

# 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 (\*).

## GENERAL DESCRIPTION

M1521000100184

### OPERATION

#### Seat belt warning system

If the driver turn the ignition switch to the "ON" position without fastening the seat belt, the seat belt warning light illuminates.

## SEAT BELT DIAGNOSIS

M1523000700182

The seat belt warning system is controlled by the Simplified Wiring System (SWS). For troubleshooting, refer to GROUP 54B, SWS diagnosis [P.54B-118](#).

## INSIDE REAR VIEW MIRROR DIAGNOSIS

### INTRODUCTION TO INSIDE REAR VIEW MIRROR DIAGNOSIS

M1521004200138

If the inside rear view mirror does not operate, the power supply system or the inside rear view mirror circuit may be defective.

### INSIDE REAR VIEW MIRROR DIAGNOSTIC TROUBLESHOOTING STRATEGY

M1524003100717

Use these steps to plan your diagnostic strategy. If you follow them carefully, you will be sure that you have exhausted most of the possible ways to find a inside rear view mirror fault.

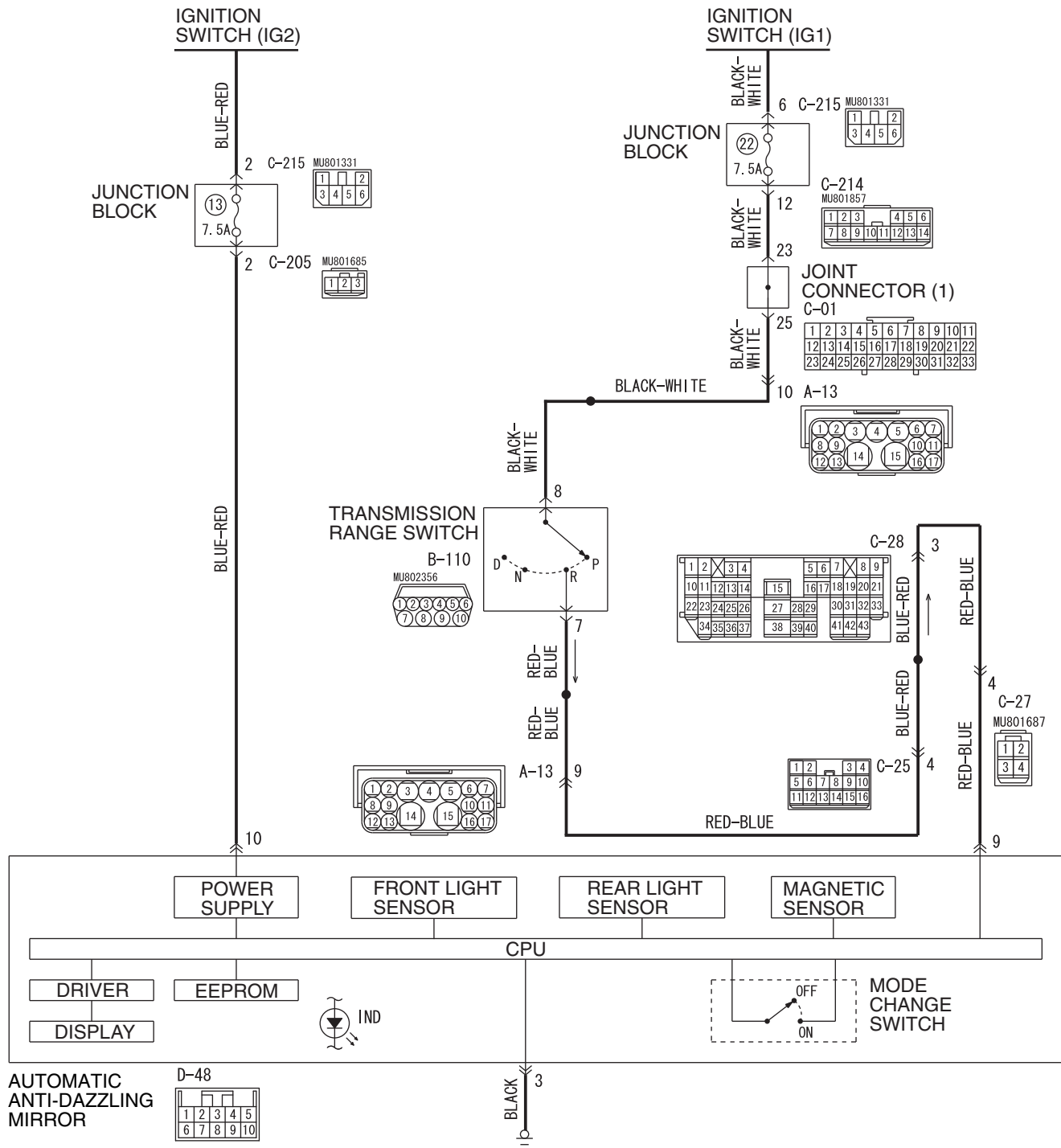
1. Gather information from the customer.

2. Verify that the condition described by the customer exists.
3. Find the malfunction by following the Symptom procedure.
4. Verify malfunction is eliminated.

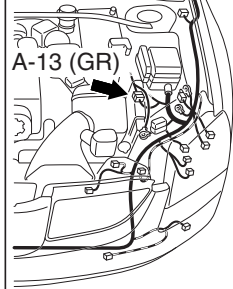
# SYMPTOM PROCEDURES

## The Inside Rear View Mirror can't be Set to Night Mode

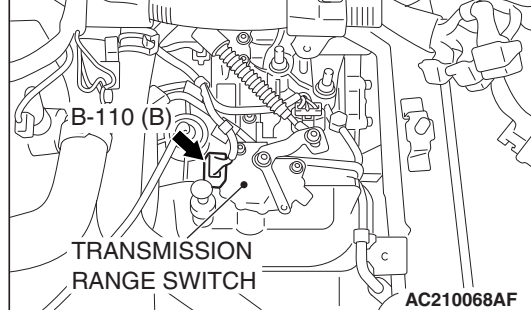
### Automatic Anti-Dazzling Mirror Circuit



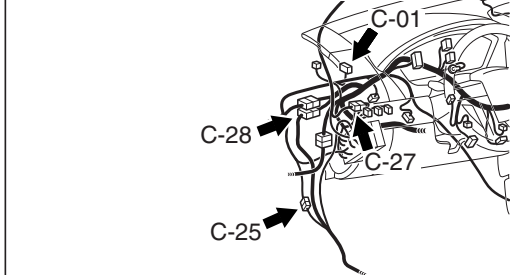
W9P52M000A

**CONNECTOR: A-13**

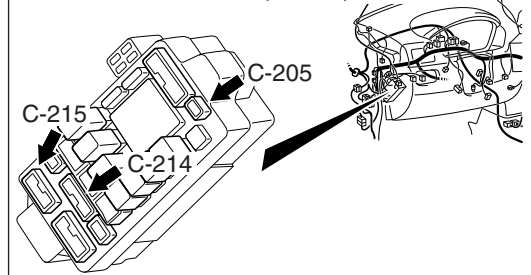
AC306323AC

**CONNECTOR: B-110**

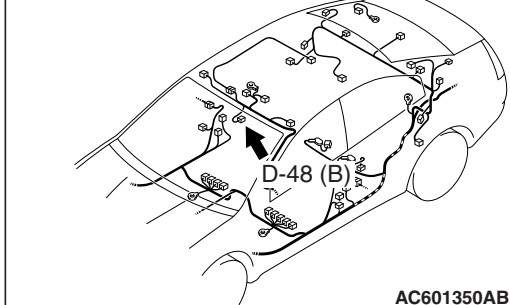
AC210068AF

**CONNECTORS: C-01, C-25, C-27, C-28**

AC305231DQ

**CONNECTORS: C-205, C-214, C-215**

AC207120BR

**CONNECTOR: D-48**

AC601350AB

**FUNCTION**

When the mirror switch is set to "AUTO", the anti-glare function is activated automatically.

**TROUBLESHOOTING HINTS**

- Malfunction of connector.
- Malfunction of the inside rear view mirror assembly

## DIAGNOSIS

### Required Special Tools:

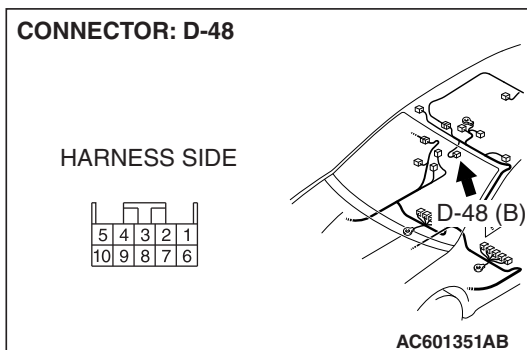
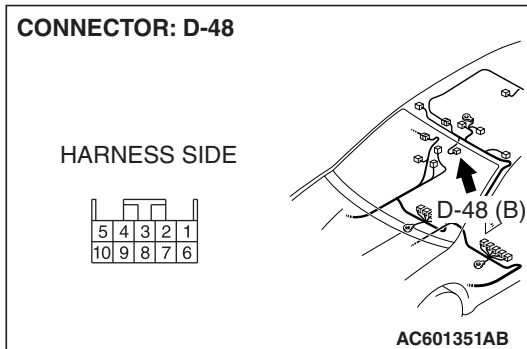
- MB991223: Harness Set
- MB992006: Extra Fine Probe

**STEP 1. Check inside rear view mirror assembly connector D-48 for loose, corroded or damaged terminals, or terminals pushed back in the connector.**

**Q: Is inside rear view mirror assembly connector D-48 in good condition?**

**YES :** Go to Step 2.

**NO :** Repair or replace the connector. Refer to GROUP 00E, Harness Connector Inspection [P.00E-2](#).



**STEP 2. Measure the voltage at inside rear view mirror assembly connector D-48.**

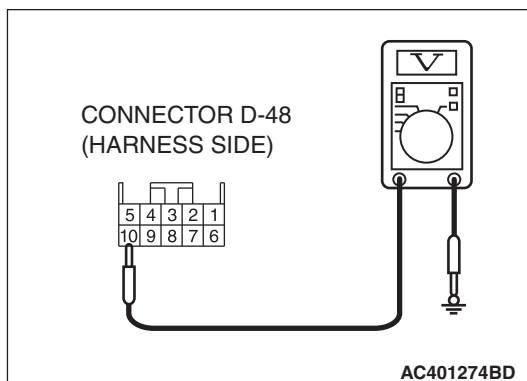
- (1) Disconnect inside rear view mirror assembly connector D-48, and measure the voltage at the wiring harness side.
- (2) Turn the ignition switch to the "ON" position.

- (3) Measure the voltage between terminal 10 and ground.
  - The measured value should be approximately 12 volts (battery positive voltage).

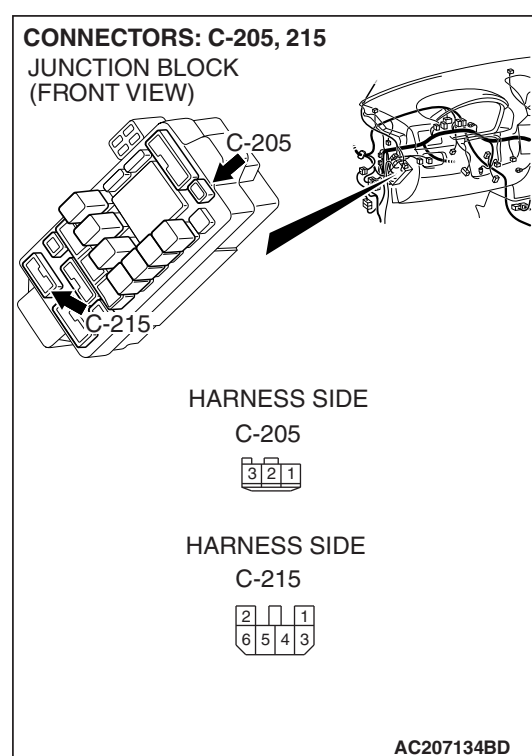
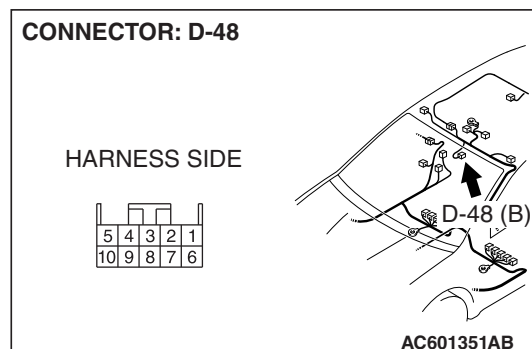
**Q: Is the measured voltage approximately 12 volts?**

**YES :** Go to Step 4.

**NO :** Go to Step 3.



**STEP 3. Check the wiring harness between inside rear view mirror assembly connector D-48 (terminal 10) and the ignition switch (IG2).**



*NOTE: Also check junction block connector C-205 and C-215 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If junction block connector C-205 and C-215 is damaged, repair or replace the connector as described in GROUP 00E, Harness Connector Inspection P.00E-2.*

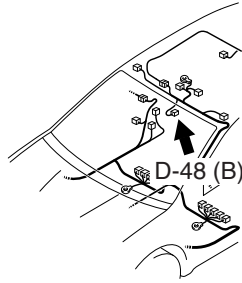
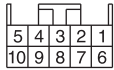
**Q: Is the wiring harness between inside rear view mirror assembly connector D-48 (terminal 10) and the ignition switch (IG2) in good condition?**

**YES :** It can be assumed that this malfunction is intermittent.  
Refer to GROUP 00, How to Use  
Troubleshooting/Inspection Service Points –How to  
Cope with Intermittent Malfunctions P.00-14.

**NO :** Repair the wiring harness.

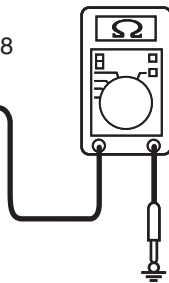
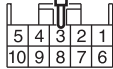
CONNECTOR: D-48

HARNESS SIDE



AC601351AB

CONNECTOR D-48  
(HARNESS SIDE)



AC401275CA

**STEP 4. Measure the resistance at inside rear view mirror assembly connector D-48.**

- (1) Disconnect inside rear view mirror assembly connector D-48, and measure the resistance at the wiring harness side.

- (2) Measure the resistance value between terminal 3 and ground.

- The measured value should be 2 ohms or less.

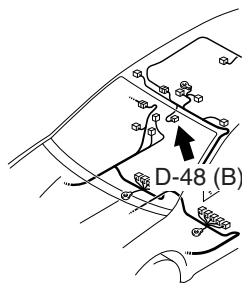
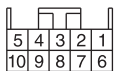
**Q: Does the measured resistance value correspond with this range?**

**YES :** Go to Step 6.

**NO :** Go to Step 5.

CONNECTOR: D-48

HARNESS SIDE



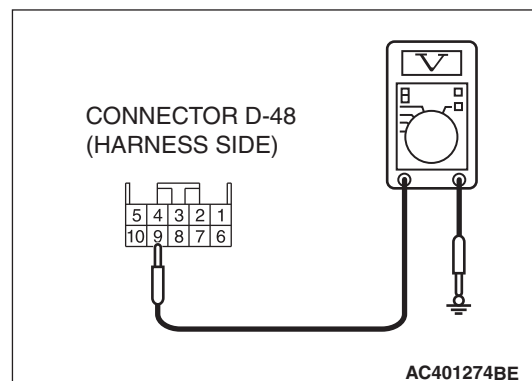
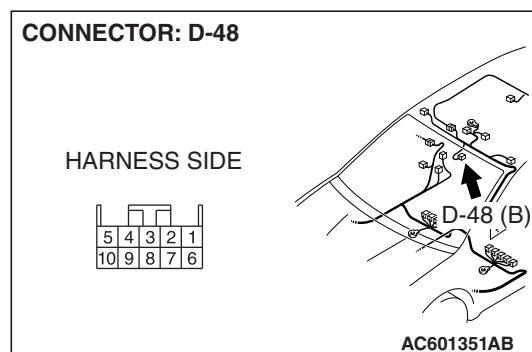
AC601351AB

**STEP 5. Check the wiring harness between inside rear view mirror assembly connector D-48 (terminal 3) and ground.**

**Q: Is the wiring harness between inside rear view mirror assembly connector D-48 (terminal 3) and ground in good condition?**

**YES :** It can be assumed that this malfunction is intermittent.  
Refer to GROUP 00, How to Use Troubleshooting/Inspection Service Points –How to Cope with Intermittent Malfunctions [P.00-14](#).

**NO :** Repair the wiring harness.



**STEP 6. Measure the voltage at inside rear view mirror assembly connector D-48.**

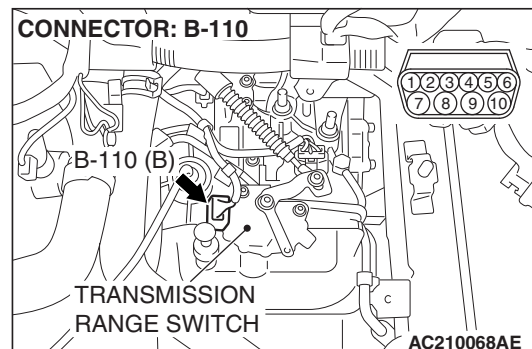
- (1) Disconnect inside rear view mirror assembly connector D-48, and measure the voltage at the harness side.
- (2) Turn the ignition switch to the "ON" position.
- (3) Shift the selector lever to the "R" range.

- (4) Measure the voltage between terminal 9 and ground.
  - The measured value should be approximately 12 volts (battery positive voltage).

**Q: Is the measured voltage approximately 12 volts?**

**YES :** Go to Step 12.

**NO :** Go to Step 7.



**STEP 7. Check transmission range switch connector B-110 for loose, corroded or damaged terminals, or terminals pushed back in the connector.**

**Q: Is the transmission range switch connector B-110 in good condition?**

**YES :** Go to Step 8.

**NO :** Repair or replace the damaged component(s). Refer to GROUP 00E, Harness Connector Inspection [P.00E-2](#).



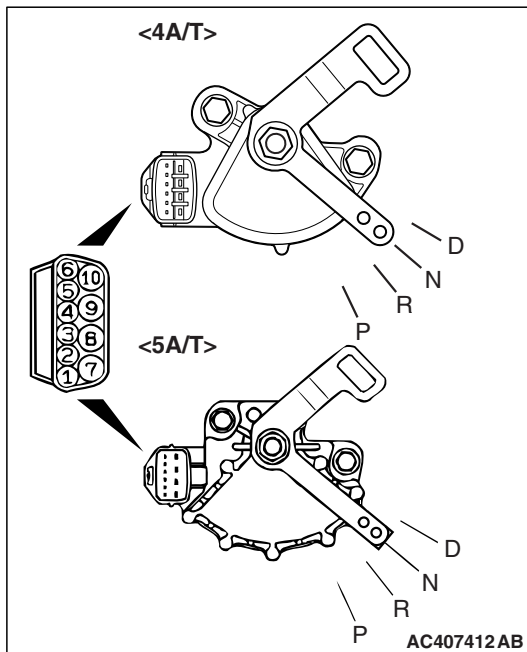
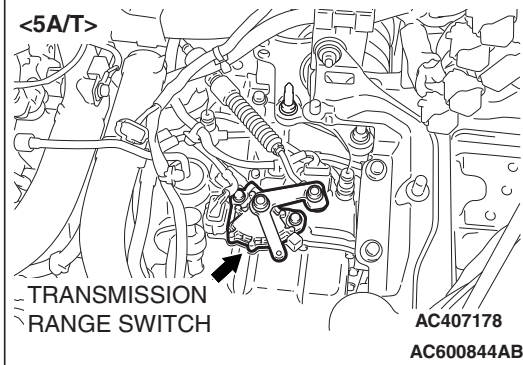
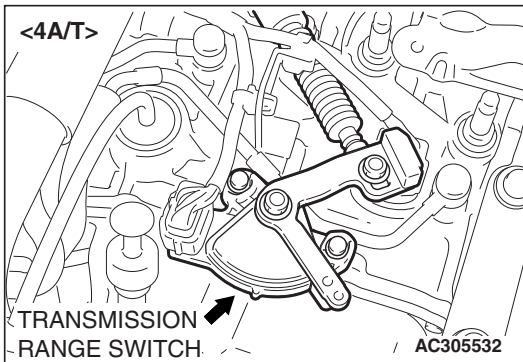
**STEP 8. Check the transmission range switch.**

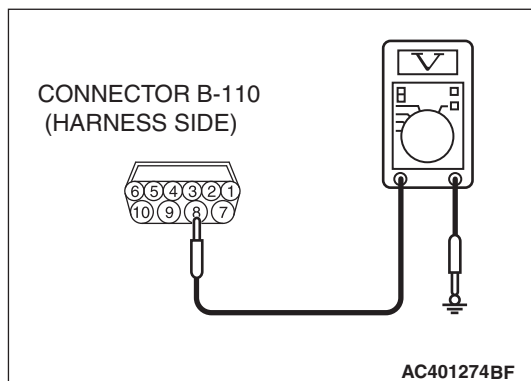
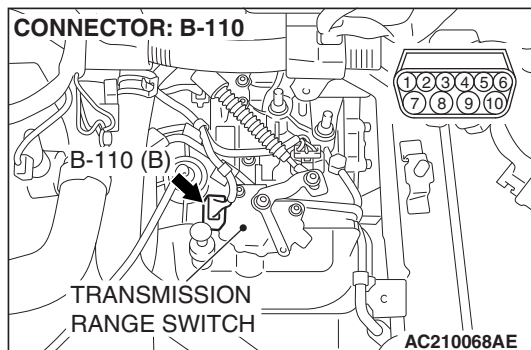
Transmission range	Terminal connection of tester	Specified condition
P	3 -8, 9 -10	Less than 2 ohms.
R	7 -8	
N	4 -8, 9 -10	
D	1 -8	

**Q: Is the transmission range switch in good condition?**

**YES :** Go to Step 9.

**NO :** Replace the transmission range switch.





**STEP 9. Check the ignition switch (IG1) circuit to the backup light switch. Measure the voltage at transmission range switch connector B-110.**

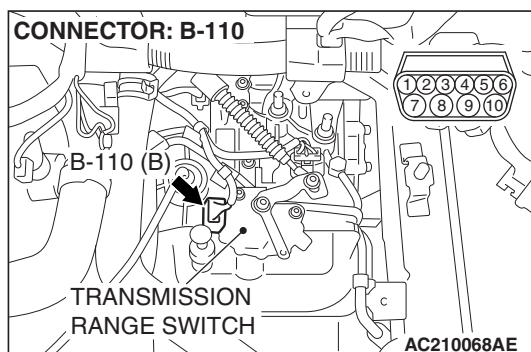
- (1) Disconnect transmission range switch connector B-110 and measure the voltage available at the wiring harness side of the connector.
- (2) Turn the ignition switch to the "ON" position.

- (3) Measure the voltage between terminal 8 and ground.
  - The voltage should equal approximately 12 volts (battery positive voltage).

**Q: Is the measured voltage approximately 12 volts (battery positive voltage)?**

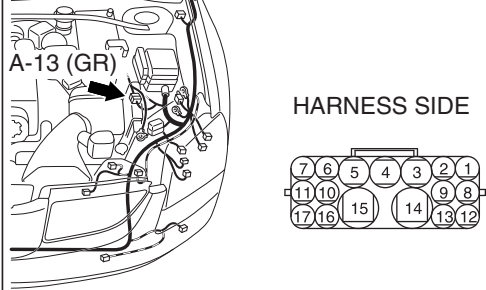
**YES :** Go to Step 11.

**NO :** Go to Step 10.



**STEP 10. Check the wiring harness between transmission range switch connector B-110 (terminal 8) and the ignition switch (IG1).**

**CONNECTOR: A-13**



AC306323AE

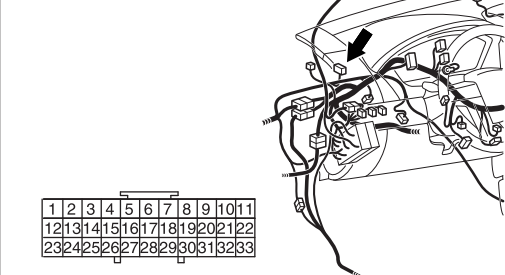
**NOTE:** Also check junction block connectors C-214, C-215, joint connector C-01, intermediate connector A-13 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If junction block connectors C-214, C-215, joint connector C-01, intermediate connector A-13 are damaged, Repair or replace the damaged component(s) as described in GROUP 00E, Harness Connector Inspection [P.00E-2](#).

**Q: Is the wiring harness between transmission range switch connector B-110 (terminal 8) and the ignition switch (IG1) in good condition?**

**YES :** No action is necessary and testing is complete.

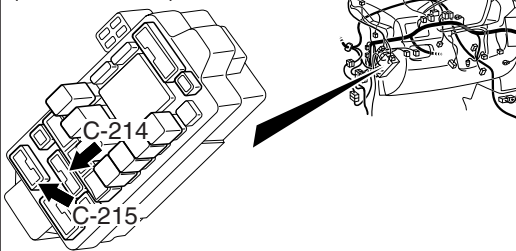
**NO :** The wiring harness may be damaged or the connector(s) may have loose, corroded or damaged terminals, or terminals pushed back in the connector. Repair the wiring harness as necessary.

**CONNECTOR: C-01**



AC305231DR

**CONNECTORS: C-214, 215**  
**JUNCTION BLOCK**  
**(FRONT VIEW)**



HARNESS SIDE

C-214

6	5	4		3	2	1
14	13	12	11	10	9	8

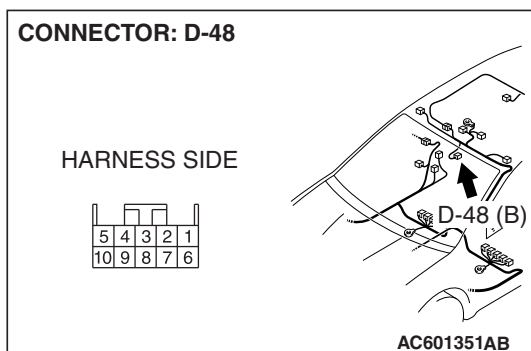
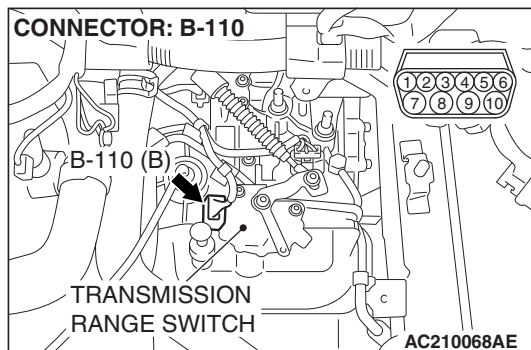
HARNESS SIDE

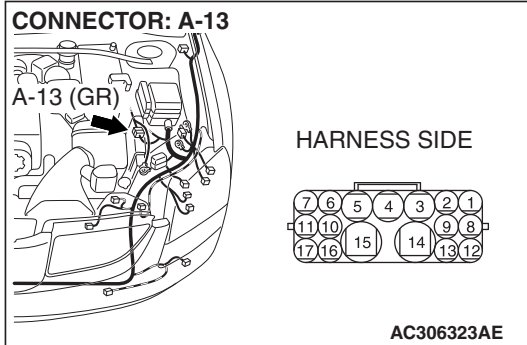
C-215

2		1
6	5	4

AC207134BE

**STEP 11.** Check the wiring harness between inside rear view mirror assembly connector D-48 (terminal 9) and transmission range switch connector B-110 (terminal 7).



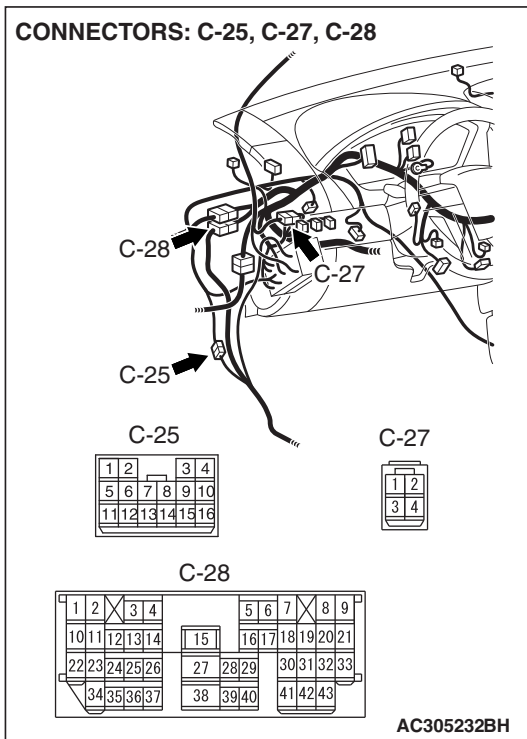


*NOTE: Also check intermediate connectors C-25, C-27, C-28 and A-13 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If intermediate connectors C-25, C-27, C-28 and A-13 is damaged, repair or replace the connector as described in GROUP 00E, Harness Connector Inspection [P.00E-2](#).*

**Q: Is the wiring harness between inside rear view mirror assembly connector D-48 (terminal 9) and transmission range switch connector B-110 (terminal 7) in good condition?**

**YES :** It can be assumed that this malfunction is intermittent. Refer to GROUP 00, How to Use Troubleshooting/Inspection Service Points –How to Cope with Intermittent Malfunctions [P.00-14](#).

**NO :** Repair the wiring harness.



**STEP 12. Check the inside rear view mirror assembly.**

Refer to [P.52A-14](#).

**Q: Is the check result normal?**

**YES :** It can be assumed that this malfunction is intermittent. Refer to GROUP 00, How to Use Troubleshooting/Inspection Service Points –How to Cope with Intermittent Malfunctions [P.00-14](#).

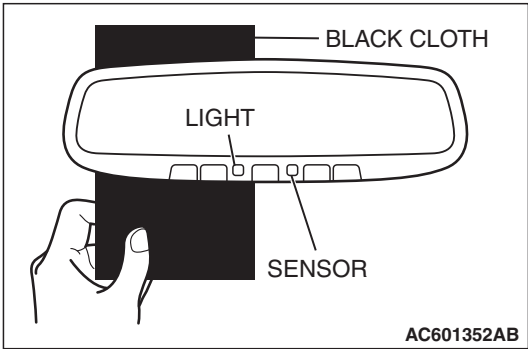
**NO :** Replace the inside rear view mirror assembly.

ON-VEHICLE SERVICE

AUTO-DIMMING FEATURE TEST

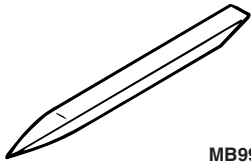
M1524012500070

- 1. Be sure the ignition is on and that the mirror is on. The green LED light to the right of the main display switch will be lit when the mirror is on. If it's not, depress the "TEMP" side of the main display switch for 15 seconds.
- 2. Cover the forward-facing light sensor on the back of the mirror with a black cloth.
- 3. While in a well-lit area, make sure light strikes the sensor on the front of the mirror, simulating glare from vehicles behind you. The mirror will dim within 2 minutes if testing for the first time. If the mirror does not dim, replace the inside rear view mirror.



SPECIAL TOOLS

M1521000600327

Tool	Tool number and name	Supersession	Application
 MB990784	MB990784 Ornament remover	General service tool	Removal of switch, trim, etc.

## INSTRUMENT PANEL ASSEMBLY

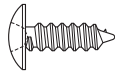

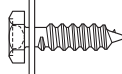
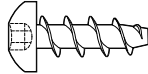


### REMOVAL AND INSTALLATION

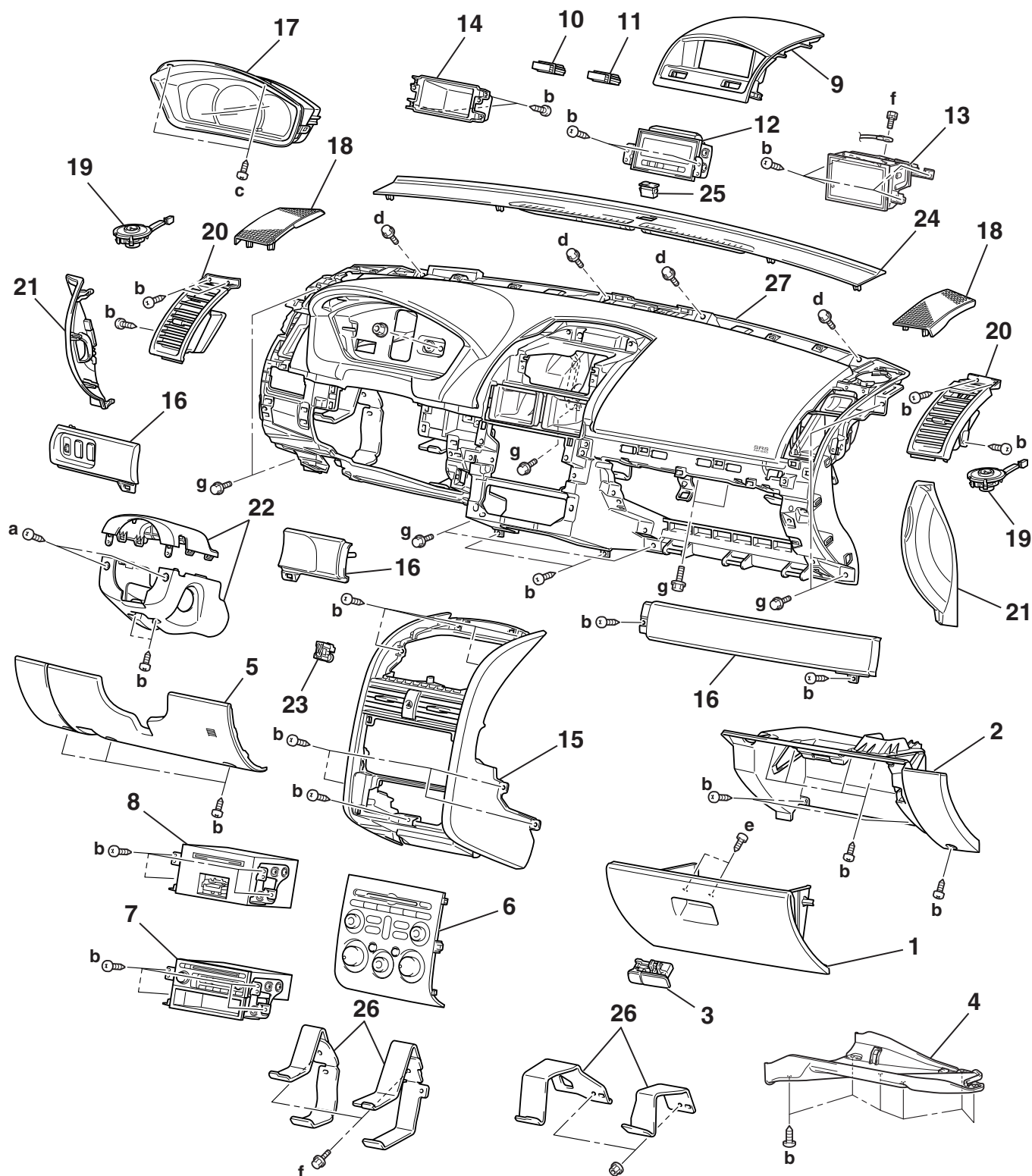
M1521001702389

**⚠ CAUTION**

- Refer to GROUP 52B, SRS Service Precautions [P.52B-26](#) and Air bag Module and Clock Spring [P.52B-435](#) 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.

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	Size (D × L) mm	Color	Shape
TAPPING SCREW	a	5 × 12	BLACK	 AC104450
	b	5 × 16	-	
	c	5 × 20	BLACK	 AC104448
	d	6 × 16	GREEN	 AC104426
	e	8 × 15	-	 AC307531
WASHER ASSEMBLY BOLT	f	6 × 25	-	 AC104416
	g	6 × 16	-	 AC104417



AC601272AB

**REMOVAL STEPS**

1. GLOVEBOX ASSEMBLY
2. INSTRUMENT PANEL PARCEL BOX
3. GLOVEBOX LOCK

**REMOVAL STEPS (Continued)**

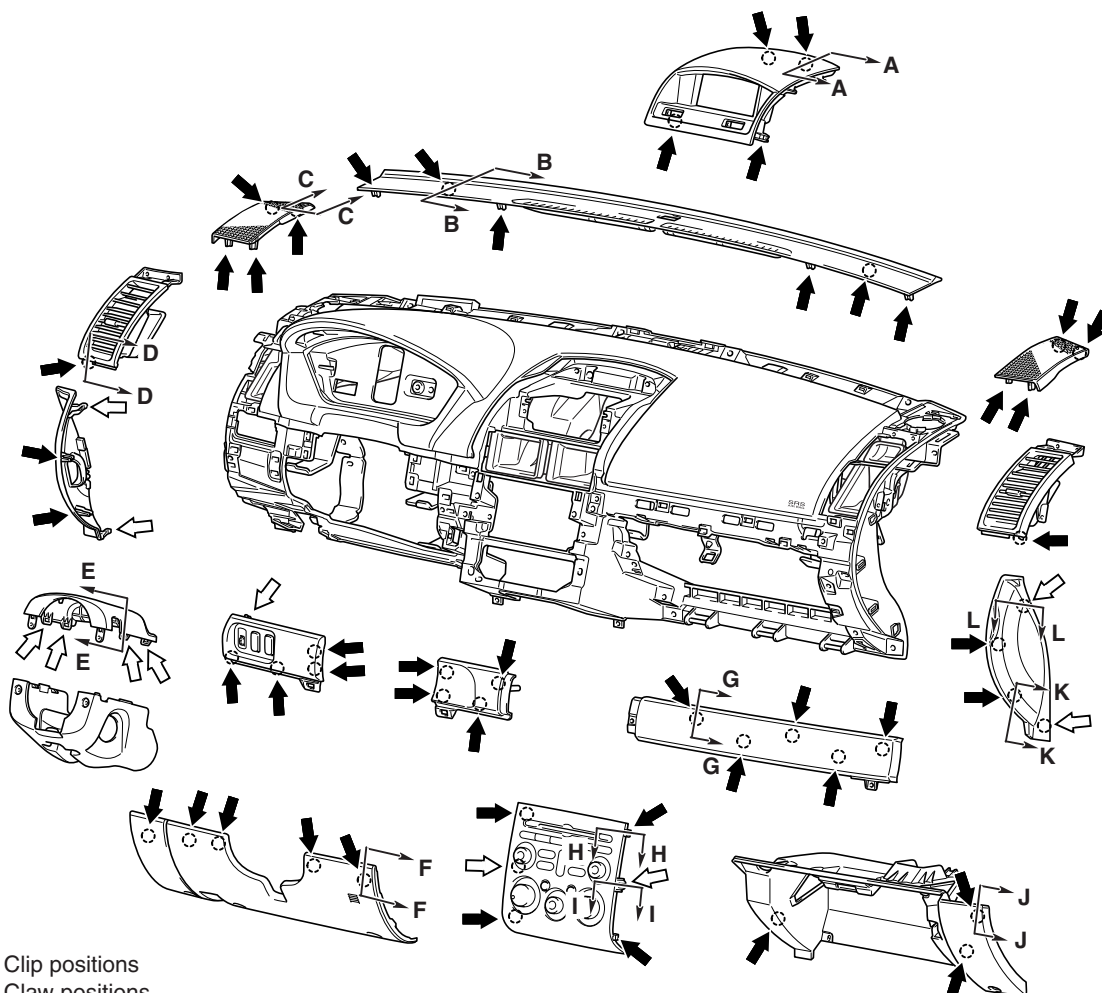
- HOOD LOCK RELEASE HANDLE (REFER TO GROUP 42, HOOD P.42-8.)
- 4. INSTRUMENT PANEL UNDER PASSENGER SIDE COVER
- 5. INSTRUMENT LOWER PANEL



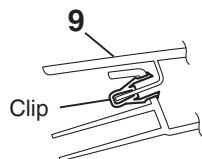
## REMOVAL STEPS (Continued)

- |     |  |       |     |  |
|-----|--|-------|-----|--|
| 6.  | INSTRUMENT CENTER PANEL ASSEMBLY   | <<A>> | •   | CLOCK SPRING CONNECTOR   |
| 7.  | RADIO AND CD PLAYER, ACCESSORY BOX ASSEMBLY  | <<A>> | •   | COLUMN SWITCH CONNECTOR  |
| 8.  | RADIO, CD PLAYER AND CD CHANGER ASSEMBLY   |       | •   | CLOCK SPRING AND COLUMN SWITCH ASSEMBLY (REFER TO GROUP 37, STEERING COLUMN SHAFT <a href="#">P.37-30.</a> )                     |
| 9.  | CONSOLE METER HOOD   |       | 23. | INTERIOR TEMPERATURE SENSOR <VEHICLES WITH AUTOMATIC AIR CONDITIONING> (GROUP 55B, SENSORS <a href="#">P.55B-20.</a> )           |
| 10. | PASSENGER'S AIR BAG OFF INDICATOR LIGHT  |       | 24. | INSTRUMENT PANEL FRONT END GARNISH   |
| 11. | PASSENGER'S SEAT BELT WARNING LIGHT  |       | 25. | PHOTO SENSOR <VEHICLES WITH AUTOMATIC AIR CONDITIONING> (GROUP 55B, SENSORS <a href="#">P.55B-20.</a> )                          |
| 12. | MULTI-CENTER DISPLAY ASSEMBLY <VEHICLES WITH MULTI-CENTER DISPLAY>   |       | 26. | STAY   |
| 13. | MULTI DISPLAY UNIT <VEHICLES WITH MITSUBISHI MULTI-COMMUNICATION SYSTEM>   |       | •   | FLOOR CONSOLE ASSEMBLY (REFER TO <a href="#">P.52A-21.</a> )   |
| 14. | INSTRUMENT PANEL CLOCK HOLE BOX <VEHICLES WITHOUT MULTI-CENTER DISPLAY OR MITSUBISHI MULTI-COMMUNICATION SYSTEM>     | <<A>> | •   | COWL SIDE TRIM (REFER TO <a href="#">P.52A-22.</a> )   |
| 15. | CENTER CONSOLE ASSEMBLY  |       | •   | AIR BAG MODULE CONNECTOR <PASSENGER'S (FRONT)> (REFER TO GROUP 52B, AIR BAG MODULE AND CLOCK SPRING <a href="#">P.52B-435.</a> ) |
| 16. | INSTRUMENT PANEL GARNISH   |       | 27. | INSTRUMENT PANEL ASSEMBLY  |
| 17. | COMBINATION METER ASSEMBLY   |       |     |  |
| •   | FRONT PILLAR TRIM (REFER TO <a href="#">P.52A-22.</a> )  |       |     |  |
| 18. | FRONT SPEAKER GARNISH  |       |     |  |
| 19. | TWEETER  |       |     |  |
| 20. | INSTRUMENT PANEL SIDE AIR OUTLET   |       |     |  |
| 21. | INSTRUMENT PANEL SIDE COVER  |       |     |  |
| •   | AIR BAG MODULE ASSEMBLY <DRIVER'S> (REFER TO GROUP 52B, AIR BAG MODULE AND CLOCK SPRING <a href="#">P.52B-435.</a> ) |       |     |  |
| •   | STEERING WHEEL ASSEMBLY (REFER TO GROUP 37, STEERING WHEEL <a href="#">P.37-28.</a> )                                |       |     |  |
| 22. | STEERING COLUMN COVER  |       |     |  |

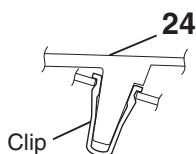
## CLIP AND CLAW POSITIONS



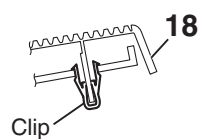
Section A – A



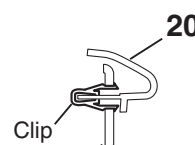
Section B – B



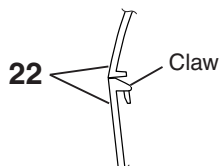
Section C – C



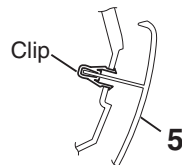
Section D – D



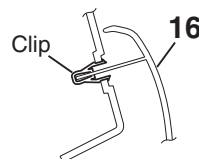
Section E – E



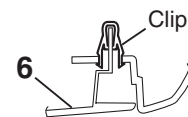
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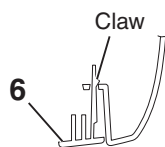
Section G – G



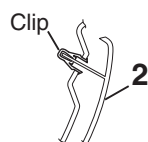
Section H – H



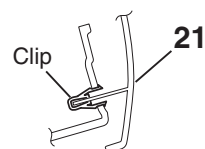
Section I – I



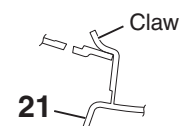
Section J – J



Section K – K



Section L – L



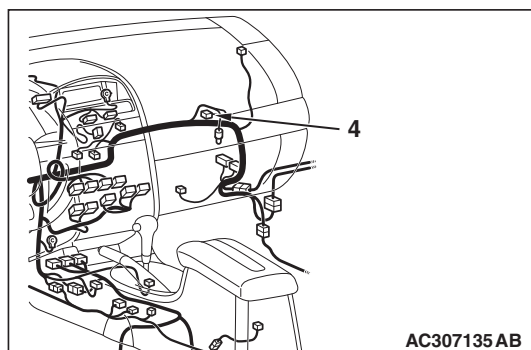
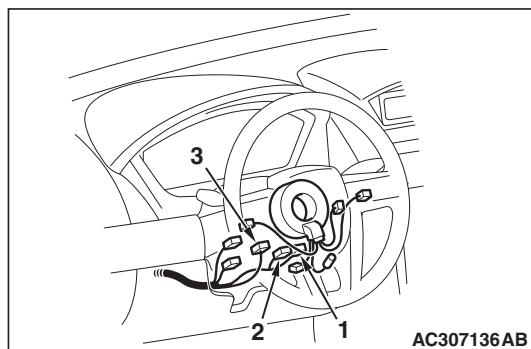
AC504255AE

## REMOVAL SERVICE POINT

### <<A>> CONNECTOR DISCONNECTION

Disconnect the connectors shown in the illustration.

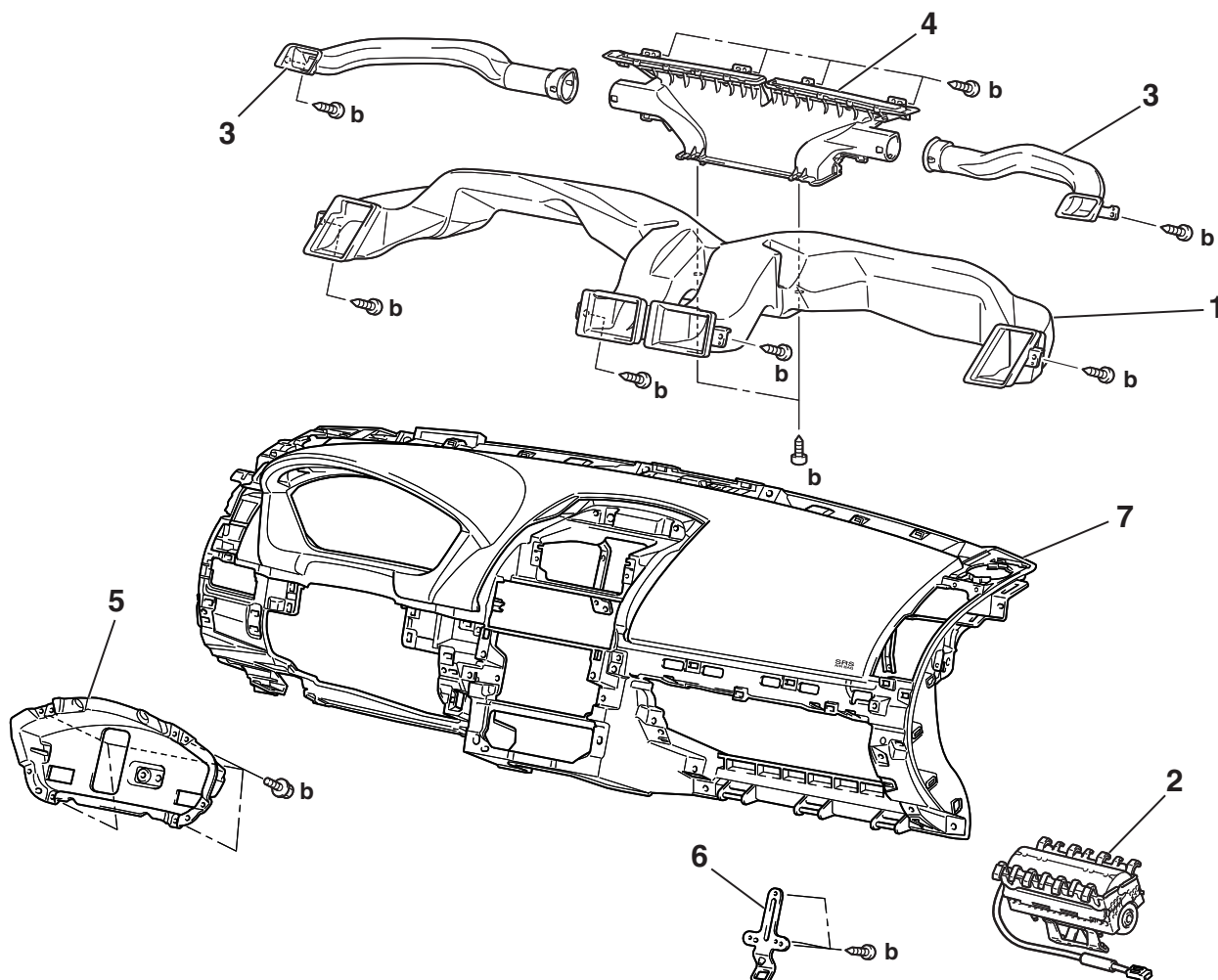
1. CLOCK SPRING CONNECTOR (6)
2. CLOCK SPRING CONNECTOR (4-Y)
3. COLUMN SWITCH CONNECTOR (10)



4. PASSENGER'S (FRONT) AIR BAG MODULE CONNECTOR (4-Y)

## DISASSEMBLY AND ASSEMBLY

M1521001900592



AC501497AB

**DISASSEMBLY STEPS**

1. DISTRIBUTION DUCT
2. PASSENGER'S (FRONT) AIR BAG  
MODULE ASSEMBLY (REFER TO  
GROUP 52B, AIR BAG  
MODULE(S) AND CLOCK  
SPRING [P.52B-435.](#))

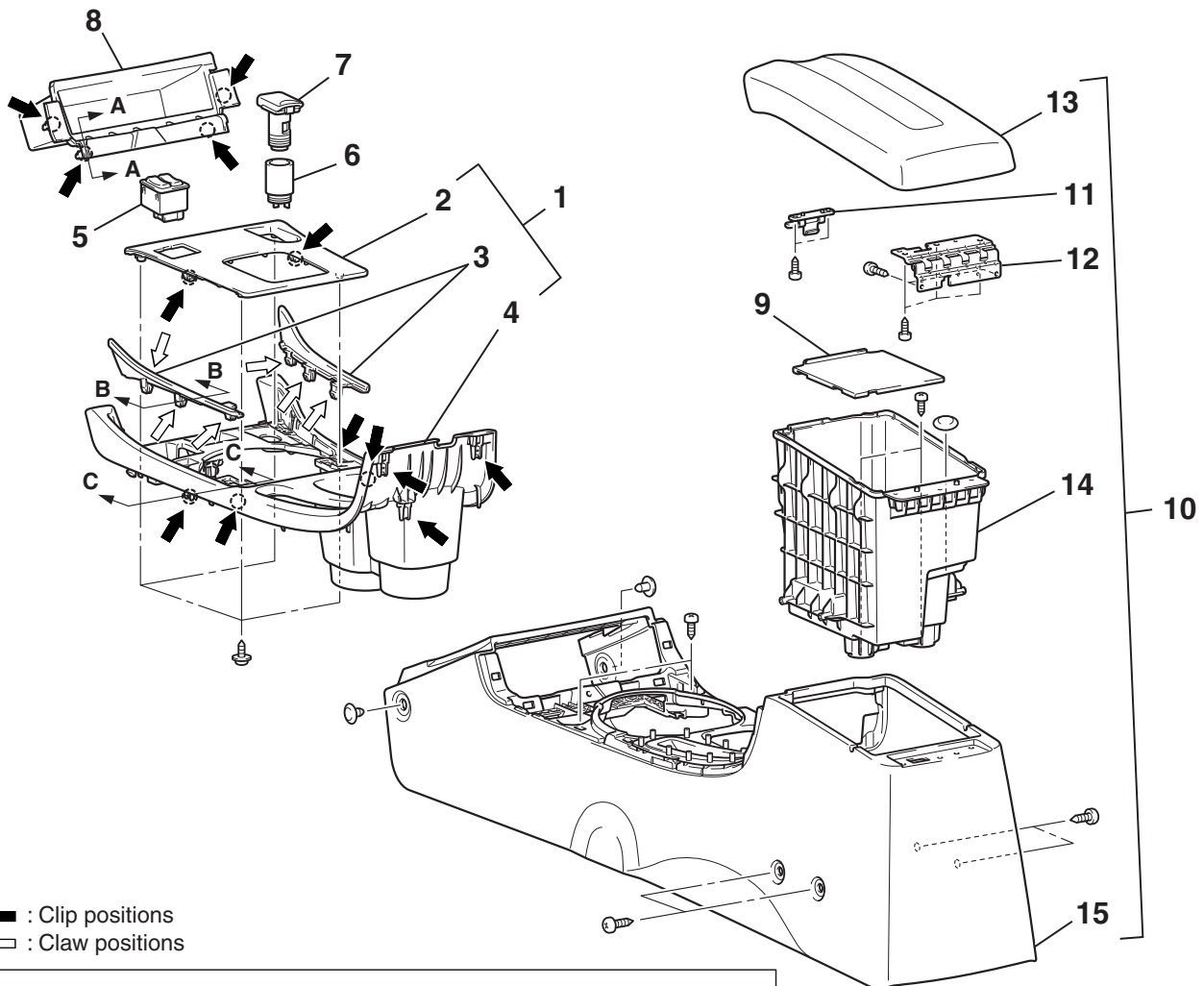
**DISASSEMBLY STEPS**

3. SIDE DEFROSTER DUCT
4. DEFROSTER NOZZLE
5. COMBINATION METER BRACKET
6. GLOVEBOX STRIKER
7. INSTRUMENT PANEL

# FLOOR CONSOLE ASSEMBLY

## REMOVAL AND INSTALLATION

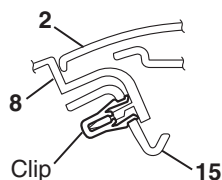
M1521002201232



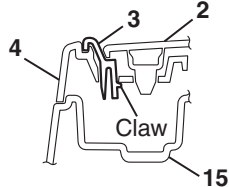
### NOTE

- (1) : Clip positions  
(2) : Claw positions

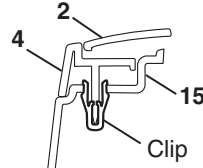
#### Section A - A



#### Section B - B



#### Section C - C



AC708132AC

### REMOVAL STEPS

1. GEARSHIFT LEVER PANEL
2. SHIFTER PANEL UPPER
3. ACCENT PANEL
4. SHIFTER PANEL BASE
5. HEATED SEAT SWITCH  
<VEHICLES WITH HEATED SEAT>
6. ACCESSORY SOCKET (REFER TO GROUP 54A, ACCESSORY SOCKET [P.54A-151.](#))
7. ACCESSORY SOCKET COVER

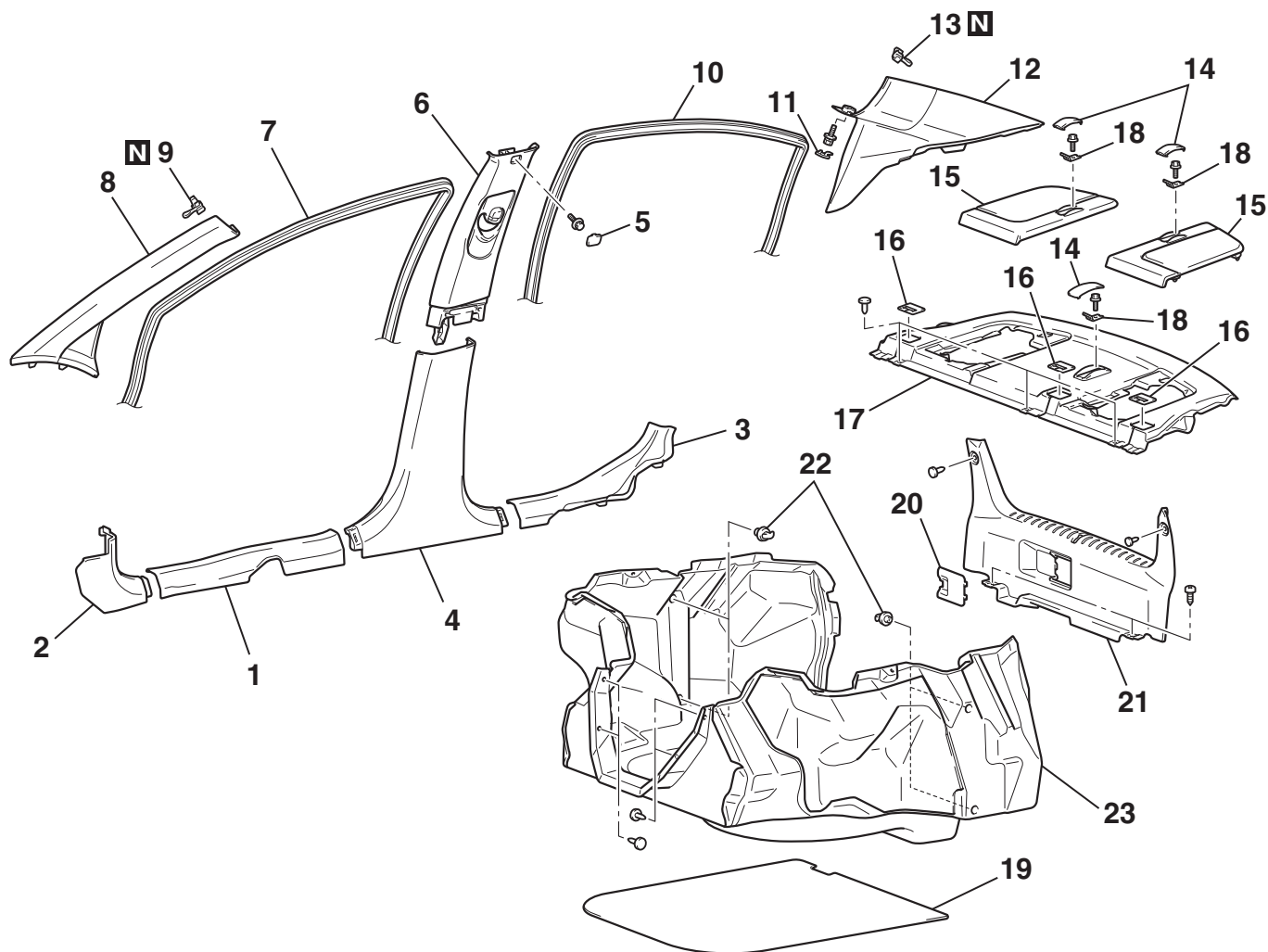
### REMOVAL STEPS (Continued)

8. FRONT BOX
9. PLATE
10. FLOOR CONSOLE ASSEMBLY
11. LID LOCK LEVER
12. HINGE
13. LID
14. INNER BOX
15. FLOOR CONSOLE
16. REAR BRACKET

## TRIMS

## REMOVAL AND INSTALLATION

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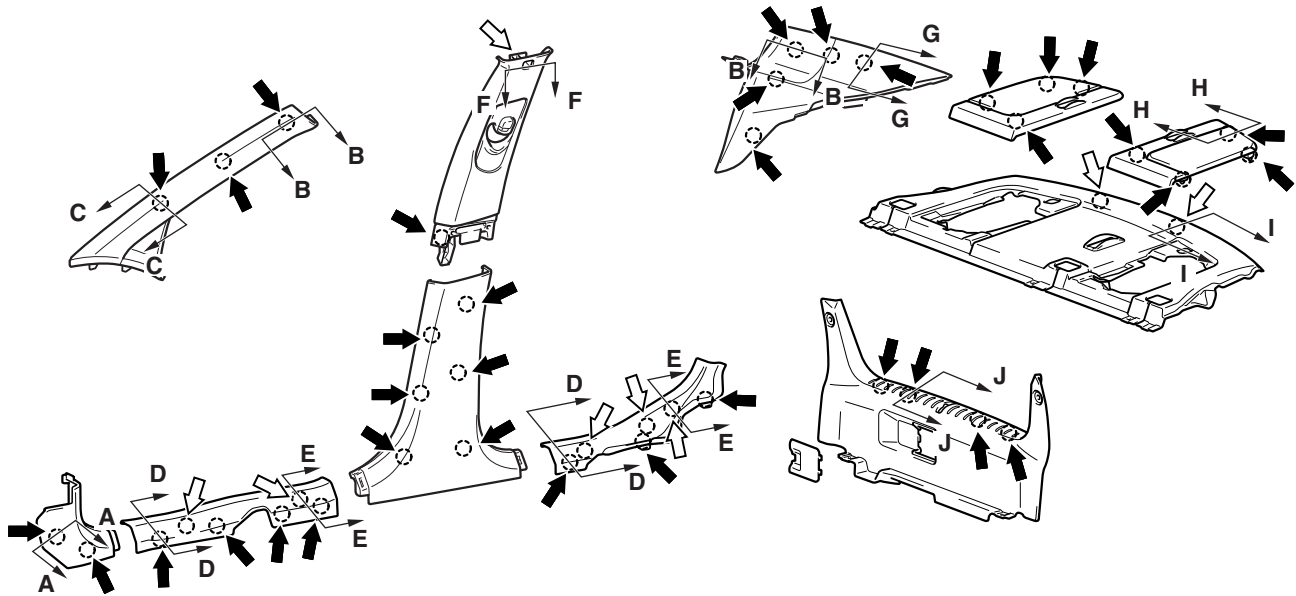
&lt;&lt;A&gt;&gt;

1. FRONT SCUFF PLATE
2. COWL SIDE TRIM
  - REAR SEAT CUSHION (REFER TO [P.52A-42.](#))
3. REAR SCUFF PLATE
  - FRONT SEAT BELT LOWER ANCHOR BOLT
4. CENTER PILLAR TRIM LOWER
5. SCREW CAP
6. CENTER PILLAR TRIM UPPER
7. FRONT DOOR OPENING TRIM
8. FRONT PILLAR TRIM
9. FRONT PILLAR TRIM CLIP
10. REAR DOOR OPENING TRIM
11. SCREW CAP

&lt;&lt;B&gt;&gt;

- REAR SEATBACK ASSEMBLY (REFER TO [P.52A-42.](#))
- 12. REAR PILLAR TRIM
- 13. REAR PILLAR TRIM CLIP
- 14. CHILD RESTRAINT LID
- 15. REAR SHELF SPEAKER GARNISH
- 16. SEAT BELT GARNISH
- 17. REAR SHELF TRIM
- 18. CHILD RESTRAINT FITTING
- 19. TRUNK ROOM FLOOR BOARD
- 20. REAR END TRIM COVER
- 21. REAR END TRIM
- 22. PARCEL NET ANCHOR
- 23. TRUNK ROOM TRIM

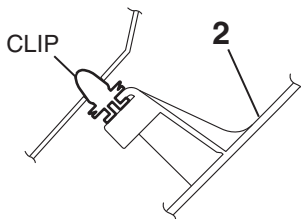
# CLIP AND CLAW POSITION



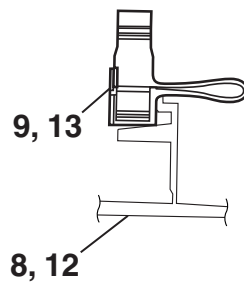
**NOTE**

- (1) : CLIP POSITIONS  
(2) : CLAW POSITIONS

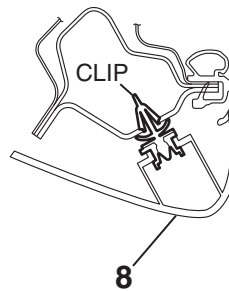
**SECTION A - A**



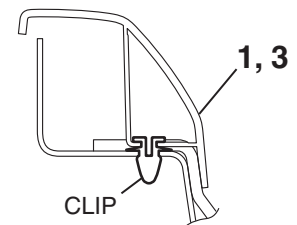
**SECTION B - B**



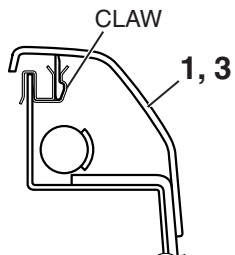
**SECTION C - C**



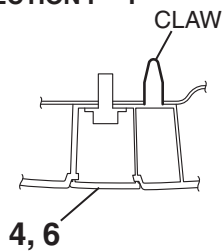
**SECTION D - D**



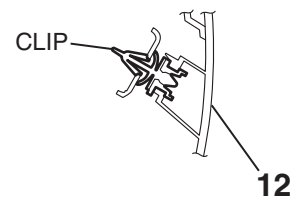
**SECTION E - E**



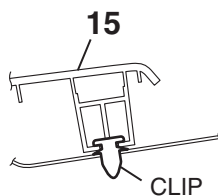
**SECTION F - F**



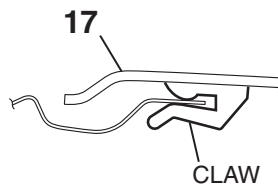
**SECTION G - G**



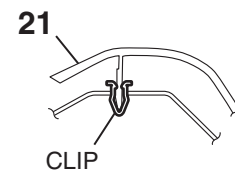
**SECTION H - H**



**SECTION I - I**



**SECTION J - J**

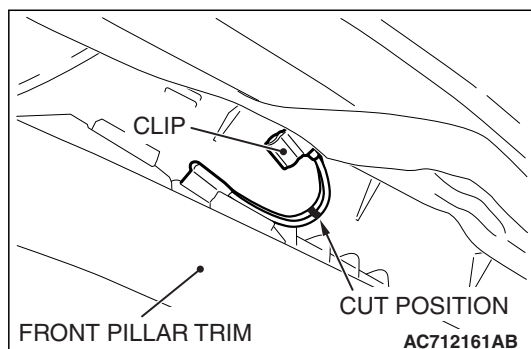
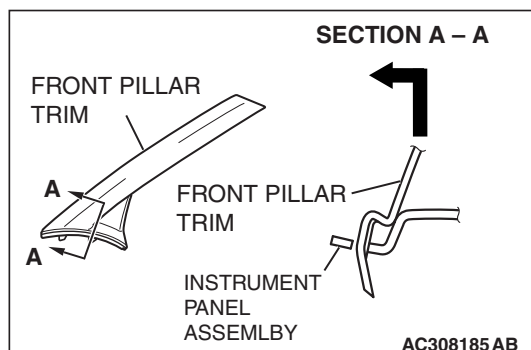


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## REMOVAL SERVICE POINTS

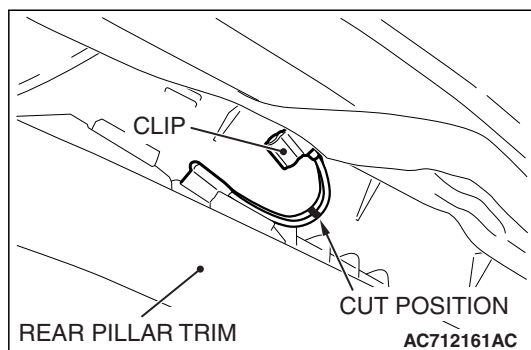
## &lt;&lt;A&gt;&gt; FRONT PILLAR TRIM REMOVAL

Release the clip and remove the front pillar trim by pulling it to the direction shown.



1. Pull down the front pillar trim as shown in the figure.
2. Cut the clip at the cutting position shown in the figure, taking care not to damage the other components.
3. Remove the clip remaining on the front pillar trim, taking care not to scratch the trim.
4. Remove the clip remaining on the vehicle side by breaking it to prevent damage to the flange of the clip mounting hole.

## &lt;&lt;B&gt;&gt; REAR PILLAR TRIM REMOVAL



1. Pull down the front pillar trim as shown in the figure.
2. Cut the clip at the cutting position shown in the figure, taking care not to damage the other components.
3. Remove the clip remaining on the front pillar trim, taking care not to scratch the trim.
4. Remove the clip remaining on the vehicle side by breaking it to prevent damage to the flange of the clip mounting hole.

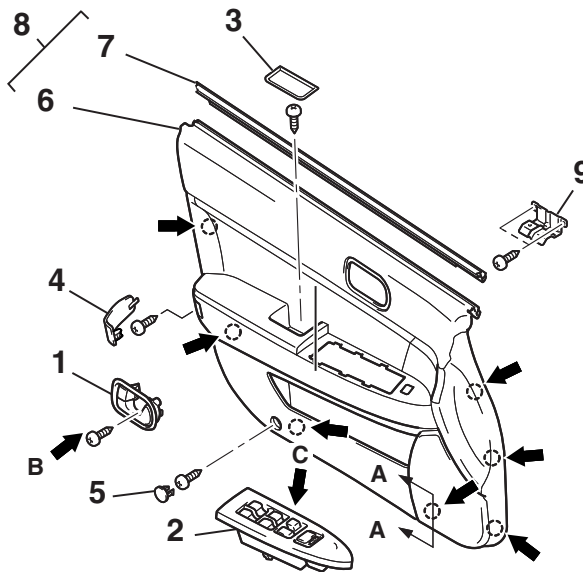


# DOOR TRIM

## REMOVAL AND INSTALLATION

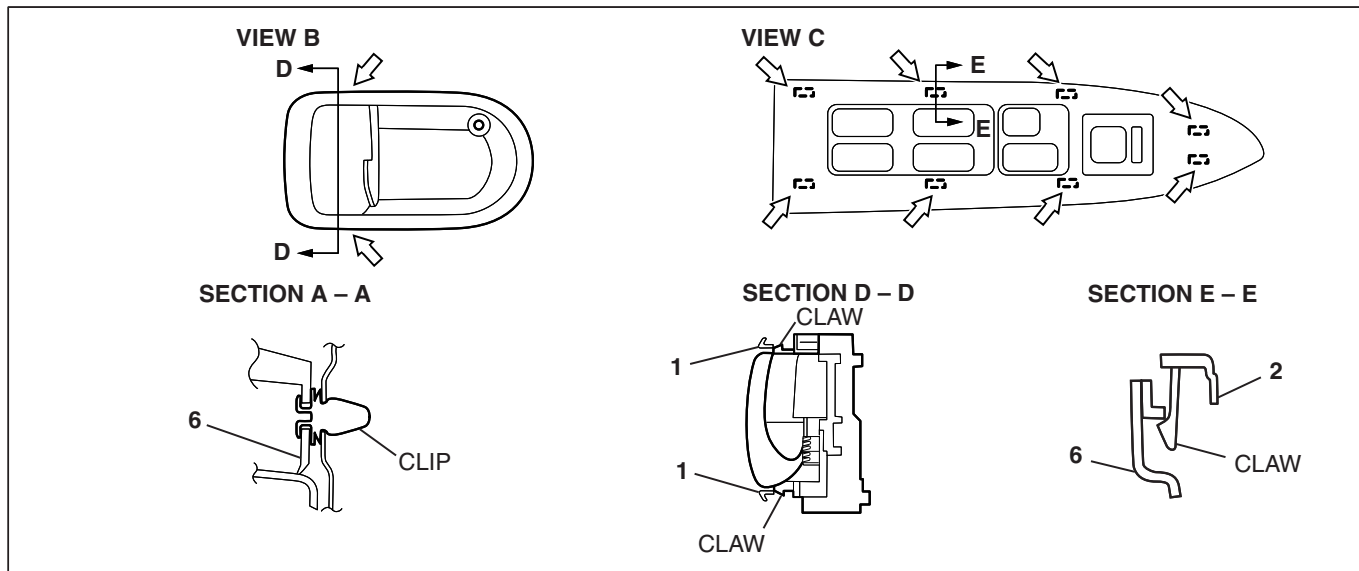
M1521006401324

### <FRONT DOOR TRIM>



**NOTE**

- (1) : CLIP POSITIONS  
(2) : CLAW POSITIONS



AC601345AC

<<A>>  
<<B>>

### REMOVAL STEPS

1. INSIDE HANDLE COVER
2. POWER WINDOW SWITCH  
PANEL ASSEMBLY
3. PULL CUP COVER
4. REFLECTOR
5. CAP
6. FRONT DOOR TRIM ASSEMBLY
7. BELT LINE INNER  
WEATHERSTRIP
9. PULL CUP BRACKET

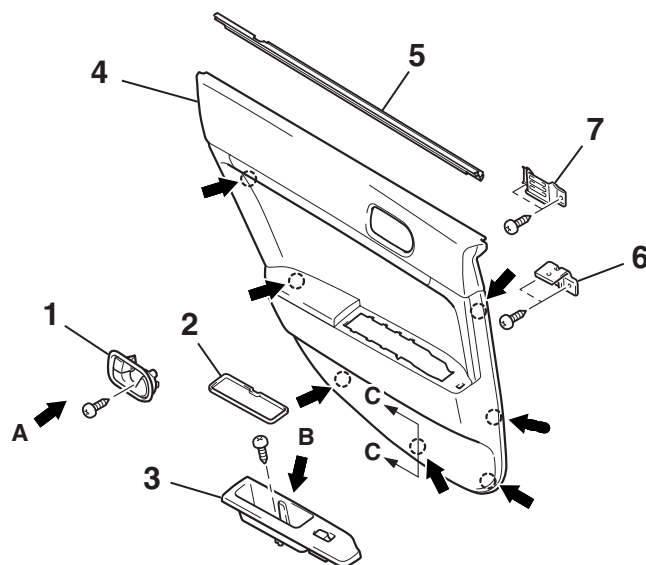
### INSTALLATION STEPS

9. PULL CUP BRACKET
8. BELT LINE INNER  
WEATHERSTRIP AND FRONT  
DOOR TRIM ASSEMBLY
5. CAP
4. REFLECTOR
3. PULL CUP COVER
2. POWER WINDOW SWITCH  
PANEL ASSEMBLY
1. INSIDE HANDLE COVER

### Required Special Tool:

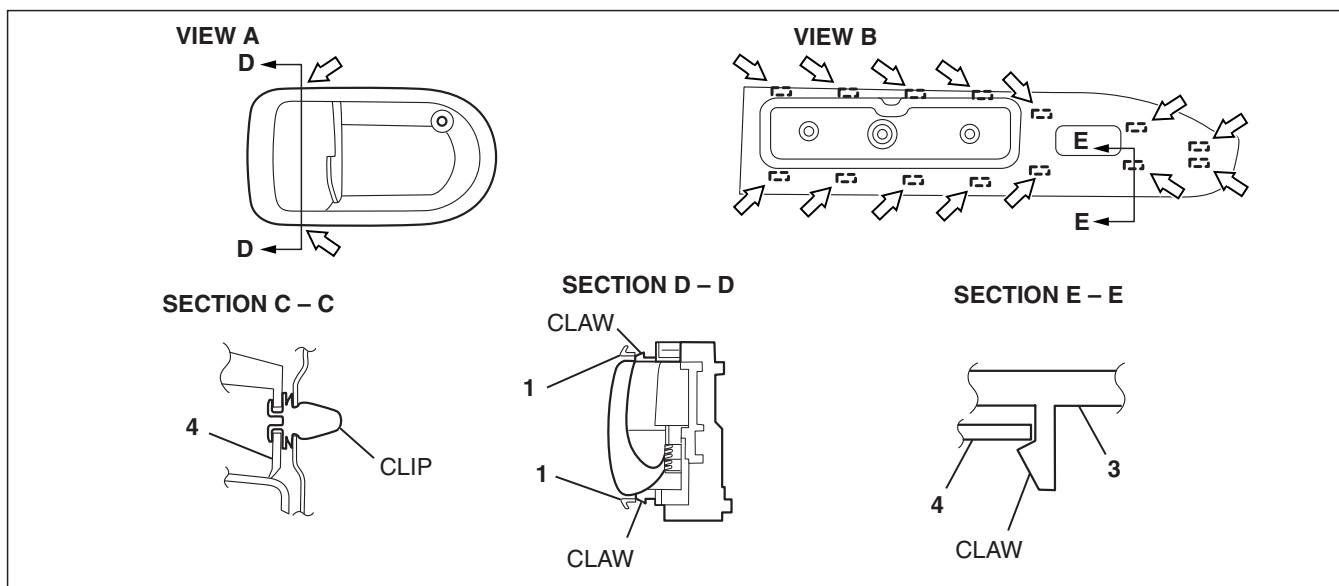
- MB990784: Ornament Remover

## &lt;REAR DOOR TRIM&gt;



## NOTE

- (1) : CLIP POSITIONS  
 (2) : CLAW POSITIONS



AC601346AD

&lt;&lt;A&gt;&gt;

**REMOVAL STEPS**

1. INSIDE HANDLE COVER
2. PULL CUP COVER
3. POWER WINDOW SWITCH  
PANEL ASSEMBLY
4. REAR DOOR TRIM ASSEMBLY
5. BELT LINE INNER  
WEATHERSTRIP

&lt;&lt;B&gt;&gt;

**REMOVAL STEPS (Continued)**

6. ARMREST BRACKET
7. REAR DOOR PANEL BRACKET

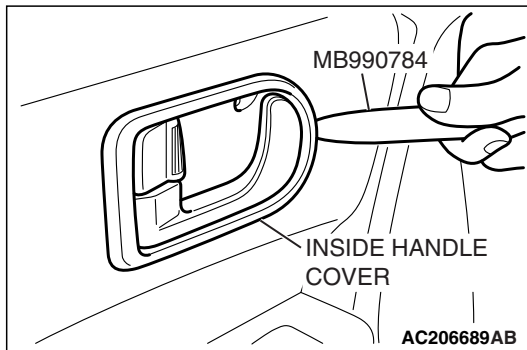
**Required Special Tool:**

- MB990784: Ornament Remover

## REMOVAL SERVICE POINTS

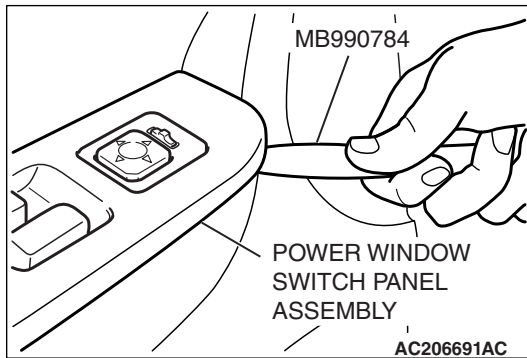
### <<A>> INSIDE HANDLE COVER REMOVAL

Insert special tool MB990784 as shown to remove the inside handle cover.



### <<B>> POWER WINDOW SWITCH PANEL ASSEMBLY REMOVAL

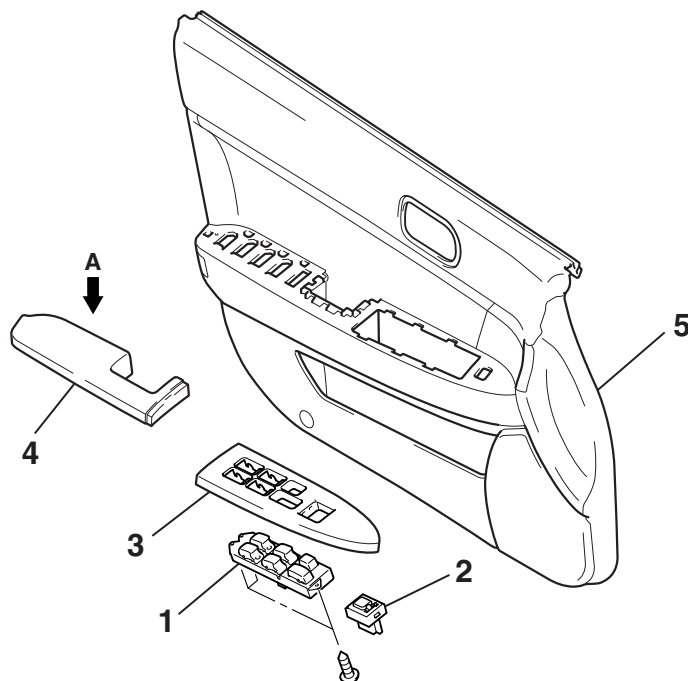
Insert special tool MB990784 as shown to remove the power window switch panel assembly.



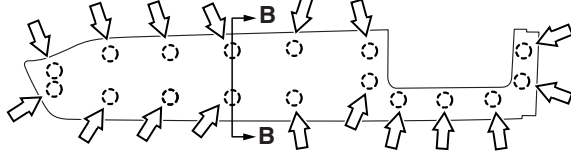
## DISASSEMBLY AND ASSEMBLY

M1521006900241

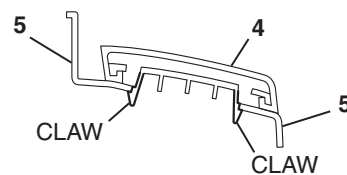
## &lt;FRONT DOOR TRIM&gt;



VIEW A



SECTION B - B



AC901151AB

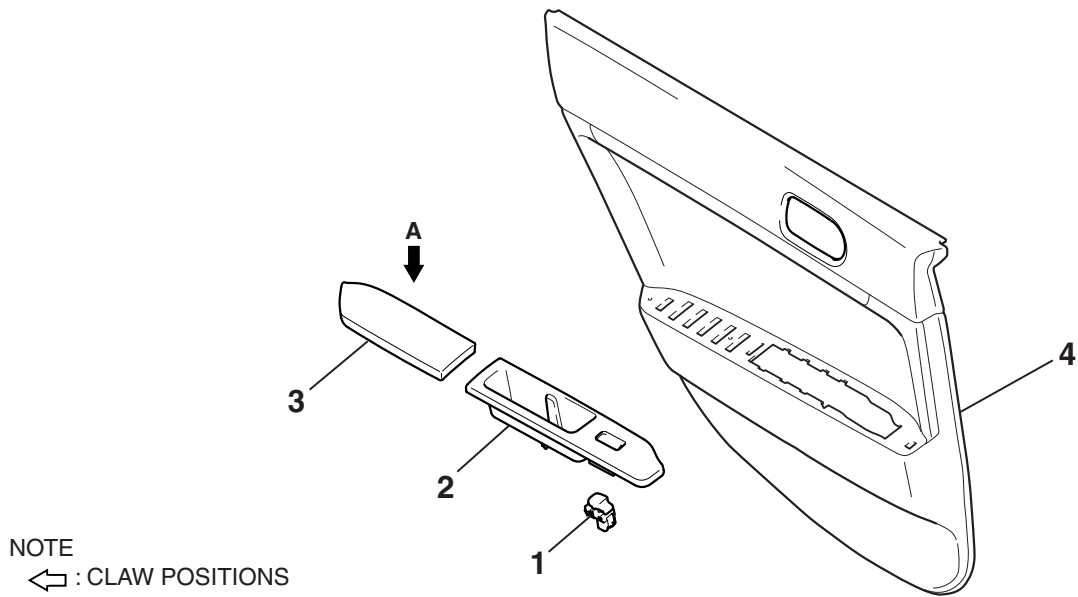
**DISASSEMBLY STEPS**

1. POWER WINDOW SWITCH
2. REMOTE CONTROLLED MIRROR SWITCH

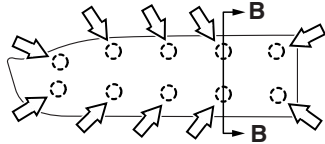
**DISASSEMBLY STEPS**

3. POWER WINDOW SWITCH PANEL
4. ARMREST
5. FRONT DOOR TRIM

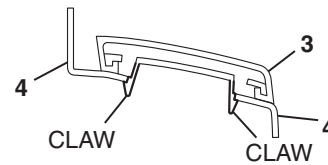
<REAR DOOR TRIM>



VIEW A



SECTION B - B



AC901152AB

**DISASSEMBLY STEPS**

1. POWER WINDOW SUB SWITCH
2. POWER WINDOW SWITCH PANEL

**DISASSEMBLY STEPS**

3. ARMREST
4. REAR DOOR TRIM

## HEADLINING

## REMOVAL AND INSTALLATION

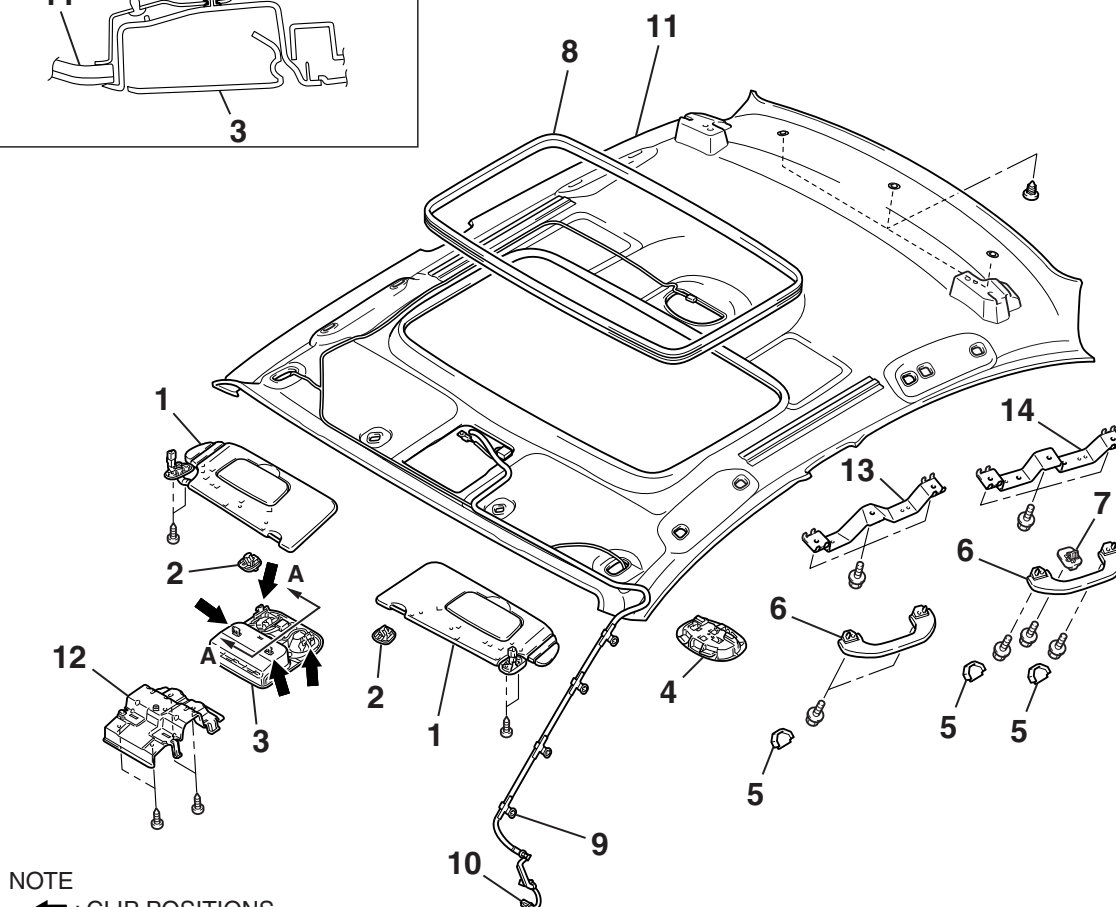
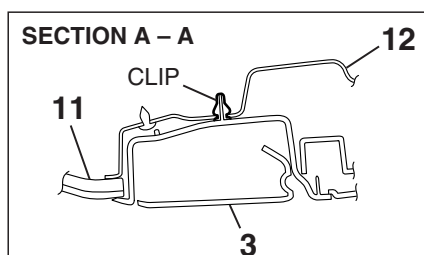
M1521001400843

**⚠ WARNING**

**When removing and installing the front passenger seat, be sure to carry out accuracy check occupant classification sensor after the seat has been installed in the vehicle. (Refer to GROUP 52B, On-Vehicle Service P.52B-422.)**

**Pre-removal and Post-installation Operation**

- Removal and Installation of Front Seat Assembly (Refer to P.52A-33.)
- Removal and Installation of Rear Seat Cushion Assembly and Rear Seatback Assembly (Refer to P.52A-42.)
- Removal and Installation of Front Pillar Trim, Center Pillar Trim Upper and Rear Pillar Trim (Refer to P.52A-22.)



NOTE

← : CLIP POSITIONS

AC601349AB

**REMOVAL STEPS**

1. SUN VISOR
2. SUN VISOR HOLDER
3. OVERHEAD CONSOLE ASSEMBLY

**REMOVAL STEPS (Continued)**

4. DOME LIGHT ASSEMBLY (REFER TO GROUP 54A, DOME LIGHT P.54A-139.)
5. ASSIST GRIP PLUG
6. ASSIST GRIP
7. COAT HANGER

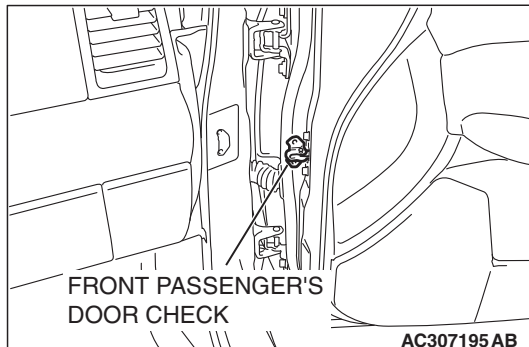
**REMOVAL STEPS (Continued)**

- <<A>>
8. SUNROOF OPENING TRIM  
<VEHICLES WITH SUNROOF>
  9. ROOF HARNESS CLAMP
    - INSTRUMENT PANEL SIDE COVER (REFER TO [P.52A-15.](#))
  10. ROOF HARNESS CONNECTOR
    - FLOOR CONSOLE ASSEMBLY (REFER TO [P.52A-21.](#))
    - PARKING BRAKE LEVER ASSEMBLY MOUNTING BOLT (REFER TO GROUP 36, PARKING BRAKE LEVER [P.36-6.](#))
  11. HEADLINING ASSEMBLY
  12. OVERHEAD CONSOLE BRACKET
  13. ASSIST GRIP BRACKET  
<FRONT>
  14. ASSIST GRIP BRACKET <REAR>

**REMOVAL SERVICE POINT**

**<<A>> HEADLINING ASSEMBLY REMOVAL**

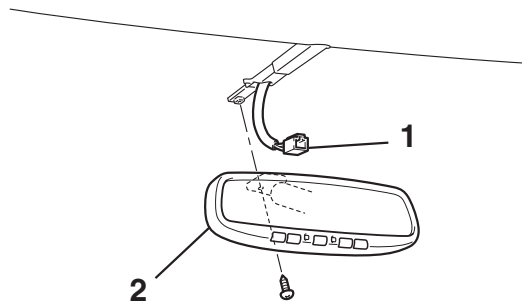
Remove the front passenger's door check (body side mounting bolt), open the front passenger's door and remove the headlining assembly. (Refer to GROUP 42, Door Assembly [P.42-39.](#))



# INSIDE REAR VIEW MIRROR

## REMOVAL AND INSTALLATION

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### REMOVAL STEP

&lt;&lt;A&gt;&gt;

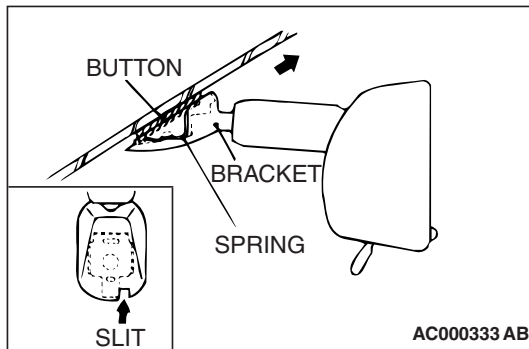
1. HARNESS CONNECTOR <WITH  
AUTOMATIC ANTI-DAZZLING  
MIRROR>
2. INSIDE REAR VIEW MIRROR

### REMOVAL SERVICE POINT

#### <<A>> INSIDE REAR VIEW MIRROR REMOVAL

Insert a narrow flat-tip screwdriver into the slit in the inside rear view mirror bracket, keep the spring pushed in and remove the inside rear view mirror in the direction of the arrow in the illustration.

*NOTE: While the spring is pushed in, the connection between the spring and the pawl of the button is released.*



AC000333 AB



## FRONT SEAT ASSEMBLY

### REMOVAL AND INSTALLATION

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#### **WARNING**

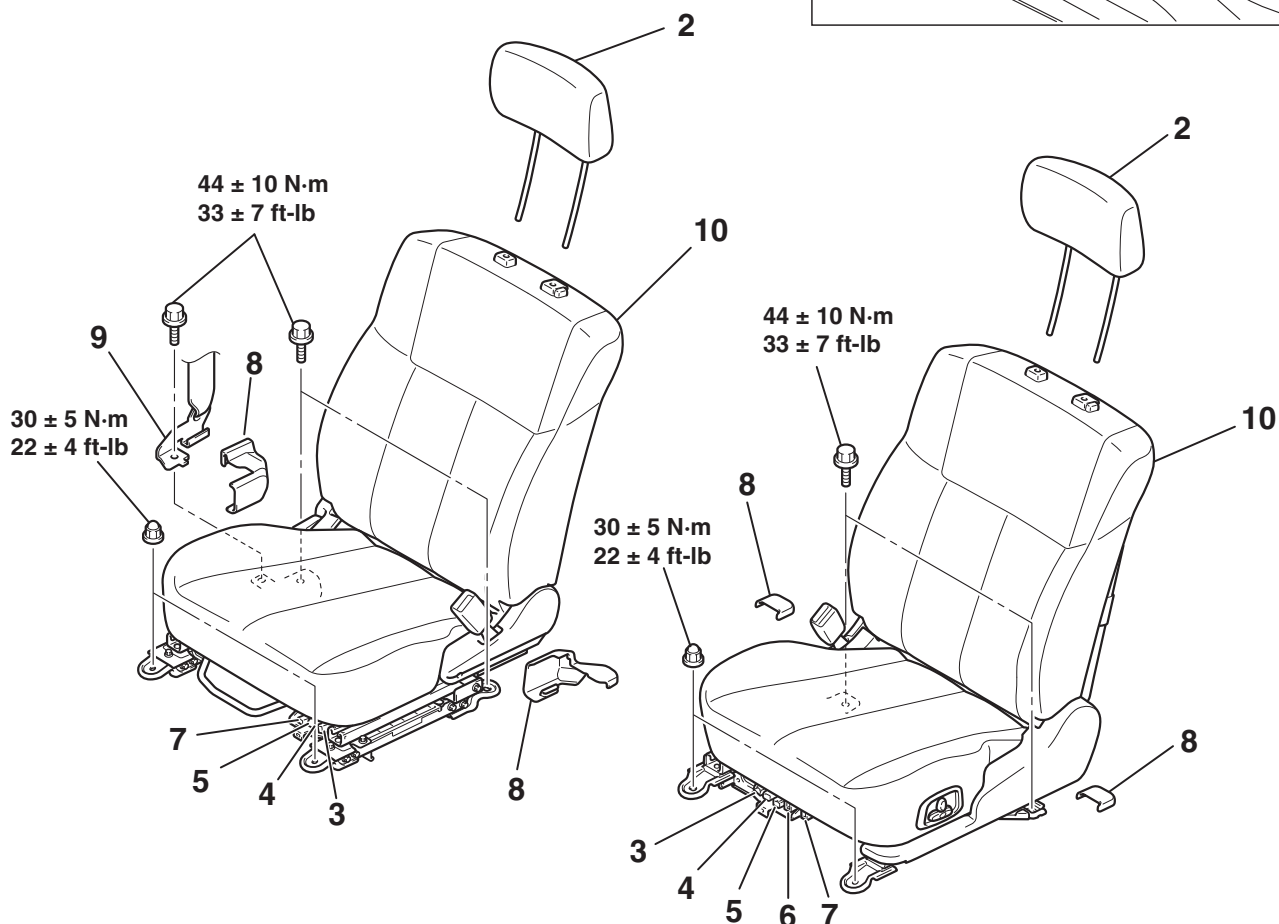
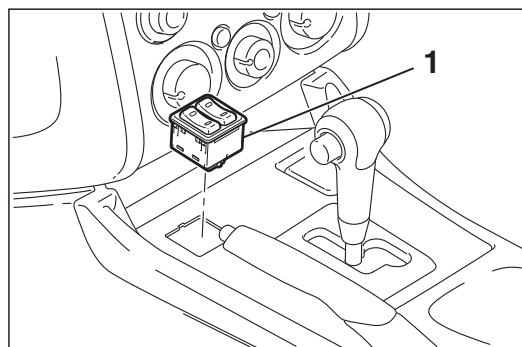
- *Before removing the front seat assembly, refer to GROUP 52B, Service Precautions [P.52B-26](#) and Air Bag Module and Clock Spring [P.52B-435](#).*
- *When removing and installing the front passenger seat, be sure to carry out accuracy check occupant classification sensor after the seat has been installed in the vehicle. (Refer to GROUP 52B, On-vehicle Service [P.52B-422](#).)*

#### **CAUTION**

Do not impact the seat. If the impact (falling etc.) is applied on the seat with occupant classification sensor, the occupant classification sensor transmitting error may be occurred.)

#### **Post-installation Operation**

Adjustment Procedures of Special Function (refer to GROUP 52B, On-vehicle Service [P.52B-422](#).)



AC708286AB

1. HEATED SEAT SWITCH  
<VEHICLES WITH HEATED SEAT>
2. HEADRESTRAINT
- FRONT SEAT ASSEMBLY  
REMOVAL STEPS**
3. SEAT BELT SWITCH  
CONNECTOR
4. SEAT SLIDE SENSOR (DRIVER'S  
SIDE), OCCUPANT  
CLASSIFICATION SENSOR  
(PASSENGER'S SIDE)
5. HEATED SEAT CONNECTOR  
<VEHICLES WITH HEATED  
SEAT>

### FRONT SEAT ASSEMBLY REMOVAL STEPS (Continued)

6. POWER SEAT CONNECTOR  
<VEHICLES WITH POWER SEAT>
7. SIDE-AIR BAG MODULE  
CONNECTOR <VEHICLES WITH  
SIDE-AIR BAG>
8. FRONT SEAT REAR ANCHOR  
COVER
9. OUTER SEAT BELT  
(PASSENGER'S SIDE)
- >>A<< 10. FRONT SEAT ASSEMBLY

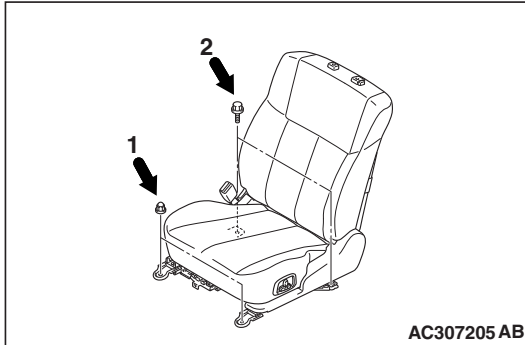
## INSTALLATION SERCIVE POINT

### >>A<< FRONT SEAT ASSEMBLY INSTALLATION

#### CAUTION

Install the front passenger's seat assembly before installing the outer seat belt.

1. Temporarily tighten the nuts in mounting locations shown in the illustration with no weight on the front seat cushion and check the operation of the seat slide.
2. Temporarily tighten the bolts in mounting locations shown in the illustration with no weight on the front seat cushion.
3. Tighten the nuts and bolts in all mounting locations to the specified torque.



AC307205 AB

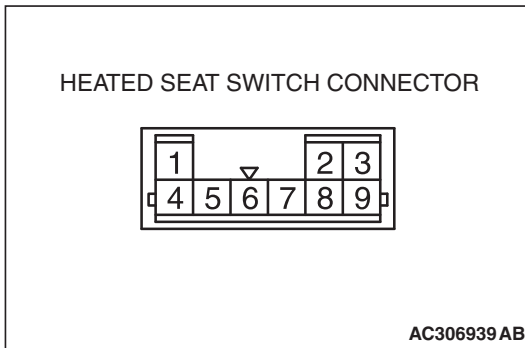
## INSPECTION

M1522005500113

### HEATED SEAT SWITCH CHECK

#### CONTINUITY TEST OF HEATED SEAT SWITCH

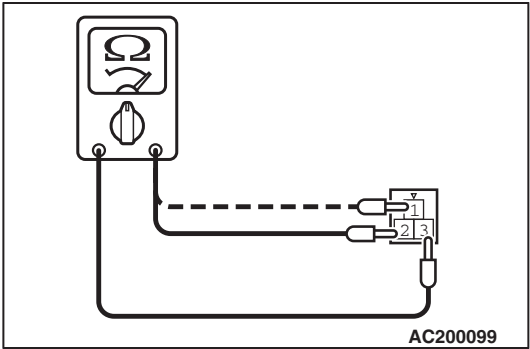
1. Check for continuity between terminals.



AC306939 AB

Item	Switch position	Tester connection	Specified condition
Driver's seat side	HI	1 -3, 1 -5, 1 -8, 3 -5, 3 -8, 5 -8	Less than 2 ohms
	OFF	1 -3, 1 -5, 1 -8, 3 -5, 3 -8, 5 -8	Open circuit
	LO	3 -5, 3 -8, 5 -8	Less than 2 ohms
Front passenger's seat side	HI	4 -5, 4 -8, 4 -9, 5 -8, 5 -9, 8 -9	Less than 2 ohms
	OFF	4 -5, 4 -8, 4 -9, 5 -8, 5 -9, 8 -9	Open circuit
	LO	5 -8, 5 -9, 8 -9	Less than 2 ohms

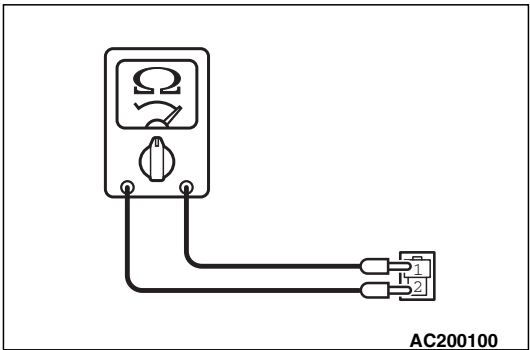
2. Check that the indicator is lighted at HI or LO when battery voltage is supplied to terminal 5 and terminal 8 is grounded.
3. Check that indicator is lighted when battery voltage is supplied to terminals 2 and terminal 6.



**SEAT CUSHION HEATER CHECK**

Measure the resistance between terminals.

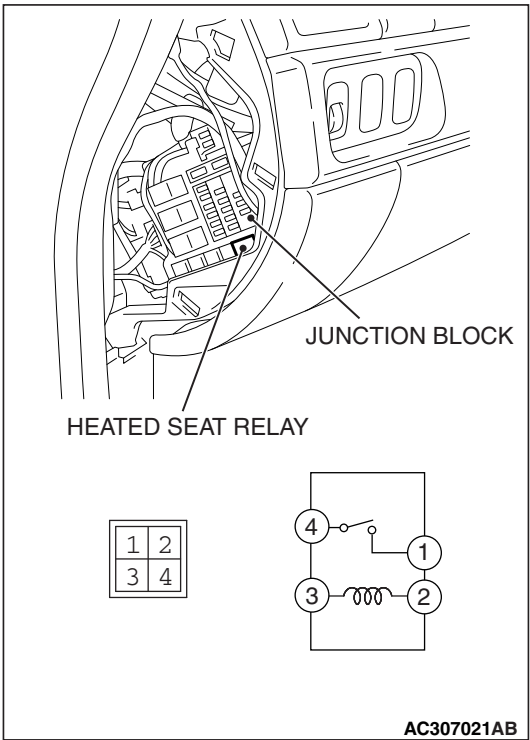
- Standard value: At room temperature 20 ° C (68 ° F)**
- Between terminals 2 and terminal 3: Approximately 4.0 ohms  $\pm$  9%**
- Between terminals 1 and terminal 3: 4.1 ohms  $\pm$  9%**



**SEATBACK HEATER CHECK**

Measure the resistance between terminals.

- Standard value: At room temperature 20 ° C (68 ° F)**
- Approximately 3.6 ohms  $\pm$  9%**

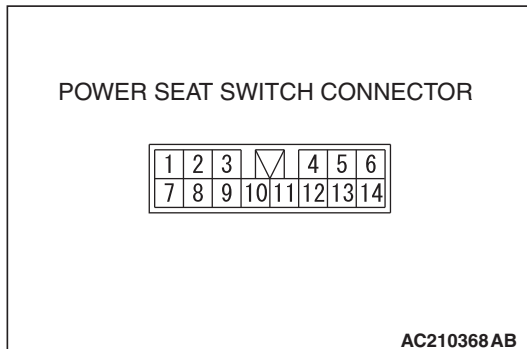


**HEATED SEAT RELAY CONTINUITY CHECK**

1. Remove the instrument lower cover.
2. Remove the junction block mounting and slide the junction block to check the heated seat.

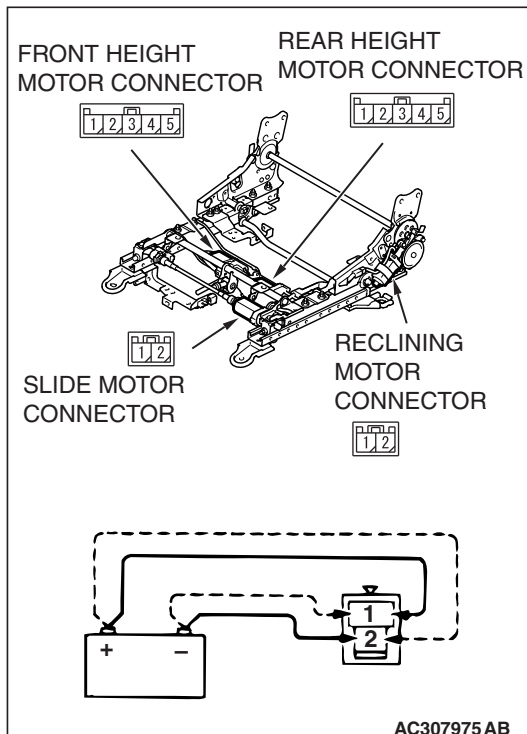
Battery voltage	Tester connection	Specified condition
Not applied	1 –4	Open circuit
<ul style="list-style-type: none"><li>• Connect terminal 3 to the positive battery terminal</li><li>• Connect terminal 2 to the negative battery terminal</li></ul>	1 –4	Less than 2 ohms

## POWER SEAT MANUAL SWITCH CONTINUITY CHECK



Switch position		Tester connection	Specified condition
Reclining switch	FRONT	2 -9, 1 -12	Less than 2 ohms
	REAR	1 -9, 2 -12	Less than 2 ohms
Slide switch	FRONT	1 -5, 2 -6	Less than 2 ohms
	REAR	2 -5, 1 -6	Less than 2 ohms
Front height switch	UP	1 -7, 2 -8	Less than 2 ohms
	DOWN	2 -7, 1 -8	Less than 2 ohms
Rear height switch	UP	2 -13, 1 -14	Less than 2 ohms
	DOWN	1 -13, 2 -14	Less than 2 ohms

## OPERATION CHECK OF POWER SEAT MOTOR

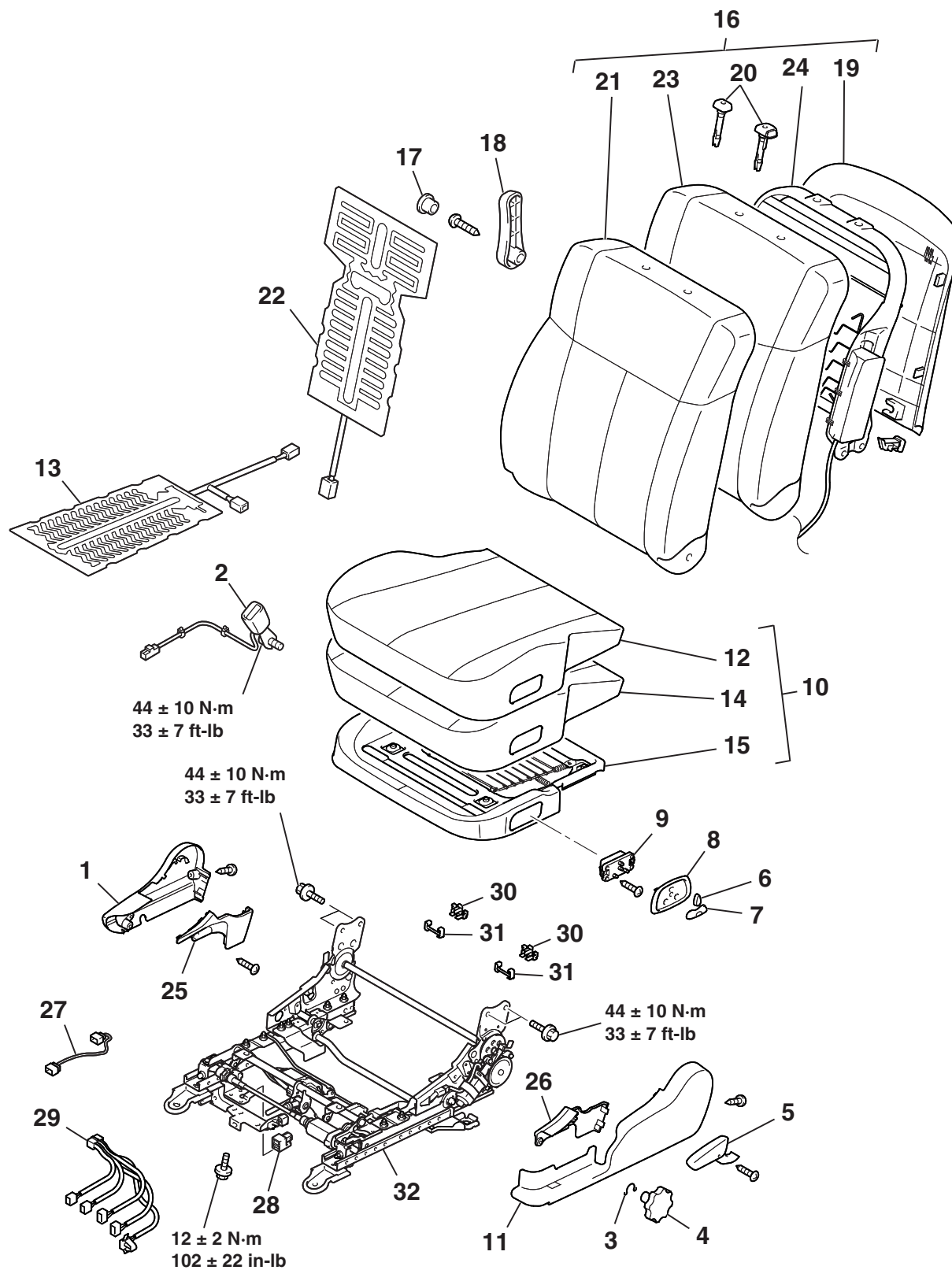


1. Disconnect the connector of each motor.
2. Check that when the battery is directly connected to the motor terminal, the motor turns smoothly and each adjusting mechanism operates as stated below for each motor:
  - (1) Connect the battery power supply to the terminal 1 and ground the terminal 2 for the rear reclining side, front slide side.
  - (2) Connect the battery power supply to the terminal 2 and ground the terminal 1 for the front reclining side, rear slide side.
  - (3) Connect the battery power supply to the terminal 2 and ground the terminal 3 for the front height down side and connect the battery power supply to the terminal 3 and ground the terminal 2 for the front height up side.
  - (4) Connect the battery power supply to the terminal 3 and ground the terminal 4 for the rear height up side and connect the battery power supply to the terminal 4 and ground the terminal 3 for the rear height down side.
3. If abnormality was found, check the power seat slide adjuster.

## DISASSEMBLY AND ASSEMBLY

M1522001501062

&lt;LH SIDE&gt;

**⚠ WARNING***Never attempt to disassemble or repair the seat slide sensor. If faulty, replace it.*

AC601458AB

**DISASSEMBLY STEPS**

1. HINGE COVER
2. INNER SEAT BELT
3. SNAP RING <VEHICLES WITHOUT POWER SEAT>
4. HEIGHT ADJUSTER KNOB  
<VEHICLES WITHOUT POWER SEAT>
5. RECLINING ADJUSTER LEVER <<A>>  
<VEHICLES WITHOUT POWER SEAT>
6. RECLINING KNOB <VEHICLES WITH POWER SEAT>
7. SLIDE ADJUSTER KNOB  
<VEHICLES WITH POWER SEAT>
8. POWER SEAT SWITCH GARNISH  
<VEHICLES WITH POWER SEAT>
9. POWER SEAT SWITCH  
<VEHICLES WITH POWER SEAT>
10. SEAT CUSHION ASSEMBLY
11. SIDE SHIELD COVER
12. SEAT CUSHION COVER
13. SEAT CUSHION HEATER  
<VEHICLES WITH HEATED SEAT>
14. SEAT CUSHION PAD

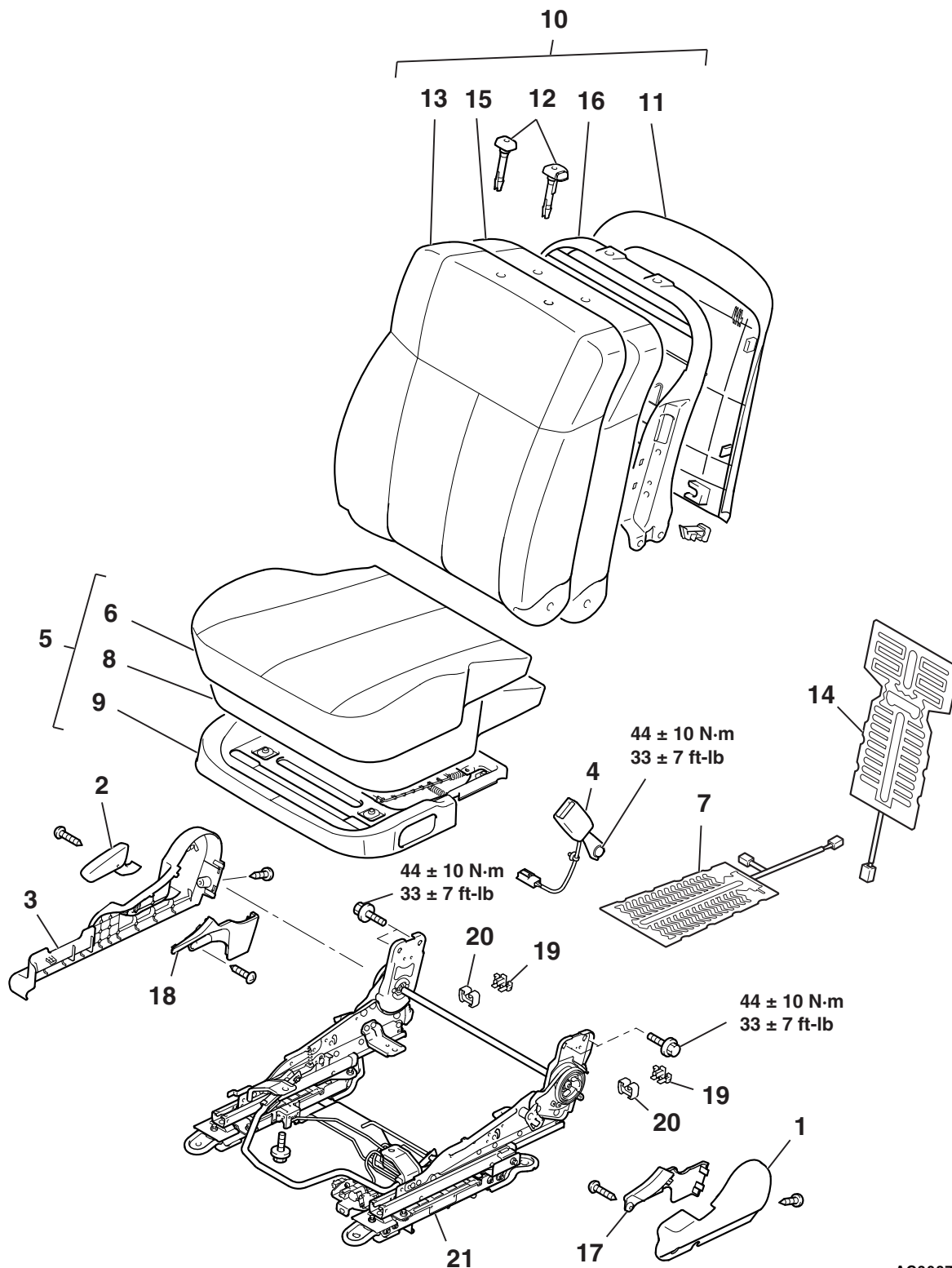
**DISASSEMBLY STEPS**

15. SEAT CUSHION FRAME
16. SEATBACK ASSEMBLY
17. LUMBAR SUPPORT LEVER CAP  
<VEHICLES WITH POWER SEAT>
18. LUMBAR SUPPORT LEVER  
<VEHICLES WITH POWER SEAT>
19. SEATBACK PANEL
20. HEADRESTRAINT GUIDE
21. SEATBACK COVER
22. SEATBACK HEATER <VEHICLES WITH HEATED SEAT>
23. SEATBACK PAD
24. SEATBACK FRAME
25. SIDE SHIELD COVER INNER (RH)
26. SIDE SHIELD COVER INNER (LH)
27. SLIDE SENSOR HARNESS
28. SLIDE SENSOR
29. POWER SEAT HARNESS  
<VEHICLES WITH POWER SEAT>
30. SLIDE ADJUSTER CAP A
31. SLIDE ADJUSTER CAP B
32. SLIDE ADJUSTER

## &lt;RH SIDE&gt;

**⚠ WARNING**

- **Never attempt to disassemble or repair the occupant classification-ECU or the occupant classification sensor. If faulty, replace it.**
- **Do not drop or subject the occupant classification-ECU and occupant classification sensor to impact or vibration. If denting, cracking, deformation, or rust are discovered in the occupant classification-ECU or the occupant classification sensor, replace it with a new occupant classification-ECU or the occupant classification sensor.**





**DISASSEMBLY STEPS**

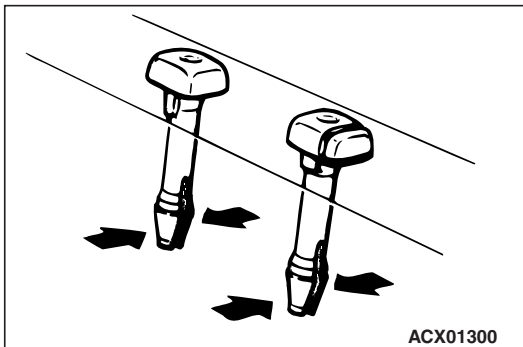
1. HINGE COVER
2. RECLINING ADJUSTER LEVER <<A>>
3. SIDE SHIELD COVER
4. INNER SEAT BELT
5. SEAT CUSHION ASSEMBLY
6. SEAT CUSHION COVER
7. SEAT CUSHION HEATER  
<VEHICLES WITH HEATED  
SEAT>
8. SEAT CUSHION PAD
9. SEAT CUSHION FRAME
10. SEATBACK ASSEMBLY <<B>>

**DISASSEMBLY STEPS**

11. SEATBACK PANEL
12. HEADRESTRAINT GUIDE
13. SEATBACK COVER
14. SEATBACK HEATER <VEHICLES  
WITH HEATED SEAT>
15. SEATBACK PAD
16. SEATBACK FRAME
17. SIDE SHIELD COVER INNER (RH)
18. SIDE SHIELD COVER INNER (LH)
19. SLIDE ADJUSTER CAP A
20. SLIDE ADJUSTER CAP B
21. SLIDE ADJUSTER

**DISASSEMBLY SERVICE POINTS**

**<<A>> HEADRESTRAINT GUIDE DISASSEMBLY**



**<<B>> SLIDE ADJUSTER DISASSEMBLY**

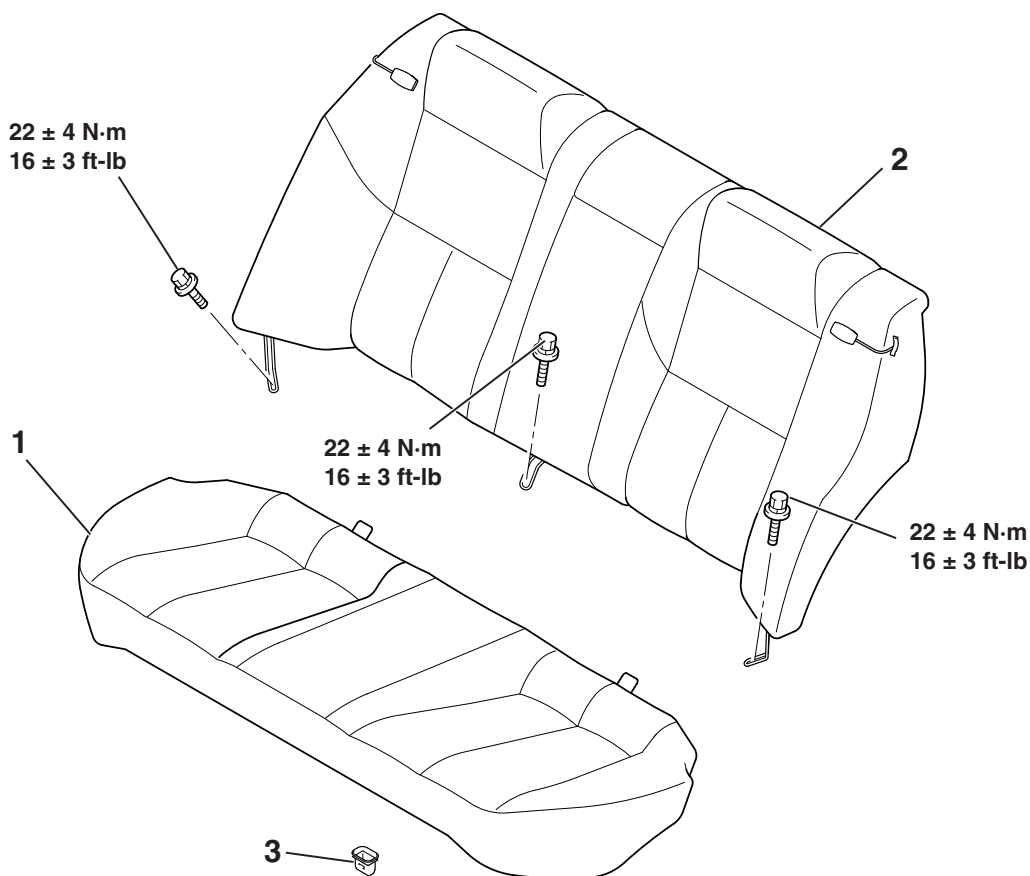
**⚠ WARNING**

*Do not remove the occupant classification-ECU and the occupant classification sensor from the slide adjuster.*

# REAR SEAT ASSEMBLY

## REMOVAL AND INSTALLATION

M1522001800297



AC306948AB

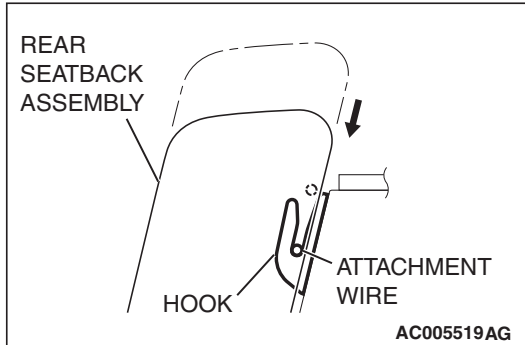
- >>B<< 1. **REMOVAL STEPS**  
REAR SEAT CUSHION  
ASSEMBLY

- >>A<< 2. **REMOVAL STEPS (Continued)**  
REAR SEATBACK ASSEMBLY  
3. REAR SEAT HOOK

## INSTALLATION SERVICE POINTS

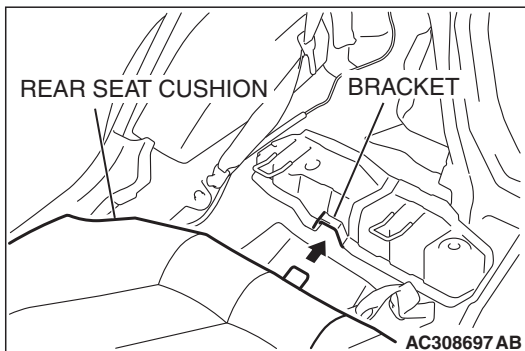
### >>A<< INSTALLATION OF REAR SEATBACK ASSEMBLY

Press the rear seatback assembly in the direction shown in the illustration and fit the attachment wire into the hook securely to install the rear seatback assembly.

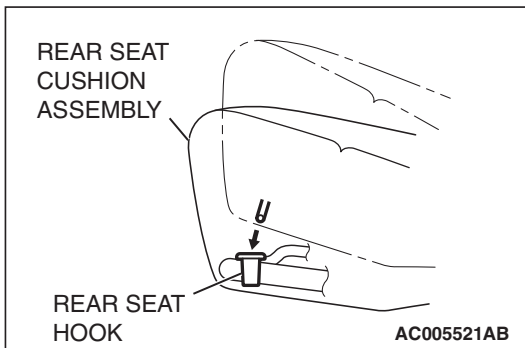


### >>B<< INSTALLATION OF REAR SEAT CUSHION ASSEMBLY

1. Fit the rear seat cushion into the bracket securely.

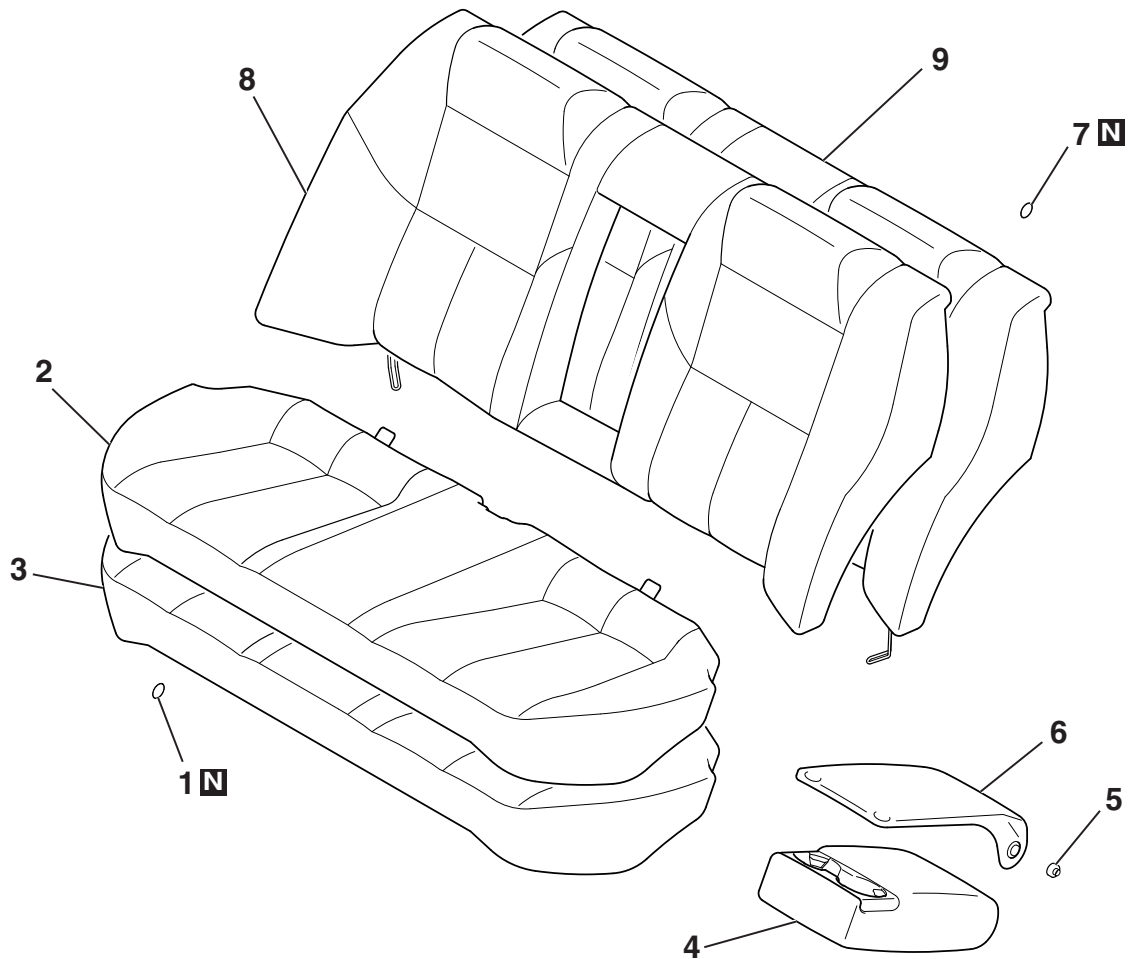


2. Fit the rear seat cushion into the rear seat hook securely.



## DISASSEMBLY AND ASSEMBLY

M1522002000357



AC306949AC

**DISASSEMBLY STEPS**

1. HOG RING
2. SEAT CUSHION COVER
3. SEAT CUSHION PAD
4. ARMREST
5. BUSH

**DISASSEMBLY STEPS**

6. ARMREST PAD
7. HOG RING
8. SEATBACK COVER
9. SEATBACK PAD

# FRONT SEAT BELT

## REMOVAL AND INSTALLATION

M1523001300853

### CAUTION

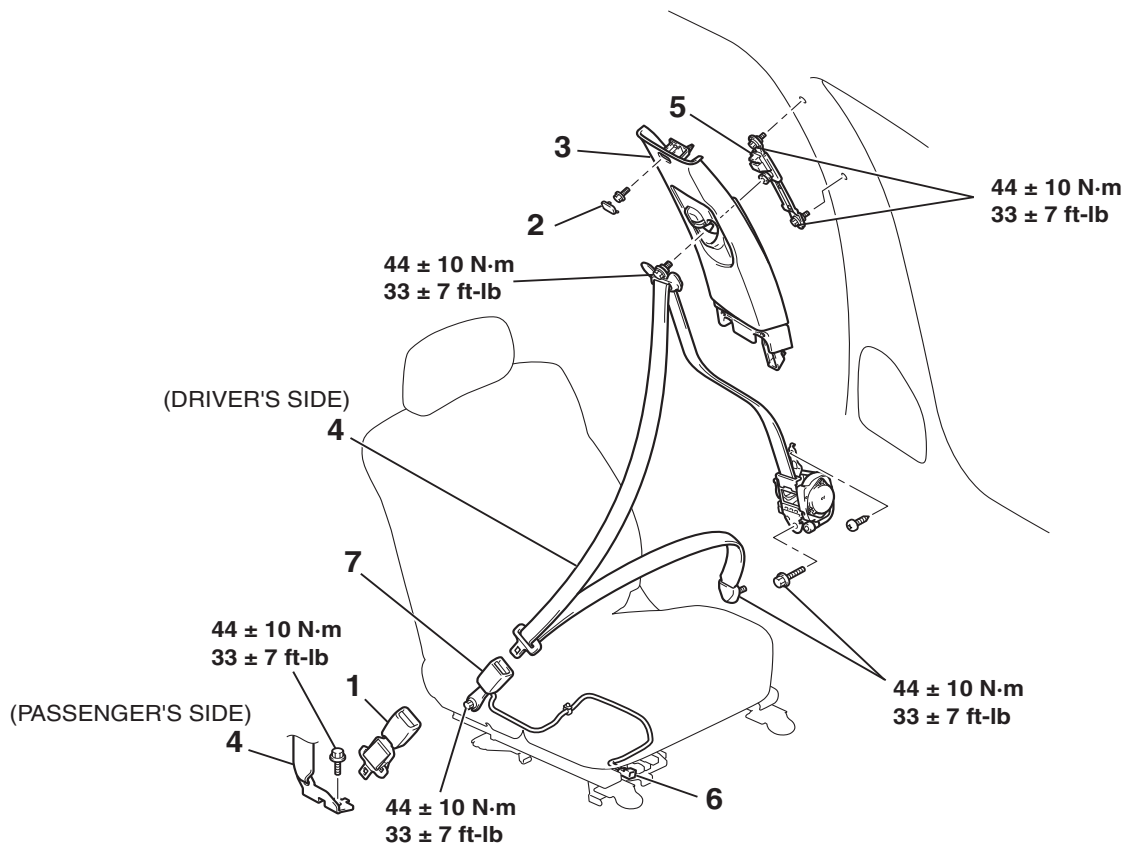
- When removing and installing the inner seat belt, be sure to carry out accuracy check occupant classification sensor after the seat has been installed in the vehicle. (Refer to GROUP 52B, On-vehicle Service [P.52B-422.](#))
- SRS: Before removing and installing the seat belts with pre-tensioner, refer to GROUP 52B, Seat Belt with Pre-tensioner [P.52B-452.](#)

#### Pre-removal Operation

- Turn the ignition key to the LOCK (OFF) position.
- Disconnect the negative battery terminal.

#### Post-installation Operation

- Adjustment Procedures of Special Function (refer to GROUP 52B, On-vehicle Service [P.52B-452.](#))
- Turn the ignition key to the LOCK (OFF) position.
- Disconnect the negative battery terminal.



AC601418AB

1. EXTENDER SEAT BELT ASSEMBLY\*

#### OUTER SEAT BELT REMOVAL STEPS

- CENTER PILLAR TRIM LOWER (REFER TO [P.52A-22.](#))
2. SCREW CAP
  3. CENTER PILLAR TRIM UPPER (REFER TO [P.52A-22.](#))
  4. OUTER SEAT BELT (REFER TO GROUP 52B, SEAT BELTS WITH PRE-TENSIONER [P.52B-452.](#))
  5. ADJUSTABLE SEAT BELT ANCOR

#### INNER SEAT BELT

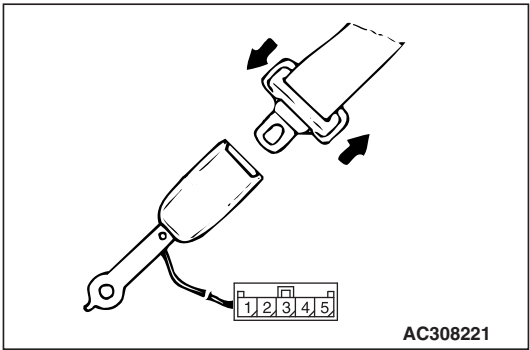
6. SEAT BELT SWITCH CONNECTOR
  - SHIELD COVER (REFER TO [P.52A-38.](#))
7. INNER SEAT BELT

NOTE: \* If so equipped

INSPECTION

M1523004400116

SEAT BELT SWITCH CONTINUITY CHECK

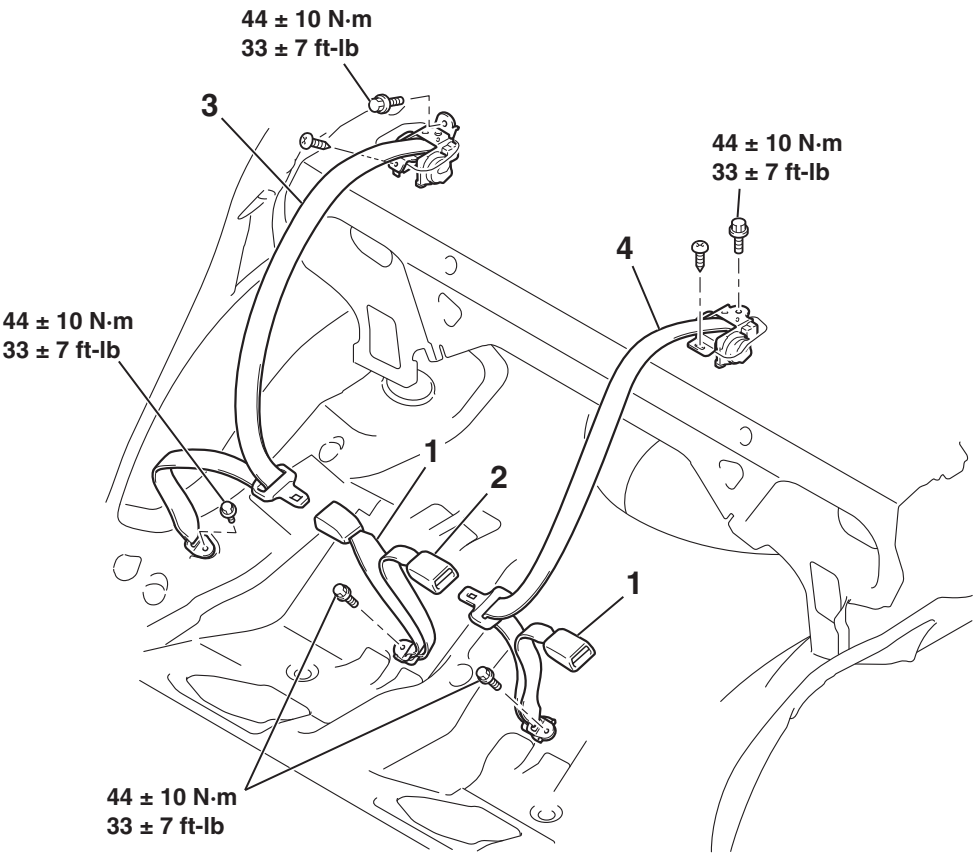


Item	Tester connection	Specified condition
Fastened seat belt	1 -2	Open circuit
Unfastened seat belt	1 -2	Less than 2 ohms

REAR SEAT BELT

REMOVAL AND INSTALLATION

M1523001600371



AC307024 AB

REMOVAL STEPS

- REAR SEAT CUSHION ASSEMBLY (REFER TO [P.52A-42.](#))
- 1. INNER SEAT BELT
- 2. CENTER SEAT BELT INNER

REMOVAL STEPS (Continued)

- REAR SHELF TRIM (REFER TO [P.52A-22.](#))
- 3. OUTER SEAT BELT
- 4. CENTER SEAT BELT OUTER

## SPECIFICATIONS

### FASTENER TIGHTENING SPECIFICATIONS

M1521004100227

Item	Specification
<b>Front seat</b>	
Front seatback assembly bolt	44 ± 10 N· m (33 ± 7 ft-lb)
Front seat cushion assembly bolt	12 ± 2 N· m (102 ± 22 in-lb)
Front seat bolt	44 ± 10 N· m (33 ± 7 ft-lb)
Front seat nut	30 ± 5 N· m (22 ± 4 ft-lb)
<b>Rear seat</b>	
Seatback assembly bolt	22 ± 4 N· m (16 ± 3 ft-lb)
<b>Front seat belt</b>	
Adjustable seat belt anchor bolt	44 ± 10 N· m (33 ± 7 ft-lb)
Inner seat belt bolt	44 ± 10 N· m (33 ± 7 ft-lb)
Outer seat belt bolt	44 ± 10 N· m (33 ± 7 ft-lb)
<b>Rear seat belt</b>	
Center seat belt outer and inner seat belt bolt	44 ± 10 N· m (33 ± 7 ft-lb)
Inner seat belt bolt	44 ± 10 N· m (33 ± 7 ft-lb)
Seat belt shoulder anchor bolt	44 ± 10 N· m (33 ± 7 ft-lb)
Seat belt lower anchor bolt	44 ± 10 N· m (33 ± 7 ft-lb)

### SERVICE SPECIFICATIONS

M1521000300070

Item	Measured terminals	Standard value
Seat cushion heater [at room temperature 20° C (68° F)]	2 -3	Approximately 4.0 ohms ± 9 %
	1 -3	Approximately 4.1 ohms ± 9 %
Seatback heater [at room temperature 20° C (68° F)]	1 -2	Approximately 3.6 ohms ± 9 %

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## NOTES