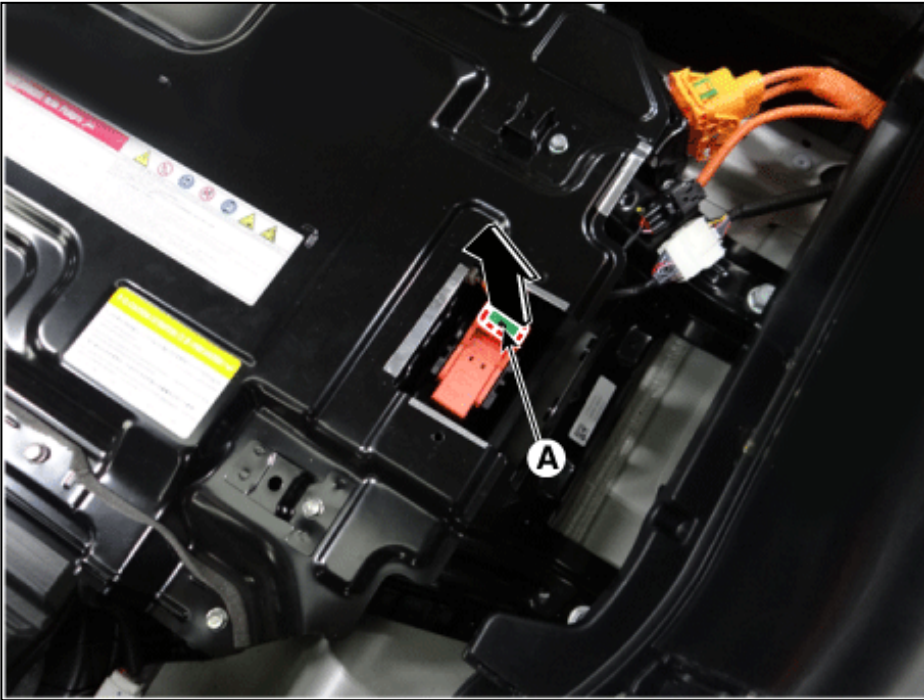




6. Unfasten the hook (A) in the direction of arrow.



7. Unfasten the lever (A) in the direction of arrow.

3. After measuring the voltage levels of the remaining good battery modules, calculate the target voltage level by using the averaging formula as below shown:

Formula to be used for calculation:

$$\text{Target Voltage} = (\text{Voltage of remaining good module 1} + \text{Voltage of remaining good module 2}) / 2$$

[Sub High Voltage Battery Pack Assembly]

Module	Cell
Module 1	1 - 4
Module 2	5 - 8
Module 3	9 - 12
Module 4	13 - 16
Module 5	17 - 20
Module 6	21 - 24
Module 7	25 - 28
Module 8	29 - 32
Module 9	33 - 36
Module 10	37 - 40
Module 11	41 - 44
Module 12	45 - 48

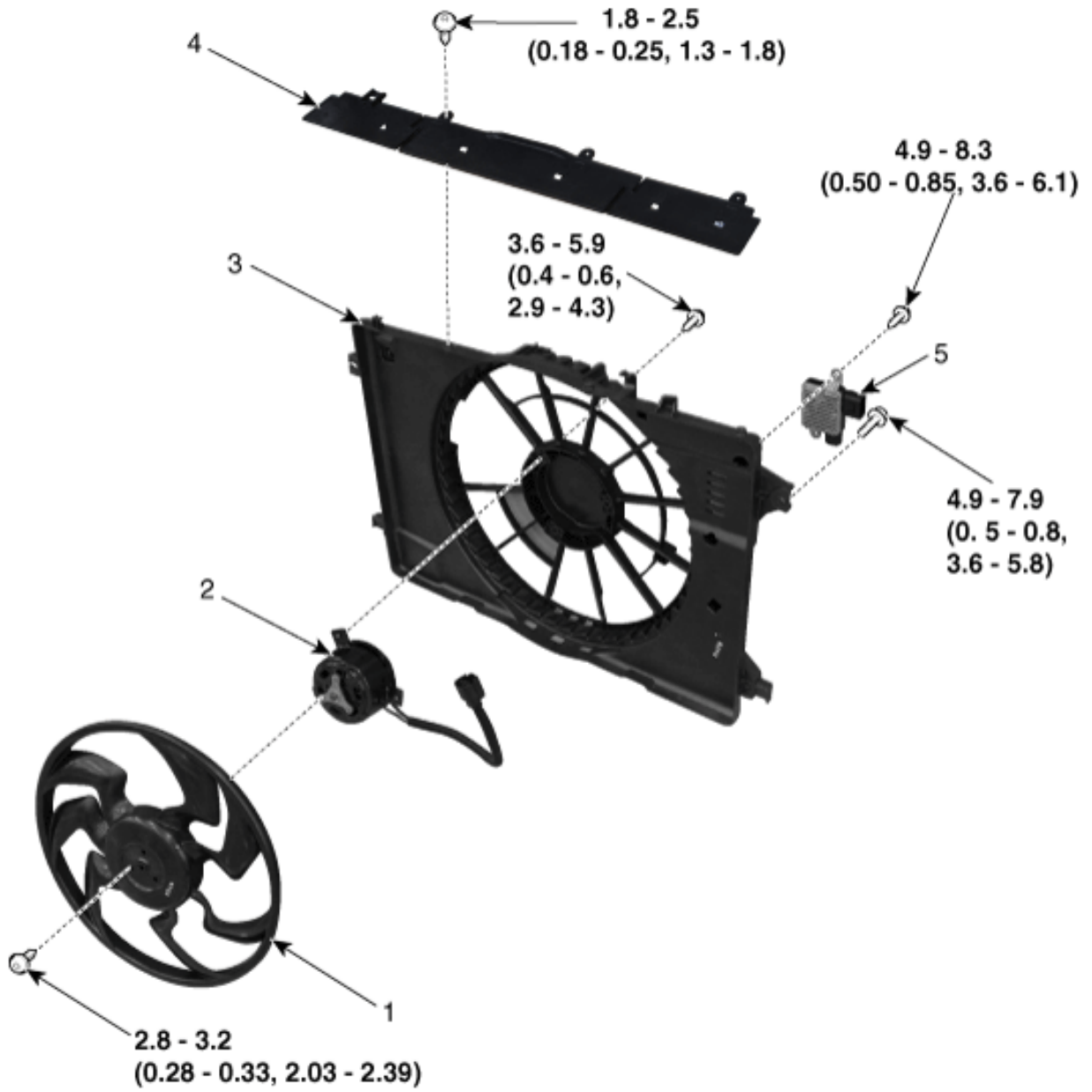
[Main High Voltage Battery Pack Assembly]

Module	Cell
Module 13	49 - 52
Module 14	53 - 56
Module 15	57 - 60
Module 16	61 - 64
Module 17	65 - 68
Module 18	69 - 72
Module 19	73 - 76
Module 20	77 - 80
Module 21	81 - 84
Module 22	85 - 88
Module 23	89 - 92
Module 24	93 - 96

Cell Quantity	Voltage Range (V)
4 cells	10 - 17.2

Please rate this document after reviewing at the bottom of this page.

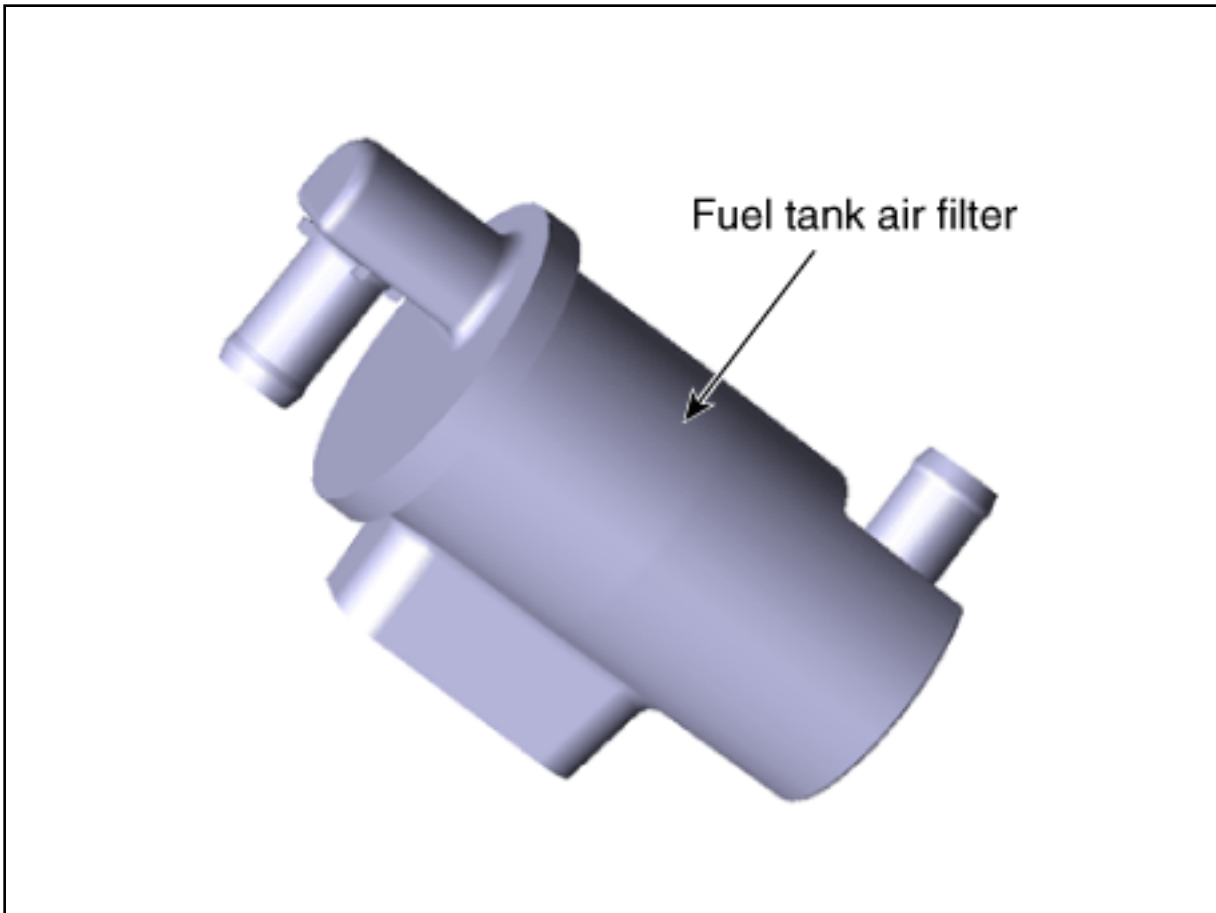
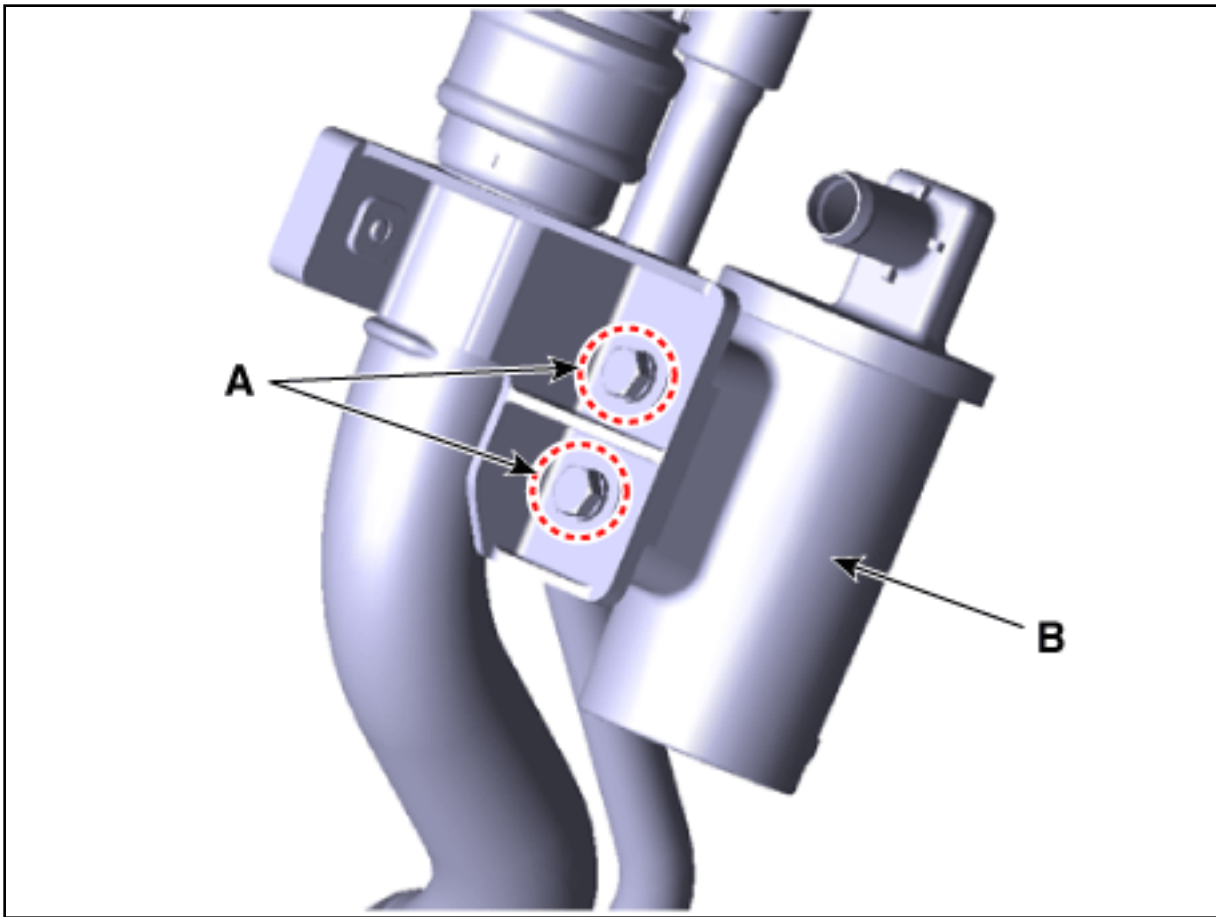
Components



Torque : N·m (kgf·m, lb·ft)

- 1. Cooling fan
- 2. Cooling fan motor
- 3. Cooling fan shroud

- 4. Air dam
- 5. Cooling fan controller (PWM)

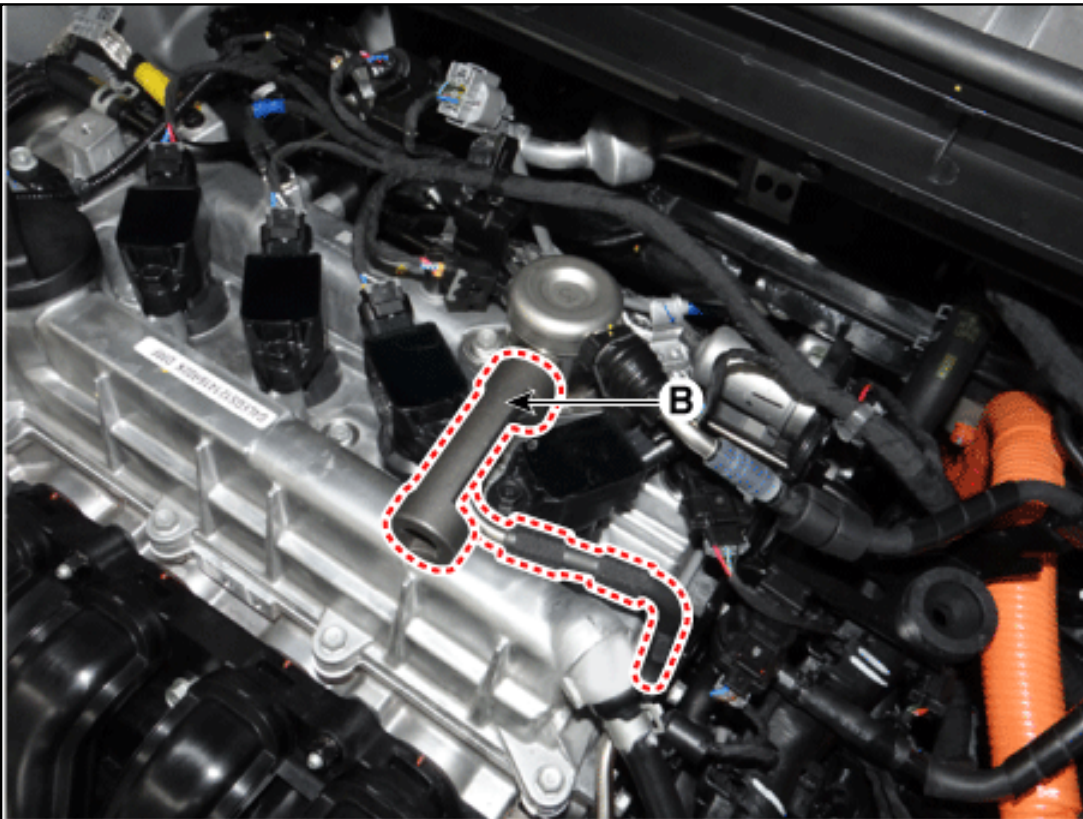


Installation

4. Remove the high pressure pipe flange nut (A) by using the special service tool (B) [SST No. 09314 - 3Q100 or 09314 - 27130].

High pressure fuel pipe flange nut:

26.5 - 32.4 N·m (2.7 - 3.3 kgf·m, 19.5 - 23.9 lb·ft)





Systems

Components

Fold All

■ Motor Driven Power Steering



■ System Identification



■ Steering Angle Sensor(SAS) Calibration



■ Part replacement (Power steering motor)



■ Part replacement (Power steering ECU)



■ EPS Type Recognition



■ Set the steering feel torque to zero



Do not touch any system buttons while performing this function.

	Disc (scratched)	Replace
	IBAU or PSU (Inoperative)	Repair
Noise from brake	Pad or lining (cracked or twisted)	Replace
	Looseness of wheel bolt and caliper	Adjust
	Pad sliding trouble (Pad uneven worn out)	Replace
	Pad or lining (dirty)	Cleaning
	Pad or lining (slippery)	Pad replacement
	Anker or return spring (malfunction)	Replace
	Brake pad shim (damaged)	Replace
	Hold down spring (damaged)	Replace
	Foreign substance stucked between disc and pad	Cleaning
	Corrosion on disc	Test drive brake and cleaning * get rid of corrosion by friction while test drive brake
	Caved disc	Replace
Not fully functioning on brake (when drive speed is fast)	Pad or lining (worned out)	Replace
Brake vibration	Pedal free separation	Adjust
	Damaged on master cylinder cap	Replace
	Damaged on brake line	Replace
	Caliper returning trouble (while tire is turning, check the noise)	Replace
	Transformed disc	Replace

Please rate this document after reviewing at the bottom of this page.

Replacement

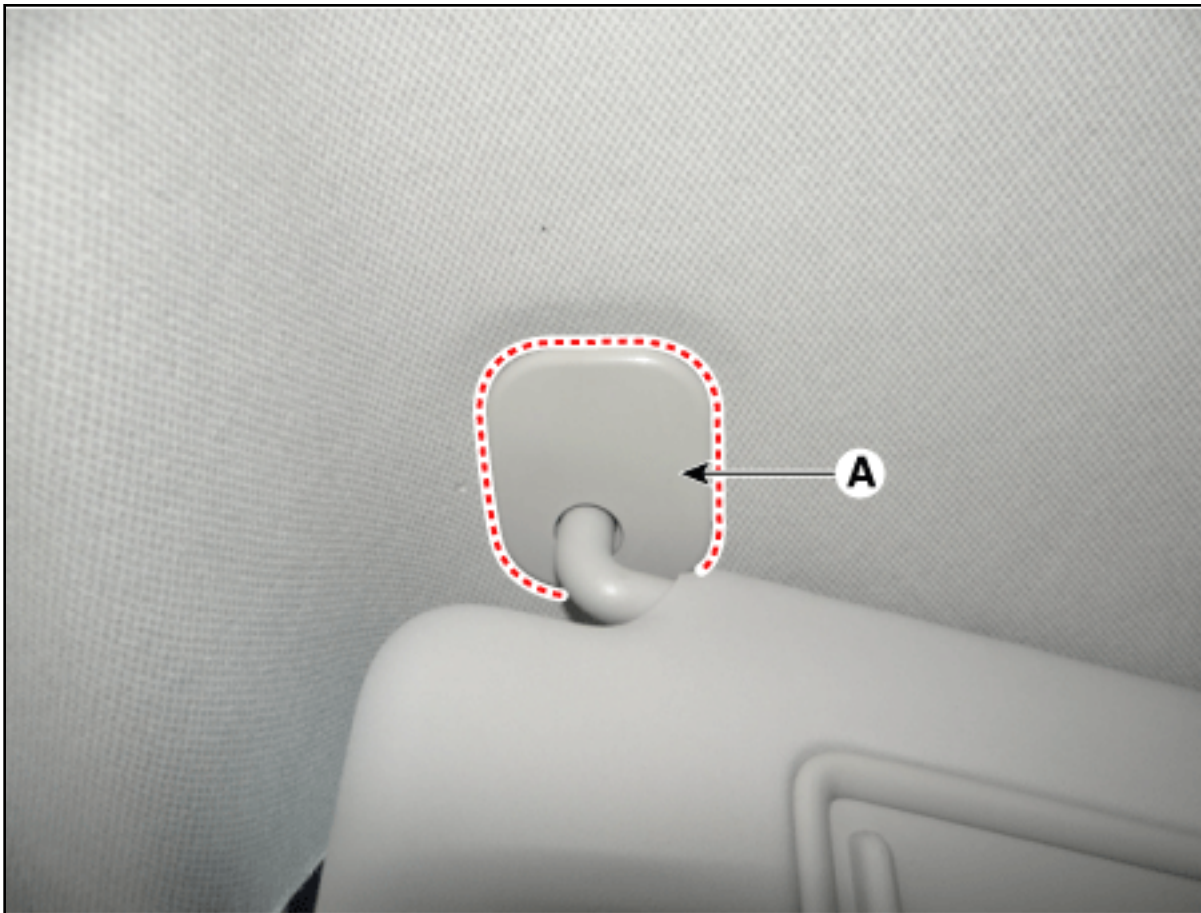


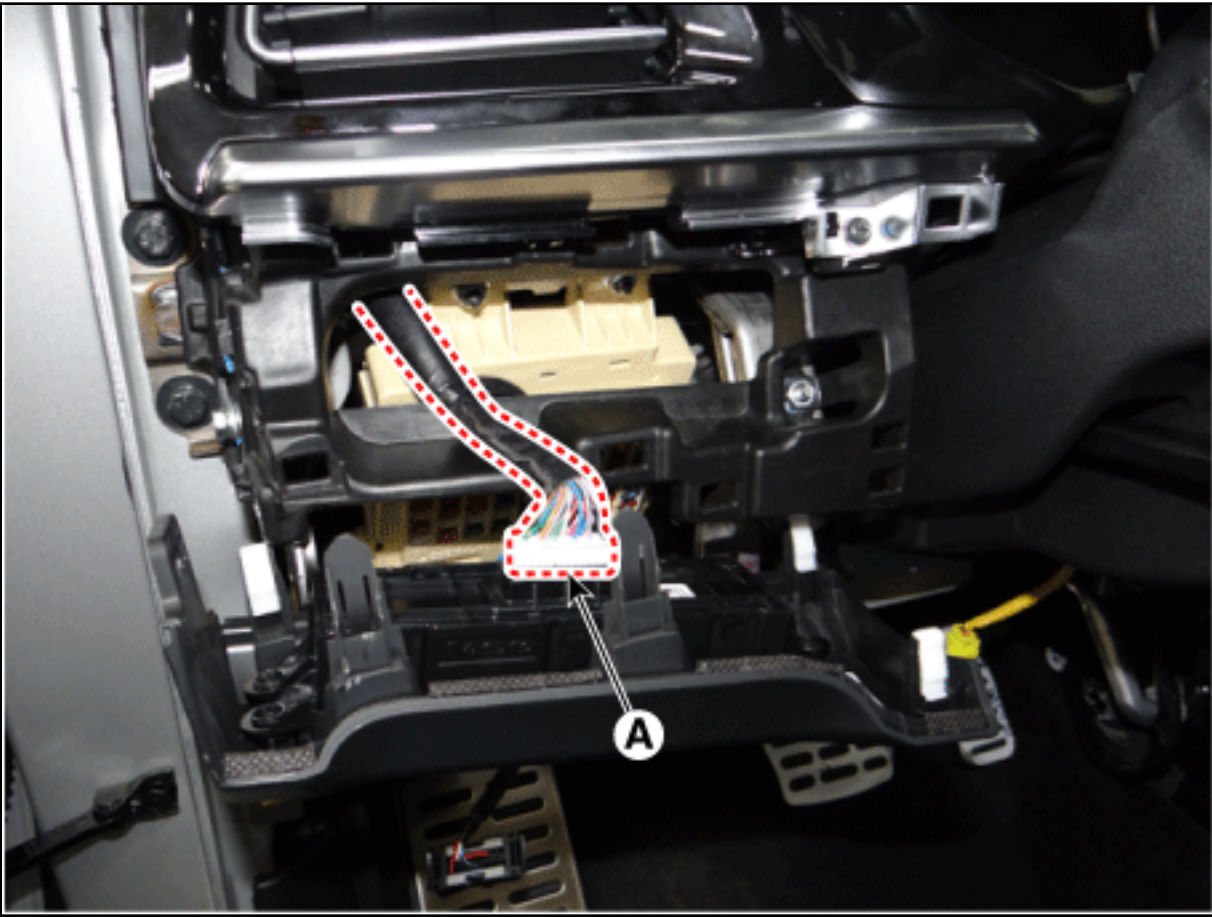
Put on gloves to protect your hands.



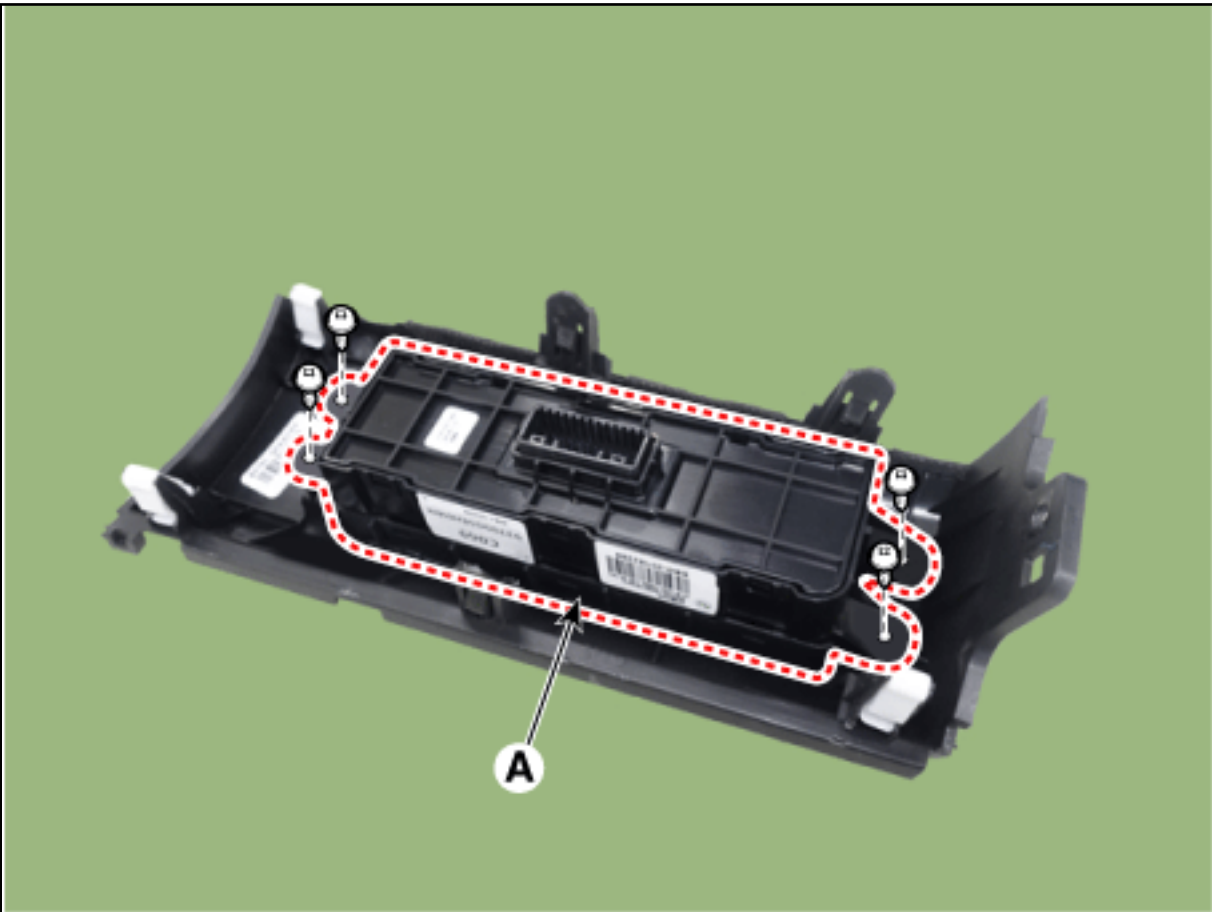
- Use a plastic panel removal tool to remove interior trim pieces without marring the surface.
- Be careful not to bend or scratch the trim and panels.

1. Remove the cap (A) by using a remover.





5. Remove the crash pad side switch (A) after loosening the screws.

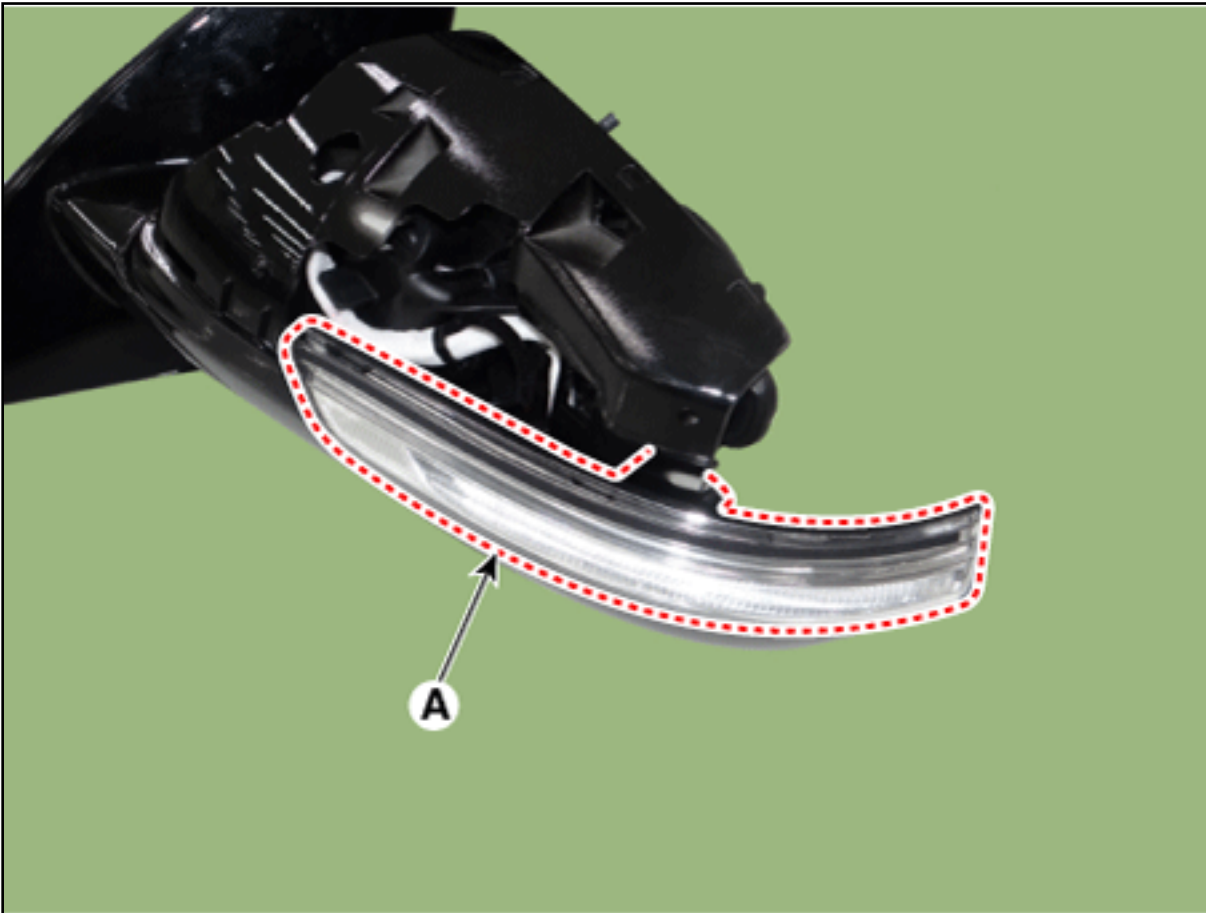


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Removal

Side Repeater (Outside Mirror)

1. Remove the outside mirror scalp.
(Refer to Body - "Outside Rear View Mirror")
2. Remove the side repeater lamp (A) after loosening the mounting screw.



3. Disconnect the connector (A) from the side repeater lamp (B).

Please rate this document after reviewing at the bottom of this page.

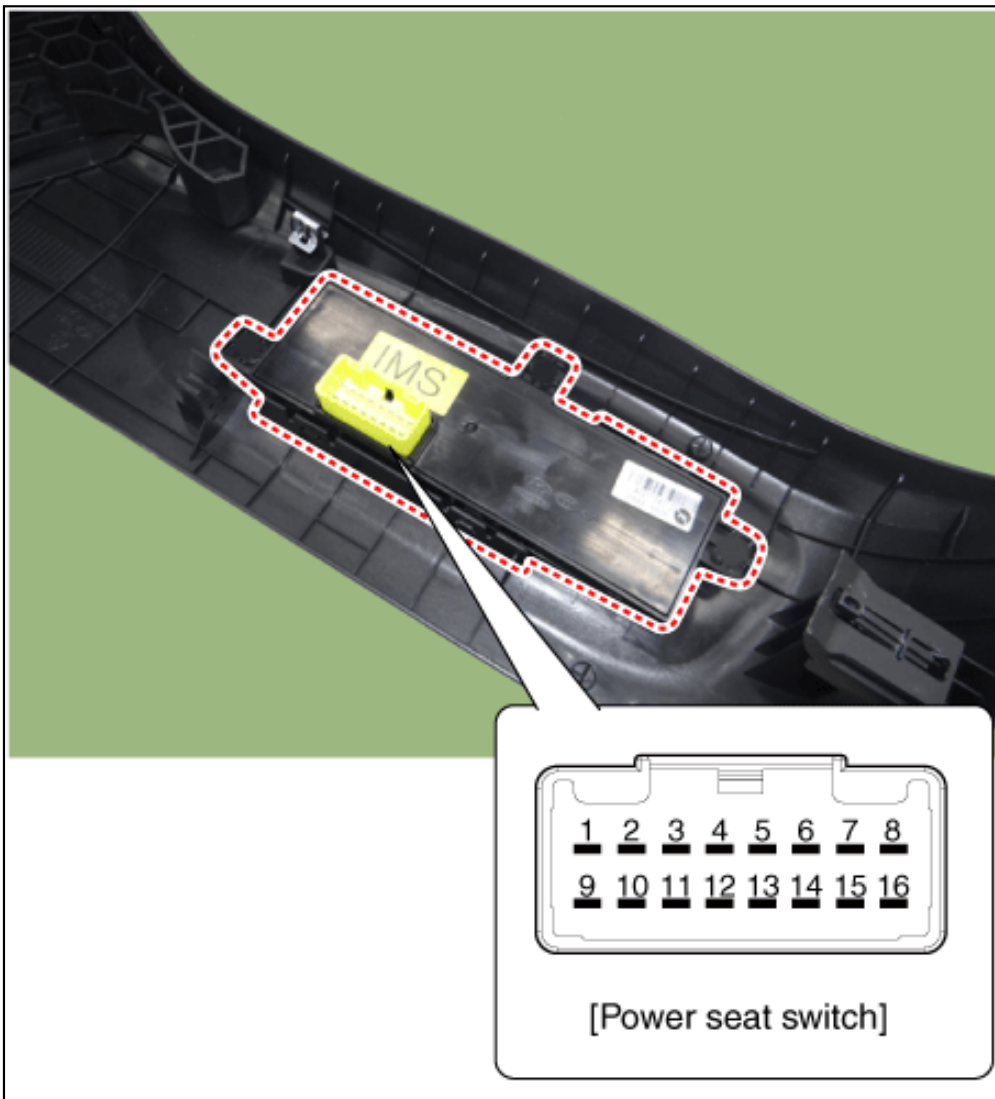
Inspection

Diagnosis With KDS

1. The body electrical system can be quickly diagnosed for failed parts by using the vehicle diagnostic system (KDS).
The diagnostic system (KDS) provides the following information.
 - (1) Self diagnosis : Checks and displays the failure code (DTC).
 - (2) Current data : Checks the system input/output data state.
 - (3) Actuator test : Checks the system operating condition.
 - (4) Additional function : Other controls such as the system option and zero point adjustment.
2. Select the 'Car model' and the system to be checked in order to check the vehicle with the tester.
3. Select the 'Power seat module (PSM)' to check the power seat module (PSM).
4. Select the 'Current data' menu to check the current state of the input/output data.
The input/output data for the sensors corresponding to the power seat module (PSM) can be checked.

Seat Control Switch

1. With the power seat switch in each position, make sure that continuity exists between the terminals below. If continuity is not as specified, replace the power seat switch.



[Power seat control switch]

(Non-IMS Type)

S/W Management

■ Neutralization Mode

● [ECM Neutralization]

Input PIN code and press **[OK]** button.

(CONDITION : IG OFF)

This function may be limited If the PIN code is entered incorrectly three times.

Please enter carefully.

OK

Cancel

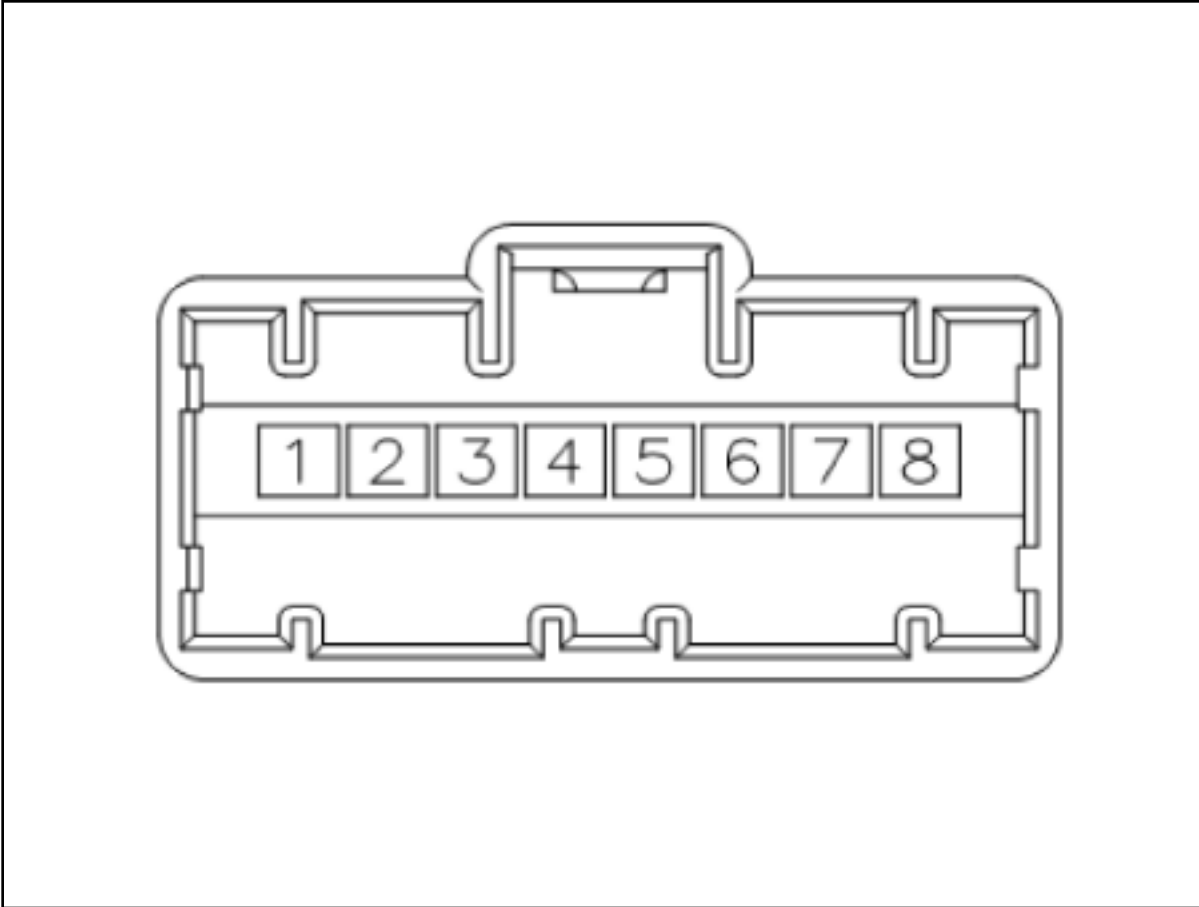


Do not touch any system buttons while performing this function.

Please rate this document after reviewing at the bottom of this page.

Inspection

1. Switch "ON" the ignition.
2. Connect the KDS.
3. Emit intensive light toward the photo sensor using a lamp, and check the change in output voltage.
4. The voltage will rise with higher intensive light and fall with lower intensive light.



- | | |
|----------------------|---------------------|
| 1. Auto light signal | 5. LED signal |
| 2. Auto light ground | 6. Photo DRV |
| 3. Photo signal (RH) | 7. Photo power |
| 4. LED battery (+) | 8. Auto light power |

Replacement

1. Disconnect the negative (-) battery terminal.



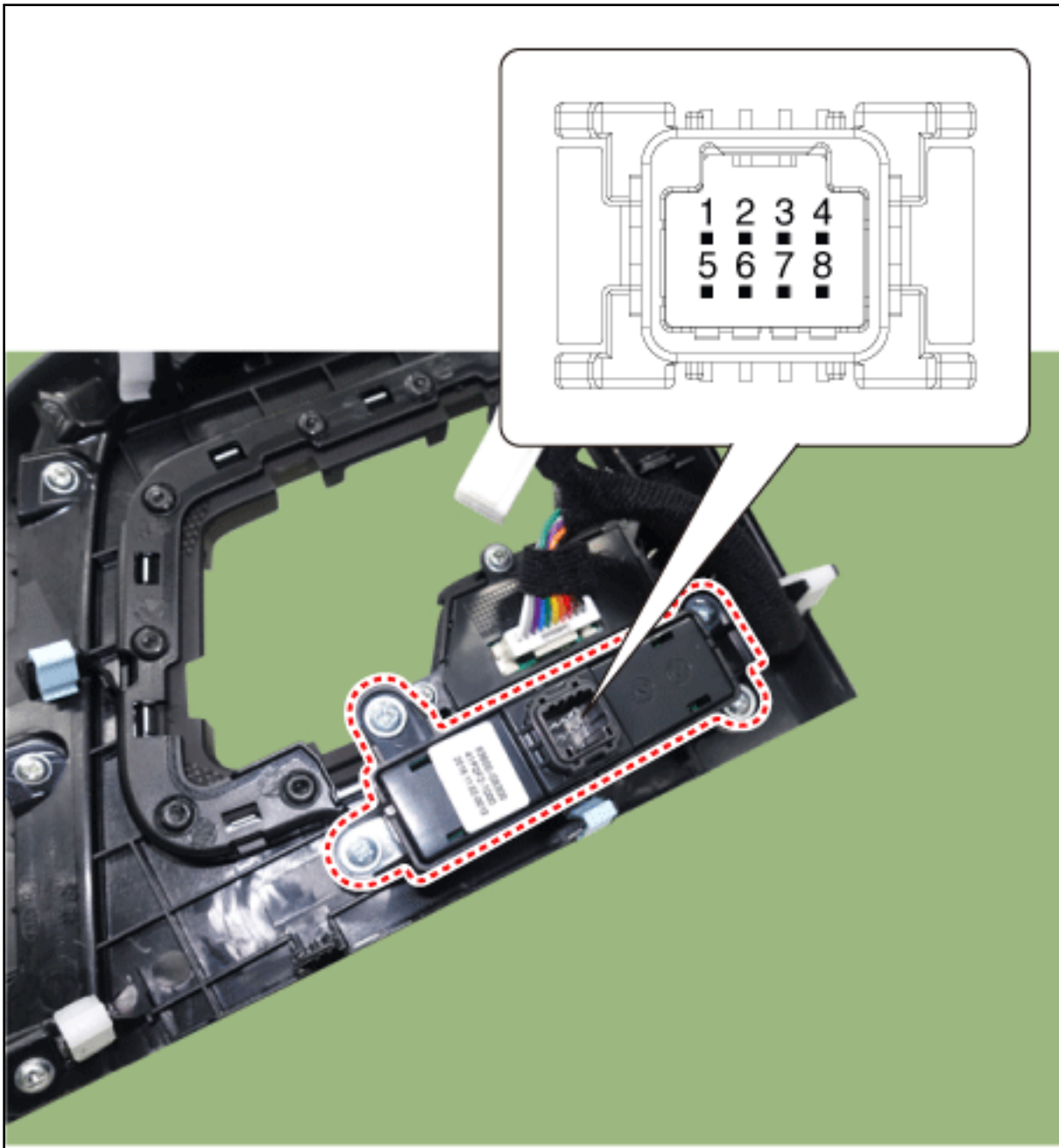
- Do not tow with sling-type equipment. Use wheel lift or flatbed equipment.
- Never tow the vehicle with the front wheels on the ground (forward or backward), as this may cause fire or damage to the motor.



Emergency Starting

Do not attempt to jump start the high voltage battery, it cannot be jump started. In case of full discharge of the high voltage battery, the vehicle must be towed as mentioned on the previous page. In case the 12V auxiliary battery is discharged, attach jumper cables or starting device to the battery in the luggage side as you would any 12V battery (see image).

Refer to “Emergency Starting” of Owner’s Manual for additional information. Connect jumper cables in numerical order and disconnect in reverse order.



[2 Button]

Terminal \ Position	OFF	ON	Remarks
2		○	Ground
8		○ ○	Switch

[3 Button]