
13.1 Fuses and relays 2

13.2 Layout of harnesses and their connectors 8

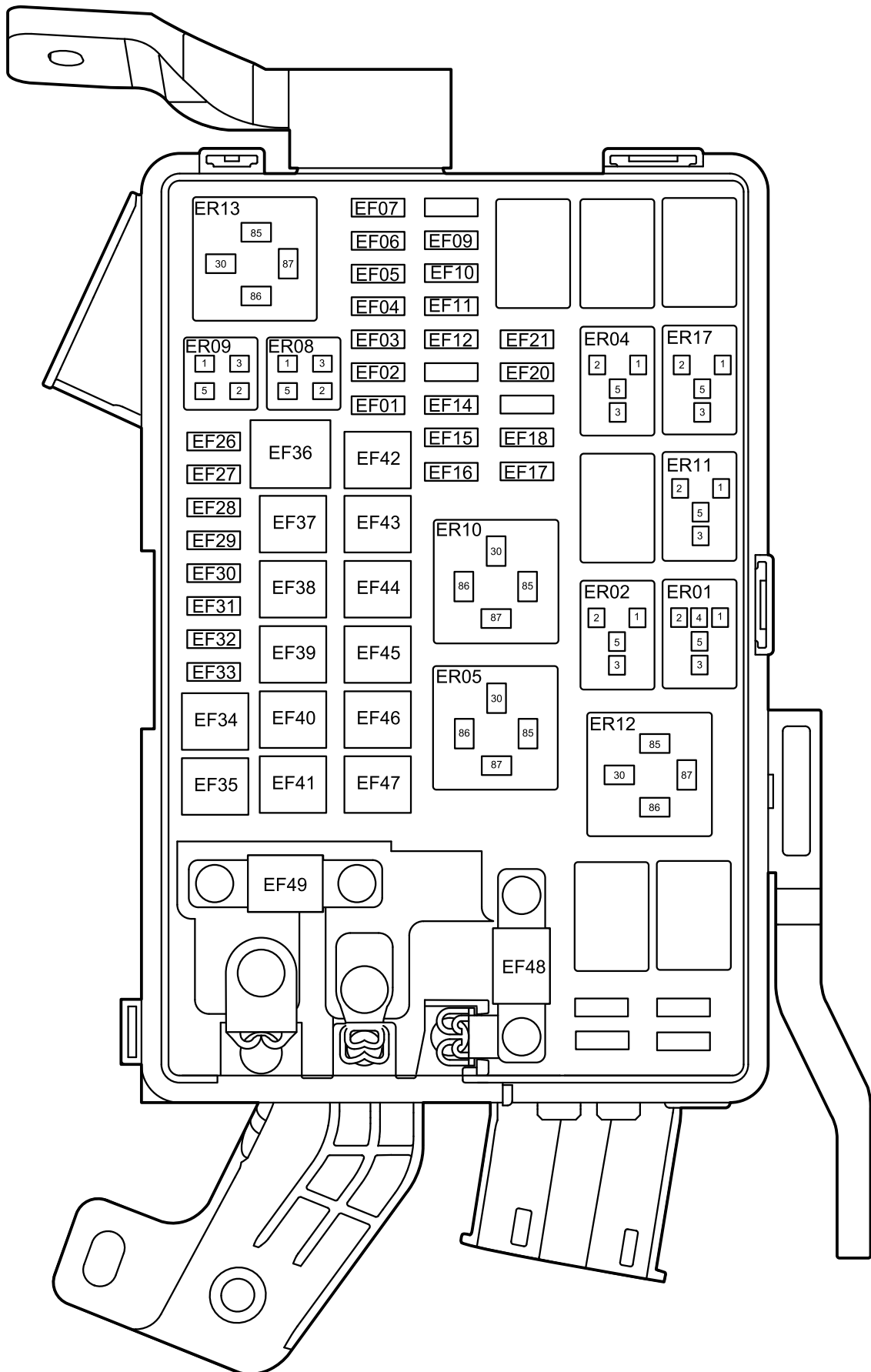
13.3 Grounding layout drawing..... 150

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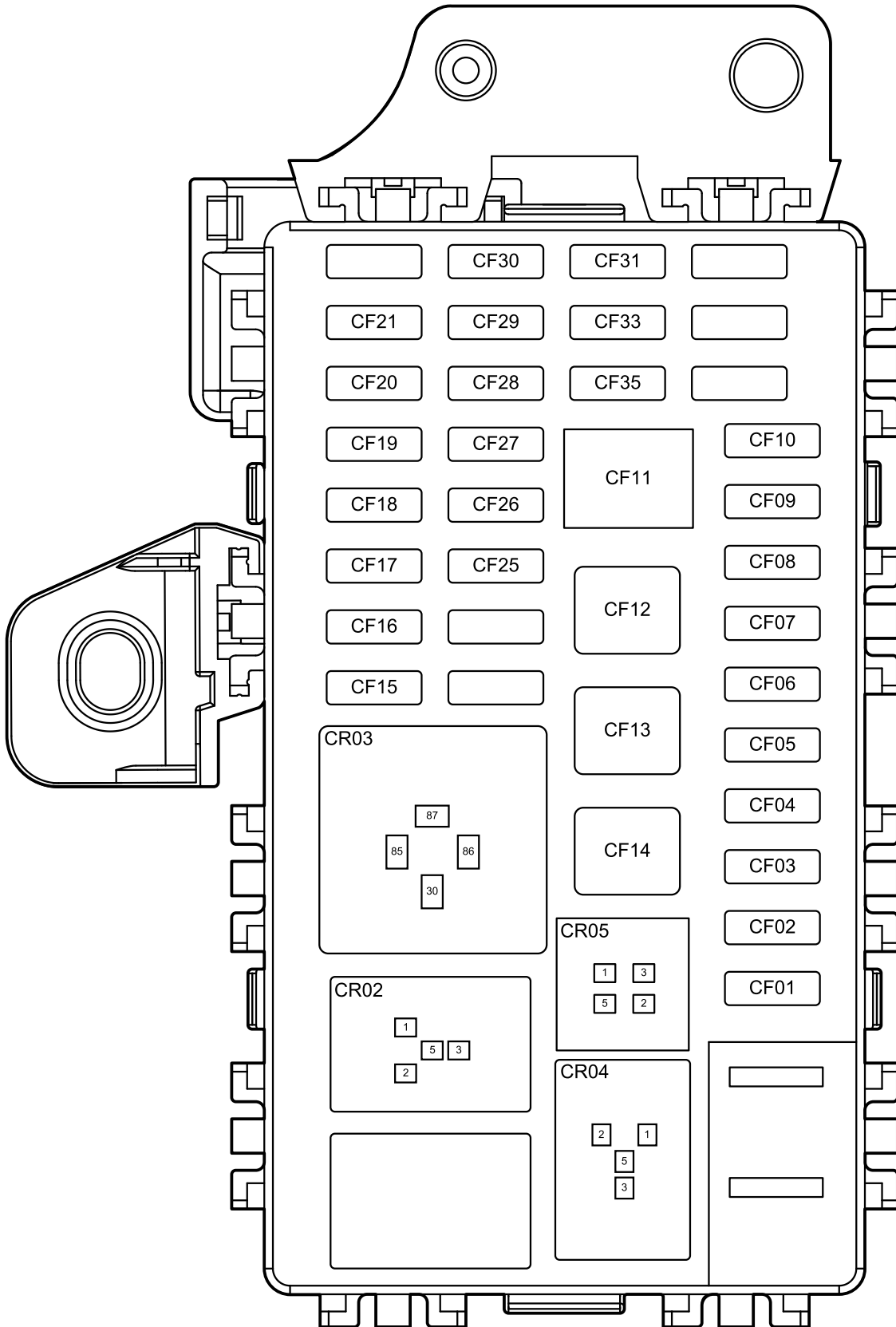
Front engine compartment fuse and relay box



No.	Name	Specification	Description
EF01	Brake light switch fuse	7.5A	-
EF02	Vehicle control unit fuse	10A	-
EF03	Integrated power controller fuse	15A	-
EF04	Battery management system/charger fuse	15A	-
EF05	Turn signal light power supply fuse	30A	-
EF06	Front turn signal light power supply/front middle position light fuse	10A	-
EF07	Horn fuse	15A	-
EF09	PWM fan relay feedback fuse	10A	Cooling fan, VCU
EF10	Cooling water pump relay feedback fuse	7.5A	-
EF11	High-speed fan relay feedback fuse	5A	-
EF12	Low-speed fan relay feedback fuse	5A	-
EF14	PWM fan/cooling water pump relay control fuse	10A	-
EF15	Vehicle control unit fuse	20A	-
EF16	Brake switch fuse	5A	-
EF17	ONE BOX/Vehicle control unit fuse	7.5A	-
EF18	Integrated power controller/charger fuse	7.5A	-
EF20	Low-speed alarm/gateway fuse	7.5A	-
EF21	Rear view mirror heating fuse	10A	-
EF26	A/C relay fuse	15A	-
EF27	Inlet grille fuse	7.5A	-
EF28	Front wiper fuse	30A	-
EF29	Compressor fuse	7.5A	-
EF30	Charging indicator light fuse	5A	-
EF31	Cooling water pump fuse	15A	-
EF32	Power amplifier fuse	30A	-
EF33	Gateway fuse	10A	-
EF34	Rear defroster fuse	25A	-
EF35	PWM fan/Low-speed fan fuse	30A	-
EF36	IBS fuse	60A	-
EF37	Passenger seat fuse	25A	-
EF38	Blower fuse	40A	-
EF39	Instrument fuse box IG2 fuse	25A	-
EF40	Driver seat fuse	25A	Seat module, driver seat adjustment switch, driver seat heating module
EF41	Left window fuse (for four-door anti-pinch model)	25A	-

No.	Name	Specification	Description
EF41	Corrugated anti-pinch fuse (for corrugated anti-pinch model)	30A	-
EF42	Instrument fuse box B+ fuse	60A	-
EF43	Electronic parking brake fuse	30A	-
EF44	High-speed fan fuse	40A	-
EF45	ONE BOX motor fuse (type I)	60A	-
EF45	Electronic parking brake fuse (type II)	30A	-
EF46	ONE BOX module fuse	40A	-
EF47	Instrument fuse box fuse	50A	-
EF48	Electric power steering fuse	80A	-
EF49	Charger fuse	150A	-
ER01	Low-speed wiper relay	-	-
ER02	High-speed wiper relay	-	-
ER04	A/C main relay	-	-
ER05	Main relay	-	-
ER08	Horn relay	-	-
ER09	PWM fan control relay	-	-
ER10	Blower relay	-	-
ER11	Rear defroster relay	-	-
ER12	Low-speed fan relay	-	-
ER13	High-speed fan relay	-	-
ER17	Cooling water pump relay	-	-

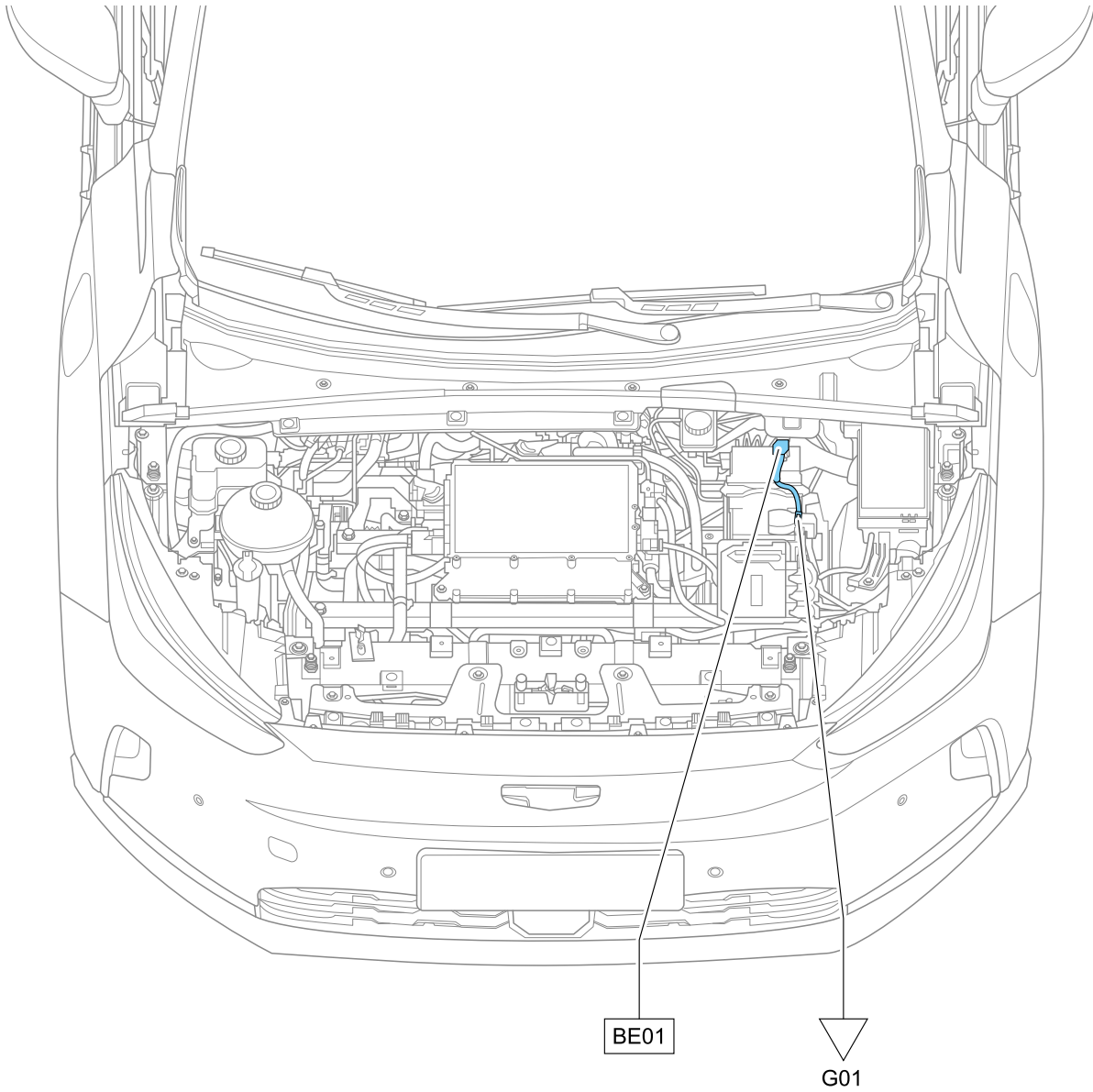
Interior fuse and relay



No.	Name	Specification	Description
CF01	Exterior light power supply 1 fuse	30A	-
CF02	Exterior light power supply 2 fuse	30A	-
CF03	DLC fuse	10A	-
CF04	Central control unit (CCU) fuse	30A	-
CF05	Door lock power supply fuse	30A	-
CF06	Around view monitor/dashboard camera/heads up display/RF receiver/mobile phone wireless charger/monocular camera/charger controller fuse	10A	Heads up display, automatic parking module, RF receiving module, electronic toll collection, dashboard camera, front monocular camera, rain sensor, wireless charging module, right blind zone monitoring controller, left blind zone monitoring controller, charger controller
CF07	Electronic gear selector/combo switch/rearview mirror switch/A/C panel	10A	Combination switch (light & wiper), combination switch (column shifter), left front concealed door handle, exterior rearview mirror adjustment switch
CF08	Gateway fuse	5A	-
CF09	Multimedia display screen/driver monitoring module fuse	10A	-
CF10	Electronic steering column lock fuse	15A	-
CF11	Marine insurance fuse	25A	-
CF12	Door handle control module fuse	20A	-
CF13	Sunroof/sunshade fuse	20A	-
CF14	Right window fuse (for four-door anti-pinch model)	25A	-
CF14	Corrugated anti-pinch fuse (for corrugated anti-pinch model)	30A	-
CF15	Battery management system/CCU IG2 fuse	10A	-
CF16	Rear wiper fuse	15A	-
CF17	Washer motor fuse	15A	-
CF18	Backup power supply fuse	20A	-
CF19	CCU/around view monitor module/rear seat USB fuse	10A	IBC, automatic parking module power supply
CF20	Dashboard camera/thermal management control module/vehicle-mounted entertainment console/driver monitoring system/dimming interior mirror fuse	10A	Ionizer, AQS, thermal management control module, Head unit, dashboard camera, electronic dimming mirror
CF21	USB fuse	15A	-

No.	Name	Specification	Description
CF25	Seat module/electronic toll collection/ front monocular camera/sunshade/ charger controller fuse	10A	Sunshade module, charger controller, seat module, front passenger seat cushion fan, front passenger seat squab fan, driver seat cushion fan, driver seat seat squab fan, front monocular camera, electronic toll collection
CF26	CCU/vehicle-mounted mobile terminal/ combination switch/gateway/E-CALL fuse	10A	IBC, T-BOX module, combination switch (light & wiper), E-CALL, Instrument cluster
CF27	Front engine compartment fuse box IG1 fuse	15A	-
CF28	Steering angle sensor/electric power steering/electronic gear selector/ electronic steering column lock fuse	10A	-
CF29	Airbag fuse	10A	-
CF30	Fragrance system/air quality management system/PM2.5/Instrument cluster/Thermal management module fuse	10A	Left rear middle reversing radar probe, left rear reversing radar probe, right rear middle reversing radar probe, reversing radar controller, PM2.5 sensor, left front reversing radar probe, left front middle reversing radar probe, right front reversing radar probe, right front middle reversing radar probe
CF31	Ambient light fuse	5A	-
CF33	Thermal management module/ instrument cluster/vehicle-mounted mobile terminal/E-CALL fuse	10A	Instrument cluster, E-CALL, T-BOX module, thermal management module, instrument cluster display screen
CF35	Entertainment console fuse	15A	-
CR02	IG1 relay	-	-
CR03	ACC relay	-	-
CR04	IG2 relay	-	-
CR05	Rear wiper relay	-	-

Battery negative harness layout drawing

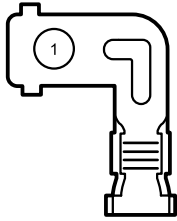


Battery negative harness connector list

Harness connector	Name	Harness connector	Name
BE01	Battery terminal negative harness connector	-	-

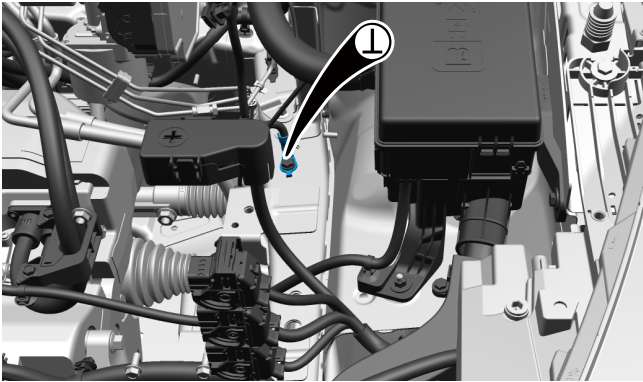
Battery negative harness terminal definition

BE01 battery negative harness connector

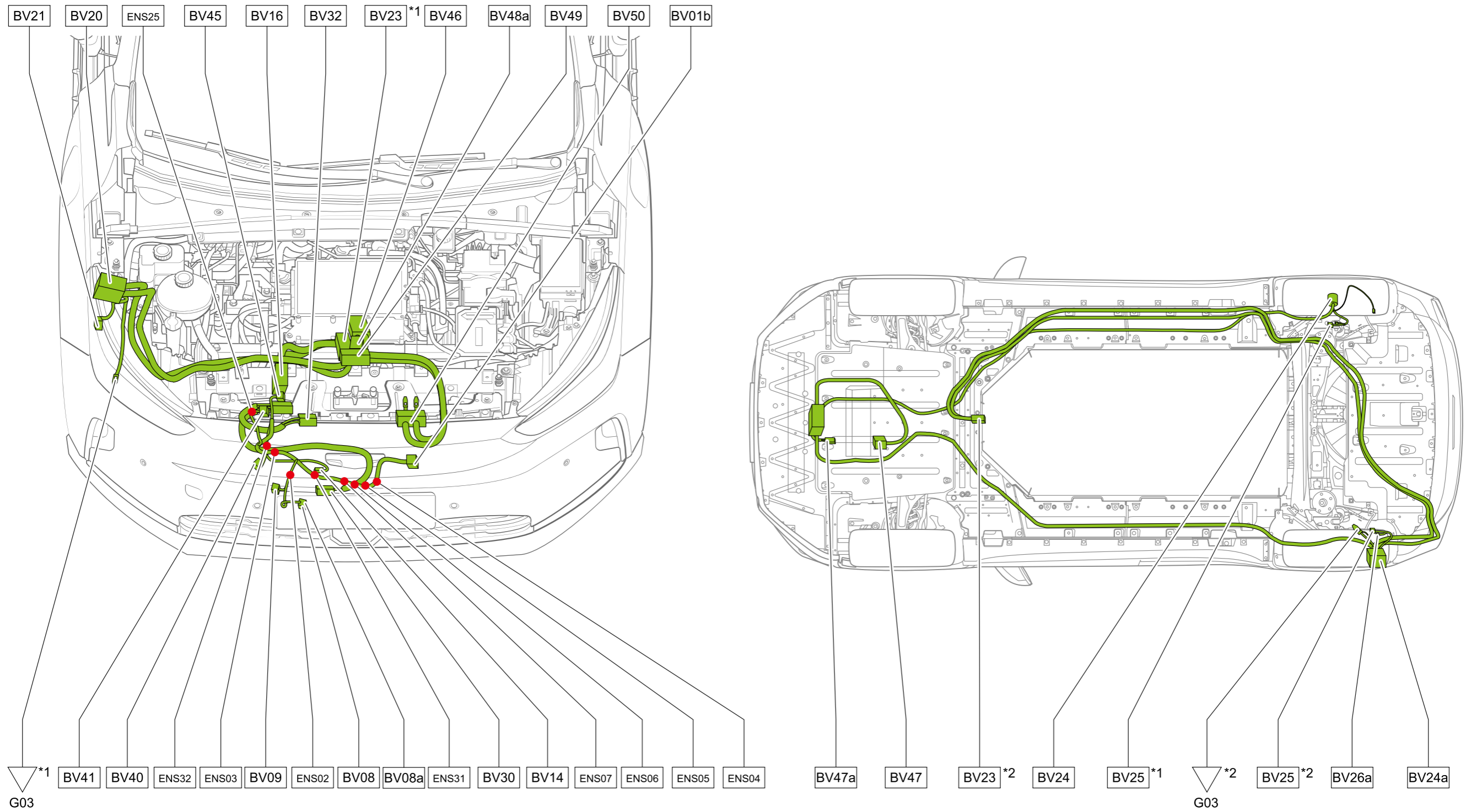


Pin	Functions	Note
1	Grounding	-

G01 Battery negative harness grounding



Power harness layout drawing



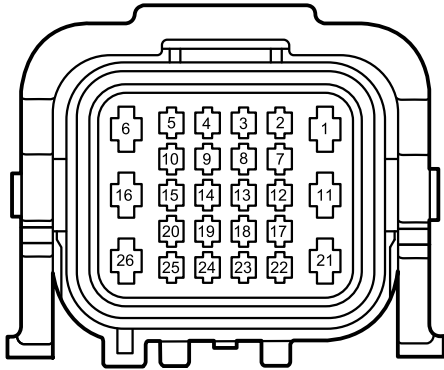
*1: Domestic model
 *2: Overseas model

Power harness connector list

Harness connector	Name	Harness connector	Name
BV01b	Power harness to motor compartment harness connector	BV26a	To low-voltage harness connector 2
BV08	A/C compressor harness connector (for Mitsubishi electric compressor model)	BV30	To electric compressor harness connector 1
BV08a	A/C compressor harness connector (for Highly electric compressor model)	BV32	To PTC heating controller harness connector 1
BV09	Motor water pump harness connector	BV40	Heating water pump harness connector
BV14	Battery cooling water pump harness connector	BV41	Power harness to PTC harness connector
BV16	To power battery harness connector 1	BV45	Integrated power controller harness connector 1
BV20	DC charging socket harness connector	BV46	High-low voltage charging system harness connector 1
BV21	To low-voltage harness connector (DC) 1	BV47	High-low voltage charging system harness connector 2 (overseas)
BV23	To power battery harness connector 2	BV47a	High-low voltage charging system harness connector 2 (domestic)
BV24	AC charging socket harness connector (domestic)	BV48a	High-low voltage charging system harness connector 5
BV24a	Charging socket harness connector (overseas)	BV49	High-low voltage charging system harness connector 6
BV25	To low-voltage harness connector (AC)	BV50	Integrated power controller harness connector 2

Power harness terminal definition

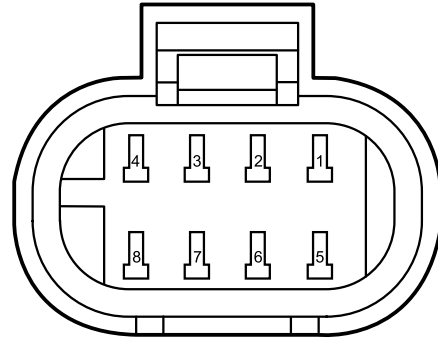
BV01b Power harness to engine compartment harness connector



Pin	Functions	Note
1	-	-
2	-	-
3	Battery cooling water pump/heating water pump/PTC heating controller 2 power supply	-
4	Battery cooling water pump control signal	-
5	LIN Communication	-
6	Grounding	-
7	Heating water pump control signal	-
8	HB CAN-L	-
9	HB CAN-H	-
10	B+Power supply	-
11	-	-
12	High voltage interlock signal output	-
13	Private CAN-H1	-
14	Private CAN-L1	-
15	Private CAN-L2	-
16	B+Power supply	-
17	Grounding	-
18	IG1 power supply	-
19	HB CAN-L	-
20	HB CAN-H	-
21	-	-
22	High voltage interlock signal output	-
23	Motor-driven water pump power supply	-
24	Motor water pump control signal	-

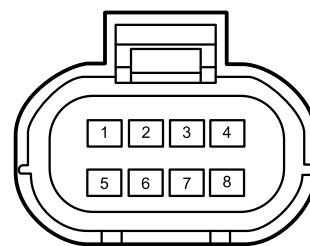
Pin	Functions	Note
25	Private CAN-H2	-
26	-	-

BV08 A/C compressor harness connector (for Mitsubishi electric compressor model)



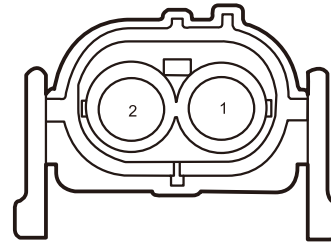
Pin	Functions	Note
1	B+Power supply	-
2	LIN Communication	-
3	Grounding	-
4	-	-
5	-	-
6	High voltage interlock input signal	-
7	High voltage interlock output signal	-
8	-	-

BV08a A/C compressor harness connector (for Highly electric compressor model)

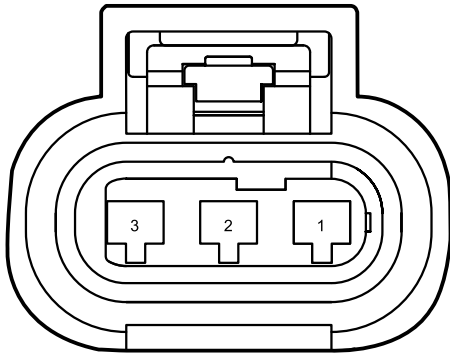


Pin	Functions	Note
1	-	-
2	Grounding	-
3	LIN Communication	-
4	B+Power supply	-
5	-	-
6	High voltage interlock output signal	-

Pin	Functions	Note
7	High voltage interlock input signal	-
8	-	-



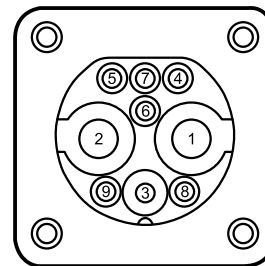
BV09 Motor water pump harness connector



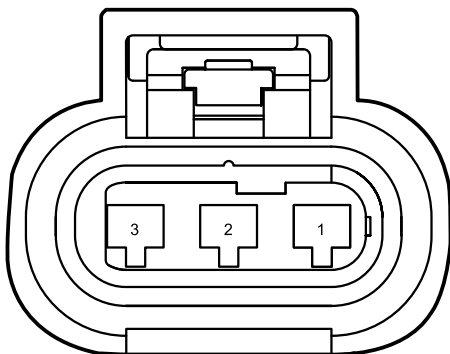
Pin	Functions	Note
1	Main loop high voltage total negative	-
2	Main loop high voltage total positive	-

BV20 DC Charging socket harness connector

Pin	Functions	Note
1	Grounding	-
2	Control signal	-
3	Power supply	-



BV14 Battery cooling water pump harness connector

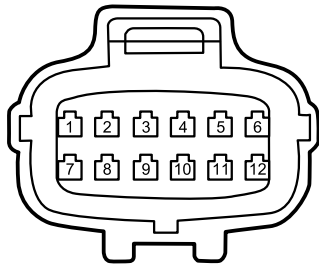


Pin	Functions	Note
1	Power battery positive	-
2	Power battery negative	-
3	Grounding	-
4	Fast-charging CAN-H	-
5	Fast-charging CAN-L	-
6	-	-
7	DC charging confirmation signal	-
8	Fast-charging wake-up signal positive	-
9	Fast-charging wake-up signal negative	-

Pin	Functions	Note
1	Grounding	-
2	Control signal	-
3	Power supply	-

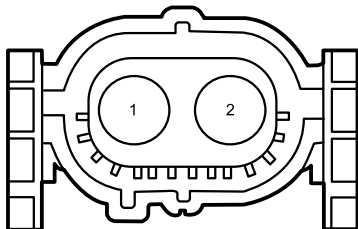
BV16 Power battery harness connector 1

BV21 To low-voltage harness connector (DC) 1



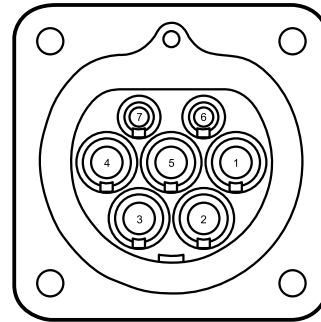
Pin	Functions	Note
1	-	-
2	DC charging confirmation signal	-
3	Fast-charging CAN-H	-
4	Fast-charging CAN-L	-
5	Fast-charging wake-up signal positive	-
6	Fast-charging wake-up signal negative	-
7	-	-
8	DC charging socket temperature sensor signal 1 positive	-
9	DC charging socket temperature sensor signal 1 negative	-
10	-	-
11	DC charging socket temperature sensor signal 2 positive	-
12	DC charging socket temperature sensor signal 2 negative	-

BV23 Power battery harness connector 2



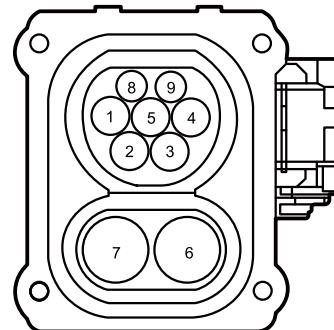
Pin	Functions	Note
1	Power battery negative	-
2	Power battery positive	-

BV24 AC charging socket harness connector (domestic)



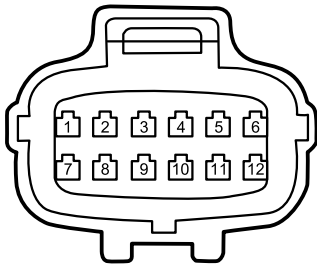
Pin	Functions	Note
1	AC charging live line (L)	-
2	-	-
3	-	-
4	AC charging null line (N)	-
5	Grounding	-
6	AC charging confirmation CC signal	-
7	AC charging confirmation CP signal	-

BV24a Charging socket harness connector (overseas)



Pin	Functions	Note
1	AC charging live line L1	-
2	AC charging live line L2	-
3	AC charging live line L3	-
4	AC charging null line (N)	-
5	Grounding	-
6	DC charging positive	-
7	DC charging negative	-
8	Charging socket PP signal	-
9	Charging socket CP signal	-

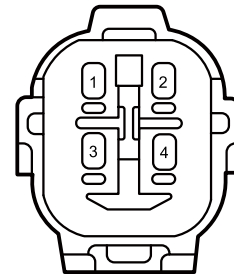
BV25 To low-voltage harness connector (AC)



Pin	Functions	Note
1	AC charging socket lock-up motor positive	Domestic version
1	AC charging socket temperature sensor 2 positive	Over-seas Edition
2	AC charging socket temperature sensor 2 negative	-
3	AC charging socket lock-up motor negative	Domestic version
3	AC charging socket temperature sensor 1 positive	Over-seas Edition
4	AC charging socket temperature sensor 1 negative	-
5	AC charging socket lock-up motor sensor	Domestic version
5	Quick charging anode temperature sensor signal positive	Over-seas Edition
6	Quick charging anode temperature sensor signal negative	-
7	AC charging socket temperature sensor 2 positive	Domestic version
7	Quick charging cathode temperature sensor signal positive	Over-seas Edition
8	AC charging confirmation CC signal	Domestic version
8	Quick charging cathode temperature sensor signal negative	Over-seas Edition
9	AC charging confirmation CP signal	Domestic version

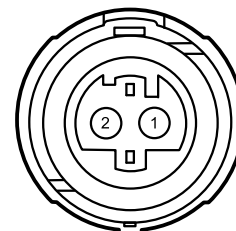
Pin	Functions	Note
9	Charging socket PP signal	Over-seas Edition
10	AC charging socket temperature sensor 1 positive	Domestic version
10	Charging socket CP signal	Over-seas Edition
11	AC charging socket temperature sensor 1 negative	-
12	AC charging socket temperature sensor 2 negative	-

BV26a To low-voltage harness connector 2



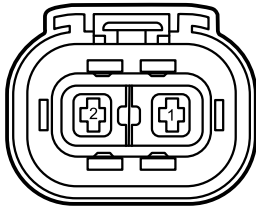
Pin	Functions	Note
1	AC charging socket lock-up motor positive	-
2	AC charging socket lock-up motor negative	-
3	AC charging socket lock-up motor sensor signal positive	-
4	AC charging socket lock-up motor sensor signal negative	-

BV30 To power compressor harness connector 1



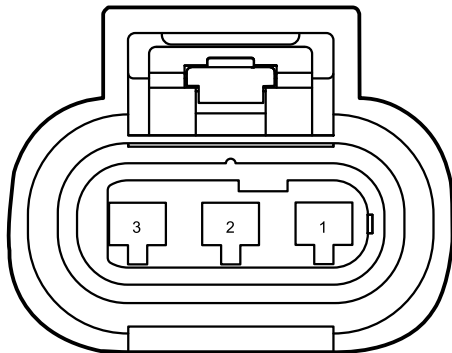
Pin	Functions	Note
1	Compressor positive	-
2	Compressor negative	-

BV32 To PTC heating controller harness connector 1



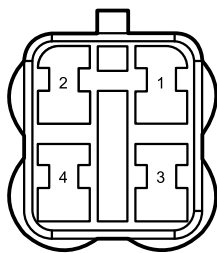
Pin	Functions	Note
1	Heater positive	-
2	Heater negative	-

BV40 Heating water pump harness connector



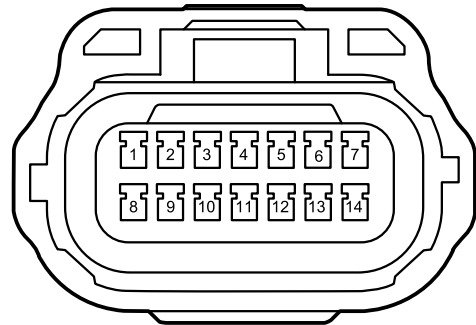
Pin	Functions	Note
1	Grounding	-
2	Control signal	-
3	Power supply	-

BV41 Power harness to PTC harness connector



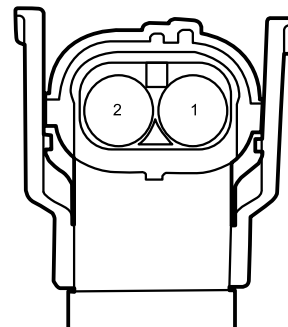
Pin	Functions	Note
1	PTC heating controller 2 power supply	-
2	LIN Communication	-
3	High voltage interlock signal output	-
4	High voltage interlock signal output	-

BV45 Integrated power controller harness connector 1



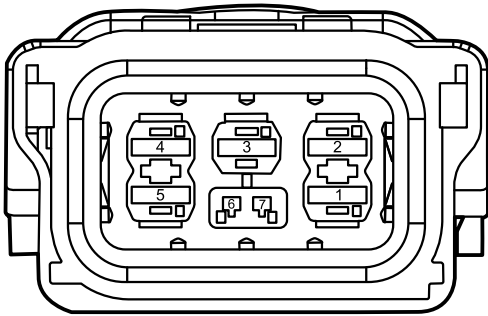
Pin	Functions	Note
1	B+Power supply	-
2	Grounding	-
3	-	-
4	-	-
5	B+Power supply	-
6	Private CAN-H	-
7	HB CAN-H	-
8	B+Power supply	-
9	Grounding	-
10	-	-
11	IG1 power supply	-
12	Grounding	-
13	Private CAN-L	-
14	HB CAN-L	-

BV46 High-low voltage charging system harness connector 1



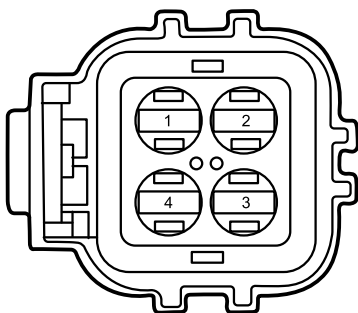
Pin	Functions	Note
1	Power battery negative	-
2	Power battery positive	-

BV47 High-low voltage charging system harness connector 2 (overseas)



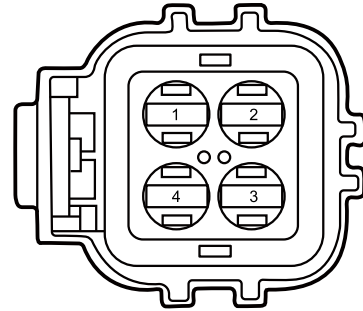
Pin	Functions	Note
1	AC charging live line L1	-
2	AC charging live line L2	-
3	-	-
4	AC charging live line L3	-
5	AC charging null line (N)	-
6	-	-
7	-	-

BV47a High-low voltage charging system harness connector 2 (domestic)



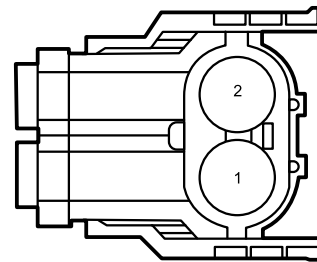
Pin	Functions	Note
1	AC charging live line (L)	-
2	AC charging null line (N)	-
3	Grounding	-
4	-	-

BV48a High and low voltage charging system harness connector 5



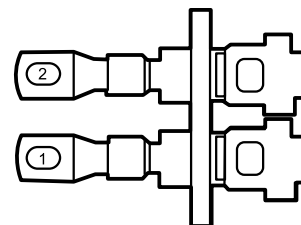
Pin	Functions	Note
1	PTC heater negative	-
2	Motor compressor negative	-
3	Motor compressor positive	-
4	PTC heater positive	-

BV49 High and low voltage charging system harness connector 6



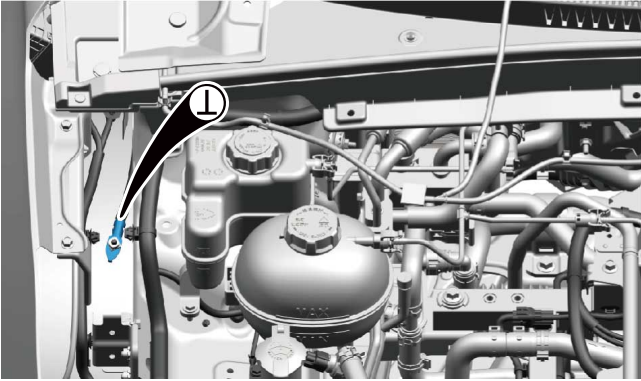
Pin	Functions	Note
1	Integrated power controller negative	-
2	Integrated power controller positive	-

BV50 Integrated power controller harness connector 2

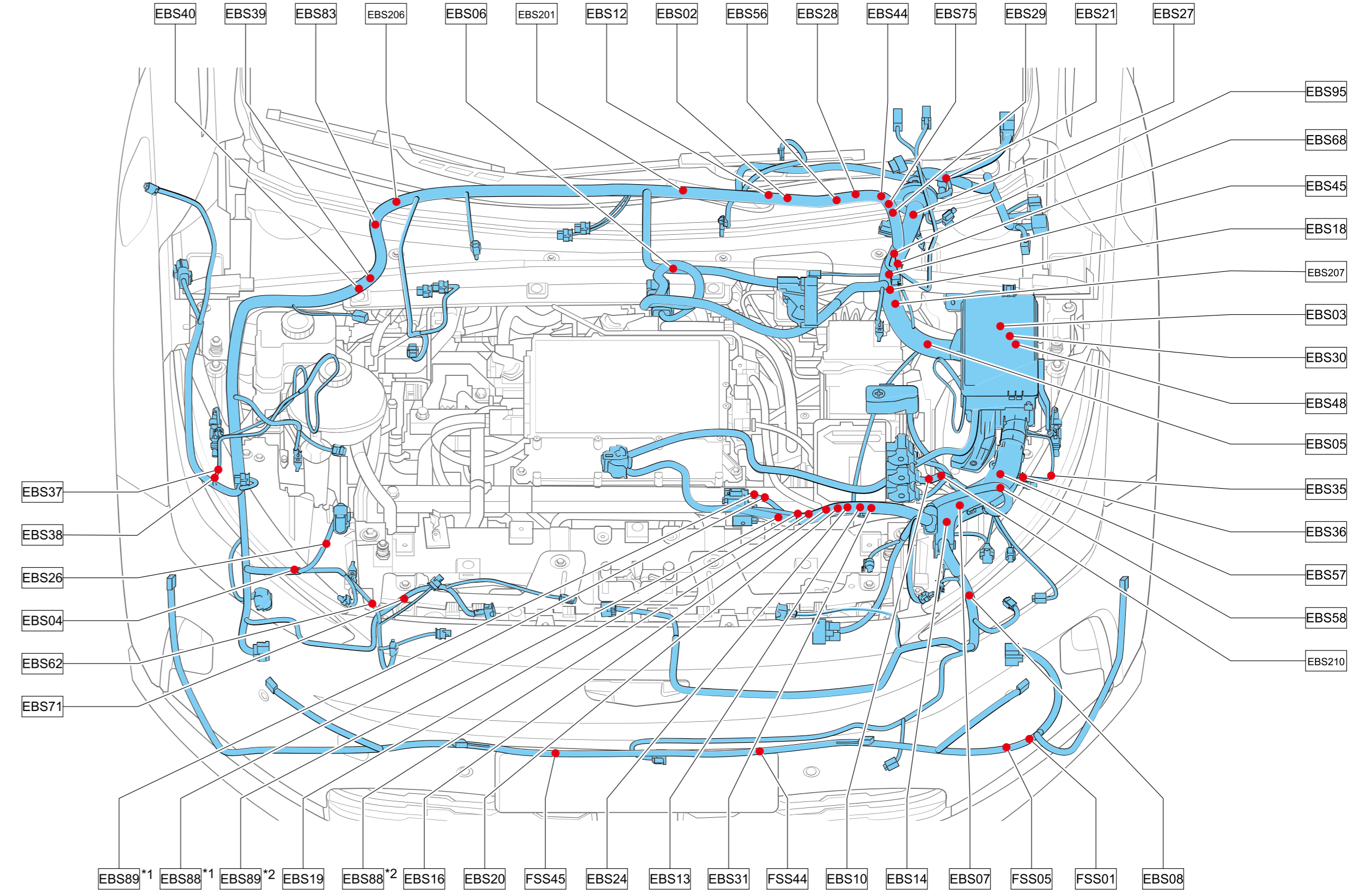
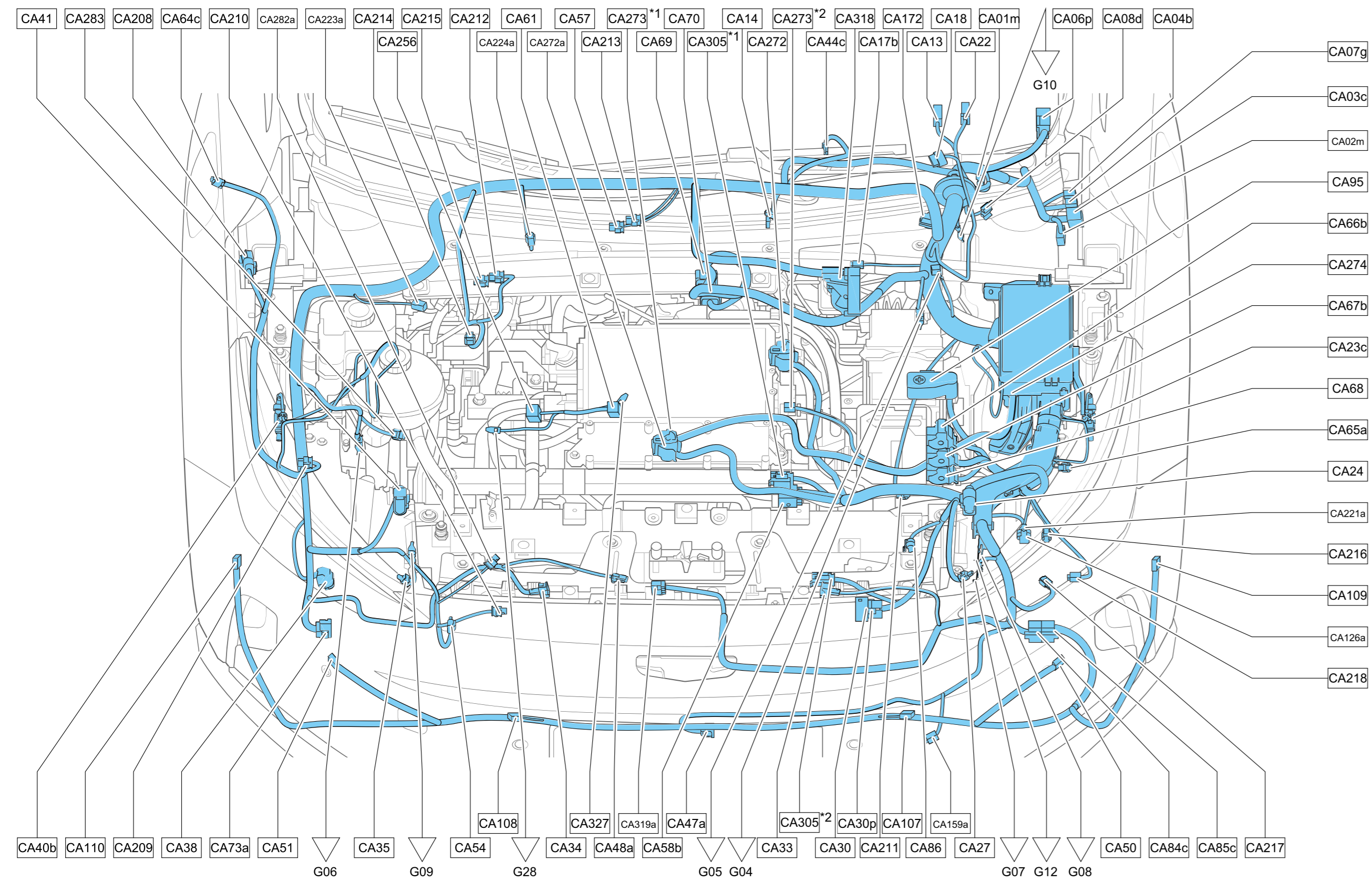


Pin	Functions	Note
1	Integrated power controller negative	-
2	Integrated power controller positive	-

G03 Power harness grounding



Front engine compartment harness layout drawing



*1: Domestic model
*2: Overseas model

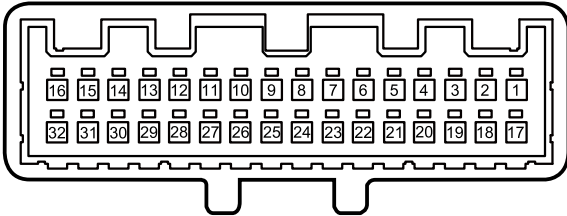
Front engine compartment harness connector list

Harness connector	Name	Harness connector	Name
CA01m	Engine compartment harness to instrument panel harness connector 2	CA70	BMS module harness connector B
CA02m	Engine compartment harness to instrument panel harness connector 1	CA73a	Low-speed alarm controller harness connector
CA03c	Engine compartment harness to instrument panel harness connector 3	CA84c	Engine compartment harness to front bumper harness connector
CA04b	Engine compartment harness to instrument panel harness connector 4	CA85c	Front bumper harness to engine compartment harness connector
CA06p	Engine compartment harness to floor harness connector 1	CA86	A/C pressure sensor harness connector
CA07g	Engine compartment harness to floor harness connector 2	CA95	Battery terminal positive harness connector
CA08d	Engine compartment harness to floor harness connector 3	CA107	Left front middle reversing radar probe harness connector
CA13	Engine compartment harness to instrument panel fuse box power supply harness connector	CA108	Right front middle reversing radar probe harness connector
CA14	Electronic accelerator pedal harness connector	CA109	Left front blind zone probe harness connector
CA17b	Brake liquid level sensor harness connector	CA110	Right front blind zone probe harness connector
CA18	Front wiper motor harness connector	CA126a	Refrigerant pipe solenoid valve harness connector
CA22	EPS power supply harness connector	CA159a	Smart variable inlet grille motor harness connector
CA23c	Left front speed sensor harness connector	CA172	Gateway harness connector
CA24	Left front combination light harness connector	CA208	DC charging socket harness connector
CA27	Left front impact sensor harness connector	CA209	To AC charging indicator harness connector
CA30	Cooling fan harness connector (for heat pump system model)	CA210	Four-way valve harness connector
CA30p	Cooling fan harness connector (for non-heat pump system model)	CA211	PT sensor harness connector
CA33	Left horn harness connector	CA212	Electronic expansion valve harness connector 1
CA34	Right horn harness connector	CA213	Electronic expansion valve harness connector 2
CA35	Right front frontal impact sensor harness connector	CA214	Electromagnetic water valve harness connector
CA38	Front washer motor harness connector	CA215	Heat exchanger solenoid valve harness connector 2

Harness connector	Name	Harness connector	Name
CA40b	Right front wheel speed sensor harness connector	CA216	Heat exchanger solenoid valve harness connector 3
CA41	Right front combination light harness connector	CA217	Heat exchanger solenoid valve harness connector 4
CA44c	Brake light switch harness connector	CA218	Heat exchanger solenoid valve harness connector 5
CA47a	Outdoor temperature sensor harness connector	CA221a	Refrigerant temperature sensor harness connector
CA48a	Front motor compartment cover contact switch harness connector	CA223a	Refrigerant temperature sensor harness connector (cooler outlet)
CA50	Left front reversing radar probe harness connector	CA224a	Refrigerant temperature sensor harness connector (evaporator outlet)
CA51	Right front reversing radar probe harness connector	CA256	PTC harness power harness connector
CA54	Three-way solenoid valve harness connector A	CA272	High-low voltage charging system harness connector 3 (overseas)
CA57	Heat exchanger solenoid valve harness connector 1	CA272a	High-low voltage charging system harness connector 3 (domestic)
CA58b	Motor compartment harness power harness connector	CA273	High-low voltage charging system harness connector 4
CA61	Connection to PTC heating controller harness connector	CA274	DCDC charger terminal harness connector
CA64c	Front charge port cover motor harness connector	CA282a	A/C pressure sensor harness connector
CA65a	To AC charging indicator harness connector 1	CA283	A/C low pressure switch harness connector (non-heat pump)
CA66b	VCU module harness connector B	CA305	Maintenance isolation switch harness connector
CA67b	VCU module harness connector A	CA318	ONE BOX module harness connector
CA68	VCU module harness connector C	CA319a	Front middle position light harness connector
CA69	BMS module harness connector A	CA327	PTC controller negative harness connector

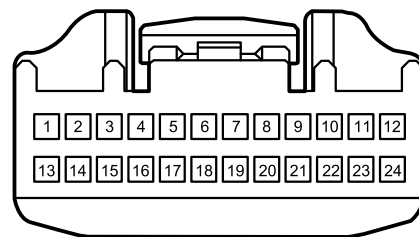
Front engine compartment harness terminal definition

CA01m Engine compartment harness to instrument panel harness connector 2



Pin	Functions	Note
27	EPB release signal	-
28	-	-
29	-	-
30	A/C main relay control	-
31	Battery cooling water pump control signal	-
32	Heating water pump control signal	-

CA02m Engine compartment harness to instrument panel harness connector 1



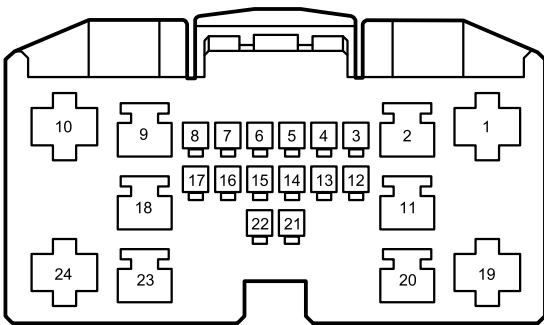
Pin	Functions	Note
1	-	-
2	Refrigerant temperature signal	-
3	Front motor compartment contact switch signal	-
4	EPB release signal input	-
5	EPB application signal input	-
6	Front wiper stop-position switch	-
7	EPB application signal output	-
8	-	-
9	Outside temperature sensor positive	-
10	Temperature sensor grounding	-
11	-	-
12	-	-
13	Left high beam light signal	-
14	Right low beam light signal	-
15	Low-speed wiper relay control	-
16	High-speed wiper relay control	-
17	IG2 power supply	-
18	Motor adjustment signal	-
19	Right front turn signal light signal	-
20	Left front turn signal light signal	-
21	HB CAN-H	-
22	HB CAN-L	-
23	-	-
24	-	-
25	-	-
26	-	-

Pin	Functions	Note
1	IF CAN-H	-
2	IF CAN-L	-
3	A/C low pressure sensor/A/C pressure sensor/PT sensor 5V power supply	-
4	Private CAN-H1	-
5	Private CAN-L1	-
6	Right rear position light signal	-
7	-	-
8	Sensor grounding	-
9	Private CAN-H2	-
10	Private CAN-L2	-
11	CS CAN-L	-
12	CS CAN-H	-
13	Heat exchanger solenoid valve 3 control signal	Heat pump
13	Heat exchanger solenoid valve 2 control signal	Non-heat pump
14	Heat exchanger solenoid valve 5 control signal	-
15	Heat exchanger solenoid valve 4 control signal	-

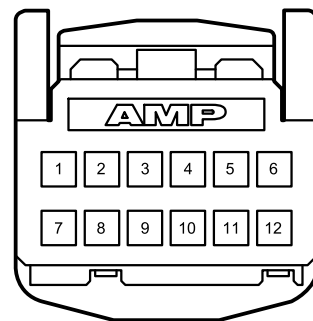
Pin	Functions	Note
16	Heat exchanger solenoid valve 1 control signal	-
17	Cooler outlet refrigerant temperature signal	-
18	-	-
19	Evaporator outlet refrigerant temperature signal	-
20	A/C pressure signal	-
21	Blower relay control	-
22	Left front position light signal	-
23	-	-
24	Impact signal	-

Pin	Functions	Note
14	LIN Communication	-
15	Rear defroster relay control	-
16	Medium voltage signal	Non-heat pump
16	PT sensor pressure signal	Heat pump
17	A/C pressure sensor signal	-
18	Central locking signal	-
19	B+Power supply	-
20	Charging port lock motor unlocking signal	-
21	CS CAN-H	-
22	CS CAN-L	-
23	-	-
24	-	-

CA03c Engine compartment harness to instrument panel harness connector 3



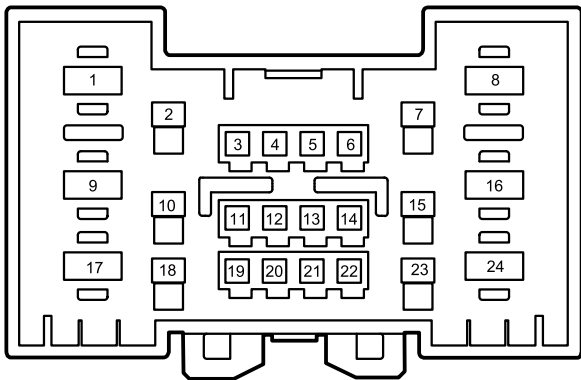
CA04b Engine compartment harness to instrument panel harness connector 4



Pin	Functions	Note
1	Motor positive	-
2	Front washer signal	-
3	Front turn signal light diagnosis signal	-
4	Right front reversing radar probe/left front reversing radar probe/right front middle reversing radar probe/left front middle reversing radar probe	-
5	PT sensor temperature signal	-
6	-	-
7	Horn relay control	-
8	Rearview mirror heating power supply	-
9	Rear washer signal	-
10	B+Power supply	-
11	IG1 power supply	-
12	-	-
13	-	-

Pin	Functions	Note
1	Courtesy signal	-
2	Turn signal light dynamic lighting signal	-
3	HB CAN-H	-
4	HB CAN-L	-
5	Right daytime running light signal	-
6	Left daytime running light signal	-
7	-	-
8	-	-
9	Startup signal	-
10	Brake light switch signal	-
11	Right high beam light signal	-
12	Left low beam light signal	-

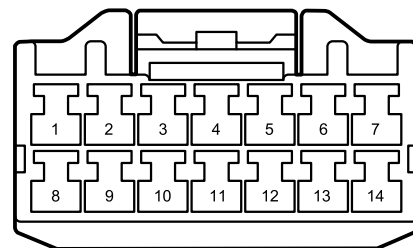
CA06p Engine compartment harness to floor harness connector 1



Pin	Functions	Note
1	Left brake caliper motor positive	-
2	Right rear wheel speed sensor positive	-
3	Left rear wheel speed sensor negative	-
4	Left rear wheel speed sensor positive	-
5	Right front middle reversing radar probe signal	Domestic version
5	Right front reversing radar probe signal	Over-seas Edition
6	Front reversing radar probe power supply	-
7	Left front impact sensor negative	-
8	Power amplifier power supply	-
9	Left brake caliper motor negative	-
10	Right rear wheel speed sensor negative	-
11	Left front middle reversing radar probe signal	-
12	Left front blind zone probe signal	-
13	Left front reversing radar probe signal	-
14	Right front reversing radar probe signal	Domestic version
14	Right front middle reversing radar probe signal	Over-seas Edition
15	Left front impact sensor positive	-
16	Right brake caliper motor positive	-
17	Rear defroster positive	-
18	Right front blind zone probe signal	-

Pin	Functions	Note
19	Front reversing radar probe grounding	-
20	Right front frontal impact sensor positive	-
21	Right front frontal impact sensor negative	-
22	CS CAN-H	-
23	CS CAN-L	-
24	Right brake caliper motor negative	-

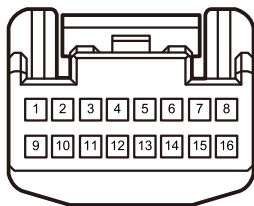
CA07g Engine compartment harness to floor harness connector 2



Pin	Functions	Note
1	AC charging socket temperature sensor 1 negative	-
2	AC charging socket temperature sensor 1 positive	-
3	AC charging socket temperature sensor 2 positive	-
4	AC charging socket temperature sensor 2 negative	-
5	AC charging confirmation CC signal	-
6	AC charging confirmation CP signal	-
7	AC charging socket lock-up motor positive	Domestic version
7	Power battery control system B + power supply	Over-seas Edition
8	AC charging socket lock-up motor negative	Domestic version
8	Power battery control system B + power supply	Over-seas Edition
9	AC charging socket lock-up motor sensor	Domestic version

Pin	Functions	Note
9	Fast-charging wake-up signal grounding	Over-seas Edition
10	Driver side door window regulator motor/left rear door window regulator motor power supply	Domestic version
10	Left front and right rear window power supply	Over-seas Edition
11	Front passenger seat adjustment switch power supply	-
12	CF CAN-H	-
13	CF CAN-L	-
14	Seat module power supply	-

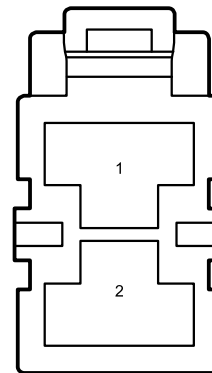
CA08d Engine compartment harness to floor harness connector 3



Pin	Functions	Note
1	Fast-charging CAN-H	-
2	Fast-charging CAN-L	-
3	AC charging socket lock-up motor positive	-
4	Quick charging anode temperature sensor signal negative	-
5	Quick charging anode temperature sensor signal positive	-
6	AC charging socket lock-up motor sensor signal positive	-
7	Fast-charging wake-up signal	-
8	Quick charging cathode temperature sensor signal positive	-
9	Quick charging cathode temperature sensor signal negative	-

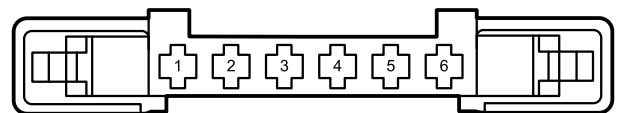
Pin	Functions	Note
10	Charging connection confirmation CC2 signal	-
11	Charger wake-up signal	-
12	AC charging socket lock-up motor negative	-
13	AC charging socket lock-up motor sensor signal negative	-
14	-	-
15	HB CAN-H	-
16	HB CAN-L	-

CA13 Engine compartment harness to instrument panel fuse box power supply harness connector



Pin	Functions	Note
1	B+Power supply	-
2	B+Power supply	-

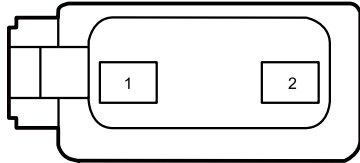
CA14 Electronic accelerator pedal harness connector



Pin	Functions	Note
1	5V power supply 2	-
2	5V power supply 1	-
3	Grounding 1	-
4	Position sensor signal 1	-

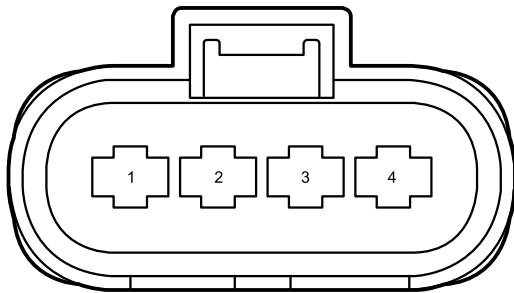
Pin	Functions	Note
5	Grounding 2	-
6	Position sensor signal 2	-

CA17b Brake liquid level sensor harness connector



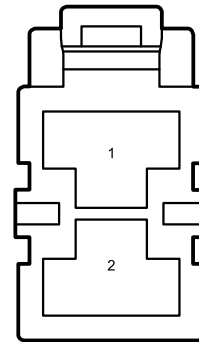
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

CA18 Front wiper motor harness connector



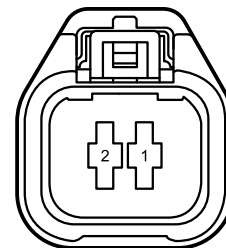
Pin	Functions	Note
1	Grounding	-
2	Reset	-
3	Low Gear	-
4	High Gear	-

CA22 EPS power supply harness connector



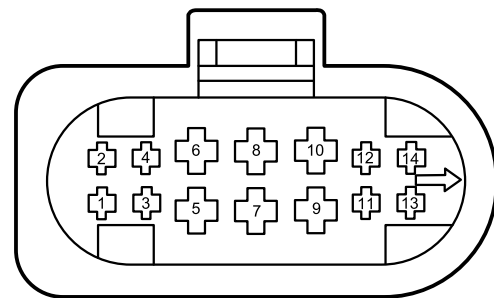
Pin	Functions	Note
1	B+Power supply	-
2	Grounding	-

CA23c Left front speed sensor harness connector



Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

CA24 Left front combination light harness connector

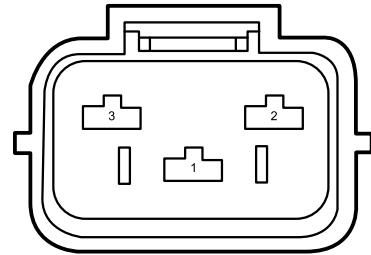


Pin	Functions	Note
1	Headlight height adjustment power supply	-
2	Headlight height adjustment grounding	-
3	Headlight height adjustment signal	-

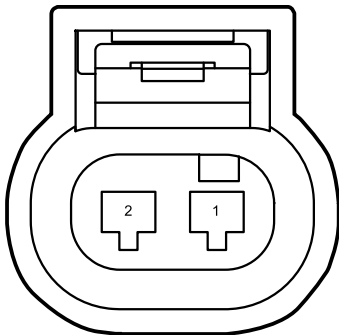
Pin	Functions	Note
4	High beam light power supply	-
5	Low beam light/high beam light grounding	-
6	Low beam light power supply	-
7	Position light/turn signal light/daytime running light grounding	-
8	Turn signal light power supply	-
9	Daytime running lights power supply	-
10	Position light power supply	-
11	Turn signal light signal	-
12	Turn signal light diagnosis signal	-
13	Courtesy signal	-
14	Turn signal light dynamic lighting signal	-

Pin	Functions	Note
1	B+Power supply	-
2	Relay power supply	-
3	Fan control signal	-
4	Grounding	-

CA30p Cooling fan harness connector (for non-heat pump system model)



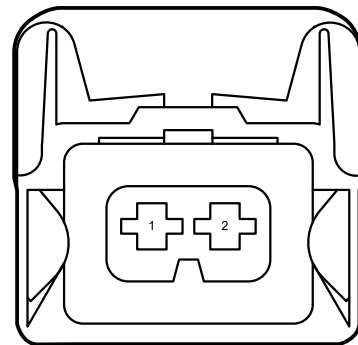
CA27 Left front impact sensor harness connector



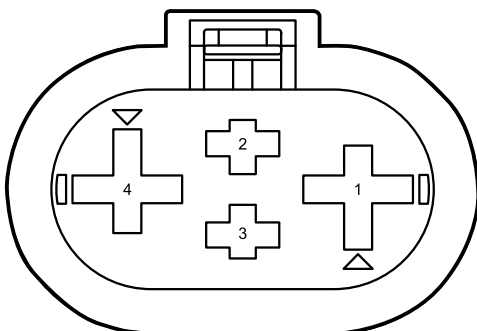
Pin	Functions	Note
1	Grounding	-
2	Low Gear	-
3	High Gear	-

Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

CA33 Left horn harness connector

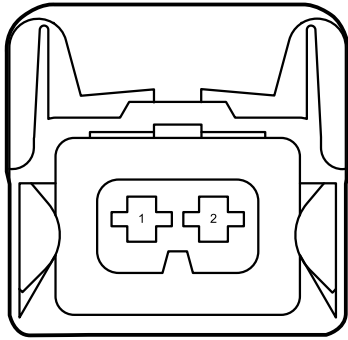


CA30 Cooling fan harness connector (for heat pump system model)



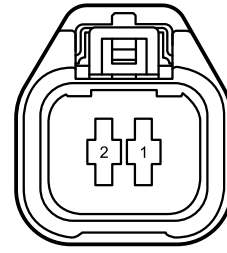
Pin	Functions	Note
1	Power supply	-
2	Grounding	-

CA34 Right horn harness connector



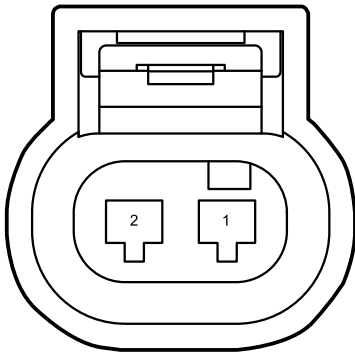
Pin	Functions	Note
1	Power supply	-
2	Grounding	-

CA35 Right front impact sensor harness connector



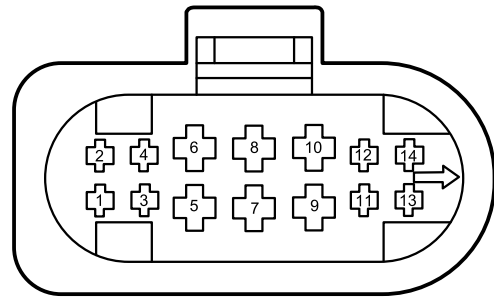
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

CA41 Right front combination light harness connector

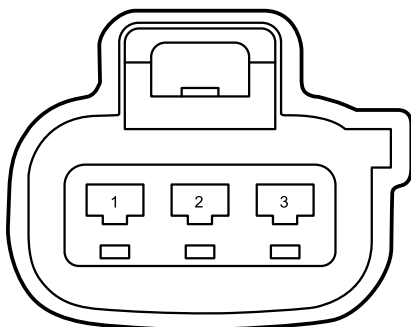


Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

CA38 Front washer motor harness connector



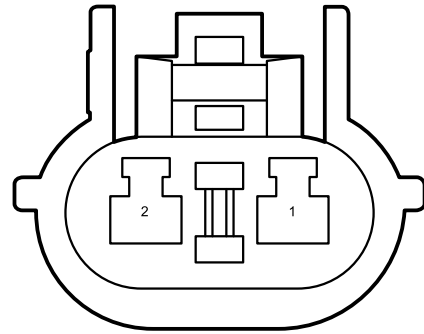
Pin	Functions	Note
1	Headlight height adjustment power supply	-
2	Headlight height adjustment grounding	-
3	Headlight height adjustment signal	-
4	High beam light power supply	-
5	Low beam light/high beam light grounding	-
6	Low beam light power supply	-
7	Position light/turn signal light/daytime running light grounding	-
8	Turn signal light power supply	-
9	Daytime running lights power supply	-
10	Position light power supply	-
11	Turn signal light signal	-
12	Turn signal light diagnosis signal	-



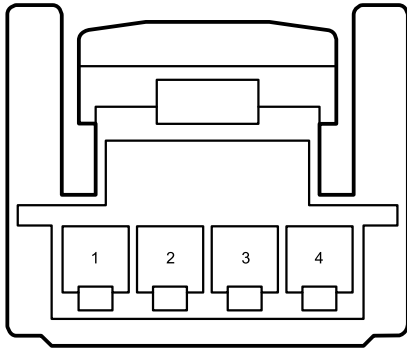
Pin	Functions	Note
1	Rear washer signal input	-
2	Front washer signal input	-
3	-	-

CA40b Right front speed sensor harness connector

Pin	Functions	Note
13	Courtesy signal	-
14	Turn signal light dynamic lighting signal	-



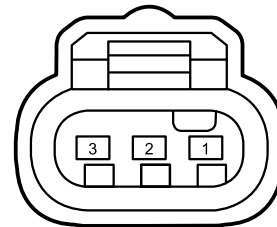
CA44c Brake light switch harness connector



Pin	Functions	Note
1	Grounding	-
2	Switch signal	-

CA50 Left front reversing radar probe harness connector

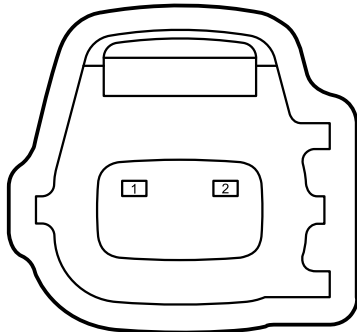
Pin	Functions	Note
1	B+Power supply	-
2	Brake light switch "normally opened" signal	-
3	Main relay power supply	-
4	Brake light switch "normally closed" signal	-



CA47a Exterior temperature sensor harness connector

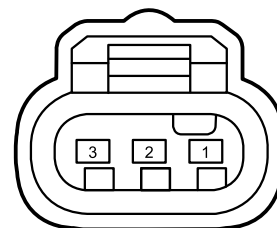
Pin	Functions	Note
1	Power supply	-
2	Signal	-
3	Grounding	-

CA51 Right front reversing radar probe harness connector



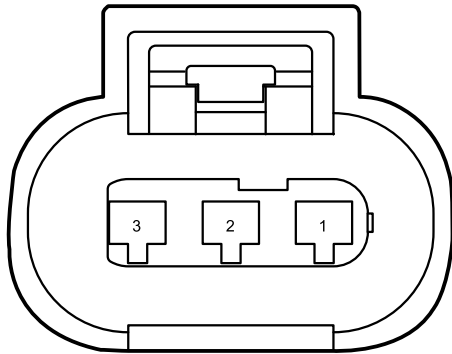
Pin	Functions	Note
1	Sensor negative	-
2	Sensor positive	-

CA48a Front engine bay cover contacts to switch harness connector



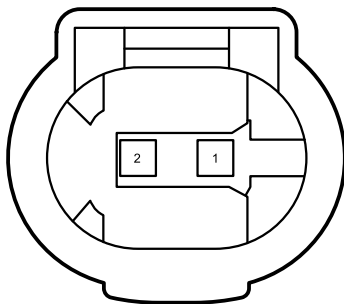
Pin	Functions	Note
1	Power supply	-
2	Signal	-
3	Grounding	-

CA54 Three-way solenoid valve harness connector



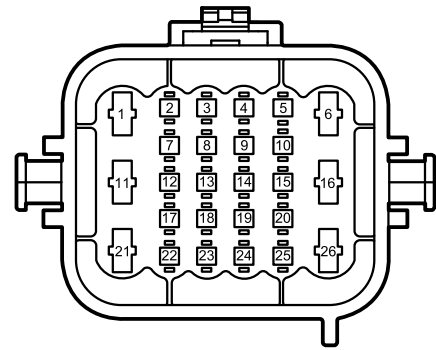
Pin	Functions	Note
1	Grounding	-
2	LIN Communication	-
3	Power supply	-

CA57 Heat exchanger solenoid valve harness connector 1



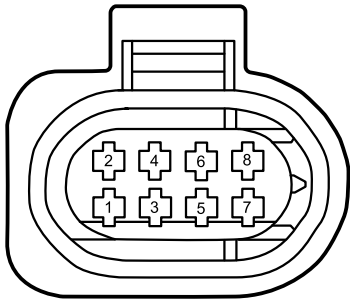
Pin	Functions	Note
1	Solenoid valve negative	-
2	Solenoid valve positive	-

CA58b Engine compartment harness to power harness connector



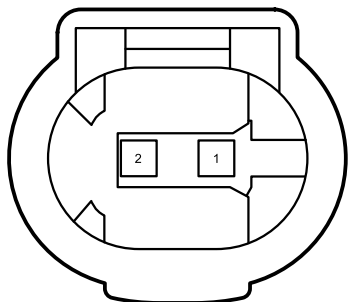
Pin	Functions	Note
1	-	-
2	-	-
3	Battery cooling water pump/heating water pump/PTC heating controller 2 power supply	-
4	Battery cooling water pump control signal	-
5	LIN Communication	-
6	Grounding	-
7	Heating water pump control signal	-
8	HB CAN-L1	-
9	HB CAN-H1	-
10	B+Power supply	-
11	-	-
12	High voltage interlock signal output	-
13	Private CAN-H1	-
14	Private CAN-L1	-
15	Private CAN-L2	-
16	B+Power supply	-
17	Grounding	-
18	IG1 power supply	-
19	HB CAN-L2	-
20	HB CAN-H2	-
21	-	-
22	High voltage interlock signal output	-
23	Motor-driven water pump power supply	-
24	Motor water pump control signal	-
25	Private CAN-H2	-
26	-	-

CA61 To PTC heating controller harness connector



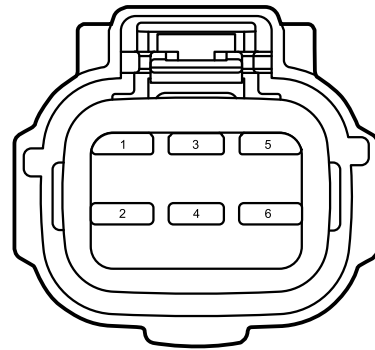
Pin	Functions	Note
1	Power supply	-
2	-	-
3	-	-
4	-	-
5	High voltage interlock input signal	-
6	LIN Communication	-
7	High voltage interlock output signal	-
8	-	-

CA64c Front charging port cover motor harness connector



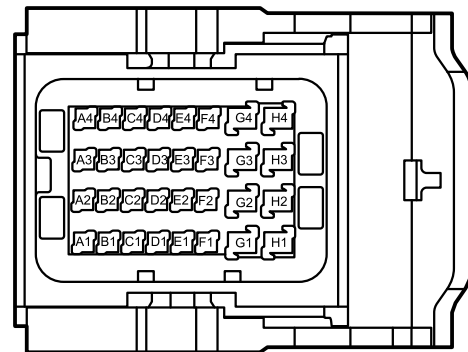
Pin	Functions	Note
1	Locking signal	-
2	Unlocking signal	-

CA65a To AC charging indicator harness connector 1



Pin	Functions	Note
1	B+Power supply	-
2	Grounding	-
3	Red indicator	-
4	-	-
5	Green indicator	-
6	Blue indicator	-

CA66b VCU module harness connector B

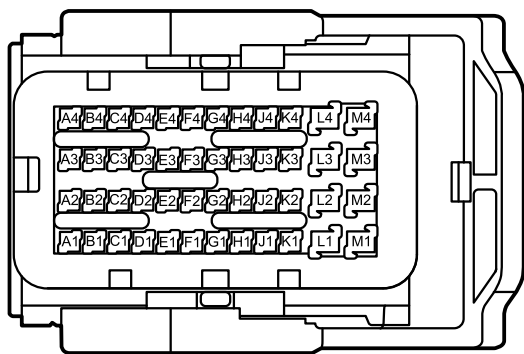


Pin	Functions	Note
A1	-	-
A2	-	-
A3	-	-
A4	-	-
B1	Cooling fan control signal	-
B2	-	-
B3	-	-
B4	-	-
C1	-	-
C2	-	-
C3	-	-
C4	-	-
D1	Motor water pump control signal	-
D2	-	-
D3	-	-

Pin	Functions	Note
D4	-	-
E1	Cooling water pump relay control	-
E2	-	-
E3	-	-
E4	High-speed fan relay control	-
F1	-	-
F2	-	-
F3	-	-
F4	Low-speed fan relay feedback signal	-
G1	PWM fan relay control	-
G2	Low-speed fan relay control	-
G3	-	-
G4	Main relay control	-
H1	-	-
H2	-	-
H3	-	-
H4	High voltage interlock output signal	-

Pin	Functions	Note
C2	Electronic accelerator pedal signal input 1	-
C3	Electronic accelerator pedal sensor grounding 1	-
C4	-	-
D1	-	-
D2	Electronic accelerator pedal signal input 2	-
D3	Electronic accelerator pedal sensor grounding 2	-
D4	-	-
E1	-	-
E2	-	-
E3	-	-
E4	-	-
F1	-	-
F2	-	-
F3	-	-
F4	-	-
G1	-	-
G2	Cooling fan feedback signal	-
G3	-	-
G4	-	-
H1	-	-
H2	-	-
H3	-	-
H4	Brake light switch "normally closed" signal	-
J1	-	-
J2	LIN communication (thermal management module/electronic expansion valve 1/electronic expansion valve 2/refrigerant pipe solenoid valve/PTC heating controller 2/A/C compressor/electromagnetic water valve/four-way valve/three-way solenoid valve A/PM2.5 sensor)	-
J3	Brake light switch "normally opened" signal	-
J4	-	-
K1	-	-
K2	-	-
K3	-	-

CA67b VCU module harness connector A

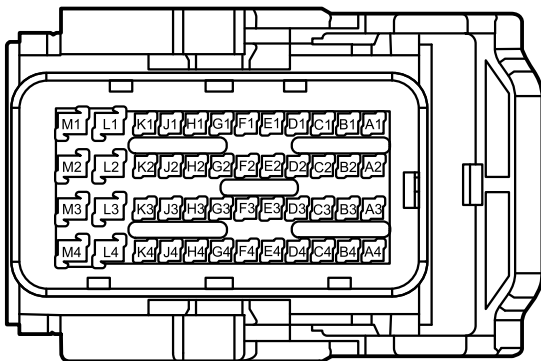


Pin	Functions	Note
A1	-	-
A2	-	-
A3	-	-
A4	5V power supply 2 of the electronic accelerator pedal	-
B1	HB CAN-H	-
B2	HB CAN-L	-
B3	-	-
B4	5V power supply 1 of the electronic accelerator pedal	-
C1	-	-

Pin	Functions	Note
K4	Starting signal	-
L1	Main relay power supply 1	-
L2	IG1 power supply	-
L3	Grounding	-
L4	Grounding	-
M1	B+power supply	-
M2	Main relay power supply 2	-
M3	Main relay power supply 3	-
M4	Grounding	-

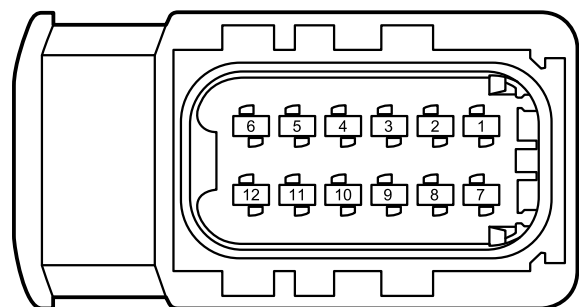
Pin	Functions	Note
E4	-	-
F1	-	-
F2	-	-
F3	-	-
F4	-	-
G1	High voltage interlock input signal	-
G2	-	-
G3	-	-
G4	-	-
H1	-	-
H2	-	-
H3	-	-
H4	-	-
J1	-	-
J2	-	-
J3	-	-
J4	-	-
K1	-	-
K2	-	-
K3	Cooling water pump relay feedback signal	-
K4	-	-
L1	-	-
L2	-	-
L3	-	-
L4	-	-
M1	-	-
M2	-	-
M3	-	-
M4	-	-

CA68 VCU module harness connector C



Pin	Functions	Note
A1	-	-
A2	-	-
A3	CS CAN-L	-
A4	CS CAN-H	-
B1	-	-
B2	-	-
B3	Private CAN-L	-
B4	Private CAN-H	-
C1	-	-
C2	-	-
C3	-	-
C4	-	-
D1	High-speed fan relay feedback signal	-
D2	LIN communication (smart variable inlet grille)	-
D3	-	-
D4	-	-
E1	-	-
E2	-	-
E3	-	-

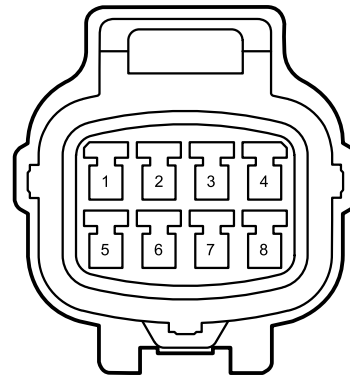
CA69 BMS module harness connector A



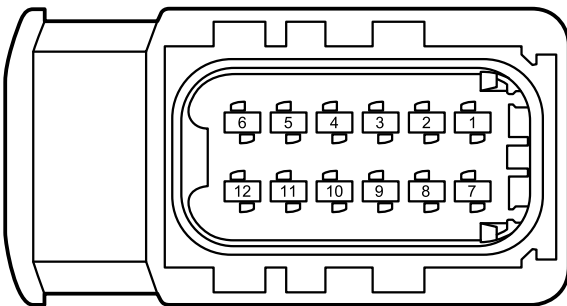
Pin	Functions	Note
1	B+Power supply	-
2	Grounding	-
3	HB CAN-H	-
4	HB CAN-L	-
5	Grounding	-
6	Impact signal	-
7	IG2 power supply	-
8	-	-
9	DC charging socket temperature sensor signal 1 positive	Domestic version
9	Quick charging anode temperature sensor signal positive	Over-seas Edition
10	DC charging socket temperature sensor signal 1 negative	Domestic version
10	Quick charging anode temperature sensor signal negative	Over-seas Edition
11	-	-
12	-	-

Pin	Functions	Note
10	-	-
11	DC charging socket temperature sensor signal 2 positive	Domestic version
11	Quick charging cathode temperature sensor signal positive	Over-seas Edition
12	DC charging socket temperature sensor signal 2 negative	Domestic version
12	Quick charging cathode temperature sensor signal negative	Over-seas Edition

CA73a Low-speed alarm controller harness connector



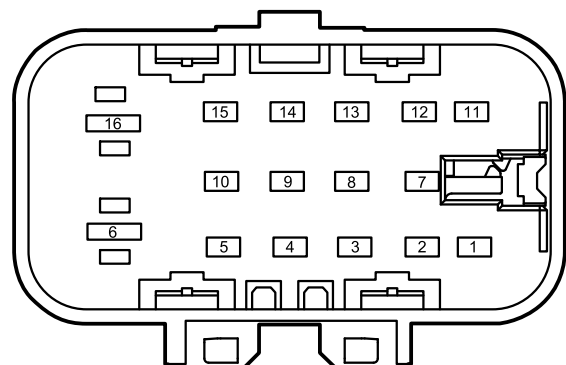
CA70 BMS module harness connector B



Pin	Functions	Note
1	CF CAN-H	-
2	CF CAN-L	-
3	Grounding	-
4	IG1 power supply	-
5	-	-
6	-	-
7	-	-
8	-	-

Pin	Functions	Note
1	Fast-charging CAN-H	-
2	Fast-charging CAN-L	-
3	DC charging socket CC2 signal	-
4	Fast-charging wake-up signal positive	-
5	Fast-charging wake-up signal negative	-
6	-	-
7	-	-
8	-	-
9	-	-

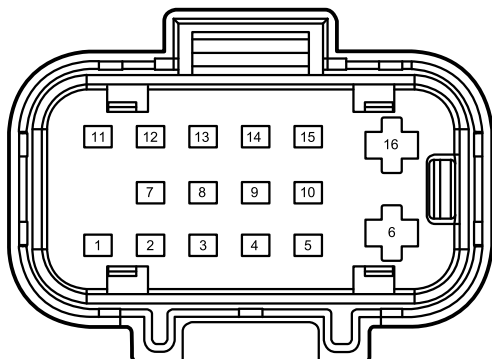
CA84c Engine compartment harness to front bumper harness connector



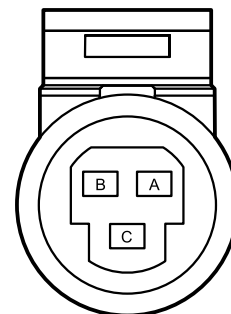
Pin	Functions	Note
1	Front reversing radar probe/blind zone probe power supply	-
2	Left front middle reversing radar probe signal	-
3	Left front blind zone probe signal	-
4	Left front reversing radar probe signal	-
5	Right front reversing radar probe signal	-
6	-	-
7	Right front blind zone probe signal	-
8	Front reversing radar probe/blind zone probe grounding	-
9	Right front reversing radar probe signal	-
10	Left front reversing radar probe signal	-
11	Right front middle reversing radar probe signal	-
12	Left front middle reversing radar probe signal	-
13	Front reversing radar probe grounding	-
14	Right front reversing radar probe/left front reversing radar probe/right front middle reversing radar probe/left front middle reversing radar probe	-
15	Right front middle reversing radar probe signal	-
16	-	-

Pin	Functions	Note
1	Front reversing radar probe/blind zone probe power supply	-
2	Left front middle reversing radar probe signal	-
3	Left front blind zone probe signal	-
4	Left front reversing radar probe signal	-
5	Right front reversing radar probe signal	-
6	-	-
7	Right front blind zone probe signal	-
8	Front reversing radar probe/blind zone probe grounding	-
9	Right front reversing radar probe signal	-
10	Left front reversing radar probe signal	-
11	Right front middle reversing radar probe signal	-
12	Left front middle reversing radar probe signal	-
13	Front reversing radar probe grounding	-
14	Right front reversing radar probe/left front reversing radar probe/right front middle reversing radar probe/left front middle reversing radar probe	-
15	Right front middle reversing radar probe signal	-
16	-	-

CA85c Front bumper harness to engine compartment harness connector



CA86 A/C pressure sensor harness connector



Pin	Functions	Note
A	Grounding	-
B	5V power supply	-
C	Pressure sensor signal	-

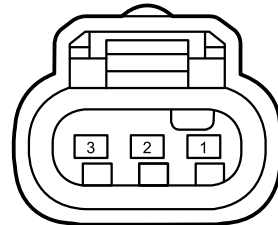
CA95 Battery positive harness connector



Pin	Functions	Note
1	Power supply	-
2	Signal	-
3	Grounding	-

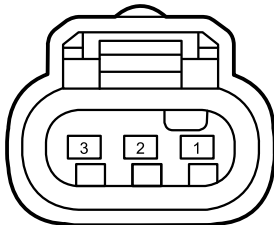
Pin	Functions	Note
1	B+Power supply	-

CA109 Left front blind zone probe harness connector



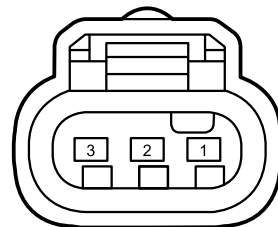
Pin	Functions	Note
1	Power supply	-
2	Signal	-
3	Grounding	-

CA107 Left front middle reversing radar probe harness connector

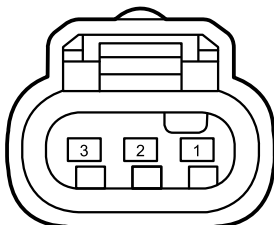


CA110 Right front blind zone probe harness connector

Pin	Functions	Note
1	Power supply	-
2	Signal	-
3	Grounding	-

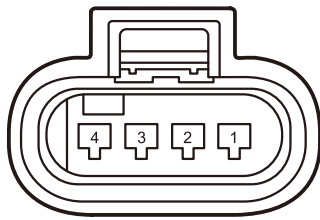


CA108 Right front middle reversing radar probe harness connector



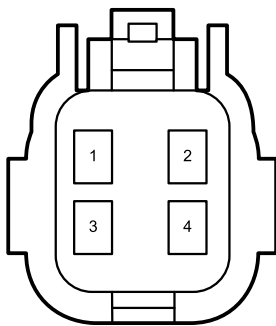
Pin	Functions	Note
1	Power supply	-
2	Signal	-
3	Grounding	-

CA126a Refrigerant pipe solenoid valve harness connector



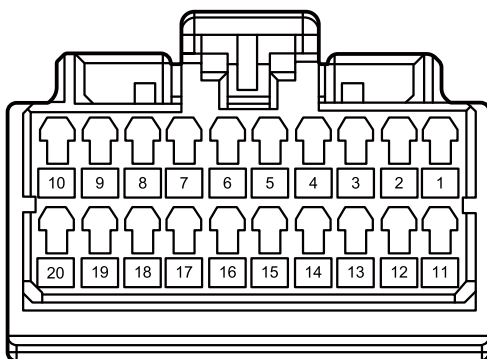
Pin	Functions	Note
1	Grounding	-
2	LIN Communication	-
3	-	-
4	Power supply	-

CA159a Smart variable inlet grille motor harness connector



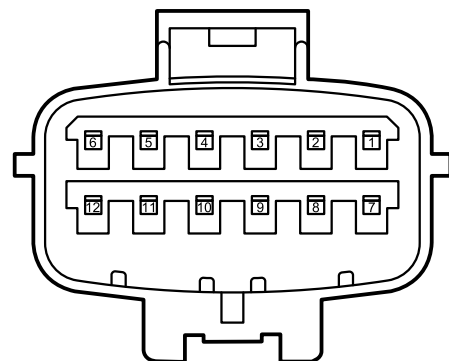
Pin	Functions	Note
1	Grounding	-
2	B+Power supply	-
3	-	-
4	LIN Communication	-

CA172 Gateway harness connector



Pin	Functions	Note
1	CF CAN-H	-
2	-	-
3	CS CAN-H	-
4	HB CAN-H	-
5	-	-
6	IF CAN-H	-
7	-	-
8	-	-
9	-	-
10	-	-
11	CF CAN-L	-
12	-	-
13	CS CAN-L	-
14	HB CAN-L	-
15	-	-
16	IF CAN-L	-
17	-	-
18	IG1 power supply	-
19	B+Power supply	-
20	Grounding	-

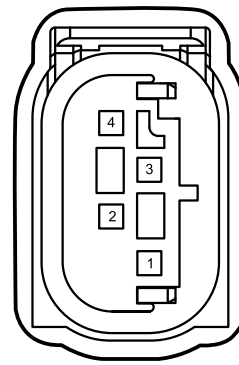
CA208 DC charging socket harness connector



Pin	Functions	Note
1	-	-
2	DC charging socket CC2 signal	-
3	Fast-charging CAN-H	-
4	Fast-charging CAN-L	-
5	Fast-charging wake-up signal positive	-
6	Fast-charging wake-up signal negative	-
7	-	-

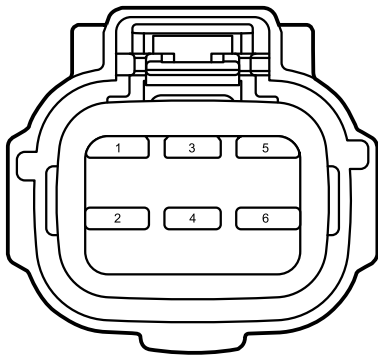
Pin	Functions	Note
8	DC charging socket temperature sensor signal 1 positive	-
9	DC charging socket temperature sensor signal 1 negative	-
10	-	-
11	DC charging socket temperature sensor signal 2 positive	-
12	DC charging socket temperature sensor signal 2 negative	-

CA211 PT sensor harness connector



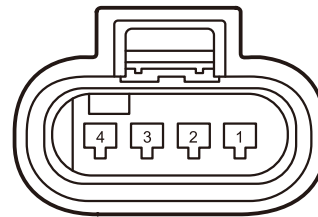
Pin	Functions	Note
1	Grounding	-
2	Pressure signal	-
3	Temperature signal	-
4	5V power supply	-

CA209 To AC charging indicator harness connector 2



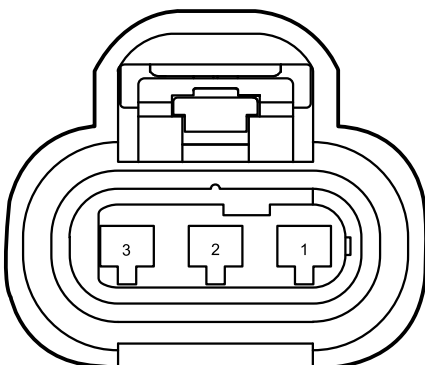
Pin	Functions	Note
1	B+Power supply	-
2	Grounding	-
3	Red indicator	-
4	-	-
5	Green indicator	-
6	Blue indicator	-

CA212 Electronic expansion valve harness connector 1



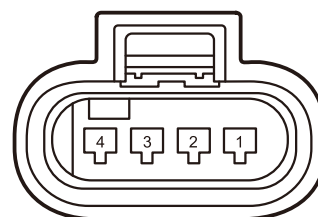
Pin	Functions	Note
1	Grounding	-
2	LIN Communication	-
3	-	-
4	Power supply	-

CA210 Four-way valve harness connector



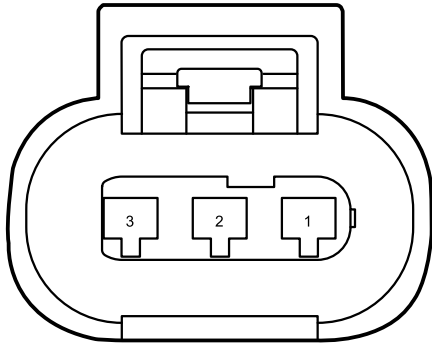
Pin	Functions	Note
1	Grounding	-
2	LIN Communication	-
3	Power supply	-

CA213 Electronic expansion valve harness connector 2



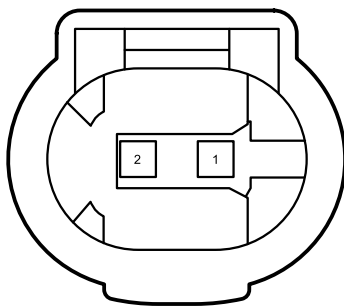
Pin	Functions	Note
1	Grounding	-
2	LIN Communication	-
3	-	-
4	Power supply	-

CA214 Electromagnetic water valve harness connector



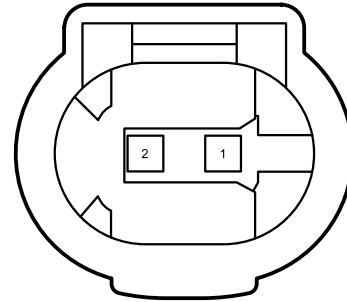
Pin	Functions	Note
1	Grounding	-
2	LIN Communication	-
3	Power supply	-

CA215 Heat exchanger solenoid valve harness connector 2



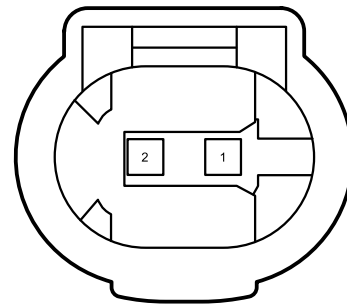
Pin	Functions	Note
1	Solenoid valve negative	-
2	Solenoid valve positive	-

CA216 Heat exchanger solenoid valve harness connector 3



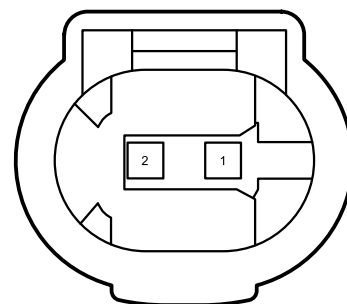
Pin	Functions	Note
1	Solenoid valve negative	-
2	Solenoid valve positive	-

CA217 Heat exchanger solenoid valve harness connector 4



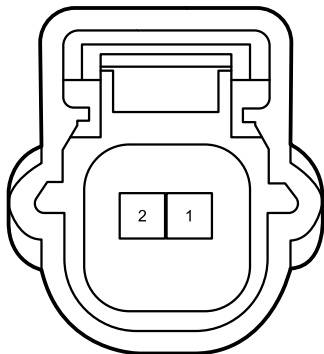
Pin	Functions	Note
1	Solenoid valve negative	-
2	Solenoid valve positive	-

CA218 Heat exchanger solenoid valve harness connector 5



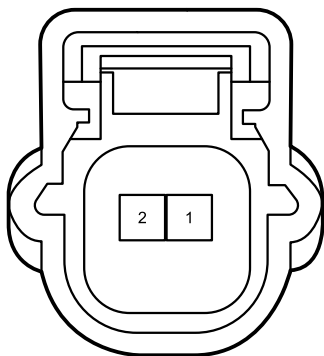
Pin	Functions	Note
1	Solenoid valve negative	-
2	Solenoid valve positive	-

CA221a Refrigerant temperature sensor harness connector



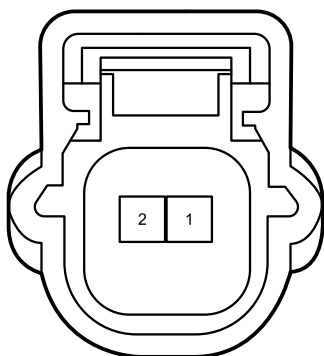
Pin	Functions	Note
1	Sensor positive	-
2	Sensor negative	-

CA223a Refrigerant temperature sensor harness connector (cooler outlet)



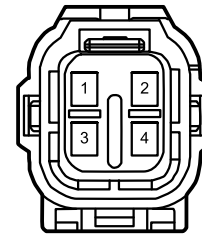
Pin	Functions	Note
1	Sensor positive	-
2	Sensor negative	-

CA224a Refrigerant temperature sensor harness connector (evaporator outlet)



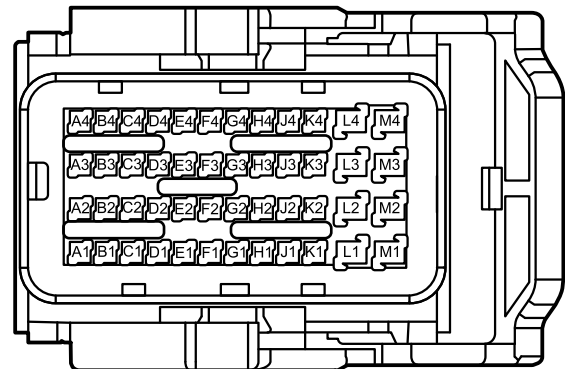
Pin	Functions	Note
1	Sensor positive	-
2	Sensor negative	-

CA256 PTC harness to power harness connector



Pin	Functions	Note
1	PTC heating controller 2 power supply	-
2	LIN Communication	-
3	High voltage interlock signal output	-
4	High voltage interlock signal output	-

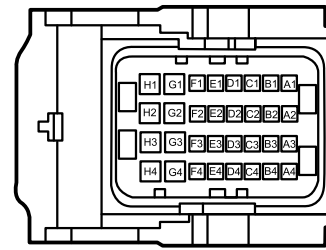
CA272 High-low voltage charging system harness connector 3 (overseas)



Pin	Functions	Note
A1	AC charging confirmation CP signal	-
A2	AC charging confirmation CC signal	-
A3	-	-
A4	-	-
B1	HB CAN-H	-
B2	HB CAN-L	-
B3	-	-
B4	-	-
C1	-	-
C2	-	-
C3	-	-
C4	-	-
D1	-	-
D2	-	-
D3	-	-

Pin	Functions	Note
D4	-	-
E1	High voltage interlock output signal	-
E2	High voltage interlock input signal	-
E3	-	-
E4	-	-
F1	-	-
F2	-	-
F3	-	-
F4	-	-
G1	AC charging socket temperature sensor 1 positive	-
G2	AC charging socket temperature sensor 1 negative	-
G3	AC charging socket temperature sensor 2 positive	-
G4	AC charging socket temperature sensor 2 negative	-
H1	-	-
H2	-	-
H3	AC charging socket lock-up motor sensor signal positive	-
H4	AC charging socket lock-up motor sensor signal negative	-
J1	-	-
J2	IG1 power supply	-
J3	Charger wake-up signal	-
J4	-	-
K1	-	-
K2	AC charging red indicator	-
K3	AC charging green indicator	-
K4	AC charging blue indicator	-
L1	-	-
L2	-	-
L3	-	-
L4	-	-
M1	B+power supply	-
M2	Grounding	-
M3	AC charging socket lock-up motor positive	-
M4	AC charging socket lock-up motor negative	-

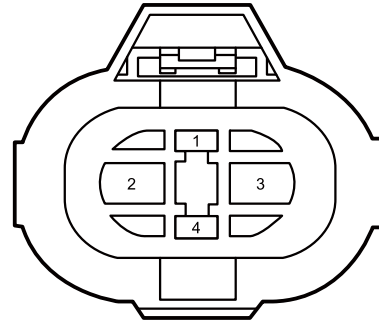
CA272a High-low voltage charging system harness connector 3 (domestic)



Pin	Functions	Note
A1	-	-
A2	-	-
A3	AC charging confirmation CP signal	-
A4	HB CAN-H	-
B1	-	-
B2	AC charging socket temperature sensor 1 positive	-
B3	AC charging confirmation CC signal	-
B4	HB CAN-L	-
C1	-	-
C2	AC charging socket temperature sensor 2 positive	-
C3	-	-
C4	High voltage interlock output signal	-
D1	-	-
D2	AC charging socket temperature sensor 1 negative	-
D3	IG1 power supply	-
D4	High voltage interlock input signal	-
E1	AC charging red indicator	-
E2	AC charging blue indicator	-
E3	-	-
E4	-	-
F1	AC charging green indicator	-
F2	AC charging socket temperature sensor 2 negative	-
F3	-	-
F4	Charging port cover status switch signal	-
G1	-	-

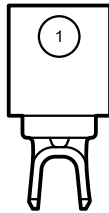
Pin	Functions	Note
G2	-	-
G3	-	-
G4	Grounding	-
H1	B+power supply	-
H2	-	-
H3	Charging port cover switch motor positive	-
H4	Charging port cover switch motor negative	-

CA273 High-low voltage charging system harness connector 4



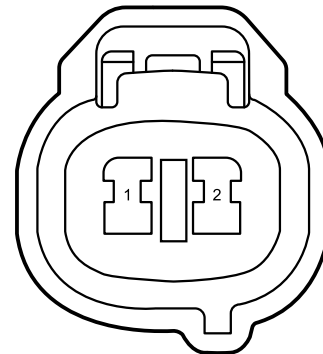
Pin	Functions	Note
1	High-low pressure switch power supply	-
2	Medium pressure switch power supply	-
3	Medium pressure signal	-
4	High-low pressure signal	-

CA283 A/C low pressure switch harness connector (non-heat pump)



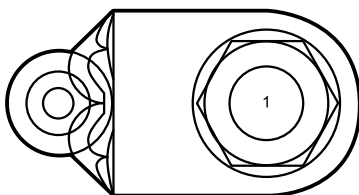
Pin	Functions	Note
1	B+Power supply	-

CA274 DCDC Charger terminal harness connector



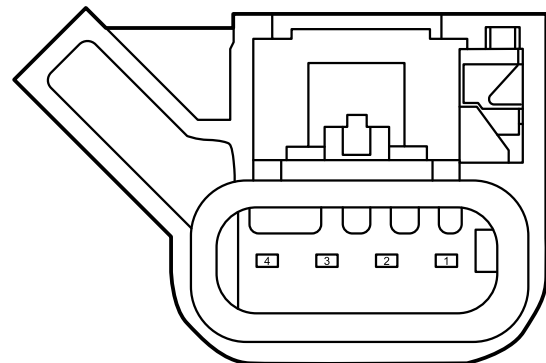
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

CA305 Maintenance isolation switch harness connector



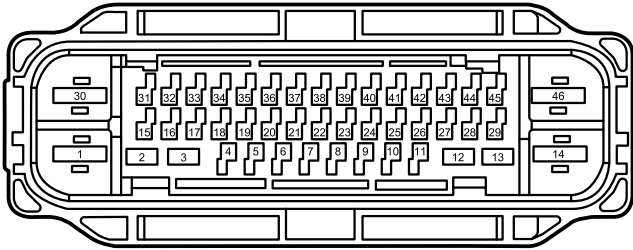
Pin	Functions	Note
1	B+Power supply	-

CA282a A/C pressure sensor harness connector



Pin	Functions	Note
1	High voltage interlock input signal 1	-
2	High voltage interlock output signal 1	-
3	High voltage interlock input signal 2	-
4	High voltage interlock output signal 2	-

CA318 ONE BOX module harness connector



Pin	Functions	Note
1	Grounding	-
2	Right brake caliper motor positive	-
3	Right brake caliper motor negative	-
4	-	-
5	CS CAN-H	-
6	-	-
7	Left front wheel speed sensor negative	-
8	-	-
9	-	-
10	-	-
11	Private CAN-H	-
12	Left brake caliper motor negative	-
13	Left brake caliper motor positive	-
14	B+Power supply	-
15	EPB release signal input	-
16	EPB release signal output	-
17	-	-
18	-	-
19	CS CAN-L	-
20	-	-
21	Right front wheel speed sensor positive	-
22	Right rear wheel speed sensor positive	-

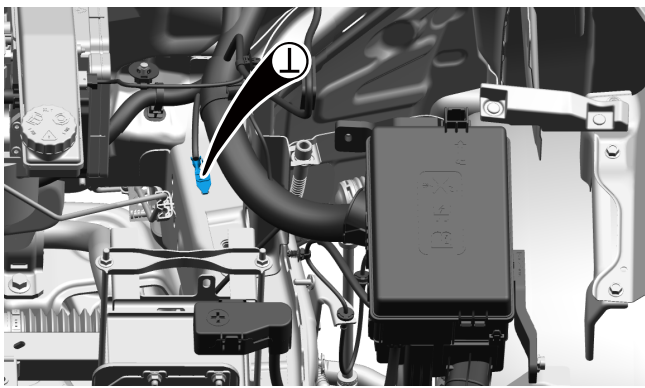
Pin	Functions	Note
23	Left rear wheel speed sensor negative	-
24	Left front wheel speed sensor positive	-
25	Private CAN-L	-
26	Right front wheel speed sensor negative	-
27	-	-
28	-	-
29	-	-
30	Grounding	-
31	EPB application signal input	-
32	EPB application signal output	-
33	-	-
34	-	-
35	-	-
36	IG1 power supply	-
37	Right rear wheel speed sensor negative	-
38	Brake fluid level sensor signal	-
39	Left rear wheel speed sensor positive	-
40	-	-
41	Brake light switch signal	-
42	-	-
43	-	-
44	-	-
45	-	-
46	B+Power supply	-

CA327 PTC controller negative pole harness connector

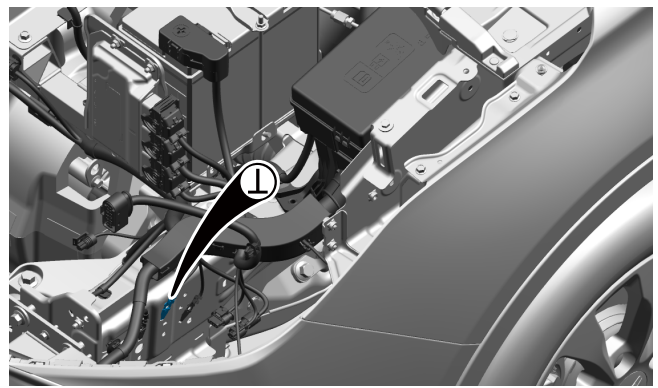


Pin	Functions	Note
1	Grounding	-

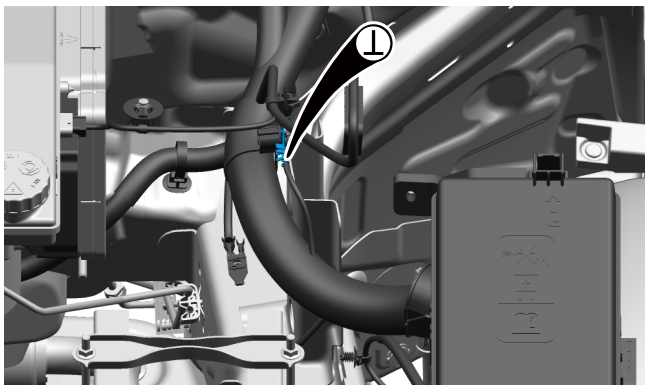
G04 Front motor compartment harness grounding



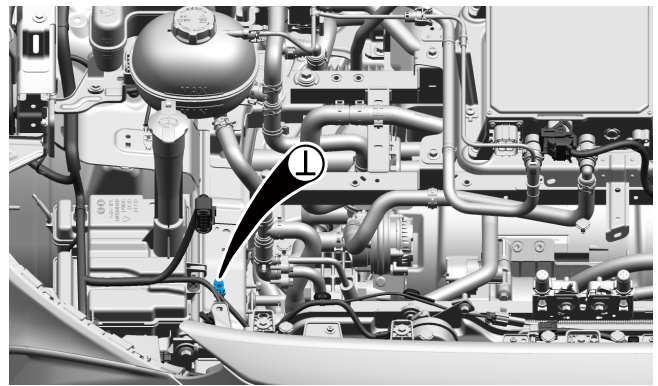
G05 Front motor compartment harness grounding



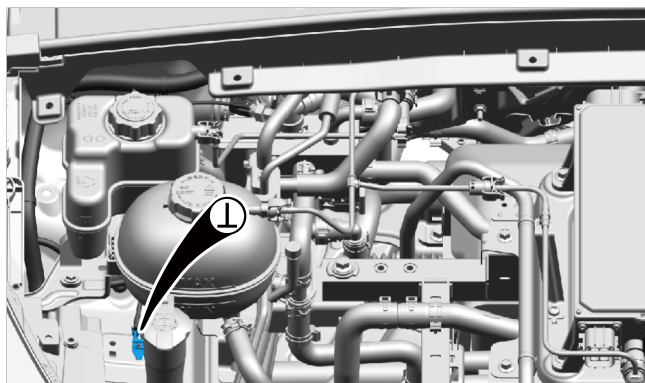
G09 Front motor compartment harness grounding



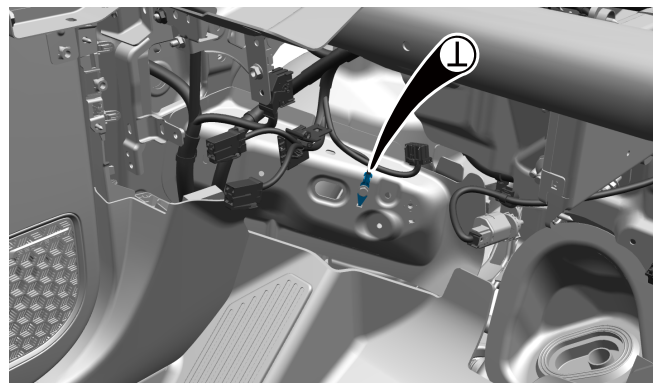
G06 Front motor compartment harness grounding



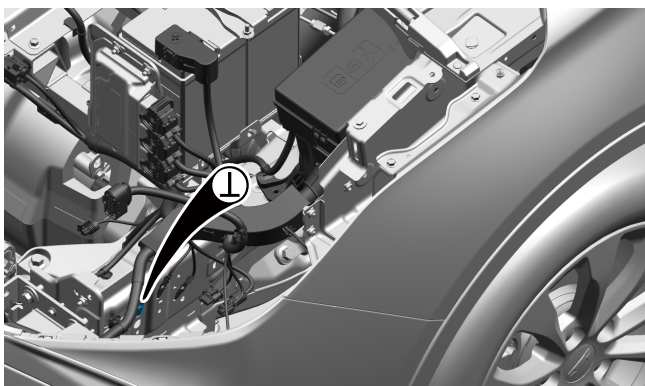
G10 Front motor compartment harness grounding



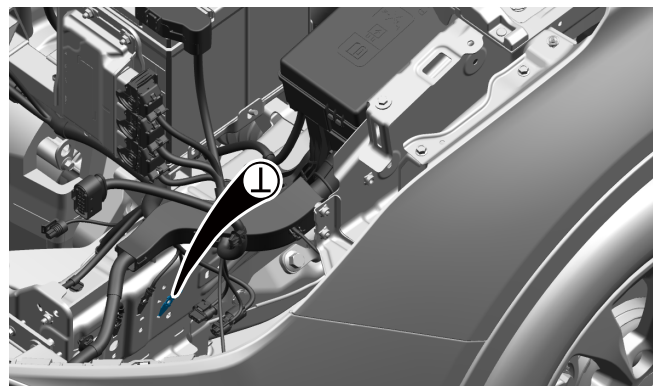
G07 Front motor compartment harness grounding



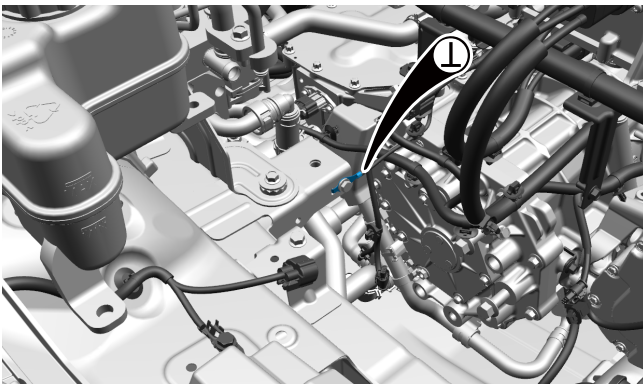
G12 Front motor compartment harness grounding



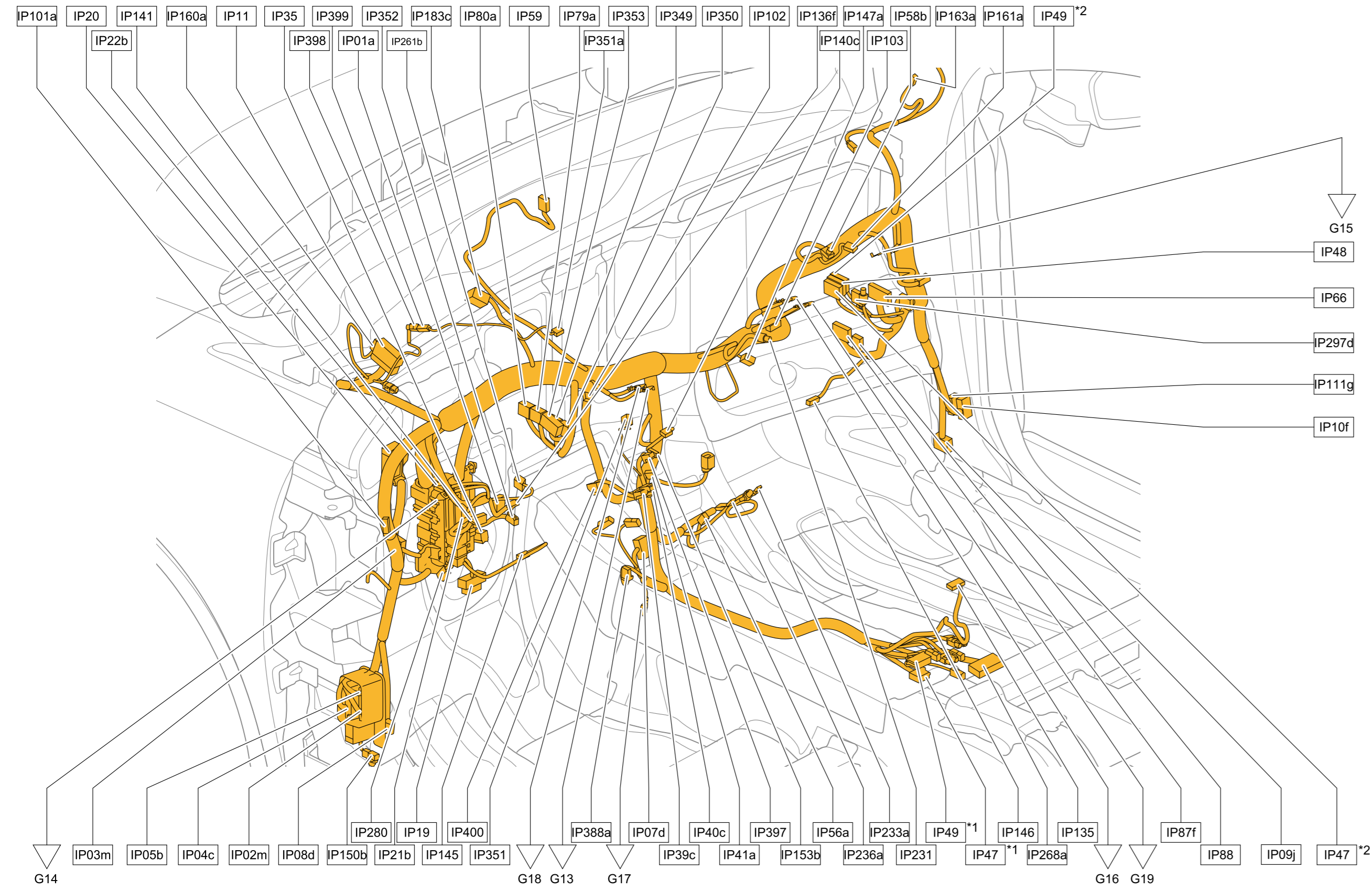
G08 Front motor compartment harness grounding



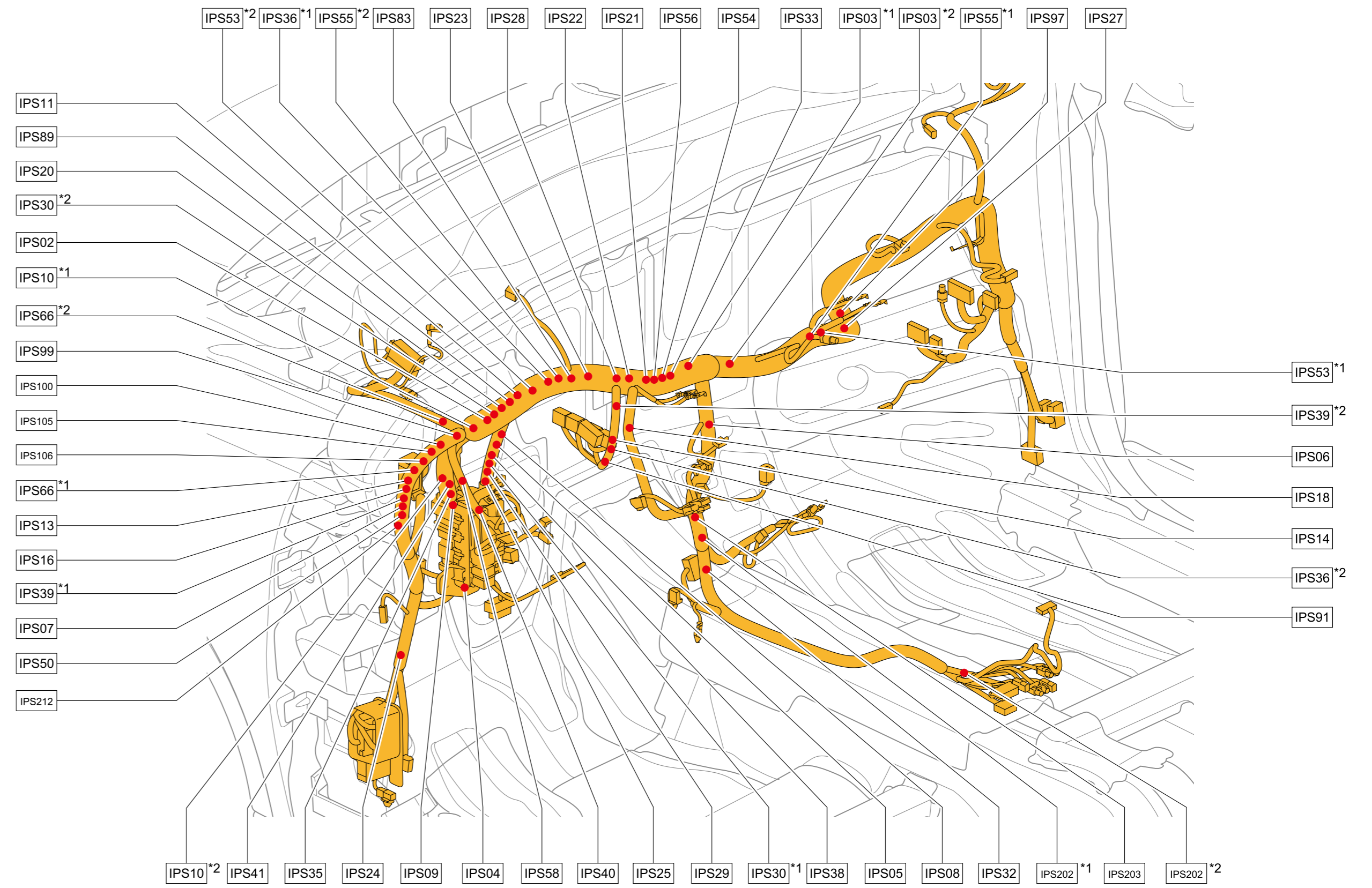
G28 Front motor compartment harness grounding



Instrument harness layout drawing



*1: Domestic model
 *2: Overseas model



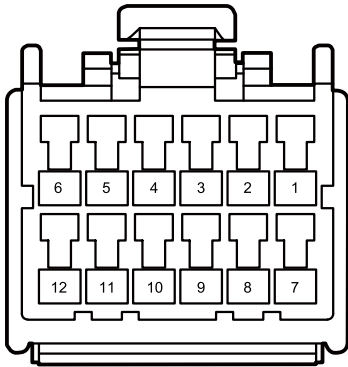
Instrument harness connector list

Harness connector	Name	Harness connector	Name
IP01a	Instrument cluster harness connector 1	IP111g	Instrument panel harness to floor harness connector 5
IP02m	Instrument panel harness to engine compartment harness connector 1	IP135	Wireless charging module harness connector
IP03m	Instrument panel harness to engine compartment harness connector 2	IP136f	Driver side ambient light harness connector
IP04c	Instrument panel harness to engine compartment harness connector 3	IP140c	Center console left ambient light harness connector
IP05b	Instrument panel harness to motor compartment harness connector 4	IP141	EPB switch harness connector
IP07d	Instrument panel harness to floor harness connector 1	IP145	Driver side foot lighting light harness connector
IP08d	Instrument panel harness to floor harness connector 2	IP146	Front passenger side foot lighting light harness connector
IP09j	Instrument panel harness to floor harness connector 3	IP147a	Display screen harness connector 1
IP10f	Instrument panel harness to floor harness connector 4	IP150b	Instrument panel harness to floor harness connector 6
IP11	Instrument panel harness to roof harness connector	IP153b	Indoor temperature sensor harness connector
IP19	DLC harness connector	IP160a	Left front tweeter harness connector
IP20	Body control module harness connector 1	IP163a	Right front tweeter harness connector
IP21b	Body control module harness connector 2	IP183c	Heads up display harness connector
IP22b	Body control module harness connector 3	IP231	Multimedia display screen harness connector
IP35	EPS module harness connector	IP233a	Driver side USB harness connector
IP39c	Clock spring harness connector A	IP236a	Front passenger side USB harness connector
IP40c	Clock spring harness connector B	IP261b	Instrument cluster harness connector 2
IP41a	Steering-angle sensor harness connector	IP268a	E-CALL harness connector
IP47	Head unit harness connector A	IP280	E-CALL loudspeaker harness connector
IP48	Head unit harness connector B	IP297d	Head unit harness connector D
IP49	Head unit harness connector C	IP349	Thermal management control module harness connector 3
IP56a	Hazard warning switch harness connector	IP350	Thermal management control module harness connector 4
IP58b	Front passenger airbag harness connector	IP351	Instrument cluster display screen harness connector (overseas)
IP59	Ambient light and sunlight sensor harness connector	IP351a	Instrument cluster display screen harness connector (domestic)

Harness connector	Name	Harness connector	Name
IP66	T-BOX module harness connector	IP352	Instrument combination switch harness connector
IP79a	Thermal management control module harness connector 1	IP353	Door handle control module harness connector
IP80a	Thermal management control module harness connector 2	IP388a	Ambient light controller harness connector
IP87f	Instrument panel harness to automatic A/C harness connector A	IP397	Combination switch (column shifter) harness connector
IP88	Instrument panel harness to automatic A/C harness connector B	IP398	Instrument conversional harness to instrument harness connector
IP101a	JC01 harness connector	IP399	Instrument harness to instrument conversional harness connector
IP102	JC02 harness connector	IP400	Combination switch (light & wiper) harness connector
IP103	JC03 harness connector	-	-

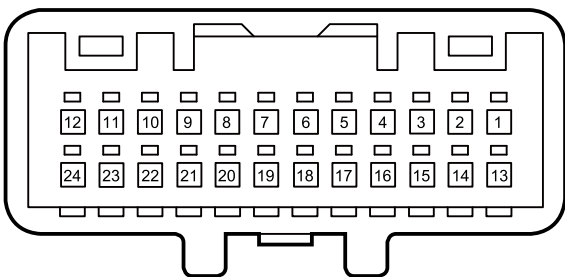
Instrument harness terminal definition

IP01a Instrument cluster harness connector 1



Pin	Functions	Note
1	B+Power supply	-
2	IG1 power supply	-
3	-	-
4	IF CAN-L	-
5	IF CAN-H	-
6	-	-
7	Grounding	-
8	Grounding	-
9	-	-
10	-	-
11	-	-
12	-	-

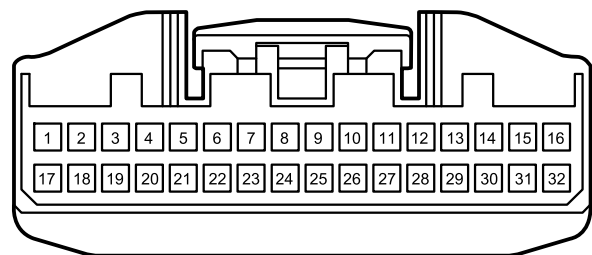
IP02m Instrument panel harness to engine compartment harness connector 1



Pin	Functions	Note
1	IF CAN-H	-
2	IF CAN-L	-
3	A/C low pressure sensor/A/C pressure sensor/PT sensor 5V power supply	-
4	Private CAN-H1	-
5	Private CAN-L1	-

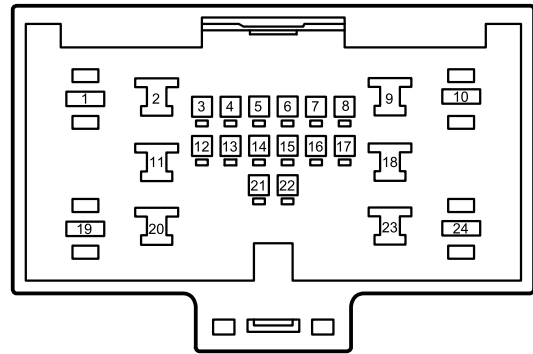
Pin	Functions	Note
6	Right front position light signal	-
7	-	-
8	Sensor grounding	-
9	Private CAN-H2	-
10	Private CAN-L2	-
11	CS CAN-L	-
12	CS CAN-H	-
13	Heat exchanger solenoid valve 3 control signal	Heat pump
13	Heat exchanger solenoid valve 2 control signal	Non-heat pump
14	Heat exchanger solenoid valve 5 control signal	-
15	Heat exchanger solenoid valve 4 control signal	-
16	Heat exchanger solenoid valve 1 control signal	-
17	Cooler outlet refrigerant temperature signal	-
18	-	-
19	Evaporator outlet refrigerant temperature signal	-
20	A/C pressure signal	-
21	Blower relay control	-
22	Left front position light signal	-
23	-	-
24	Impact signal	-

IP03m Instrument panel harness to engine compartment harness connector 2



Pin	Functions	Note
1	-	-
2	Refrigerant temperature signal	-

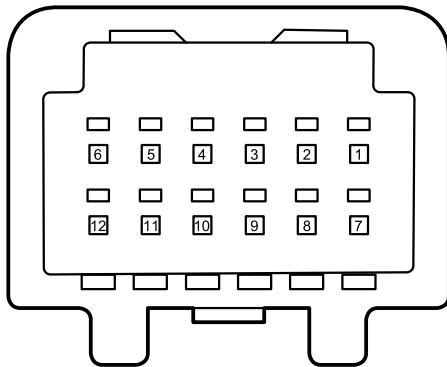
Pin	Functions	Note
3	Front motor compartment contact switch signal	-
4	EPB release signal input	-
5	EPB application signal input	-
6	Front wiper stop-position switch	-
7	EPB application signal output	-
8	-	-
9	Outside temperature sensor positive	-
10	Temperature sensor grounding	-
11	-	-
12	-	-
13	Left high beam light signal	-
14	Right low beam light signal	-
15	Low-speed wiper relay control	-
16	High-speed wiper relay control	-
17	IG2 power supply	-
18	Motor adjustment signal	-
19	Right front turn signal light signal	-
20	Left front turn signal light signal	-
21	HB CAN-H	-
22	HB CAN-L	-
23	-	-
24	-	-
25	-	-
26	-	-
27	EPB release signal output	-
28	-	-
29	-	-
30	A/C main relay control	-
31	Battery cooling water pump control signal	-
32	Heating water pump control signal	-



Pin	Functions	Note
1	Motor positive	-
2	Front washer signal	-
3	Front turn signal light diagnosis signal	-
4	Right front reversing radar probe/left front reversing radar probe/right front middle reversing radar probe/left front middle reversing radar probe	-
5	PT sensor temperature signal	-
6	-	-
7	Horn relay control	-
8	Rearview mirror heating power supply	-
9	Rear washer signal	-
10	B+Power supply	-
11	IG1 power supply	-
12	-	-
13	-	-
14	LIN communication	-
15	Rear defroster relay control	-
16	Medium voltage signal	Non-heat pump
16	PT sensor pressure signal	Heat pump
17	A/C pressure sensor signal	-
18	Central locking signal	-
19	B+Power supply	-
20	Charging port lock motor unlocking signal	-
21	CS CAN-H	-
22	CS CAN-L	-
23	-	-
24	-	-

IP04c Instrument panel harness to engine compartment harness connector 3

IP05b Instrument panel harness to engine compartment harness connector 4

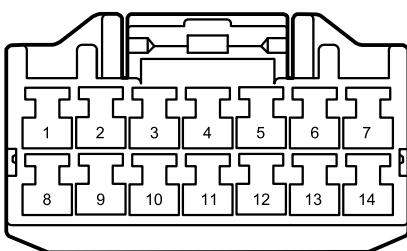


Pin	Functions	Note
1	Courtesy signal	-
2	Turn signal light dynamic lighting signal	-
3	HB CAN-H	-
4	HB CAN-L	-
5	Right daytime running light signal	-
6	Left daytime running light signal	-
7	-	-
8	-	-
9	Startup signal	-
10	Brake light switch signal	-
11	Right high beam light signal	-
12	Left low beam light signal	-

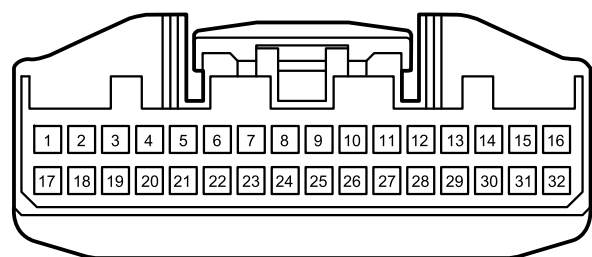
Pin	Functions	Note
4	Charger controller power supply/seat module power supply/sunshade power supply/front passenger seat cushion fan power supply/front passenger seat backrest fan power supply/driver seat cushion fan power supply/driver seat backrest fan power supply	-
5	Private CAN-L1	-
6	B+Power supply	-
7	Central locking signal	-
8	Private CAN-H2	-
9	Private CAN-L2	-
10	Central control unlocking signal (except that at driver side)	-
11	Unlocking signals of driver side door lock motor/charging port lock motor unlocking signal	Domestic version
11	Driver side door lock motor/rear charging port lock motor unlocking signal	Over-seas Edition
12	IG1 power supply	-
13	Driver frontal airbag negative	-
14	Driver frontal airbag positive	-

IP08d Instrument panel harness to floor harness connector 2

IP07d Instrument panel harness to floor harness connector 1



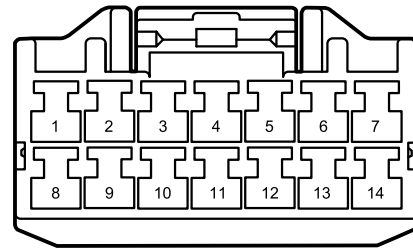
Pin	Functions	Note
1	LIN Communication	-
2	Reversing radar signal	-
3	Private CAN-H1	-



Pin	Functions	Note
1	Central locking switch status indicator light	-
2	Window locking indicator light	-
3	Cruise control switch grounding	-
4	Left front concealed door handle motor positive	-
5	-	-

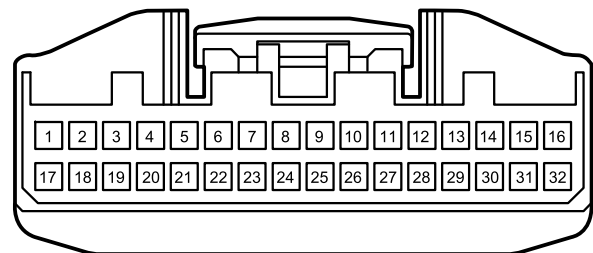
Pin	Functions	Note
6	LIN communication (sunshade module)	-
7	-	-
8	Left front concealed door handle shut-off signal	-
9	Left front concealed door handle upwarp signal	-
10	B+Power supply	-
11	Boot light signal	-
12	Backdoor lock motor unlocking	-
13	Backlight signal	-
14	Left front concealed door handle indicator signal	-
15	Concealed door handle indicator signal (except that at driver side)	-
16	LIN communication (driver side door window regulator motor/right rear door window regulator motor/left rear door window regulator motor/front passenger side door window regulator motor/glass anti-pinch module)	-
17	-	-
18	-	-
19	Turn signal light power supply	-
20	-	-
21	-	-
22	-	-
23	-	-
24	Cruise switch signal	-
25	-	-
26	-	-
27	-	-
28	Bake light signal	-
29	CF CAN-H	-
30	CF CAN-L	-
31	-	-
32	Cruise switch setting signal	-

IP09j Instrument panel harness to floor harness connector 3



Pin	Functions	Note
1	-	-
2	-	-
3	Rearview mirror folding	-
4	Unfolding of rearview mirrors	-
5	Rear wiper motor positive	-
6	Rear fog light signal	-
7	Reset signal	-
8	Front backup power	-
9	Rear USB power supply	-
10	Front passenger side door window regulator motor/right rear door window regulator motor power supply	Domestic version
10	Front passenger and right rear window power supply	Over-seas Edition
11	Sunshade opening	-
12	Sunshade closing	-
13	-	-
14	-	-

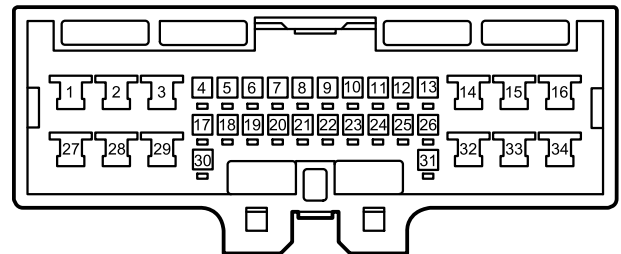
IP10f Instrument panel harness to floor harness connector 4



Pin	Functions	Note
1	Loudspeaker positive	-
2	Left rear middle reversing radar probe power supply/right rear middle reversing radar probe power supply/left rear reversing radar probe power supply/reversing radar controller power supply/PM2.5 sensor power supply	-
3	Front passenger's frontal airbag signal negative	-
4	Front passenger's frontal airbag signal positive	-
5	Right turn signal light power supply	-
6	Left rear concealed door handle upwarp signal	-
7	Left rear concealed door handle shut-off signal	-
8	Driver side door woofer positive/left front tweeter positive	-
9	LIN communication (RF receiving module)	-
10	LIN communication (PM2.5 sensor)	-
11	Automatic parking module ACC power supply	-
12	Reverse light signal	-
13	Left rear position light signal	-
14	-	-
15	High mount Brake light signal	-
16	-	-
17	Front passenger side door woofer positive/right front tweeter positive	-
18	Front passenger side door woofer negative/right front tweeter negative	-
19	-	-
20	-	-
21	Automatic parking module B+ power supply	-
22	Impact signal	-
23	Driver side door woofer negative/left front tweeter negative	-
24	B+Power supply	-
25	Loudspeaker negative	-

Pin	Functions	Note
26	Power amplifier ACC signal	-
27	Power amplifier control signal	-
28	Rearview mirror heating power supply	-
29	Right rear position light signal	-
30	HB CAN-H	-
31	HB CAN-L	-
32	RF receiving module power supply/charger controller power supply/right blind zone monitoring controller power supply/left blind zone monitoring controller power supply	-

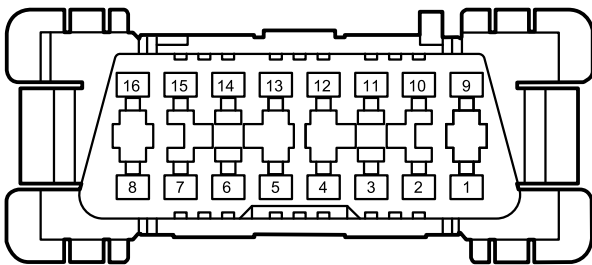
IP11 Instrument harness to roof harness connector



Pin	Functions	Note
1	-	-
2	Door control signal	-
3	LIN Communication	-
4	IG1 power supply	-
5	Reverse light signal	-
6	CS CAN-L1	-
7	CS CAN-H1	-
8	Backlight signal	-
9	Power saving relay	-
10	Sunshade opening	-
11	B+Power supply	-
12	Sunshade closing	-
13	Electronic dimming mirror power supply/dashboard camera power supply	-
14	-	-
15	SOS switch grounding	-
16	SOS switch signal	-

Pin	Functions	Note
17	Microphone 2 positive	-
18	Microphone 2 negative	-
19	Microphone 1 positive	-
20	Microphone 1 negative	-
21	CS CAN-H2	-
22	CS CAN-L2	-
23	-	-
24	-	-
25	SOS indicator power supply	-
26	SOS indicator light grounding	-
27	Grounding	-
28	-	-
29	-	-
30	-	-
31	-	-
32	-	-
33	-	-
34	-	-

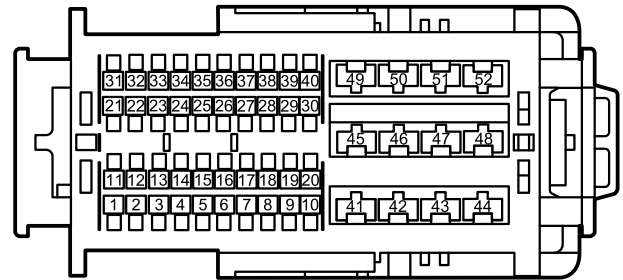
IP19 DLC harness connector



Pin	Functions	Note
1	-	-
2	HB CAN-H	-
3	-	-
4	Grounding	-
5	Grounding	-
6	IF CAN-H	-
7	-	-
8	-	-
9	-	-
10	HB CAN-L	-
11	-	-

Pin	Functions	Note
12	-	-
13	-	-
14	IF CAN-L	-
15	-	-
16	B+Power supply	-

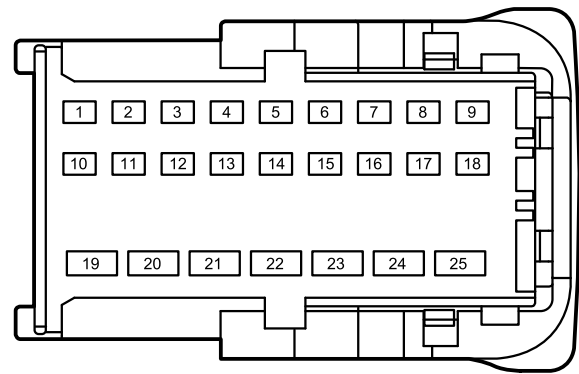
IP20 Body control module harness connector 1



Pin	Functions	Note
1	Startup signal	-
2	IG1 power supply	-
3	Brake light switch signal	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-
13	Front turn signal light diagnosis signal	-
14	Front motor compartment contact switch signal	-
15	-	-
16	-	-
17	-	-
18	Front wiper stop-position switch input	-
19	-	-
20	-	-
21	Hazard warning light switch signal	-
22	-	-
23	-	-

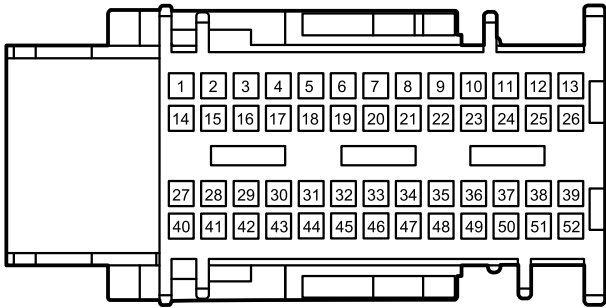
Pin	Functions	Note
24	Turn signal light dynamic lighting signal output	-
25	-	-
26	Wireless charging enabling	-
27	-	-
28	Low-speed wiper relay control	-
29	High-speed wiper relay control	-
30	-	-
31	-	-
32	-	-
33	-	-
34	Horn relay control	-
35	-	-
36	Rear defroster relay control	-
37	-	-
38	-	-
39	-	-
40	-	-
41	-	-
42	Front charging port cover motor/driver side door lock motor/AC charging port lock signal	-
43	Central control door lock power supply	-
44	Central control unlocking signal (except that at driver side)	-
45	Grounding	-
46	Left low beam signal output	-
47	Central locking signal	-
48	-	-
49	Power supply for washer	-
50	Rear washer signal output	-
51	Front washer signal output	-
52	Exterior light power supply 2	-

IP21b Body control module harness connector 2



Pin	Functions	Note
1	Right high beam signal output	-
2	Left daytime running light signal output	-
3	Backdoor lock motor unlocking	-
4	High-mounted brake light signal output	-
5	Power saving relay output	-
6	Rear fog light signal output	-
7	Brake light signal output	-
8	Reverse light signal output	-
9	Left high beam signal output	-
10	Door-control gear of reading light	-
11	-	-
12	Right position light signal output	-
13	Backlight signal output	-
14	Right turn signal output	-
15	Signal output of left turn signal	-
16	Right daytime running light signal output	-
17	Left position light signal output	-
18	-	-
19	Grounding	-
20	Right low beam signal output	-
21	Exterior light power supply 1	-
22	B+Power supply	-
23	Turn signal light power supply	-
24	-	-
25	-	-

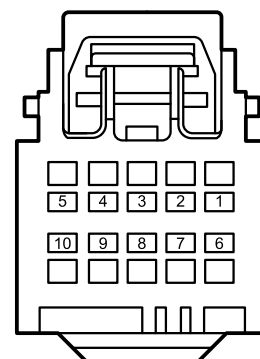
IP22b Body control module harness connector 3



Pin	Functions	Note
1	Hazard warning switch indicator light	-
2	-	-
3	-	-
4	Courtesy signal	-
5	-	-
6	-	-
7	-	-
8	-	-
9	Rearview mirror folding	-
10	Unfolding of rearview mirrors	-
11	-	-
12	Foot light signal output	-
13	-	-
14	Central locking switch status indicator light	-
15	-	-
16	-	-
17	-	-
18	Boot light signal output	-
19	Ambient light sensor signal	-
20	ACC power supply	-
21	IG2 power supply	-
22	Impact signal	-
23	Rear wiper relay control	-
24	IG2 relay control	-
25	ACC relay control	-
26	-	-
27	-	-
28	-	-

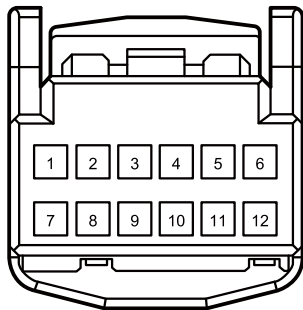
Pin	Functions	Note
29	LIN communication (rain sensor/driver side door window regulator motor/left rear door window regulator motor/front passenger side door window regulator motor/right rear door window regulator motor)	-
30	-	-
31	-	-
32	-	-
33	-	-
34	IG1 relay control	-
35	-	-
36	-	-
37	-	-
38	-	-
39	Window locking indicator light	-
40	-	-
41	CF CAN-L	-
42	CF CAN-H	-
43	LIN communication (sunshade module/door handle control module)	-
44	-	-
45	-	-
46	-	-
47	-	-
48	-	-
49	-	-
50	-	-
51	-	-
52	LIN communication (RF receiving module)	-

IP35 EPS module harness connector



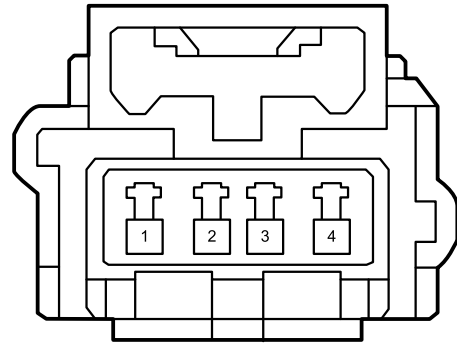
Pin	Functions	Note
1	IG1 power supply	-
2	CS CAN-H	-
3	-	-
4	CS CAN-L	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-

IP39c Clock spring harness connector A



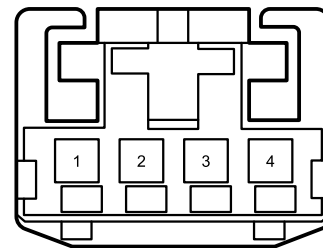
Pin	Functions	Note
1	-	-
2	-	-
3	Cruise control setting signal	-
4	Cruise control switch grounding	-
5	Cruise switch signal	-
6	-	-
7	Left multimedia switch	-
8	Multimedia switch grounding	-
9	Right multimedia switch	-
10	Backlight light grounding	-
11	Backlight power supply	-
12	-	-

IP40c Clock spring harness connector B



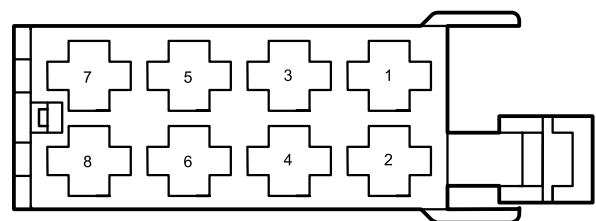
Pin	Functions	Note
1	-	-
2	Horn relay control	-
3	Driver frontal airbag negative	-
4	Driver frontal airbag positive	-

IP41a Steering angle sensor harness connector

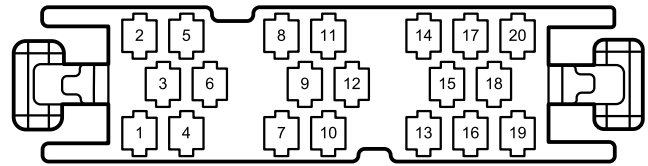


Pin	Functions	Note
1	CS CAN-L	-
2	CS CAN-H	-
3	IG1 power supply	-
4	Grounding	-

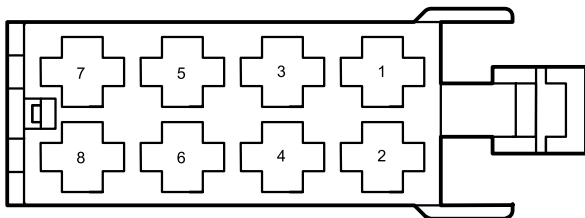
IP47 Head unit harness connector A



Pin	Functions	Note
1	Steering wheel signal input L	-
2	Steering wheel signal grounding	-
3	Steering wheel signal input R	-
4	ACC power supply	-
5	-	-
6	Reversing radar signal	-
7	B+Power supply	-
8	Grounding	-



IP48 Head unit harness connector B

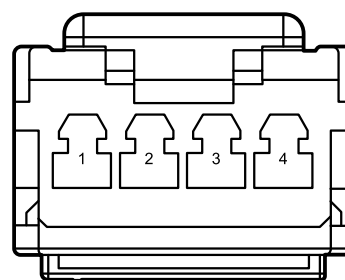


Pin	Functions	Note
1	Right rear door loudspeaker signal positive	-
2	Right rear door loudspeaker signal negative	-
3	Front passenger side door woofer positive/right front tweeter positive	-
4	Front passenger side door woofer negative/right front tweeter negative	-
5	Driver side door woofer positive/left front tweeter positive	-
6	Driver side door woofer negative/left front tweeter negative	-
7	Left rear loudspeaker signal positive	-
8	Left rear loudspeaker signal negative	-

IP49 Head unit harness connector C

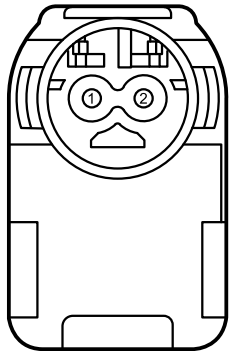
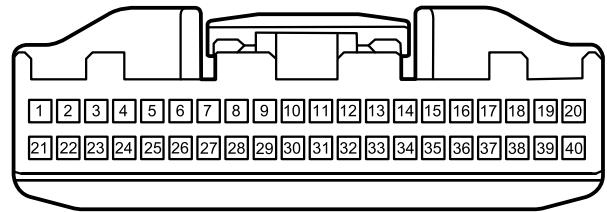
Pin	Functions	Note
1	-	-
2	Microphone 2 positive	-
3	Microphone 1 negative	-
4	-	-
5	Microphone 2 negative	-
6	Microphone 1 positive	-
7	IF CAN-L	-
8	-	-
9	-	-
10	IF CAN-H	-
11	-	-
12	-	-
13	LIN Communication	-
14	-	-
15	-	-
16	-	-
17	-	-
18	Mute signal	-
19	-	-
20	-	-

IP56a Hazard warning switch harness connector



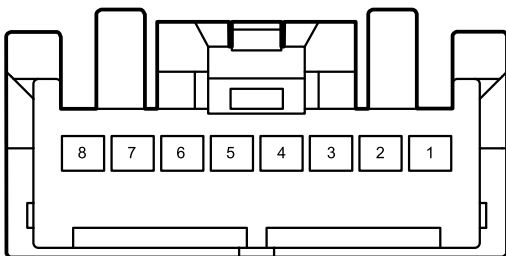
Pin	Functions	Note
1	Switch signal output	-
2	Grounding	-
3	-	-
4	Switch indicator signal positive	-

IP58b Front passenger airbag harness connector



Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

IP59 Ambient light and sunlight sensor harness connector



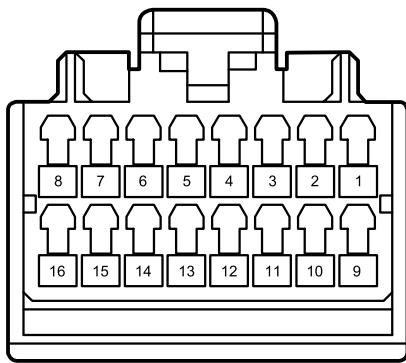
Pin	Functions	Note
1	-	-
2	Ambient light sensor power supply	-
3	Sunlight sensor signal (right channel)	-
4	Sunlight sensor ground	-
5	Sunlight sensor signal (left channel)	-
6	Ambient light sensor signal output	-
7	Ambient light sensor grounding	-
8	-	-

IP66 T-BOX Module Harness Connector

Pin	Functions	Note
1	IG1 power supply	-
2	-	-
3	Grounding	-
4	-	-
5	Microphone output negative	-
6	Microphone input positive	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	HB CAN-L	-
19	IF CAN-H	-
20	B+Power supply	-
21	-	-
22	-	-
23	-	-
24	-	-
25	Microphone output positive	-
26	Microphone input positive	-
27	-	-
28	-	-
29	-	-
30	-	-
31	-	-
32	-	-

Pin	Functions	Note
33	-	-
34	-	-
35	-	-
36	-	-
37	-	-
38	HB CAN-H	-
39	IF CAN-L	-
40	Grounding	-

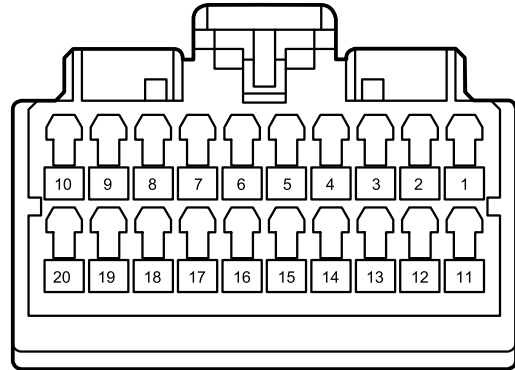
IP79a Thermal management control module harness connector 1



Pin	Functions	Note
1	ACC power supply	-
2	Sunlight sensor signal (left channel)	-
3	Sunlight sensor signal (right channel)	-
4	-	-
5	-	-
6	-	-
7	Ionizer control signal	-
8	Grounding	-
9	CF CAN-H	-
10	CF CAN-L	-
11	LIN communication (VCU/electronic expansion valve 1/electronic expansion valve 2/refrigerant pipe solenoid valve/PTC heating controller 2/A/C compressor/Electromagnetic water valve/four-way valve/three-way solenoid valve A/PM2.5 sensor)	-
12	B+Power supply	-
13	Grounding	-
14	Internal temperature sensor signal	-

Pin	Functions	Note
15	Exterior temperature sensor signal	-
16	-	-

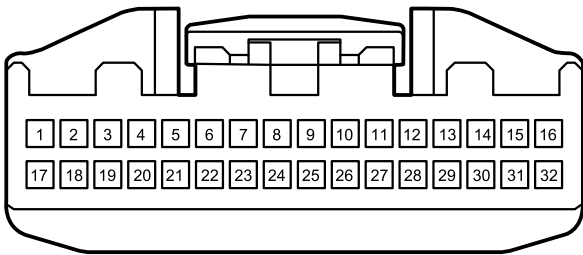
IP80a Thermal management control module harness connector 2



Pin	Functions	Note
1	-	-
2	Left temperature damper motor negative	-
3	Left temperature damper motor positive	-
4	Cooler outlet refrigerant temperature signal	-
5	A/C pressure sensor/A/C low pressure switch signal	-
6	PT sensor temperature signal	-
7	Ionizer feedback signal	-
8	PT sensor/A/C pressure sensor/A/C low pressure switch power supply	-
9	PT sensor/A/C pressure sensor/refrigerant temperature sensor grounding	-
10	-	-
11	Front passenger side air hose face sensor signal	-
12	Driver side air hose face sensor signal	-
13	Blower control signal	-
14	Blower feedback negative	-
15	Blower feedback positive	-
16	Battery cooling water pump control signal	-
17	Motor temperature feedback at driver side	-

Pin	Functions	Note
18	-	-
19	A/C high/low pressure signal	-
20	-	-

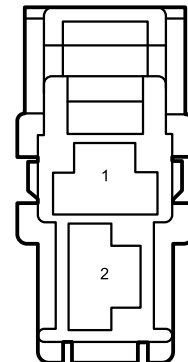
IP87f Instrument panel harness to automatic A/C harness connector A



Pin	Functions	Note
1	Right temperature damper motor negative	-
2	Right temperature damper motor positive	-
3	Mode damper motor negative	-
4	Mode damper motor positive	-
5	Left temperature damper motor negative	-
6	Left temperature damper motor positive	-
7	Internal/external circulation motor negative	-
8	Internal/external circulation motor positive	-
9	Blower feedback negative	-
10	Blower feedback positive	-
11	Blower control signal	-
12	ACC power supply	-
13	Grounding	-
14	AQS control signal	-
15	Ionizer feedback signal	-
16	-	-
17	Actuator 5V power supply	-
18	Actuator grounding	-
19	Right motor temperature feedback	-

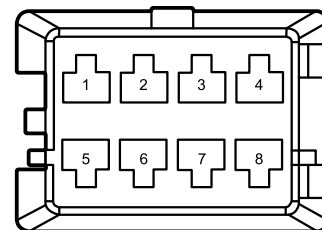
Pin	Functions	Note
20	Mode damper motor mode feedback	-
21	Left motor temperature feedback	-
22	Internal/external circulation motor feedback	-
23	Air hose sensor grounding	-
24	Evaporator temperature sensor positive	-
25	Right air hose footwell sensor signal	-
26	Left air hose footwell sensor signal	-
27	Right air hose face sensor signal	-
28	Left air hose face sensor signal	-
29	Ionizer control signal	-
30	-	-
31	-	-
32	-	-

IP88 Instrument panel harness to automatic A/C harness connector B



Pin	Functions	Note
1	Blower motor positive	-
2	Grounding	-

IP101a JC01 harness connector

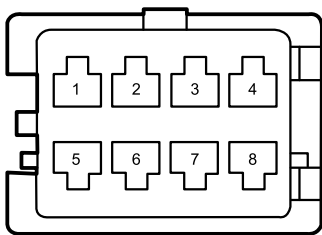


Pin	Functions	Note
1	-	-
2	HB CAN-H	-
3	HB CAN-H	-
4	HB CAN-H	-
5	-	-
6	HB CAN-L	-
7	HB CAN-L	-
8	HB CAN-L	-

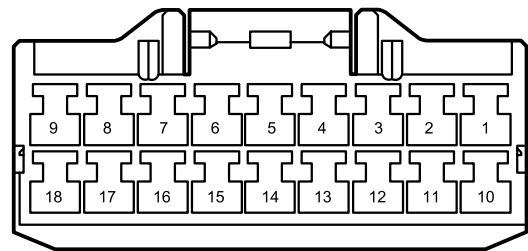
Pin	Functions	Note
4	IF CAN-H	-
5	IF CAN-L	-
6	IF CAN-L	-
7	IF CAN-L	-
8	IF CAN-L	-

IP111g Instrument panel harness to floor harness connector 5

IP102 JC02 harness connector

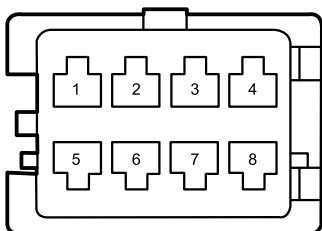


Pin	Functions	Note
1	CS CAN-H	-
2	CS CAN-H	-
3	CS CAN-H	-
4	CS CAN-H	-
5	CS CAN-L	-
6	CS CAN-L	-
7	CS CAN-L	-
8	CS CAN-L	-



Pin	Functions	Note
1	Right front tweeter positive	-
2	Right front tweeter negative	-
3	Left front tweeter positive	-
4	Left front tweeter negative	-
5	Left rear loudspeaker signal positive	-
6	Left rear loudspeaker signal negative	-
7	Right rear door loudspeaker signal positive	-
8	Right rear door loudspeaker signal negative	-
9	-	-
10	-	-
11	Courtesy signal	-
12	Turn signal light dynamic lighting signal	-
13	Right front concealed door handle shut-off signal	-
14	Right front concealed door handle upwarp signal	-
15	Right rear concealed door handle shut-off signal	-
16	Right rear concealed door handle upwarp signal	-

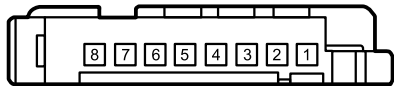
IP103 JC03 harness connector



Pin	Functions	Note
1	IF CAN-H	-
2	IF CAN-H	-
3	IF CAN-H	-

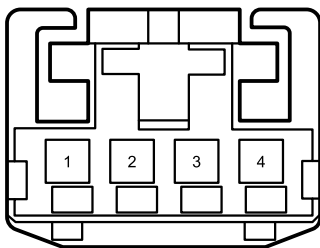
Pin	Functions	Note
17	-	-
18	-	-

IP135 Wireless charging module harness connector



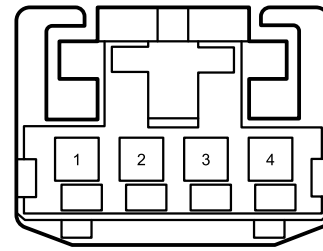
Pin	Functions	Note
1	Grounding	-
2	-	-
3	LIN Communication	-
4	-	-
5	Wireless charging enabling	-
6	-	-
7	-	-
8	B+Power supply	-

IP136f Driver side ambient light harness connector



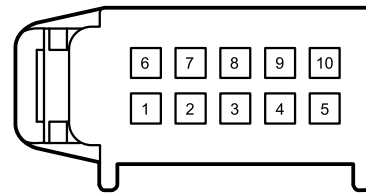
Pin	Functions	Note
1	-	-
2	B+Power supply	-
3	Grounding	-
4	LIN Communication	-

IP140c Center console left ambient light harness connector



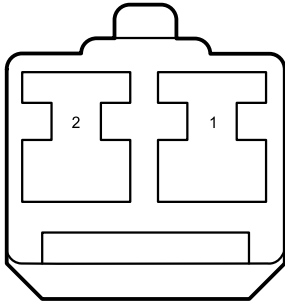
Pin	Functions	Note
1	-	-
2	B+Power supply	-
3	Grounding	-
4	LIN Communication	-

IP141 EPB switch harness connector



Pin	Functions	Note
1	EPB application signal output	-
2	EPB release signal output	-
3	EPB release signal input	-
4	EPB application signal input	-
5	-	-
6	Backlight power supply	-
7	-	-
8	-	-
9	-	-
10	Grounding	-

IP145 Driver side foot lighting light harness connector

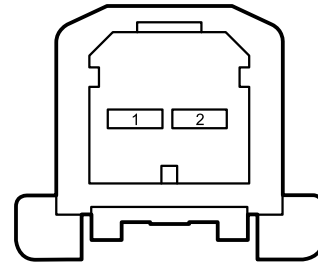


Pin	Functions	Note
5	-	-
6	-	-
7	-	-
8	-	-

IP150b Instrument panel harness to floor harness connector 6

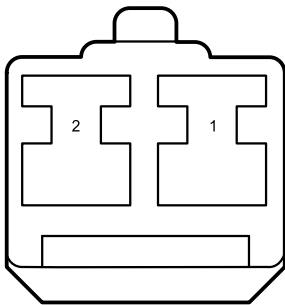
Pin	Functions	Note
1	Grounding	-
2	Power supply	-

IP146 Front passenger side foot lighting light harness connector



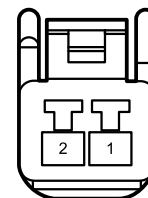
Pin	Functions	Note
1	Concealed door handle motor positive (excluding driver side door)	-
2	Concealed door handle motor negative	-

IP153b Interior temperature sensor harness connector



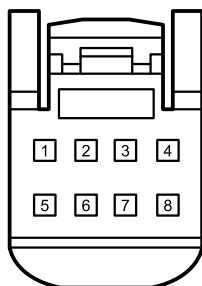
Pin	Functions	Note
1	Grounding	-
2	Power supply	-

IP147a Display screen harness connector 1

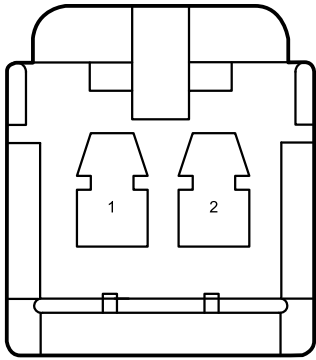


Pin	Functions	Note
1	Sensor negative	-
2	Sensor positive	-

IP160a Left front tweeter harness connector

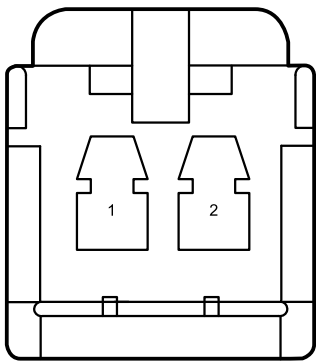


Pin	Functions	Note
1	Grounding	-
2	-	-
3	-	-
4	B+Power supply	-



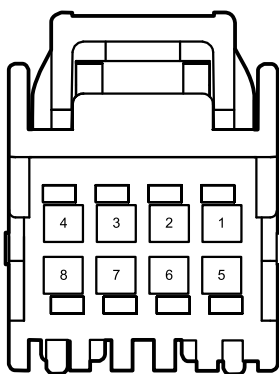
Pin	Functions	Note
1	Loudspeaker negative	-
2	Loudspeaker positive	-

IP163a Right front tweeter harness connector



Pin	Functions	Note
1	Loudspeaker negative	-
2	Loudspeaker positive	-

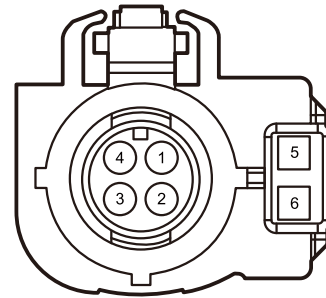
IP183c Heads up display harness connector



Pin	Functions	Note
1	-	-
2	IF CAN-H	-
3	-	-
4	Grounding	-
5	-	-

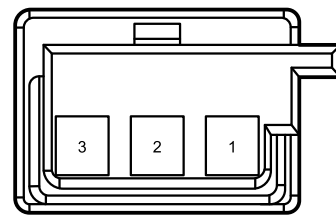
Pin	Functions	Note
6	IF CAN-L	-
7	-	-
8	B+Power supply	-

IP231 Multimedia display screen harness connector



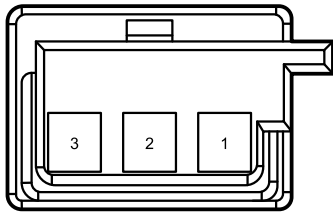
Pin	Functions	Note
1	-	-
2	-	-
3	-	-
4	-	-
5	B+Power supply	-
6	Grounding	-

IP233a Driver side USB harness connector



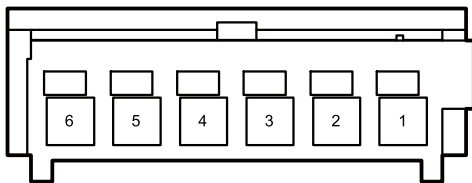
Pin	Functions	Note
1	Grounding	-
2	-	-
3	ACC power supply	-

IP236a Front passenger side USB harness connector



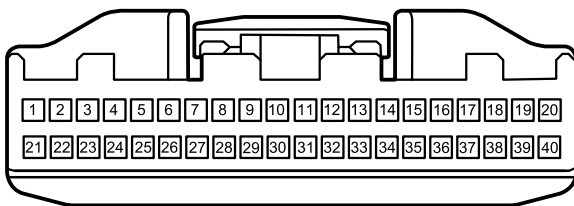
Pin	Functions	Note
1	Grounding	-
2	-	-
3	ACC power supply	-

IP261b Instrument cluster harness connector 2



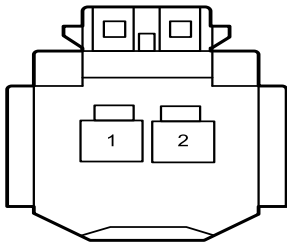
Pin	Functions	Note
1	Private CAN-L	-
2	Private CAN-H	-
3	-	-
4	-	-
5	Grounding	-
6	Power supply	-

IP268a E-CALL harness connector



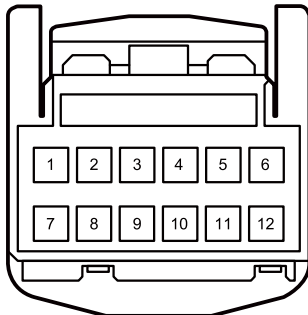
Pin	Functions	Note
1	IG1 power supply	-
2	-	-
3	-	-
4	-	-
5	-	-
6	Microphone positive	-
7	-	-
8	-	-
9	E-CALL loudspeaker positive	-
10	SOS switch grounding	-
11	Impact signal	-
12	SOS indicator light grounding	-
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	IF CAN-H	-
20	B+Power supply	-
21	-	-
22	-	-
23	-	-
24	-	-
25	-	-
26	Microphone negative	-
27	-	-
28	-	-
29	E-CALL loudspeaker negative	-
30	SOS switch signal	-
31	-	-
32	Mute signal	-
33	-	-
34	SOS indicator power supply	-
35	-	-
36	-	-
37	-	-
38	-	-
39	IF CAN-L	-
40	Grounding	-

IP280 E-CALL loudspeaker harness connector



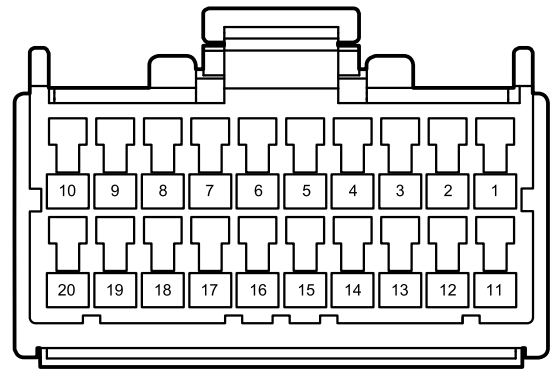
Pin	Functions	Note
1	Loudspeaker negative	-
2	Loudspeaker positive	-

IP297d Head unit harness connector D



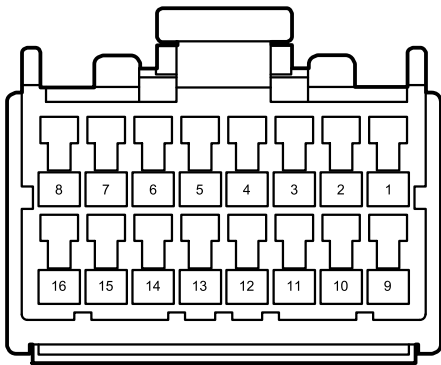
Pin	Functions	Note
1	-	-
2	-	-
3	Power amplifier control signal	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	Power amplifier ACC signal	-
10	-	-
11	-	-
12	-	-

IP349 Thermal management control module harness connector 3



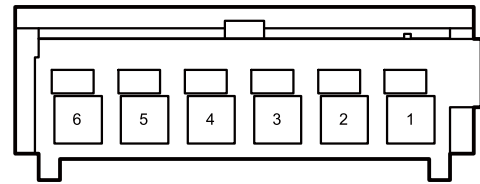
Pin	Functions	Note
1	Mode damper motor negative	-
2	Mode damper motor positive	-
3	AQS control signal	-
4	Heating water pump control signal	-
5	Right temperature damper motor negative	-
6	Right temperature damper motor positive	-
7	Internal/external circulation motor negative	-
8	Internal/external circulation motor positive	-
9	-	-
10	-	-
11	Damper motor mode feedback	-
12	-	-
13	Right motor temperature feedback	-
14	Evaporator temperature sensor positive	-
15	Left air hose footwell sensor signal	-
16	Right air hose footwell sensor signal	-
17	Internal/external circulation motor feedback	-
18	Blower relay control	-
19	Temperature/mode/internal and external circulation actuator 5V power supply	-
20	Temperature/mode/internal and external circulation actuator grounding	-

IP350 Thermal management control module harness connector 4



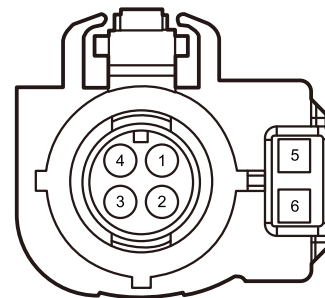
Pin	Functions	Note
1	-	-
2	Temperature sensor/sunlight sensor grounding	-
3	A/C main relay control	-
4	Heat exchanger solenoid valve 1 control signal	-
5	-	-
6	Evaporator outlet refrigerant temperature signal	-
7	Heat exchanger solenoid valve 3 control signal	Model with heat pump
7	Heat exchanger solenoid valve 2 control signal	Non-heat pump model
8	B+Power supply	-
9	Grounding	-
10	Air hose sensor grounding	-
11	Refrigerant temperature signal	-
12	Heat exchanger solenoid valve 4 control signal	-
13	Heat exchanger solenoid valve 5 control signal	-
14	PT sensor pressure signal	Model with heat pump
14	Medium voltage signal	Non-heat pump model
15	-	-
16	-	-

IP351 Instrument cluster display screen harness connector (overseas)



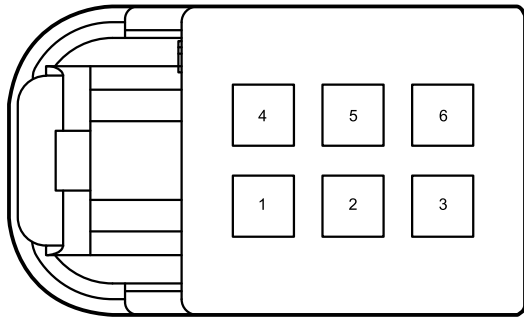
Pin	Functions	Note
1	Power supply	-
2	Grounding	-
3	-	-
4	-	-
5	Private CAN-H	-
6	Private CAN-L	-

IP351a Instrument cluster display screen harness connector (domestic)



Pin	Functions	Note
1	-	-
2	-	-
3	-	-
4	-	-
5	B+Power supply	-
6	Grounding	-

IP352 Instrument combination switch harness connector

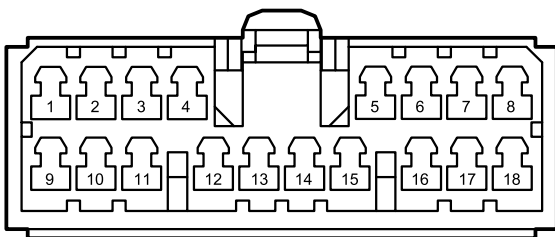


Pin	Functions	Note
1	Headlight power supply signal positive	-
2	Motor adjustment signal	-
3	Backlight power supply	-
4	Grounding	-
5	-	-
6	-	-

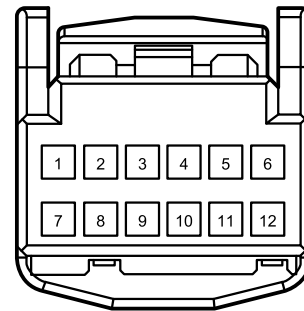
IP353 Door handle control module harness connector

Pin	Functions	Note
11	Right front concealed door handle shut-off signal	-
12	Right front concealed door handle upwarp signal	-
13	Left rear concealed door handle shut-off signal	-
14	Left rear concealed door handle upwarp signal	-
15	Right rear concealed door handle shut-off signal	-
16	Right rear concealed door handle upwarp signal	-
17	Concealed door handle indicator signal (except that at driver side)	-
18	Left front concealed door handle indicator light signal	-

IP388a Ambient light controller harness connector



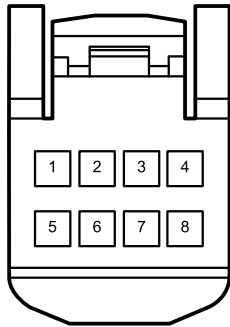
Pin	Functions	Note
1	B+Power supply	-
2	Grounding	-
3	LIN Communication	-
4	-	-
5	Concealed door handle motor negative	-
6	Concealed door handle motor positive (excluding driver side)	-
7	Left front concealed door handle motor positive	-
8	-	-
9	Left front concealed door handle shut-off signal	-
10	Left front concealed door handle upwarp signal	-



Pin	Functions	Note
1	-	-
2	-	-
3	Horn output P terminal	-
4	Horn output N terminal	-
5	-	-
6	B+Power supply	-
7	LIN communication (head unit) input signal	-
8	LIN communication (Driver side ambient light/center console left ambient light/front passenger side door ambient light/driver side door ambient light/Head unit) output signal	-
9	Grounding	-

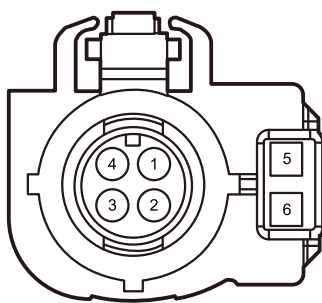
Pin	Functions	Note
10	-	-
11	-	-
12	-	-

IP397 Combination switch (column shifter) harness connector



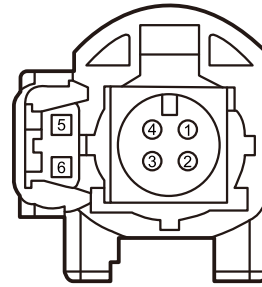
Pin	Functions	Note
1	-	-
2	-	-
3	IG1 power supply	-
4	B+Power supply	-
5	-	-
6	HB CAN-H	-
7	HB CAN-L	-
8	Grounding	-

IP398 Instrument conversional harness to instrument harness connector



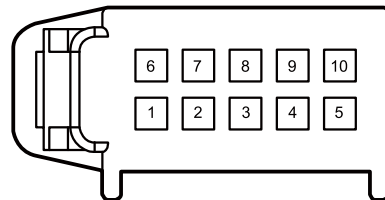
Pin	Functions	Note
1	-	-
2	-	-
3	-	-
4	-	-
5	B+Power supply	-
6	Grounding	-

IP399 Instrument harness to instrument conversional harness connector



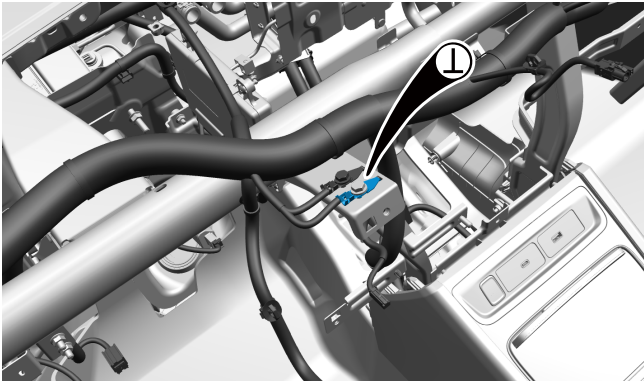
Pin	Functions	Note
1	-	-
2	-	-
3	-	-
4	-	-
5	B+Power supply	-
6	Grounding	-

IP400 Combination switch (light & wiper) harness connector

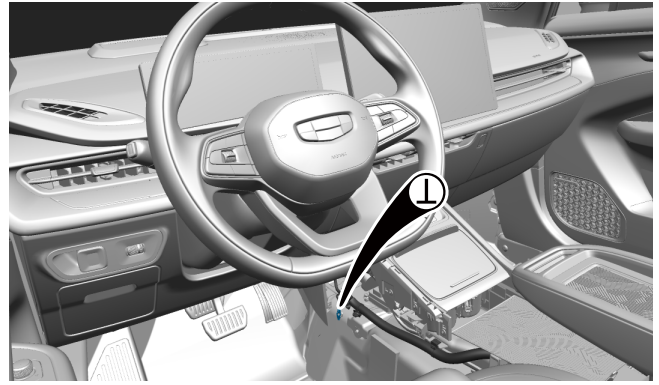


Pin	Functions	Note
1	-	-
2	-	-
3	CS CAN-H	-
4	CS CAN-L	-
5	Grounding	-
6	IG1 power supply	-
7	-	-
8	-	-
9	-	-
10	B+Power supply	-

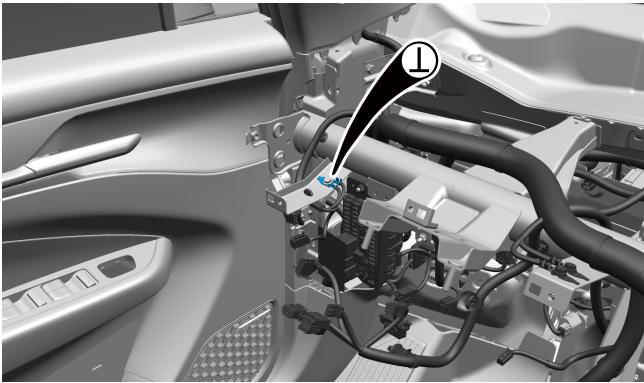
G13 Instrument harness grounding



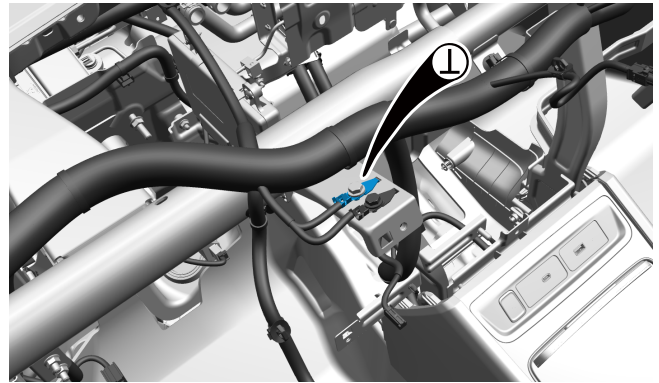
G14 Instrument harness grounding



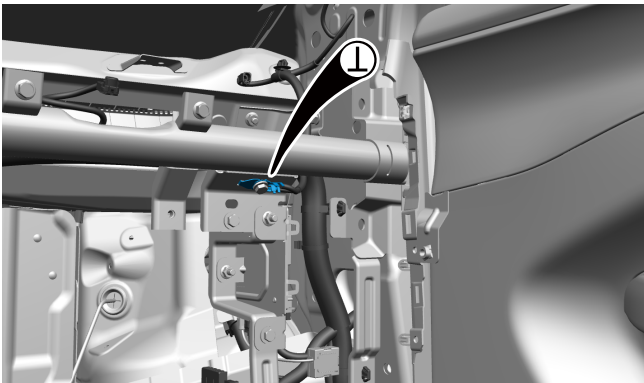
G18 Instrument harness grounding



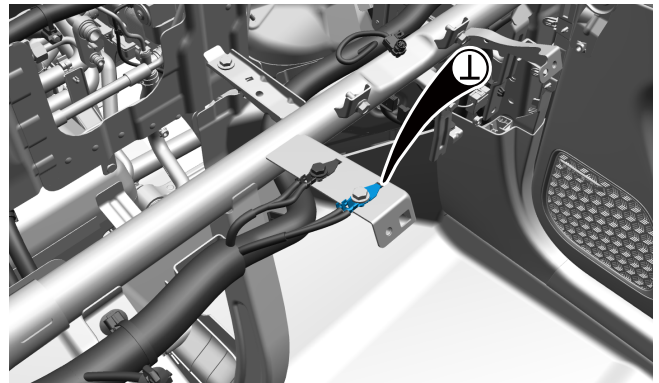
G15 Instrument harness grounding



G19 Instrument harness grounding

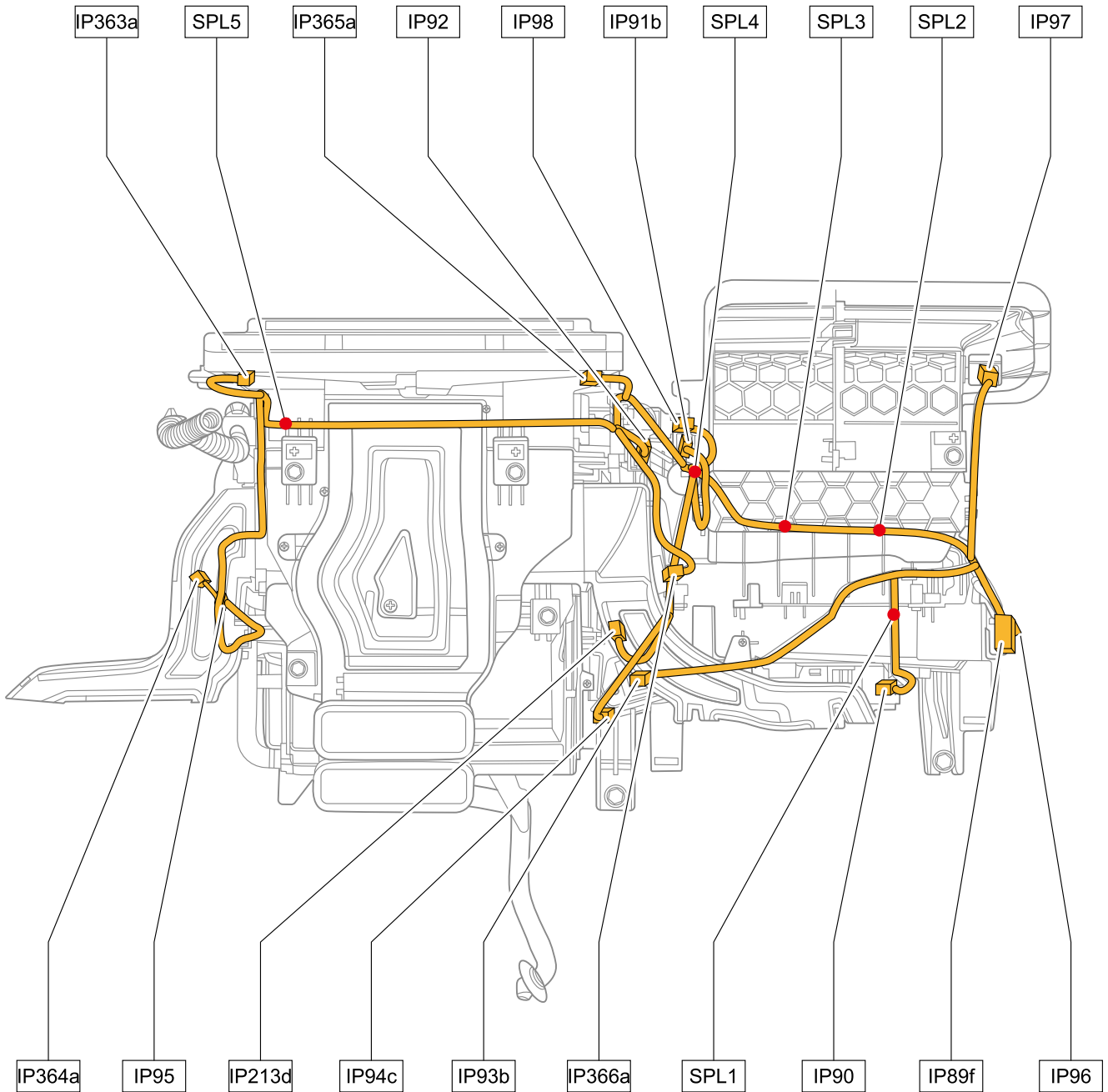


G16 Instrument harness grounding



G17 Instrument harness grounding

A/C harness layout drawing

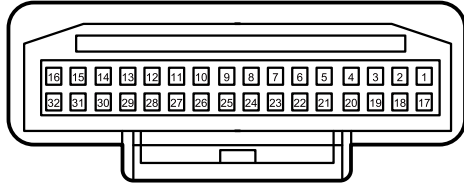


A/C harness connector list

Harness connector	Name	Harness connector	Name
IP89f	Automatic A/C harness to instrument panel harness connector A	IP97	AQS harness connector
IP90	Blower harness connector	IP98	Ionizer harness connector
IP91b	Internal and external circulation actuator harness connector	IP213d	Right temperature actuator harness connector
IP92	Mode actuator harness connector	IP363a	Air hose sensor harness connector 1 (driver face)
IP93b	Speed control module harness connector	IP364a	Air hose sensor harness connector 2 (driver foot)
IP94c	Evaporator temperature sensor harness connector	IP365a	Air hose sensor harness connector 3 (front passenger face)
IP95	Left temperature actuator harness connector	IP366a	Air hose sensor harness connector 4 (front passenger foot)
IP96	Automatic A/C harness to instrument panel harness connector B	-	-

A/C harness terminal definition

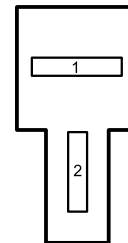
IP89f Automatic A/C harness to instrument panel harness connector A



Pin	Functions	Note
1	Right temperature damper motor negative	-
2	Right temperature damper motor positive	-
3	Mode damper motor negative	-
4	Mode damper motor positive	-
5	Left temperature damper motor negative	-
6	Left temperature damper motor positive	-
7	Internal/external circulation motor negative	-
8	Internal/external circulation motor positive	-
9	Blower feedback negative	-
10	Blower feedback positive	-
11	Blower control signal	-
12	ACC power supply	-
13	Grounding	-
14	AQS control signal	-
15	Ionizer feedback signal	-
16	-	-
17	Actuator 5V power supply	-
18	Actuator grounding	-
19	Right motor temperature feedback	-
20	Mode damper motor mode feedback	-
21	Left motor temperature feedback	-
22	Internal/external circulation motor feedback	-

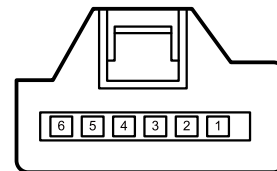
Pin	Functions	Note
23	Air hose sensor grounding	-
24	Evaporator temperature sensor positive	-
25	Right air hose footwell sensor signal	-
26	Left air hose footwell sensor signal	-
27	Right air hose face sensor signal	-
28	Left air hose face sensor signal	-
29	Ionizer control signal	-
30	-	-
31	-	-
32	-	-

IP90 Blower harness connector



Pin	Functions	Note
1	Motor positive	-
2	Motor negative	-

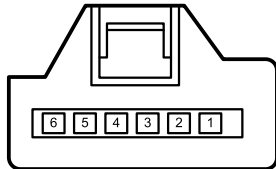
IP91b Internal and external circulation actuator harness connector



Pin	Functions	Note
1	Sensor grounding	-
2	Feedback signal	-
3	5V power supply	-
4	-	-

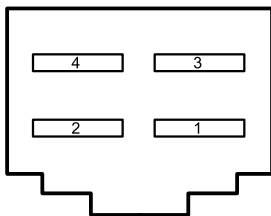
Pin	Functions	Note
5	Motor positive	-
6	Motor negative	-

IP92 Mode actuator harness connector



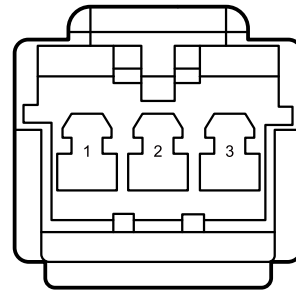
Pin	Functions	Note
1	Sensor grounding	-
2	Feedback signal	-
3	5V power supply	-
4	-	-
5	Motor positive	-
6	Motor negative	-

IP93b Speed control module harness connector



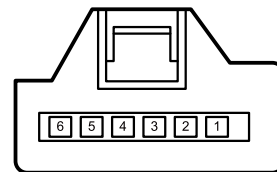
Pin	Functions	Note
1	Control signal	-
2	Speed regulation signal	-
3	Feedback signal	-
4	Grounding	-

IP94c Evaporator temperature sensor harness connector



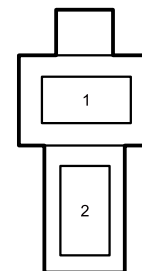
Pin	Functions	Note
1	Sensor signal	-
2	-	-
3	Sensor negative	-

IP95 Left temperature actuator harness connector



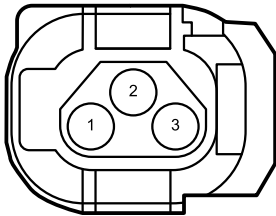
Pin	Functions	Note
1	Sensor grounding	-
2	Feedback signal	-
3	5V power supply	-
4	-	-
5	Motor positive	-
6	Motor negative	-

IP96 Automatic A/C harness to instrument panel harness connector B



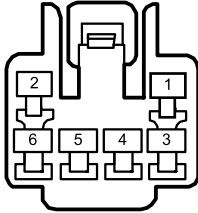
Pin	Functions	Note
1	Blower motor positive	-
2	Grounding	-

IP97 AQS harness connector



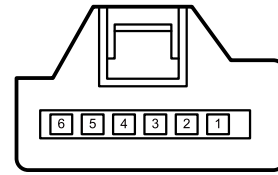
Pin	Functions	Note
1	ACC power supply	-
2	Grounding	-
3	Sensor signal	-

IP98 Ionizer harness connector



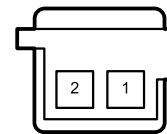
Pin	Functions	Note
1	Grounding	-
2	ACC power supply	-
3	-	-
4	Sensor signal	-
5	Feedback signal	-
6	-	-

IP213d Right temperature actuator harness connector



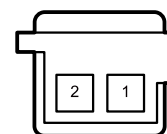
Pin	Functions	Note
1	Actuator grounding	-
2	Feedback signal	-
3	5V power supply	-
4	-	-
5	Motor positive	-
6	Motor negative	-

IP363a Air hose sensor harness connector 1 (driver face)



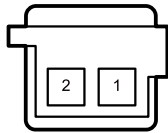
Pin	Functions	Note
1	Sensor positive	-
2	Sensor negative	-

IP364a Air hose sensor harness connector 2 (driver foot)



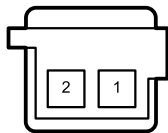
Pin	Functions	Note
1	Sensor positive	-
2	Sensor negative	-

IP365a Air hose sensor harness connector 3 (front passenger face)



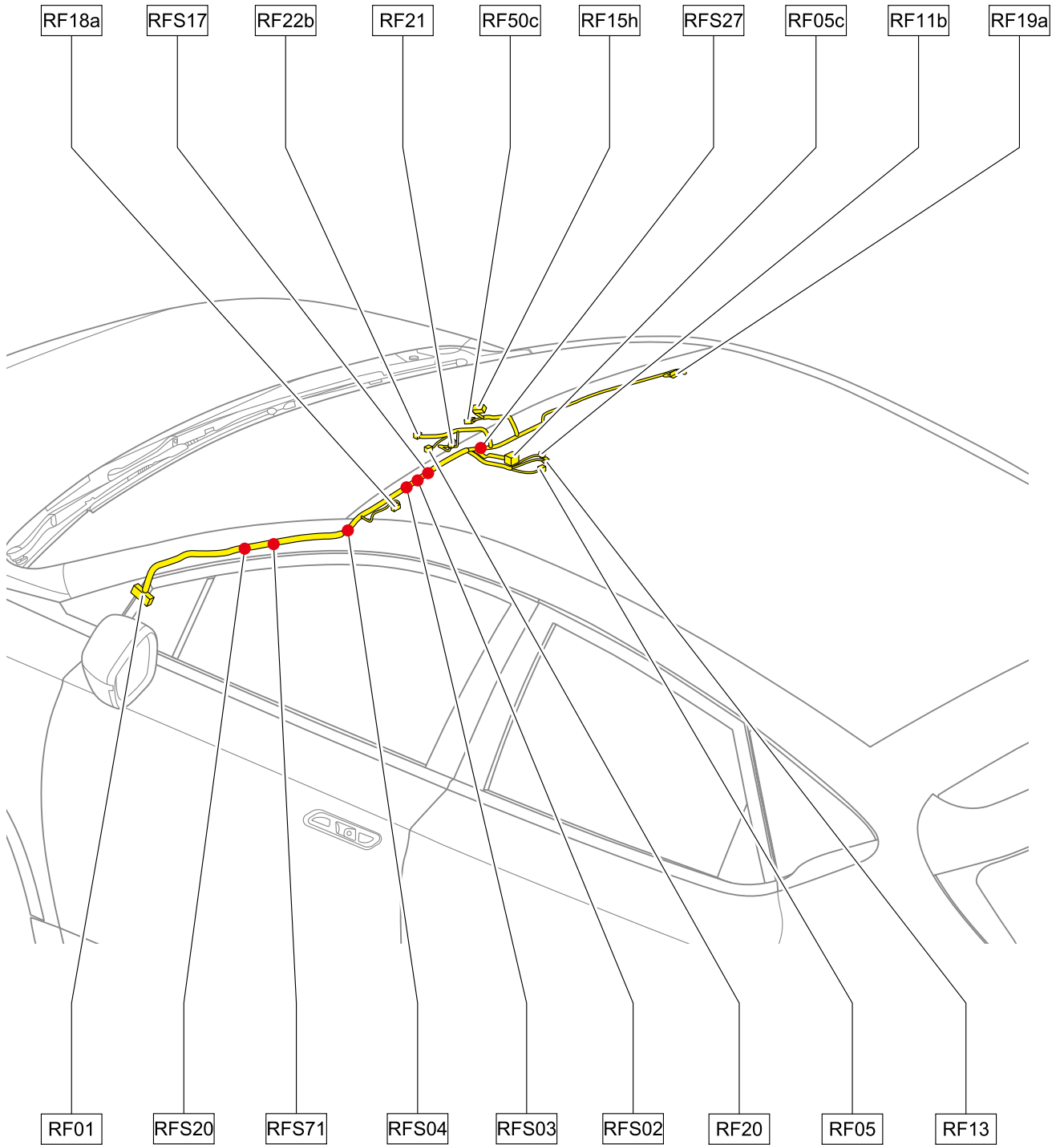
Pin	Functions	Note
1	Sensor positive	-
2	Sensor negative	-

IP366a Air hose sensor harness connector 4 (front passenger foot)



Pin	Functions	Note
1	Sensor positive	-
2	Sensor negative	-

Roof harness layout drawing

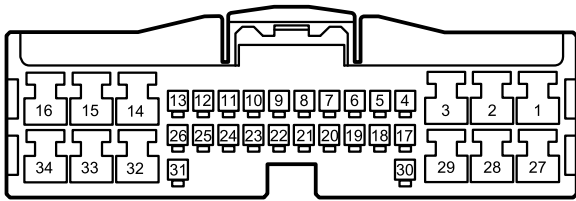


Roof harness connector list

Harness connector	Name	Harness connector	Name
RF01	Roof harness to instrument harness connector	RF18a	Driver side makeup mirror light harness connector
RF05	Front reading light harness connector (for front reading light with sunshade model)	RF19a	Front passenger side makeup mirror light harness connector
RF05c	Front reading light harness connector (for front reading light without sunshade model)	RF20	Rain sensor harness connector
RF11b	E-CALL switch harness connector	RF21	Electronic dimming interior mirror harness connector
RF13	Microphone harness connector	RF22b	Front monocular camera harness connector
RF15h	Dashboard camera harness connector	RF50c	Electronic toll collection system harness connector

Roof harness terminal definition

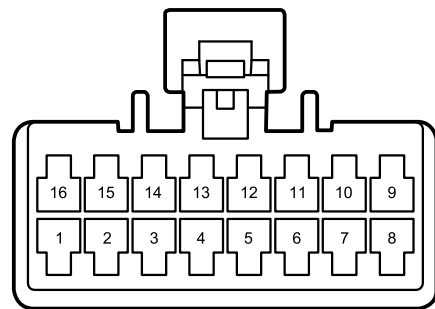
RF01 Roof harness to instrument harness connector



Pin	Functions	Note
28	-	-
29	-	-
30	-	-
31	-	-
32	-	-
33	-	-
34	-	-

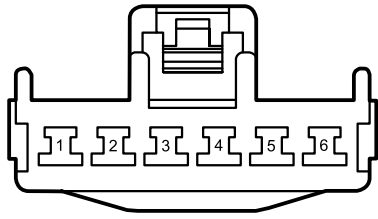
RF05 Front reading light harness connector (for front reading light with sunshade model)

Pin	Functions	Note
1	-	-
2	Door control signal	-
3	LIN Communication	-
4	IG1 power supply	-
5	Reverse light signal	-
6	CS CAN-L1	-
7	CS CAN-H1	-
8	Backlight signal	-
9	Power saving relay	-
10	Sunshade opening	-
11	B+Power supply	-
12	Sunshade closing	-
13	Electronic dimming mirror power supply/dashboard camera power supply	-
14	-	-
15	SOS switch grounding	-
16	SOS switch signal	-
17	Microphone 2 positive	-
18	Microphone 2 negative	-
19	Microphone 1 positive	-
20	Microphone 1 negative	-
21	CS CAN-H2	-
22	CS CAN-L2	-
23	-	-
24	-	-
25	SOS indicator power supply	-
26	SOS indicator light grounding	-
27	Grounding	-



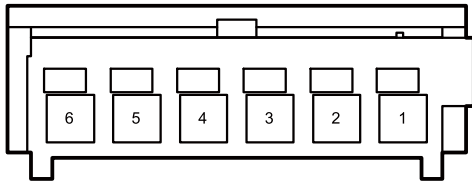
Pin	Functions	Note
1	SOS switch grounding	-
2	-	-
3	Door control signal	-
4	Backlight power supply	-
5	-	-
6	-	-
7	-	-
8	Sunshade closing	-
9	Sunshade opening	-
10	-	-
11	SOS indicator power supply	-
12	SOS indicator light grounding	-
13	-	-
14	SOS switch signal	-
15	Grounding	-
16	Front reading light power supply	-

RF05c Front reading light harness connector (for front reading light without sunshade model)



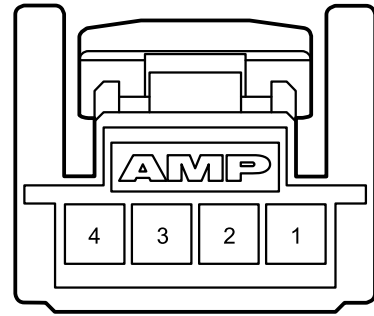
Pin	Functions	Note
1	Backlight power supply	-
2	Front reading light power supply	-
3	Grounding	-
4	Door control signal	-
5	-	-
6	-	-

RF11b E-CALL switch harness connector



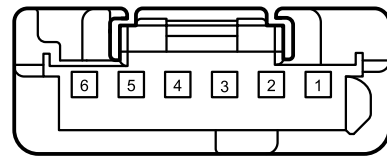
Pin	Functions	Note
1	SOS indicator light grounding	-
2	-	-
3	-	-
4	-	-
5	SOS switch signal	-
6	SOS indicator power supply	-

RF13 Microphone harness connector



Pin	Functions	Note
1	Microphone 1 positive	-
2	Microphone 1 negative	-
3	Microphone 2 positive	-
4	Microphone 2 negative	-

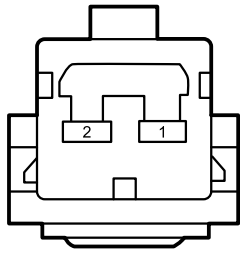
RF15h Dashboard camera harness connector



Pin	Functions	Note
1	-	-
2	-	-
3	-	-
4	ACC power supply	-
5	Grounding	-
6	B+Power supply	-

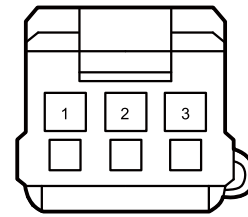
RF18a Driver side make-up mirror light harness connector

RF21 Electronic dimming interior mirror harness connector



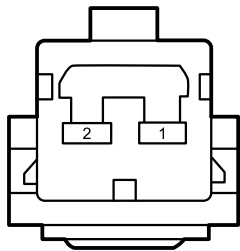
Pin	Functions	Note
1	Grounding	-
2	Power supply	-

RF19a Front passenger side make-up mirror light harness connector



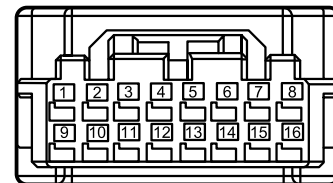
Pin	Functions	Note
1	ACC power supply	-
2	Grounding	-
3	Reverse light signal	-

RF22b Front monocular camera harness connector

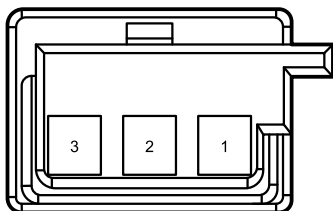


Pin	Functions	Note
1	Grounding	-
2	Power supply	-

RF20 Rain sensor harness connector

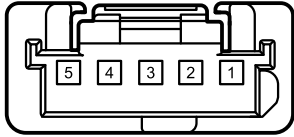


Pin	Functions	Note
1	-	-
2	Grounding	-
3	CS CAN-L	-
4	-	-
5	-	-
6	-	-
7	-	-
8	B+Power supply	-
9	-	-
10	-	-
11	Grounding	-
12	CS CAN-H	-
13	-	-
14	-	-
15	-	-
16	IG1 power supply	-



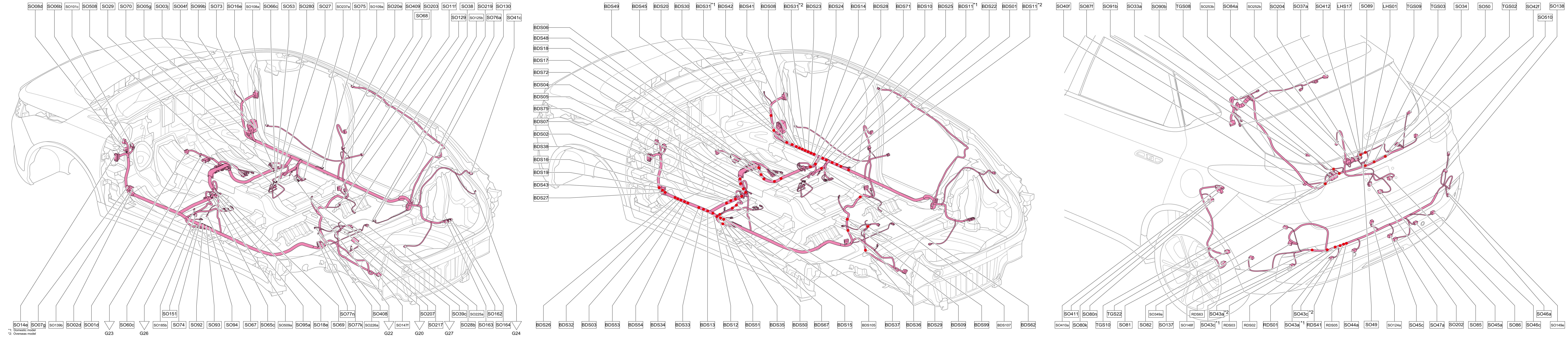
Pin	Functions	Note
1	B+Power supply	-
2	Grounding	-
3	LIN Communication	-

RF50c Electronic toll collection (ETC) system harness connector



Pin	Functions	Note
1	B+Power supply	-
2	IG1 power supply	-
3	Grounding	-
4	-	-
5	-	-

Floor harness layout drawing



Floor harness connector list

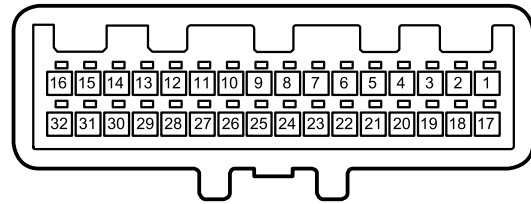
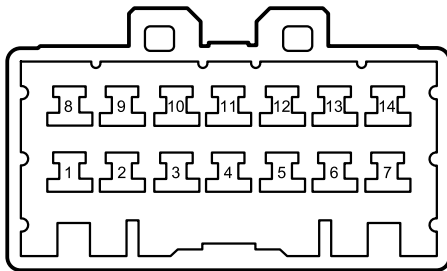
Harness connector	Name	Harness connector	Name
SO01d	Floor harness to instrument panel harness connector 1	SO84a	Right EPB caliper harness to floor harness connector
SO02d	Floor harness to instrument panel harness connector 2	SO85	Right brake caliper motor harness connector
SO03j	Floor harness to instrument panel harness connector 3	SO86	Right rear wheel speed sensor harness connector
SO04f	Floor harness to instrument panel harness connector 4	SO87f	Backdoor branch harness to floor harness connector
SO05g	Floor harness to instrument panel harness connector 5	SO89	Rear wiper motor harness connector
SO06b	Floor harness to engine compartment harness connector 1	SO90b	Backdoor harness to backdoor branch harness connector
SO07g	Floor harness to engine compartment harness connector 2	SO91b	Backdoor branch harness to backdoor harness connector
SO08d	Floor harness to engine compartment harness connector 3	SO92	Seat module harness connector A
SO11f	Floor harness to backdoor branch harness connector	SO93	Seat module harness connector B
SO14e	Floor harness to driver door harness connector	SO94	Seat module harness connector C
SO16e	Floor harness to front passenger door harness connector	SO95a	Floor harness to driver seat harness connector 1
SO18e	Floor harness to left rear door harness connector	SO99b	PM2.5 Sensor harness connector
SO20e	Floor harness to right rear door harness connector	SO101c	Body control module harness connector 7
SO27	Middle antenna harness connector	SO108a	Left curtain airbag harness connector.
SO28b	Rear antenna harness connector	SO109a	Right curtain airbag harness connector.
SO29	Rear-row USB harness connector	SO124a	PEPS sensing coil harness connector
SO33a	Rear defogger harness connector (positive)	SO125b	Rear central seat belt buckle harness connector
SO34	Rear defogger harness connector (negative)	SO129	Left rear seat belt pretensioner harness connector
SO37a	High-mounted brake light harness connector	SO130	Right rear seat belt pretensioner harness connector
SO38	Boot light harness connector	SO137	Left rear blind zone probe harness connector
SO39c	Left rear combination light harness connector A	SO138	Right rear blind zone probe harness connector
SO40f	Left rear combination light harness connector B	SO139b	Floor harness to instrument panel harness connector 6

Harness connector	Name	Harness connector	Name
SO41c	Right rear combination light harness connector A	SO147f	Floor harness to rear bumper harness connector
SO42f	Right rear combination light harness connector B	SO148f	Rear bumper harness to floor harness connector
SO43a	Left rear reversing radar probe harness connector (for automatic parking model)	SO149e	Reversing radar controller harness connector 1
SO43c	Left rear reversing radar probe harness connector (for non-automatic parking model)	SO151	Window anti-pinch module harness connector
SO44a	Left rear middle reversing radar probe harness connector	SO162	Power amplifier harness connector A
SO45a	Right rear middle reversing radar probe harness connector (for automatic parking model)	SO163	Power amplifier harness connector B
SO45c	Right rear middle reversing radar probe harness connector (for non-automatic parking model)	SO164	Power amplifier harness connector C
SO46a	Right rear reversing radar probe harness connector (for automatic parking model)	SO185b	JC21 harness connector
SO46c	Right rear reversing radar probe harness connector (for non-automatic parking model)	SO202	Backdoor lock motor harness connector
SO47a	Rear fog light harness connector	SO203	Sunshade module harness connector
SO49	Left rear license plate light harness connector	SO204	Backdoor micro switch harness connector
SO50	Right rear license plate light harness connector	SO207	Charger controller harness connector
SO53	Front backup power supply harness connector	SO217	Left rear seat belt buckle harness connector
SO60c	Airbag control module harness connector A	SO219	Right rear seat belt buckle harness connector
SO65c	Driver seat airbag harness connector	SO225a	Subwoofer harness connector
SO66c	Front passenger airbag harness connector	SO226a	Rear charging port cover motor harness connector
SO67	Driver seat belt pretensioner harness connector	SO237a	Automatic parking module harness connector 1
SO68	Front passenger seat belt pretensioner harness connector	SO252b	Backdoor harness to license plate light harness connector
SO69	Driver seat belt buckle harness connector 1	SO253b	License plate light harness to backdoor harness connector
SO70	Front passenger seat belt buckle harness connector	SO280	Floor harness to front passenger seat harness connector

Harness connector	Name	Harness connector	Name
SO73	Front passenger side testing switch harness connector	SO349a	blind zone monitoring left controller harness connector
SO74	Left side collision sensor harness connector	SO408	AC charging port lock harness connector
SO75	Right side collision sensor harness connector	SO409	RF receiver module harness connector
SO76a	Floor harness to right EPB caliper harness connector	SO410a	to AC charging socket (e-lock) harness connector
SO77k	Floor harness to left EPB caliper harness connector (domestic)	SO411	to AC charging socket (charging base) harness connector
SO77n	Floor harness to left EPB caliper harness connector (overseas)	SO412	Through-type light harness connector
SO80k	Left EPB caliper harness to floor harness connector (domestic)	SO509a	Driver detection switch harness connector
SO80n	Left EPB caliper harness to floor harness connector (overseas)	SO508	Head unit harness connector
SO81	Left brake caliper motor harness connector	SO510	Blind area monitoring right controller harness connector
SO82	Left rear speed sensor harness connector	-	-

Floor harness terminal definition

SO01d Floor harness to instrument panel harness connector 1



Pin	Functions	Note
1	LIN Communication	-
2	Reversing radar probe signal	-
3	Private CAN-H1	-
4	Charger controller power supply/seat module power supply/sunshade power supply/front passenger seat cushion fan power supply/front passenger seat backrest fan power supply/driver seat cushion fan power supply/driver seat backrest fan power supply	-
5	Private CAN-L1	-
6	B+Power supply	-
7	Central locking signal	-
8	Private CAN-H2	-
9	Private CAN-L2	-
10	Central control unlocking signal (except that at driver side)	-
11	Driver side door lock motor/AC charging port lock motor unlocking signal	Domestic version
11	Driver side door lock motor/rear charging port lock motor unlocking signal	Over-seas Edition
12	IG1 power supply	-
13	Driver frontal airbag negative	-
14	Driver frontal airbag positive	-

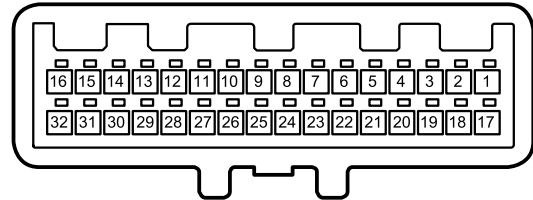
SO02d Floor harness to instrument panel harness connector 2

Pin	Functions	Note
1	Central locking switch status indicator light	-
2	Window locking indicator light	-
3	Cruise control switch grounding	-
4	Left front concealed door handle motor positive	-
5	-	-
6	LIN communication (sunshade module)	-
7	-	-
8	Left front concealed door handle shut-off signal	-
9	Left front concealed door handle upwarp signal	-
10	B+Power supply	-
11	Boot light signal	-
12	Backdoor lock motor unlocking	-
13	Backlight signal	-
14	Left front concealed door handle indicator light signal	-
15	Concealed door handle indicator signal (except that at driver side)	-
16	LIN communication (driver side door window regulator motor/right rear door window regulator motor/left rear door window regulator motor/front passenger side door window regulator motor/glass anti-pinch module)	-
17	-	-
18	-	-
19	Left rear turn signal power supply	-
20	-	-
21	Front antenna - negative	-

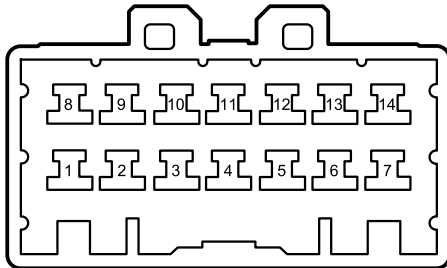
Pin	Functions	Note
22	Front antenna - positive	-
23	-	-
24	Cruise switch signal	-
25	-	-
26	-	-
27	-	-
28	Bake light signal	-
29	CF CAN-H	-
30	CF CAN-L	-
31	-	-
32	Cruise switch setting signal	-

Pin	Functions	Note
13	-	-
14	-	-

SO04f Floor harness to instrument panel harness connector 4



SO03j Floor harness to instrument panel harness connector 3



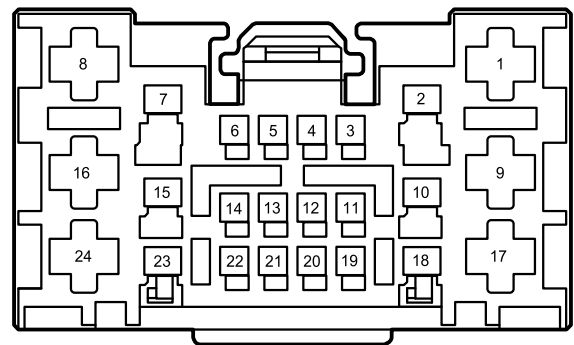
Pin	Functions	Note
1	-	-
2	-	-
3	Rearview mirror folding	-
4	Unfolding of rearview mirrors	-
5	Rear wiper motor positive	-
6	Rear fog light signal	-
7	Reset signal	-
8	Front backup power	-
9	Rear USB power supply	-
10	Front passenger side door window regulator motor/right rear door window regulator motor power supply	Domestic version
10	Front passenger and right rear window power supply	Over-seas Edition
11	Sunshade opening	-
12	Sunshade closing	-

Pin	Functions	Note
1	Loudspeaker positive	-
2	Left rear middle reversing radar probe power supply/Right rear middle reversing radar probe power supply/left rear reversing radar probe power supply/reversing radar controller power supply/PM2.5 sensor power supply	-
3	Front passenger's frontal airbag signal negative	-
4	Front passenger's frontal airbag signal positive	-
5	Right turn signal power supply	-
6	Left rear concealed door handle upwarp signal	-
7	Left rear concealed door handle shut-off signal	-
8	Driver side door woofer positive/left front tweeter positive	-
9	LIN communication (RF receiving module)	-
10	LIN communication (PM2.5 sensor)	-
11	ACC power supply	-
12	Reverse light signal	-
13	Left rear position light signal	-
14	-	-
15	High mount Brake light signal	-
16	-	-

Pin	Functions	Note
17	Front passenger side door woofer positive/right front tweeter positive	-
18	Front passenger side door woofer negative/right front tweeter negative	-
19	-	-
20	-	-
21	B+Power supply	-
22	Impact signal	-
23	Driver side door woofer negative/left front tweeter negative	-
24	Ambient light power supply	-
25	Loudspeaker negative	-
26	Power amplifier ACC signal	-
27	Power amplifier control signal	-
28	Rearview mirror heating power supply	-
29	Right rear position light signal	-
30	HB CAN-H	-
31	HB CAN-L	-
32	RF receiving module power supply/charger controller power supply/right blind zone monitoring controller power supply/left blind zone monitoring controller power supply	-

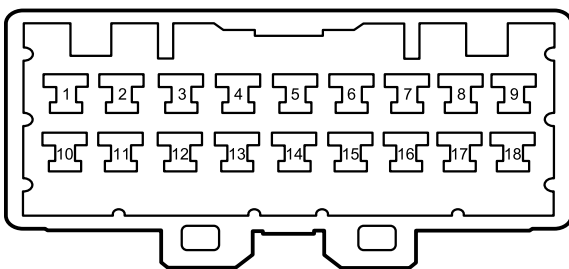
Pin	Functions	Note
6	Left rear loudspeaker signal negative	-
7	Right rear door loudspeaker signal positive	-
8	Right rear door loudspeaker signal negative	-
9	-	-
10	-	-
11	Courtesy signal	-
12	Turn signal light dynamic lighting signal	-
13	Right front concealed door handle shut-off signal	-
14	Right front concealed door handle upwarp signal	-
15	Right rear concealed door handle shut-off signal	-
16	Right rear concealed door handle upwarp signal	-
17	-	-
18	-	-

SO06b Floor harness to engine compartment harness connector 1



Pin	Functions	Note
1	Left brake caliper motor positive	-
2	Right rear wheel speed sensor positive	-
3	Left rear wheel speed sensor negative	-
4	Left rear wheel speed sensor positive	-
5	Right front middle reversing radar probe signal	Domestic version
5	Right front reversing radar probe signal	Over-seas Edition

SO05g Floor harness to instrument panel harness connector 5

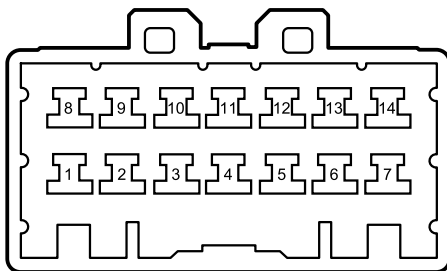


Pin	Functions	Note
1	Right front tweeter positive	-
2	Right front tweeter negative	-
3	Left front tweeter positive	-
4	Left front tweeter negative	-
5	Left rear loudspeaker signal positive	-

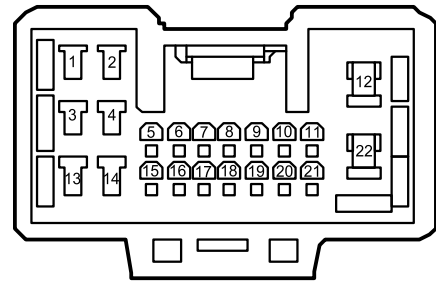
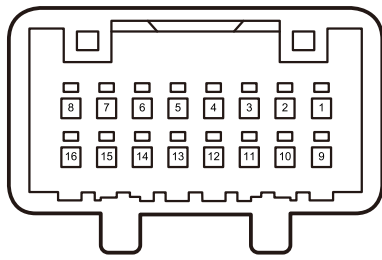
Pin	Functions	Note
6	Front reversing radar probe power supply	-
7	Left front impact sensor negative	-
8	Power amplifier power supply	-
9	Left brake caliper motor negative	-
10	Right rear wheel speed sensor negative	-
11	Left front middle reversing radar probe signal	-
12	Left front blind zone probe signal	-
13	Left front reversing radar probe signal	-
14	Right front reversing radar probe signal	Domestic version
14	Right front middle reversing radar probe signal	Over-seas Edition
15	Left front impact sensor positive	-
16	Right brake caliper motor positive	-
17	Rear defroster positive	-
18	Right front blind zone probe signal	-
19	Front reversing radar probe grounding	-
20	Right front frontal impact sensor positive	-
21	Right front frontal impact sensor negative	-
22	CS CAN-H	-
23	CS CAN-L	-
24	Right brake caliper motor negative	-

Pin	Functions	Note
1	AC charging socket temperature sensor 1 negative	-
2	AC charging socket temperature sensor 1 positive	-
3	AC charging socket temperature sensor 2 positive	-
4	AC charging socket temperature sensor 2 negative	-
5	AC charging confirmation CC signal	-
6	AC charging confirmation CP signal	-
7	AC charging socket lock-up motor positive	Domestic version
7	Power battery control system B + power supply	Over-seas Edition
8	AC charging socket lock-up motor negative	Domestic version
8	Power battery control system B + power supply	Over-seas Edition
9	AC charging socket lock-up motor sensor	Domestic version
9	Fast-charging wake-up signal grounding	Over-seas Edition
10	Driver side door window regulator motor/left rear door window regulator motor power supply	Domestic version
10	Left front and right rear window power supply	Over-seas Edition
11	Front passenger seat adjustment switch B+ power supply	-
12	CF CAN-H	-
13	CF CAN-L	-
14	B+Power supply	-

SO07g Floor harness to engine compartment harness connector 2



SO08d Floor harness to engine compartment harness connector 3

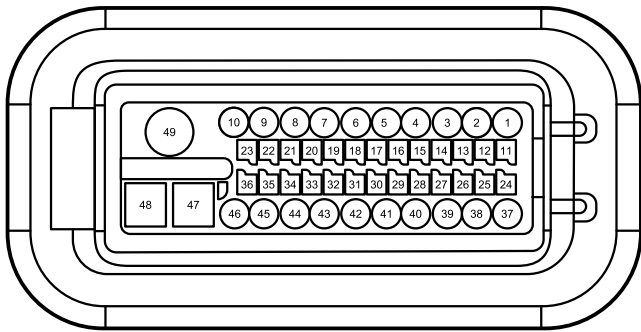


Pin	Functions	Note
1	Fast-charging CAN-H	-
2	Fast-charging CAN-L	-
3	AC charging socket lock-up motor positive	-
4	Quick charging anode temperature sensor signal negative	-
5	Quick charging anode temperature sensor signal positive	-
6	AC charging socket lock-up motor sensor signal positive	-
7	Fast-charging wake-up signal	-
8	Quick charging cathode temperature sensor signal positive	-
9	Quick charging cathode temperature sensor signal negative	-
10	Charging connection confirmation CC2 signal	-
11	Charger wake-up signal	-
12	AC charging socket lock-up motor negative	-
13	AC charging socket lock-up motor sensor signal negative	-
14	-	-
15	HB CAN-H	-
16	HB CAN-L	-

SO11f Floor harness to backdoor branch harness connector

Pin	Functions	Note
1	Reset signal	-
2	Rear wiper motor positive	-
3	Turn signal light power supply	-
4	Backdoor lock motor unlocking	-
5	Left rear position light signal	-
6	Right rear turn signal light power supply	-
7	Reverse light signal	-
8	-	-
9	-	-
10	Right rear position light signal	-
11	-	-
12	Grounding	-
13	Backdoor micro switch positive	-
14	Backdoor courtesy switch signal	-
15	Courtesy signal	-
16	Turn signal light dynamic lighting signal	-
17	High mount Brake light signal	-
18	-	-
19	-	-
20	Turn signal light fault feedback	-
21	-	-
22	Rear defroster positive	-

SO14e Floor harness to driver door harness connector



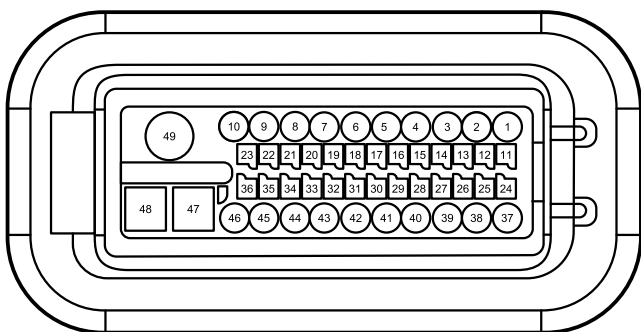
Pin	Functions	Note
1	Driver side door woofer positive	-
2	Driver side door woofer negative	-
3	Rearview mirror heating power supply	-
4	Driver side rearview mirror turn signal light power supply	-
5	Rearview mirror folding	-
6	Left front concealed door handle indicator signal	-
7	Driver side door ambient light power supply	-
8	Left front concealed door handle sensor signal	-
9	Left front concealed door handle upwarp signal	-
10	Left front concealed door handle shut-off signal	-
11	Unfolding of rearview mirrors	-
12	Central unlocking/locking switch signal	-
13	Window locking switch signal	-
14	Driver side door window regulator switch/exterior rearview mirror adjustment switch backlight signal	-
15	Left rear glass regulating signal	-
16	Right rear glass regulating signal	-
17	Front passenger glass regulating signal	-
18	LIN communication (driver side door window regulator motor)	Domestic version
18	Driver side window regulator switch signal output	Over-seas Edition
19	Courtesy switch signal at drive side	-

Pin	Functions	Note
20	Driver door lock motor status signal	-
21	Driver side blind spot monitoring indicator positive	-
22	Memory sensor power supply	Domestic version
22	Driver side glass lift signal output	Over-seas Edition
23	LIN communication (driver side door ambient light)	-
24	Blind spot monitoring indicator signal negative	-
25	Driver side exterior rearview mirror up and down position signal	-
26	Driver side exterior rearview mirror left and right position signal	-
27	Exterior rearview mirror sensor grounding	-
28	Exterior rearview regulating common terminal	Memory
28	Up-down adjustment of exterior rear view mirrors at front passenger side	-
29	Driver side exterior rearview mirror left and right adjustment signal	Memory
29	Front passenger side exterior rearview mirror left and right adjustment	-
30	Driver side exterior rearview mirror up and down adjustment signal	Memory
30	Common terminal for rearview mirror adjustment	-
31	Driver side door window regulator switch grounding	-
32	Driver side exterior rearview mirror left and right adjustment motor	-
33	Central locking switch status indicator light	-
34	Left front concealed door handle motor positive	-
35	Left front concealed door handle motor negative	-
36	Window locking indicator light	-
37	Locking signal	-

Pin	Functions	Note
38	Door motor unlocking signals on the driver side	-
39	Left front door concealed door handle power supply	-
40	Exterior rearview folding switch signal	-
41	Driver side exterior rearview mirror up and down adjustment motor	Domestic version
41	Driver side window glass up signal	Over-seas Edition
42	Driver side exterior rearview mirror motor common terminal	Domestic version
42	Driver side window glass down signal	Over-seas Edition
43	Driver side door handle sensor positive	-
44	Driver side door handle sensor negative	-
45	Front passenger side exterior rearview mirror left and right adjustment signal	-
46	Front passenger side exterior rearview mirror up and down adjustment signal	-
47	Grounding	-
48	Driver side door window regulator motor power supply	-
49	-	-

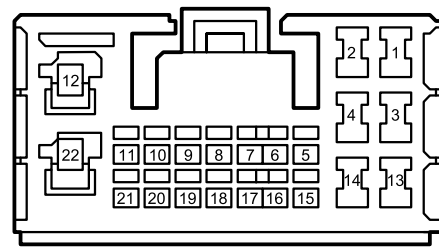
Pin	Functions	Note
1	Front passenger side door woofer positive	-
2	Front passenger side door woofer negative	-
3	Rearview mirror heating power supply	-
4	Front passenger side external rearview mirror turn signal light power supply	-
5	Rearview mirror folding	-
6	Door handle indicator power supply	-
7	Front passenger side door ambient light power supply	-
8	Front passenger side door window regulator switch signal output	-
9	Right front concealed door handle upwarp signal	-
10	Right front concealed door handle shut-off signal	-
11	Unfolding of rearview mirrors	-
12	Front passenger side door window regulator switch signal output	-
13	-	-
14	Front passenger side door window regulator switch backlight signal	-
15	-	-
16	-	-
17	-	-
18	LIN communication (front passenger side door window regulator motor)	-
19	Courtesy switch signal at front passenger side	-
20	Front passenger side door lock status signal	-
21	Front passenger side blind monitoring spot indicator positive	-
22	Memory sensor power supply	-
23	LIN communication (Front passenger side door ambient light)	-
24	Blind spot monitoring indicator signal negative	-
25	Front passenger side exterior rearview mirror up and down position signal	-

SO16e Floor harness to front passenger door harness connector



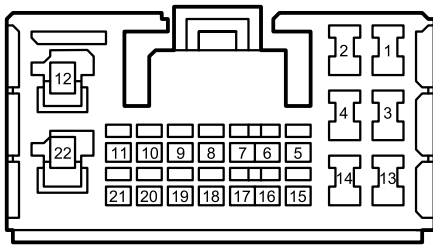
Pin	Functions	Note
26	Front passenger side exterior rearview mirror left and right position signal	-
27	Exterior rearview mirror memory sensor grounding	-
28	Front passenger side exterior rearview up and down adjustment motor	-
29	Front passenger side exterior rearview left and right adjustment motor	-
30	Front passenger side exterior rearview mirror motor common terminal	-
31	-	-
32	-	-
33	-	-
34	Right front concealed door handle motor positive	-
35	Right front concealed door handle motor negative	-
36	-	-
37	Locking signal	-
38	Unlocking signal	-
39	Front passenger side window glass up signal	-
40	Front passenger side window glass down signal	-
41	-	-
42	-	-
43	Front passenger side door handle sensor positive	-
44	Front passenger side door handle sensor negative	-
45	-	-
46	-	-
47	Grounding	-
48	Front passenger side door window regulator motor B+ power supply	-
49	-	-

SO18e Floor harness to left rear door harness connector



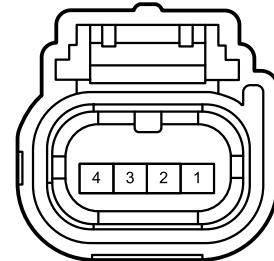
Pin	Functions	Note
1	Locking signal	-
2	Unlocking signal	-
3	Left rear door window up signal	-
4	Left rear door window down signal	-
5	Left rear concealed door handle motor positive	-
6	Door handle indicator power supply	-
7	-	-
8	Left rear door window regulator switch signal output	-
9	Left rear concealed door handle upwarp signal	-
10	Left rear concealed door handle shut-off signal	-
11	Left rear concealed door handle motor negative	-
12	B+Power supply	-
13	Left rear loudspeaker negative	-
14	Left rear loudspeaker positive	-
15	LIN Communication	-
16	Left rear door window regulator switch backlight signal	-
17	Left rear door control switch signal	-
18	Left rear door lock status signal	-
19	Left rear door window regulator switch signal output	-
20	-	-
21	-	-
22	Grounding	-

SO20e Floor harness to right rear door harness connector



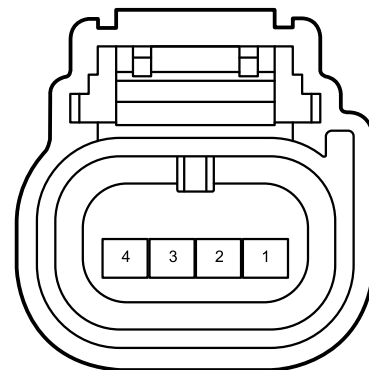
Pin	Functions	Note
21	-	-
22	Grounding	-

SO27 Middle antenna harness connector



Pin	Functions	Note
1	Antenna positive	-
2	Antenna negative	-
3	-	-
4	-	-

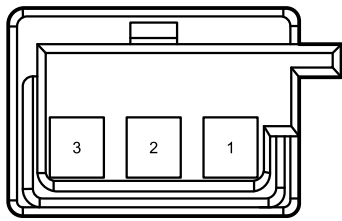
SO28b Rear antenna harness connector



Pin	Functions	Note
1	Antenna positive	-
2	Antenna negative	-
3	-	-
4	-	-

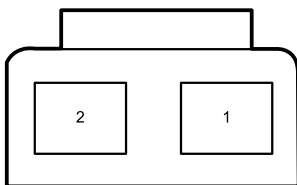
SO29 Rear-row USB harness connector

Pin	Functions	Note
1	Locking signal	-
2	Unlocking signal	-
3	Right rear door loudspeaker signal positive	-
4	Right rear door loudspeaker signal negative	-
5	Right rear concealed door handle motor positive	-
6	Door handle indicator power supply	-
7	-	-
8	Right rear door window regulator switch signal output	-
9	Right rear concealed door handle upwarp signal	-
10	Right rear concealed door handle shut-off signal	-
11	Right rear concealed door handle motor negative	-
12	B+Power supply	-
13	LIN Communication	Domestic version
13	Right rear door window up signal	Over-seas Edition
14	Rear right door window down signal	-
15	Right rear door window regulator switch signal output	-
16	Right rear door window regulator switch backlight signal	-
17	Right rear door control switch signal	-
18	Rear right door lock status signal	-
19	-	-
20	-	-



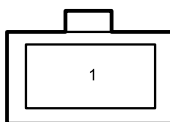
Pin	Functions	Note
1	Grounding	-
2	-	-
3	ACC power supply	-

SO33a rear defogger harness connector (positive)



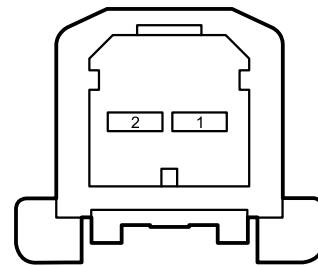
Pin	Functions	Note
1	Rear defroster positive	-
2	Rear defroster negative	-

SO34 rear defogger harness connector (negative)



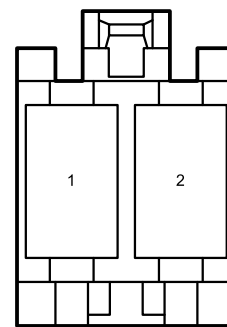
Pin	Functions	Note
1	Heating wire grounding	-

SO37a High-mount Brake light harness connector



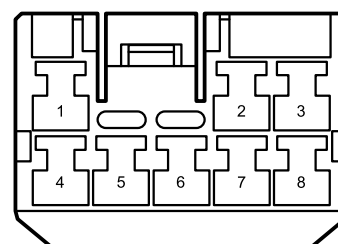
Pin	Functions	Note
1	Grounding	-
2	Power supply	-

SO38 Boot light harness connector



Pin	Functions	Note
1	Power supply	-
2	Grounding	-

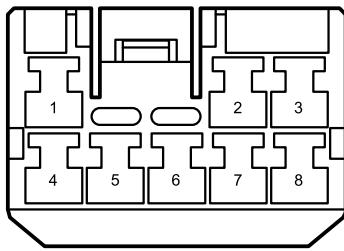
SO39c Left rear combination light harness connector A



Pin	Functions	Note
1	Grounding	-
2	Brake to low light enable signal	-
3	Turn signal light dynamic lighting signal	-
4	Position light power supply (body side)	-

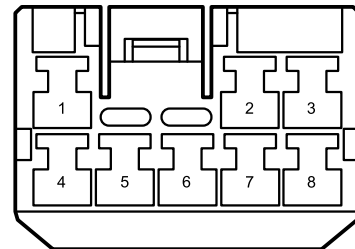
Pin	Functions	Note
5	Brake light power supply (body side)	-
6	Turn signal light power supply (body side)	-
7	Turn signal light fault feedback (body side)	-
8	Courtesy signal	-

SO40f Left rear combination light harness connector B



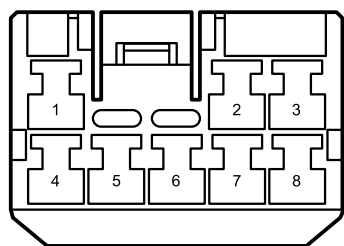
Pin	Functions	Note
1	Grounding	-
2	Brake to low light enable signal	-
3	Turn signal light dynamic lighting signal	-
4	Position light power supply (body side)	-
5	Brake light power supply (body side)	-
6	Turn signal light power supply (body side)	-
7	Turn signal light fault feedback (body side)	-
8	Courtesy signal	-

SO42f Rear right light harness connector B



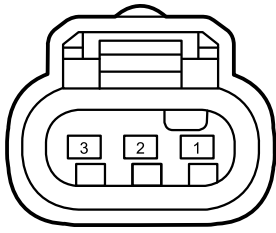
Pin	Functions	Note
1	Grounding	-
2	-	-
3	Turn signal light dynamic lighting signal	-
4	Power supply of position light (backdoor side)	-
5	Reverse light power supply (backdoor side)	-
6	Turn signal light power supply (backdoor side)	-
7	Turn signal light fault feedback (backdoor side)	-
8	Courtesy signal	-

SO41c Right rear combination light harness connector A



Pin	Functions	Note
1	Grounding	-
2	-	-
3	Turn signal light dynamic lighting signal	-
4	Power supply of position light (backdoor side)	-
5	Reverse light power supply (backdoor side)	-
6	Turn signal light power supply (backdoor side)	-
7	Turn signal light fault feedback (backdoor side)	-
8	Courtesy signal	-

SO43a left rear reversing radar probe harness connector (for automatic parking model)

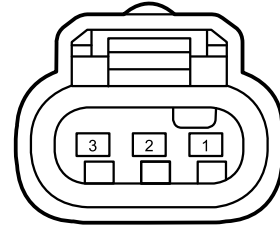


Pin	Functions	Note
1	Power supply	-
2	Signal	-
3	Grounding	-

SO45a Right rear middle reversing radar probe harness connector (for automatic parking model)

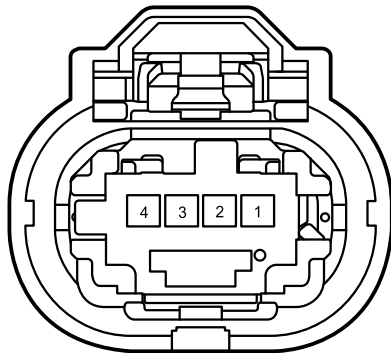
Pin	Functions	Note
1	Power supply	-
2	Signal	-
3	Grounding	-

SO43c Left rear reversing radar probe harness connector (for non-automatic parking model)



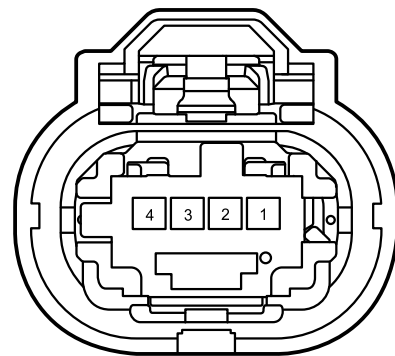
Pin	Functions	Note
1	Power supply	-
2	Signal	-
3	Grounding	-

SO45c Right rear middle reversing radar probe harness connector (for non-automatic parking model)



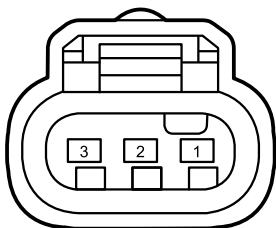
Pin	Functions	Note
1	Grounding	-
2	left rear reversing radar probe ID	-
3	LIN Communication	-
4	Power supply	-

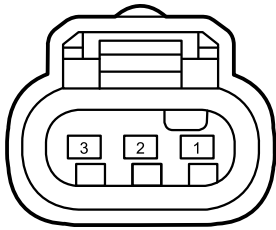
SO44a Left middle reversing radar probe harness connector



Pin	Functions	Note
1	Grounding	-
2	Right rear middle reversing radar probe ID	-
3	LIN Communication	-
4	Power supply	-

SO46a Right rear reversing radar probe harness connector (for automatic parking model)



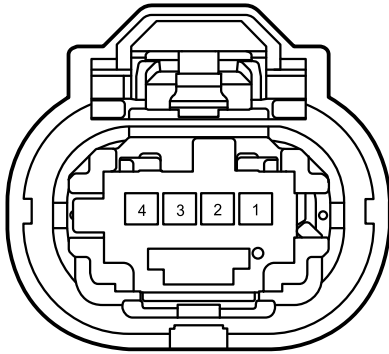


Pin	Functions	Note
1	Grounding	-
2	Power supply	-

SO49 Left rear license plate light harness connector

Pin	Functions	Note
1	Power supply	-
2	Signal	-
3	Grounding	-

SO46c Right rear reversing radar probe harness connector (for non-automatic parking model)

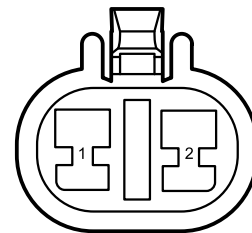


Pin	Functions	Note
1	Grounding	-
2	Power supply	-

SO50 Rear right license plate light harness connector

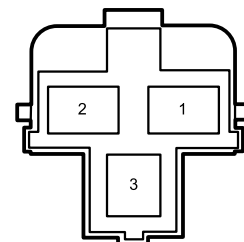
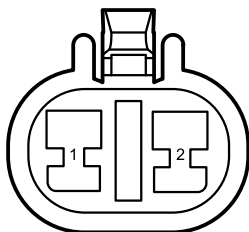
Pin	Functions	Note
1	Grounding	-
2	-	-
3	LIN Communication	-
4	Power supply	-

So47a Rear fog light harness connector



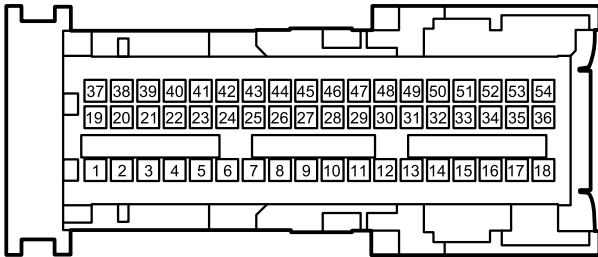
Pin	Functions	Note
1	Grounding	-
2	Power supply	-

SO53 Front emergency power supply harness connector



Pin	Functions	Note
1	ACC power supply	-
2	-	-
3	Grounding	-

SO60c Airbag control module harness connector A

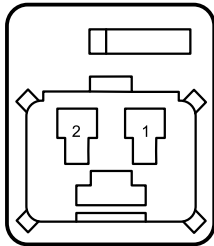
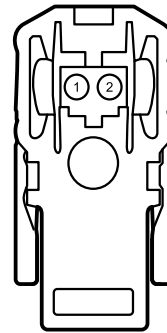


Pin	Functions	Note
19	Driver seat belt pretensioner signal positive	-
20	Left curtain airbag signal positive	-
21	Left curtain airbag signal negative	-
22	Driver side airbag signal negative	-
23	Driver side airbag signal positive	-
24	Rear central seat belt buckle switch signal positive	-
25	Left rear seat belt buckle switch signal positive	-
26	-	-
27	Right rear seat belt buckle switch signal positive	-
28	-	-
29	-	-
30	Right side impact sensor positive	-
31	Right side impact sensor negative	-
32	Left side impact sensor negative	-
33	Left side impact sensor positive	-
34	Front passenger's frontal airbag signal positive	-
35	Front passenger seat belt pretensioner signal negative	-
36	IG1 power supply	-
37	-	-
38	-	-
39	Left rear seat belt pretensioner signal negative	-
40	Left rear seat belt pretensioner signal positive	-
41	Right rear seat belt pretensioner signal positive	-
42	Right rear seat belt pretensioner signal negative	-
43	-	-
44	-	-
45	-	-
46	-	-
47	-	-
48	-	-
49	-	-

Pin	Functions	Note
1	Driver seat belt pretensioner signal negative	-
2	CS CAN-H	-
3	CS CAN-L	-
4	Driver frontal airbag signal positive	-
5	Driver frontal airbag signal negative	-
6	Front passenger detection switch signal positive	-
7	-	-
8	Front passenger seat belt buckle switch signal positive	-
9	Driver seat belt buckle switch signal positive	-
10	Collision signal output	-
11	seat belt buckle/front passenger detection switch signal negative	-
12	Left front impact sensor positive	-
13	Left front impact sensor negative	-
14	Right front frontal impact sensor negative	-
15	Right front frontal impact sensor positive	-
16	Front passenger frontal airbag signal negative	-
17	Front passenger seat belt pretensioner signal negative	-
18	Grounding	-

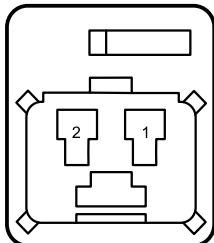
Pin	Functions	Note
50	-	-
51	Front passenger side airbag negative	-
52	Front passenger side airbag positive	-
53	Right curtain airbag signal positive	-
54	Right curtain airbag signal negative	-

SO65c Driver side airbag harness connector



Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

SO66c Front passenger side airbag harness connector

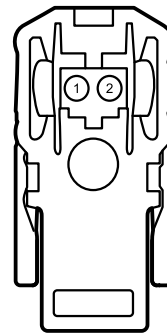


Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

SO67 Driver seat belt pretensioner harness connector

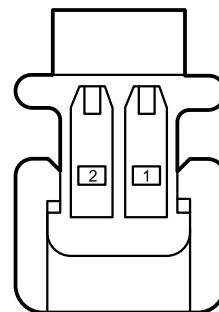
Pin	Functions	Note
1	Driver seat belt pretensioner signal positive	-
2	Driver seat belt pretensioner signal negative	-

SO68 Front passenger seat belt pretensioner harness connector



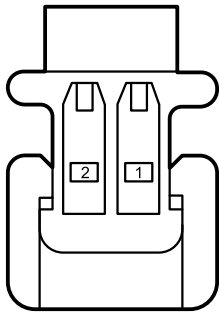
Pin	Functions	Note
1	Front passenger seat belt pretensioner signal negative	-
2	Front passenger seat belt pretensioner signal negative	-

SO69 Driver seat belt buckle harness connector 1



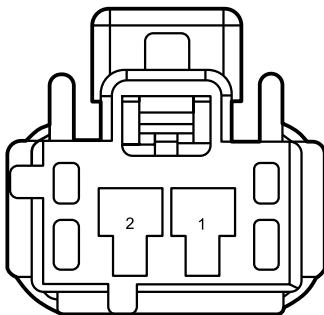
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

SO70 Front passenger seat belt buckle harness connector



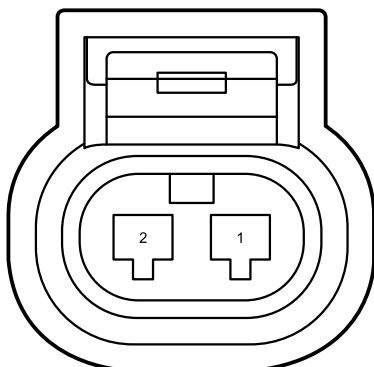
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

SO73 Front passenger detection switch harness connector



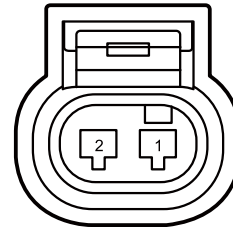
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

SO74 Left impact sensor harness connector



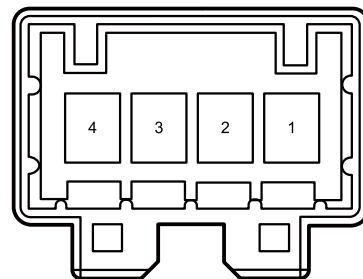
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

SO75 Right impact sensor harness connector



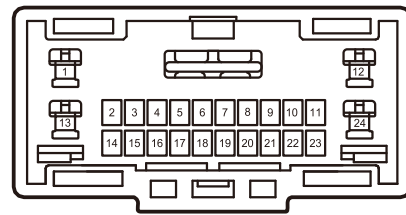
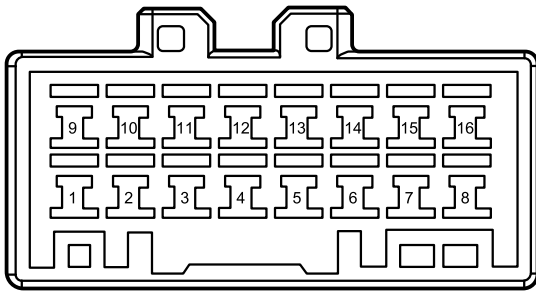
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

SO76a Floor harness to right EPB caliper harness connector



Pin	Functions	Note
1	Right brake caliper motor negative	-
2	Right rear wheel speed sensor positive	-
3	Right rear wheel speed sensor negative	-
4	Right brake caliper motor positive	-

SO77k Floor harness to left EPB caliper harness connector (domestic)



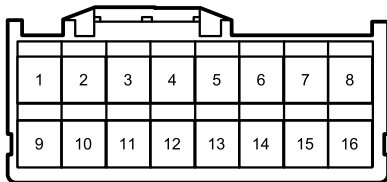
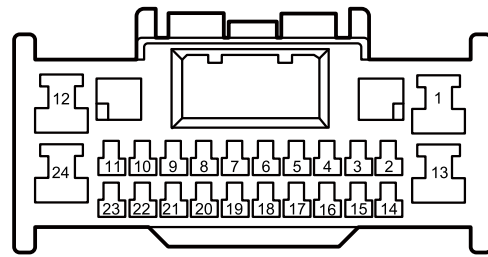
Pin	Functions	Note
1	Left brake caliper motor negative	-
2	Left rear wheel speed sensor positive	-
3	Left rear wheel speed sensor negative	-
4	Left brake caliper motor positive	-
5	AC charging socket lock-up motor positive	-
6	AC charging socket lock-up motor negative	-
7	AC charging socket lock-up motor sensor	-
8	AC charging socket temperature sensor 2 positive	-
9	AC charging confirmation CC signal	-
10	AC charging confirmation CP signal	-
11	AC charging socket temperature sensor 1 positive	-
12	AC charging socket temperature sensor 1 negative	-
13	AC charging socket temperature sensor 2 negative	-
14	-	-
15	-	-
16	-	-

SO77n Floor harness to left EPB caliper harness connector (overseas)

Pin	Functions	Note
1	-	-
2	Left rear wheel speed sensor positive	-
3	Charging socket CP signal	-
4	AC charging socket lock-up motor sensor signal positive	-
5	AC charging socket lock-up motor positive	-
6	AC charging socket temperature sensor 2 positive	-
7	AC charging socket temperature sensor 1 positive	-
8	-	-
9	-	-
10	Quick charging cathode temperature sensor signal positive	-
11	Quick charging anode temperature sensor signal positive	-
12	Left brake caliper motor negative	-
13	-	-
14	Left rear wheel speed sensor negative	-
15	Charging socket PP signal	-
16	AC charging socket lock-up motor sensor signal negative	-
17	AC charging socket lock-up motor negative	-
18	AC charging socket temperature sensor 2 negative	-
19	AC charging socket temperature sensor 1 negative	-
20	-	-
21	-	-
22	Quick charging cathode temperature sensor signal negative	-

Pin	Functions	Note
23	Quick charging anode temperature sensor signal negative	-
24	Left brake caliper motor positive	-

SO80k Left EPB caliper harness to floor harness connector (domestic)



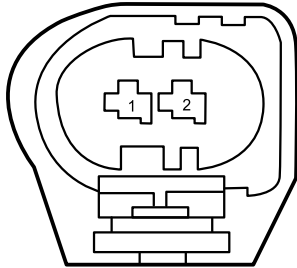
Pin	Functions	Note
1	Left brake caliper motor negative	-
2	Left rear wheel speed sensor positive	-
3	Left rear wheel speed sensor negative	-
4	Left brake caliper motor positive	-
5	AC charging socket lock-up motor positive	-
6	AC charging socket lock-up motor negative	-
7	AC charging socket lock-up motor sensor	-
8	AC charging socket temperature sensor 2 positive	-
9	AC charging confirmation CC signal	-
10	AC charging confirmation CP signal	-
11	AC charging socket temperature sensor 1 positive	-
12	AC charging socket temperature sensor 1 negative	-
13	AC charging socket temperature sensor 2 negative	-
14	-	-
15	-	-
16	-	-

SO80n Left EPB caliper harness to floor harness connector (overseas)

Pin	Functions	Note
1	-	-
2	Left rear wheel speed sensor positive	-
3	Charging socket CP signal	-
4	AC charging socket lock-up motor sensor signal positive	-
5	AC charging socket lock-up motor positive	-
6	AC charging socket temperature sensor 2 positive	-
7	AC charging socket temperature sensor 1 positive	-
8	-	-
9	-	-
10	Quick charging cathode temperature sensor signal positive	-
11	Quick charging anode temperature sensor signal positive	-
12	Left brake caliper motor negative	-
13	-	-
14	Left rear wheel speed sensor negative	-
15	Charging socket PP signal	-
16	AC charging socket lock-up motor sensor signal negative	-
17	AC charging socket lock-up motor negative	-
18	AC charging socket temperature sensor 2 negative	-
19	AC charging socket temperature sensor 1 negative	-
20	-	-
21	-	-
22	Quick charging cathode temperature sensor signal negative	-

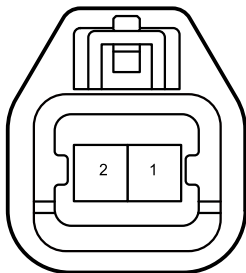
Pin	Functions	Note
23	Quick charging anode temperature sensor signal negative	-
24	Left brake caliper motor positive	-

SO81 Left brake caliper motor harness connector



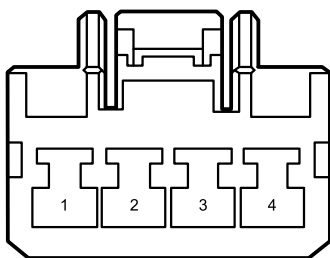
Pin	Functions	Note
1	Motor negative	-
2	Motor positive	-

SO82 Left rear speed sensor harness connector



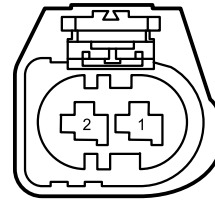
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

SO84a Right EPB caliper harness to floor harness connector



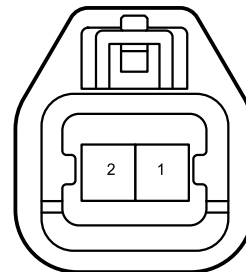
Pin	Functions	Note
1	Right brake caliper motor negative	-
2	Right rear wheel speed sensor positive	-
3	Right rear wheel speed sensor negative	-
4	Right brake caliper motor positive	-

SO85 Right brake caliper motor harness connector



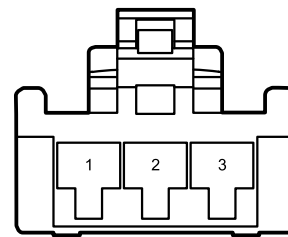
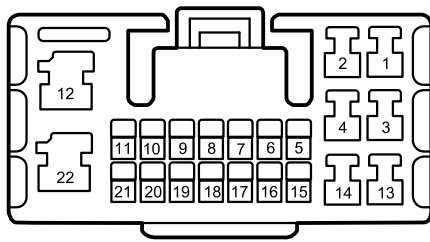
Pin	Functions	Note
1	Motor negative	-
2	Motor positive	-

SO86 Right rear speed sensor harness connector



Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

SO87f Backdoor branch harness to floor harness connector

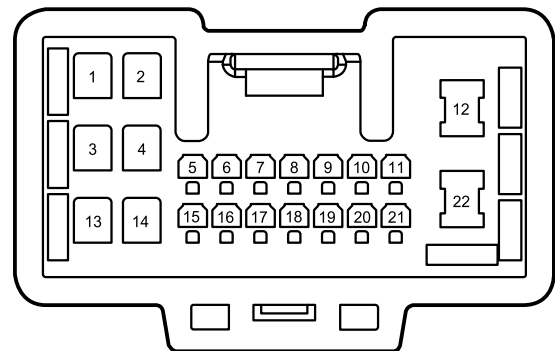


Pin	Functions	Note
1	Reset signal	-
2	Rear wiper motor positive	-
3	Left rear turn signal power supply	-
4	Backdoor lock motor unlocking	-
5	Left rear position light signal	-
6	Left rear turn signal power supply	-
7	Reverse light signal	-
8	-	-
9	-	-
10	Right rear position light signal	-
11	-	-
12	Grounding	-
13	Backdoor micro switch positive	-
14	Backdoor courtesy switch signal	-
15	Courtesy signal	-
16	Turn signal light dynamic lighting signal	-
17	High mount brake light signal	-
18	-	-
19	-	-
20	Turn signal light fault feedback	-
21	-	-
22	Rear defroster positive	-

SO89 Rear wiper motor harness connector

Pin	Functions	Note
1	Reset signal	-
2	Motor positive	-
3	Motor negative	-

SO90b Backdoor harness to backdoor branch harness connector

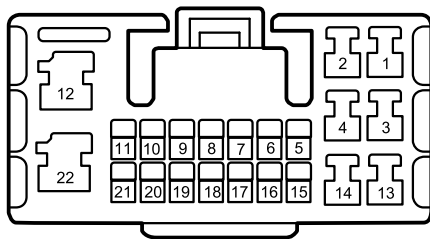


Pin	Functions	Note
1	Reset signal	-
2	Rear wiper motor positive	-
3	Left rear position light signal	-
4	Grounding	-
5	Right rear backdoor lock motor unlocking	-
6	Left rear turn signal power supply	-
7	Right rear reversing light signal	-
8	-	-
9	-	-
10	Right rear position light signal	-
11	Right rear turn signal light fault feedback	-
12	Grounding	-
13	Backdoor micro switch positive	-
14	Backdoor courtesy switch signal	-

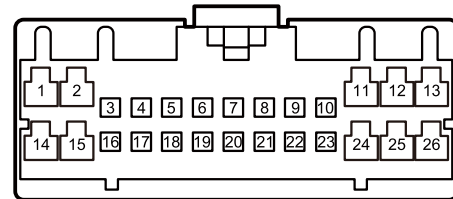
Pin	Functions	Note
15	Courtesy signal	-
16	Right rear turn signal light dynamic lighting signal	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	Rear defroster positive	-

Pin	Functions	Note
18	-	-
19	-	-
20	-	-
21	-	-
22	Rear defroster positive	-

SO91b Backdoor branch harness to backdoor harness connector



SO92 Seat module harness connector A



Pin	Functions	Note
1	Reset signal	-
2	Rear wiper motor positive	-
3	Left rear position light signal	-
4	Grounding	-
5	Backdoor lock motor unlocking	-
6	Left rear turn signal power supply	-
7	Right rear reversing light signal	-
8	-	-
9	-	-
10	Right rear position light signal	-
11	Right rear turn signal light fault feedback	-
12	Grounding	-
13	Backdoor micro switch positive	-
14	Backdoor courtesy switch signal	-
15	Courtesy signal	-
16	Right rear turn signal light dynamic lighting signal	-
17	-	-

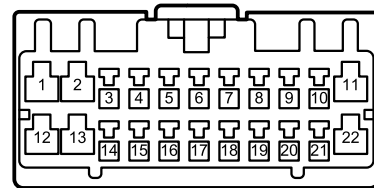
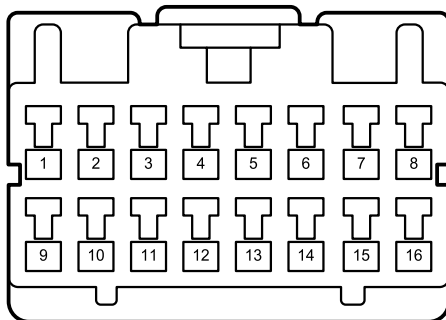
Pin	Functions	Note
1	Driver seat up/down motor/angle adjuster motor common terminal	-
2	Backrest adjustment power supply	-
3	-	-
4	-	-
5	-	-
6	Driver seat angle adjuster motor Hall sensor signal	-
7	-	-
8	Driver seat up/down motor Hall sensor signal	-
9	Driver seat sliding chute motor Hall sensor signal	-
10	IG1 power supply	-
11	Driver seat lifting adjustment signal	-
12	Driver seat level adjustment signal	-
13	-	-
14	Driver seat backrest adjustment signal	-
15	Grounding	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-

Pin	Functions	Note
21	Hall sensor grounding	-
22	-	-
23	-	-
24	Grounding	-
25	Seat level/lifting adjustment power supply	-
26	Driver seat sliding chute motor common terminal	-

Pin	Functions	Note
14	Front passenger side exterior rearview left and right adjustment motor	-
15	Front passenger side exterior rearview mirror motor common terminal	-
16	Exterior rearview mirror sensor grounding	-

SO94 Seat module harness connector C

SO93 Seat module harness connector B



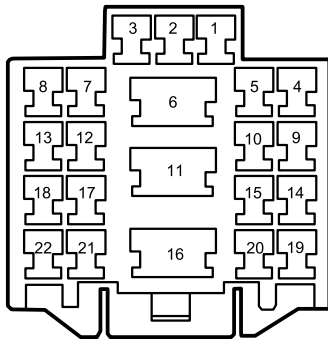
Pin	Functions	Note
1	CF CAN-L	-
2	CF CAN-H	-
3	Driver side exterior rearview mirror up and down position signal	-
4	Front passenger side exterior rearview mirror left and right position signal	-
5	Driver side exterior rearview mirror up and down adjustment motor	-
6	Front passenger side exterior rearview up and down adjustment motor	-
7	Driver side exterior rearview mirror left and right adjustment motor	-
8	Exterior rearview mirror sensor 5V power supply	-
9	-	-
10	-	-
11	Driver side exterior rearview mirror left and right position signal	-
12	Front passenger side exterior rearview mirror up and down position signal	-
13	Driver side exterior rearview mirror motor common terminal	-

Pin	Functions	Note
1	Driver's seat heater power supply	-
2	Front passenger seat heater power supply	-
3	Driver seat fan PWM control signal	-
4	Driver's seat heater sensor positive	-
5	Front passenger seat heater sensor positive	-
6	Front passenger side exterior rearview mirror up and down adjustment signal	-
7	Driver seat up/down motor adjustment switch signal	-
8	Driver seat sliding chute motor adjustment switch signal	-
9	Driver seat angle adjuster motor adjustment switch signal	-
10	-	-
11	Driver seat adjustment switch/heating sensor grounding	-
12	Seat heating power supply	-
13	Front passenger seat fan PWM control signal	-
14	Exterior rearview regulating common terminal	-

Pin	Functions	Note
15	Driver side exterior rearview mirror left and right adjustment signal	-
16	-	-
17	-	-
18	-	-
19	-	-
20	Front passenger side exterior rearview mirror left and right adjustment signal	-
21	Driver side exterior rearview mirror up and down adjustment signal	-
22	Grounding	-

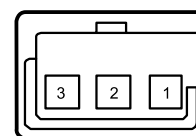
Pin	Functions	Note
9	Driver seat heating module power supply	-
9	Driver seat sliding chute motor Hall sensor signal	Memory
10	Driver seat heating module/Driver seat heating grounding	-
10	Driver seat level adjustment signal	Memory
11	Driver seat up/down motor/angle adjuster motor common terminal	Memory
12	Driver seat lifting adjustment signal	Memory
13	Front passenger seat cushion heating power supply	-
13	Driver seat up/down motor Hall sensor signal	Memory
14	Driver seat angle adjuster motor Hall sensor signal	Memory
15	Front passenger seat cushion heating sensor positive	-
15	Driver seat backrest adjustment signal	Memory
16	Driver seat sliding chute motor common terminal	Memory
17	Front passenger seat cushion heating sensor negative	-
17	Driver seat fan grounding	Memory
18	Driver seat fan PWM control signal	-
19	Driver seat angle adjuster motor adjustment switch signal	Memory
20	-	-
21	-	-
22	Hall sensor grounding	Memory

SO95a Floor harness to driver seat harness connector 1



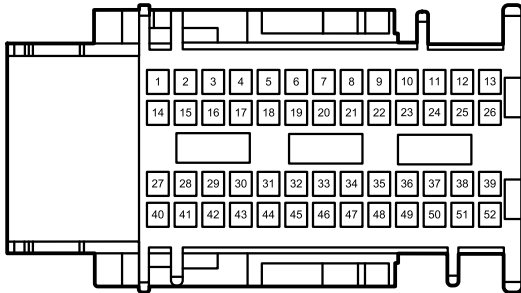
Pin	Functions	Note
1	Driver seat adjustment switch grounding	-
1	Driver's seat heater power supply	Memory
2	Driver seat heating grounding	Memory
3	Driver's seat heater sensor positive	Memory
4	Driver seat adjustment switch power supply	-
4	Driver seat sliding chute motor adjustment switch signal	Memory
5	Driver seat adjustment switch/driver seat heating sensor grounding	Memory
6	-	-
7	CF CAN-H	-
7	Driver seat fan power supply	Memory
8	CF CAN-L	-
8	Driver seat up/down motor adjustment switch signal	Memory

SO99b PM2.5 sensor harness connector



Pin	Functions	Note
1	LIN Communication	-
2	Grounding	-
3	IG1 power supply	-

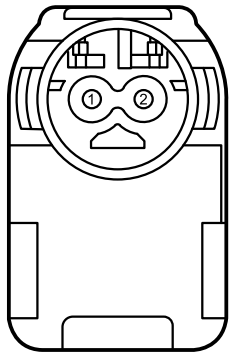
SO101c Body control module harness connector 7



Pin	Functions	Note
1	-	-
2	-	-
3	-	-
4	Exterior rearview folding switch signal	-
5	-	-
6	Backdoor courtesy switch signal	-
7	Turn signal light fault feedback (tail light at body side)	-
8	-	-
9	Door lock state switch (except that at driver side)	-
10	-	-
11	Middle antenna negative	-
12	PEPS sensing coil negative	-
13	Front passenger side door handle sensor negative	-
14	Front passenger glass regulating signal	-
15	Right rear glass regulating signal	-
16	-	-
17	-	-
18	-	-
19	Right rear door control switch signal	-
20	Driver door lock motor status signal	-
21	Turn signal light fault feedback (backdoor side combination light)	-

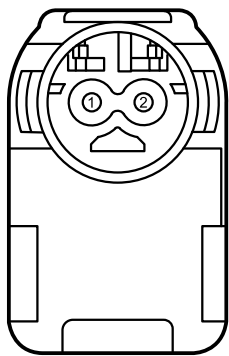
Pin	Functions	Note
22	Left rear door control switch signal	-
23	-	-
24	Middle antenna positive	-
25	PEPS sensing coil positive	-
26	Front passenger side door handle sensor positive	-
27	Driver detection switch signal	-
28	Cruise switch setting signal	-
29	Backdoor micro switch signal	-
30	Central unlocking/locking switch signal	-
31	Switch common grounding	-
32	-	-
33	-	-
34	Left rear glass regulating signal	-
35	Courtesy switch signal at drive side	-
36	Window locking switch signal	-
37	Rear bumper low-frequency antenna positive	-
38	Driver side door handle sensor positive	-
39	-	-
40	-	-
41	-	-
42	Cruise switch signal	-
43	Left front concealed door handle sensor signal	-
44	-	-
45	-	-
46	-	-
47	Courtesy switch signal at front passenger side	-
48	-	-
49	-	-
50	Rear bumper low-frequency antenna negative	-
51	Driver side door handle sensor negative	-
52	-	-

SO108a Left curtain airbag harness connector



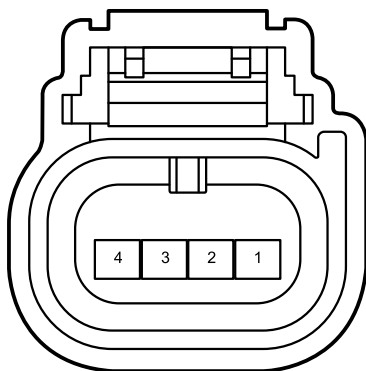
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

SO109a Right curtain airbag harness connector



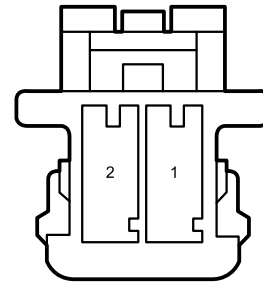
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

SO124a PEPS sensing coil harness connector



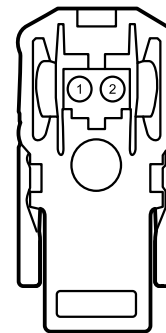
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-
3	-	-
4	-	-

SO125b Rear central seat belt buckle harness connector



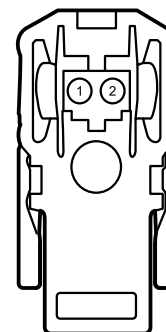
Pin	Functions	Note
1	Rear central seat belt buckle switch signal positive	-
2	Rear central seat belt buckle switch signal negative	-

SO129 Left rear seat belt pretensioner harness connector



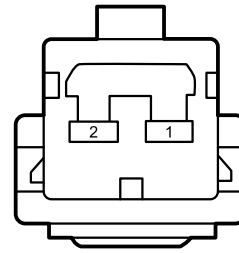
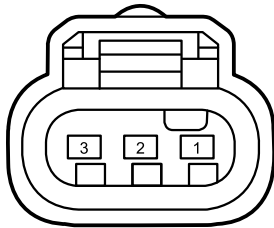
Pin	Functions	Note
1	Left rear seat belt pretensioner signal positive	-
2	Left rear seat belt pretensioner signal negative	-

SO130 Right rear seat belt pretensioner harness connector



Pin	Functions	Note
1	Right rear seat belt pretensioner signal positive	-
2	Right rear seat belt pretensioner signal negative	-

SO137 Left right blind zone probe harness connector

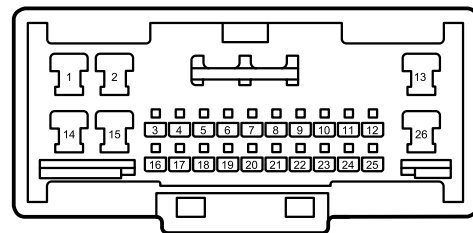
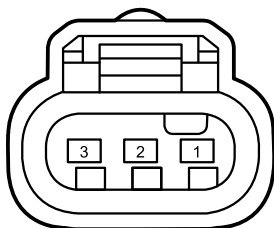


Pin	Functions	Note
1	Concealed door handle motor positive	-
2	Concealed door handle motor negative	-

SO147f Floor harness to rear bumper harness connector

Pin	Functions	Note
1	Power supply	-
2	Signal	-
3	Grounding	-

SO138 Right rear blind zone probe harness connector

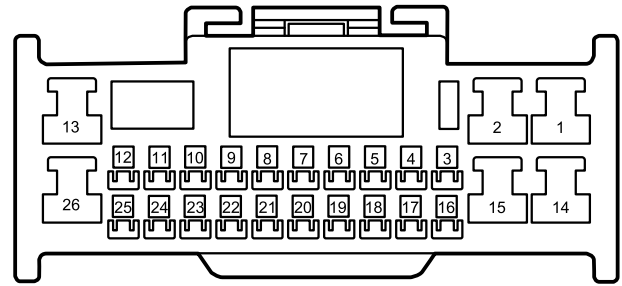


Pin	Functions	Note
1	Power supply	-
2	Signal	-
3	Grounding	-

SO139b Floor harness to instrument panel harness connector 6

Pin	Functions	Note
1	PEPS sensing coil negative	-
2	PEPS sensing coil positive	-
3	Rear reversing radar probe power supply	-
4	Left rear middle reversing radar probe signal	Domestic version
4	Left front reversing radar probe signal	Over-seas Edition
5	Left rear blind zone probe signal	Domestic version
5	Right front middle reversing radar probe signal	Over-seas Edition
6	left rear reversing radar probe signal	Domestic version

Pin	Functions	Note
6	Left front middle reversing radar probe signal	Over-seas Edition
7	Right rear reversing radar probe signal	-
8	Right rear blind zone probe signal	-
9	Right rear middle reversing radar probe signal	-
10	Rear reversing radar probe grounding	-
11	blind zone monitoring left controller power supply	-
12	Driver side blind spot monitoring indicator positive	-
13	Left rear middle reversing radar probe power supply/right rear middle reversing radar probe power supply/left rear reversing radar probe power supply/reversing radar controller power supply	-
14	CS CAN-L	-
15	CS CAN-H	-
16	Blind zone monitoring right controller power supply	-
17	Front passenger side blind monitoring spot indicator positive	-
18	Right front reversing radar probe signal	-
19	Rear fog light signal	-
20	Reverse light signal	-
21	reversing radar probe signal	-
22	CS CAN-H	-
23	CS CAN-L	-
24	CS CAN-H	-
25	CS CAN-L	-
26	Grounding	-



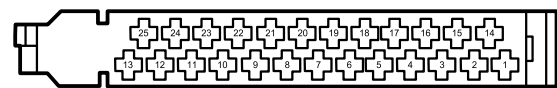
Pin	Functions	Note
1	PEPS sensing coil negative	-
2	PEPS sensing coil positive	-
3	Rear reversing radar probe power supply	-
4	Left rear middle reversing radar probe signal	Domestic version
4	Left front reversing radar probe signal	Over-seas Edition
5	Left rear blind zone probe signal	Domestic version
5	Right front middle reversing radar probe signal	Over-seas Edition
6	left rear reversing radar probe signal	Domestic version
6	Left front middle reversing radar probe signal	Over-seas Edition
7	Right rear reversing radar probe signal	-
8	Right rear blind zone probe signal	-
9	Right rear middle reversing radar probe signal	-
10	Rear reversing radar probe grounding	-
11	Blind zone monitoring left controller power supply	-
12	Driver side blind spot monitoring indicator positive	-
13	Left rear middle reversing radar probe power supply/Right rear middle reversing radar probe power supply/left rear reversing radar probe power supply/reversing radar controller power supply	-

SO148f Rear bumper harness to floor harness connector

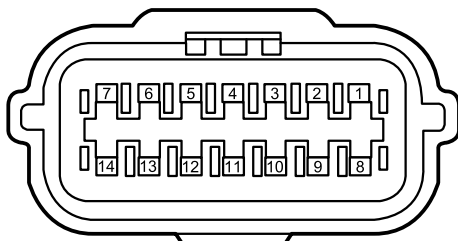
Pin	Functions	Note
14	CS CAN-L	-
15	CS CAN-H	-
16	Blind zone monitoring right controller power supply	-
17	Front passenger side blind monitoring spot indicator positive	-
18	Right front reversing radar probe signal	-
19	Rear fog light signal	-
20	Reverse light signal	-
21	reversing radar probe signal	-
22	CS CAN-H	-
23	CS CAN-L	-
24	CS CAN-H	-
25	CS CAN-L	-
26	Grounding	-

Pin	Functions	Note
11	Left front reversing radar probe signal	-
12	Right front middle reversing radar probe signal	-
13	Left front middle reversing radar probe signal	-
14	CS CAN-L	-

SO151 Window Anti-Pinch Module Harness Connector



SO149e Reversing radar controller harness connector 1



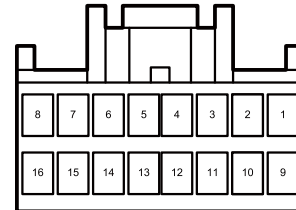
Pin	Functions	Note
1	-	-
2	-	-
3	-	-
4	Left rear reversing radar probe signal	-
5	Left rear middle reversing radar probe signal	-
6	Right front reversing radar probe signal	-
7	CS CAN-H	-
8	IG1 power supply	-
9	Grounding	-
10	Right rear middle reversing radar probe signal	-

Pin	Functions	Note
1	Left front and right rear window power supply	-
2	Driver side window up signal	-
3	-	-
4	Driver side window down signal	-
5	Grounding	-
6	Left rear door window up signal	-
7	window regulator switch grounding	-
8	Left rear door window down signal	-
9	-	-
10	Left front and right rear window grounding	-
11	-	-
12	Right front and left rear window power supply	-
13	Driver side window regulator switch signal	-
14	Front passenger side window up signal	-
15	-	-
16	Front passenger side window down signal	-
17	-	-
18	Right rear door window up signal	-

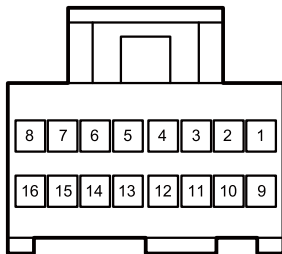
Pin	Functions	Note
19	-	-
20	Rear right door window down signal	-
21	Front passenger side door window regulator switch signal	-
22	Right front and left rear window grounding	-
23	Left rear door window regulator switch signal	-
24	LIN Communication	-
25	Right rear door window regulator switch signal	-

Pin	Functions	Note
14	-	-
15	-	-
16	-	-

SO163 Power amplifier harness connector B



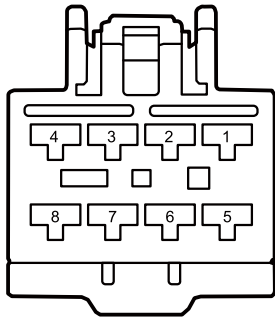
SO162 Power amplifier harness connector A



Pin	Functions	Note
1	Driver side door woofer positive/left front tweeter positive	-
2	Front passenger side door woofer positive/right front tweeter positive	-
3	Left rear loudspeaker signal positive	-
4	Right rear door loudspeaker signal positive	-
5	-	-
6	-	-
7	-	-
8	-	-
9	Driver side door woofer negative/left front tweeter negative	-
10	Front passenger side door woofer negative/right front tweeter negative	-
11	Left rear loudspeaker signal negative	-
12	Right rear door loudspeaker signal negative	-
13	-	-

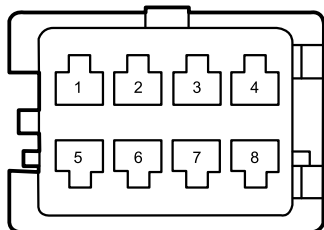
Pin	Functions	Note
1	Left rear door loudspeaker signal positive	-
2	Right rear door loudspeaker signal positive	-
3	Right rear door loudspeaker signal negative	-
4	Right front tweeter negative	-
5	Right front tweeter positive	-
6	Left front tweeter positive	-
7	Left front tweeter negative	-
8	-	-
9	Left rear loudspeaker signal negative	-
10	-	-
11	-	-
12	-	-
13	Power amplifier control signal	-
14	-	-
15	Power amplifier ACC signal	-
16	-	-

SO164 Power amplifier harness connector C



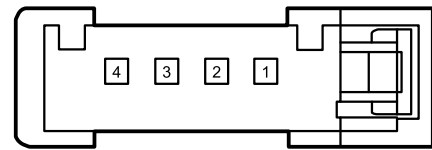
Pin	Functions	Note
1	Front passenger side door woofer negative	-
2	Subwoofer positive	-
3	Driver side door woofer positive	-
4	B+Power supply	-
5	Front passenger side door woofer positive	-
6	Subwoofer negative	-
7	Driver side door woofer negative	-
8	Grounding	-

SO185b JC21 harness connector



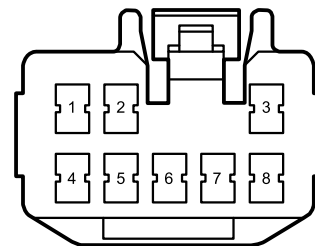
Pin	Functions	Note
1	CS CAN-H	-
2	CS CAN-H	-
3	CS CAN-H	-
4	CS CAN-H	-
5	CS CAN-L	-
6	CS CAN-L	-
7	CS CAN-L	-
8	CS CAN-L	-

SO202 Backdoor lock motor harness connector



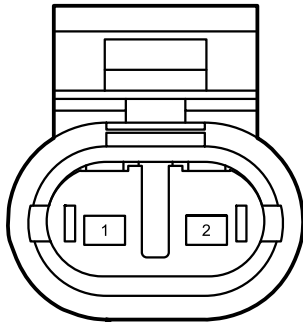
Pin	Functions	Note
1	Grounding	-
2	Switch signal	-
3	Unlocking signal	-
4	-	-

SO203 Sunshade module harness connector



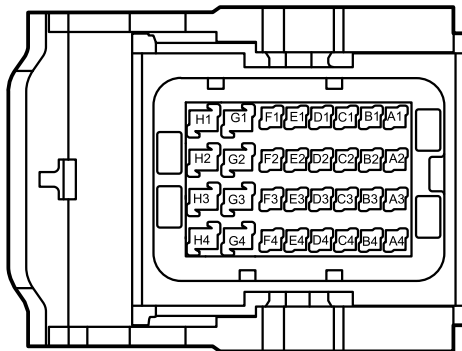
Pin	Functions	Note
1	B+Power supply	-
2	Grounding	-
3	IG1 power supply	-
4	Sunshade closing	-
5	Sunshade opening	-
6	-	-
7	-	-
8	LIN Communication	-

SO204 Backdoor micro switch harness connector



Pin	Functions	Note
1	Switch positive	-
2	Switch negative	-

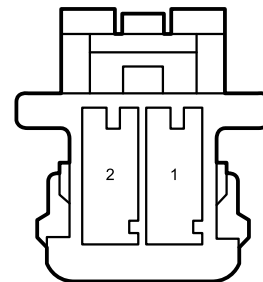
SO207 Charger controller harness connector



Pin	Functions	Note
A1	-	-
A2	-	-
A3	B+power supply	-
A4	Grounding	-
B1	-	-
B2	Charger wake-up signal	-
B3	IG1 power supply	-
B4	Fast-charging wake-up signal grounding	-
C1	-	-
C2	-	-
C3	AC charging confirmation CP signal	-
C4	Fast-charging wake-up signal	-
D1	-	-
D2	-	-
D3	AC charging confirmation CC signal	-
D4	Charging connection confirmation CC2 signal	-

Pin	Functions	Note
E1	-	-
E2	Charging socket CP signal	-
E3	Fast-charging CAN-H	-
E4	HB CAN-H	-
F1	Grounding	-
F2	Charging socket PP signal	-
F3	Fast-charging CAN-L	-
F4	HB CAN-L	-
G1	-	-
G2	-	-
G3	-	-
G4	-	-
H1	-	-
H2	-	-
H3	-	-
H4	-	-

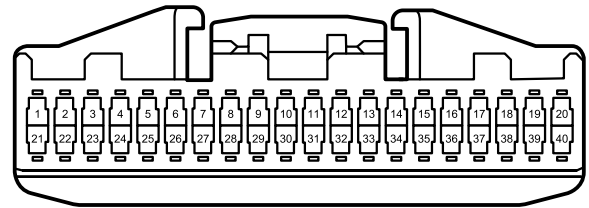
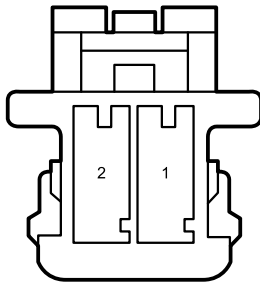
SO217 Left rear seat belt buckle harness connector



Pin	Functions	Note
1	Left rear seat belt buckle switch signal positive	-
2	Left rear seat belt buckle switch signal negative	-

SO219 Right rear seat belt buckle harness connector

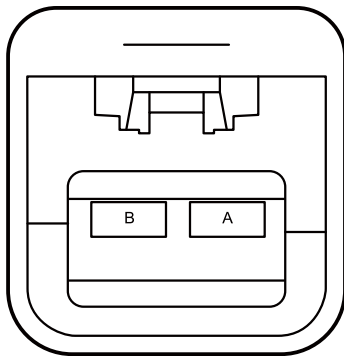
SO237a Automatic parking module harness connector
1



Pin	Functions	Note
1	Right rear seat belt buckle switch signal positive	-
2	Right rear seat belt buckle switch signal negative	-

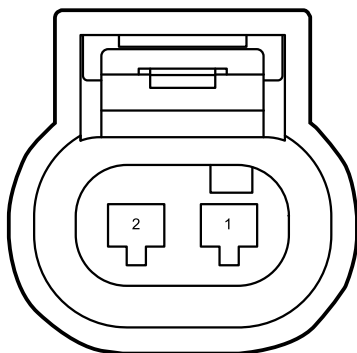
Pin	Functions	Note
1	-	-
2	-	-
3	-	-
4	-	-
5	Driver side blind spot monitoring indicator positive	-
6	-	-
7	Rear reversing radar probe grounding	-
8	Right rear blind zone probe signal	-
9	left rear reversing radar probe signal	-
10	Right rear middle reversing radar probe signal	-
11	Front reversing radar probe grounding	-
12	Right front blind zone probe signal	-
13	Left front reversing radar probe signal	-
14	Right front middle reversing radar probe signal	-
15	-	-
16	-	-
17	Private CAN-L	-
18	CS CAN-L	-
19	ACC power supply	-
20	Grounding	-
21	-	-
22	-	-
23	-	-
24	-	-
25	Front passenger side blind monitoring spot indicator positive	-

SO225a Subwoofer harness connector



Pin	Functions	Note
A	Loudspeaker negative	-
B	Loudspeaker positive	-

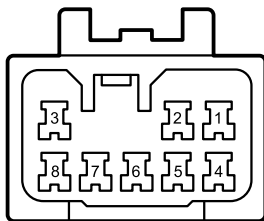
SO226a Rear charging port cover motor harness connector



Pin	Functions	Note
1	Locking signal	-
2	Unlocking signal	-

Pin	Functions	Note
26	Blind spot monitoring indicator negative	-
27	Rear reversing radar probe power supply	-
28	Left rear blind zone probe signal	-
29	Left rear middle reversing radar probe signal	-
30	Right rear reversing radar probe signal	-
31	Front reversing radar probe power supply	-
32	Left front blind zone probe signal	-
33	Left front middle reversing radar probe signal	-
34	Right front reversing radar probe signal	-
35	-	-
36	-	-
37	Private CAN-H	-
38	CS CAN-H	-
39	-	-
40	B+Power supply	-

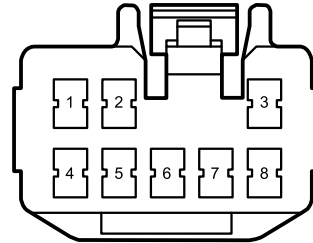
SO252b Backdoor harness to license plate light harness connector



Pin	Functions	Note
1	Right rear license plate light/through-type light signal	-
2	Courtesy signal	-
3	-	-
4	Grounding	-
5	Backdoor micro switch positive	-
6	License plate light signal	-

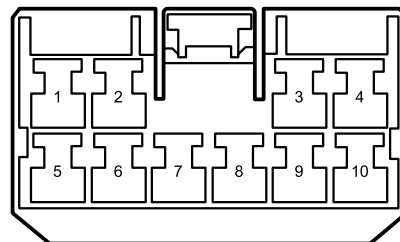
Pin	Functions	Note
7	-	-
8	-	-

SO253b License plate light harness to backdoor harness connector



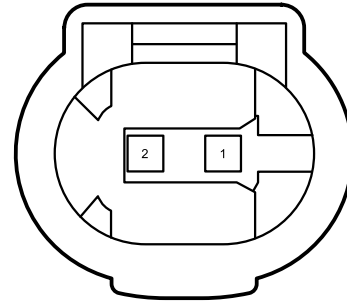
Pin	Functions	Note
1	Right rear license plate light/through-type light signal	-
2	Courtesy signal	-
3	-	-
4	Grounding	-
5	Backdoor micro switch positive	-
6	License plate light signal	-
7	-	-
8	-	-

SO280 Floor harness to front passenger seat harness connector



Pin	Functions	Note
1	Front passenger seat adjustment switch power supply	-
2	Front passenger seat fan power supply	-
3	Front passenger seat fan grounding	-

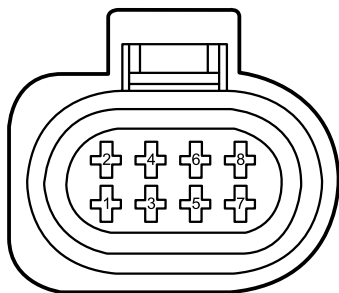
Pin	Functions	Note
4	Front passenger seat adjustment switch grounding	-
5	Front passenger seat fan PWM control signal	-
6	Front passenger seat heater power supply	-
7	Front passenger seat heating grounding	-
8	Front passenger seat heater sensor positive	-
9	Front passenger seat heater sensor negative	-
10	-	-



Pin	Functions	Note
1	Locking signal	-
2	Unlocking signal	-

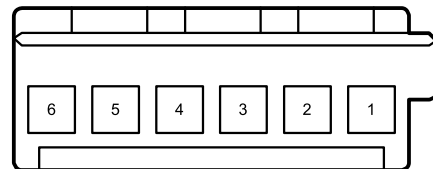
SO409 EF receiver module harness connector

SO349a Blind zone monitoring left controller harness connector



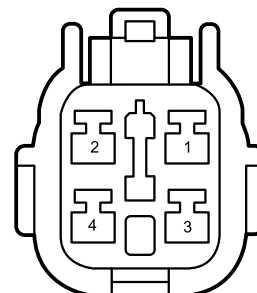
Pin	Functions	Note
1	Driver side blind spot monitoring indicator positive	-
2	-	-
3	CS CAN-H	-
4	CS CAN-L	-
5	Grounding	-
6	Private CAN-H	-
7	Private CAN-L	-
8	B+Power supply	-

SO408 AC charging port lock harness connector



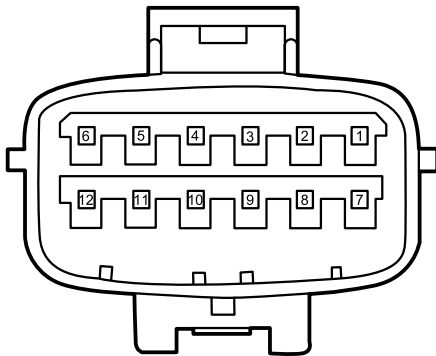
Pin	Functions	Note
1	B+Power supply	-
2	-	-
3	-	-
4	-	-
5	Grounding	-
6	LIN Communication	-

SO410a to AC charging socket (e-lock) harness connector



Pin	Functions	Note
1	AC charging socket lock-up motor positive	-
2	AC charging socket lock-up motor negative	-
3	AC charging socket lock-up motor sensor signal positive	-
4	AC charging socket lock-up motor sensor signal negative	-

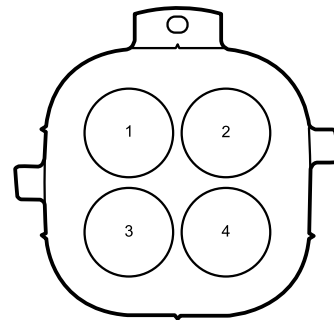
SO411 to AC charging socket (charging base) harness connector



Pin	Functions	Note
1	AC charging socket lock-up motor positive	Domestic version
1	AC charging socket temperature sensor 2 positive	Over-seas Edition
2	AC charging socket temperature sensor 2 negative	-
3	AC charging socket lock-up motor negative	Domestic version
3	AC charging socket temperature sensor 1 positive	Over-seas Edition
4	AC charging socket temperature sensor 1 negative	-
5	AC charging socket lock-up motor sensor	Domestic version
5	Quick charging anode temperature sensor signal positive	Over-seas Edition
6	Quick charging anode temperature sensor signal negative	-
7	AC charging socket temperature sensor 2 positive	Domestic version

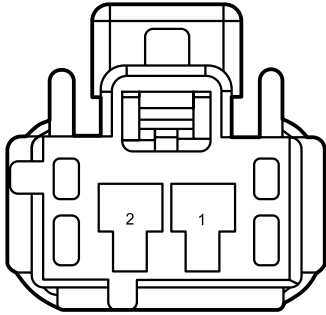
Pin	Functions	Note
7	Quick charging cathode temperature sensor signal positive	Over-seas Edition
8	AC charging confirmation CC signal	Domestic version
8	Quick charging cathode temperature sensor signal negative	Over-seas Edition
9	AC charging confirmation CP signal	Domestic version
9	Charging socket PP signal	Over-seas Edition
10	AC charging socket temperature sensor 1 positive	Domestic version
10	Charging socket CP signal	Over-seas Edition
11	AC charging socket temperature sensor 1 negative	-
12	AC charging socket temperature sensor 2 negative	-

SO412 Through-type light harness connector



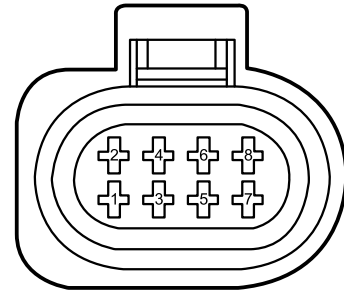
Pin	Functions	Note
1	Grounding	-
2	Position light power supply	-
3	Courtesy signal	-
4	-	-

SO509a Driver Detection Switch Harness Connector



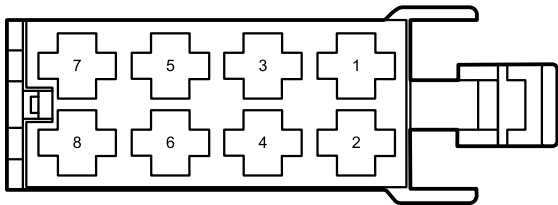
Pin	Functions	Note
1	Signal positive	-
2	Signal negative	-

SO508 Head unit harness connector



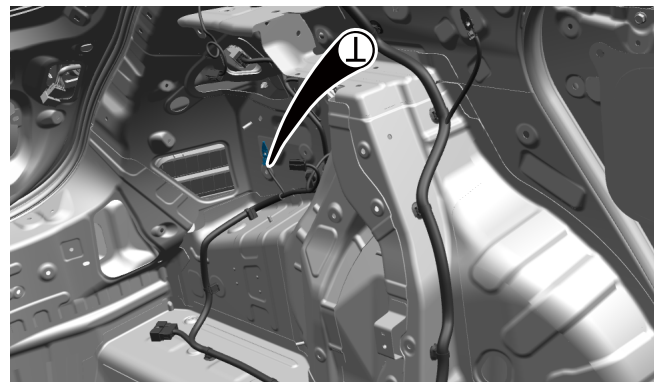
Pin	Functions	Note
1	Front passenger side blind monitoring spot indicator positive	-
2	Grounding	-
3	CS CAN-H	-
4	CS CAN-L	-
5	Grounding	-
6	Private CAN-H	-
7	Private CAN-L	-
8	B+Power supply	-

G20 Floor harness grounding

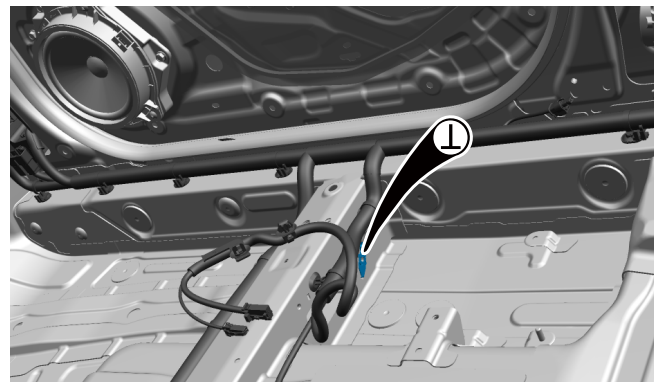


Pin	Functions	Note
1	Right rear loudspeaker positive	-
2	Right rear loudspeaker negative	-
3	Front passenger side loudspeaker positive	-
4	Front passenger side loudspeaker negative	-
5	Driver side loudspeaker positive	-
6	Driver side loudspeaker negative	-
7	Left rear loudspeaker positive	-
8	Left rear loudspeaker negative	-

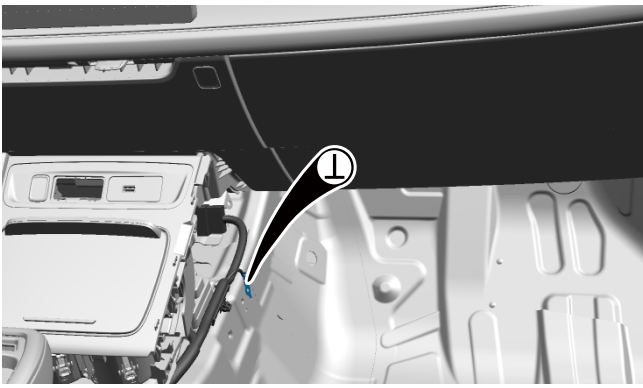
SO510 blind zone monitoring right controller harness connector



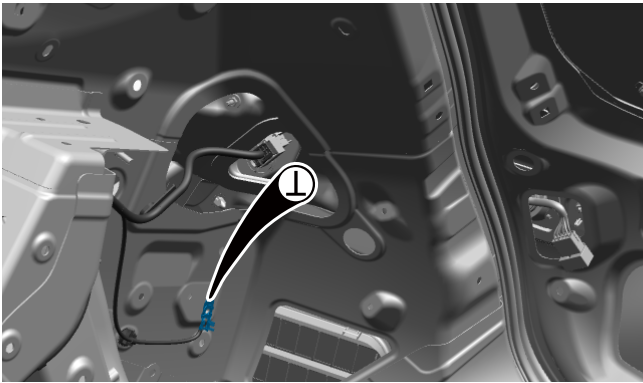
G22 Floor harness grounding



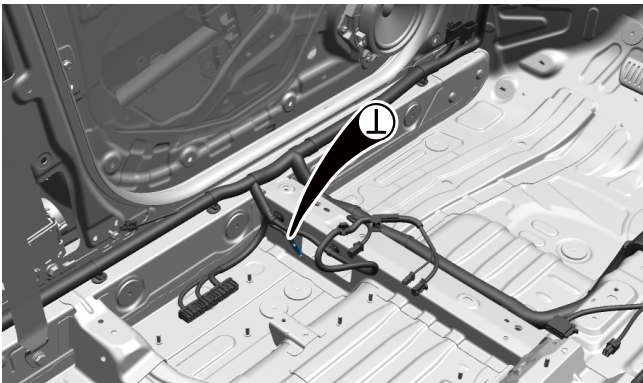
G23 Floor harness grounding



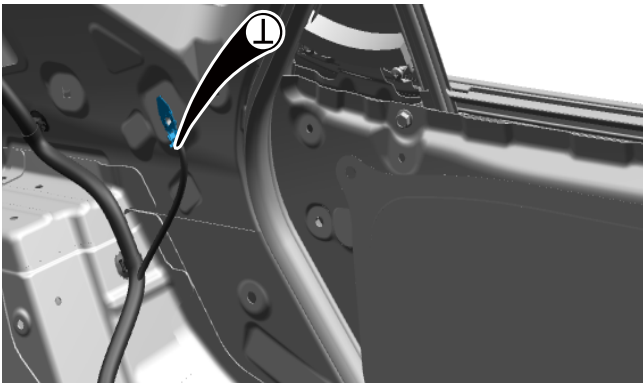
G24 Floor harness grounding



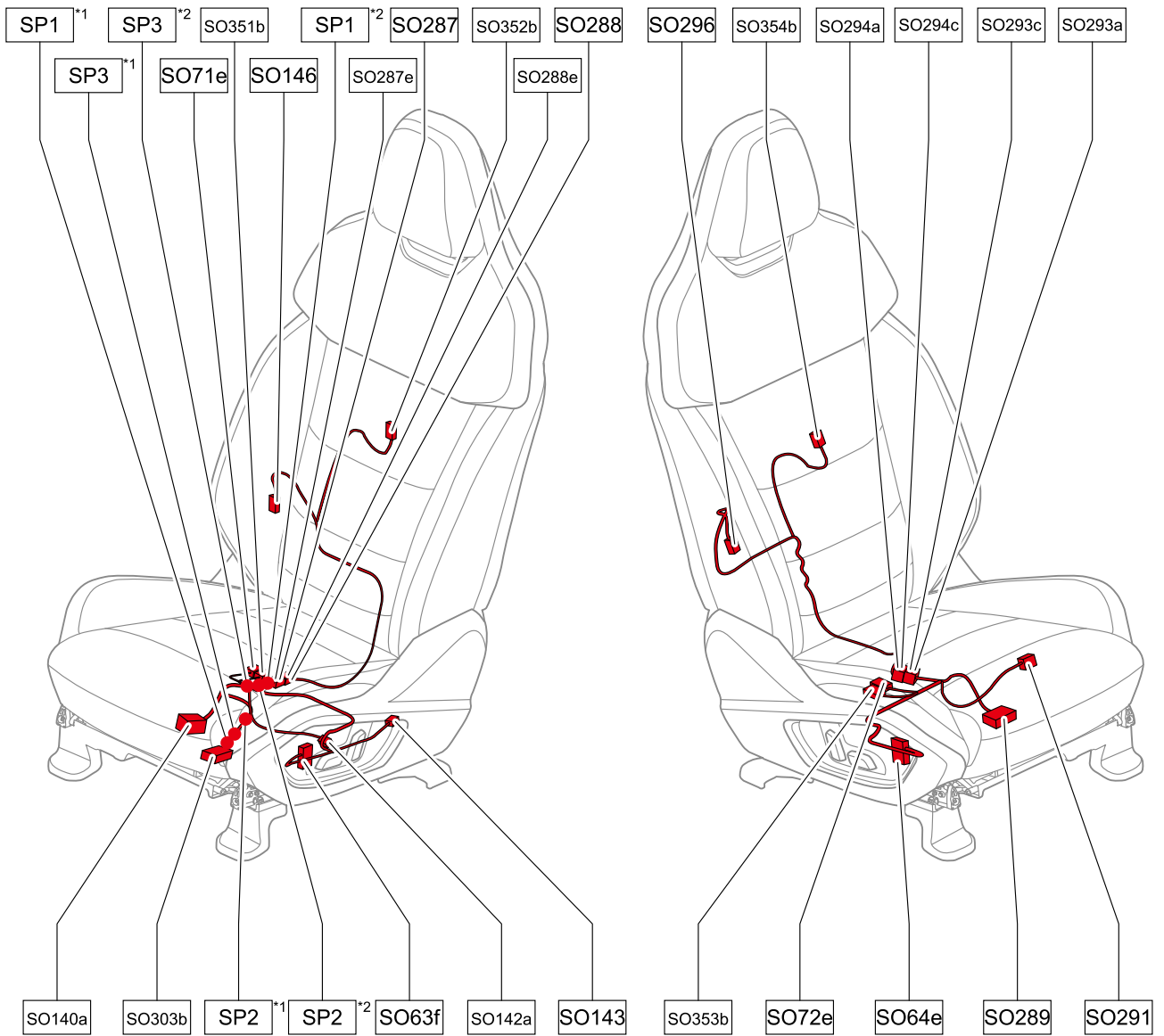
G26 Floor harness grounding



G27 Floor harness grounding



Seat harness layout drawing



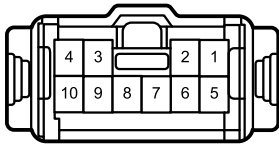
*1: for vehicle without seat memory
 *2: for vehicle with seat memory

Seat harness connector list

Harness connector	Name	Harness connector	Name
SO63f	Driver seat adjustment switch harness connector	SO289	Front passenger seat harness to floor harness connector
SO64e	Front passenger seat adjustment switch harness connector	SO291	Front passenger seat sliding chute motor harness connector
SO71e	Driver seat heating harness connector	SO293a	Front passenger seat harness to front passenger backrest harness connector (overseas)
SO72e	Front passenger seat heating harness connector	SO293c	Front passenger seat harness to front passenger backrest harness connector (domestic)
SO140a	Driver seat harness to floor harness connector 1	SO294a	Front passenger backrest harness to front passenger seat harness connector (overseas)
SO142a	Driver seat sliding chute motor harness connector	SO294c	Front passenger backrest harness to front passenger seat harness connector (domestic)
SO143	Driver seat motor harness connector	SO296	Front passenger seat angle adjuster motor harness connector
SO146	Driver seat angle adjuster motor harness connector	SO303b	Driver seat heating module harness connector
SO287	Driver seat harness to driver backrest harness connector (domestic)	SO351b	Driver seat cushion fan harness connector
SO287e	Driver seat harness to driver backrest harness connector (overseas)	SO352b	Driver seat backrest fan harness connector
SO288	Driver backrest harness to driver seat harness connector (domestic)	SO353b	Front passenger seat cushion fan harness connector
SO288e	Driver backrest harness to driver seat harness connector (overseas)	SO354b	Front passenger seat backrest fan harness connector

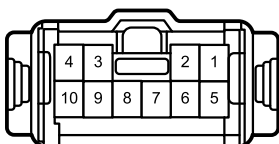
Seat harness terminal definition

SO63f Driver seat adjustment switch harness connector



Pin	Functions	Note
1	-	-
2	Regulator motor down	-
3	Grounding	-
4	B+Power supply	-
5	-	-
6	Sliding chute motor forward	-
6	Switch ground	Memory
7	Angle adjuster adjustment motor forward	-
7	Level adjustment switch	Memory
8	Angle adjuster motor backward	-
8	Lifting adjustment switch	Memory
9	Regulator motor up	-
9	Backrest adjustment switch	Memory
10	Sliding chute motor backward	-

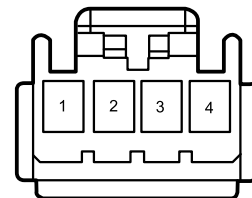
SO64e Front passenger seat adjustment switch harness connector



Pin	Functions	Note
1	B+Power supply	-
2	-	-

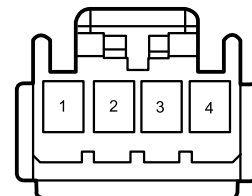
Pin	Functions	Note
3	-	-
4	Grounding	-
5	Front passenger seat angle adjuster adjustment motor forward	-
6	Front passenger seat angle adjuster adjustment motor backward	-
7	-	-
8	-	-
9	Front passenger seat sliding chute motor forward	-
10	Front passenger seat sliding chute motor backward	-

SO71e Driver seat heating harness connector



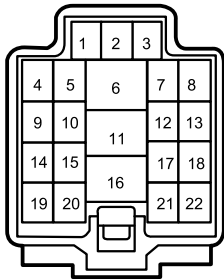
Pin	Functions	Note
1	Power supply	-
2	Sensor positive	-
3	Sensor negative	-
4	Grounding	-

SO72e Front passenger seat heating harness connector



Pin	Functions	Note
1	Power supply	-
2	Sensor positive	-
3	Sensor negative	-
4	Grounding	-

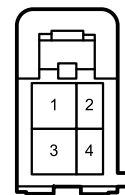
SO140a Driver seat harness to floor harness connector
1



Pin	Functions	Note
1	Driver seat adjustment switch grounding	-
1	Driver seat heating power supply	Memory
2	Driver seat heating grounding	Memory
3	Driver seat heating sensor positive	Memory
4	Driver seat adjustment switch power supply	-
4	Driver seat sliding chute motor adjustment switch signal	Memory
5	Driver seat adjustment switch/driver seat heating sensor grounding	Memory
6	-	-
7	CF CAN-H	-
7	Driver seat fan power supply	Memory
8	CF CAN-L	-
8	Driver seat up/down motor adjustment switch signal	Memory
9	Driver seat heating module power supply	-
9	Driver seat sliding chute motor Hall sensor signal	Memory
10	Driver seat heating module/Driver seat heating grounding	-
10	Driver seat level adjustment signal	Memory

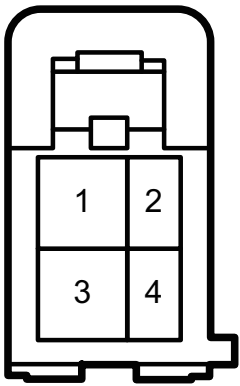
Pin	Functions	Note
11	Driver seat up/down motor/angle adjuster motor common terminal	Memory
12	Driver seat lifting adjustment signal	Memory
13	Front passenger seat cushion heating power supply	-
13	Driver seat up/down motor Hall sensor signal	Memory
14	Driver seat angle adjuster motor Hall sensor signal	Memory
15	Front passenger seat cushion heating sensor positive	-
15	Driver seat backrest adjustment signal	Memory
16	Driver seat sliding chute motor common terminal	Memory
17	Front passenger seat cushion heating sensor negative	-
17	Driver seat fan grounding	Memory
18	Driver seat fan PWM control signal	-
19	Driver seat angle adjuster motor adjustment switch signal	Memory
20	-	-
21	-	-
22	Hall sensor grounding	Memory

SO142a Driver seat sliding chute motor harness connector



Pin	Functions	Note
1	Forward adjustment	-
2	Hall sensor grounding	-
3	Backward adjustment	-
4	Hall sensor power supply	-

SO143 Driver seat motor harness connector

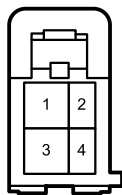
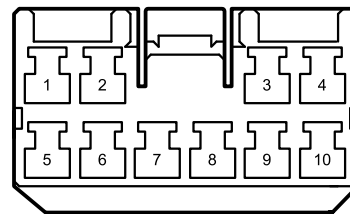


Pin	Functions	Note
1	Driver seat angle adjuster motor forward	-
2	Driver seat Hall sensor grounding	-
3	Driver seat Hall sensor power supply	-
4	Driver seat angle adjuster motor backward	-

SO287e Driver seat harness to driver backrest harness connector (overseas)

Pin	Functions	Note
1	Motor down	-
2	Hall sensor grounding	-
3	Motor up	-
4	Hall sensor power supply	-

SO146 Driver seat angle adjuster motor harness connector

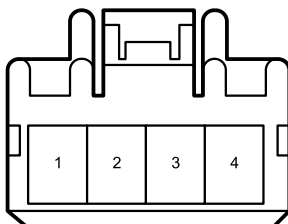


Pin	Functions	Note
1	Driver seat backrest fan power supply	-
2	Driver seat backrest fan grounding	-
3	Driver seat backrest fan PWM control signal	-
4	Driver seat Hall sensor power supply	-
5	Driver seat angle adjuster motor backward	-
6	Driver seat angle adjuster motor forward	-
7	Driver seat Hall sensor grounding	-
8	-	-
9	-	-
10	-	-

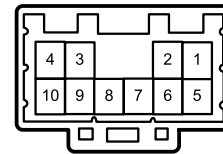
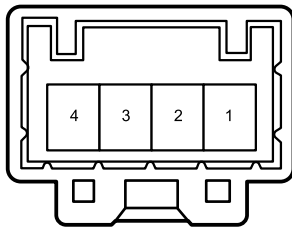
Pin	Functions	Note
1	Forward adjustment	-
2	Hall sensor power supply	-
3	Backward adjustment	-
4	Hall sensor grounding	-

SO287 Driver seat harness to driver backrest harness connector (domestic)

SO288 Driver backrest harness to driver seat harness connector (domestic)



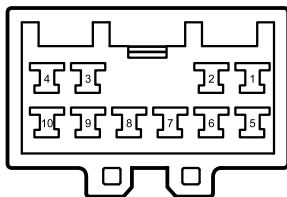
SO289 Front passenger seat harness to floor harness connector



Pin	Functions	Note
1	Driver seat angle adjuster motor forward	-
2	Driver seat Hall sensor grounding	-
3	Driver seat Hall sensor power supply	-
4	Driver seat angle adjuster motor backward	-

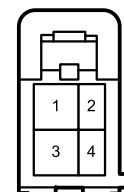
Pin	Functions	Note
1	Front passenger seat adjustment switch power supply	-
2	Front passenger seat fan power supply	-
3	Front passenger seat fan grounding	-
4	Front passenger seat adjustment switch grounding	-
5	Front passenger seat fan speed regulation PWM control signal	-
6	Front passenger seat heater power supply	-
7	Front passenger seat heating grounding	-
8	Front passenger seat heater sensor positive	-
9	Front passenger seat heater sensor negative	-
10	-	-

SO288e Driver backrest harness to driver seat harness connector (overseas)

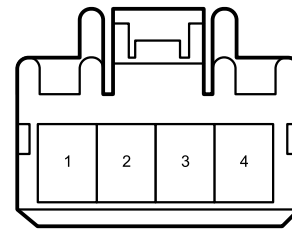


Pin	Functions	Note
1	Driver seat backrest fan power supply	-
2	Driver seat backrest fan grounding	-
3	Driver seat backrest fan PWM control signal	-
4	Driver seat Hall sensor power supply	-
5	Driver seat angle adjuster motor backward	-
6	Driver seat angle adjuster motor forward	-
7	Driver seat Hall sensor grounding	-
8	-	-
9	-	-
10	-	-

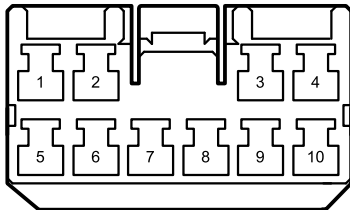
SO291 Front passenger seat sliding chute motor harness connector



Pin	Functions	Note
1	Forward adjustment	-
2	-	-
3	Backward adjustment	-
4	-	-



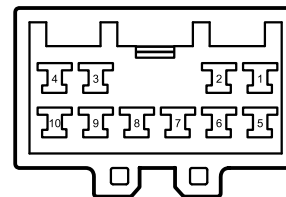
SO293a Front passenger seat harness to front passenger backrest harness connector (overseas)



Pin	Functions	Note
1	Front passenger seat angle adjuster adjustment motor forward	-
2	-	-
3	-	-
4	Front passenger seat angle adjuster adjustment motor backward	-

Pin	Functions	Note
1	Front passenger seat backrest fan power supply	-
2	Front passenger seat backrest fan grounding	-
3	Front passenger seat backrest fan speed regulation PWM control signal	-
4	Front passenger seat angle adjuster adjustment motor forward	-
5	Front passenger seat angle adjuster adjustment motor backward	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-

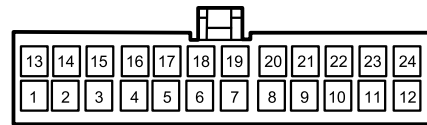
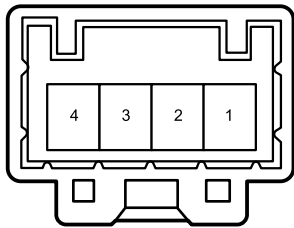
SO294a Front passenger seat harness to front passenger seat harness connector (overseas)



SO293c Front passenger seat harness to front passenger backrest harness connector (domestic)

Pin	Functions	Note
1	Front passenger seat backrest fan power supply	-
2	Front passenger seat backrest fan grounding	-
3	Front passenger seat backrest fan speed regulation PWM control signal	-
4	Front passenger seat angle adjuster adjustment motor forward	-
5	Front passenger seat angle adjuster adjustment motor backward	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-

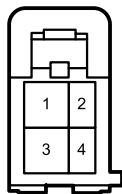
SO294c Front passenger backrest harness to front passenger seat harness connector (domestic)



Pin	Functions	Note
1	Front passenger seat angle adjuster adjustment motor forward	-
2	-	-
3	-	-
4	Front passenger seat angle adjuster adjustment motor backward	-

Pin	Functions	Note
1	B+Power supply	-
2	-	-
3	Front passenger seat cushion heating sensor positive	-
4	-	-
5	Driver seat cushion heating signal positive	-
6	-	-
7	-	-
8	-	-
9	-	-
10	Front seat cushion heating sensor negative	-
11	Seat heating sensor grounding	-
12	Grounding	-
13	B+Power supply	-
14	-	-
15	Driver seat heater power supply	-
16	-	-
17	Front passenger seat cushion heating power supply	-
18	-	-
19	-	-
20	-	-
21	-	-
22	CF CAN-H	-
23	CF CAN-L	-
24	-	-

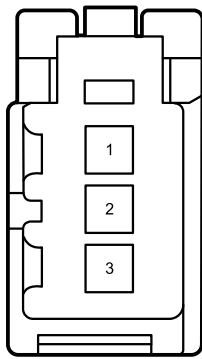
SO296 Front passenger seat angle adjuster motor harness connector



Pin	Functions	Note
1	Forward adjustment	-
2	-	-
3	Backward adjustment	-
4	-	-

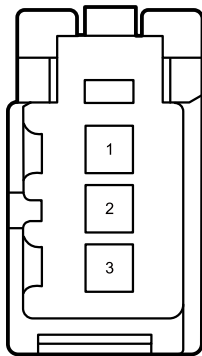
SO303b Driver seat heating module harness connector

SO351b Driver seat cushion fan harness connector



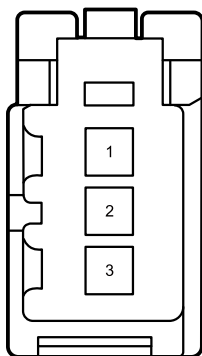
Pin	Functions	Note
1	Speed PWM signal	-
2	Fan IG1 power supply	-
3	Fan grounding	-

SO352b Driver seat backrest fan harness connector



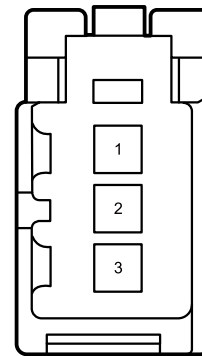
Pin	Functions	Note
1	Speed PWM signal	-
2	Fan IG1 power supply	-
3	Fan grounding	-

SO353b Front passenger seat cushion fan harness connector



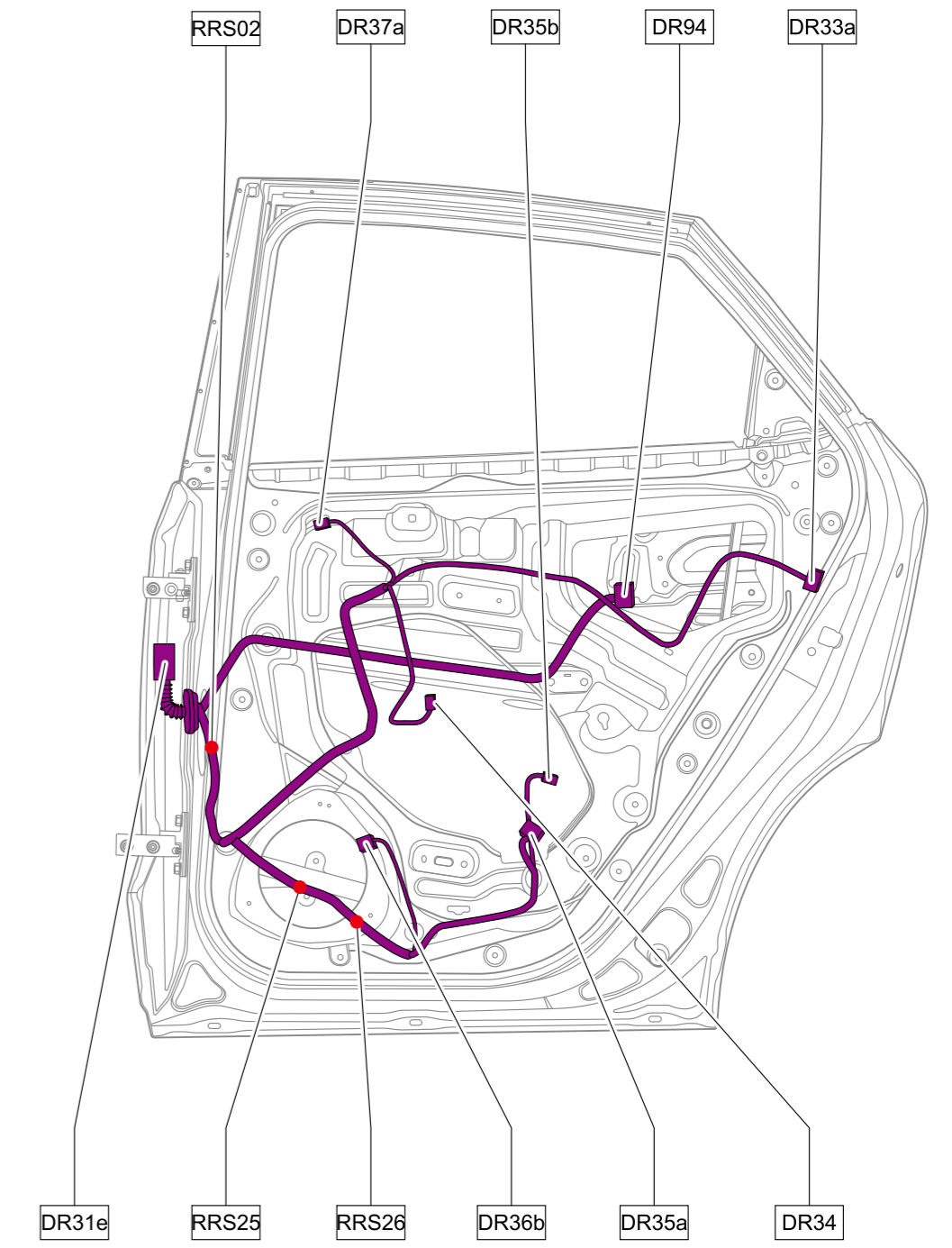
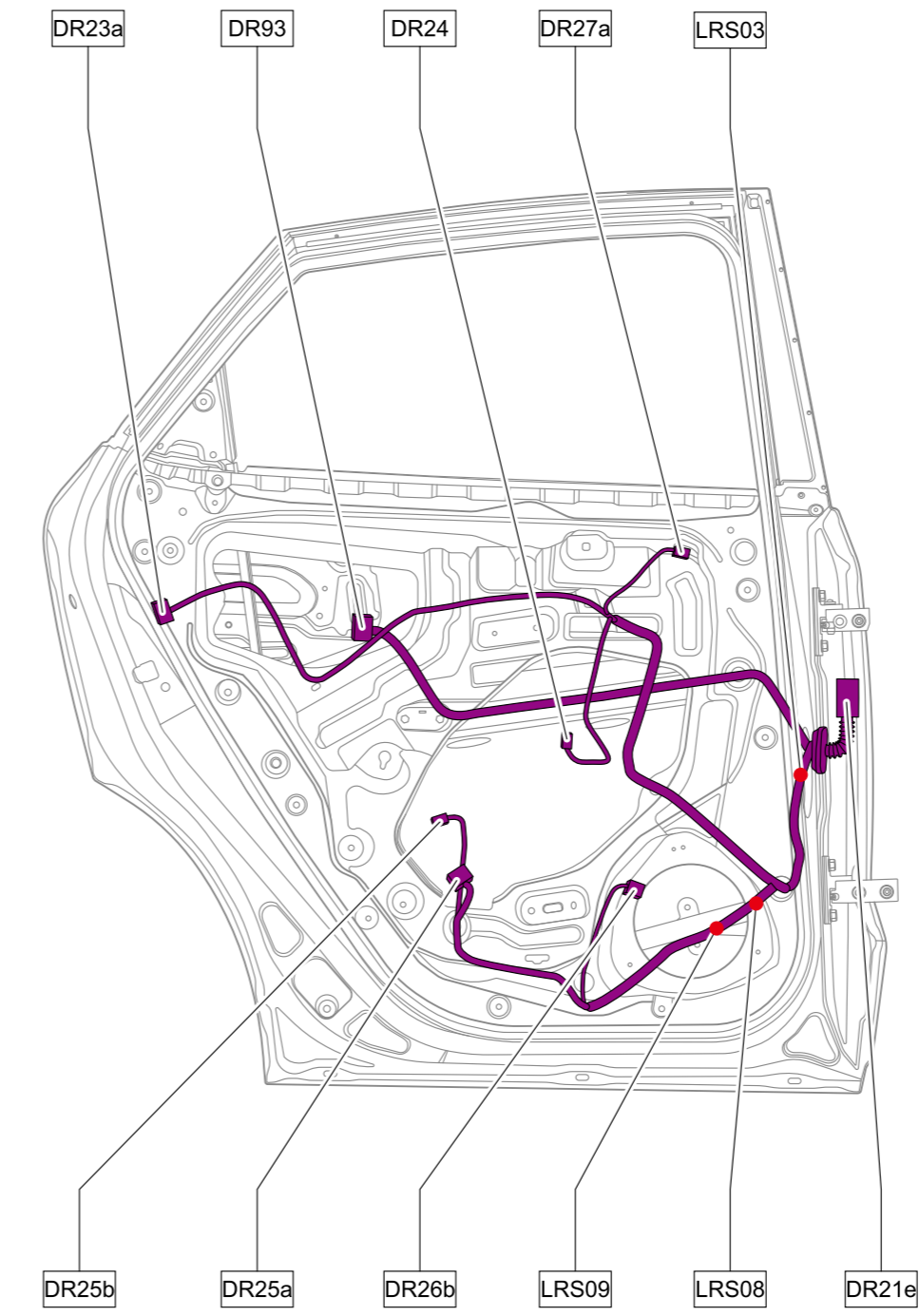
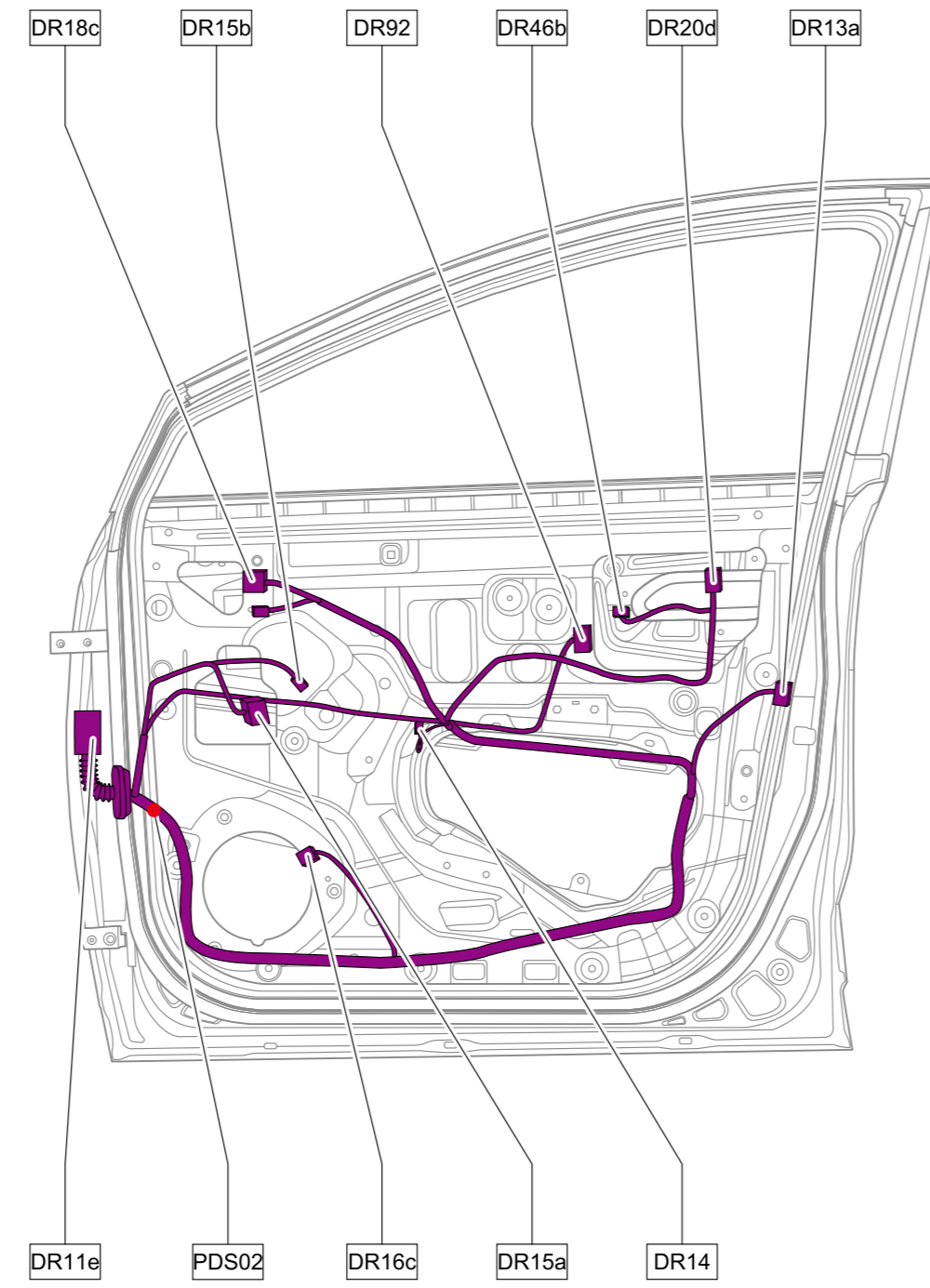
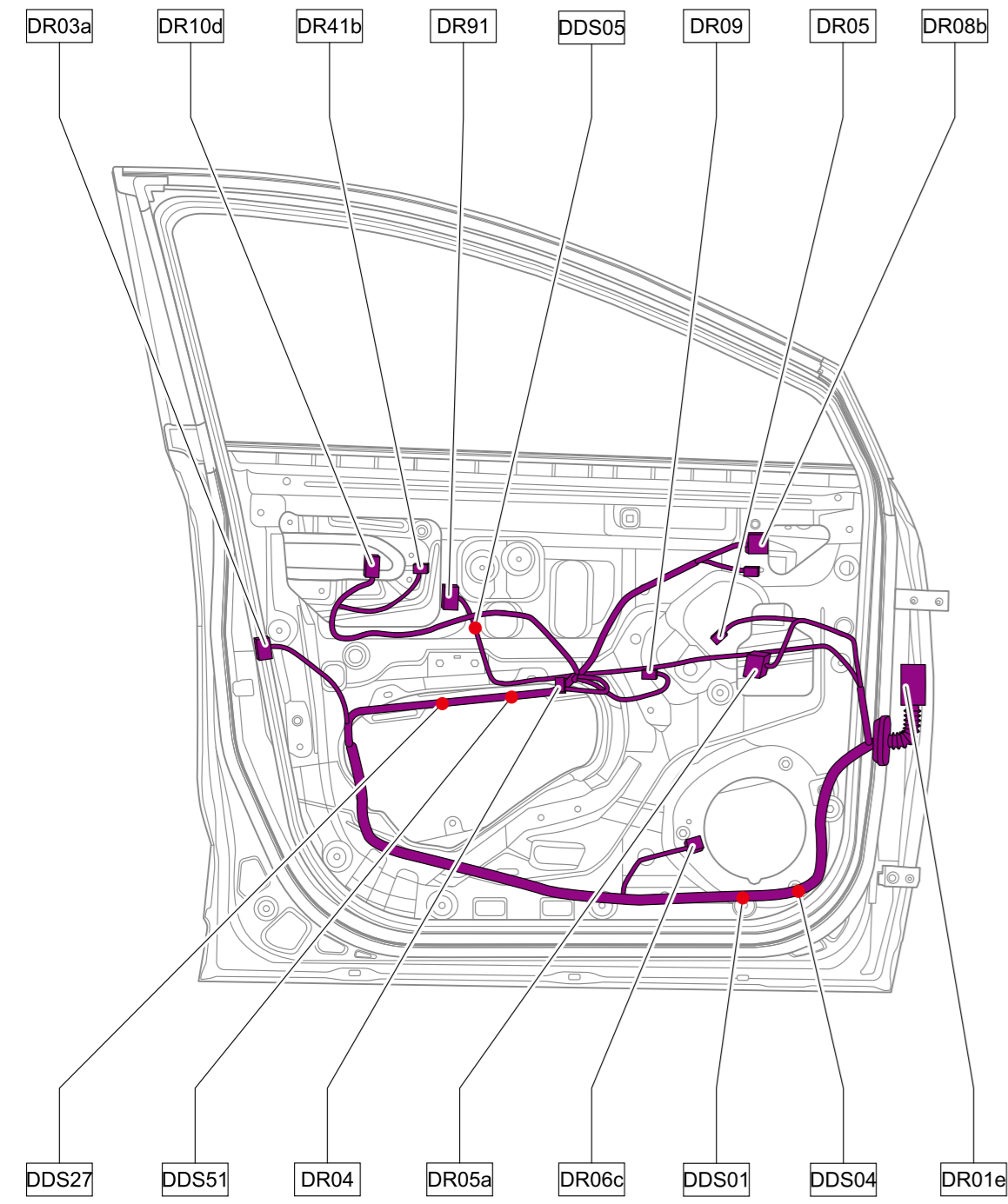
Pin	Functions	Note
1	Speed PWM signal	-
2	Fan IG1 power supply	-
3	Fan grounding	-

SO354b Front passenger seat backrest fan harness connector



Pin	Functions	Note
1	Speed PWM signal	-
2	Fan IG1 power supply	-
3	Fan grounding	-

Door harness layout drawing



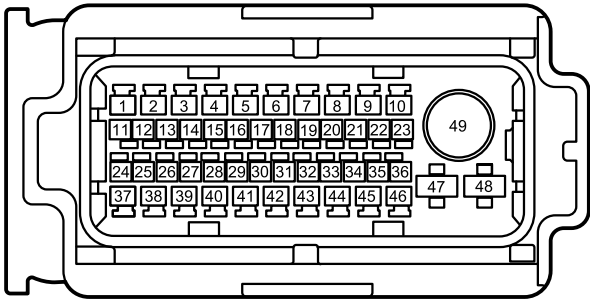
Door harness connector list

Harness connector	Name	Harness connector	Name
DR01e	Driver door harness to floor harness connector	DR24	Left rear door window regulator switch harness connector
DR03a	Driver door lock motor harness connector	DR25a	Left rear door window regulator motor harness connector (for four-door anti-pinch model)
DR04	Driver side door window regulator switch harness connector	DR25b	Left rear door window regulator motor harness connector (for corrugated anti-pinch model)
DR05	Driver side door window regulator motor harness connector (for corrugated anti-pinch model)	DR26b	Left rear door woofer harness connector
DR05a	Driver side door window regulator motor harness connector (for four-door anti-pinch model)	DR27a	Left rear door tweeter harness connector
DR06c	Driver side door woofer harness connector	DR31e	Right rear door harness to floor harness connector
DR08b	Driver side exterior rearview mirror harness connector	DR33a	Right rear door lock motor harness connector
DR09	Exterior rearview mirror adjustment switch harness connector	DR34	Right rear door window regulator switch harness connector
DR10d	Door handle sensor harness connector at driver side	DR35a	Right rear door window regulator motor harness connector (for four-door anti-pinch model)
DR11e	Front passenger door harness to floor harness connector	DR35b	Right rear door window regulator motor harness connector (for four-door anti-pinch model)
DR13a	Harness connector for door lock motor at front passenger side	DR36b	Rear right door woofer harness connector
DR14	Front passenger side door window regulator switch harness connector	DR37a	Rear right door tweeter harness connector
DR15a	Front passenger side door window regulator motor harness connector (with four door anti-pinch)	DR41b	Driver side door ambient light harness connector
DR15b	Driver side door window regulator motor harness connector (for corrugated anti-pinch model)	DR46b	Front passenger side door ambient light harness connector
DR16c	Front passenger's door woofer harness connector	DR91	Left front concealed door handle harness connector
DR18c	Front passenger side exterior rearview mirror harness connector	DR92	Right front concealed door handle harness connector
DR20d	Front passenger side door handle sensor harness connector	DR93	Left rear concealed door handle harness connector

Harness connector	Name	Harness connector	Name
DR21e	Left rear door harness to floor harness connector	DR94	Right rear concealed door handle harness connector
DR23a	Left rear door lock motor harness connector	-	-

Door harness terminal definition

DR01e Driver door harness to floor harness connector

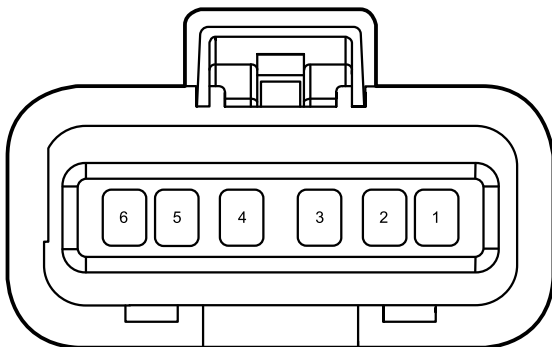


Pin	Functions	Note
1	Driver side door woofer positive	-
2	Driver side door woofer negative	-
3	Rearview mirror heating power supply	-
4	Driver side rearview mirror turn signal light power supply	-
5	Rearview mirror folding	-
6	Left front concealed door handle indicator signal	-
7	Driver side door ambient light power supply	-
8	Left front concealed door handle sensor signal	-
9	Left front concealed door handle upwarp signal	-
10	Left front concealed door handle shut-off signal	-
11	Unfolding of rearview mirrors	-
12	Central unlocking/locking switch signal	-
13	Window locking switch signal	-
14	Driver side door window regulator switch/exterior rearview mirror adjustment switch backlight signal	-
15	Left rear glass regulating signal	-
16	Right rear glass regulating signal	-
17	Front passenger glass regulating signal	-
18	LIN communication (driver side door window regulator motor)	Domestic version

Pin	Functions	Note
18	Driver side window regulator switch signal output	Over-seas Edition
19	Courtesy switch signal at drive side	-
20	Driver's door lock motor switch signal	-
21	Driver side blind spot monitoring indicator positive	-
22	Memory sensor power supply	Domestic version
22	Driver side glass lift signal output	Over-seas Edition
23	LIN communication (driver side door ambient light)	-
24	Blind spot monitoring indicator signal negative	-
25	Driver side exterior rearview mirror up and down position signal	-
26	Driver side exterior rearview mirror left and right position signal	-
27	Exterior rearview mirror sensor grounding	-
28	Exterior rearview regulating common terminal	Memory
28	Front passenger side exterior rearview up and down adjustment	-
29	Driver side exterior rearview mirror left and right adjustment signal	Memory
29	Front passenger side exterior rearview mirror left and right adjustment	-
30	Driver side exterior rearview mirror up and down adjustment signal	Memory
30	Common terminal for rearview mirror adjustment	-
31	Driver side door window regulator switch grounding	-
32	Driver side exterior rearview mirror left and right adjustment motor	-
33	Central locking switch status indicator light	-
34	Left front concealed door handle motor positive	-

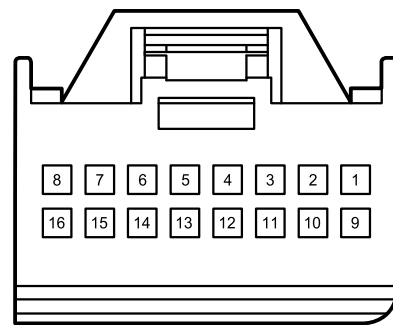
Pin	Functions	Note
35	Left front concealed door handle motor negative	-
36	Window locking indicator light	-
37	Locking signal	-
38	Door motor unlocking signals on the driver side	-
39	Left front concealed door handle power supply	-
40	Exterior rearview folding switch signal	-
41	Driver side exterior rearview mirror up and down adjustment motor	Domestic version
41	Driver side window glass up signal	Over-seas Edition
42	Driver side exterior rearview mirror motor common terminal	Domestic version
42	Driver side window glass down signal	Over-seas Edition
43	Driver side door handle sensor positive	-
44	Driver side door handle sensor negative	-
45	Front passenger side exterior rearview mirror left and right adjustment signal	-
46	Front passenger side exterior rearview mirror up and down adjustment signal	-
47	Grounding	-
48	Driver side door window regulator motor power supply	-
49	-	-

DR03a Driver side door lock motor harness connector



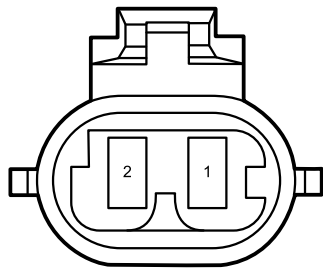
Pin	Functions	Note
1	Courtesy switch signal	-
2	-	-
3	Locking signal	-
4	Unlocking signal	-
5	Grounding	-
6	Door lock status signal	-

DR04 Driver side door window regulator switch harness connector



Pin	Functions	Note
1	Window locking switch signal	-
2	Window locking indicator light	-
3	-	-
4	Driver side glass lifting signal input	-
5	Driver side glass lifting signal output	-
6	Front passenger side glass lifting signal	-
7	Right rear glass lifting signal	-
8	Left rear glass lifting signal	-
9	Backlight power supply	-
10	Central lock switch/window regulator switch signal grounding	-
11	Central lock switch signal	-
12	-	-
13	Central lock status indicating signal	-
14	Grounding	-
15	-	-
16	-	-

DR05 Driver side door window regulator motor harness connector (for corrugated anti-pinch model)

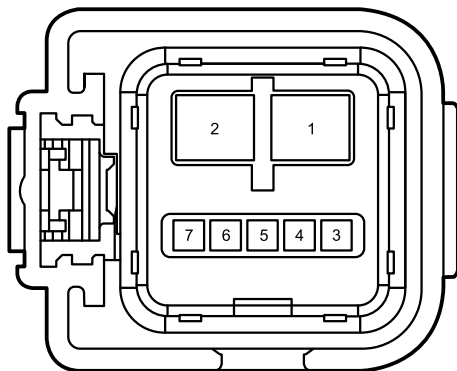
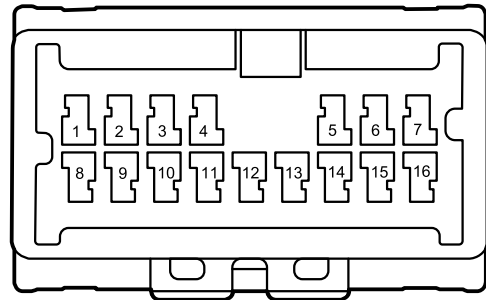


Pin	Functions	Note
1	Loudspeaker negative	-
2	-	-
3	Loudspeaker positive	-
4	-	-

DR08b harness connector for exterior rearview mirrors at driver side

Pin	Functions	Note
1	Motor up	-
2	Motor down	-

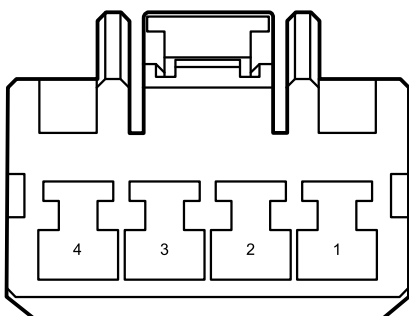
DR05a Driver side door window regulator motor harness connector (for four-door anti-pinch model)



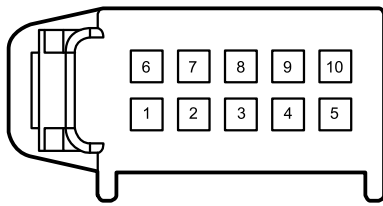
Pin	Functions	Note
1	Grounding	-
2	B+Power supply	-
3	Signal input	-
4	LIN communication	-
5	-	-
6	-	-
7	Signal output	-

DR06c Door woofer harness connector at driver side

Pin	Functions	Note
1	Common terminal for rearview mirror adjustment	-
2	Left-right adjustment of rearview mirrors	-
3	Up-down adjustment of rearview mirrors	-
4	Turn signal light power supply	-
5	Defroster/turn signal light grounding	-
6	Rearview mirror heating power supply	-
7	Rearview mirror folding	-
8	Unfolding of rearview mirrors	-
9	Blind spot monitoring indicator signal positive	-
10	Blind spot monitoring indicator signal negative	-
11	Position sensor power supply	-
12	Up and down memory position signal	-
13	Position sensor grounding	-
14	Left and right memory position signal	-
15	-	-
16	-	-



DR09 External rearview mirror adjustment switch harness connector

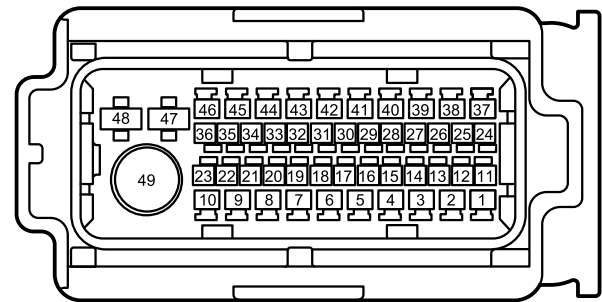
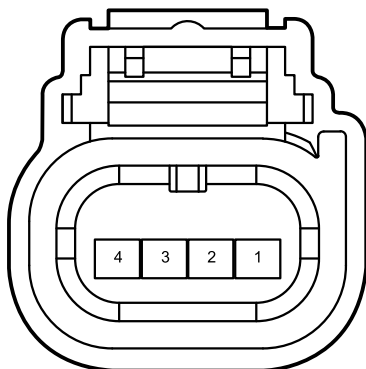


Pin	Functions	Note
1	Sensor positive	-
2	Sensor negative	-
3	-	-
4	-	-

DR11e Front passenger door harness to floor harness connector

Pin	Functions	Note
1	Backlight power supply	-
2	Rearview mirror folding switch signal	-
3	Grounding	-
4	Exterior rearview regulating common terminal	-
5	B+Power supply	-
6	Driver side exterior rearview mirror up and down adjustment	-
6	Driver side exterior rearview mirror left and right adjustment	Memory
7	Driver side exterior rearview mirror left and right adjustment	-
7	Driver side exterior rearview mirror up and down adjustment	Memory
8	Front passenger side exterior rearview up and down adjustment	-
9	Front passenger side exterior rearview mirror left and right adjustment	-
10	-	-

DR10d Driver side door handle sensor harness connector

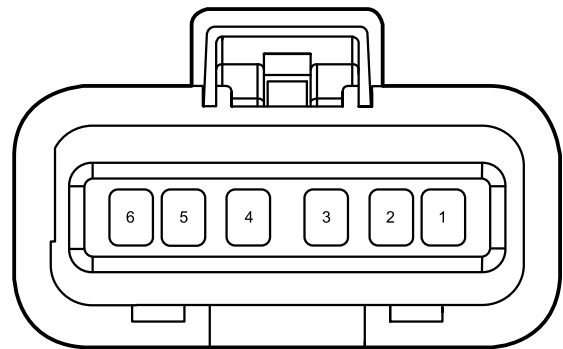


Pin	Functions	Note
1	Front passenger side door woofer positive	-
2	Front passenger side door woofer negative	-
3	Rearview mirror heating power supply	-
4	Front passenger side external rearview mirror turn signal light power supply	-
5	Rearview mirror folding	-
6	Door handle indicator power supply	-
7	Front passenger side door ambient light power supply	-
8	Front passenger side door window regulator switch signal output	-
9	Right front concealed door handle upwarp signal	-
10	Right front concealed door handle shut-off signal	-
11	Unfolding of rearview mirrors	-
12	Front passenger side door window regulator switch signal output	-
13	-	-
14	Front passenger side door window regulator switch backlight signal	-
15	-	-

Pin	Functions	Note
16	-	-
17	-	-
18	LIN communication	-
19	Courtesy switch signal at front passenger side	-
20	Front passenger side door lock status signal	-
21	Front passenger side blind monitoring spot indicator positive	-
22	Memory sensor power supply	-
23	LIN communication (front passenger side door ambient light)	-
24	Blind spot monitoring indicator signal negative	-
25	Front passenger side exterior rearview mirror up and down position signal	-
26	Front passenger side exterior rearview mirror left and right position signal	-
27	Exterior rearview mirror memory sensor grounding	-
28	Front passenger side exterior rearview up and down adjustment motor	-
29	Front passenger side exterior rearview left and right adjustment motor	-
30	Front passenger side exterior rearview mirror motor common terminal	-
31	-	-
32	-	-
33	-	-
34	Right front concealed door handle motor positive	-
35	Right front concealed door handle motor negative	-
36	-	-
37	Locking signal	-
38	Unlocking signal	-
39	Front passenger side window glass up signal	-
40	Front passenger side window glass down signal	-
41	-	-
42	-	-

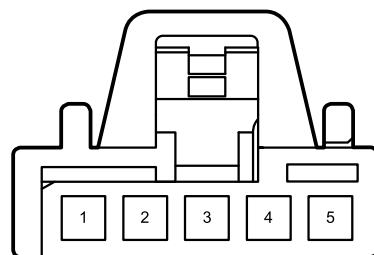
Pin	Functions	Note
43	Front passenger side door handle sensor positive	-
44	Front passenger side door handle sensor negative	-
45	-	-
46	-	-
47	Grounding	-
48	Power supply of front passenger side door window regulator motor	-
49	-	-

DR13a harness connector for door lock motor at front passenger side



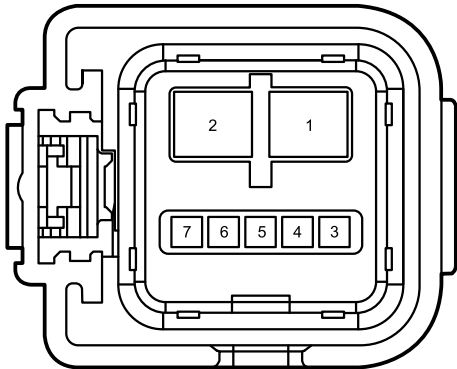
Pin	Functions	Note
1	Courtesy switch signal	-
2	-	-
3	Unlocking signal	-
4	Locking signal	-
5	Grounding	-
6	Door lock status signal	-

DR14 Front passenger side door window regulator switch harness connector



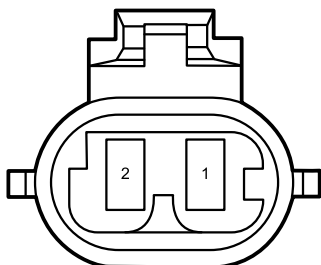
Pin	Functions	Note
1	Backlight light grounding	-
2	Backlight power supply	-
3	Signal input	-
4	Signal output	-
5	-	-

DR15a Front passenger side door window regulator motor harness connector (for four-door anti-pinch model)



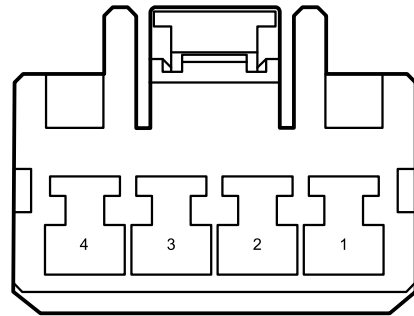
Pin	Functions	Note
1	Grounding	-
2	B+Power supply	-
3	Signal input	-
4	LIN Communication	-
5	-	-
6	-	-
7	Signal output	-

DR15b Front passenger side door window regulator motor harness connector (for corrugated anti-pinch model)



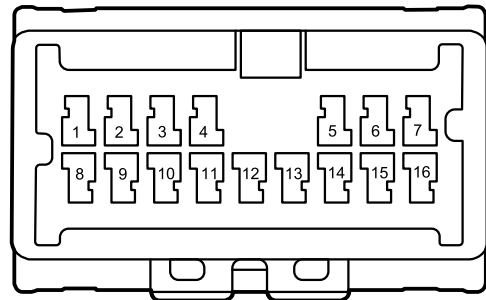
Pin	Functions	Note
1	Motor up	-
2	Motor down	-

DR16c Door woofer harness connector at front passenger side



Pin	Functions	Note
1	Loudspeaker negative	-
2	-	-
3	Loudspeaker positive	-
4	-	-

DR18c Front passenger side external rearview mirror harness connector

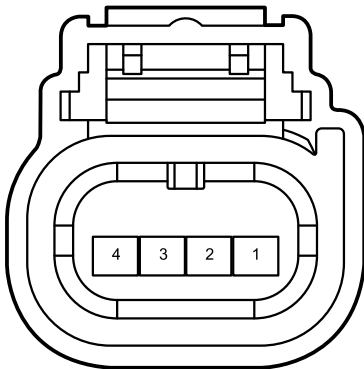


Pin	Functions	Note
1	Common terminal for rearview mirror adjustment	-
2	Left-right adjustment of rearview mirrors	-
3	Up-down adjustment of rearview mirrors	-
4	Turn signal light power supply	-
5	Defroster/turn signal grounding	-
6	Rearview mirror heating power supply	-
7	Rearview mirror folding	-
8	Unfolding of rearview mirrors	-
9	Blind spot monitoring indicator signal positive	-

Pin	Functions	Note
10	Blind spot monitoring indicator signal negative	-
11	Position sensor power supply	-
12	Up and down memory position signal	-
13	Position sensor grounding	-
14	Left and right memory position signal	-
15	-	-
16	-	-

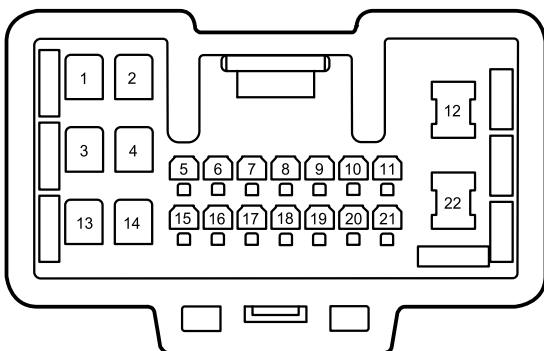
Pin	Functions	Note
5	Left rear concealed door handle motor positive	-
6	Door handle indicator power supply	-
7	-	-
8	Left rear door window regulator switch signal output	-
9	Left rear concealed door handle upwarp signal	-
10	Left rear concealed door handle shut-off signal	-
11	Left rear concealed door handle motor negative	-
12	B+Power supply	-
13	Left rear loudspeaker negative	-
14	Left rear loudspeaker positive	-
15	LIN Communication	-
16	Left rear door window regulator switch backlight signal	-
17	Left rear door control switch signal	-
18	Left rear door lock status signal	-
19	Left rear door window regulator switch signal output	-
20	-	-
21	-	-
22	Grounding	-

DR20d Front passenger side door handle sensor harness connector



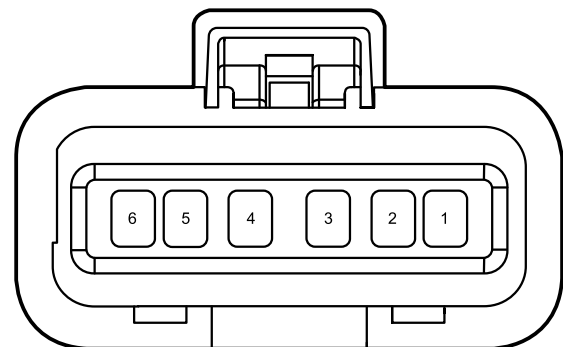
Pin	Functions	Note
1	Sensor positive	-
2	Sensor negative	-
3	-	-
4	-	-

DR21e Left rear door harness to floor harness connector



Pin	Functions	Note
1	Locking signal	-
2	Unlocking signal	-
3	Left rear door window up signal	-
4	Left rear door window down signal	-

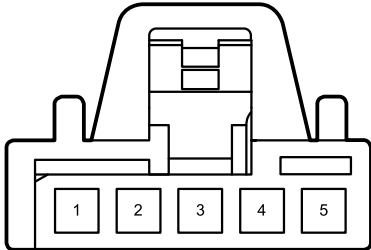
DR23a Left rear door lock motor harness connector



Pin	Functions	Note
1	Courtesy switch signal	-
2	-	-
3	Locking signal	-
4	Unlocking signal	-

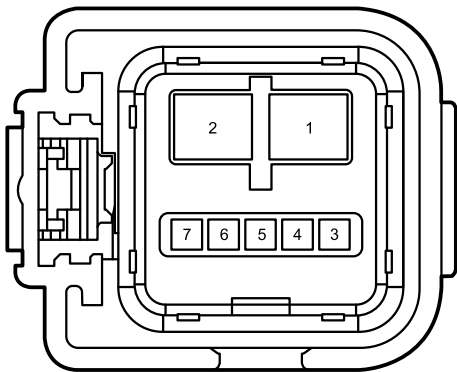
Pin	Functions	Note
5	Grounding	-
6	Door lock status signal	-

DR24 Left rear door window regulator switch harness connector



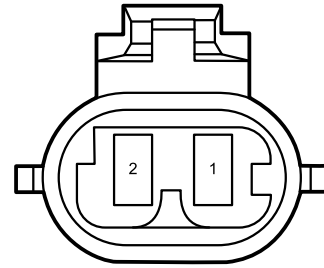
Pin	Functions	Note
1	Backlight grounding	-
2	Backlight power supply	-
3	Signal input	-
4	Signal output	-
5	-	-

DR25a Left rear door window regulator motor harness connector (for four-door anti-pinch model)



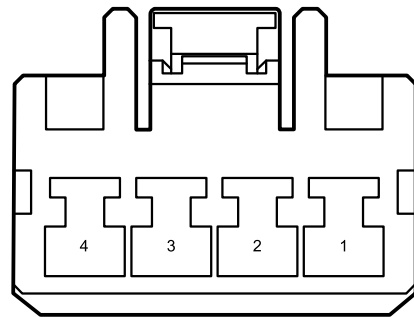
Pin	Functions	Note
1	Grounding	-
2	B+Power supply	-
3	Signal input	-
4	LIN Communication	-
5	-	-
6	-	-
7	Signal output	-

DR25b Left rear door window regulator motor harness connector (for corrugated anti-pinch model)



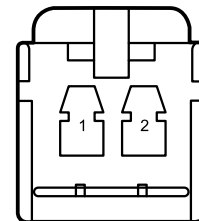
Pin	Functions	Note
1	Motor up	-
2	Motor down	-

DR26b Left rear door woofer harness connector



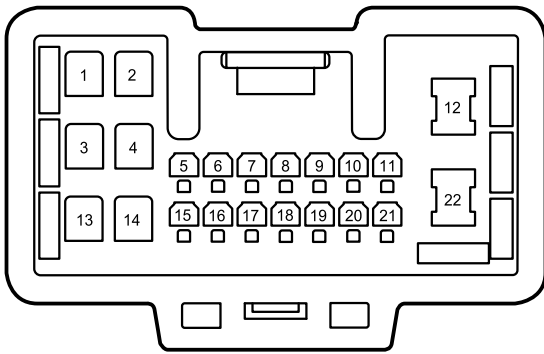
Pin	Functions	Note
1	Loudspeaker negative	-
2	-	-
3	Loudspeaker positive	-
4	-	-

DR27a Left rear door tweeter harness connector



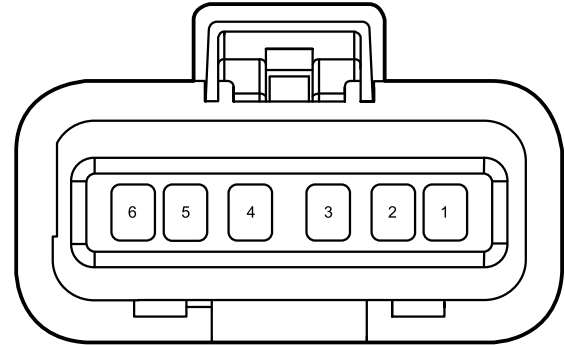
Pin	Functions	Note
1	Loudspeaker negative	-
2	Loudspeaker positive	-

DR31e Rear right door to floor harness connector



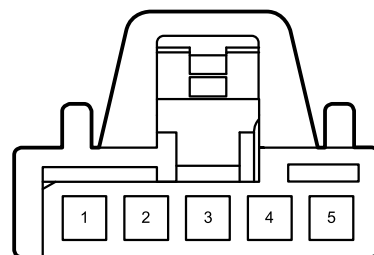
Pin	Functions	Note
21	-	-
22	Grounding	-

DR33a Rear right door lock motor harness connector



Pin	Functions	Note
1	Courtesy switch signal	-
2	-	-
3	Unlocking signal	-
4	Locking signal	-
5	Grounding	-
6	Door lock status signal	-

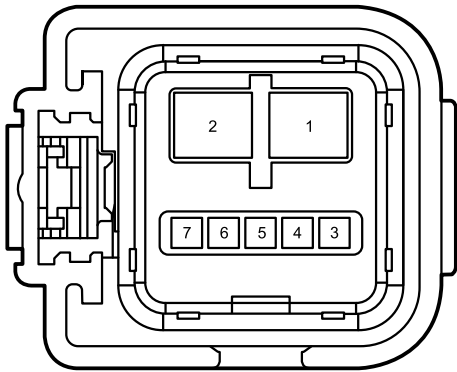
DR34 Rear right door window regulator switch harness connector



Pin	Functions	Note
1	Backlight grounding	-
2	Backlight power supply	-
3	Signal input	-
4	Signal output	-
5	-	-

DR35a Right rear door window regulator motor harness connector (for four-door anti-pinch model)

Pin	Functions	Note
1	Locking signal	-
2	Unlocking signal	-
3	Right rear door loudspeaker signal positive	-
4	Right rear door loudspeaker signal negative	-
5	Right rear concealed door handle motor positive	-
6	Door handle indicator power supply	-
7	-	-
8	Right rear door window regulator switch signal output	-
9	Right rear concealed door handle upwarp signal	-
10	Right rear concealed door handle shut-off signal	-
11	Right rear concealed door handle motor negative	-
12	B+Power supply	-
13	LIN Communication	Domestic version
13	Right rear door window up signal	Over-seas Edition
14	Rear right door window down signal	-
15	Right rear door window regulator switch signal output	-
16	Right rear door window regulator switch backlight signal	-
17	Right rear door control switch signal	-
18	Rear right door lock status signal	-
19	-	-
20	-	-

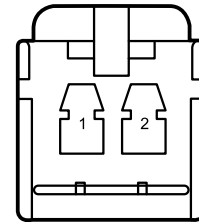


Pin	Functions	Note
1	Loudspeaker negative	-
2	-	-
3	Loudspeaker positive	-
4	-	-

DR37a Rear right door tweeter harness connector

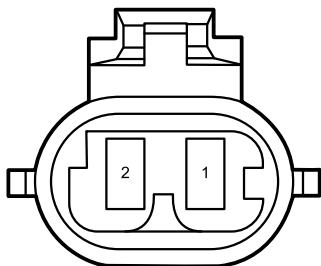
Pin	Functions	Note
1	Grounding	-
2	B+Power supply	-
3	Signal input	-
4	LIN Communication	-
5	-	-
6	-	-
7	Signal output	-

DR35b Right rear door window regulator motor harness connector (for corrugated anti-pinch model)



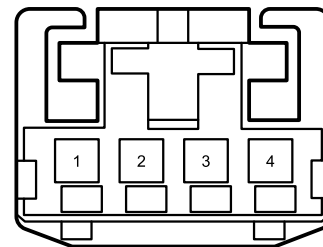
Pin	Functions	Note
1	Loudspeaker negative	-
2	Loudspeaker positive	-

DR41b Driver side door ambient light harness connector



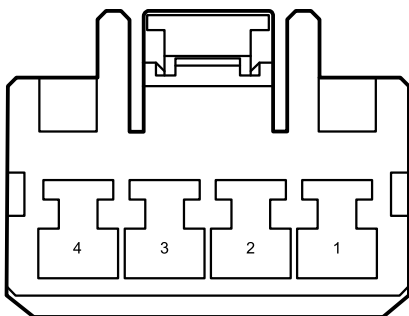
Pin	Functions	Note
1	Motor up	-
2	Motor down	-

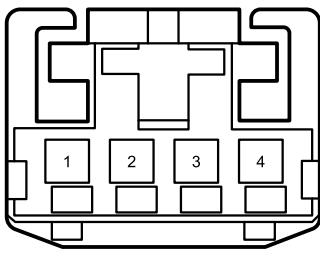
DR36b Rear right door woofer harness connector



Pin	Functions	Note
1	-	-
2	B+Power supply	-
3	Grounding	-
4	LIN Communication	-

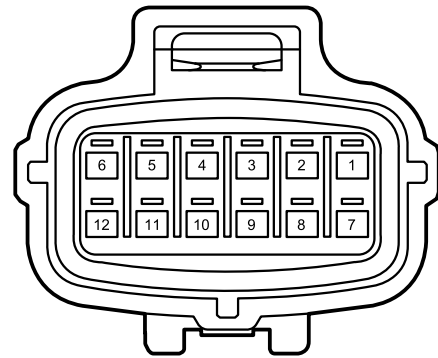
DR46b front passenger side door atmosphere light harness connector





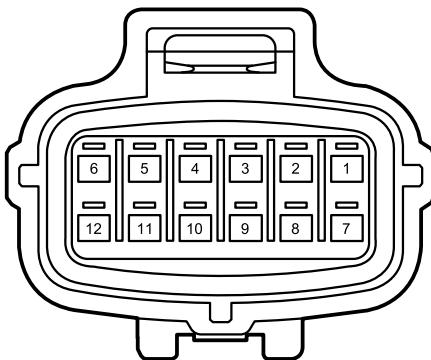
Pin	Functions	Note
1	-	-
2	B+Power supply	-
3	Grounding	-
4	LIN Communication	-

DR91 Left front concealed door handle harness connector



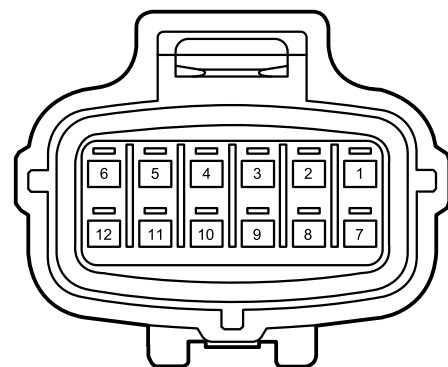
Pin	Functions	Note
1	Motor positive	-
2	Door handle indicator power supply	-
3	-	-
4	-	-
5	Door handle upwarp signal output	-
6	Door handle shut-off signal output	-
7	Motor negative	-
8	Door handle indicator grounding	-
9	-	-
10	-	-
11	Door handle upwarp signal grounding	-
12	Door handle shut-off signal grounding	-

DR93 Left rear concealed door handle harness connector



Pin	Functions	Note
1	Motor positive	-
2	Door handle indicator power supply	-
3	B+Power supply	-
4	Door handle status sensor signal	-
5	Door handle upwarp signal output	-
6	Door handle shut-off signal output	-
7	Motor negative	-
8	Door handle indicator grounding	-
9	Door handle status sensor grounding	-
10	-	-
11	Door handle upwarp signal grounding	-
12	Door handle shut-off signal grounding	-

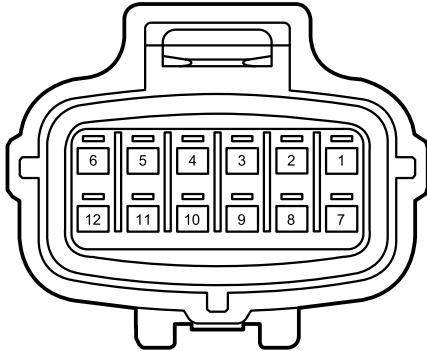
DR92 Right front concealed door handle harness connector



Pin	Functions	Note
1	Motor positive	-
2	Door handle indicator power supply	-
3	-	-
4	-	-
5	Door handle upwarp signal output	-
6	Door handle shut-off signal output	-
7	Motor negative	-

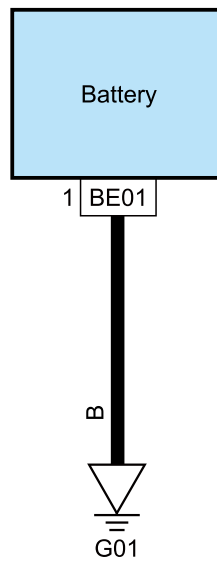
Pin	Functions	Note
8	Door handle indicator grounding	-
9	-	-
10	-	-
11	Door handle upwarp signal grounding	-
12	Door handle shut-off signal grounding	-

DR94 Right rear concealed door handle harness connector

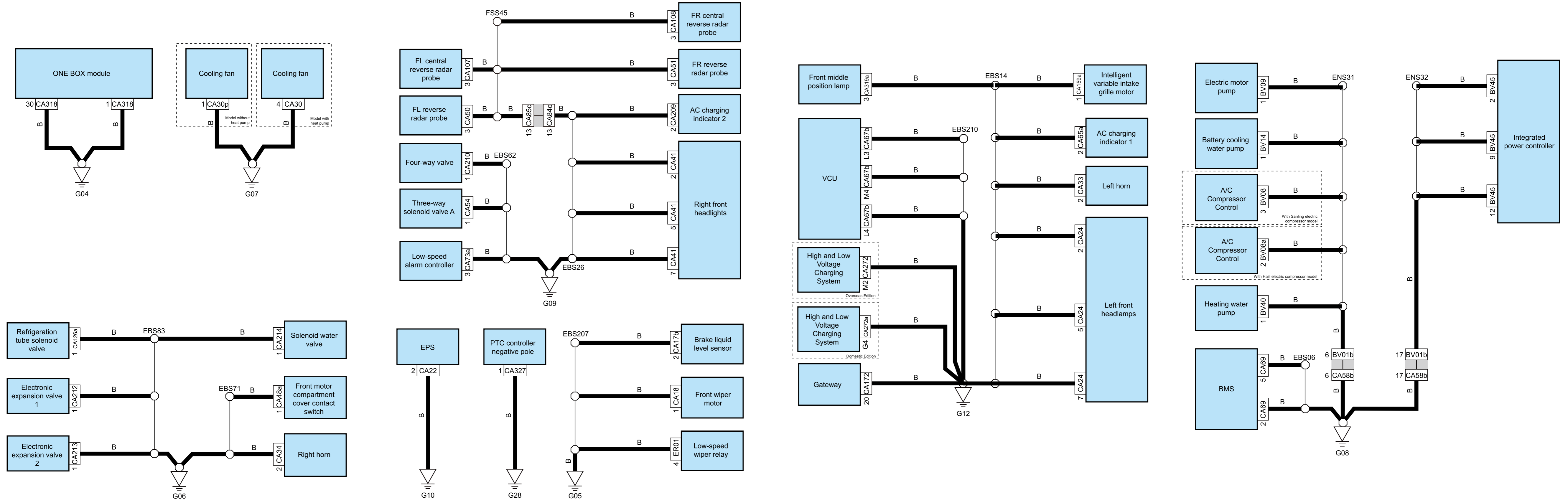


Pin	Functions	Note
1	Motor positive	-
2	Door handle indicator power supply	-
3	-	-
4	-	-
5	Door handle upwarp signal output	-
6	Door handle shut-off signal output	-
7	Motor negative	-
8	Door handle indicator grounding	-
9	-	-
10	-	-
11	Door handle upwarp signal grounding	-
12	Door handle shut-off signal grounding	-

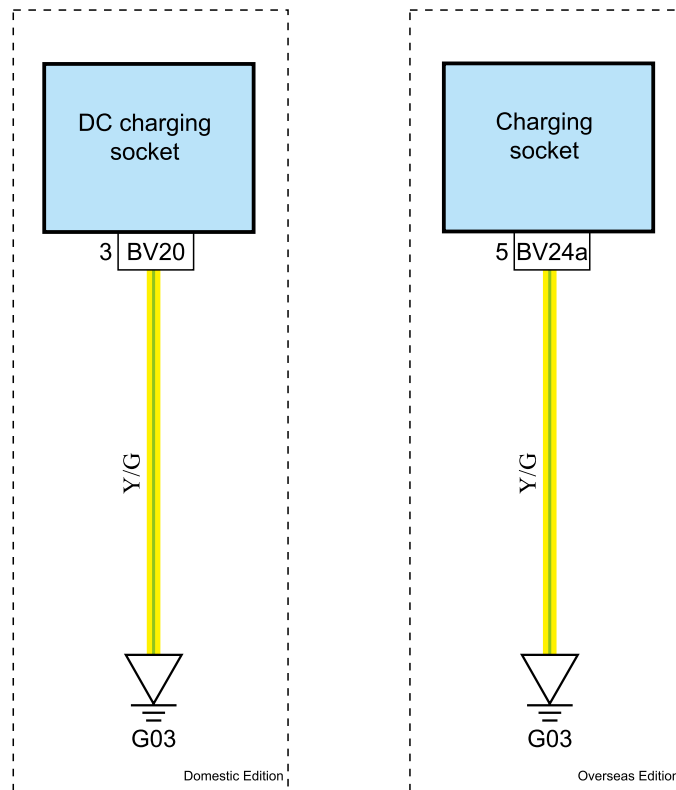
Battery negative harness grounding



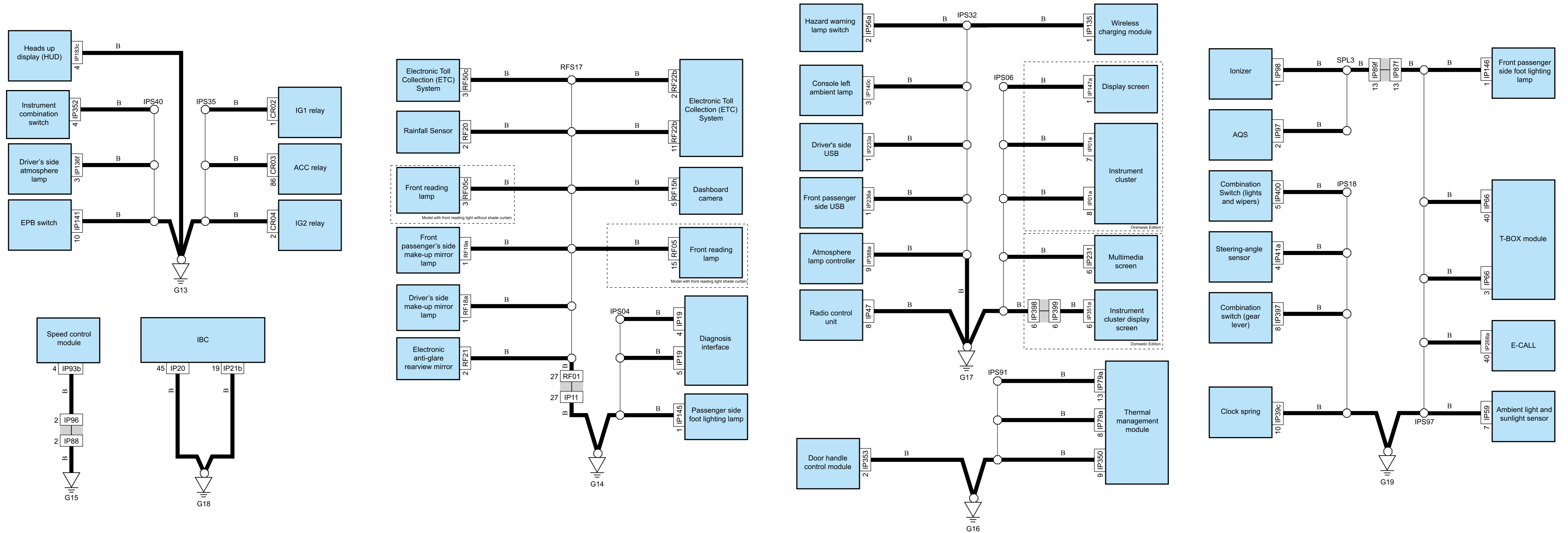
Front engine compartment harness grounding



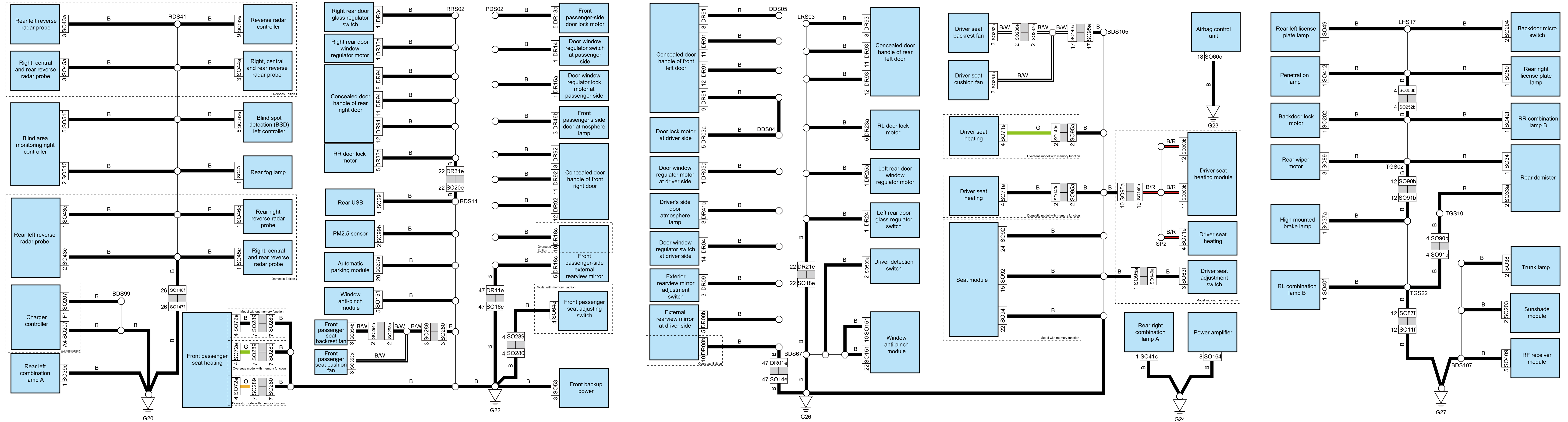
Power harness grounding



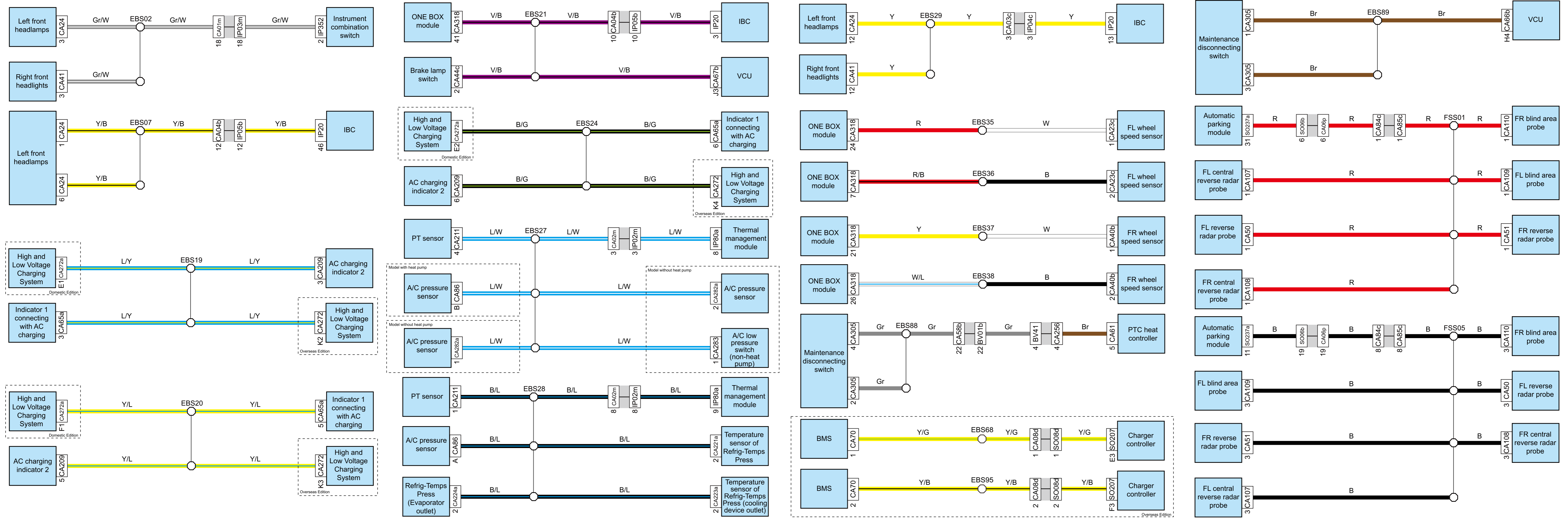
Instrument harness grounding



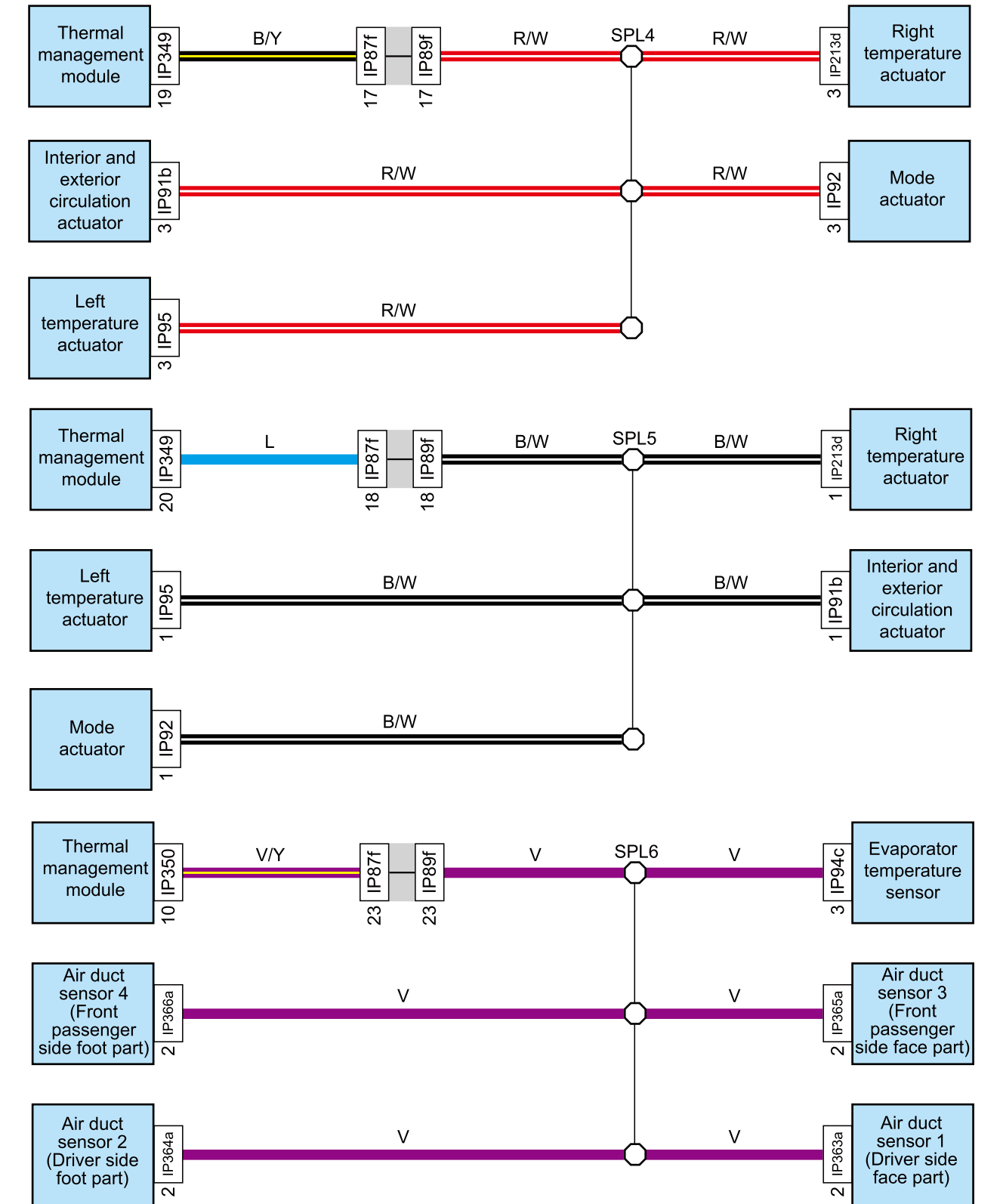
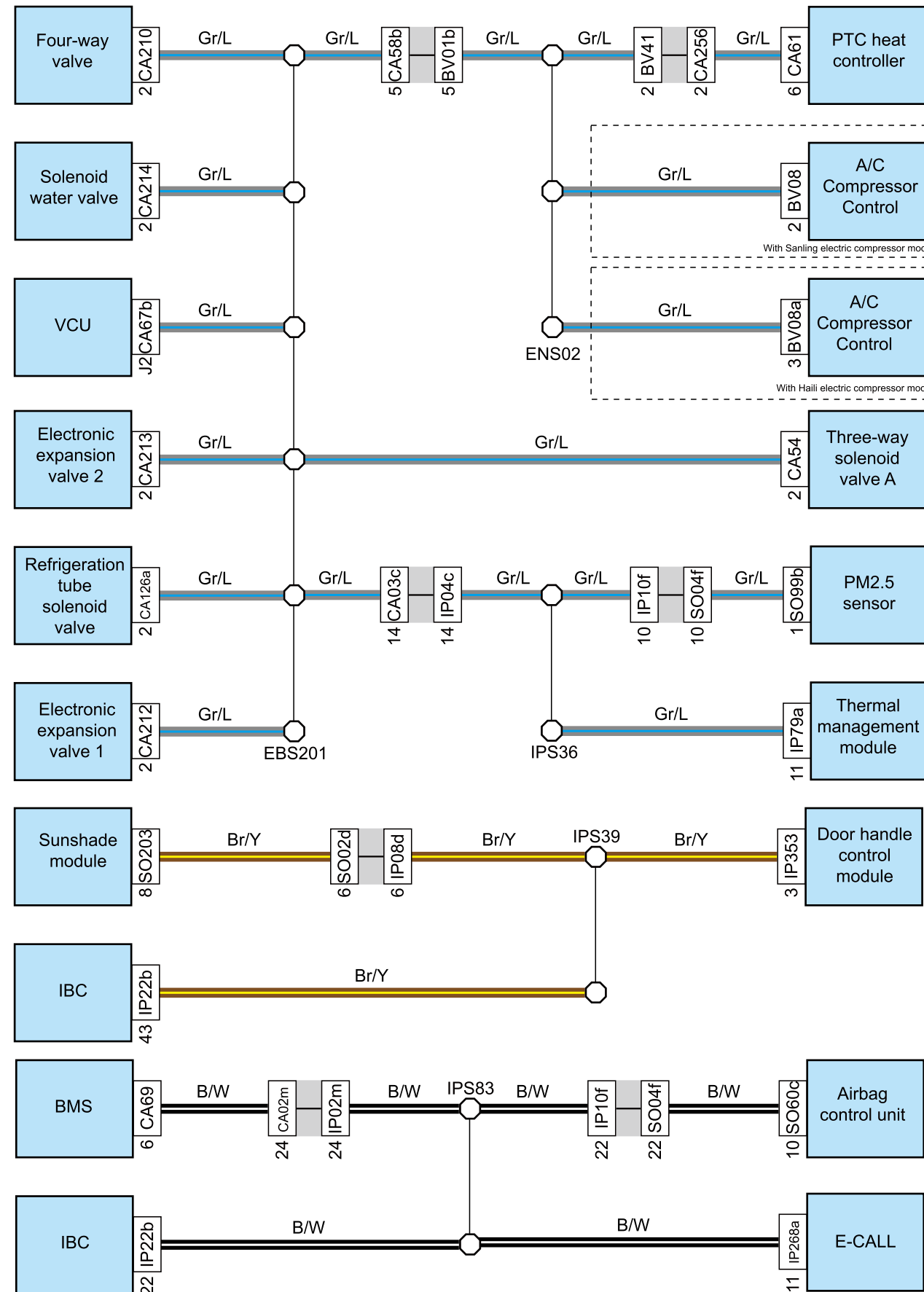
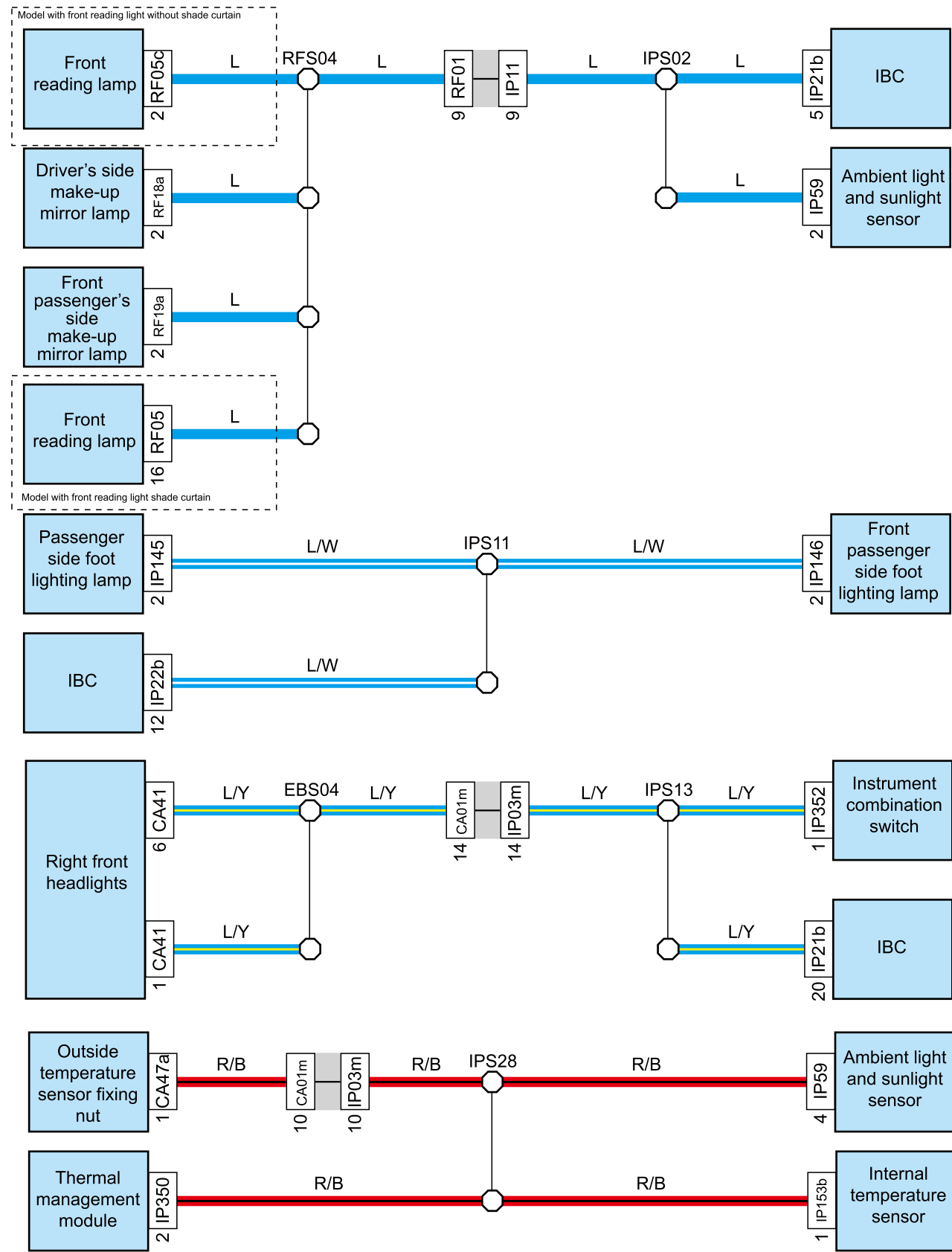
Floor harness grounding



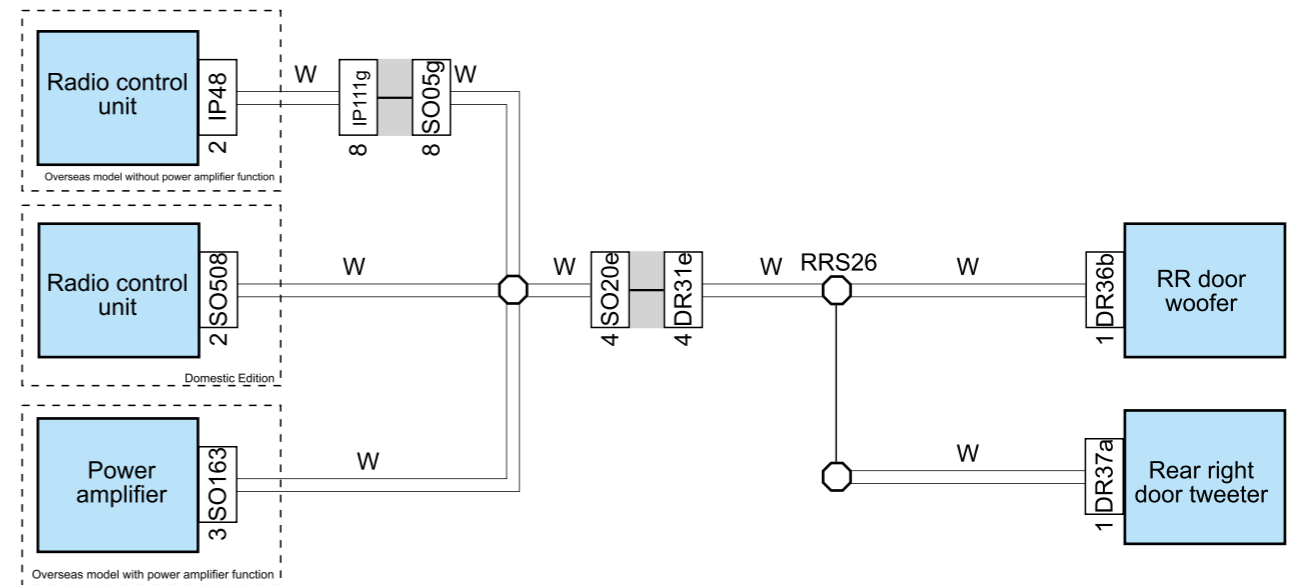
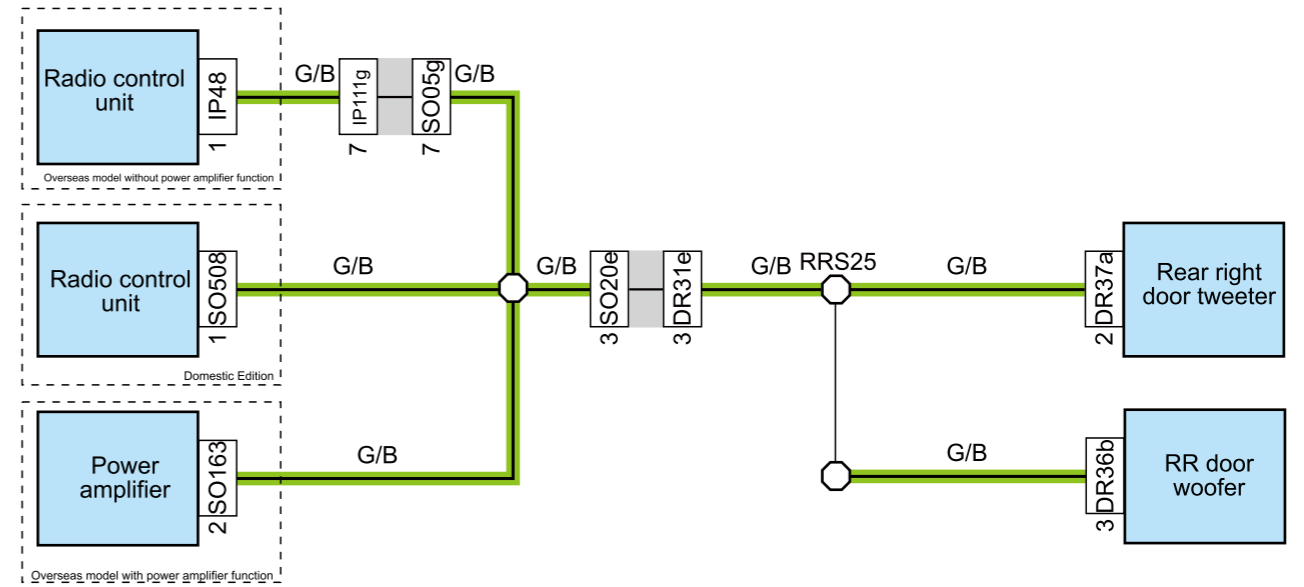
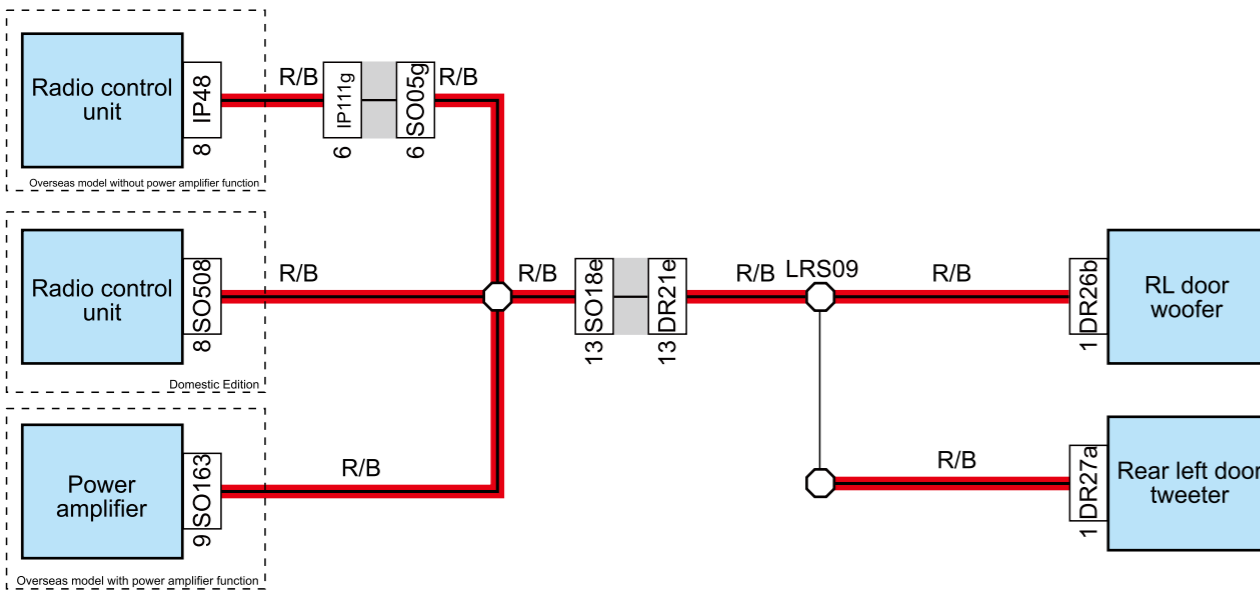
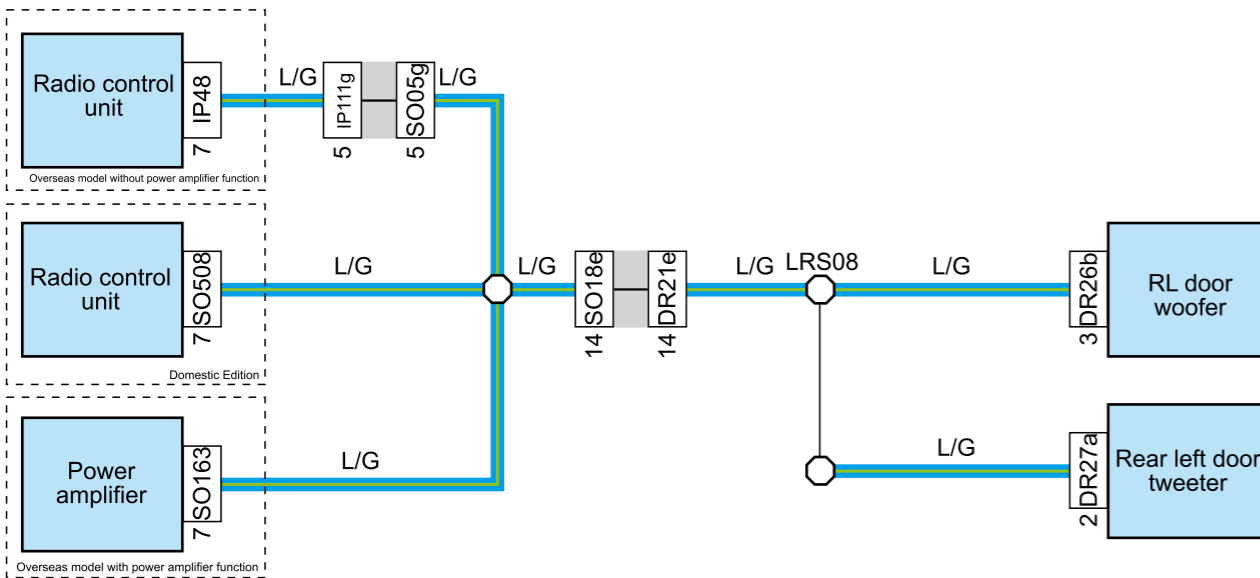
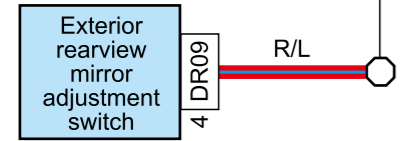
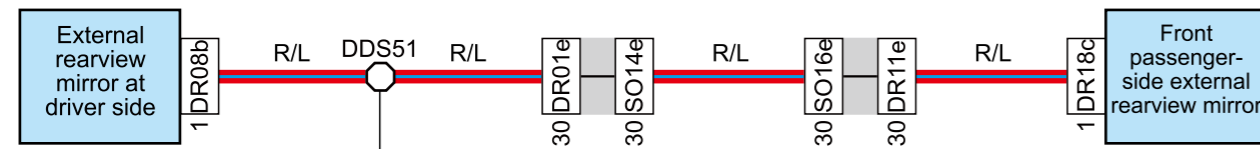
Front engine compartment harness node layout



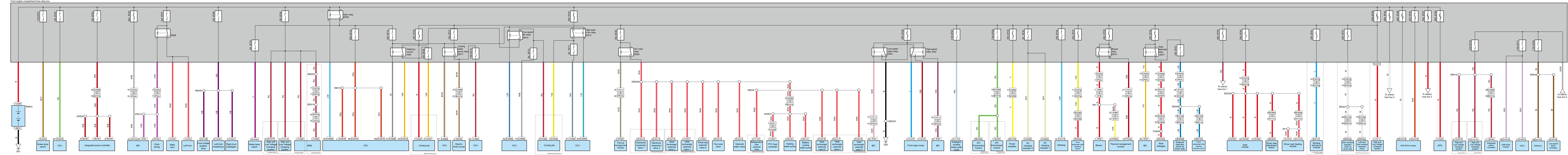
Instrument harness node layout



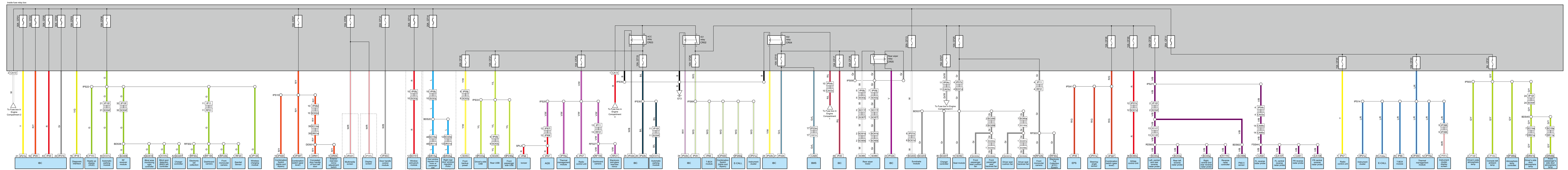
Door harness node layout



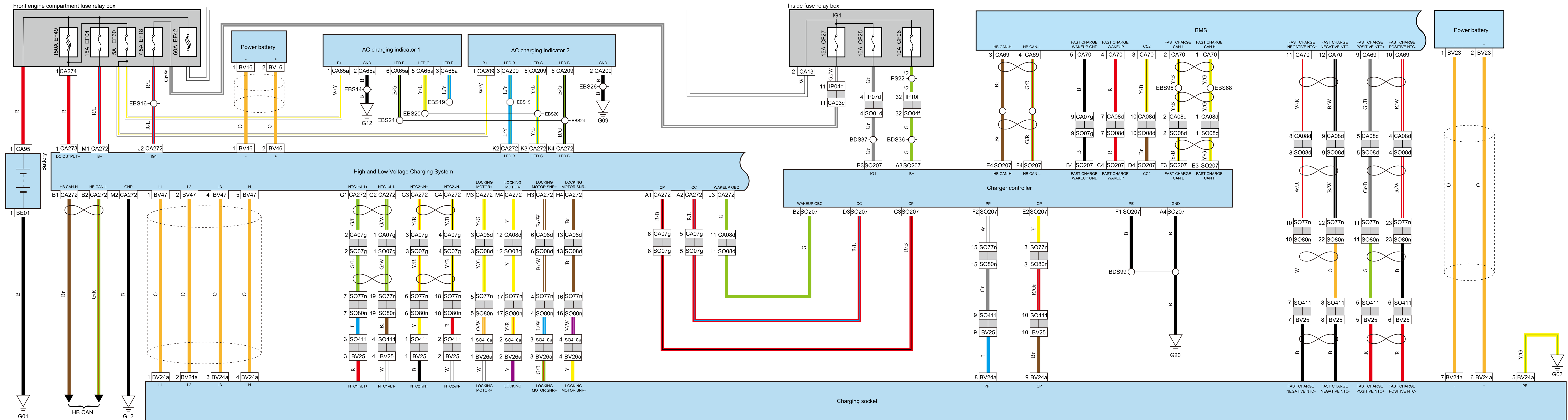
Front engine compartment power supply layout



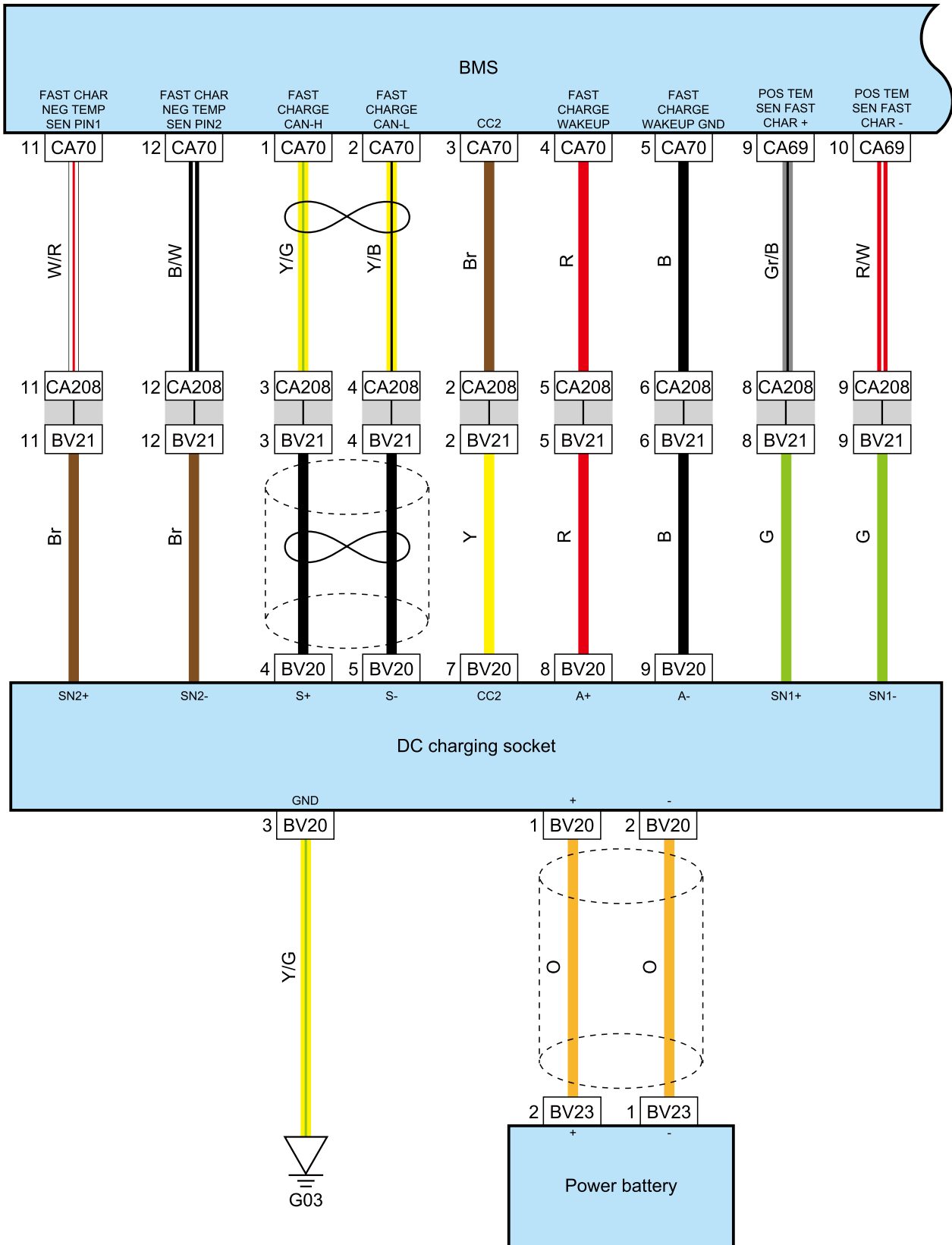
Indoor power supply layout



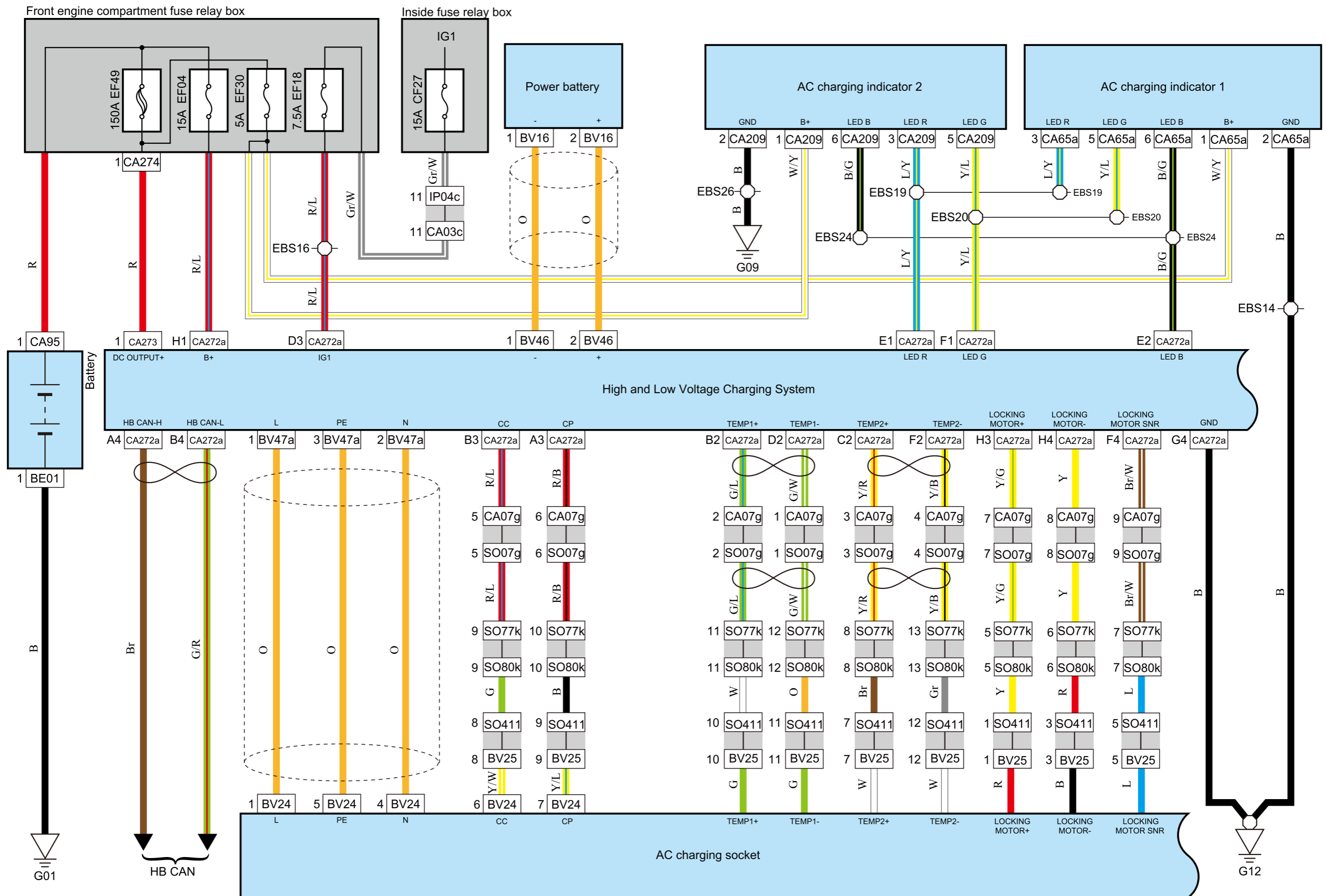
Charging system (overseas)



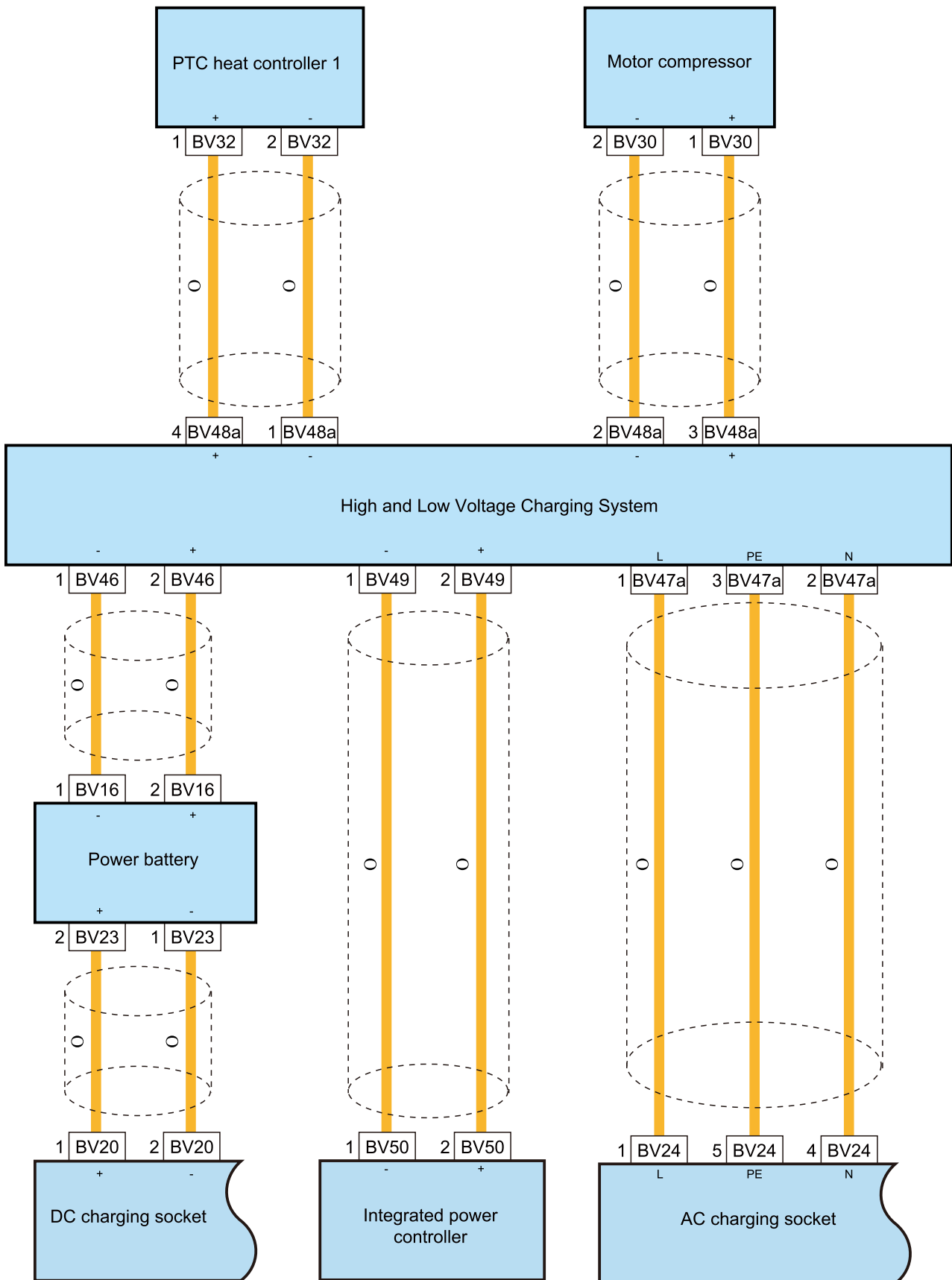
DC charging (domestic)



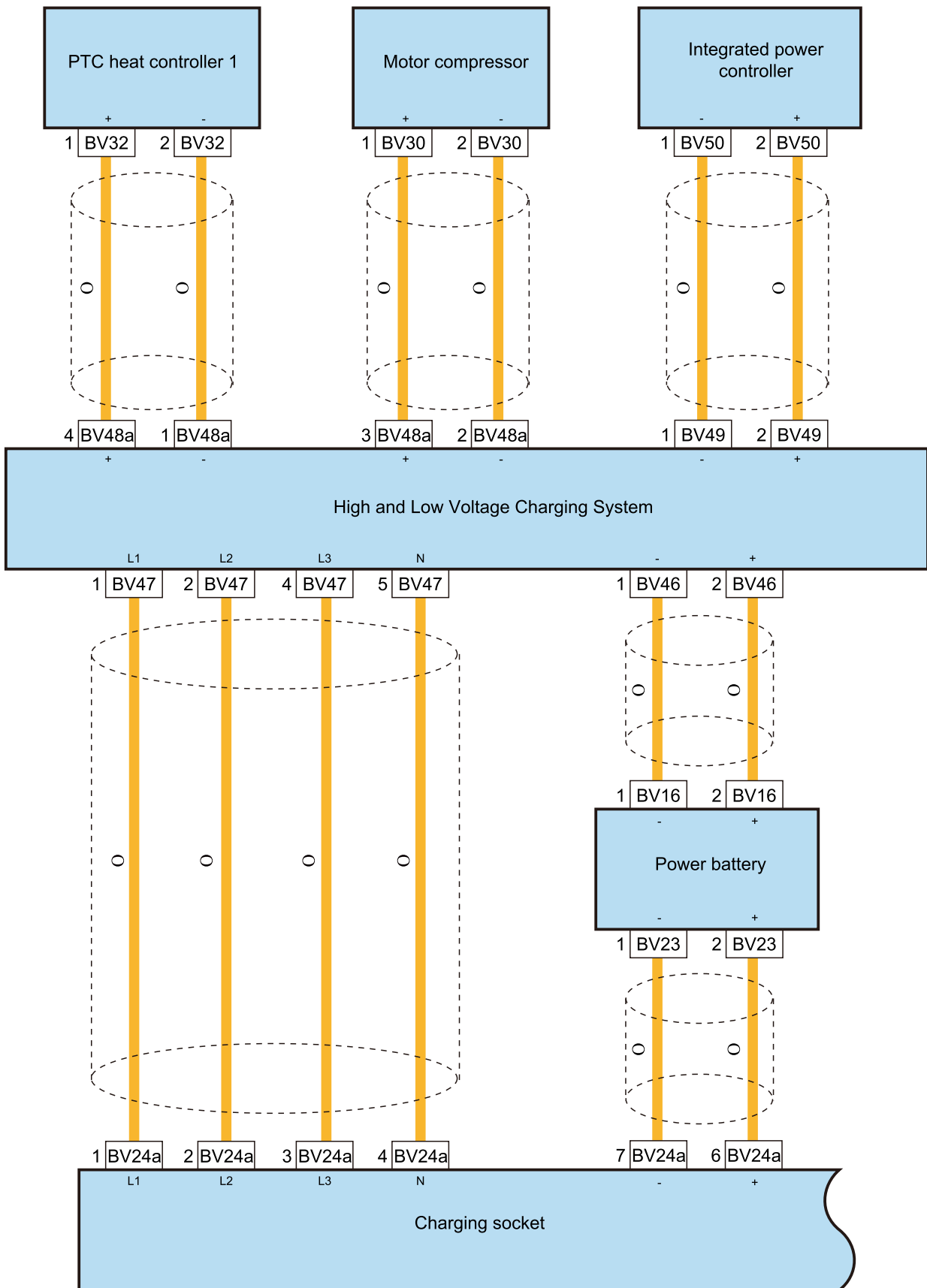
AC charging (domestic)



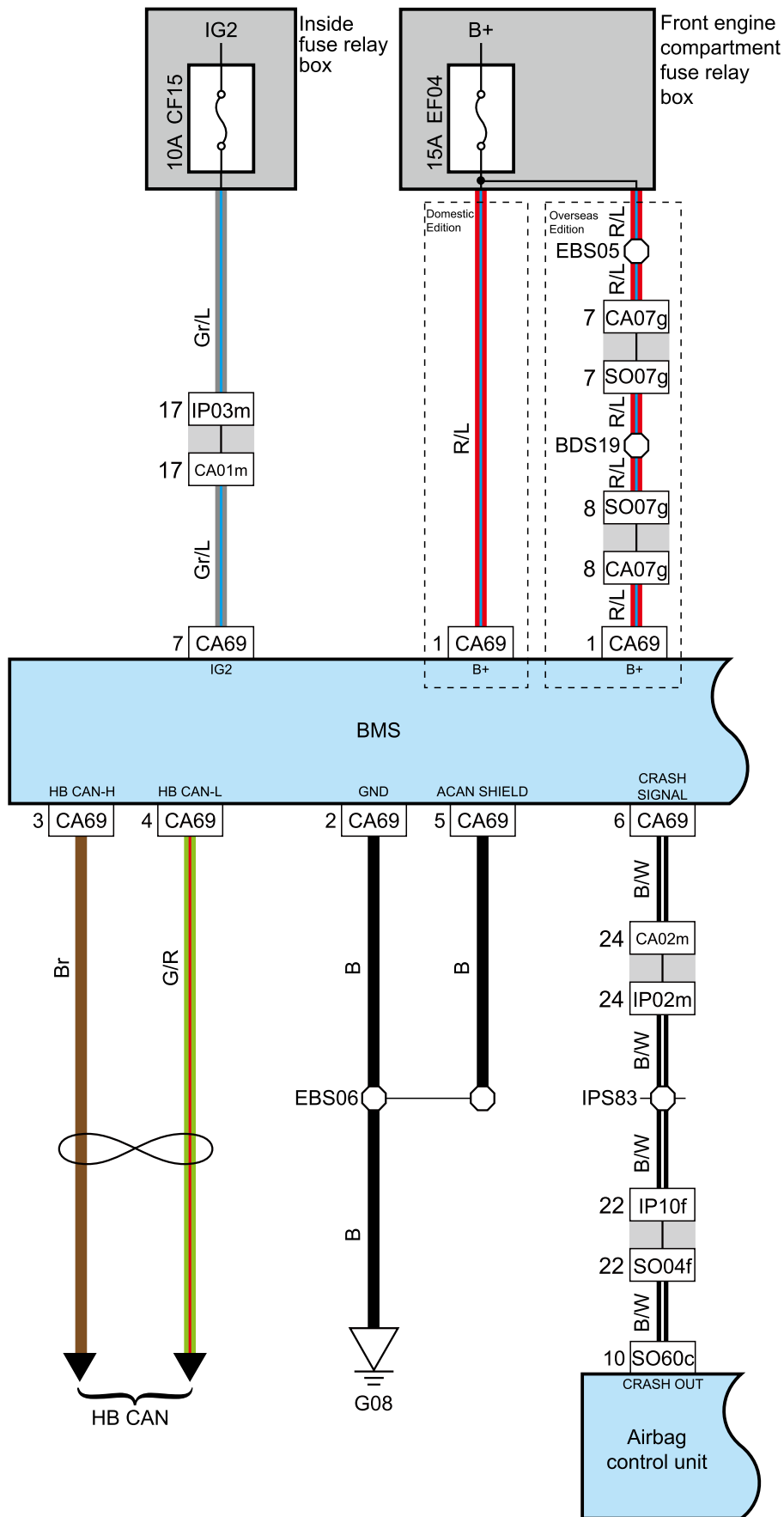
High voltage distribution system (domestic)



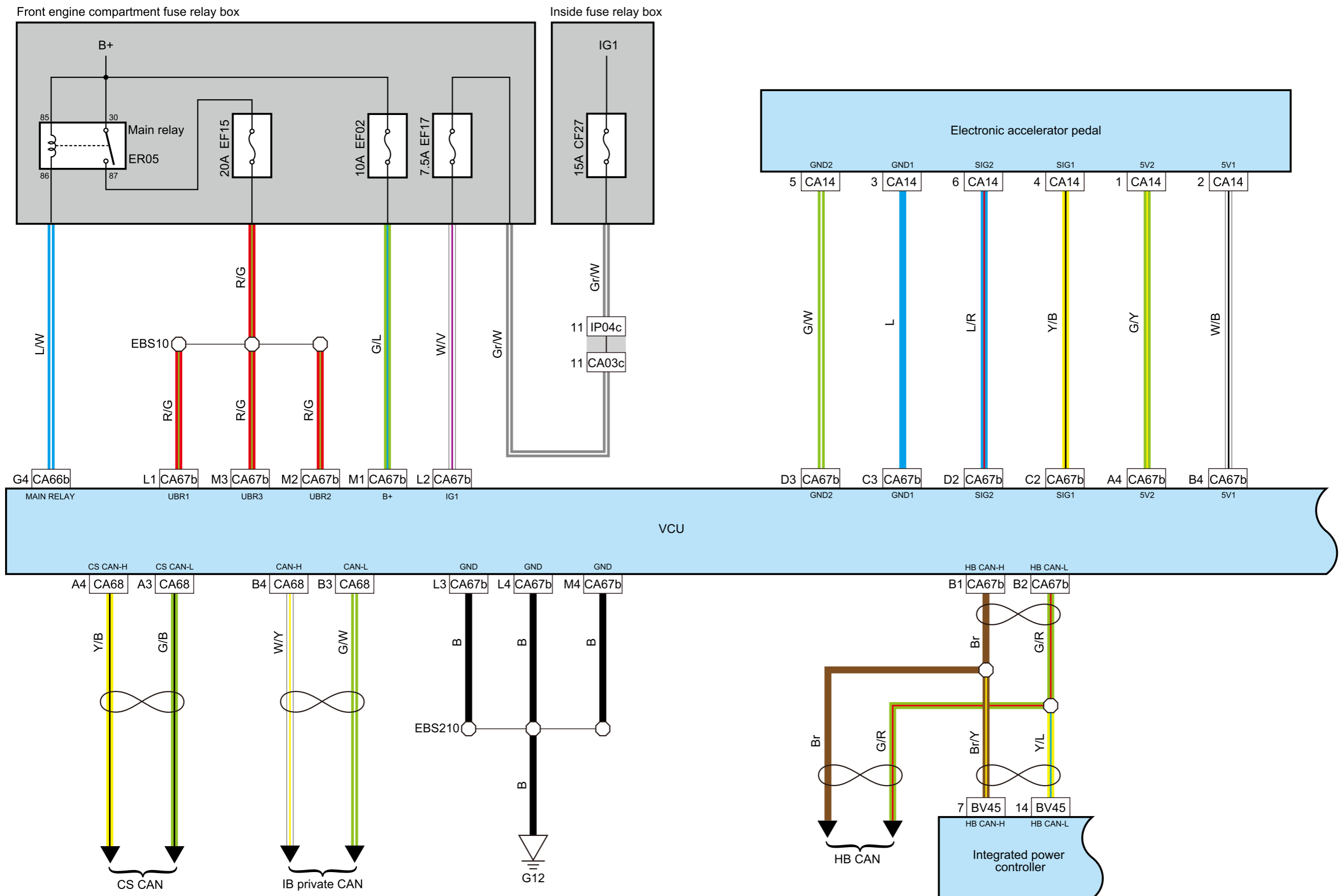
High voltage distribution system (overseas)



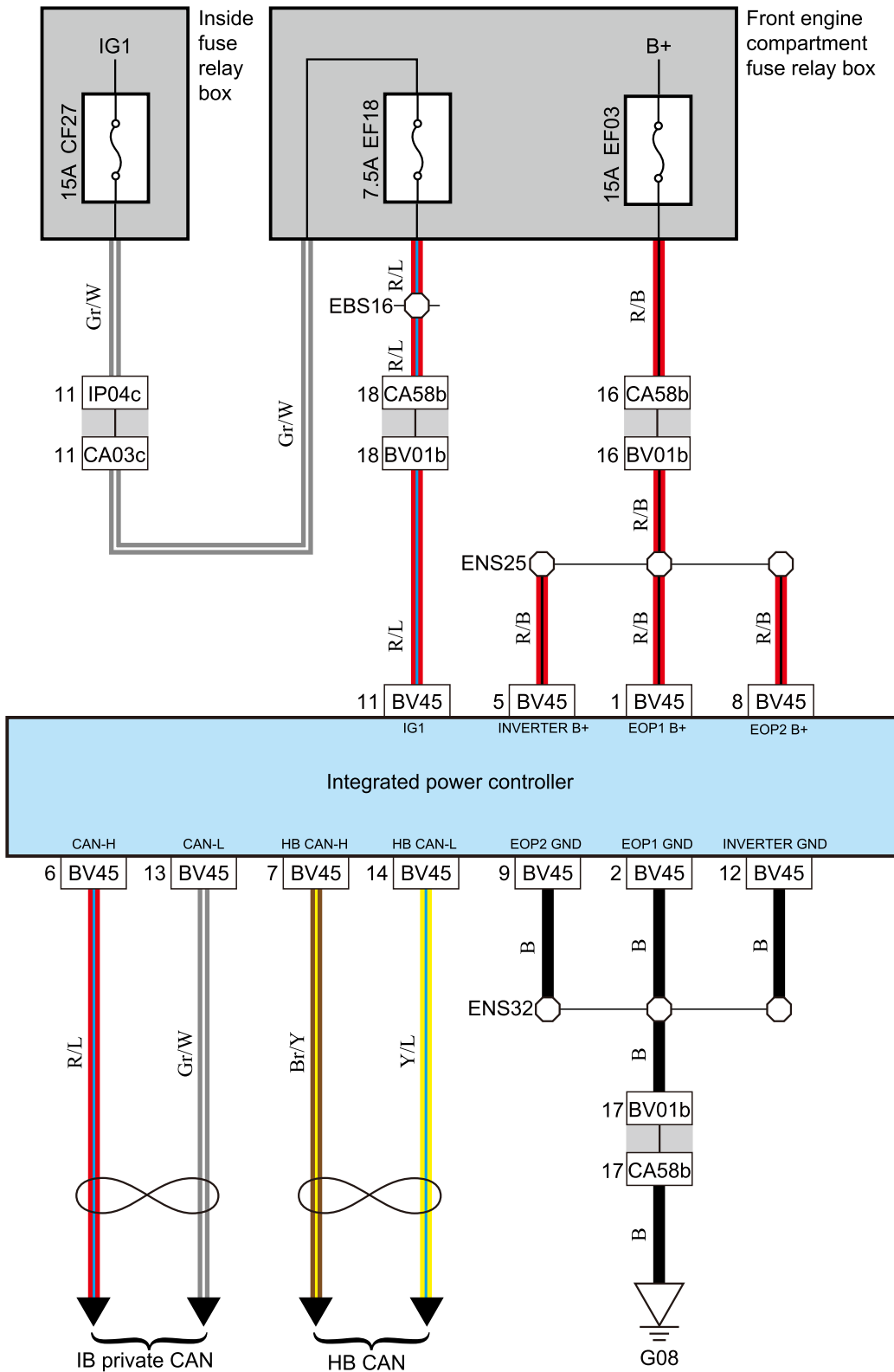
Power battery control system



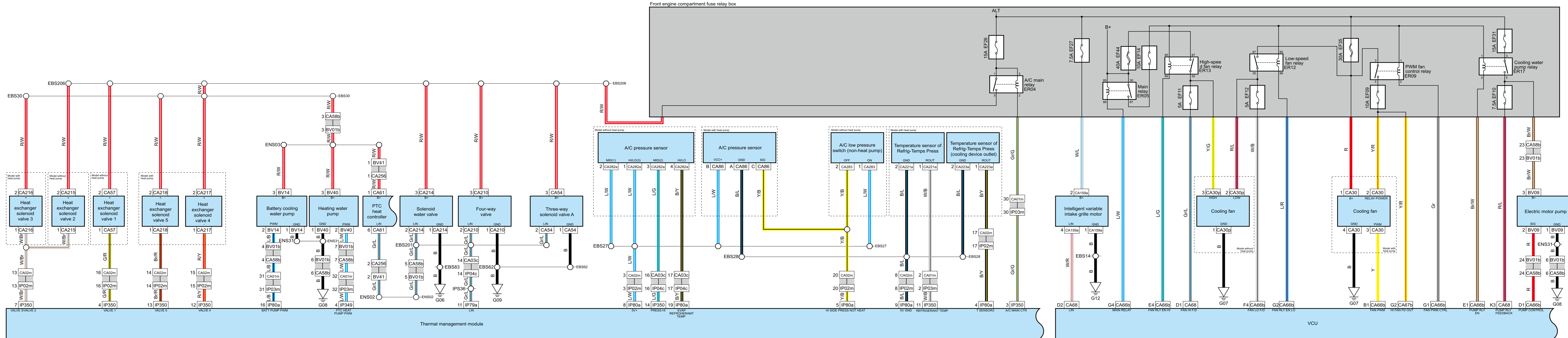
Vehicle control system



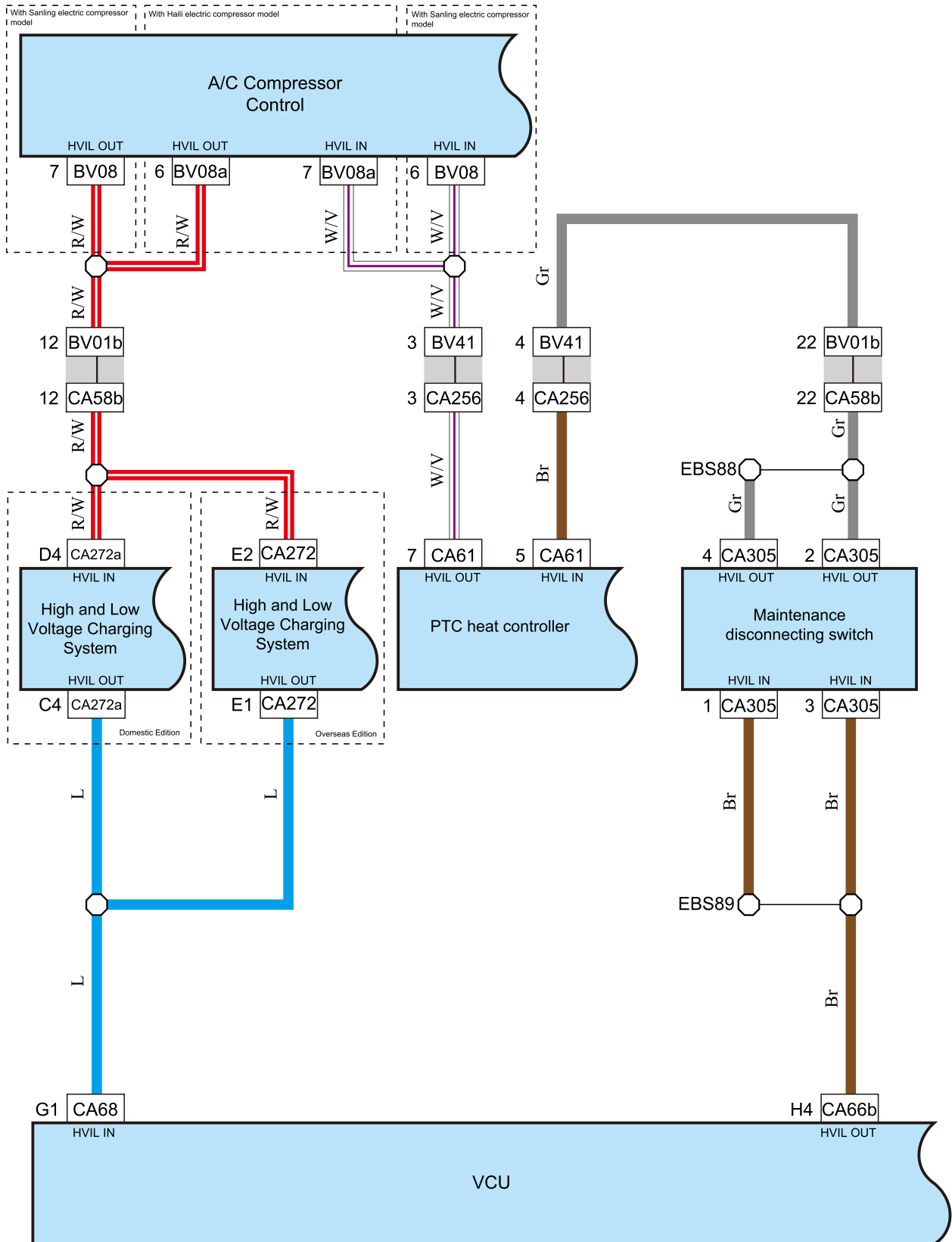
Integrated power control system



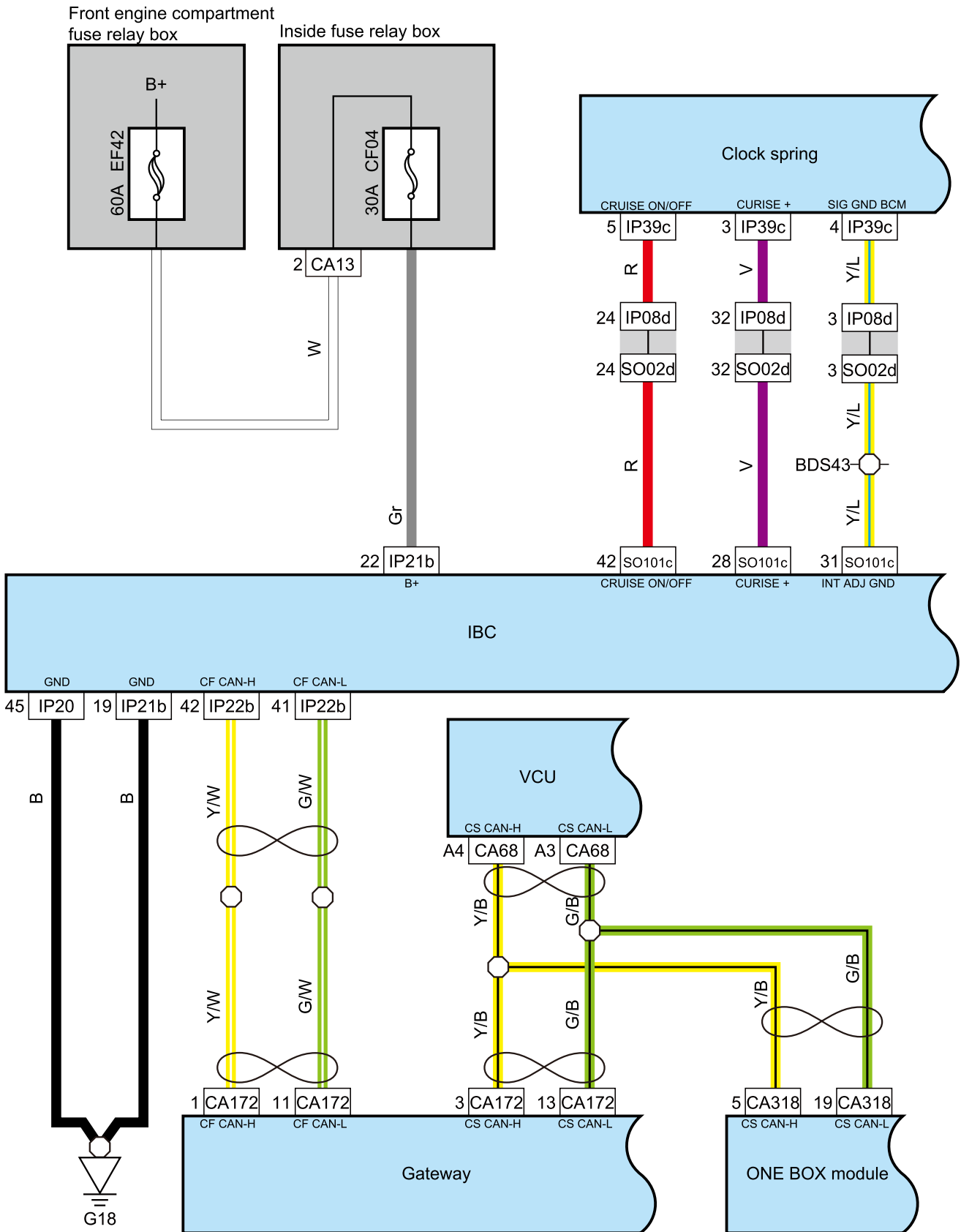
Heat exchange control system



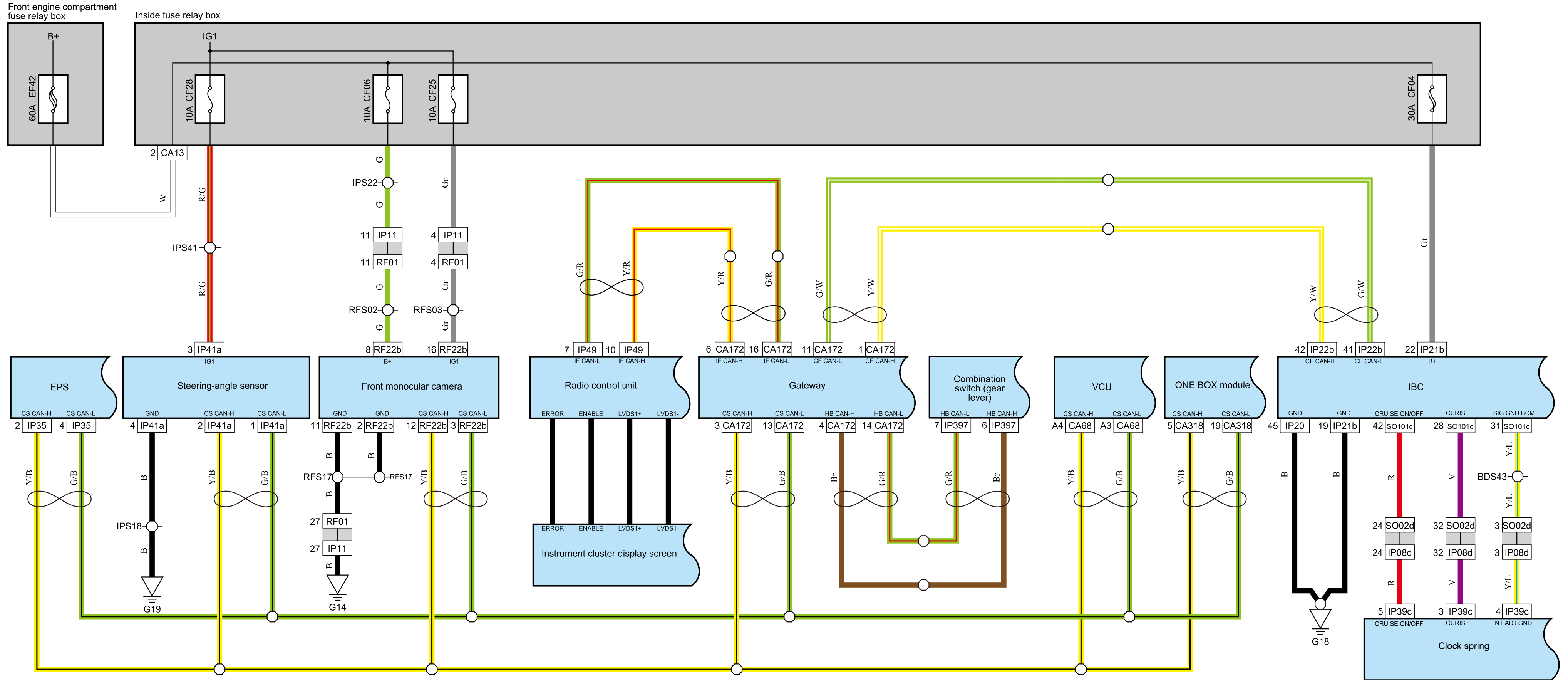
High voltage interlocking system



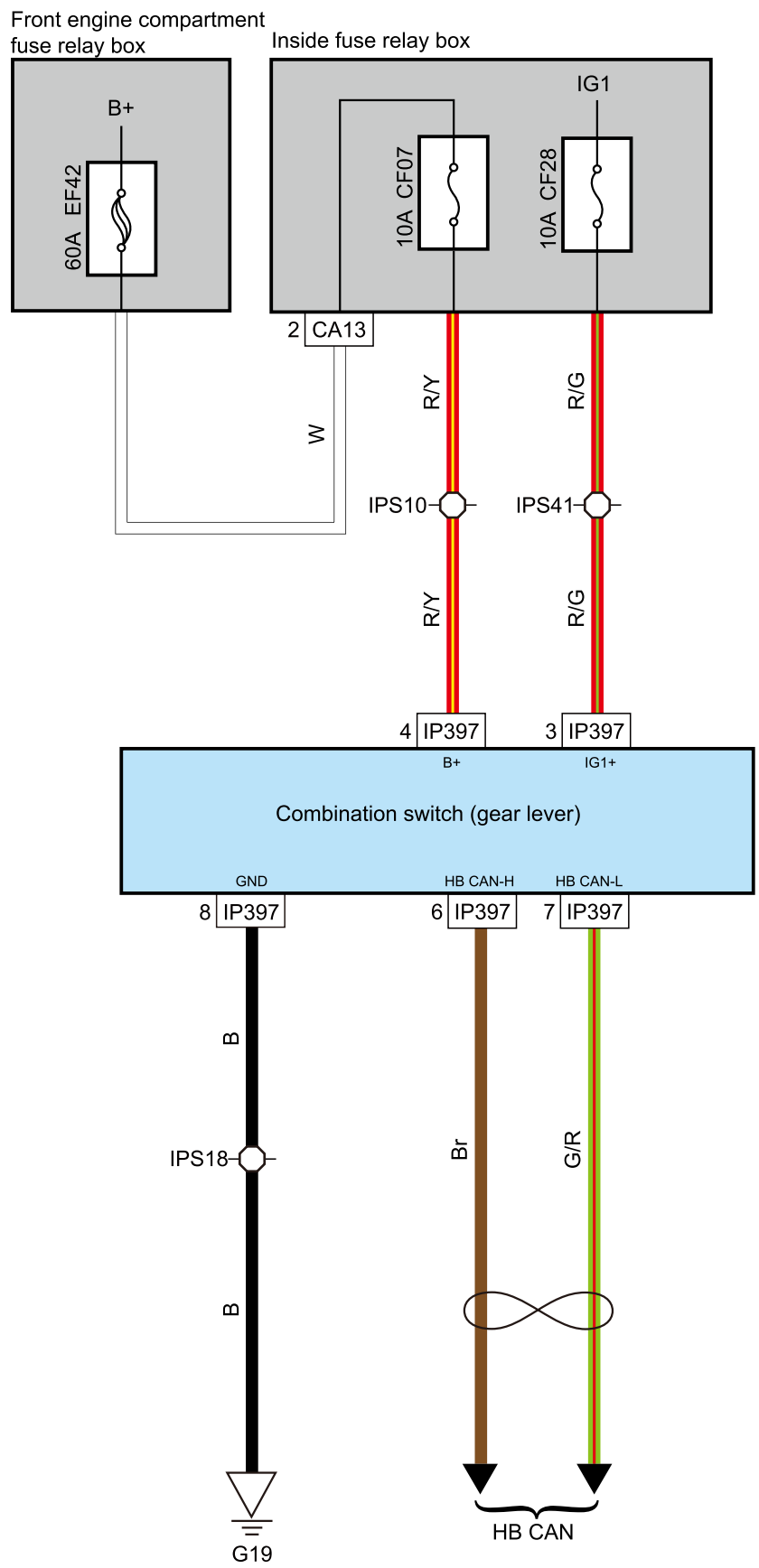
Cruise control



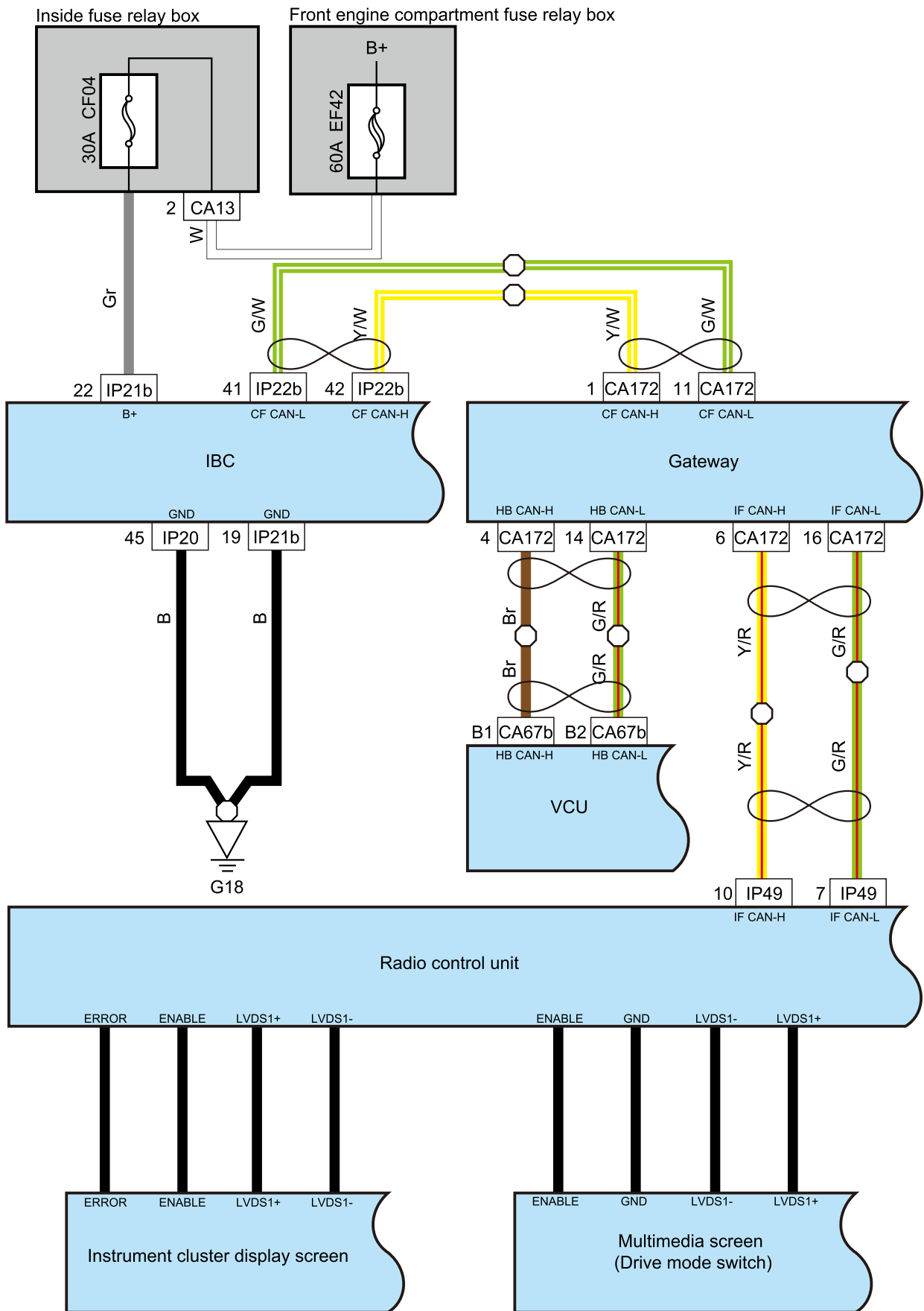
Intelligent cruise control



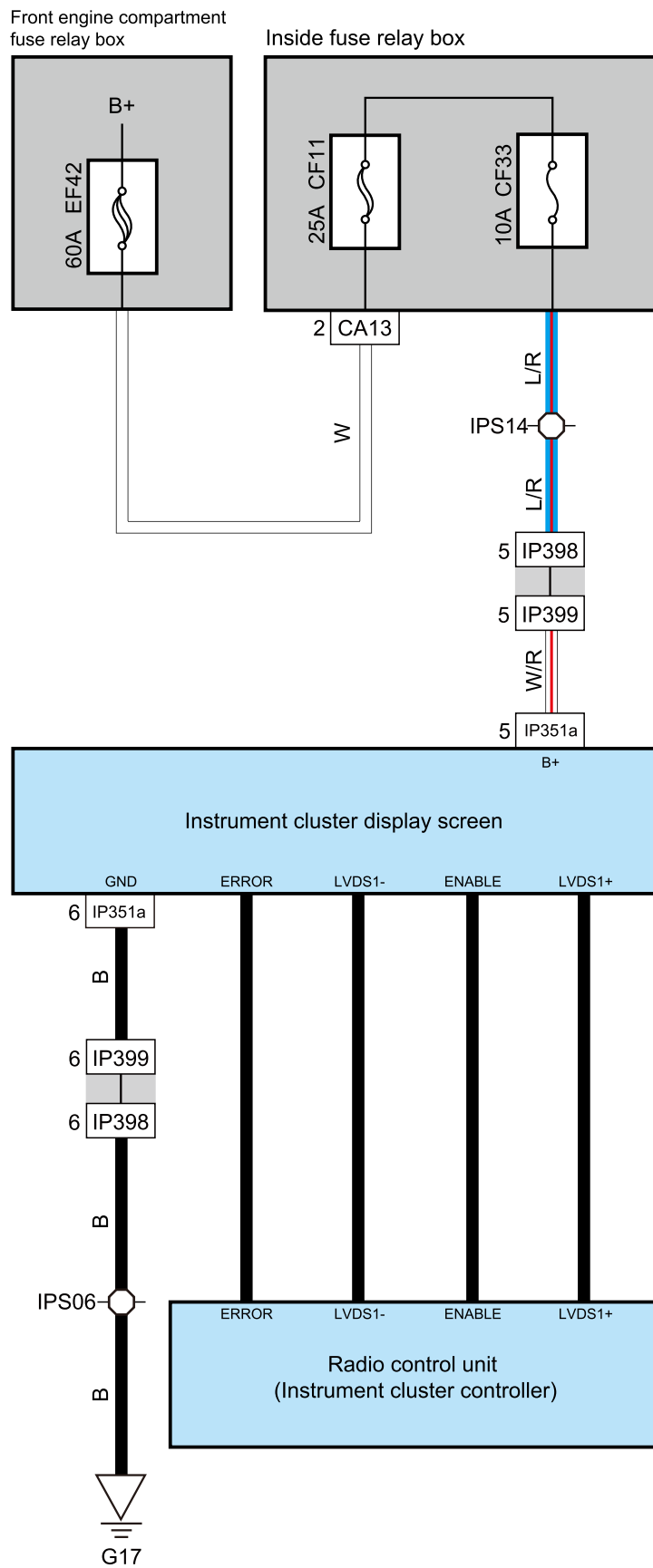
Electronic gear selector



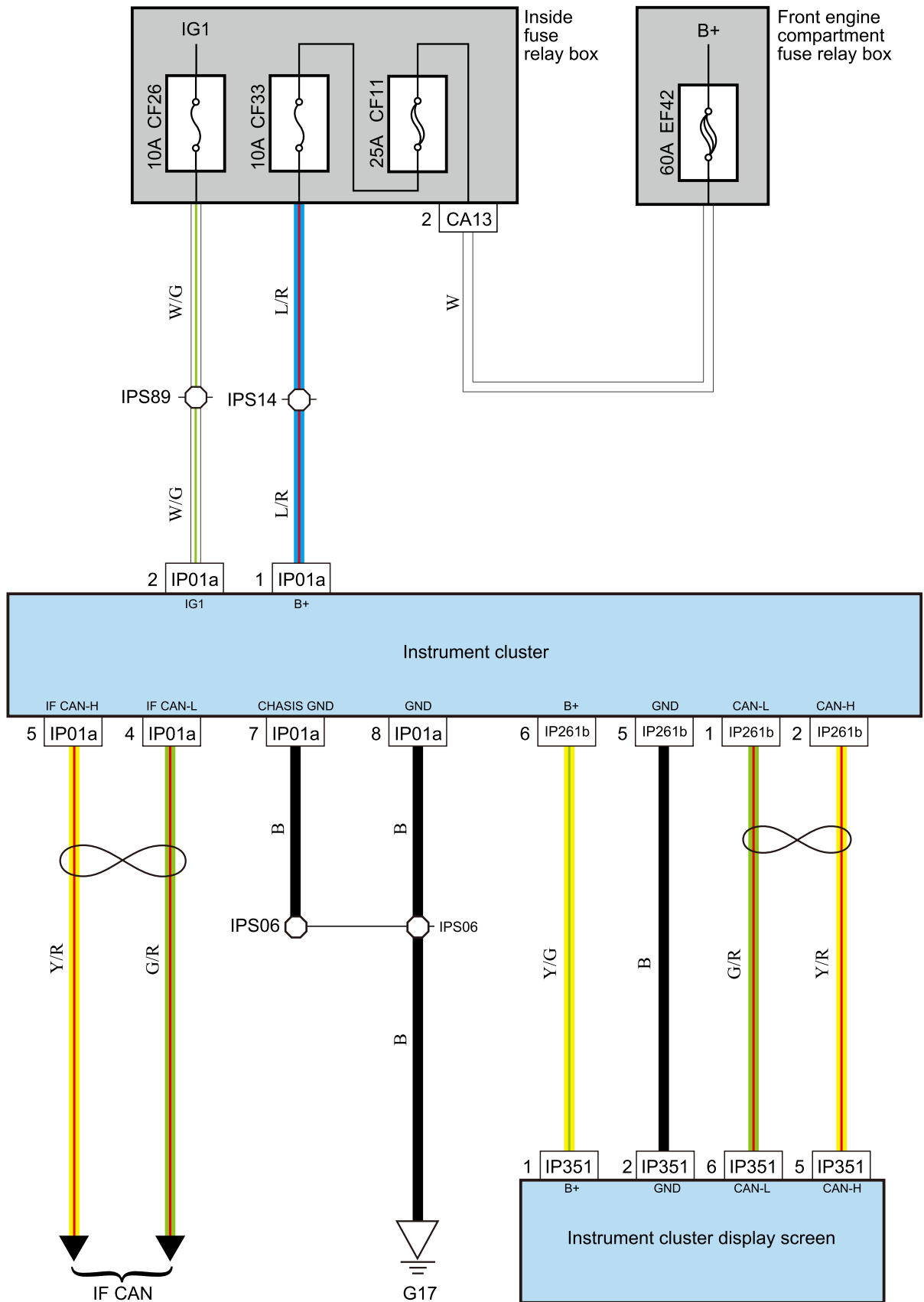
Drive mode switch



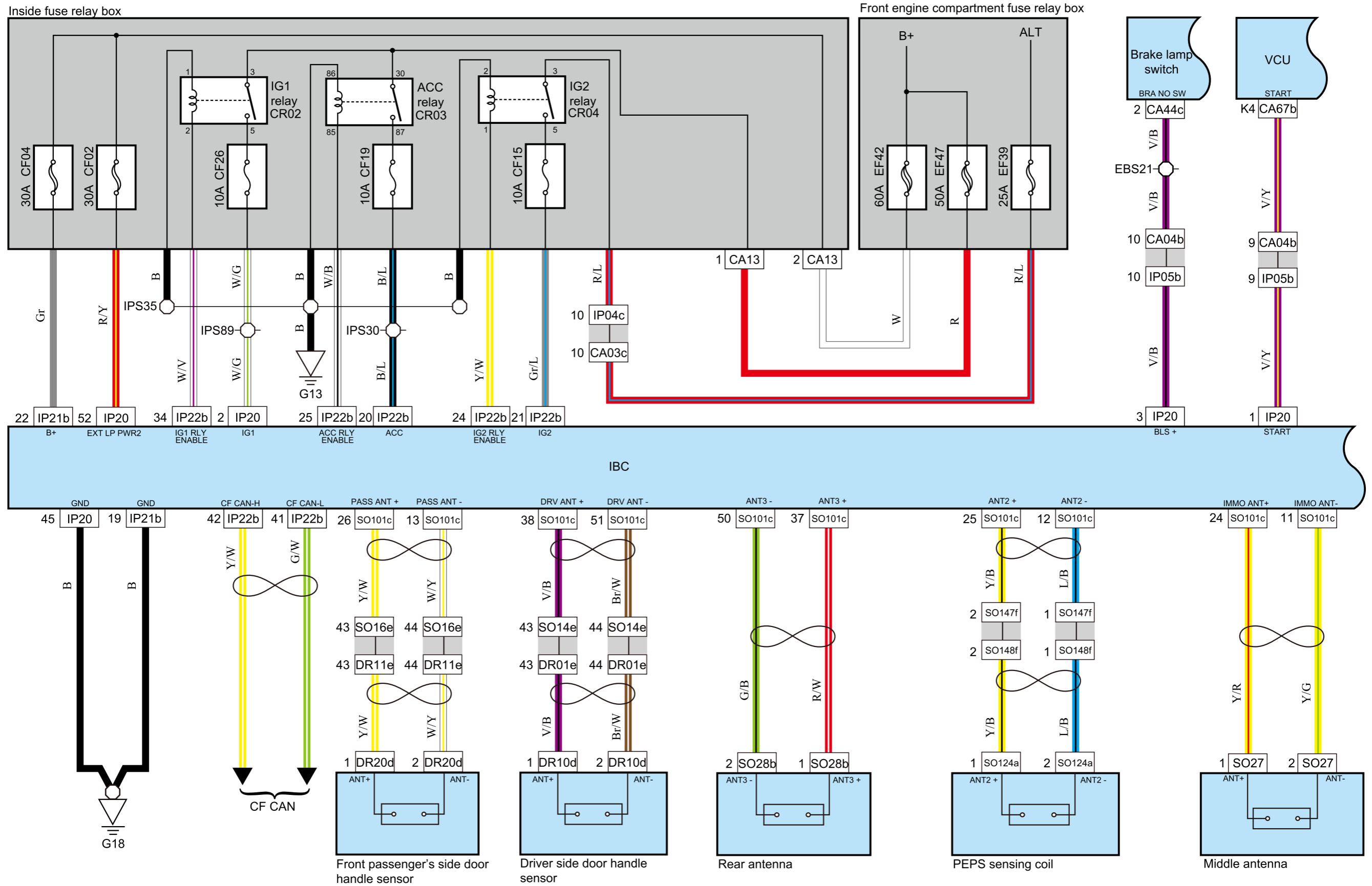
Instrument cluster (domestic)



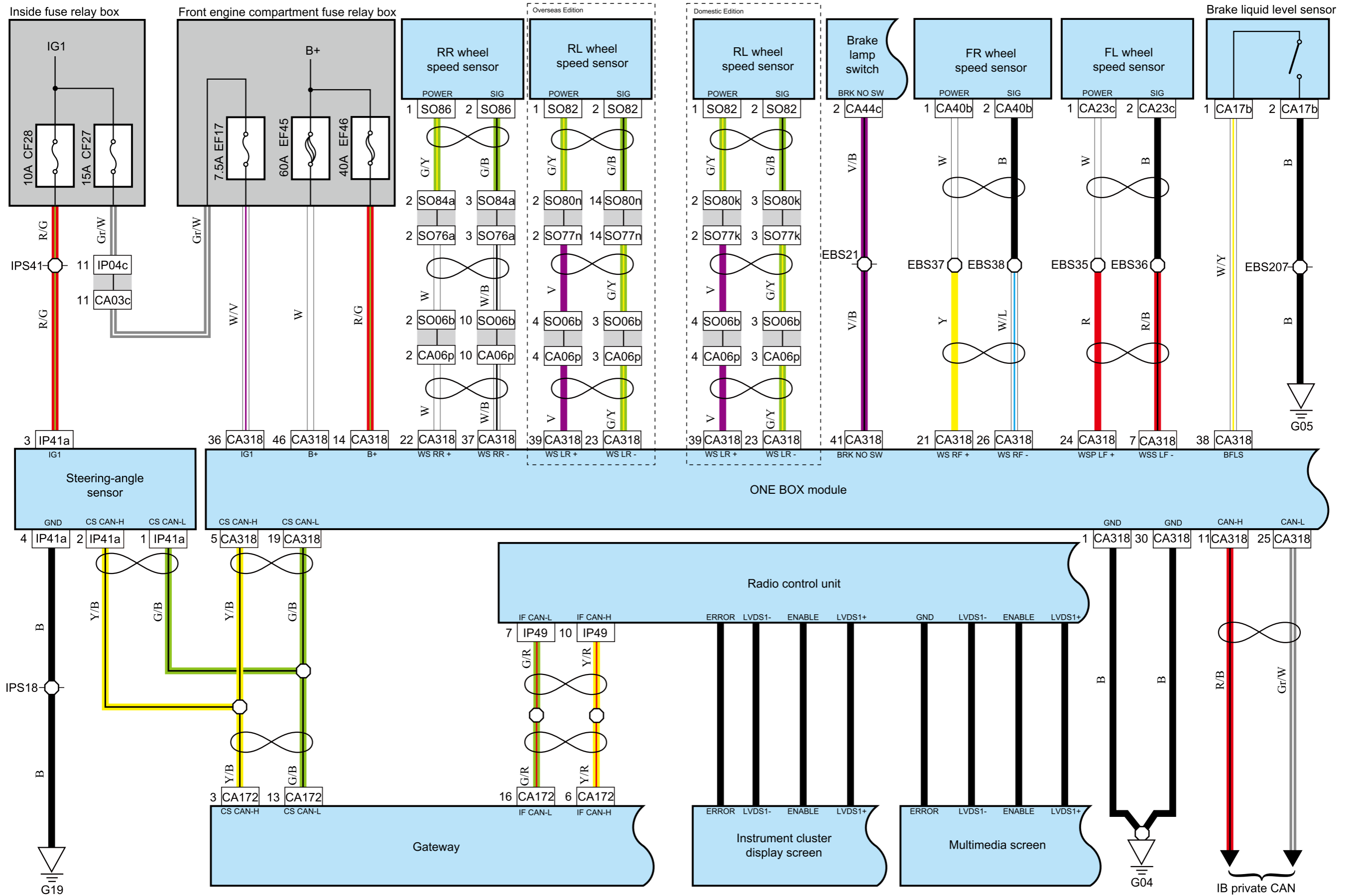
Instrument cluster (overseas)



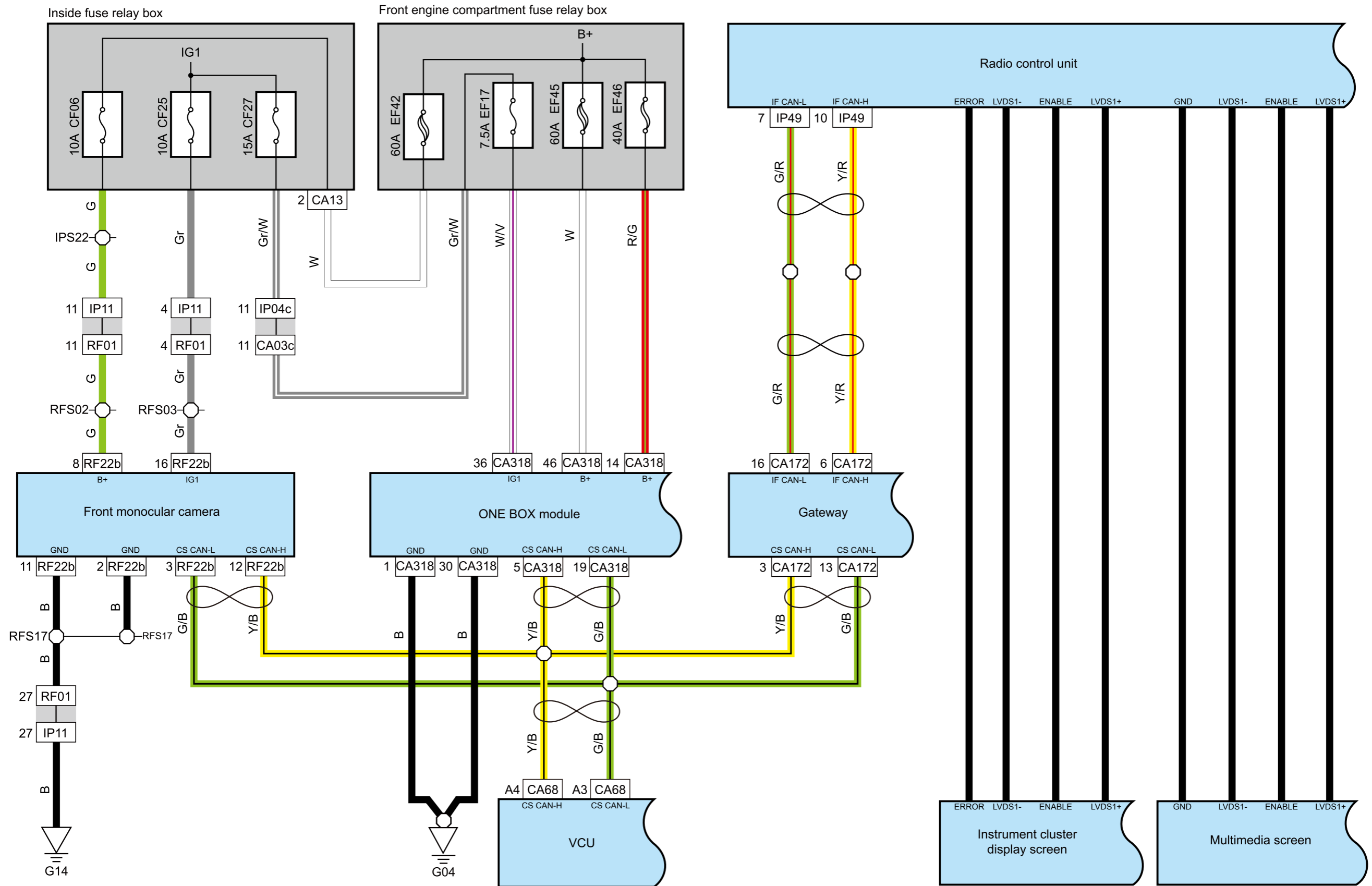
PEPS



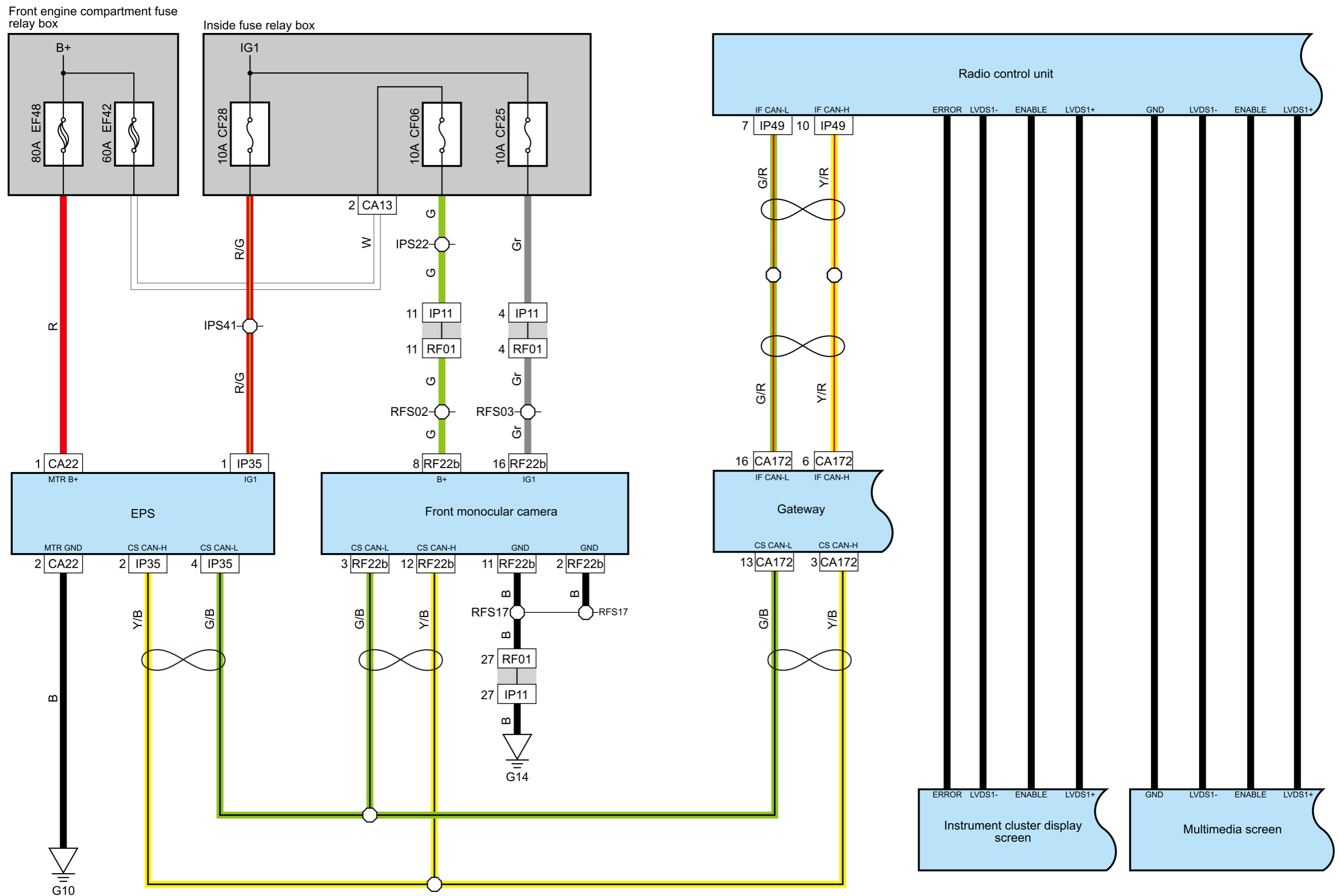
ONE BOX



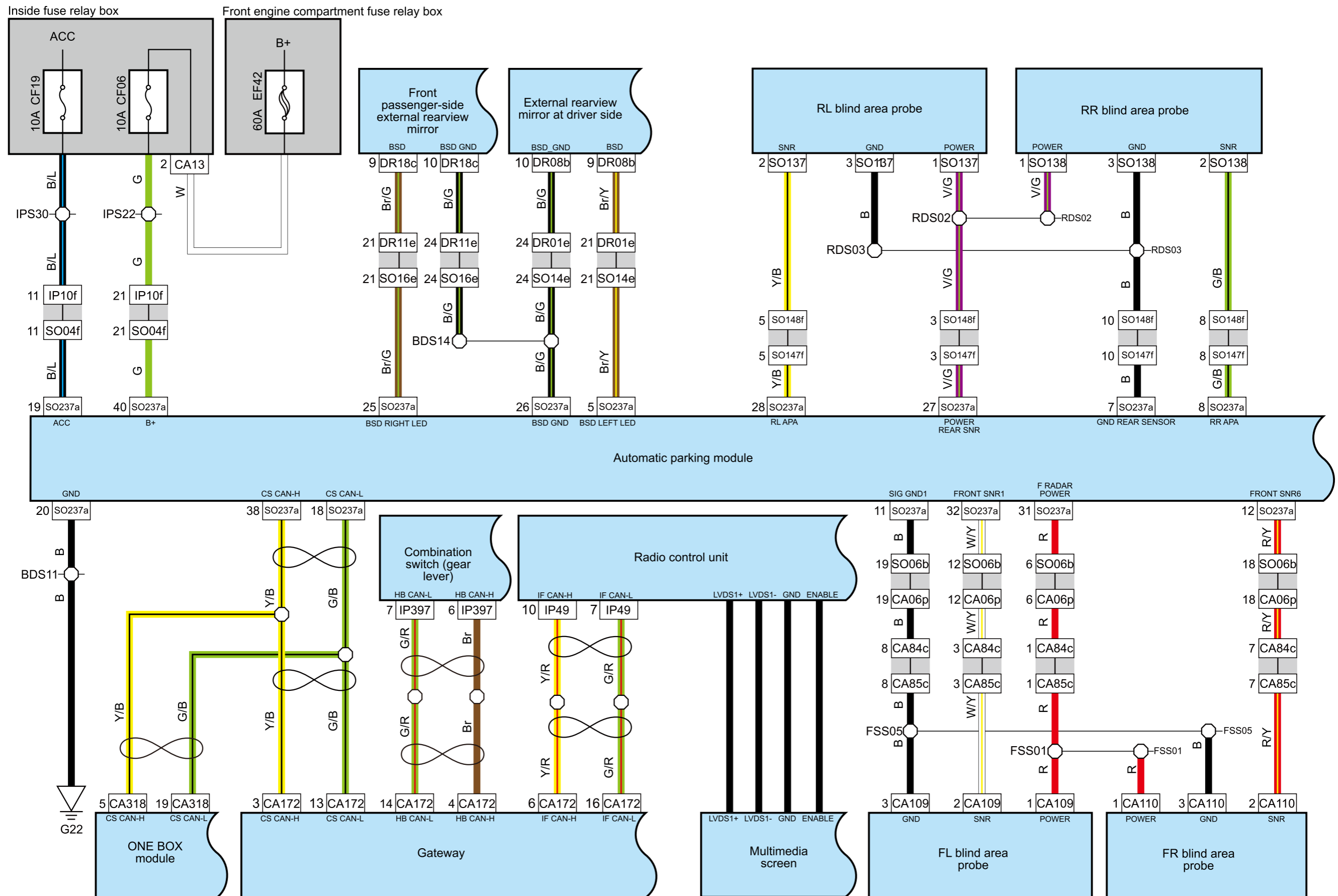
Warning brake



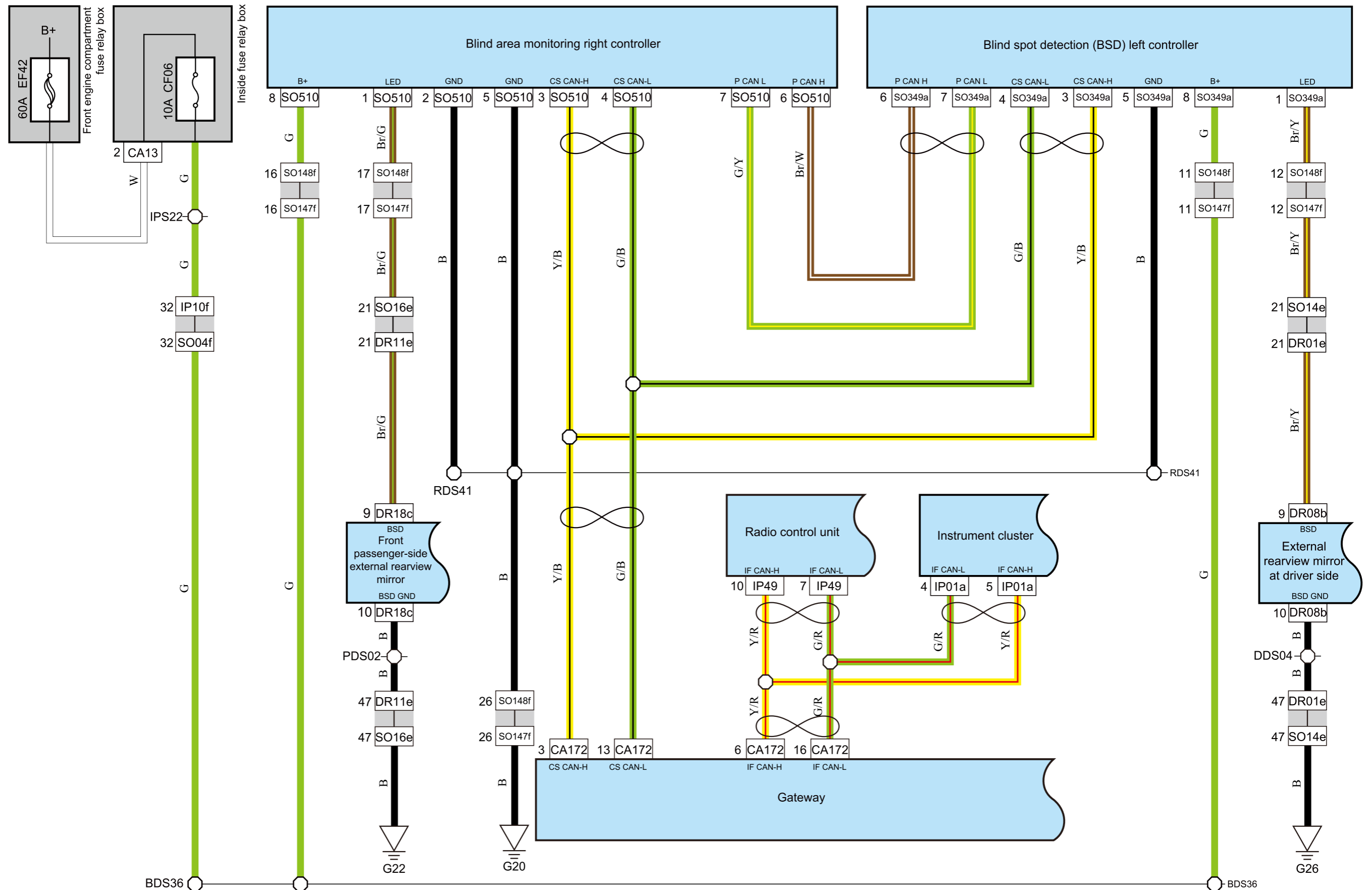
Lane departure warning



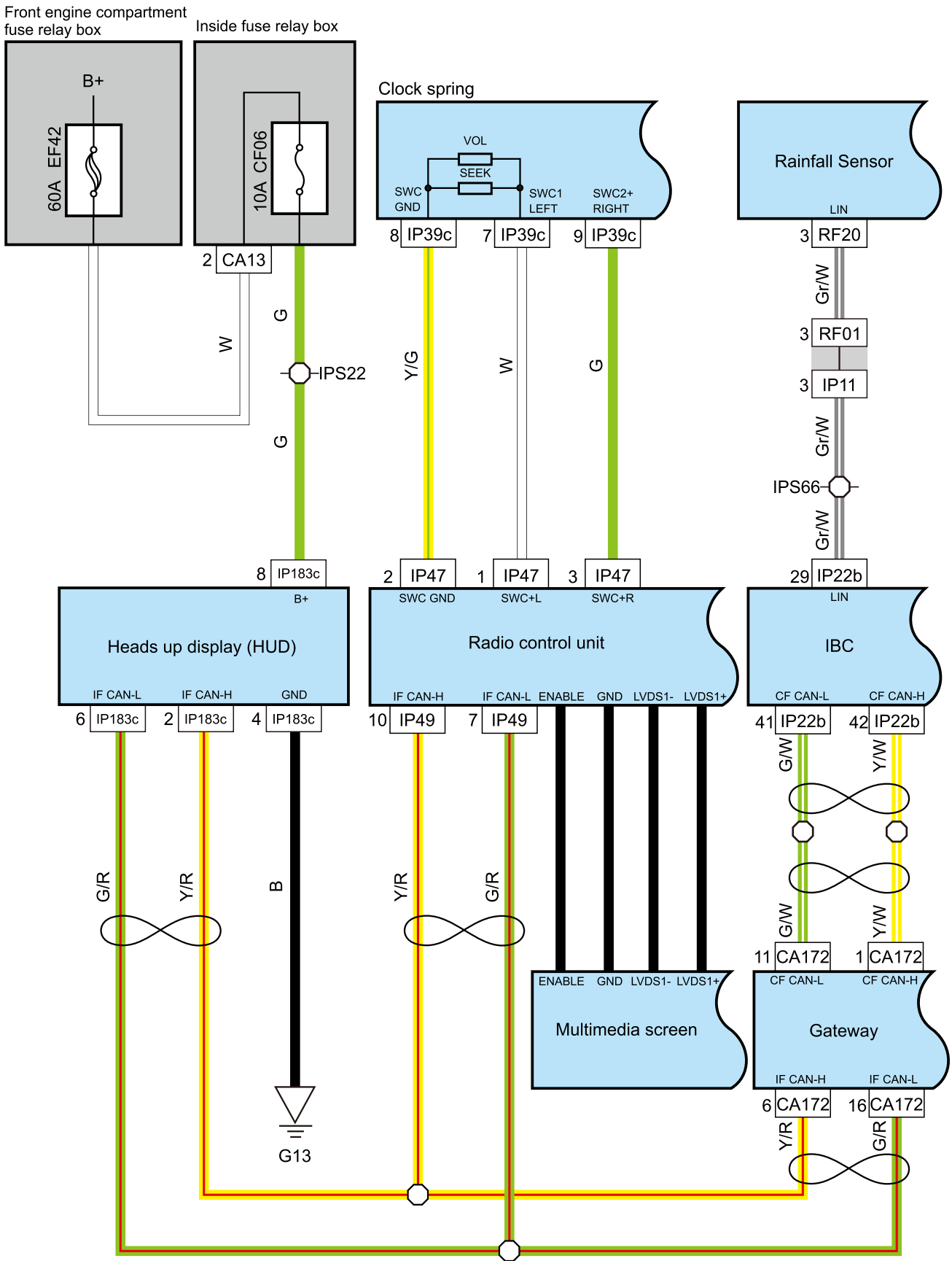
Blind zone monitoring (domestic)



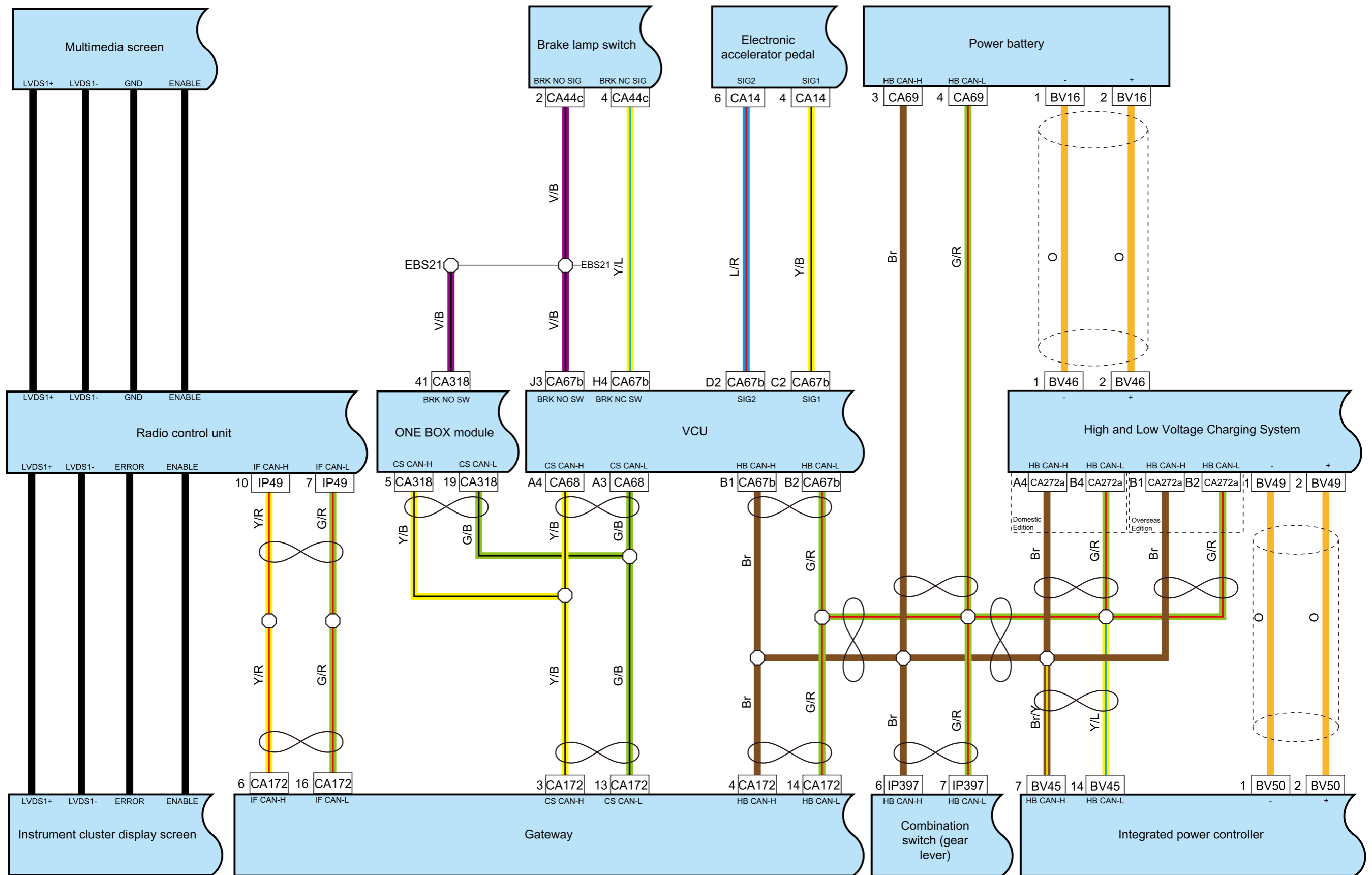
Blind zone monitoring (overseas)



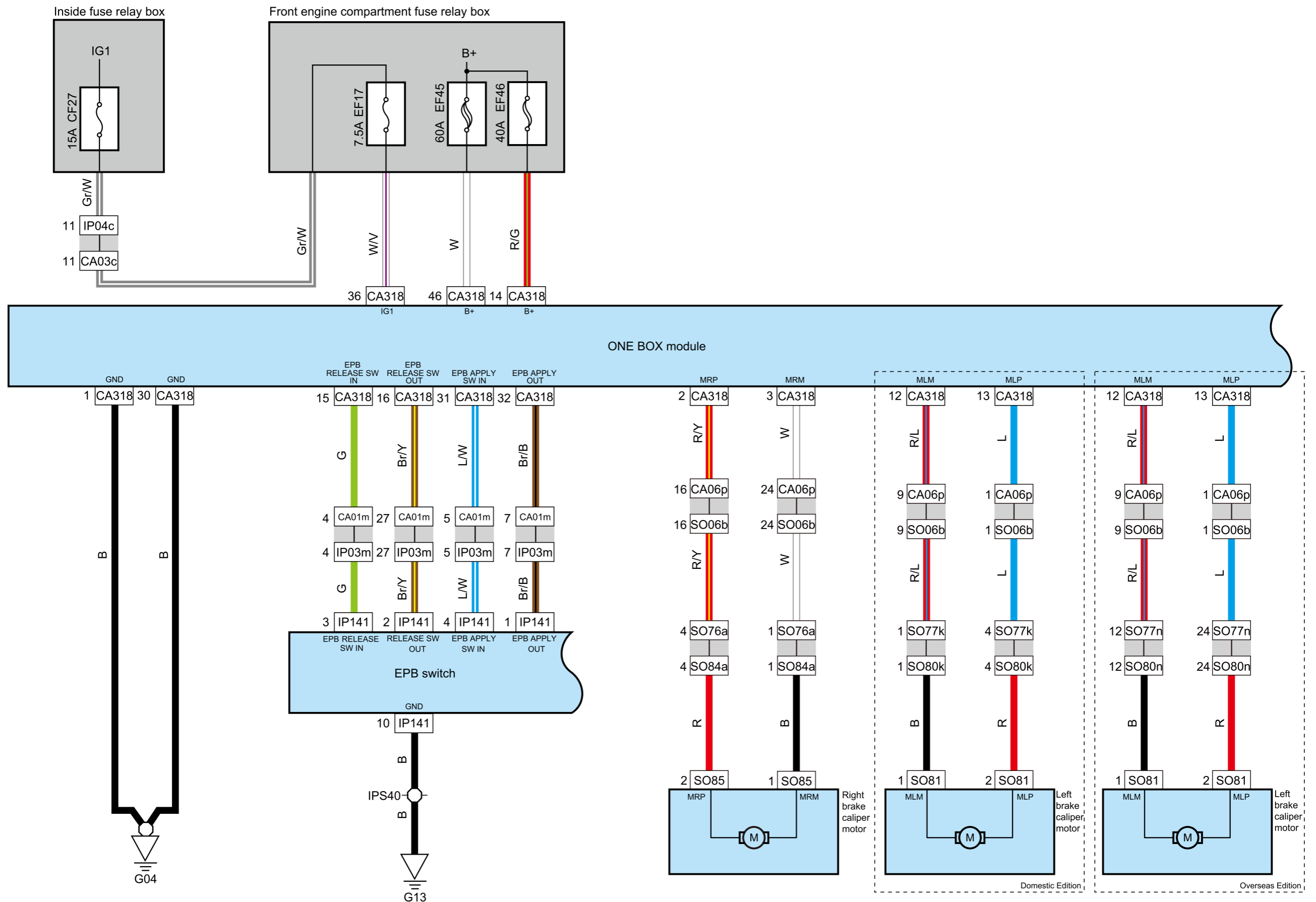
Heads up display (HUD)



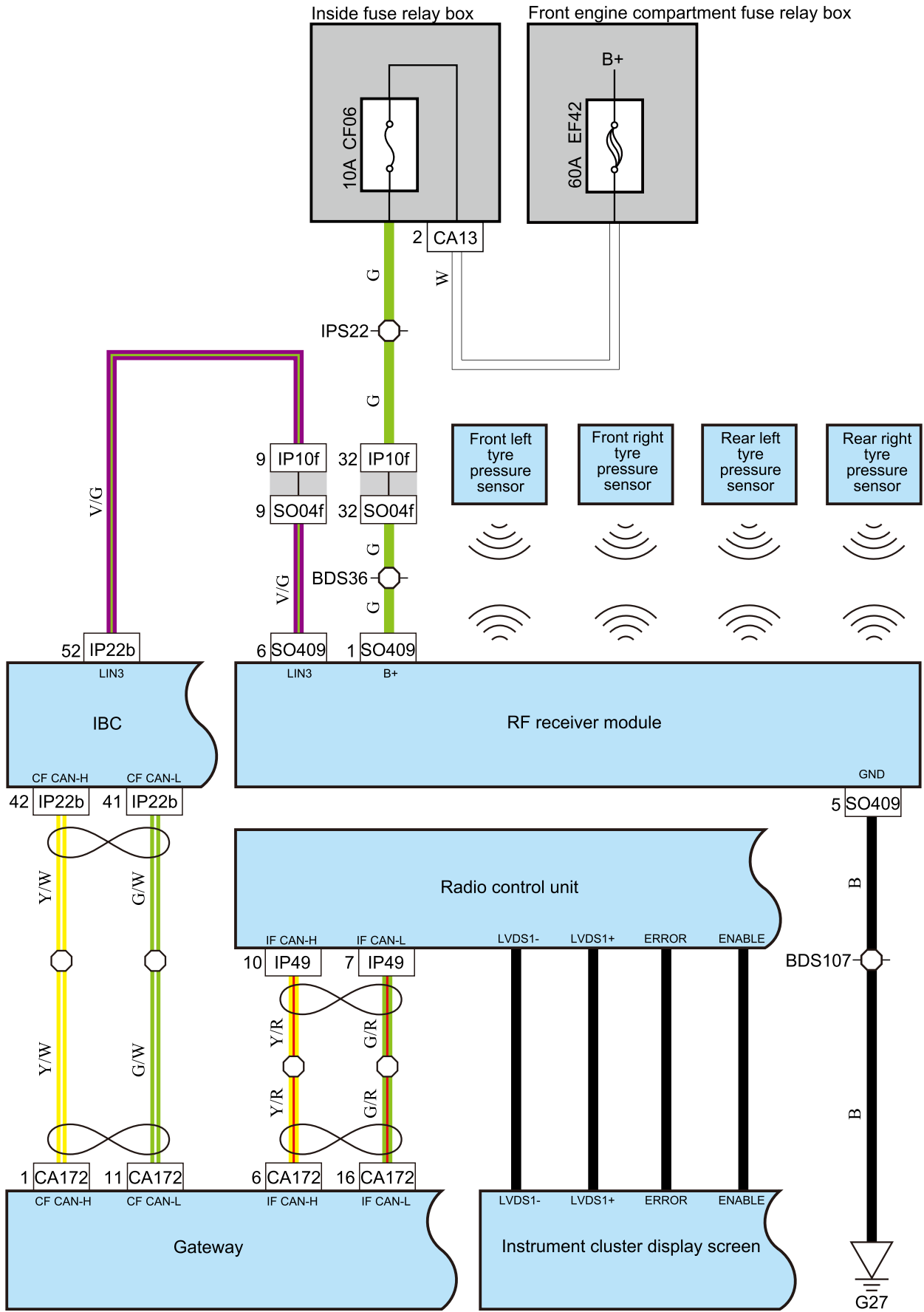
Braking energy recycling



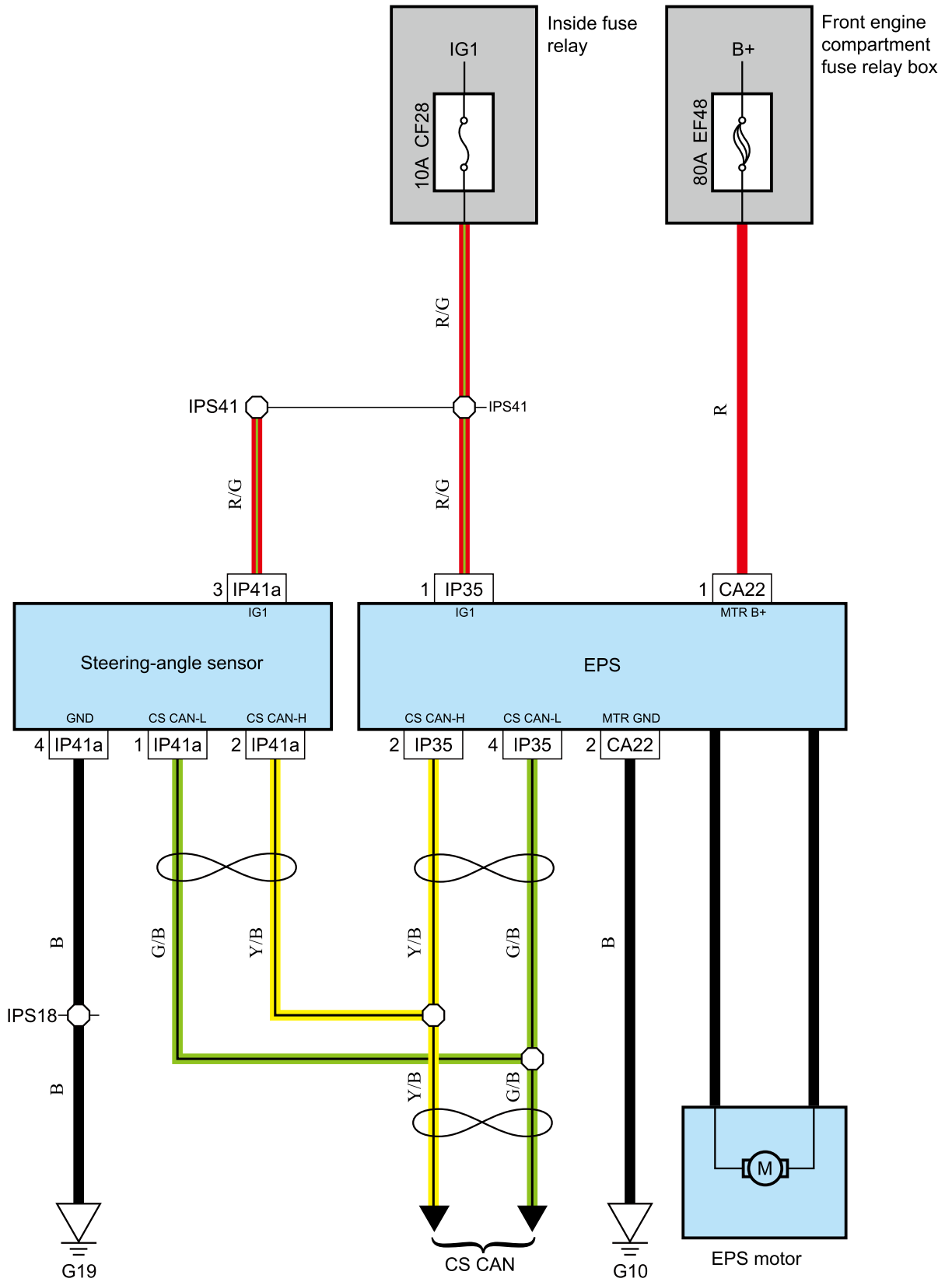
EPB



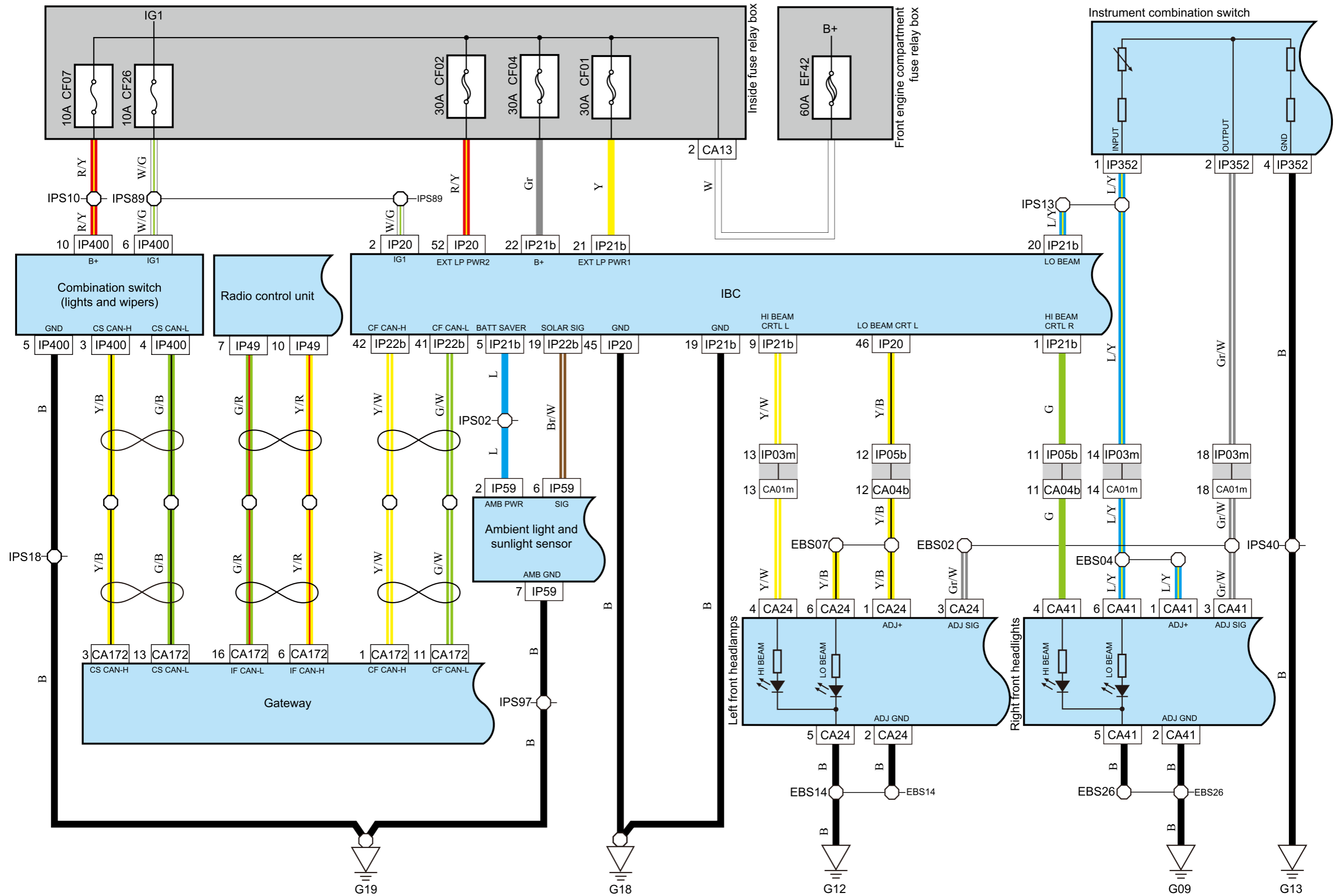
TPMS



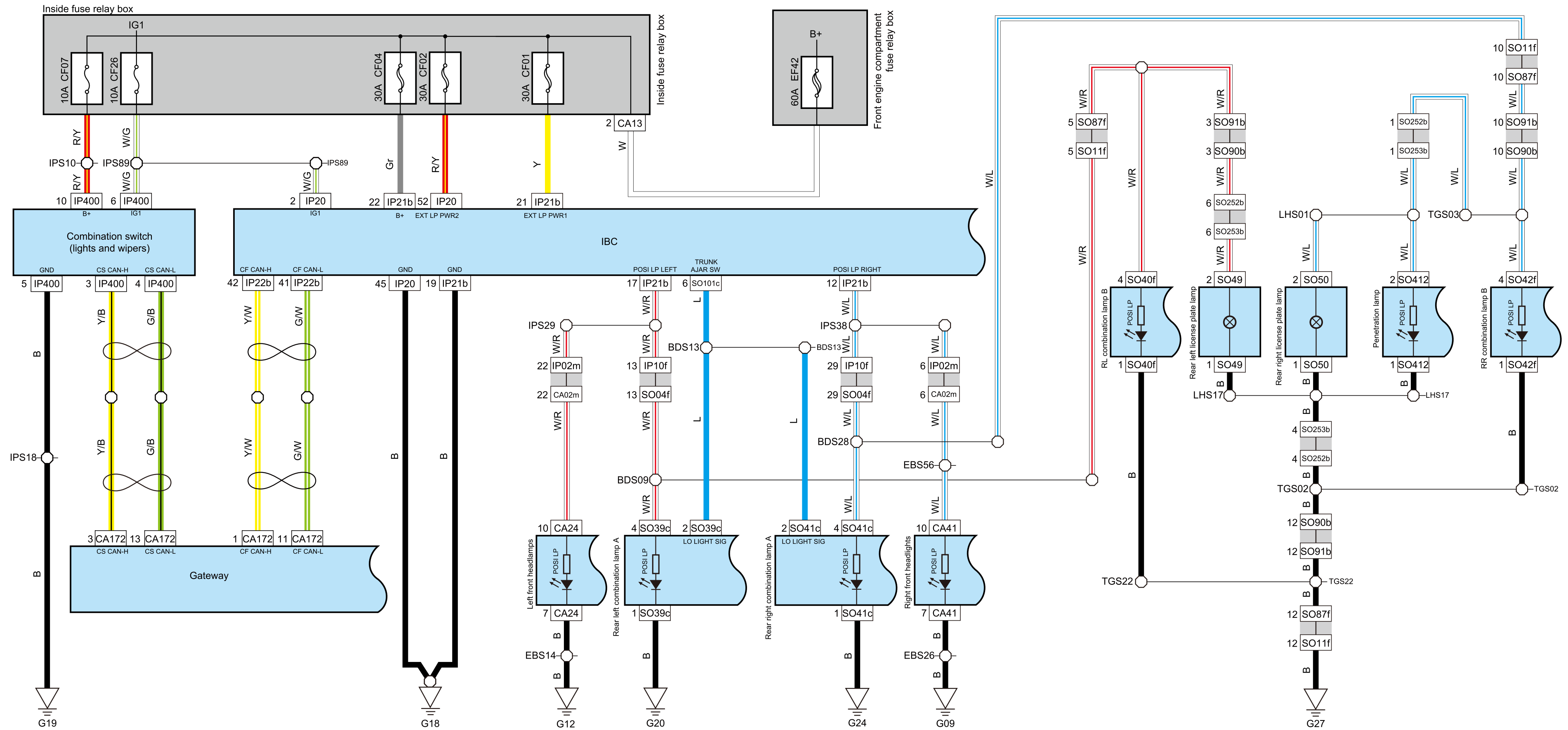
Electric power steering



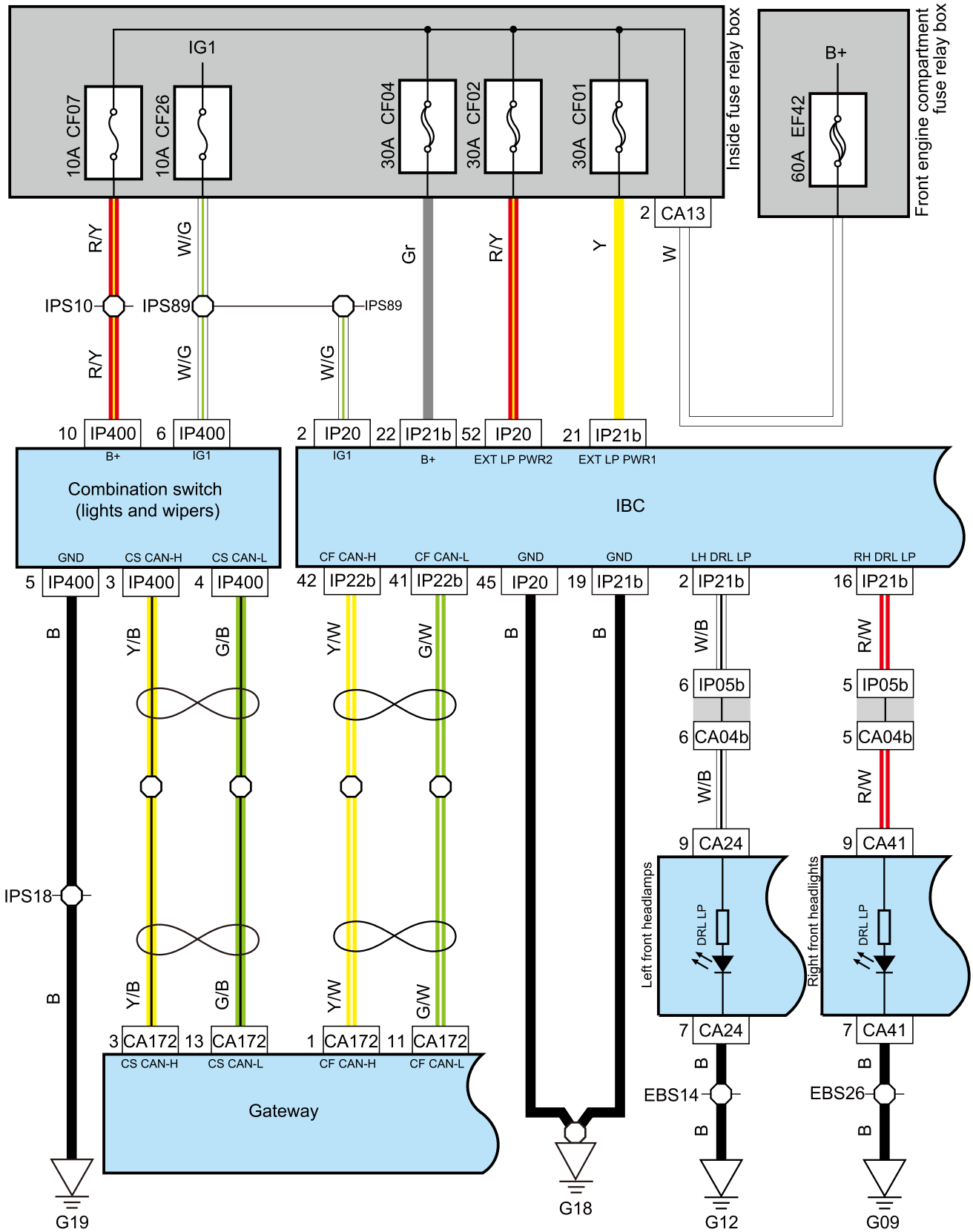
Headlights



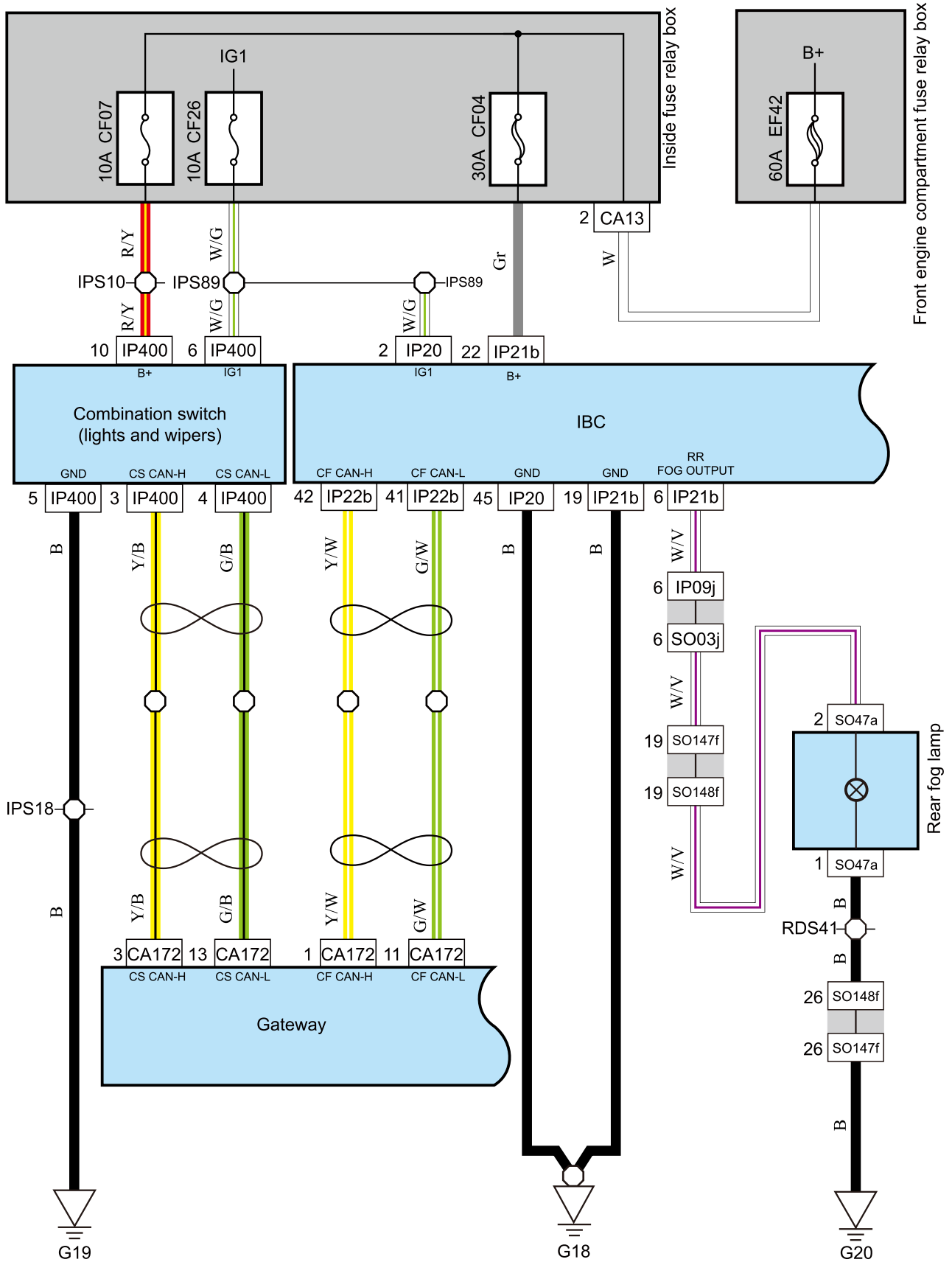
Position light, license plate light



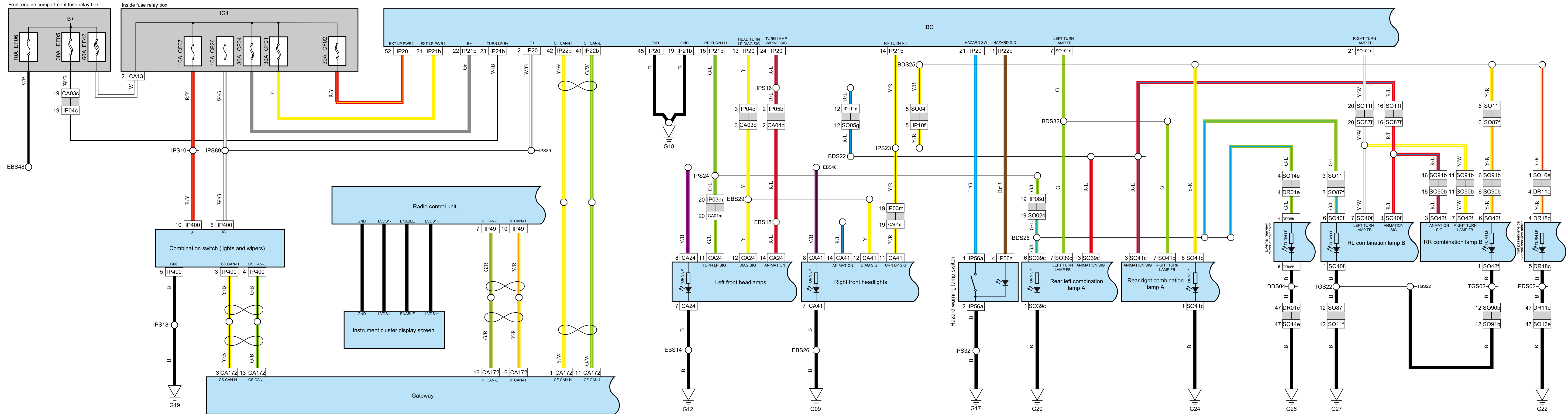
Daytime running light



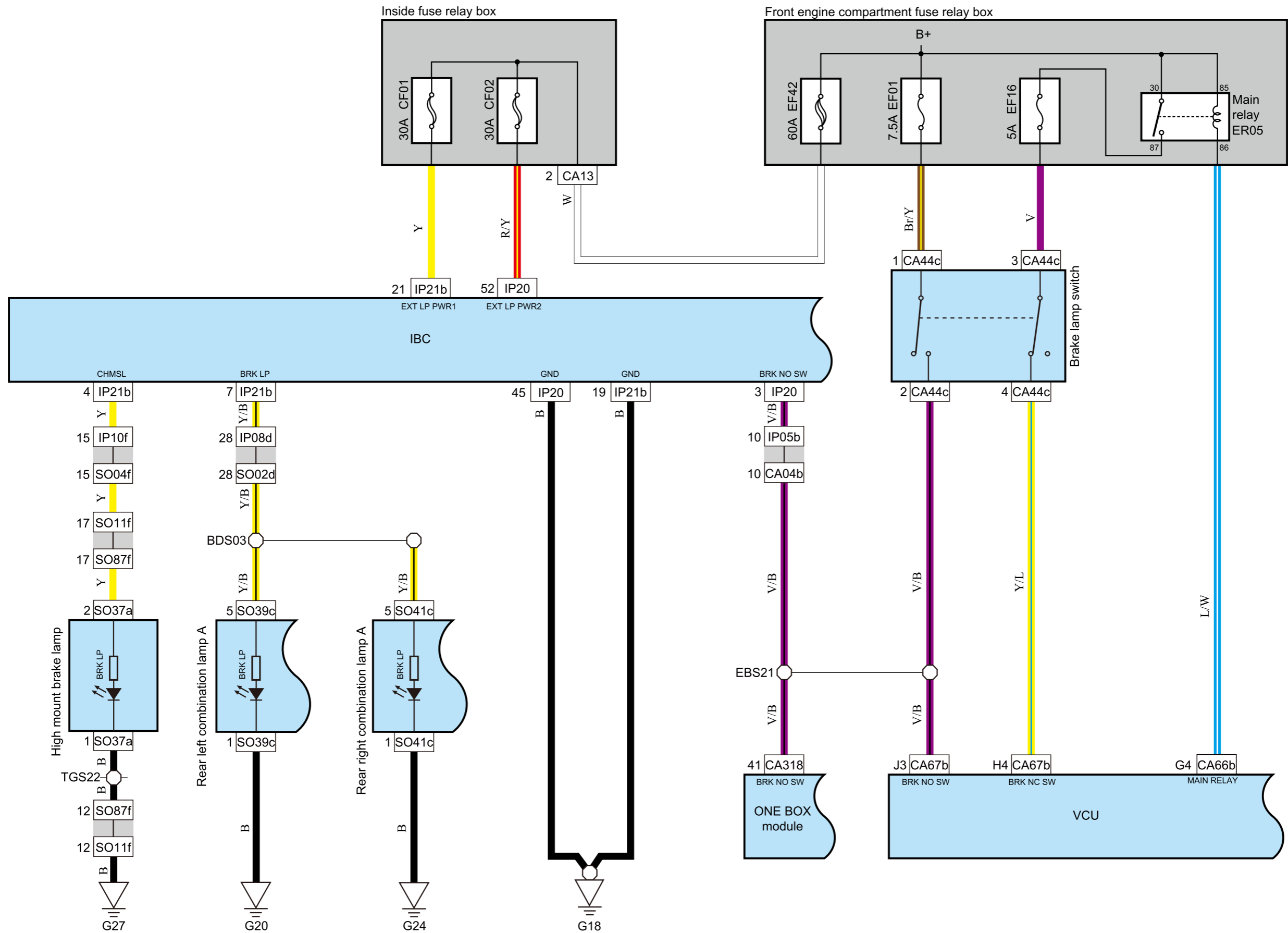
Fog light



Turn signal light, hazard warning light



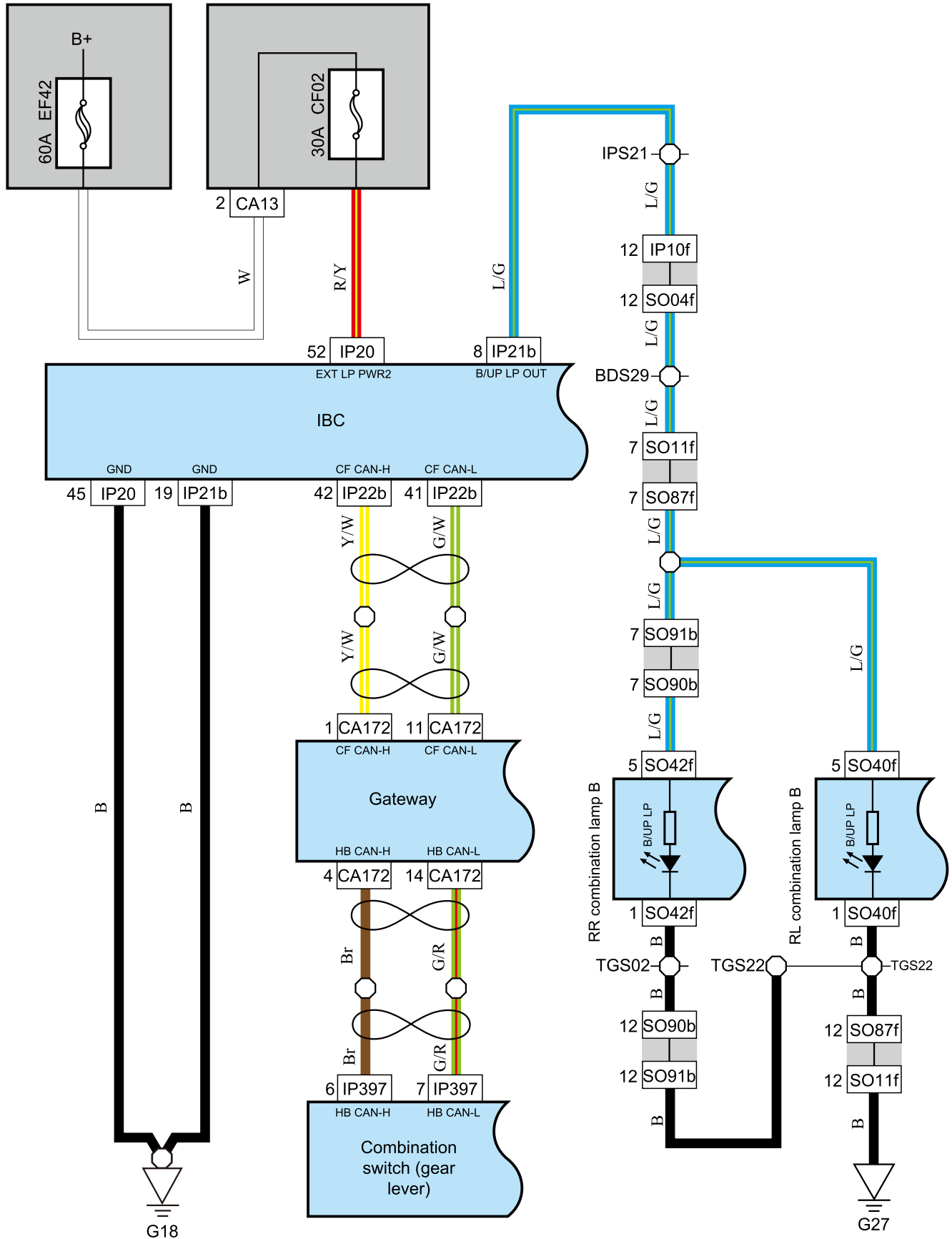
Brake light



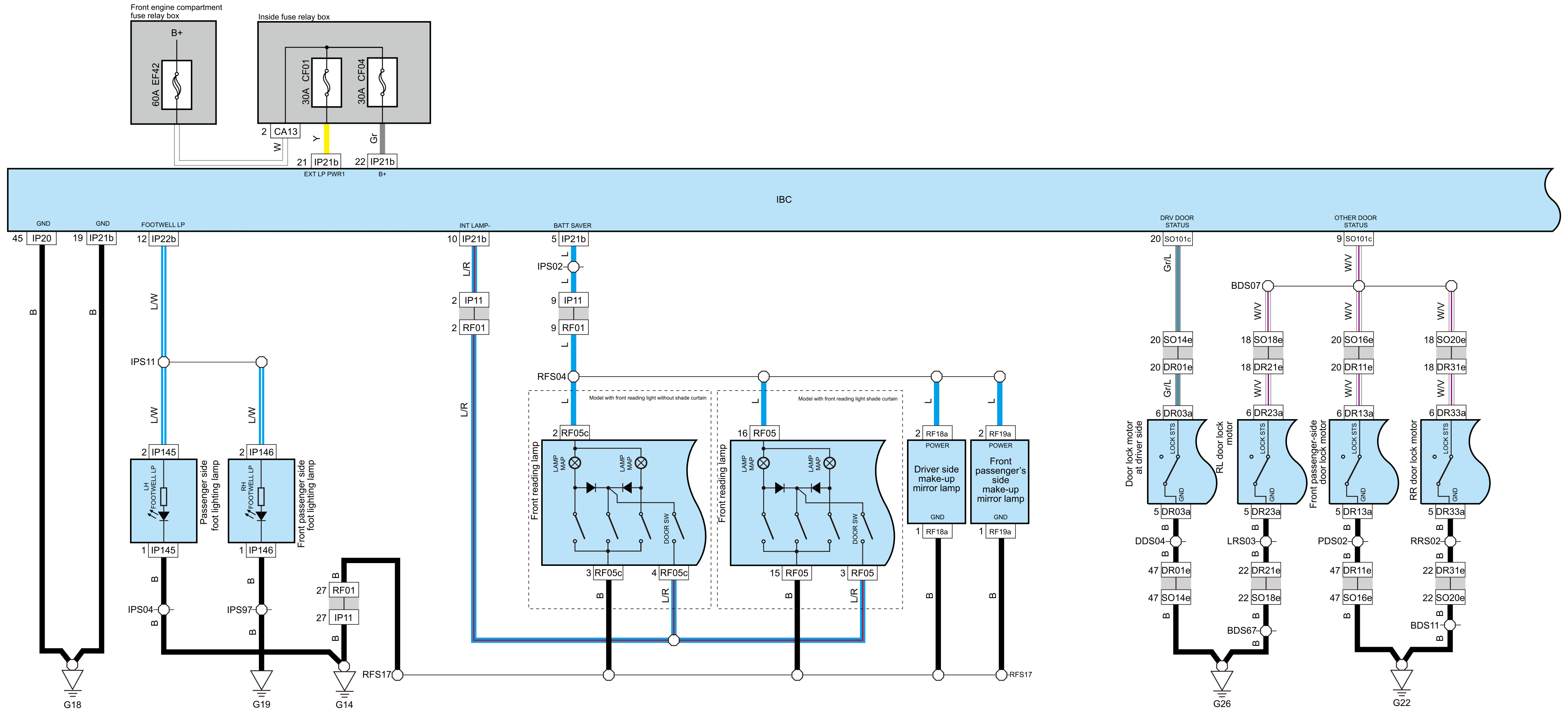
Reversing light

Front engine compartment fuse relay box

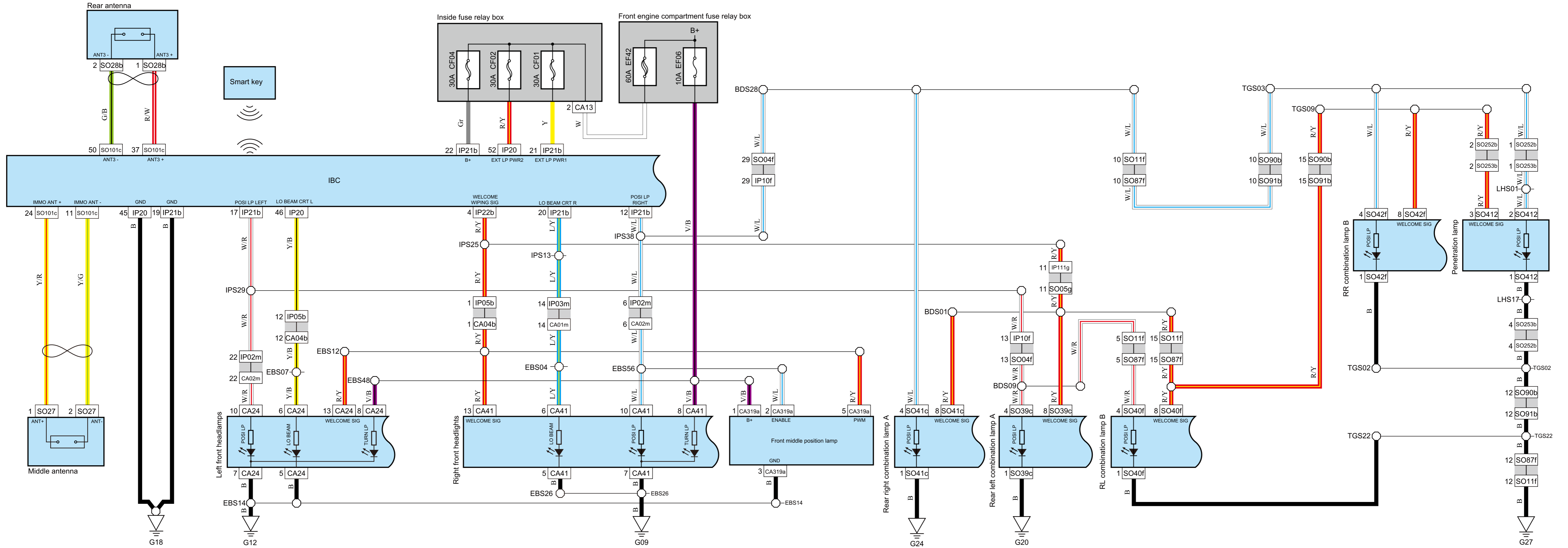
Inside fuse relay box



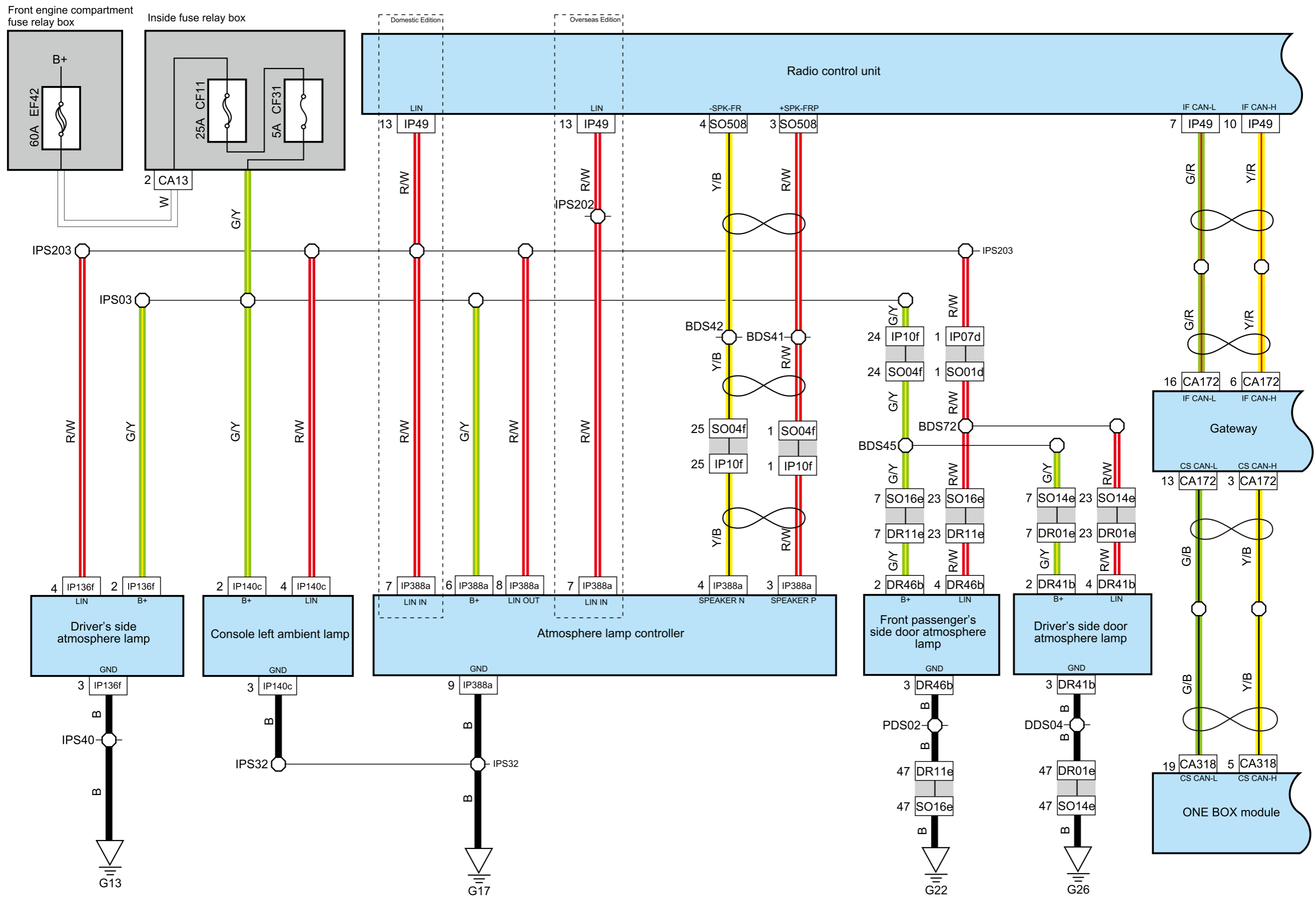
Interior light



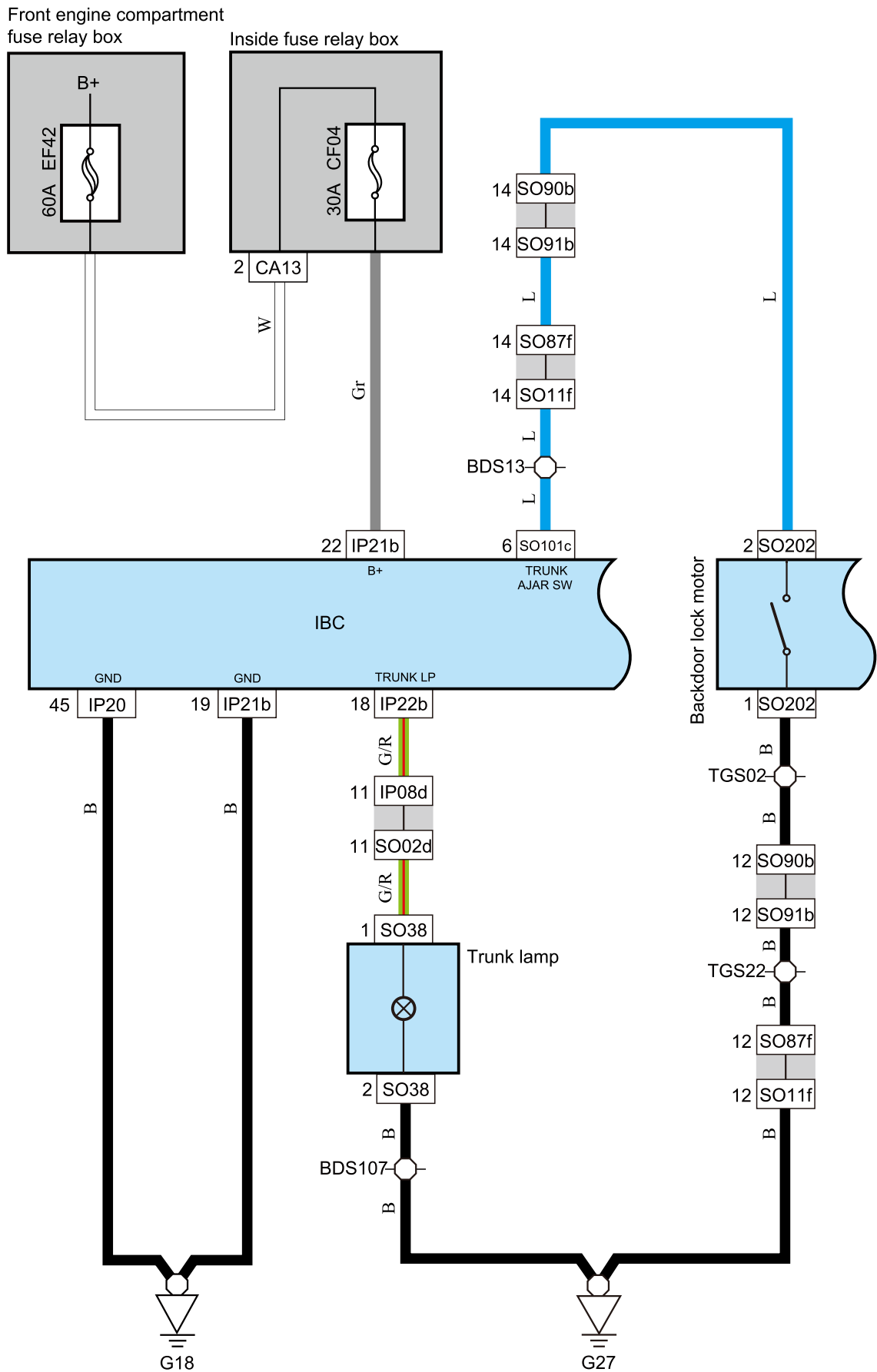
Step light



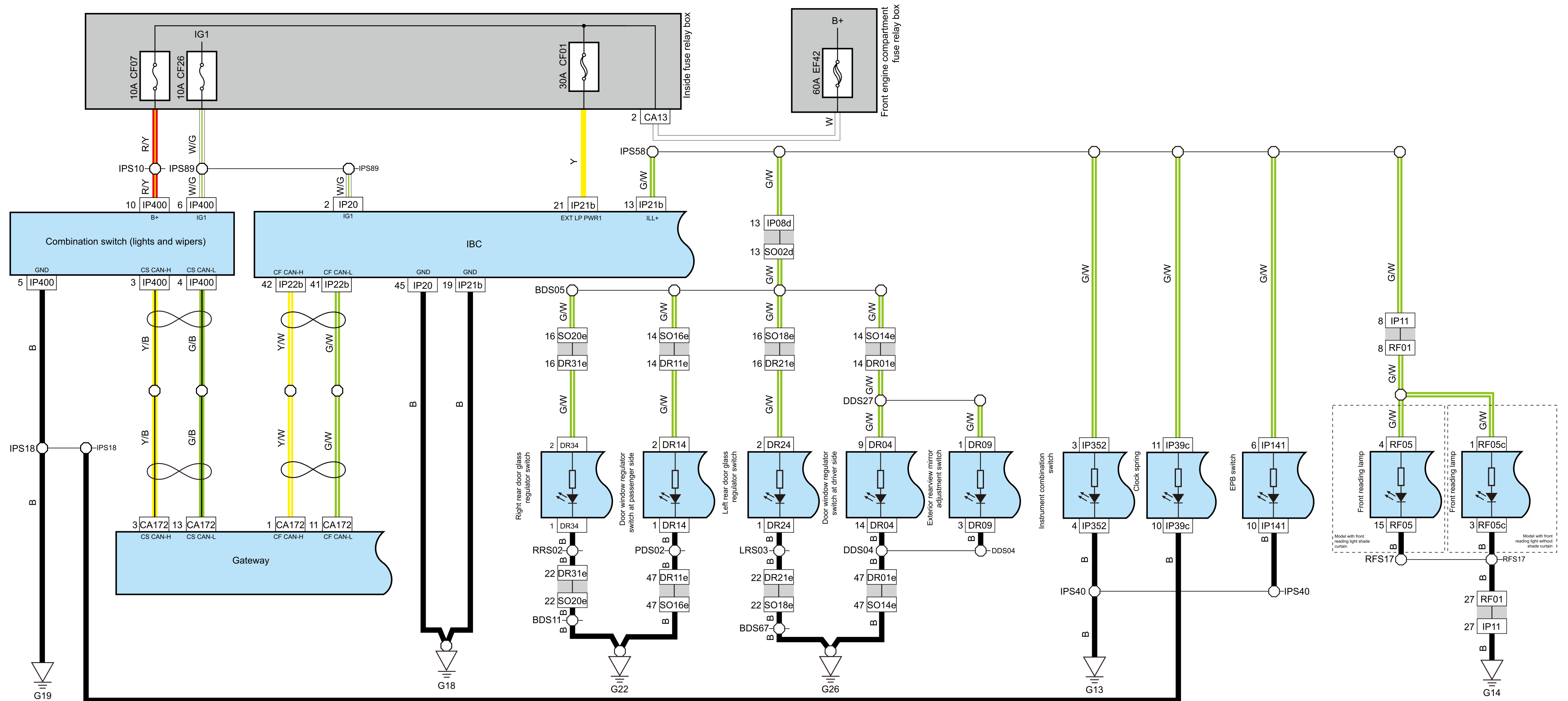
Ambient light



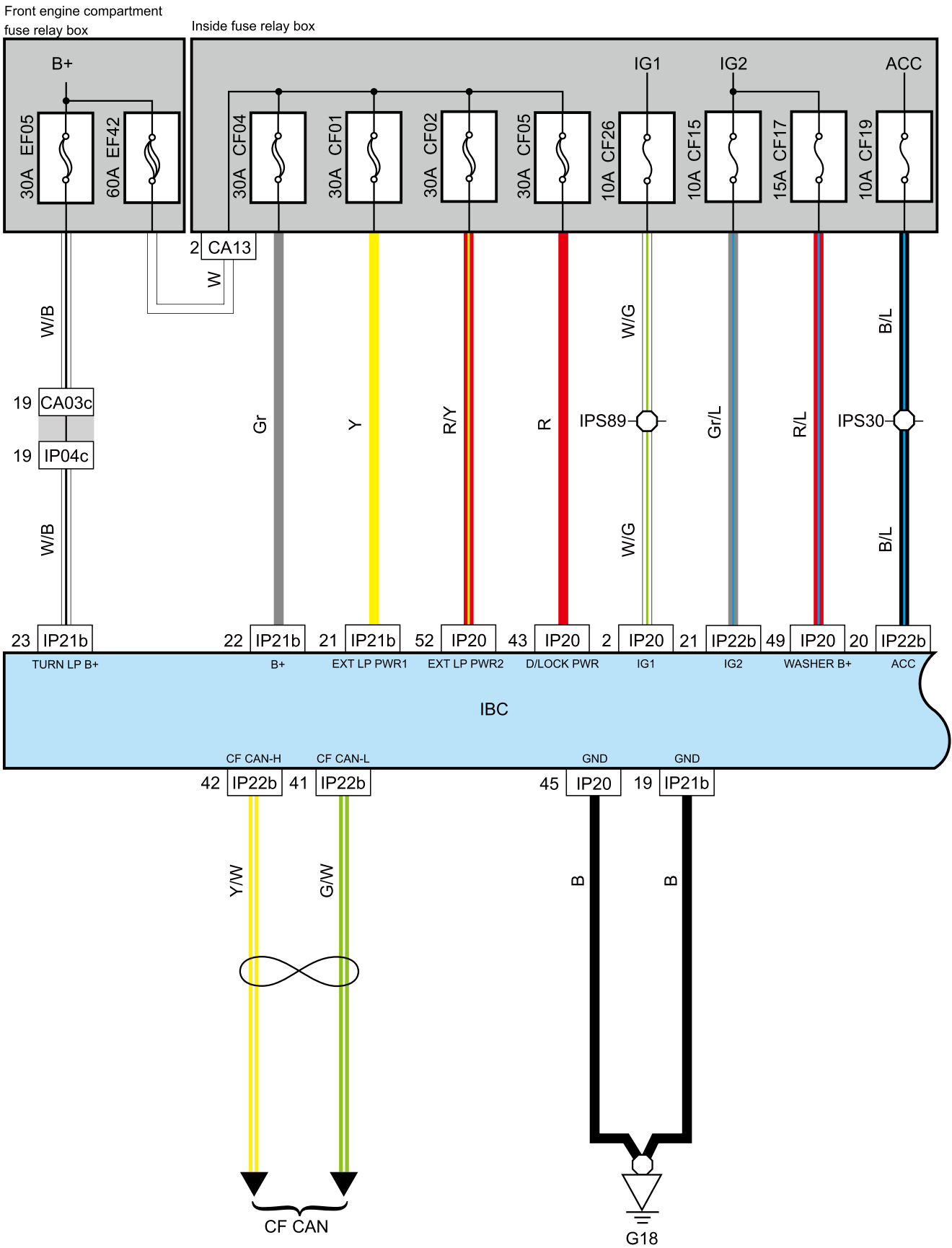
Boot light



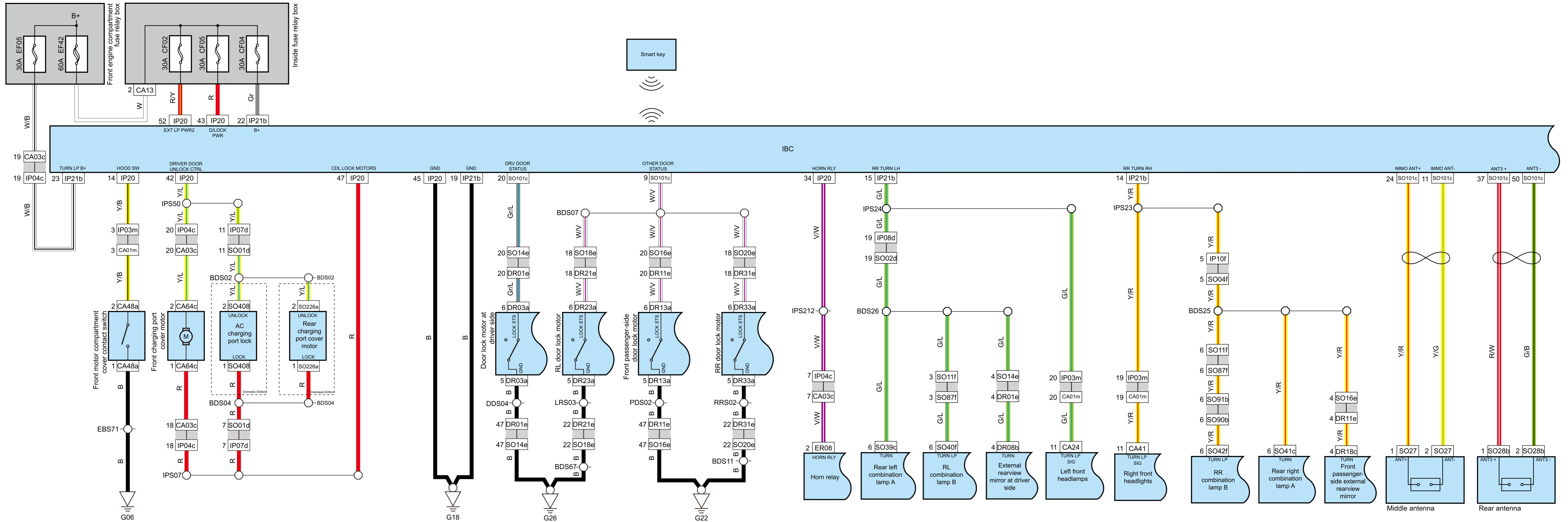
Back lighting



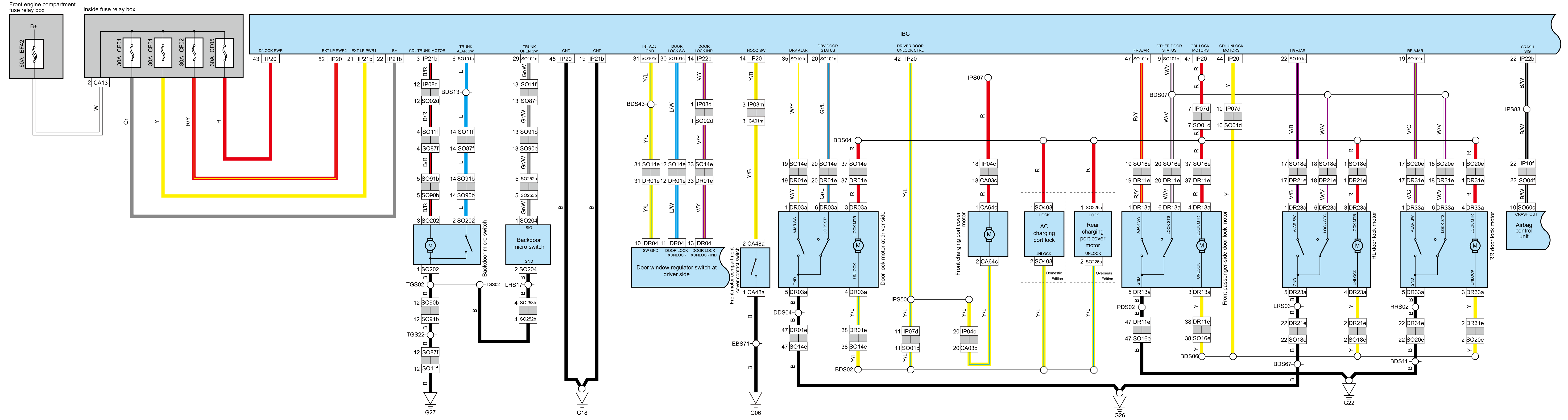
BCM



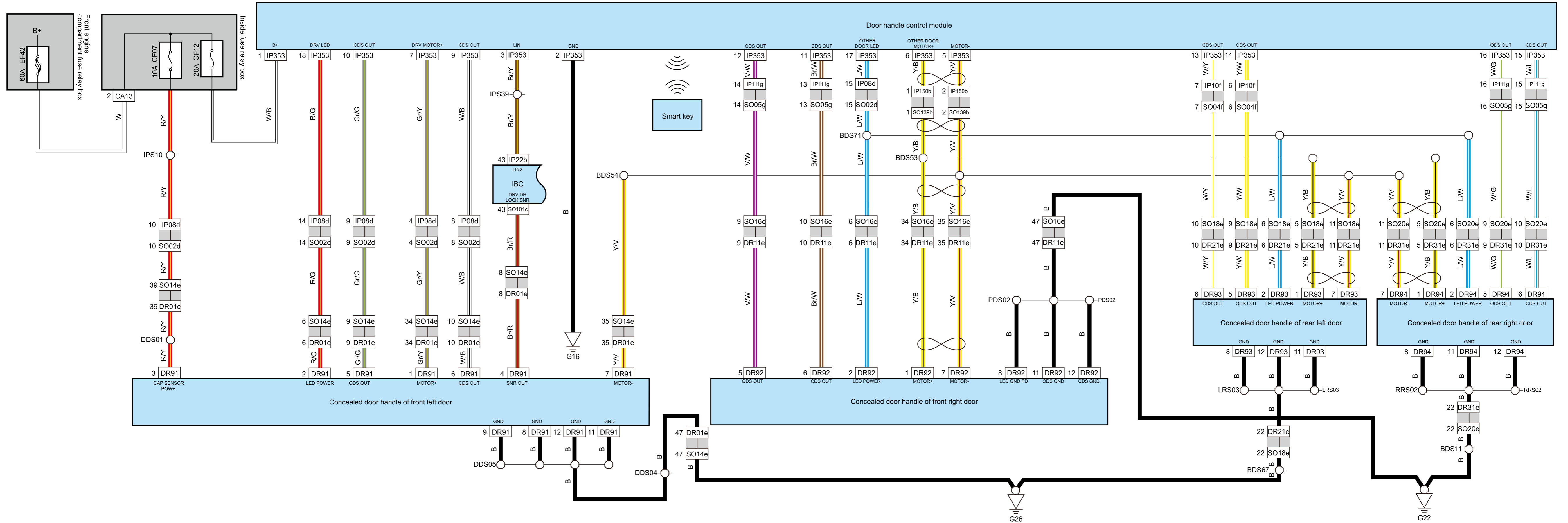
Body anti-theft control system



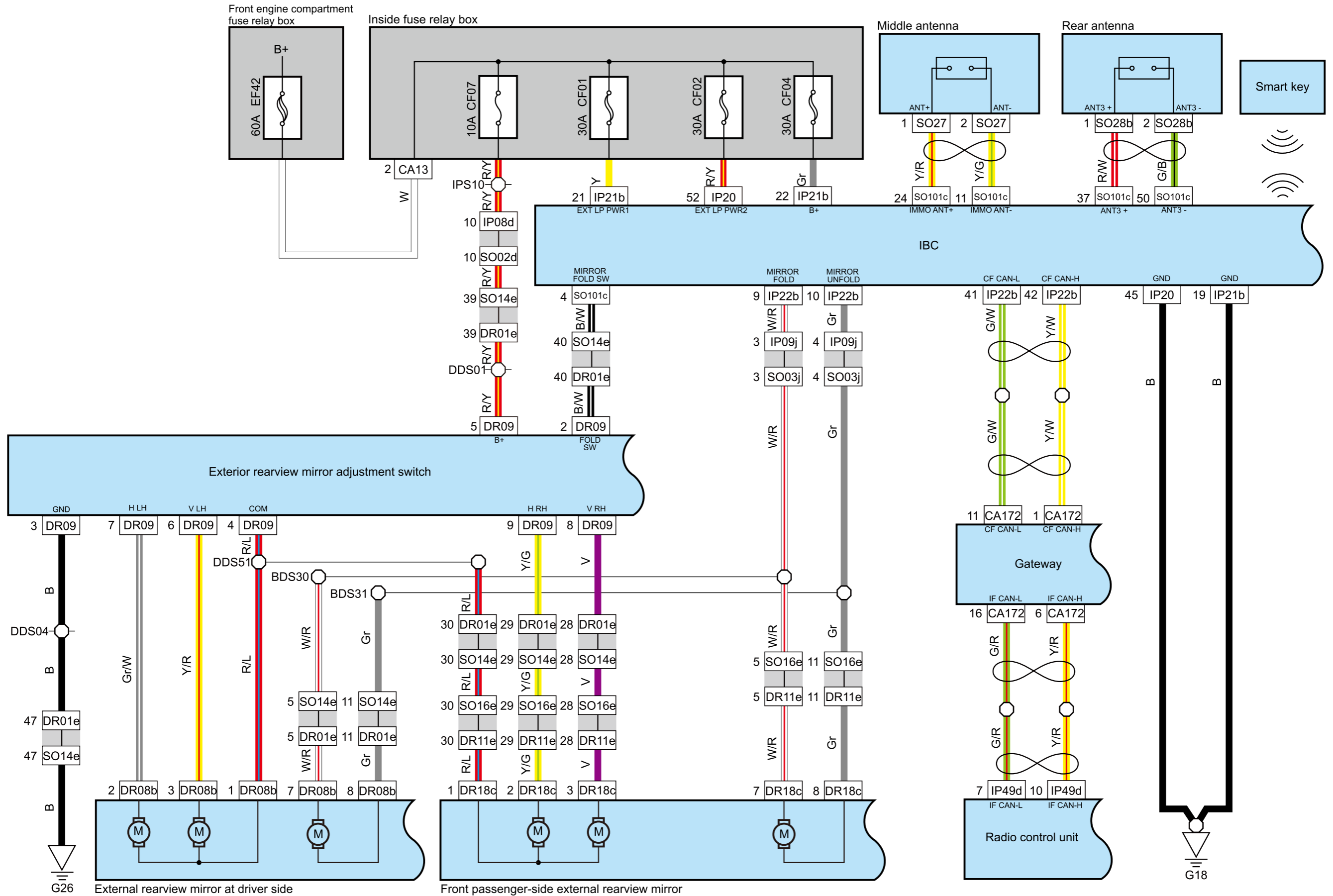
Central lock



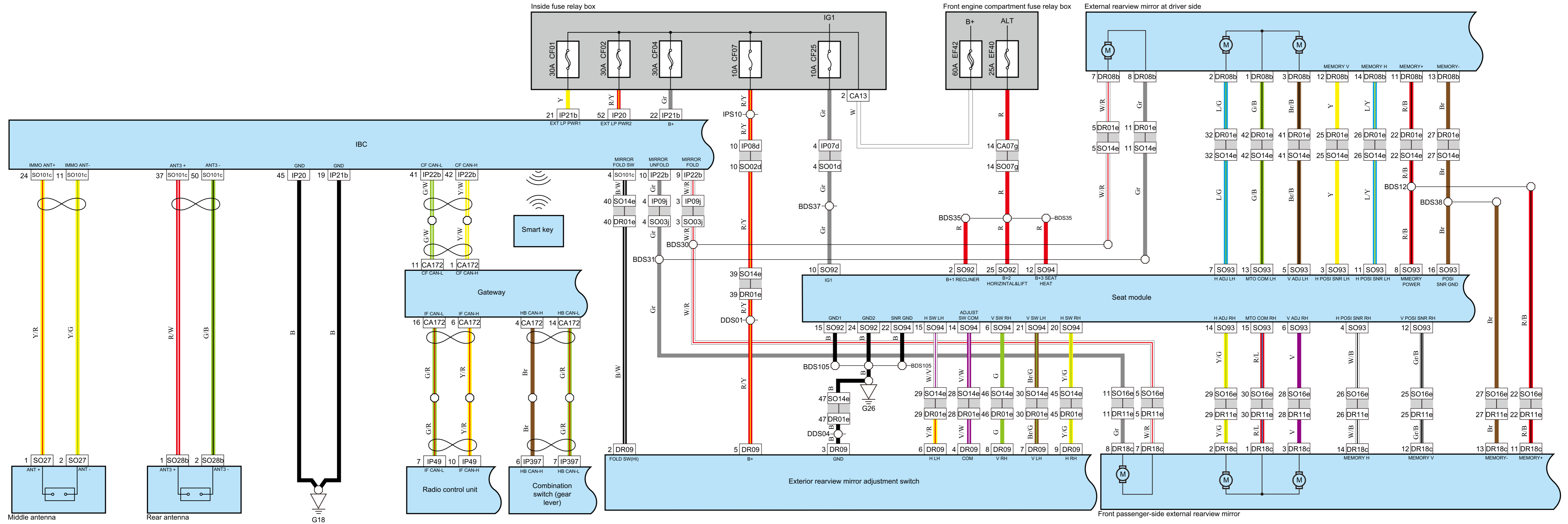
Concealed door handle



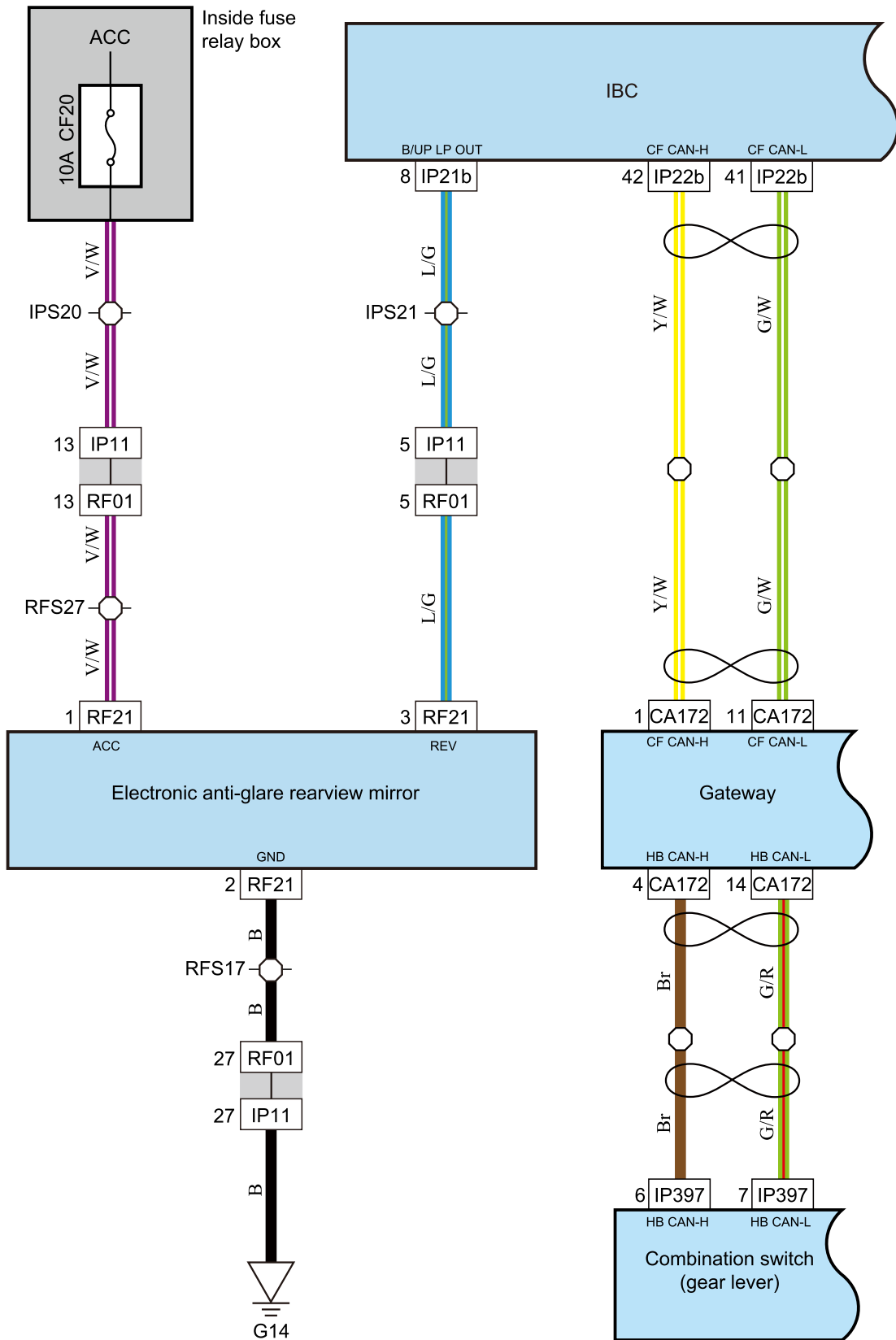
Power exterior rearview mirrors



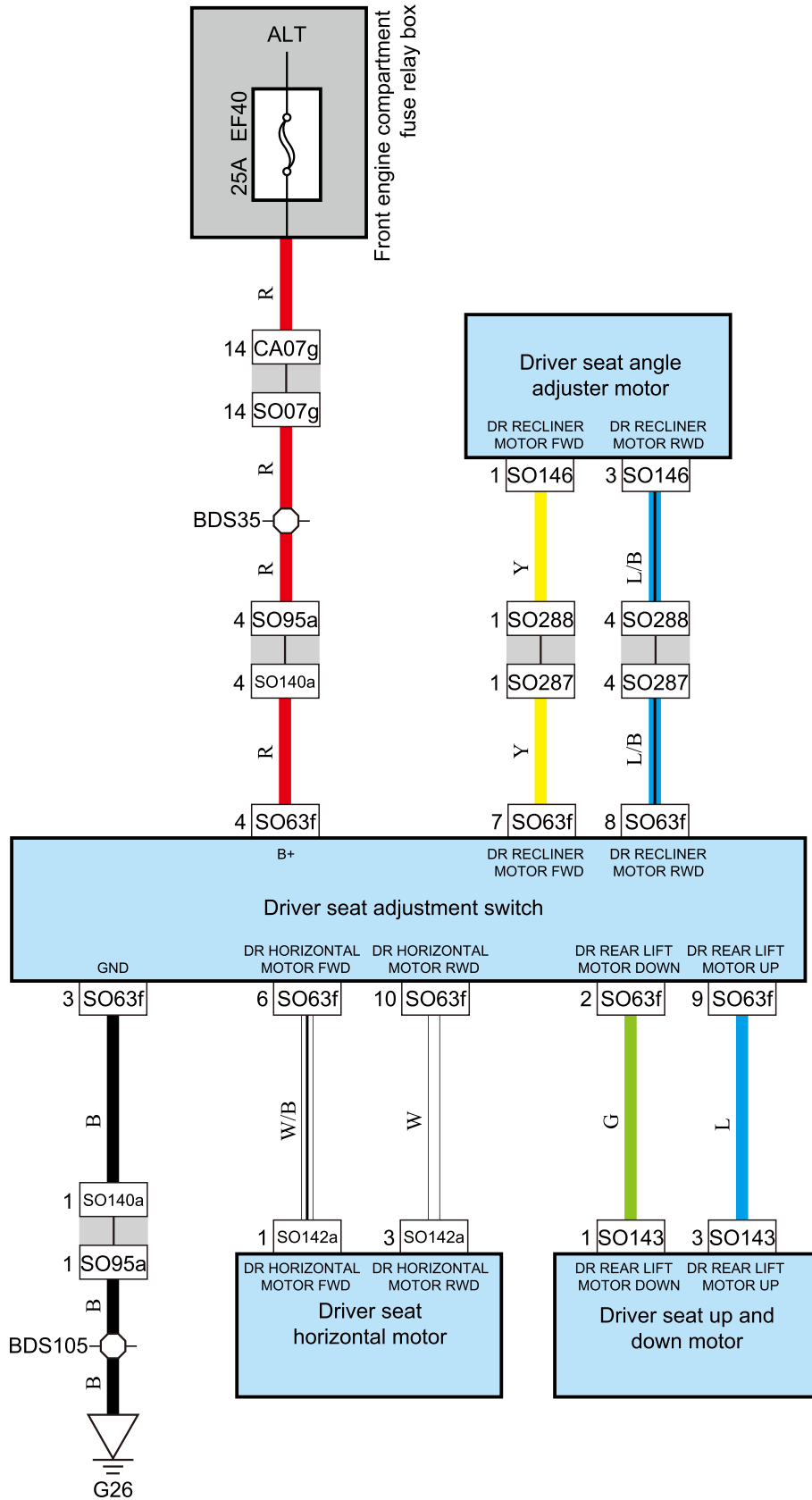
Power exterior rearview mirrors (memory)



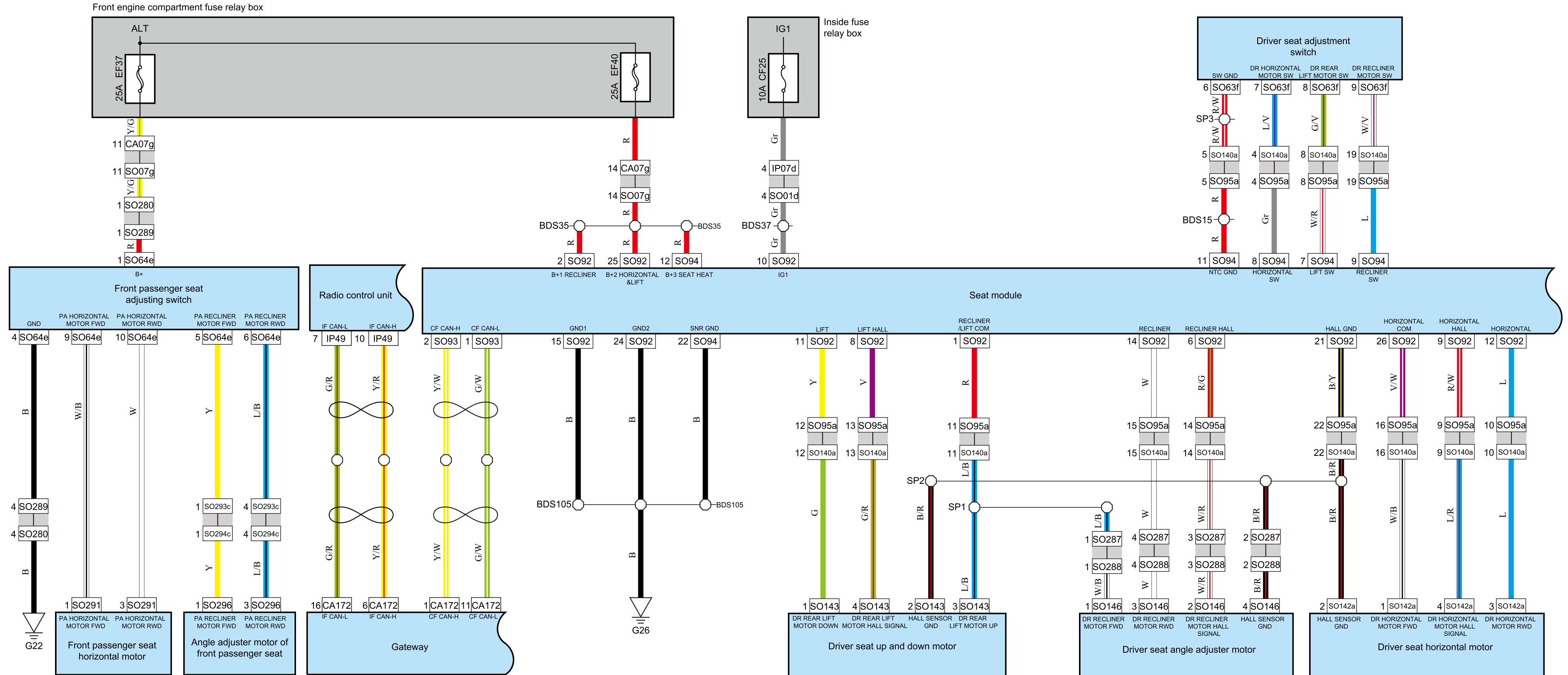
Electronic dimming interior mirror



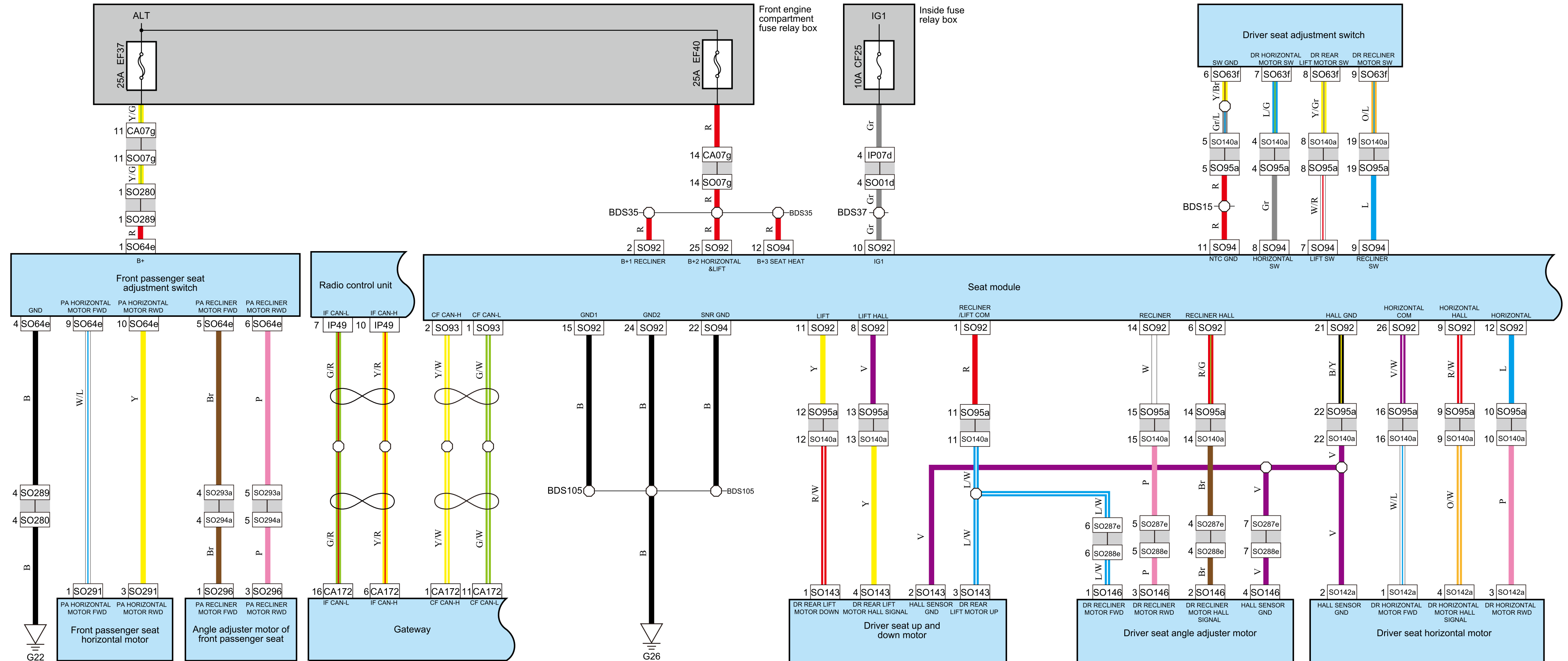
Power seat (non-seat memory model)



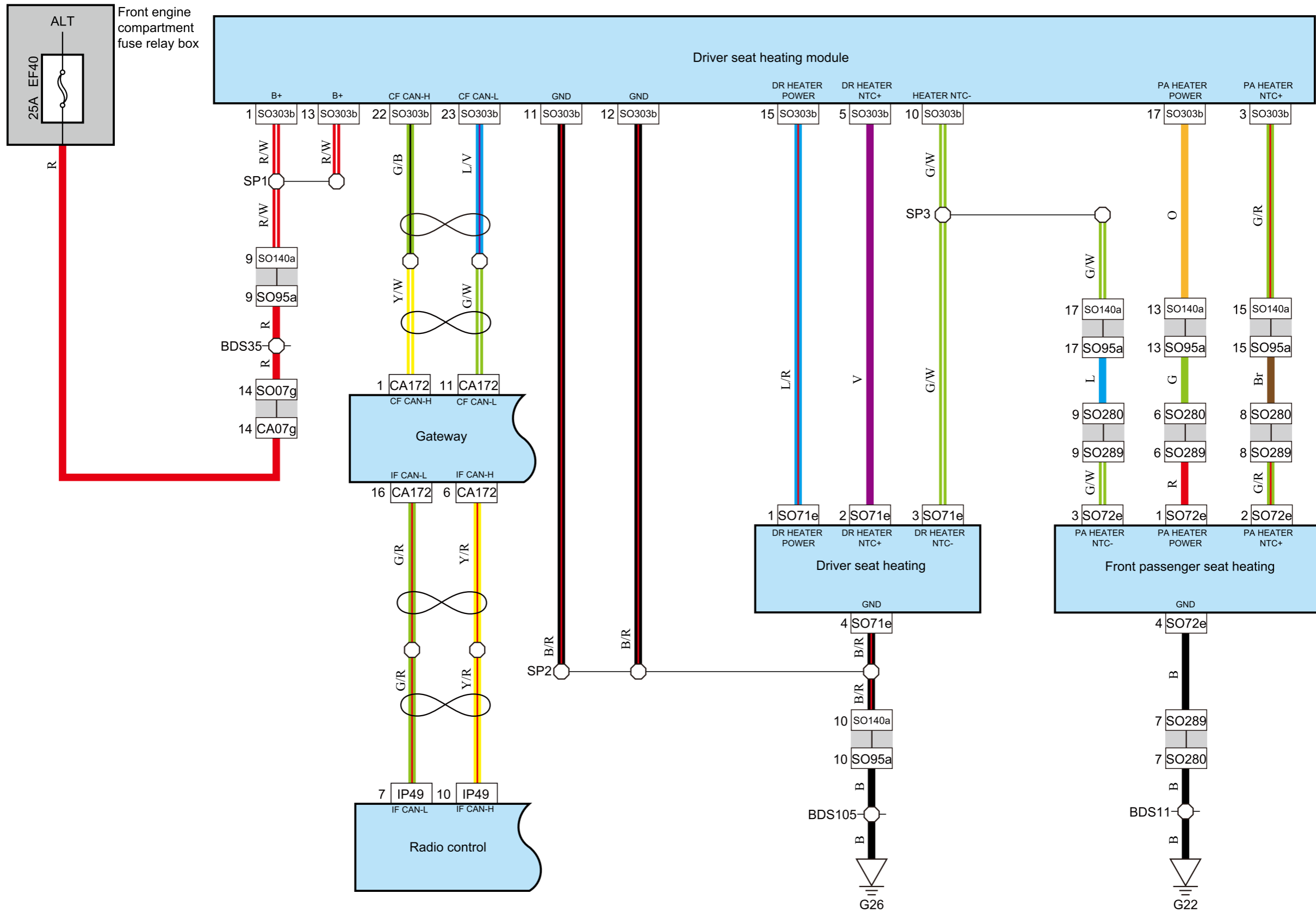
Power seat (domestic seat memory model)



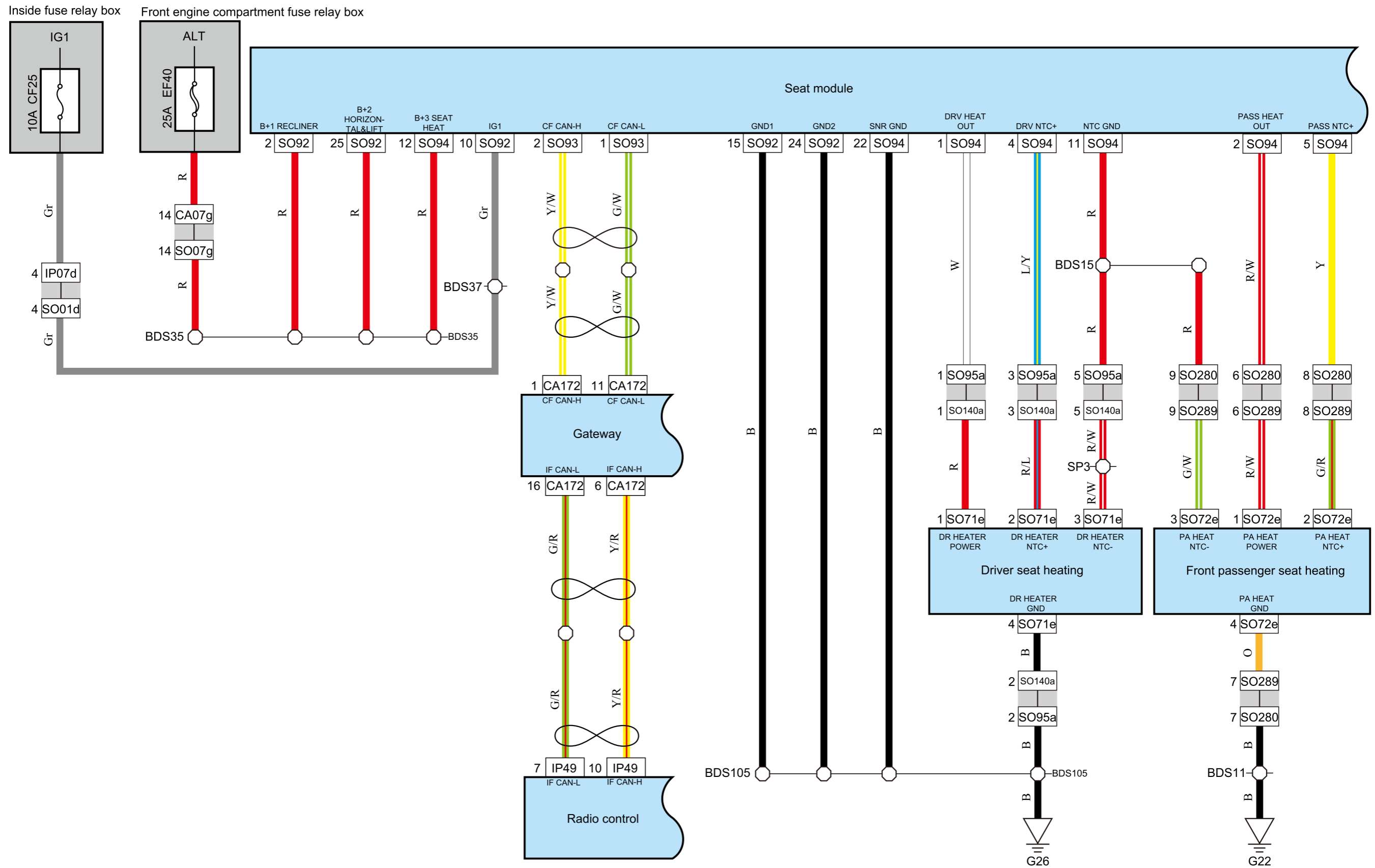
Power seat (overseas seat memory model)



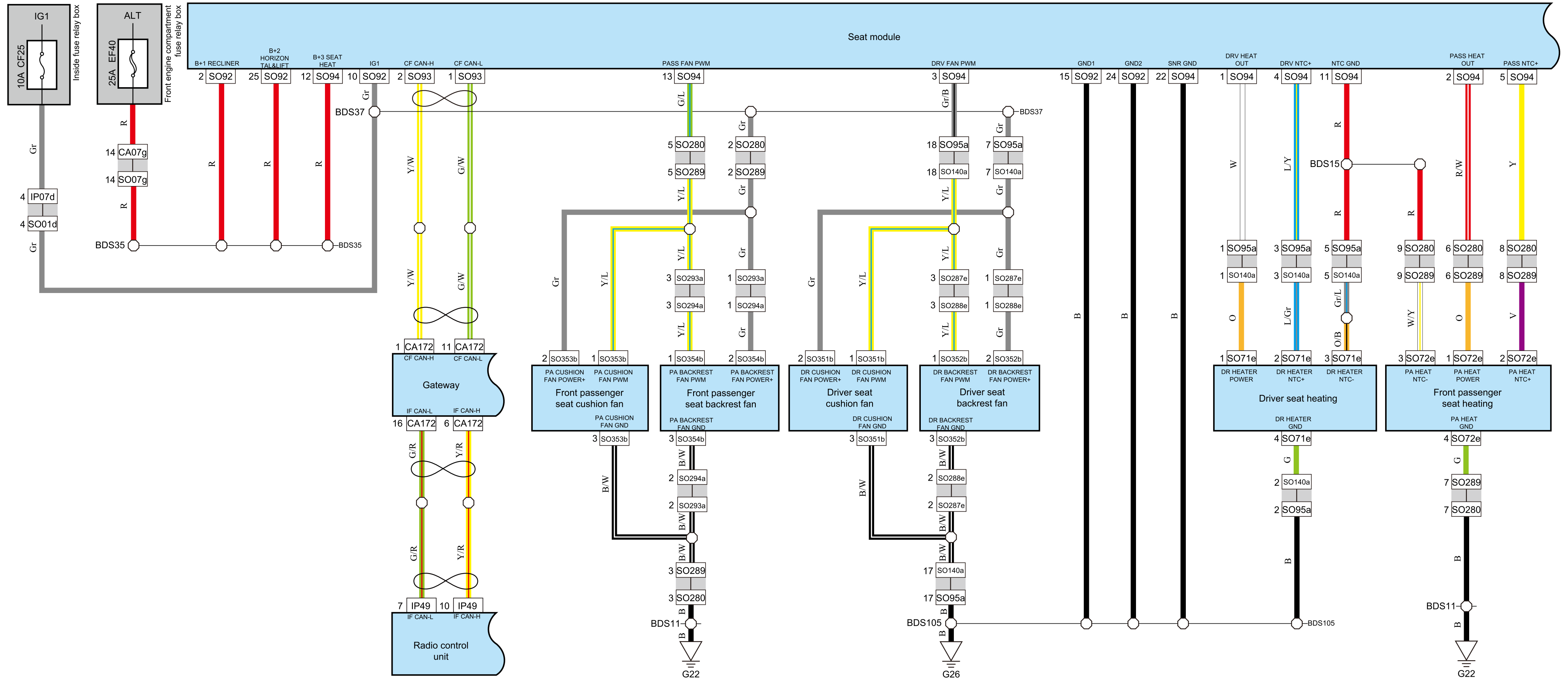
Seat heating (domestic non-seat memory model)



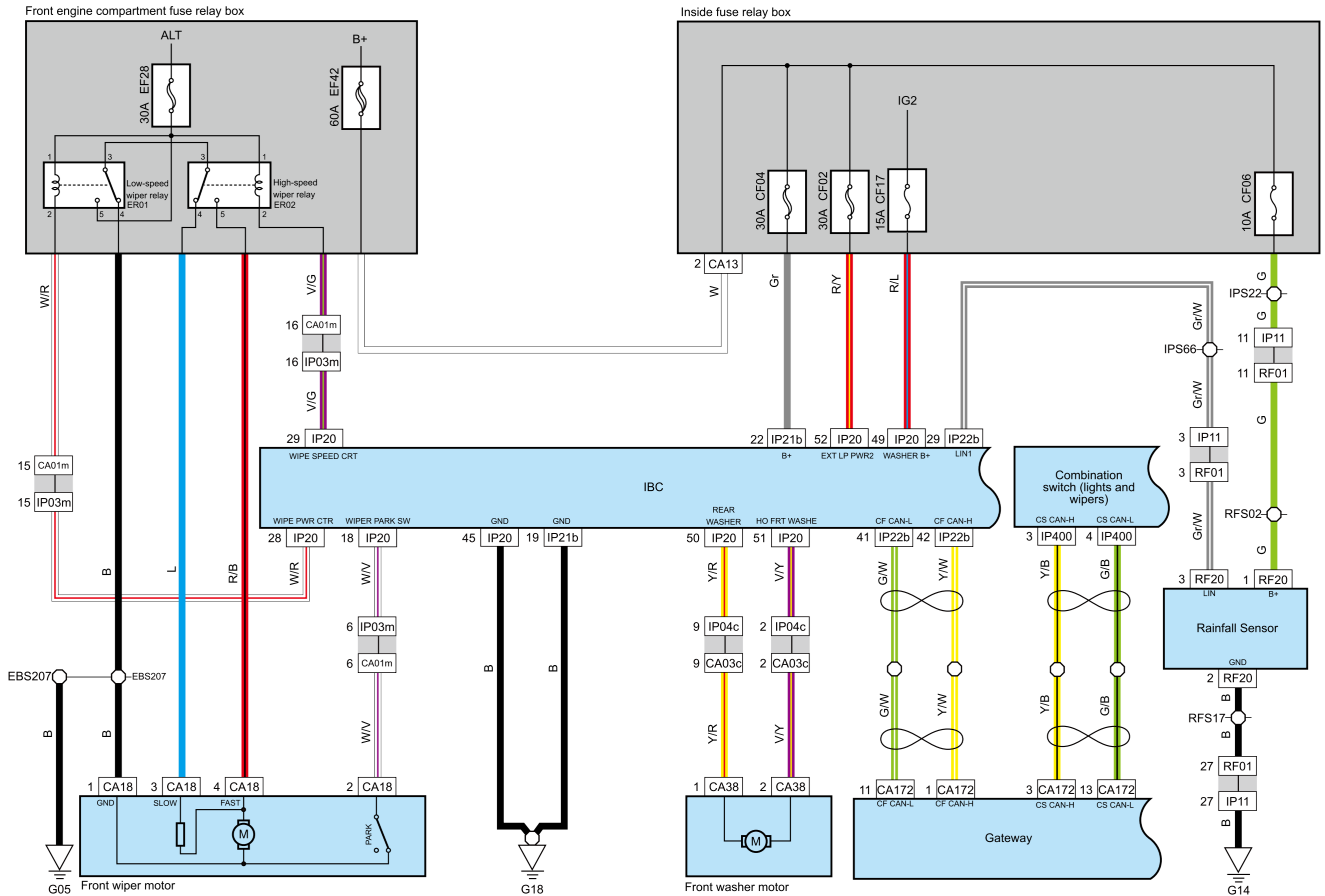
Seat heating (domestic seat memory model)



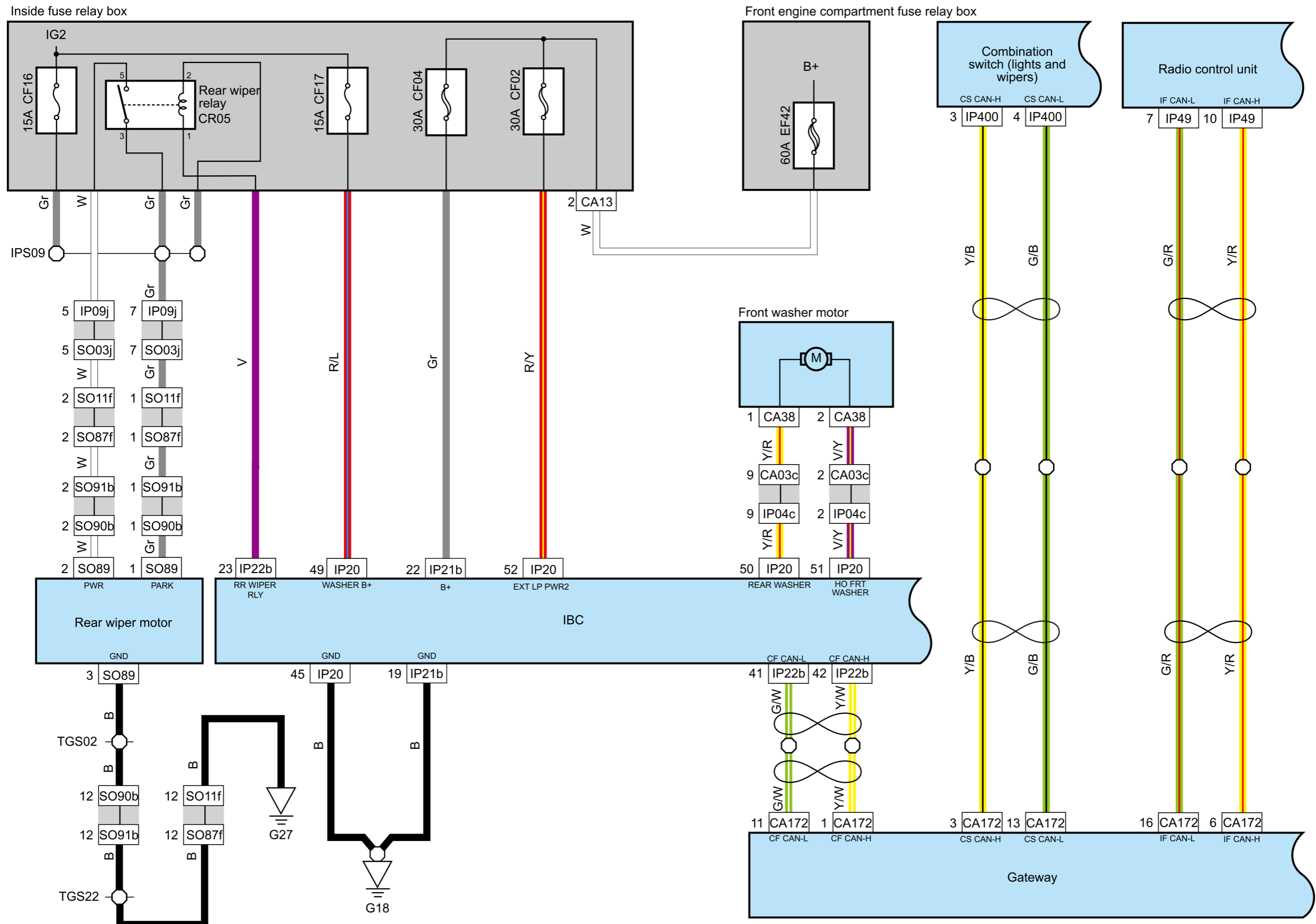
Seat heating, ventilation (overseas)



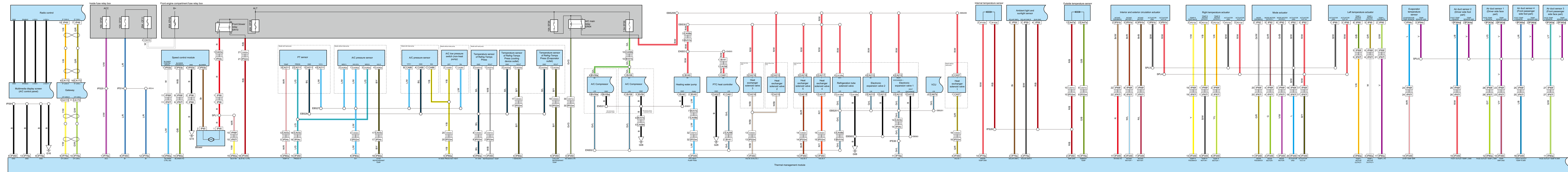
Front wiper washer system



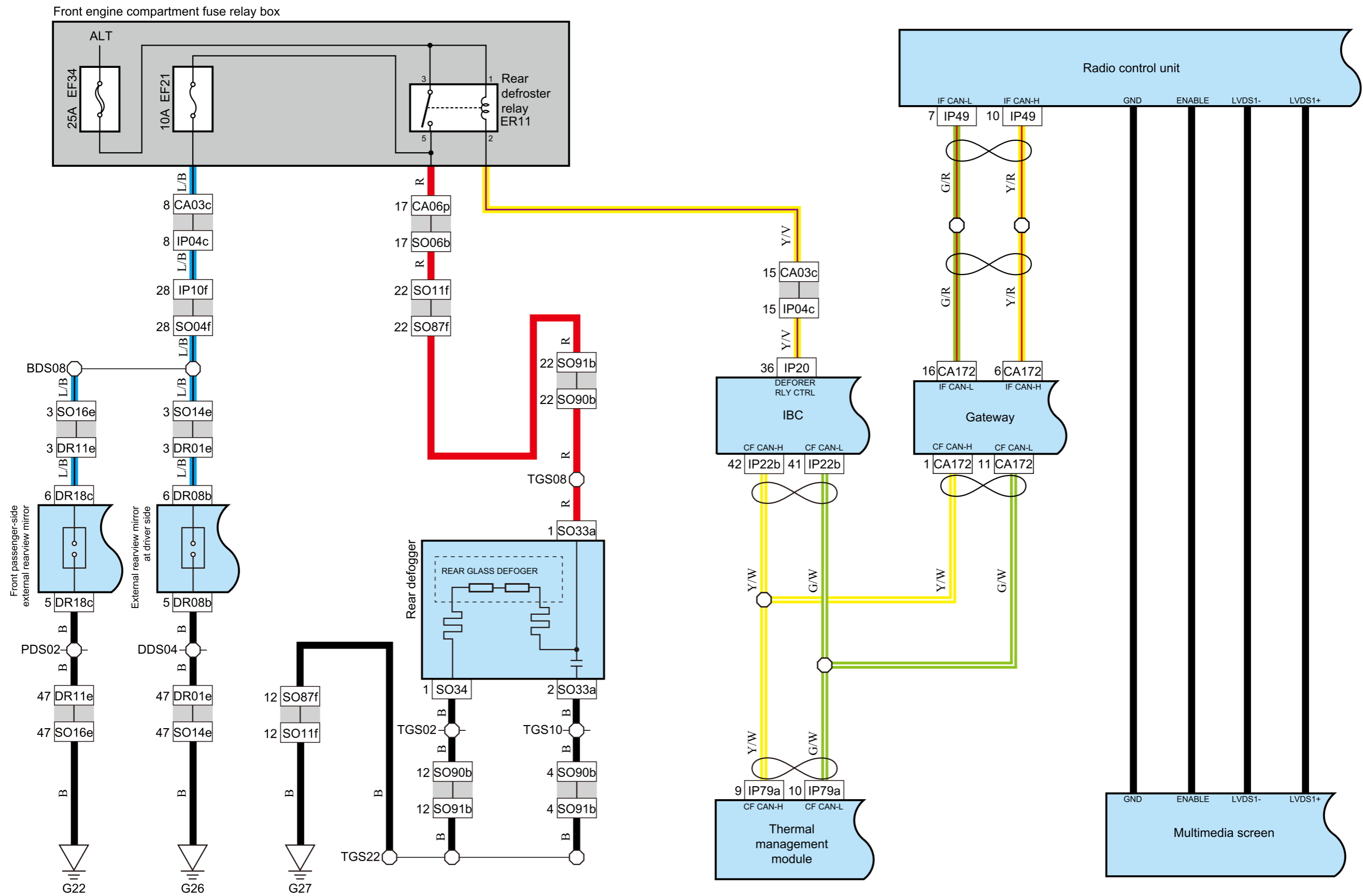
Rear wiper washer system



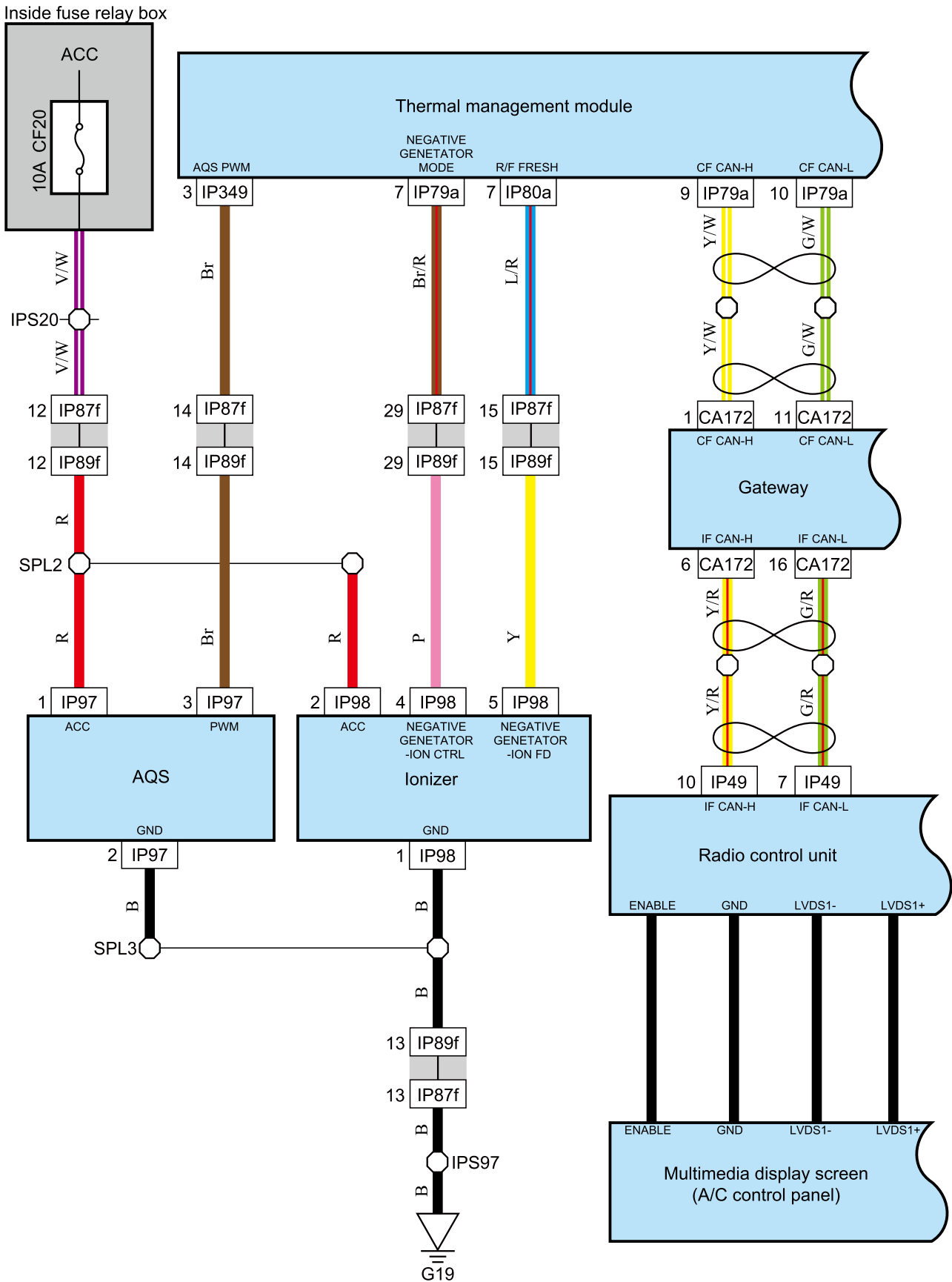
Automatic A/C



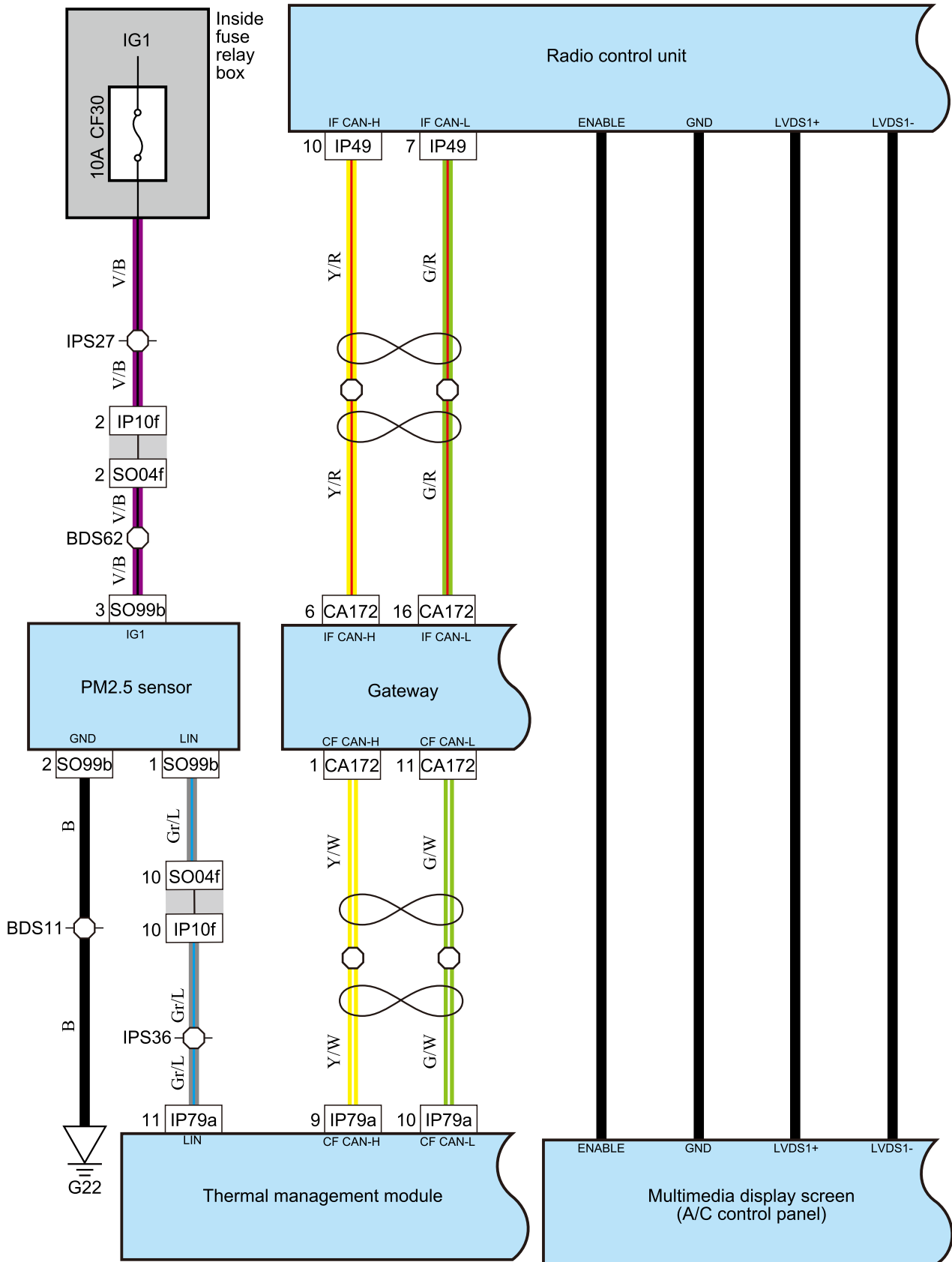
Defrosting control system



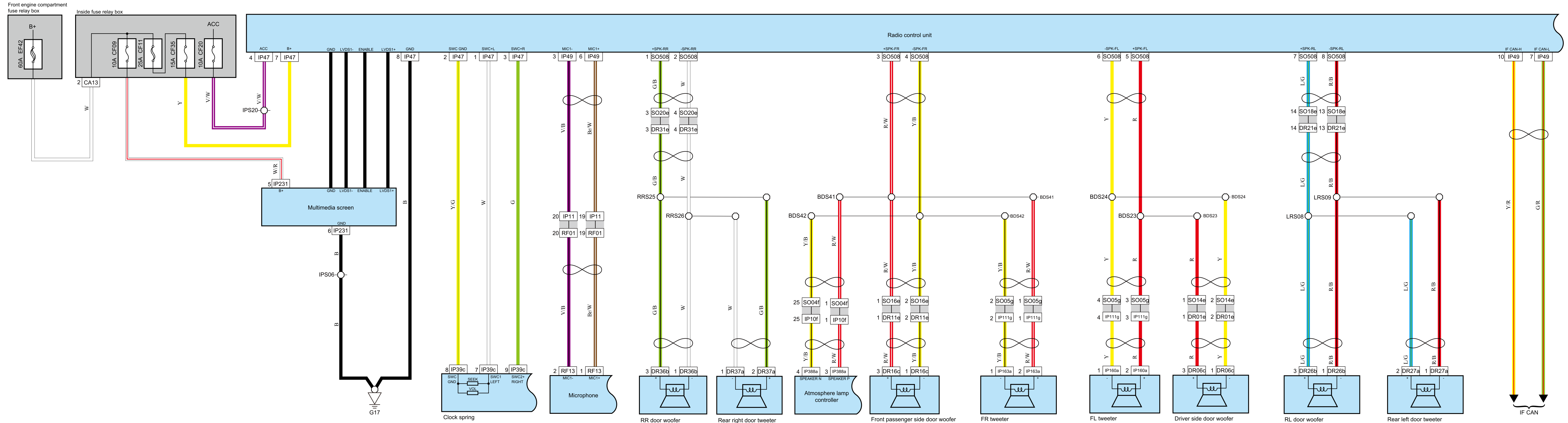
Air purifier



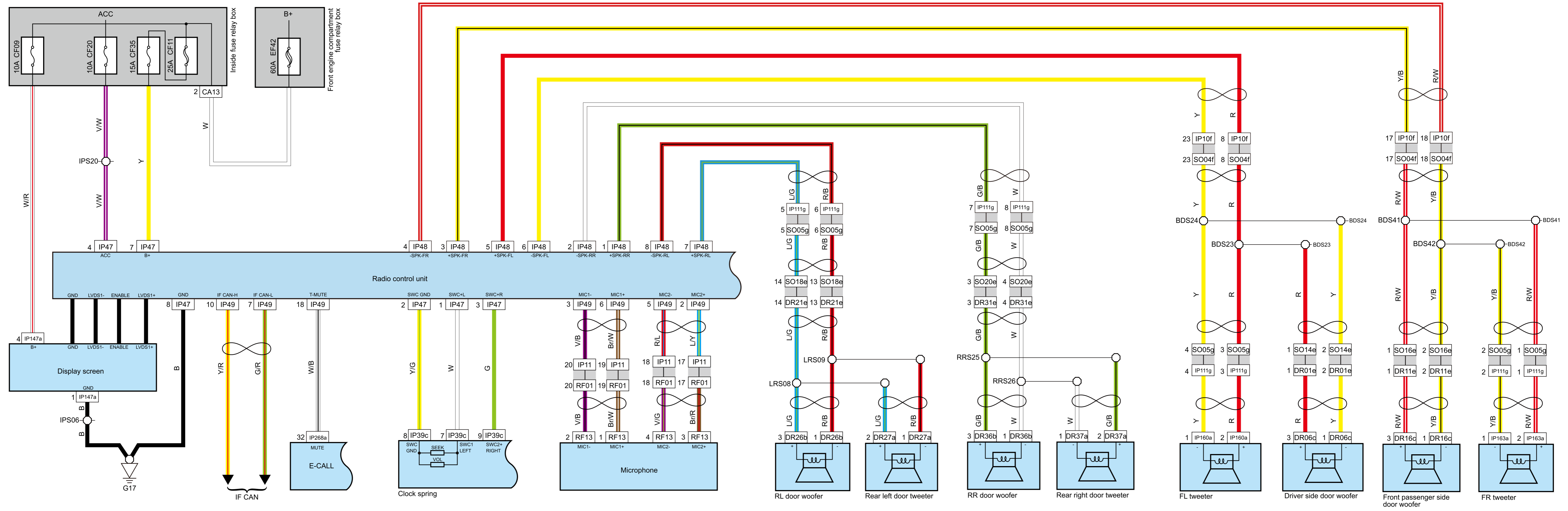
PM2.5



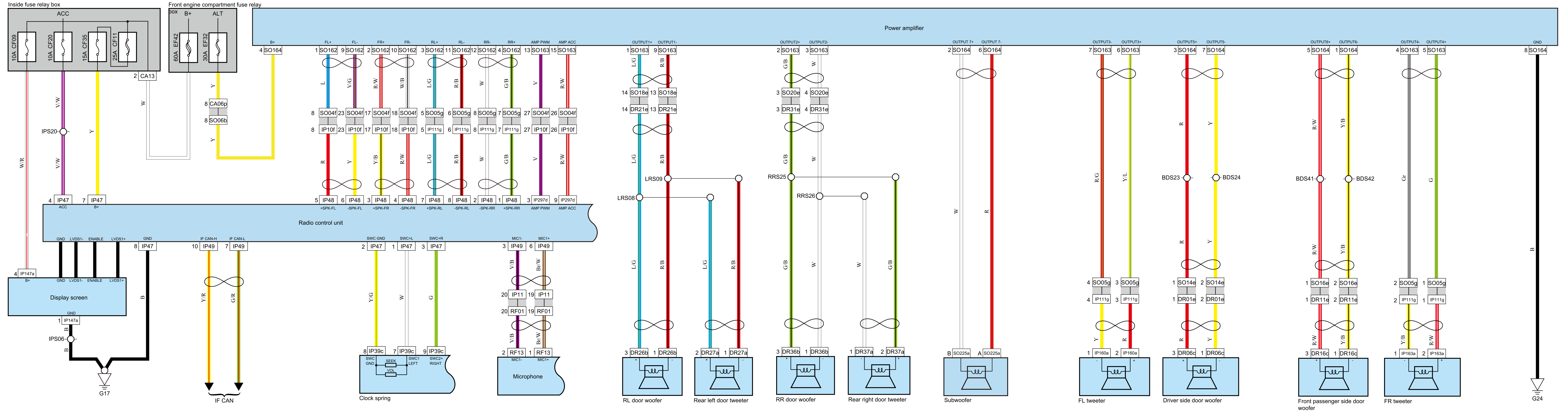
Head unit (domestic)



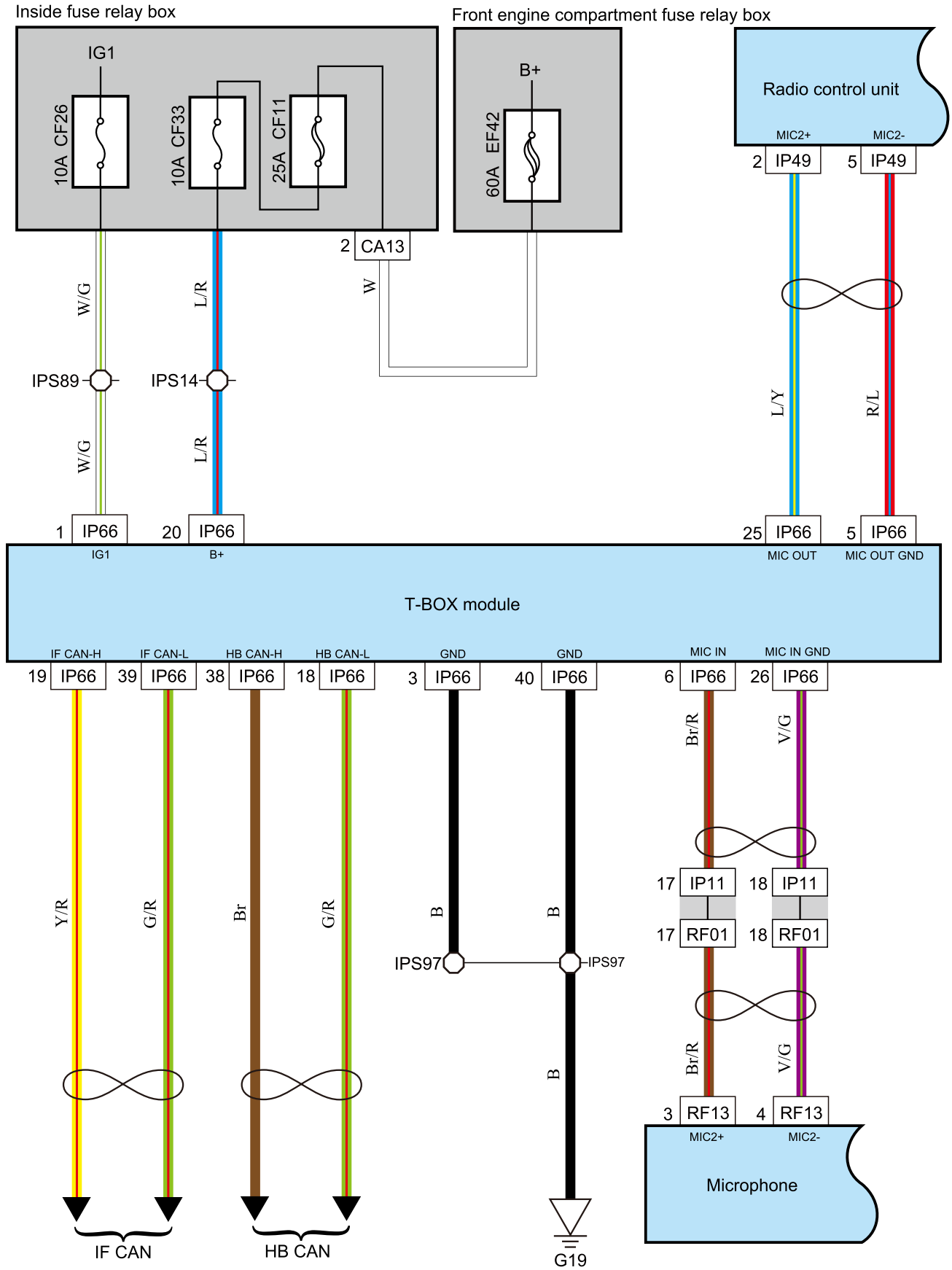
Head unit (overseas non-power amplifier model)



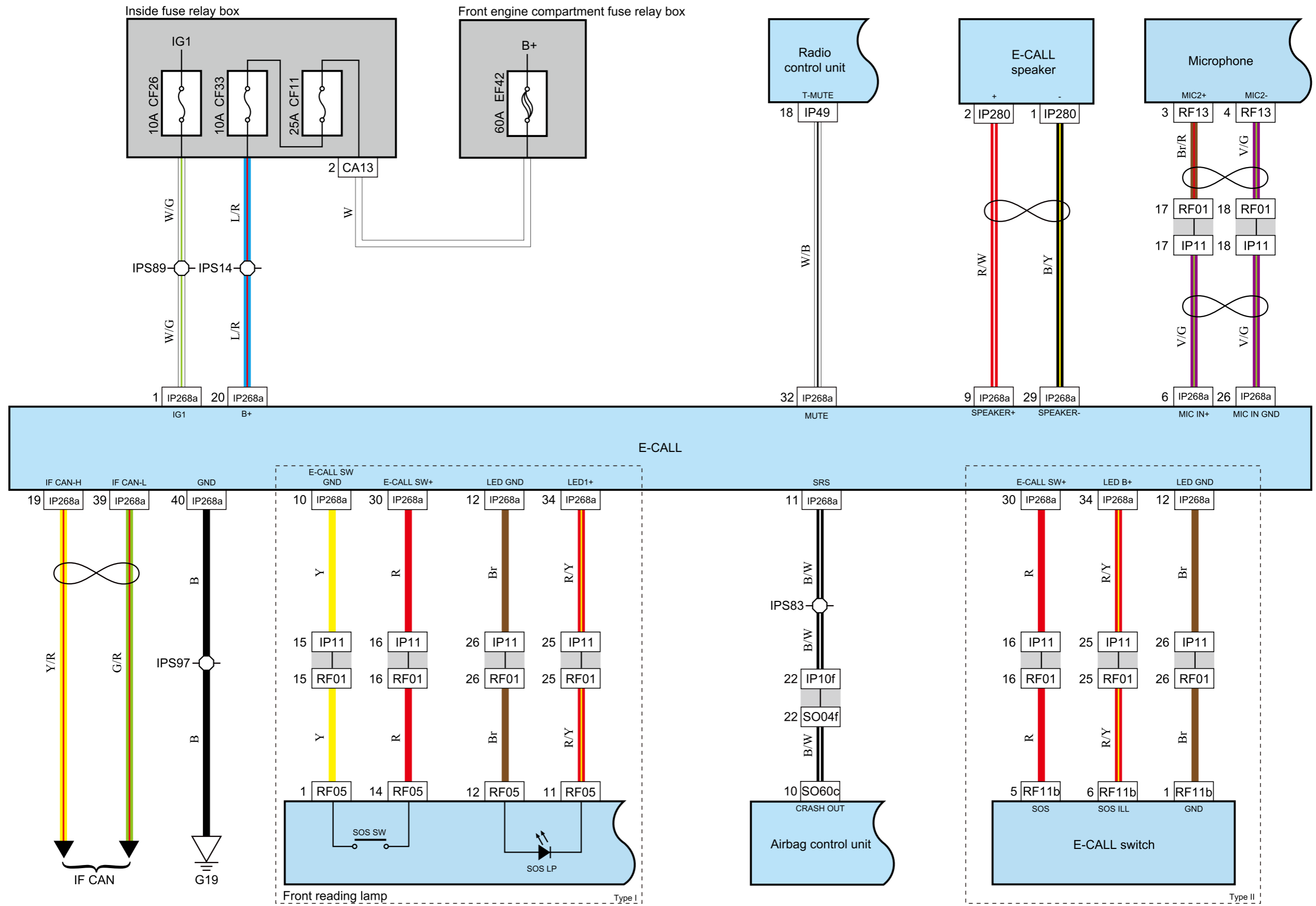
Head unit (overseas power amplifier model)



13.6.21 Vehicle-mounted information entertainment system T-BOX

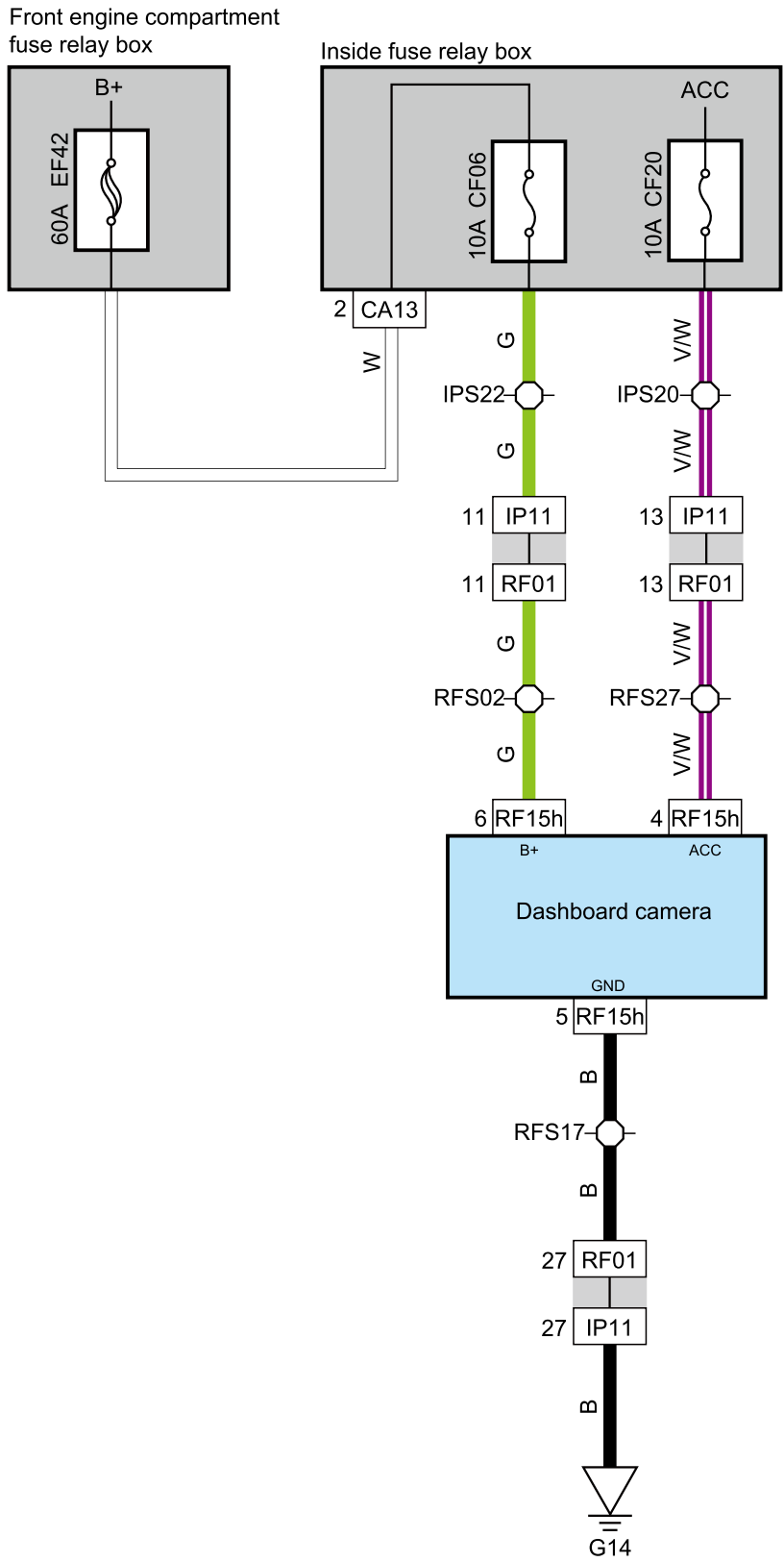


E-CALL

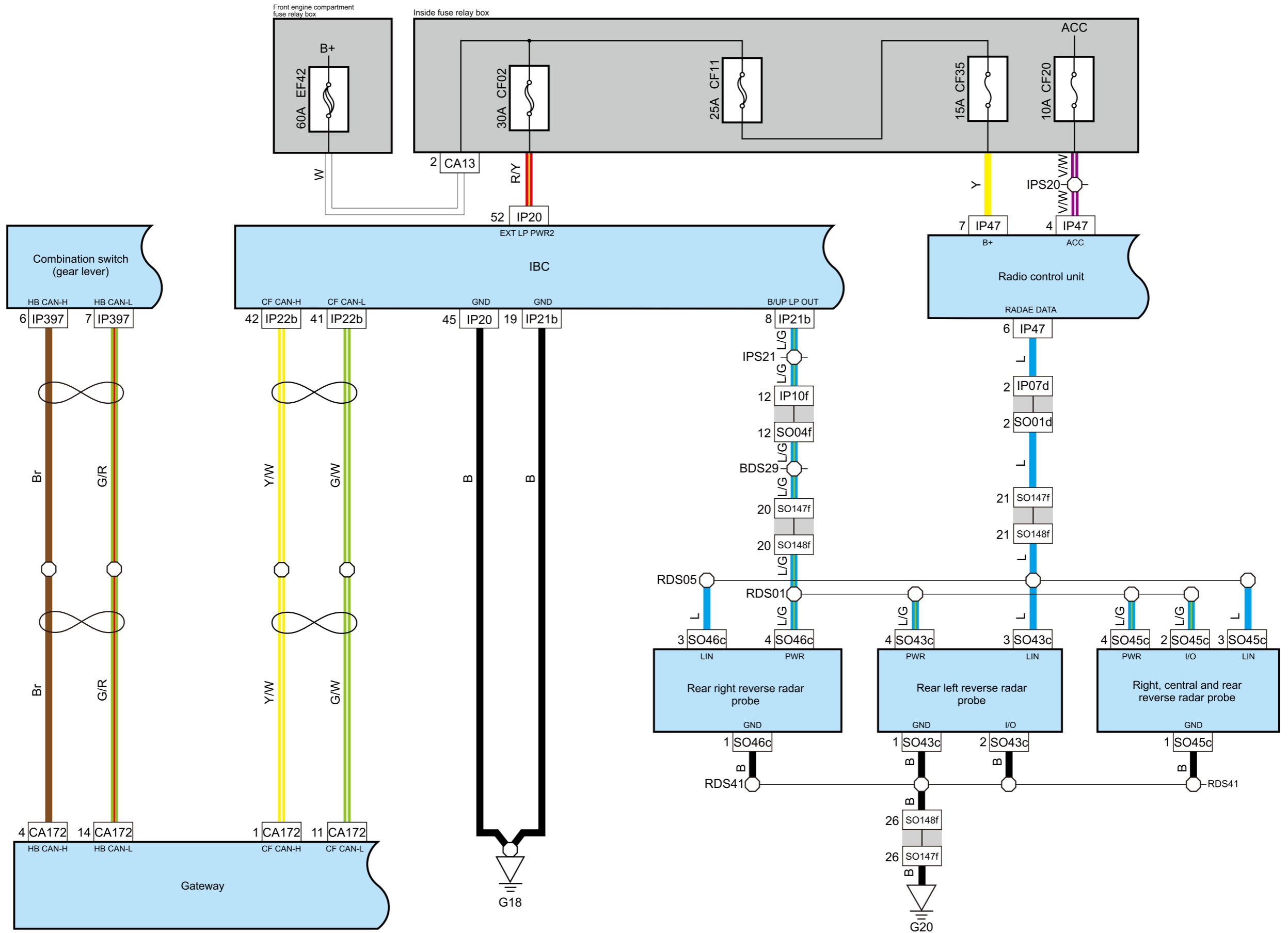


13.6.21 Vehicle-mounted information entertainment system

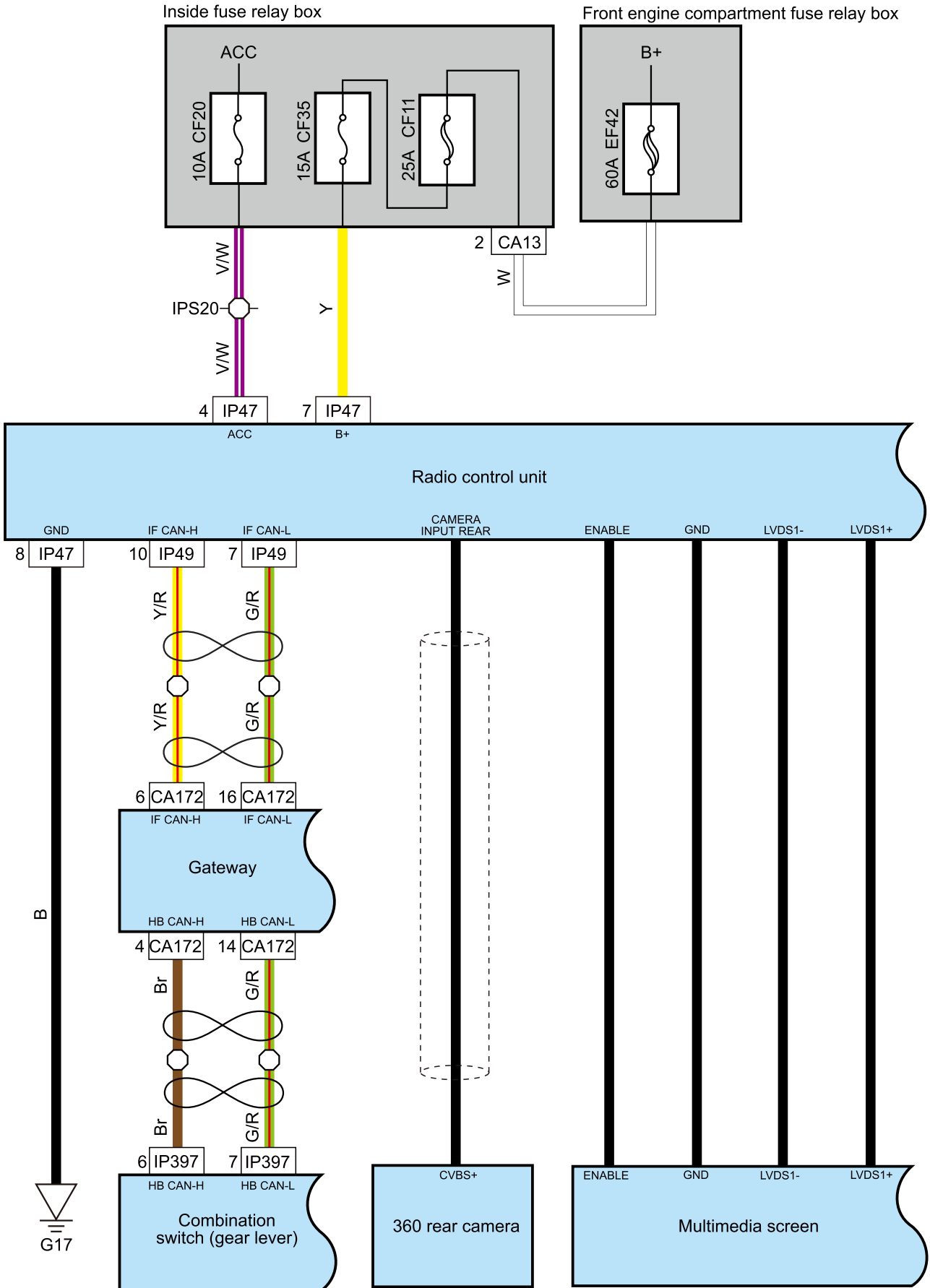
Dashboard camera



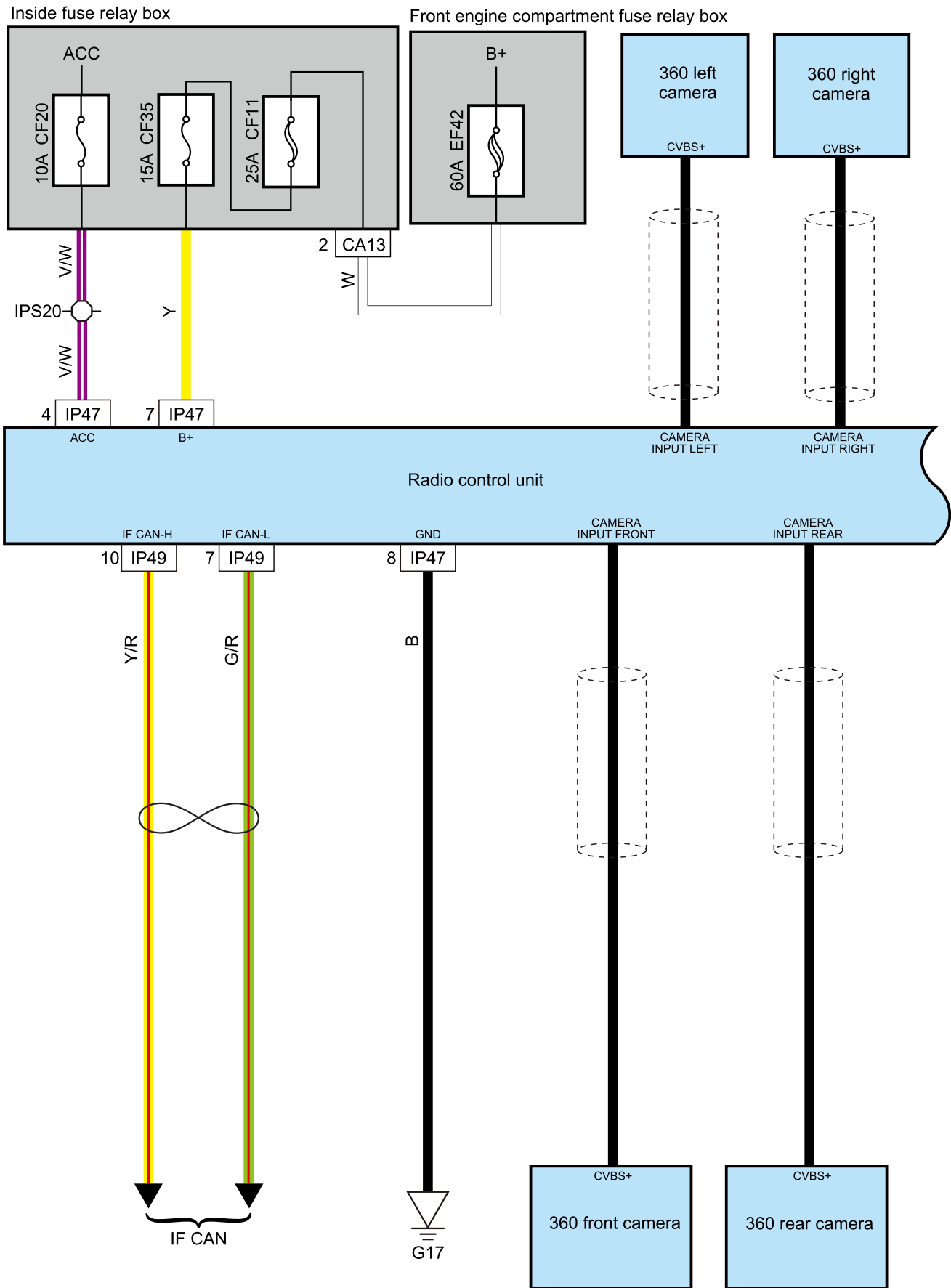
Reversing radar



Rear view camera

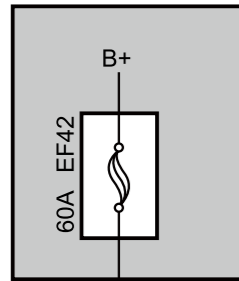


Around view monitor (Head unit module model)

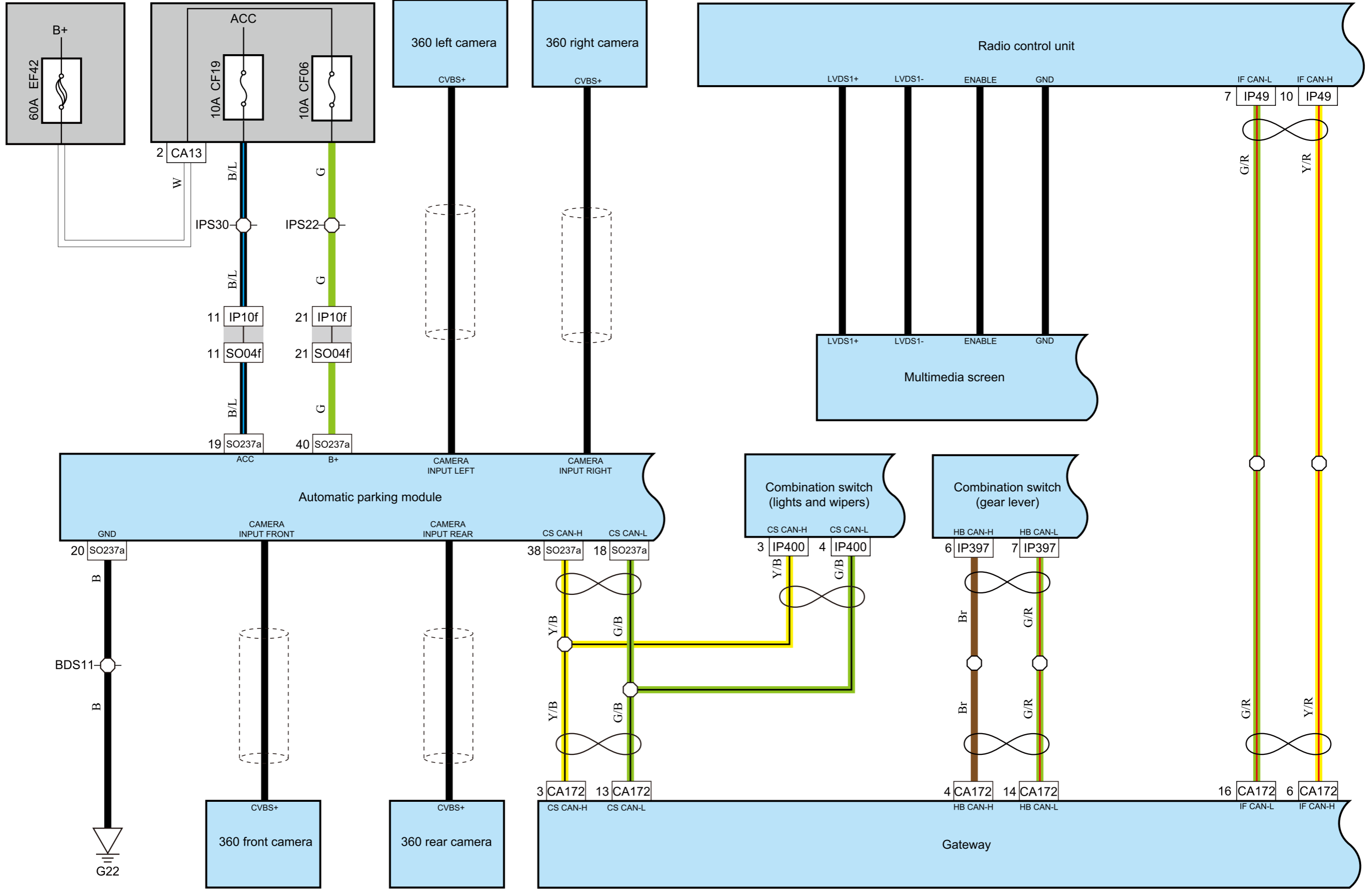
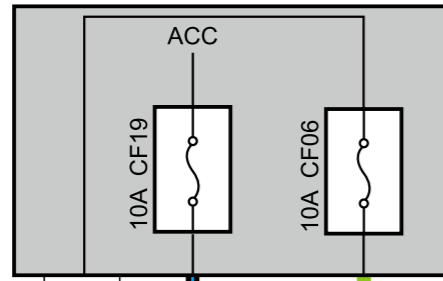


Around view monitor (automatic parking module model)

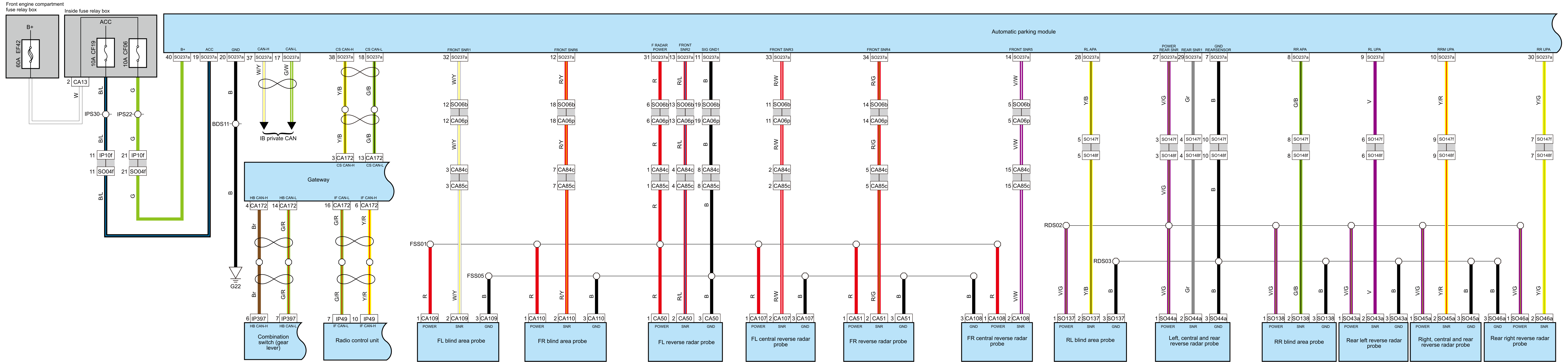
Front engine compartment fuse relay box



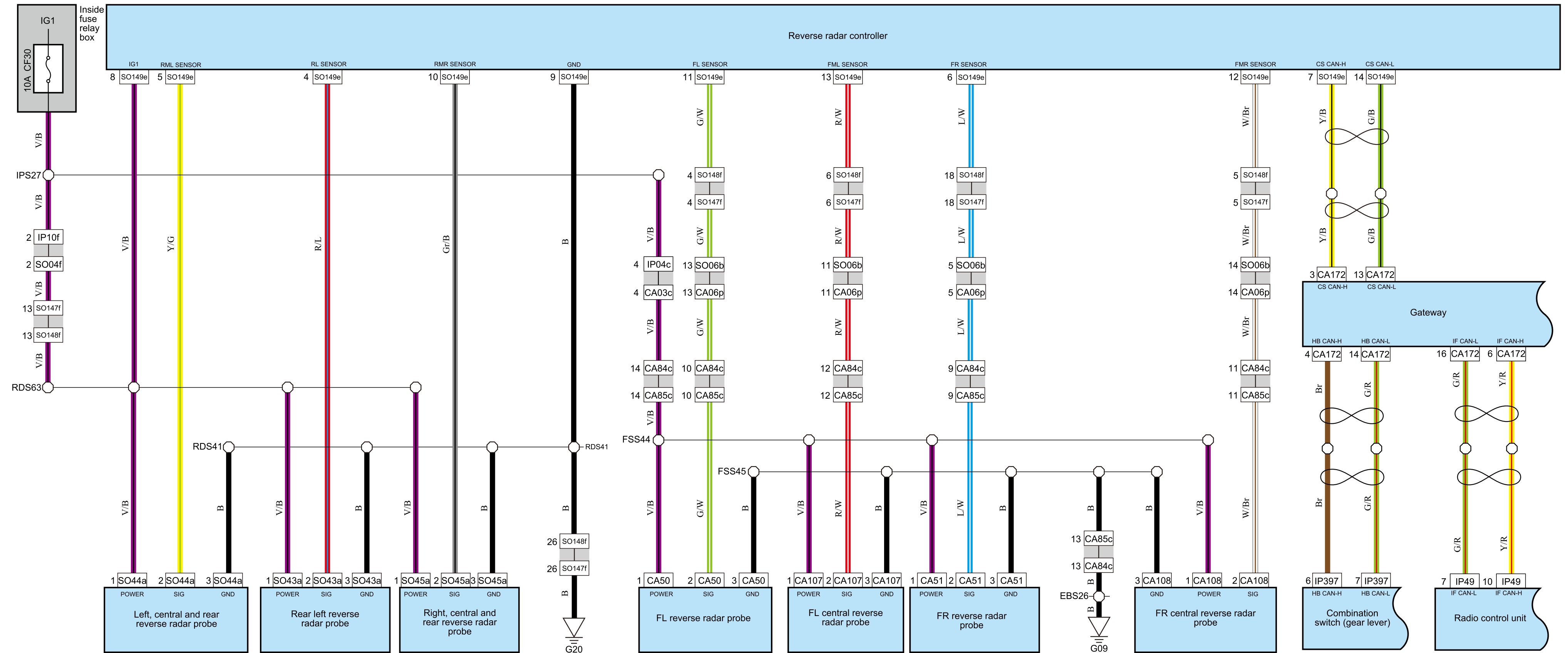
Inside fuse relay box



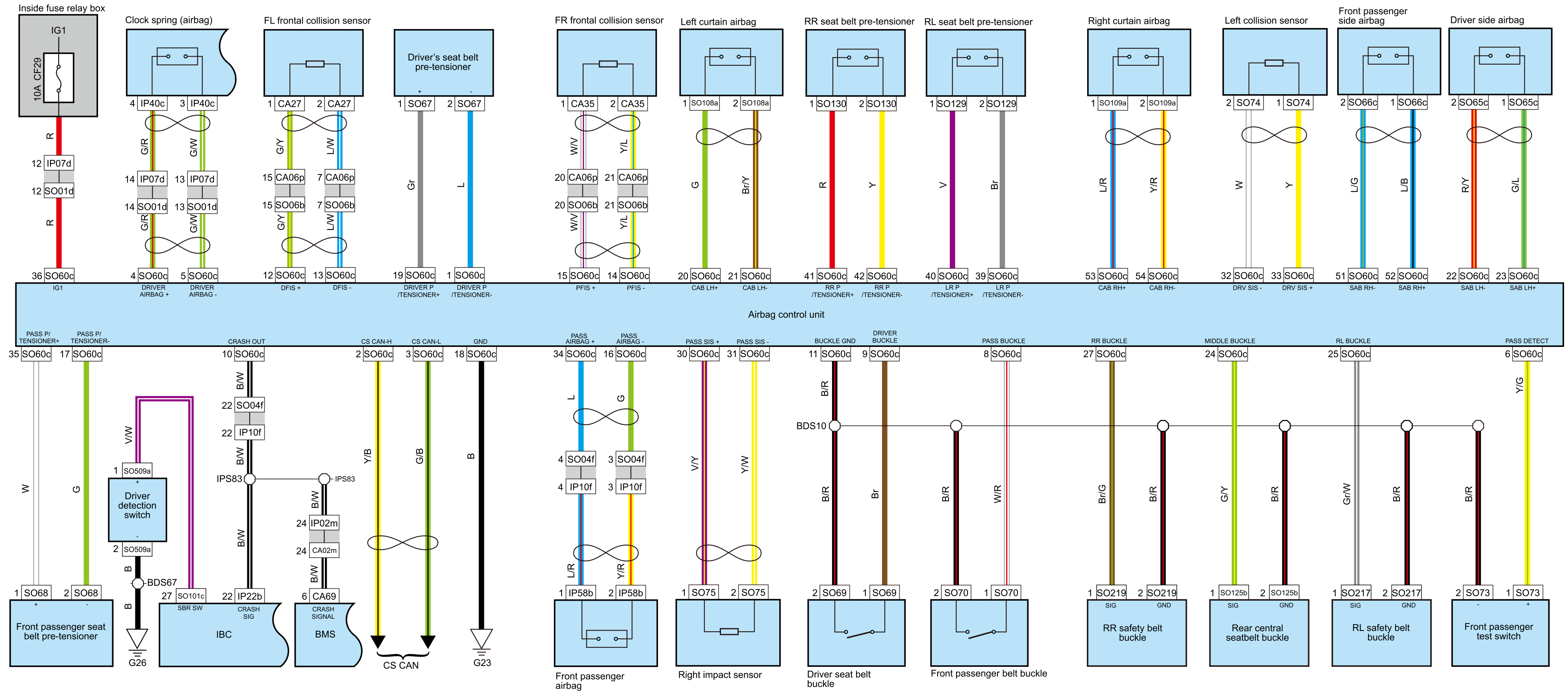
Automatic parking (domestic)



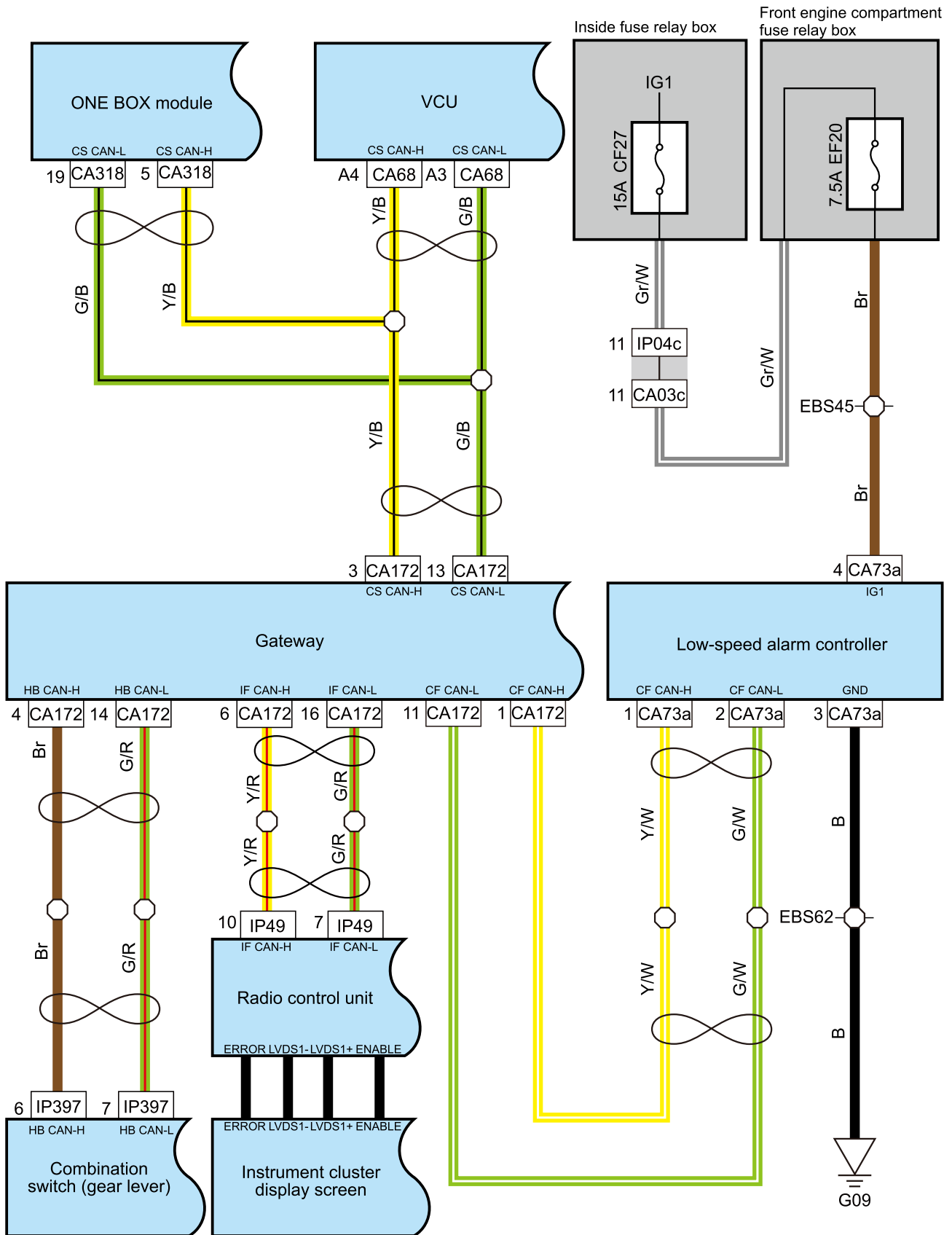
Automatic parking (overseas)



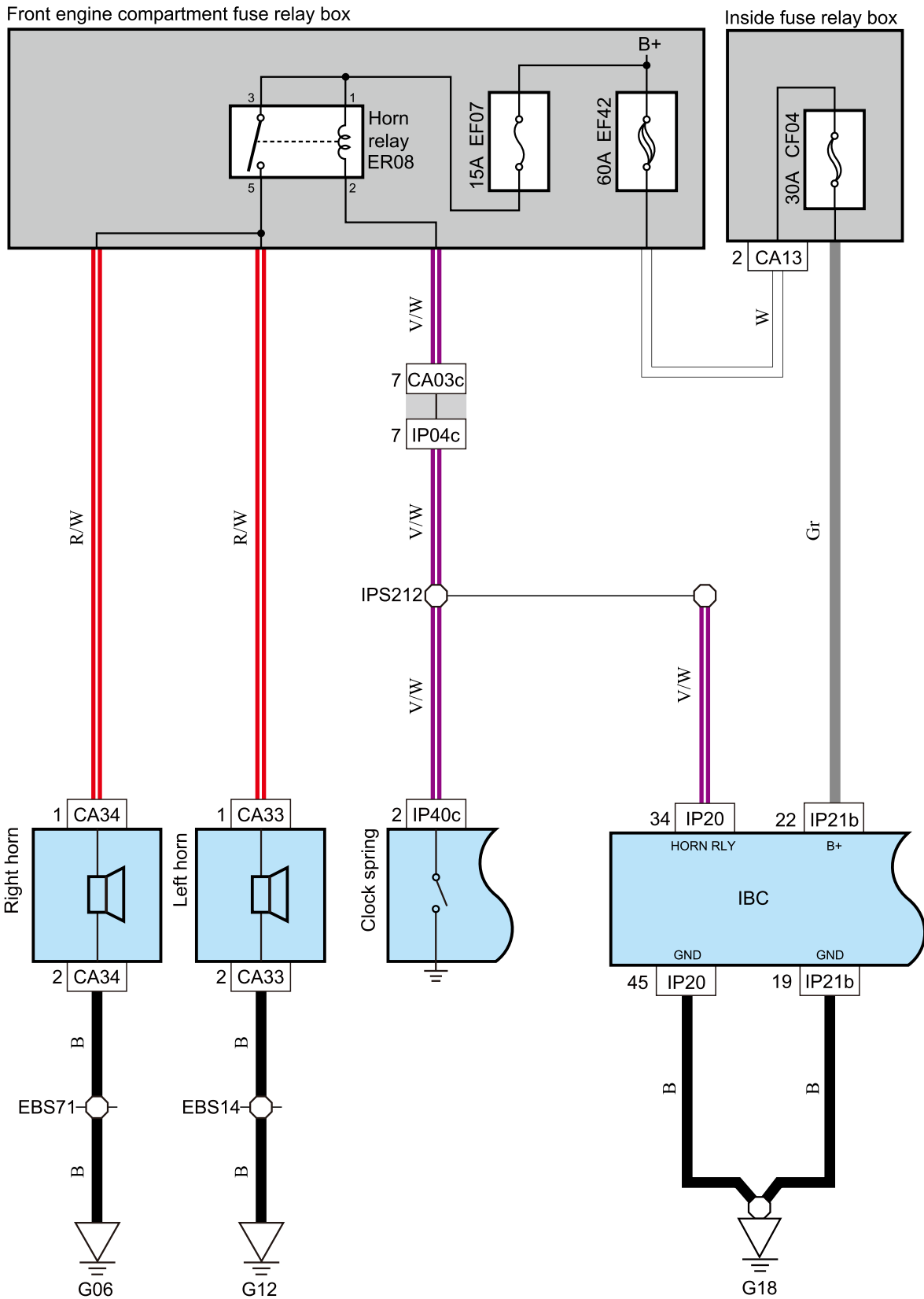
Airbag control system



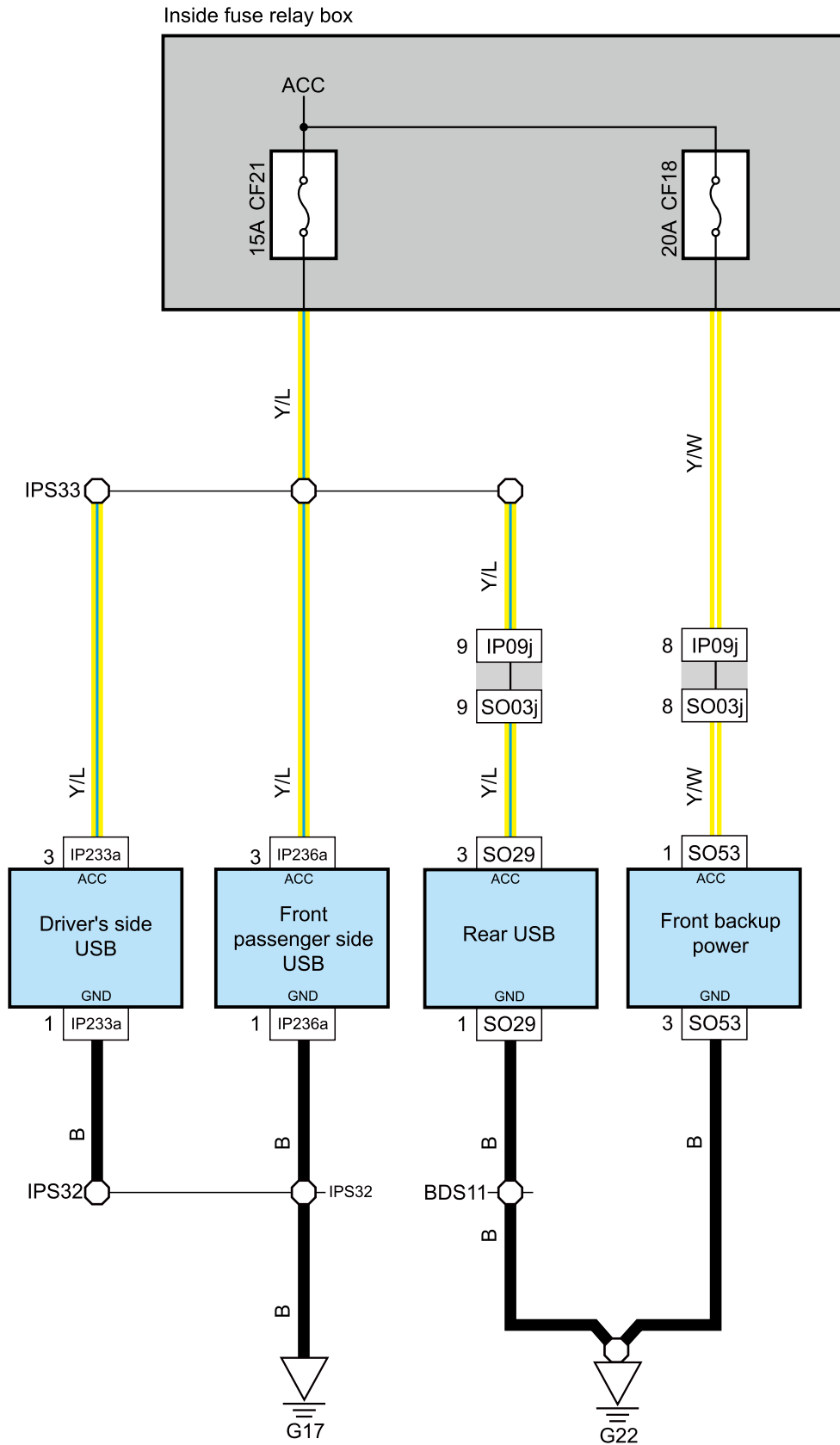
Low-speed alarm



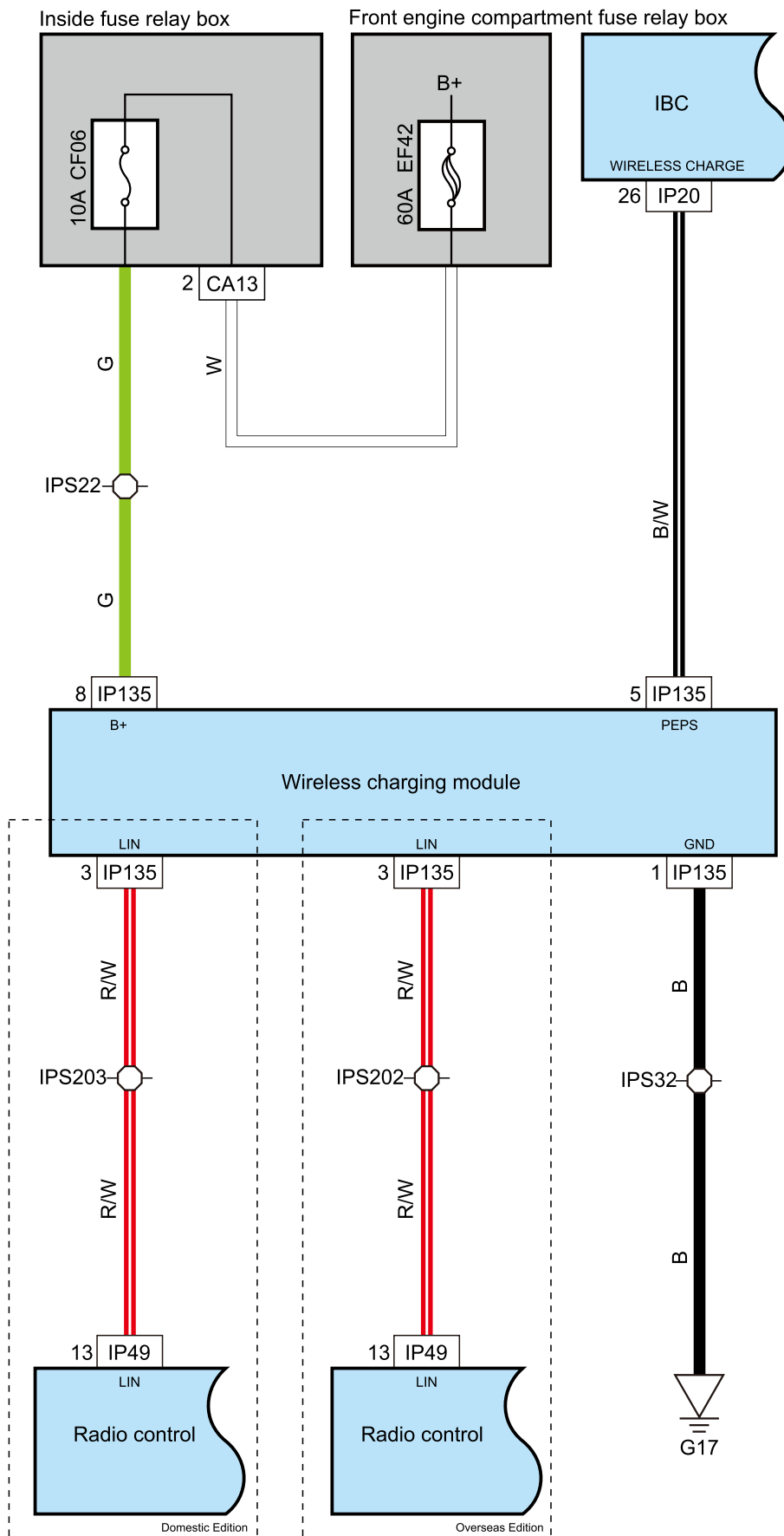
Horn



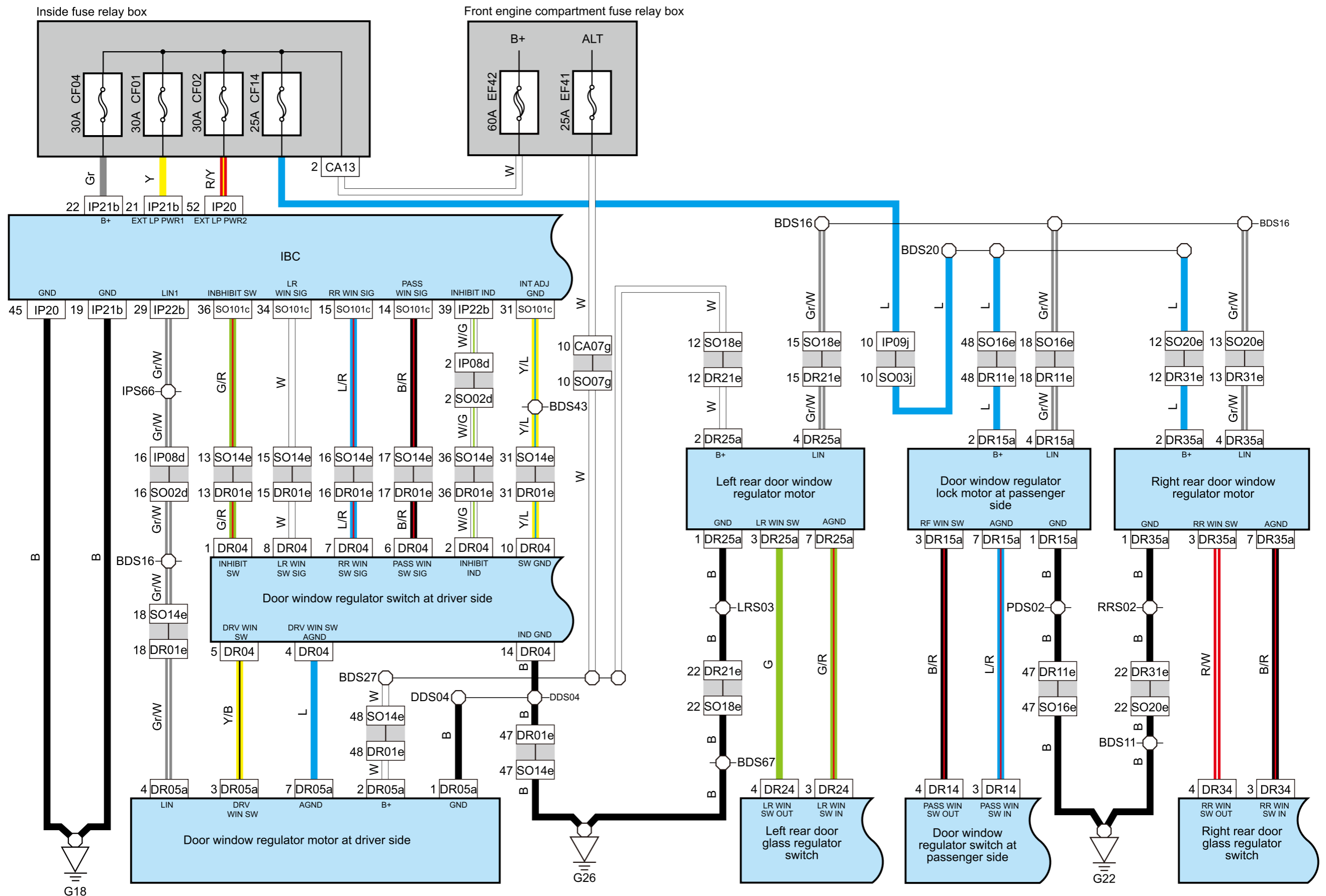
On-board power supply



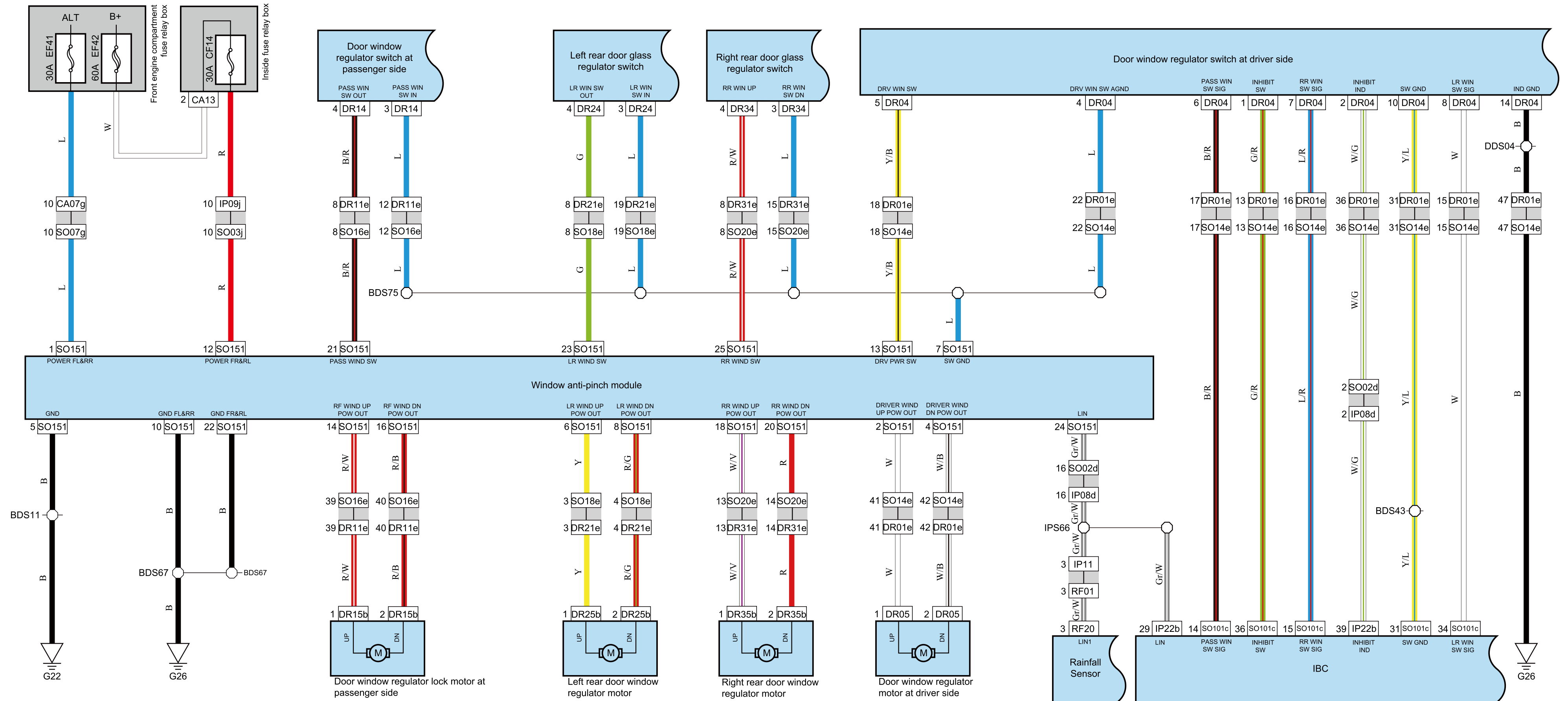
Wireless charging



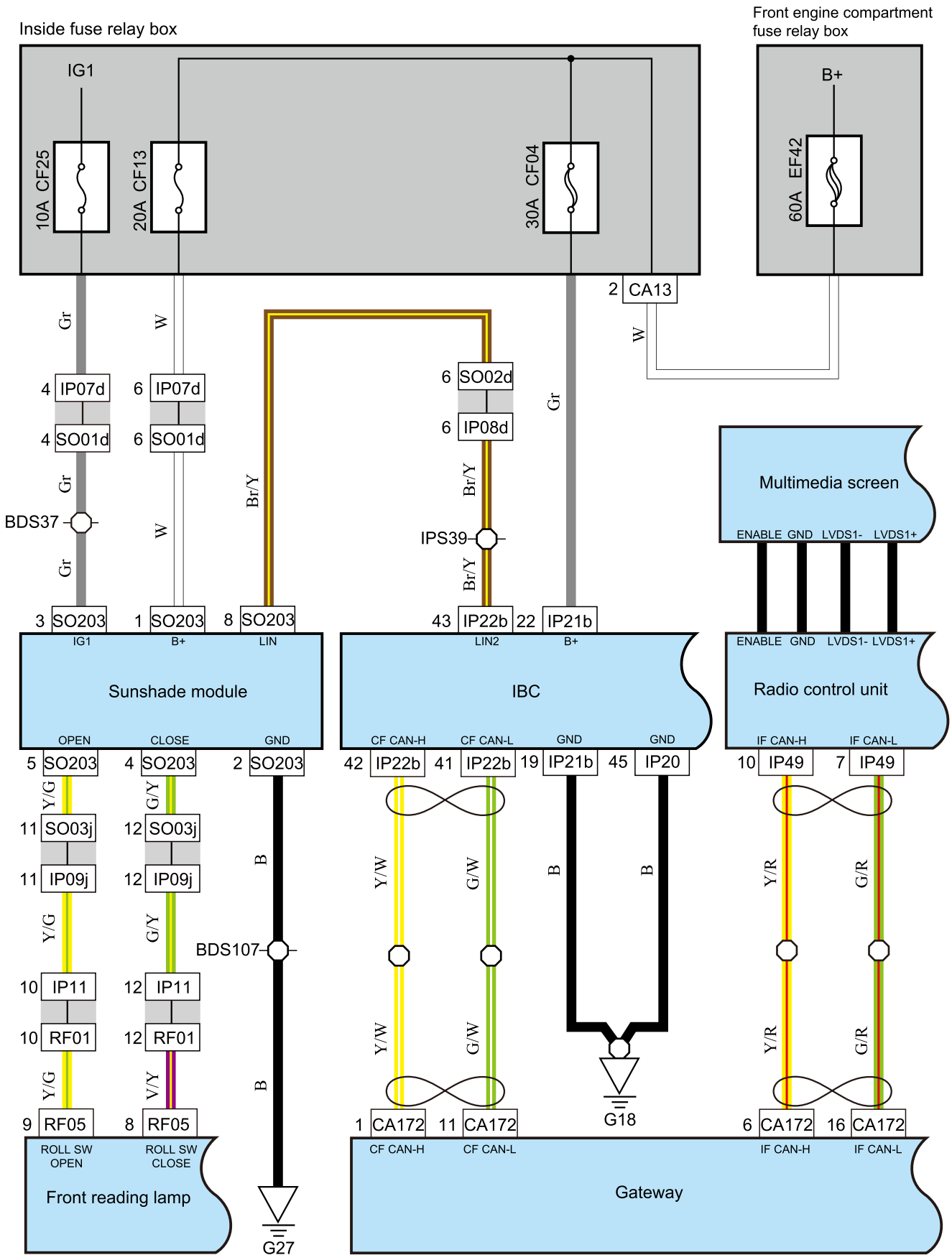
Power window (four-door anti-pinch)



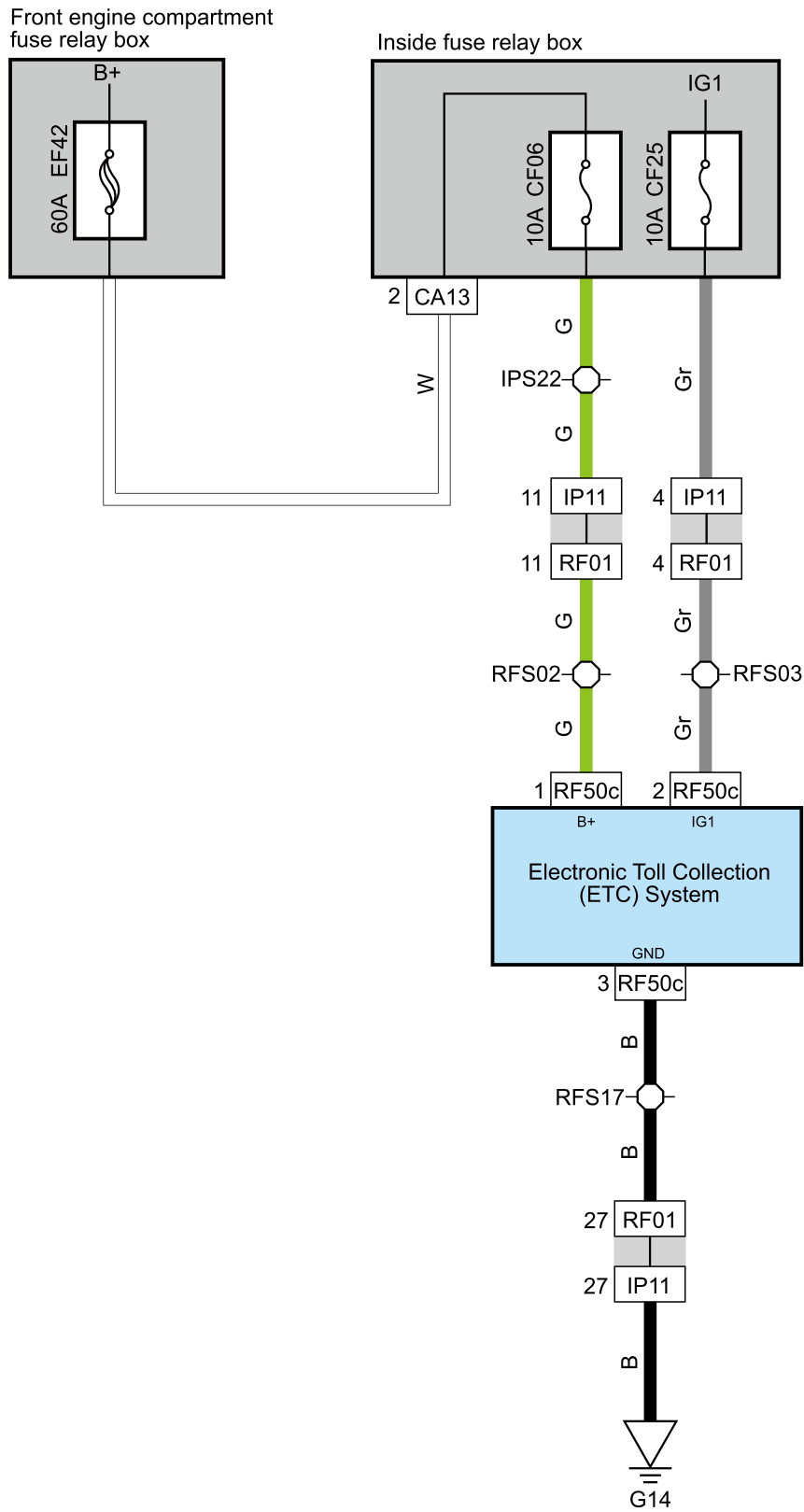
Power window (corrugated, anti-pinch)



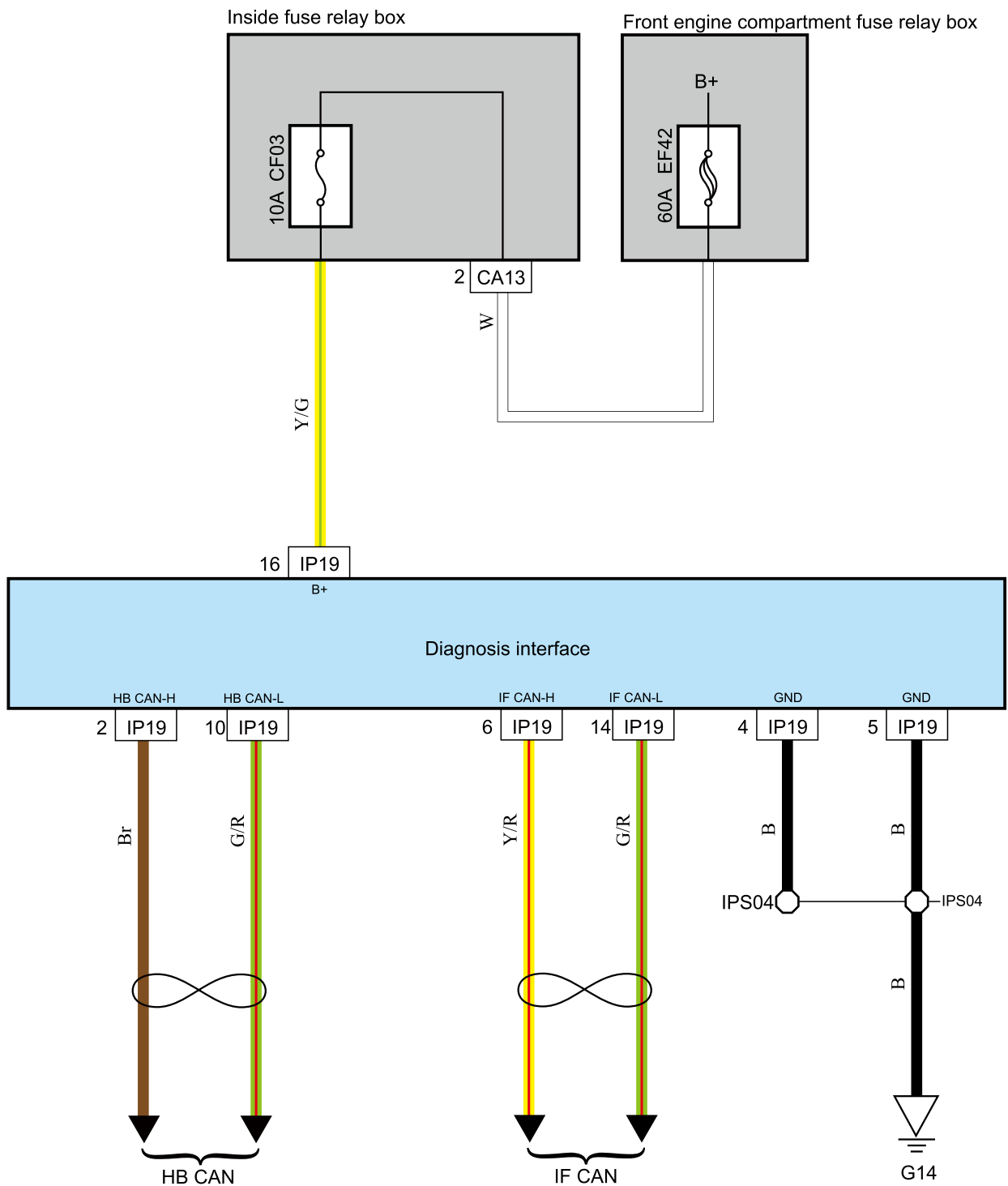
Sunshade control system



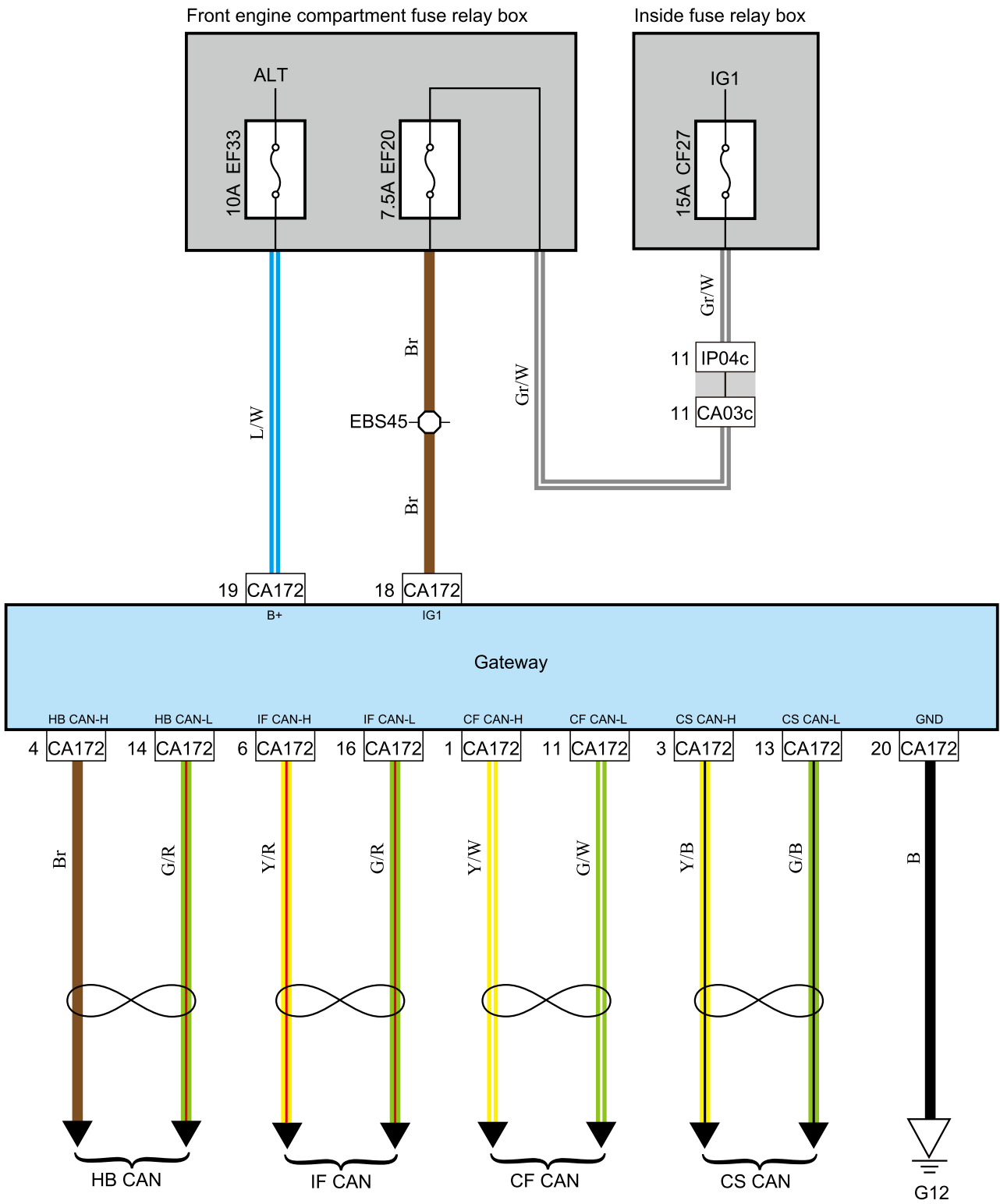
Electronic toll collection (ETC) system



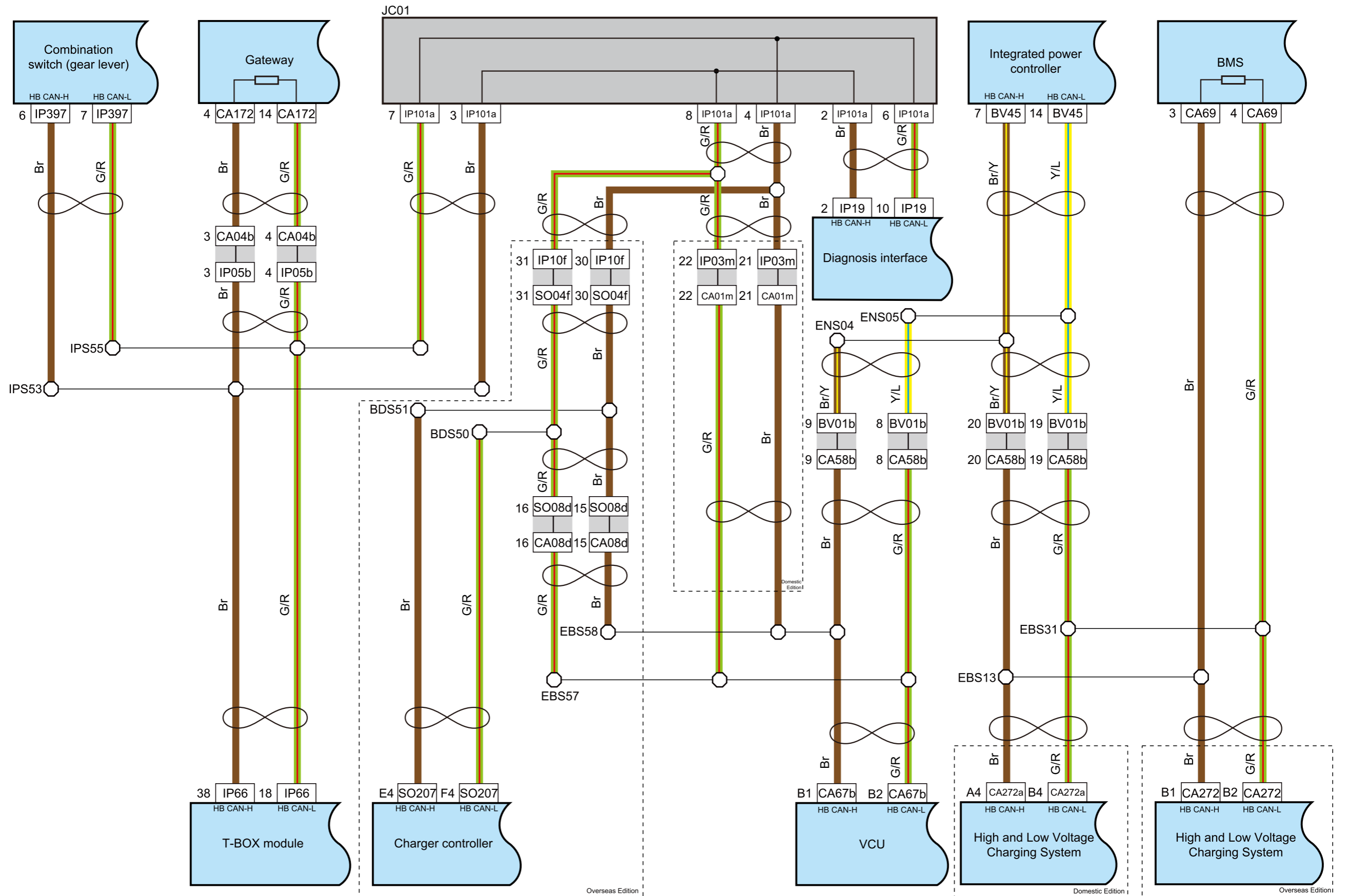
DLC



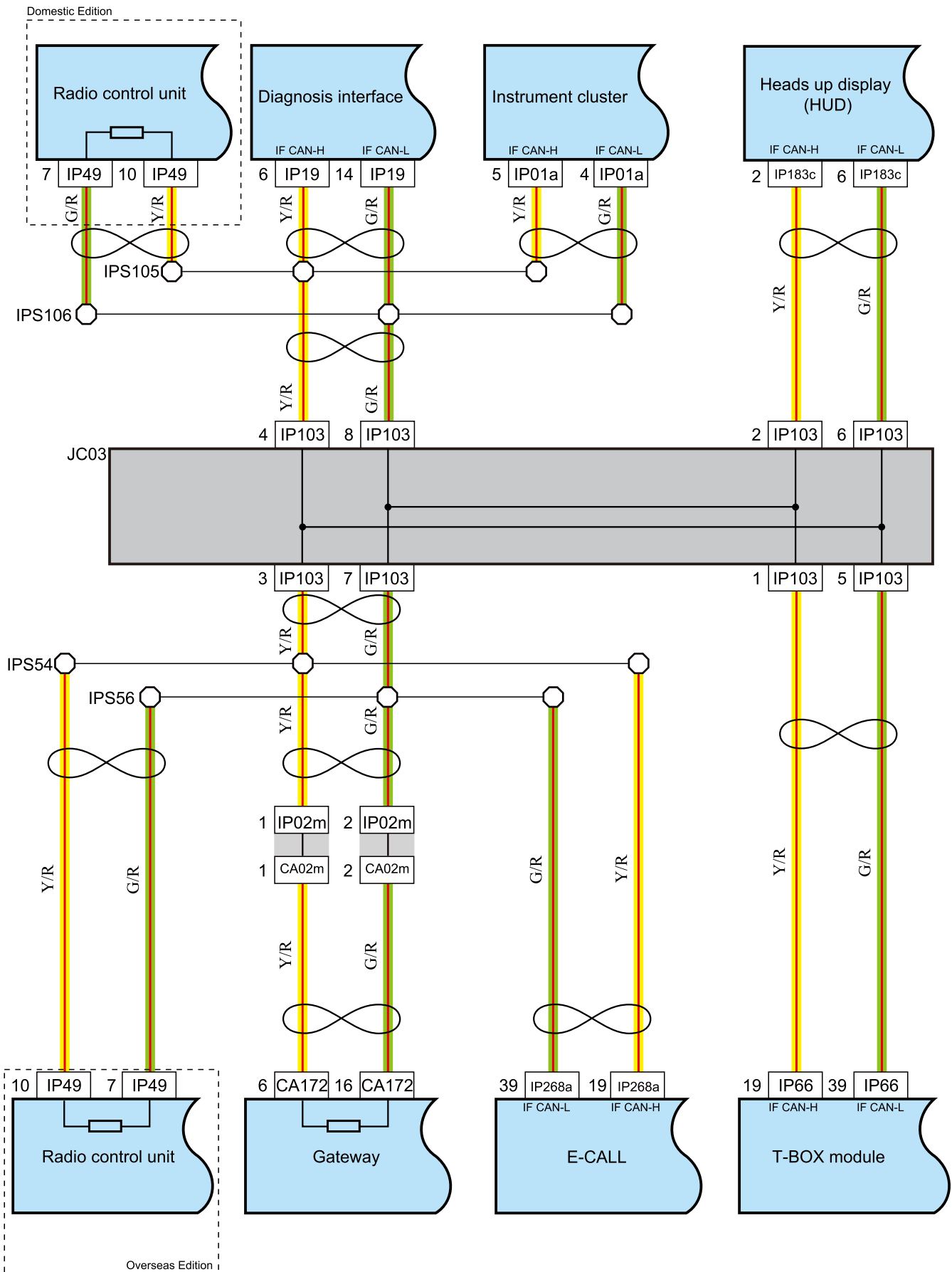
Gateway



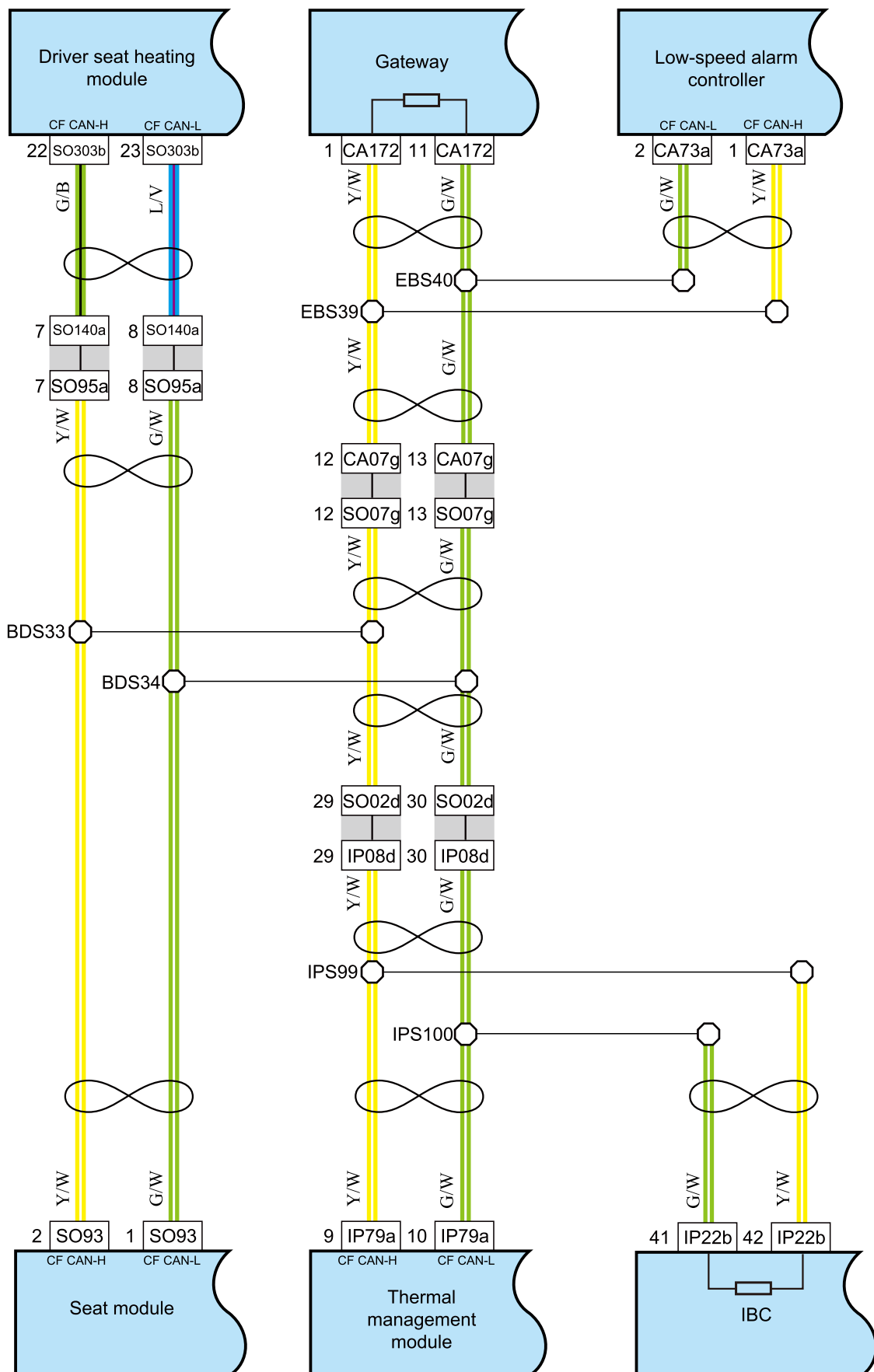
Vehicle bus communications network (HB_CAN)



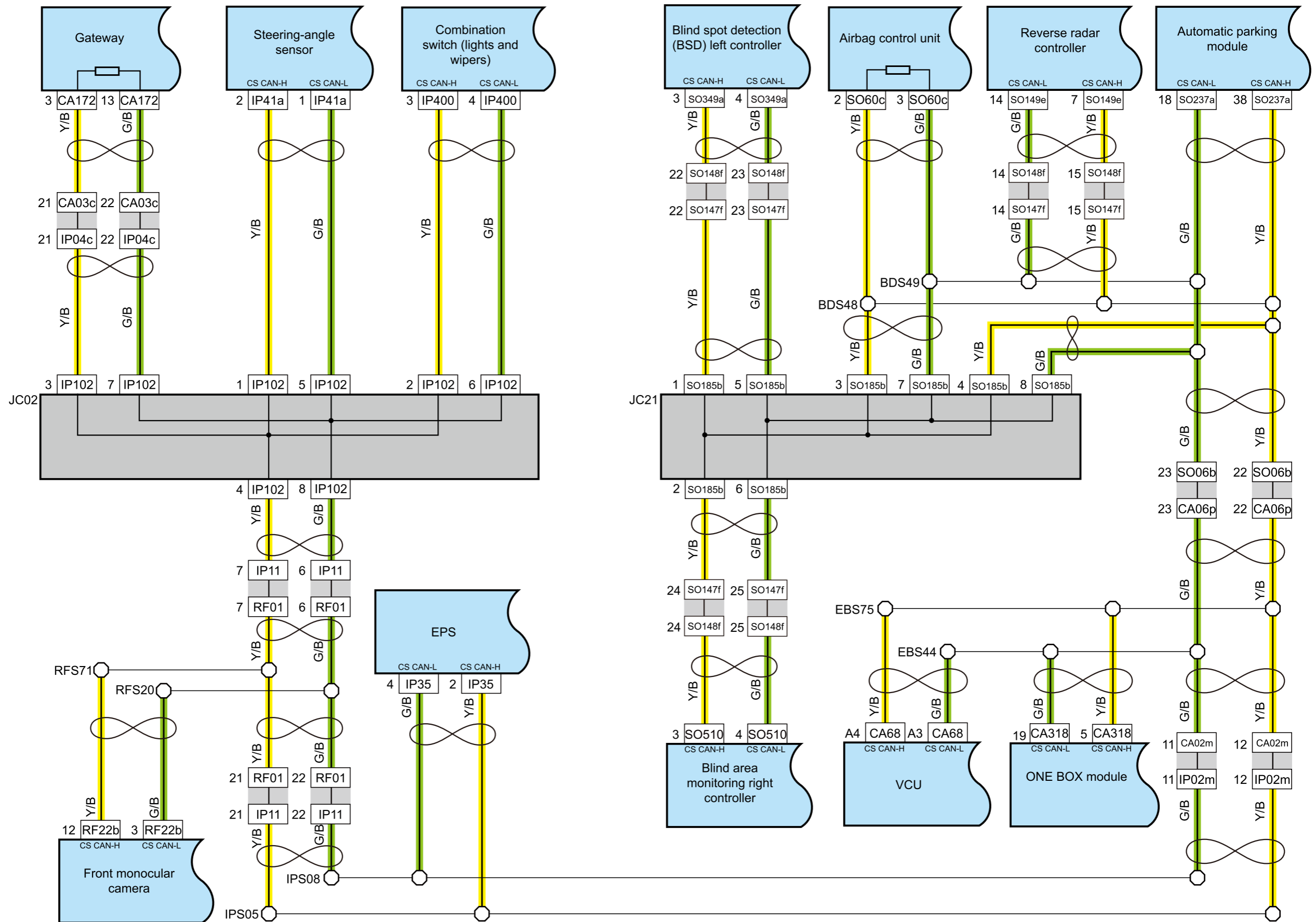
Bus communications network (IF_CAN)



Bus communications network (CF_CAN)



Bus communications network (CS_CAN)



Vehicle communication system (IB Private CAN)

