

# SEAT

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دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



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## GENERAL INFORMATION

### General

### Description

#### Driver Seat Assembly

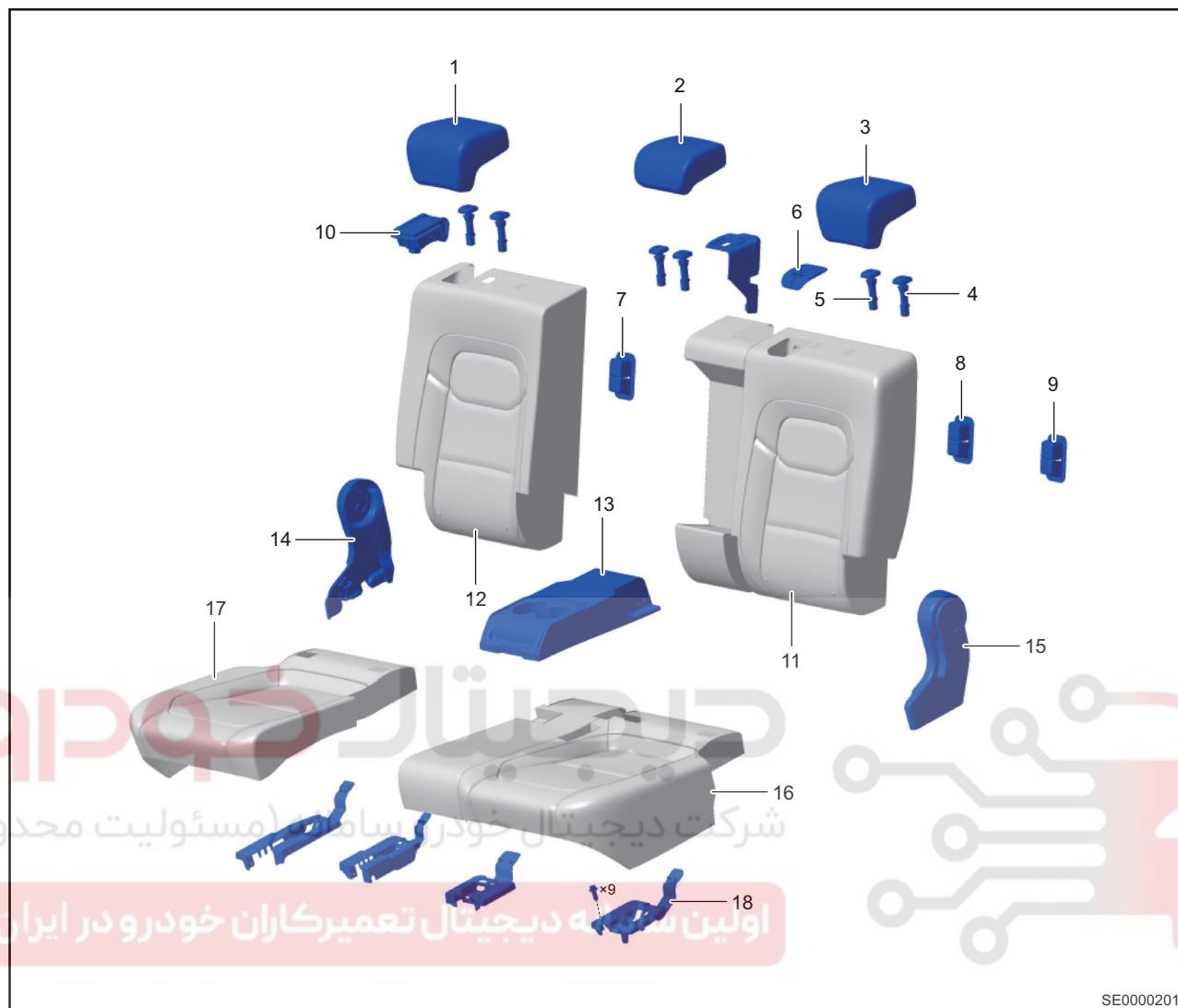


SE0000101

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1 - Driver Seat Headrest Assembly	2 - Driver Seat Right Headrest Guide (w/ Button)
3 - Driver Seat Left Headrest Guide (w/ Button)	4 - Driver Seatback Assembly
5 - Driver Seat Belt Front Left Buckle Assembly	6 - Driver Inside Shield Assembly
7 - Driver Seat Track Assembly	8 - Driver Seat Cushion Assembly
9 - Driver Seat Outside Adjustment Shield	10 - Driver Seat Lumbar Support Adjustment Switch
11 - Driver Seat Front-back Adjustment Switch	12 - Driver Seatback Adjustment Switch

## Middle Seat Assembly



SE0000201

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1 - Middle Right Seat Headrest Assembly	2 - Middle Center Seat Headrest Assembly
3 - Middle Left Seat Headrest Assembly	4 - Middle Seat Headrest Guide (w/ Button)
5 - Middle Seat Headrest Guide (w/ Button)	6 - Middle Center Seatback Unlock Mechanism Assembly
7 - Child Seat Right Fixture	8 - Child Seat Center Fixture
9 - Child Seat Left Fixture	10 - Middle Right Seatback Unlock Mechanism Assembly
11 - Middle Left Seat Seatback Assembly	12 - Middle Right Seat Seatback Assembly
13 - Center Armrest Assembly	14 - Middle Right Seat Reclining Handle
15 - Middle Left Seat Reclining Handle	16 - Middle Left Seat Cushion Assembly
17 - Middle Right Seat Cushion Assembly	18 - Middle Seat Rear Plastic Cap

## Rear Seat Assembly



1 - Rear Right Seat Headrest Assembly	2 - Rear Right Seatback Unlock Mechanism Assembly
3 - Rear Seat Headrest Guide (w/ Button)	4 - Rear Seat Headrest Guide (w/ Button)
5 - Rear Left Seat Headrest Assembly	6 - Rear Left Seatback Unlock Mechanism Assembly
7 - Left Seat Outside Shield	8 - Left Seat Inside Shield
9 - Rear Seat Left Plastic Cap	10 - Rear Right Seatback Assembly
11 - Rear Right Seat Cushion Assembly	

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Front seat assembly can be moved forward and backward by power seat front-back adjustment switch, and upward and downward by seat vertical adjustment switch (for driver side seat), and seat reclining can be adjusted by seatback adjustment switch.

Middle seat assembly can be adjusted forward and backward through seat adjusting handle, and the rear seatback can be folded by pulling seatback unlock mechanism assembly, to help increase the storage space in the vehicle. (For EASYENTRY function of middle left seat, the second seat can be folded and moved forward simply by holding the outer button of seatback, which is convenient for the access of third seat).

Rear seat cannot move forward and backward; however, the rear seatback can be folded by pulling seatback unlocking mechanism assembly, to help increase the storage space of luggage compartment.

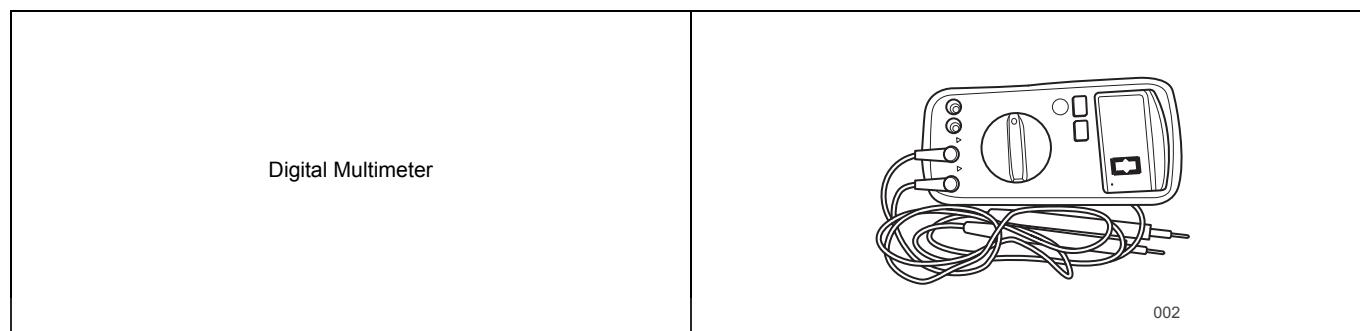
## Specifications

### Torque Specifications

Description	Torque (N·m)
Front Seat Assembly Fixing Bolt	50 ± 5.0
Seat Outer Shield Assembly Fixing Screw	1.5 ± 0.5
Seat Belt Buckle Assembly Fixing Bolt	50 ± 5.0
Seat Inside Shield Assembly Fixing Screw	1.5 ± 0.5

## Tool

### General Tool



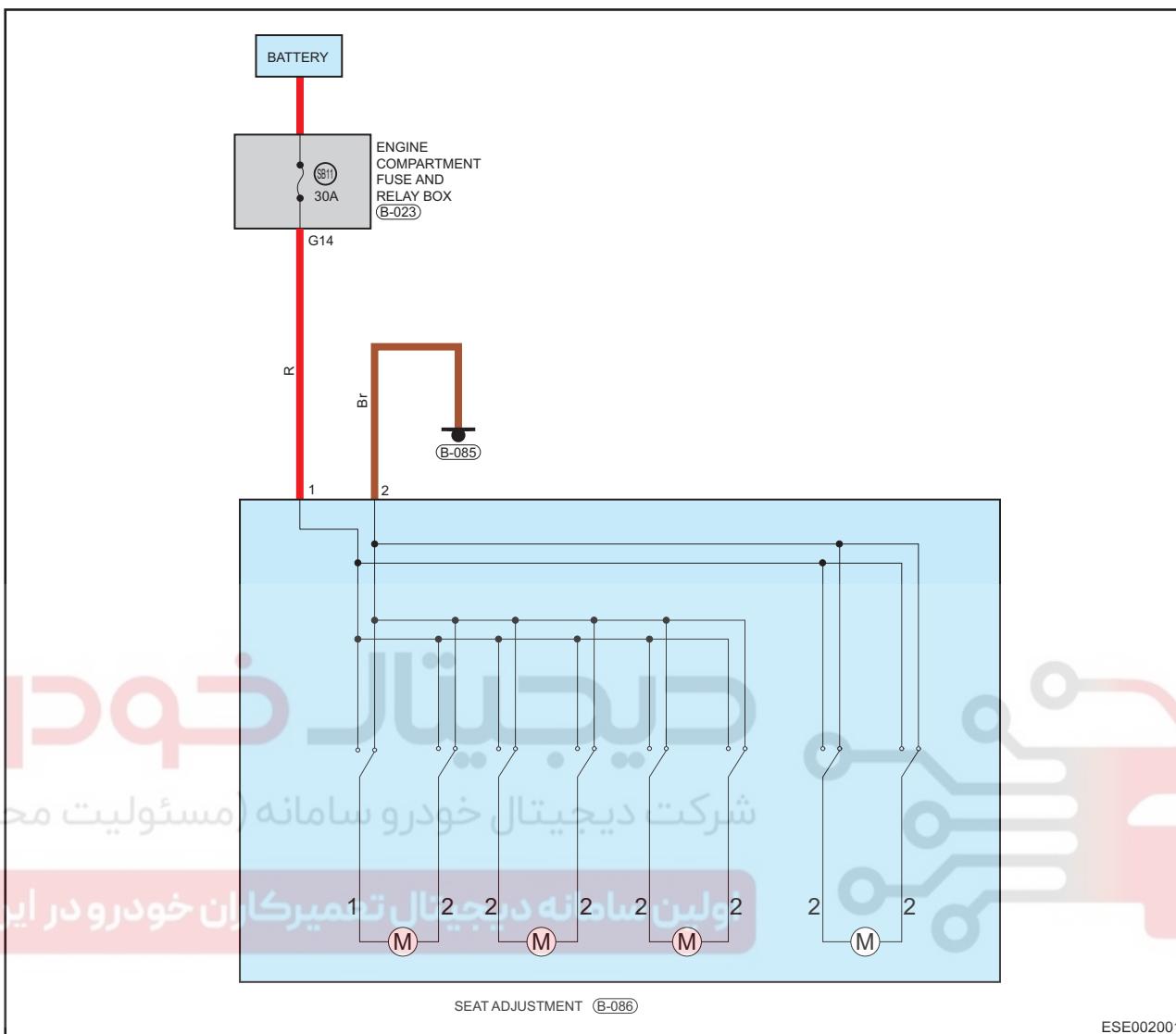
# دیجیتال خودرو

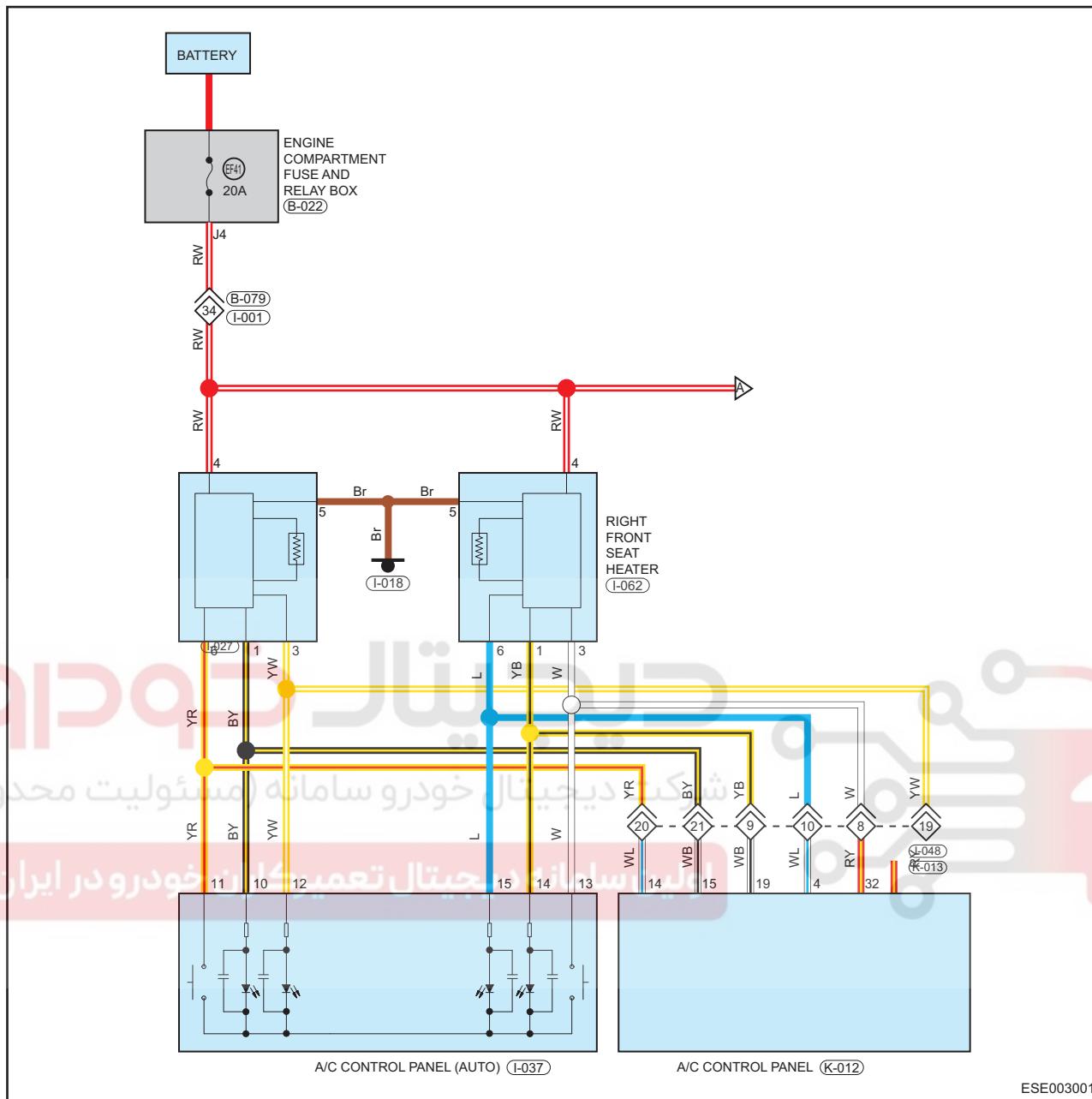
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

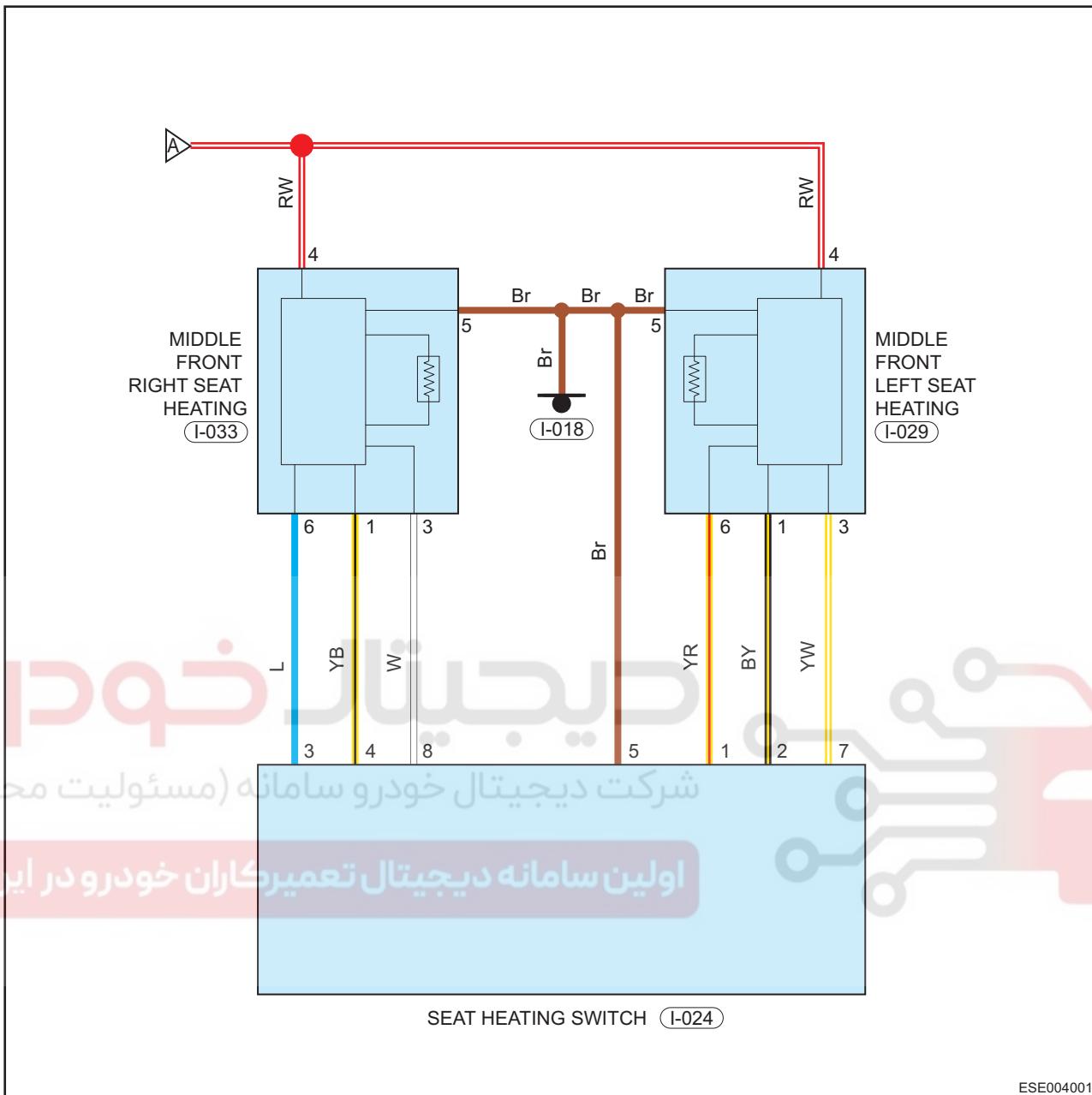
اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



## Circuit Diagram







# ON-VEHICLE SERVICE

## Front Seat Assembly

### Removal

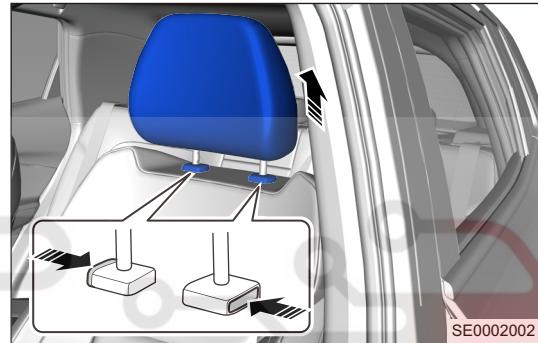
#### Warning/Caution/Hint

- Use same procedures for front passenger seat assembly and driver seat assembly.
- Procedures listed below are for driver seat assembly.

#### Caution:

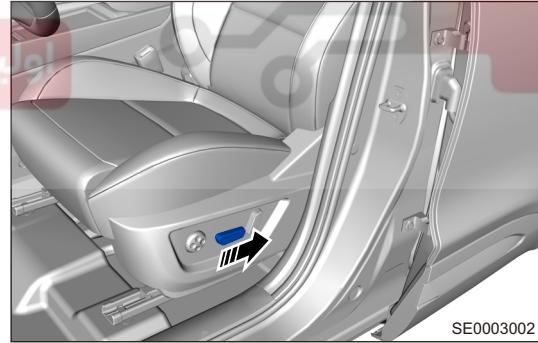
- When removing driver seat assembly, be sure to wear safety equipment to prevent accidents.
- When removing driver seat assembly, appropriate force should be applied. Be careful not to operate roughly.
- DO NOT scratch interior and body paint when removing driver seat assembly.

1. Turn off all electrical equipment and the ignition switch.
2. Remove the driver seat headrest assembly.
  - (a) As shown in the illustration, press the release button of seat headrest guide (w/ button), and remove driver seat headrest assembly.



3. Remove the driver seat assembly.

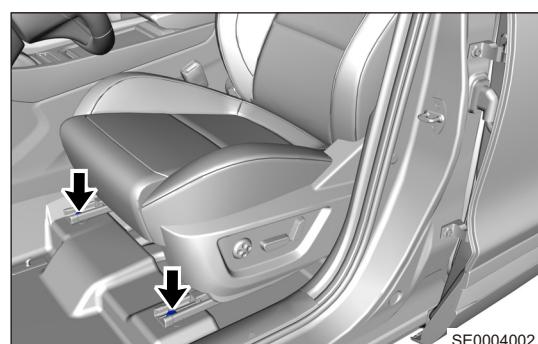
- (a) As shown in the illustration, press power seat forward-backward adjustment switch, and move seat assembly to rearmost position.



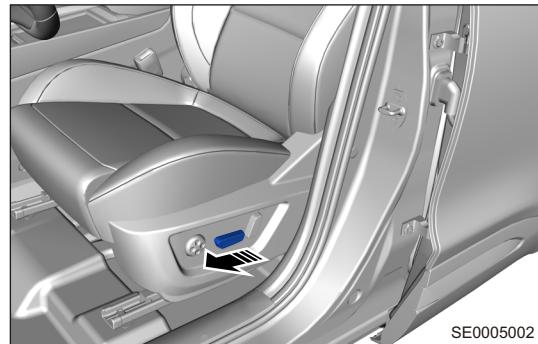
- (b) Remove 2 fixing bolts (arrow) from front side of seat assembly.

#### Tightening torque

$50 \pm 5.0 \text{ N}\cdot\text{m}$



(c) As shown in the illustration, press power seat front-back adjustment switch, and move seat assembly to foremost position.

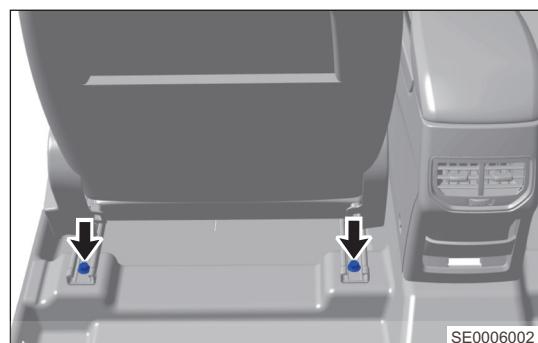


SE0005002

(d) Remove 2 fixing bolts (arrow) from rear side of seat assembly.

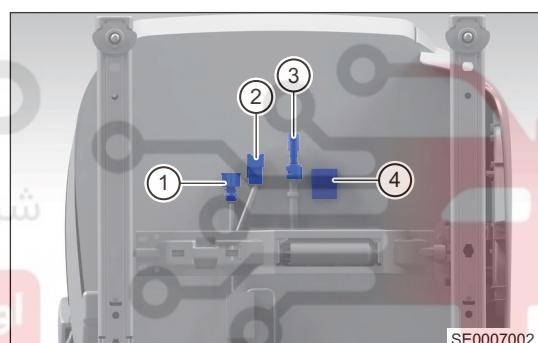
**Tightening torque**

$50 \pm 5.0 \text{ N}\cdot\text{m}$



SE0006002

(e) Disconnect the driver side safety airbag connector (1), seat module connector (2), side airbag connector (3) and seat motor connector (4).



SE0007002

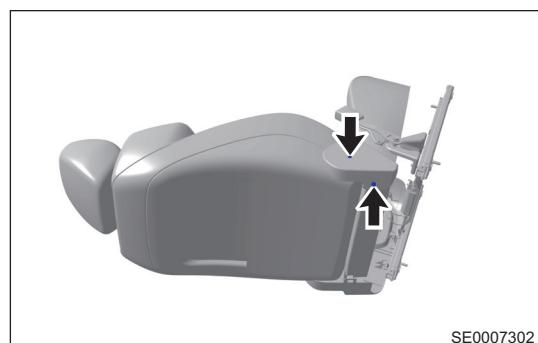
(f) Remove the driver seat assembly.

4. Remove the driver seat inside shield.

(a) Remove 2 fixing screws (arrow) driver seat inside shield.

**Tightening torque**

$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



SE0007302

(b) Remove the driver seat inside shield.

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## 5. Remove the driver seat outside shield.

(a) Using a flat tip screwdriver wrapped with protective tape, pry off seat adjustment button.



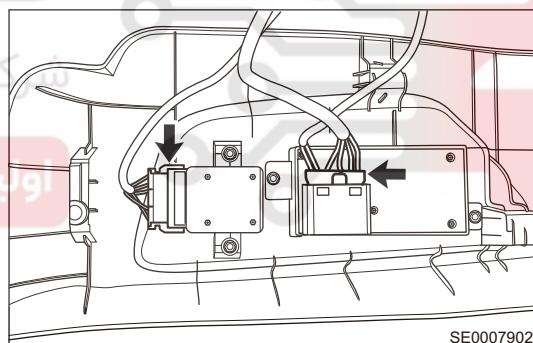
(b) Remove 1 fixing screw (arrow) from seat outside shield.

**Tightening torque** $1.5 \pm 0.5 \text{ N}\cdot\text{m}$ 

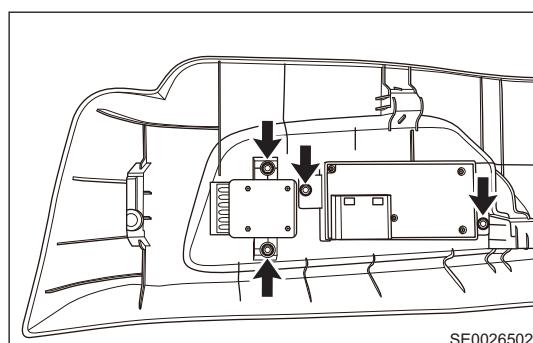
(c) Loosen fixing clip from driver seat outside shield and remove driver seat outside shield.

## 6. Remove the power seat switch.

(a) Disconnect the connector (arrow) from seat switch.



(b) Remove 4 fixing screws (arrow) from seat switch.



(c) Remove the seat switch.

## Installation

1. Installation is in the reverse order of removal.

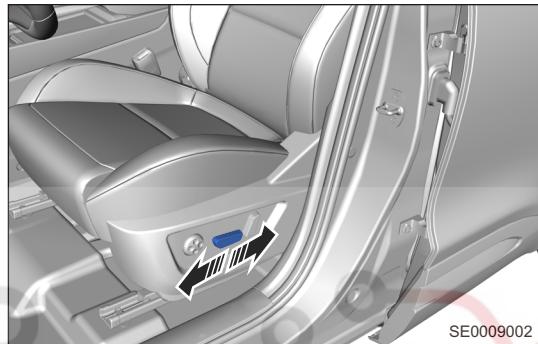
### Caution:

- Be sure to wear safety equipment to prevent accidents, when installing seat assembly.
- When installing seat assembly, be careful not to damage the body paint surface.
- When installing seat assembly, try to prevent carpet from being scratched or damaged.

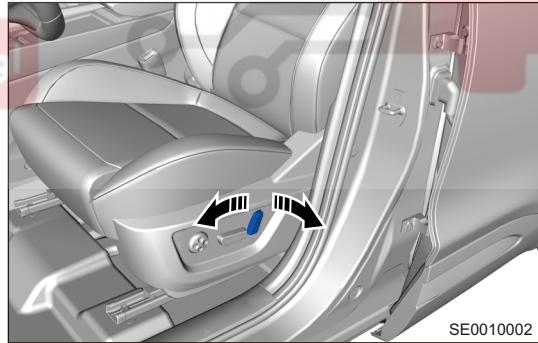
## Inspection

**After completing installing the seat assembly, check the basic functions of seat assembly, and confirm that the following functions operate normally:**

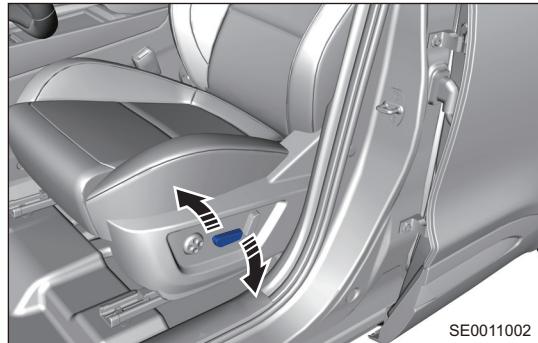
1. When sliding seat to the foremost and rearmost positions by pressing the power seat adjustment switch, check if the following malfunctions of seat occur: heavy operation, high sliding resistance, stuck, motor noise. If above conditions occur, repair or replace in time.



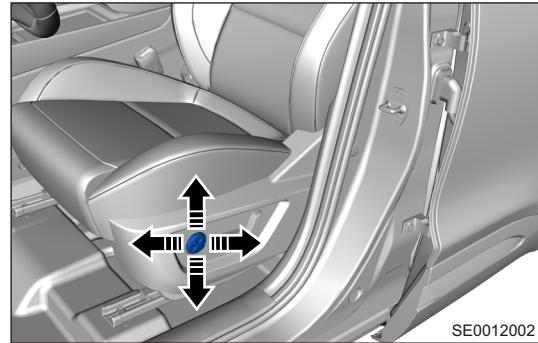
2. Adjust the seat reclining to the maximum and minimum angles by pressing the power seat reclining adjustment switch, to check if seatback is heavily turned over and stuck, motor noise, etc. If above conditions occur, repair or replace in time.



3. Adjust seat to maximum and minimum angle by pressing power seat height adjustment switch (for driver side), to check if the operation of seat is heavy and stuck, and motor noise, etc. If above conditions occur, repair or replace in time.



4. Adjust the upper, lower, left and right sides of four-way lumbar support adjustment switch (for driver side) to highest and lowest positions by pressing it, to check if operation of lumbar support airbag is hard to extend and retract, air leakage and air pump noise etc. If above conditions occur, repair or replace in time.



5. With the vehicle power ON, the seat belt warning indicator should be in "illuminating" state and after inserting front seat belt tab into front seat belt buckle, the seat belt warning indicator should go off (only for the seat equipped with seat belt unfasten reminder (SBR)).

6. For front passenger seat equipped with SBR, the warning indicator on combination meter should be in "illuminating" state when occupant sits on the seat with seat belt unfastened while it should go off after inserting seat belt tab into buckle.

7. Inspect the seat occupancy sensor (for front passenger side).

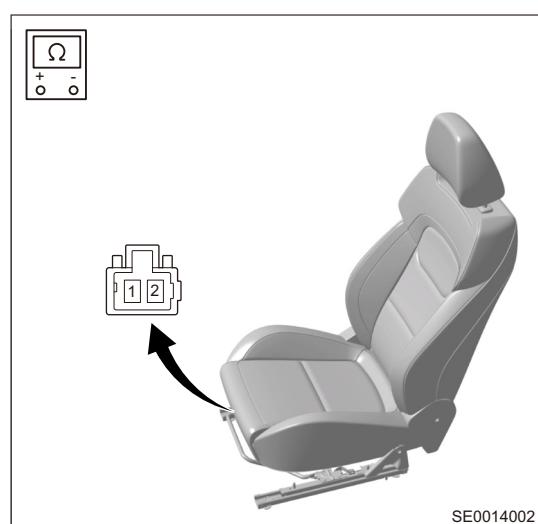
(a) Disconnect the seat occupancy sensor wire harness connector (arrow).



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(b) Measure the resistance of occupancy sensor with a digital multimeter, standard resistance is shown in the table below:

Multimeter Connection	Condition	Specified Condition
Terminal 1 and Terminal 2	Occupied	< 100 $\Omega$
Terminal 1 and Terminal 2	No occupied	> 400 $\Omega$



## Middle Seat Assembly

### Removal

#### Warning/Caution/Hint

- The procedure for middle left seat assembly is the same as the right seat assembly.
- Procedures listed below are for middle left seat assembly.

#### Caution:

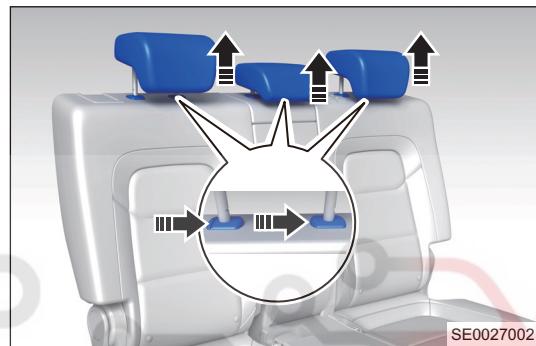
- Be sure to wear safety equipment to prevent accidents, when removing middle left seat assembly.
- When removing the middle left seat assembly, appropriate force should be applied. Be careful not to operate roughly.
- DO NOT scratch interior and body paint when removing middle left seat assembly.

1. Turn off all electrical equipment and the ENGINE START STOP switch.

2. Disconnect the negative battery cable.

3. Remove the middle seat headrest assembly.

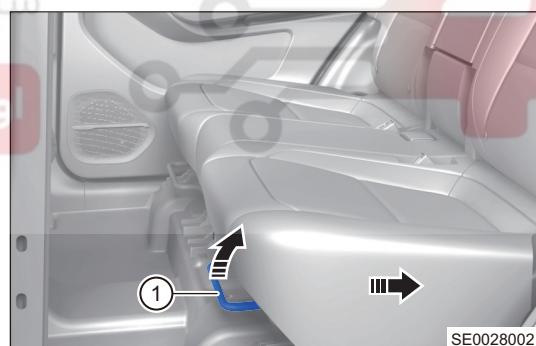
(a) As shown in the illustration, press the release button of seat headrest guide (w/ button), and remove rear seat headrest assembly.



SE0027002

4. Remove the middle left seat assembly.

(a) Pull the middle left seat adjusting handle (1) and move the seat assembly to the rear most position (arrow).

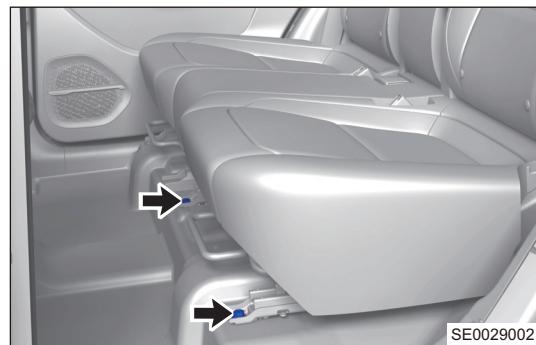


SE0028002

(b) Remove 2 fixing bolts (arrow) from front of middle left seat assembly.

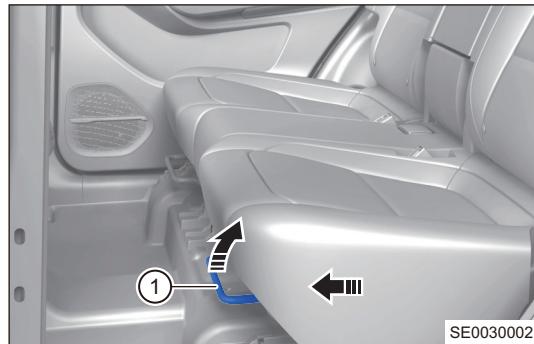
#### Tightening torque

$50 \pm 5.0 \text{ N}\cdot\text{m}$



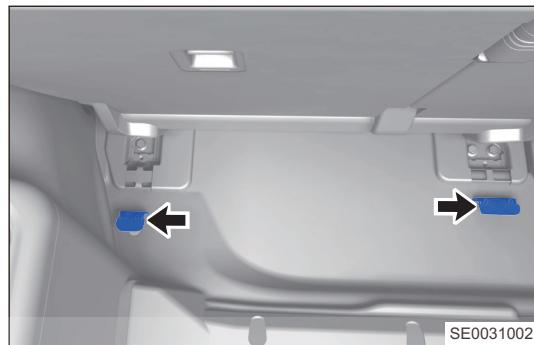
SE0029002

(c) Pull the middle left seat adjusting handle (1) and move the seat assembly to the foremost position (arrow).



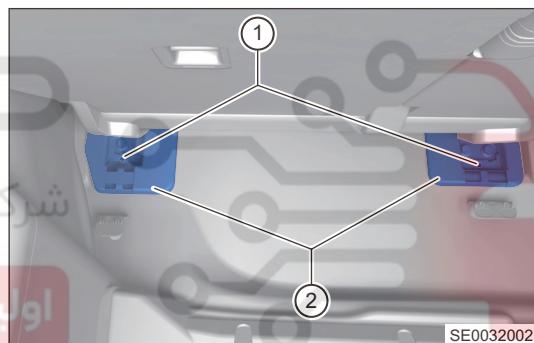
SE0030002

(d) Using a screwdriver wrapped with protective tape, carefully pry off the plastic cap from bolt on the rear side of seat assembly.



SE0031002

(e) Remove 2 fixing spline screws (1) and remove plastic caps (2).



SE0032002

(f) Remove 3 fixing bolts (arrow) from rear side of seat assembly.

**Warning:**

There are 2 fixing bolts on right seat

**Tightening torque**

$50 \pm 5.0 \text{ N}\cdot\text{m}$



SE0033002

(g) Remove the middle left seat assembly.

## Disassembly

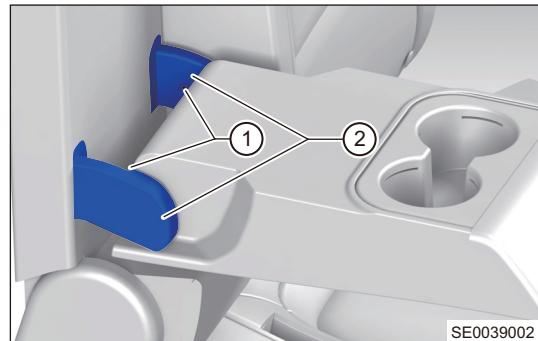
### Warning/Caution/Hint

#### Caution:

- Be sure to wear safety equipment to prevent accidents, when disassembling middle seat assembly.
- When disassembling the middle seat assembly, appropriate force should be applied. Be careful not to operate roughly.
- DO NOT scratch interior and body paint when removing middle seat assembly.

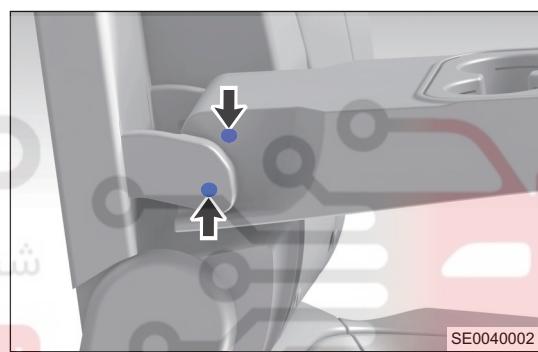
1. Remove the middle seat center armrest assembly.

- (a) Remove 2 fixing screws (1) from center armrest trim cover and remove the trim covers (2).



SE0039002

- (b) Remove 2 spline bolts (arrow) from center armrest.

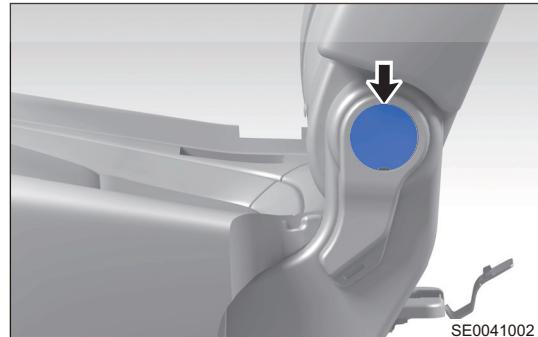


SE0040002

- (c) Remove the center armrest assembly.

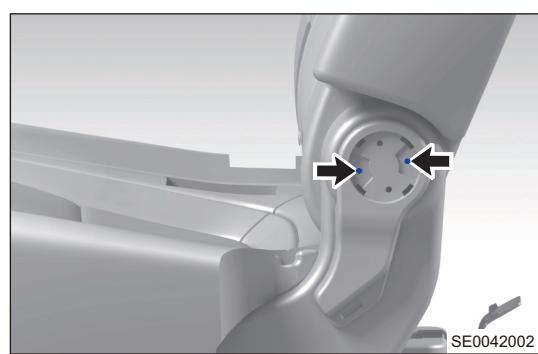
2. Remove the seatback adjusting handle.

- (a) Using a screwdriver wrapped with protective tape, pry off the handle cover plug (arrow).



SE0041002

- (b) Remove 2 fixing spline screws (arrow) from adjusting handle.

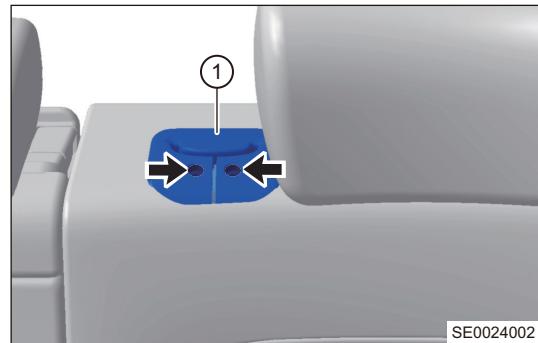


SE0042002

(c) Remove the seatback adjusting handle.

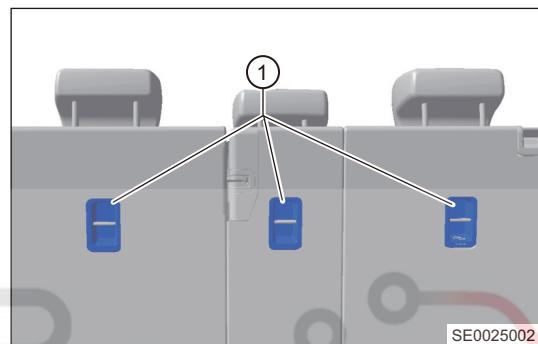
3. Remove the middle seat belt trim cover.

(a) Remove the fixing screws (arrow) from middle seat belt trim cover, and remove the seat belt trim cover (1).



4. Remove the child seat interface trim cover (take the left side as an example).

(a) Using an interior crow plate, pry off the child seat left fixture (1).



5. Remove the middle seat headrest guide (take the left side as an example).

(a) Open zippers (arrow) on back side of middle seatback.



(b) Remove the seatback plastic lining plate.

(c) Press and hold the lower part of seat headrest guide in the direction of arrow as shown in the illustration, and remove middle seat headrest guide.



## Assembly

1. Assembly is in the reverse order of disassembly.

### Caution:

- When assembling middle seat assembly, be sure to wear safety equipment to prevent accidents.
- When assembling middle seat assembly, be careful not to damage the seat cover.
- When assembling middle seat assembly, replace damaged clips and band.
- When assembling middle seat assembly, keep seat cover clean and tidy, and try to prevent wrinkles.

## Installation

1. Installation is in the reverse order of removal.

### Caution:

- Be sure to wear safety equipment to prevent accidents, when installing middle seat assembly.
- When installing middle seat assembly, be careful not to damage the body paint surface.
- When installing middle seat assembly, try to prevent carpet from being scratched or damaged.

## Inspection

**After completing installing the middle seat assembly, check the basic functions of middle seat assembly, and confirm that the following functions operate normally:**

1. The operation should be smooth without stuck, unnecessary resistance or abnormal noise when moving the seat forward and backward.
2. Middle seat requires flexible folding, and there should be no folding failure and it can be unlocked and locked successfully. No abnormal noise should be heard during turning over.
3. Middle left/right seat belt buckle should be placed into the buckle guide on seat cushion orderly.
4. Middle armrest box operation is flexible and it should be flush with seatback after folding, and appearance is in good condition.
5. Whether EASYENTRY function of middle left seat can make it easier for the third seat to be moved in and out.
6. Check if there is any stuck or abnormal noise, etc. when middle seat headrest is extended and retracted. If above conditions occur, repair or replace in time.

## Rear Seat Assembly

### Removal

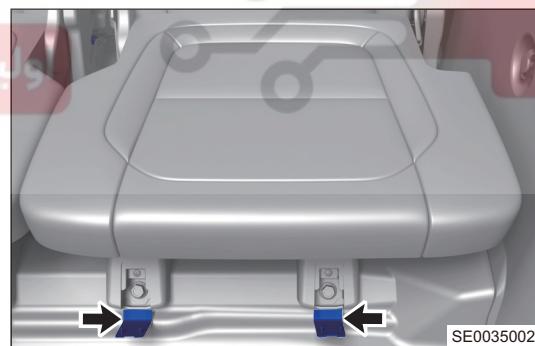
#### Warning/Caution/Hint

- Use same procedures for rear left seat and rear right seat.
- Procedures listed below are for rear left seat.

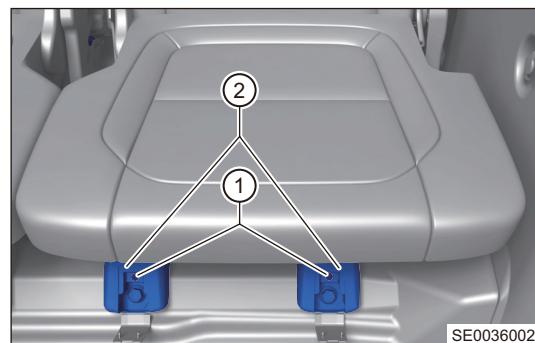
#### Caution:

- Be sure to wear safety equipment to prevent accidents, when removing rear seat assembly.
- When removing the rear seat assembly, appropriate force should be applied. Be careful not to operate roughly.
- DO NOT scratch interior and body paint when removing rear seat assembly.

1. Turn off all electrical equipment and the ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the luggage compartment carpet and take out the luggage cover.
4. Remove the luggage compartment storage box and on-board tool box.
5. Adjust seatback cushion to an operating state, and remove rear seat headrest assembly.
  - (a) As shown in the illustration, press the release button of seat headrest guide (w/ button), and remove rear seat headrest assembly.



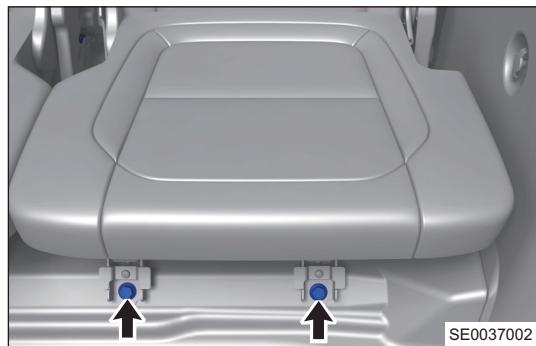
- (b) Using a screwdriver wrapped with protective tape, pry off plastic caps (arrow) of fixing bolts between front part of rear seat cushion and vehicle body.



(d) Remove fixing bolts between front part of rear seat cushion and vehicle body.

**Tightening torque**

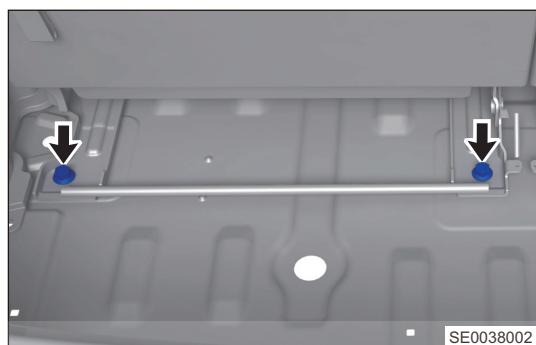
50 ± 5.0 N·m



(e) Remove fixing bolts (arrow) between rear part of rear seat cushion and body.

**Tightening torque**

50 ± 5.0 N·m



(f) Remove the rear left seat assembly.

### Installation

1. Installation is in the reverse order of removal.

**Caution:**

- Be sure to wear safety equipment to prevent accidents, when installing rear seat assembly.
- When installing rear seat assembly, be careful not to damage the body paint surface.
- When installing rear seat assembly, try to prevent carpet from being scratched or damaged.

### اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

### Inspection

After installing the rear seat assembly, check the basic functions of rear seat assembly, and confirm that the following functions operate normally:

1. No wrinkle or wear on the clothing surface of seat due to installation.
2. Rear seat requires flexible folding without any folding failure or impossible unlocking and locking. There should be no abnormal noise during turning over.
3. Clearance between rear left/right seat should be even.
4. Rear left/right seat belt buckle should be placed into the buckle guide on seat cushion orderly.
5. Rear left and right seats can be folded flat with left and right side at same level.

# دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

