

1. Lumbar support motor

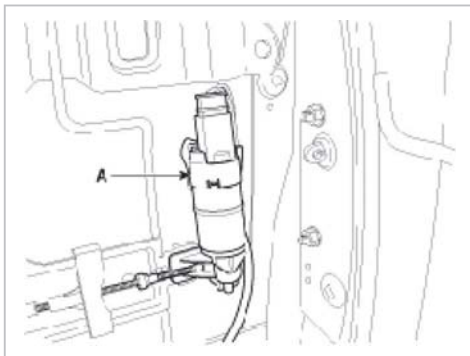
2. Lumbar support switch

Body Electrical System > Seat Electrical > Power Seat Motor > Repair procedures

Inspection

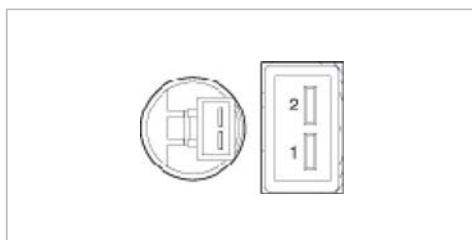
Power seat motor

1. Remove the seat and Lumbar support motor (A) connectors.



2. With the battery connected directly to the motor terminals, check if the motors run smoothly.
3. Reverse the connections and check that the motor rotates in reverse.

- If there is an abnormality, replace the motor.

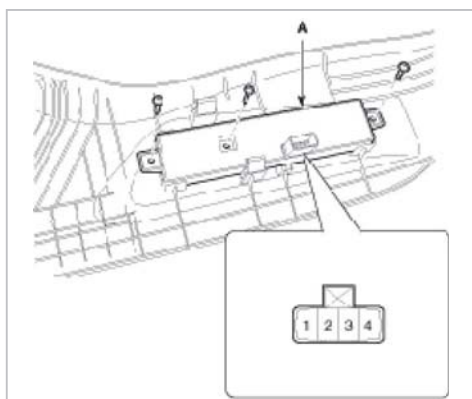


Position	Terminal		+	-
	Front	Rear		
Lumbar support	1	2	1	2
	2	1	2	1

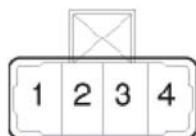
Body Electrical System > Seat Electrical > Power Seat Control Switch > Repair procedures

Inspection

- With the lumbar support switch (A) in each position, make sure that continuity exists between the terminals below. If continuity is not as specified, replace the lumbar support switch.

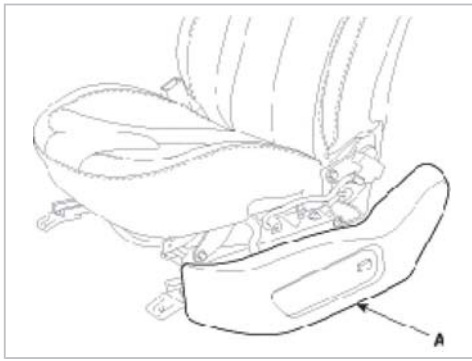


Driver Lumbar Switch				
	Lumber switch			Remark
	Rear	Neutral	Front	
1	○		○	
2	○	○ ○	○	
3	○	○ ○	○	
4	○	○		



Removal

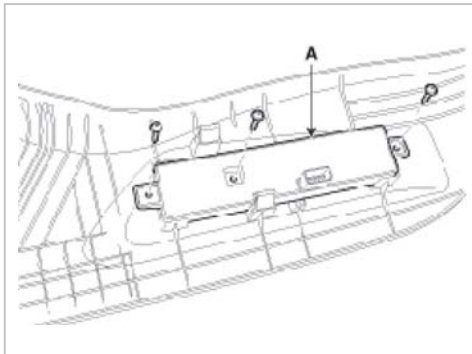
- Disconnect the negative (-) battery terminal.
- Remove the seat side cover (A).
(Refer to the BD group - "Front seat")



3. Remove the power seat control switch connector.



4. Remove the power seat control switch(A) after loosening the mounting screw.



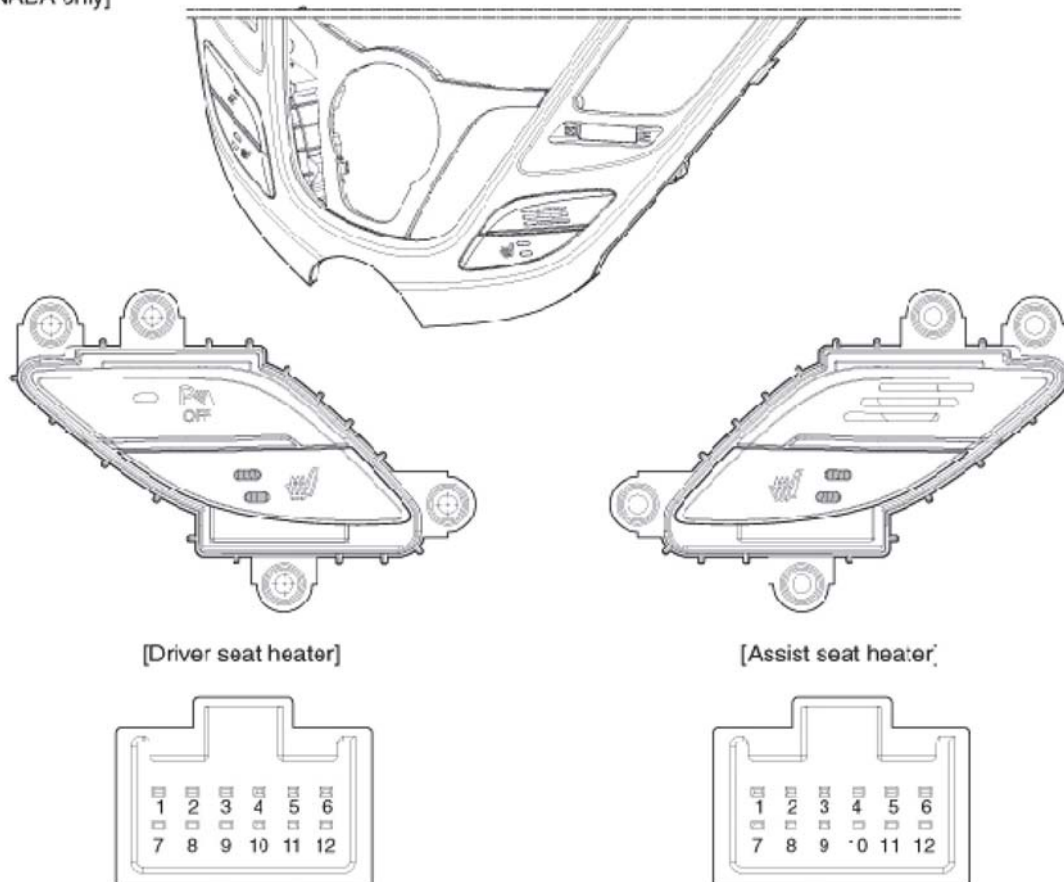
Installation

1. Connect the connector and install the power seat control switch.
2. Install the seat cover.

Body Electrical System > Seat Electrical > Seat Heater Switch > Schematic Diagrams

Circuit Diagram

[CANADA only]



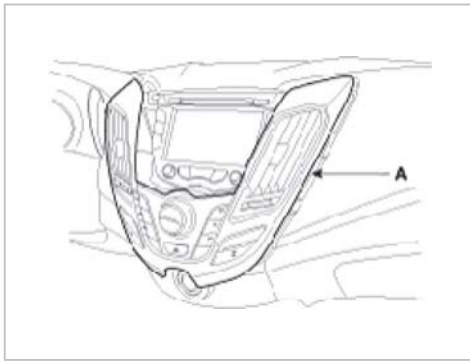
Pin No.	Description
1	IGN
2	Heater mode
3	High heater indicator
4	Low heater indicator
5	ILL +
6	ILL -
7	-
8	-
9	-
10	-
11	-
12	-

Pin No.	Description
1	IGN
2	Heater mode
3	High heater indicator
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8	-
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12	-

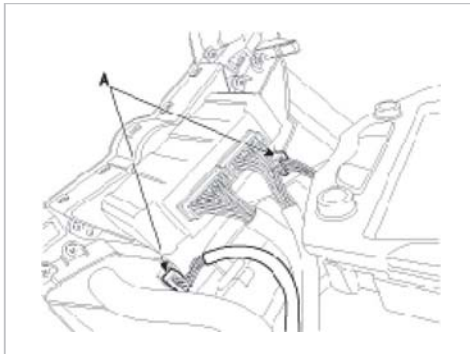
Body Electrical System > Seat Electrical > Seat Heater Switch > Repair procedures

Removal

1. Disconnect the negative (-) battery terminal.
2. Remove the crash pad center fascia panel (A).



3. Remove the driver and the assist seat heater switch connector, after loosening 4 screws.



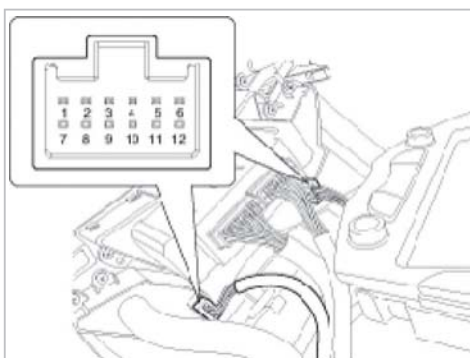
Installation

1. Install the driver and the assist seat heater switch connector.
2. Install the crash pad center fascia panel.
3. Connect the battery (-) terminal.







Inspection

Rear seat heater switch

1. Disconnect the negative (-) battery terminal.
2. Remove the crash pad center fascia panel.
3. Disconnect the driver and the assist seat heater switch connector.



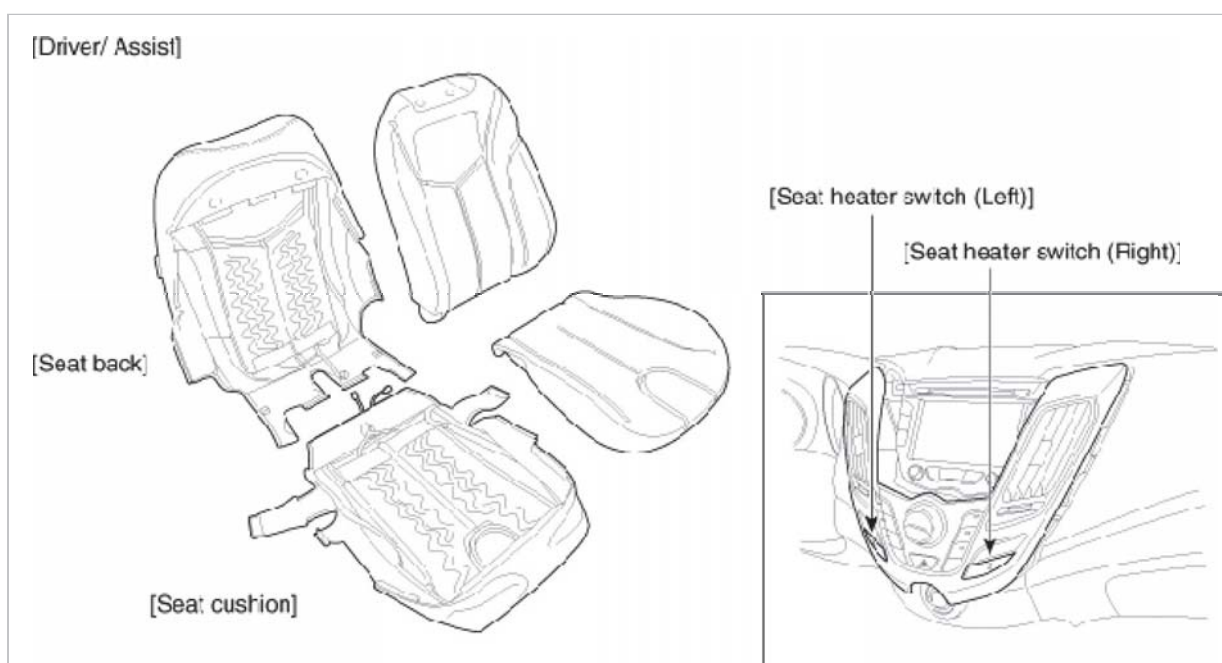
4. Turn rear seat heater switch ON and check that continuity exists between the terminals.

Terminal \ Position	Driver	Remarks
1		ING
2		Heater mode
3		Heater (High)
4		Heater (Low)
5		ILL (-)
6		ILL (+)

5. If there is no continuity, replace the seat heater switch.

Body Electrical System > Seat Electrical > Seat Heater > Components and Components Location

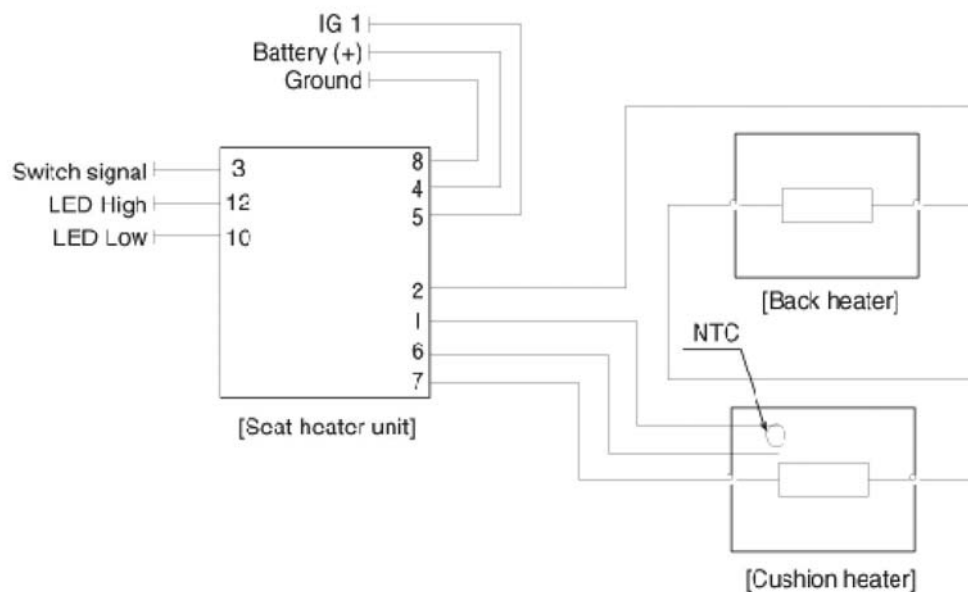
Component Location



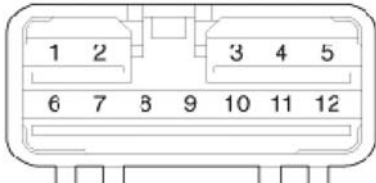
Body Electrical System > Seat Electrical > Seat Heater > Schematic Diagrams

Circuit Diagram

[Front seat cushion/back]



[Unit connector]

			
No.	Description	No.	Description
1	NTC (+)	7	Seat heater (-)
2	Seat heater (+)	8	Ground
3	Switch signal	9	-
4	Battery (+)	10	LED Low
5	IGN1	11	-
6	NTC (-)	12	LED High

[Cushion heater]

No.	Description	
1	High	
2	Low	
3	Back	

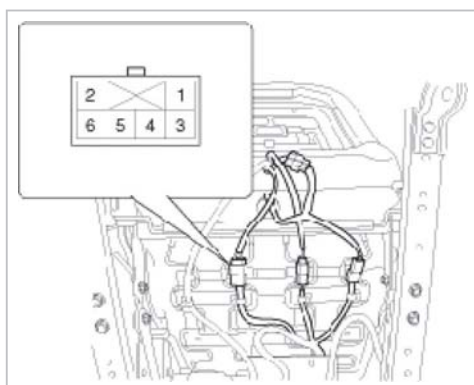
Body Electrical System > Seat Electrical > Seat Heater > Repair procedures

Inspection

First Seat Heater

1. Check for continuity and measure the resistance between terminals.

[Cushion]



No.	Description	No.	Description
1	-	4	NTC-
2	-	5	NTC+
3	Heater(-)	6	Heater(+)

Standard value (Fabric / Leather)

Cushion : $1.18 \Omega \pm 10\%$

Back: $1.13 \Omega \pm 10\%$

Set : $2.31 \Omega \pm 10\%$

2. Operate the seat heater after connecting the connector, and then check the thermostat by measuring the temperature of seat surface.

Standard value (Fabric / Leather)

Cushion :

High : $42 \pm 2^\circ\text{C}(107.6 \pm 35.6^\circ\text{F})$ / LOW : $39 \pm 2^\circ\text{C}(102.2 \pm 35.6^\circ\text{F})$

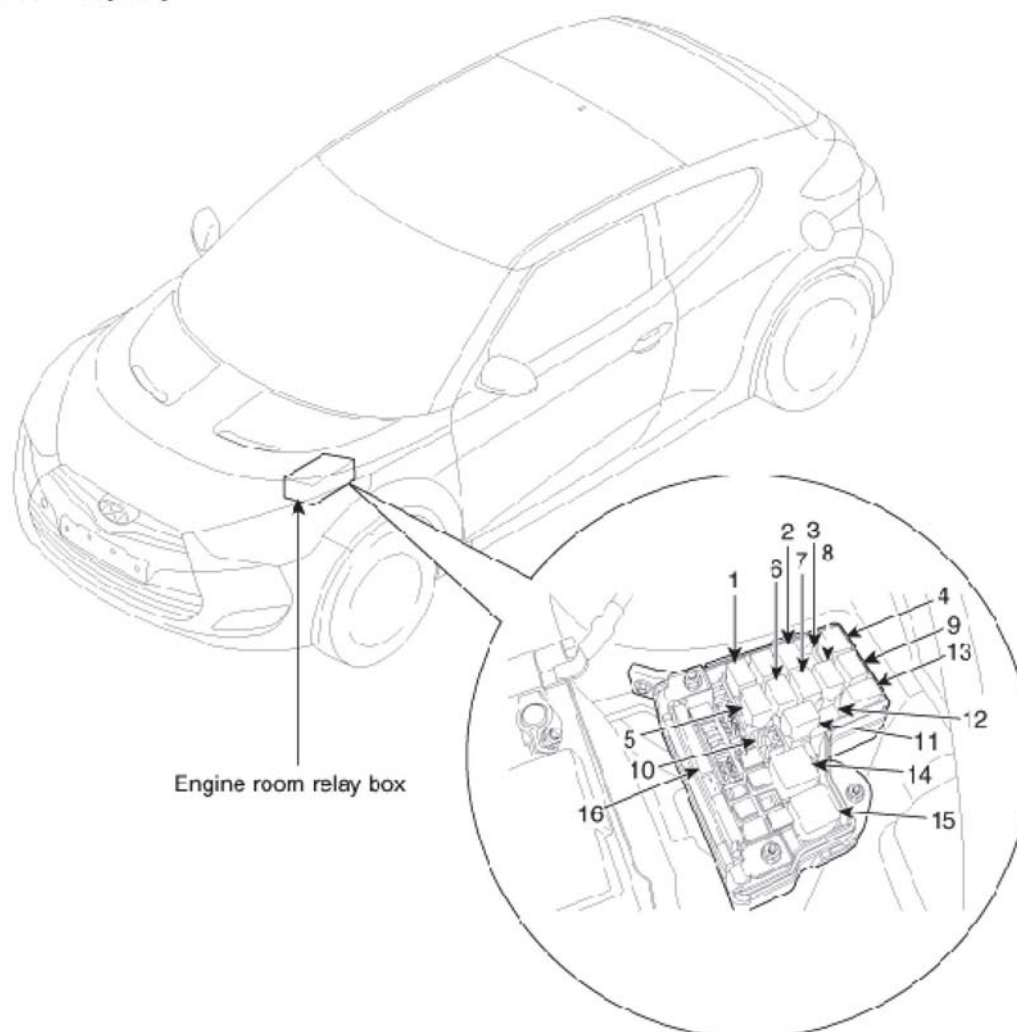
Back :

High : $52 \pm 2^\circ\text{C}(125.6 \pm 35.6^\circ\text{F})$ / LOW : $46 \pm 2^\circ\text{C}(114.8 \pm 35.6^\circ\text{F})$

Body Electrical System > Fuses And Relays > Components and Components Location

Component Location

[Engine room relay box]

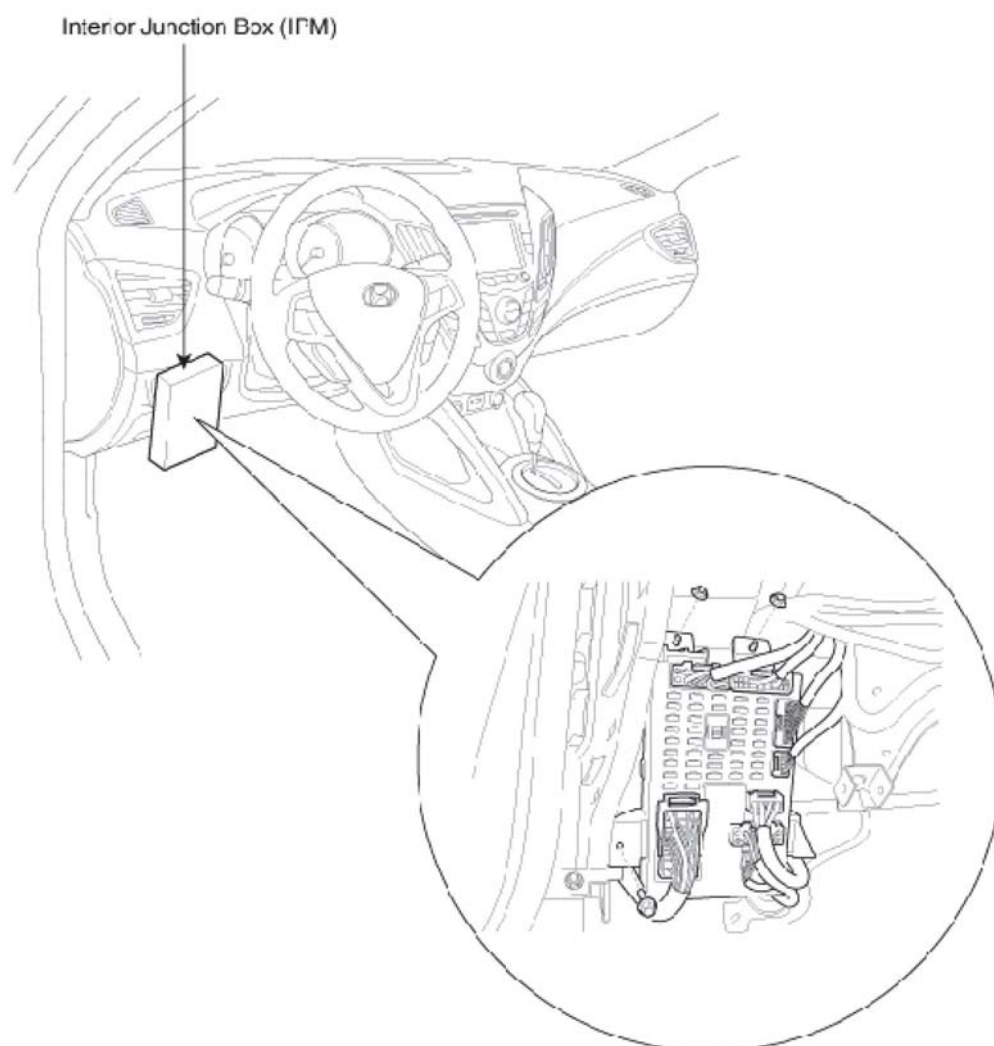


1. A/C relay
2. Fuel pump relay
3. Rear wiper relay
4. Blower relay
5. Buglar alarm horn realy
6. Front wiper relay

7. Starter relay
8. Front fog rlay
9. Cooling fan relay (LOW)
10. Multi purpose check connector
11. Rear glass defogger

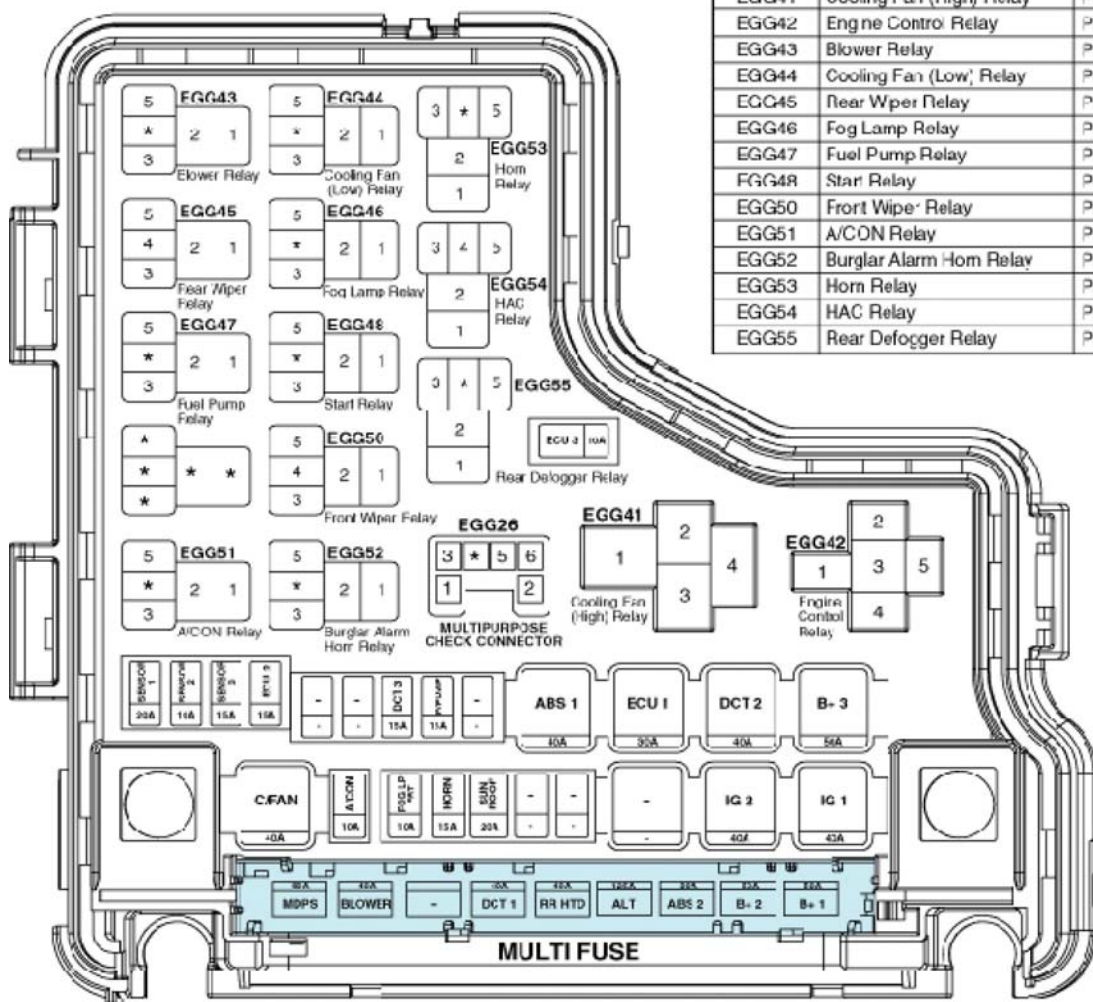
12. Hill start assist relay
13. Horn relay
14. Cooling fan relay (HI)
15. Engine control relay
16. Multi fuse

[Passenger Compartment Junction Box]



Body Electrical System > Fuses And Relays > Relay Box (Engine Compartment) > Components and Components Location

Components



Relay NO.	Relay Name	Relay Type
EGG41	Cooling Fan (High) Relay	Plug MINI
EGG42	Engine Control Relay	Plug MINI
EGG43	Blower Relay	Plug MICRO
EGG44	Cooling Fan (Low) Relay	Plug MICRO
EGG45	Rear Wiper Relay	Plug MICRO
EGG46	Fog Lamp Relay	Plug MICRO
EGG47	Fuel Pump Relay	Plug MICRO
EGG48	Start Relay	Plug MICRO
EGG50	Front Wiper Relay	Plug MICRO
EGG51	A/C ON Relay	Plug MICRO
EGG52	Burglar Alarm Horn Relay	Plug MICRO
EGG53	Horn Relay	Plug MICRO
EGG54	HAC Relay	Plug MICRO
EGG55	Rear Defogger Relay	Plug MICRO

※ USE THE DESIGNATED FUSE AND RELAY ONLY