

Component Procedures: Power Seat Motor

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Component Procedures: Power Seat Motor

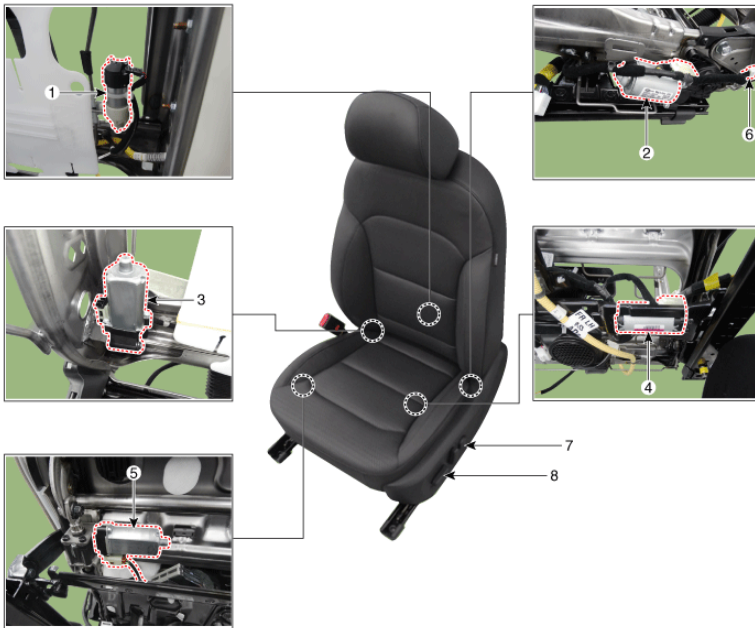
Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Power Seats > Adjuster	88500F3000	Left	951.58	
Power Seats > Adjuster	88600F3000	Right	1292.92	

Power Seat Motor - Components and Components Location (Article 44552)

- Component Location

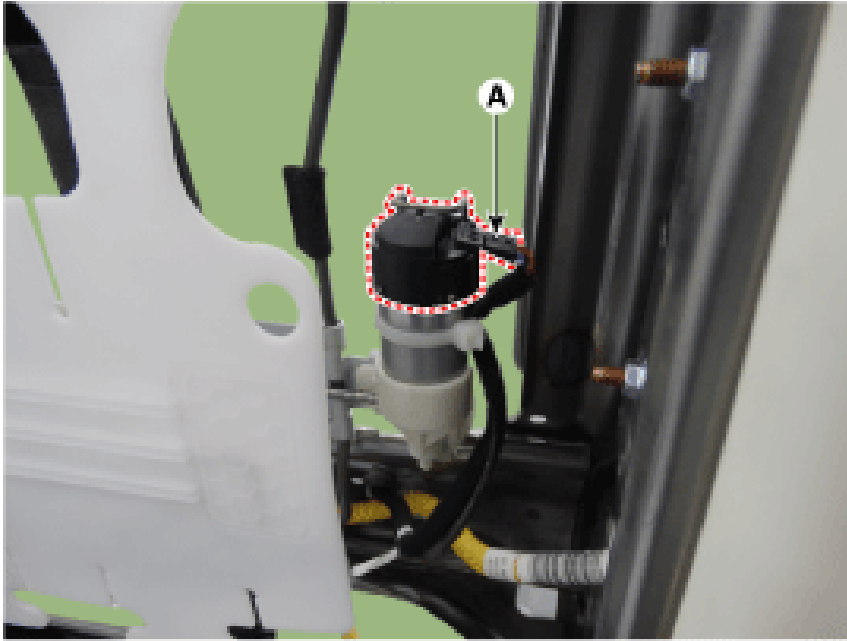


1. Lumbar support motor (Horizontal) 2. Rear height motor 3. Reclining motor 4. Slide motor 5. Front height motor 6. Reclining limit switch 7. Lumbar support switch 8. Seat switch

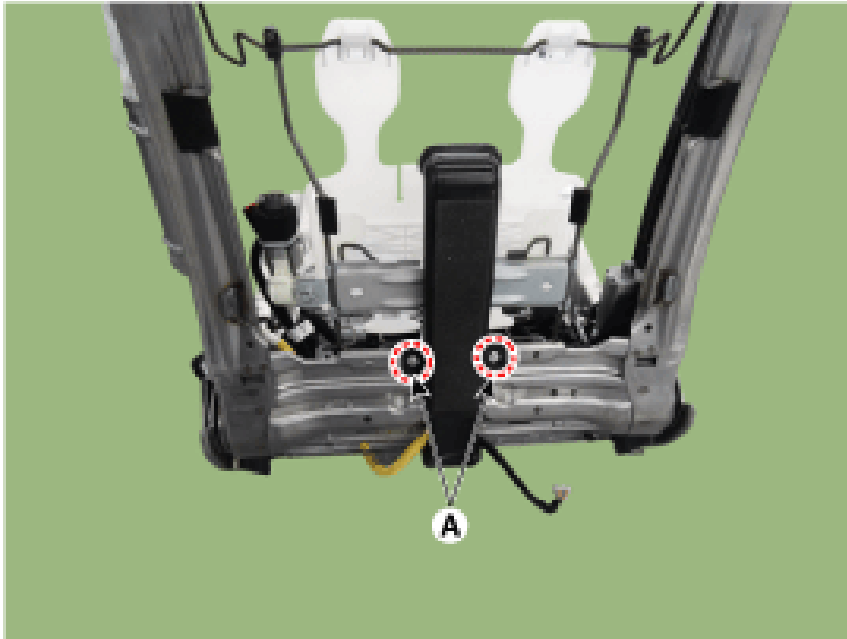
Lumbar Support Unit - Repair Procedures (Article 44572)

- Removal

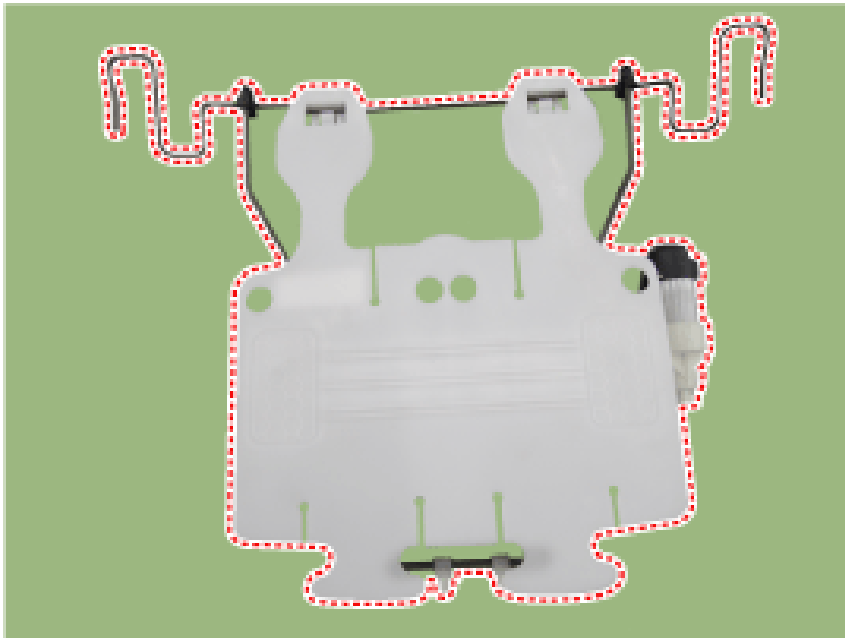
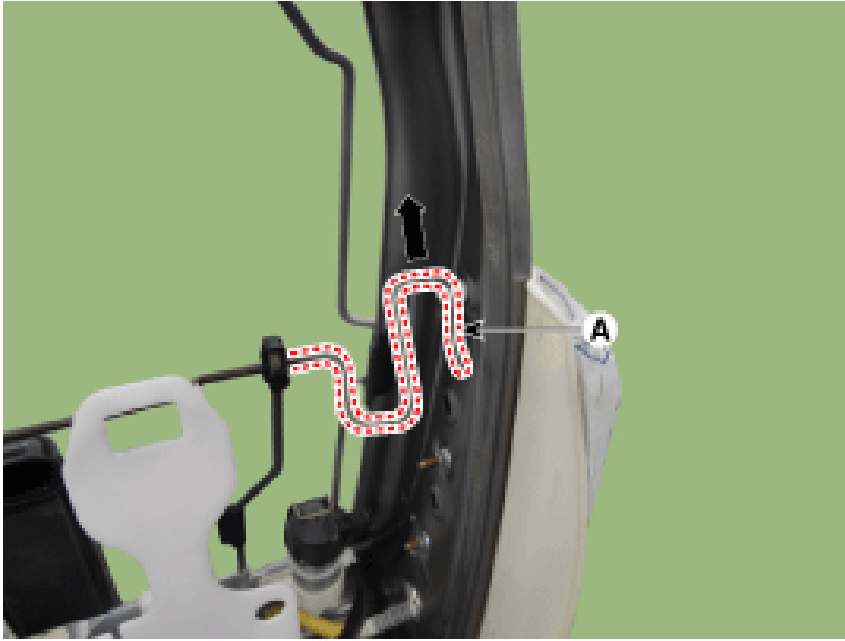
- Disconnect the negative (-) battery terminal.
- Remove the front seat assembly. (Refer to Body - "Front Seat Assembly")
- Remove the seat back. (Refer to Body - "Front Seat Back Cover")
- Disconnect the lumbar support motor connector (A).



- Separate the retaining clips (A) from the seat frame .



- Remove the lumbar support assembly after disengaging mounting clip (A).



- Installation

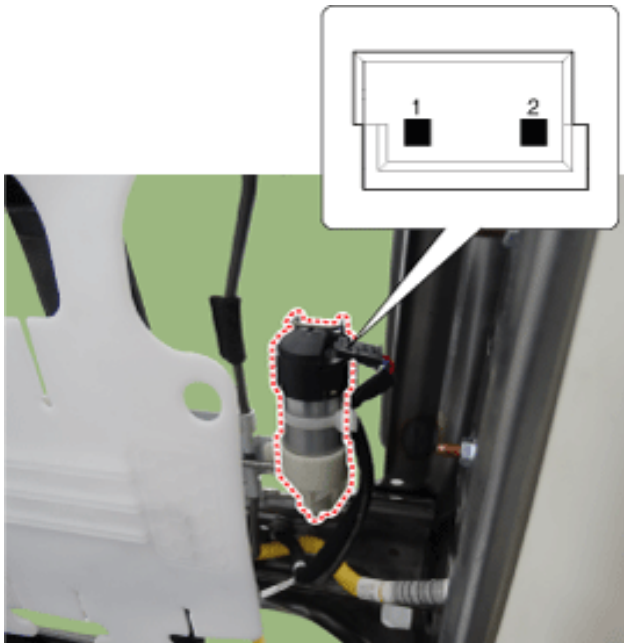
- Install the lumbar support assembly.
- Install the seat back cover.
- Install the front seat assembly. Make sure that the connectors are plugged in properly. Check the rear lumbar support system.

Make sure that the connectors are plugged in properly. Check the rear lumbar support system.



- Make sure that the connectors are plugged in properly.
- Check the rear lumbar support system.

- Inspection
Lumbar Support Motor
- Disconnect the connectors for each motor. [Lumbar Support Motor]
[Lumbar Support Motor]



- With the battery connected directly to the motor terminals, check if the motors run smoothly.
- Reverse the connections and check that the motor turns in reverse.
- If there is an abnormality, replace the motors.

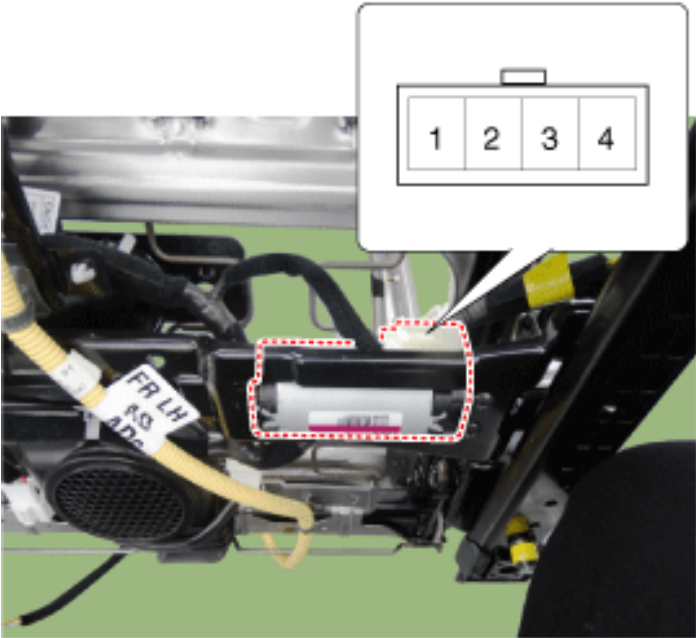
		Terminal	
		+	-
Lumbar support motor	Forward	1	2
	Backward	2	1

Power Seat Motor - Repair Procedures (Article 44553)

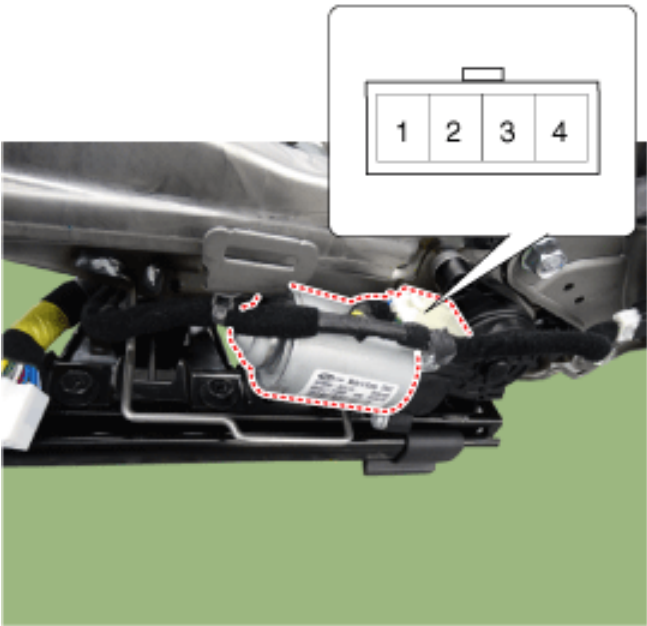
- Inspection
Diagnosis with GDS
- The body electrical system can be quickly diagnosed failed parts with vehicle diagnostic system (GDS). The diagnostic system (GDS) provides the following information. Self diagnosis : Checking the failure code (DTC) and display Current data : Checking the system input/output data state Actuator test : Checking the system operation condition Additional function : Other controlling such as he system option and zero point adjustment
- Self diagnosis : Checking the failure code (DTC) and display
- Current data : Checking the system input/output data state
- Actuator test : Checking the system operation condition
- Additional function : Other controlling such as he system option and zero point adjustment
- Select the "Car Model" and the system to be checked in order to check the vehicle with the tester.
- Select the "Power Seat Module (PSM)" to check the power seat module (PSM).
- Select the "Current Data" menu to search 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.
- If you will check the power door lock operation forcefully, select "Actuation test".

Power Seat Motor

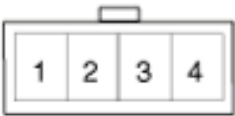
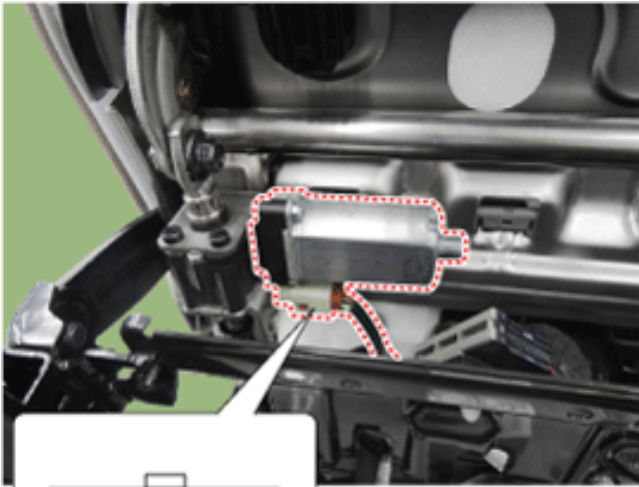
- Disconnect the connectors for each motor. [Slide Motor] [Rear Height Motor] [Front Height Motor] [Reclining Motor] [Lumbar Support Motor] [Slide Motor]



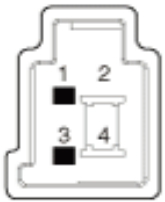
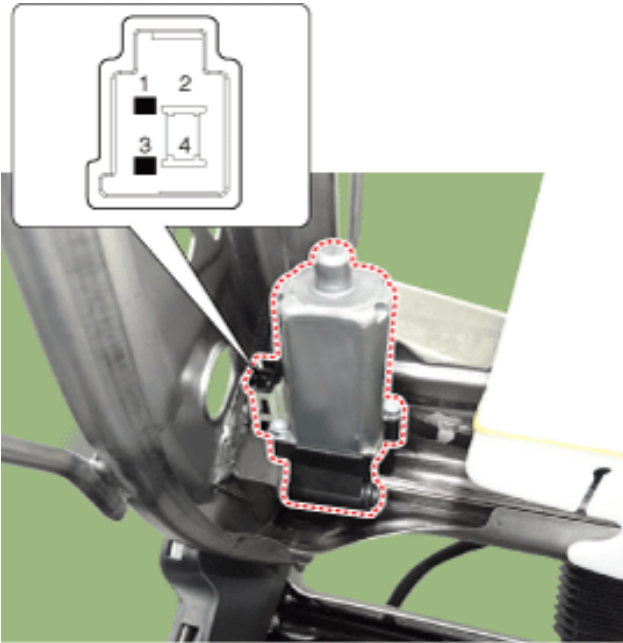
[Rear Height Motor]



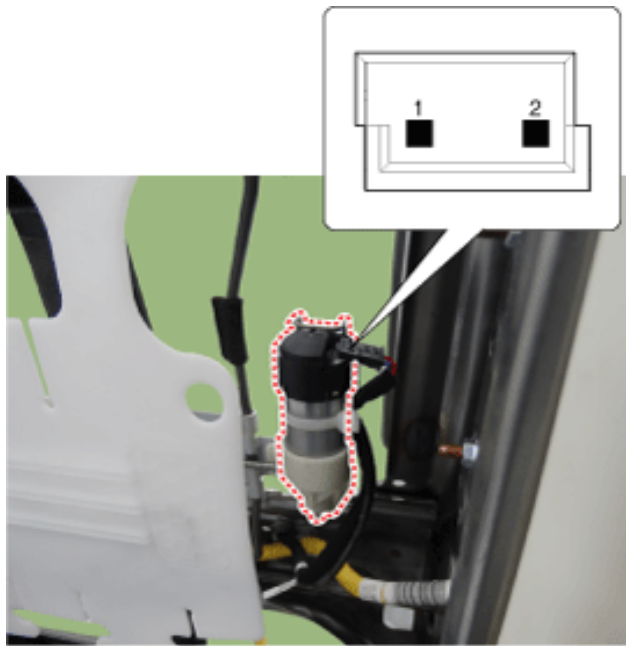
[Front Height Motor]



[Reclining Motor]



[Lumbar Support Motor]



- With the battery connected directly to the motor terminals, check if the motors run smoothly.
- Reverse the connections and check that the motor turns in reverse.
- If there is an abnormality, replace the motors. [Driver / Assist]
[Driver / Assist]

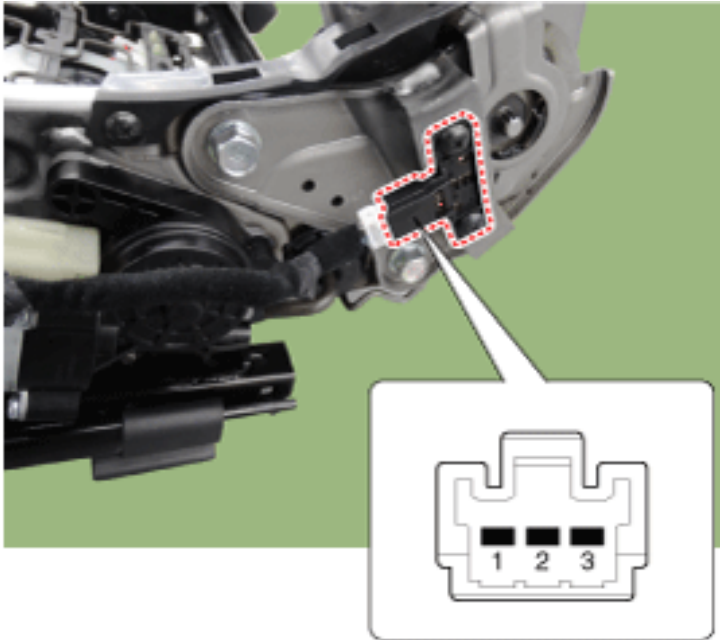
Position		Terminal			
		1	2	3	4
Slide motor A	Forward	⊕			⊖
	Backward	⊖			⊕
Rear height motor B	Up		⊕		⊖
	Down		⊖		⊕
Front height motor C	Up	⊖			⊕
	Down	⊕			⊖
Reclining motor D	Front		⊖		⊕
	Rear		⊕		⊖
Lumbar support motor (Vertical) E	Forward	⊕	⊖		
	Backward	⊖	⊕		

[Reclining Motor Limit Switch]

The power seat motor (IMS specification) mounted in this vehicle uses the hole sensor to calculate the maximum operation distance, so it does not require limit switch. But, NON- IMS specification driver seat and passenger seat have limit switches in the motor in the back of the chairs.

NOTICE

- The power seat motor (IMS specification) mounted in this vehicle uses the hole sensor to calculate the maximum operation distance, so it does not require limit switch.
- But, NON- IMS specification driver seat and passenger seat have limit switches in the motor in the back of the chairs.
- Disconnect the limit switch and operate the limit switch.
- Check for continuity between the terminals.
- Make sure that the seat operation is normal in the reverse after the maximum operation.
- If there is an abnormality, replace the limit switch.



Terminal \ Position	3	2	1
Forward	○ ————— ○		
Neutral	○ ——— ○ ——— ○		
Backward	○ ——— ○		

- Remove Front Seat
- Disconnect the battery terminals.
- Remove the front seat assembly. (Refer to Body - "Front Seat Assembly")