B8 DM-o 2025 RHD 2.0T Circuit Atlas

BYD Circuit Atlas (wiring diagram) — PDF edition

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Contents

Overview
- Description of diagram
- Abbreviations
- Common Electrical Symbols
- Common Connector Disconnection Methods
- Common Clamping Structure of Connectors
- Circuit Detection

Distribution and description of fuse box
- **Front compartment fuse box**
  - Front compartment fuse box
  - Suspension relay box
  - Oil pump relay box
  - 48V fuse box
- **Instrument panel fuse box**
  - Instrument panel fuse box
- **Floor fuse box**
  - 12 V battery positive fuse box 1
  - 12 V battery positive fuse box 2
- **Rear compartment fuse box**
  - Rear compartment fuse box

Circuit diagram of power supply
- Circuit diagram 1 of front compartment fuse box power supply
- Circuit diagram of front compartment fuse box power supply 2
- 48V fuse box power circuit diagram
- Circuit diagram of instrument panel fuse box power supply
- Circuit diagram of rear compartment fuse box power supply

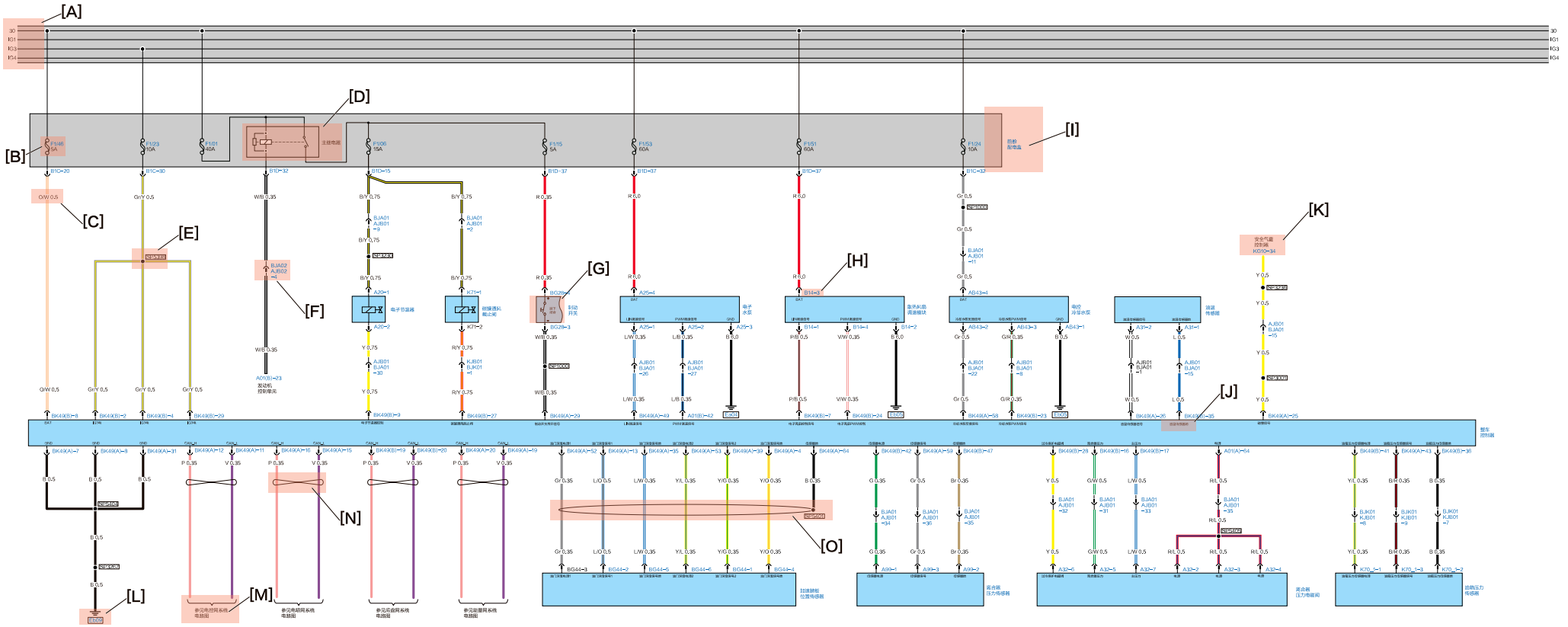
Circuit diagram of GND points
- Circuit diagram of engine wiring harness GND point
- Circuit diagram of front compartment wiring harness GND points
- Circuit diagram of instrument panel wiring harness GND points
- Circuit diagram of floor wiring harness GND point
- Circuit diagram of trunk lid and headliner wiring harness GND points

Layout of wiring harnesses
- Layout of front bumper wiring harness
- Layout of engine wiring harness
- Layout of front compartment wiring harness
- Layout of instrument panel wiring harnesses
- Layout of floor wiring harness
- Layout of rear powertrain wiring harness
- Layout of front left door wiring harness
- Layout of front right door wiring harness
- Layout of rear left door wiring harness
- Layout of rear right door wiring harness
- Layout of headliner wiring harness
- Layout of trunk lid wiring harness
- Layout of rear bumper wiring harness

System circuit diagram
- **Networking and communication**
  - Bus topology diagram
  - Circuit diagram of OBD DLC system
  - Circuit diagram of body network system
  - Circuit diagram of chassis network system
  - Vehicle Control Network System Circuit Diagram
  - Electronic fuel injection network system circuit diagram
  - MCU subnet system circuit diagram
  - Circuit diagram of energy network system
  - Circuit diagram of smart access network system
  - Central Gateway System Circuit Diagram
- **Engine**
  - Circuit diagram of engine system
  - Circuit Diagram of Fuel Pump System
- **High-voltage battery**
  - Circuit diagram of battery management system
- **High-voltage drive system**
  - Vehicle control system circuit diagram
  - Circuit diagram of dual MCU assembly
  - Circuit diagram of rear drive MCU system
- **Gearshift control**
  - Circuit diagram of gearshift motor control system
  - Gearshift control mechanism and panel system circuit diagram

Differential lock controller system circuit diagram
Suspension system
Vehicle motion controller system circuit diagram
Steering system
Electric steering column system circuit diagram
EPS circuit diagram
Brake system
Circuit diagram of IPB system
Circuit diagram of EPB system
Driver assistance
Driver assistance system circuit diagram
Circuit diagram of parking assist system
Front Windshield Camera Heating System Circuit Diagram
Steering wheel heater circuit diagram
Wading Height Sensor System Circuit Diagram
Authorization and immobilizer
Circuit diagram of UWB smart key system
Door lock
Flush door handle system circuit diagram
Circuit diagram of door lock motor, hood lock and charging port cap lock system
Circuit diagram of the electronic handle switch system
Power trunk lid lock system circuit diagram
Window regulator system
Circuit diagram of window regulator system
Sunroof and sunshade
Electrical circuit diagram of sunroof and sunshade system
Interior lighting system
Circuit diagram of interior light system
Circuit diagram of the multicolor ambient light system
Exterior lighting system
Headlight cluster and outside rearview mirror turn signal system circuit diagram
Circuit diagram of rear combination lamp, high-mount stop light, and fog lamp system
Circuit diagram of exterior rearview mirror puddle light
Instrument panel cluster and warning
Circuit diagram of instrument panel cluster system
Circuit Diagram of HUD System
Circuit diagram of horn system
Child presence detection system circuit diagram
Multimedia system
Central control touchscreen control unit system circuit diagram
T-BOX control unit system circuit diagram
Power amplifier module system circuit diagram
Backdoor Custom Switch Circuit Diagram
A/C system
Circuit diagram of A/C system
Refrigerator system
On-board refrigerator system circuit diagram
Airbag and seat belt system
Circuit diagram of SRS
Electric Pre-tensioning Seatbelt System Circuit Diagram
Circuit diagram with buckles arrangement for middle row seat and rear seat (6 seats)
Diagram of Middle and Rear Seats Arrangement with Buckle Circuit (7-seater)
Wiping and washing
Circuit diagram of wiper and washer system
Low-voltage power supply and distribution
Circuit diagram of USB charging and backup power supply system
Circuit diagram of wireless phone charging system
On-board power supply system circuit diagram
Circuit diagram of 48V on-board power supply assembly system
Rearview mirror
Anti-glare Rearview Mirror System Circuit Diagram
Circuit diagram of exterior rearview mirror electric adjustment system
Circuit diagram of exterior rearview mirror and rear windshield heating system
Circuit diagram of streaming media interior rearview mirror system
Seat System
Circuit diagram of driver's seat system
Front passenger's seat system circuit diagram
Circuit diagram of middle-row right seat system (6-seat)
Circuit diagram of middle-row right seat system (7-seat)
Circuit diagram for middle-row left seat system (6-seat)
Circuit diagram of middle-row left seat system (7-seat)
Rear seat circuit diagram
Circuit diagram of trunk seat adjustment switch
Trailer hitch
Trailer hitch power supply system circuit diagram (12pin)
Trailer hitch power supply system circuit diagram (13pin)

Description of diagram



Description of system circuit diagram

[A] Identification of power supply system

It is used to indicate the position of ignition key when the fuse is supplied with power. The line code "30" indicates the main live wire, which is generally provided by front compartment fuse box or instrument panel fuse box (refer to the power circuit diagram for details). IG1, IG3 and IG4 are live wires when the Start/Stop switch is in ON or START position (refer to power circuit diagram for details);

[B] Fuse

It indicates the name and current of fuse;

[C] Wire color and diameter

[D] Relay

【E】Articulation point

It indicates that two or more wires are hinged together, and the code indicates the hinge point.

[F] Butt plug

[G] Component symbol

Internal schematic of the component. For details, refer to the circuit diagram symbols description.

[H] Terminal code and pin

[I] Fuse box

[J] Terminal definition

[K] Go to the next end

[L] GND point

【M】Jump to another system circuit diagram

[N] Twisted pair

[O] Shielded wire

Abbreviations

Abbreviations	Description	Abbreviations	Description
A	Ampere	ESP	Electronic stability program
ABS	Anti-lock brake system	JB	Junction box
ACC	Forward collision warning device	LED	Light-emitting diode
BCM	BCM	LIN	Local interconnect network
BMS	Battery management system	MIL	MIL
BSD	Blind spot detection	MPC	Multi-purpose camera
CAN	Controller area network	NC	Normally closed
CHMSL	High-mount stop light	NO	Normally open
DLC	DLC	OBC	On-board charger
ECM	Engine control module	OBD	On-board diagnostics
EPB	EPB controller	OFF	OFF
EPS	EPS controller	PDC	Power distribution center
ESP	Electronic stability program	RL	Rear left
ETC	Electronic throttle control	RR	Rear right
FL	Front left	SRS	Supplemental restraint system
FM	Frequency modulation	SW	Switch
FR	Front right	TCM	Transmission Control Module
FUSE	Fuse	TEMP	Temperature
FWD	Front wheel drive	V	Volt

GND	GND	VIN	Vehicle identification number
GPS	Global positioning system	W	Watt

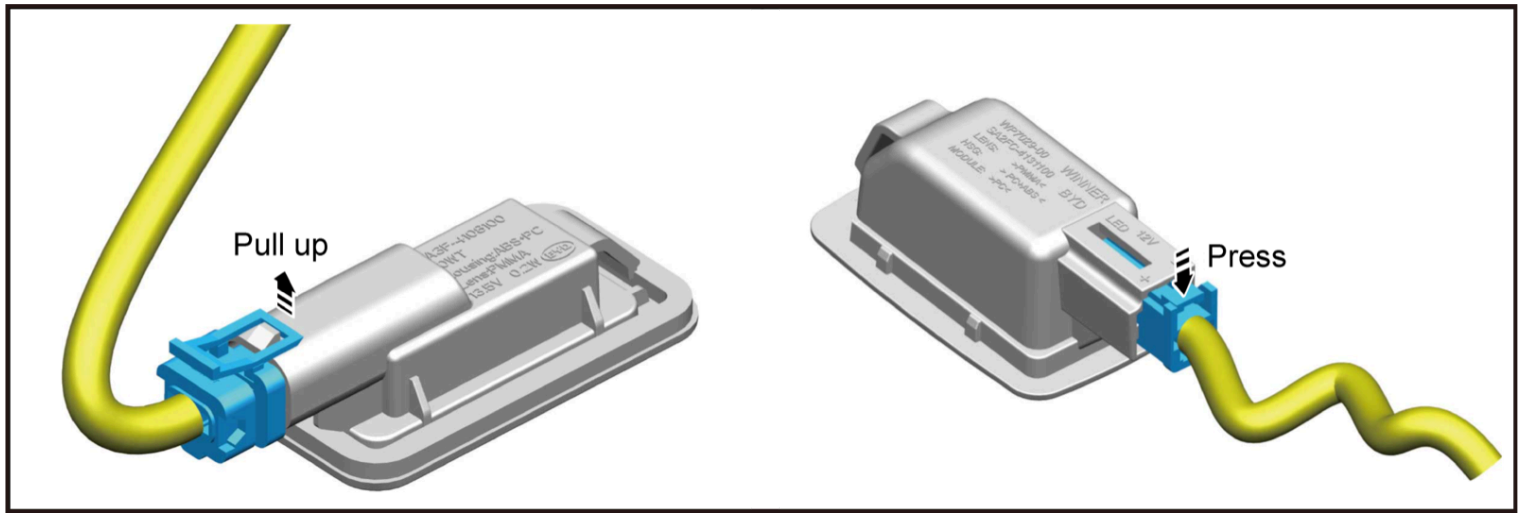
Common Electrical Symbols

S/N	Name	Graphical symbols	Function description
1	12 V battery		Store chemical energy and convert it into electrical energy. It provides DC for various circuits of the vehicle.
2	Fuse		It is a kind of metal sheet, and will be blown when excessive current passes through it, and can block the current to prevent damage to the circuit. It is a thick wire located in a large-current circuit, and will be blown if the current is too large, thus protecting the circuit. The number indicates the cross-sectional area of the wire.
3	relay		It is an electronic control device composed of a control system and a controlled system, and is usually used in automatic control circuits. It is an "automatic switch" that uses a small current to control a large current.
4	Solenoid valve		Using electrical energy to flow through the coil generates electromagnetic attraction to draw the valve core (overcoming spring or self-weight). Divided into Normally open and Normally closed categories, usually used for cutting off The flow of substances such as oil, water, and gas. Cooperate with pressure and temperature sensors and other electrical equipment to achieve automatic control
5	Motor		Convert electrical energy into kinetic energy.
6	Electric horn		It is an electronic device that emits high-frequency audio signals.
7	Capacitor		A small storage unit for temporarily storing voltage.
8	Diode		It is a semiconductor which only allows one-way flow of current.
9	Photodiode		A photodiode is a semiconductor that controls the current according to the light intensity.
10	Heating element		It converts electric energy into heat energy.
11	Switch		It is used to control the connection/disconnection of circuits and is usually divided into two types: normally open and normally closed.
12	Halogen bulb		The current makes the filament heat up and glow.
13	Speaker		It is an electromechanical device that uses current to generate sound waves.

Common Connector Disconnection Methods

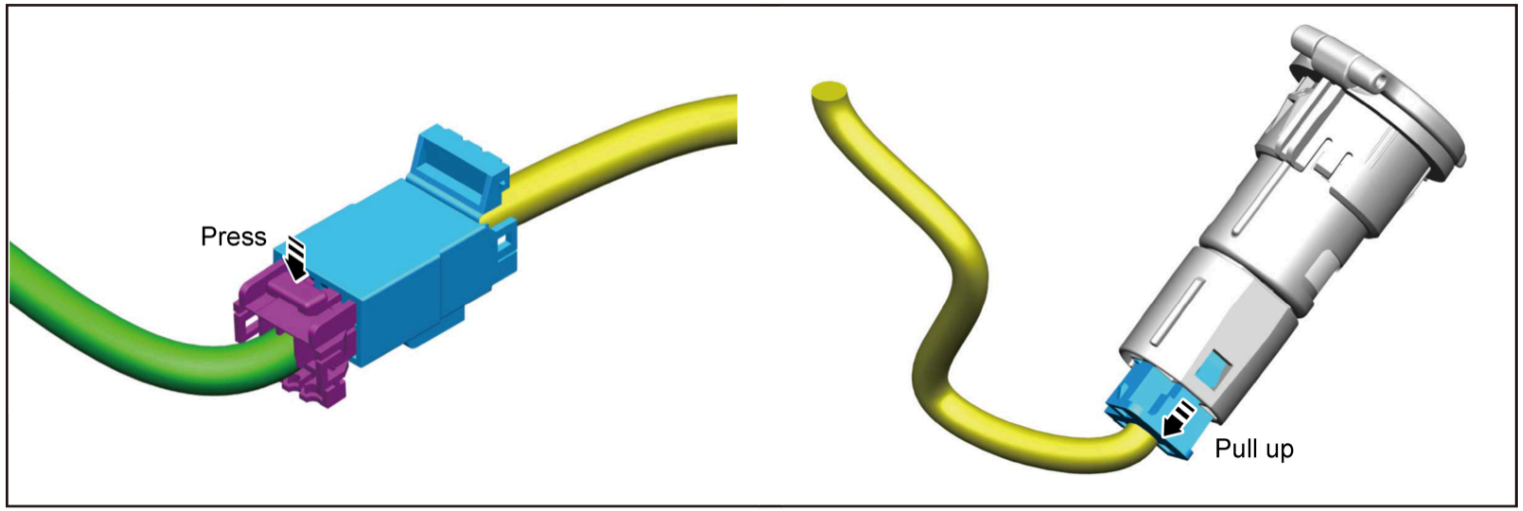
The types of wiring harness connectors commonly used for automobiles include locking-piece, slider-lock and rod-lock types. The removal and installation methods for these three types are described below.

1. Locking-piece type connector: The snap-fit joint can prevent the joint from accidentally loosening or disconnecting. The snap-fit joint can be disconnected by pressing or lifting the locking tab, as shown in the figure.



> **Reminder**
> When disconnecting the plug, do not pull on the wiring harness or wires to prevent damage to the components

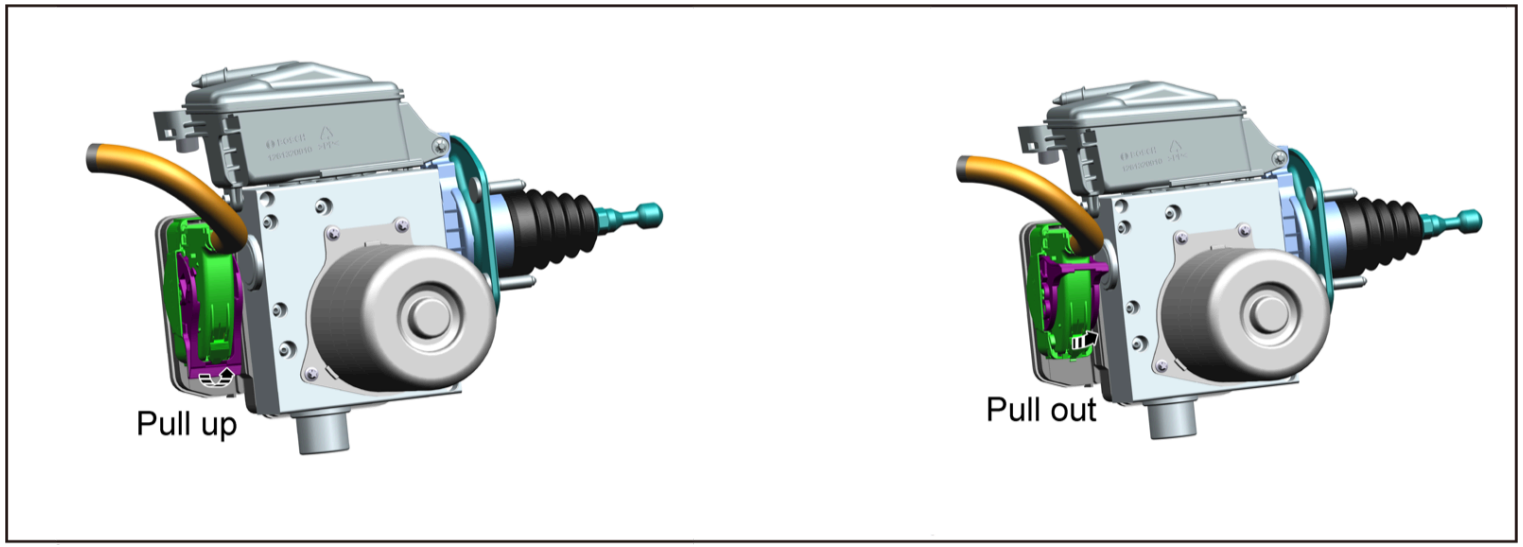
2. Slider-lock type connector: It can prevent incomplete locking, accidental loosening or disconnection. They are used in some systems and components (especially those related to OBD), and can be disconnected by pressing or pulling out the slider, as shown in the figure.



Reminder

When disconnecting connectors, do not pull on the wiring harness or wires to prevent part damage, and avoid damaging the connector brackets to prevent component failure.

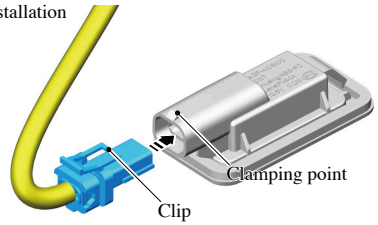
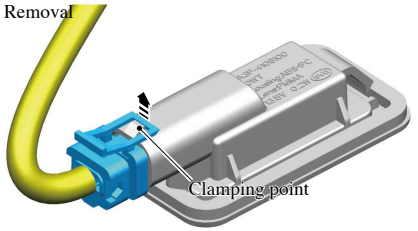
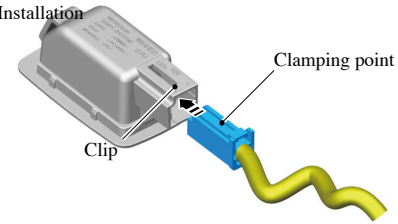
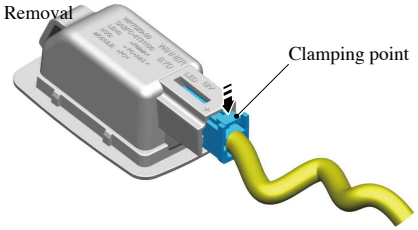
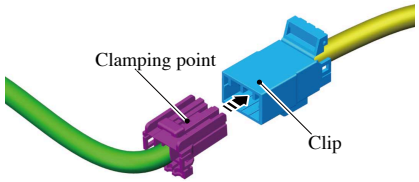
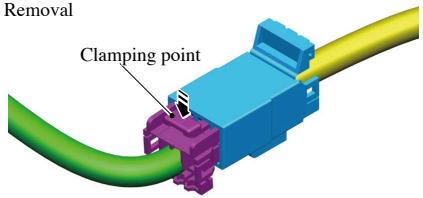
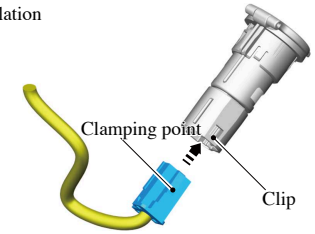
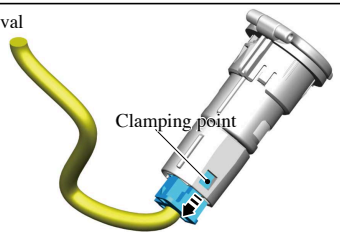
3. Rod-lock type connector: Some control units and control modules, as well as super multi-connector joints, utilize lever-lock wiring harness connectors. For connection, it must be confirmed that the rod is completely locked in place by moving the rod to the stop position to ensure secure connection, as shown in the figure.



Reminder

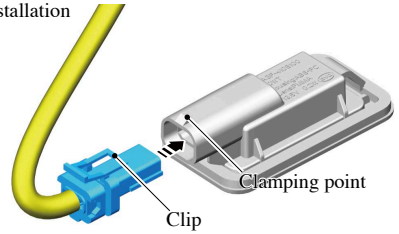
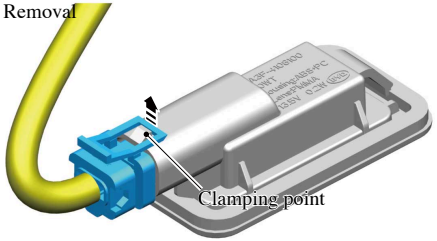
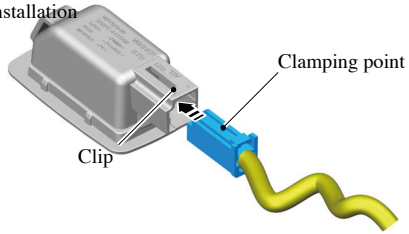
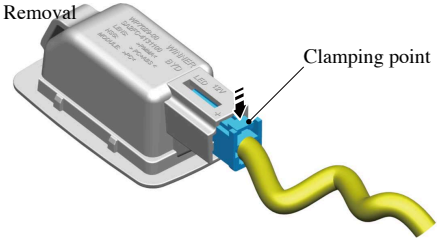
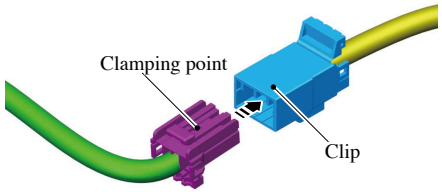
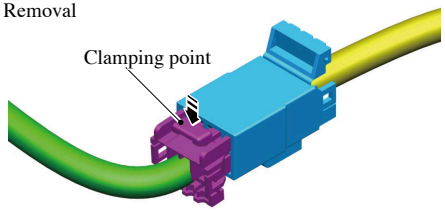
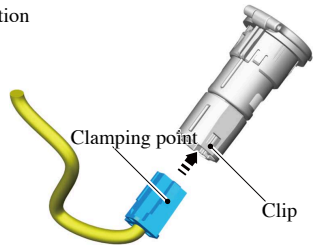
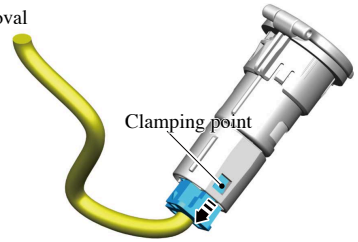
> Before disconnecting or connecting these connectors, always ensure the lever is fully released (unlatched) to avoid damaging the connector housing or terminals.

Common Clamping Structure of Connectors

(1)	Installation  	Removal 
(2)	Installation  	Removal 
(3)	Installation  	Removal 
4	Installation  	Removal 

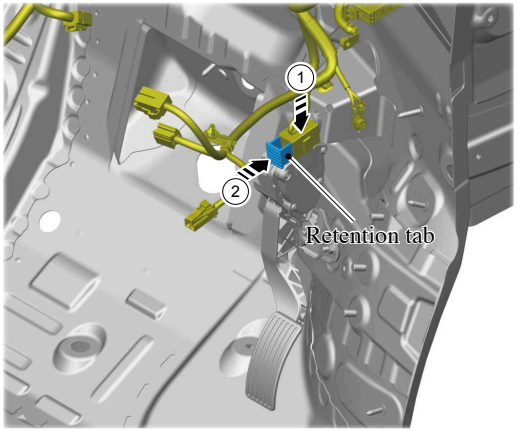
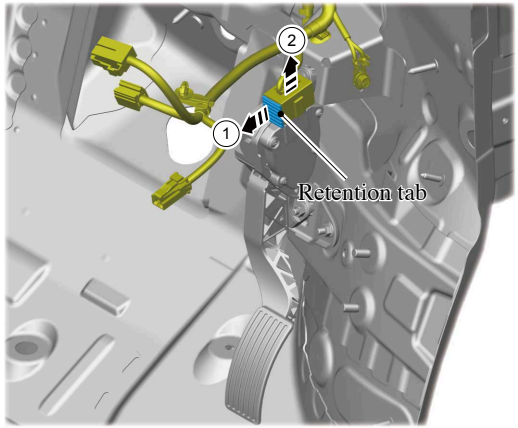
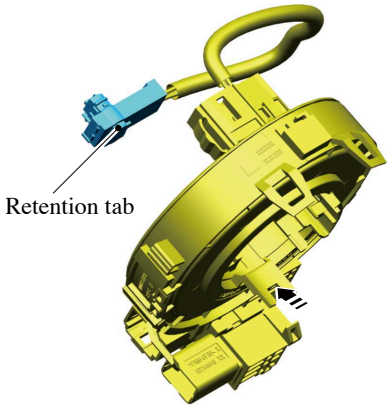
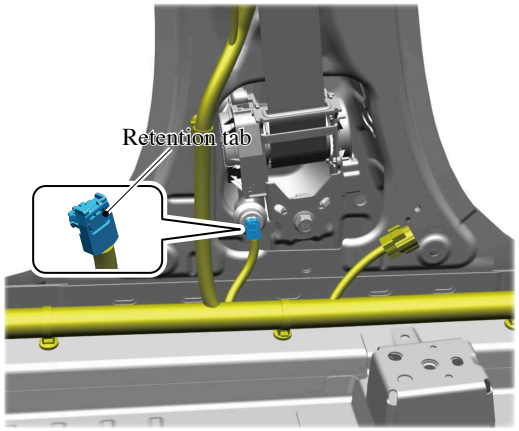
General clamping structure

- Among the connectors shown below, the most common clamping type consists of a male plug and a female socket locked by clamping points and clips. During assembly, align the connector, plug it slowly, and then clamp it firmly in place. Generally, there will be a "click" sound when the clamping point bounces up (If there is no "click" sound, during disassembly, press the clamping point to release it from the clip, and then pull out the connector).

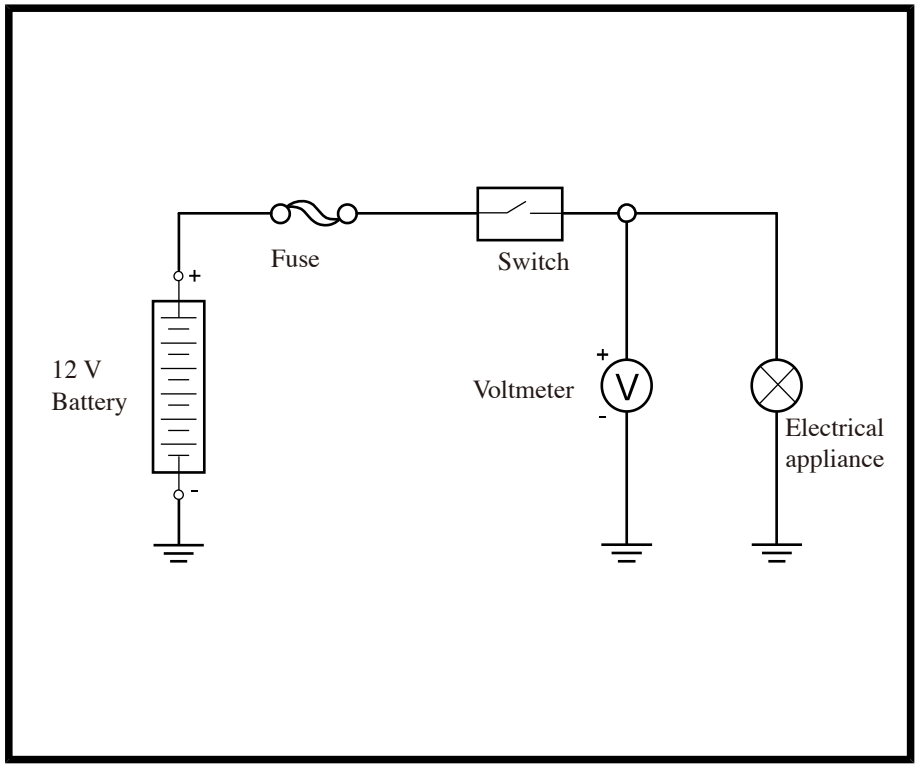
(1)	Installation  	Removal 
(2)	Installation  	Removal 
(3)	Installation  	Removal 
4	Installation  	Removal 

Connector with retention tab

- As shown in the figure, the following connector features a retention tab. During assembly, withdraw the retention tab, insert the connector in place and then push the retention tab. During disassembly, withdraw the retention tab first, and then pull out the connector.

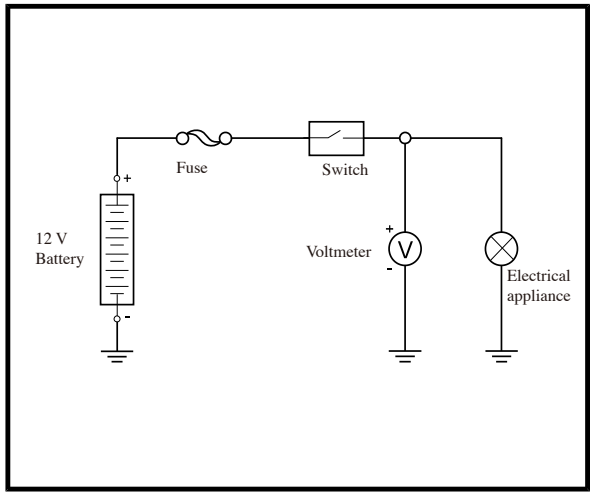
(1)	Installation 	Removal 
(2)	Example of seat belt connector 	Example of Airbag Connector 

Circuit Detection



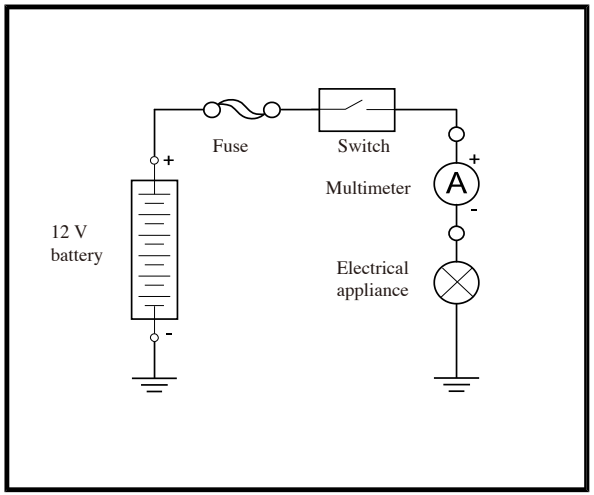
Voltage measurement

- Connect the red probe of multimeter or voltmeter to the voltage/ohm measurement jack, and the black probe to the circuit jack;
- Set the function selector switch of the multimeter or voltmeter to the DC voltage range;
- Connect the test probe (the polarities of the test probes can be exchanged);
- Read the voltage value on multimeter or voltmeter display.



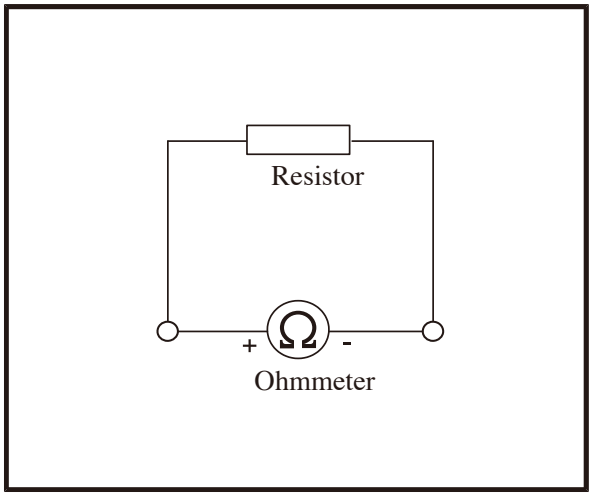
Current measurement

- Select the current measurement jack for the red probe of the multimeter or ammeter, and the circuit jack for the black probe
- Set the function selector switch of multimeter or ammeter to current measurement position;
- Connect the multimeter or ammeter in series to the circuit to be measured (with the red positive probe to the high-potential side of the circuit and the black negative probe to the low-potential side);
- Read the current value on the multimeter.



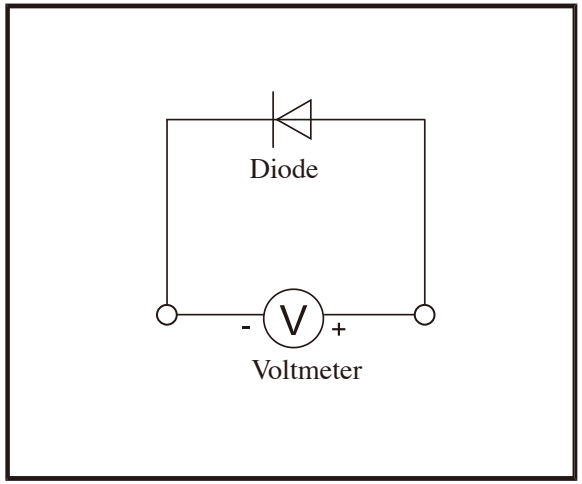
Resistance measurement

- Connect the red probe of multimeter or ohmmeter to the current/ohm measurement jack, and the black probe to the circuit jack.
- Set the function selector switch of multimeter or ohmmeter to Ohm position;
- Connect the probes of multimeter or ohmmeter to the resistor or coil to be measured and measure its resistance (ensure that the resistor or coil is de-energized during measurement).



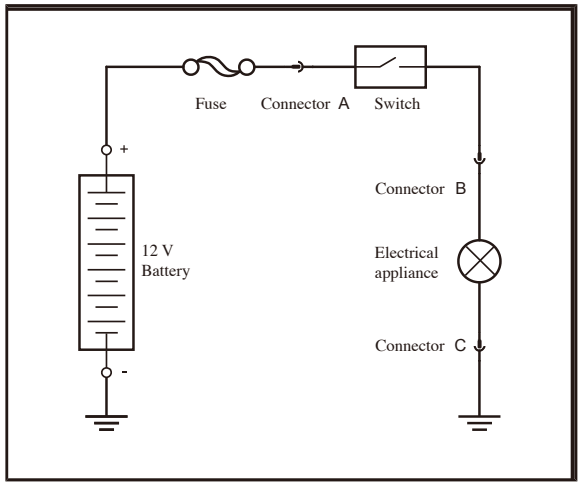
Diode measurement

- Connect the red probe of multimeter or ohmmeter to the voltage measurement jack, and the black probe to the circuit jack;
- Set the function selector switch of multimeter or ohmmeter to diode test position;
- Check the conduction status on both sides of the diode. If the diode is conductive in one direction and not conductive after the probes are exchanged, it indicates that the diode is in good condition;
- If the diode is conductive in both directions, the diode is broken down. If the diode is not conductive in either direction, it indicates that the diode is open-circuited.



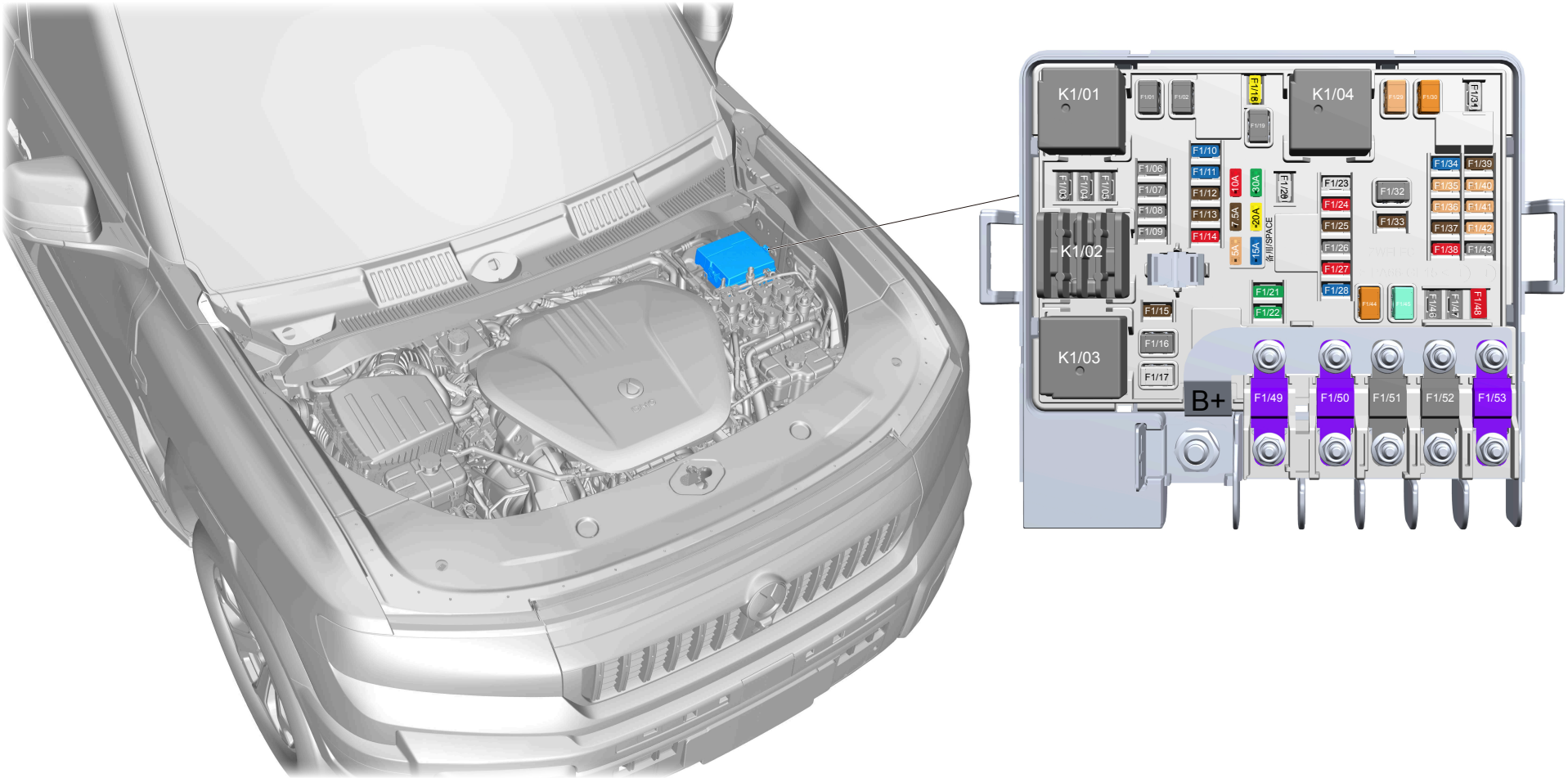
Circuit troubleshooting method

- Troubleshooting with a test light
  - As shown in the circuit diagram, ground one end of the test light and test both ends of the fuse respectively with the other end. If the test light illuminates, it indicates that the fuse is fault free;
  - At connector A, establish a circuit between the test light and 12 V battery. If the test light illuminates, it indicates that there is no fault at connector A;
  - At connector B, establish a circuit between the test light and 12 V battery. Turn on the circuit switch in the diagram. If the test light illuminates, it indicates that there is no fault at connector A and the switch;
  - At connector C, establish a circuit between the test light and 12 V battery. Turn on the circuit switch in the diagram. If the test light works with electrical appliances, it indicates that there is no fault at connector C and electrical appliances;
  - Check the GND in circuits.



- Troubleshooting with a multimeter
  - Set the function selector switch of the multimeter to continuity test position;
  - Ground the black probe of the multimeter;
  - Similar to troubleshooting with fault indicator, measure the voltage with the red probe of the multimeter at each connection in the circuit;
  - Determine the fault location according to whether the multimeter displays voltage.

Front compartment fuse box



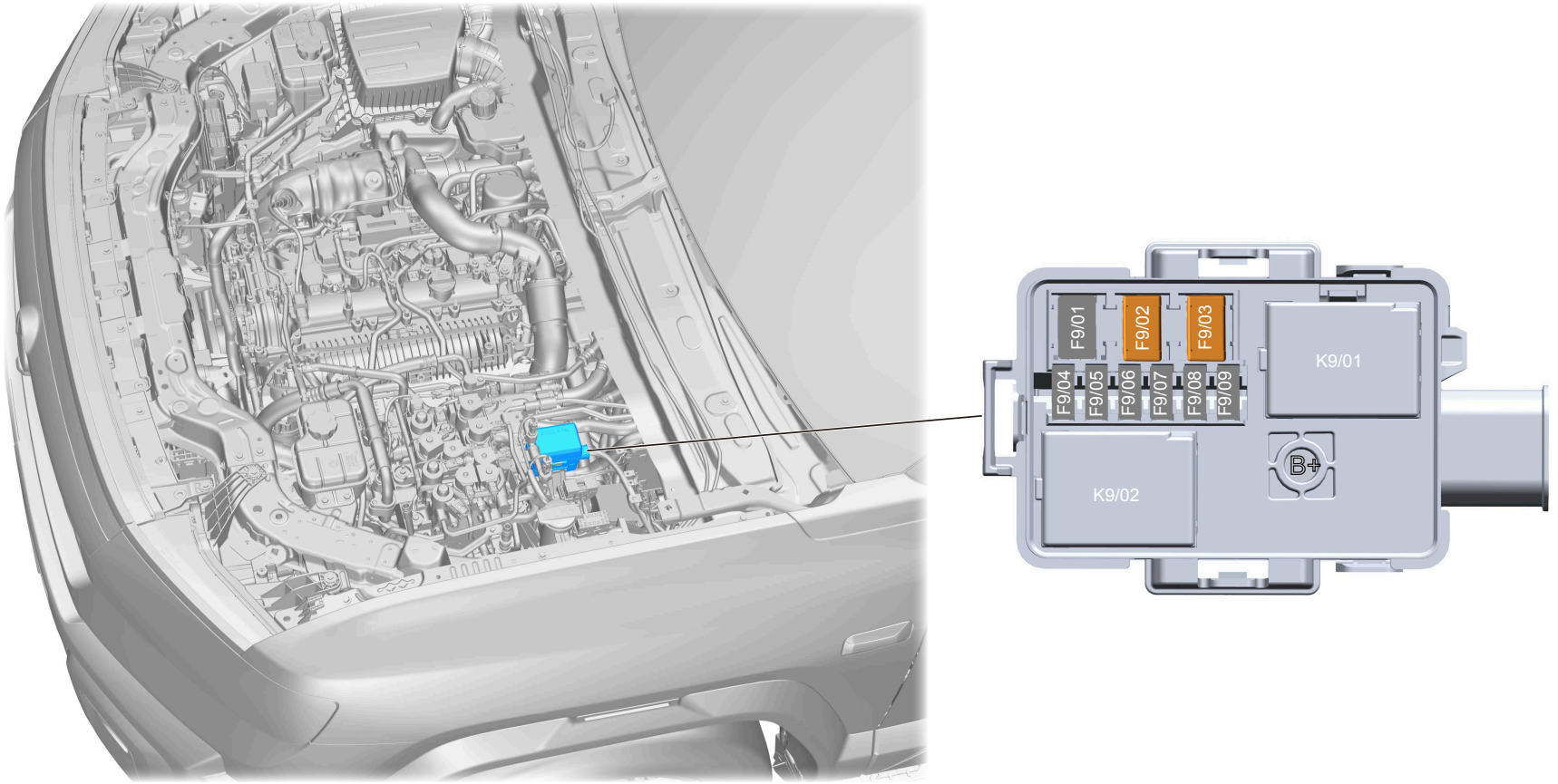
Fuse coding	Rating	Function/Component	Remarks
F1/01	60A	Electronic fuel injection main relay	
F1/02	-	-	—

F1/03	15A	Two-stage variable displacement oil pump, compressor recirculation valve, carbon canister control valve and electronic thermostat, EVVT	
F1/04	30A	Engine control unit	
F1/05	20A	Ignition coil, filter capacitor	
F1/06	-	-	—
F1/07	15A	Front heated oxygen sensor 1, rear heated oxygen sensor 1, OCV solenoid valve, fuel evaporative leak diagnosis module, Fuel tank isolation valve	
F1/08	-	-	—
F1/09	5A	-	—
F1/10	15A	Left headlight cluster	
F1/11	15A	Right headlight cluster	
F1/12	7.5A	Five-way coolant valve, electric compressor, left domain control unit, front PTC, rear high-voltage PTC, gearshift motor controller	
F1/13	7.5A	Dual MCU	
F1/14	10A	Heater coolant pump	
F1/15	7.5A	Right rearview mirror (NFC module), fuel pump relay box, front left UWB anchor, front right UWB anchor, front left mmWave radar, front right mmWave radar	
F1/16	-	-	—
F1/17	25A	MCU coolant pump 2 relay	
F1/18	20A	ACC relay 3 power supply	
F1/19	-	-	—

F1/20	25A	ACC relay 4	
F1/21	30A	Wiper system relay	
F1/22	30A	Rear defroster relay	
F1/23	25A	Low-temperature coolant pump	
F1/24	10A	CCS communication conversion module, VCU, low-voltage service disconnect (female terminal), low-temperature coolant pump	
F1/25	7.5A	48V on-board power supply assembly, high-voltage power distribution box, left domain control unit, 1500W electronic fan	
F1/26	-	-	—
F1/27	10A	USB module power supply	
F1/28	15A	USB connector, driver's seat assembly, middle left seat, rear USB connector, middle right seat, front passenger's seat assembly	
F1/29	5A	Engine electronic coolant pump	
F1/30	60A	IPB system controller	
F1/31	25A	ACC relay 2	
F1/32	-	-	—
F1/33	7.5A	High-voltage battery pack	
F1/34	15A	Steering wheel heating	SWHT
F1/35	5A	Rear domain control unit	
F1/36	5A	T-BOX, DAB antenna box	
F1/37	7.5A	Anion generator, streaming media rearview mirror	SMERM

F1/38	10A	Airbag controller	
F1/39	7.5A	Front mmWave radar, multi-purpose camera (MPC)	
F1/40	5A	Vehicle motion controller, differential lock controller	
F1/41	5A	EPS controller	
F1/42	5A	IPB system controller	
F1/43	7.5A	Engine control unit	
F1/44	60A	IPB system controller	
F1/45	40A	Front blower	
F1/46	-	-	—
F1/47	-	-	—
F1/48	10A	Rear wiper relay	
F1/49	125A	EPS controller	
F1/50	100A	Oil pump relay box	
F1/51	-	-	—
F1/52	-	-	—
F1/53	100A	Suspension relay box	

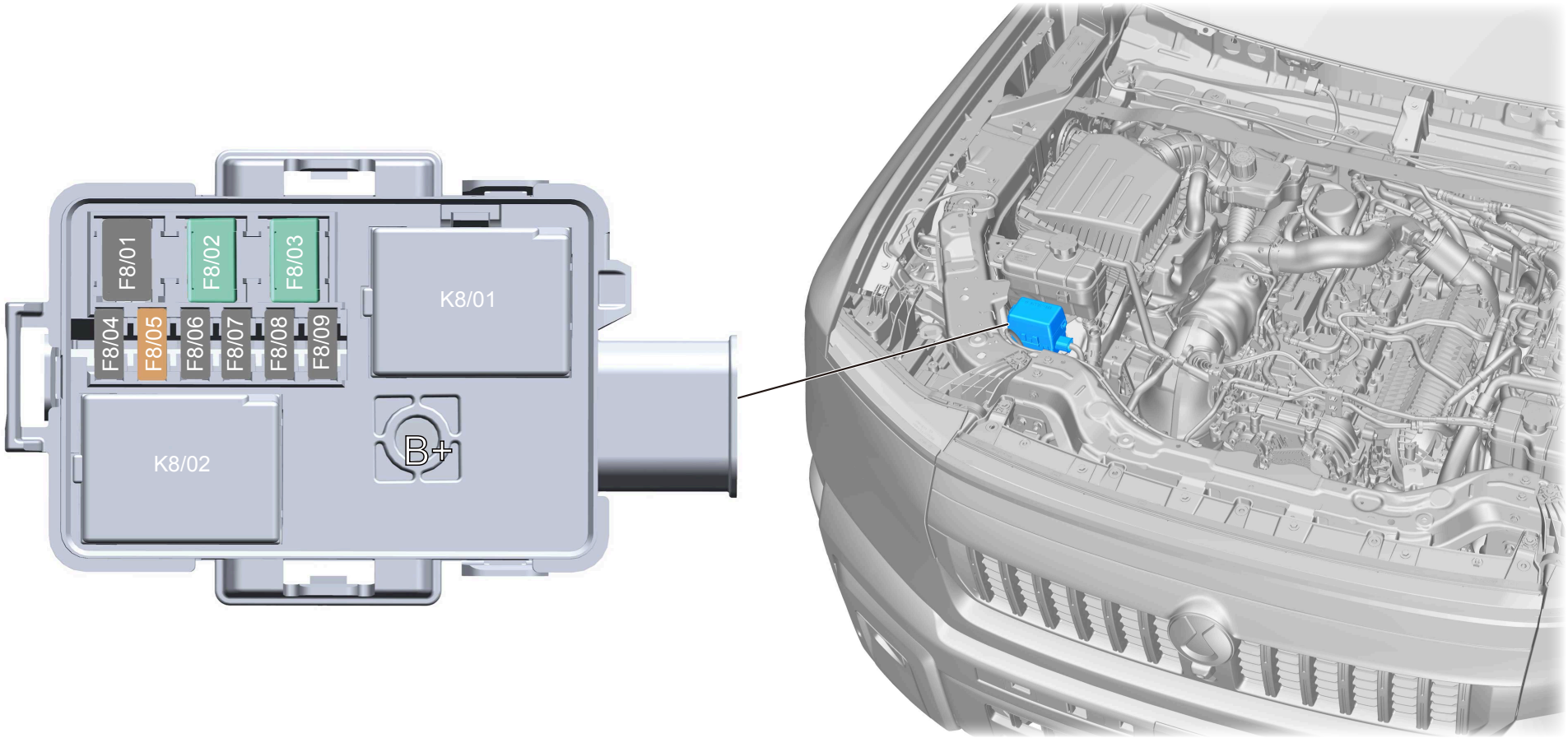
Suspension relay box



Fuse coding	Relay name	Function/Component	Remarks
F9/01	-	-	-
F9/02	60A	Suspended relay 1 power	D3IIDiSus-P
F9/03	60A	Suspension relay 2 power	D3IIDiSus-P

F9/04	-	-	-
F9/05	-	-	
F9/06	-	-	-
F9/07	-	-	-
F9/08	-	-	-
F9/09	-	-	-
K9/01	Suspended relay 1	-	-
K9/02	Suspended relay 2	-	-

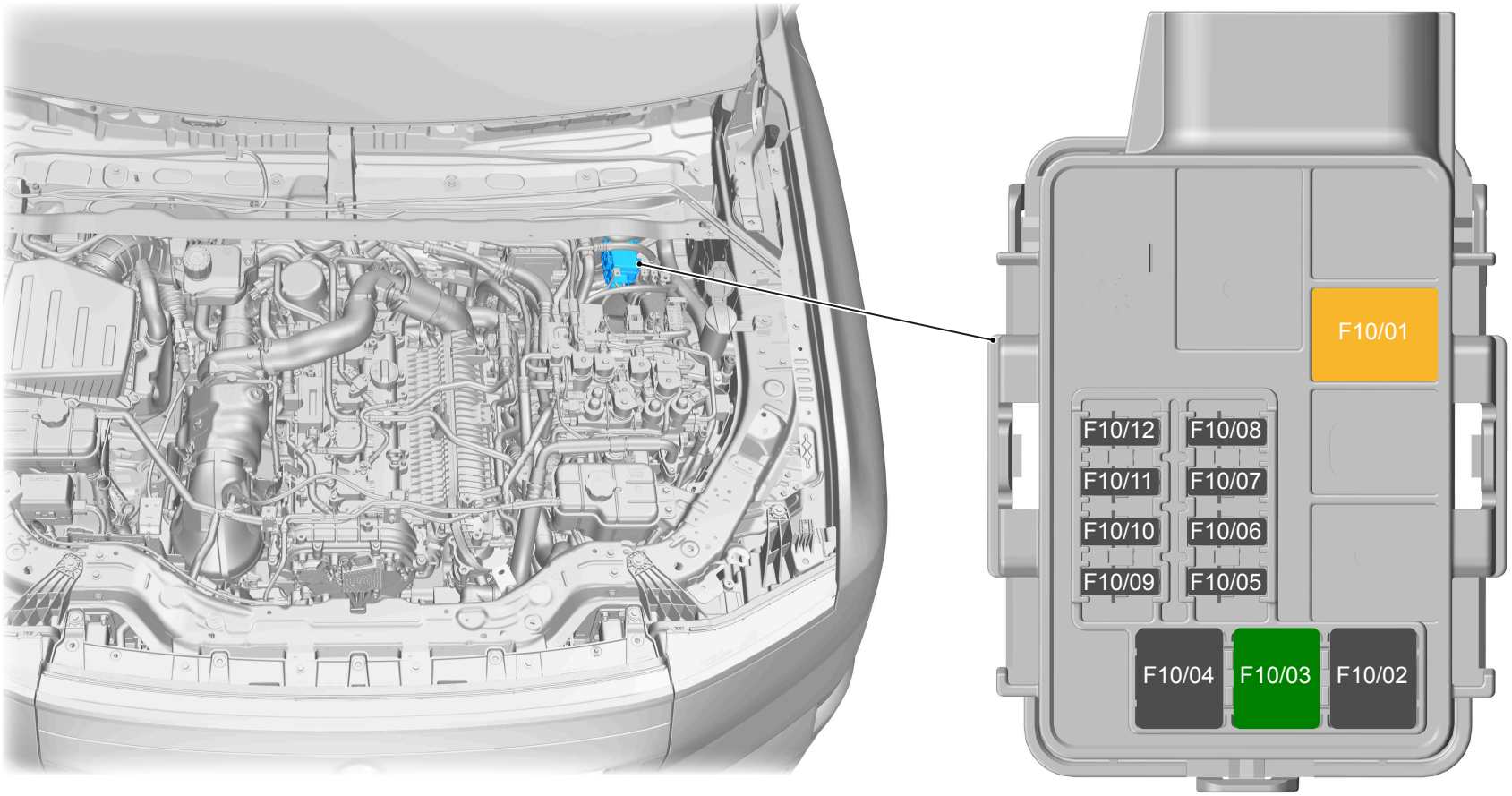
Oil pump relay box



Fuse coding	Relay name	Function/Component	Remarks
F8/01	-	-	-
F8/02	40A	Rear electronic oil pump relay power supply	
F8/03	40A	Front electronic oil pump relay power supply	

F8/04	-	-	-
F8/05	5A	Front electronic oil pump, VCU	
F8/06	-	-	-
F8/07	-	-	-
F8/08	-	-	-
F8/09	-	-	-
K8/01	Front electronic oil pump relay	-	-
K8/02	Rear electronic oil pump relay	-	-

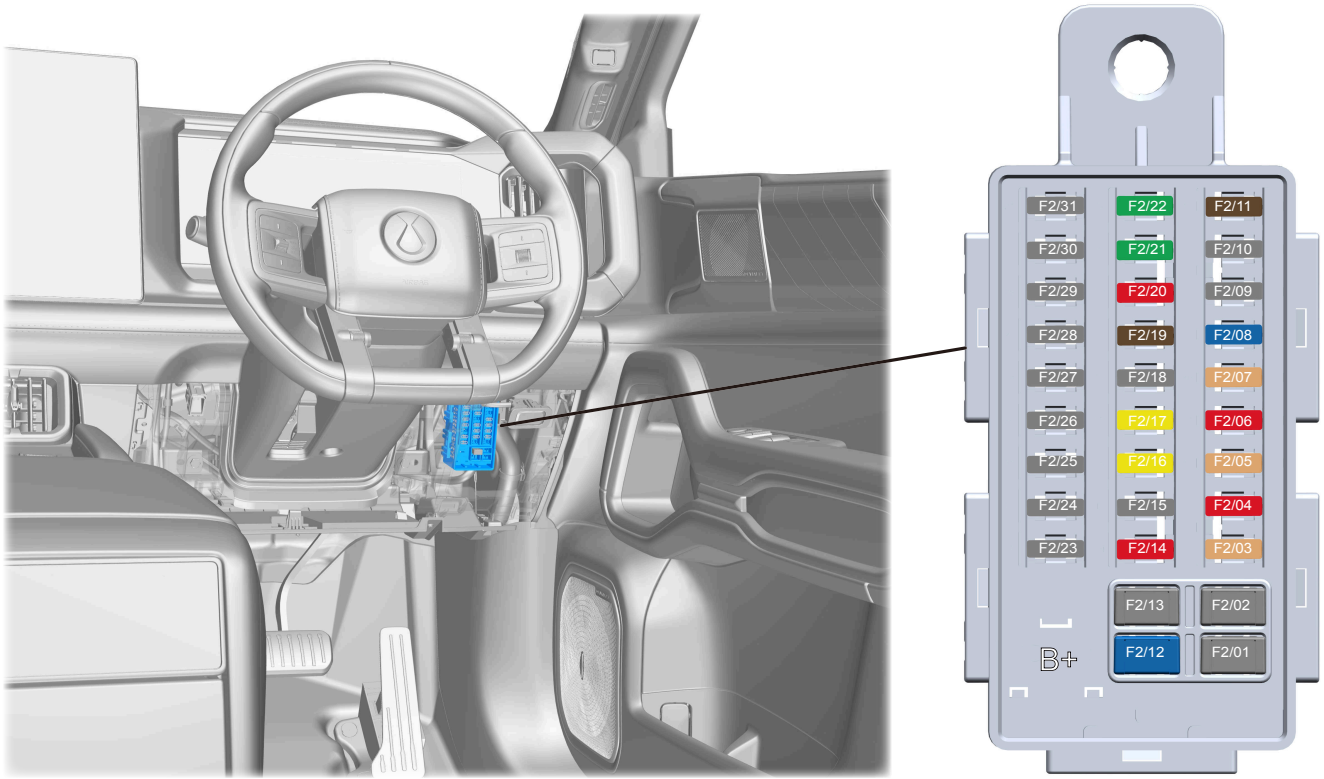
48V fuse box



Fuse coding	Rating	Function/Component	Remarks
F10/01	60A	1500W coolant pump	48VACS
F10/02	-	-	—
F10/03	30A	650W coolant pump	48VACS

F10/04	-	-	—
F10/05	-	-	—
F10/06	-	-	—
F10/07	-	-	—
F10/08	-	-	—
F10/09	-	-	—
F10/10	-	-	—
F10/11	-	-	—
F10/12	-	-	—

Instrument panel fuse box

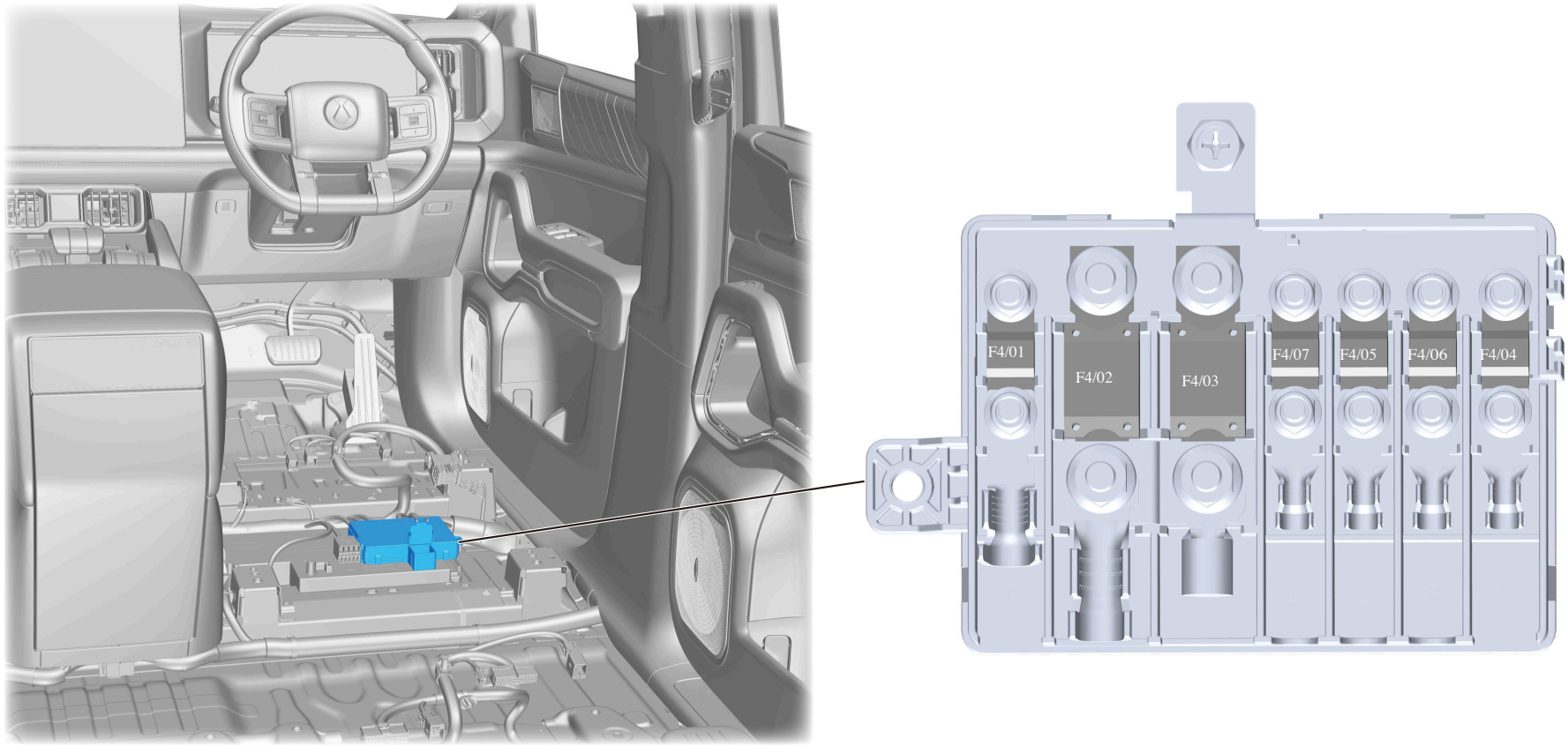


Fuse coding	Rating	Function/Component	Remarks
F2/01	-	-	—
F2/02	-	-	—
F2/03	5A	DAB antenna box	—

F2/04	10A	OBD DLC	—
F2/05	5A	HUD	—
F2/06	10A	T-BOX	—
F2/07	5A	Gearshift control mechanism panel assembly, gearshift control mechanism assembly	—
F2/08	15A	Wireless charging module	—
F2/09	-	-	—
F2/10	-	-	—
F2/11	7.5A	On-board refrigerator control panel, clock spring, multi-function switch, four-in-one sensor	—
F2/12	15A	Differential lock controller	—
F2/13	-	-	—
F2/14	5A	Brake light switch	—
F2/15	-	-	—
F2/16	20A	Front left window motor	—
F2/17	20A	Front right window motor	—
F2/18	-	-	—
F2/19	7.5A	Front CPD mmWave radar, middle CPD mmWave radar, rear CPD mmWave radar	—
F2/20	5A	VCU	—
F2/21	30A	Driver's seat assembly	—
F2/22	30A	Front passenger's seat assembly	—
F2/23	-	-	—

F2/24	-	-	—
F2/25	-	-	—
F2/26	-	-	—
F2/27	-	-	—
F2/28	-	-	—
F2/29	-	-	—
F2/30	-	-	—
F2/31	-	-	—

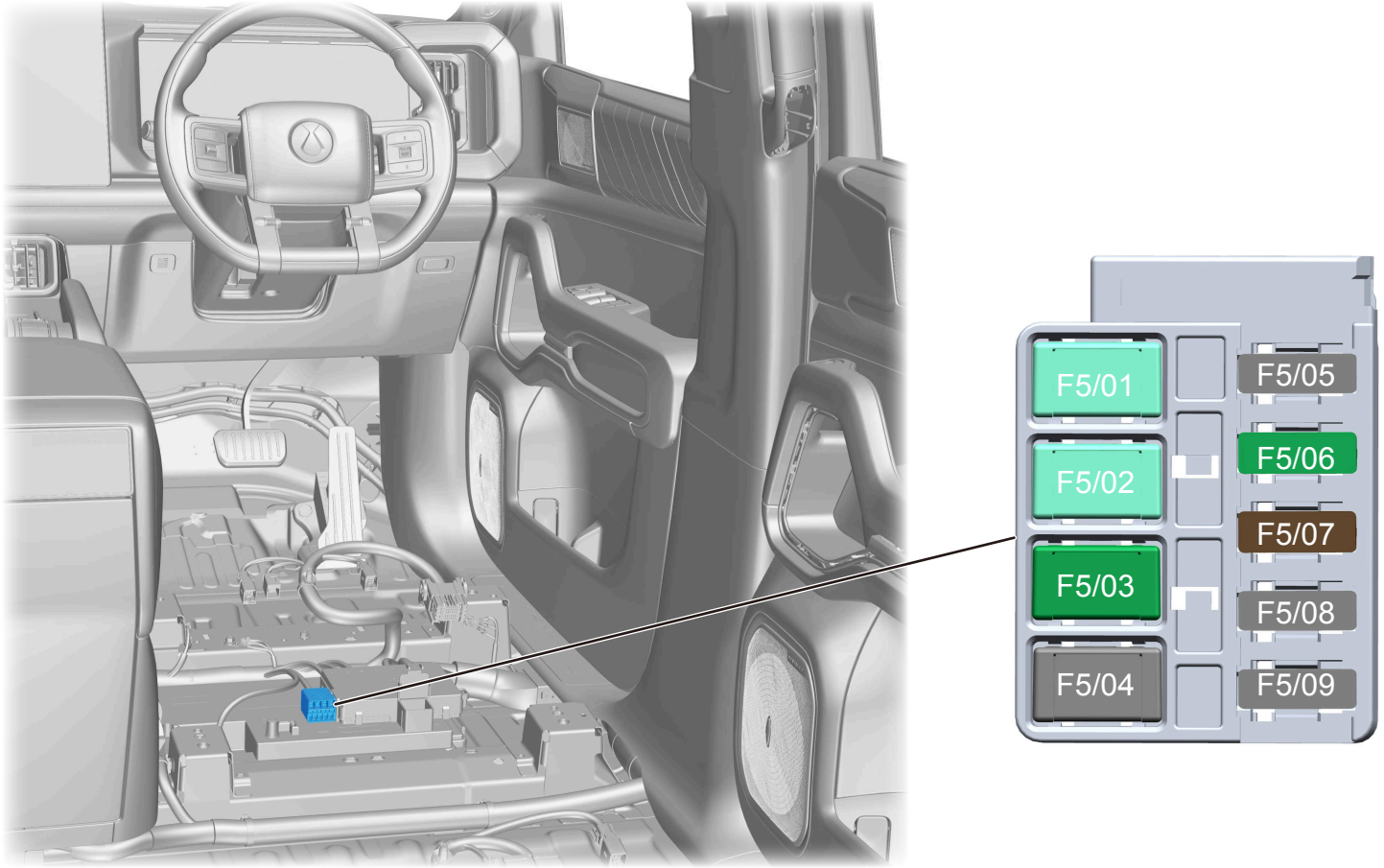
12 V battery positive fuse box 1



Fuse coding	Rating	Function/Component	Remarks
F4/01	100A	Right BCM	—
F4/02	350A	DC power distribution adapter box	—
F4/03	200A	Floor adapter box	—

F4/04	100A	Rear BCM	—
F4/05	80A	Instrument panel fuse box	—
F4/06	80A	Rear compartment fuse box	—
F4/07	200A	Left BCM	—

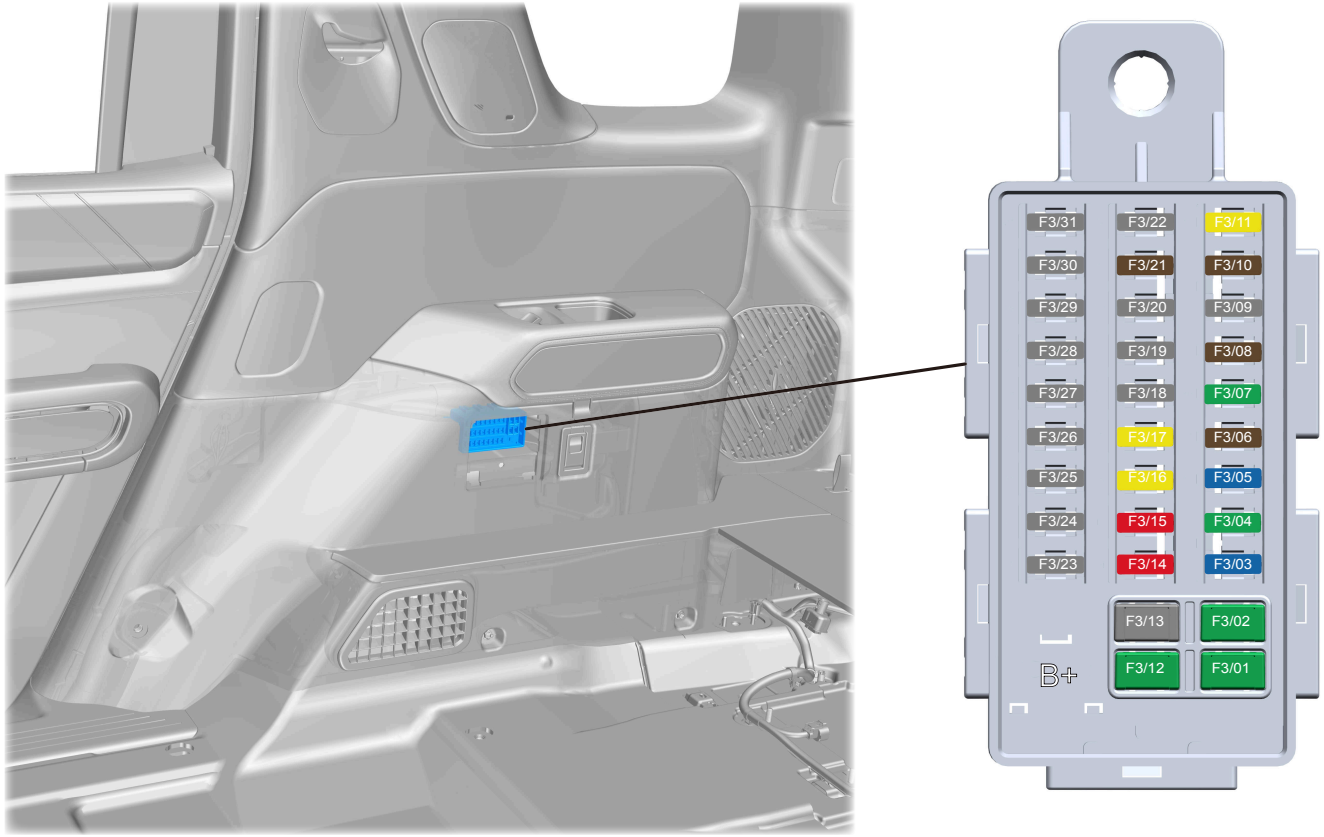
12 V battery positive fuse box 2



Fuse coding	Rating	Function/Component	Remarks
F5/01	40A	Front passenger’s electric pretensioner seat belt	HFSBP
F5/02	40A	Driver’s electric pretensioner seat belt	HFSBP
F5/03	30A	DiSus-P controller/D3 vehicle motion controller	D3IIDiSus-P

F5/04	-	-	-
F5/05	-	-	-
F5/06	30A	Multimedia control unit	-
F5/07	7.5A	Solenoid valve EXV9, electronic expansion valve, A/C thermal management integrated module, direct cooling plate outlet electronic expansion valve, solenoid valve EXV7, solenoid valve EXV8	-
F5/08	-	-	-
F5/09	-	-	-

Rear compartment fuse box

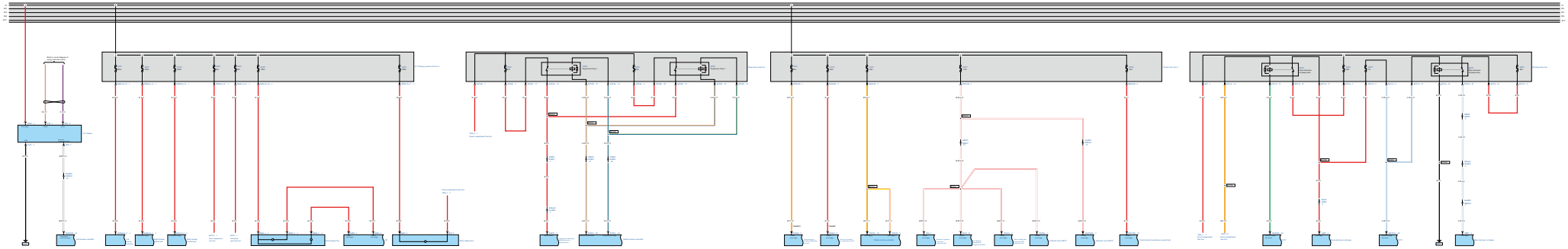


Fuse coding	Rating	Function/Component	Remarks
F3/01	30A	Rear BCM	-
F3/02	30A	Rear BCM	-
F3/03	15A	Gearshift motor control unit	-

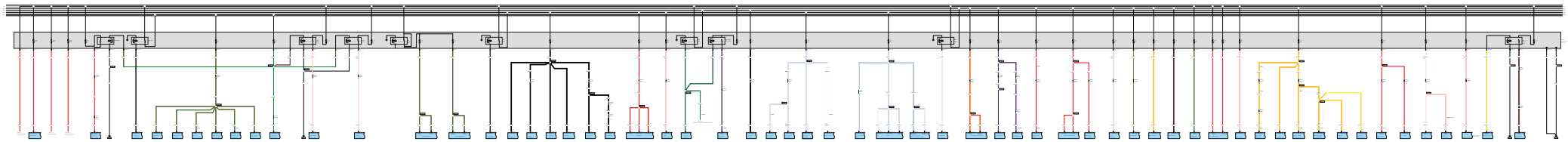
F3/04	30A	Trailer hitch power connector	-
F3/05	15A	On-board refrigerator	CRG
F3/06	7.5A	High-frequency receiver module, smart access main controller	-
F3/07	30A	Left/right middle-row seats	6Seat
F3/08	7.5A	Rear drive electric control	-
F3/09	-	-	-
F3/10	7.5A	Bidirectional on-board power supply module	-
F3/11	20A	Rear blower	-
F3/12	30A	External power amplifier	18SPKS
F3/13	-	-	-
F3/14	10A	Left taillight cluster, left middle taillight	-
F3/15	10A	Right taillight cluster, right middle taillight	-
F3/16	20A	Rear left window motor	-
F3/17	20A	Rear right window motor	-
F3/18	-	-	-
F3/19	-	-	-
F3/20	-	-	-
F3/21	7.5A	Rear right UWB anchor, rear left UWB anchor, rear left mmWave radar, rear right mmWave radar	-
F3/22	-	-	-
F3/23	-	-	-

F3/24	-	-	-
F3/25	-	-	-
F3/26	-	-	-
F3/27	-	-	-
F3/28	-	-	-
F3/29	-	-	-
F3/30	-	-	-
F3/31	-	-	-

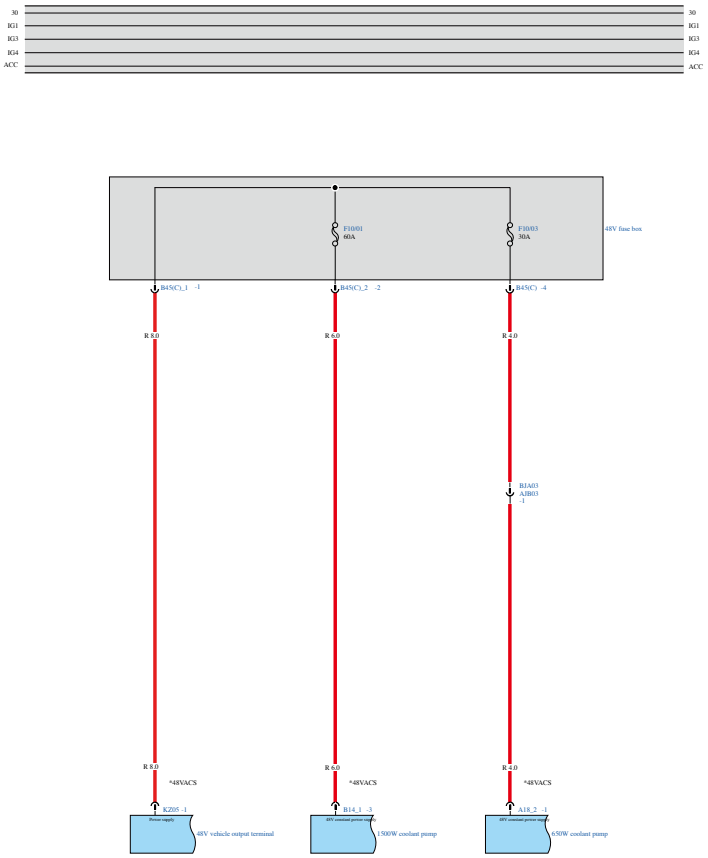
Circuit diagram 1 of front compartment fuse box power supply



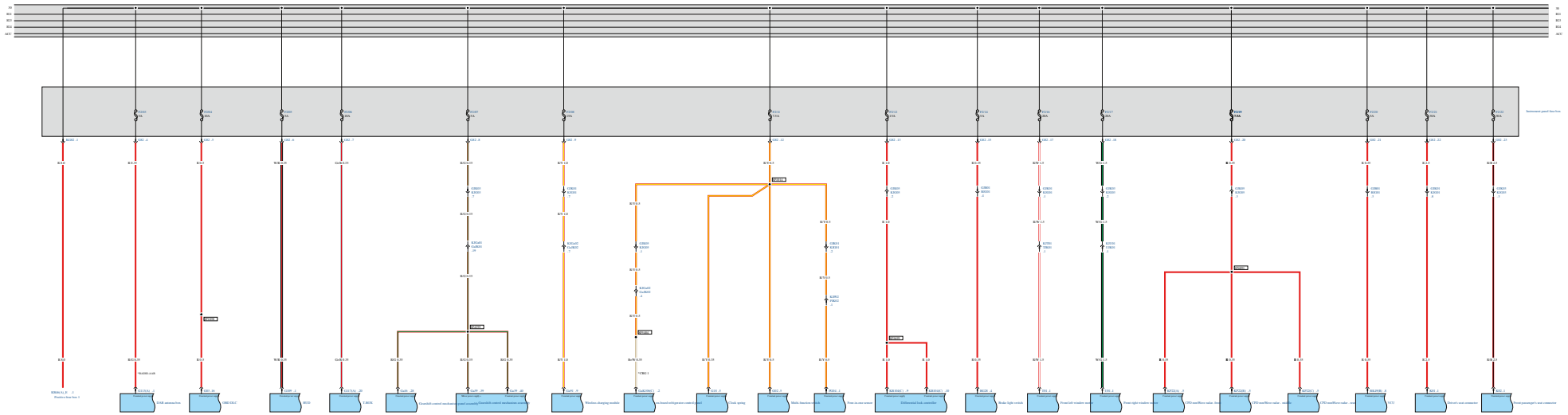
Circuit diagram of front compartment fuse box power supply 2



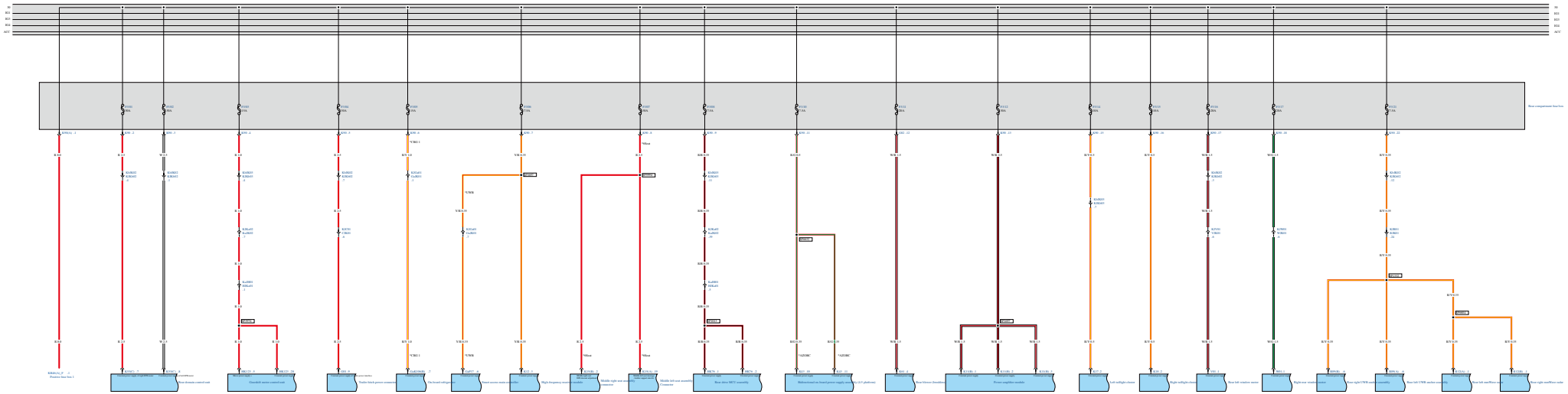
48V fuse box power circuit diagram



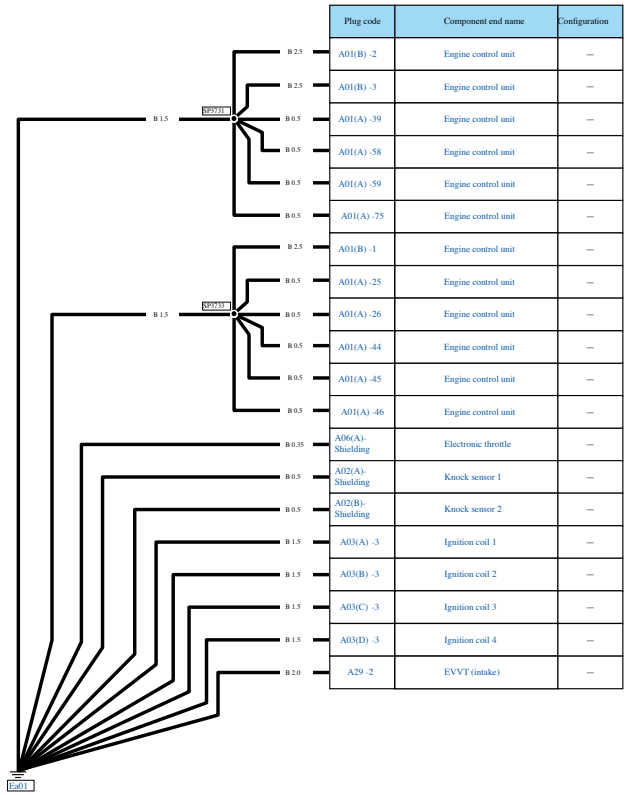
Circuit diagram of instrument panel fuse box power supply



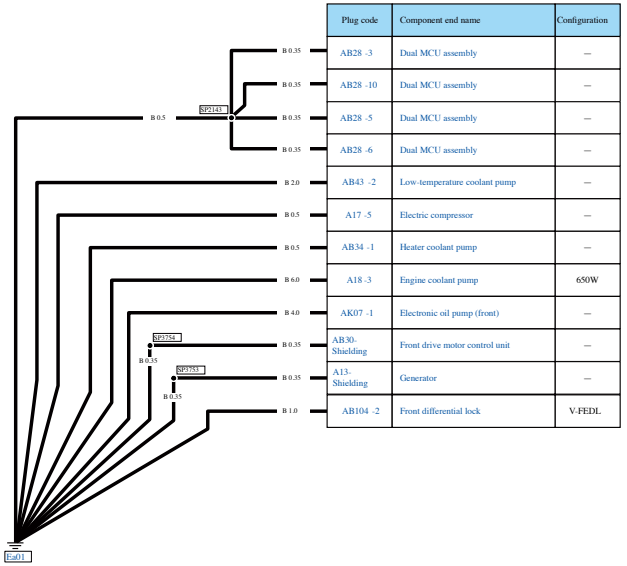
Circuit diagram of rear compartment fuse box power supply



Circuit diagram of engine wiring harness GND point

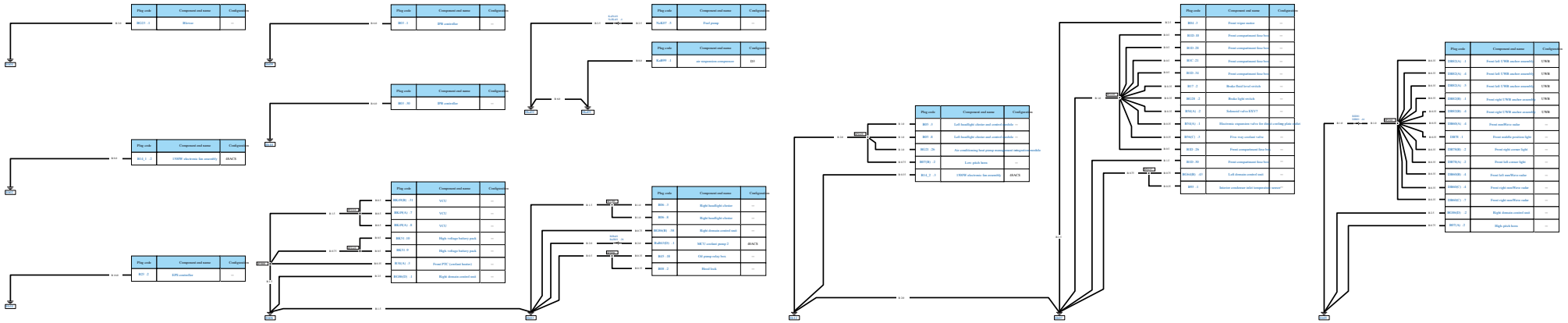


Plug code	Component end name	Configuration
A01(B) -2	Engine control unit	–
A01(B) -3	Engine control unit	–
A01(A) -39	Engine control unit	–
A01(A) -58	Engine control unit	–
A01(A) -59	Engine control unit	–
A01(A) -75	Engine control unit	–
A01(B) -1	Engine control unit	–
A01(A) -25	Engine control unit	–
A01(A) -26	Engine control unit	–
A01(A) -44	Engine control unit	–
A01(A) -45	Engine control unit	–
A01(A) -46	Engine control unit	–
A06(A)-Shielding	Electronic throttle	–
A02(A)-Shielding	Knock sensor 1	–
A02(B)-Shielding	Knock sensor 2	–
A03(A) -3	Ignition coil 1	–
A03(B) -3	Ignition coil 2	–
A03(C) -3	Ignition coil 3	–
A03(D) -3	Ignition coil 4	–
A29 -2	EVVT (intake)	–

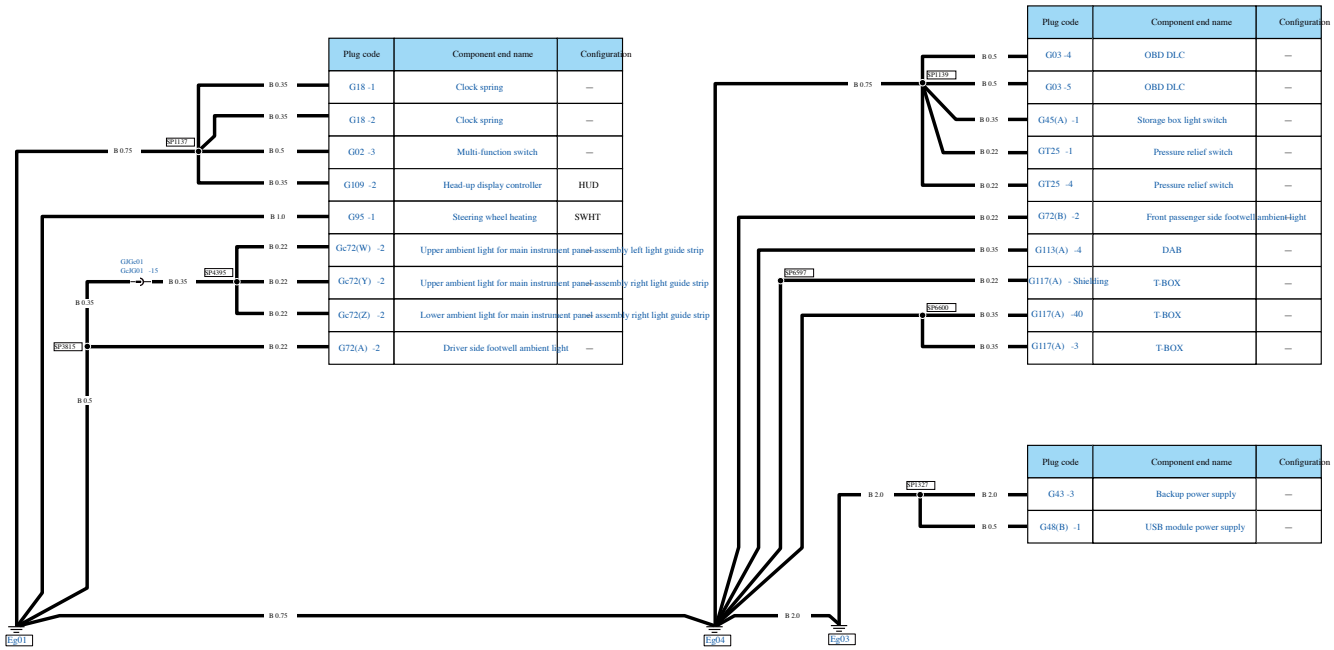


Plug code	Component end name	Configuration
AB28 -3	Dual MCU assembly	–
AB28 -10	Dual MCU assembly	–
AB28 -5	Dual MCU assembly	–
AB28 -6	Dual MCU assembly	–
AB43 -2	Low-temperature coolant pump	–
A17 -5	Electric compressor	–
AB34 -1	Heater coolant pump	–
A18 -3	Engine coolant pump	650W
AK07 -1	Electronic oil pump (front)	–
AB30-Shielding	Front drive motor control unit	–
A13-Shielding	Generator	–
AB104 -2	Front differential lock	V-FEDL

Circuit diagram of front compartment wiring harness GND points



Circuit diagram of instrument panel wiring harness GND points

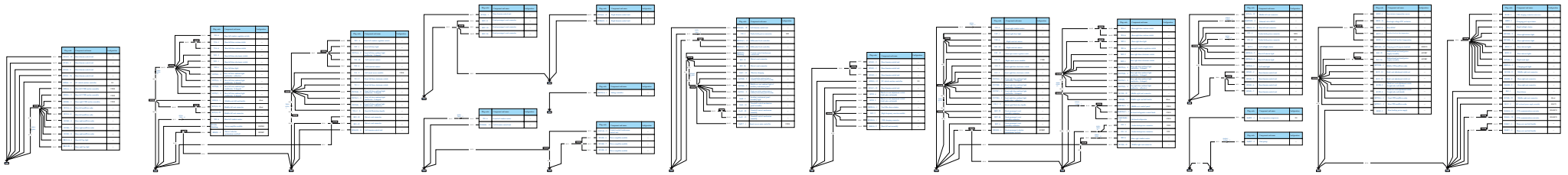


Plug code	Component end name	Configuration
G18 -1	Clock spring	–
G18 -2	Clock spring	–
G02 -3	Multi-function switch	–
G109 -2	Head-up display controller	HUD
G95 -1	Steering wheel heating	SWHT
Gc72(W) -2	Upper ambient light for main instrument panel assembly left light guide strip	
Gc72(Y) -2	Upper ambient light for main instrument panel assembly right light guide strip	
Gc72(Z) -2	Lower ambient light for main instrument panel assembly right light guide strip	
G72(A) -2	Driver side footwell ambient light	–

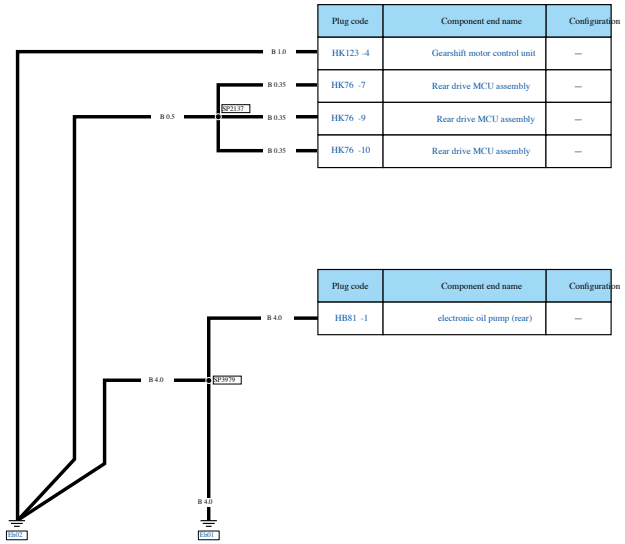
Plug code	Component end name	Configuration
G03 -4	OBD DLC	–
G03 -5	OBD DLC	–
G45(A) -1	Storage box light switch	–
GT25 -1	Pressure relief switch	–
GT25 -4	Pressure relief switch	–
G72(B) -2	Front passenger side footwell ambient light	–
G113(A) -4	DAB	–
G117(A) - Shielding	T-BOX	–
G117(A) -40	T-BOX	–
G117(A) -3	T-BOX	–

Plug code	Component end name	Configuration
G43 -3	Backup power supply	–
G48(B) -1	USB module power supply	–

Circuit diagram of floor wiring harness GND point

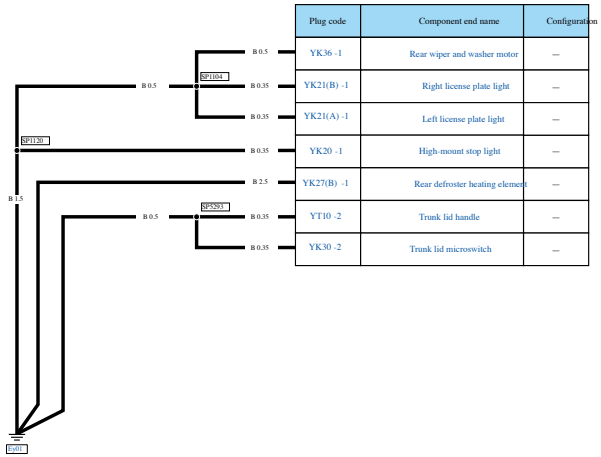


Circuit diagram of trunk lid and headliner wiring harness GND points

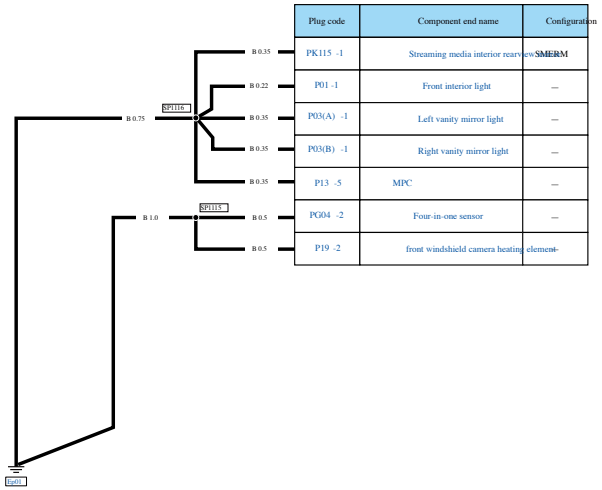


Plug code	Component end name	Configuration
HK123 -4	Gearshift motor control unit	–
HK76 -7	Rear drive MCU assembly	–
HK76 -9	Rear drive MCU assembly	–
HK76 -10	Rear drive MCU assembly	–

Plug code	Component end name	Configuration
HB81 -1	electronic oil pump (rear)	–

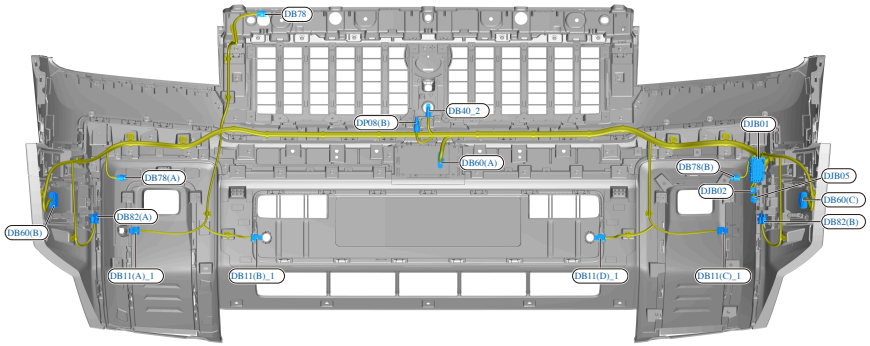


Plug code	Component end name	Configuration
YK36 -1	Rear wiper and washer motor	–
YK21(B) -1	Right license plate light	–
YK21(A) -1	Left license plate light	–
YK20 -1	High-mount stop light	–
YK27(B) -1	Rear defroster heating element	–
YT10 -2	Trunk lid handle	–
YK30 -2	Trunk lid microswitch	–



Plug code	Component end name	Configuration
PK115 -1	Streaming media interior rearview mirror	SMEIRM
P01 -1	Front interior light	–
P03(A) -1	Left vanity mirror light	–
P03(B) -1	Right vanity mirror light	–
P13 -5	MPC	–
PG04 -2	Four-in-one sensor	–
P19 -2	front windshield camera heating element	–

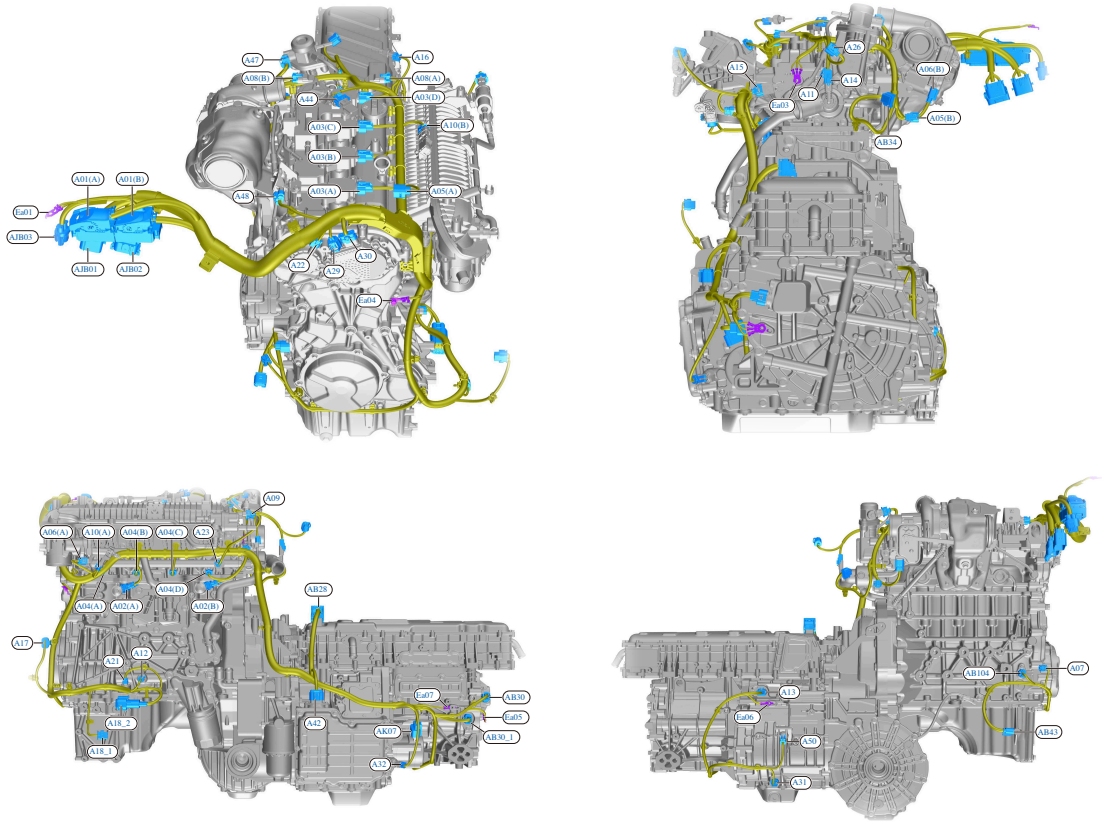
Layout of front bumper wiring harness



Plug coding	Function description	Configuration
DB11(A)_1	Front left small probe	FRD
DB11(B)_1	Front middle left small probe	FRD
DB11(C)_1	Front right small probe	FRD

DB11(D)_1	Front middle right small probe	FRD
DB40_2	Front-view panoramic view camera	5R1V
DB60(A)	Front mmWave radar	5R1V
DB60(B)	Front left mmWave radar	5R1V
DB60(C)	Front right mmWave radar	5R1V
DB78	Front middle position light	—
DB78(A)	Front left corner light	—
DB78(B)	Front right corner light	—
DB82(A)	Front left UWB anchor	UWB
DB82(B)	Front right UWB anchor	UWB
DJB01	Front bumper wiring harness connected to front compartment wiring harness 1	—
DJB02	Front bumper wiring harness connected to front compartment wiring harness 1	—
DJB05	Front bumper wiring harness connected to front compartment wiring harness 1	—
DP08(B)	Night vision camera	NVCA

Layout of engine wiring harness



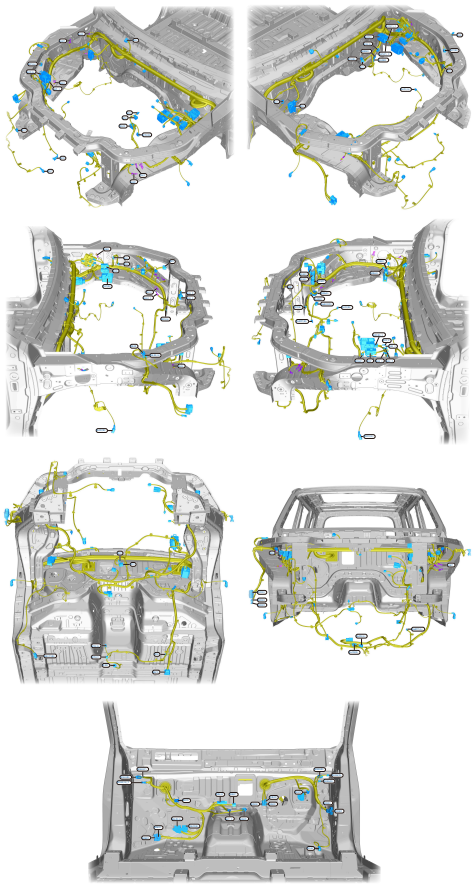
Plug code	Component name	Configuration
A01(A)	Engine control module	ALL
A01(B)	Engine control module	ALL
A02(A)	Knock sensor 1	ALL

A02(B)	Knock sensor 2	ALL
A03(A)	Ignition coil #1	ALL
A03(B)	Ignition coil #2	ALL
A03(C)	Ignition coil #3	ALL
A03(D)	Ignition coil #4	ALL
A04(A)	Fuel injector #1	ALL
A04(B)	Fuel injector #2	ALL
A04(C)	Fuel injector #3	ALL
A04(D)	Fuel injector #4	ALL
A05(A)	Front heated oxygen sensor	HVC
A05(B)	Rear heated oxygen sensor	ALL
A06(A)	Electronic throttle body	ALL
A06(B)	Electronic waste gate	ALL
A07	Crankshaft position sensor	CRG
A08(A)	Intake camshaft position sensor	ALL
A08(B)	Exhaust camshaft position sensor	ALL
A09	Carbon canister solenoid valve	ALL
A10(A)	Intake header temperature & pressure sensor	ALL
A10(B)	Intake manifold temperature & pressure sensor	ALL
A11	Coolant temperature sensor	ALL
A12	Engine oil pressure sensor	CRG

A13	Generator resolver temperature sensor	!PLM
A14	Electronic thermostat	ALL
A15	Filter capacitor	ALL
A17	Electric compressor assembly	CRG
A18	Engine coolant pump	CRG
A21	Two-stage variable displacement oil pump	CRG
A22	OVC valve	ALL
A23	High-pressure fuel pressure sensor	ALL
A26	Turbocharger compressor recirculation valve	ALL
A29	EVVT	ALL
A30	EVVT	ALL
A31	Oil temperature sensor	!PLM
A42	Clutch pressure solenoid valve	ALL
A44	Desorption pressure sensor	ALL
A46	Main pressure sensor	ALL
A47	High-pressure fuel pump	ALL
A50	Clutch pressure sensor	!PLM
AB104	Front differential lock	(C-FEDLIIV-FEDL)&&CRG1
AB28	Dual MCU	ALL
AB30	Drive motor resolver	ALL
AB30_1	Drive motor temperature sensor	ALL

AB34	Heater coolant pump	ALL
AB43	Low-temperature coolant pump	CRG
AJB01	Engine wiring harness connected to front compartment wiring harness I	ALL
AJB02	Engine wiring harness connected to front compartment wiring harness I	ALL
AJB03	Engine wiring harness connected to front compartment wiring harness	ALL
AK07	Front electronic oil pump	ALL
Ea01	#1 GND	ALL
Ea03	#3 GND	ALL
Ea04	#4 GND	CRG
Ea05	#5 GND	ALL
Ea06	#6 GND	ALL
Ea07	7# GND	ALL

Layout of front compartment wiring harness



Plug coding	Component name	Configuration
B02(A)	Front left collision sensor	—
B02(B)	Front right collision sensor	D3

B03	IPB controller	—
B04	Front wiper motor	—
B05	Left headlight cluster	—
B06	Right headlight cluster	—
B07(A)	High-pitch horn	—
B07(B)	Low-pitch horn	—
B08	Hood lock	—
B100	Suspension attitude control module	D3llDiSus-P
B12	Exterior temperature sensor	—
B13	Pressure sensor 1 (compressor outlet)	—
B14	Electronic fan	—
B16	Washer motor	—
B17	Brake fluid level sensor	—
B1C	Front compartment fuse box	—
B1D	Front compartment fuse box	—
B22	EPS controller	—
B23	EPS controller	—
B39	Coolant temperature sensor (radiator outlet)	—
B42(A)	PTC air heater (front)	—
B44_1	Front compartment fuse box	—
B44_2	Front compartment fuse box	—

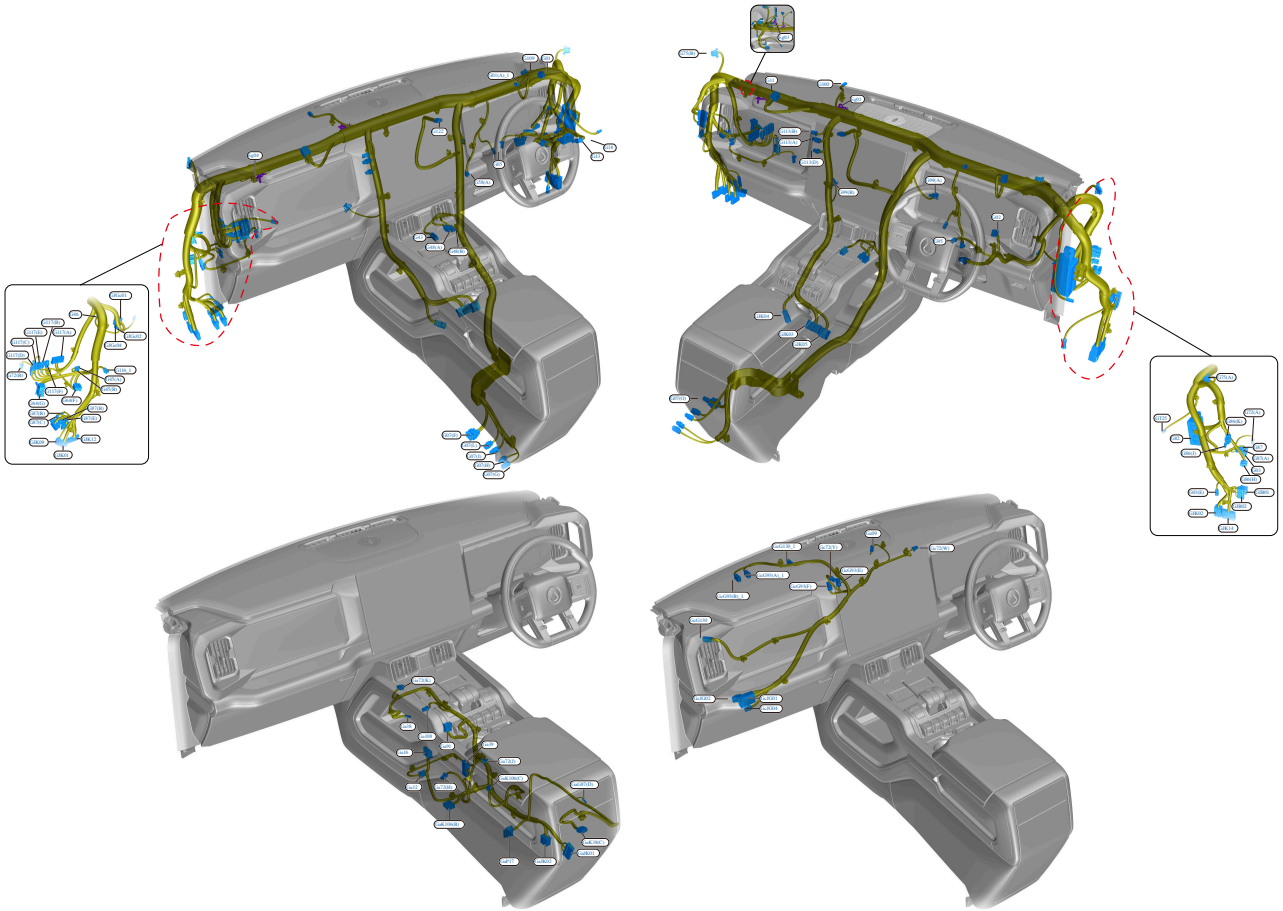
B44_3	Front compartment fuse box	—
B45(A)	Oil pump relay box	—
B45(B)	Suspension relay box	—
B45(B)_1	Suspension relay box	CDC
B45_1	Oil pump relay box	—
B46(C)_B1	Front compartment positive fuse box	—
B46(C)_C	Front compartment positive fuse box	—
B46(C)_D	Front compartment positive fuse box	—
B46(C)_E	Front compartment positive fuse box	—
B47_2	Floor adapter box	—
B54	Electronic expansion valve (inlet of battery cooling plate)	—
B54(A)	Large-diameter electronic expansion valve	—
B54(B)	Solenoid valve EXV7 (behind front evaporator)	—
B55	Temperature & pressure sensor 1 (evaporator end)	48ACS
B55(C)	Temperature & pressure sensor PT4 (battery pack outlet)	48ACS
B55(D)	PT5 sensor (compressor inlet)	—
B67	Engine simulator	18SPKS
Ba91(A)	Front left suspension height sensor	—
Ba91(B)	Front right suspension height sensor	—
Ba98(A)	Front left suspension damping control module	—
Ba98(B)	Front right suspension damping control module	—

BaB97(A)	Front left coil spring stiffness solenoid valve power supply	—
BaB97(B)	Front right coil spring stiffness solenoid valve power supply	—
BaJB01	Front compartment wiring harness 2 to front compartment wiring harness 1	—
Bb01(A)	Front left wheel speed sensor	—
BbJB01	Front left wheel speed sensor wiring harness to front compartment wiring harness 1	—
Bc01(B)	Front right wheel speed sensor	—
BcJB01	Front right wheel speed sensor wiring harness to front compartment wiring harness 1	—
BG23	Front brushless blower	—
BG28	Brake light switch	—
BG44	Accelerator pedal position sensor	—
BG64(A)_2	Left domain control unit	—
BG64(B)	Left domain control unit	—
BG64(C)	Left domain control unit	—
BG86(B)	Right domain control unit	—
BG86(D)	Right domain control unit	—
BG86(N)	Right domain control unit	NVCA
BJA01	Front compartment wiring harness 1 to engine wiring harness	—
BJA02	Front compartment wiring harness 1 to engine wiring harness	—
BJA03	Front compartment wiring harness 1 to engine wiring harness	—

BJBa01	Front compartment wiring harness 1 to front compartment wiring harness 2	—
BJBb01	Front compartment wiring harness 1 to front left wheel speed sensor wiring harness	—
BJBc01	Front compartment wiring harness 1 to front right wheel speed sensor wiring harness	—
BJD01	Front compartment wiring harness 1 to front bumper wiring harness	—
BJD02	Front compartment wiring harness 1 to front bumper wiring harness	—
BJD05	Front compartment wiring harness 1 to front bumper wiring harness	—
BJG01	Front compartment wiring harness 1 to instrument panel wiring harness 1	—
BJG02	Front compartment wiring harness 1 to instrument panel wiring harness 1	—
BJK01	Front compartment wiring harness 1 to floor wiring harness 1	—
BJK02	Front compartment wiring harness 1 to floor wiring harness 1	—
BJK03	Front compartment wiring harness 1 to floor wiring harness 1	—
BJK04	Front compartment wiring harness 1 to floor wiring harness 1	—
BJK05	Front compartment wiring harness 1 to floor wiring harness 1	—
BJK07	Front compartment wiring harness 1 to floor wiring harness 1	—
BJK08	Front compartment wiring harness 1 to floor wiring harness 1	—
BJK09	Front compartment wiring harness 1 to floor wiring harness 1	—
BJK10	Front compartment wiring harness 1 to floor wiring harness 1	—
BK48	Low-voltage service disconnect (female terminal)	—

BK48(A)	Low-voltage service disconnect (male terminal)	—
BK49(A)	VCU	—
BK49(B)	VCU	—
BK51	High-voltage battery pack	—
Eb01	GND point	—
Eb02	GND point	—
Eb03	GND point	—
Eb04	GND point	—
Eb05	GND point	—
Eb06	GND point	—
Eb07	GND point	—
Eb09	GND point	—
Eb10	GND point	—
Eb12	GND point	—
Eb13	GND point	—
Eb14	GND point	—

Layout of instrument panel wiring harnesses



Plug coding	Function description	Configuration
Eg01	GND point	—
Eg03	GND point	—
Eg04	GND point	—

G01	Instrument panel cluster	—
G01(A)	Instrument panel cluster	PAD8475
G02	Multi-function switch	—
G03	OBD DLC	—
G05	Interior temperature sensor	—
G07(F)	Central control touchscreen control unit	PAD8475
G07(G)	Central control touchscreen control unit	PAD8475
G07(H)	Central control touchscreen control unit	PAD8475
G07(J)	Central control touchscreen control unit	RADIO-AAB
G07(L)	Central control touchscreen control unit	PAD8475
G07(O)	Central control touchscreen control unit	PAD8475
G100	Anion generator	—
G109	HUD	HUD
G11	Front passenger airbag	—
G116_1	External SIM card assembly	—
G122	Central control touchscreen assembly	PAD8475
G13	Driver airbag	—
G18	Clock spring	—
G43	Backup power supply	—
G45(A)	Storage box light switch	—
G45(B)	Storage box light switch	—

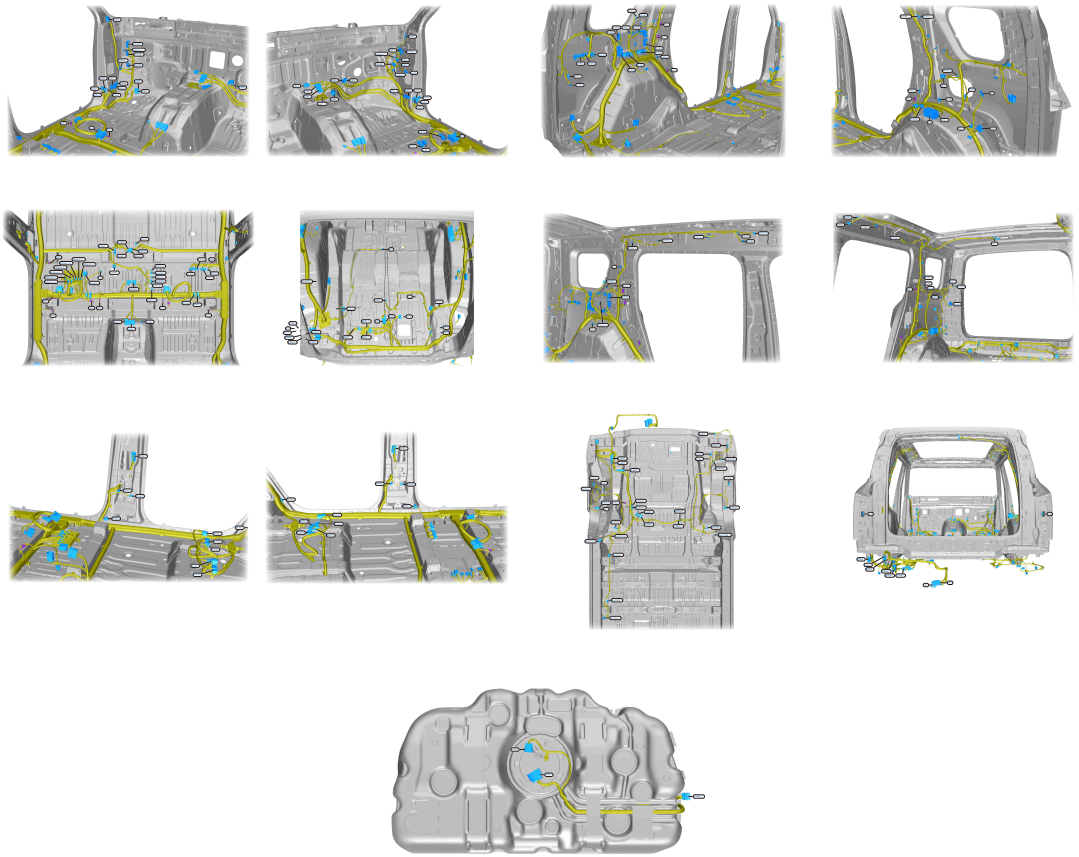
G46	Storage box light	—
G72(A)	Driver side footwell ambient light	—
G48(A)	USB data interface	PAD8475
G48(B)	USB data interface	PAD8475
G53	Electric steering column controller	ESCN
G54	Steering wheel position adjustment switch	ESCN
G58(A)	Driver's knee airbag	—
G64(F)	Left domain control unit	—
G64(G)	Left domain control unit	—
G72(B)	Front passenger side footwell ambient light	—
G82	Instrument panel fuse box	—
G86(H)	Right domain control unit	—
G86(J)	Right domain control unit	—
G86(K)	Right domain control unit	—
G87(A)	Terminal resistor	—
G87(B)	Terminal resistor	—
G87(C)	Terminal resistor	—
G87(E)	Terminal resistor	CRG1
G87_1	Terminal resistor	—
G99(A)	Driver side footwell vent temperature sensor	—
G99(B)	Front passenger side footwell vent temperature sensor	—

GJB01	Instrument panel wiring harness 1 connected to front compartment wiring harness 1	—
GJB02	Instrument panel wiring harness 1 connected to front compartment wiring harness 1	—
GJGc01	Instrument panel wiring harness 1 to the instrument panel wiring harness 3	—
GJGc02	Instrument panel wiring harness 1 to the instrument panel wiring harness 3	—
GJGc04	Instrument panel wiring harness 1 to the instrument panel wiring harness 3	—
GJK01	Instrument panel wiring harness 1 to floor wiring harness 1	—
GJK02	Instrument panel wiring harness 1 to floor wiring harness 1	—
GJK03	Instrument panel wiring harness 1 to floor wiring harness 1	—
GJK04	Instrument panel wiring harness 1 to floor wiring harness 1	—
GJK05	Instrument panel wiring harness 1 to floor wiring harness 1	—
GJK09	Instrument panel wiring harness 1 to floor wiring harness 1	—
GJK10	Instrument panel wiring harness 1 to floor wiring harness 1	—
GT25	Pressure relief switch	—
Ga16	Gearshift control mechanism panel	—
Ga32	Front interior detection antenna	—
Ga38	Auxiliary instrument panel assembly light	—
Ga39	Gearshift control mechanism assembly	—
Ga72(H)	Left cup holder ambient light of auxiliary instrument panel assembly	—
Ga72(J)	Right cup holder ambient light of auxiliary instrument panel assembly	—
Ga72(K)	Middle air vent ambient light of auxiliary instrument panel	HMALP3
Ga91	Wireless charging module	—

GaG87(D)	Terminal resistor	CRG1
GaJK01	Instrument panel wiring harness 2 to floor wiring harness 1	—
GaJK02	Instrument panel wiring harness 2 to floor wiring harness 1	—
GaK106(B)	On-board refrigerator	CRG1
GaK106(C)	On-board refrigerator control knob	CRG1
GaK38(C)	Middle-row control panel	CRG1
GaP17	Smart access main controller	UWB
Gc09	Center speaker	18SPKS
Gc72(W)	Upper ambient light for main instrument panel assembly left light guide strip	—
Gc72(Y)	Upper ambient light for main instrument panel assembly right light guide strip	—
Gc72(Z)	Lower ambient light for main instrument panel assembly right light guide strip	—
Gc75(A)	Driver side face level vent temperature sensor	—
Gc75(B)	Front passenger side face level vent temperature sensor	—
GcG130	GPS antenna	CALL
GcG130_1	GPS antenna	PAD8475
GcG93(A)_1	4G main antenna	—
GcG93(B)_1	4G auxiliary antenna	—
GcG93(E)	WiFi antenna	PAD8475
GcG93(F)	WiFi antenna	PAD8475
GcJG01	Instrument panel wiring harness 3 to the instrument panel wiring harness 1	—
GcJG02	Instrument panel wiring harness 3 to the instrument panel wiring harness 1	—

GcJG04	Instrument panel wiring harness 3 to the instrument panel wiring harness 1	—

Layout of floor wiring harness



Plug coding	Function description	Configuration
C01	Trailer power connector socket	TPP
CJK01	Trailer sub-harness connected to floor wiring harness 1	—
Ek01	GND point	—

Ek02	GND point	—
Ek03	GND point	—
Ek04	GND point	—
Ek05	GND point	—
Ek06	GND point	—
Ek07	GND point	—
Ek08	GND point	—
Ek09	GND point	—
Ek10	GND point	—
Ek11	GND point	—
Ek12	GND point	—
Ek13	GND point	—
Ek14	GND point	—
Ek15	GND point	—
EKa01	GND point	D3 II DiSus-P
EKa02	GND point	D3 II DiSus-P
K01	Driver's seat assembly	—
K02	Front passenger's seat assembly	—
K03(A)	Left side curtain airbag	—
K03(B)	Front passenger side airbag	—
K03(C)	Middle-row left seat side airbag	—

K03(D)	Middle-row right seat side airbag	—
K04(A)	Front left seat belt pretensioner	—
K04(B)	Front passenger's seat belt pretensioner	—
K04(C)	Middle-row left seat belt pretensioner	—
K04(D)	Middle-row left seat belt pretensioner	—
K04(E)	Front left seat belt pretensioner (double load limiter)	—
K04(F)	Front right seat belt pretensioner (double load limiter)	—
K04(G)	Driver's motor pretensioner seat belt	—
K04(H)	Front passenger’s electric pretensioner seat belt	HFSBP
K05(C)	Left B-pillar side collision sensor	—
K05(D)	Right B-pillar side collision sensor	—
K05(F)	Rear right side collision sensor (C-pillar)	—
K06(A)	Side airbag (outer side of driver's seat)	—
K06(B)	Side airbag (outer side of front passenger's seat)	—
K11(A)	Power amplifier module	—
K11(B)	Power amplifier module	—
K11(C)	Power amplifier module	—
K11(D)	Power amplifier module	—
K12	High-frequency receiver module	—
K121	Trunk seat adjustment switch set (rear right side wall)	—
K133	48V on-board power supply assembly	—

K15(A)	Middle-row left seat	—
K15(B)	Middle-row right seat	—
K17	Left taillight cluster	—
K18	Right taillight cluster	—
K22(A)	Left trunk light	—
K22(B)	Right trunk light	—
K25	Rear interior detection antenna	—
K28	Subwoofer	18SPKS
K28(A)	Front left headliner speaker	—
K28(B)	Front right headliner speaker	—
K28(C)	Rear left headliner speaker	18SPKS
K28(D)	Rear right headliner speaker	—
K43	Bidirectional on-board power supply assembly	—
K44(A)	CCS communication converter	—
K50	12 V battery	—
K53(A)_4	Rear domain control unit	—
K53(B)	Rear domain control unit	—
K53(C)	Rear domain control unit	—
K53(D)	Rear domain control unit	—
K53(E)	Rear domain control unit	—
K53(F)	Rear domain control unit	—

K53(G)	Rear domain control unit	—
K53(H)	Rear domain control unit	—
K53(I)	Rear domain control unit	—
K53(J)	Rear domain control unit	—
K61	Rear blower (brushless)	—
K68(A)	Rear left seat	—
K68(B)	Rear right seat	—
K68(C)	Three-row seat belt buckle	—
K73	Fuel tank isolation valve	—
K75	High-voltage power distribution box	—
K84(A)	Middle-row left seat belt buckle	6Seat
K84(B)	Middle right seat belt buckle	6Seat
K87(A)	Antenna amplifier (left)	—
K87(A)_1	Antenna amplifier (left)	—
K87(B)	Antenna amplifier (right)	—
K87(B)_1	Antenna amplifier (right)	—
K90	Rear compartment fuse box	—
K90(A)	Rear compartment fuse box	—
K96(A)	Driver's seat far side SAB	—
K99(D)	Active suspension electronic controller	—
K99(E)	Active suspension electronic controller	—

K99(F)	Active suspension electronic controller	—
KA99	Diagnostic module tank leakage	—
KB104(C)	Differential lock controller	—
KB46(A)_A	12 V battery positive fuse box	—
KB46(A)_B	12 V battery positive fuse box	—
KB46(A)_D	12 V battery positive fuse box	—
KB46(A)_E	12 V battery positive fuse box	—
KB46(A)_F	12 V battery positive fuse box	—
KB46(A)_G	12 V battery positive fuse box	—
KB46(B)	12 V battery positive fuse box 2	—
KB47_1	Floor adapter box	—
KB48_1	Adapter box	—
KB48_2	Adapter box	—
KB48_3	Adapter box	—
KB49(A)	Charging port light	—
KB50	Rear right charging port cap actuator	—
KB50(A)	Fuel filler door actuator	—
KB53(E)	Charging port (European standard)	—
KbJK01	Floor wiring harness 1 to floor wiring harness 1	—
KbJK02	Floor wiring harness 1 to floor wiring harness 1	—
KbJK03	Floor wiring harness 1 to floor wiring harness 1	—

KbJK04	Floor wiring harness 1 to floor wiring harness 1	—
KbJK05	Floor wiring harness 1 to floor wiring harness 1	—
KG05	Rear interior temperature sensor	—
KG07(A)	Central control touchscreen control unit	PAD8475
KG07(B)	Central control touchscreen control unit	—
KG07(C)	Central control touchscreen control unit	—
KG07(D)	Central control touchscreen control unit	—
KG07(N)	Central control touchscreen control unit	—
KG07(Q)	Central control touchscreen control unit	5R1V
KG10(A)	Airbag controller	—
KG10(B)	Airbag controller	—
KG110	DMS camera	DMS
KG22	Rear HVAC	—
KG43	Rear backup power supply	—
KG48	USB charging connector	—
KG48(A)	USB charging connector	—
KG64(A)_4	Left domain control unit	—
KG64(D)	Left domain control unit	—
KG64(E)	Left domain control unit	—
KG64(I)	Left domain control unit	—
KG64(J)	Left domain control unit	—

KG75	Rear face level air duct temperature sensor	—
KG82	Instrument panel fuse box	—
KG86(A)_1	Right domain control unit	—
KG86(E)	Right domain control unit	—
KG86(G)	Right domain control unit	—
KG86(O)	Right domain control unit	NVCA
KG99	Rear footwell air duct temperature	—
KGa33	Interior detection antenna (middle)	—
KJB01	Floor wiring harness 1 to front compartment wiring harness 1	—
KJB02	Floor wiring harness 1 to front compartment wiring harness 1	—
KJB03	Floor wiring harness 1 to front compartment wiring harness 1	—
KJB04	Floor wiring harness 1 to front compartment wiring harness 1	—
KJB05	Floor wiring harness 1 to front compartment wiring harness 1	—
KJB07	Floor wiring harness 1 to front compartment wiring harness 1	—
KJB08	Floor wiring harness 1 to front compartment wiring harness 1	—
KJB09	Floor wiring harness 1 to front compartment wiring harness 1	—
KJB10	Floor wiring harness 1 to front compartment wiring harness 1	—
KJC01	Floor wiring harness 1 connects to trailer sub-harness	—
KJG01	Floor wiring harness 1 to instrument panel wiring harness 1	—
KJG02	Floor wiring harness 1 to instrument panel wiring harness 1	—
KJG03	Floor wiring harness 1 to instrument panel wiring harness 1	—

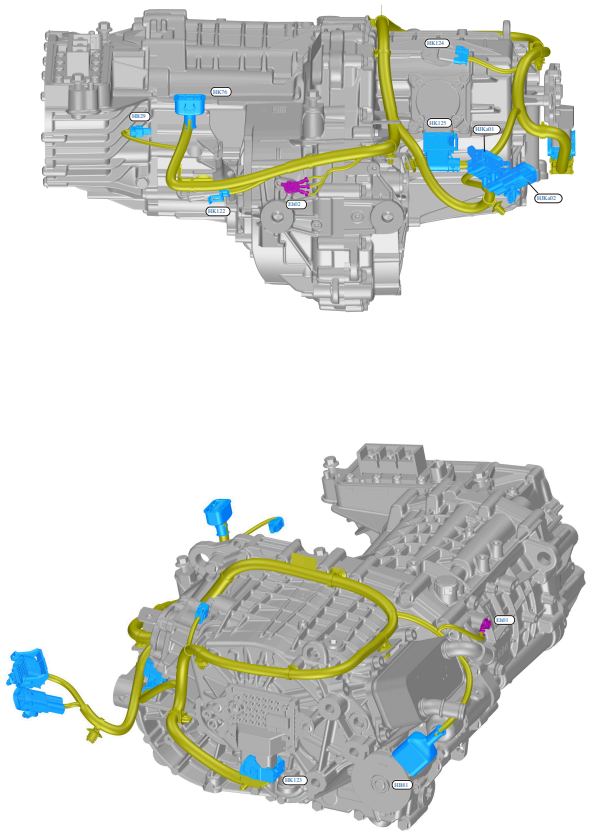
KJG04	Floor wiring harness 1 to instrument panel wiring harness 1	—
KJG05	Floor wiring harness 1 to instrument panel wiring harness 1	—
KJG09	Floor wiring harness 1 to instrument panel wiring harness 1	—
KJG10	Floor wiring harness 1 to instrument panel wiring harness 1	—
KJGa01	Floor wiring harness 1 to instrument panel wiring harness 2	—
KJGa02	Floor wiring harness 1 to instrument panel wiring harness 2	—
KJKa01	Floor wiring harness 1 to floor wiring harness 2	—
KJKa02	Floor wiring harness 1 to floor wiring harness 2	—
KJKa03	Floor wiring harness 1 to floor wiring harness 2	—
KJKb01	Floor wiring harness 1 to floor wiring harness 1	—
KJKb02	Floor wiring harness 1 to floor wiring harness 1	—
KJKb03	Floor wiring harness 1 to floor wiring harness 1	—
KJKb04	Floor wiring harness 1 to floor wiring harness 1	—
KJKb05	Floor wiring harness 1 to floor wiring harness 1	—
KJP02	Floor wiring harness 1 to headliner wiring harness	—
KJP03	Floor wiring harness 1 to headliner wiring harness	—
KJP04	Floor wiring harness 1 to headliner wiring harness	—
KJP06	Floor wiring harness 1 to headliner wiring harness	—
KJR01	Floor wiring harness 1 to rear bumper wiring harness	—
KJT01	Floor wiring harness 1 to front left door wiring harness	—
KJT02	Floor wiring harness 1 to front left door wiring harness	—

KJT03	Floor wiring harness 1 to front left door wiring harness	—
KJU01	Floor wiring harness 1 to front right door wiring harness	—
KJU02	Floor wiring harness 1 to front right door wiring harness	—
KJU03	Floor wiring harness 1 to front right door wiring harness	—
KJV01	Floor wiring harness 1 to rear left door wiring harness	—
KJW01	Floor wiring harness 1 to rear right door wiring harness	—
KJY01	Floor wiring harness 1 connected to trunk lid wiring harness	—
KJY02	Floor wiring harness 1 connected to trunk lid wiring harness	—
KJY03	Floor wiring harness 1 connected to trunk lid wiring harness	—
KP10	Rear interior lights	—
KP10(A)	Rear left interior light	—
KP10(B)	Rear right interior light	—
KP18(C)	Rear left microphone	—
KP18(D)	Rear right microphone	—
KT20	Third-row seat adjustment switch I (left side wall shield)	—
KU20	Third-row seat adjustment switch I (right side wall shield)	—
KZ04_1	DC	—
Ka119(A)	Rear left suspension damping control module	—
Ka119(B)	Rear right suspension damping control module	—
Ka127(A)	Left electric running board	ELP
Ka42(A)	Rear left suspension height sensor	—

Ka42(B)	Rear right suspension height sensor	—
KaB101	Suspension control pump with fluid reservoir assembly - temperature sensor	—
KaB102	Suspension control pump with fluid reservoir assembly - pressure sensor	—
KaB54(D)	Solenoid valve EXV9	—
KaB55(E)	PT sensor	—
KaB99	Suspension control pump with fluid reservoir assembly-motor	—
KaJH01	Floor wiring harness 2 to rear powertrain wiring harness	—
KaJH02	Floor wiring harness 2 to rear powertrain wiring harness	—
KaJK01	Floor wiring harness 2 to floor wiring harness 1	—
KaJK02	Floor wiring harness 2 to floor wiring harness 1	—
KaJK03	Floor wiring harness 2 to floor wiring harness 1	—
KaJKd03	Floor wiring harness 2 to rear left wheel speed sensor wiring harness	—
KaJKe03	Floor wiring harness 2 to rear right wheel speed sensor wiring harness	—
KaJNc01	Floor wiring harness 2 to fuel tank wire	—
KaK118(A)	Rear left coil spring stiffness solenoid valve	—
KaK118(B)	Rear right coil spring stiffness solenoid valve	—
Kd08(A)	Rear left wheel speed sensor	—
Kd57(A)	Rear left EPB motor	—
KdJKa03	Rear left wheel speed sensor wiring harness to floor wiring harness 2	—
Ke08(B)	Rear right wheel speed sensor	—
Ke57(B)	Rear right EPB motor	—

KeJKa03	Rear right wheel speed sensor wiring harness to floor wiring harness 2	—

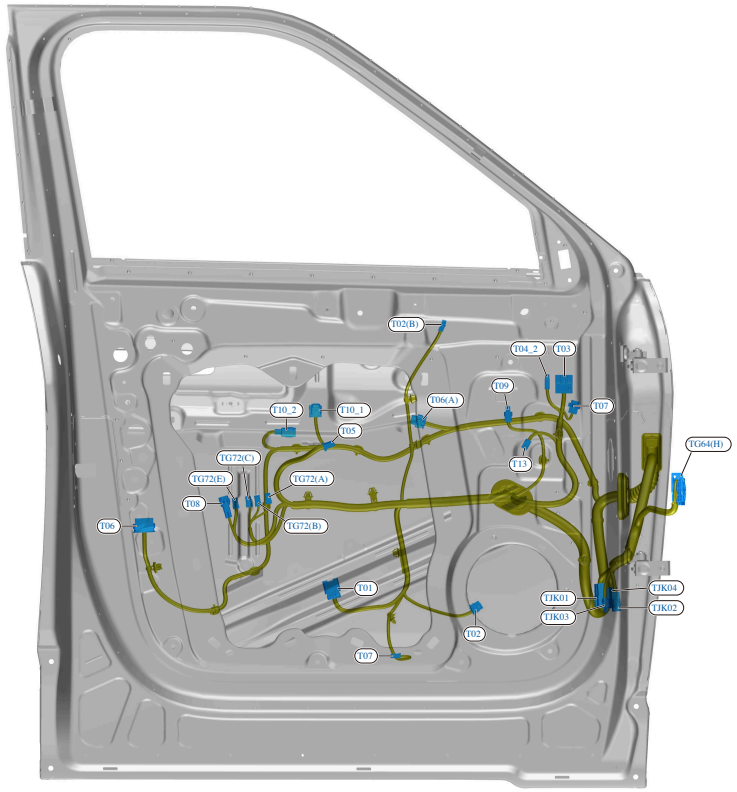
Layout of rear powertrain wiring harness



Plug code	Component name	Configuration
Eh01	#1 GND	ALL
Eh02	#2 GND	ALL
HB29	Coolant temperature sensor	ALL

HB81	Rear three-in-one electronic oil pump	ALL
HJKa01	Rear powertrain wiring harness to floor wiring harness II	ALL
HJKa02	Rear powertrain wiring harness to floor wiring harness II	ALL
HK76	Rear drive MCU system	ALL
HK122	Rear motor differential lock	ALL
HK123	Gearshift motor control unit	ALL
HK124	Differential position sensor	ALL
HK125	Shift actuator locking motor	ALL

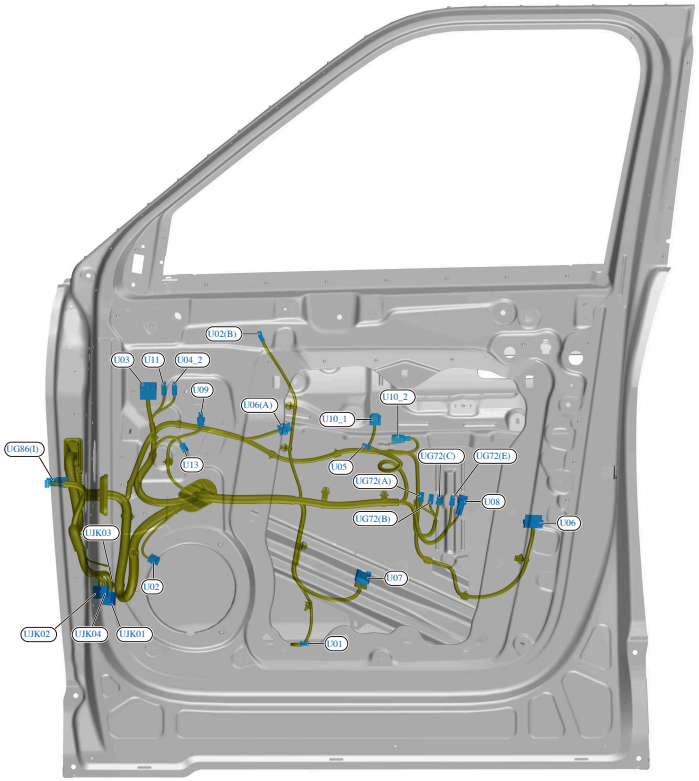
Layout of front left door wiring harness



Plug coding	Function description	Configuration
T01	Front left window regulator motor	—
T02	Front left door low-pitch speaker	18SPKS
T02(B)	Front left door mid-pitch speaker	18SPKS

T03	Left rearview mirror assembly	—
T04_2	Front left door panoramic view camera	5R1V
T05	Front left window regulator switch	—
T06	Front left door lock	—
T06(A)	Left front door soft close lock motor	—
T07	Front left door light	—
T08	Front left door detection antenna	—
T09	Front left pressure sensor	—
T10_1	Front left flush door handle	—
T10_2	Front left flush door handle	—
T11	Smart access controller	UWB
T13	Front left door electronic switch	—
TG64(H)	Left domain control unit	—
TG72(A)	Front left door ambient light	—
TG72(B)	Front left door ambient light	—
TG72(C)	Front left door ambient light	—
TG72(E)	Front left door ambient light	—
TJK01	Front left door wiring harness to floor wiring harness 1	—
TJK02	Front left door wiring harness to floor wiring harness 1	—
TJK03	Front left door wiring harness to floor wiring harness 1	—

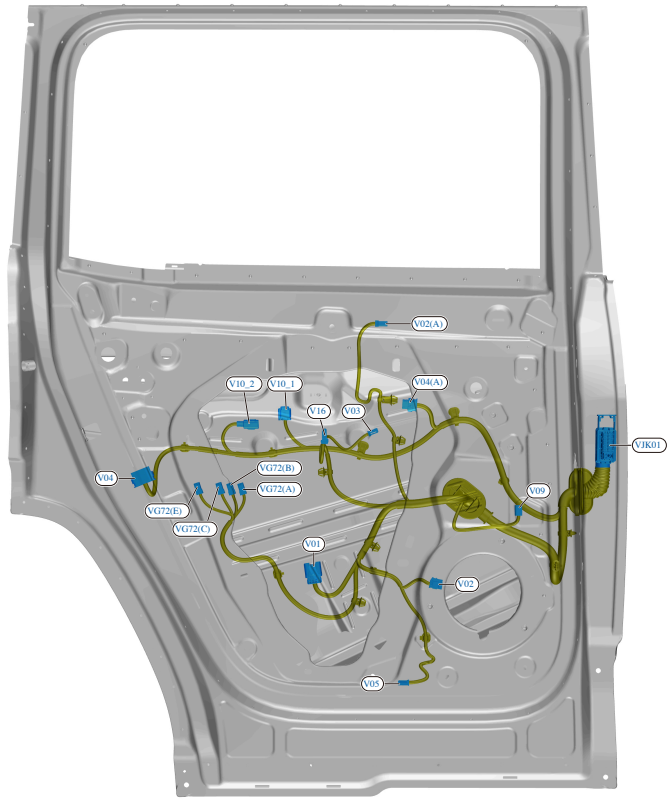
Layout of front right door wiring harness



Plug coding	Function description	Configuration
U01	Front right window regulator motor	—
U02	Front right door low-pitch speaker	18SPKS
U02(B)	Front right door mid-pitch speaker	18SPKS

U03	Right rearview mirror assembly	—
U04_2	Front right door panoramic view camera	5R1V
U05	Front right window regulator switch	—
U06	Rear right door lock	—
U06(A)	Front right door closing lock motor	—
U07	Front right door light	—
U08	Front right door detection antenna	—
U09	Front right pressure sensor	—
U10_1	Front right flush door handle	—
U10_2	Front right flush door handle	—
U11	Smart access controller	UWB
U13	Front right door electronic switch	—
UG72(A)	Front right door ambient light	—
UG72(B)	Front right door ambient light	—
UG72(C)	Front right door ambient light	—
UG72(E)	Front right door ambient light	—
UG86(I)	Right domain control unit	—
UJK01	Front right door wiring harness to floor wiring harness 1	—
UJK02	Front right door wiring harness to floor wiring harness 1	—
UJK03	Front right door wiring harness to floor wiring harness 1	—

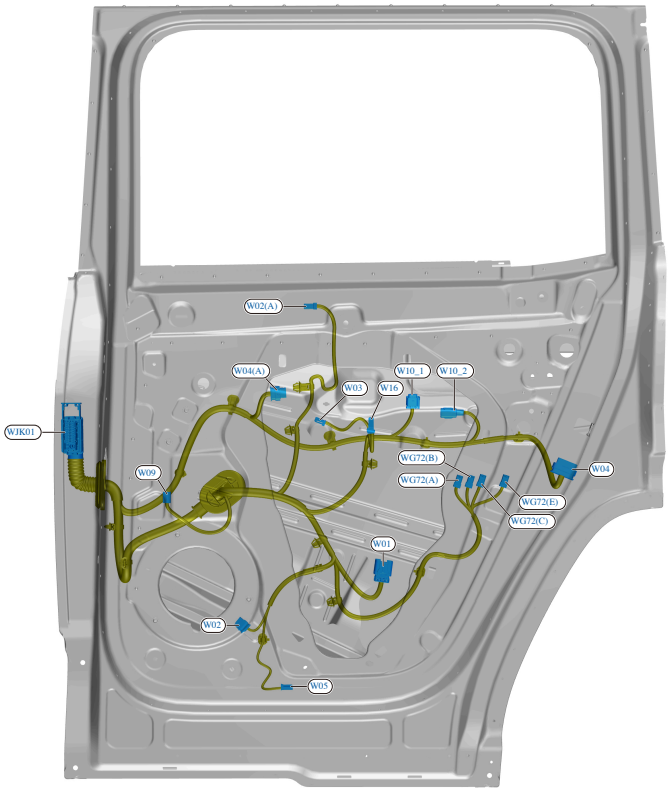
Layout of rear left door wiring harness



Plug code	Component name	Configuration
V01	Rear left window motor	ALL
V02	Rear left door low-pitch speaker	18SPKS
V02(A)	Rear left door high-pitch speaker	18SPKS

V03	Rear left window regulator switch	ALL
V04	Rear left door lock motor	ALL
V04(A)	Left rear door Closing actuator	ALL
V05	Rear left door light	ALL
V09	Rear left electronic handle switch	ALL
V10	Left rear hidden door handle	ALL
V16	Rear left door custom switch	ALL
VG72(A)	Rear left door ambient light	ALL
VG72(B)	Rear left door ambient light	ALL
VG72(C)	Rear left door ambient light	ALL
VG72(E)	Rear left door ambient light	ALL
VJK01	Rear left door wiring harness connected to floor wiring harness I	ALL

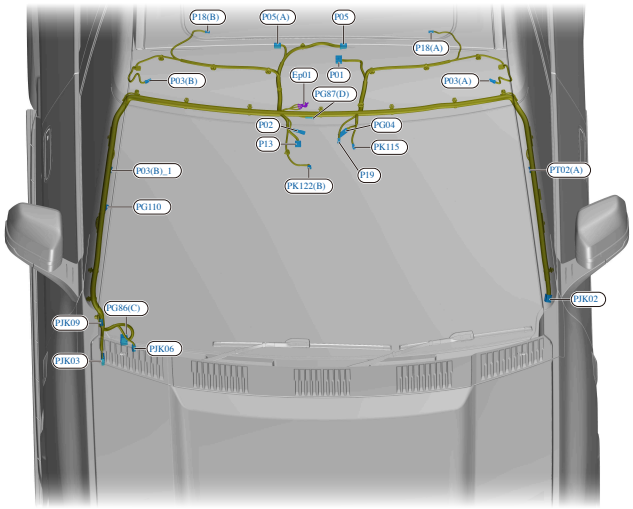
Layout of rear right door wiring harness



Plug code	Component name	Configuration
W01	Rear right window motor	ALL
W02	Rear right door low-pitch speaker	18SPKS
W02(A)	Rear right door high-pitch speaker	18SPKS

W03	Rear right window regulator switch set	ALL
W04	Rear right door lock motor	ALL
W04(A)	Right rear door closing actuator	ALL
W05	Rear left door light	ALL
W09	Rear right electronic handle switch	ALL
W10	Rear right hidden door handle	ALL
W16	Rear right door custom switch	ALL
WG72(A)	Rear right door ambient light	ALL
WG72(B)	Rear right door ambient light	ALL
WG72(C)	Rear right door ambient light	ALL
WG72(E)	Rear right door ambient light	ALL
WJK01	Rear door wiring harness connected to floor wiring harness I	ALL

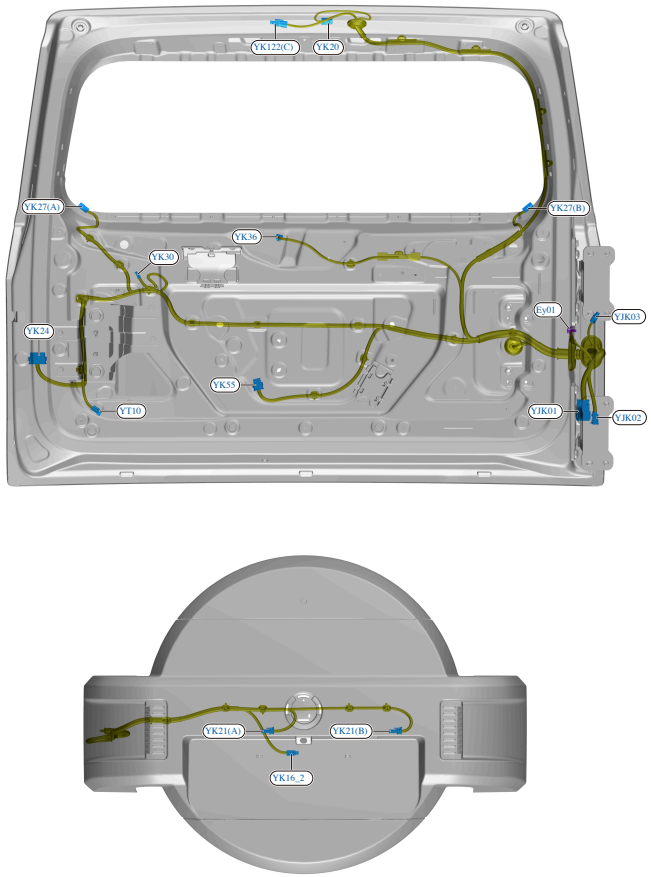
Layout of headliner wiring harness



Plug coding	Function description	Configuration
Ep01	GND point	—
P01	Front interior light	—
P02	Anti-glare interior rearview mirror	PGRM

P03(A)	Left vanity mirror light	VMLP2
P03(B)	Right vanity mirror light	VMLP2
P05	Sunroof motor	—
P05(A)	Sunshade motor	—
P13	Multi-purpose camera (MPC)	5R1V
P18(A)	Front left active noise reduction microphone	PAD8475
P18(B)	Front right active noise reduction microphone	PAD8475
P19	Front windshield camera heating	—
PG04	Four-in-one sensor	—
PG86(C)	Right domain control unit	—
PG87(D)	Terminal resistor	—
PJK02	Headliner wiring harness to floor wiring harness 1	—
PJK03	Headliner wiring harness to floor wiring harness 1	—
PJK04	Headliner wiring harness to floor wiring harness 1	—
PJK06	Headliner wiring harness to floor wiring harness 1	—
PK115	Streaming media interior rearview mirror	SMERM
PK122(B)	Streaming media camera	SMERM
PT02(A)	Front left A-pillar high-pitch speaker	18SPKS
PU02(A)	Front right A-Pillar high-pitch speaker	18SPKS

Layout of trunk lid wiring harness

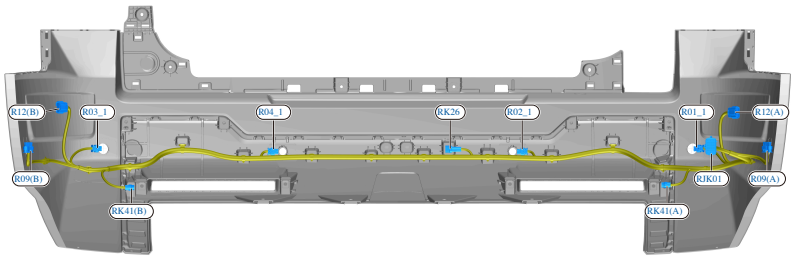


Plug code	Component name	Configuration
YJK01	Trunk lid wiring harness connects to floor wiring harness I	ALL
YJL03	Trunk lid wiring harness connects to floor wiring harness I	SMERM
YJK05	Trunk lid wiring harness to floor wiring harness	SCS

YJK20	Trunk lid wiring harness to floor wiring harness	3R11V
Y01(A)	Satellite communication assembly	SCS
Y01(B)	Satellite communication assembly	SCS
Y01(C)	Satellite communication assembly	SCS
Y02	Satellite communication antenna	SCS
Y02(A)	Satellite communication antenna	SCS
YT10	Trunk lid handle	ALL
YK16	Panoramic rear-view camera	5R10V
YK16_4	Panoramic rear-view camera	3R11V
YK16(A)	Streaming media camera	SMERM
YK16（C)	ADAS rear camera	5R10V
YK16(C)_4	Rear surround view camera	3R11V
YK20	High-mount stop light	ALL
YK21(A)	Left license plate light	ALL
YK21(B)	Right license plate light	ALL
YK23	Rear logo light	ALL
YK24	Trunk lid door lock	ALL
YK27(A)	Rear defroster right power supply	ALL
YK27(B)	Rear left defroster GND	ALL
YK30	Trunk lid microswitch	ALL
YK36	Rear wiper motor	！ SCS

YK55	Trunk lid closing actuator	ALL
Ey01	#1 GND	ALL

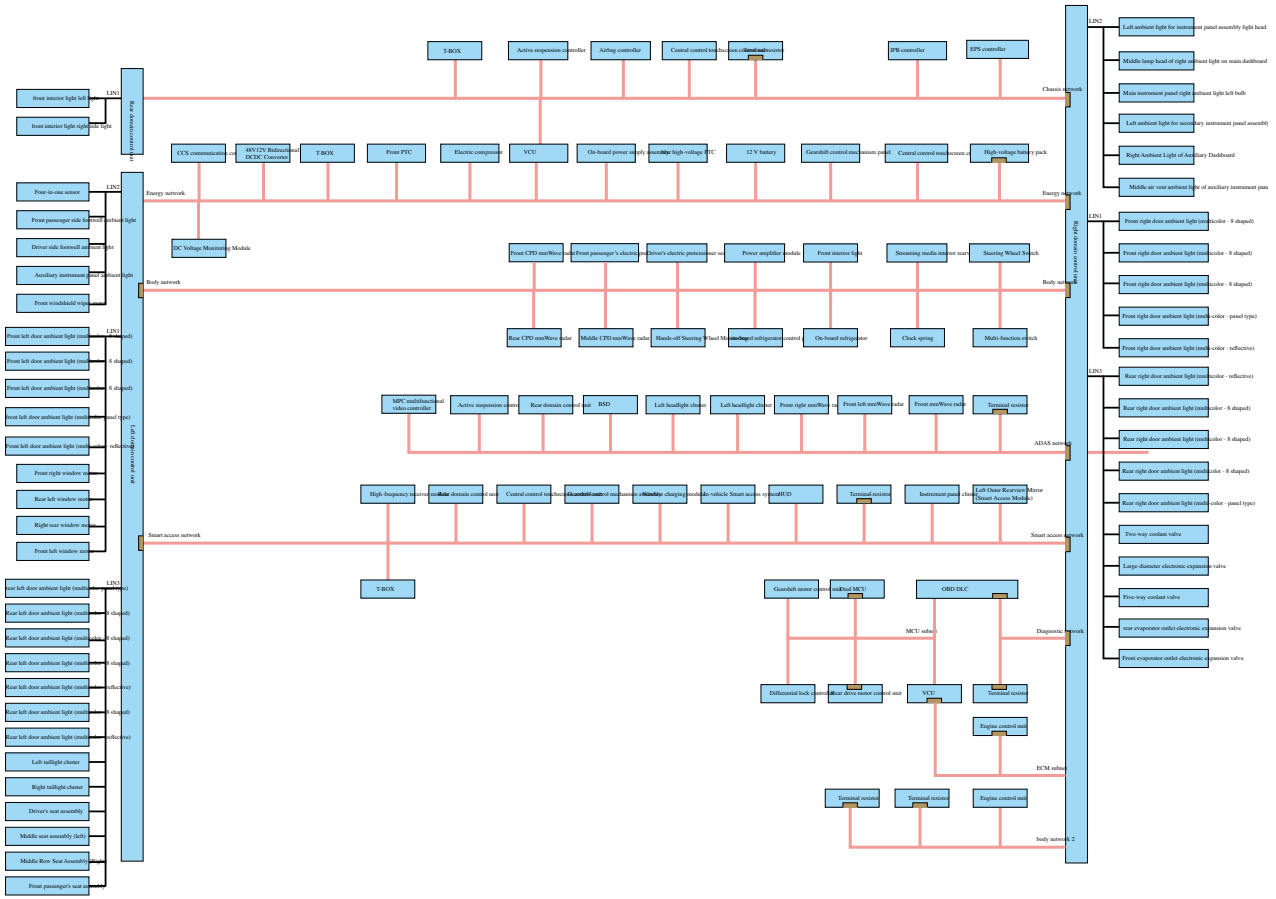
Layout of rear bumper wiring harness



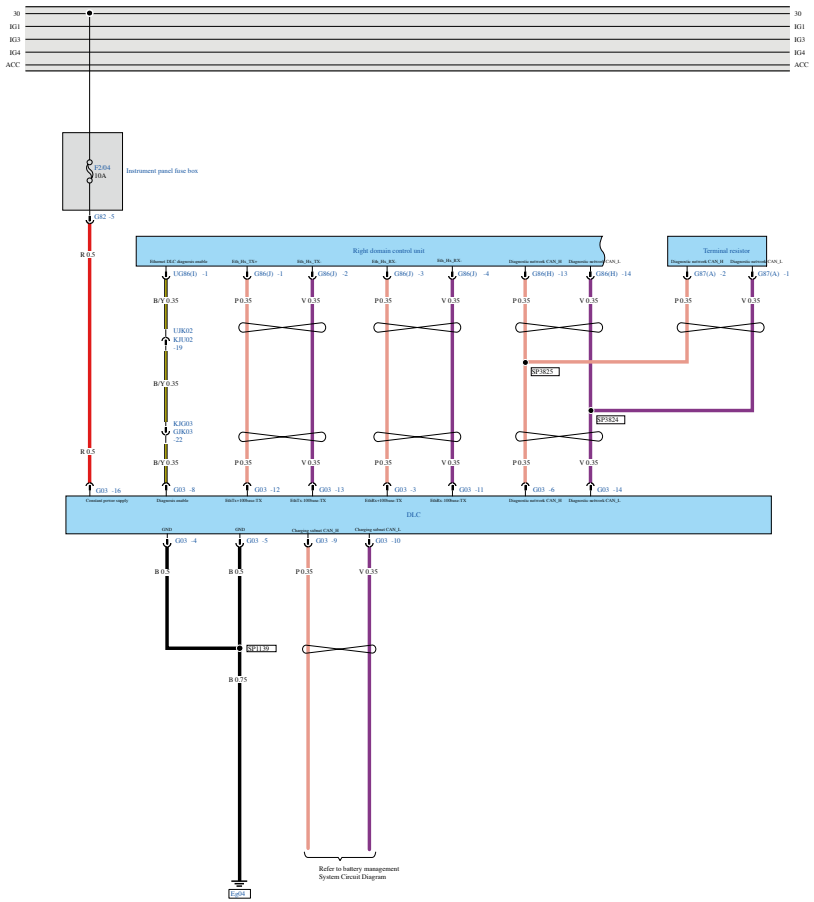
Plug coding	Function description	Configuration
R01_1	Rear left corner small probe	FRD
R02_1	Rear left middle small probe	FRD
R03_1	Rear right corner small probe	FRD

R04_1	Rear middle right small probe	FRD
R09(A)	Rear left UWB anchor	UWB
R09(B)	Rear right UWB anchor	UWB
R12(A)	Rear left mmWave radar	5R1V
R12(B)	Rear right mmWave radar	5R1V
RJK01	Rear bumper wiring harness to floor wiring harness 1	—
RK26	Trunk lid detection antenna	—
RK41(A)	Rear left fog light	—
RK41(B)	Rear right fog light	—

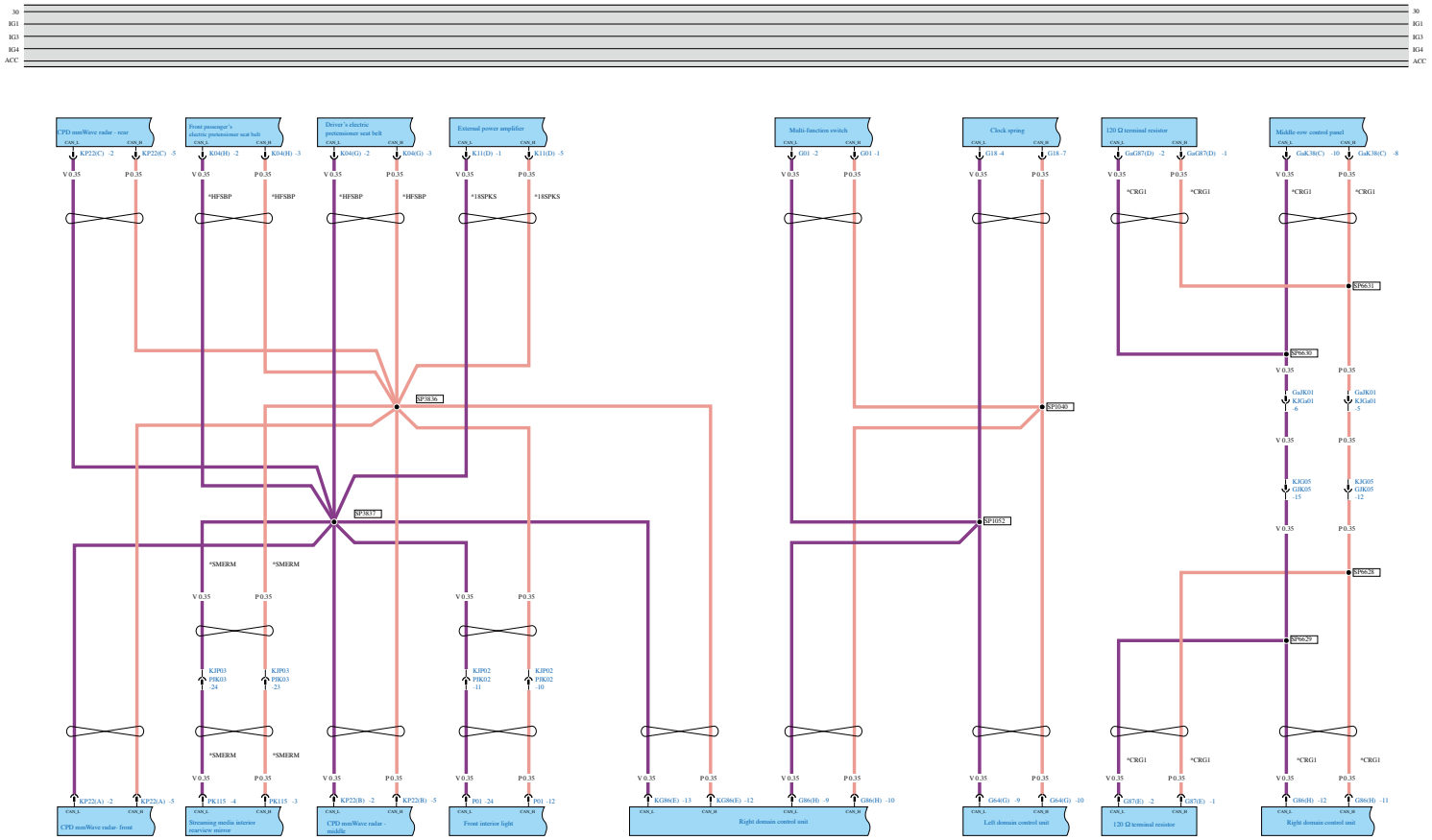
Bus topology diagram



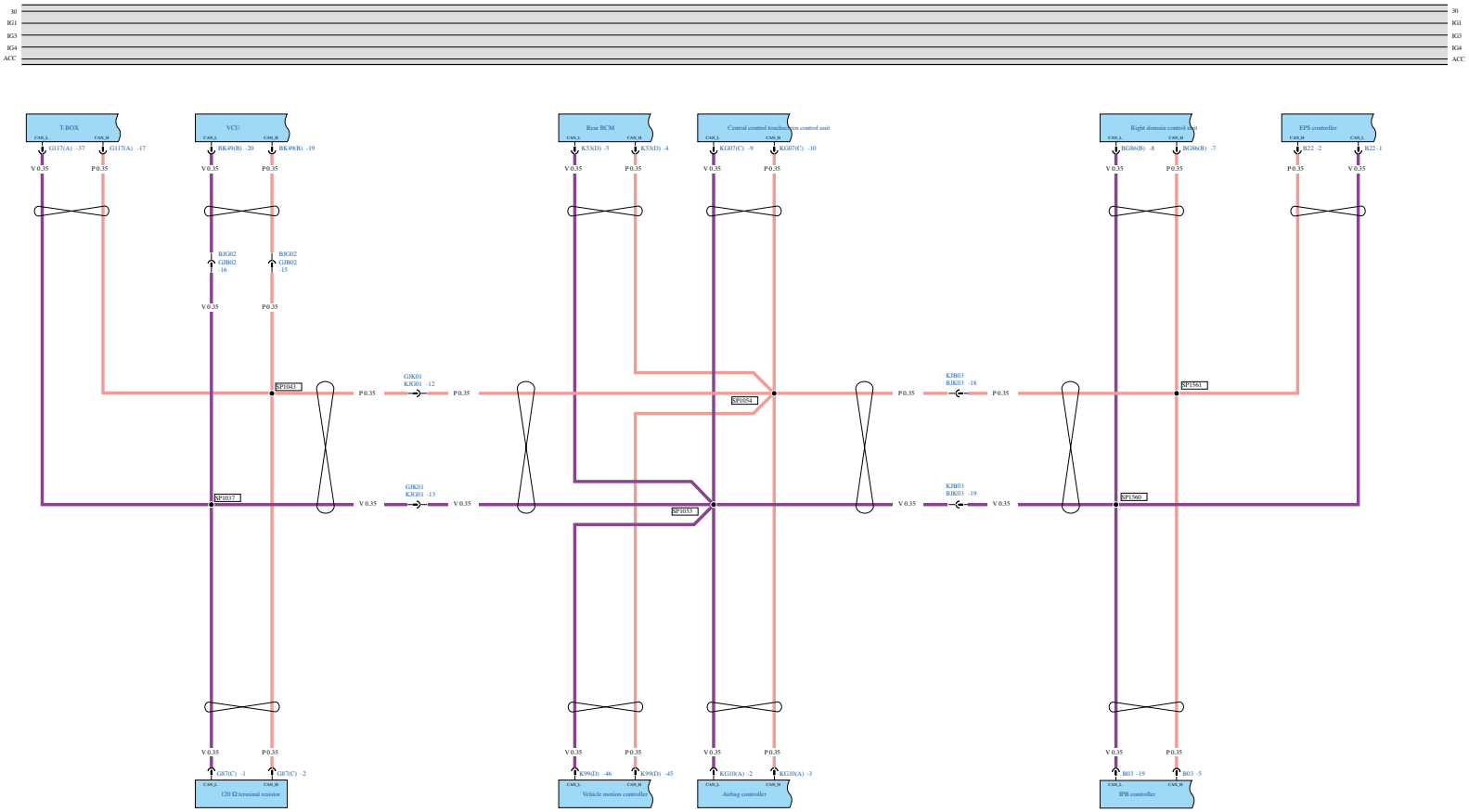
Circuit diagram of OBD DLC system



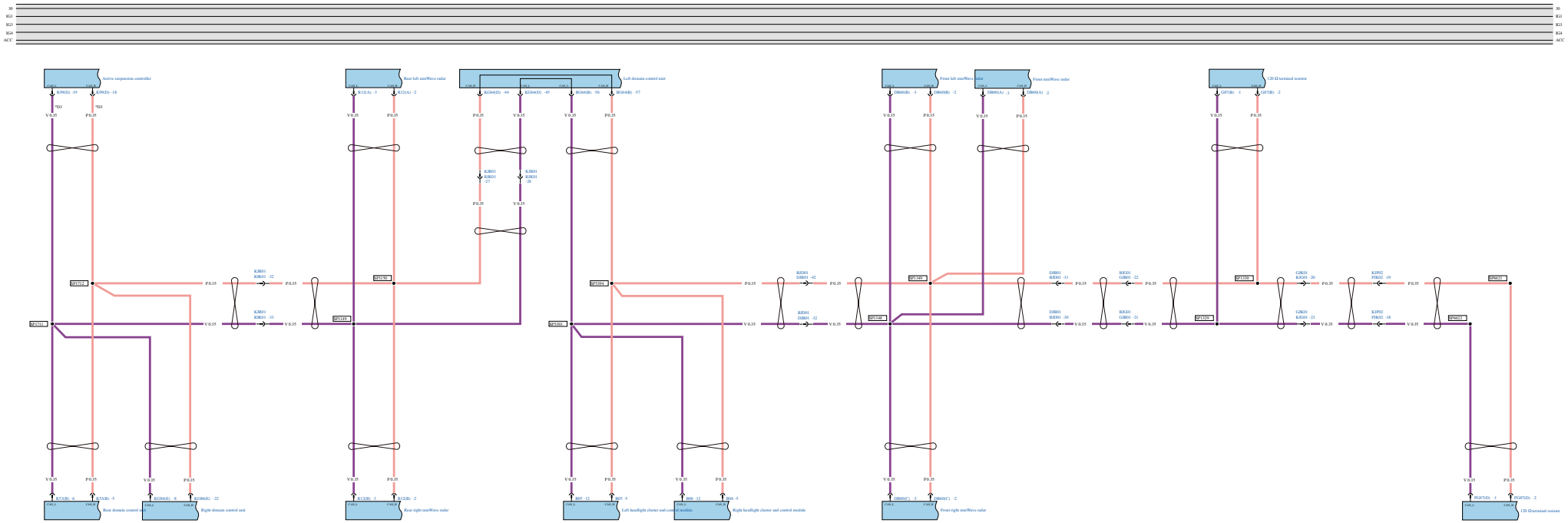
Circuit diagram of body network system



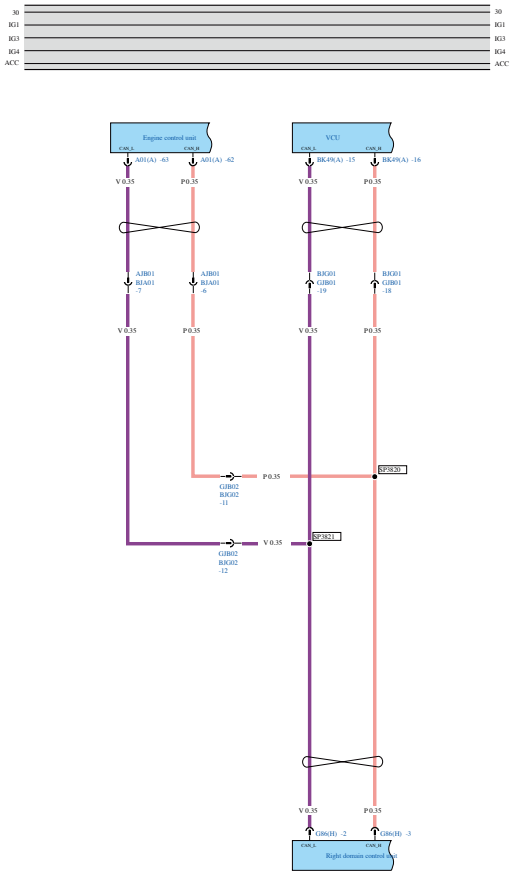
Circuit diagram of chassis network system



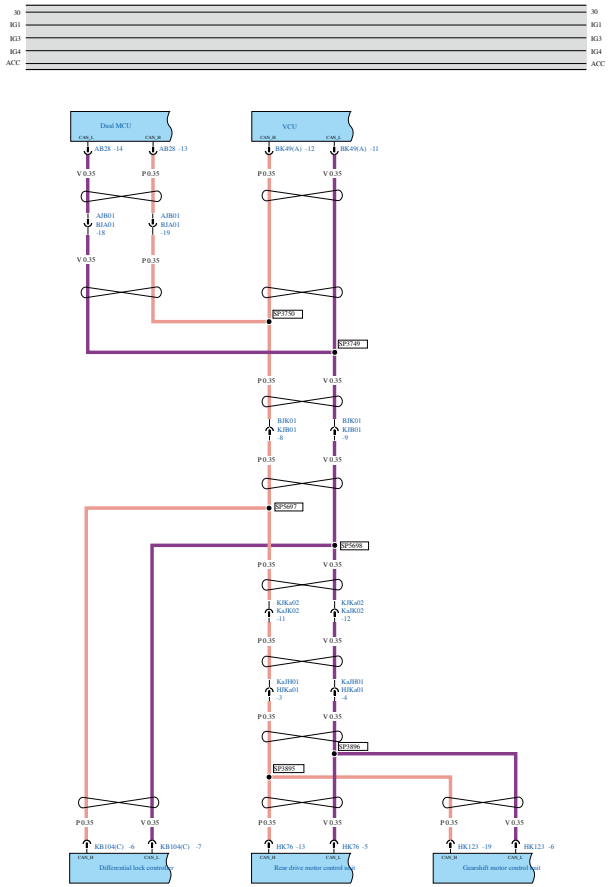
Vehicle Control Network System Circuit Diagram



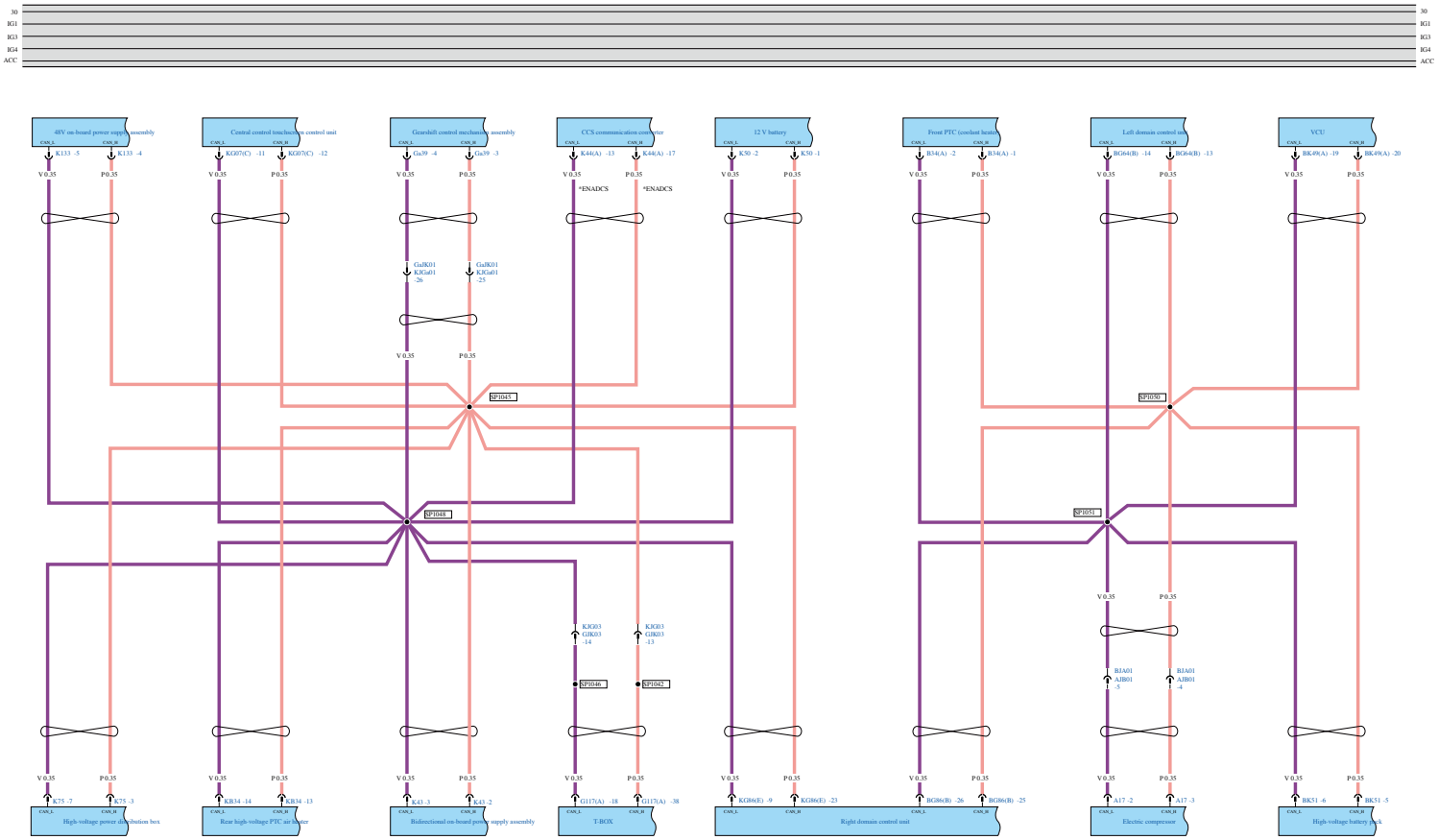
Electronic fuel injection network system circuit diagram



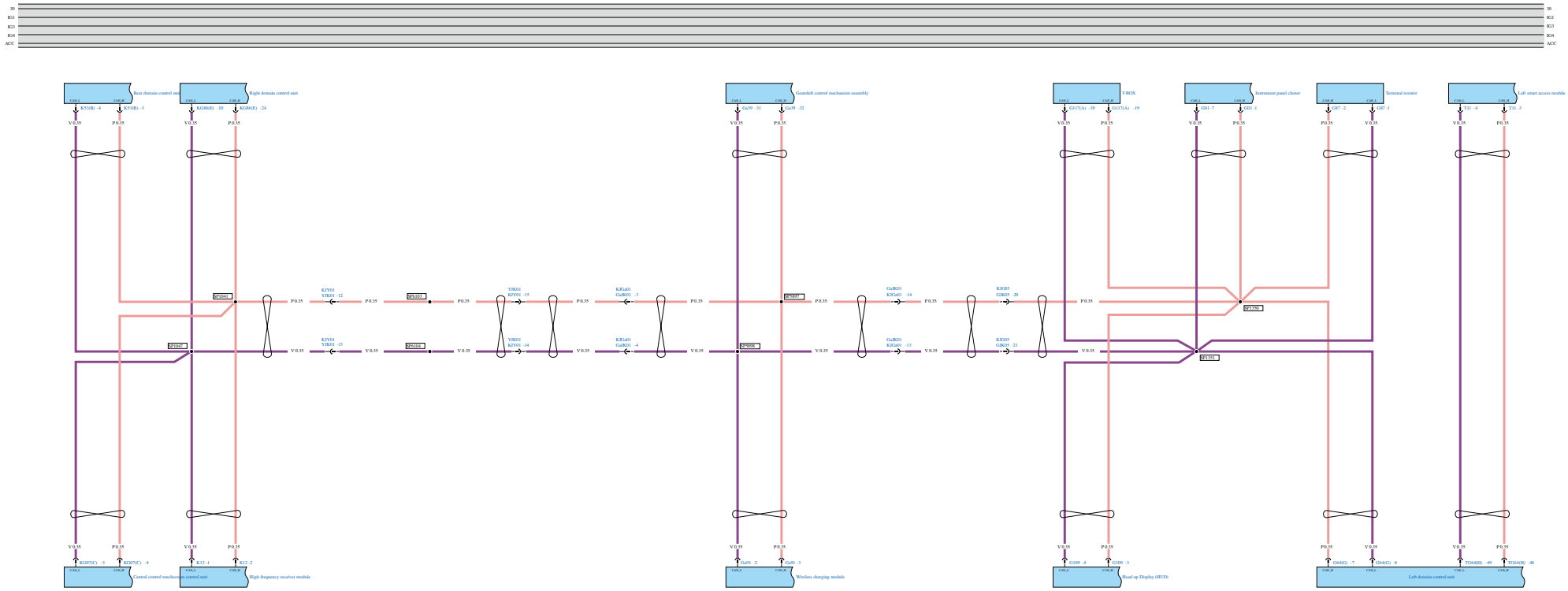
MCU subnet system circuit diagram



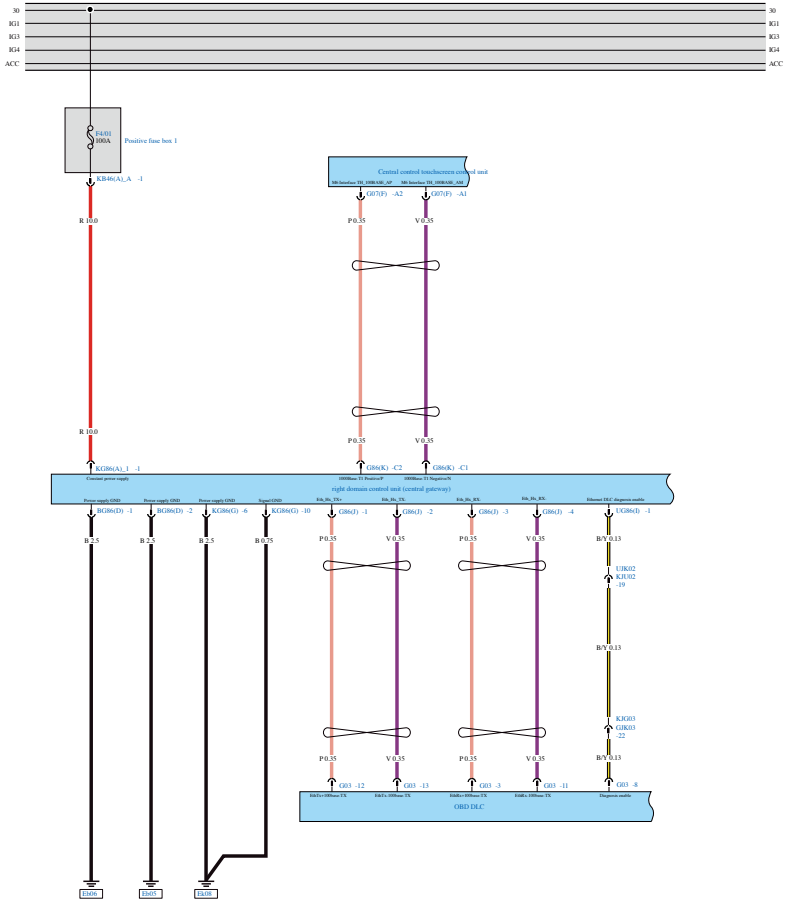
Circuit diagram of energy network system



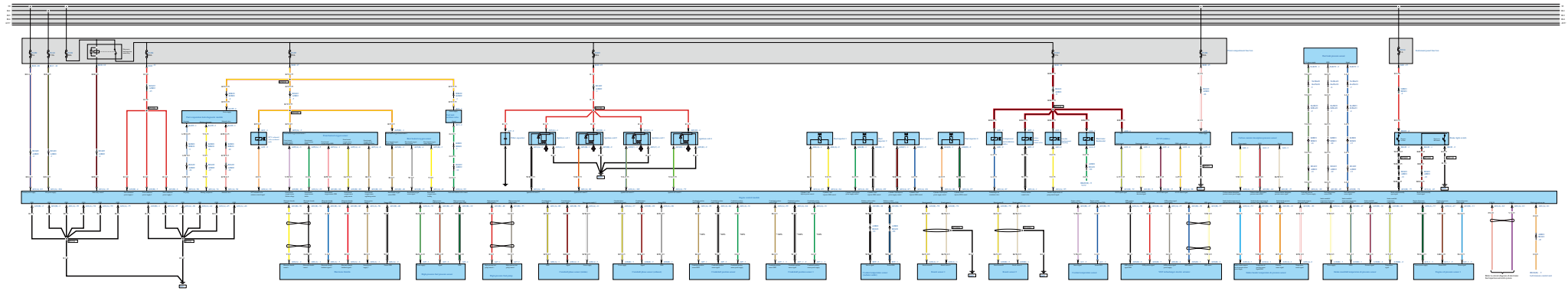
Circuit diagram of smart access network system



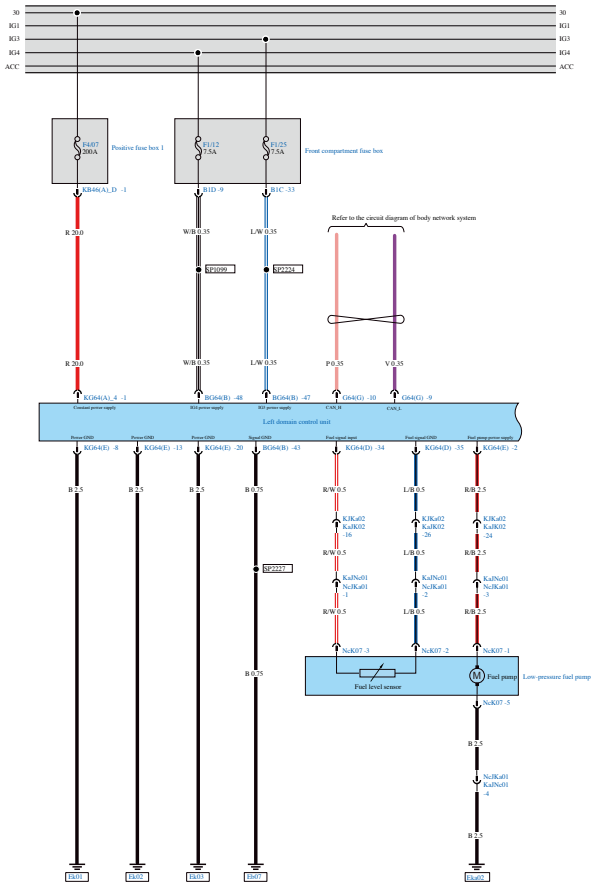
Central Gateway System Circuit Diagram



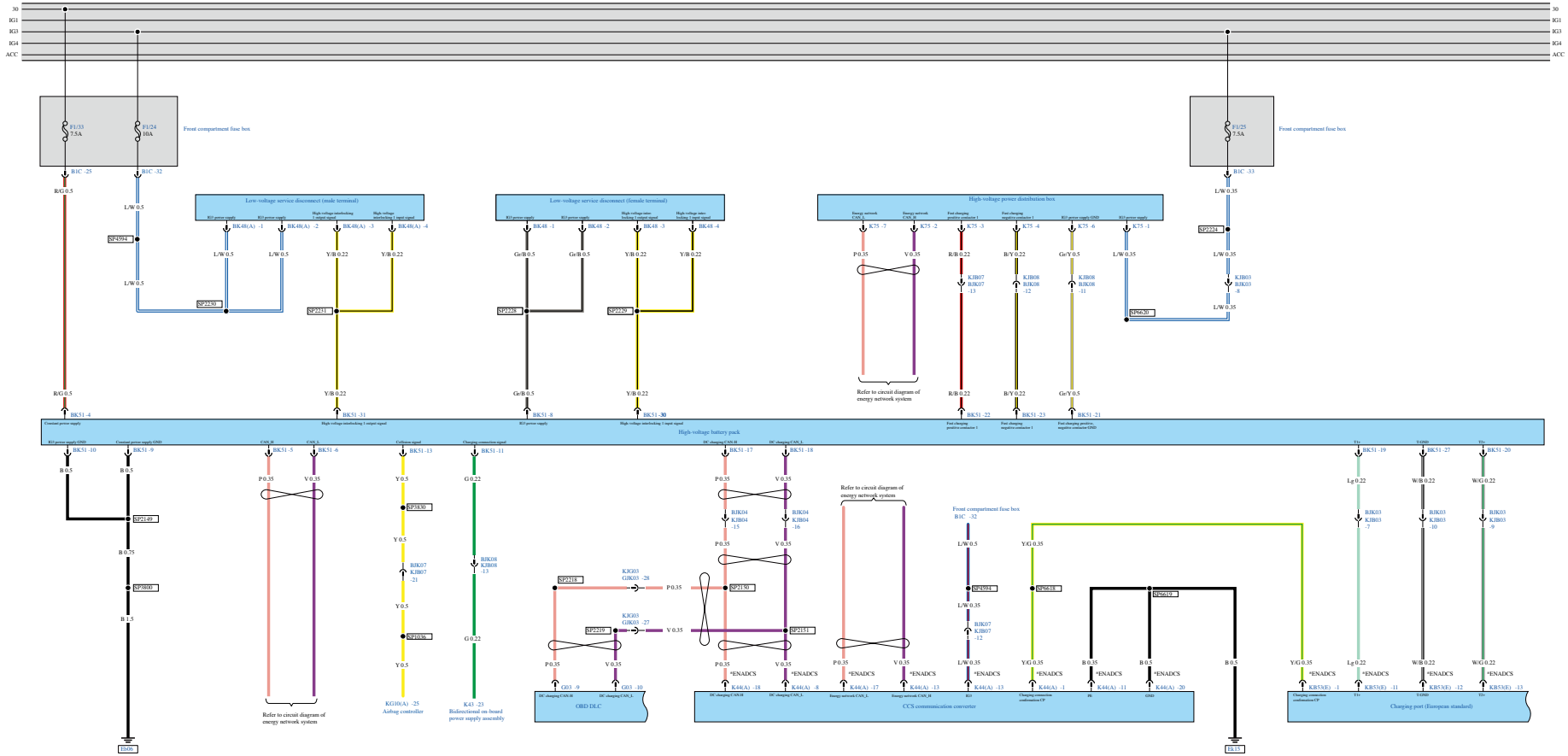
Circuit diagram of engine system



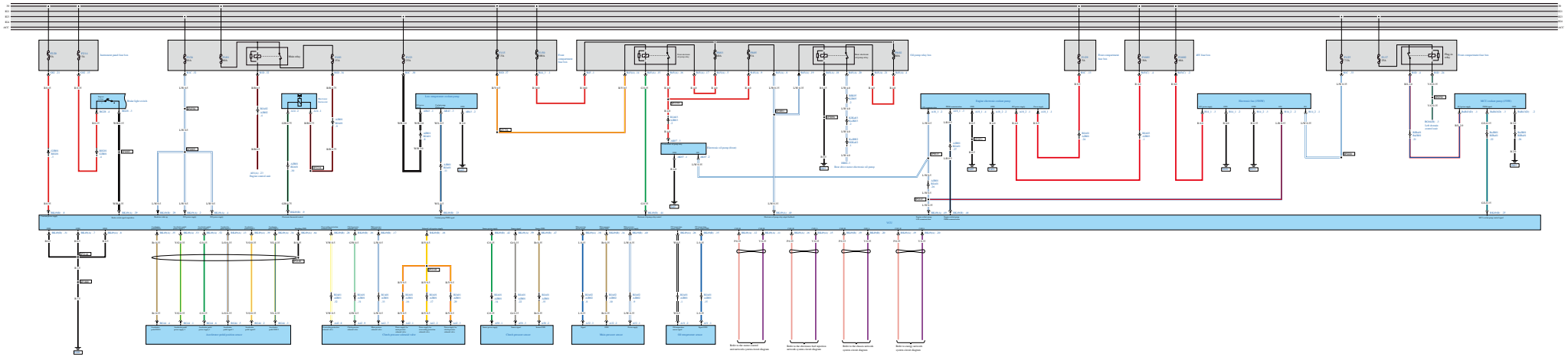
Circuit Diagram of Fuel Pump System



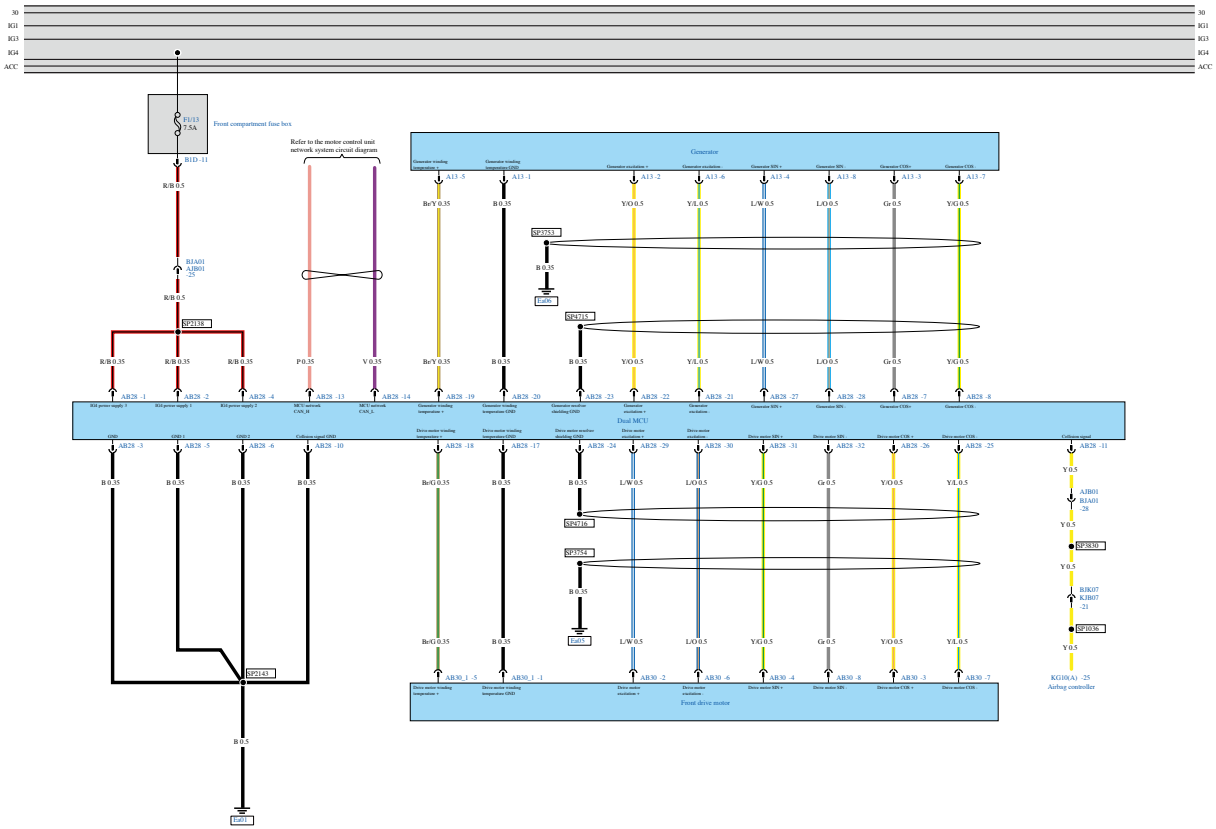
Circuit diagram of battery management system



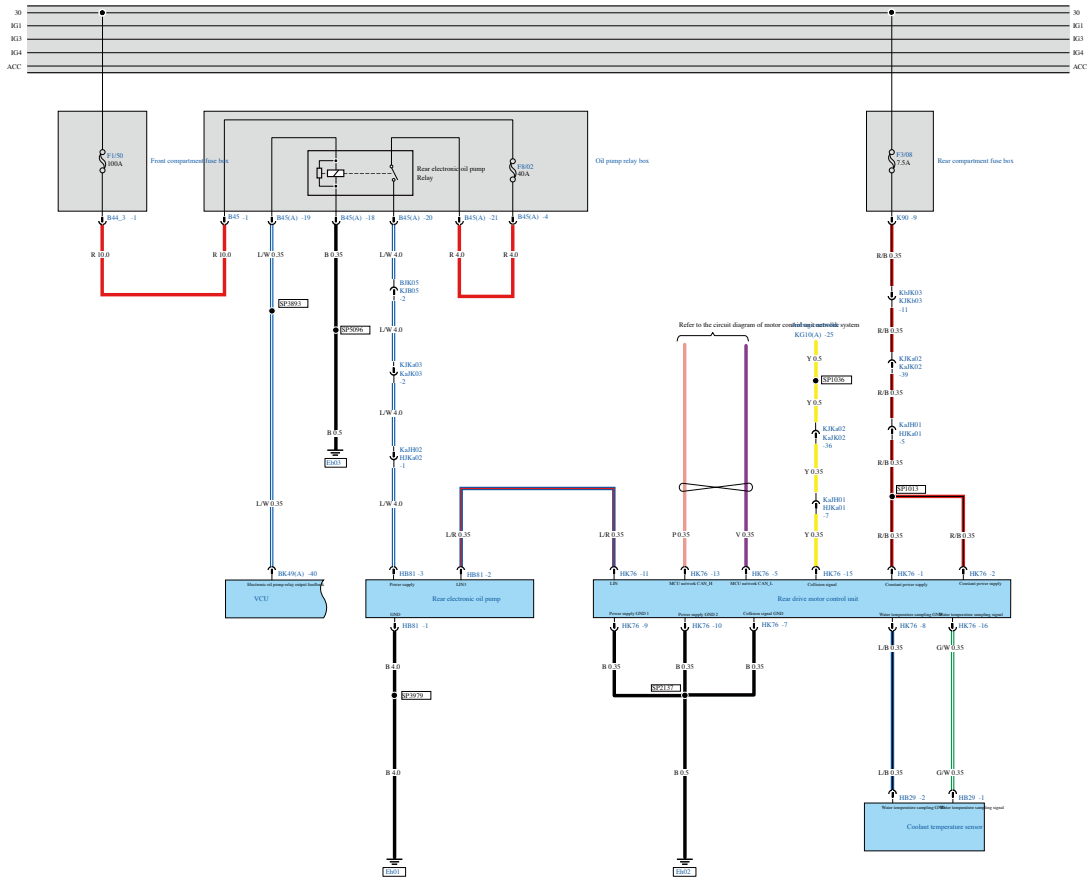
Vehicle control system circuit diagram



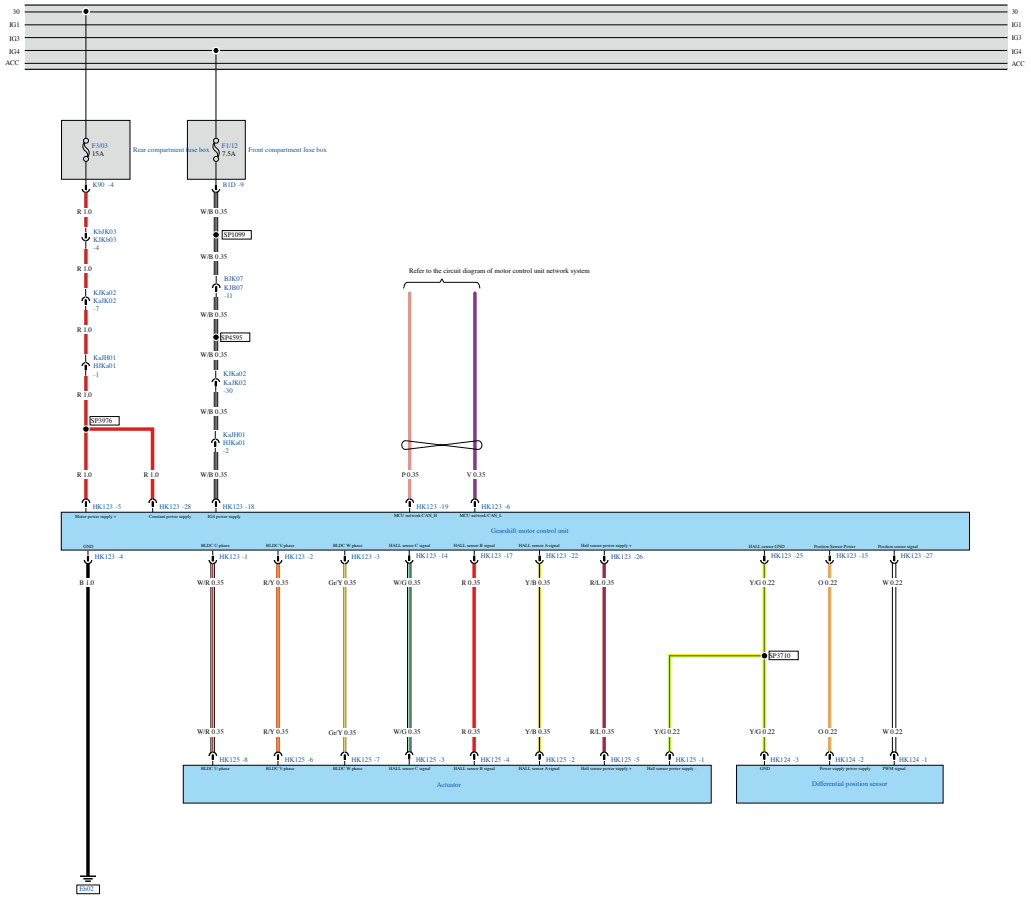
Circuit diagram of dual MCU assembly



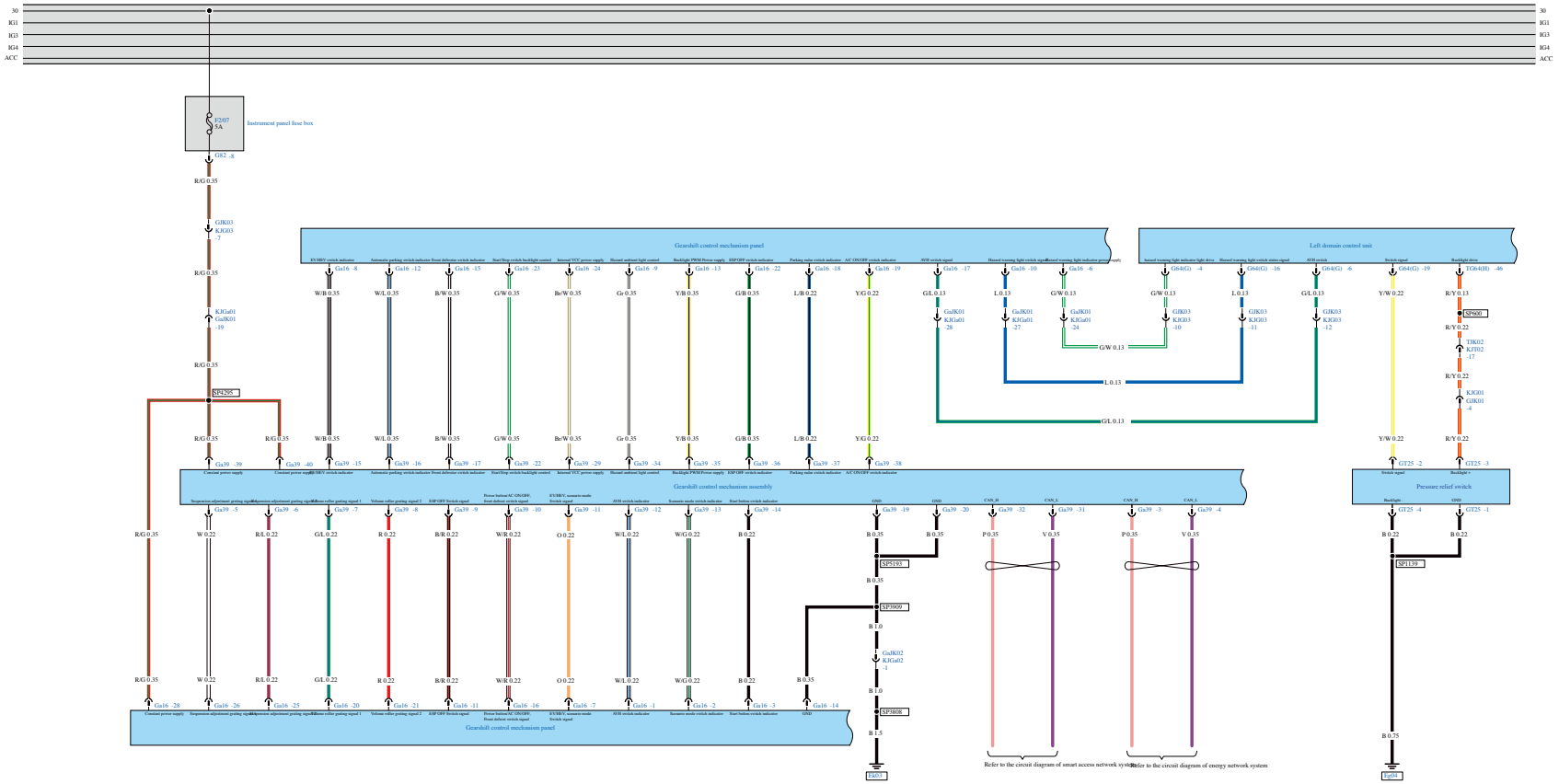
Circuit diagram of rear drive MCU system



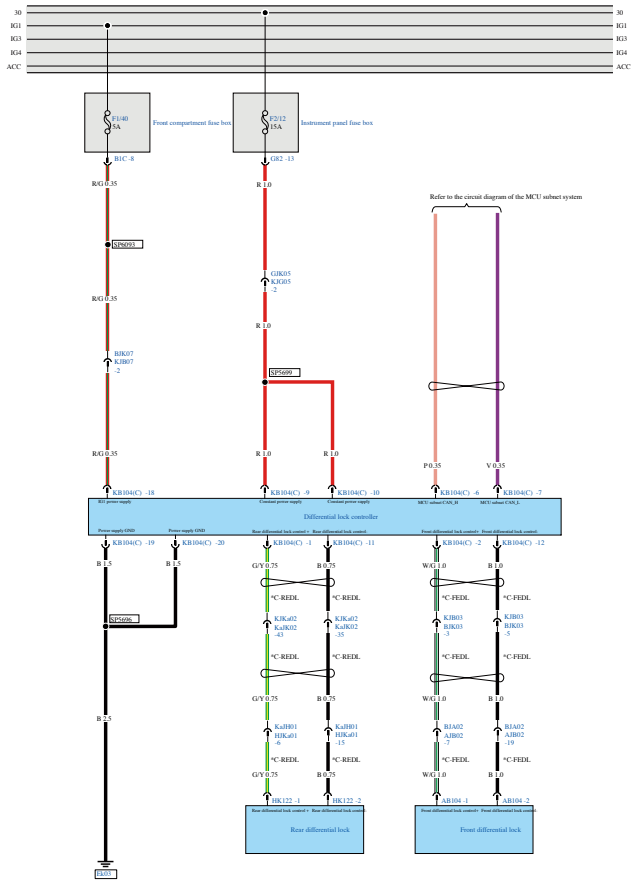
Circuit diagram of gearshift motor control system



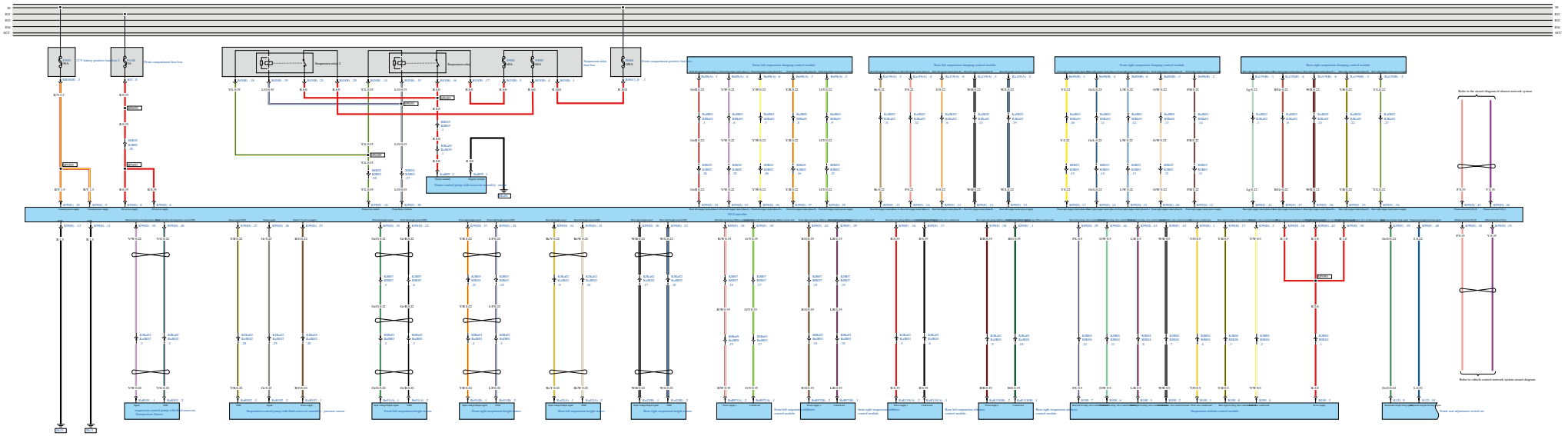
Gearshift control mechanism and panel system circuit diagram



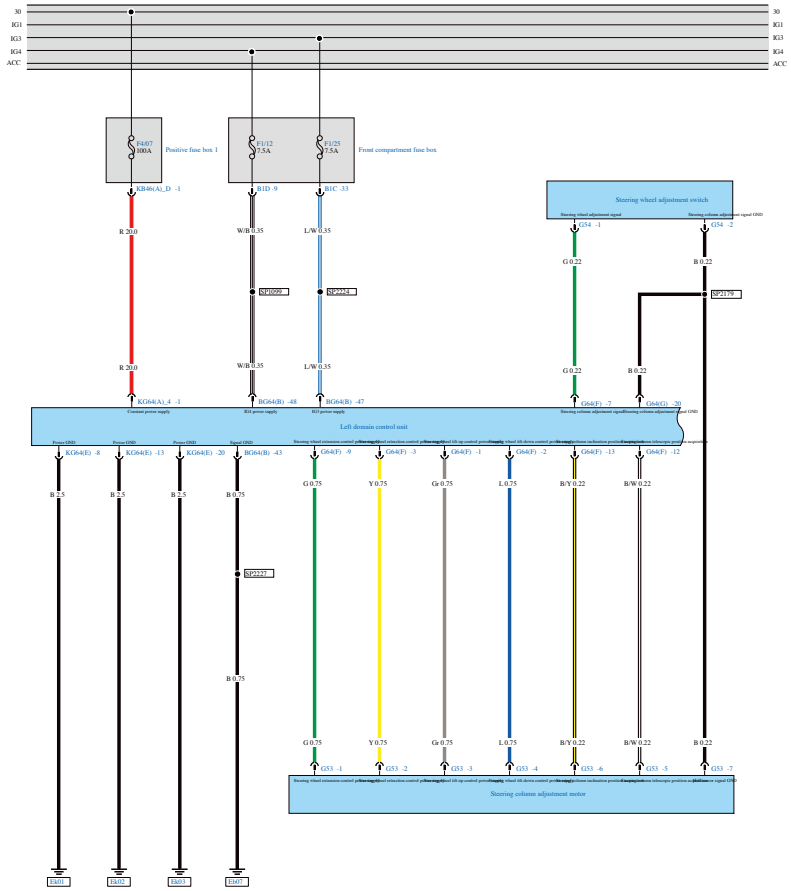
Differential lock controller system circuit diagram



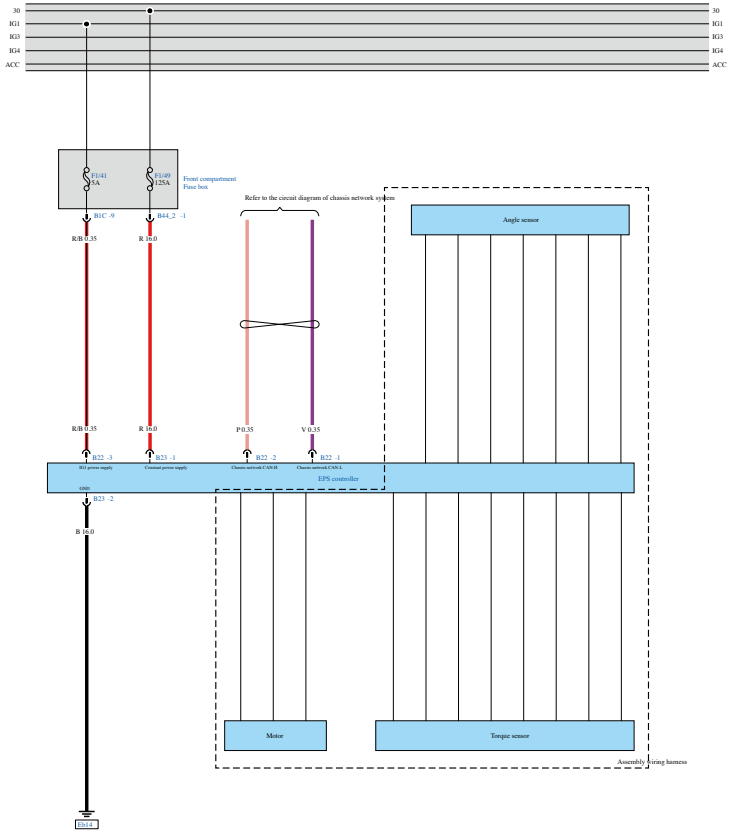
Vehicle motion controller system circuit diagram



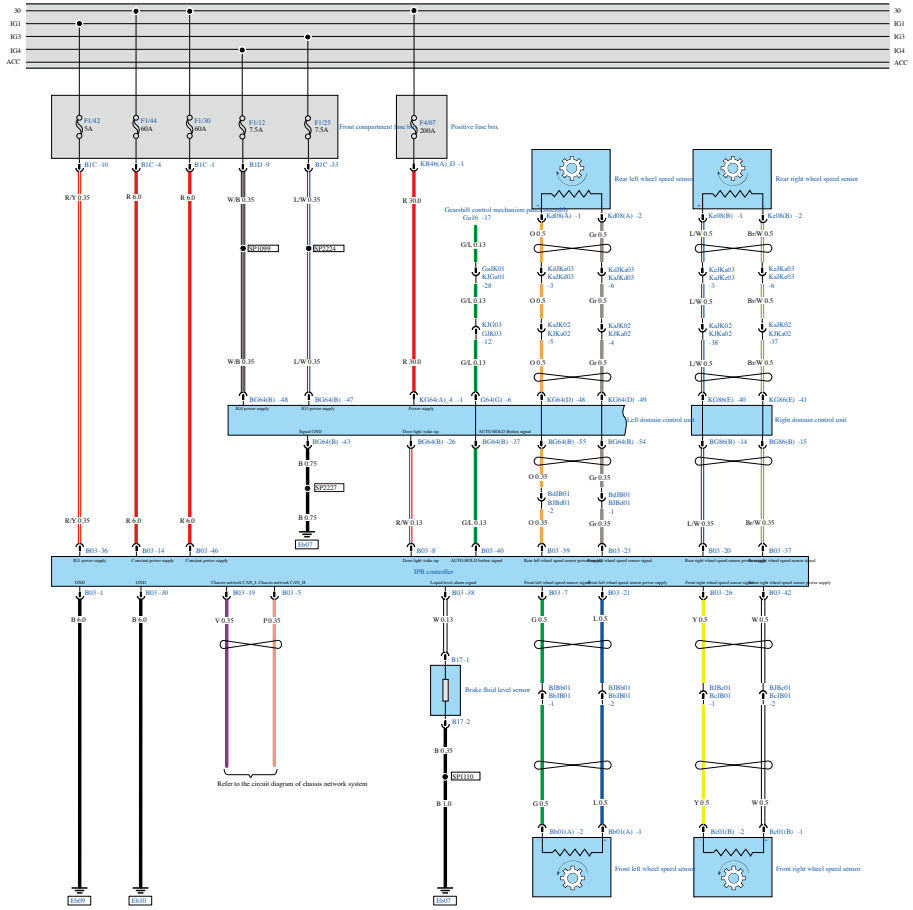
Electric steering column system circuit diagram



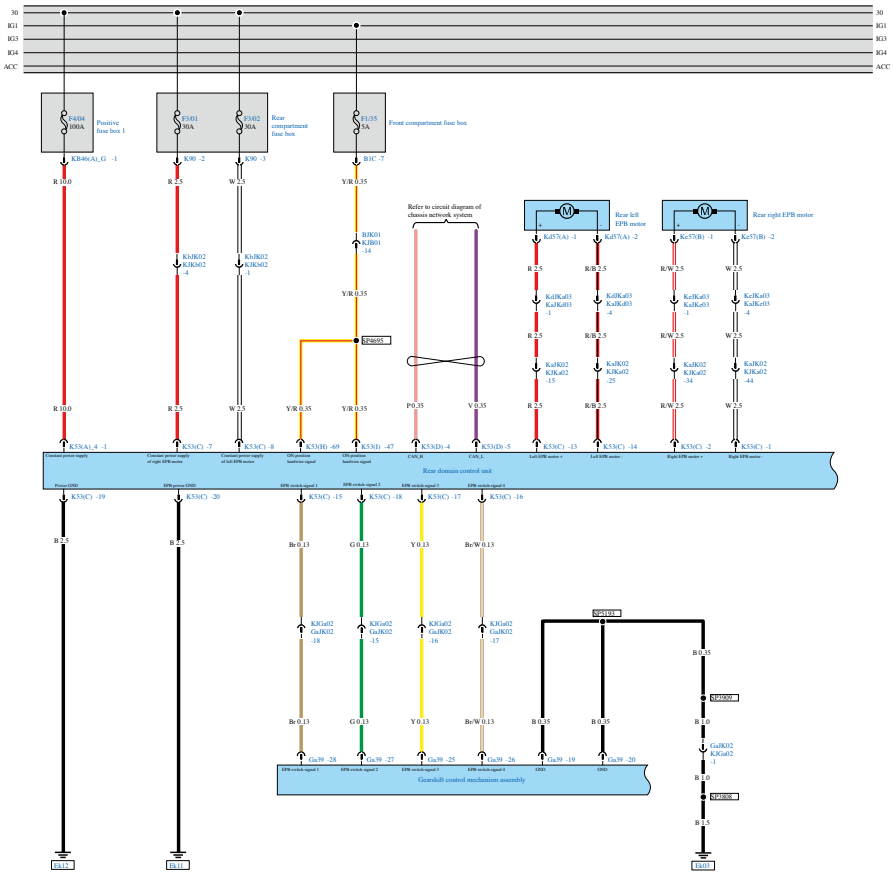
EPS circuit diagram



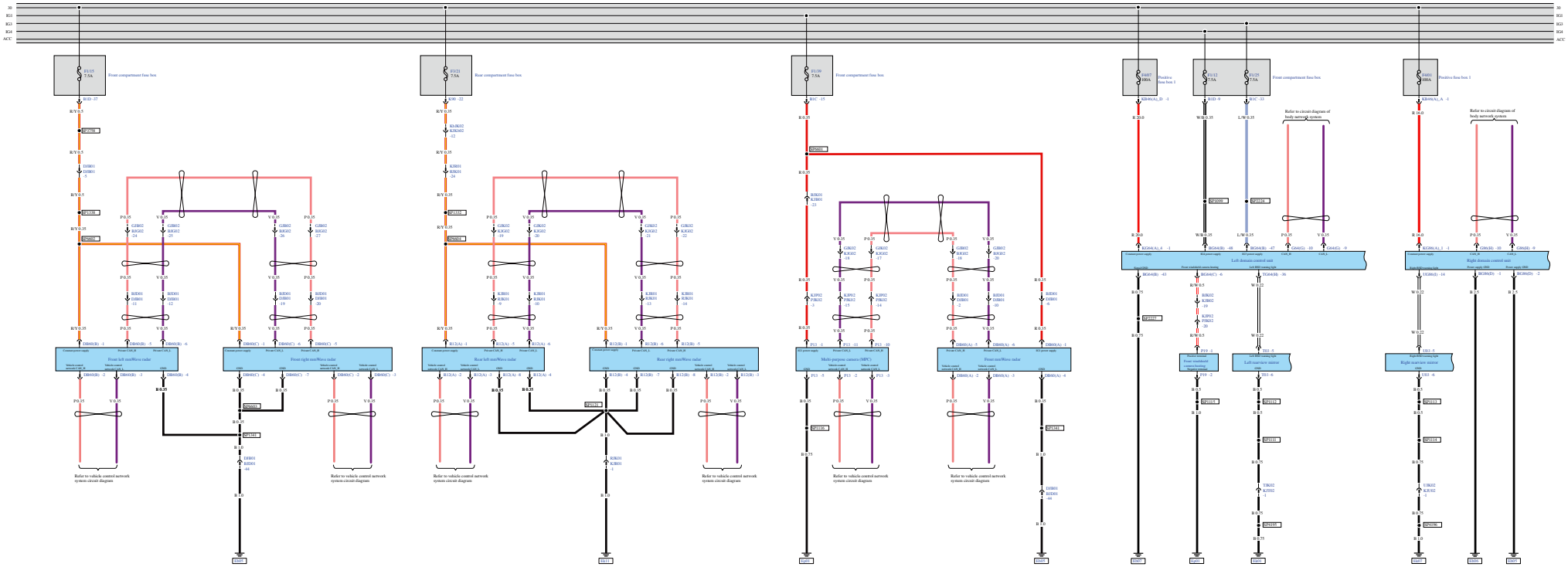
Circuit diagram of IPB system



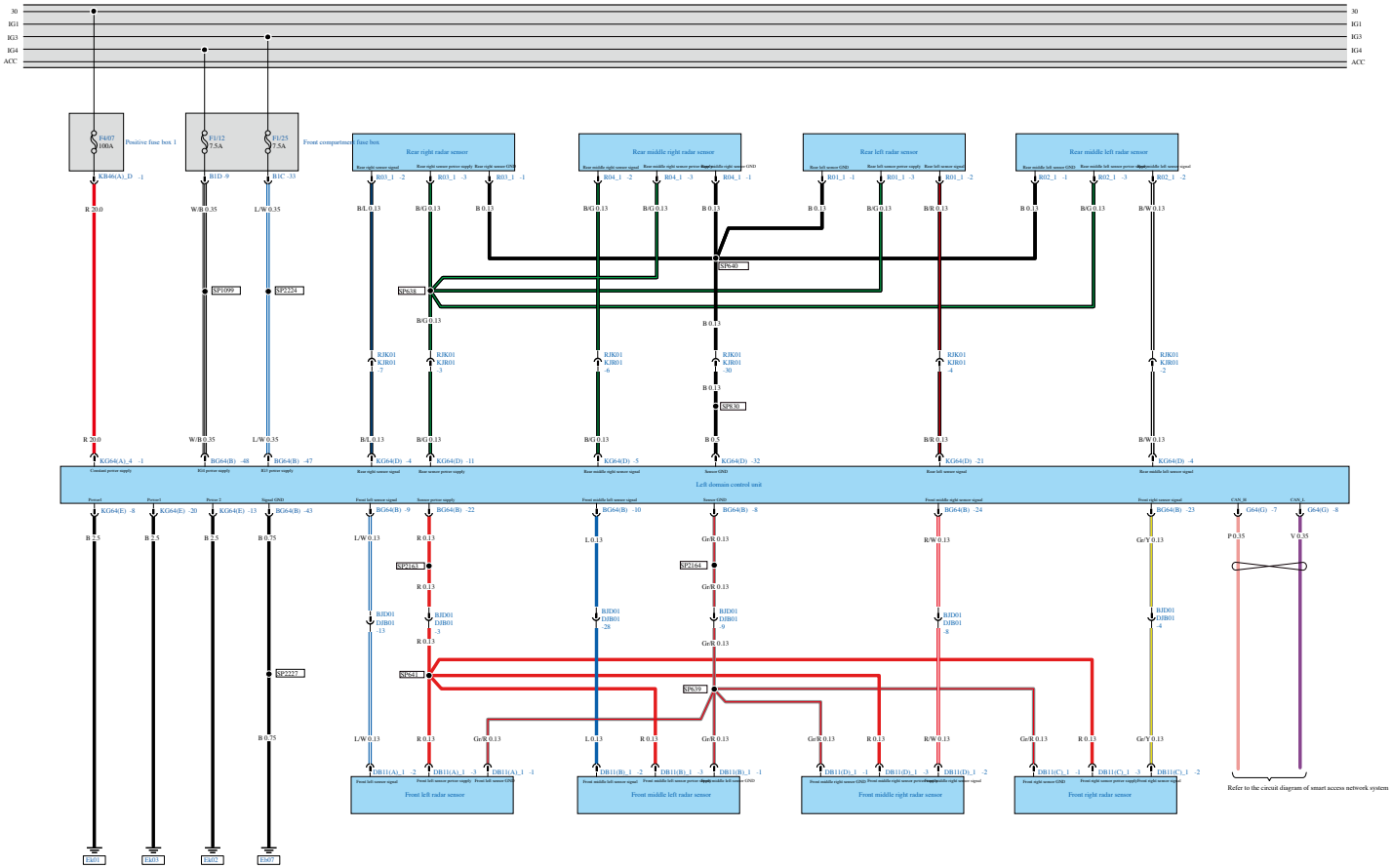
Circuit diagram of EPB system



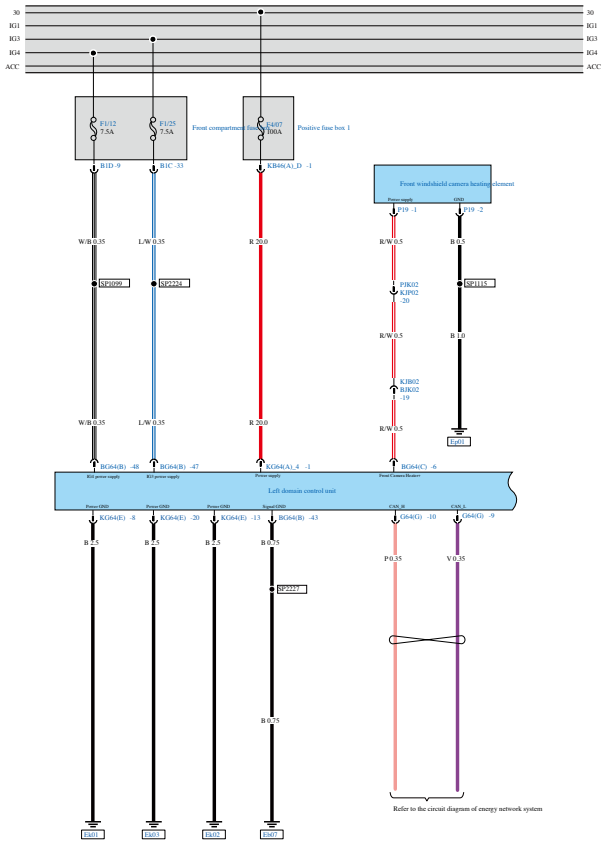
Driver assistance system circuit diagram



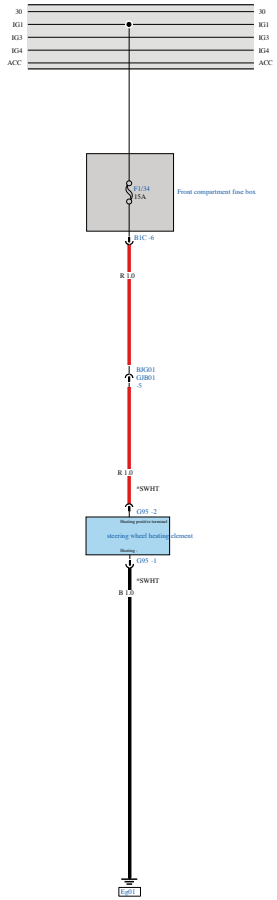
Circuit diagram of parking assist system



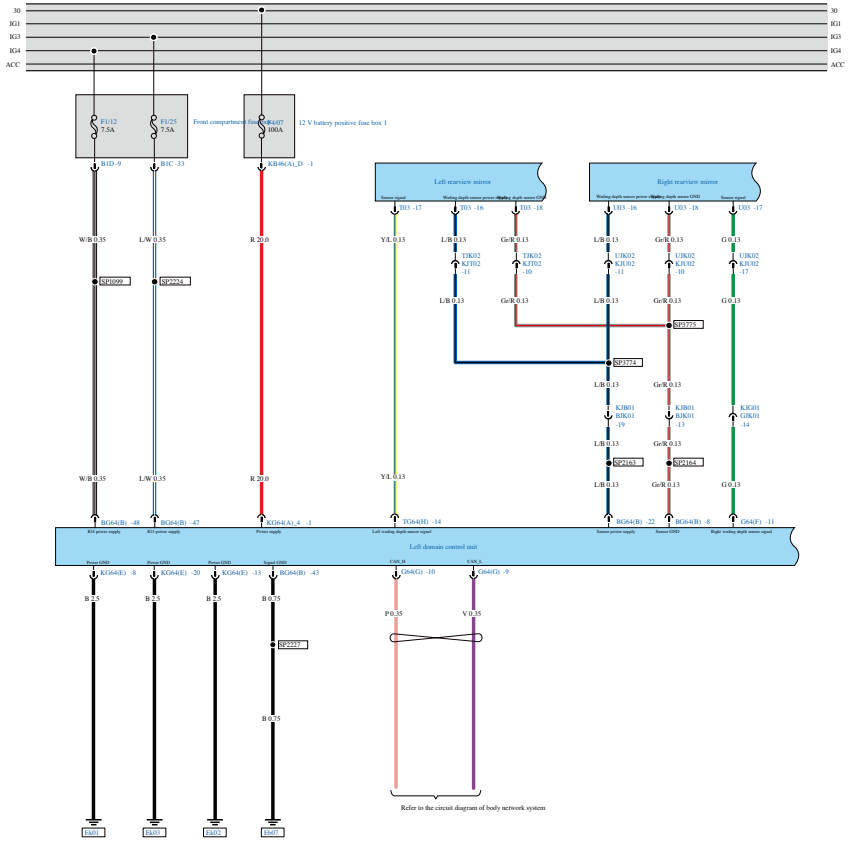
Front Windshield Camera Heating System Circuit Diagram



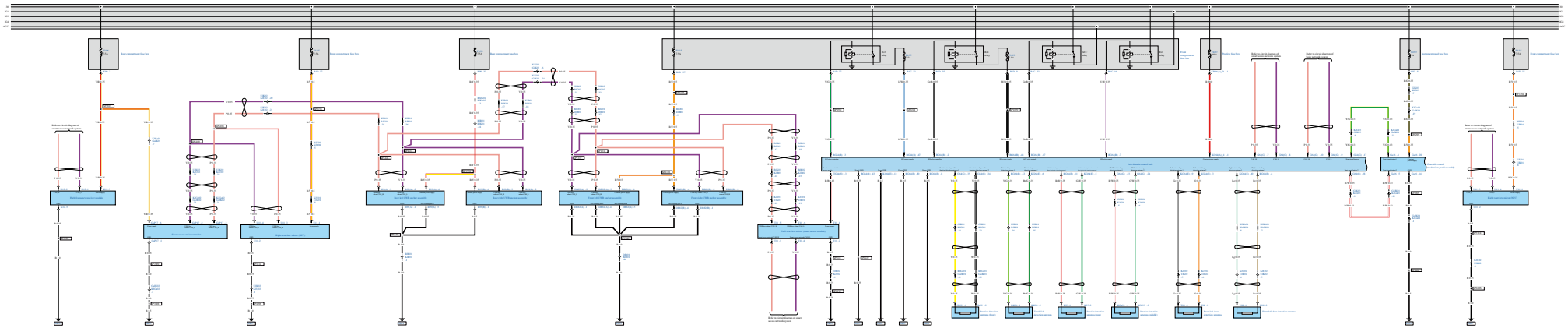
Steering wheel heater circuit diagram



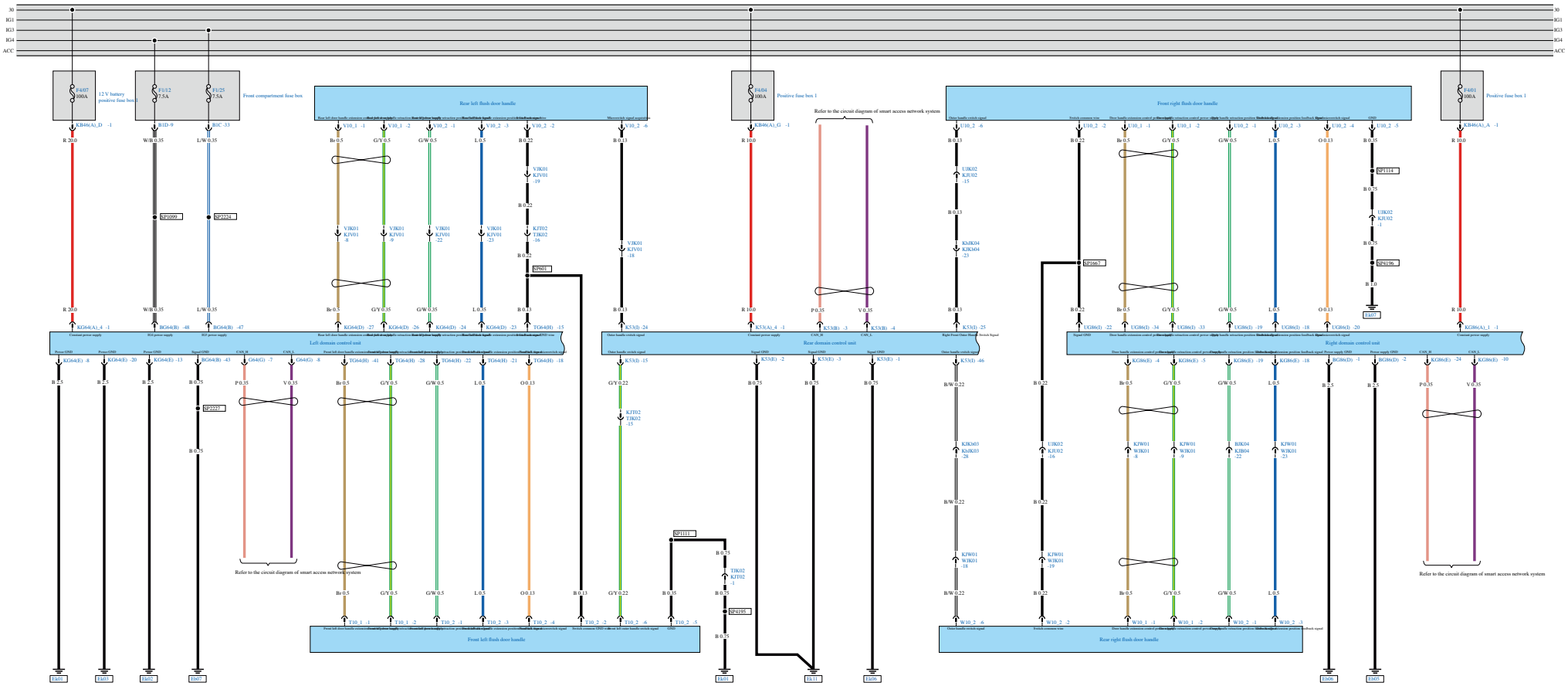
Wading Height Sensor System Circuit Diagram



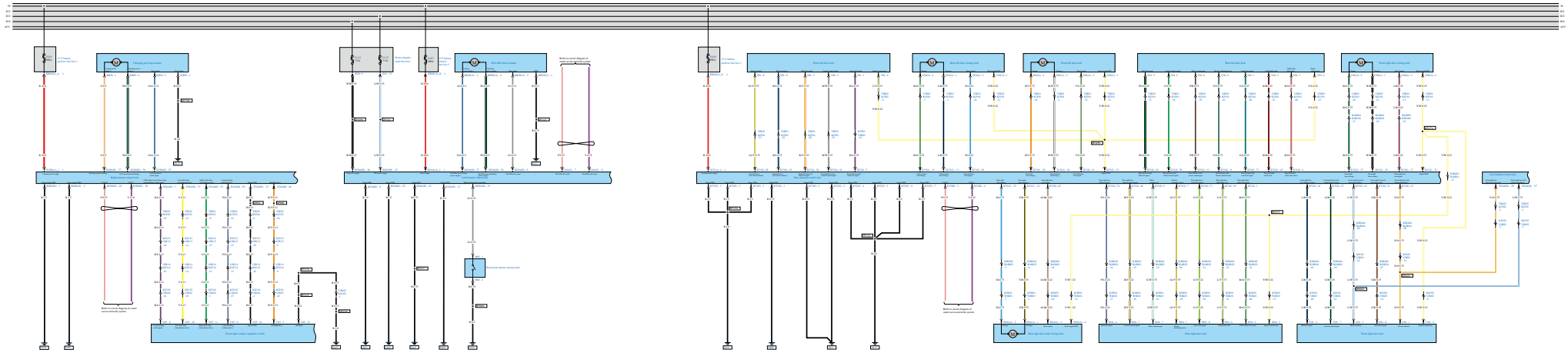
Circuit diagram of UWB smart key system



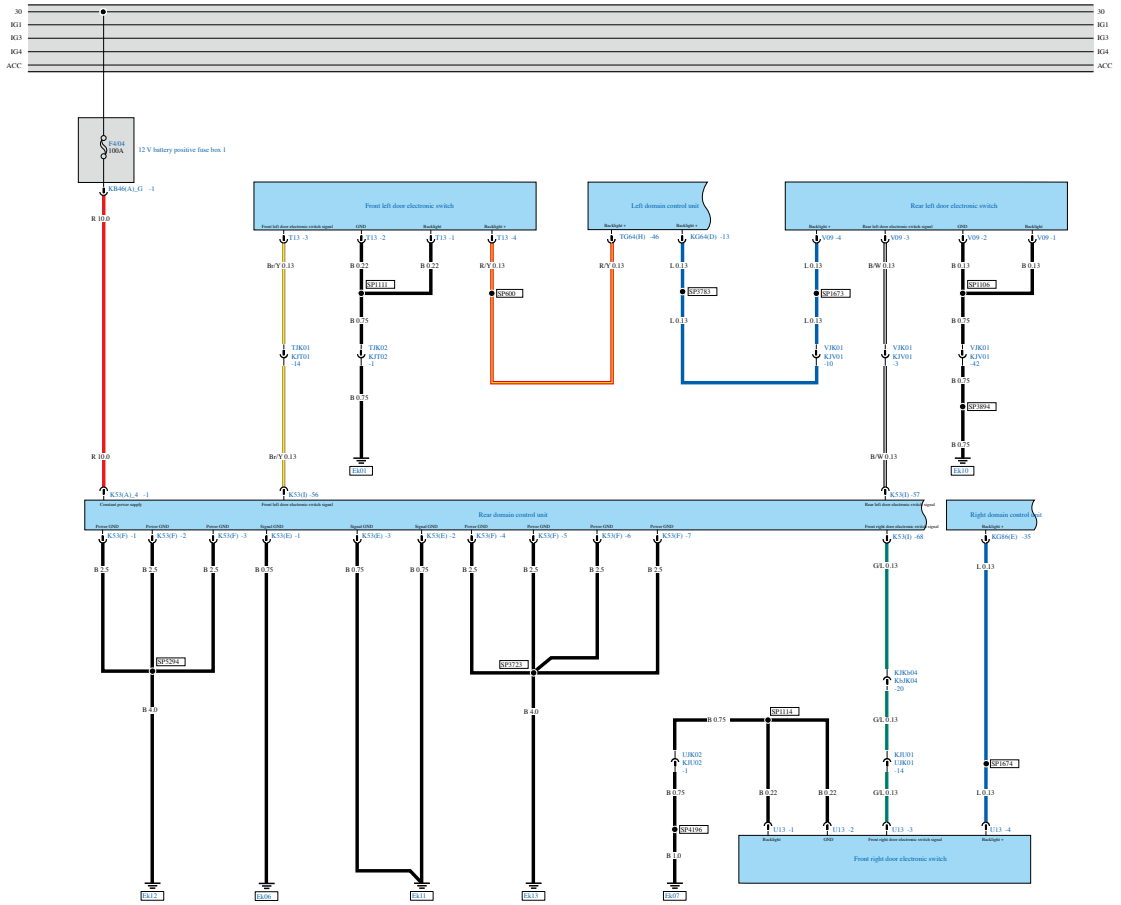
Flush door handle system circuit diagram



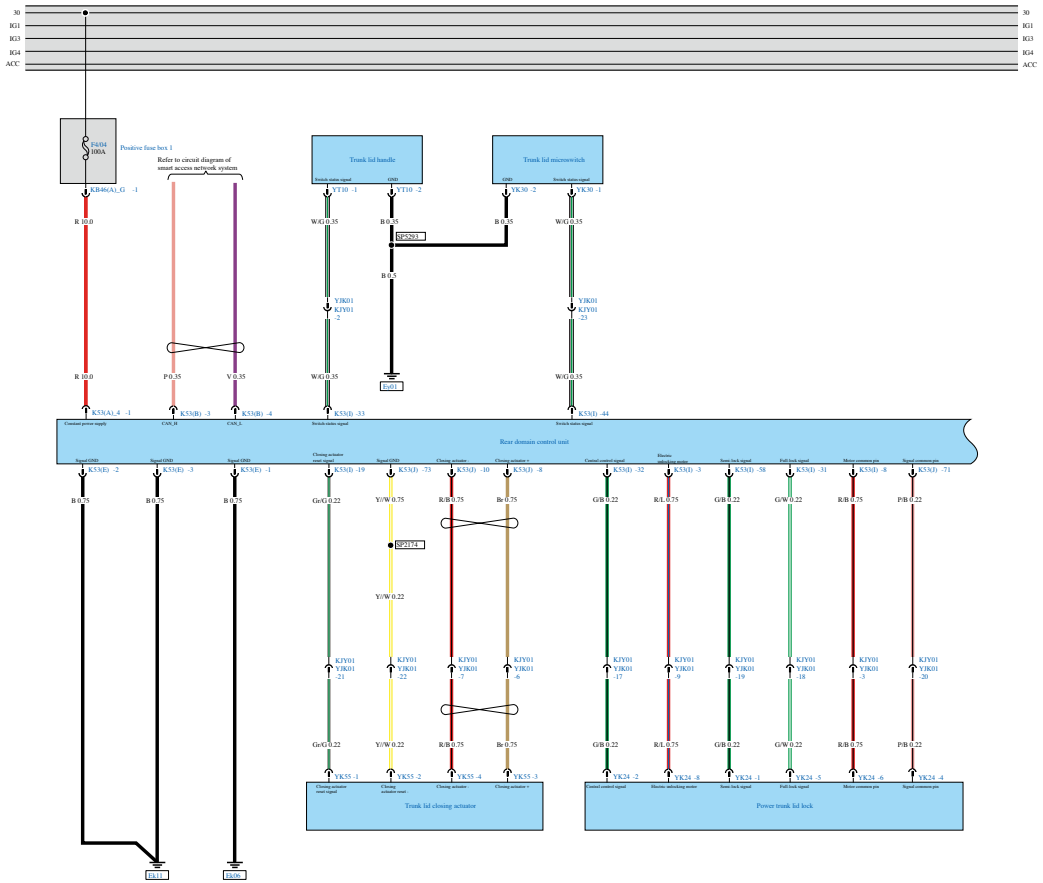
Circuit diagram of door lock motor, hood lock and charging port cap lock system



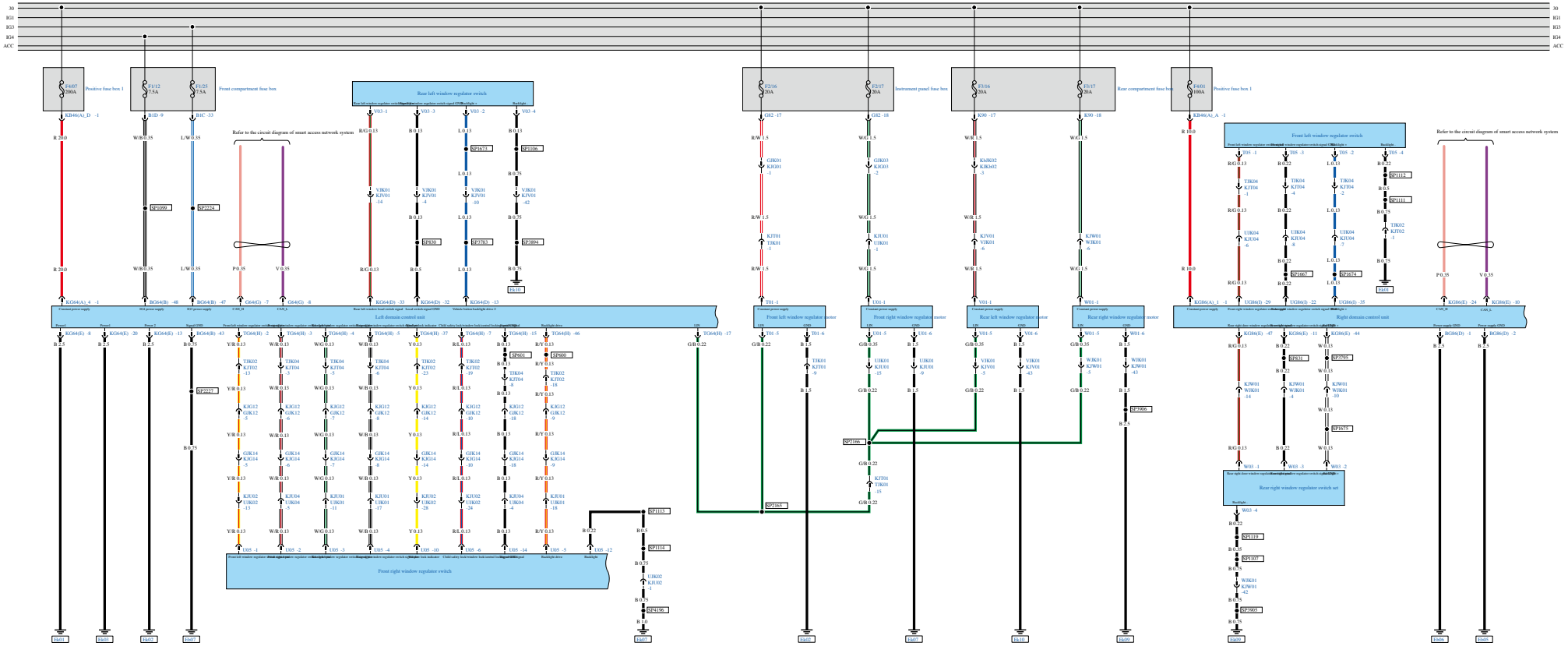
Circuit diagram of the electronic handle switch system



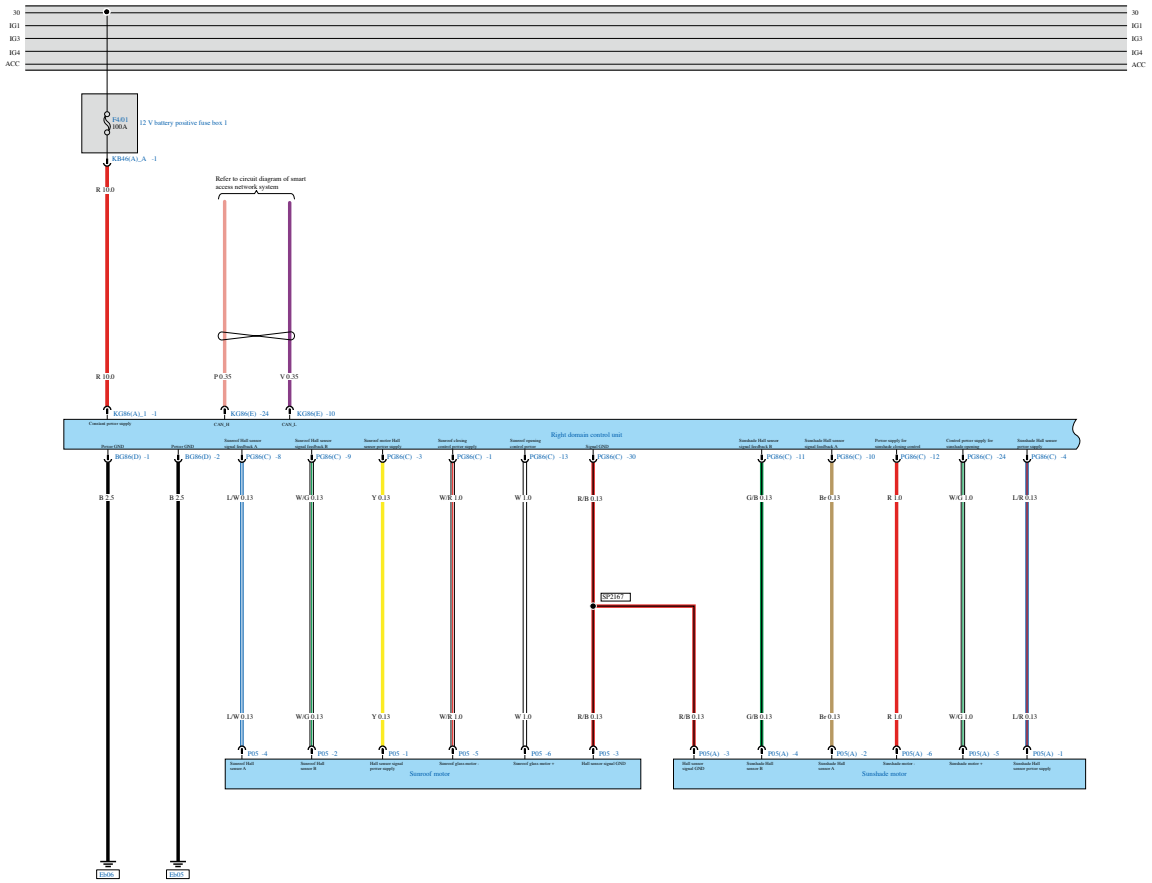
Power trunk lid lock system circuit diagram



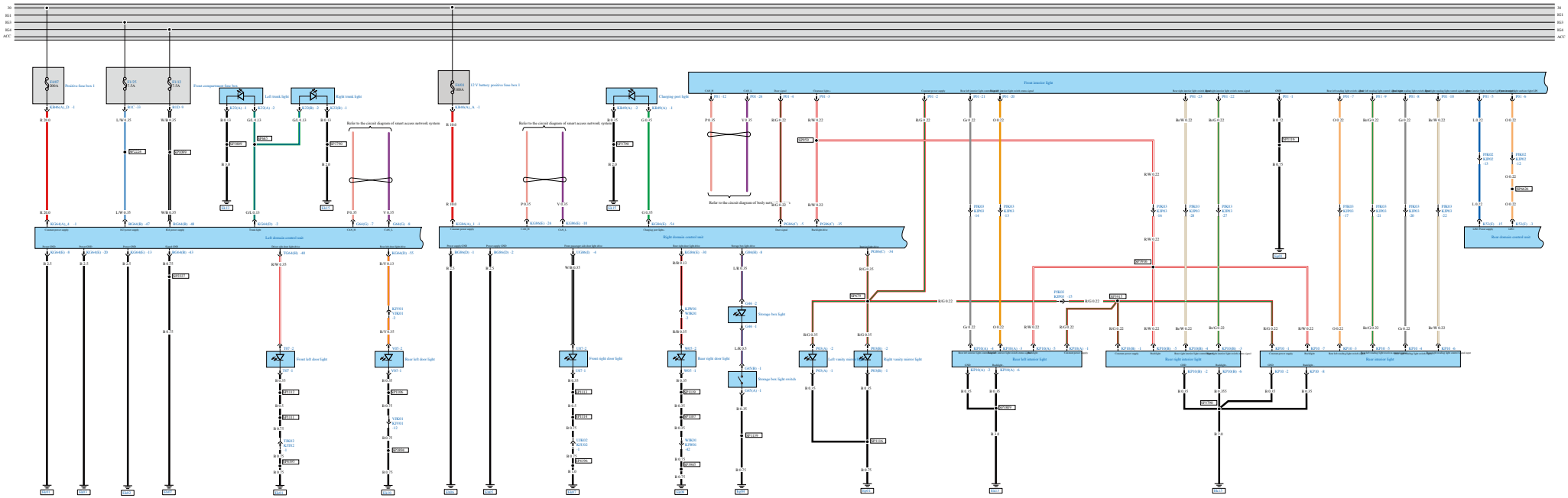
Circuit diagram of window regulator system



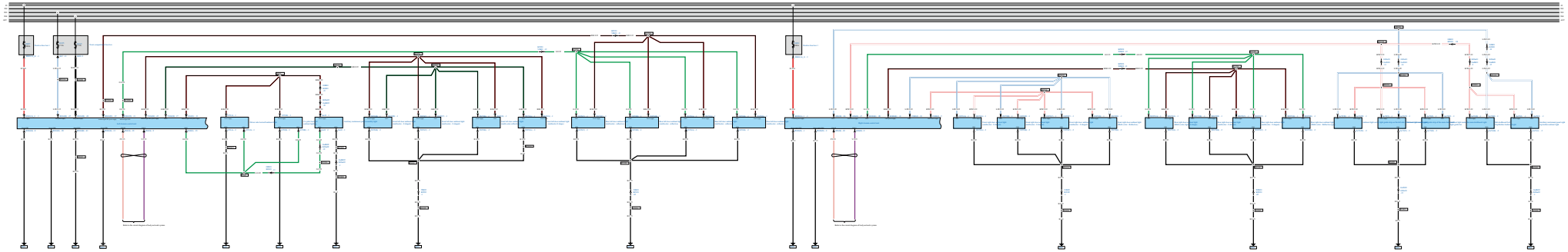
Electrical circuit diagram of sunroof and sunshade system



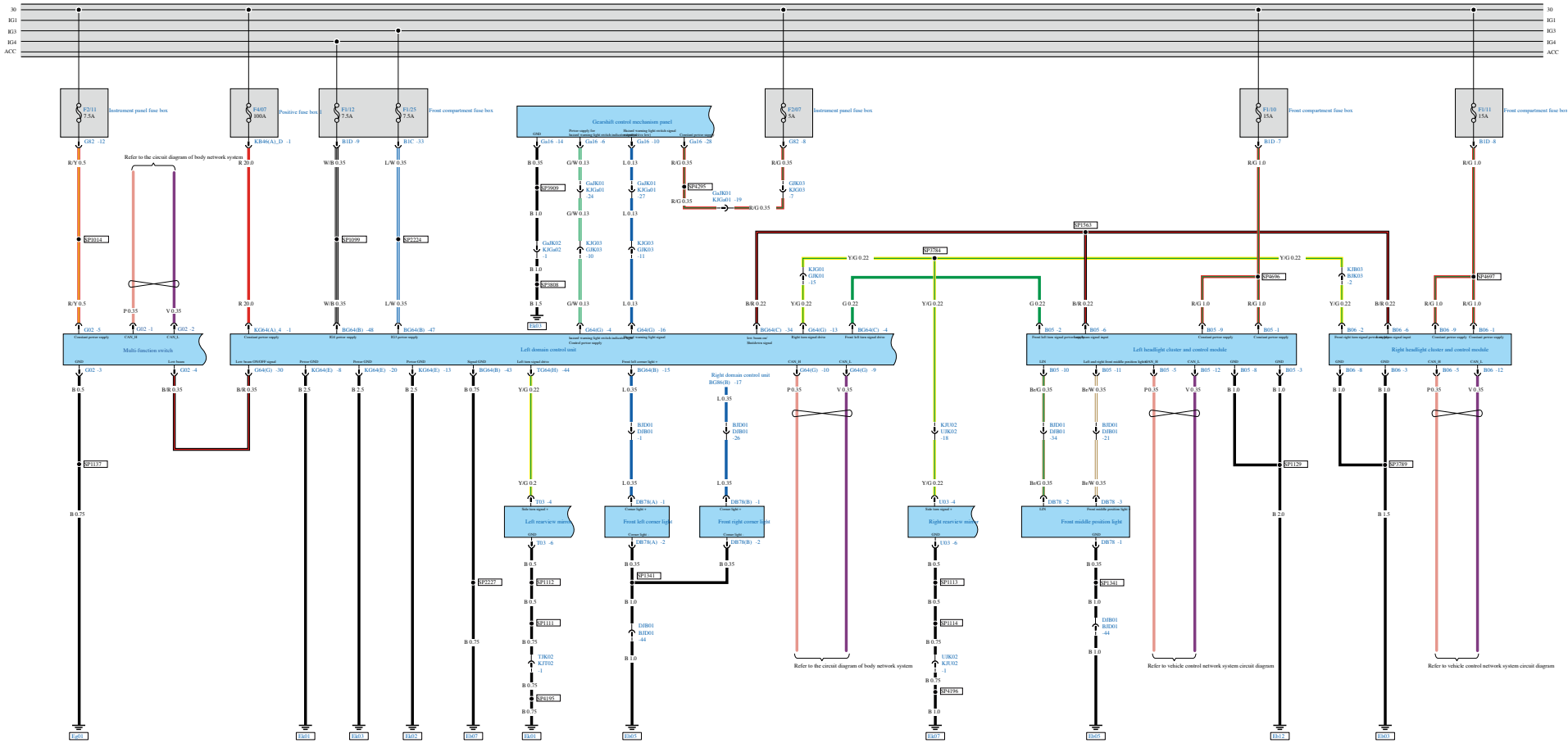
Circuit diagram of interior light system



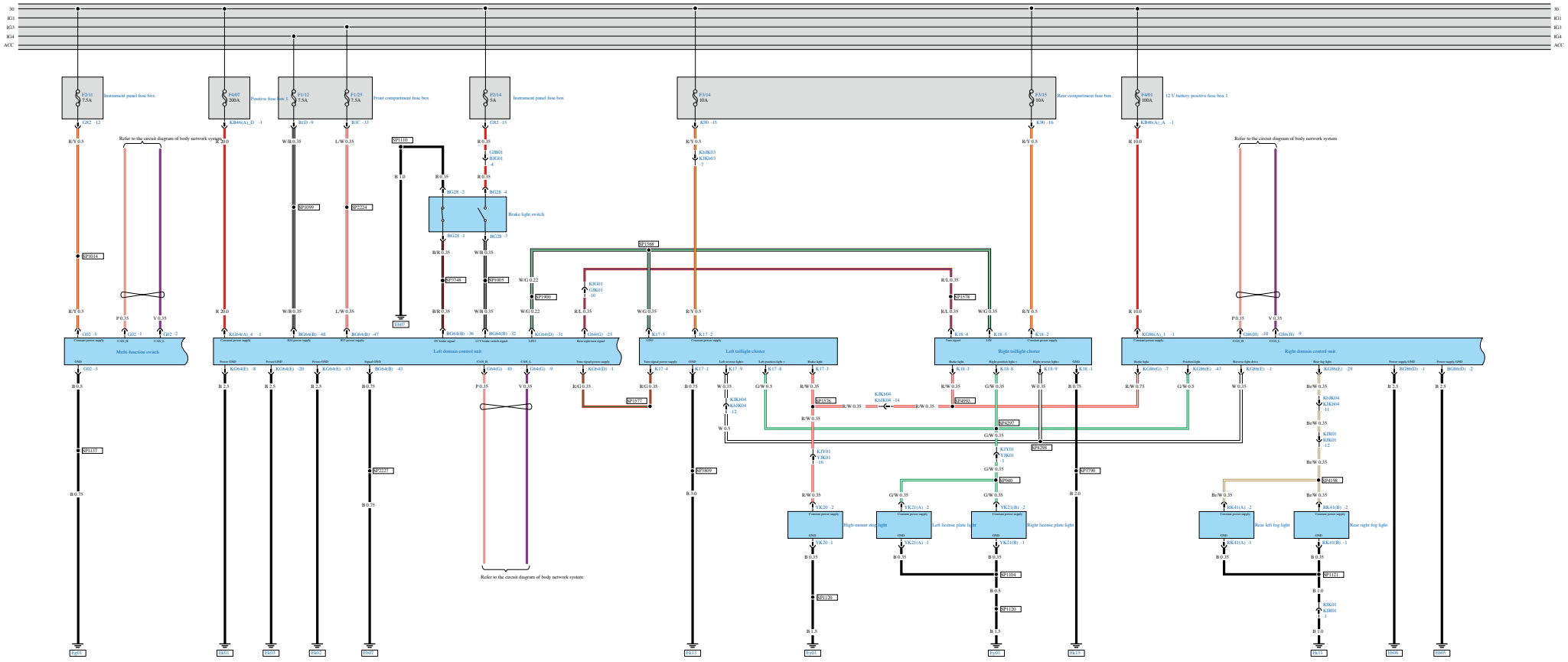
Circuit diagram of the multicolor ambient light system



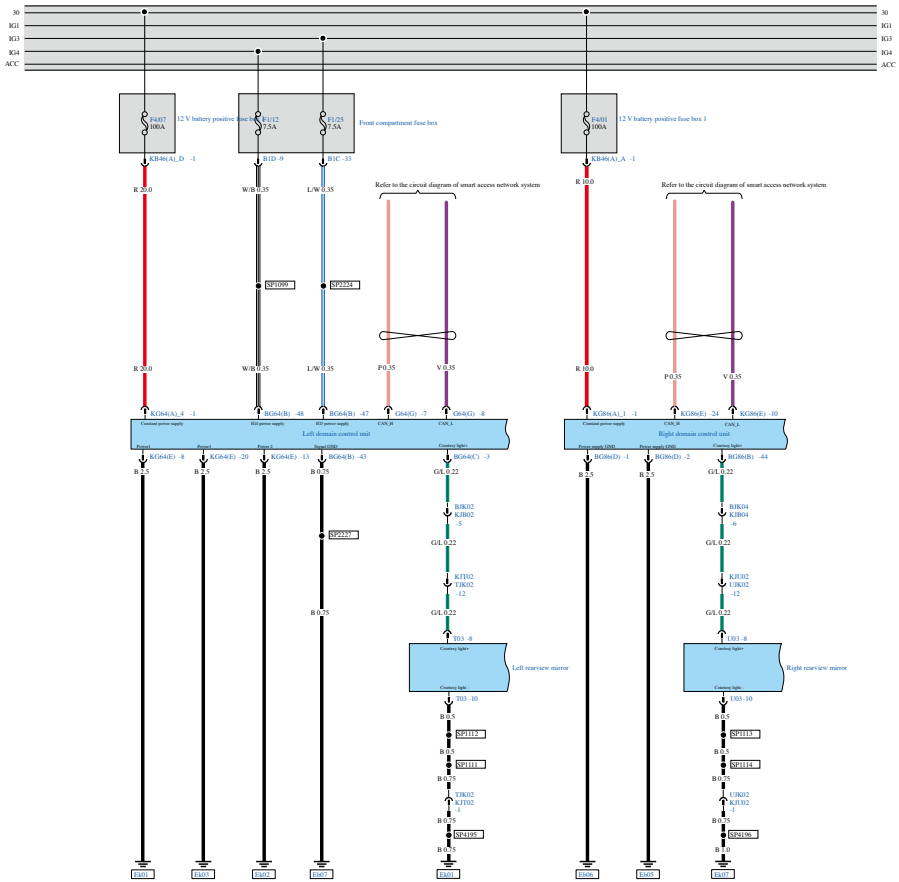
Headlight cluster and outside rearview mirror turn signal system circuit diagram



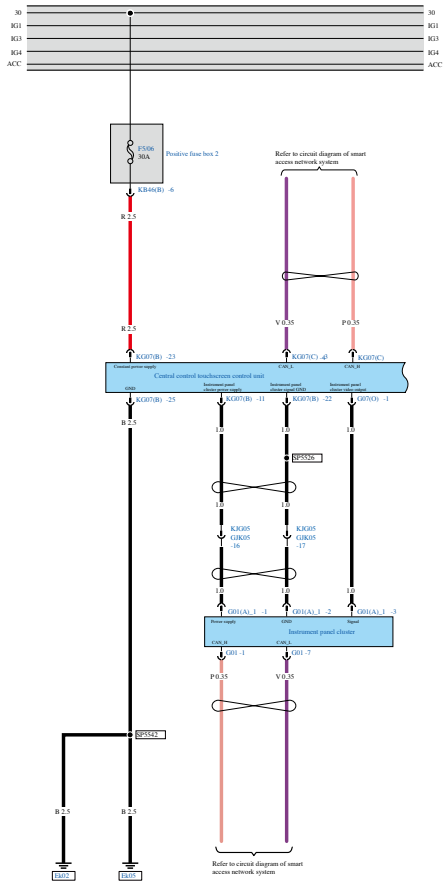
Circuit diagram of rear combination lamp, high-mount stop light, and fog lamp system



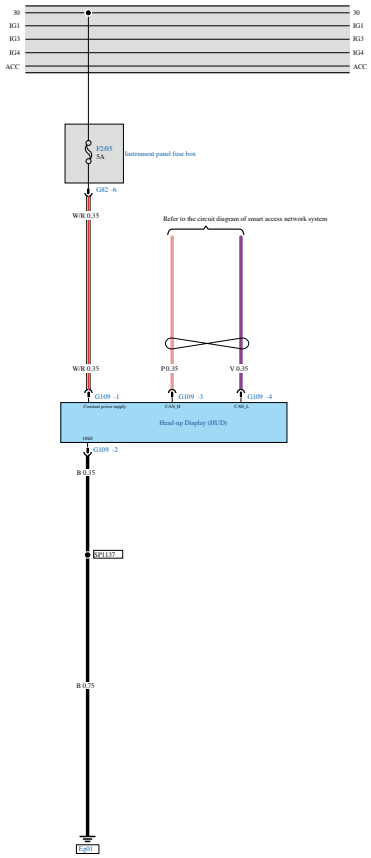
Circuit diagram of exterior rearview mirror puddle light



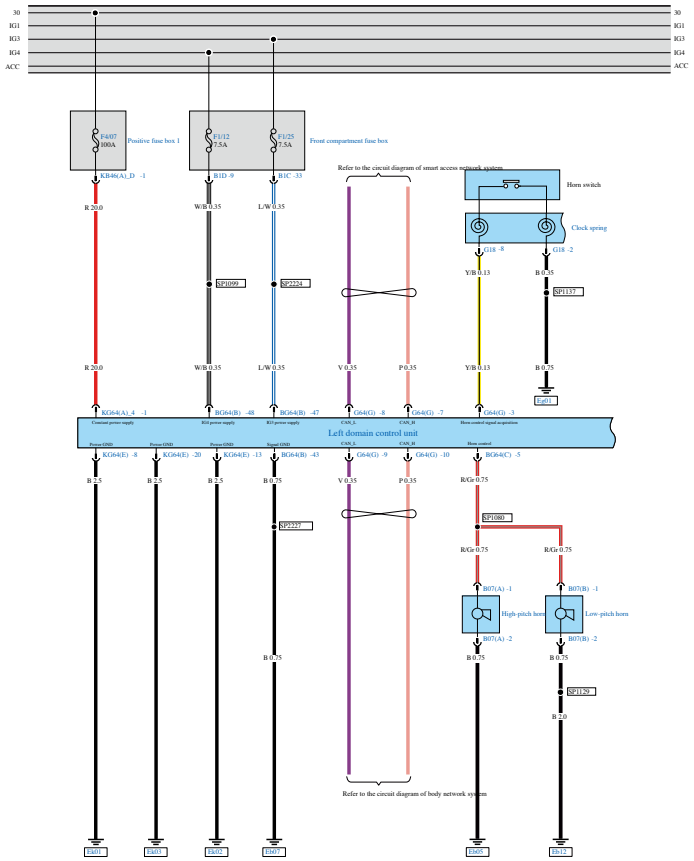
Circuit diagram of instrument panel cluster system



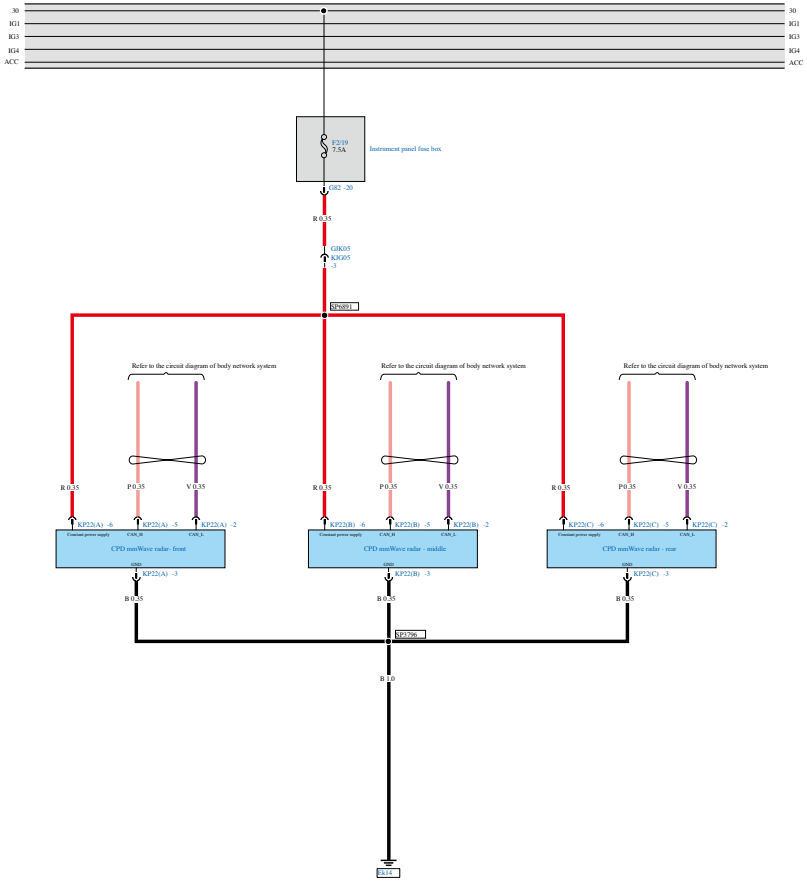
Circuit Diagram of HUD System



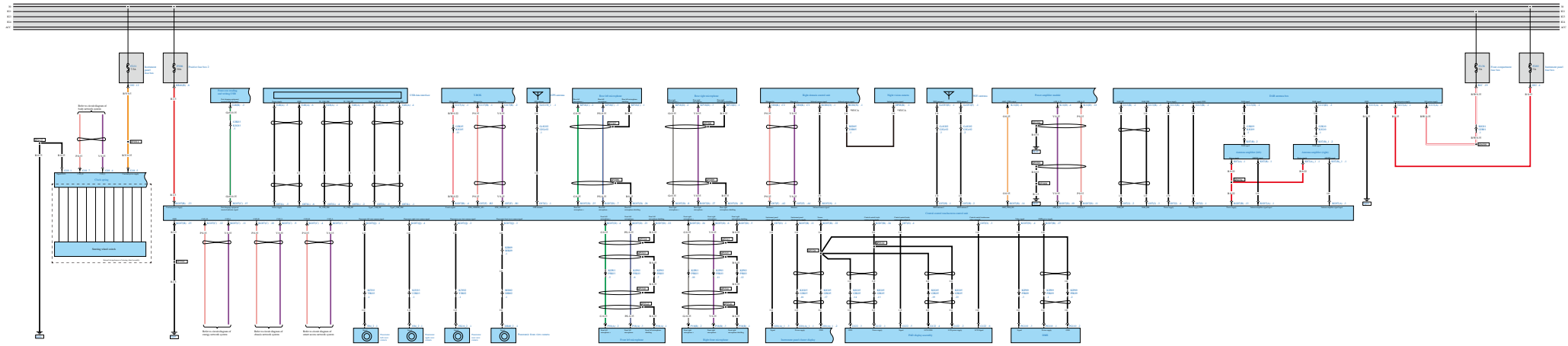
Circuit diagram of horn system



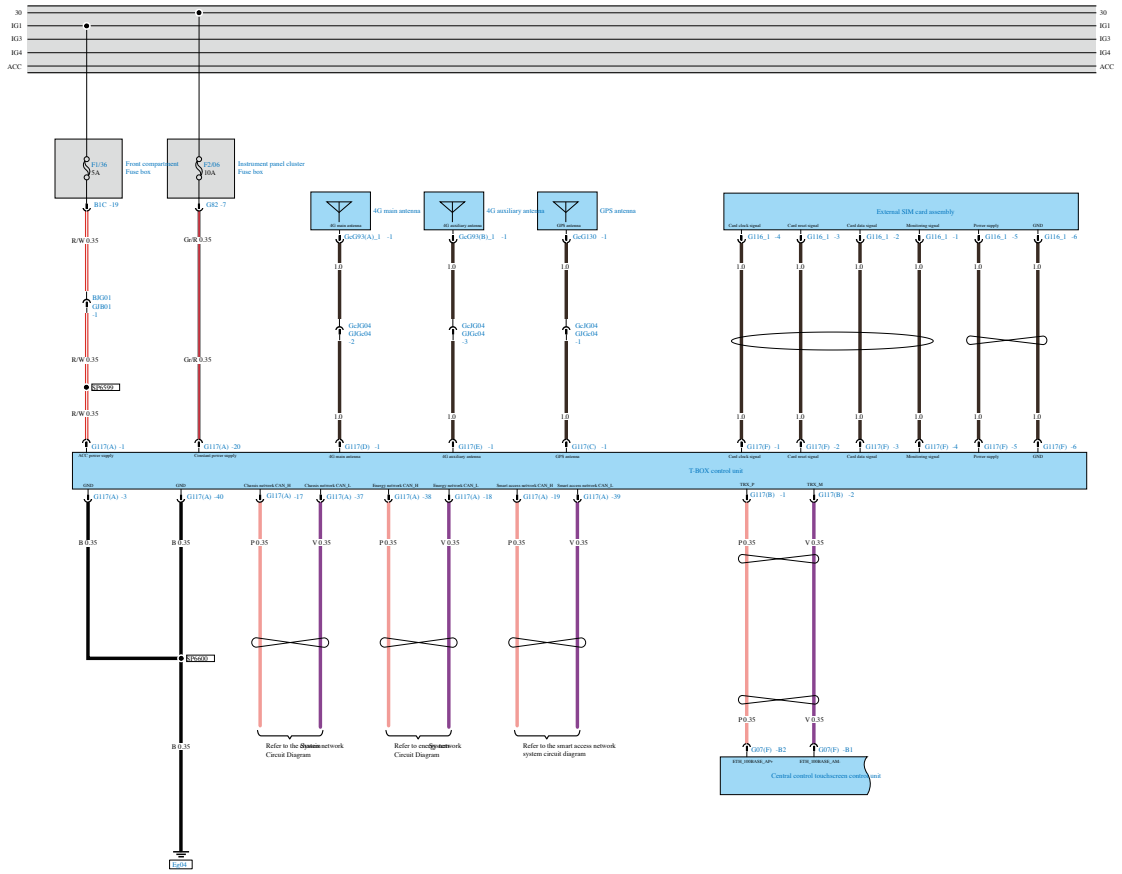
Child presence detection system circuit diagram



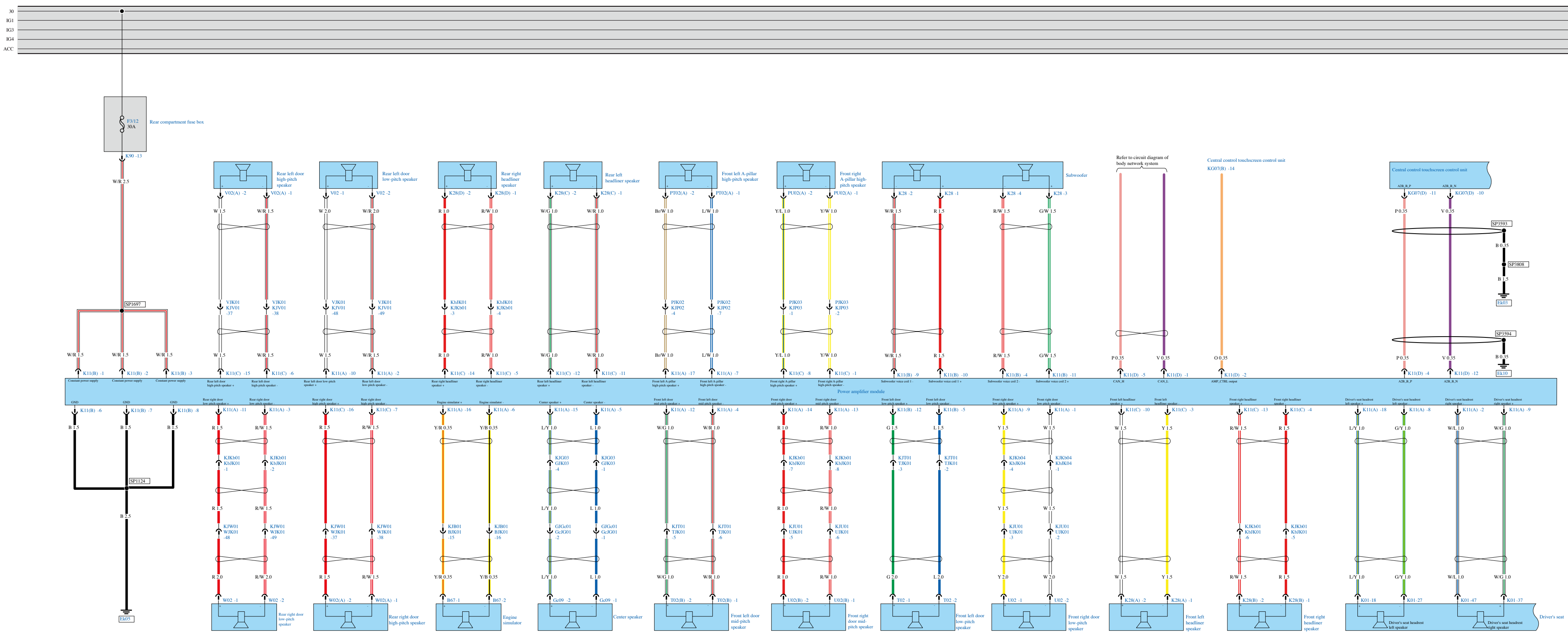
Central control touchscreen control unit system circuit diagram



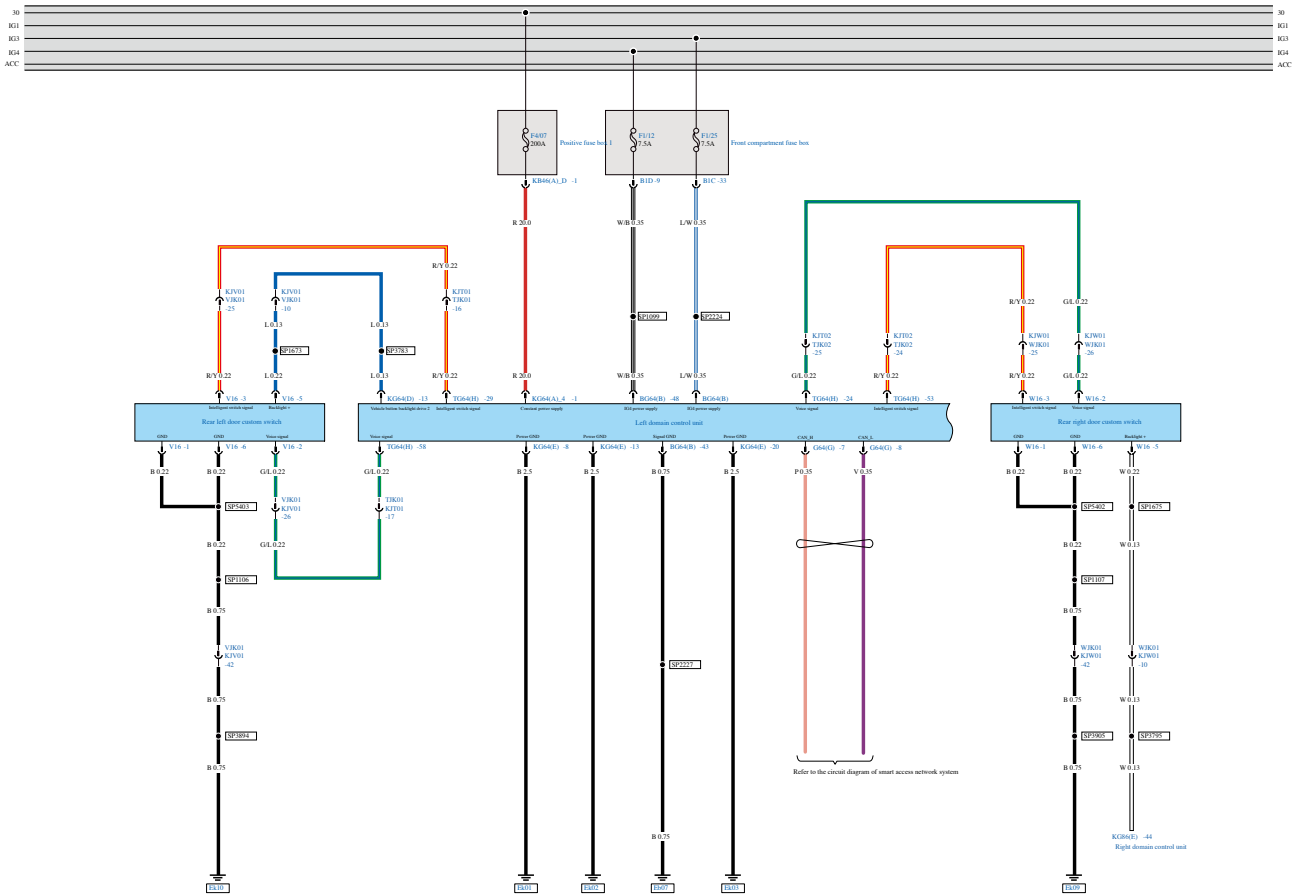
T-BOX control unit system circuit diagram



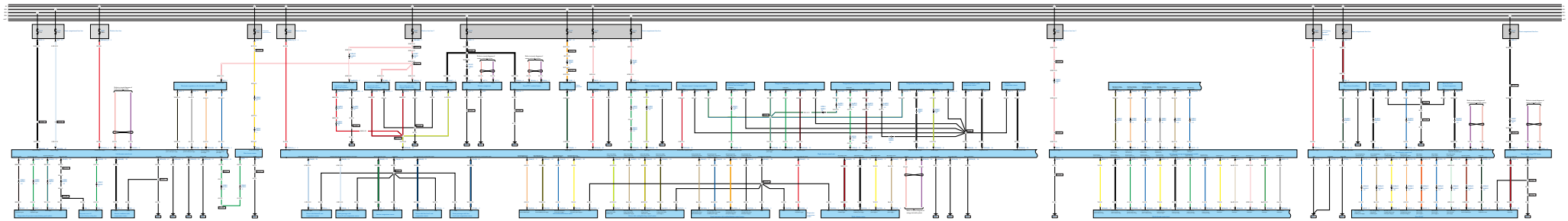
Power amplifier module system circuit diagram



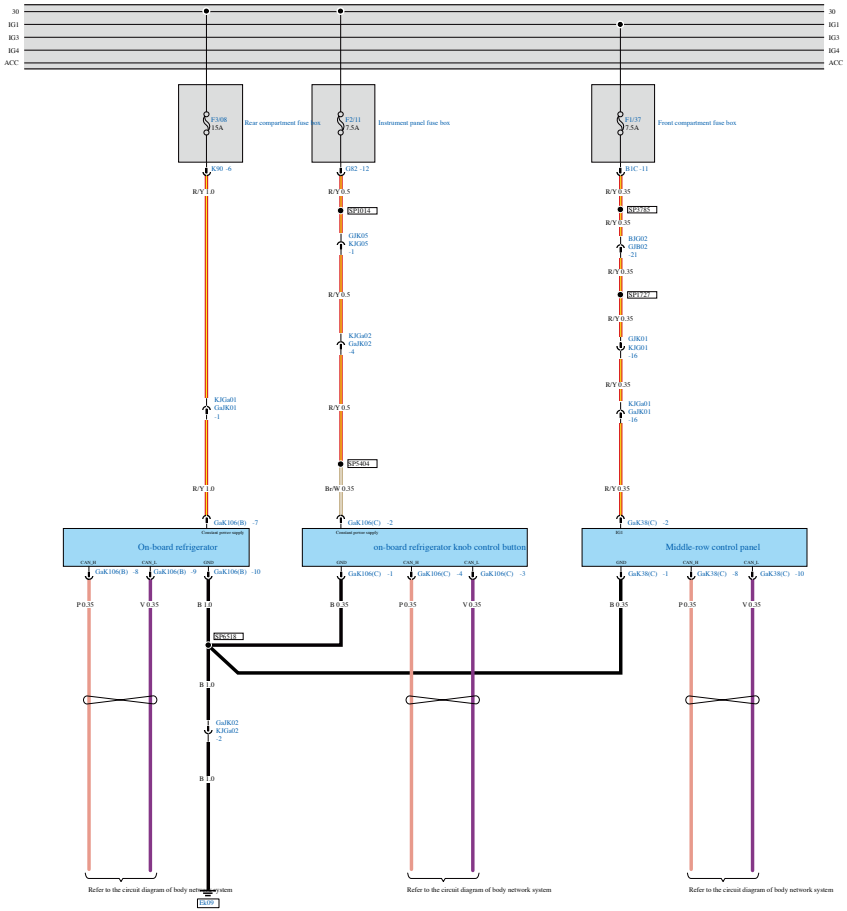
Backdoor Custom Switch Circuit Diagram



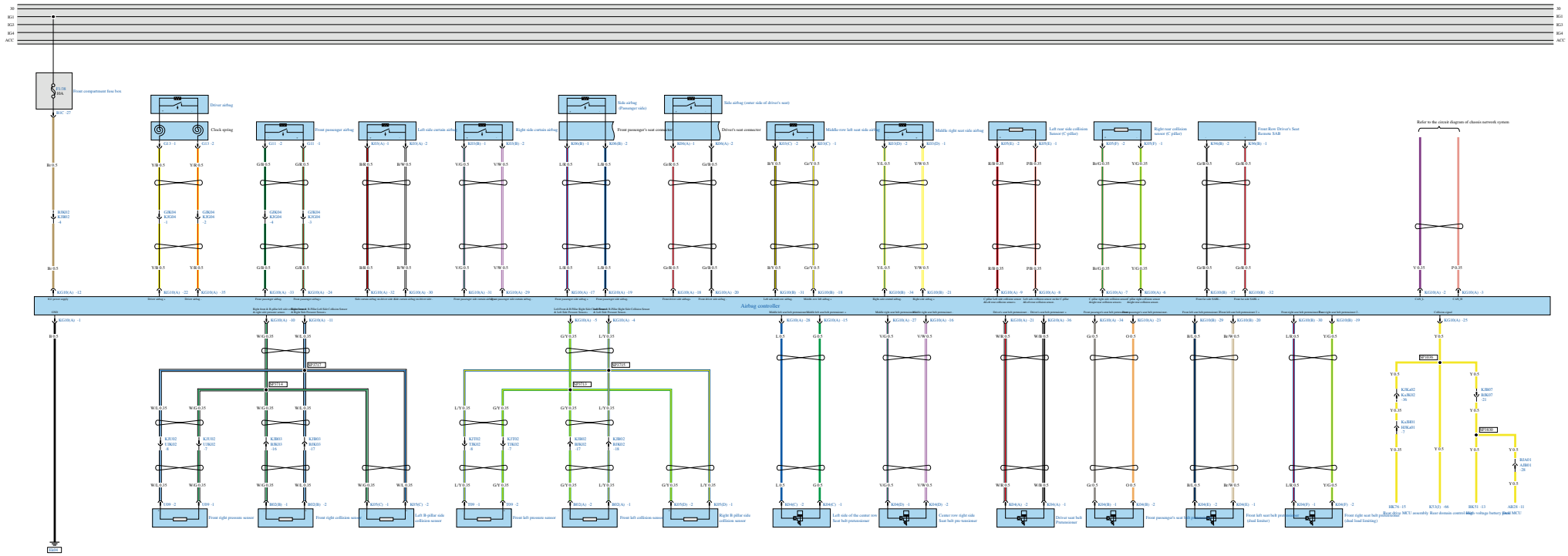
Circuit diagram of A/C system



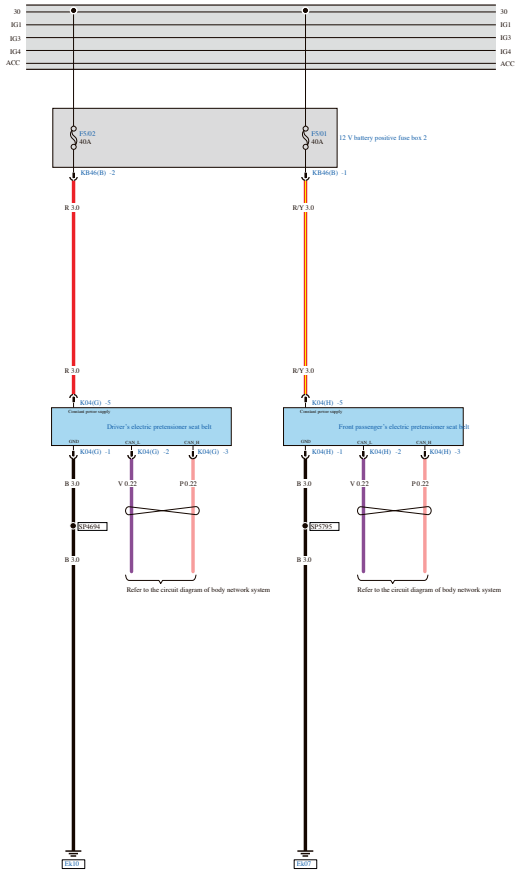
On-board refrigerator system circuit diagram



Circuit diagram of SRS



Electric Pre-tensioning Seatbelt System Circuit Diagram



Circuit diagram with buckles arrangement for middle row seat and rear seat (6 seats)

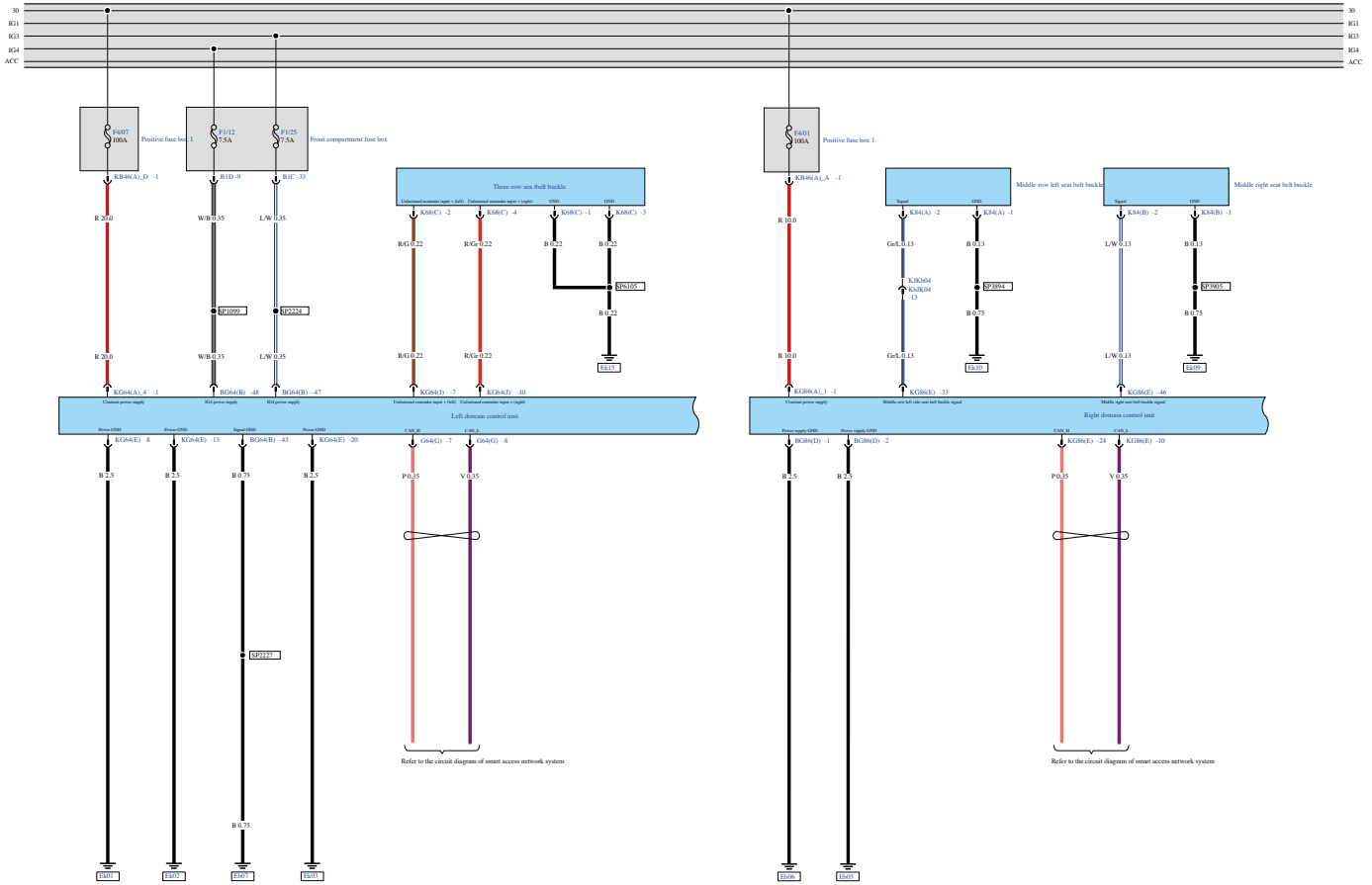
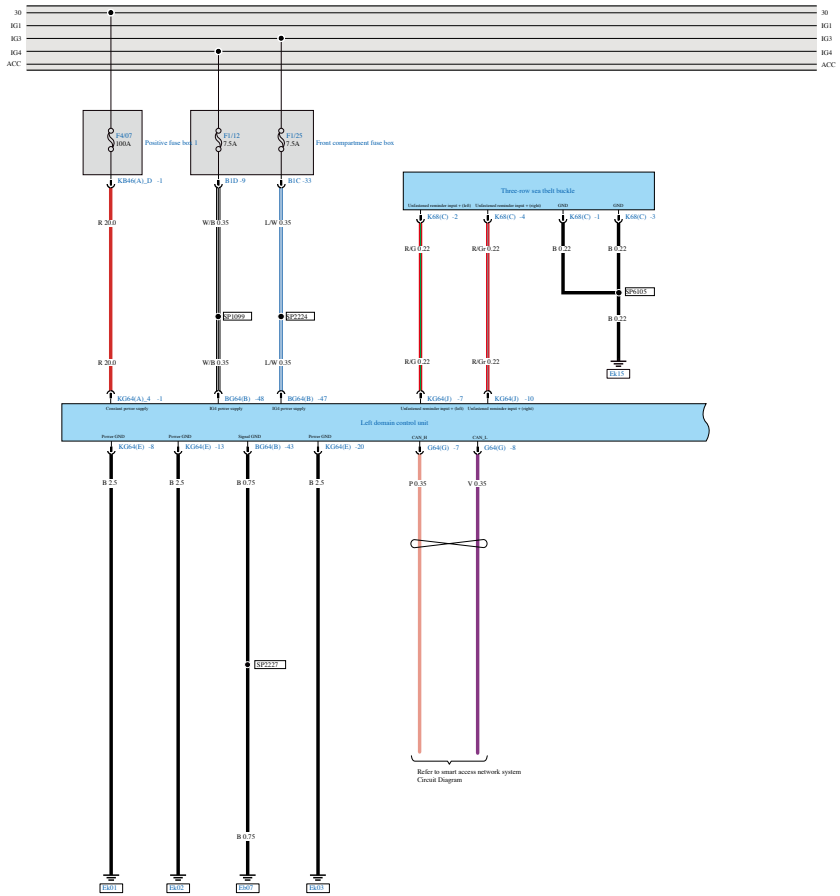
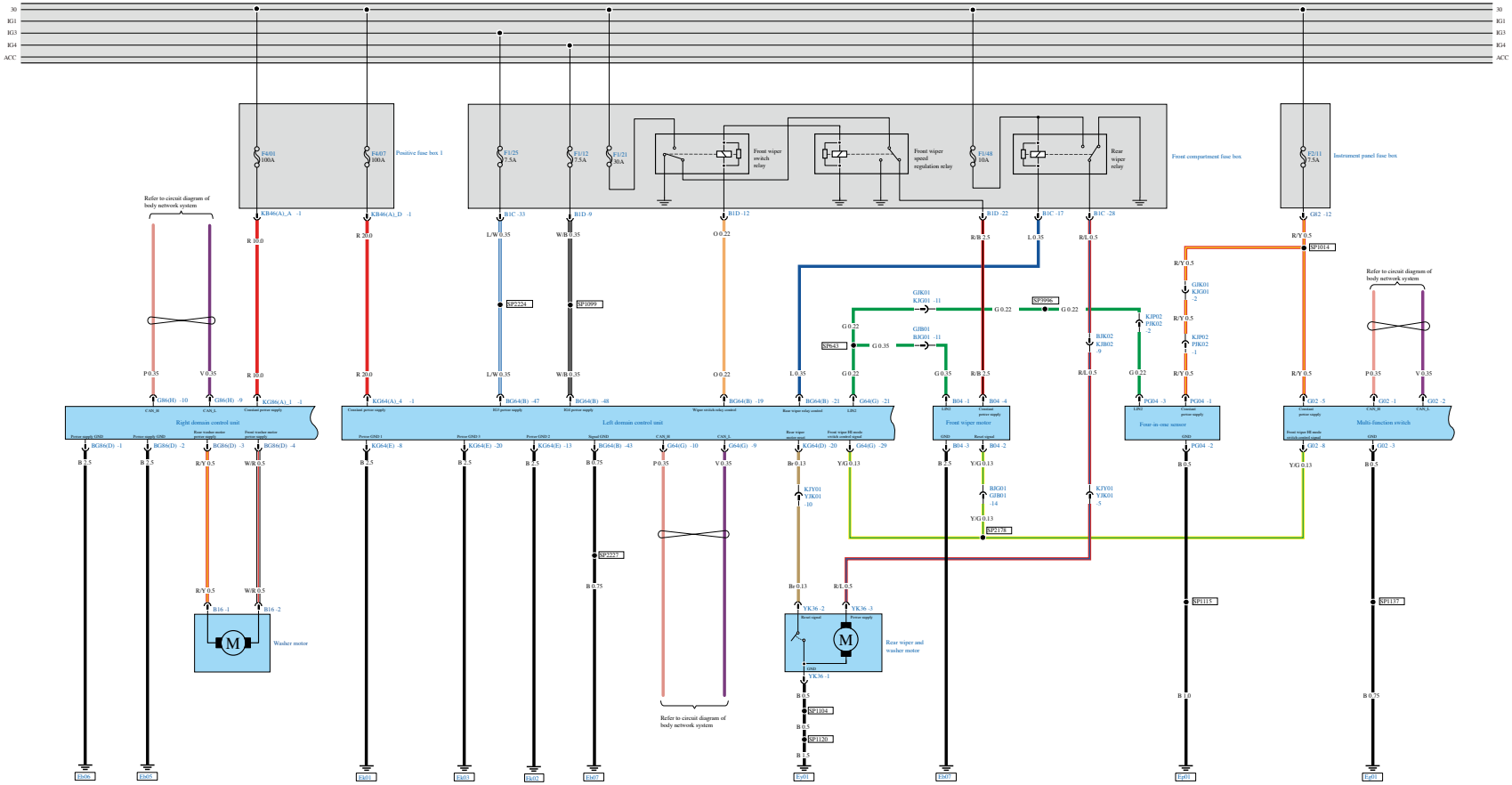


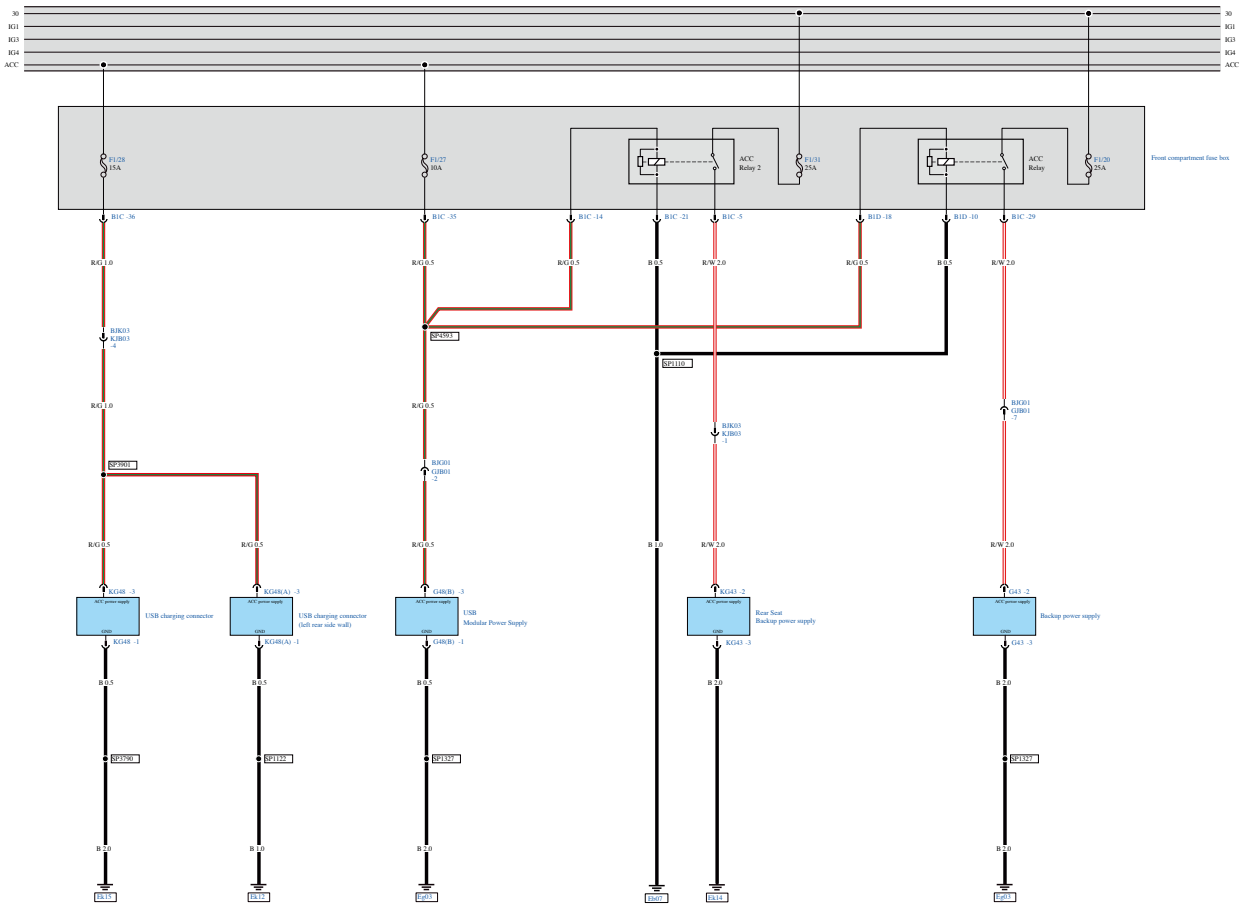
Diagram of Middle and Rear Seats Arrangement with Buckle Circuit (7-seater)



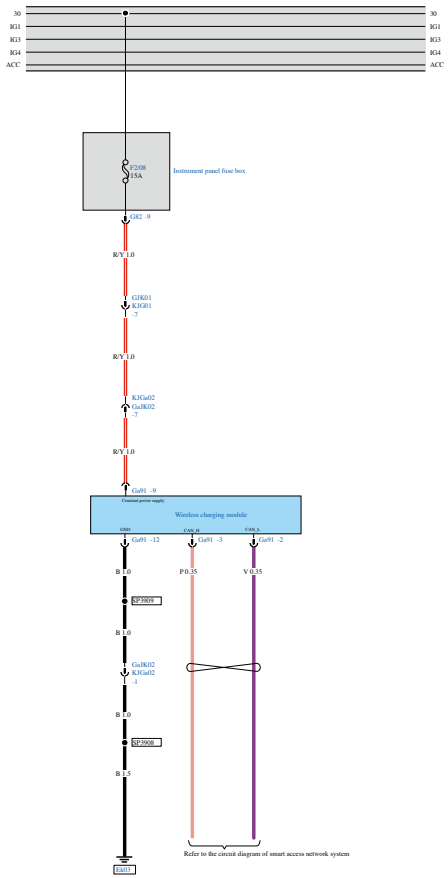
Circuit diagram of wiper and washer system



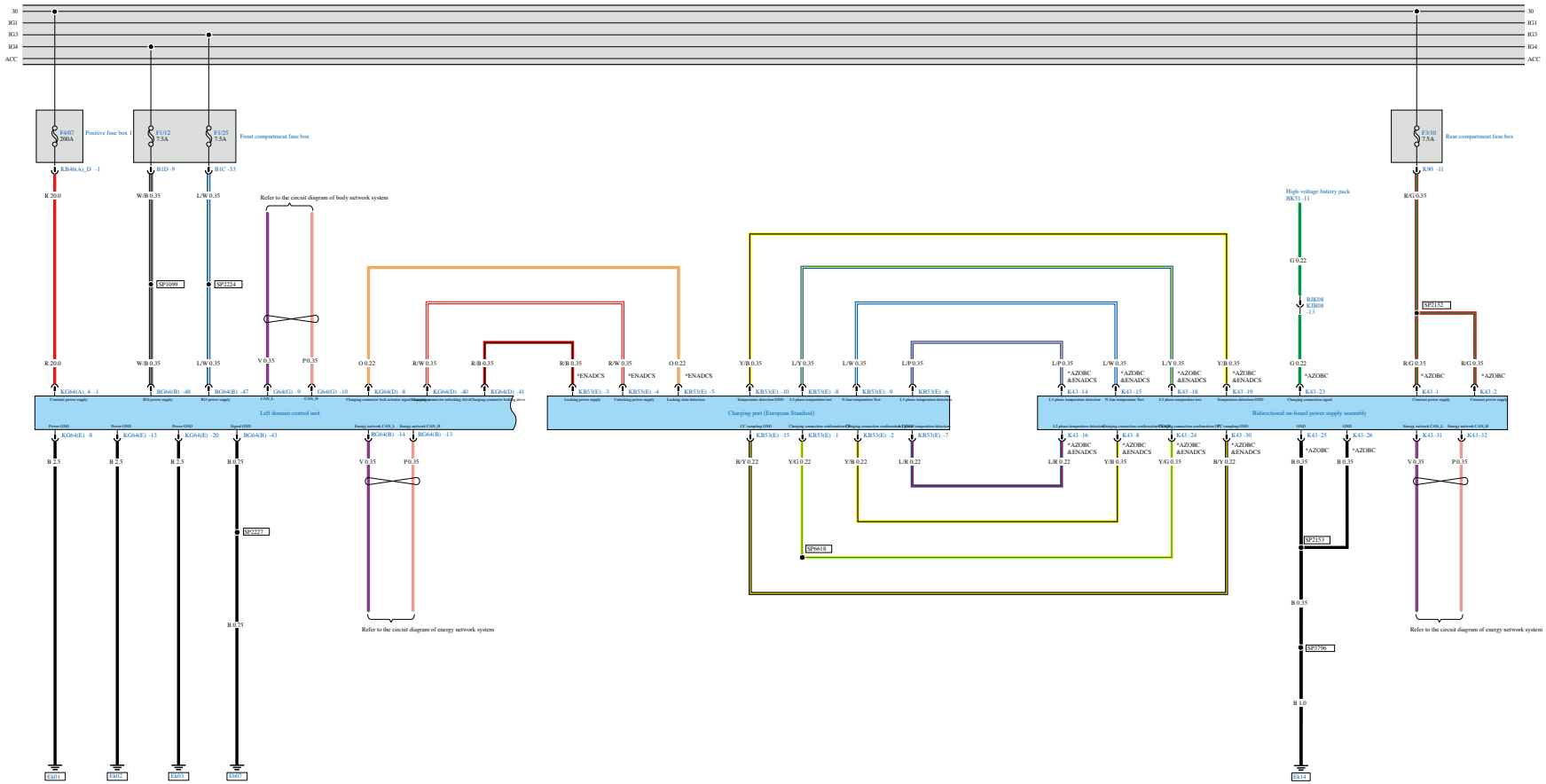
Circuit diagram of USB charging and backup power supply system



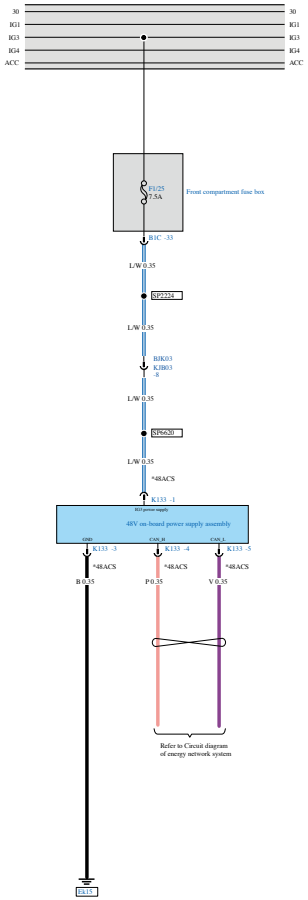
Circuit diagram of wireless phone charging system



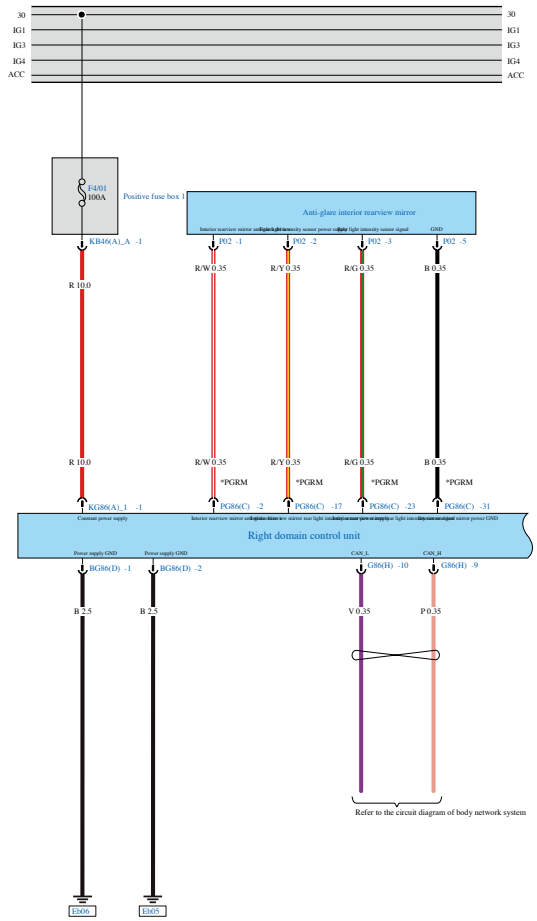
On-board power supply system circuit diagram



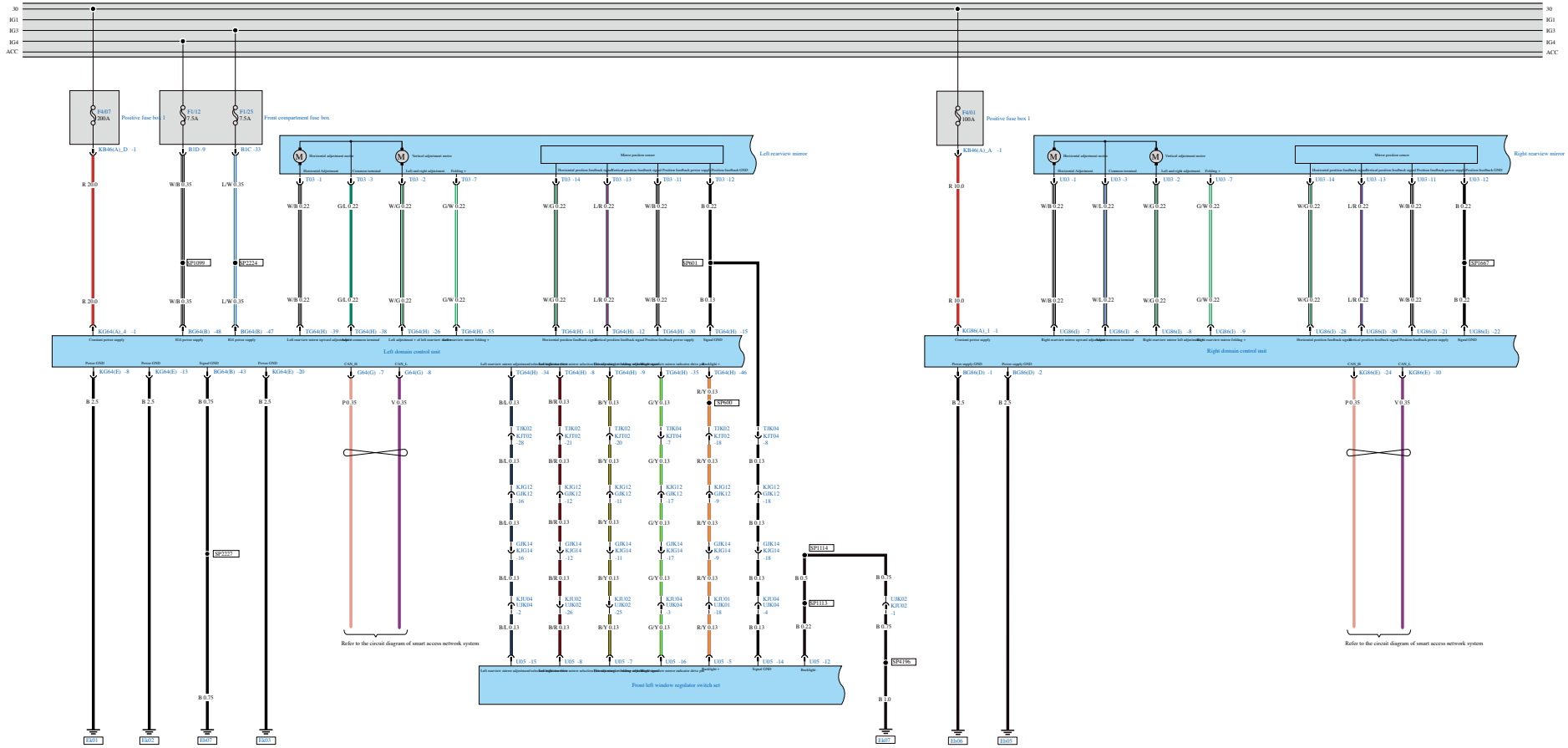
Circuit diagram of 48V on-board power supply assembly system



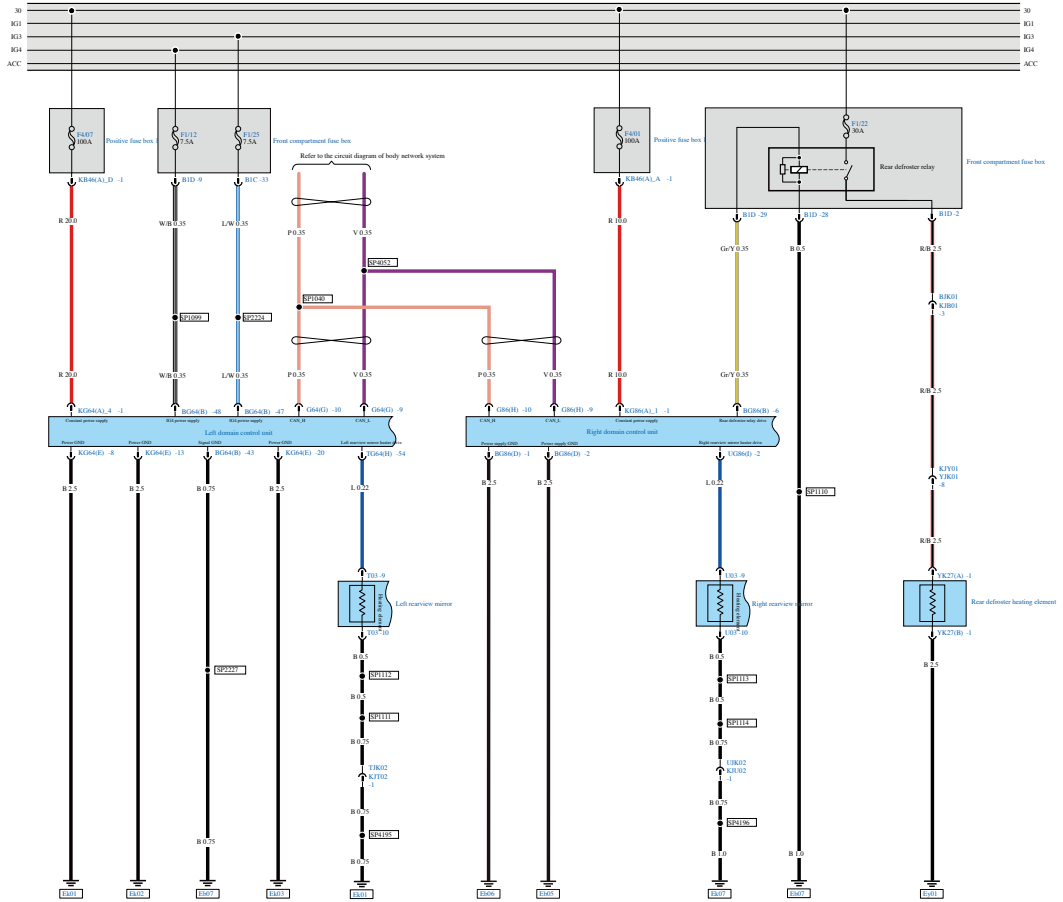
Anti-glare Rearview Mirror System Circuit Diagram



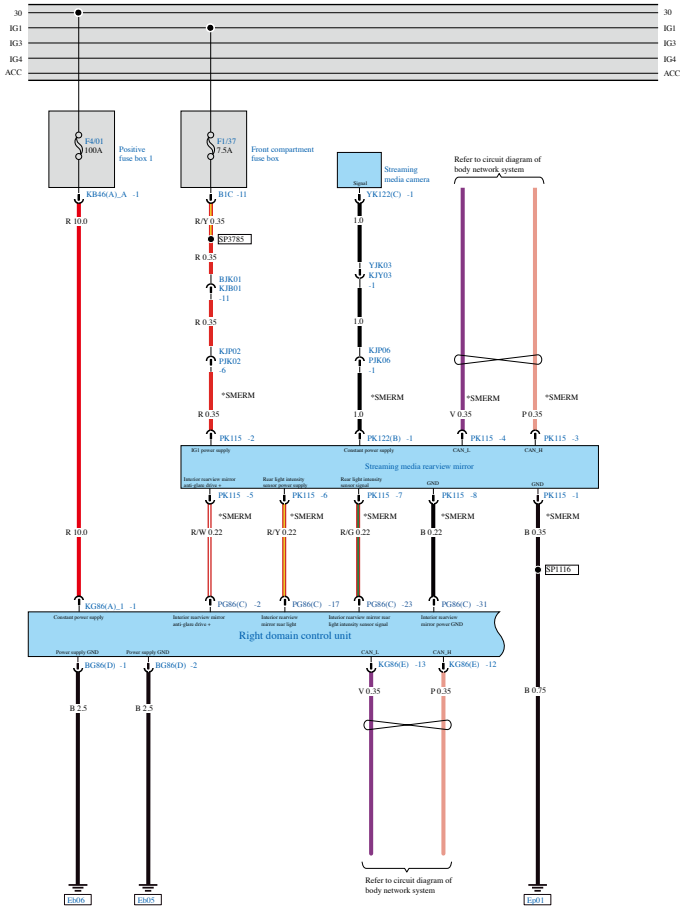
Circuit diagram of exterior rearview mirror electric adjustment system



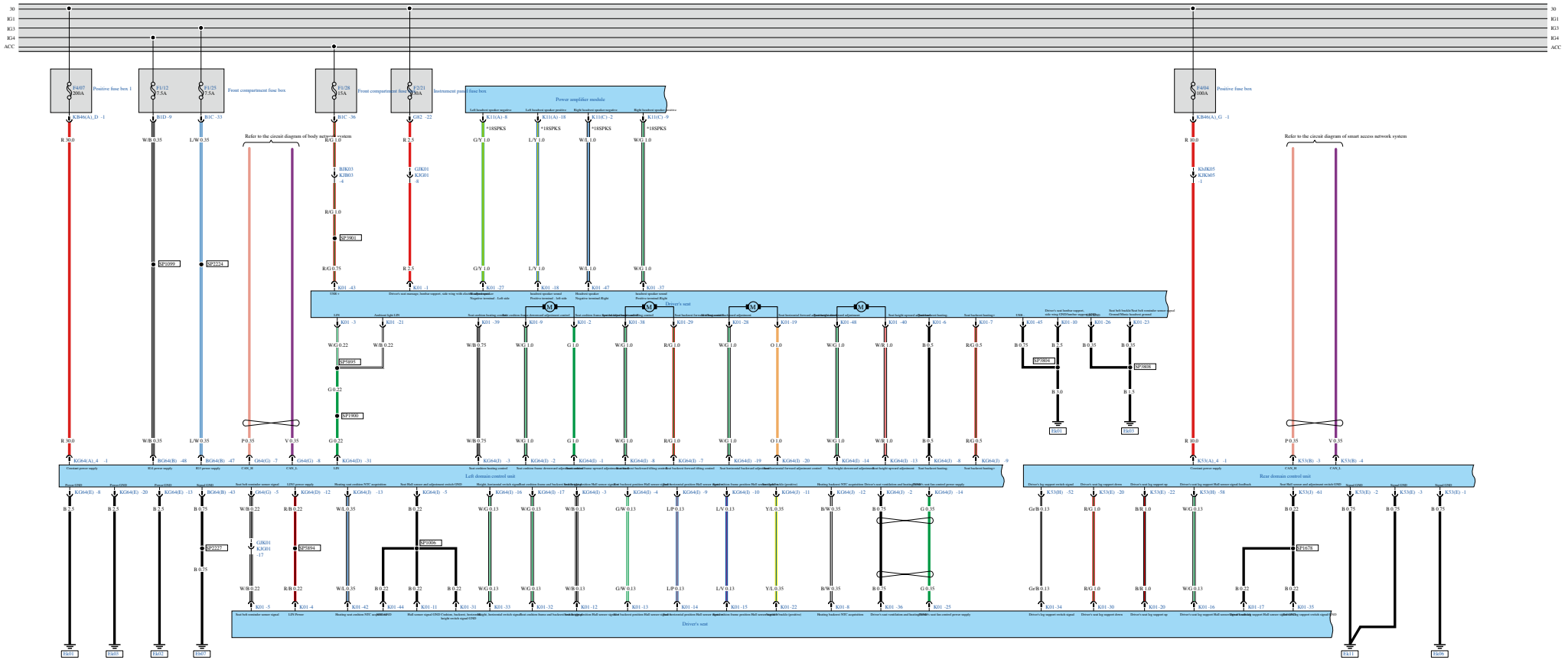
Circuit diagram of exterior rearview mirror and rear windshield heating system



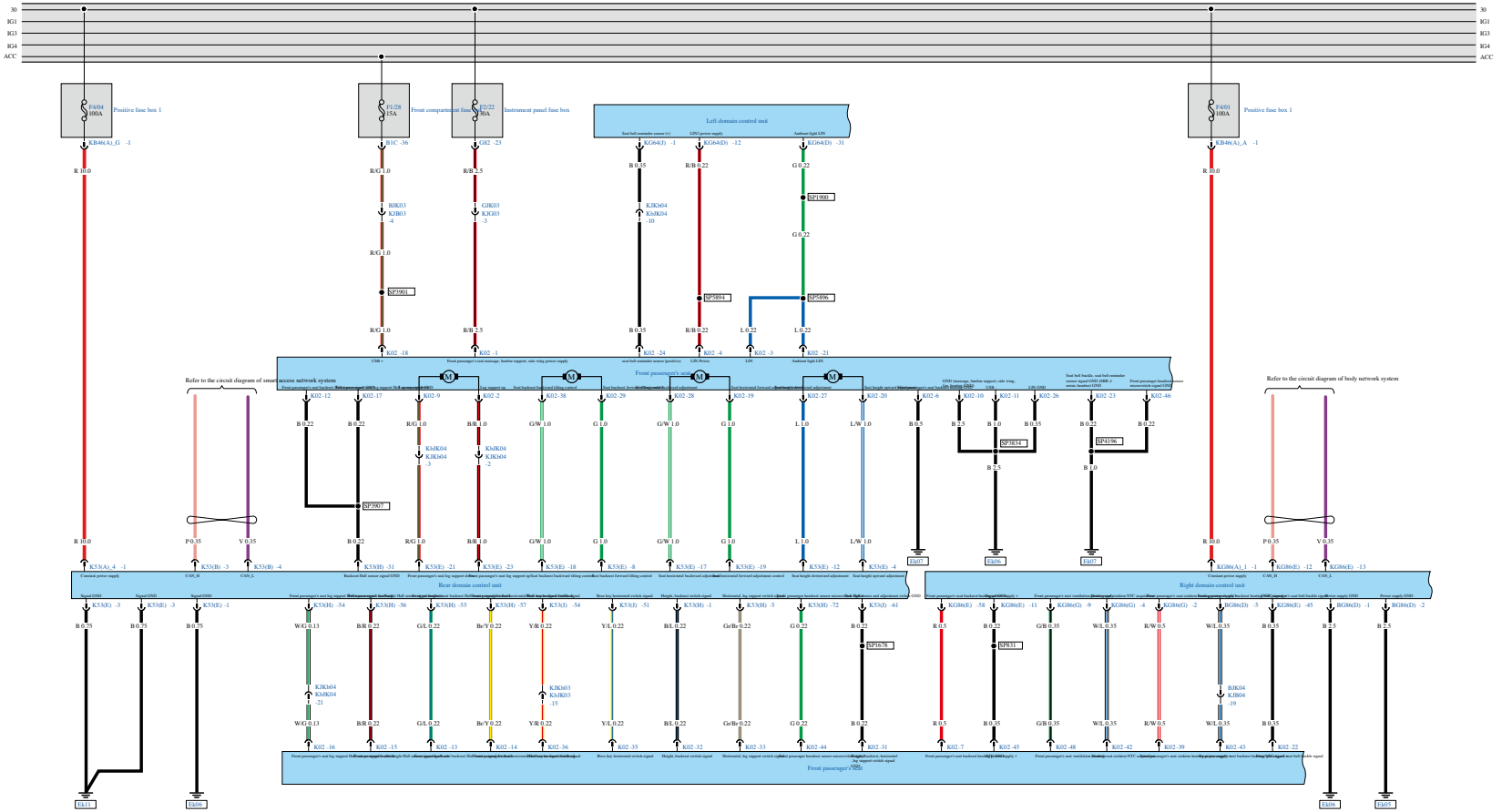
Circuit diagram of streaming media interior rearview mirror system



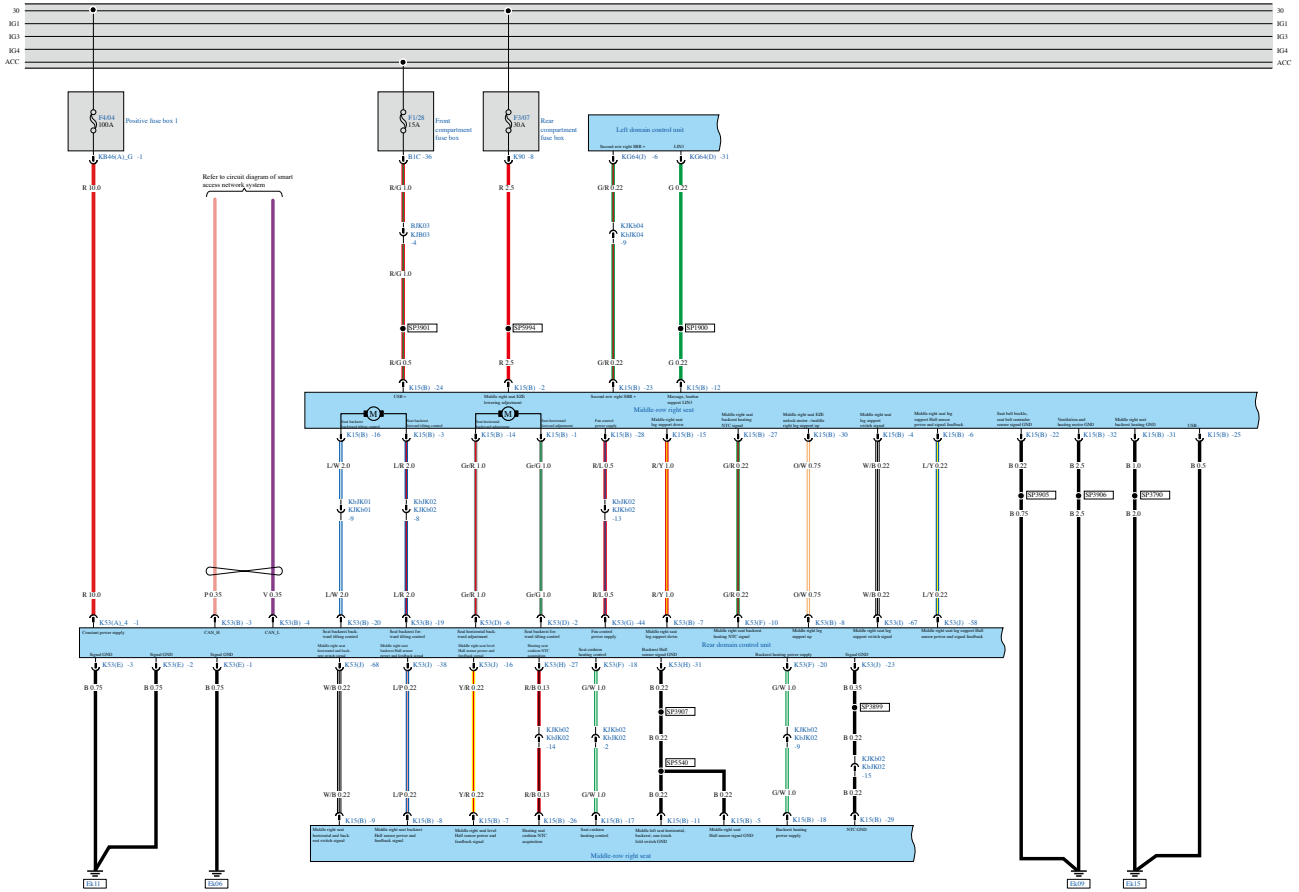
Circuit diagram of driver's seat system



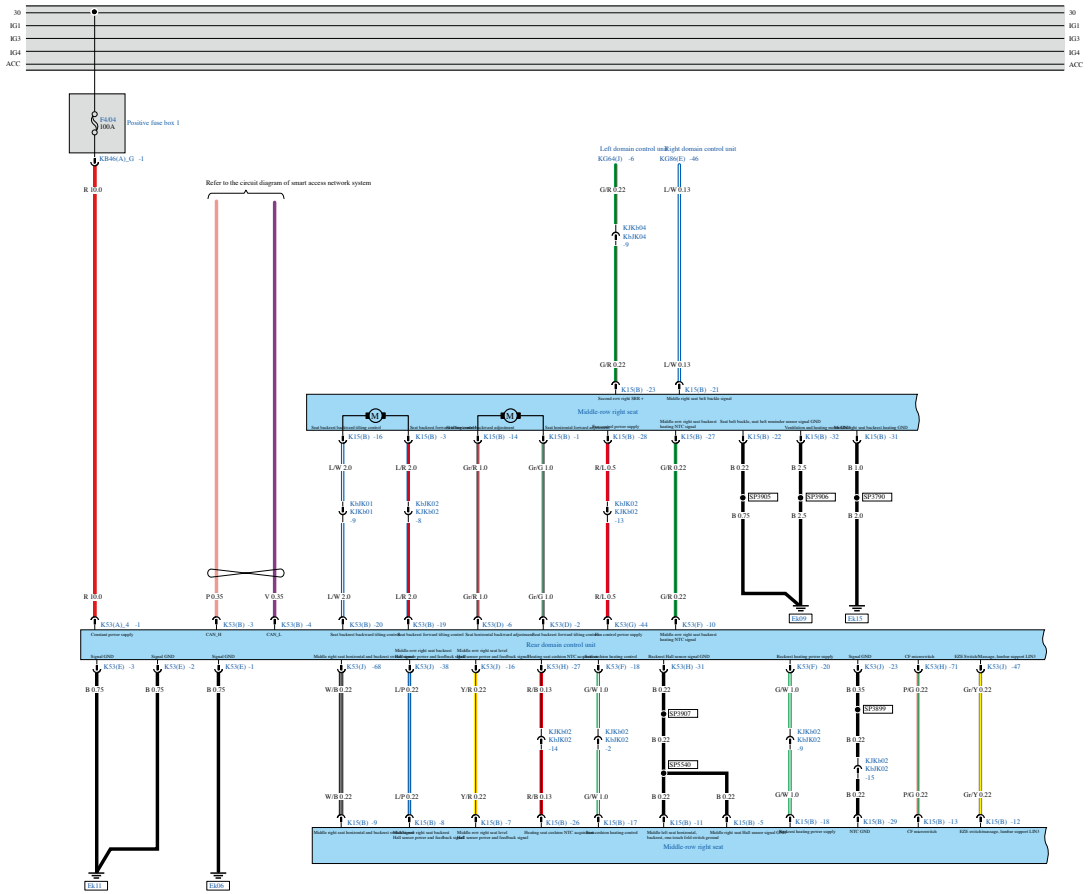
Front passenger's seat system circuit diagram



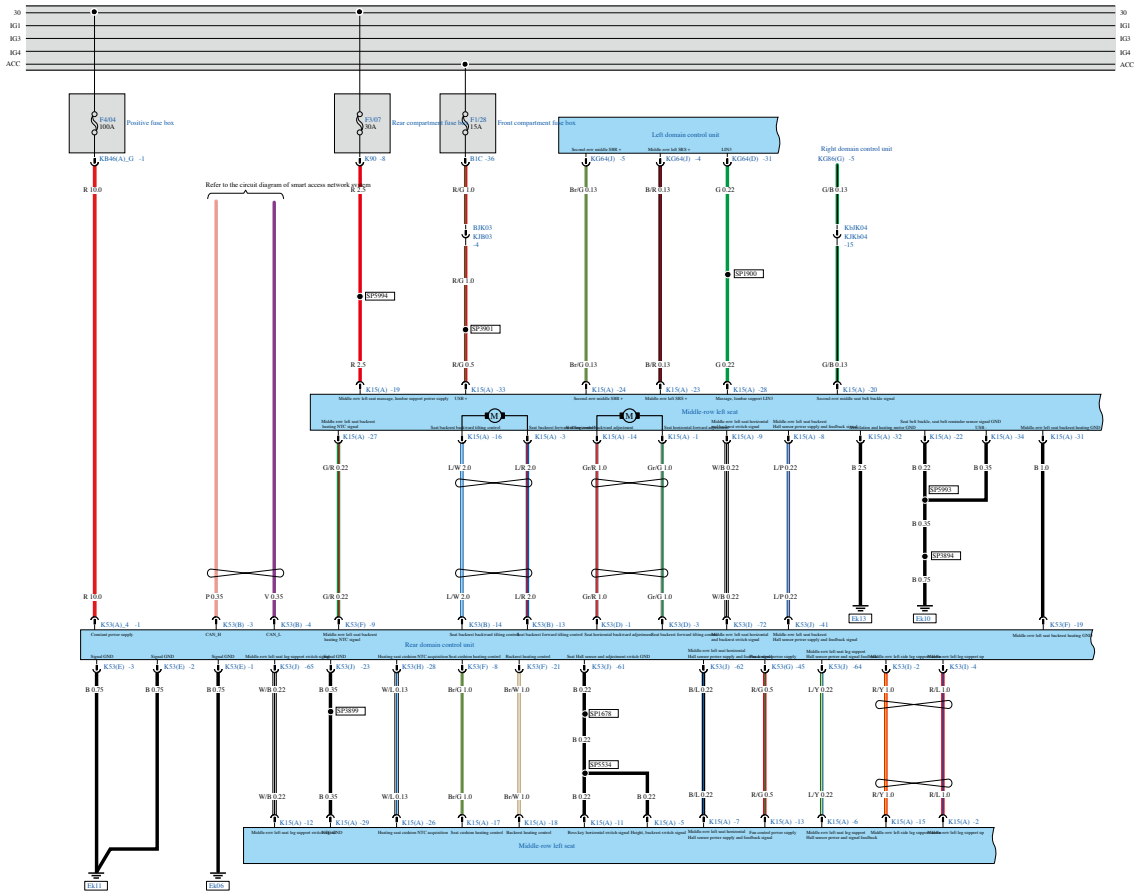
Circuit diagram of middle-row right seat system (6-seat)



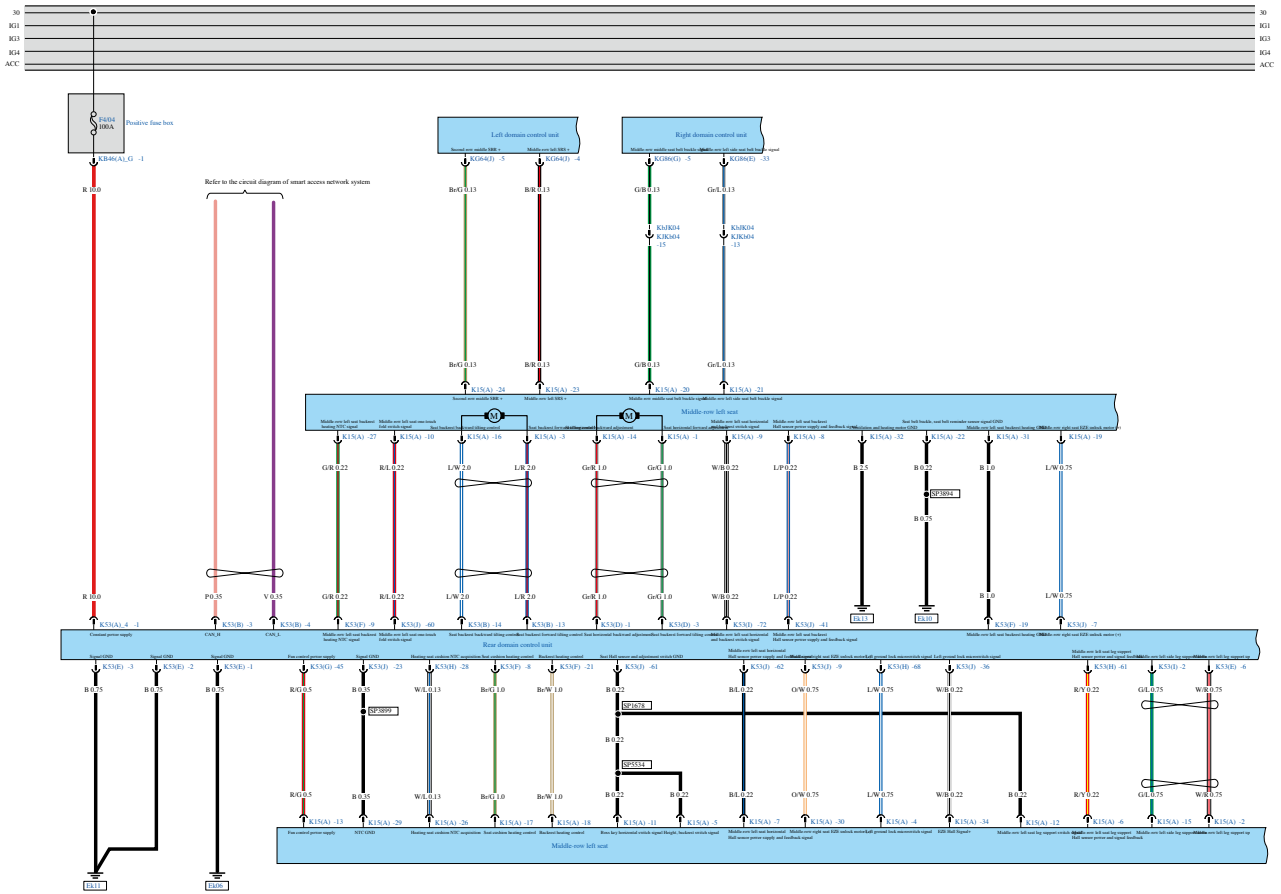
Circuit diagram of middle-row right seat system (7-seat)



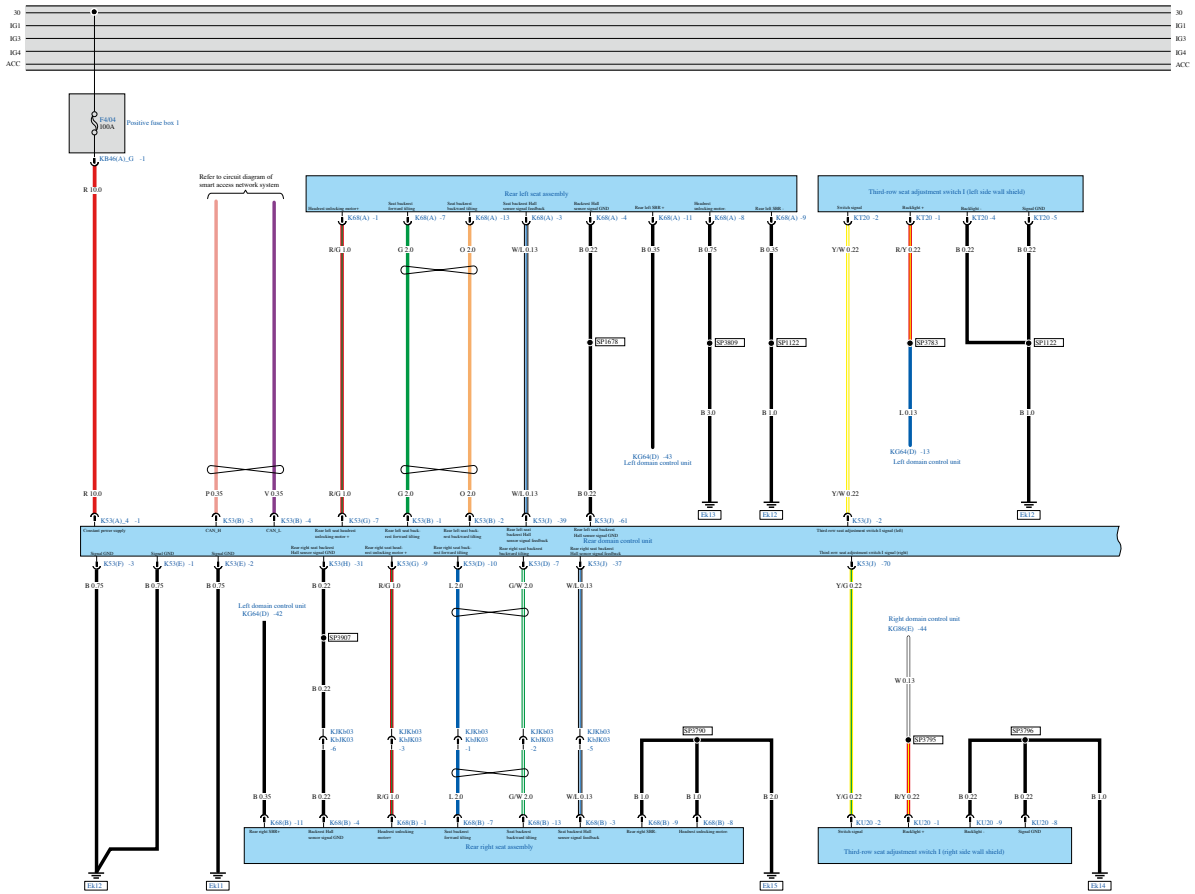
Circuit diagram for middle-row left seat system (6-seat)



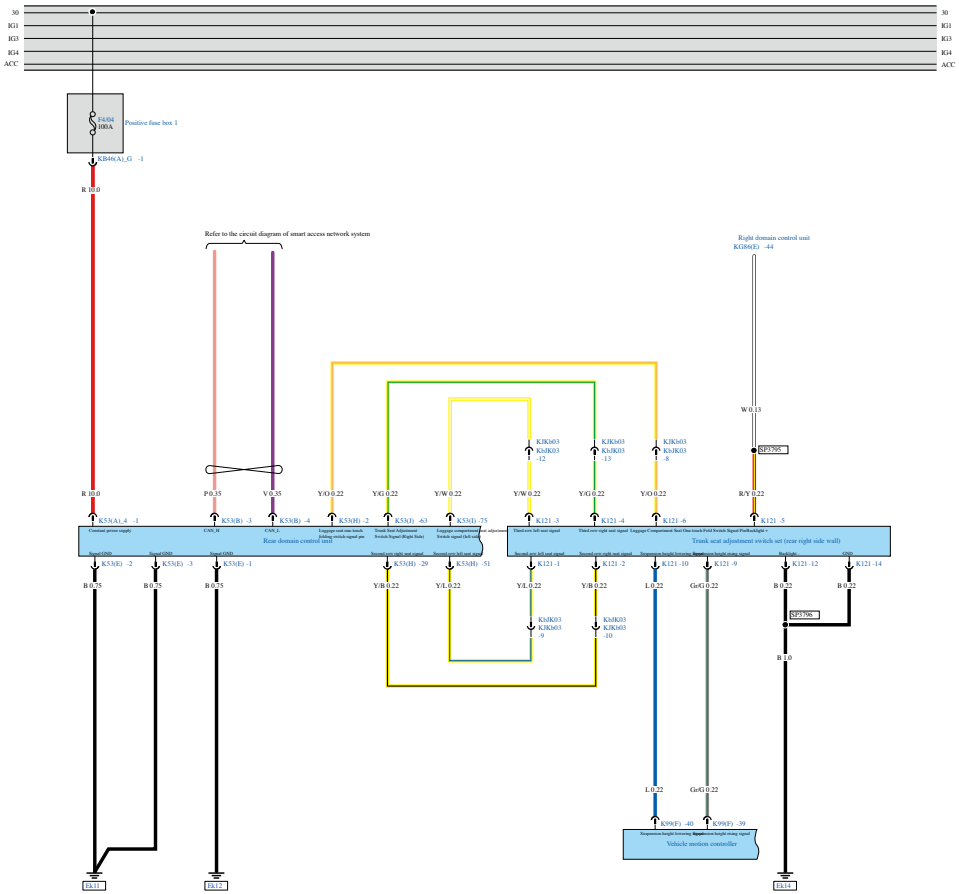
Circuit diagram of middle-row left seat system (7-seat)



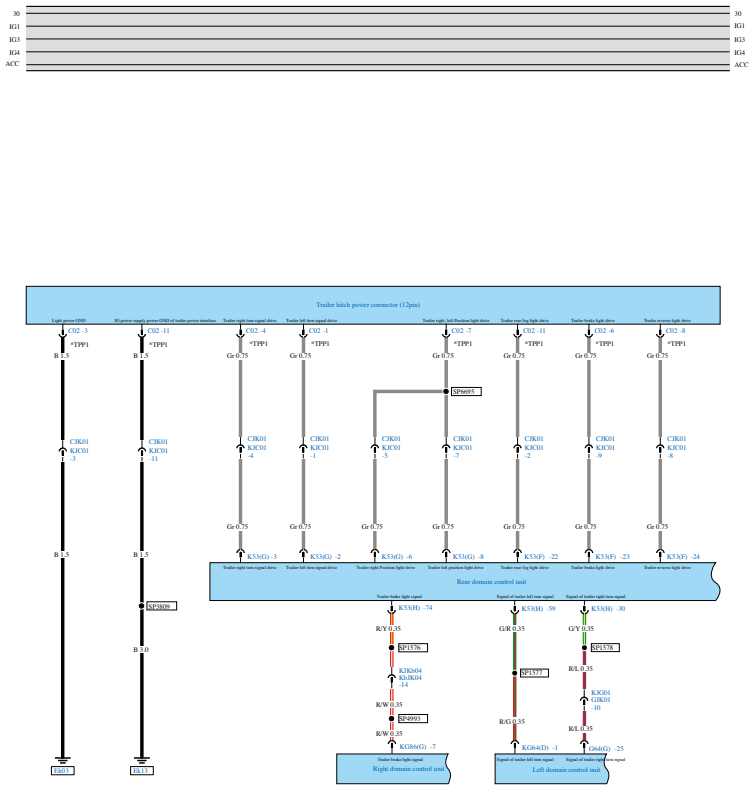
Rear seat circuit diagram



Circuit diagram of trunk seat adjustment switch



Trailer hitch power supply system circuit diagram (12pin)



Trailer hitch power supply system circuit diagram (13pin)

