N350 Circuit Diagrams

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Schematic Diagrams

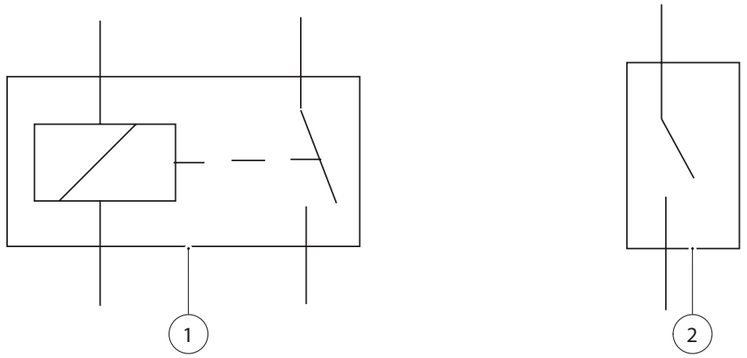
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Circuit Diagram Introduction

1. All of the components in the circuit diagrams are connected as they are in the vehicle. However, please note that the wire length shown in the circuit diagram does not indicate the actual wire length in the vehicle. To facilitate understanding, the interior structures of some complex components have been simplified.
2. In the circuit diagrams, all switches, sensors and relays are in the “off” position.



Item no.	Description
1	Relay
2	Switch

3. The wires in the circuit diagrams are identified by their corresponding specifications and colors.



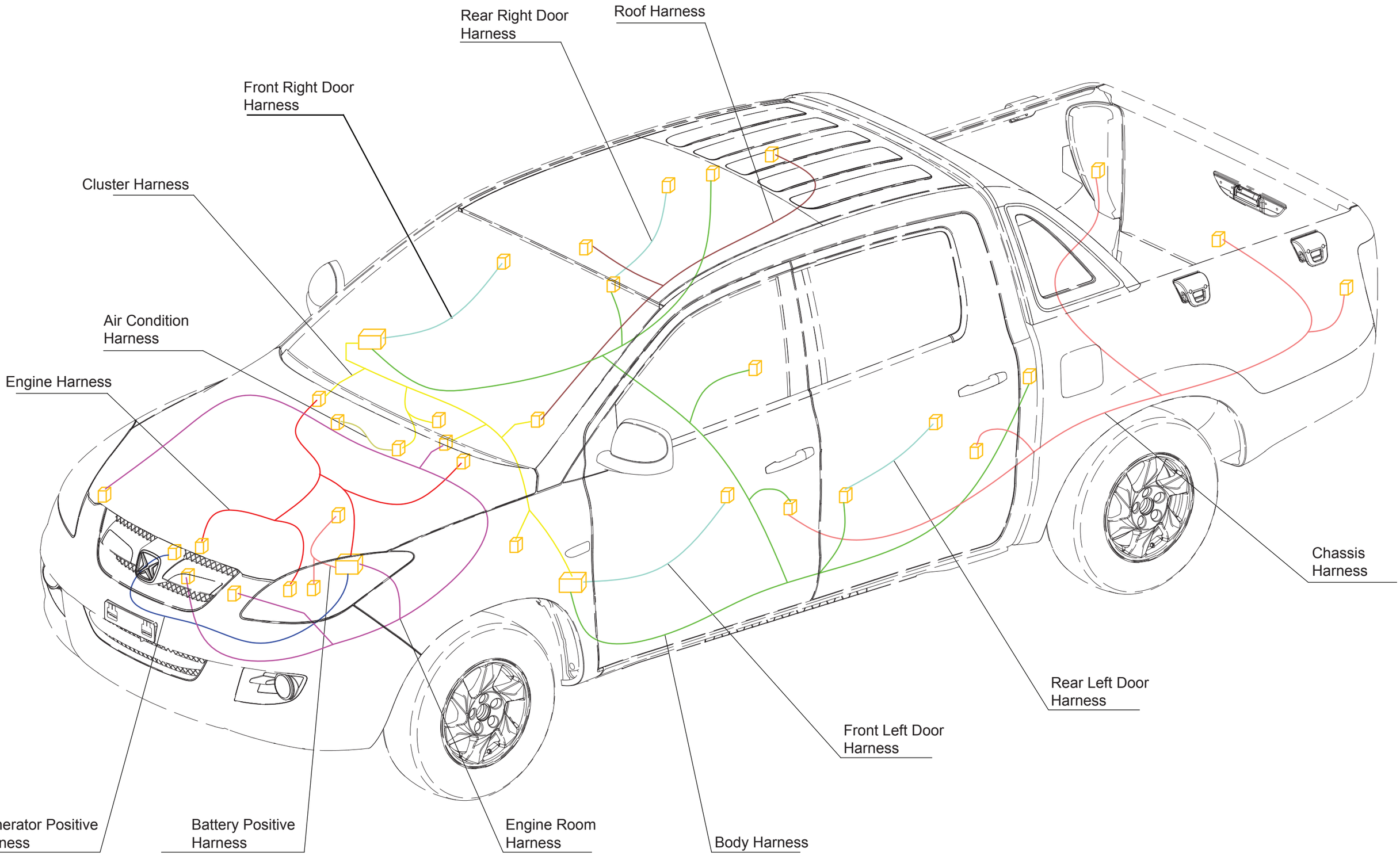
4. The current direction in the circuit diagram is from top to bottom, i.e. from the power supply to the ground connection, with the power supply above the circuit diagram and the ground connection below it.
5. The numbering of the connectors, fuses, relays and grounding contacts are respectively composed of “C”+ a number, “F”+ a number, “R” + a number and “G” + a number.

   Examples: F2 - Fuse 2

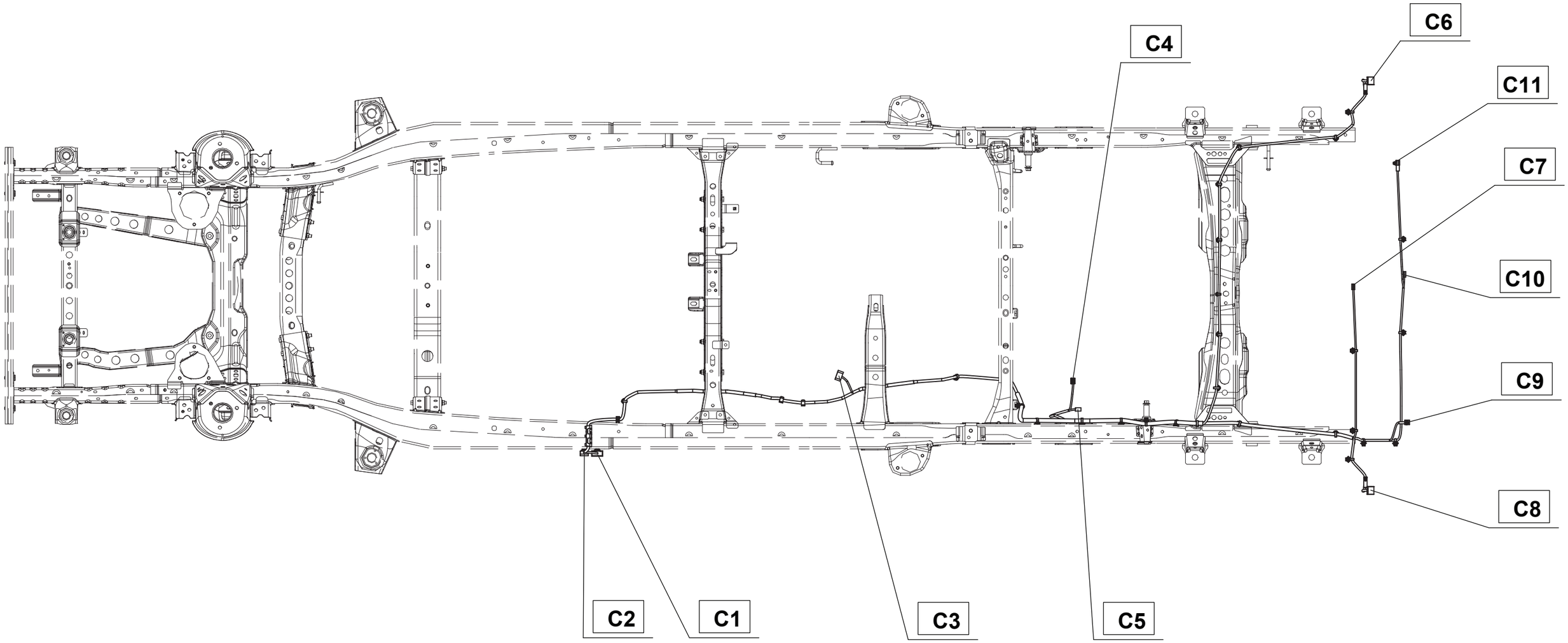
   R1 - Wiper relay

   G2 - Grounding contact 2
6. The component name is shown on the left or right side of the component.

100-008 Electrical Harness General Layout (for Pick-up models)

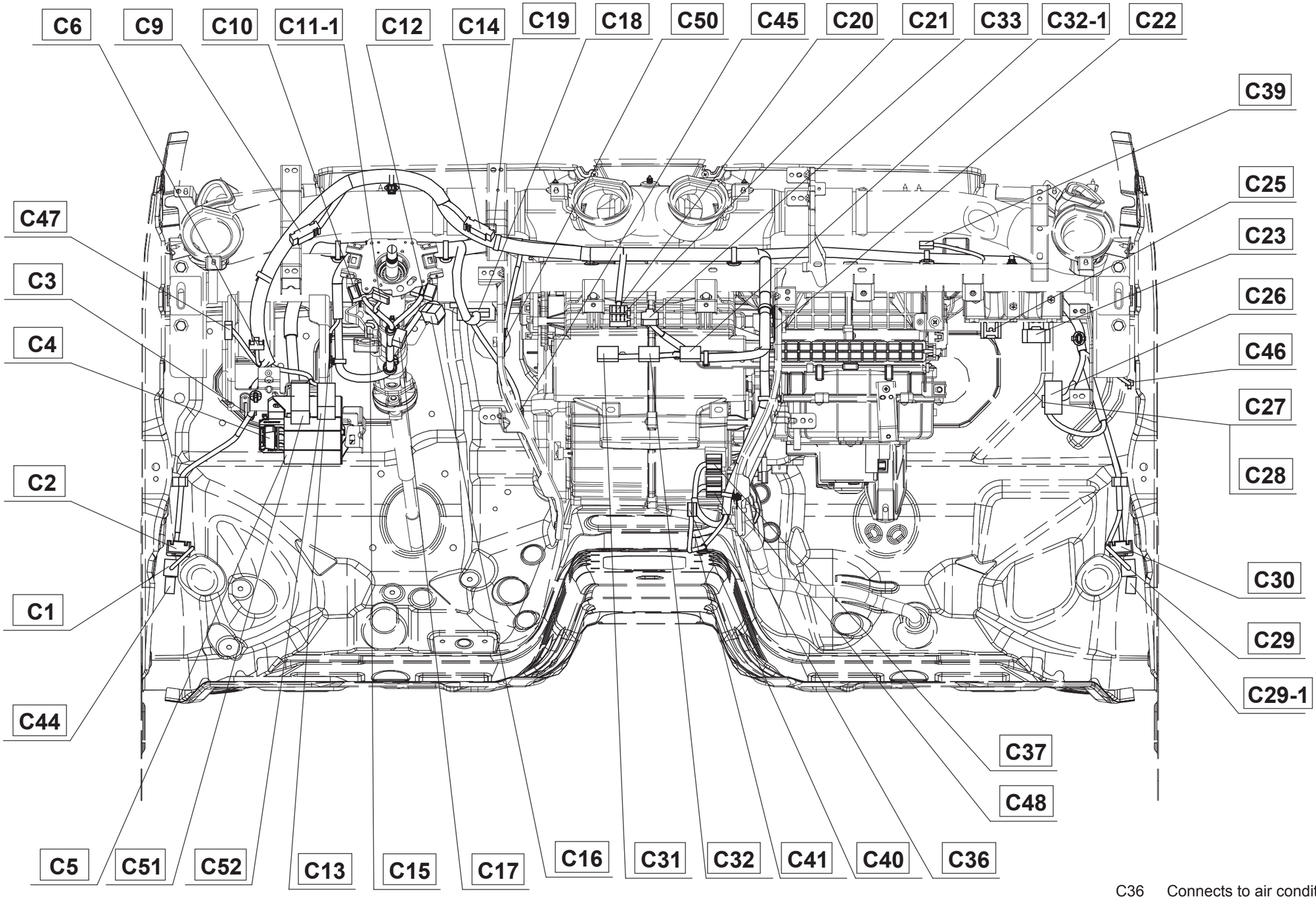


200-013 Chassis Harness - 14M401 EC



C7	Connects to number plate light	C1	Connects to body harness
C8	Connects to rear left combination light	C2	Connects to body harness 2
C9	Connects to reverse sensor (left)	C3	Connects to fuel level sensor
C10	Connects to number plate light	C4	Connects to rear right wheel speed sensor
C11	Connects to reverse sensor (right)	C5	Connects to rear left wheel speed sensor
		C6	Connects to rear right combination light

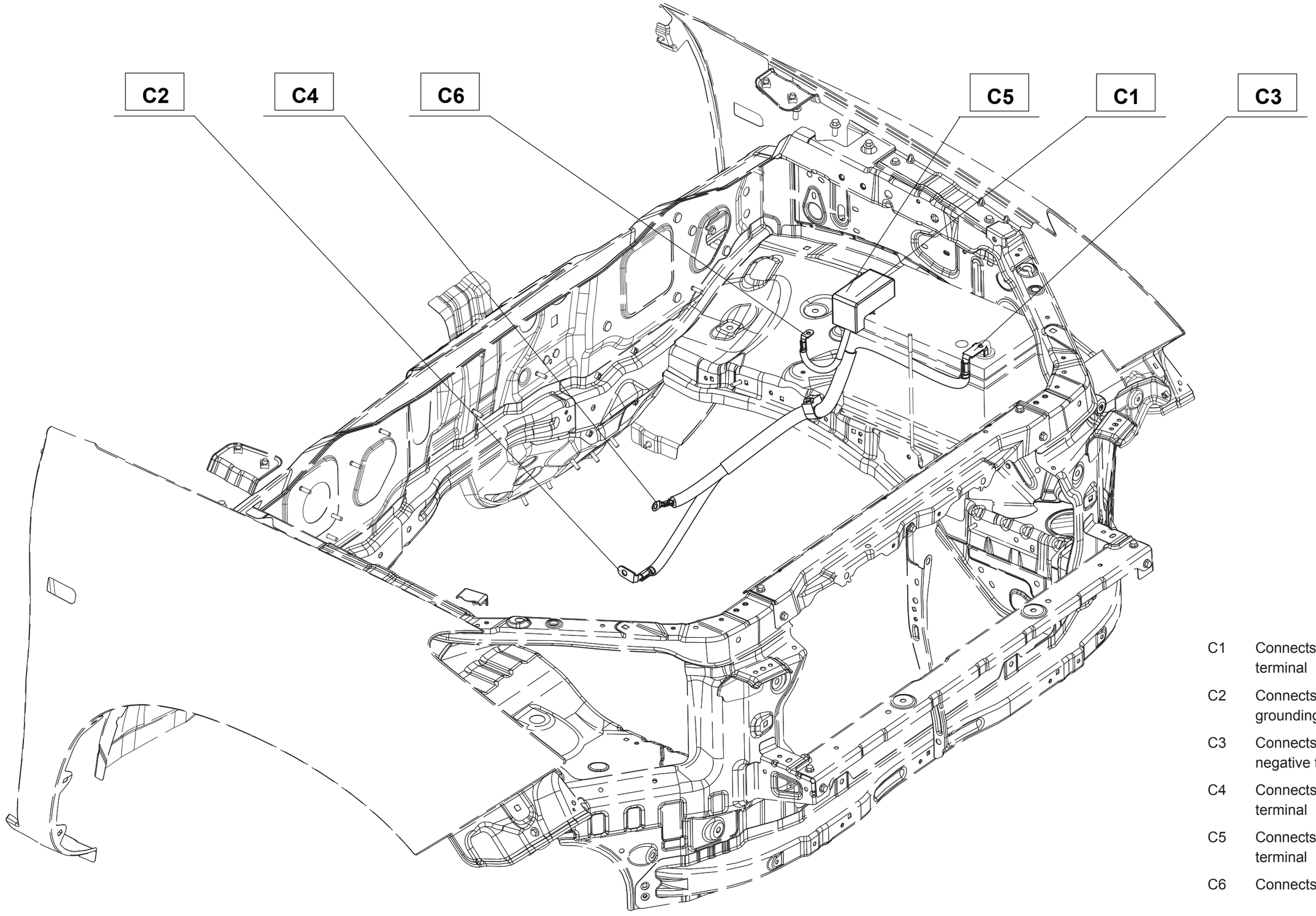
413-017 Cluster Harness - 14K024 AD



C50 Grounding contact G11
C51 Connects to flasher relay
C52 Connects to front blower relay
C46 Connects to antenna amplifier
C47 Connects to headlight brightness adjusting switch
C48 Grounding contact G14
C41 Connects to SDM ECU
C44 Connects to front left door harness 2
C45 Connects to electronic throttle
C36 Connects to air condition harness
C37 Connects to air condition harness
C39 Front passenger air bag
C40 Connects to cigarette lighter

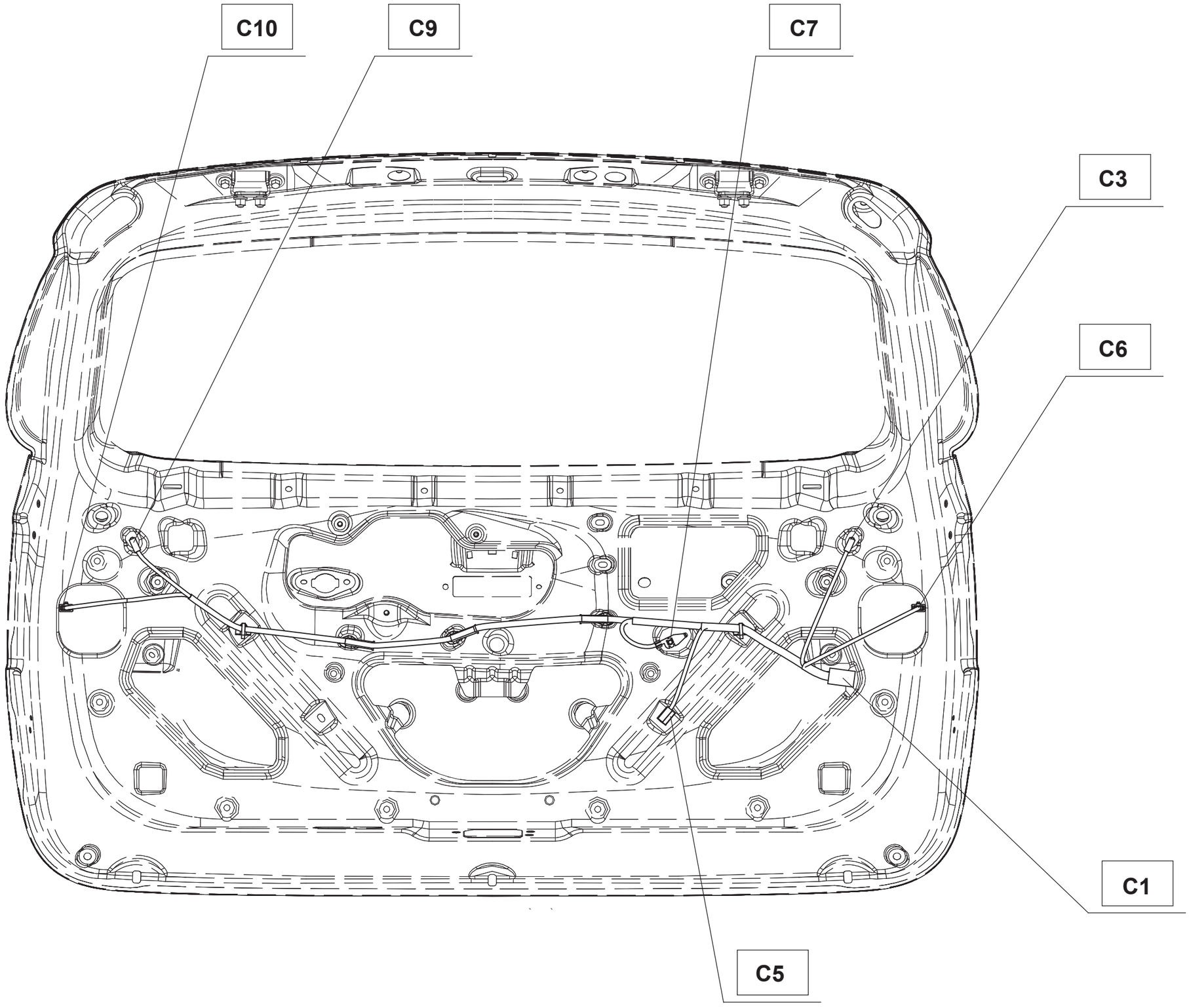
C1 Connects to body harness
C2 Connects to front left door harness 1
C3 Connects to clutch switch
C4 Connects to diagnosis interface
C5 Connects to fuse box
C6 Connects to rearview mirror switch
C9 Connects to instrument cluster B
C10 Connects to multi-function light switch
C11-1 Connects to clock spring
C12 Connects to wiper washer switch
C13 Grounding contact G06
C14 Connects to instrument cluster A
C15 Connects to brake switch
C16 Connects to ignition switch
C17 Connects to key hole back light
C18 Connects to engine compartment harness
C19 Connects to engine compartment harness
C20 Connects to radio and player A
C21 Connects to radio and player B
C22 Grounding contact G05
C23 Connects to engine harness 2
C25 Connects to engine harness 1
C26 Connects to power transfer system ECU
C27 Connects to BCM 2
C28 Connects to BCM 1
C29 Connects to body harness
C29-1 Connects to body harness
C30 Connects to front right door harness
C32 Connects to A/C control panel
C32-1 Connects to A/C control panel
C33 Connects to hazard warning light switch

414-027 Battery Positive Harness - 14450 BB



C1	Connects to battery positive terminal
C2	Connects to engine grounding contact
C3	Connects to battery negative terminal
C4	Connects to starter positive terminal
C5	Connects to battery positive terminal
C6	Connects to fuse box

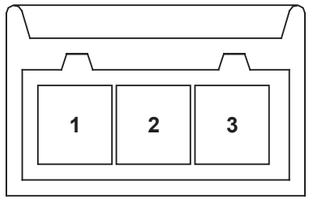
501-045 Back Door Harness - 14A562 AC



C1	Connects to back door jumper harness
C3	Connects to number plate light
C5	Connects to back door lock motor
C6	Connects to left tail lamp
C7	Grounding contact G10
C9	Connects to rear right windshield heater
C10	Connects to right tail lamp

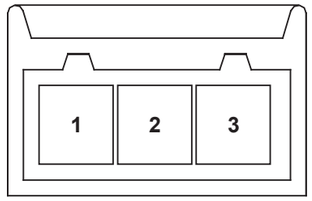
303-054 Engine Harness 5 - 12B637 (for diesel 4X4 models)

Connects to speed sensor EG-C26



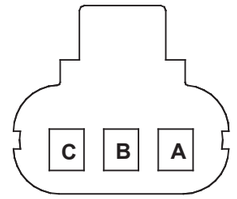
Terminal no.	Color	Wire diameter	Application
1	GN/YE	0.5	Connects to Cluster
2	BK	0.5	Sensor grounding
3	GN	0.5	Connects to Cluster

Connects to speed sensor EG-C26_1



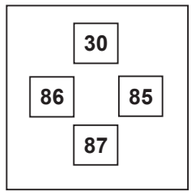
Terminal no.	Color	Wire diameter	Application
1	GN/YE	0.5	Connects to Cluster
2	BK	0.5	Sensor grounding
3	GN	0.5	Connects to Cluster

Connects to speed sensor and coil EG-C27



Terminal no.	Color	Wire diameter	Application
A	WH/YE	0.85	
B	VT/WH	0.5	Connects to PT ECU pin 7
C	BK/RD	0.5	Connects to PT ECU pin 20

Connects to PTC relay EG-C17_1



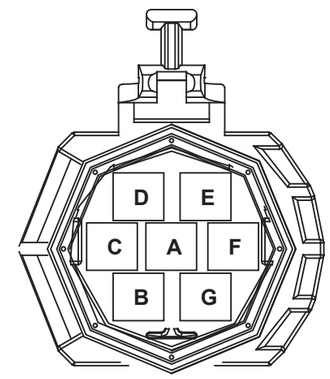
Terminal no.	Color	Wire diameter	Application
30	RD/BU	5.0	Normal mains input
85	RD/BK	5.0	Control (coil) mains input
86	VT/WH	0.75	Control (coil) mains output
87	WH/GN	5.0	Normal mains output

Connects to glow plug EG-C14



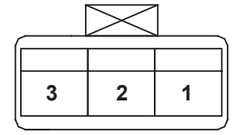
Terminal no.	Color	Wire diameter	Application
1	RD/BU	5.0	Mains input

Connects to shift motor and position coder EG-C28



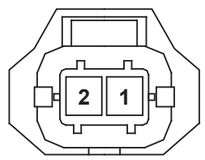
Terminal no.	Color	Wire diameter	Application
A	BU/YE	0.5	Connects to PT ECU pin 17
B	YE/BU	1.25	Connects to PT ECU pin 14 and1
C	WH/GN	0.5	Connects to PT ECU pin 19
D	LG	0.5	Connects to PT ECU pin 5
E	YE/RD	0.5	Connects to PT ECU pin 18
F	BK/RD	0.5	Connects to PT ECU pin 20
G	BU/GY	1.25	Connects to PT ECU pin 2 and 15

Connects to camshaft position sensor EG-C5



Terminal no.	Color	Wire diameter	Application
1	WH/GN	0.5	Connects to ECU pin 45
2	WH/VT	0.5	Connects to ECU pin 44
3	GY/YE	0.5	Connects to ECU pin 46

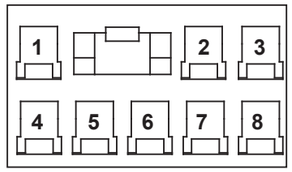
Connects to nozzle 4 EG-C4



Terminal no.	Color	Wire diameter	Application
1	RD/VT	1.5	Connects to ECU pin 7
2	RD/BK	1.5	Connects to ECU pin 3

413-062 IP Harness 5 - 14K024 (for diesel SUV models)

Connects to 14334 IP-C19



Terminal no.	Color	Wire diameter	Application
1	WH	0.5	Width lamp mains input
2	BK	0.85	Grounding
3	GY	0.5	Rear headliner lamp
4	WH	0.5	Connects to fuse box
5	LG/BK	1.25	Sunroof mains input
6	LG	1.25	Connects to sunroof module
7	BN/RD	0.85	Switch mains input
8	BU/WH	0.3	Interior temperature sensor

Connects to radio B IP-C20



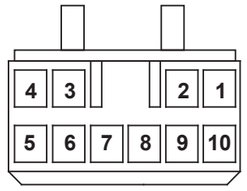
Terminal no.	Color	Wire diameter	Application
1	PK	0.5	Rear right speaker output
2	LG	0.5	Rear right speaker input
3	GN/BK	0.5	Front right speaker output
4	GN	0.5	Front right speaker input
5	YE/BK	0.5	Rear left speaker output
6	YE/WH	0.5	Rear left speaker input
7	BN	0.5	Front left speaker output
8	BU	0.5	Front left speaker input

Connects to radio A IP-C21



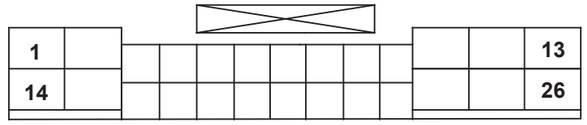
Terminal no.	Color	Wire diameter	Application
1	BK	0.5	Grounding
2	RD/BU	0.5	Amplifier mains input
3	BN/RD	0.5	Connects to fuse box
4	GNBK	0.5	Audio mains input
5	VT/GN	0.5	Front right high amplifier output
6	BU/BK	0.5	Front right high amplifier input
7	YE/RD	0.5	Front left high amplifier output
8	YE/BU	0.5	Front left high amplifier input

Connects to engine harness 1 IP-C25



Terminal no.	Color	Wire diameter	Application
1	LG	1.25	PT converter motor (Pin G)
2	YE/BU	1.25	PT converter motor (Pin B)
3	WH/RD	0.5	PT converter motor (Pin F)
4	BU/YE	0.5	PT converter motor (Pin A)
5	WH/GN	0.5	PT converter motor (Pin C)
6	YE/RD	0.5	PT converter motor (Pin E)
7	LG/WH	0.5	PT converter motor (Pin D)
8	WH/YE	0.85	
9	VT/BK	0.5	PT speed sensor

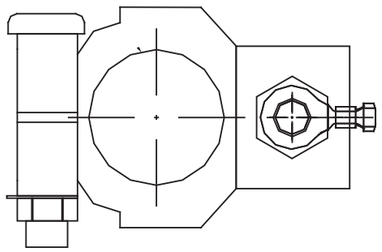
Connects to PT ECU IP-C26



Terminal no.	Color	Wire diameter	Application
1	YE/BU	1.25	PT converter motor (Pin B)
2	LG	1.25	PT converter motor (Pin G)
4	BU/RD	0.5	2H switch
5	LG/WH	0.5	PT converter motor (Pin D)
7	VT/BK	0.5	PT speed sensor
9	GN	0.5	Connects to Data link
11	VT/YE	0.85	
12	BK	0.85	Grounding
13	VT/WH	2.0	Mains input
14	YE/BU	1.25	PT converter motor (Pin B)
15	LG	1.25	PT converter motor (Pin G)
17	BU/YE	0.5	PT converter motor (Pin A)
18	YE/RD	0.5	PT converter motor (Pin E)
19	WH/GN	0.5	PT converter motor (Pin C)
20	WH/RD	0.5	PT converter motor (Pin F)
22	GY/VT	0.5	Connects to PT ECU pin 22
23	GY/BK	0.5	Connects to fuse box (F2)
25	BK	0.85	Grounding
26	VT/WH	2.0	Mains input

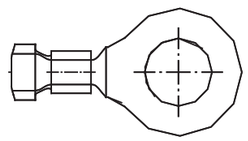
414-068 Battery Positive - 14450 (for diesel SUV models)

Connects to battery positive terminal BP-C1



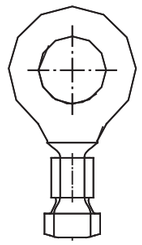
Terminal no.	Color	Wire diameter	Application
1	RD	32.0	Connects to battery positive terminal

Connects to engine grounding BP-C2



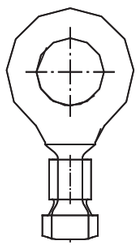
Terminal no.	Color	Wire diameter	Application
1	BK	32.0	Engine grounding

Connects to battery negative terminal BP-C3



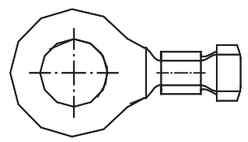
Terminal no.	Color	Wire diameter	Application
1	BK	32.0	Battery negative terminal

Connects to starter positive terminal BP-C4



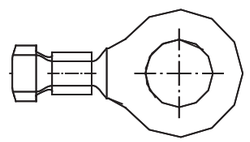
Terminal no.	Color	Wire diameter	Application
1	RD	32.0	Starter positive

Connects to battery positive terminal BP-C5



Terminal no.	Color	Wire diameter	Application
1	RD	20.0	Battery positive terminal

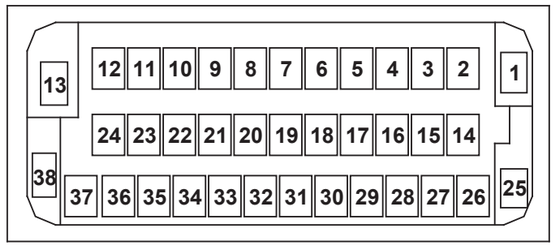
Connects to fuse box BP-C6



Terminal no.	Color	Wire diameter	Application
1	RD	20.0	Fuse box

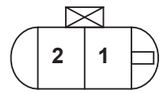
501-080 Engine Room Harness 1 - 14K012 (for diesel 4X4 models with ABS)

Connects to ABS ER-C7



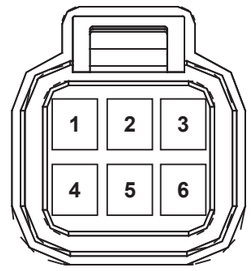
Terminal no.	Color	Wire diameter	Application
1	WH/GN	3.0	Mains input (40A fuse)
5	BK/RD	0.5	Acceleration sensor
6	BK/YE	0.75	Front right wheel speed sensor
13	BK	4.0	Grounding
15	BK/OG	0.5	Acceleration sensor
17	YE/BK	0.5	Connects to data connector
18	YE	0.75	Front right wheel speed sensor
19	BK/WH	0.75	Rear right wheel speed sensor
20	BU	0.75	Rear left wheel speed sensor
21	RD/YE	0.75	Front left wheel speed sensor
25	PK/BN	2.0	Power supply (25A fuse)
28	WH/YE	0.5	Acceleration sensor
29	WH/GN	0.5	Connects to Cluster pin 5
30	VT/WH	0.5	Brake switch
31	VT/WH	0.75	Rear right wheel speed sensor
32	GY/OG	0.5	Power Power supply (10A fuse)
33	BK/BU	0.75	Rear left wheel speed sensor
34	GY/GN	0.75	Front left wheel speed sensor
38	BK	2.50	Grounding
22	GY/GN	0.75	Front left wheel speed sensor

Connects to front right wheel speed sensor ER-C1



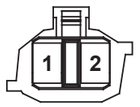
Terminal no.	Color	Wire diameter	Application
1	BK/YE	0.75	②③ Sensor signal line (connects to ABS pin 6)
2	YE	0.75	Sensor signal line ②③ (connects to ABS pin 18)

Connects to front right combination light ER-C3



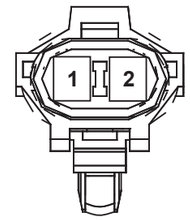
Terminal no.	Color	Wire diameter	Application
1	YE/WH	0.85	Front right low beam power supply
2	BK	0.5	Grounding
3	WH/BK	0.85	Front right high beam power supply
5	BN/WH	0.5	Front right width lamp power supply
6	BK	0.85	Grounding

Connects to front right turn lamp ER-C5



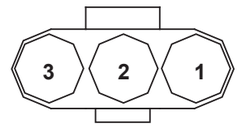
Terminal no.	Color	Wire diameter	Application
1	BU/WH	0.5	Mains input
2	BK	0.85	Grounding

Connects to front right fog lamp ER-C2



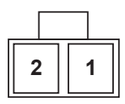
Terminal no.	Color	Wire diameter	Application
1	BK	0.5	Grounding
2	VT	0.85	Mains input

Connects to dimmer ER-C4



Terminal no.	Color	Wire diameter	Application
1	YE/WH	0.85	Dimmer mains input
2	WH	0.5	Dimmer signal input
3	BK	0.85	Grounding

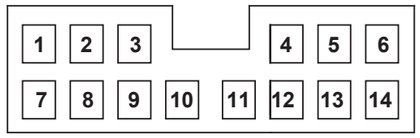
Connects to right turn lamp ER-C8



Terminal no.	Color	Wire diameter	Application
1	BU/WH	0.5	Mains input
2	BK	0.5	Grounding

501-085 Back Door Jumper Harness - 14037 (for diesel SUV models)

Connects to body harness JW-C1



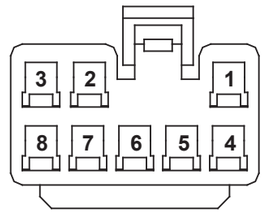
Terminal no.	Color	Wire diameter	Application
1	GN/YE	2.0	Rear wiper motor
2	BN	2.0	Rear wiper motor
3	VT/GY	2.0	Rear wiper motor
4	BN/BU	0.5	Rear position lamp mains input
5	VT/WH	0.50	Rear brake light mains input
6	YE/WH	0.5	Rear position lamp/ number plate lamp mains input
7	GN/WH	0.5	Rear reversing light mains input
8	BU/WH	0.5	Rear roof lamp mains input
9	BK	1.25	Back door lock grounding
10	GN	0.5	Back door light switch
11	BU	0.85	Rear door lock motor
12	GN/RD	0.85	Rear door lock motor
13	RD/BU	2.0	Rear windshield heater mains input
14	GY	0.5	Rear roof lamp switch

Connects to back door light JW-C2



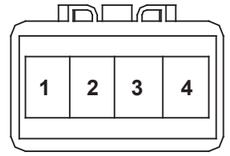
Terminal no.	Color	Wire diameter	Application
1	BK	0.5	Grounding

Connects to back door RD-C7



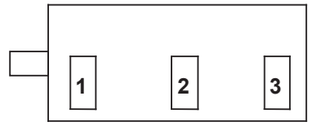
Terminal no.	Color	Wire diameter	Application
1	GN/YE	2.0	Rear wiper motor
2	BN	2.0	Rear wiper motor
3	VT/GY	2.0	Rear wiper motor
4	BN/BU	0.5	Rear position lamp mains input
5	GN/WH	0.5	Rear reversing light mains input
6	YE/WH	0.5	Rear position lamp, number plate light mains input
7	BK	1.25	Back door lock grounding
8	RD/BU	2.0	Rear windshield heater mains input

Connects to door lock motor JW-C5



Terminal no.	Color	Wire diameter	Application
1	GN/RD	0.85	Rear door lock motor
2	BU	0.85	Rear door lock motor
3	GN	0.5	Back door light switch
4	BK	0.5	Back door lock grounding

Connects to rear roof lamp 2 JW-C11



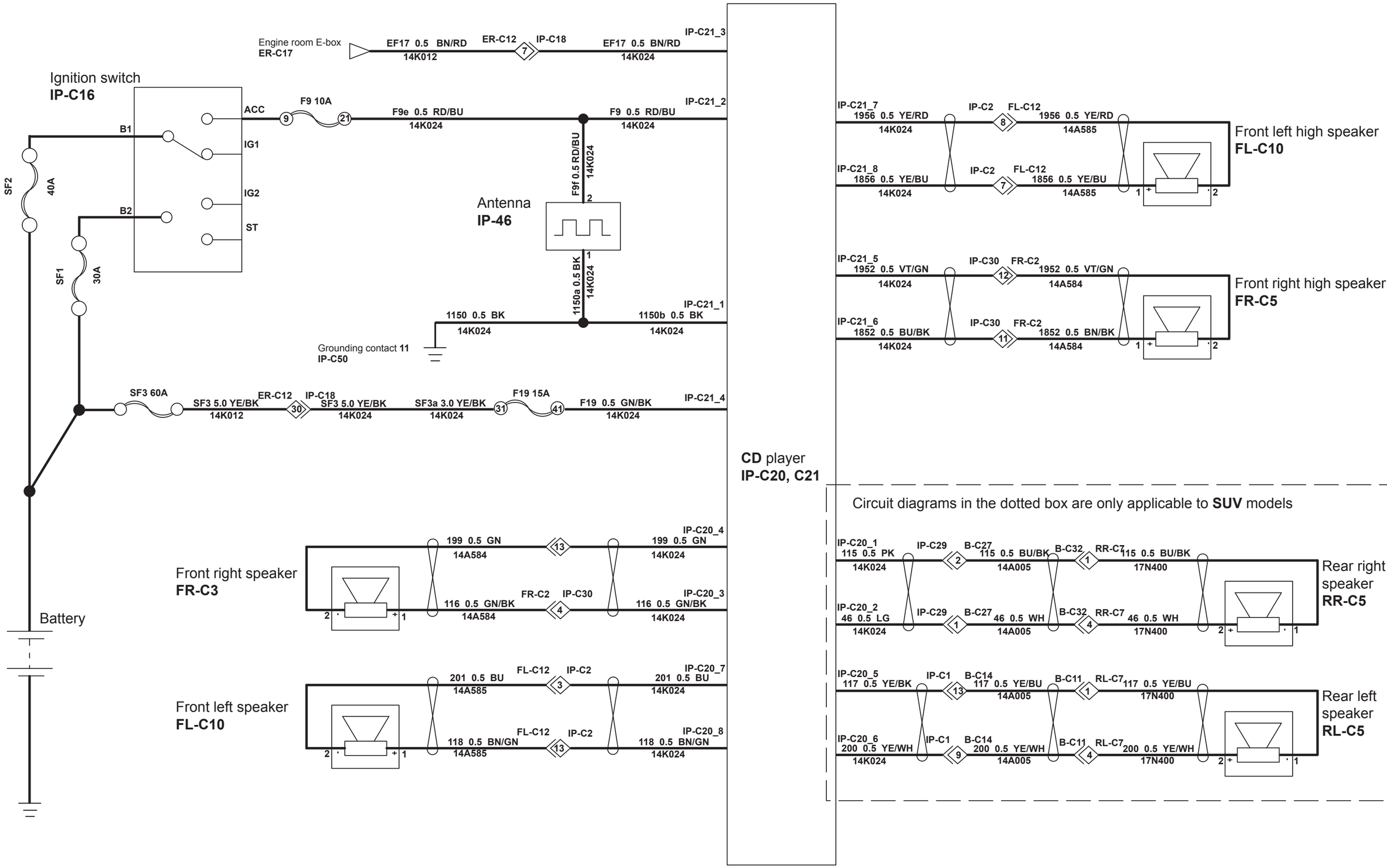
Terminal no.	Color	Wire diameter	Application
2	GY	0.5	Rear roof lamp switch
1	BU/WH	0.5	Rear roof lamp mains input
3	BK	0.5	Rear roof lamp grounding

Connects to back door light JW-C22



Terminal no.	Color	Wire diameter	Application
1	VT/WH	0.5	Back door lamp mains input

415-097 Radio/CD System (for diesel models)



501-116 Horn and Cigarette Lighter (for diesel models)

