

GROUP 52A

INTERIOR

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WARNINGS REGARDING SERVICING OF SUPPLEMENTAL RESTRAINT SYSTEM (SRS) EQUIPPED VEHICLES

WARNING

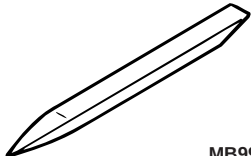
- *Improper service or maintenance of any component of the SRS, or any SRS-related component, can lead to personal injury or death to service personnel (from inadvertent firing of the air bag) or to the driver and passenger (from rendering the SRS inoperative).*
- *Service or maintenance of any SRS component or SRS-related component must be performed only at an authorized MITSUBISHI dealer.*
- *MITSUBISHI dealer personnel must thoroughly review this manual, and especially its GROUP 52B - Supplemental Restraint System (SRS) before beginning any service or maintenance of any component of the SRS or any SRS-related component.*

NOTE

The SRS includes the following components: SRS air bag control unit, SRS warning light, front impact sensors, air bag module, side-airbag module, curtain air bag module, side impact sensors, seat belt pre-tensioners, clock spring, and interconnecting wiring. Other SRS-related components (that may have to be removed/installed in connection with SRS service or maintenance) are indicated in the table of contents by an asterisk (*).

SPECIAL TOOL

M1521000600833

Tool	Tool number and name	Supersession	Application
 MB990784	MB990784 Ornament remover	General service tool	Removal of switches and trims

INSTRUMENT PANEL ASSEMBLY

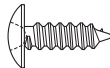
REMOVAL AND INSTALLATION

M1521001703229

⚠ WARNING

For removal and installation of the passenger's side air bag module, always observe the service procedures described in GROUP 52B, Driver's Air Bag Module [P.52B-232](#) to Passenger's (Front) Air Bag Module [P.52B-240](#).

The following bolts and screws are used for installing the instrument panel. Bolts and screws are indicated as marks shown in the illustration in the sections of "Removal and Installation" and "Disassembly and Assembly."

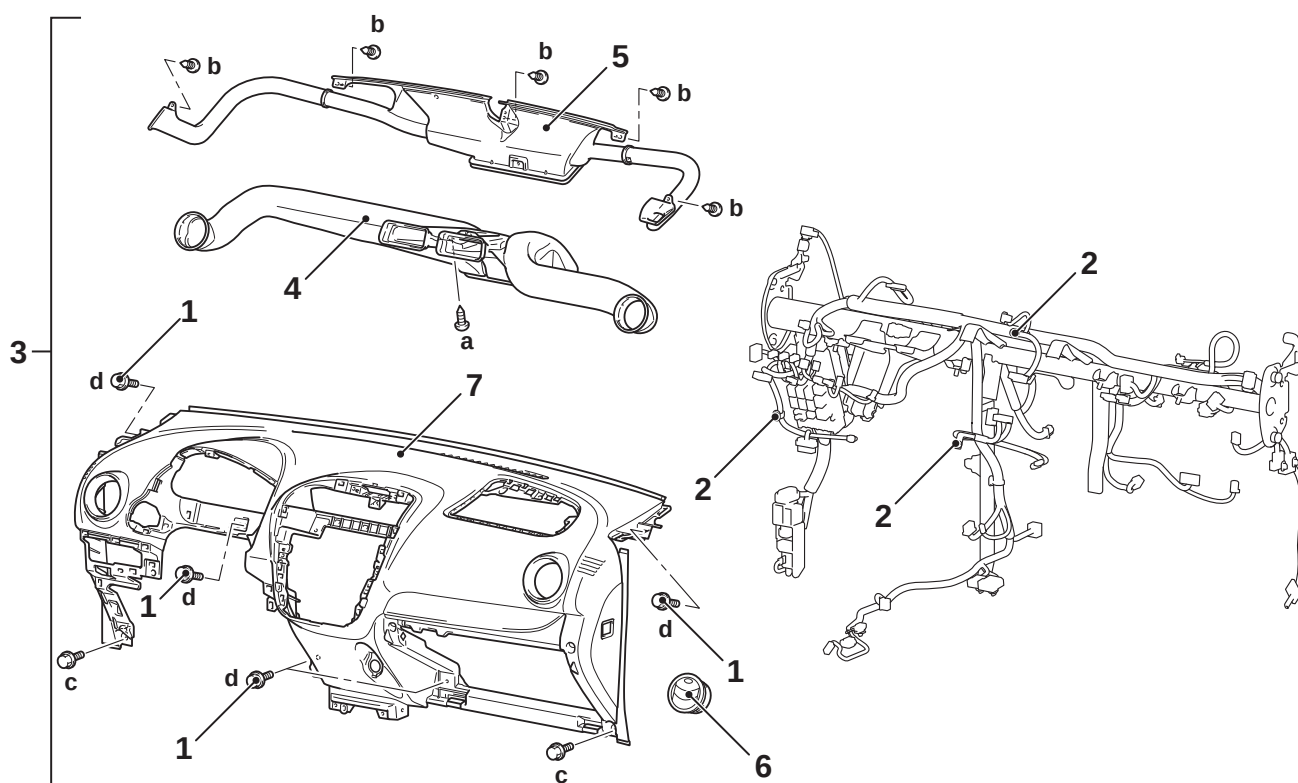
Name	Symbol	Dimensions mm (screw diameter × screw length)	Color	Shape
Tapping screw	a	5 X 12	—	 AC104450
	b	5 X 12	—	 AC104436
Bolt with washer	c	6 X 12	—	 AC104417
	d	6 X 12	—	 ACB05811

⚠ CAUTION

- Refer to GROUP 52B-SRS Service Precautions [P.52B-5](#) and passenger's (front) air bag module [P.52B-240](#) before removing the passenger's (front) air bag module.
- Do not subject the SRS-ECU to any shocks when removing or installing the instrument panel.

Pre-removal and Post-installation Operation

- Removal and Installation of Front Pillar Trim (Refer to [P.52A-9](#)).
- Removal and Installation of Instrument Under Cover (Refer to [P.52A-9](#)).
- Removal and Installation of Glove Box (Refer to [P.52A-9](#)).
- Removal and Installation of Instrument Panel Lower Assembly, Instrument Panel Lower Cover (Refer to [P.52A-6](#)).
- Removal and Installation of Heater Controller Assembly (Refer to [P.52A-5](#)).
- Removal and Installation of Floor Console (Refer to [P.52A-7](#)).
- Removal and Installation of Radio and CD Player Bracket (Refer to GROUP 54A, Radio and CD Player [P.54A-163](#)).
- Removal and Installation of Combination Meter (Refer to GROUP 54A, Combination Meter [P.54A-61](#)).



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Removal steps

1. Thread forming bolt
2. Instrument panel harness clamp
3. Instrument panel assembly
4. Ventilator air distribution duct

Removal steps (Continued)

5. Defroster nozzle
6. Instrument panel side air outlet
7. Instrument panel

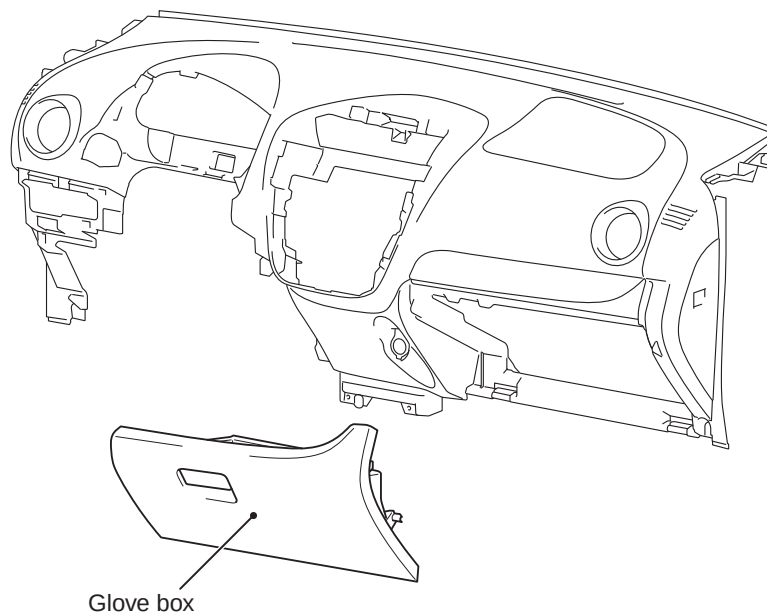
<<A>>

REMOVAL SERVICE POINT**<<A>> INSTRUMENT PANEL ASSEMBLY
REMOVAL**

Remove the steering column shaft assembly mounting bolts to remove the instrument panel (Refer to GROUP 37 – Steering Shaft [P.37-64](#)).

GLOVE BOX**REMOVAL AND INSTALLATION**

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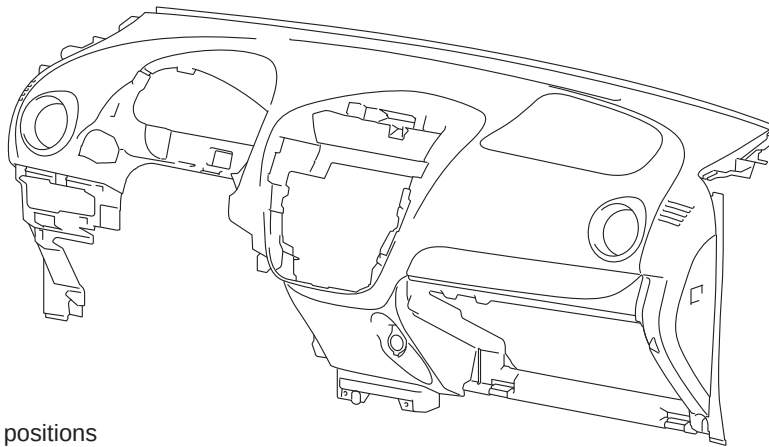
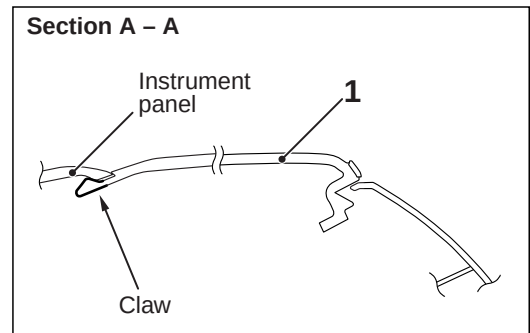
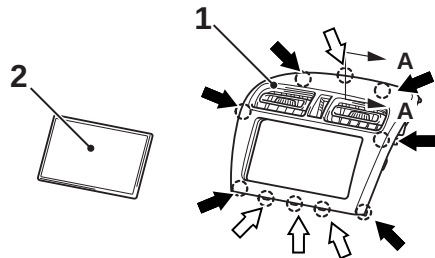


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INSTRUMENT CENTER PANEL

REMOVAL AND INSTALLATION

M1521011300610



Note

- ➡ : Clip positions
- ↪ : Claw positions

Removal steps

- Glove box (Refer to P.52A-4)

<<A>>

Removal steps (Continued)

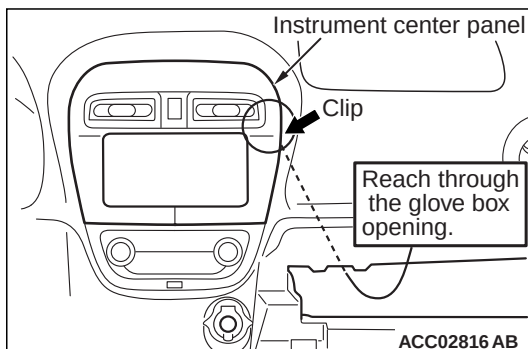
1. Instrument center panel
2. Radio plug

ACC06855 AB

REMOVAL SERVICE POINT

<<A>> INSTRUMENT CENTER PANEL REMOVAL

1. Remove the glove box.
2. Insert your hand through the instrument panel opening, and push up the clip shown in the illustration from the back of instrument center panel.
3. Remove the instrument center panel starting from the clearance made by pushing the clip up.

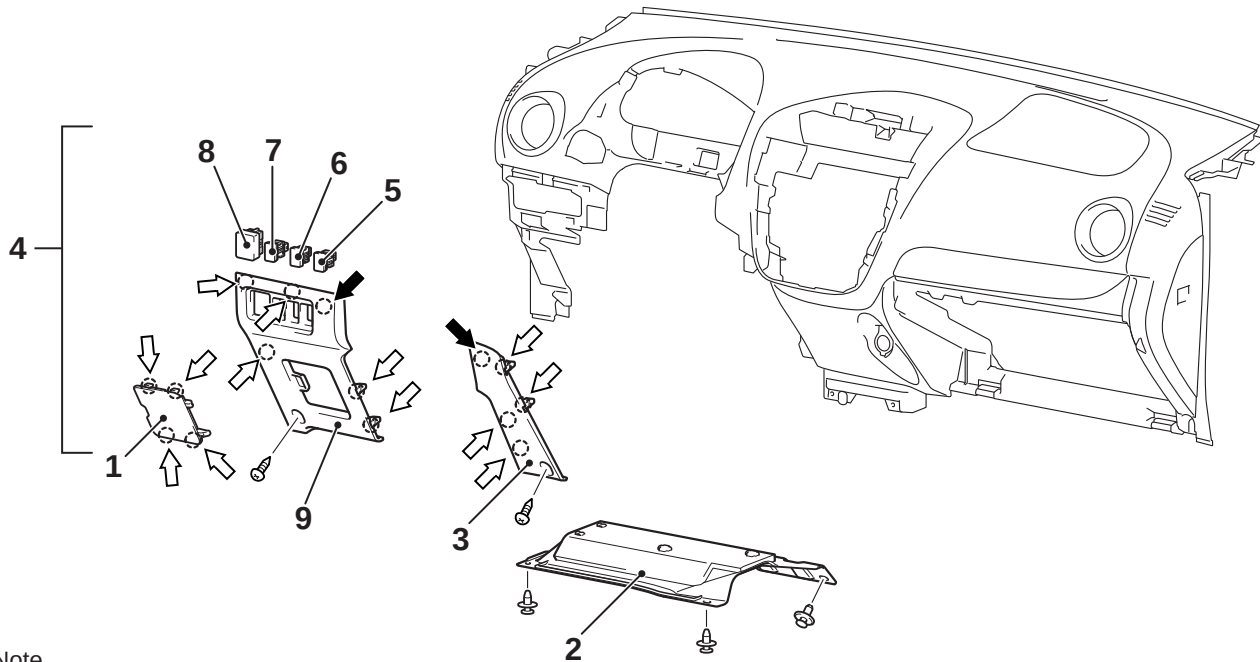


ACC02816 AB

INSTRUMENT LOWER PANEL

REMOVAL AND INSTALLATION

M1521011700425



Note

- ◀ : Clip positions
 ◁ : Claw positions

ACC06856AB

Removal steps

1. Instrument panel fuse box lid
2. Instrument panel cover lower
3. Instrument panel driver side outer under cover assembly (inner)
4. Instrument panel driver side outer under cover assembly (outer)
5. Switch plug

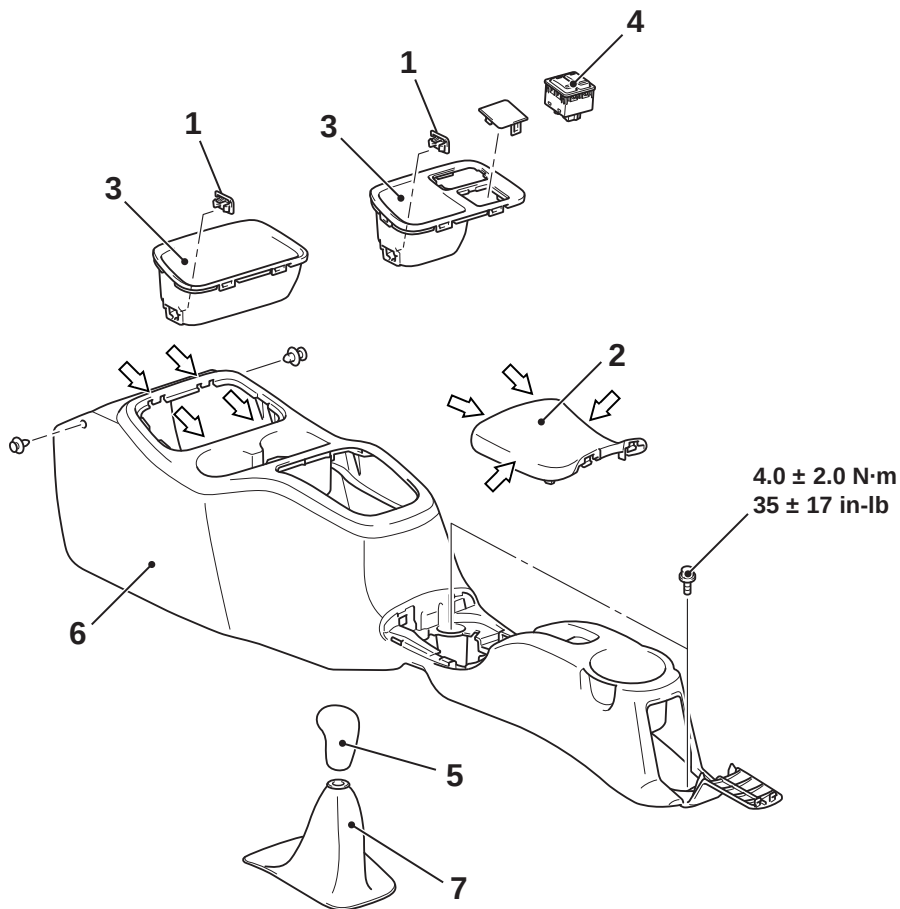
Removal steps (Continued)

6. Switch plug
7. ASC OFF switch
8. Remote controlled mirror switch
(Refer to GROUP 51 – Door Mirror
[P.51-68](#))
9. Instrument panel driver side outer under cover

FLOOR CONSOLE ASSEMBLY

REMOVAL AND INSTALLATION

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Note

⇐ : Claw positions

ACE00999AB

Removal steps

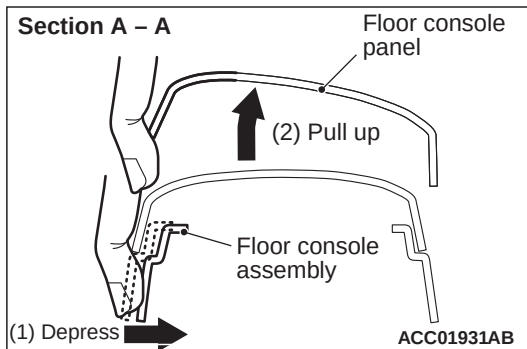
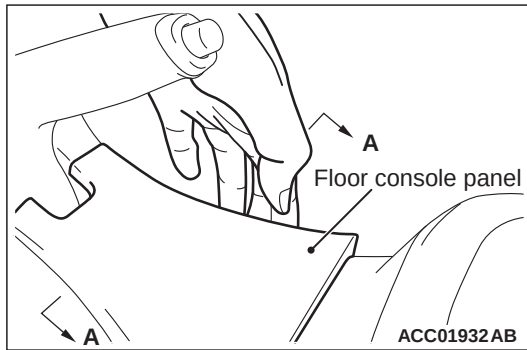
- <<A>> >>A<<
1. Floor console plug
 2. Floor console panel
 3. Floor console tray
 4. Heated seat switch <Vehicles with heated seat>

Removal steps (Continued)

5. Gearshift lever knob <M/T>
6. Floor console assembly
7. M/T shift boot assembly <M/T>

REMOVAL SERVICE POINT

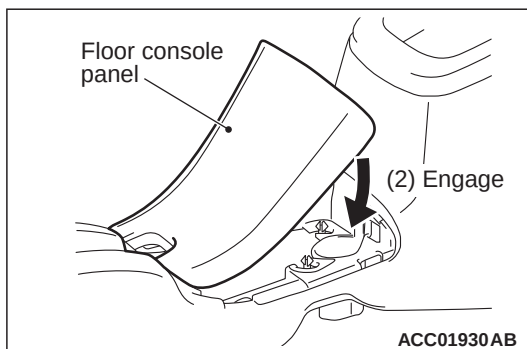
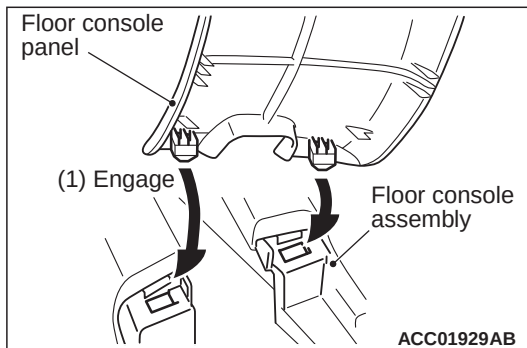
<<A>> FLOOR CONSOLE PANEL REMOVAL



1. Slide the floor console assembly to the left as shown.
2. Grasp the bottom edge of the floor console panel to pull it up.

INSTALLATION SERVICE POINT

>>A<< FLOOR CONSOLE PANEL INSTALLATION



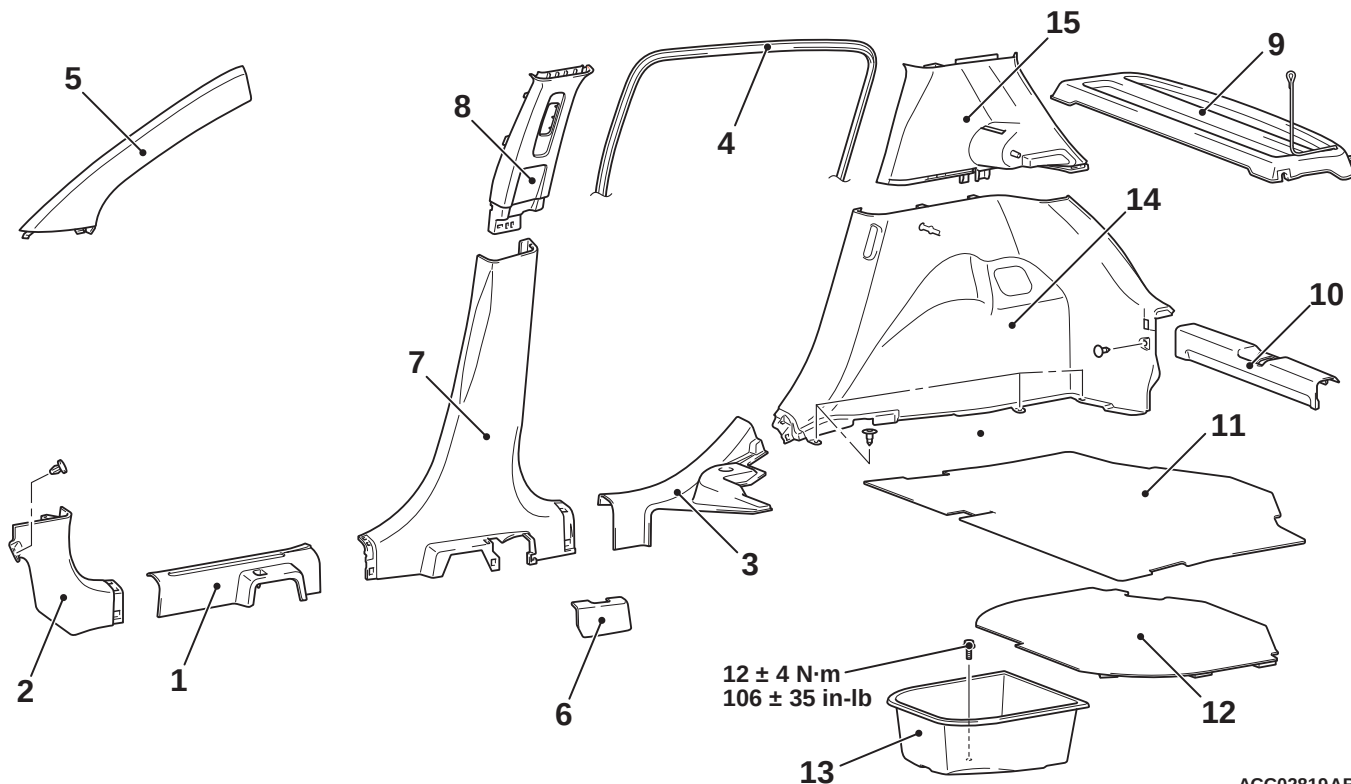
1. Hook the tab of the floor console panel onto the floor console assembly as shown.
2. Install the floor console panel.

TRIMS

INTERIOR TRIM

REMOVAL AND INSTALLATION

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Removal steps

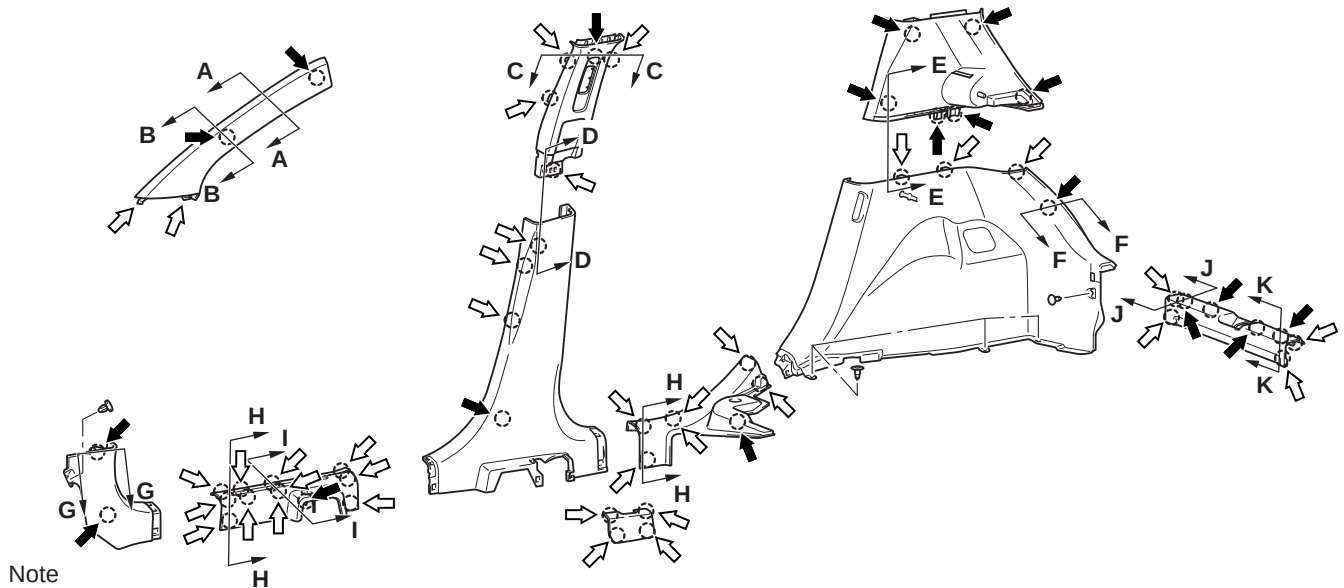
1. Front scuff plate
2. Cowl side trim
- Rear seat cushion (Refer to [P.52A-23](#))
3. Rear scuff plate
4. Rear door opening trim
5. Front pillar trim
6. Lower center pillar trim cover
7. Lower center pillar trim
8. Upper center pillar trim
9. Rear shelf trim

Removal steps (Continued)

10. Rear end trim
11. Cargo floor carpet
12. Cargo floor board
13. Cargo floor under box
- Rear seatback (Refer to [P.52A-23](#))
14. Quarter trim lower
15. Quarter trim upper

NOTE: On vehicles with curtain air bags, install a special center pillar trim.

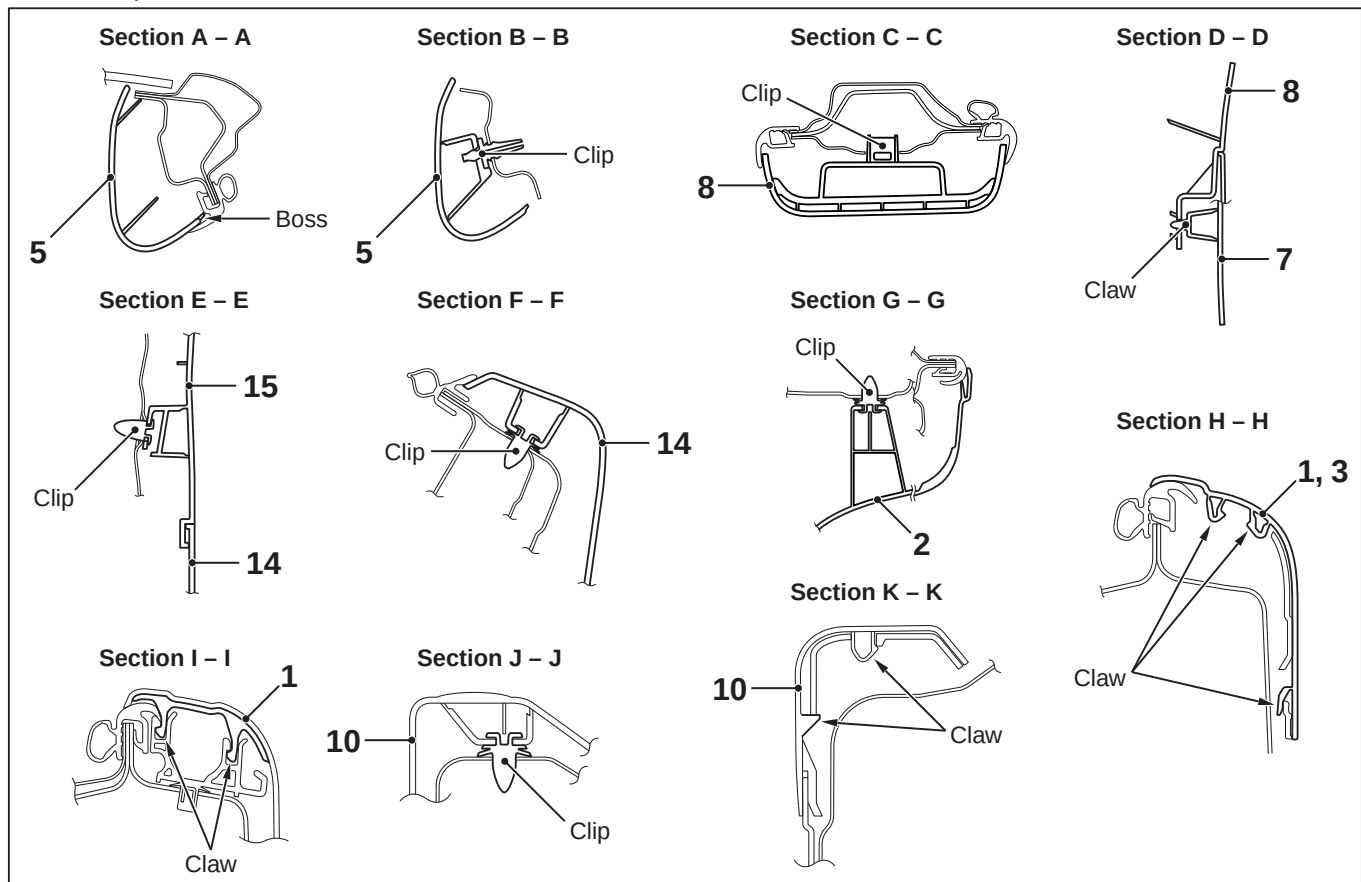
CLIP AND CLAW POSITIONS



Note

◐ : Clip positions
 ◑ : Claw positions

ACC02820AB



NOTE: Each number in the illustration indicates a part number.

DOOR TRIM

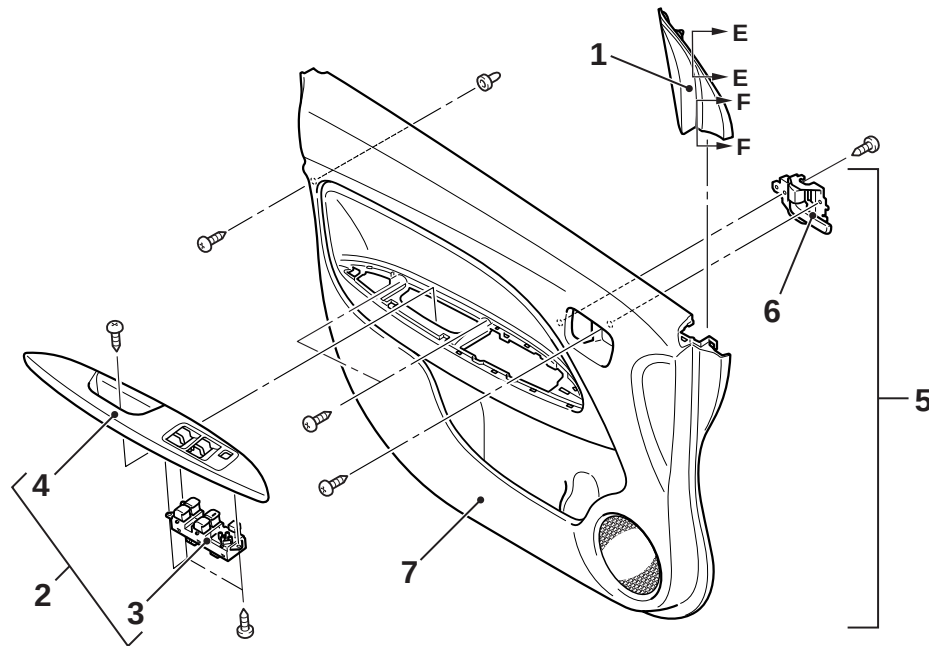
REMOVAL AND INSTALLATION

M1521006401551

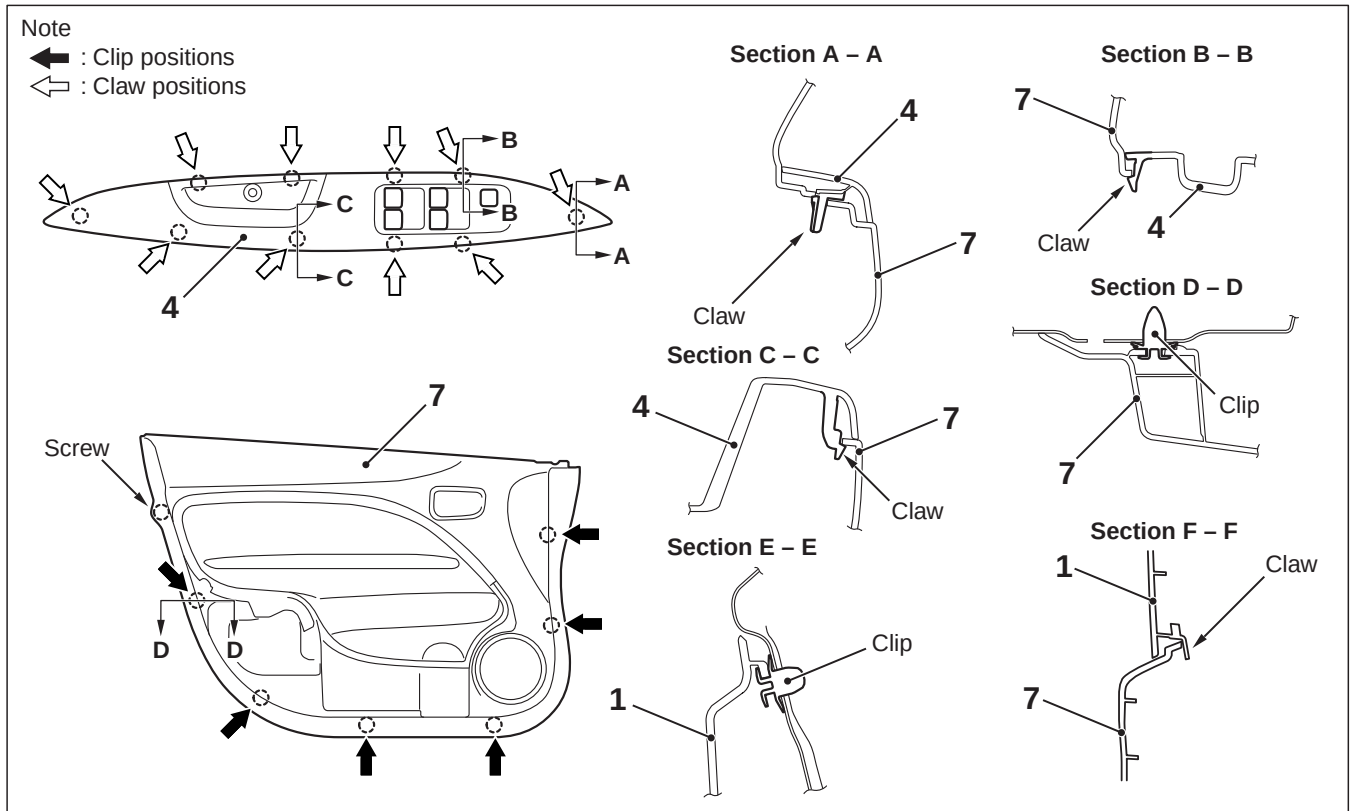
Post-installation Operation

- Door Inside Handle Knob Play Check (Refer to GROUP 42A, Door Inside Handle Check [P.42A-63](#)).
- Learning Procedures of Power Window Fully Closed Position (Refer to GROUP 42A, ON-Vehicle service [P.42A-57](#))
<Driver's door>

<Front door trim>



ACC03282AB

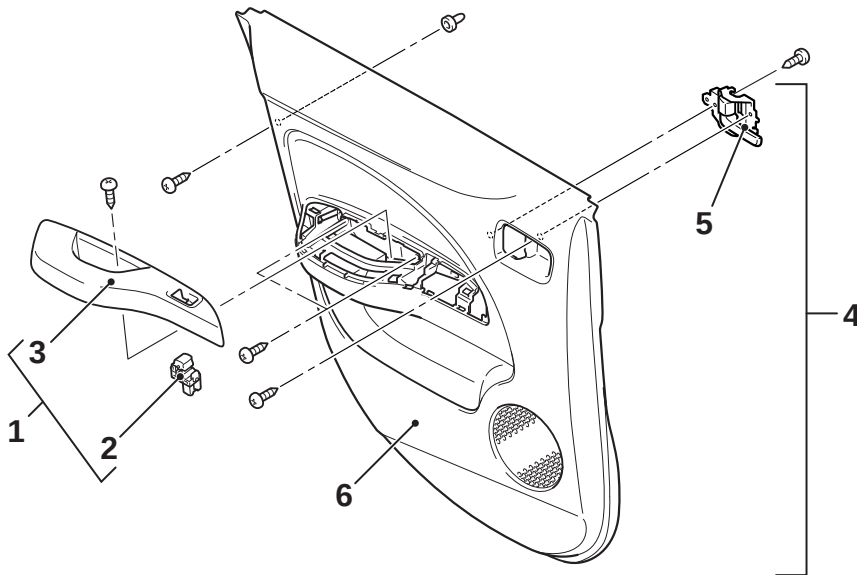
**Removal steps**

1. Front door delta inner cover
2. Front door power window switch panel assembly
3. Front door power window switch

Removal steps (Continued)

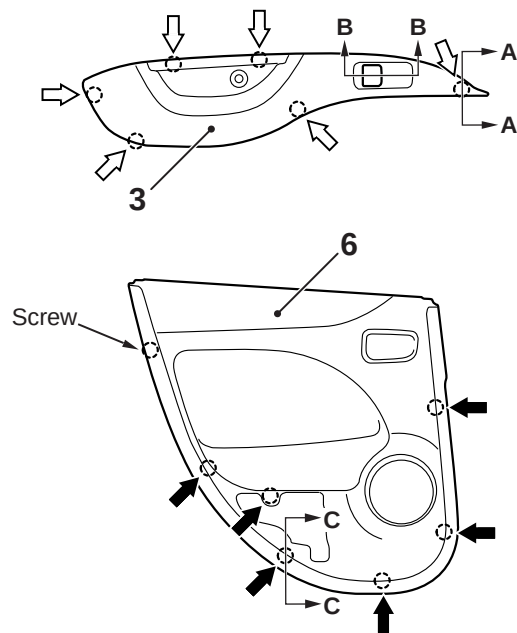
4. Front power window switch panel
5. Front door trim assembly
6. Door inside handle
7. Front door trim

<Rear door trim>

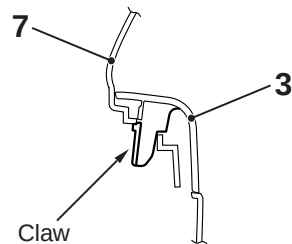


Note

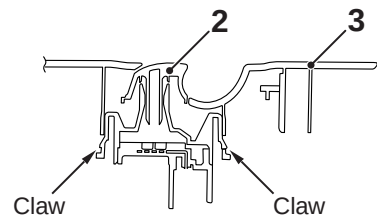
- : Clip positions
 : Claw positions



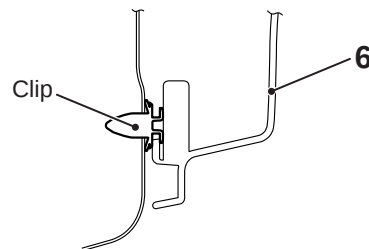
Section A - A



Section B - B



Section C - C



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Removal steps

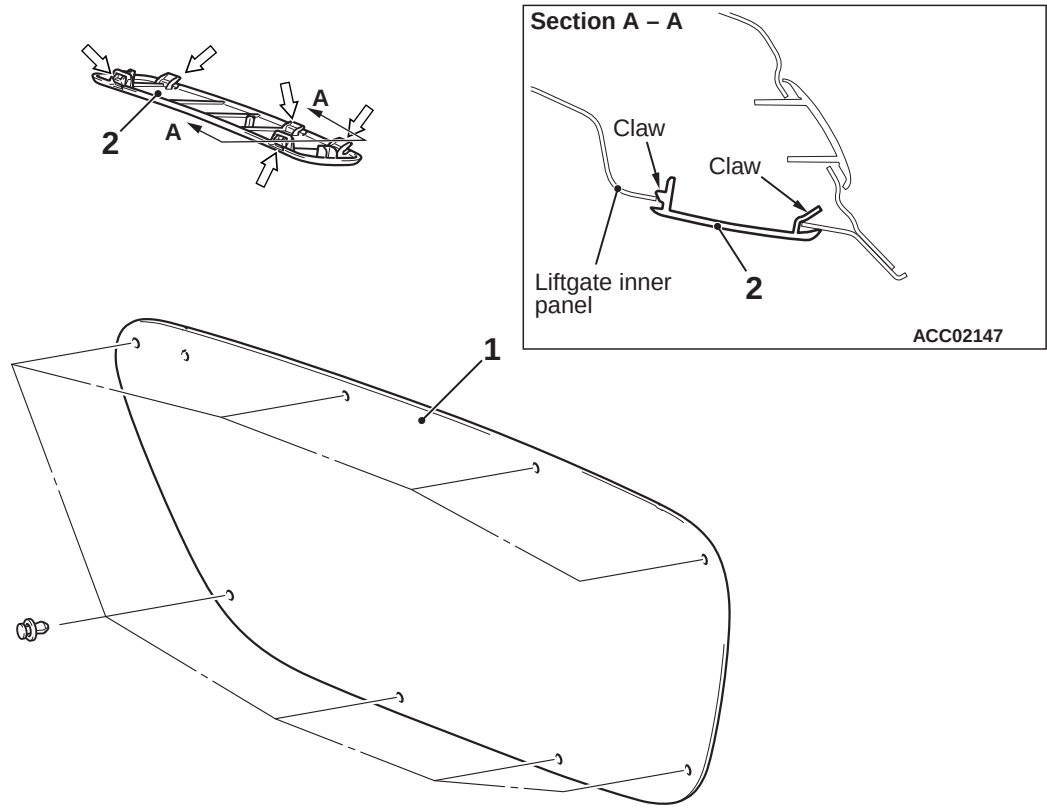
1. Rear door power window switch panel assembly
2. Rear door power window switch
3. Rear power window switch panel

Removal steps (Continued)

4. Rear door trim assembly
5. Door inside handle
6. Rear door trim

LIFTGATE TRIM REMOVAL AND INSTALLATION

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Note

⇐ : Claw positions

ACC02896AC

Removal steps

1. Liftgate trim
2. Liftgate trim upper cap

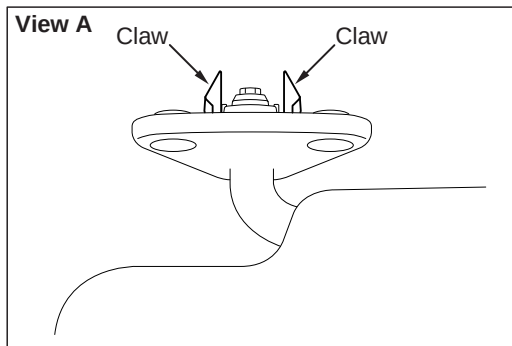
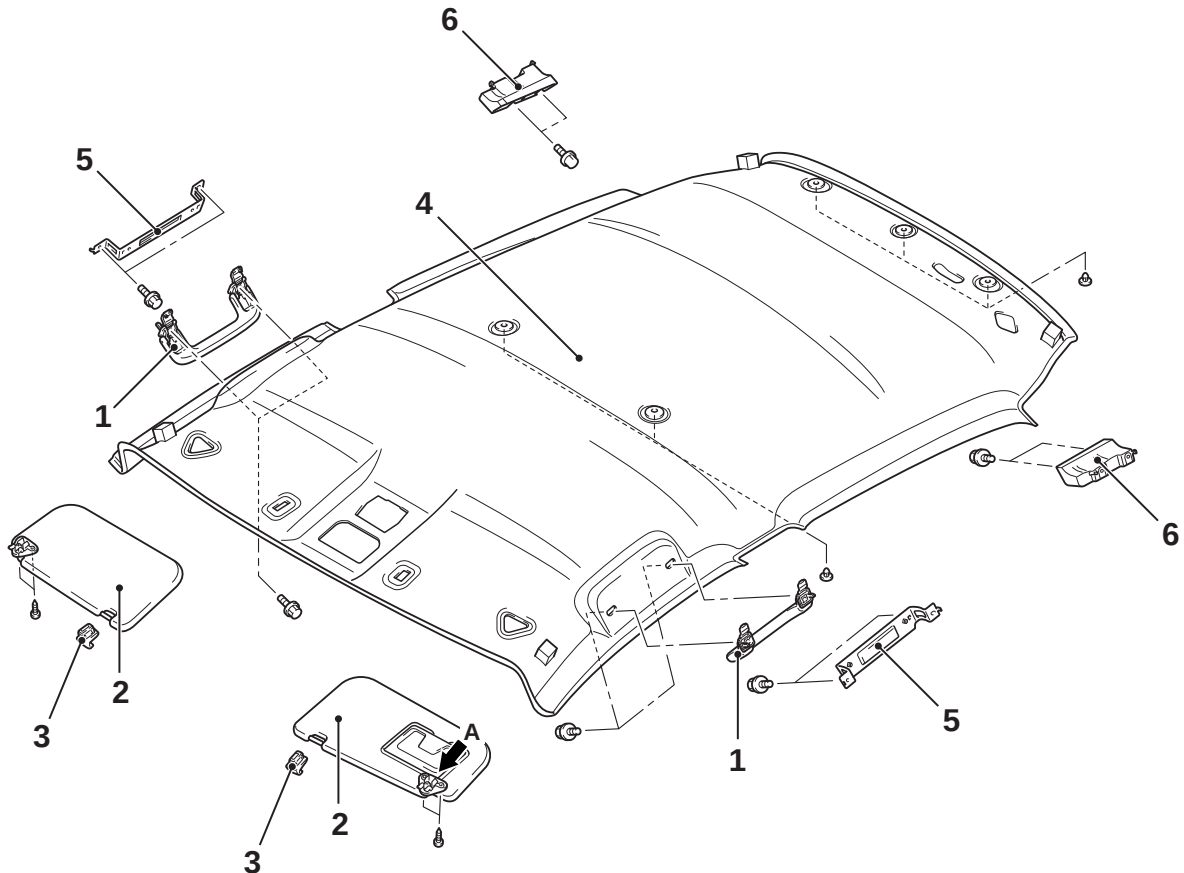
HEADLINING

REMOVAL AND INSTALLATION

M1521001402106

Pre-removal and Post-installation Operation

- Removal and Installation of Front Pillar Trim, Upper center Pillar Trim, Rear Pillar Trim (Refer to [P.52A-9](#)).
- Removal and Installation of Rear Seatbelt Outer Assembly (RH or LH) (Refer to [P.52A-29](#)).
- Removal and Installation of Dome Light Assembly (Refer to GROUP 54A, Dome Light [P.54A-131](#)).
- Removal and Installation of Passenger's Air Bag Cut OFF Indicator Light Assembly (Refer to GROUP 52B, Passenger's Air Bag ON/OFF Indicator Light [P.52B-266](#)).



Removal steps

1. Assist grip
2. Sun visor assembly

<<A>>
<>

Removal steps (Continued)

3. Sun visor holder
4. Headlining

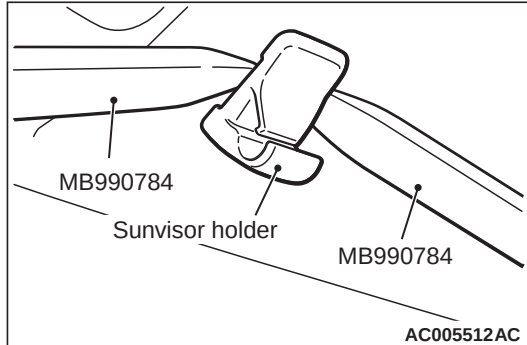
ACC02821AB

Removal steps (Continued)

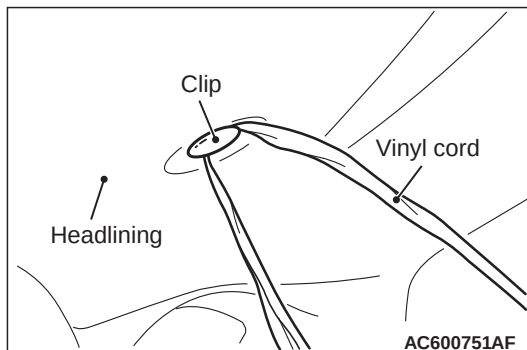
5. Assist grip bracket
6. Headlining pad

REMOVAL SERVICE POINTS**<<A>> SUN VISOR HOLDER REMOVAL**

Insert the special tools ornament remover (MB990784) into the sun visor holder from its left and right sides to disengage the claws on the sun visor holder sides.

**<> HEADLINING REMOVAL**

To remove the clip, insert a vinyl cord into a clearance between the clip and the headlining, and pass it around the clip. Then, pull out the clip downwards while pulling the vinyl cord.

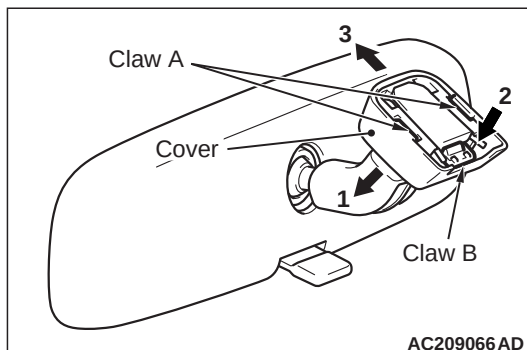
**INSIDE REAR VIEW MIRROR**

M1521002600840

REMOVAL SERVICE POINT

1. Disengage the claw A and lower the cover towards arrow 1 direction.
2. Push the claw B towards arrow 2 direction to unlock, and pull out the interior mirror towards arrow 3 direction.

NOTE: For how to install the room mirror button to the windshield, refer to GROUP 42A - Windshield [P.42A-15](#).



SEAT ASSEMBLY

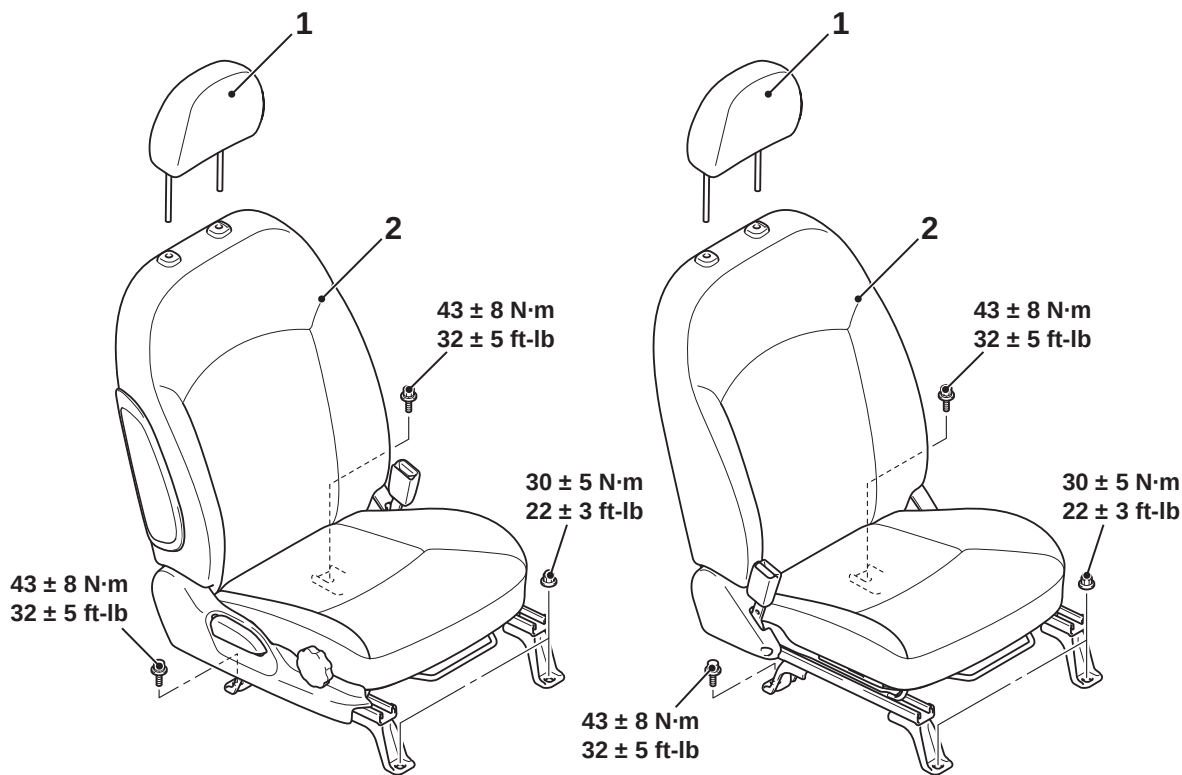
FRONT SEAT ASSEMBLY

REMOVAL AND INSTALLATION

M1522001302254

CAUTION

Before removing the front seat assembly, refer to GROUP 52B, Service Precautions [P.52B-5](#) and Air Bag Module and Clock Spring [P.52B-232](#).



ACC04374AB

Removal steps

1. Headrest

<<A>>

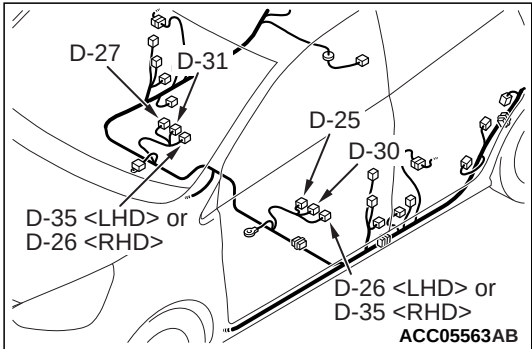
Removal steps (Continued)

- Wiring harness connectors
- >>A<< 2. Front seat assembly

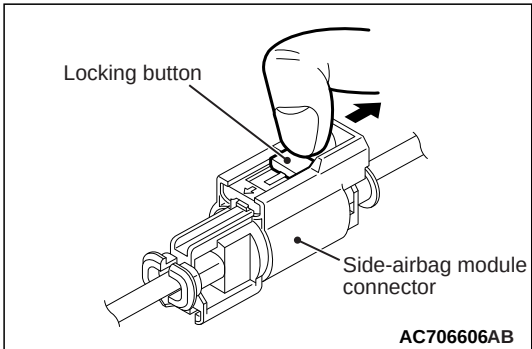
REMOVAL SERVICE POINT

<<A>> WIRING HARNESS CONNECTORS DIS-
CONNECTION

Disconnect the following wiring harness connectors:



Connector number	Connector name
D-25 (2 – yellow)	Side air bag module (squib) connector (LH)
D-27 (2 – yellow)	Side air bag module (squib) connector (RH)
D-26 (2)	Front seat belt switch connector (Driver's side)
D-35 (2)	Front seat belt switch connector (Passenger's side)
D-30 (4)	Heated seat connector (LH) <Vehicle with heated seat>
D-31 (4)	Heated seat connector (RH) <Vehicle with heated seat>



NOTE: When disconnecting the side air bag module connectors of D-25 and D-27, unlock the connector by sliding the locking button to the direction of the arrow as shown in the figure, and then disconnect the connector.

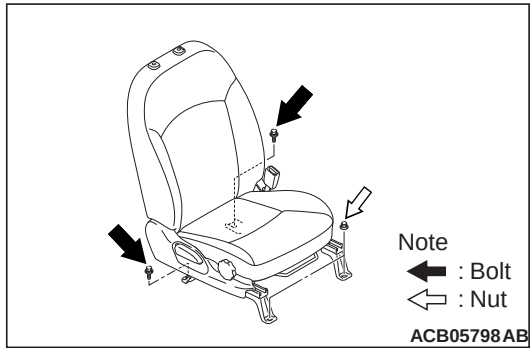
INSTALLATION SERVICE POINT

>>A<< FRONT SEAT ASSEMBLY INSTALLATION

1. Confirm that both the seat slides are locked, and then temporarily tighten all the bolts and nuts shown in the figure so that no load is applied to the front seat cushion.
2. Tighten all the bolts and nuts to the specified torque.

Tightening torque: 43 ± 8 N·m (32 ± 5 ft·lb·) (Bolt)

Tightening torque: 30 ± 5 N·m (22 ± 3 ft·lb·) (Nuts)

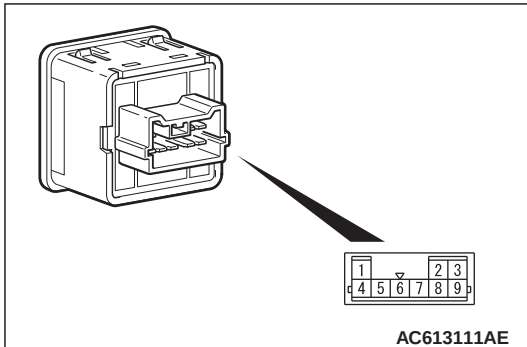


INSPECTION

M1522005500555

CONTINUITY TEST OF HEATED SEAT SWITCH <VEHICLES WITH HEATED SEAT>

Check for continuity between terminals.

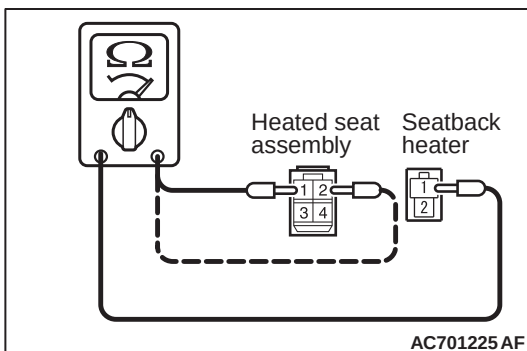


Item	Switch position	Tester connection	Specified condition
Driver's seat side	HI	1 – 5, 3 – 8	Continuity exists (2 ohms or less)
	OFF	1 – 5, 3 – 5, 5 – 8	Open circuit
	LO	3 – 5	Continuity exists (2 ohms or less)
Passenger's seat side	HI	4 – 5, 8 – 9	Continuity exists (2 ohms or less)
	OFF	4 – 5, 5 – 8, 5 – 9	Open circuit
	LO	5 – 9	Continuity exists (2 ohms or less)

SEAT CUSHION HEATER CHECK <VEHICLES WITH HEATED SEAT>

Measure the resistance between terminals.

Check condition: At room temperature 20 °C (68°F)



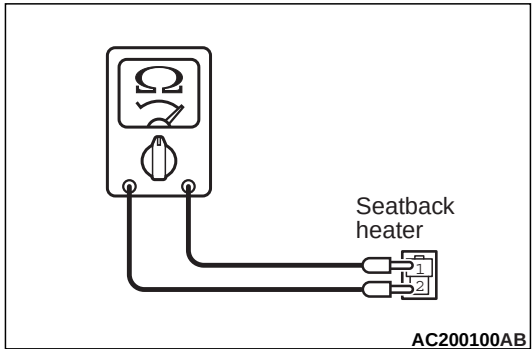
Tester connection	Specified condition
Heated seat assembly terminal 1 – Seatback heater terminal 1	11.54 - 14.10 ohms
Heated seat assembly terminal 2 – Seatback heater terminal 1	2.70 - 3.63 ohms

SEATBACK HEATER CHECK <VEHICLES WITH HEATED SEAT>

Measure the resistance between terminals.

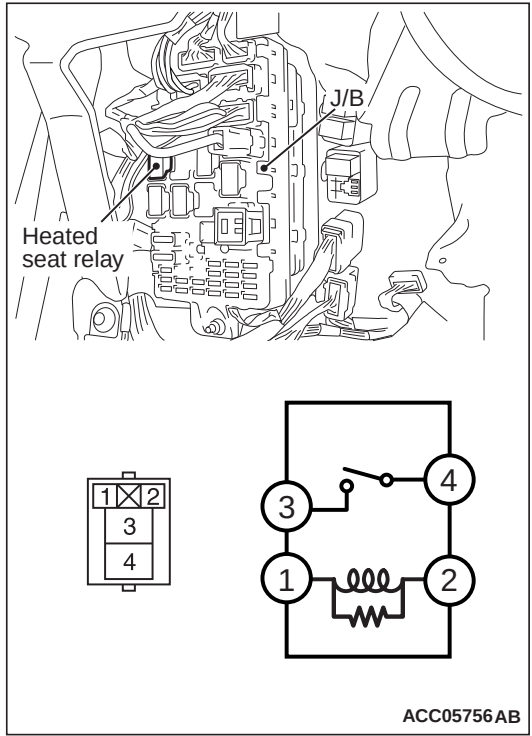
Check condition: At room temperature 20 °C

Tester connection	Specified condition
1 – 2	5.40 - 6.60 ohms



HEATED SEAT RELAY CONTINUITY CHECK <VEHICLES WITH HEATED SEAT>

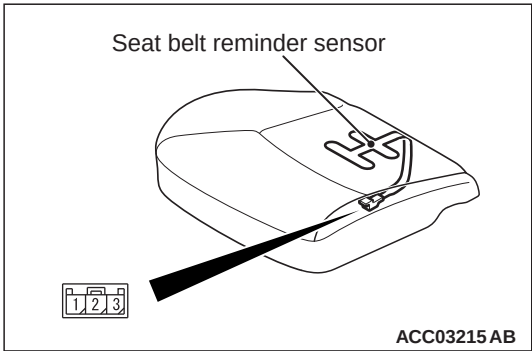
Battery voltage	Tester connection	Specified condition
Not applied	3 – 4	Open circuit
Energized [between terminal 2 (+) and terminal 1 (-)]		Continuity exists (2 ohms or less)



SEAT BELT REMINDER SENSOR CHECK <PASSENGER'S SIDE>

Measure the resistance between terminals.

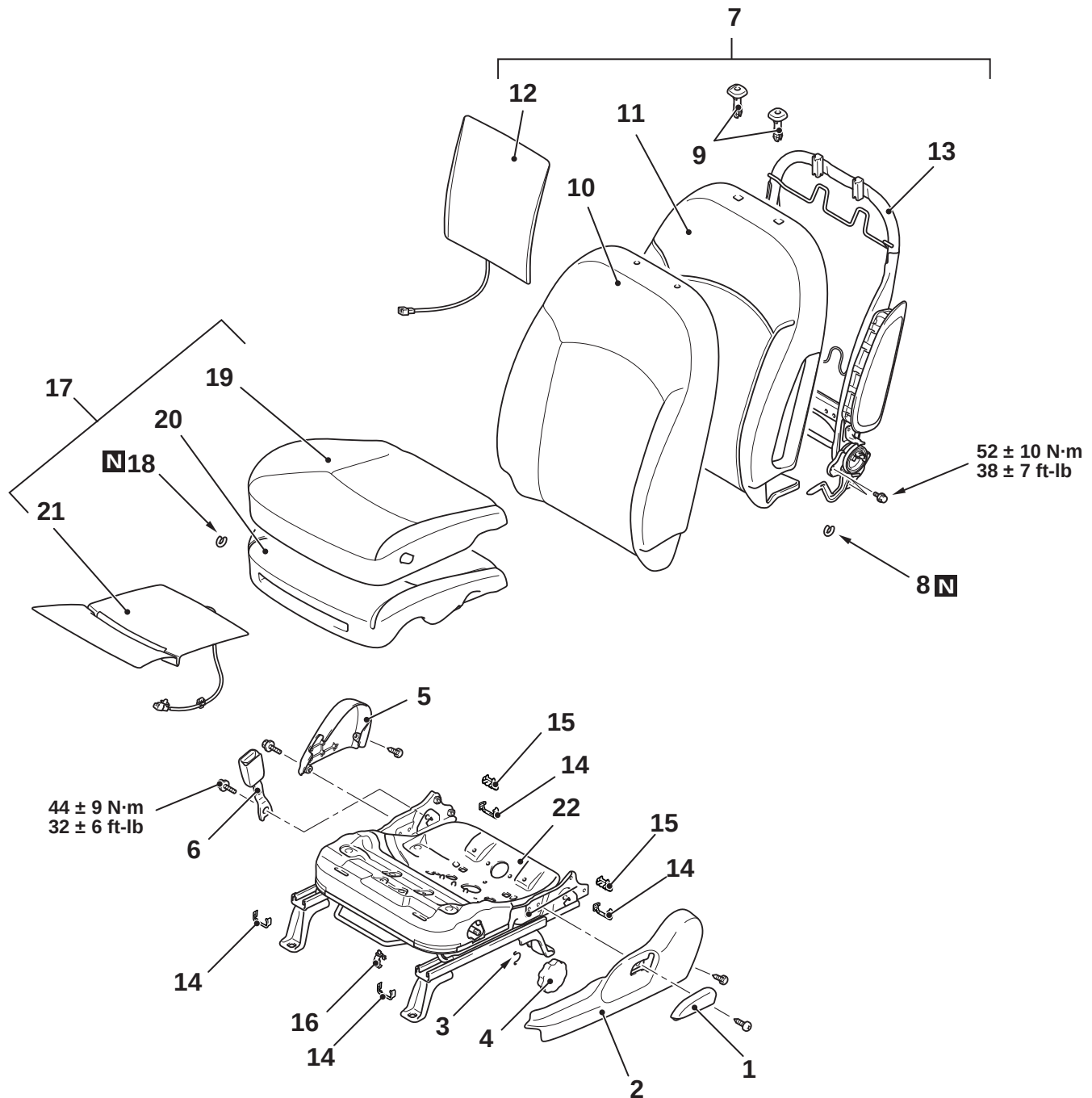
Check condition: At room temperature 25 ± 10 °C (77 ± 50°F)



Item	Tester connection	Specified condition
When a weight of 5 kg is placed on the center at one of the 12 cells of seat occupancy sensor	1 – 3	Less than 100 ohms
When no weight is placed on the seat occupancy sensor	1 – 3	Open circuit

DISASSEMBLY AND REASSEMBLY

M1522001502270



ACD03252 AB

Disassembly steps

1. Reclining adjuster lever
2. Side shield cover
3. Pin
4. Height adjuster lever
5. Hinge cover
6. Inner seat belt
7. Front seatback assembly
8. Hog ring
9. Headrest guide
10. Front seatback cover
11. Front seatback pad

Disassembly steps (Continued)

12. Front seatback heater <Vehicles with heated seat>
13. Front seatback frame
14. Rail end cap lower
15. Rail end cap upper
16. Front seat clip
17. Front seat cushion assembly
18. Hog ring
19. Front seat cushion cover
20. Front seat cushion pad

<<A>>

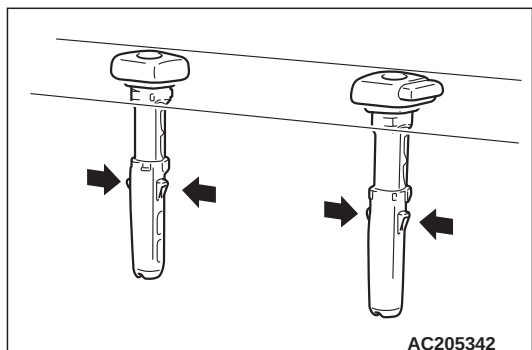
Disassembly steps (Continued)

21. Seat cushion heater <Vehicles with heated seat>
22. Front seat cushion assembly

DISASSEMBLY SERVICE POINT

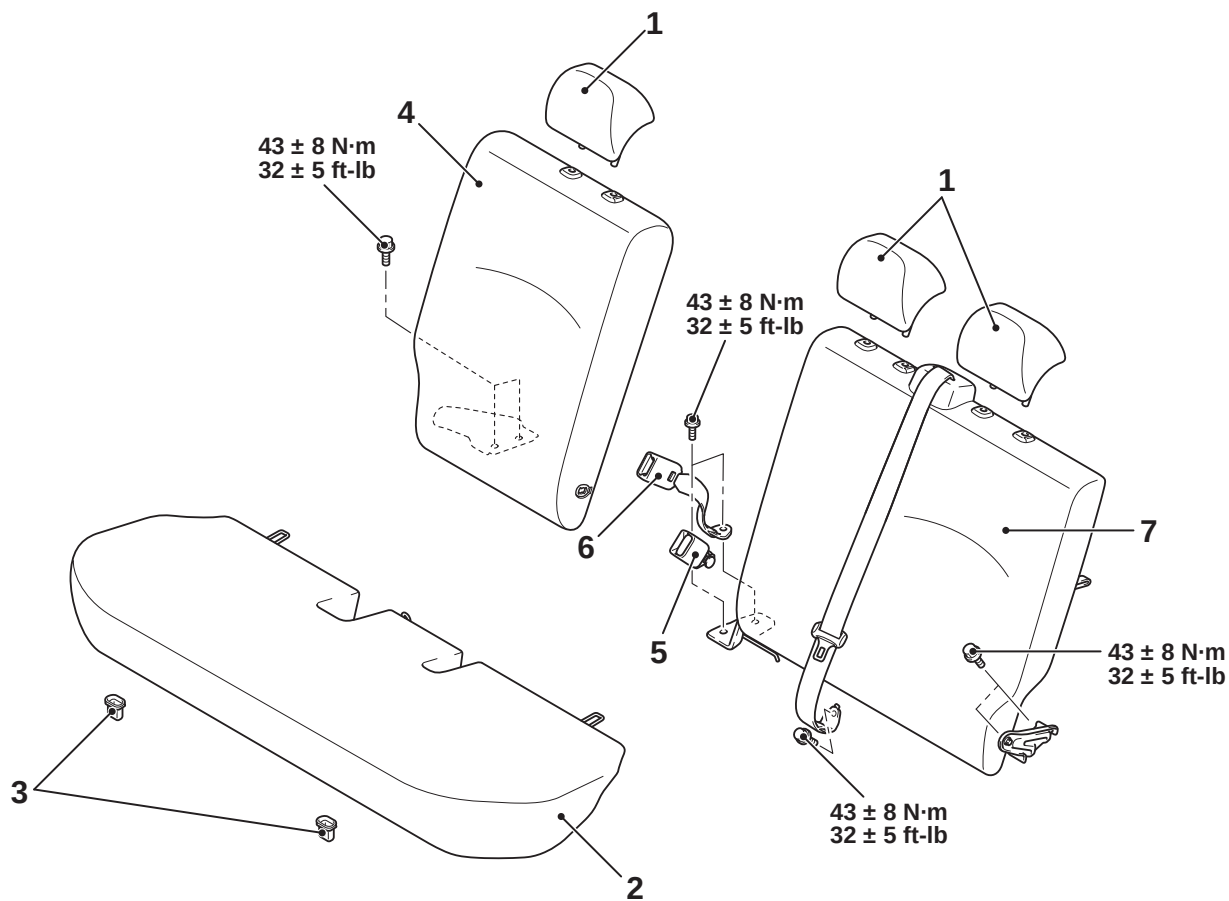
<<A>> HEADRESTRAINT GUIDE REMOVAL

Pull out the headrest while compressing its guide tabs as shown.



**REAR SEAT ASSEMBLY
REMOVAL AND INSTALLATION**

M1522001801104



ACC04368AB

Removal steps

- >>A<<
1. Rear seat headrest
 2. Rear seat cushion assembly
 3. Rear seat hook

<<A>>

Removal steps (Continued)

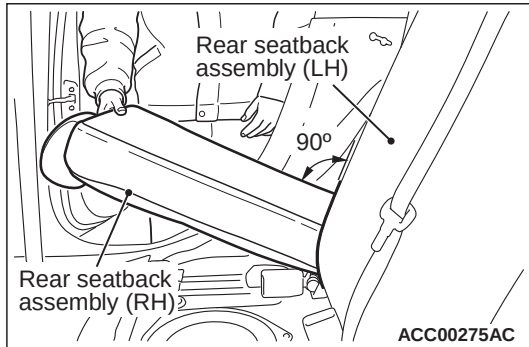
4. Rear seatback assembly (RH)
5. Rear seatbelt inner center

Removal steps (Continued)

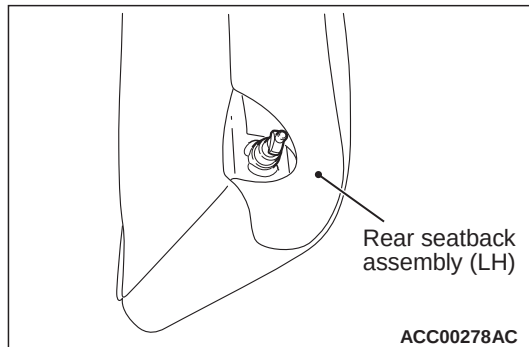
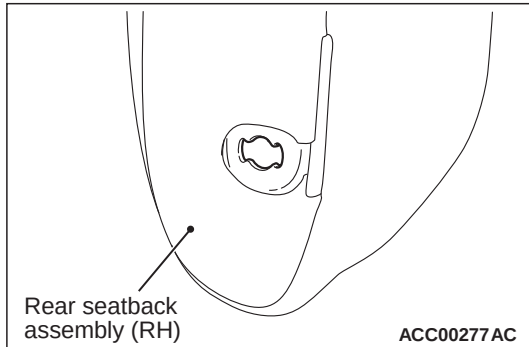
- <<A>>
6. Rear seatbelt inner
 7. Rear seatback assembly (LH)

REMOVAL SERVICE POINT**<<A>> REAR SEATBACK ASSEMBLY (RH)/REAR SEATBACK ASSEMBLY (LH) REMOVAL**

1. Tilt the rear seatback assembly (RH) at right angle to the rear seatback assembly (LH).



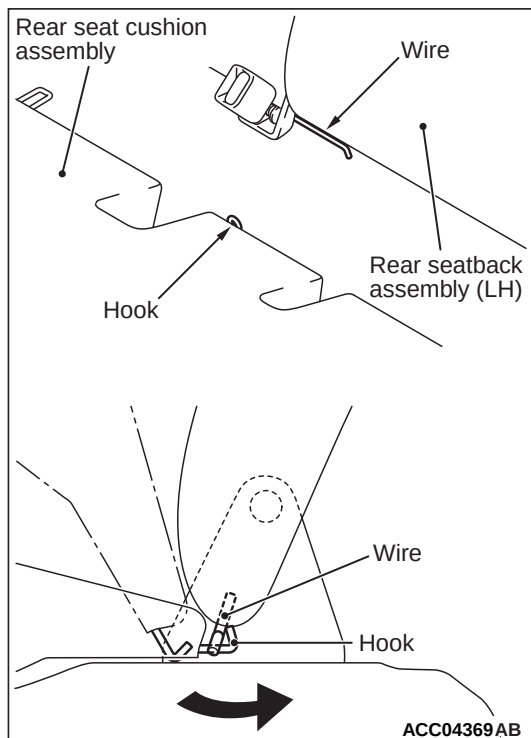
2. Align the hole on the rear seatback assembly (RH) with the projection on the rear seatback assembly (LH) as shown to remove them.



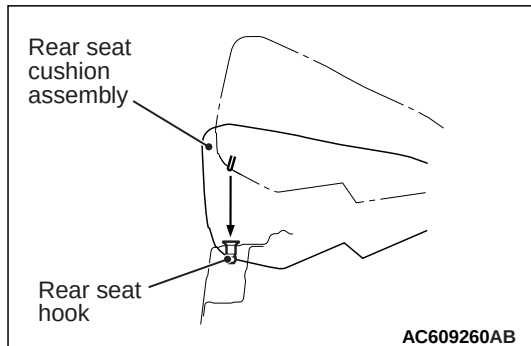
INSTALLATION SERVICE POINT

>>A<< REAR SEAT CUSHION ASSEMBLY INSTALLATION

1. Insert the hook of the rear seat cushion assembly below the wire of the rear seatback assembly (LH) securely.

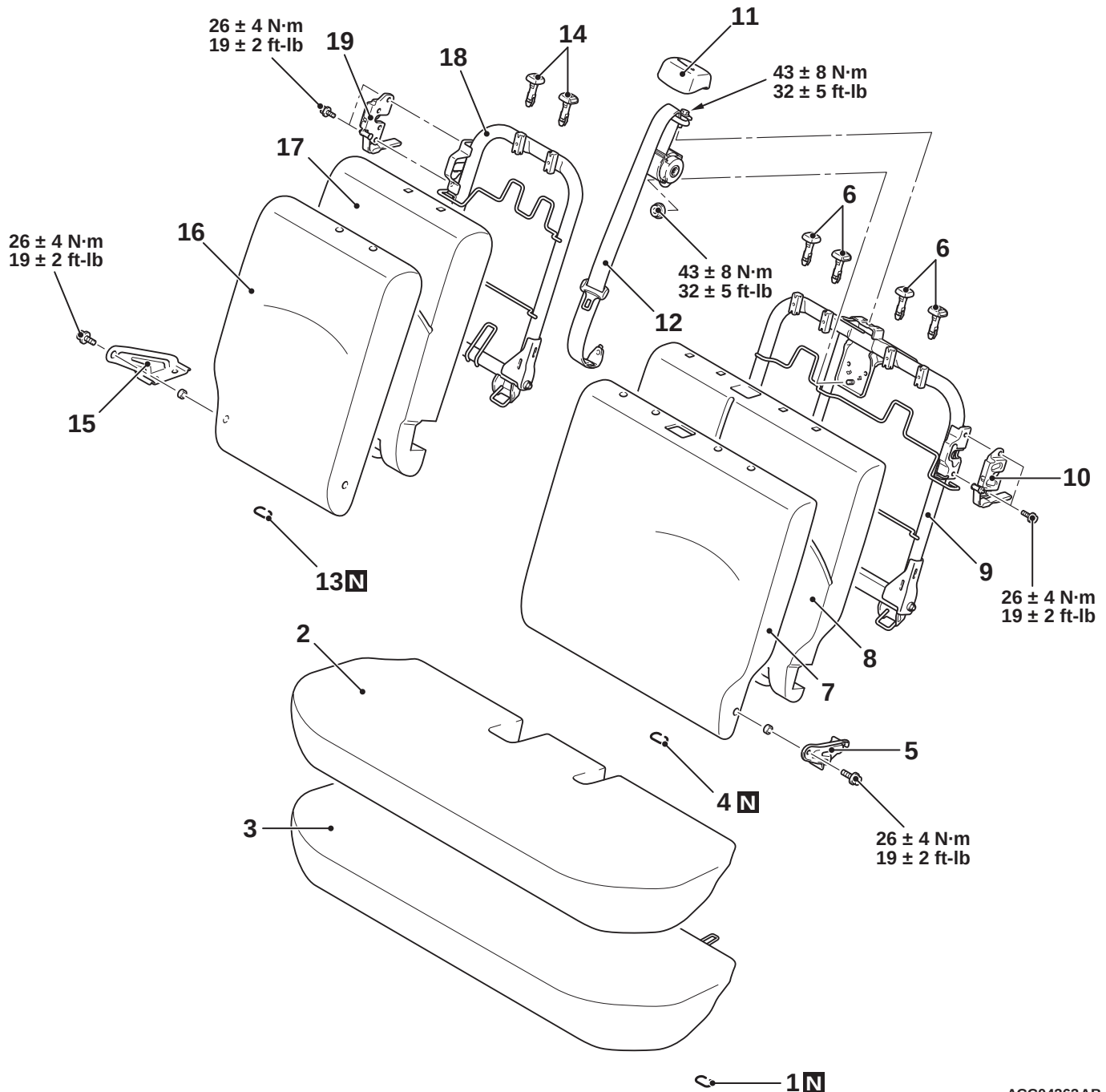


2. Engage the rear seat cushion assembly into the rear seat hook securely. On completion, ensure that the assembly engages securely by pulling it up.



DISASSEMBLY AND REASSEMBLY

M1522002001242



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Disassembly steps

1. Hog ring
2. Rear seat cushion cover
3. Rear seat cushion pad
4. Hog ring
5. Rear seat side hinge bracket (LH)
6. Rear seat headrest guide
7. Rear seatback cover (LH)
8. Rear seatback pad (LH)
9. Rear seatback frame (LH)
10. Rear seat latch (LH)

Disassembly steps (Continued)

11. Rear seatbelt cover
12. Rear seatbelt outer center
13. Hog ring
14. Rear seat headrest guide
15. Rear seat side hinge bracket (RH)
16. Rear seatback cover (RH)
17. Rear seatback pad (RH)
18. Rear seatback frame (RH)
19. Rear seat latch (RH)

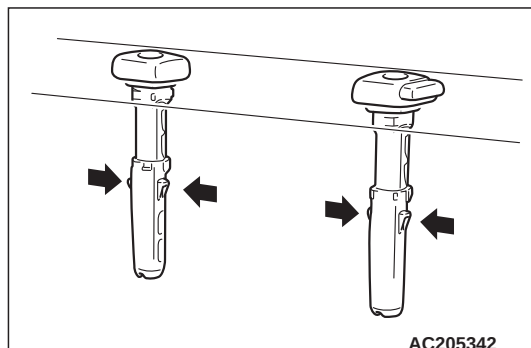
<<A>>

<<A>>

DISASSEMBLY SERVICE POINT

<<A>> REAR SEAT HEADRESTRAINT GUIDE REMOVAL

Pull out the headrest while compressing its guide tabs as shown.



SEAT BELT

FRONT SEAT BELT

REMOVAL AND INSTALLATION

M1523001301555

CAUTION

SRS: Before removing and installing the seat belts with pre-tensioner, refer to GROUP 52B – SRS Service Precautions [P.52B-5](#) and Seat Belt with Pre-tensioner [P.52B-268](#).

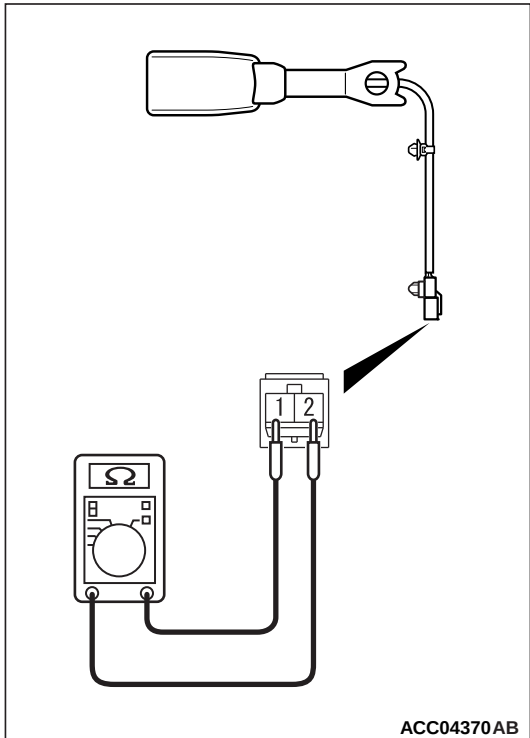
For removal and installation, refer to GROUP 52B, Seat belt with pre-tensioner [P.52B-258](#).

INSPECTION

M1523004400848

SEAT BELT BUCKLE SWITCH CONTINUITY
CHECK (DRIVER'S SIDE)

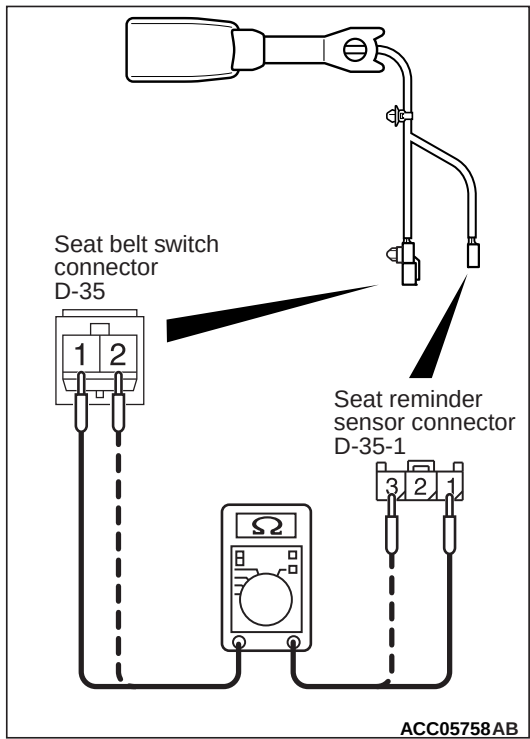
If there is no continuity when the outer seatbelt is fastened, replace the inner seatbelt.



Item	Tester connection	Specified condition
Fastened seat belt	1 – 2	Open circuit
Unfastened seat belt		Continuity exists (2 ohms or less)

SEAT BELT BUCKLE SWITCH CONTINUITY
CHECK (PASSENGER'S SIDE)

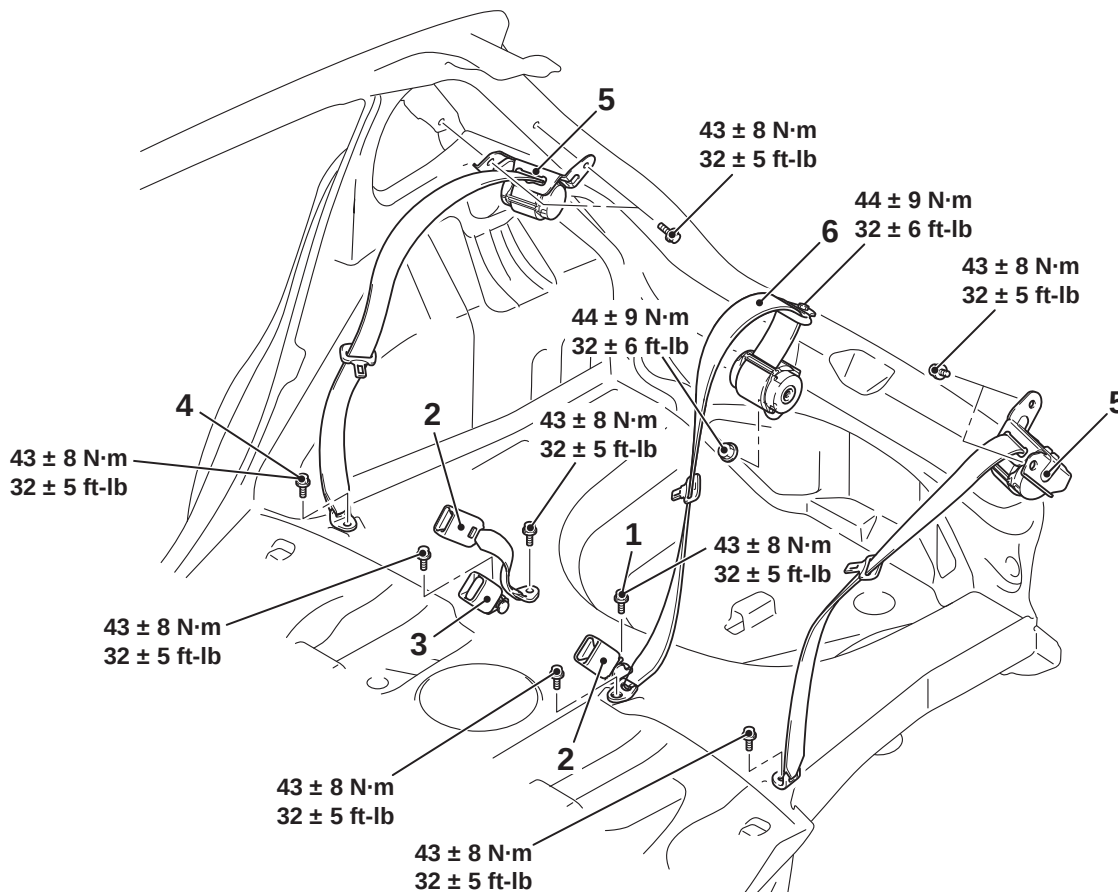
If there is no continuity when the outer seatbelt is fastened, replace the inner seatbelt.



Item	Tester connection	Specified condition
–	Connector D-35 (terminal No.1) – D-35-1 (terminal No.1)	Continuity exists (2 ohms or less)
Fastened seat belt	Connector D-35 (terminal No.2) – D-35-1 (terminal No.3)	Open circuit
Unfastened seat belt		Continuity exists (2 ohms or less)

REAR SEAT BELT REMOVAL AND INSTALLATION

M1523001601352



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Removal steps

- Rear seat cushion assembly (Refer to [P.52A-23](#))
- 1. Rear seatbelt outer center lower anchor bolt
- 2. Rear seatbelt inner
- 3. Rear seatbelt inner center

Removal steps (Continued)

- 4. Rear seatbelt outer lower anchor bolt
- Rear pillar trim (Refer to [P.52A-9](#))
- 5. Rear seatbelt outer assembly
- Rear seatback cover and rear seatback pad (Refer to [P.52A-26](#))
- 6. Rear seatbelt outer center

NOTES