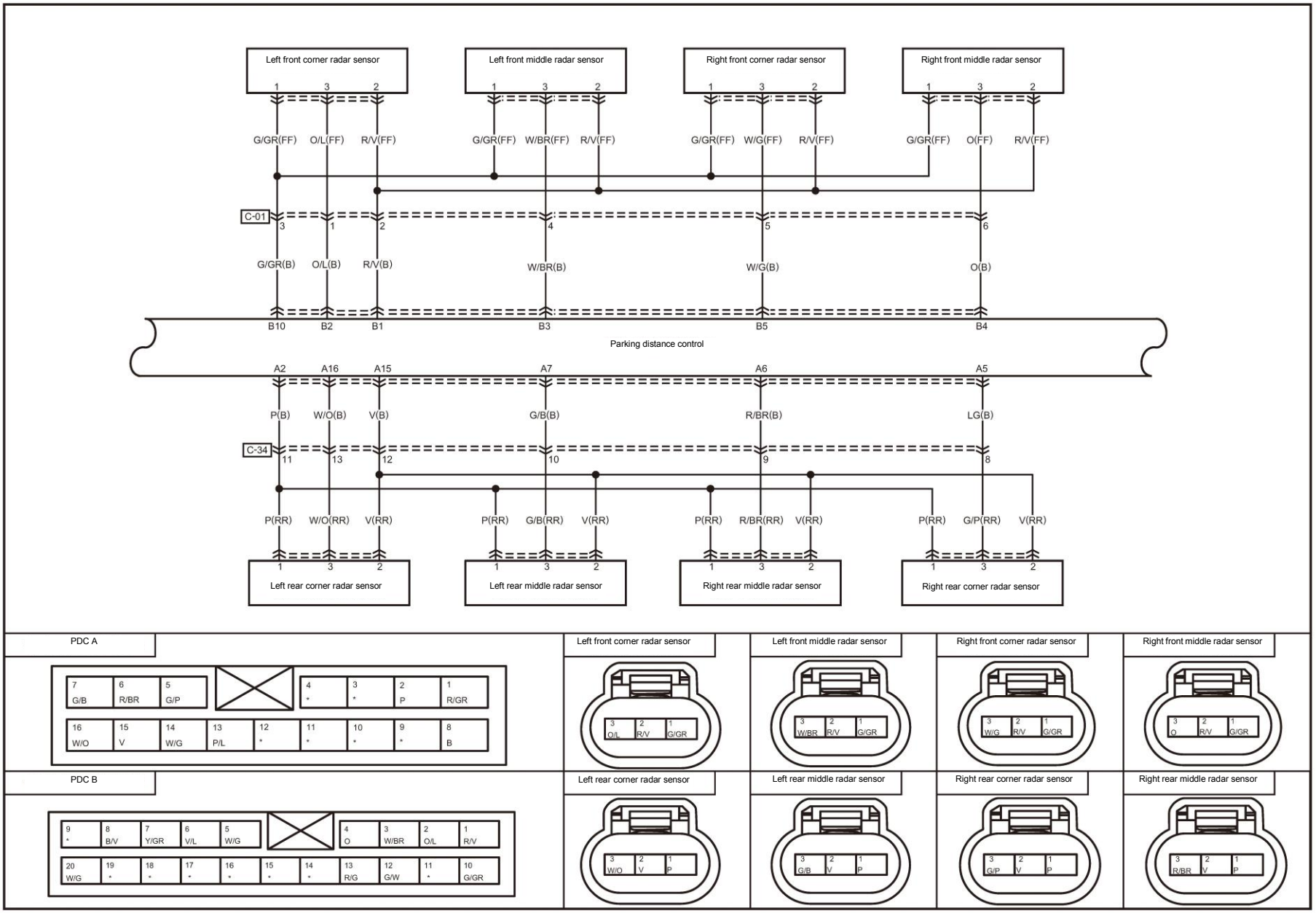
Parking distance control

BO-PM-1a



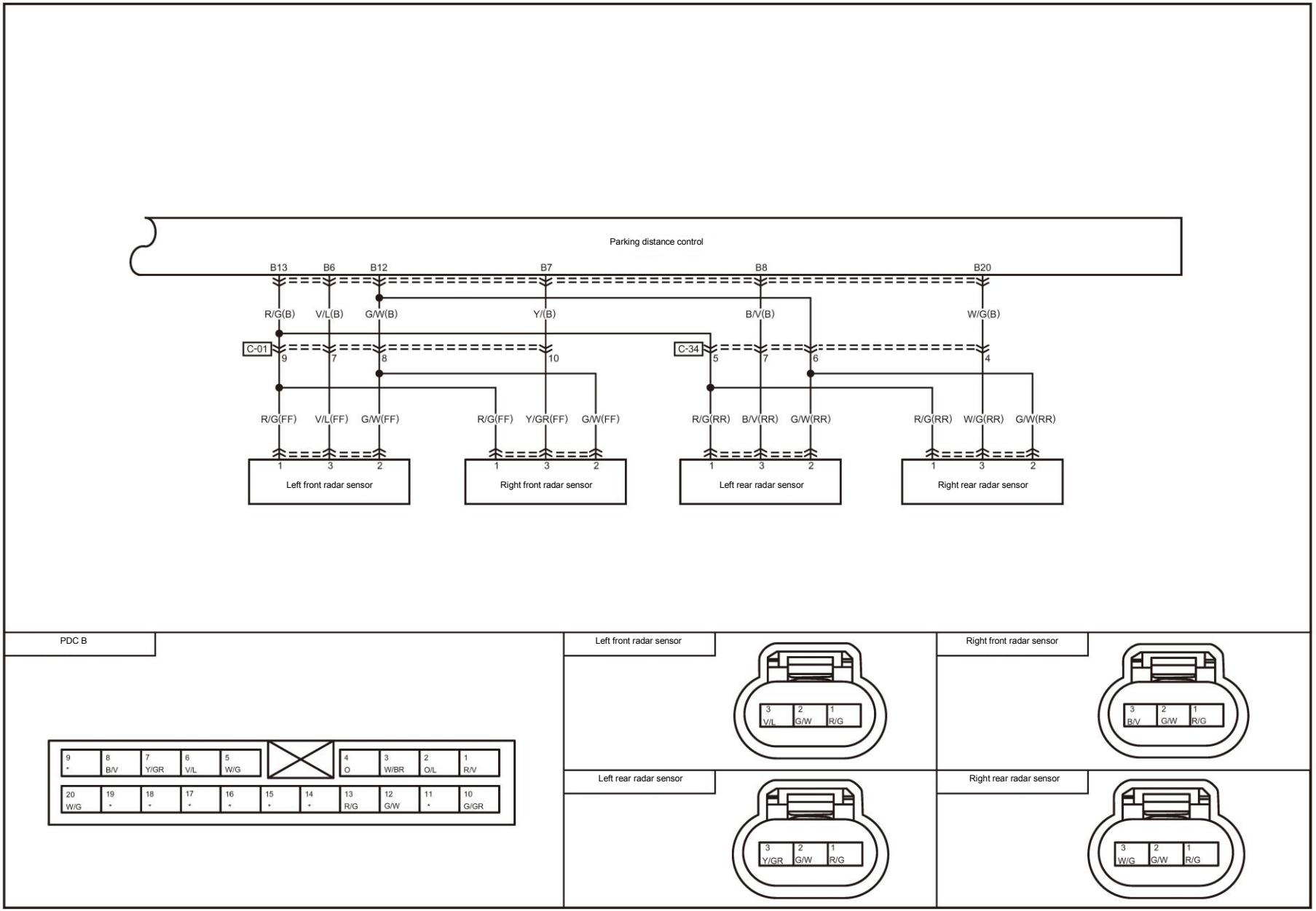
Parking distance control

BO-PM-1b



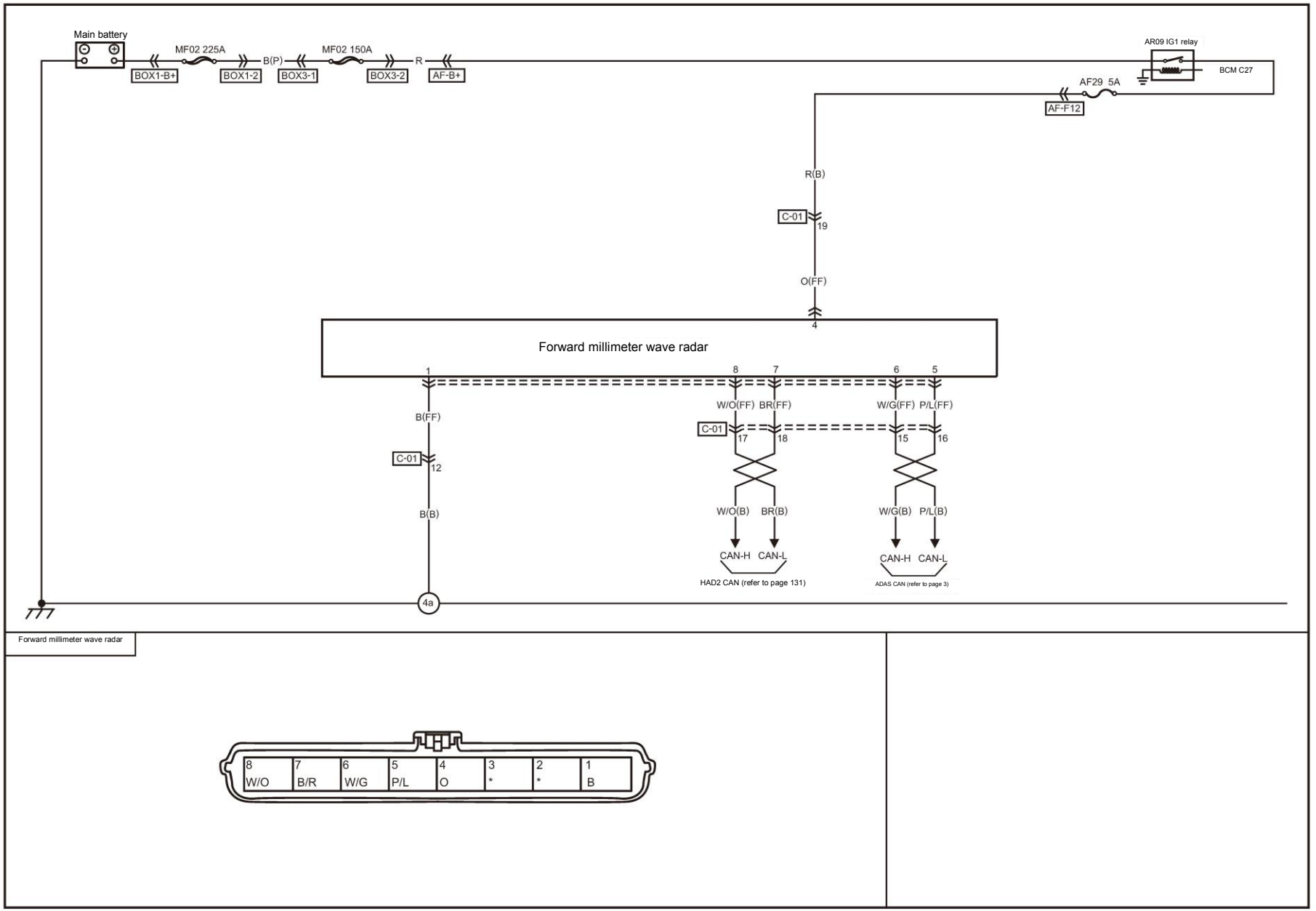
Parking distance control

BO-PM-1c



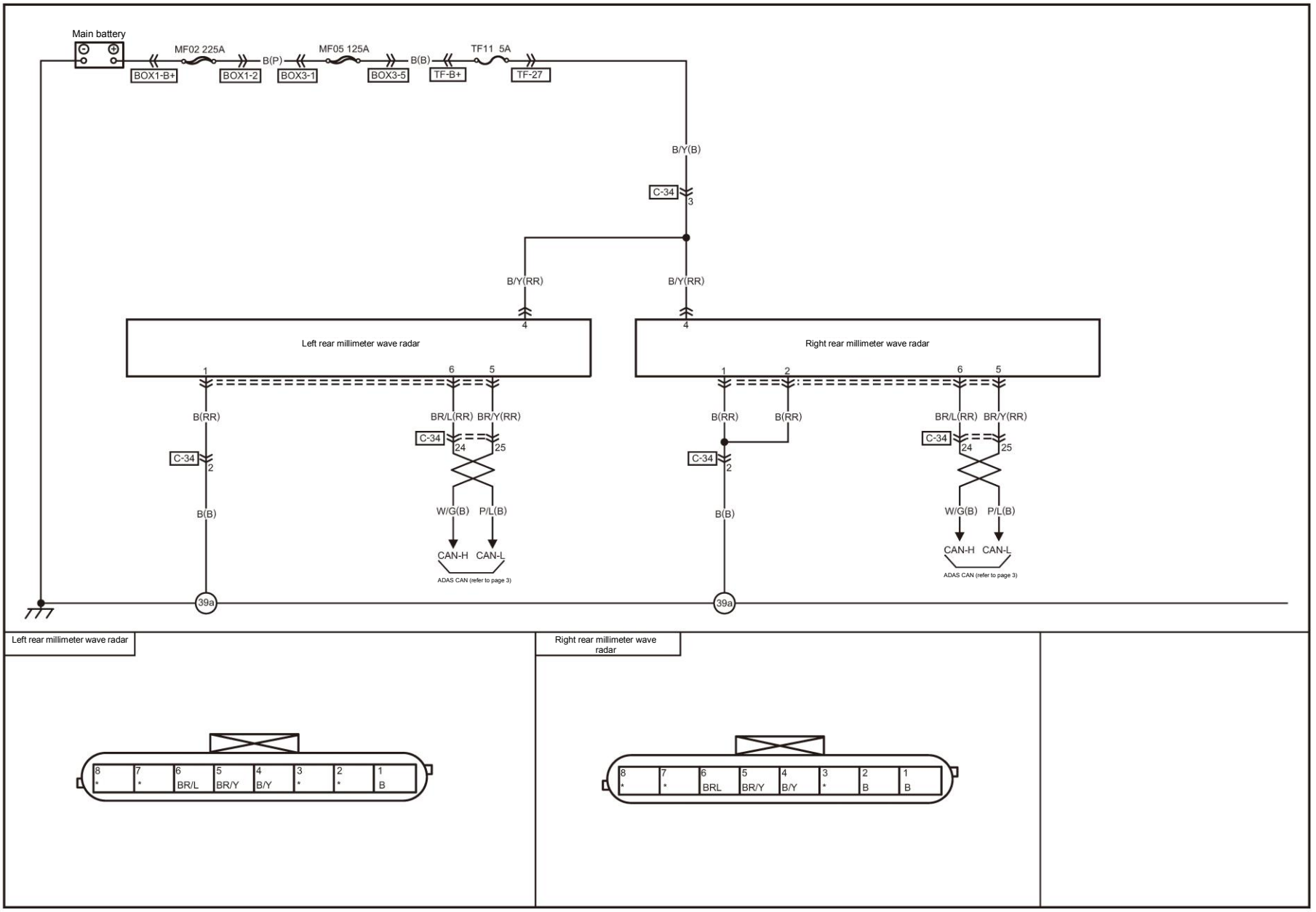
Millimeter wave radar

BO-RA-1



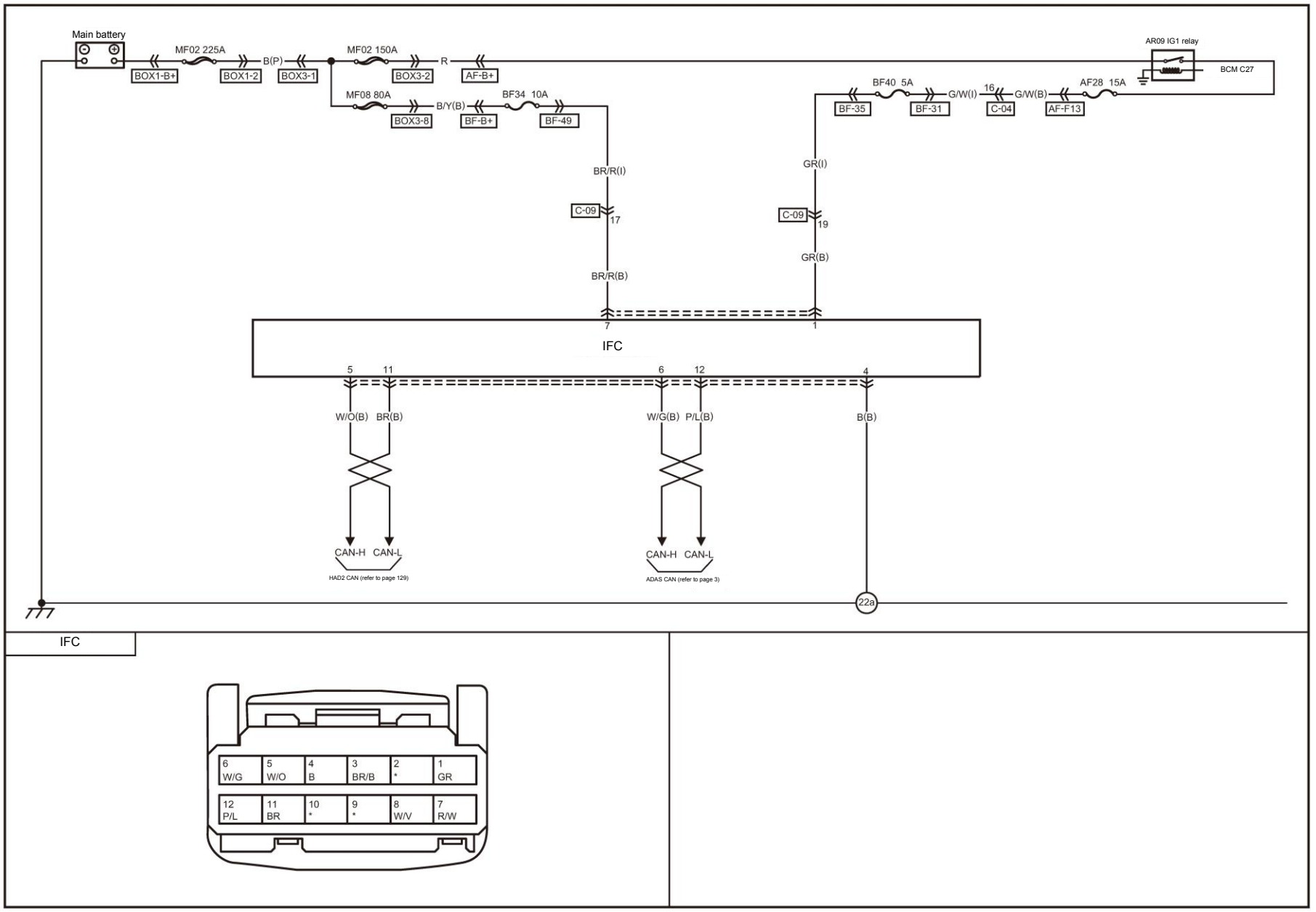
Millimeter wave radar

BO-RA-2



Smart front camera

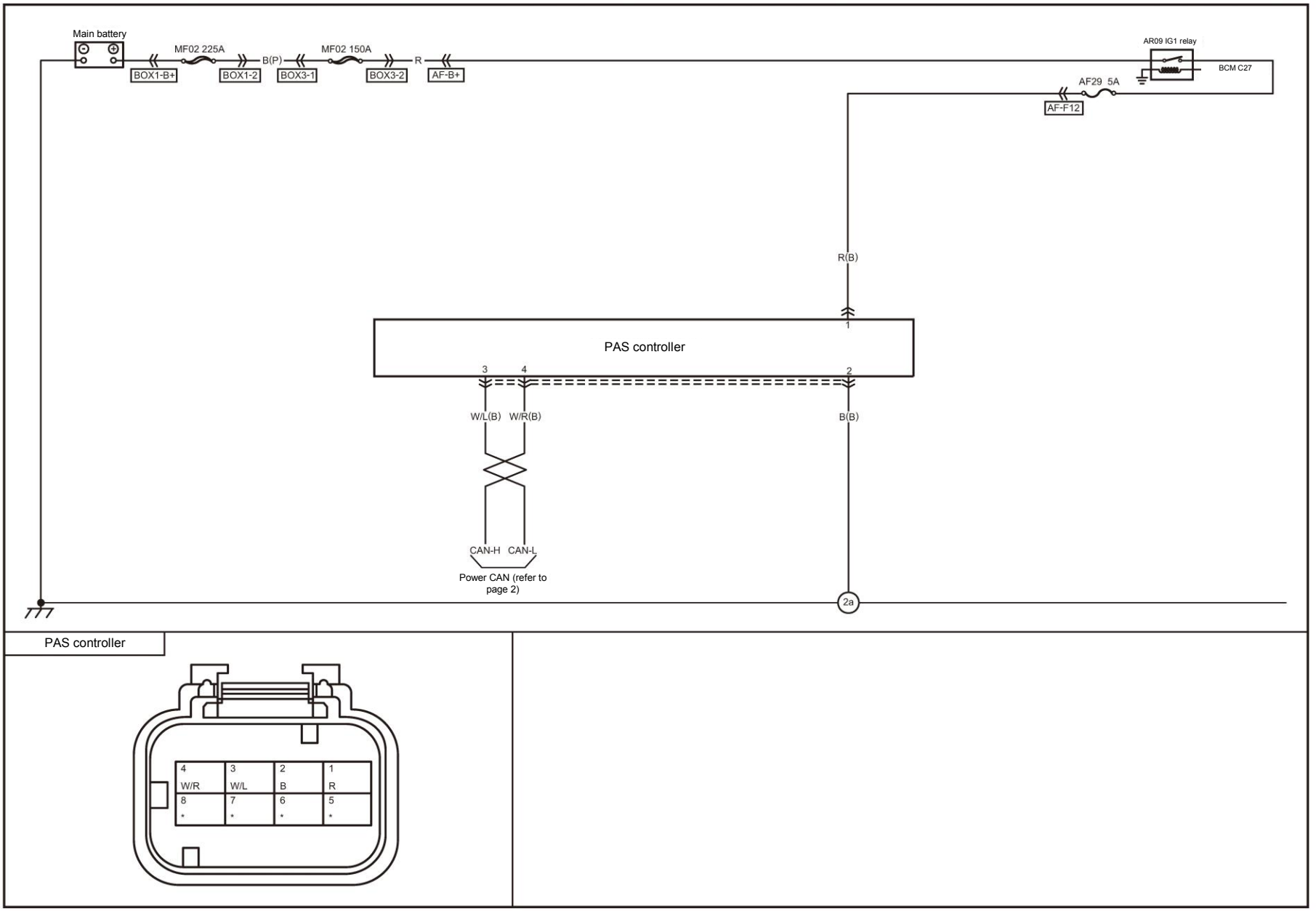
BO-IFC-1



IFC

Pedestrian warning controller

BO--NS-1



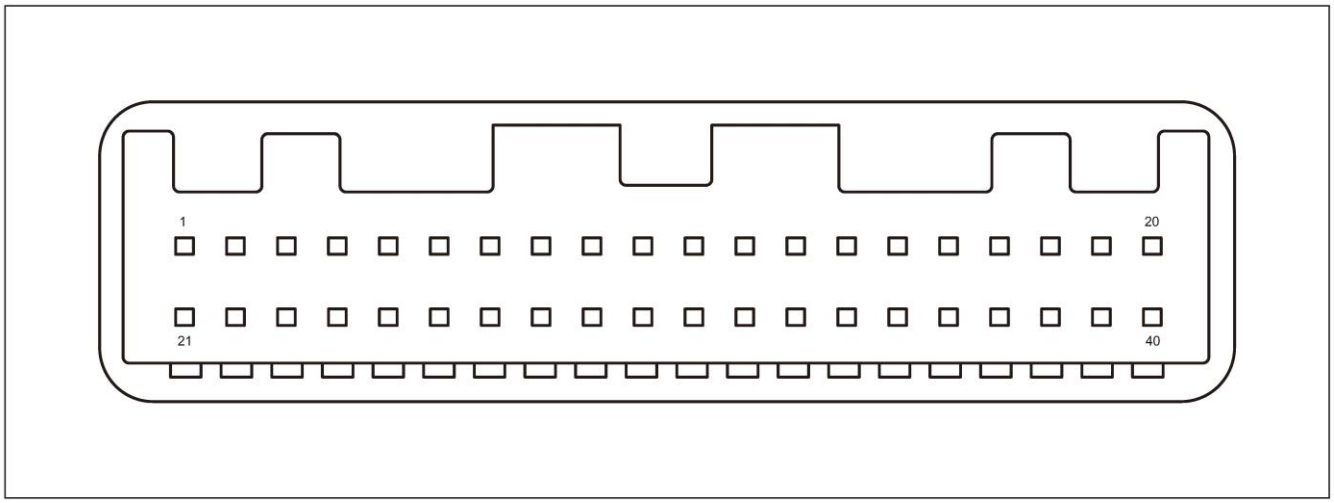
Hongqi E-HS9
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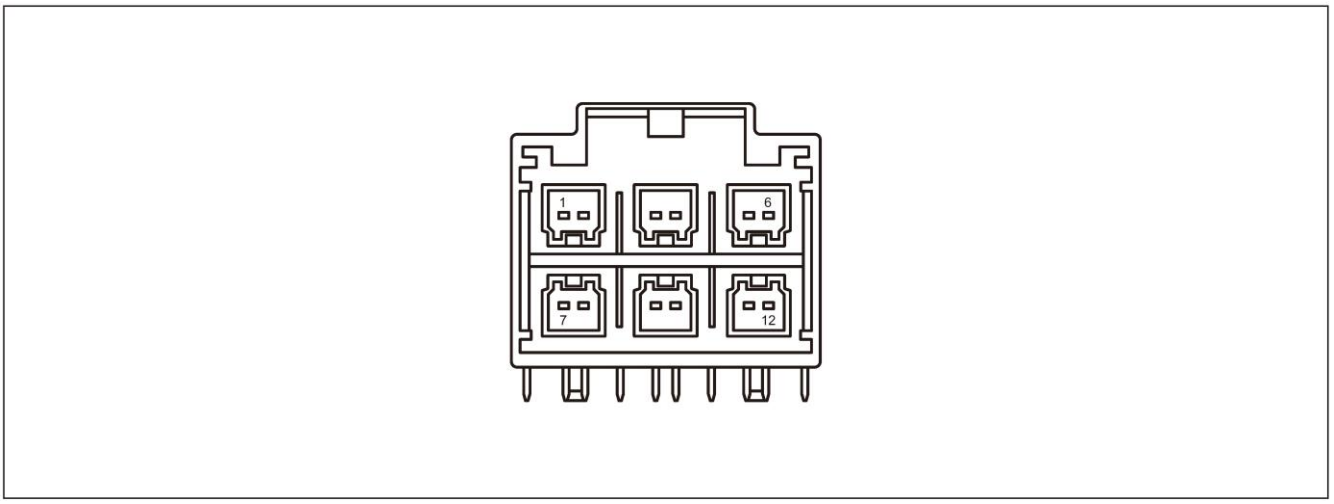
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Definition of terminal M

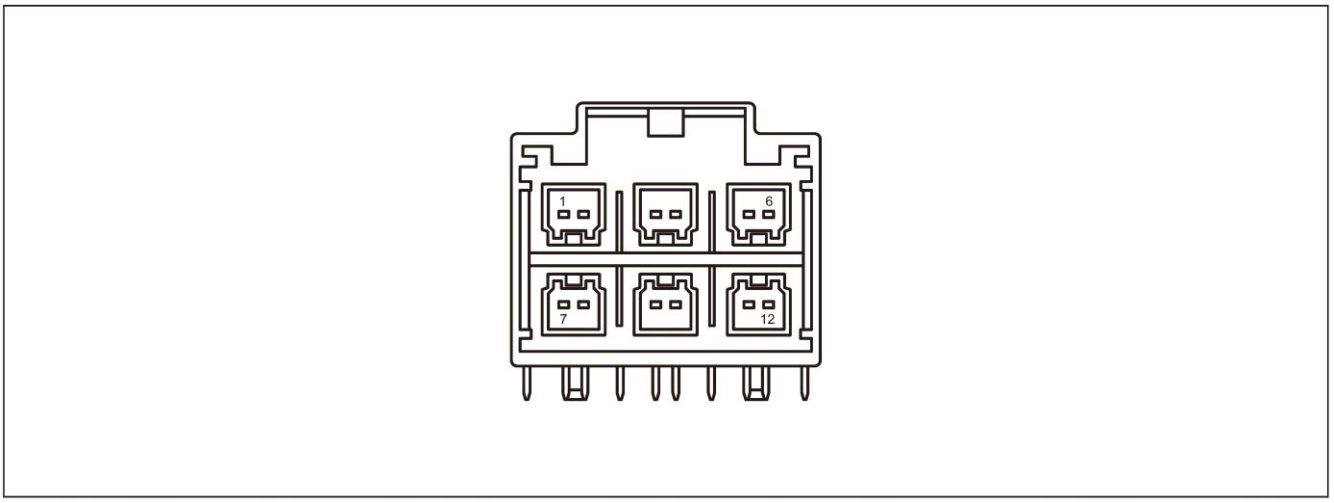
Gateway



GCU A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	DIAG_SW1_P6_RXN	21	DIAG_SW1_P6_TXN
2	DIAG_SW1_P6_RXP	22	DIAG_SW1_P6_TXP
3	IG1	23	—
4	—	24	Ethernet activation line
5	—	25	Diagnosis_CAN_H
6	Chassis_CAN1_L	26	Diagnosis_CAN_L
7	Chassis_CAN1_H	27	ADAS_CAN_L
8	Information_CAN_H	28	ADAS_CAN_H
9	Information_CAN_L	29	Comfort_CAN_H
10	Chassis CAN_CAN2_L	30	Comfort_CAN_L
11	Chassis CAN_CAN2_H	31	PT_CAN_L
12	—	32	PT_CAN_H
13	—	33	—
14	DK_CAN_L	34	—
15	DK_CAN_H	35	—
16	TBOX_CAN_H	36	LIN
17	TBOX_CAN_L	37	IG1
18	EV_CAN_L	38	GND
19	EV_CAN_H	39	GND
20	Normal power 1	40	B+



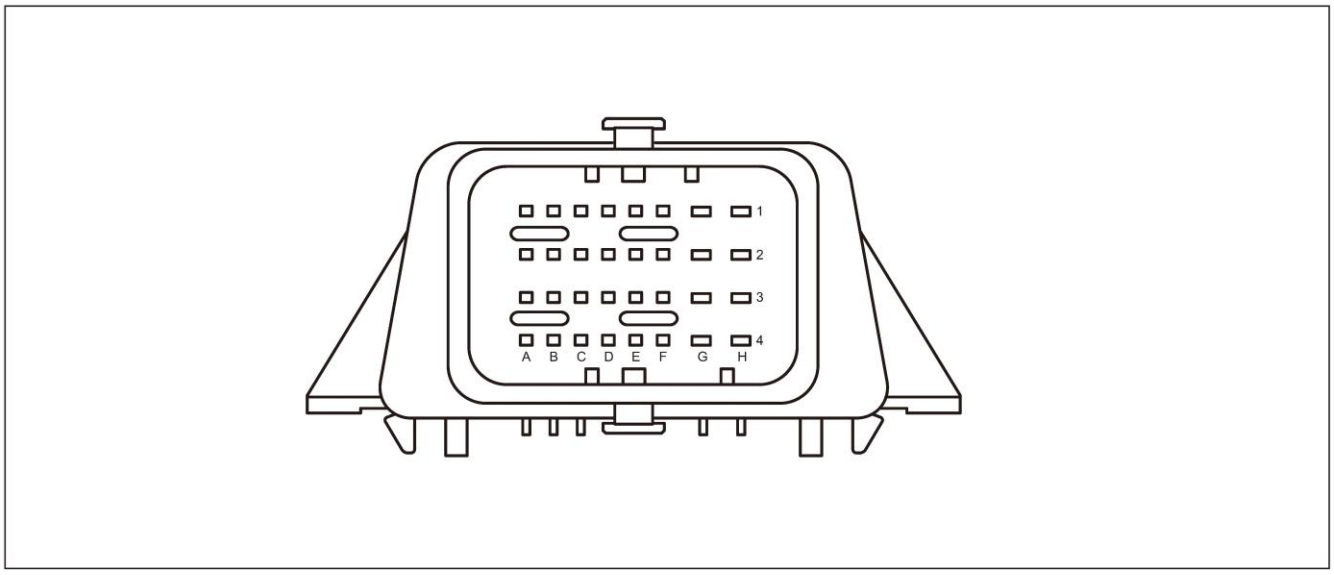
GCU B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	ETH_HAD	7	ETH_TBOX_N
2	ETH_HAD	8	ETH_TBOX_P
3	—	9	—
4	—	10	—
5	ETH_HDMAP	11	ETH_IVI1_P
6	ETH_HDMAP	12	ETH_IVI1_N



GCU C			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	7	ETH_AVP_N
2	—	8	ETH_AVP_P
3	ETHJHUD	9	ETH_DSM
4	ETHJHUD	10	ETH_DSM
5	—	11	ETH_FCP_P
6	—	12	ETH_FCP_N

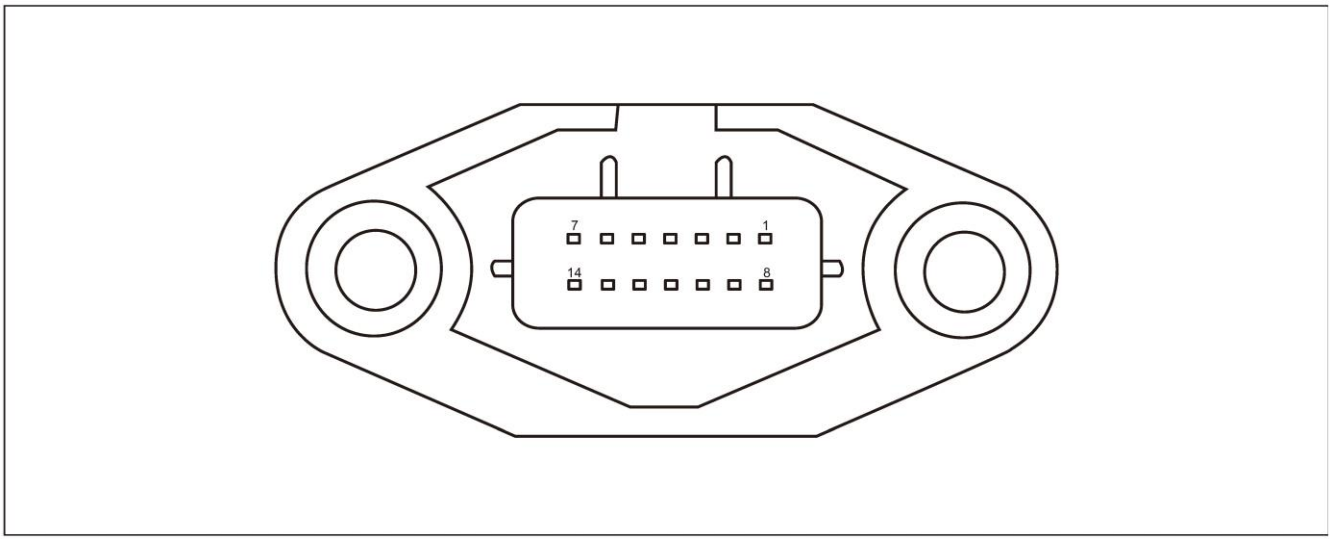
Definition of terminal M

Vehicle charger integrated with DCDC control unit



Vehicle charger integrated with DCDC control unit			
Pin No.	**Definition**	**Pin No.**	**Definition**
1A	High voltage interlock 1	3A	—
1B	EV_CAN_H	3B	—
1C	EV_CAN_L	3C	—
1D	—	3D	—
1E	High voltage interlock 2	3E	—
1F	CP signal	3F	—
1G	Normal power supply (low voltage 12V+)	3G	—
1H	Ground (low voltage 12V-)	3H	—
2A	Electronic lock+	4A	—
2B	Lock rod position monitoring (electronic lock detection)	4B	—
2C	Electronic lock-	4C	—
2D	—	4D	—
2E	—	4E	—
2F	—	4F	—
2G	—	4G	—
2H	—	4H	—

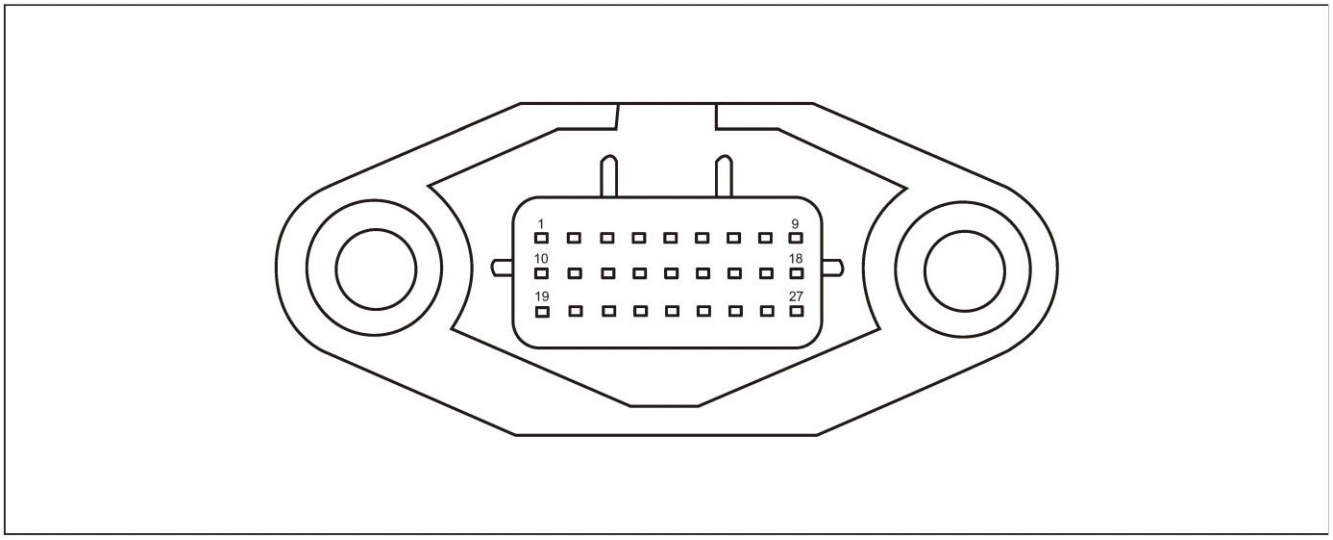
FWD electric system inverter



FWD electric system inverter			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	8	Collision emergency stop signal
2	EV_CAN_H	9	—
3	IG	10	EV_CAN_L
4	—	11	—
5	Normal power 1	12	Normal power 2
6	—	13	—
7	GND	14	GND

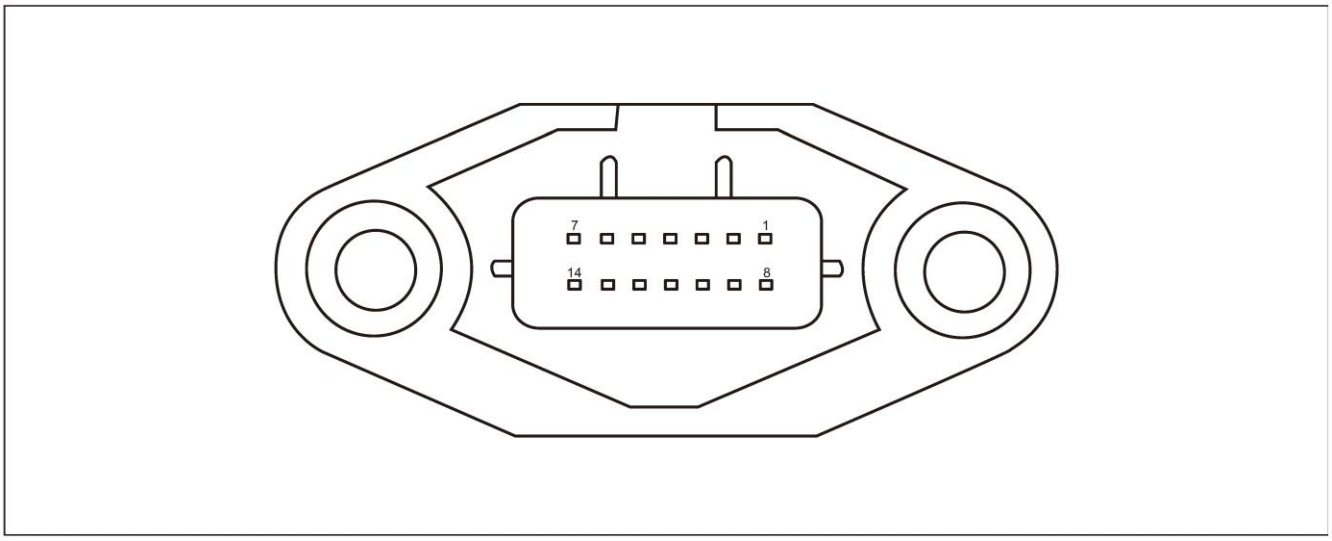
Definition of terminal M

RWD electric system inverter - premium



RWD electric system inverter - premium			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	R2	15	—
2	R1	16	IG
3	NTC1+	17	—
4	Collision emergency stop signal	18	—
5	EV_CAN_H	19	S4
6	—	20	S2
7	—	21	NTC2+
8	Normal power 1	22	NTC2-
9	Normal power 2	23	—
10	S3	24	High voltage interlock output
11	S1	25	—
12	NTC1-	26	GND
13	High voltage interlock input	27	GND
14	EV_CAN_L	28	—

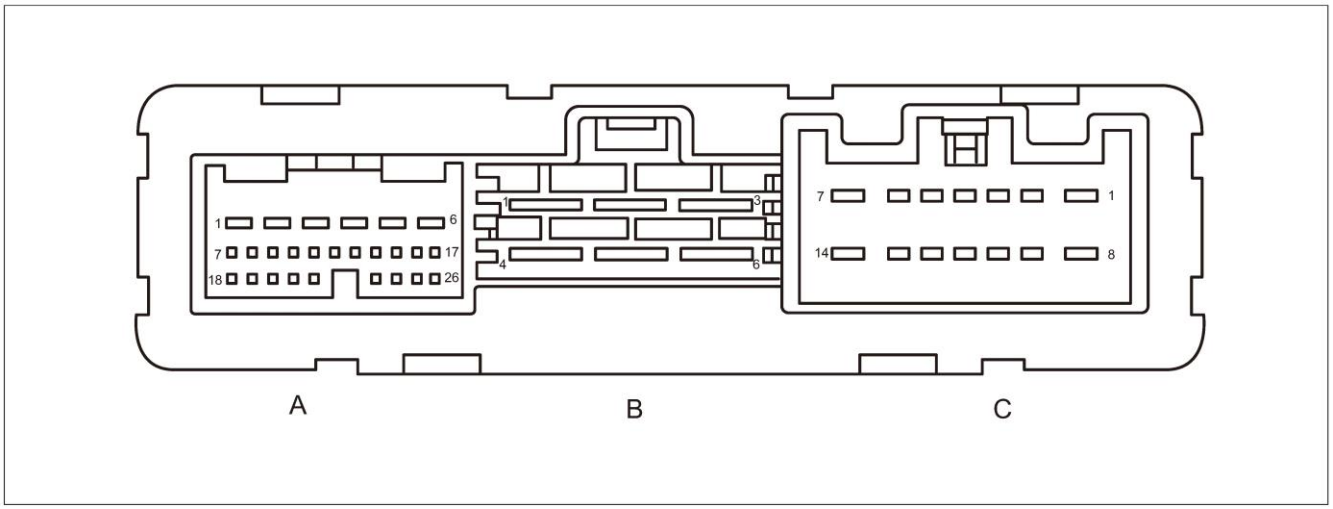
RWD electric system inverter



RWD electric system inverter			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	8	Collision emergency stop signal
2	EV_CAN_H	9	—
3	IG	10	EV_CAN_L
4	—	11	—
5	Normal power 1	12	Normal power 2
6	—	13	—
7	GND	14	GND

Definition of terminal M

Trailer identification controller

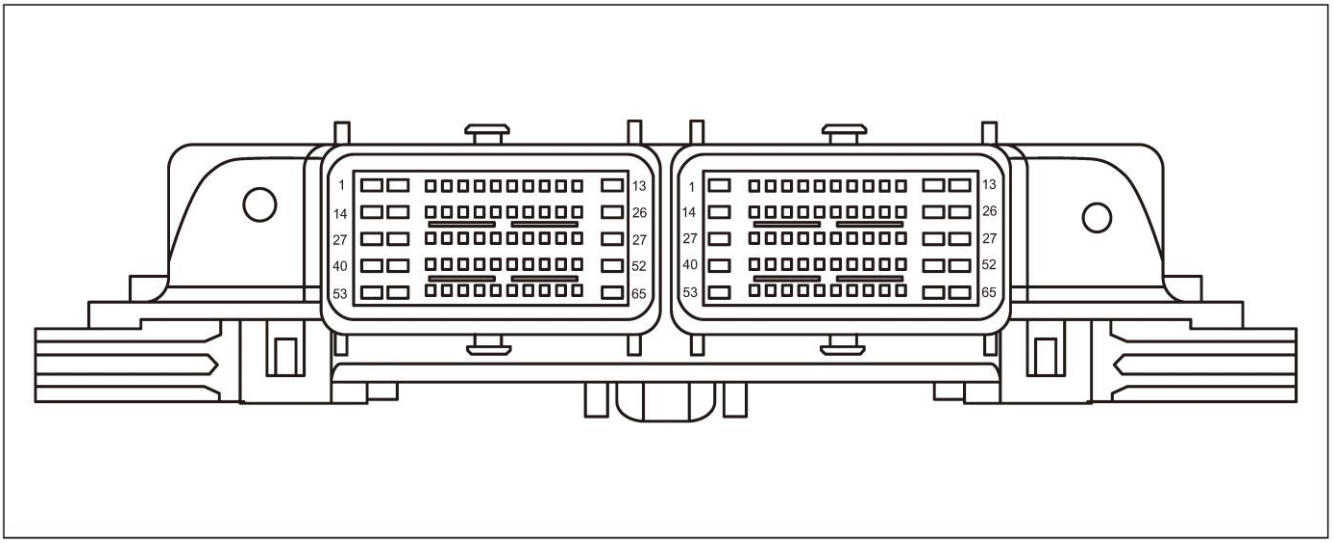


Trailer identification controller A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	14	—
2	—	15	—
3	—	16	—
4	—	17	—
5	—	18	GND
6	—	19	—
7	B+ power supply input	20	—
8	—	21	Comfort_CAN_L
9	—	22	Comfort_CAN_H
10	—	23	—
11	—	24	—
12	—	25	—
13	IG	26	—

Trailer identification controller B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	4	—
2	Lighting power supply input 2	5	B+ power supply input
3	Lighting power supply input 3	6	IG power supply input

Trailer identification controller C			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	B+ (output)	8	—
2	Reversing lamp	9	Right turn signal lamp
3	Rear right combination lighting device	10	Left turn signal lamp
4	Rear left combination lighting device	11	—
5	Rear fog lamp	12	—
6	Stop lamp	13	—
7	—	14	IG power supply (output)

Vehicle control unit



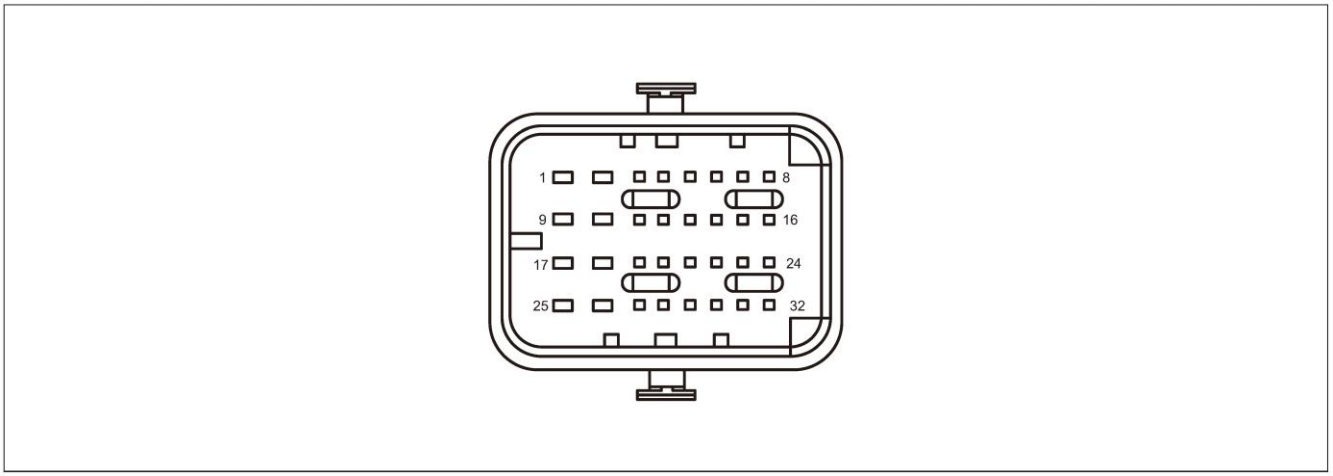
Vehicle control unit-A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	GND	34	—
2	GND	35	—
3	—	36	—
4	EV_CAN_H	37	—
5	EV_CAN_L	38	—
6	—	39	Main relay rear power supply
7	PT_CAN_L	40	—
8	PT_CAN_H	41	—
9	—	42	—
10	—	43	Water temperature sensor GND
11	—	44	—
12	30 power supply	45	—
13	30 power supply	46	INTERLOCK_OUT
14	St signal (PEPS) PWM	47	—
15	—	48	AC charging socket temperature sensor 1 signal
16	—	49	—
17	—	50	IG
18	—	51	Main relay control
19	—	52	Main relay rear power supply
20	—	53	—
21	LIN2	54	GND
22	Calibration_CAN_L	55	—
23	Calibration_CAN_H	56	—
24	—	57	—
25	—	58	—
26	GND	59	—
27	—	60	INTERLOCK_IN
28	Water temperature sensor signal	61	—
29	—	62	AC charging connection confirmation (slow charging connection confirmation)
30	—	63	—

Definition of terminal M

31	—	64	—
32	—	65	—
33	—	—	—

Vehicle control unit-B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	34	Accelerator pedal sensor 2 power supply
2	—	35	Accelerator pedal sensor 1 power supply
3	—	36	—
4	—	37	—
5	—	38	—
6	—	39	—
7	—	40	—
8	LIN3	41	—
9	—	42	—
10	—	43	Negative terminal temperature detection+
11	—	44	LIN1
12	—	45	—
13	—	46	Accelerator pedal sensor 1 signal
14	—	47	Accelerator pedal sensor 2 signal
15	—	48	Positive terminal temperature detection+
16	—	49	—
17	—	50	—
18	—	51	—
19	—	52	—
20	—	53	—
21	Auxiliary brake signal	54	—
22	—	55	—
23	—	56	N port temperature detection+
24	—	57	—
25	—	58	Accelerator pedal sensor 1 GND
26	—	59	Accelerator pedal sensor 2 GND
27	—	60	—
28	—	61	—
29	—	62	—
30	AC/DC charging socket temperature sensor 1/2 GND	63	Fan control
31	Main brake signal	64	—
32	—	65	—
33	—	—	—

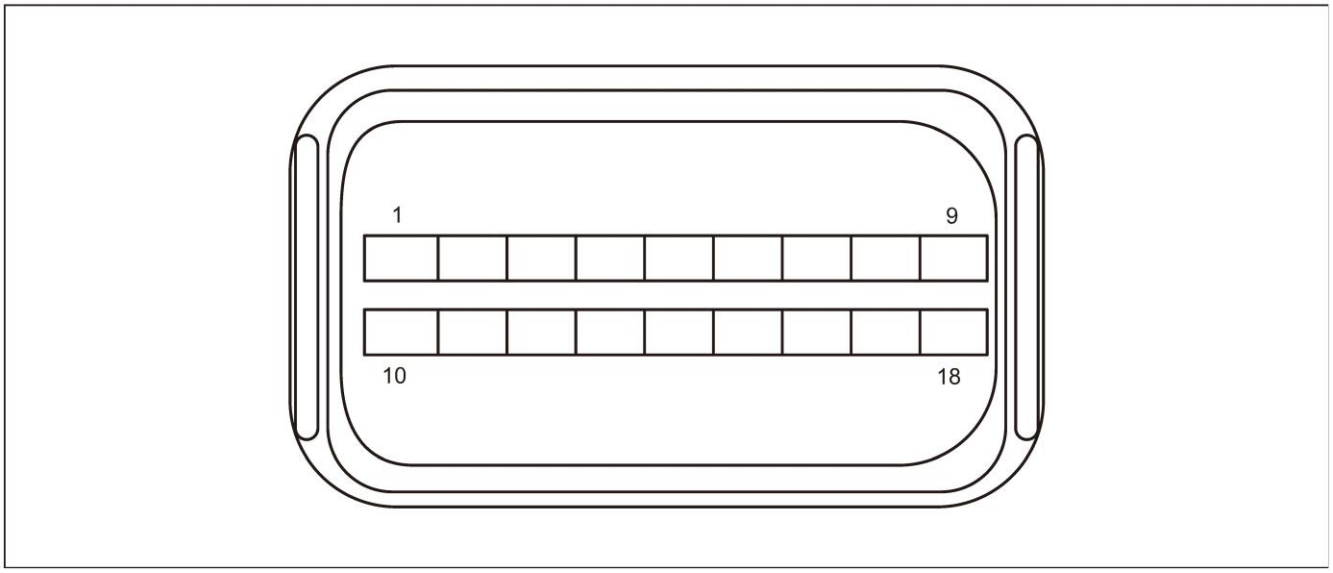
Charging controller



Charging controller			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	B+	17	—
2	IG	18	—
3	—	19	Charging_CAN_H
4	—	20	EV_CAN_H
5	—	21	—
6	—	22	—
7	—	23	—
8	CP signal (AC/DC charging socket assembly)	24	—
9	—	25	GND
10	—	26	—
11	Charging_CAN_L	27	—
12	EV_CAN_L	28	CP signal (integrated OBC DCDC control unit)
13	—	29	—
14	—	30	—
15	—	31	—
16	—	32	—

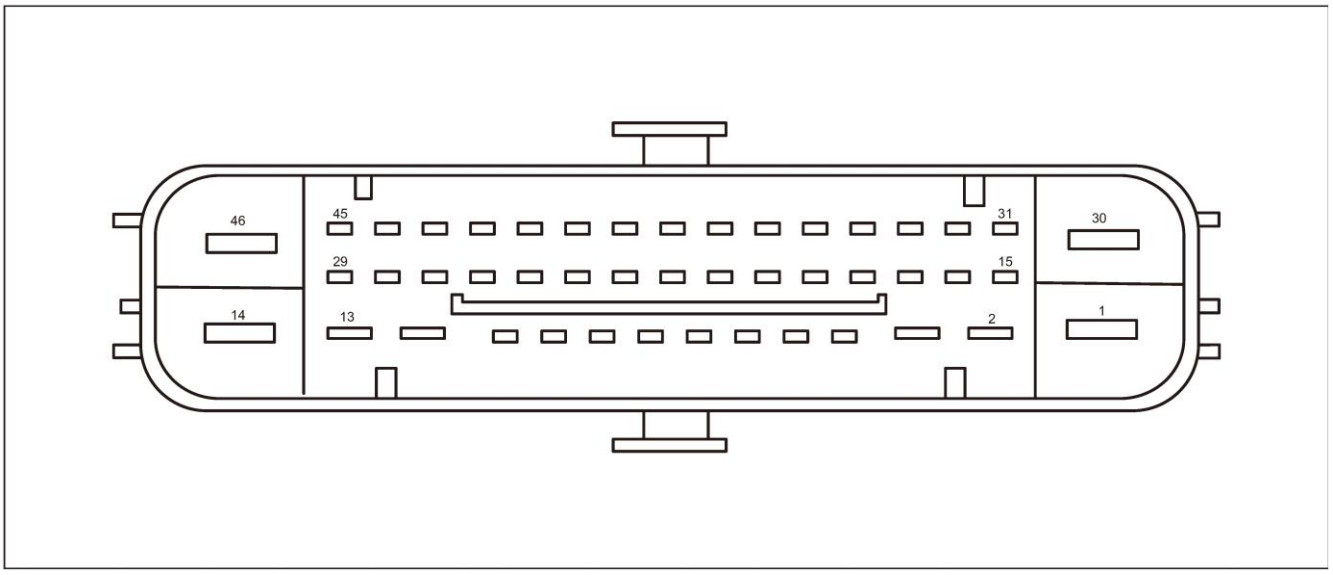
Definition of terminal M

Battery control unit



Battery control unit			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Power supply +	10	interlock
2	Low voltage auxiliary power supply positive terminal	11	—
3	Low voltage auxiliary power supply negative terminal	12	CAN failure hard wire
4	EVCAN-H	13	Internal CAN-L
5	EVCAN-L	14	Collision signal
6	Internal CAN-H	15	DC fast charging CAN-H
7	Contactor drive power supply	16	DC fast charging CAN-L
8	Ignition switch	17	Intermittent power supply
9	interlock	18	Power ground

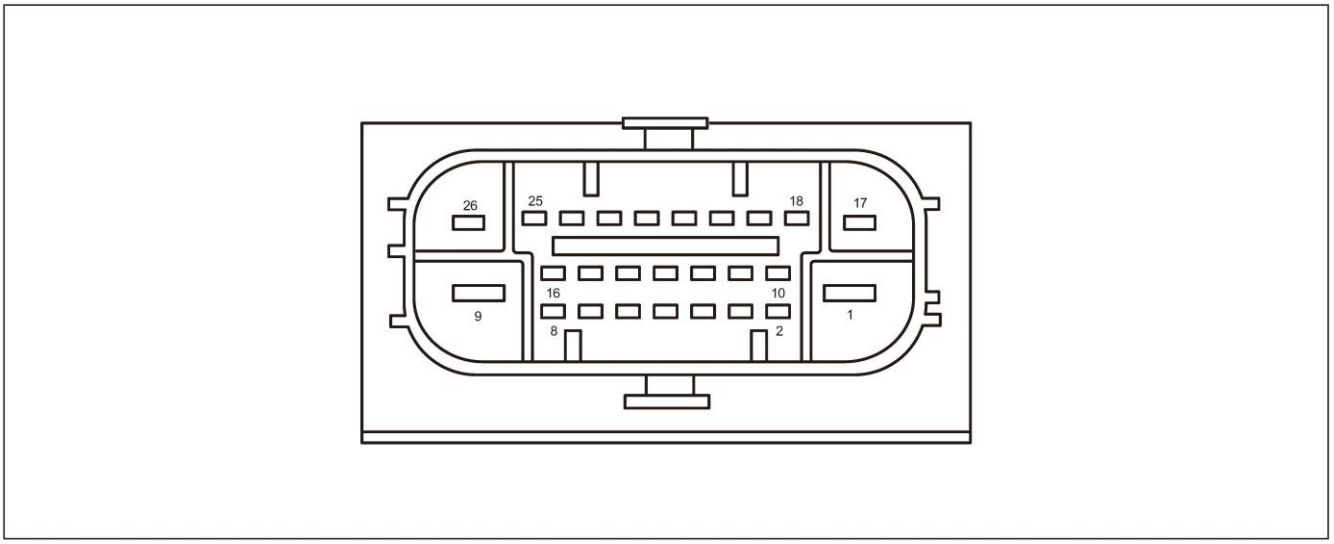
Electronic stability control unit



Electronic stability control unit			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Normal power 1	24	Left front wheel speed sensor power supply
2	Right rear brake caliper (-)	25	—
3	Right rear brake caliper (+)	26	Right front wheel speed sensor signal and GND
4	—	27	—
5	Chassis 1_CAN_H	28	—
6	—	29	—
7	Left front wheel speed sensor signal and GND	30	Normal power 2
8	—	31	—
9	—	32	—
10	—	33	—
11	—	34	—
12	Left rear brake caliper (+)	35	—
13	Left rear brake caliper (-)	36	IG power supply
14	GND	37	Right rear wheel speed sensor signal and GND
15	SW3(EPB)	38	Brake signal
16	SW62(EPB)	39	Left rear wheel speed sensor power supply
17	—	40	—
18	EPB indicator	41	—
19	Chassis 1_CAN_L	42	—
20	—	43	—
21	Right front wheel speed sensor power supply	44	—
22	Right rear wheel speed sensor power supply	45	—
23	Left rear wheel speed sensor signal and GND	46	GND

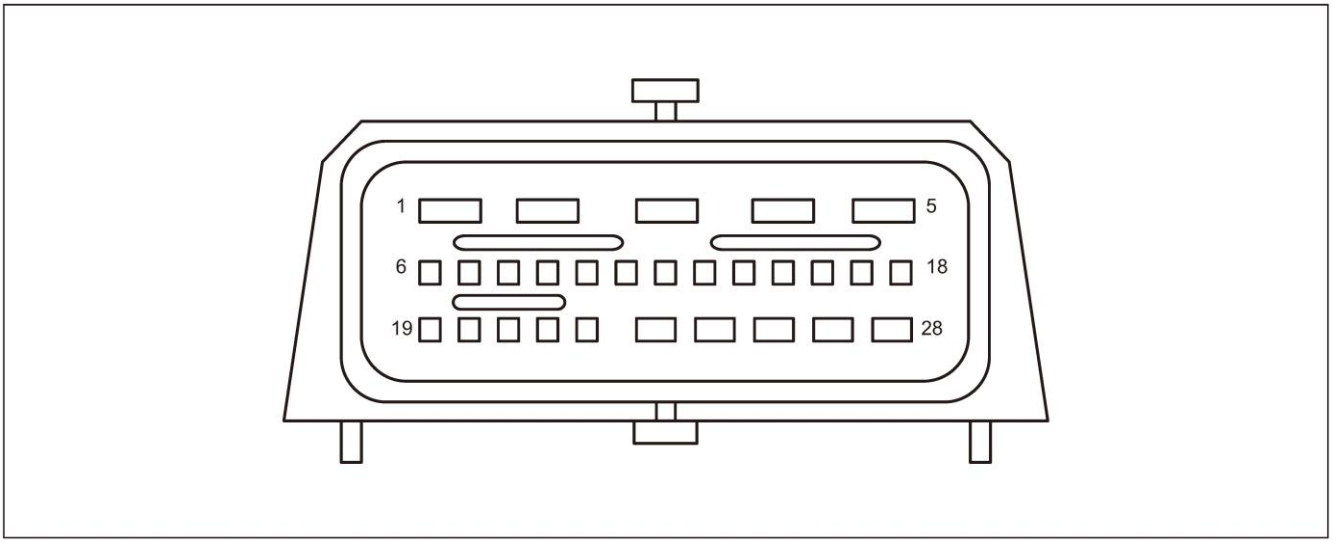
Definition of terminal M

I-BOOST control unit



I-BOOST control unit			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Normal power 1	14	—
2	Sensor power supply	15	Right rear wheel speed sensor signal
3	Left rear wheel speed sensor power supply	16	Chassis 2_CAN_L
4	Left front wheel speed sensor power supply	17	—
5	—	18	Chassis_CAN1_H
6	—	19	Left rear wheel speed sensor signal
7	Right rear wheel speed sensor power supply	20	ON
8	Sensor GND	21	Left front wheel speed sensor signal
9	GND	22	Sensor signal 1
10	Chassis_CAN1_L	23	Sensor signal 2
11	Right front wheel speed sensor signal	24	—
12	Right front wheel speed sensor power supply	25	Chassis 2_CAN_H
13	—	—	—

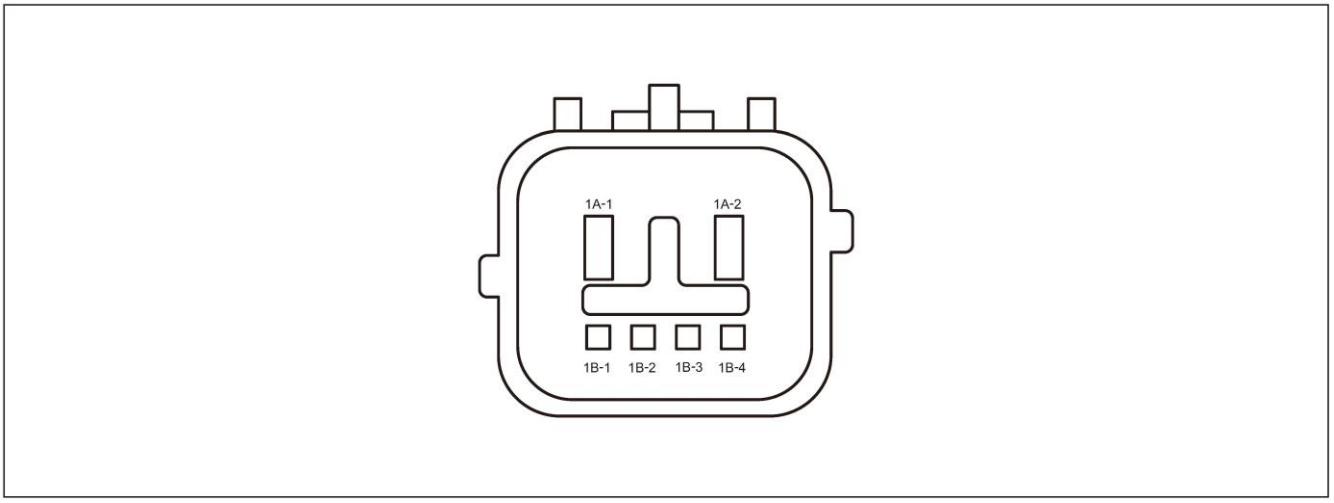
E-PARK control unit



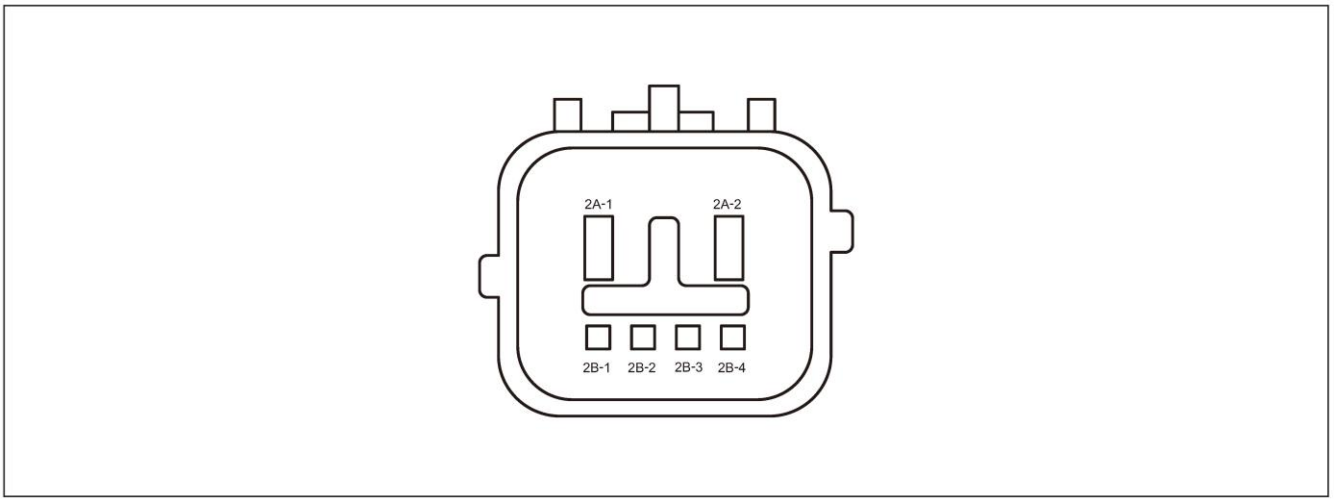
E-PARK control unit			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Motor U phase	15	Hall sensor GND
2	Motor V phase	16	—
3	Motor W phase	17	PT_CAN_H
4	GND	18	PT_CAN_L
5	Normal power 1	19	Normal power 2
6	—	20	—
7	—	21	—
8	—	22	—
9	—	23	IG
10	—	24	—
11	Hall signal C	25	—
12	Hall signal A	26	—
13	Hall signal B	27	—
14	Hall sensor power supply	28	—

Definition of terminal M

EPS control unit

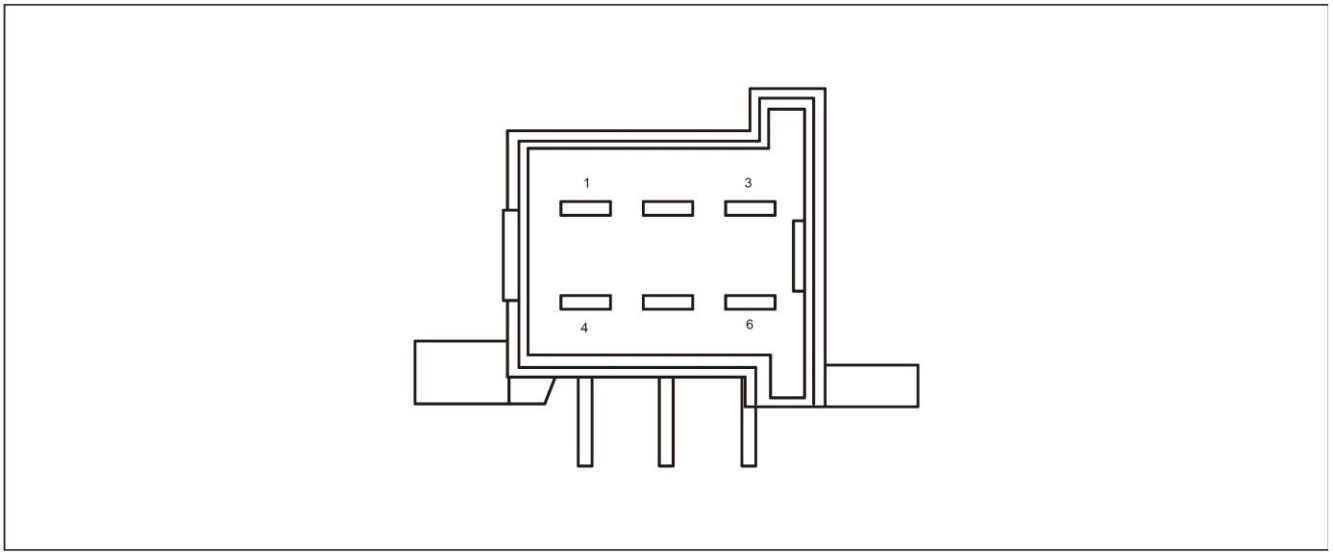


EPS control unit-A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1A-1	Power supply	1B-2	—
1A-2	GND	1B-3	Chassis 1_CAN_H
1B-1	IG	1B-4	Chassis 1_CAN_L

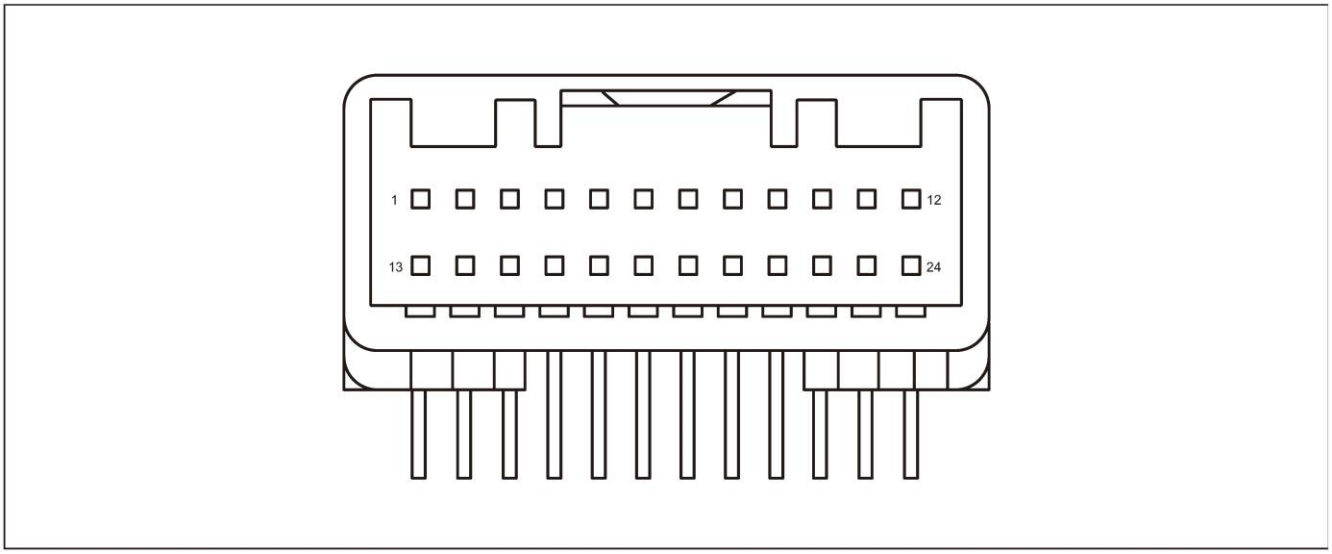


EPS control unit-B			
Pin No.	**Definition**	**Pin No.**	**Definition**
2A-1	Power supply	2B-2	—
2A-2	GND	2B-3	Chassis 2_CAN_H
2B-1	IG	2B-4	Chassis 2_CAN_L

Electric steering column control unit (ESCCU)



Power adjustable steering column control unit-A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Motor common terminal	4	B+
2	Telescopic motor	5	GND
3	Tilt motor power supply	6	—

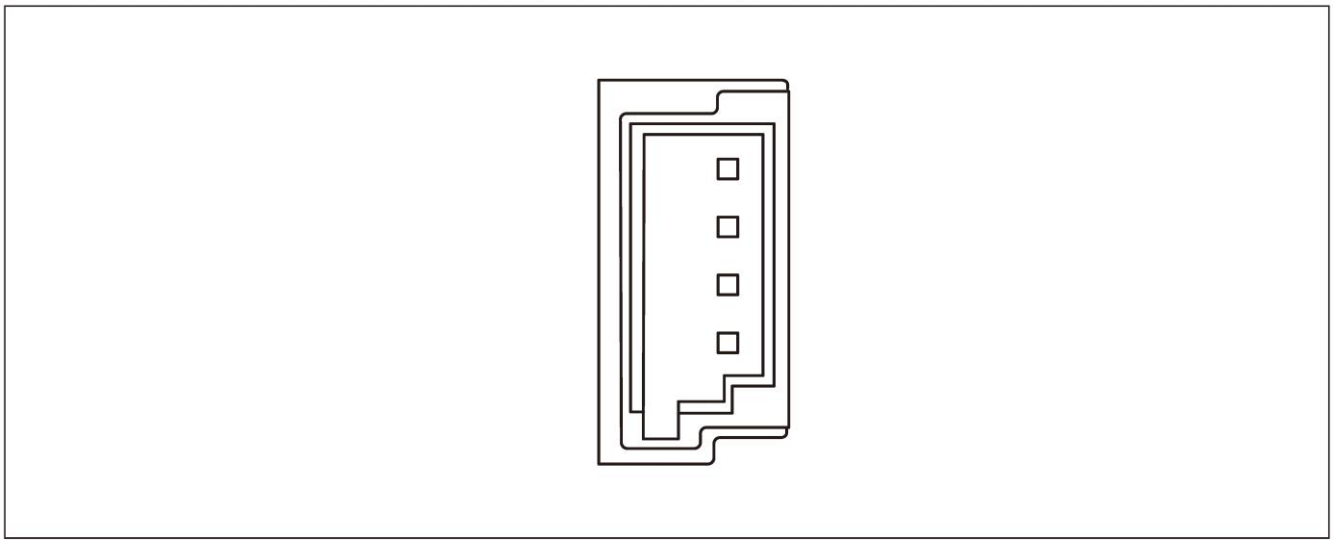


Power adjustable steering column control unit-B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Hall sensor GND (steering column telescopic motor)	13	B+
2	IG	14	—
3	Up expansion regulating switch	15	—
4	Down expansion regulating switch	16	—
5	Forward expansion regulating switch	17	—
6	Backward expansion regulating switch	18	—

Definition of terminal M

7	Comfort_CAN_L	19	—
8	Comfort_CAN_H	20	—
9	—	21	—
10	Hall sensor GND (steering column tilt motor)	22	—
11	—	23	—
12	Hall sensor GND	24	—

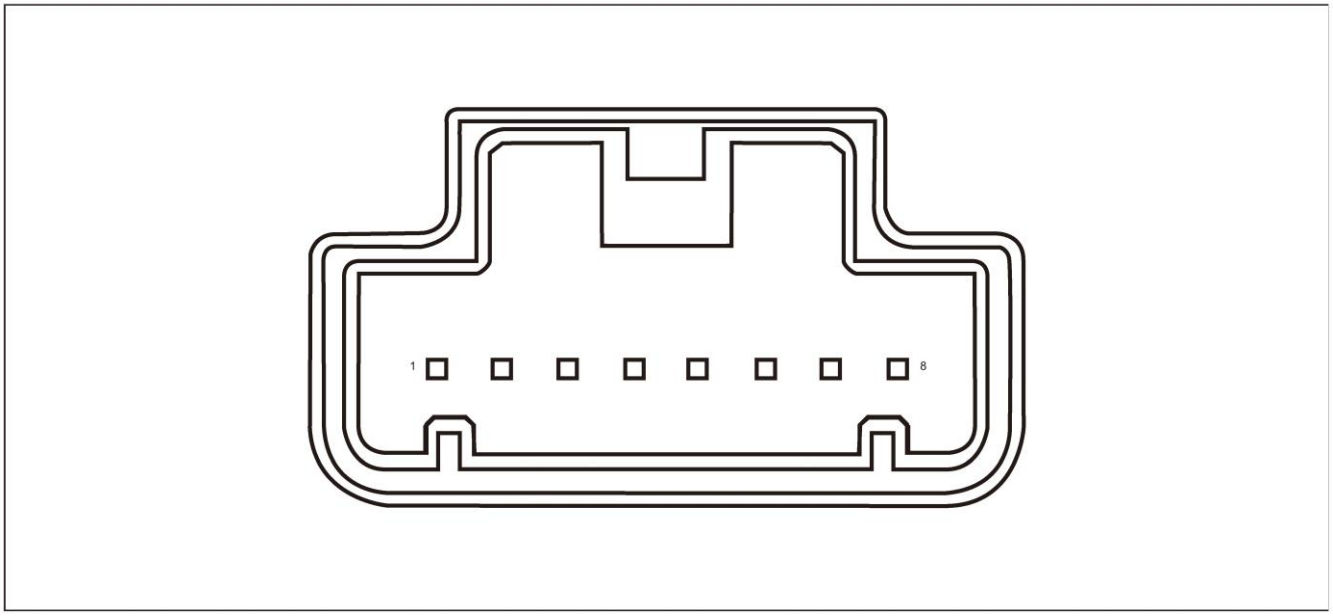
Steering angle sensor (SAS)



Steering angle sensor (SAS)			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	GND	3	Chassis 2_CAN_H
2	Chassis 2_CAN_L	4	—

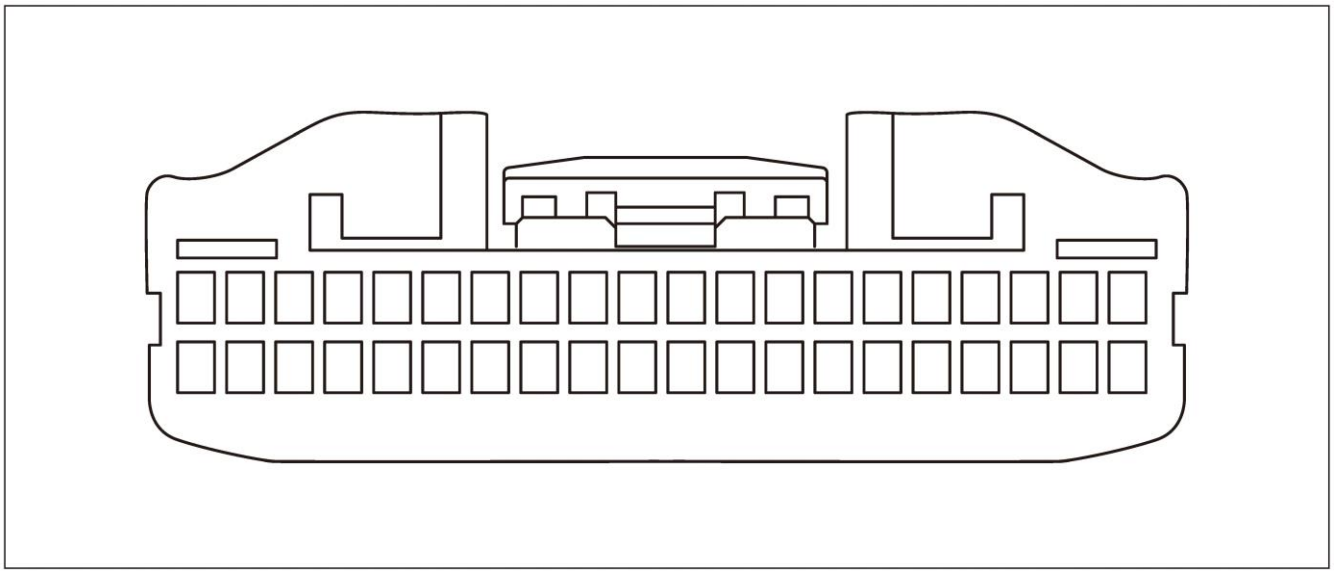
Definition of terminal M

Electronic shift controller



Electronic shift controller			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	KL30	5	CAN_L (twisted pair connected with CAN_H)
2	GND	6	—
3	KL15	7	—
4	CAN_H (twisted pair connected with CAN_L)	8	—

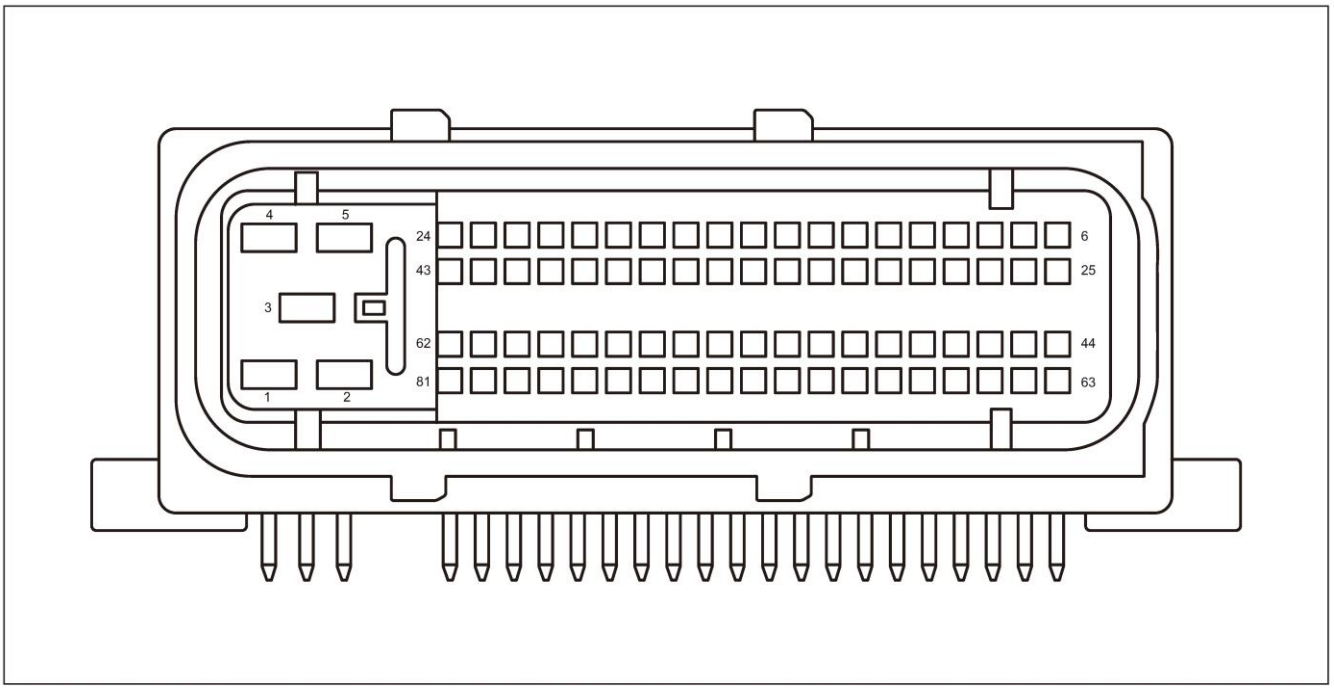
Driving mode control unit



Driving mode control unit			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	GND	21	Normal power 2
2	GND	22	Normal power 1
3	—	23	IG
4	DK_CAN_H	24	—
5	—	25	DK_CAN_L
6	—	26	—
7	—	27	—
8	—	28	—
9	—	29	—
10	—	30	—
11	—	31	—
12	—	32	—
13	—	33	—
14	—	34	—
15	—	35	—
16	—	36	—
17	—	37	—
18	—	38	—
19	—	39	—
20	—	40	—

Definition of terminal M

AirS control unit

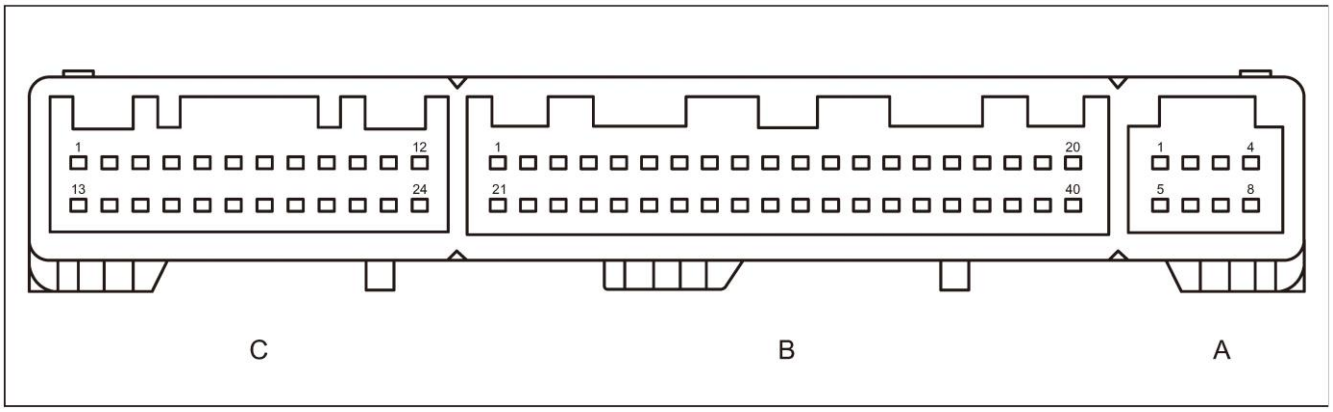


AirS control unit			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	GND	42	—
2	GND	43	Solenoid valve airbag side power supply+
3	KL15	44	—
4	KL30 power supply	45	Vibration damper solenoid valve power supply- - right rear
5	KL30 power supply	46	Vibration damper solenoid valve power supply- - left rear
6	—	47	—
7	—	48	Vibration damper solenoid valve power supply+ - left rear
8	—	49	—
9	Height sensor signal input terminal - left front	50	Height sensor power supply- - left front
10	Height sensor signal input terminal - left rear	51	Height sensor power supply- - right front
11	Acceleration sensor signal input terminal - right	52	Height sensor power supply- - left rear
12	Acceleration sensor signal input terminal - left front	53	Height sensor power supply- - right rear
13	Acceleration sensor power supply+ - left front	54	Pressure sensor power supply-
14	Acceleration sensor power supply+ - right front	55	Acceleration sensor power supply- - left front
15	Height sensor power supply+ - right front	56	Acceleration sensor power supply- - right front
16	—	57	Acceleration sensor power supply- - rear
17	—	58	—
18	—	59	—
19	Chassis CAN high	60	—
20	Chassis CAN low	61	—
21	Height sensor power supply+ - left front	62	—
22	Height sensor power supply+ - left rear	63	—
23	Pressure sensor power supply+	64	—
24	Solenoid valve airbag side power supply+	65	Vibration damper solenoid valve power supply+ - right front
25	Temperature sensor power supply+	66	Vibration damper solenoid valve power supply- - right front

26	Temperature sensor signal input terminal	67	—
27	—	68	Vibration damper solenoid valve power supply- - left front
28	Height sensor signal input terminal - right front	69	Vibration damper solenoid valve power supply+ - right rear
29	Height sensor signal input terminal - right rear	70	Vibration damper solenoid valve power supply+ - left front
30	Acceleration sensor signal input terminal - right front	71	Solenoid valve air reservoir terminal power supply-
31	Pressure sensor signal input terminal	72	Booster valve power supply negative terminal
32	—	73	Exhaust valve power supply-
33	Acceleration sensor power supply+ - rear	74	Compressor relay power supply-
34	Height sensor power supply+ - right rear	75	—
35	Exhaust valve power supply+	76	Solenoid valve airbag terminal power supply- - left rear
36	—	77	Solenoid valve airbag terminal power supply- - right front
37	—	78	Solenoid valve airbag terminal power supply- - left front
38	—	79	Solenoid valve airbag terminal power supply- - right rear
39	—	80	—
40	—	81	—
41	Compressor relay power supply+	—	—

Definition of terminal M

Automatic A/C control unit

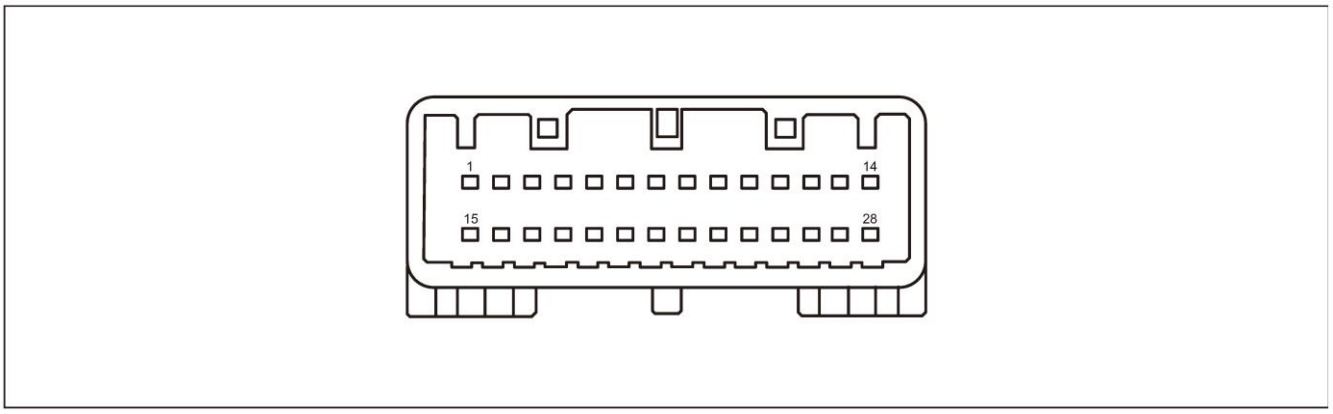


Automatic A/C control unit-A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Servo motor (LIN1)	5	LIN6
2	CAN_L	6	GND1
3	CAN_H	7	—
4	Power supply	8	B+

Automatic A/C control unit-B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Exterior air sensor	21	Fr cabin air sensor
2	Evaporator rear sensor input	22	—
3	Pressure sensor	23	Sensor signal
4	Water valve 1 feedback	24	Sensor signal
5	Feedback voltage output	25	Sensor signal
6	Rear HVAC right damper FB	26	Sensor signal
7	Rear HVAC right damper FB	27	Insolation sensor Pa
8	Sensor 5 V	28	Insolation sensor Dr
9	Fr cabin air sensor	29	Sensor GND
10	—	30	—
11	Chiller rear temperature sensor	31	—
12	—	32	—
13	Fr Blower control terminal _PWM control output	33	—
14	—	34	—
15	—	35	—
16	—	36	—
17	—	37	—
18	—	38	—
19	GND	39	AQS input
20	LIN5	40	ADS input signal

Automatic A/C control unit-C			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Chiller expansion valve B1	13	Heater expansion valve A1

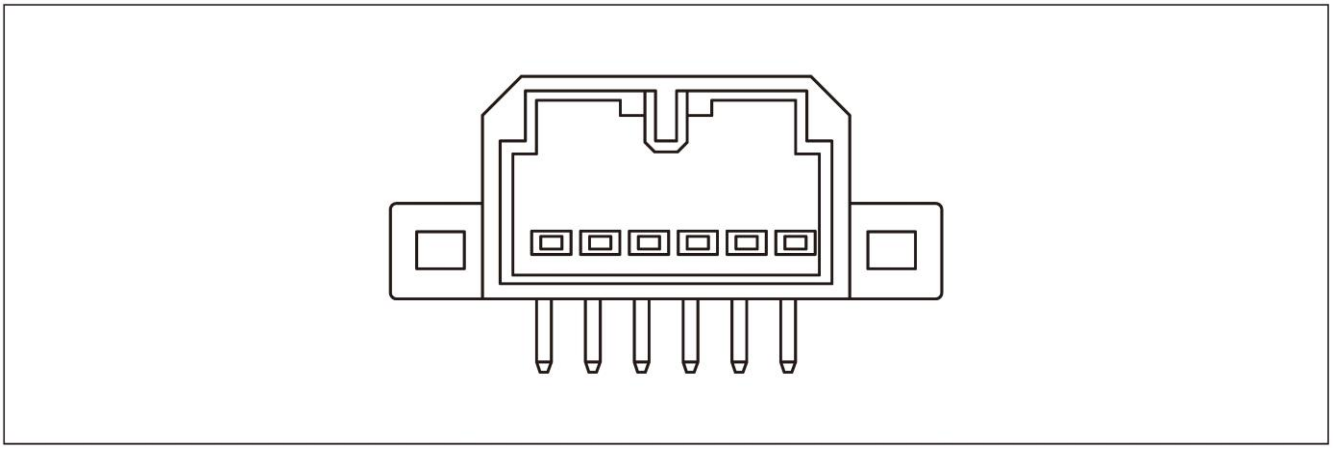
2	Chiller expansion valve B2	14	Heater expansion valve A2
3	Chiller expansion valve A2	15	Heater expansion valve B2
4	Chiller expansion valve A1	16	Heater expansion valve B1
5	—	17	—
6	Warmest →coldest	18	—
7	Coldest →warmest	19	—
8	Foot blowing to face blowing	20	A/C relay control
9	Face blowing to foot blowing	21	—
10	Water valve 1 output 1 (water valve OFF)	22	—
11	Water valve 2 output 2 (water valve ON)	23	—
12	Warmest →coldest	24	Coldest →warmest



Automatic A/C control unit D			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Battery expansion valve B1	14	—
2	Battery expansion valve B2	15	—
3	Battery expansion valve A2	16	—
4	Battery expansion valve A1	17	—
5	—	18	—
6	—	19	—
7	—	20	—
8	Rr Blower control terminal _PWM control output	21	—
9	—	22	—
10	—	23	—
11	—	24	—
12	—	25	—
13	—	26	—

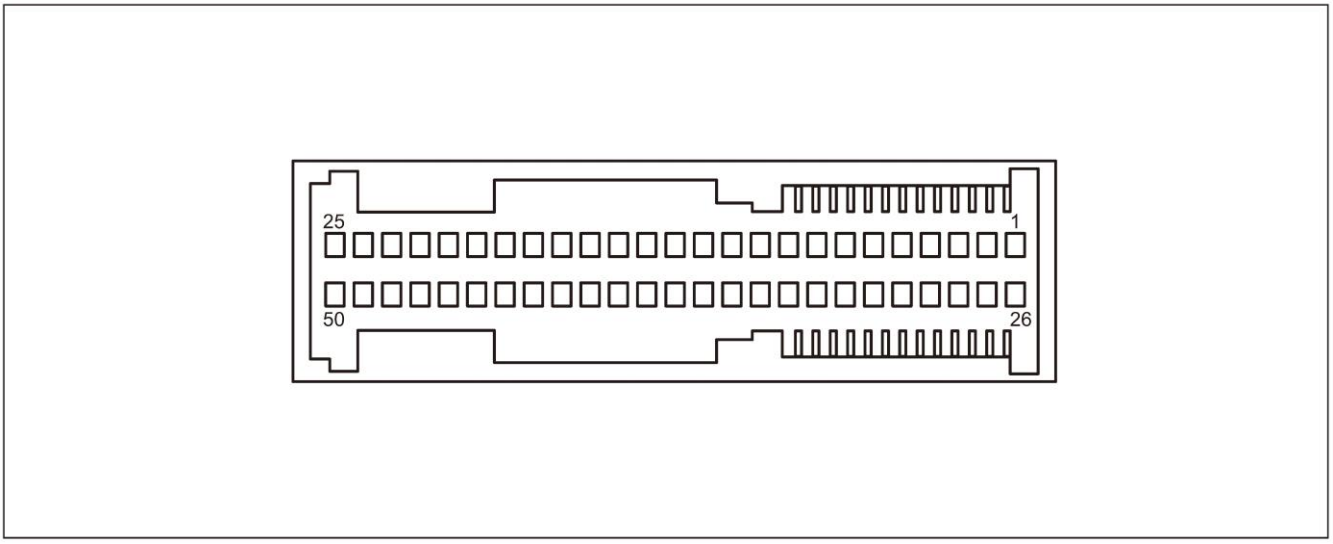
Definition of terminal M

Rear control panel switch



Rear control panel switch			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	4	Comfort_CAN_L
2	—	5	CND
3	IG	6	Comfort_CAN_H

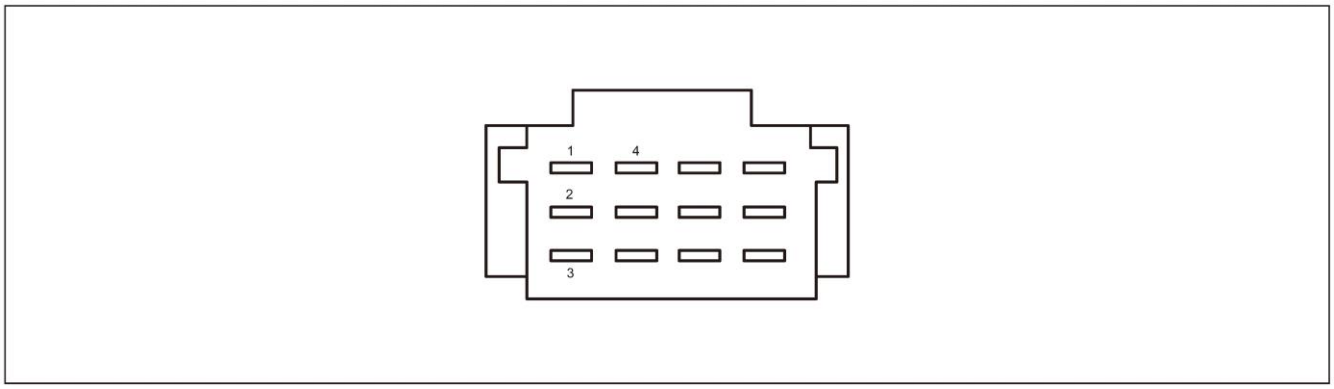
Airbag control unit



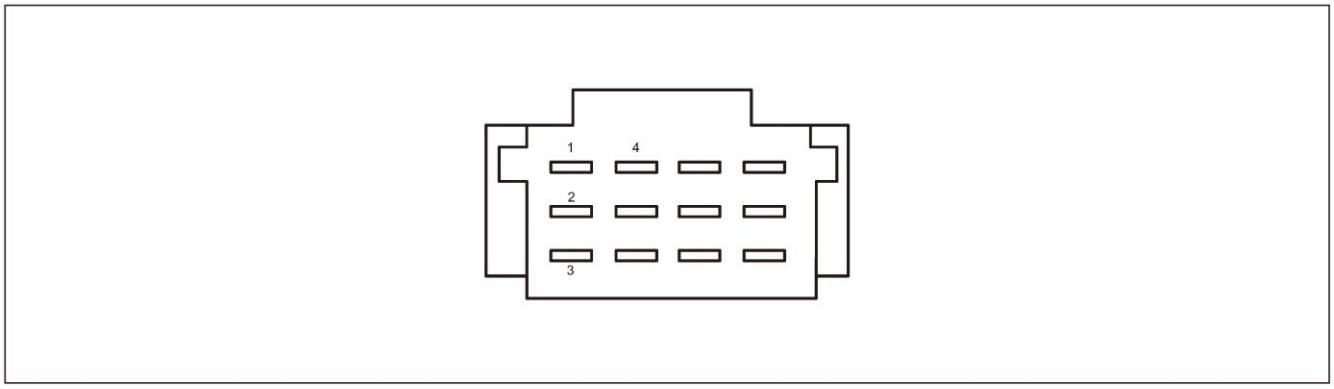
Airbag control unit			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Driver side airbag+	26	Left front impact sensor +
2	Driver side airbag-	27	Left front impact sensor-
3	Passenger side airbag-	28	Right front impact sensor-
4	Passenger side airbag+	29	Right front impact sensor+
5	IG	30	Driver seat belt buckle
6	GND	31	—
7	Passenger seat belt buckle + occupancy sensor	32	—
8	—	33	CAN_L
9	Rear left seat belt buckle	34	CAN_H
10	Driver front airbag+	35	Right pressure sensor+
11	Driver front airbag-	36	Right pressure sensor-
12	Left impact sensor+	37	Left impact sensor-
13	Passenger front airbag+	38	—
14	Passenger front airbag-	39	—
15	—	40	Rear middle seat belt buckle
16	Driver seat belt pretensioner-	41	2nd row left passenger side airbag +
17	Driver seat belt pretensioner+	42	2nd row left passenger side airbag-
18	Passenger seat belt pretensioner+	43	Left pressure sensor+
19	Passenger seat belt pretensioner-	44	Left pressure sensor-
20	Right impact sensor+	45	Right impact sensor-
21	—	46	Impact output
22	Left air curtain+	47	Rear right seat belt buckle
23	Left air curtain-	48	—
24	Right air curtain-	49	2nd row right passenger side airbag-
25	Right air curtain+	50	2nd row right passenger side airbag+

Definition of terminal M

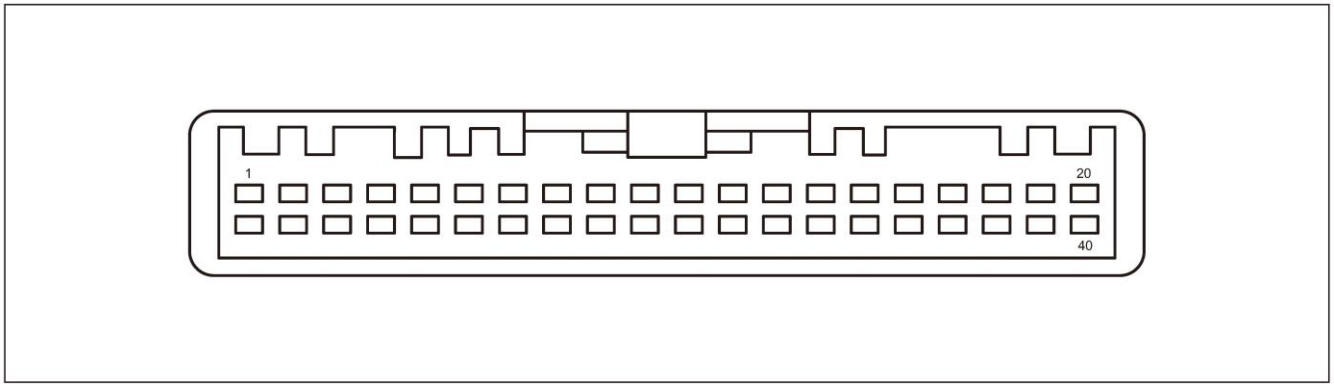
BCM



BCM-A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	7	Rear wiper power supply
2	Glove box unlocking drive	8	Power saving and power supply
3	Glove box unlocking power supply	9	GND
4	Wiper motor power supply	10	Interior lamp power
5	—	11	—
6	Ambient lamp control unit (base)	12	—

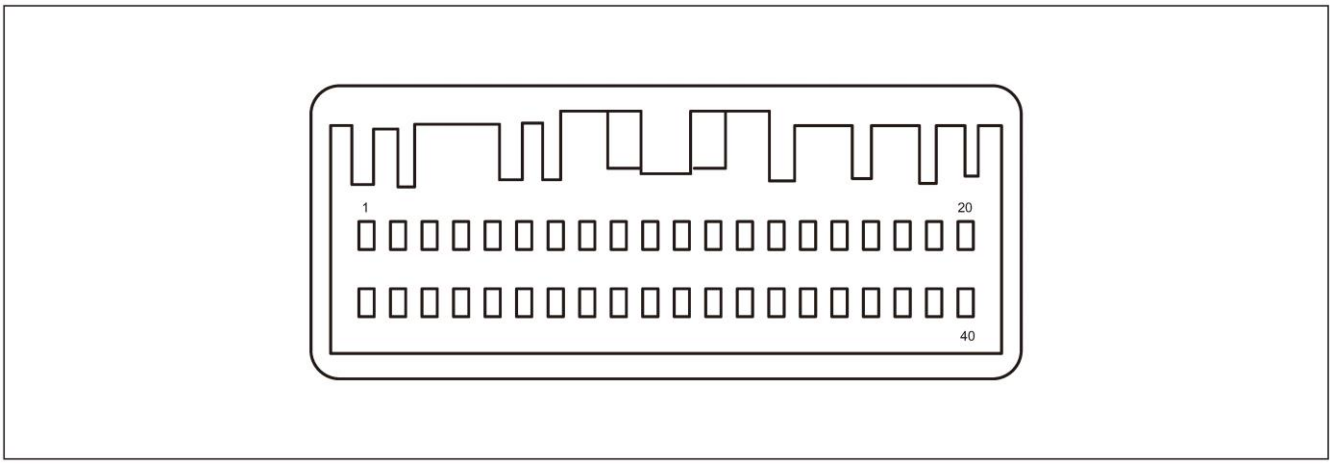


BCU-B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Normal power 1	7	—
2	Normal power 2	8	—
3	—	9	Trunk lamp/dual battery relay drive power supply
4	GND	10	—
5	—	11	—
6	—	12	—

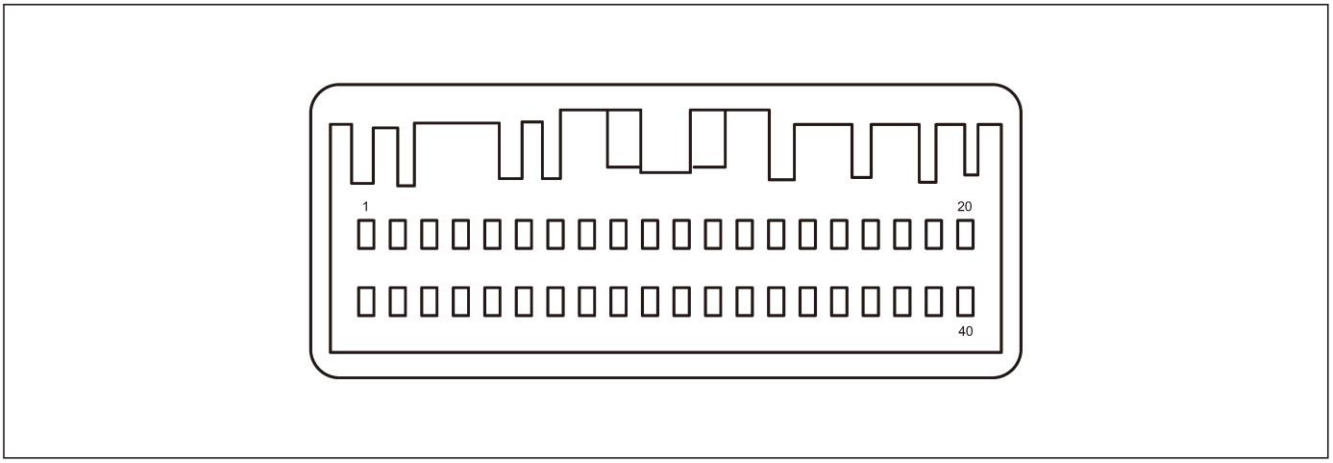


BCM-C			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	21	—
2	—	22	—
3	—	23	—
4	—	24	—
5	—	25	—
6	—	26	IG1 enable
7	—	27	IG2 enable
8	—	28	—
9	—	29	—
10	Trunk lamp drive	30	—
11	—	31	Charging enable
12	—	32	—
13	—	33	—
14	—	34	Brake switch N.O.
15	Trunk outside release switch	35	Start request
16	—	36	—
17	—	37	—
18	Anti-theft horn relay output	38	Front and rear washer pump motor relay+
19	Rearview mirror reversing signal	39	Front and rear washer pump motor relay-
20	Front and rear windshield heater	40	Hazard warning indicator

Definition of terminal M



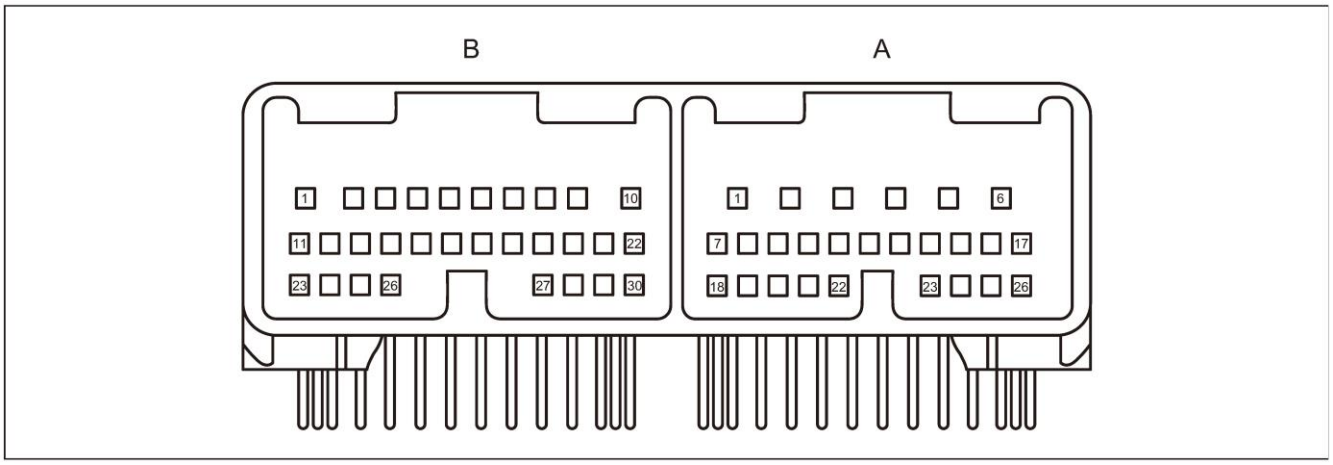
BCU-D			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Capacitor switch 1 power supply (front left)	21	Capacitor switch 3 power supply (rear left)
2	Capacitor switch 2 power supply (front right)	22	Capacitor switch 4 power supply (rear right)
3	—	23	—
4	—	24	—
5	—	25	Gating signal
6	—	26	—
7	Glove box switch	27	—
8	Suspension lowering button	28	—
9	Charging port state switch	29	—
10	Washer fluid level switch	30	—
11	—	31	—
12	—	32	Horn switch signal
13	Rear wiper reset signal	33	Hazard warning button
14	Suspension lifting button	34	—
15	—	35	Engine hood status switch
16	—	36	—
17	—	37	—
18	—	38	Comfort CAN_L
19	LIN	39	Comfort CAN_H
20	LIN	40	Ambient lamp



BCU-E			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Trunk outside antenna+ (trunk antenna)	21	Trunk inside antenna+ (in-vehicle antenna 2)
2	Trunk outside antenna- (trunk antenna)	22	Trunk inside antenna- (in-vehicle antenna 2)
3	Front passenger door outside antenna-	23	—
4	Front passenger door outside antenna+	24	—
5	Driver door outside antenna+	25	Console inside antenna+ (in-vehicle antenna 1)
6	Driver door outside antenna-	26	Console inside antenna- (in-vehicle antenna 1)
7	Capacitor switch 1 locked	27	—
8	Capacitor switch 2 locked	28	—
9	Capacitor switch 3 locked	29	—
10	Capacitor switch 3 to GND	30	—
11	Capacitor switch 4 locked	31	Capacitor switch 1 to GND
12	Capacitor switch 1 unlocked	32	Capacitor switch 2 unlocked
13	Capacitor switch 4 to GND	33	—
14	Capacitor switch 3 unlocked	34	—
15	—	35	IG1 feedback
16	Charging port unlocking switch	36	Capacitor switch 2 to GND
17	Capacitor switch 4 unlocked	37	LIN
18	—	38	—
19	Brake switch N.C.	39	—
20	IG1 feedback	40	—

Definition of terminal M

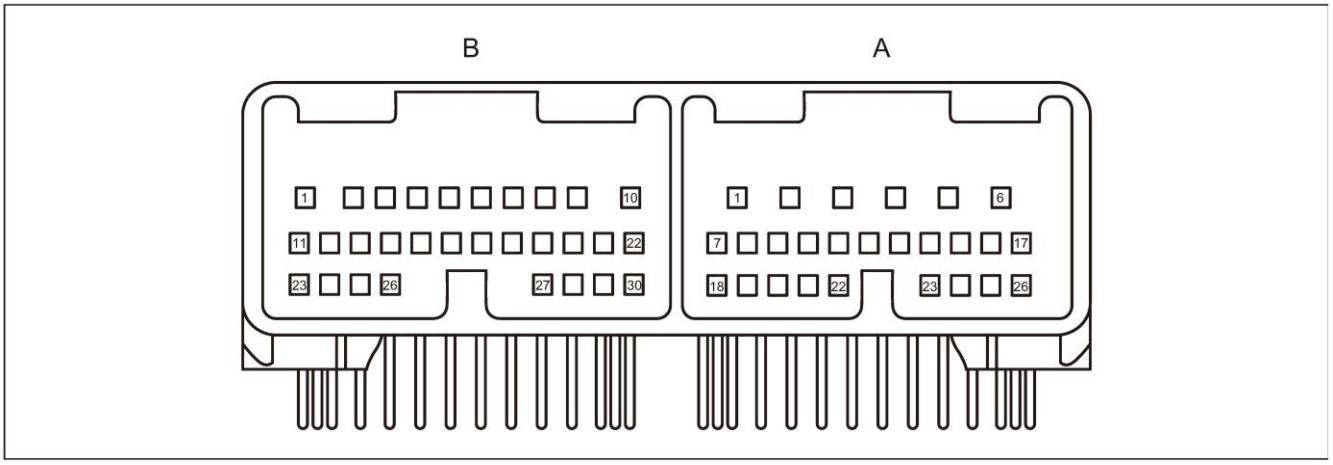
LF door control unit



DDCU-A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Normal power	14	—
2	GND	15	Left front window raising/lowering signal output
3	Window lifting	16	Right front window raising/lowering signal output
4	Window lowering	17	—
5	Electric suction door open	18	Left front door lamp output
6	Electric suction door close	19	Rearview mirror unfolding
7	Leftward/up regulating/folding of left exterior rearview mirror	20	Left front rearview mirror heating
8	Rightward regulating of exterior rearview mirror	21	—
9	Down regulating of left exterior rearview mirror	22	Exterior rearview mirror position memory GND
10	—	23	—
11	Rearview mirror position memory power supply	24	Upper and lower position memory signal to exterior rearview mirror
12	Right rear window raising/lowering signal output	25	—
13	Left rear window raising/lowering signal output	26	Left and right position memory signal to exterior rearview mirror

DDCU-B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Flush handle deployed output	16	Central unlock switch
2	Left rear child safety lock indicator	17	Door lock motor locked state feedback
3	BSD status indicator	18	Collision signal
4	—	19	Full lock signal of pull-in door
5	Right rear child safety lock indicator	20	—
6	Hidden handle retracted for output	21	Central lock switch
7	Central locking indicator	22	Claw switch (CLAW SW)
8	Unlock drive terminal	23	—
9	Lock drive terminal	24	Right rear child safety lock input
10	—	25	Left rear child safety lock input
11	Door lock motor unlock state feedback	26	Comfort CAN_H
12	Mechanical key unlocking switch	27	Backlight power supply
13	Half-open switch AJAR	28	Outer lever open signal (OUTER LEVER SW)
14	Comfort CAN_L	29	Handle deployed limit switch
15	Mechanical key locking switch	30	Handle recessed limit switch

LR door control unit

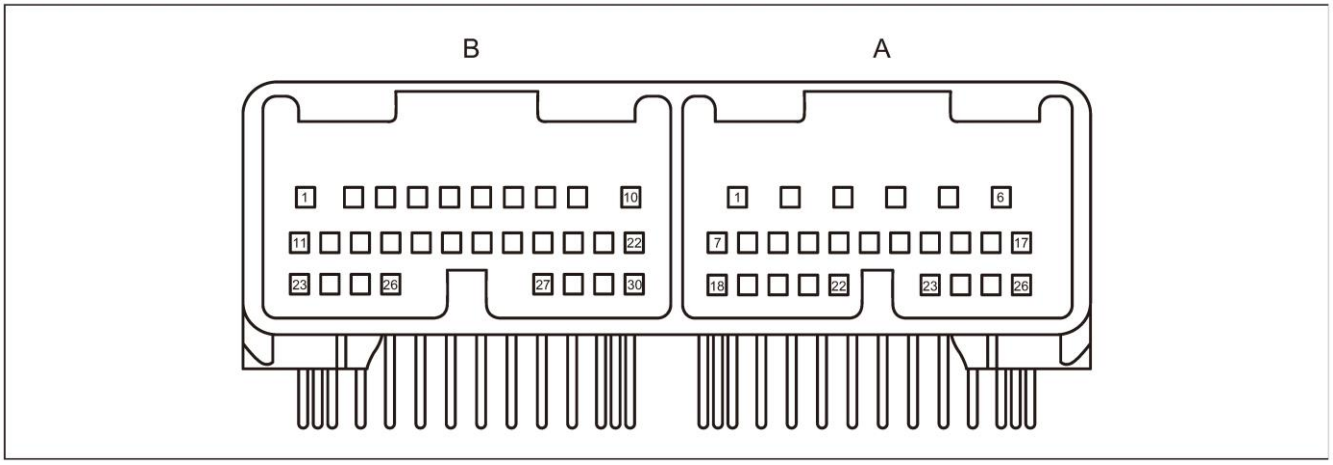


LR door control unit-A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Normal power 1	14	Handle recessed limit switch
2	GND	15	—
3	Window lifting	16	—
4	Window lowering	17	—
5	Electric suction door open	18	Door lock motor unlock state feedback
6	Electric suction door close	19	Hardwire collision signal
7	—	20	Left rear door window switch
8	Suction reset switch (OPEN POSITION SW)	21	Right rear door window switch
9	Claw switch (CLAW SW)	22	Left rear door window switch backlight GND
10	Half-open switch AJAR	23	—
11	Door lock motor locked state feedback	24	—
12	—	25	Outer lever open signal (OUTER LEVER SW)
13	Handle deployed limit switch	26	Child lock status switch

LR door control unit-B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	16	—
2	—	17	—
3	—	18	—
4	Hidden handle retracted for output	19	—
5	Flush handle deployed output	20	—
6	—	21	—
7	Left rear door unlocking output	22	—
8	Child safety lock unlock output	23	Door window switch backlight GND
9	Left rear door lamp output	24	—
10	Lock drive terminal	25	—
11	—	26	Comfort CAN_H
12	—	27	—
13		28	—
14	Comfort CAN_L	29	—
15	—	30	—

Definition of terminal M

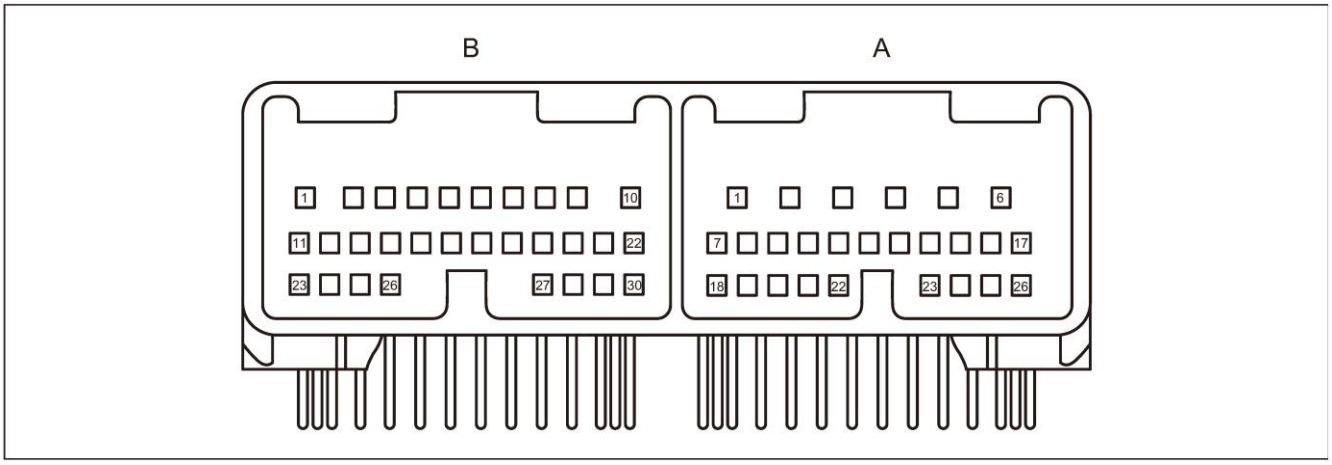
RF door control unit



PDCU A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Normal power 1	14	—
2	GND	15	—
3	Window lifting	16	Right front window switch
4	Window lowering	17	—
5	Electric suction door open	18	Right front door lamp output
6	Electric suction door close	19	Rearview mirror unfolding
7	Rightward/up regulating/folding of right exterior rearview mirror	20	Right front rearview mirror heating
8	Rightward regulating of right exterior rearview mirror	21	—
9	Down regulating of right exterior rearview mirror	22	Exterior rearview mirror position memory GND/right front door power window switch backlight GND
10	—	23	—
11	Rearview mirror position memory power supply	24	Upper and lower position memory signal to exterior rearview mirror
12	—	25	—
13	—	26	Right exterior rearview mirror position memory signal

PDCU B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Flush handle deployed output	16	—
2	—	17	Door lock motor locked state feedback
3	BSD status indicator	18	Collision signal
4	—	19	Suction reset switch (OPEN POSITION SW)
5	—	20	—
6	Hidden handle retracted for output	21	—
7	—	22	Claw switch (CLAW SW)
8	Unlock drive terminal	23	—
9	Lock drive terminal	24	—
10	—	25	—
11	Door lock motor unlock state feedback	26	Comfort CAN-H
12	—	27	Backlight power supply
13	Half-open switch AJAR	28	Outer lever open signal (OUTER LEVER SW)
14	Comfort CAN-L	29	Handle deployed limit switch
15	—	30	Handle recessed limit switch

RR door control unit

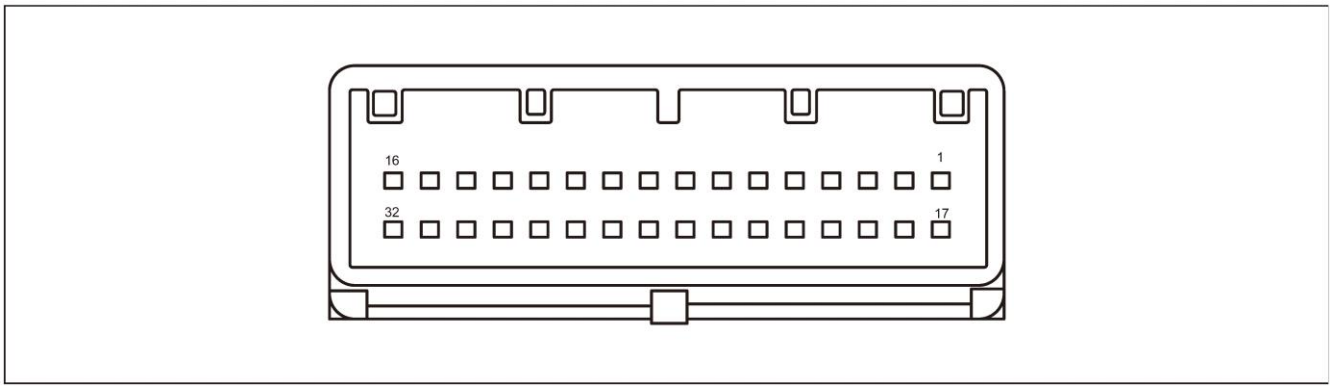


RR door control unit-A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Normal power 1	14	Handle recessed limit switch
2	GND	15	—
3	Window lifting	16	—
4	Window lowering	17	—
5	Electric suction door open	18	Door lock motor unlock state feedback
6	Electric suction door close	19	Hardwire collision signal
7	—	20	Right rear door window switch
8	Suction reset switch (OPEN POSITION SW)	21	Right rear door window switch
9	Claw switch (CLAW SW)	22	Door window switch backlight GND
10	Right rear door state switch (AJAR SW)	23	—
11	Door lock motor locked state feedback	24	—
12	—	25	Outer lever open signal (OUTER LEVER SW)
13	Handle deployed limit switch	26	Child lock status switch

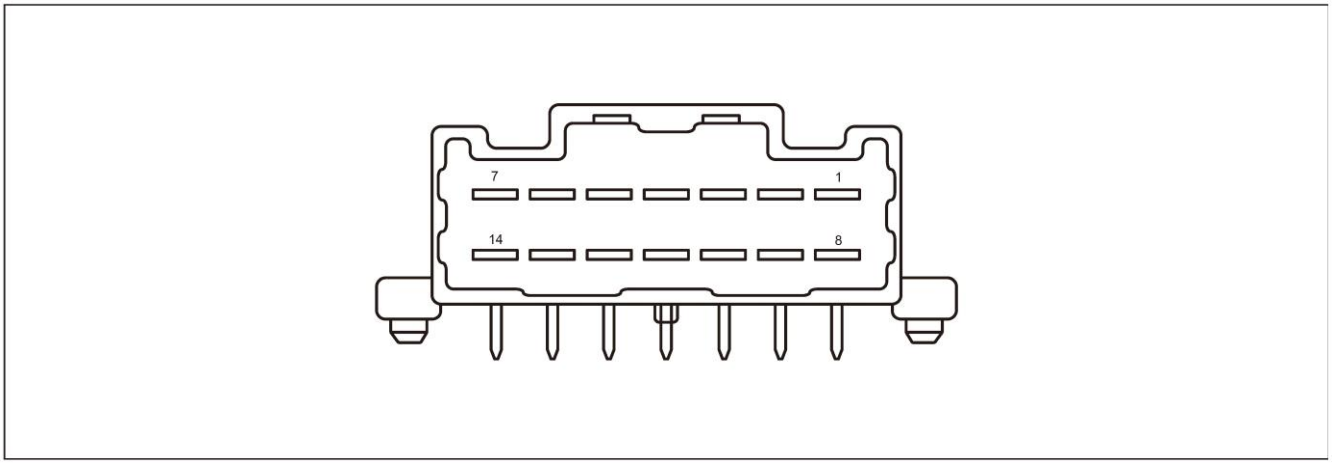
RR door control unit-B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	16	—
2	—	17	—
3	—	18	—
4	Hidden handle retracted for output	19	—
5	Flush handle deployed output	20	—
6	—	21	—
7	Right rear door unlocking output	22	—
8	Child safety lock unlocking drive terminal	23	Door window switch backlight GND
9	Right rear door lamp output	24	—
10	Lock drive terminal	25	—
11	—	26	Comfort CAN_H
12	—	27	—
13	—	28	—
14	Comfort CAN_L	29	—
15	—	30	—

Definition of terminal M

PLG control unit



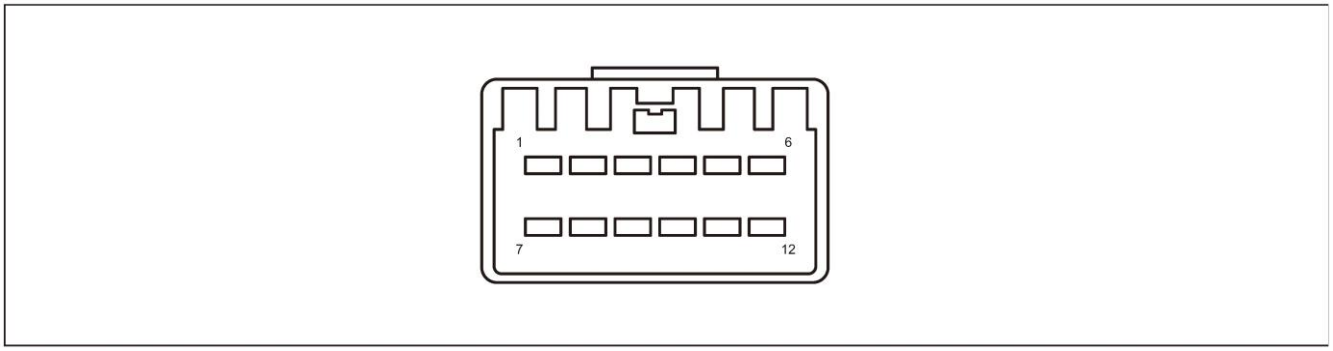
PLG control unit- A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Hall power supply	17	—
2	Hall ground	18	—
3	Interior trunk lock switch	19	Hall signal B
4	Hall signal A	20	—
5	—	21	—
6	Switch2 (ajar signal)	22	—
7	Interior trunk lock switch (vehicle)	23	—
8	Switch3 (claw signal)	24	—
9	Comfort_CAN_L	25	—
10	Comfort_CAN_H	26	—
11	Switch1 (close signal)	27	—
12	Lock signal	28	—
13	Hall signal B	29	—
14	Hall signal A	30	—
15	Hall ground	31	—
16	Hall power supply	32	—



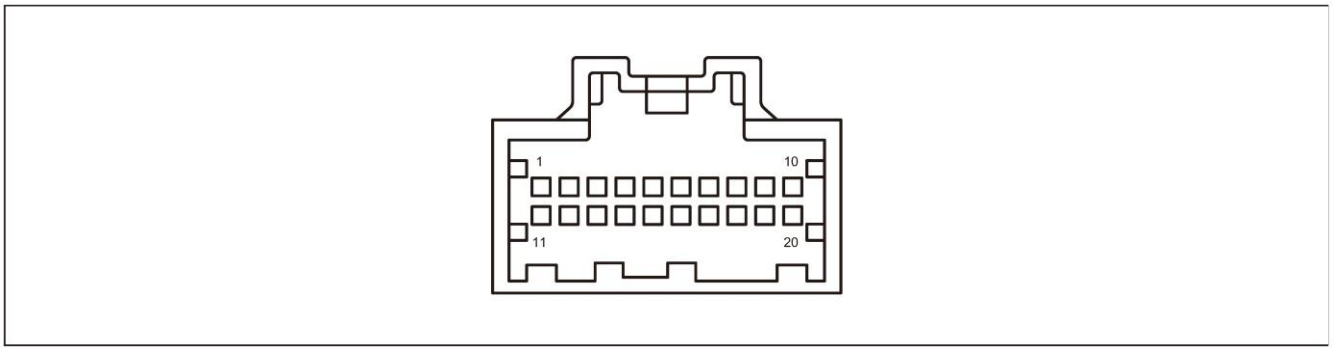
PLG control unit- B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Lock actuator+	8	Lock actuator-
2	Left strut close+	9	PLG gate lock-
3	—	10	PLG gate lock+
4	Left strut close-	11	—
5	—	12	—
6	Left strut close+	13	GND
7	Left strut close-	14	Power supply

Definition of terminal M

Driver seat control unit

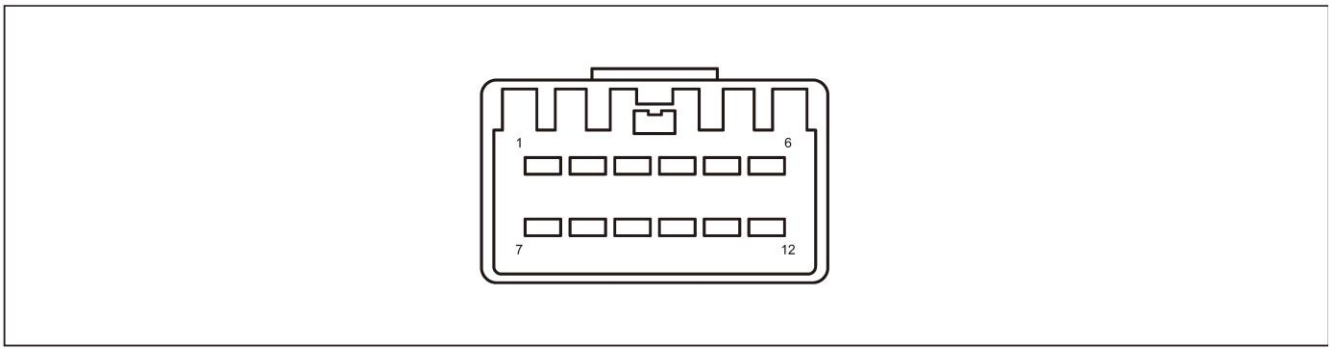


DSCU-A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Left front seat forward	7	Left front seat motor down
2	Left front seat backward	8	Left front seat motor up
3	Left front seat backrest forward	9	Left front seat motor down
4	Left front seat backrest backward	10	Left front seat motor up
5	Normal power 2	11	GND
6	Normal power 3	12	GND

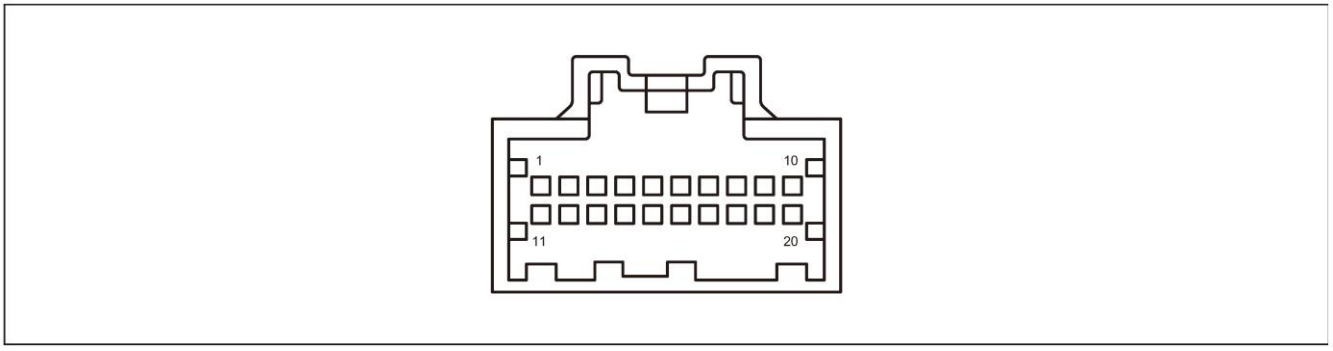


DSCU-C			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Left front seat Hall power supply	11	Left front seat back input
2	—	12	Left front seat backrest back input
3	—	13	Left front seat forward input
4	Left front seat motor up/down Hall signal	14	Left front seat motor down input
5	—	15	Left front seat cushion angle motor down input
6	Switch GND	16	Left front seat motor up input
7	—	17	Left front seat backrest forward input
8	—	18	Left front seat cushion angle motor up input
9	—	19	Comfort_CAN_H
10	—	20	Comfort_CAN_L

PSCU



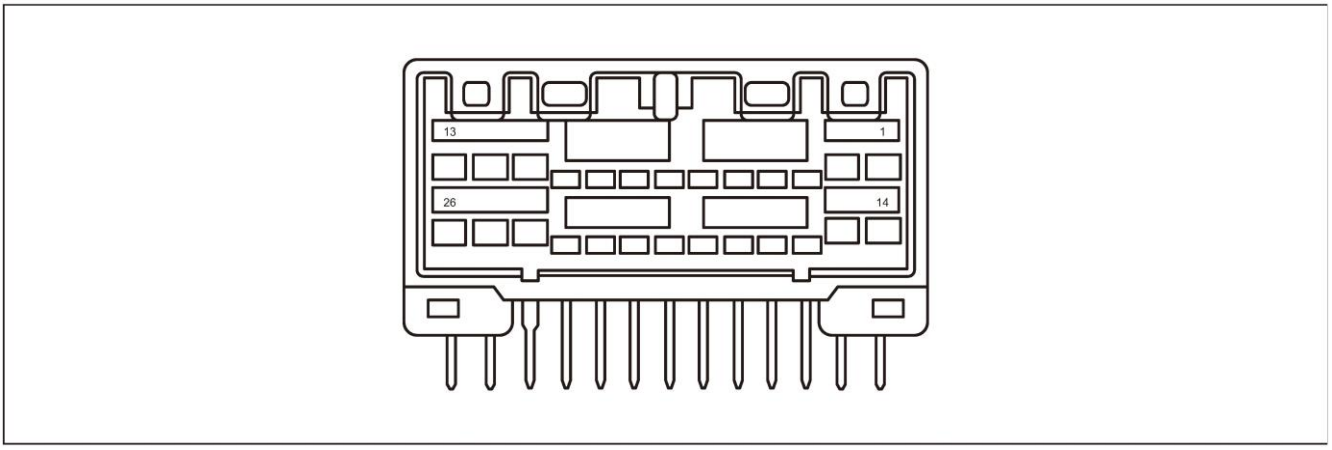
PSCU-A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Right front seat forward	7	Right front seat motor down
2	Right front seat backward	8	Right front seat motor up
3	Right front seat backrest forward	9	—
4	Right front seat backrest backward	10	—
5	Normal power 2	11	GND
6	Normal power 3	12	GND



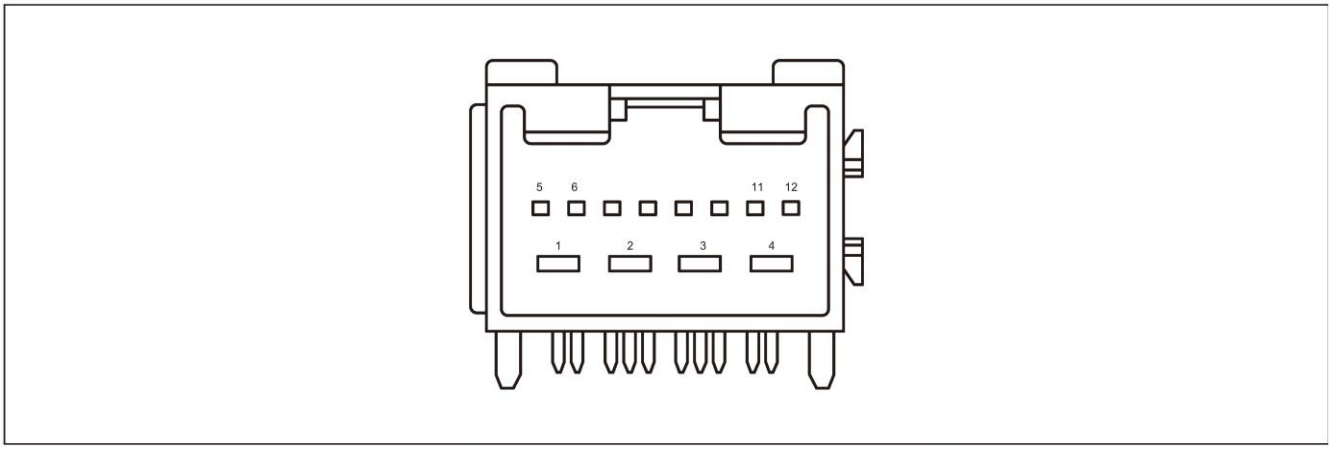
PSCU-C			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Right front seat Hall power supply	11	Rear right seat back input
2	—	12	Right front seat backrest back input
3	—	13	Right front seat forward input
4	Left front seat motor up/down Hall signal	14	Right front seat motor down input
5	—	15	—
6	Switch GND	16	Right front seat motor up input
7	—	17	Right front seat backrest forward input
8	—	18	—
9	—	19	Comfort_CAN_H
10	—	20	Comfort_CAN_L

Definition of terminal M

Seat climate control unit



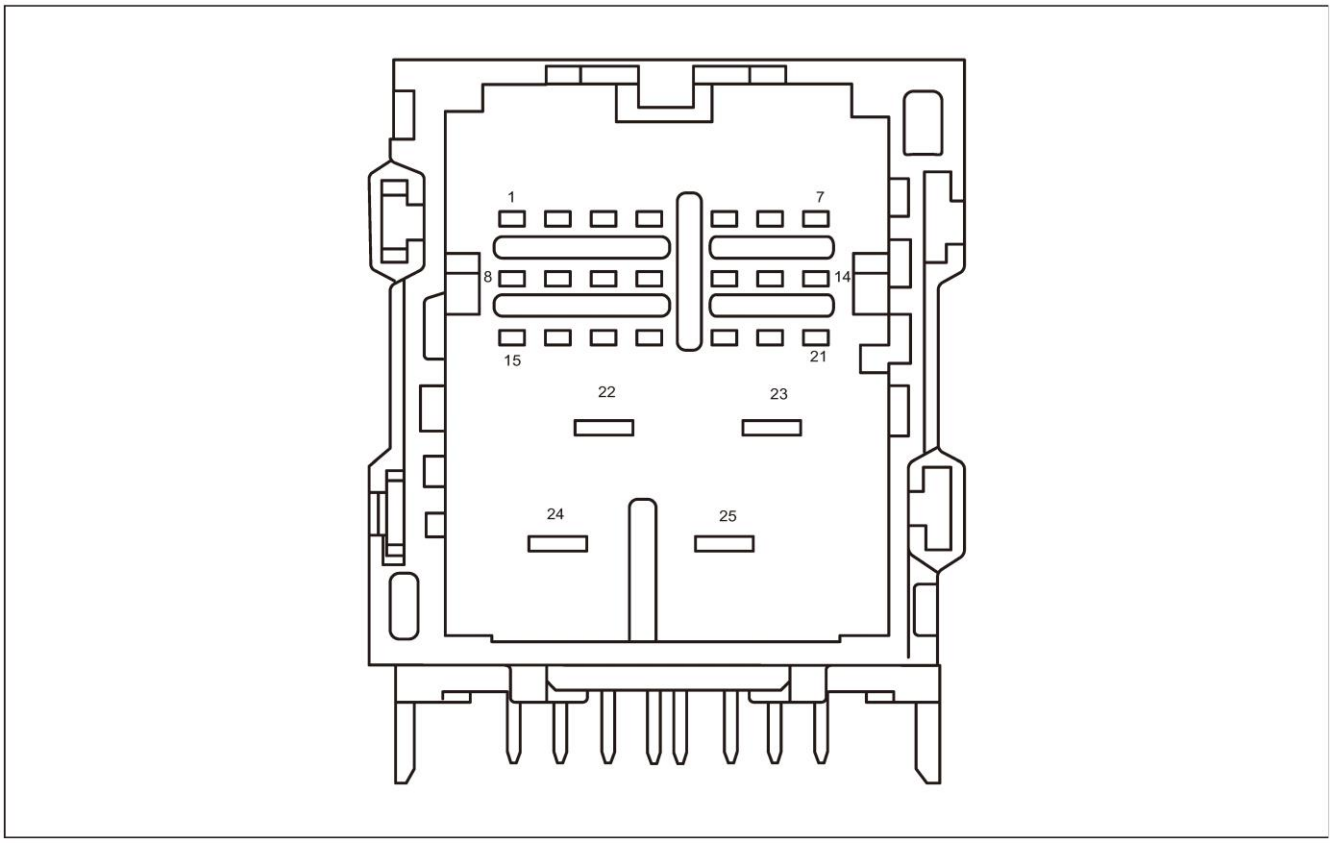
Seat climate control unit-A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	2nd row left heater power supply	14	—
2	Heating power supply at front passenger side	15	2nd row right heater power supply
3	Heating power supply at driver side	16	—
4	—	17	—
5	—	18	—
6	Temperature sensor GND	19	—
7	—	20	—
8	2nd row right NTC sensor	21	GND
9	2nd row left NTC sensor	22	Comfort_CAN_H
10	Front passenger NTC sensor	23	Comfort_CAN_L
11	Driver side NTC sensor	24	LIN
12	—	25	—
13	GND	26	—



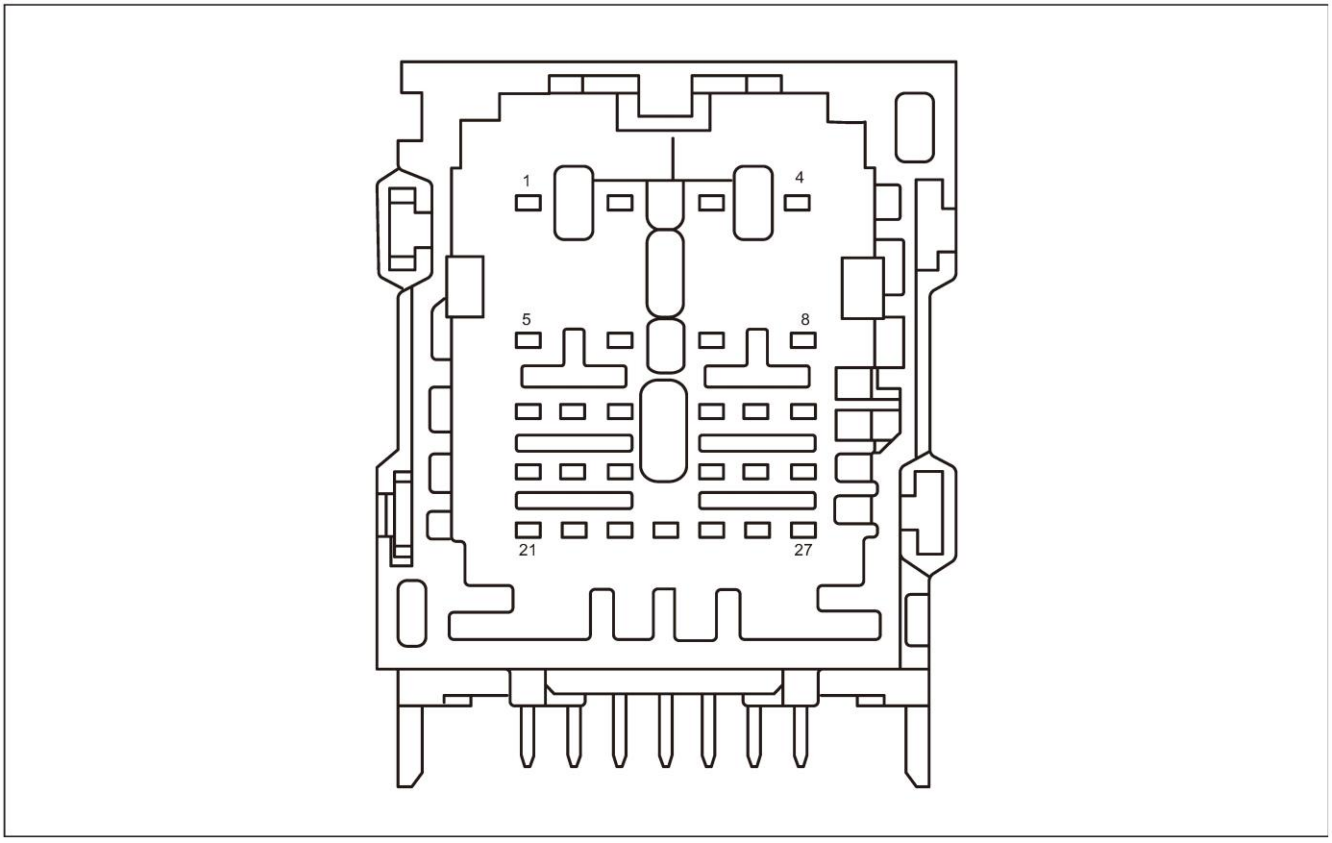
Seat climate control unit-B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Normal power	8	—
2	Normal power	9	—
3	Normal power 1	10	—
4	Normal power 2	11	—
5	—	12	—
6	—	13	—
7	—	14	—

Definition of terminal M

Front light control unit



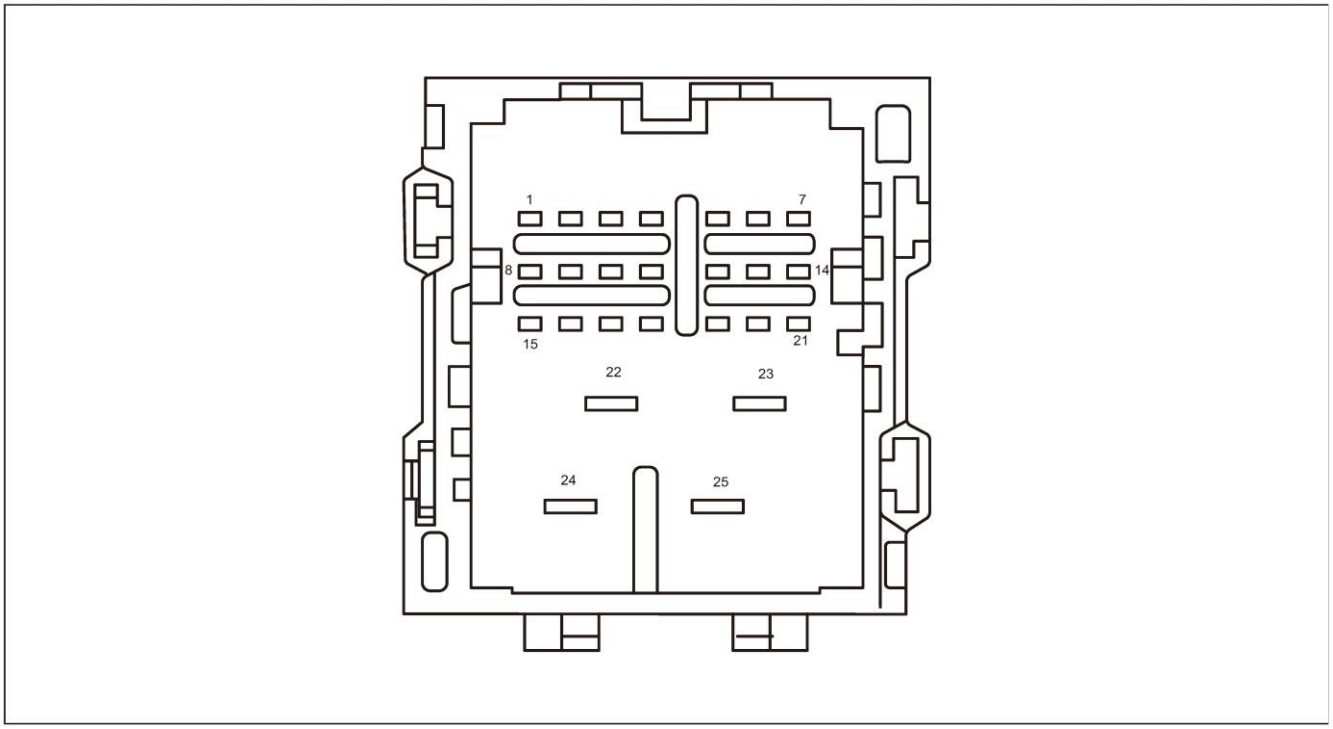
Front lighting control unit - A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	ALS_LIN signal	14	—
2	Lighting LIN signal GND	15	Left turn signal
3	Lighting LIN signal	16	Right turn signal
4	Front height sensor signal	17	—
5	Rear height sensor signal	18	—
6	Comfort_CAN_H	19	—
7	Comfort_CAN_L	20	—
8	—	21	—
9	—	22	Left power supply B+
10	—	23	GND
11	—	24	Domain controller power supply
12	—	25	Right power supply B+
13	—	—	—



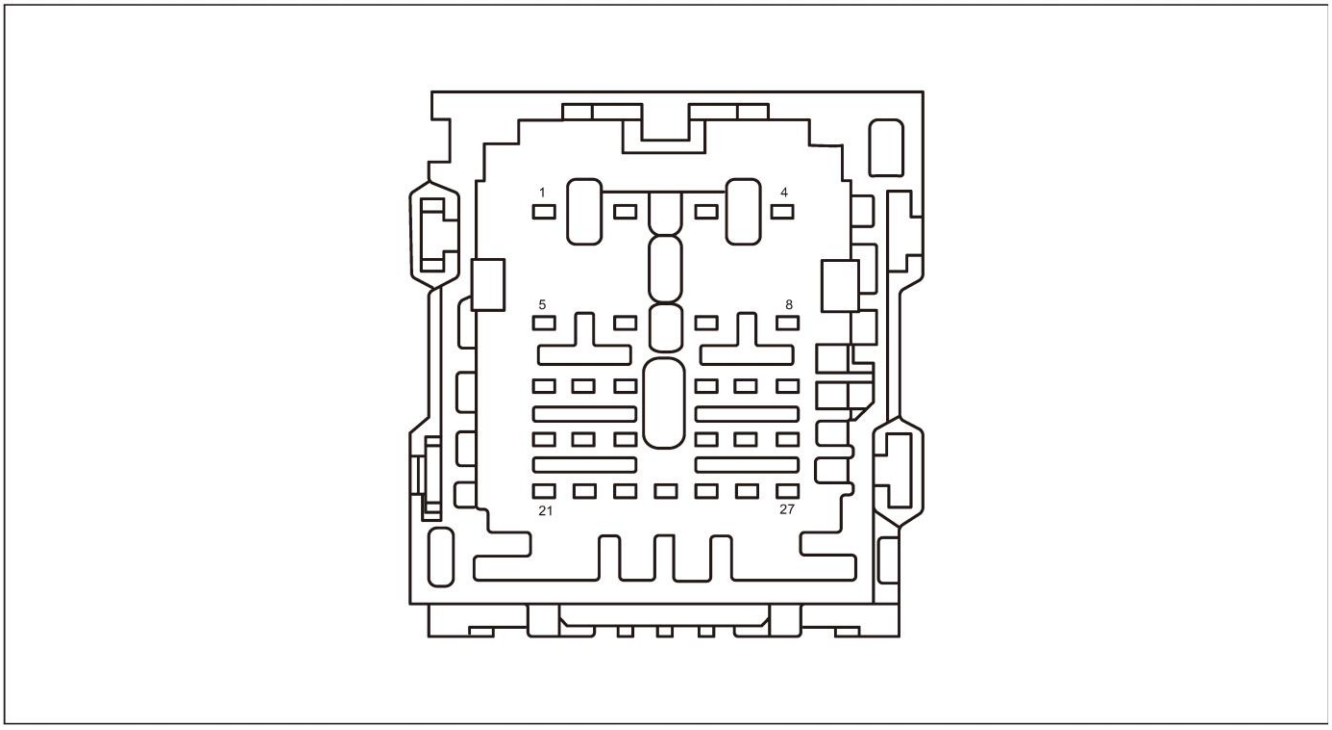
Front lighting control unit - B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Right front combination lamp II power supply+	15	—
2	Right front combination lamp III power supply+	16	—
3	Left front combination lamp III power supply+	17	—
4	Left courtesy lamp	18	Left motor+
5	Left front position lamp+	19	Right motor+
6	Left front position lamp+	20	—
7	Right courtesy lamp	21	—
8	—	22	—
9	Engine hood grille lamp power supply+	23	—
10	Left front combination lamp II power supply+	24	—
11	Right turn signal lamp	25	—
12	Left turn signal lamp	26	Front height sensor+
13	—	27	Rear height sensor+
14	—	—	—

Definition of terminal M

Rear lamp control unit



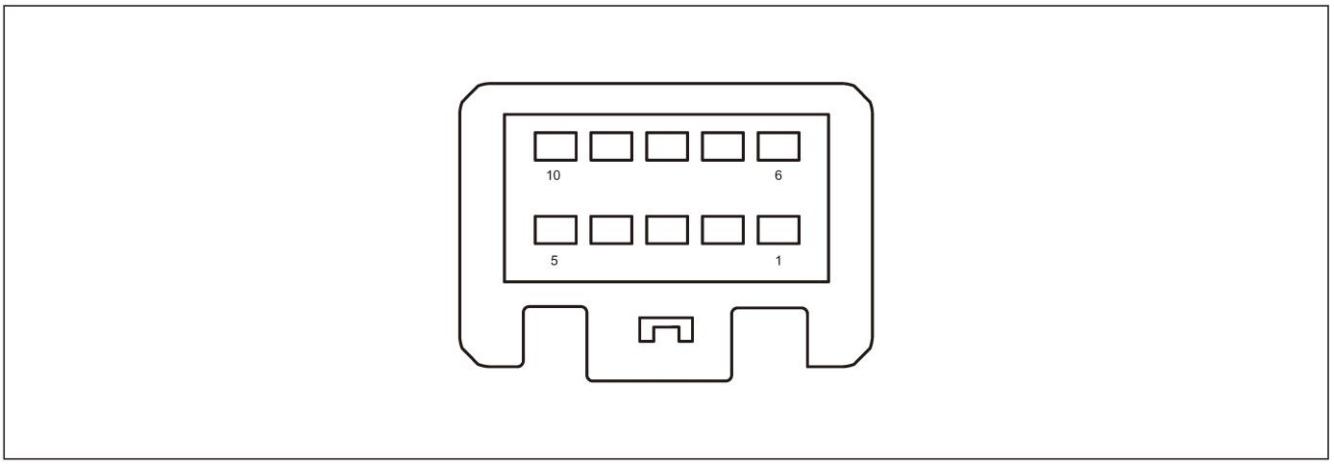
Rear lighting control unit - A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	14	Brake switch N.C.
2	—	15	—
3	—	16	—
4	—	17	—
5	—	18	—
6	Right turn signal line	19	—
7	—	20	Right rear fog lamp brake switch NO
8	—	21	Brake signal line
9	—	22	Domain controller power supply
10	Lighting LIN signal	23	GND
11	Comfort_CAN_L	24	Left power supply B+
12	Comfort_CAN_H	25	Right power supply B+
13	Left turn signal line	—	—



Rear lamp controller-B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	15	License plate lamp+
2	—	16	Left rear position/side marker lamp power supply+
3	Turn signal lamp+	17	Position lamp+
4	Turn signal lamp+	18	Right rear position lamp+
5	—	19	Position lamp+
6	—	20	High mounted brake lamp+
7	—	21	
8	—	22	Left rear turn signal light +
9	—	23	Right rear turn signal light+
10	—	24	Stop lamp
11	Left reversing lamp	25	License plate lamp+
12	Left rear fog lamp	26	Stop lamp
13	Right rear reversing lamp	27	—
14	Right rear fog lamp	—	—

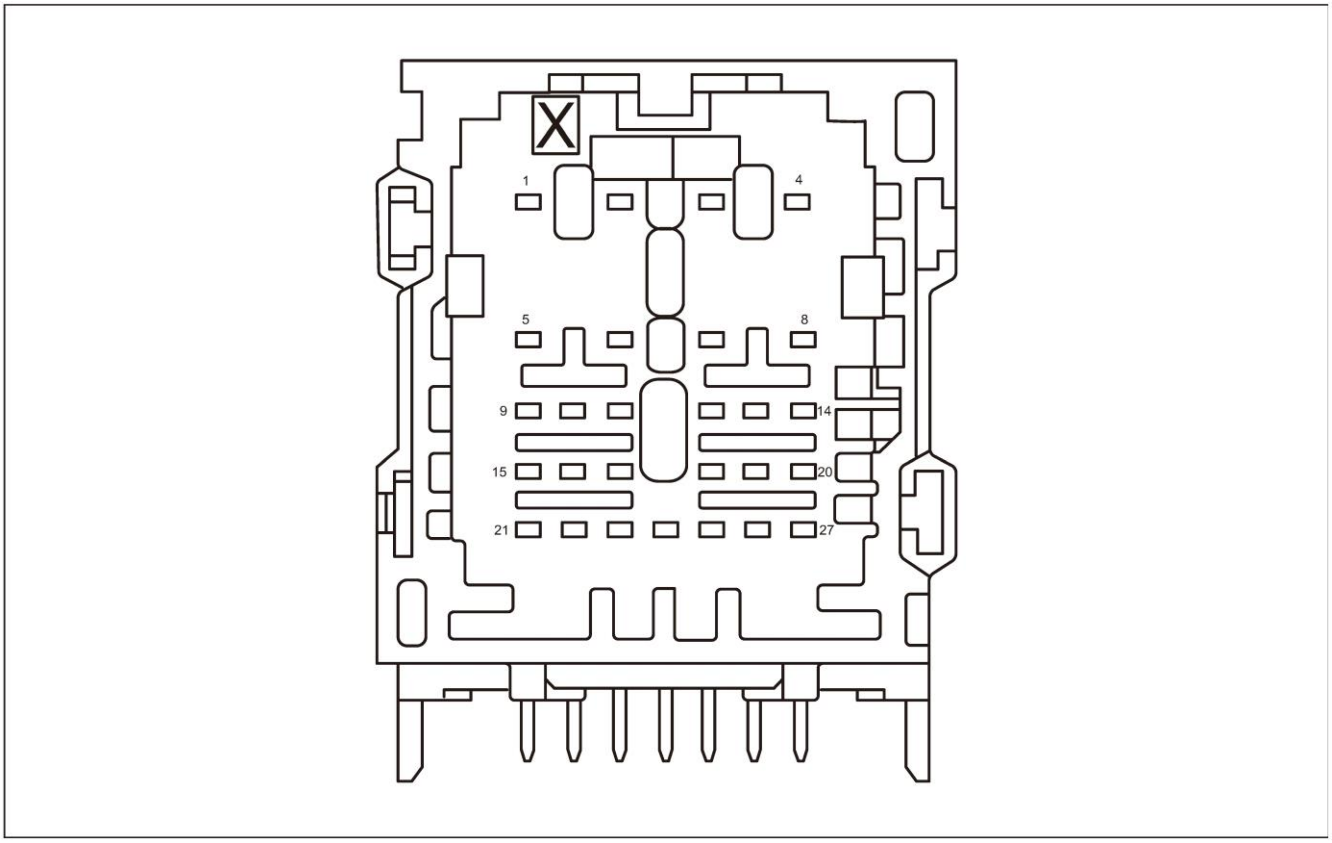
Definition of terminal M

Sunroof motor control unit



Sunroof motor control unit			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	GND	6	—
2	Sunroof tilt up/open	7	Sunshade open
3	Sunroof tilt down/close	8	Sunshade close
4	—	9	LIN
5	B+	10	—

IVI control unit

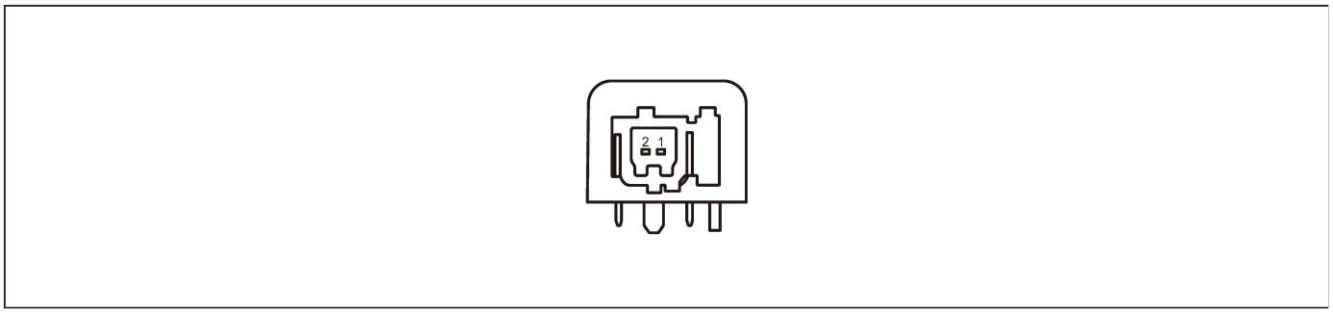


IVI control unit C12			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Switch backlight	15	Audio output to intelligent antenna shielded ground
2	GND	16	Left audio output to smart antenna
3	Hazard warning lamp switch backlight	17	Left audio output GND
4	—	18	Battery coolant level switch "+”
5	—	19	Battery coolant level switch
6	Brake fluid level low signal input	20	Microphone 3 signal input
7	Front passenger screen backlight enable signal	21	Microphone 3 input ground cable
8	Front passenger screen fault signal output	22	Microphone 4 signal input
9	LIN	23	Microphone 4 input ground cable
10	—	24	Front passenger screen wake-up signal
11	Motor coolant level sensor "+”	25	Left audio input GND
12	Motor coolant level sensor "-”	26	Left audio input to intelligent antenna
13	—	27	Audio input to intelligent antenna shielded ground
14	—	—	—

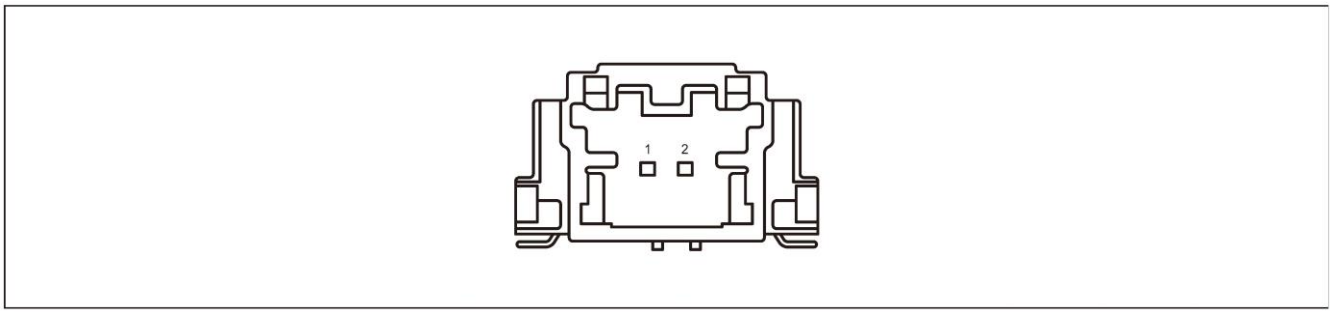
IVI control unit C13			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	15	Microphone 2 signal input
2	—	16	Information CAN-H
3	Normal power	17	Information CAN-L
4	Normal power	18	IP screen wake-up signal

Definition of terminal M

5	IG	19	—
6	—	20	Middle display wake-up signal
7	GND	21	Middle display fault signal output
8	GND	22	IP screen fault signal output
9	Audio input-	23	Left front brake shoe alarm switch
10	Audio input +	24	Right rear brake shoe alarm switch
11	IP screen backlight enable signal	25	Middle screen backlight enable signal
12	Microphone 1 input ground cable	26	—
13	Microphone 1 signal input	27	—
14	Microphone 2 input ground cable	—	—

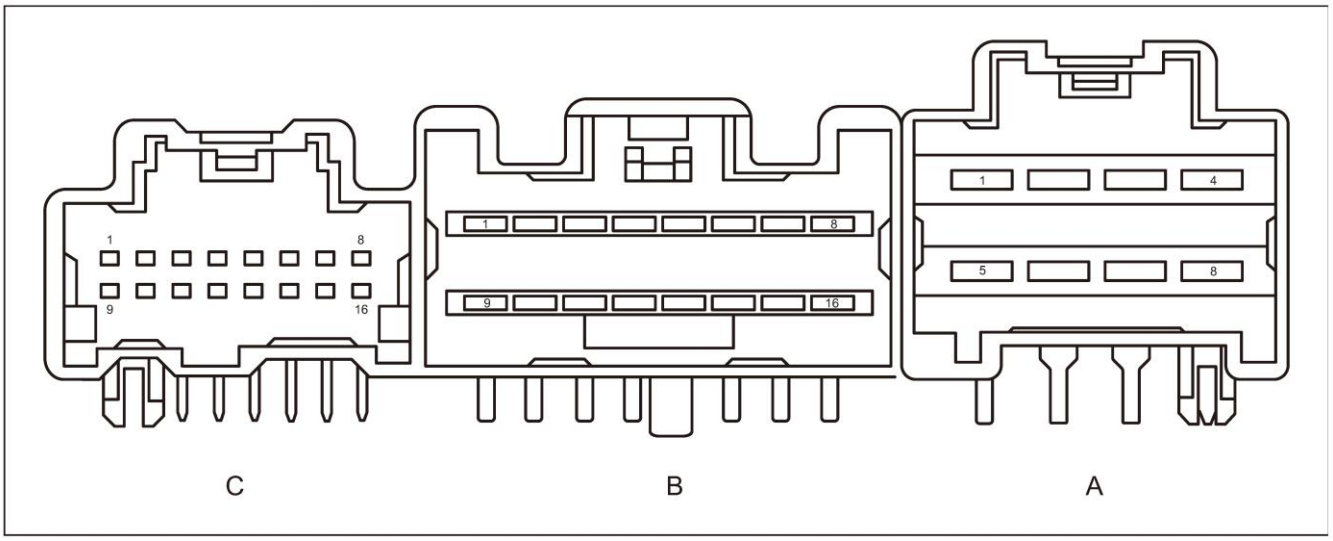


IVI control unit C9			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	ETH IVI1 P	2	ETH IVI1 N



IVI control unit C8			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	A2B B P	2	A2B B N

Power amplifier (premium)

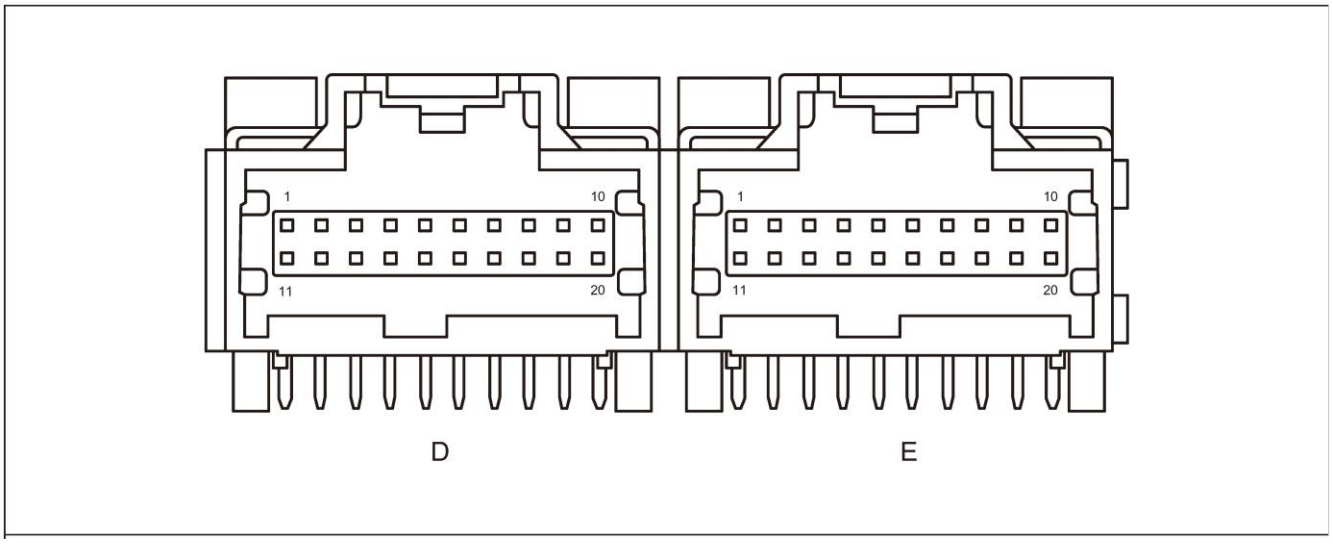


Power amplifier (premium)- A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Left front door squawker and woofer +	5	Left front door squawker and woofer -
2	Subwoofer 2 +	6	Subwoofer 2 -
3	Subwoofer 1 +	7	Subwoofer 1 -
4	Power supply	8	GND

Power amplifier (premium)- B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Left rear door squawker and tweeter +	9	Left rear door squawker and tweeter -
2	Right front door squawker and tweeter +	10	Right front door squawker and tweeter -
3	Left front door squawker and tweeter +	11	Left front door squawker and tweeter -
4	—	12	—
5	—	13	—
6	Right rear door squawker and woofer +	14	Right rear door squawker and woofer -
7	Left rear door squawker and woofer +	15	Left rear door squawker and woofer -
8	Right front door squawker and woofer +	16	Right front door squawker and woofer -

Power amplifier (premium)- C			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	9	—
2	Center squawker and tweeter +	10	—
3	Center squawker and tweeter -	11	—
4	Right surround mid-tweeter +	12	—
5	Right surround mid-tweeter -	13	—
6	Left surround mid-tweeter +	14	—
7	Left surround mid-tweeter -	15	—
8	Right rear door squawker and tweeter +	16	Right rear door squawker and tweeter -

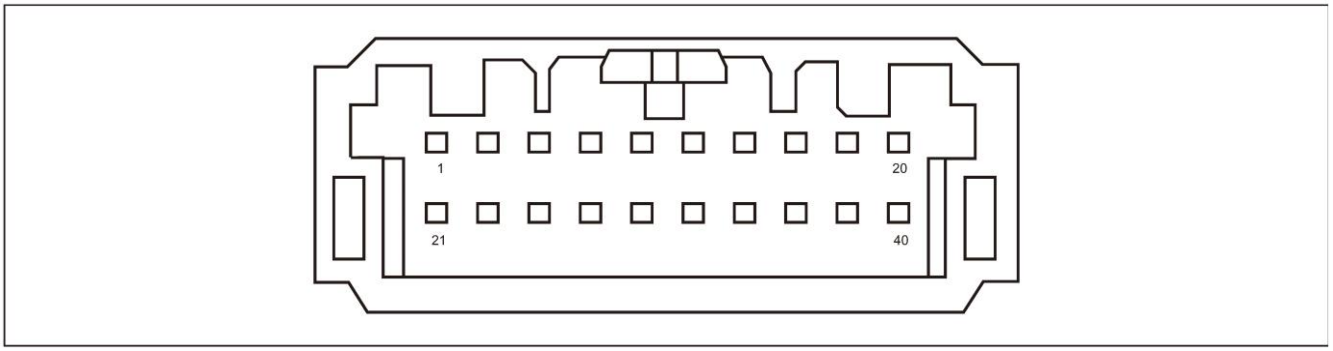
Definition of terminal M



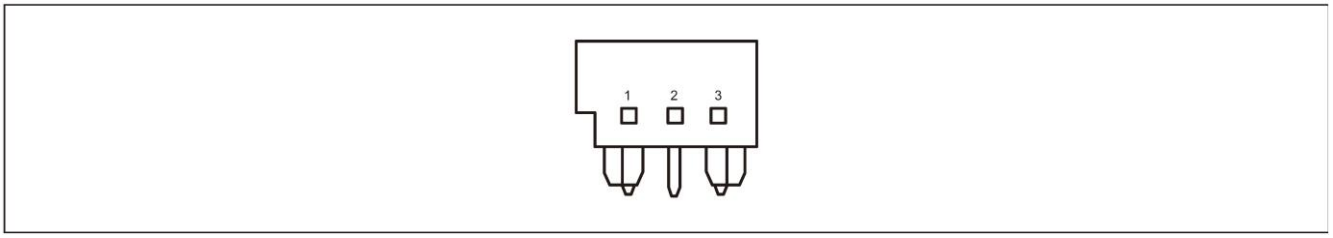
Power amplifier (premium)- D			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	9	—
2	—	10	—
3	—	11	—
4	A2B_A-	12	—
5	A2B_A+	13	—
6	—	14	—
7	—	15	—
8	—	16	—

Power amplifier (premium)- E			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Information CAN-H	11	—
2	Information CAN-L	12	—
3	—	13	—
4	—	14	—
5	—	15	—
6	—	16	—
7	—	17	—
8	—	18	—
9	—	19	—
10	—	20	—

Intelligent antenna (T-BOX)



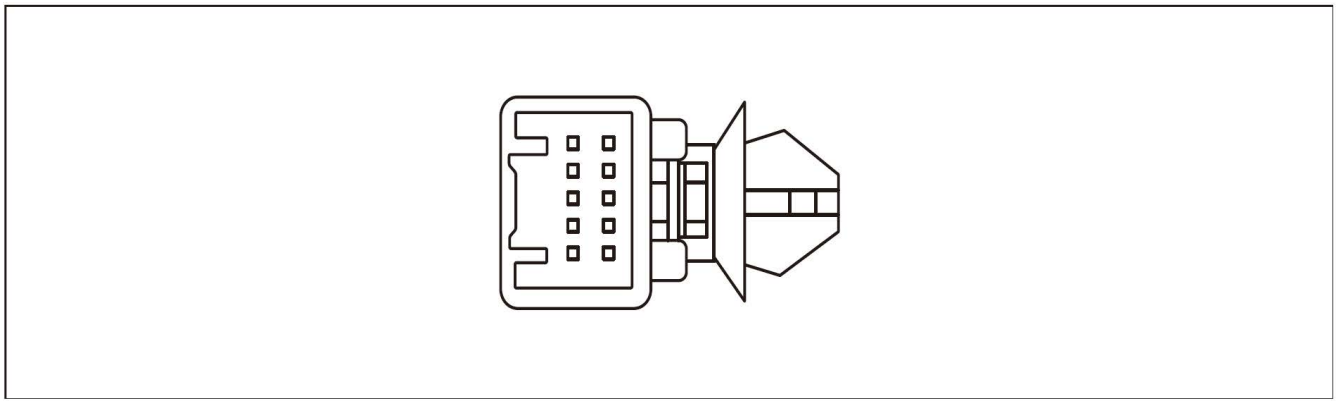
Intelligent antenna (T-BOX)			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	21	—
2	—	22	—
3	—	23	—
4	—	24	—
5	—	25	Differential analog audio output to front row IHU -
6	Differential analog audio output to front row IHU +	26	Shield GND
7	Shield GND	27	Single-ended MIC output to front row IHU GND
8	Single-ended MIC output to front row IHU	28	—
9	—	29	—
10	—	30	ECALL button input GND
11	ECALL button input	31	—
12	—	32	—
13	—	33	ECALL working indicator
14	—	34	—
15	—	35	—
16	—	36	TBOX CAN-L
17	TBOX CAN-H	37	—
18	—	38	IG
19	Airbag input signal	39	—
20	B+	40	GND



Intelligent antenna (T-BOX) ethernet			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	3	ETH-P
2	ETH-N	—	—

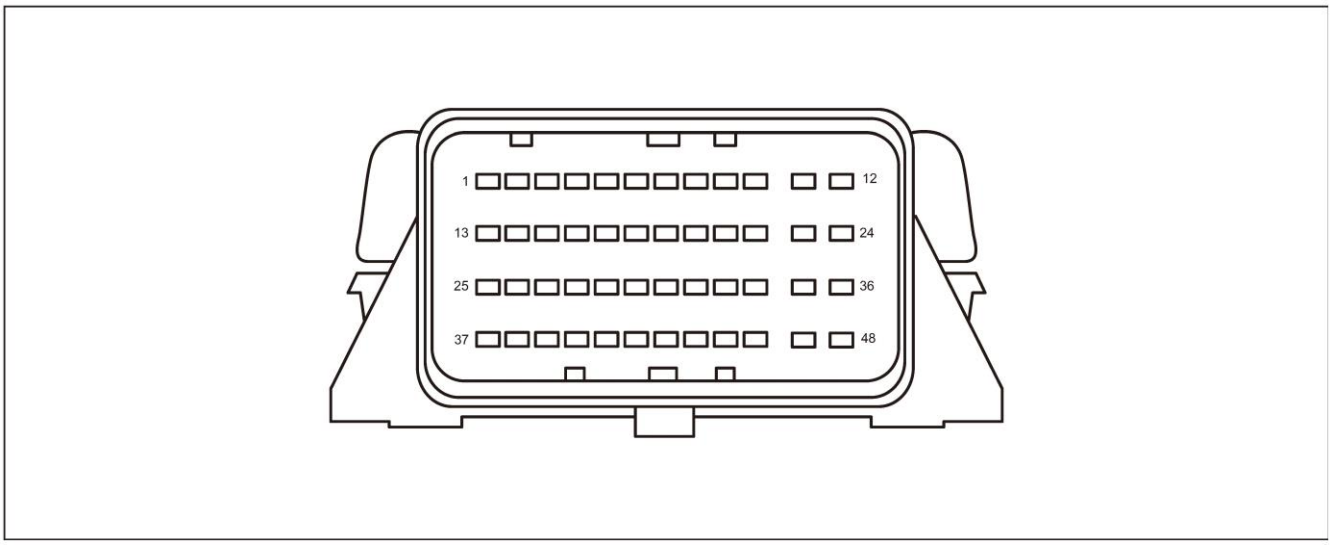
Definition of terminal M

Fine dust mirror



Fine dust mirror			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	6	—
2	—	7	—
3	Reversing signal	8	—
4	GND	9	—
5	IG	10	—

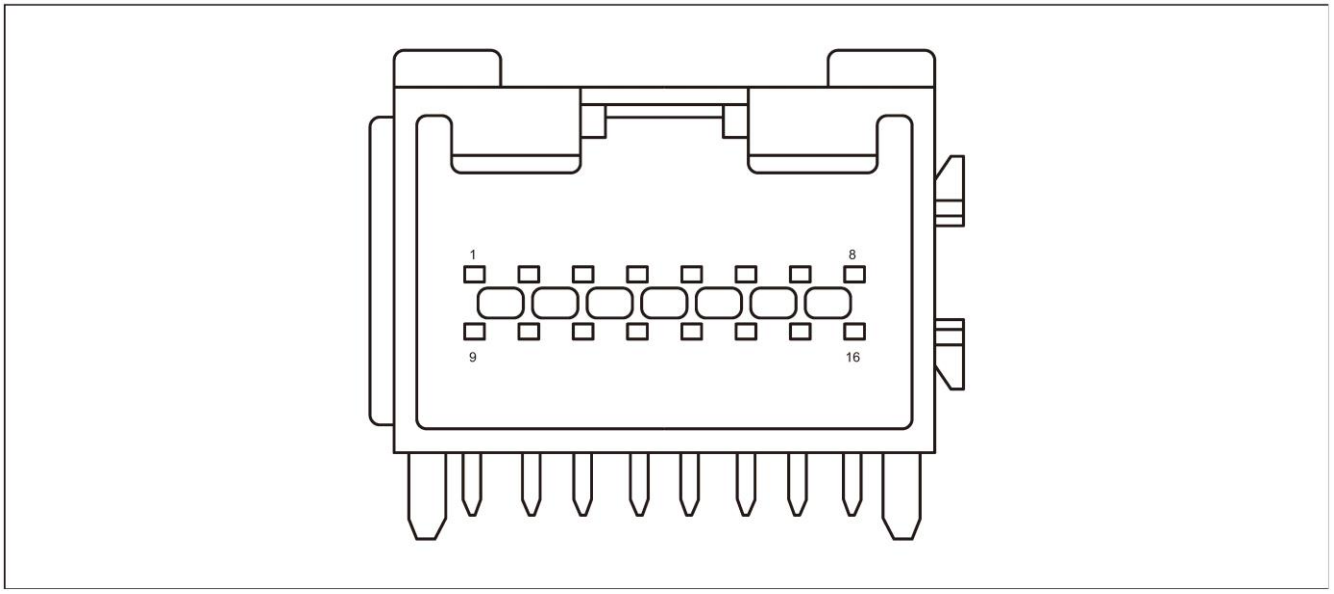
Intelligent driving system



Intelligent driving system			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	—	25	—
2	—	26	—
3	—	27	—
4	Front detection CAN2-L	28	Walk-around inspection CAN3 low
5	Front detection CAN2-H	29	Walk-around inspection CAN3 high
6	Driver assistance CAN5-L	30	—
7	—	31	—
8	—	32	—
9	—	33	—
10	—	34	—
11	Power ground	35	—
12	Normal power (KL30)	36	Power ground
13	—	37	—
14	—	38	—
15	—	39	—
16	—	40	—
17	—	41	—
18	Driver assistance CAN5-H	42	—
19	—	43	—
20	—	44	—
21	—	45	—
22	—	46	—
23	—	47	Ignition switch (KL15)
24	Normal power (KL30)	48	Power ground

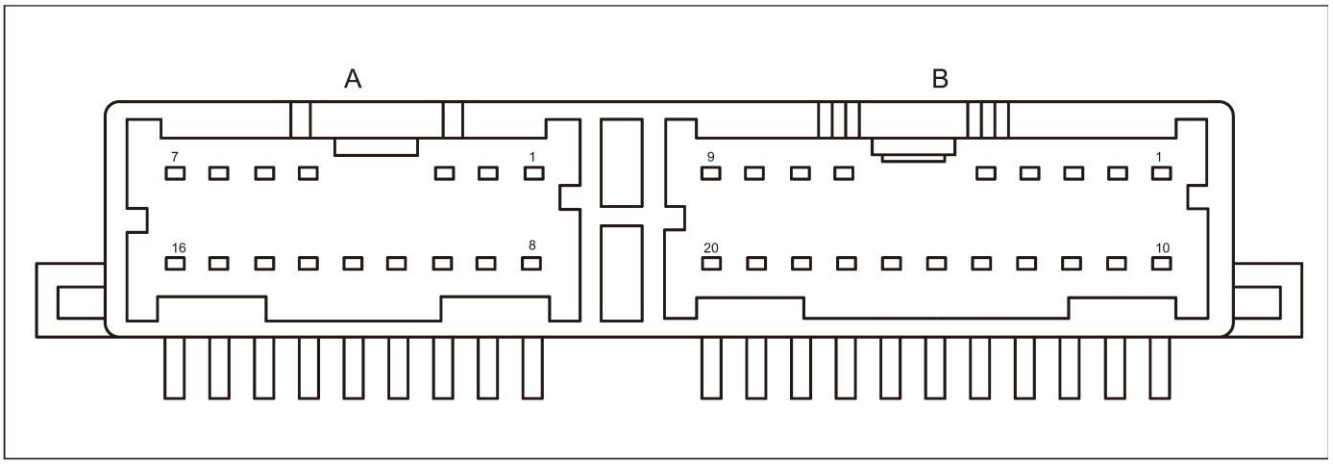
Definition of terminal M

PA system control unit



PA system control unit			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	BAT+	9	BAT+
2	GND_B	10	GND_B
3	IGN	11	CAN1_L (private CAN)
4	—	12	CAN1_H (private CAN)
5	—	13	CAN0_L(ADAS CAN)
6	GND (signal ground)	14	CAN0_H(ADAS CAN)
7	EARTHNET_D	15	—
8	EARTHNET_D+	16	—

Parking distance control

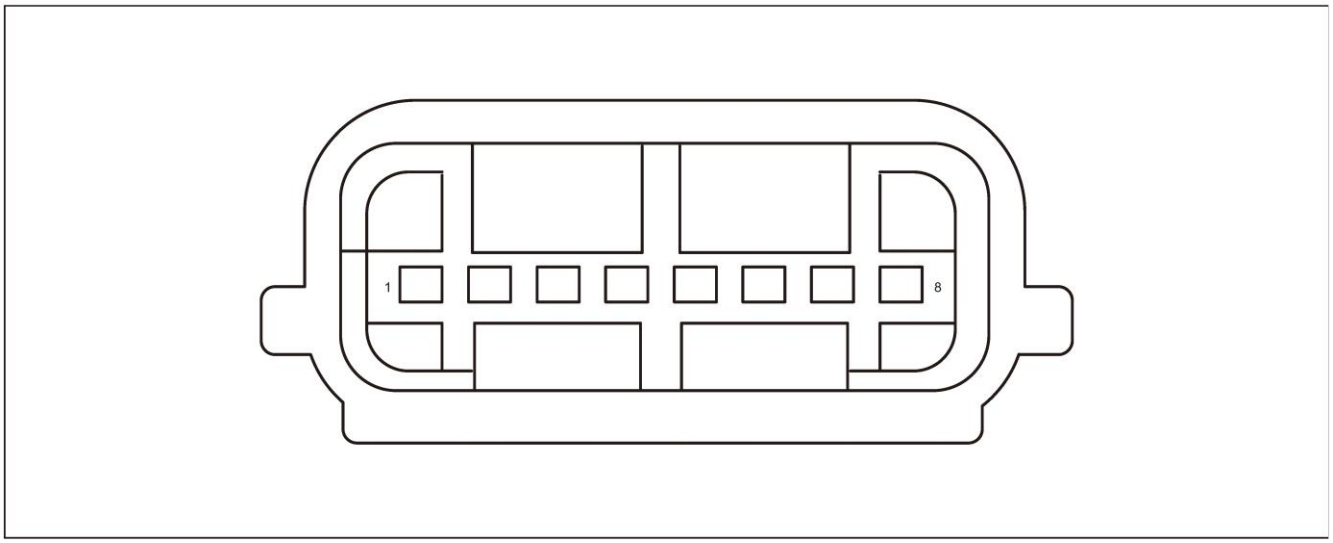


Parking distance control (PDC) - A			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	System power supply	9	—
2	Rear sensor power supply	10	—
3	—	11	—
4	—	12	—
5	Right rear corner sensor signal	13	CAN-L (mule car ADAS CAN)
6	RMR sensor signal	14	CAN-H (mule car ADAS CAN)
7	RML sensor signal	15	Rear sensor GND
8	System GND	16	Rear left corner sensor signal

Parking distance control (PDC) - B			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	Front sensor GND	11	—
2	Left front corner sensor signal	12	Side sensor GND
3	FML sensor signal	13	Side sensor power supply
4	FMR sensor signal	14	—
5	Right front corner sensor signal	15	—
6	FL sensor signal	16	—
7	FR sensor signal	17	—
8	RL sensor signal	18	—
9	—	19	—
10	Front sensor power supply	20	RR sensor signal

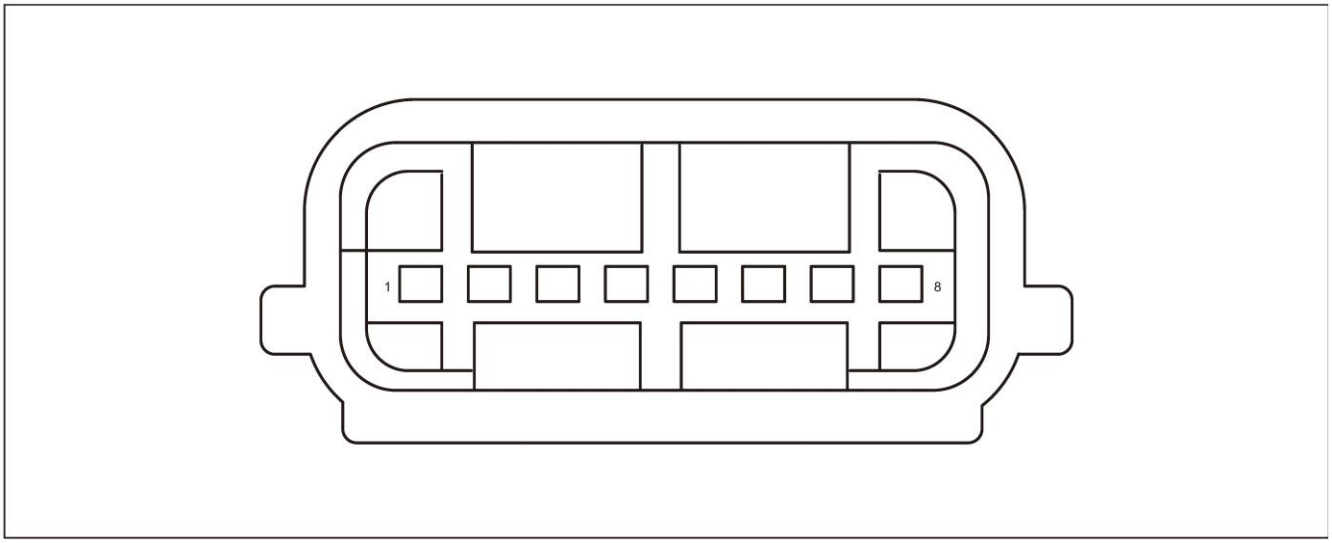
Definition of terminal M

Forward millimeter wave radar



Forward millimeter wave radar			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	GND	5	ADAS_CAN_L
2	—	6	ADAS_CAN_H
3	—	7	HAD2_CAN_L
4	IG	8	HAD2_CAN_H

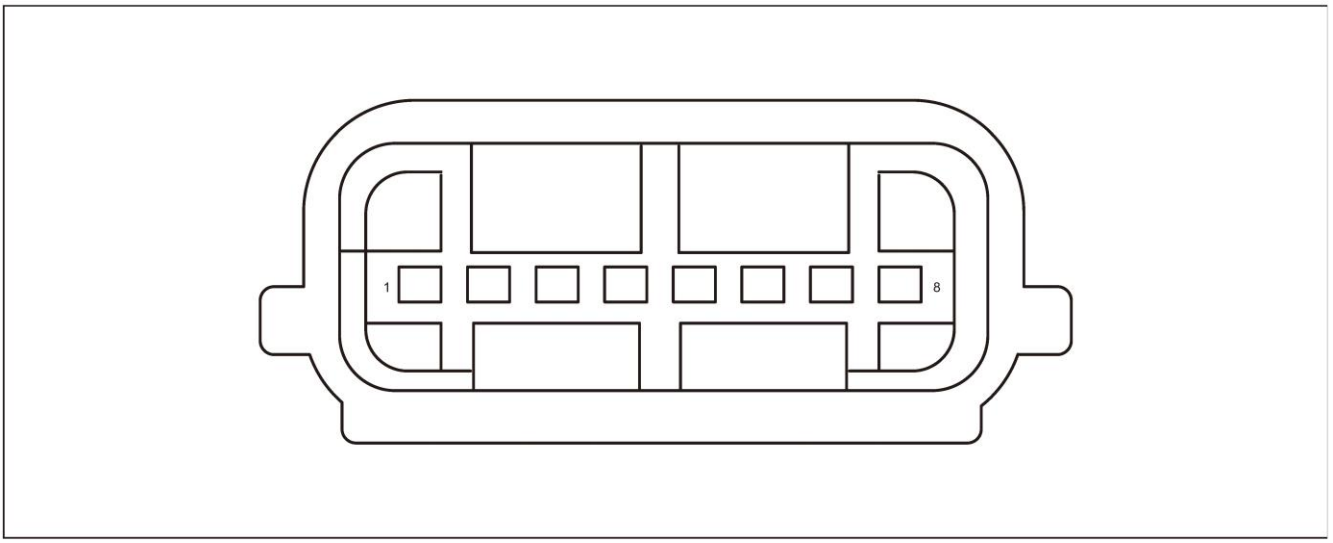
Left rear millimeter wave radar



Left rear millimeter wave radar			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	GND	5	HAD3_CAN_L
2	—	6	HAD3_CAN_H
3	—	7	—
4	Normal power	8	—

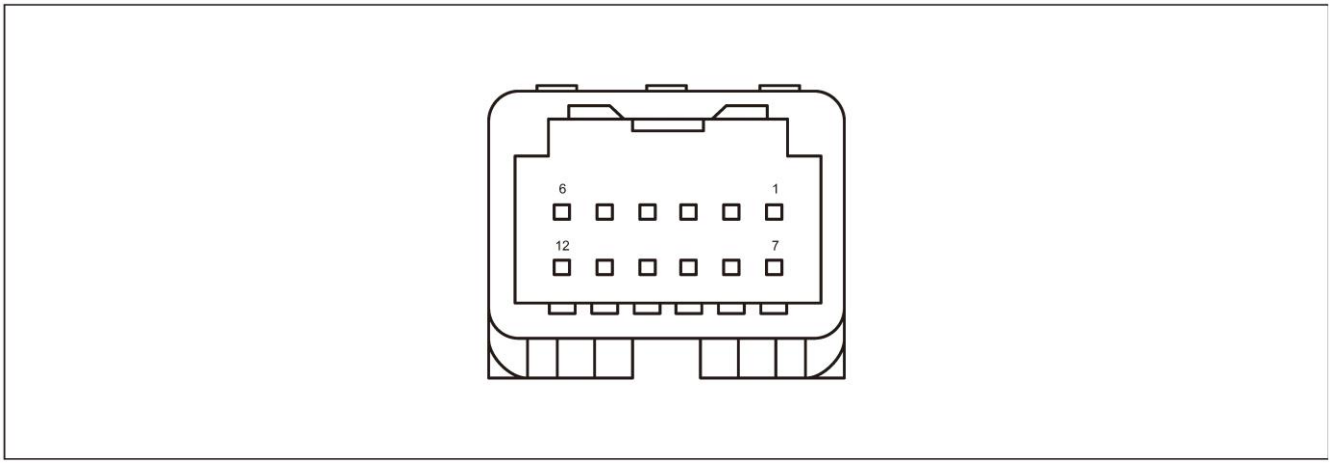
Definition of terminal M

Right rear millimeter wave radar



Right rear millimeter wave radar			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	GND	5	HAD3_CAN_L
2	GND	6	HAD3_CAN_H
3	—	7	—
4	Normal power	8	—

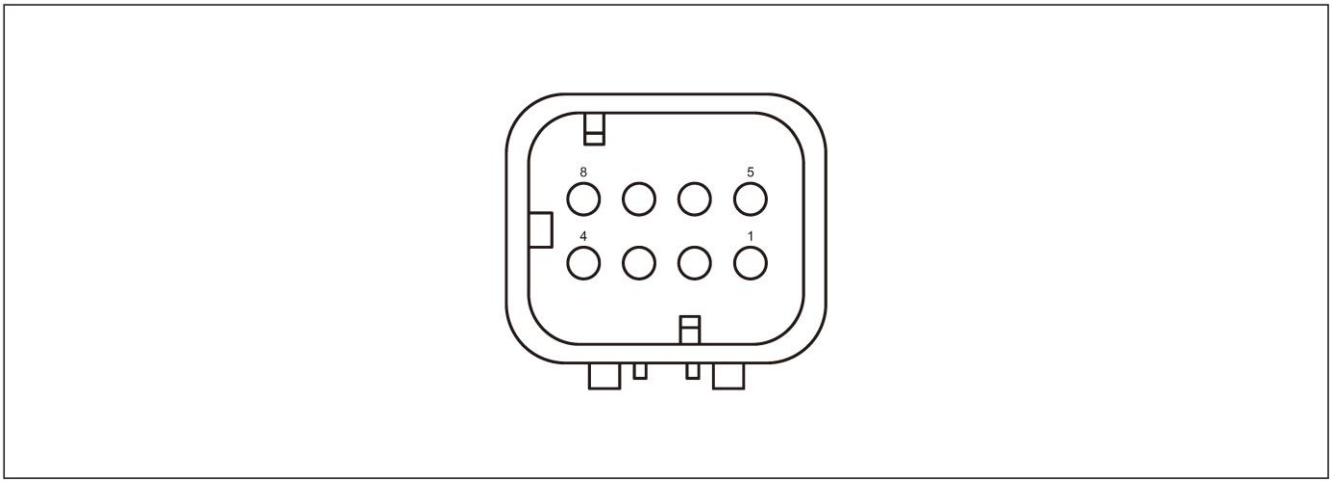
Smart front camera



Smart front camera			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	IG1	7	B+
2	—	8	(Target information) private CAN_L
3	(Target information) private CAN_H	9	—
4	GND	10	—
5	(Front radar) private CAN_H	11	(Front radar) private CAN_L
6	Driver assistance CAN_H	12	Driver assistance CAN_L

Definition of terminal M

Pedestrian warning controller



Pedestrian warning controller			
Pin No.	**Definition**	**Pin No.**	**Definition**
1	IG power supply	5	—
2	GND	6	—
3	PT_CAN_H	7	—
4	PT_CAN_L	8	—