

GROUP 52A

INTERIOR

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GENERAL DESCRIPTION

M1521000100184

OPERATION

Seat belt warning system

If the driver turns 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-119](#).

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.

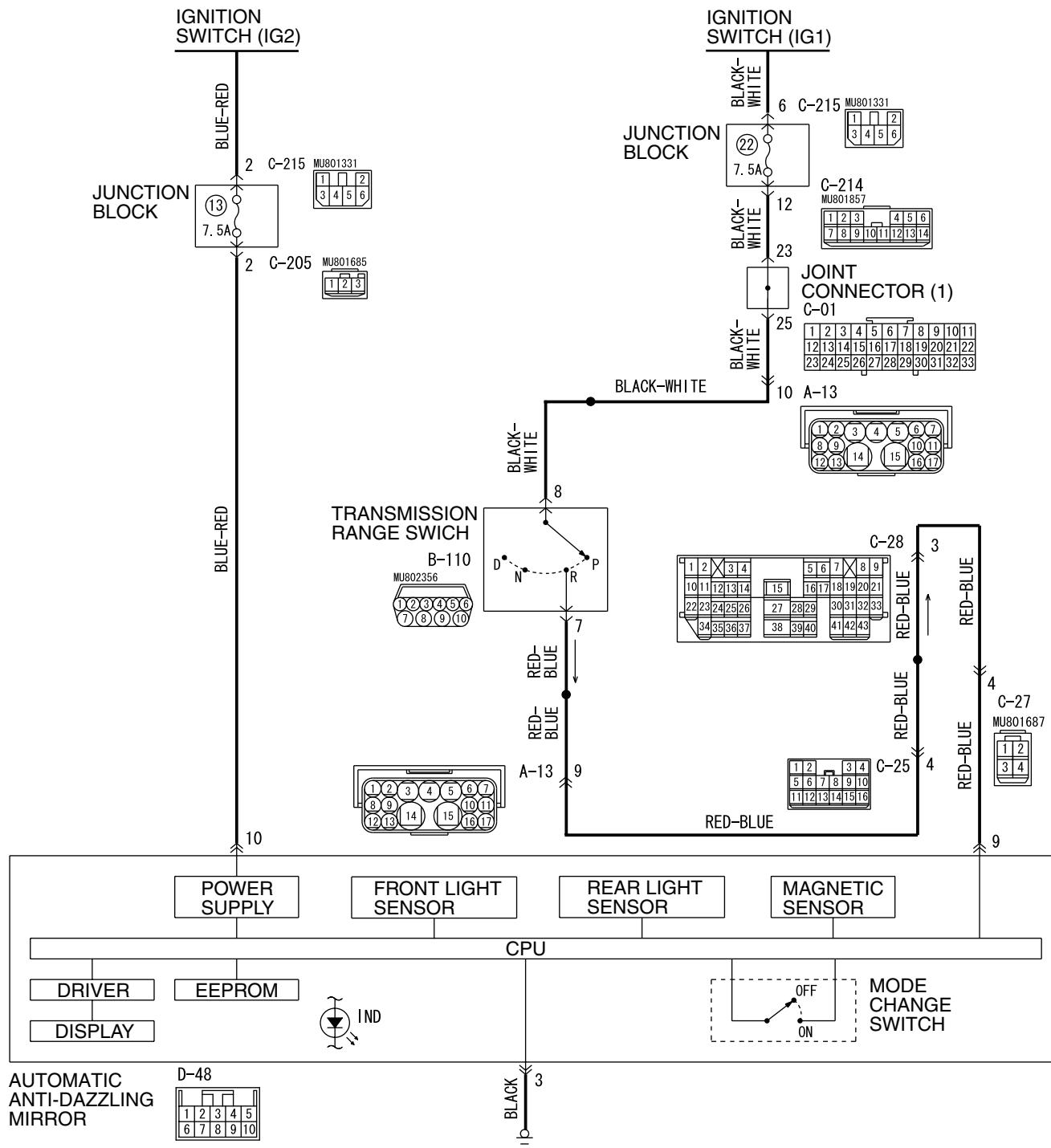
1. Gather information from the customer.

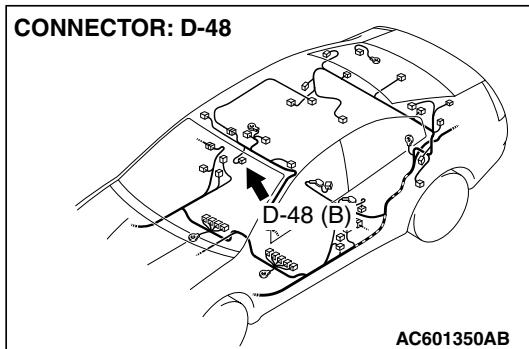
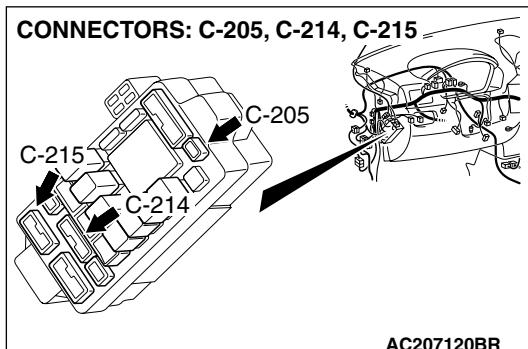
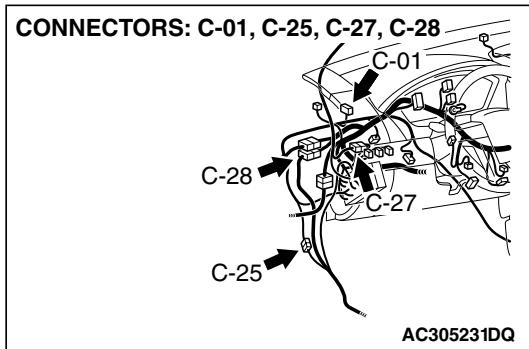
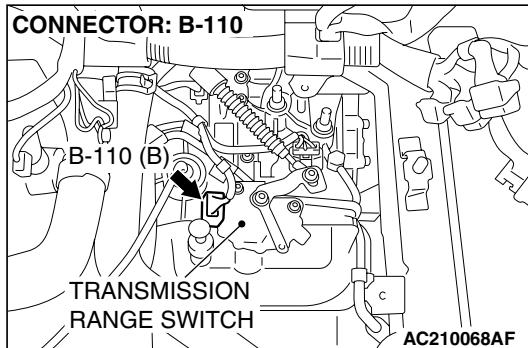
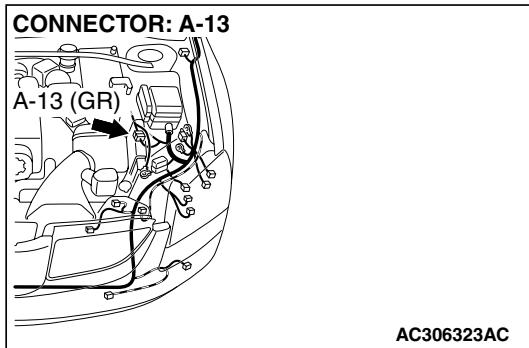
2. Verify that the condition described by the customer exists.
3. Find the malfunction by following the Symptom procedure.
4. Verify malfunction is eliminated.

SYMPTOM PROCEDURES

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

Automatic Anti-Dazzling Mirror Circuit





FUNCTION

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

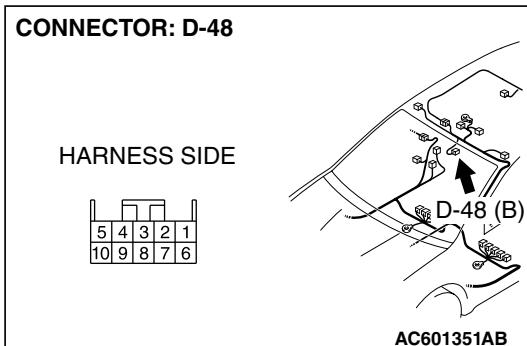
TROUBLESHOOTING HINTS

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

DIAGNOSIS

Required Special Tools:

- MB991223: Harness Set
- MB992006: Extra Fine Probe

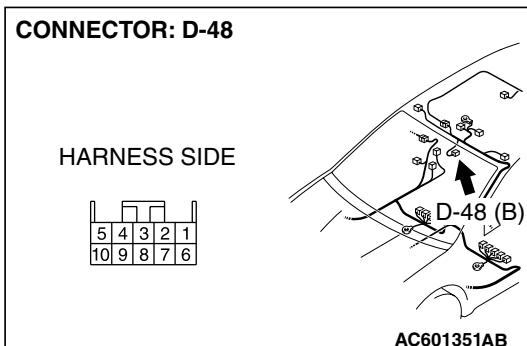


STEP 1. Check inside rear view mirror assembly connector D-48 for loose, corroded or damaged terminals, or terminals pushed back in the connector.

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

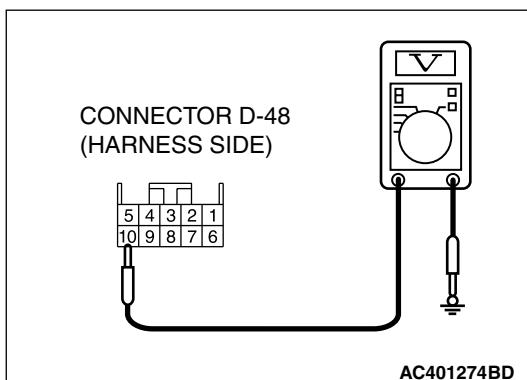
YES : Go to Step 2.

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.

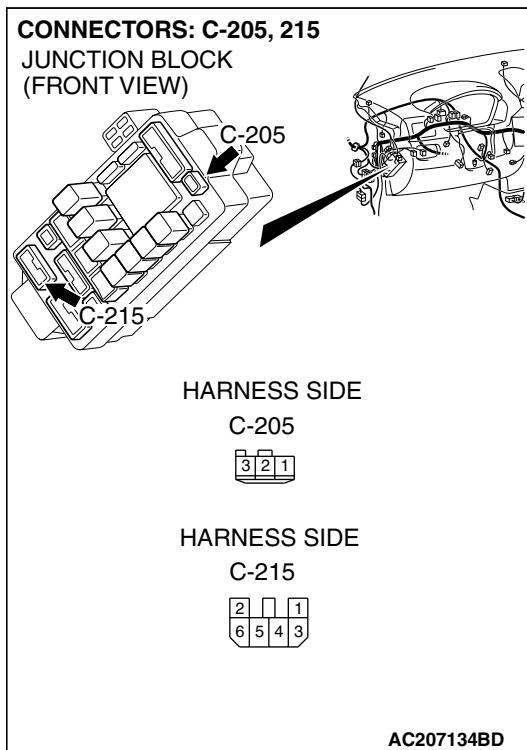
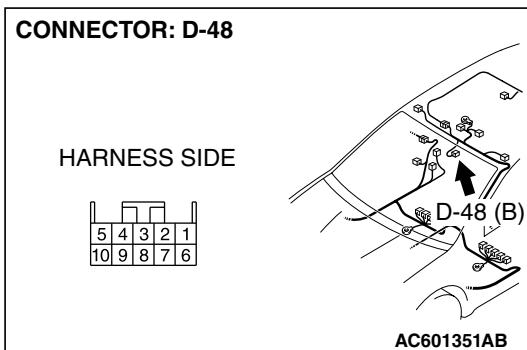
- The measured value should be approximately 12 volts (battery positive voltage).

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).

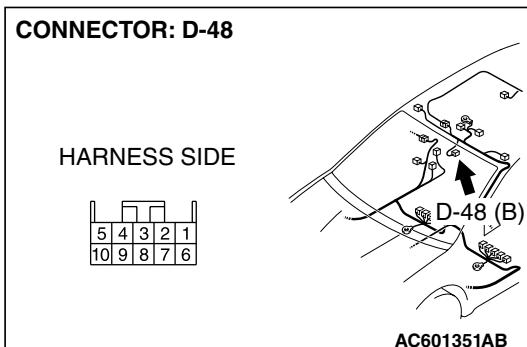
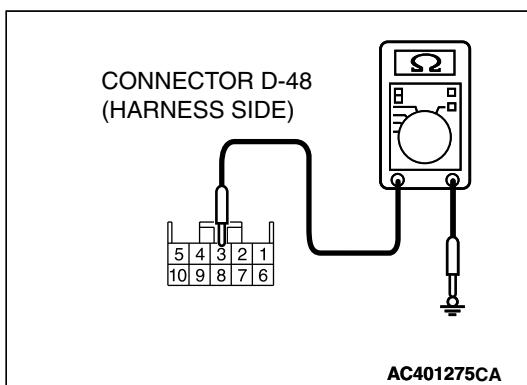
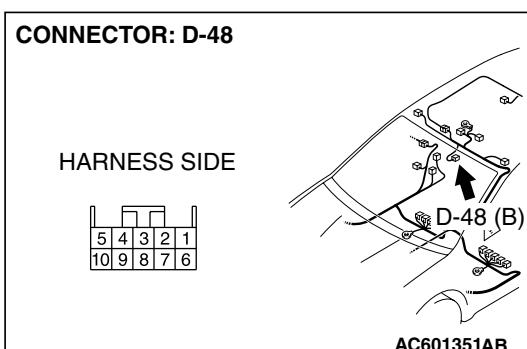


NOTE: Also check junction block connector C-205 and C-215 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If junction block connector C-205 and C-215 is damaged, repair or replace the connector as described in GROUP 00E, Harness Connector Inspection [P.00E-2](#).

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.



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?

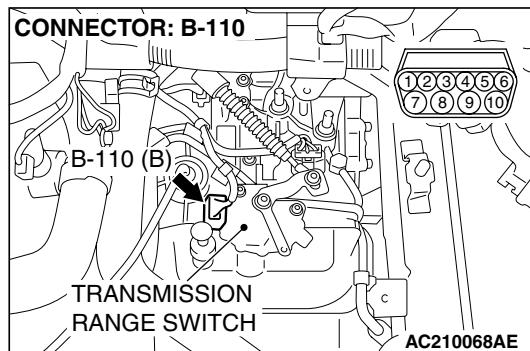
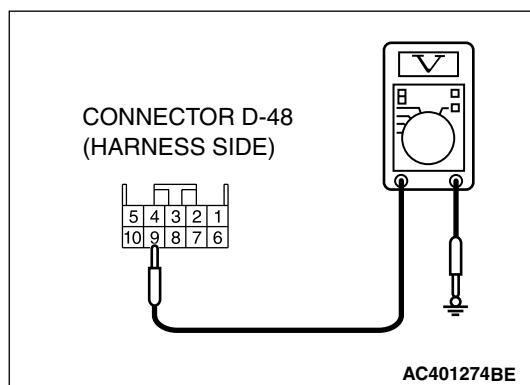
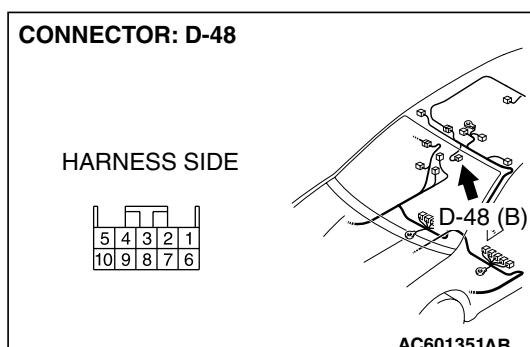
YES : Go to Step 6.
NO : Go to Step 5.

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.

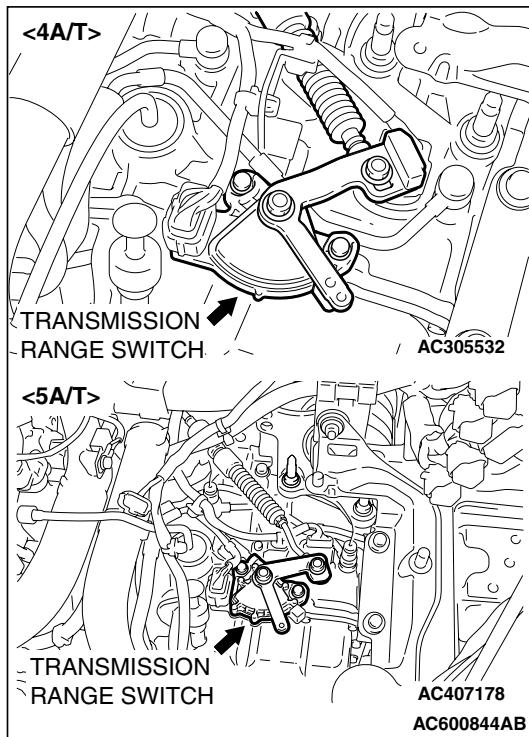
STEP 7. Check transmission range switch connector B-110 for loose, corroded or damaged terminals, or terminals pushed back in the connector.

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.

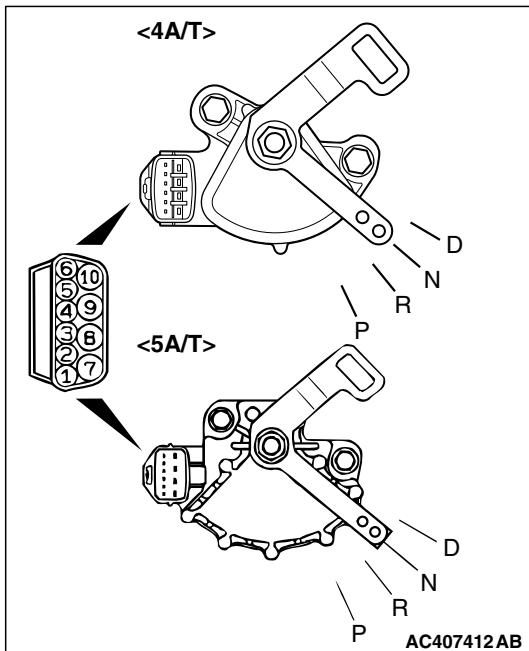


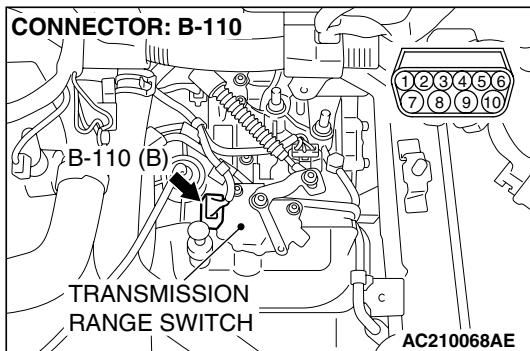
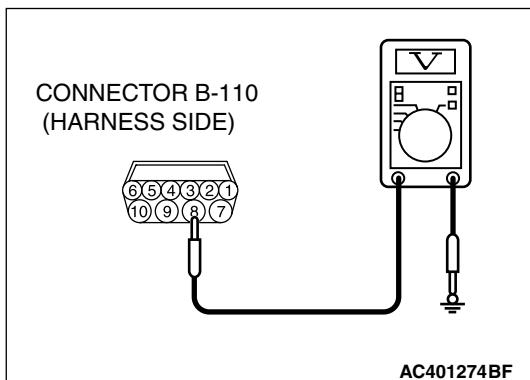
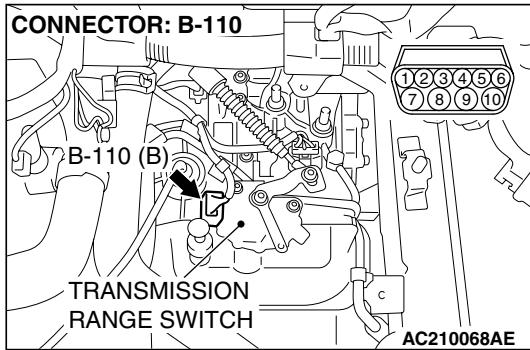
| TRANSMISSION RANGE | TERMINAL CONNECTION OF TESTER | SPECIFIED CONDITION |
|--------------------|-------------------------------|---------------------|
| P | 3 – 8, 9 – 10 | Less than 2 ohms. |
| R | 7 – 8 | |
| N | 4 – 8, 9 – 10 | |
| D | 1 – 8 | |

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.

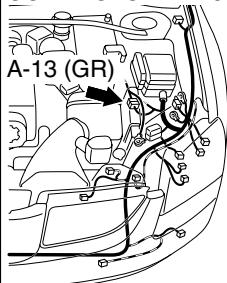
- The voltage should equal approximately 12 volts (battery positive voltage).

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

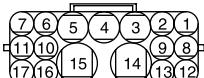
YES : Go to Step 11.
NO : Go to Step 10.

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

CONNECTOR: A-13

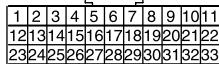
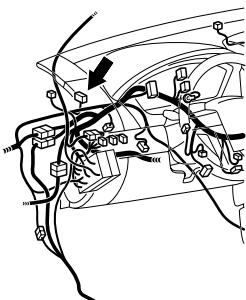


HARNESS SIDE



AC306323AE

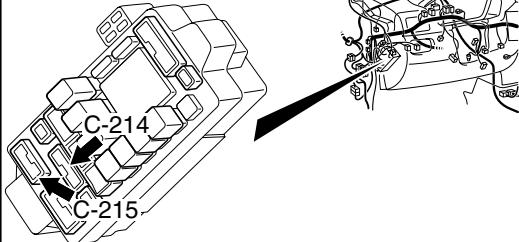
CONNECTOR: C-01



AC305231DR

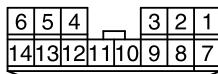
CONNECTORS: C-214, 215

JUNCTION BLOCK
(FRONT VIEW)



HARNESS SIDE

C-214



HARNESS SIDE

C-215



AC207134BE

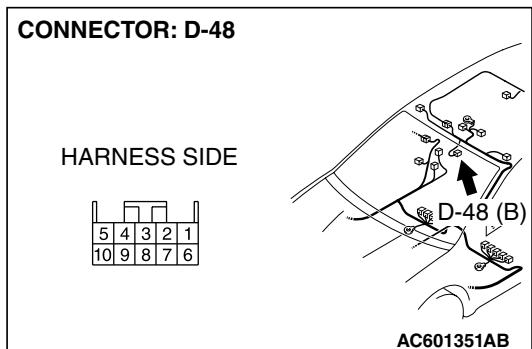
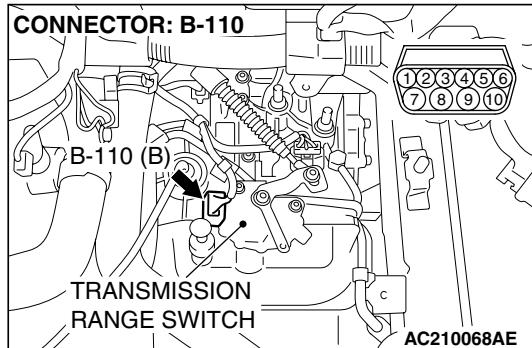
NOTE: Also check junction block connectors C-214, C-215, joint connector C-01, intermediate connector A-13 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If junction block connectors C-214, C-215, joint connector C-01, intermediate connector A-13 are damaged, Repair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

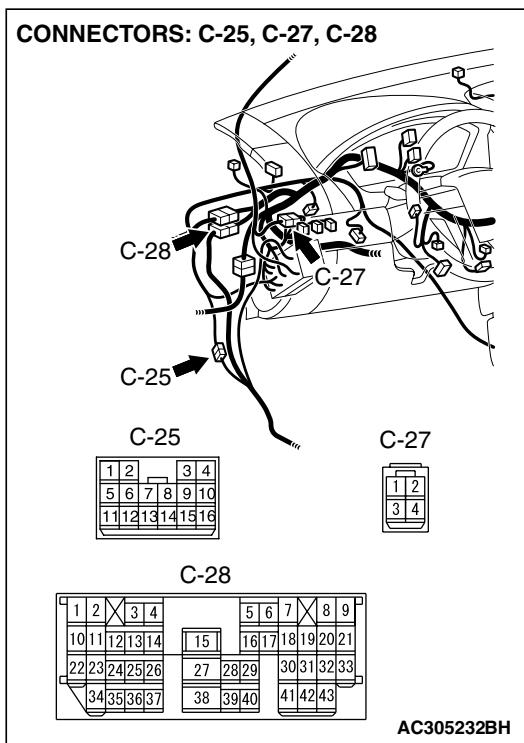
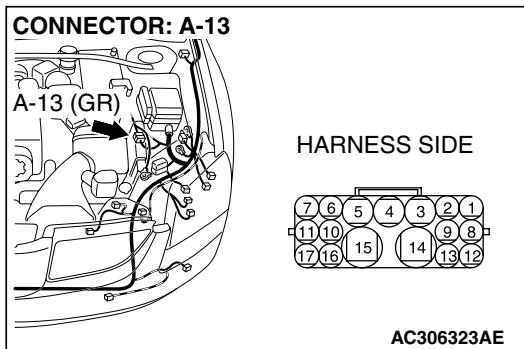
Q: Is the wiring harness between transmission range switch connector B-110 (terminal 8) and the ignition switch (IG1) in good condition?

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.

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-13](#).

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](#).

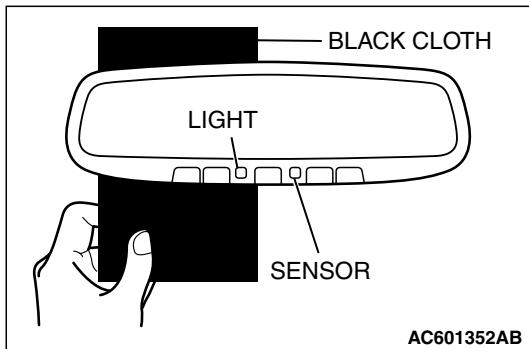
NO : Replace the inside rear view mirror assembly.

ON-VEHICLE SERVICE

AUTO-DIMMING FEATURE TEST

M1524012500070

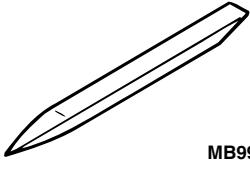
1. Be sure the ignition is on and that the mirror is on. The green LED light to the right of the main display switch will be lit when the mirror is on. If it's not, depress the "TEMP" side of the main display switch for 15 seconds.



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. |

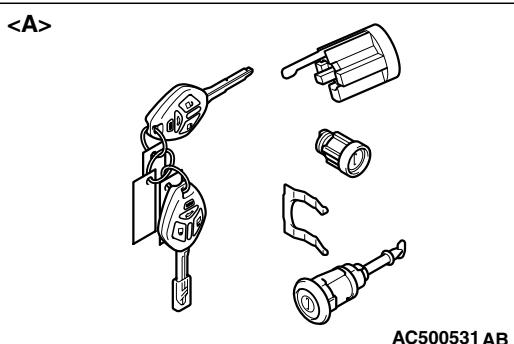
INSTRUMENT PANEL ASSEMBLY

REMOVAL AND INSTALLATION

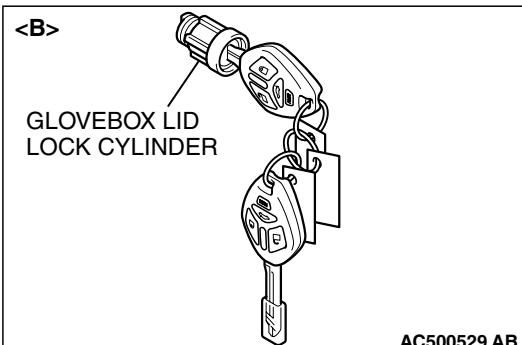
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⚠ CAUTION

- Refer to GROUP 52B, SRS Service Precautions [P.52B-29](#) and Air bag Module and Clock Spring [P.52B-408](#) 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.

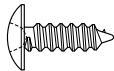
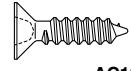
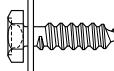
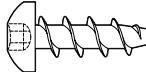
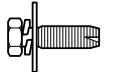


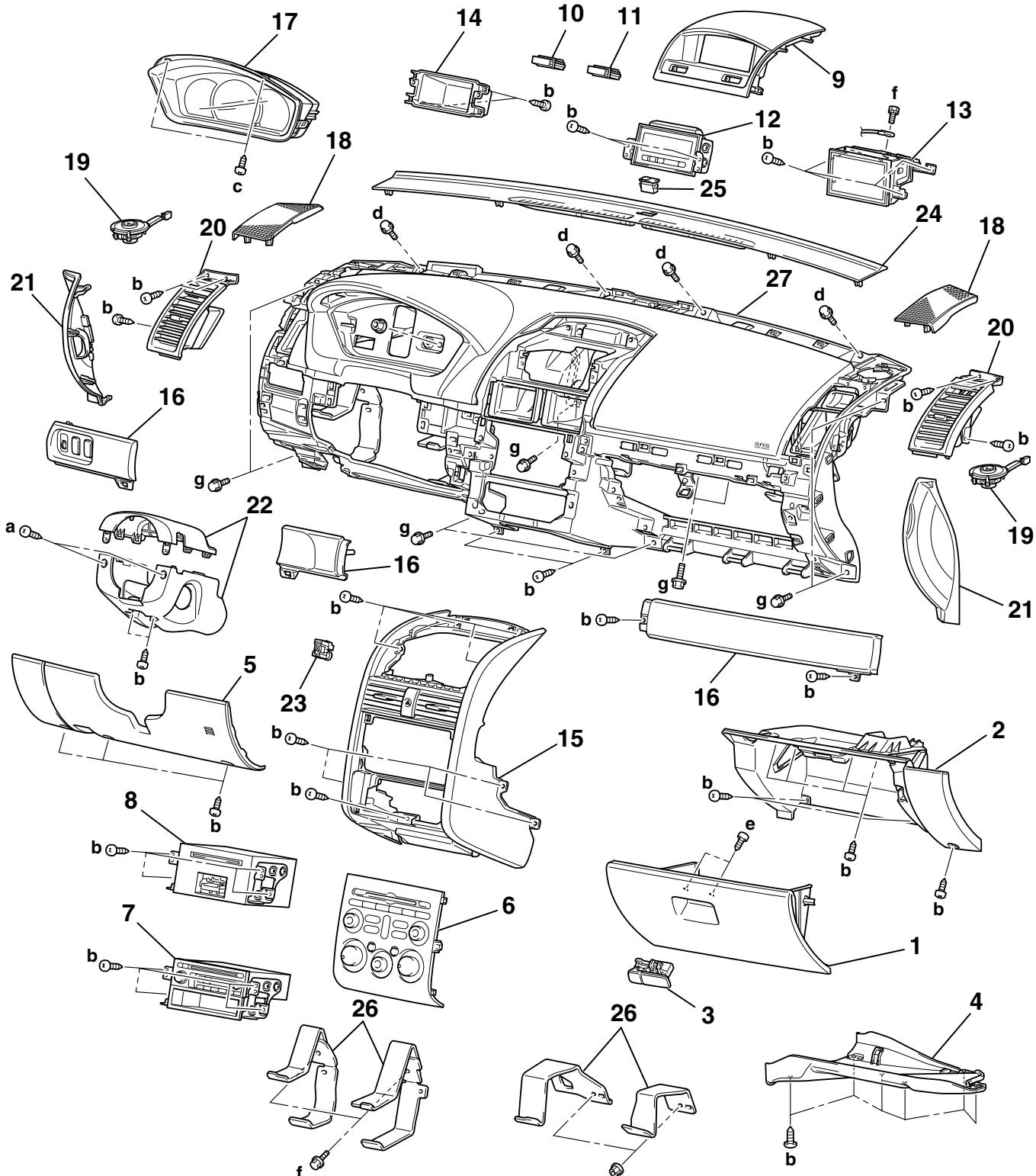
- When the glove box lid lock cylinder is replaced by key set of illustration <A>, register the encrypted code with the bar code on the ignition key in the key set. Refer to GROUP 54A, Encrypted Code Registration Criteria Table [P.54A-11](#).



- When replacing by the glove box lid lock cylinder of illustration , do not register the encrypted code with the bar code on the ignition key supplied simultaneously.

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.42-7.)
- 4. INSTRUMENT PANEL UNDER PASSENGER SIDE COVER
- 5. INSTRUMEN LOWER PANEL

REMOVAL STEPS (Continued)

6. INSTRUMENT CENTER PANEL ASSEMBLY
7. RADIO AND CD PLAYER, ACCESSORY BOX ASSEMBLY
8. RADIO, CD PLAYER AND CD CHANGER ASSEMBLY
9. CONSOLE METER HOOD
10. PASSENGER'S AIR BAG OFF INDICATOR LIGHT
11. PASSENGER'S SEAT BELT WARNING LIGHT
12. MULTI-CENTER DISPLAY ASSEMBLY <VEHICLES WITH MULTI-CENTER DISPLAY>
13. MULTI DISPLAY UNIT <VEHICLES WITH MITSUBISHI MULTI-COMMUNICATION SYSTEM>
14. INSTRUMENT PANEL CLOCK HOLE BOX <VEHICLES WITHOUT MULTI-CENTER DISPLAY OR MITSUBISHI MULTI-COMMUNICATION SYSTEM>
15. CENTER CONSOLE ASSEMBLY
16. INSTRUMENT PANEL GARNISH
17. COMBINATION METER ASSEMBLY
 - FRONT PILLAR TRIM (REFER TO [P.52A-23.](#))
18. FRONT SPEAKER GARNISH
19. TWEETER
20. INSTRUMENT PANEL SIDE COVER
21. INSTRUMENT PANEL SIDE AIR OUTLET
 - AIR BAG MODULE ASSEMBLY <DRIVER'S> (REFER TO GROUP 52B, AIR BAG MODULE AND CLOCK SPRING [P.52B-408.](#))
 - STEERING WHEEL ASSEMBLY (REFER TO GROUP 37, STEERING WHEEL [P.37-24.](#))
22. STEERING COLUMN COVER
 - CLOCK SPRING CONNECTOR
 - COLUMN SWITCH CONNECTOR
 - CLOCK SPRING AND COLUMN SWITCH ASSEMBLY (REFER TO GROUP 37, STEERING COLUMN SHAFT [P.37-26.](#))
23. INTERIOR TEMPERATURE SENSOR <VEHICLES WITH AUTOMATIC AIR CONDITIONING> (GROUP 55B, SENSORS [P.55B-27.](#))
24. INSTRUMENT PANEL FRONT END GARNISH

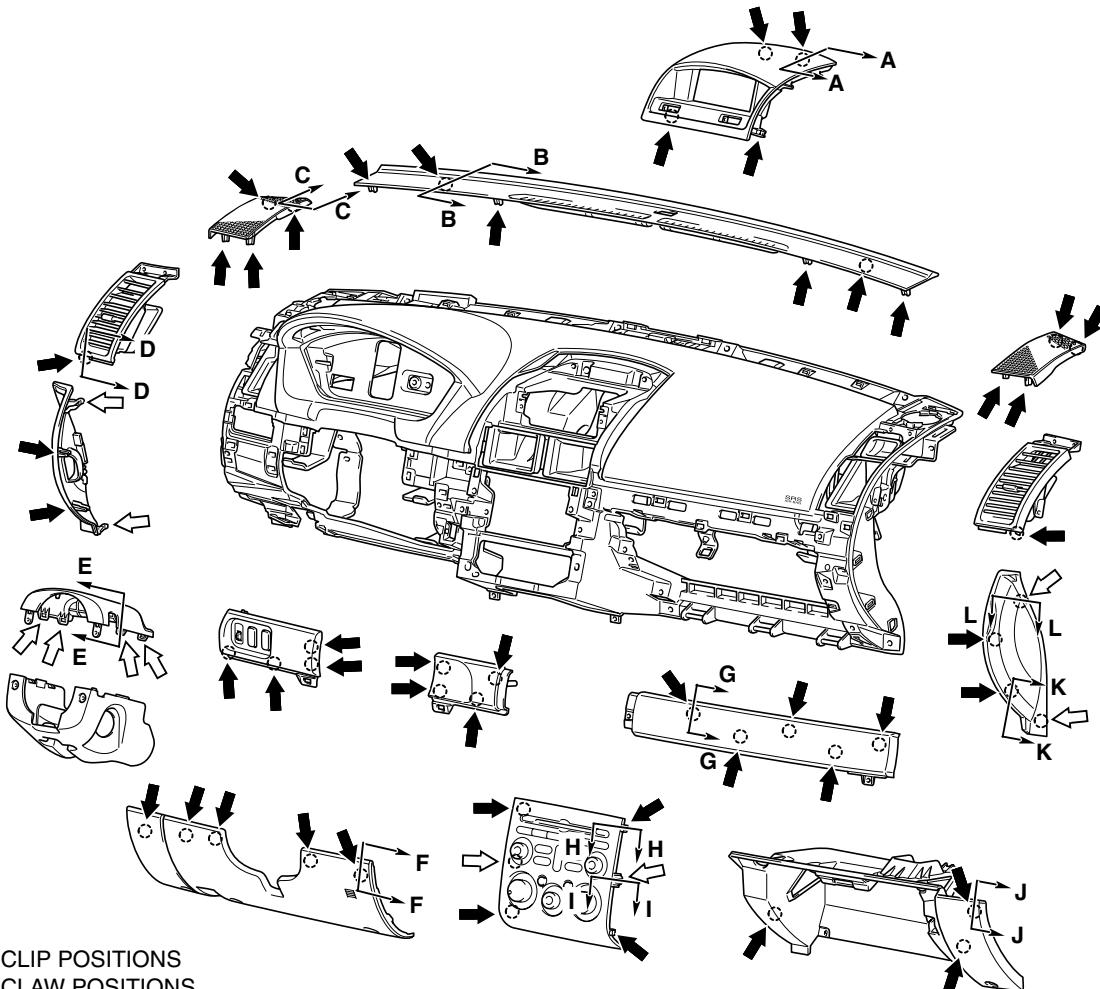
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REMOVAL STEPS (Continued)

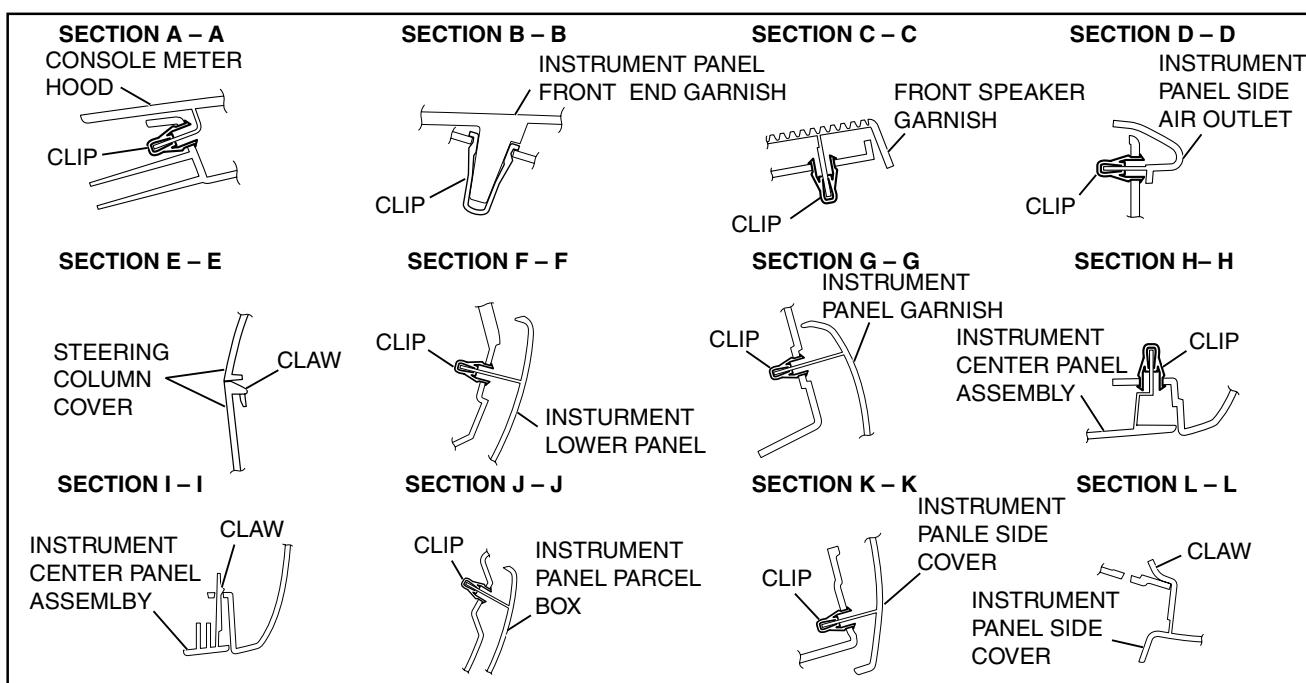
25. PHOTO SENSOR <VEHICLES WITH AUTOMATIC AIR CONDITIONING> (GROUP 55B, SENSORS [P.55B-27.](#))
26. STAY
 - FLOOR CONSOLE ASSEMBLY (REFER TO [P.52A-22.](#))
 - COWL SIDE TRIM (REFER TO [P.52A-23.](#))
 - AIR BAG MODULE CONNECTOR <PASSENGER'S (FRONT)> (REFER TO GROUP 52B, AIR BAG MODULE AND CLOCK SPRING [P.52B-408.](#))
27. INSTRUMENT PANEL ASSEMBLY

CLIP AND CLAW POSITIONS



NOTE

(1) ← : CLIP POSITIONS
(2) ↗ : CLAW POSITIONS



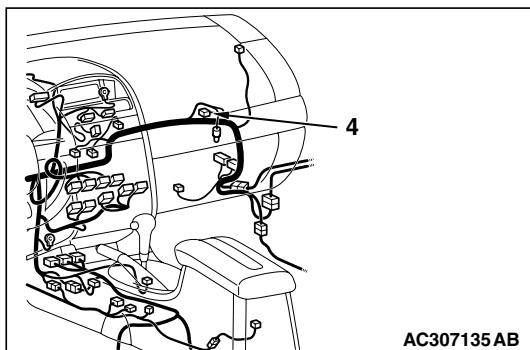
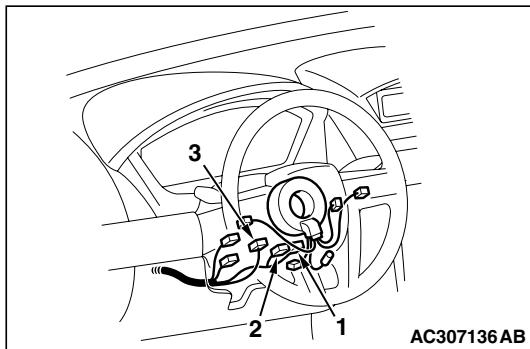
AC504255AC

REMOVAL SERVICE POINT

<<A>> CONNECTOR DISCONNECTION

Disconnect the connectors shown in the illustration.

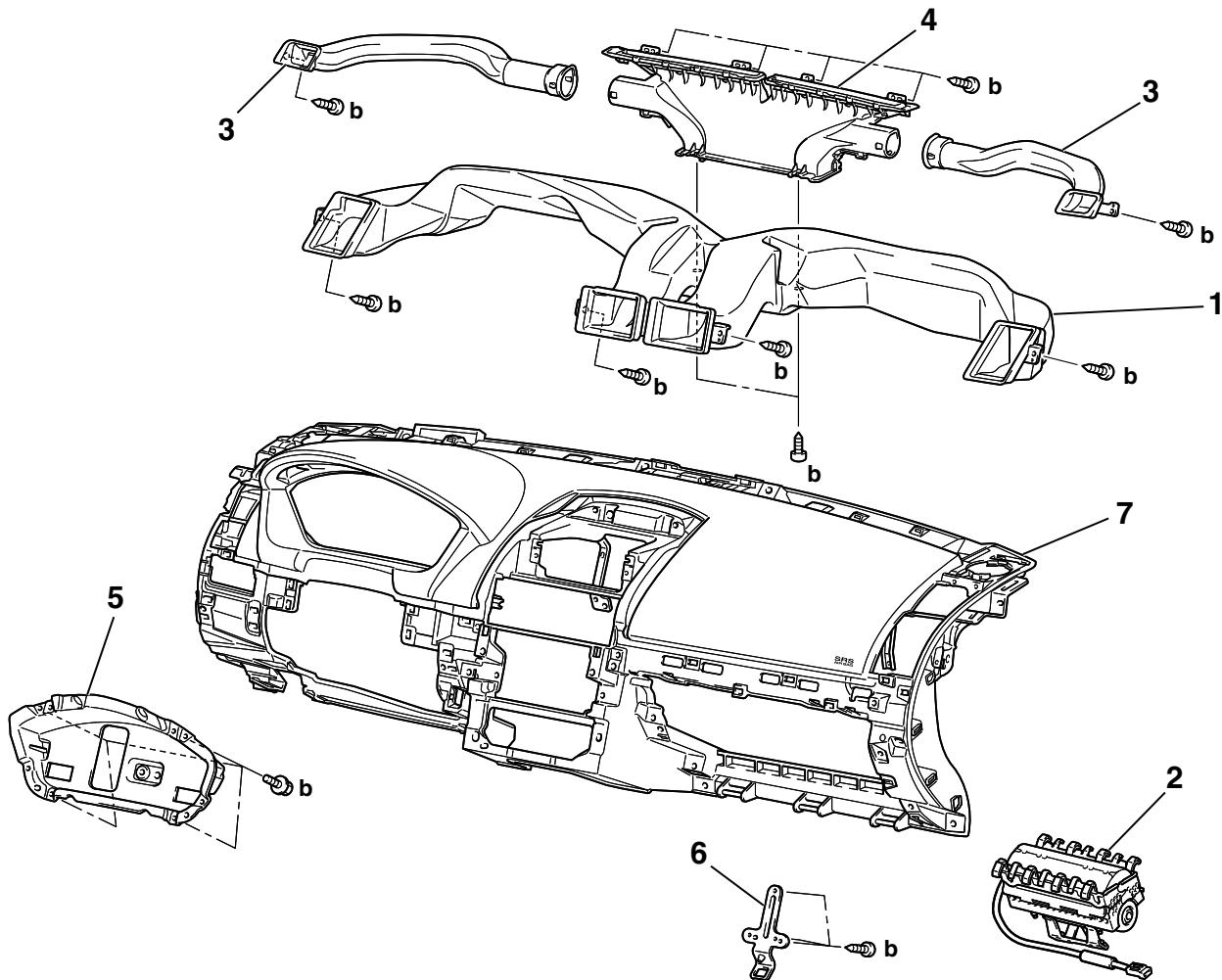
1. CLOCK SPRING CONNECTOR (6)
2. CLOCK SPRING CONNECTOR (4-Y)
3. COLUMN SWITCH CONNECTOR (10)



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-408.)

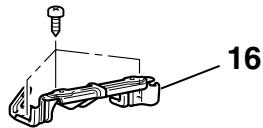
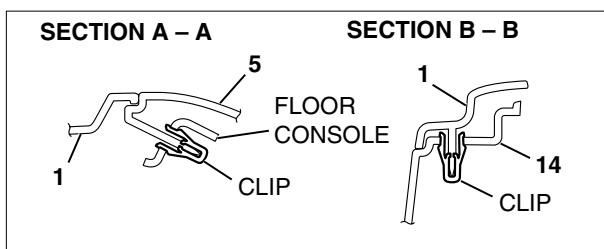
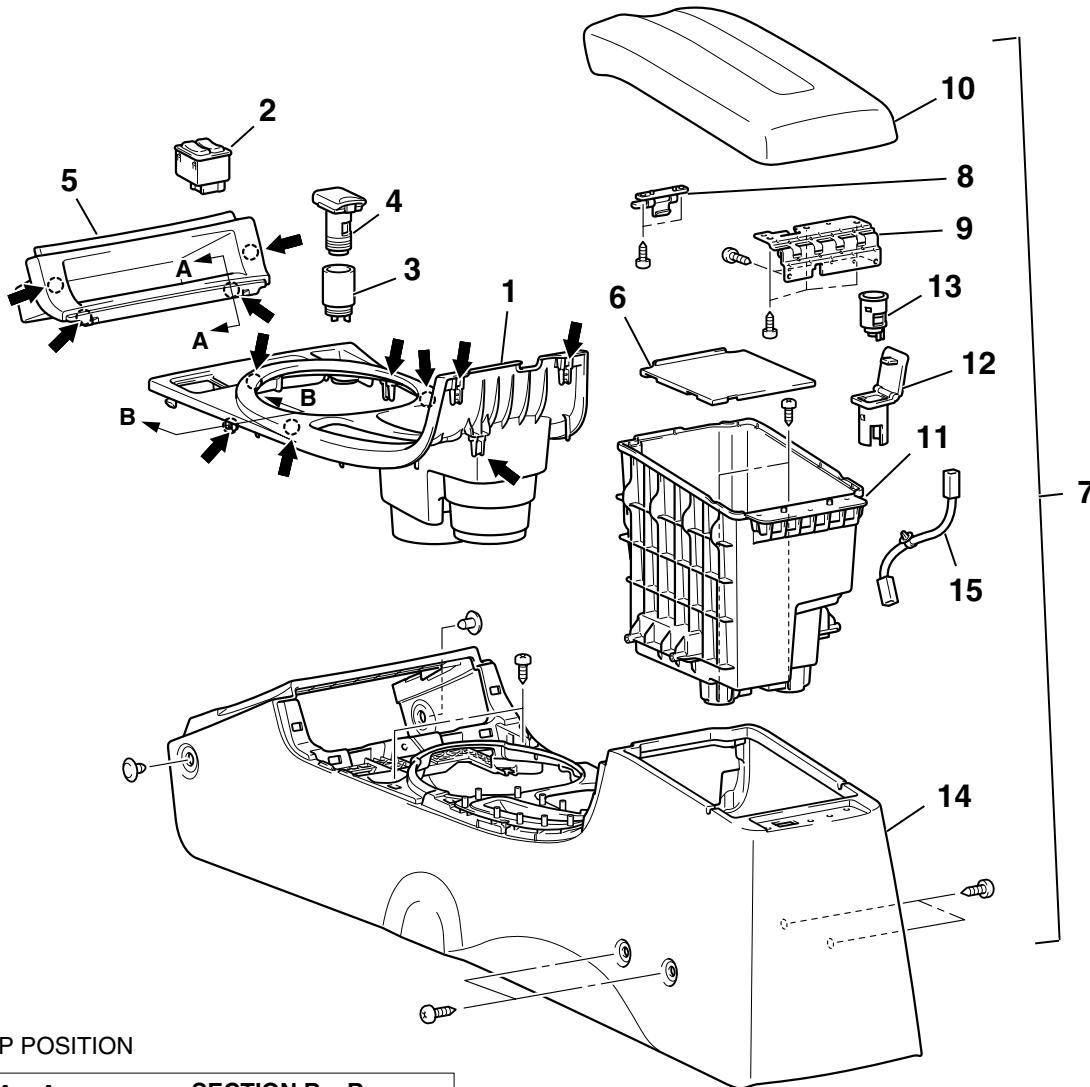
DISASSEMBLY STEPS

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

FLOOR CONSOLE ASSEMBLY

REMOVAL AND INSTALLATION

M1521002200314



AC307567 AB

REMOVAL STEPS

1. GEARSHIFT LEVER PANEL
2. HEATED SEAT SWITCH
<VEHICLES WITH HEATED SEAT>
3. ACCESSORY SOCKET (ACC)
(REFER TO GROUP 54A,
ACCESSORY SOCKET [P.54A-147](#))
4. ACCESSORY SOCKET COVER
5. FRONT BOX
6. PLATE

REMOVAL STEPS (Continued)

7. FLOOR CONSOLE ASSEMBLY
8. LID LOCK LEVER
9. HINGE
10. LID
11. INNER BOX
12. ACCESSORY SOCKET (+B)
(REFER TO GROUP 54A,
ACCESSORY SOCKET [P.54A-147](#))
13. ACCESSORY SOCKET COVER
14. FLOOR CONSOLE

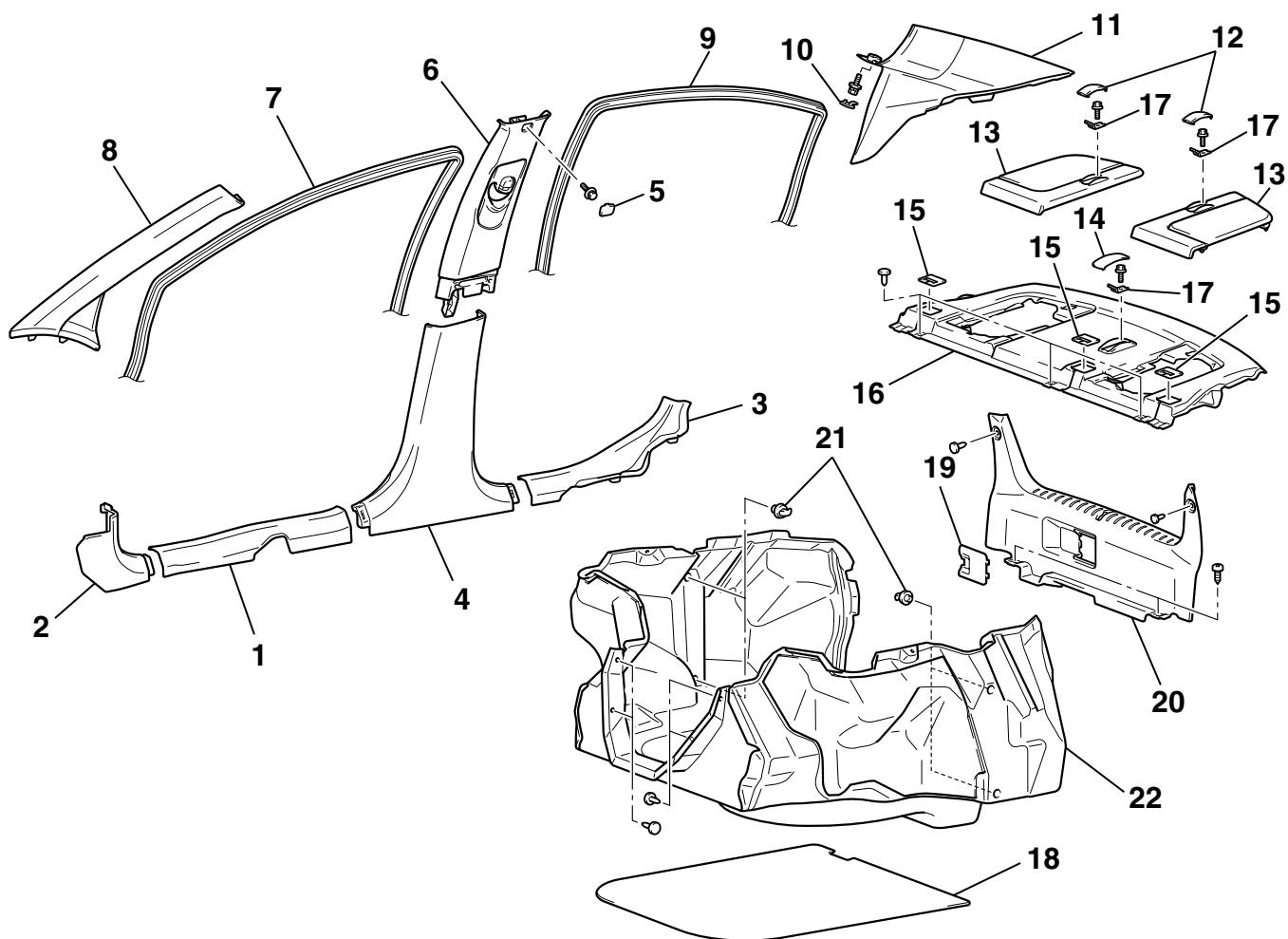
REMOVAL STEPS (Continued)

15. ACCESSORY SOCKET HARNESS
16. REAR BRACKET

TRIMS

REMOVAL AND INSTALLATION

M1521001100905

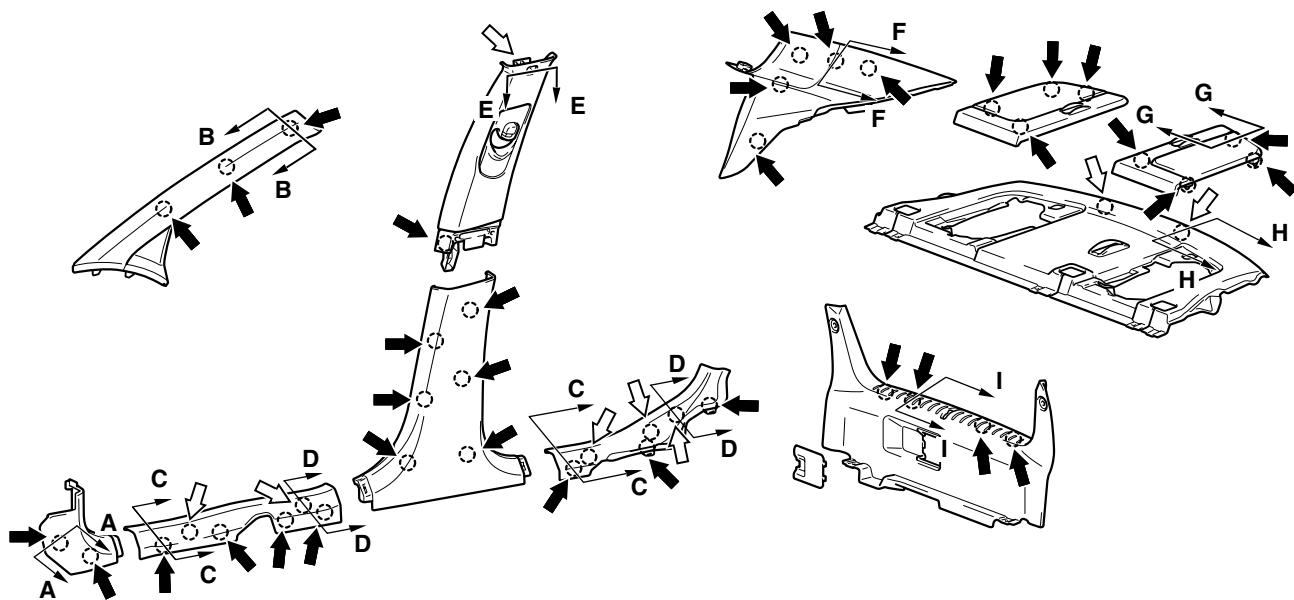


AC601273AB

<<A>>

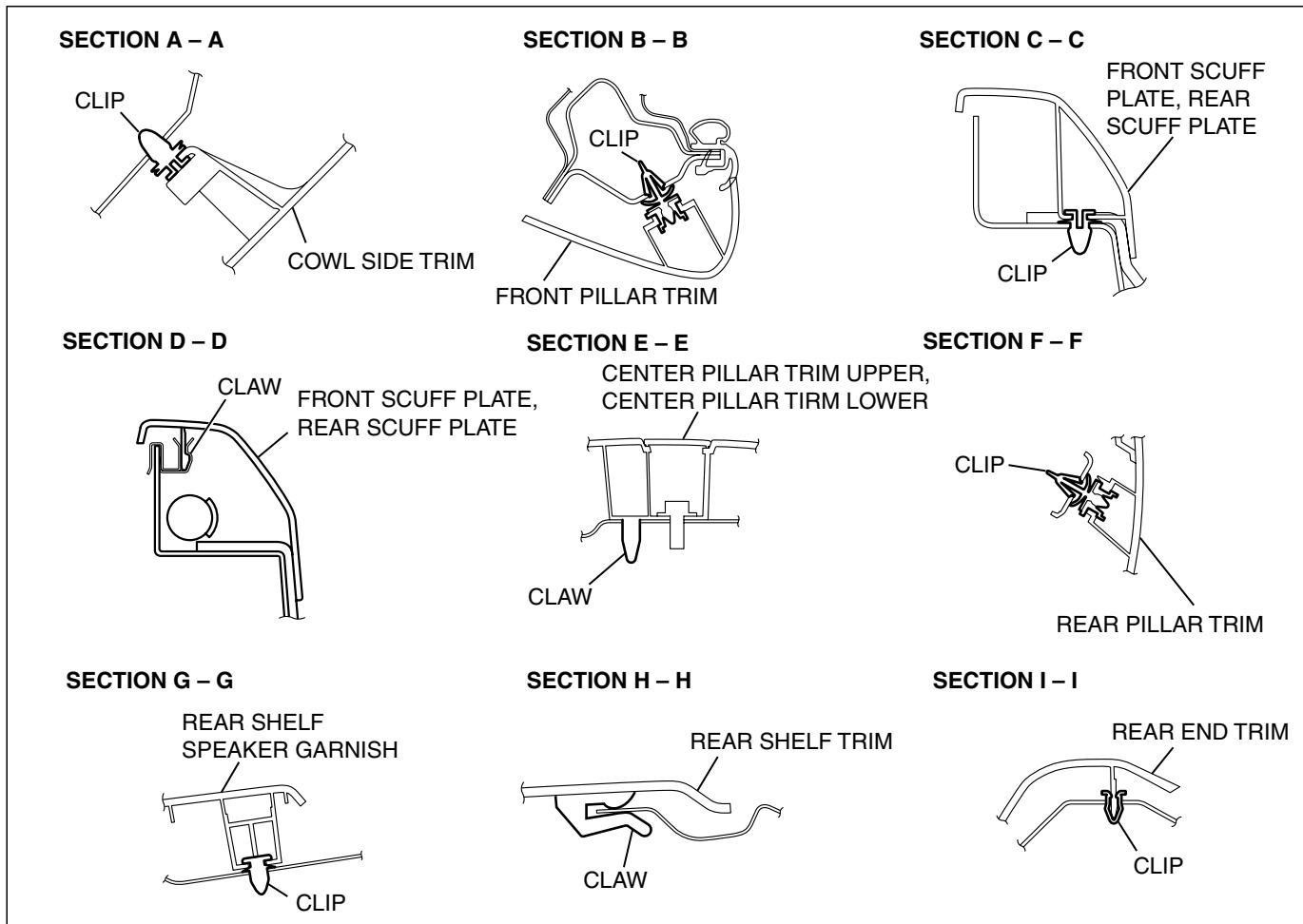
1. FRONT SCUFF PLATE
2. COWL SIDE TRIM
- REAR SEAT CUSHION (REFER TO [P.52A-45.](#))
3. REAR SCUFF PLATE
- FRONT SEAT BELT LOWER ANCHOR BOLT
4. CENTER PILLAR TRIM LOWER
5. SCREW CAP
6. CENTER PILLAR TRIM UPPER
7. FRONT DOOR OPENING TRIM
8. FRONT PILLAR TRIM
9. REAR DOOR OPENING TRIM
10. SCREW CAP
- REAR SEATBACK ASSEMBLY (REFER TO [P.52A-45.](#))
11. REAR PILLAR TRIM
12. CHILD RESTRAINT LID
13. REAR SHELF SPEAKER GARNISH
14. CHILD RESTRAINT LID
15. SEAT BELT GARNISH
16. REAR SHELF TRIM
17. CHILD RESTRAINT FITTING
18. TRUNK ROOM FLOOR BOARD
19. REAR END TRIM COVER
20. REAR END TRIM
21. PARCEL NET ANCHOR
22. TRUNK ROOM TRIM

CLIP AND CLAW POSITION



NOTE

(1) ← : CLIP POSITIONS
 (2) ↗ : CLAW POSITIONS

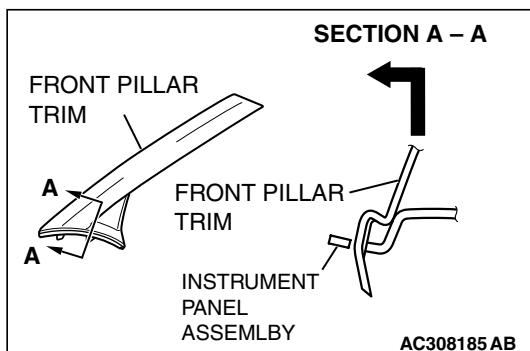


AC601274AB

REMOVAL SERVICE POINT

<<A>> FRONT PILLAR TRIM REMOVAL

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

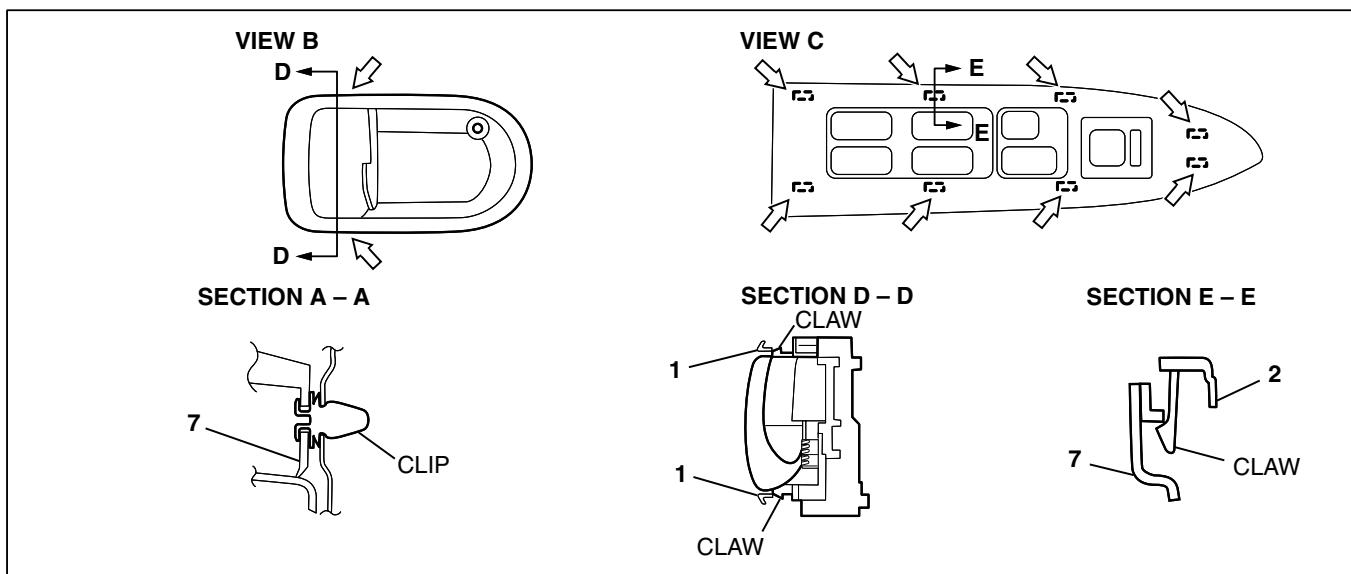
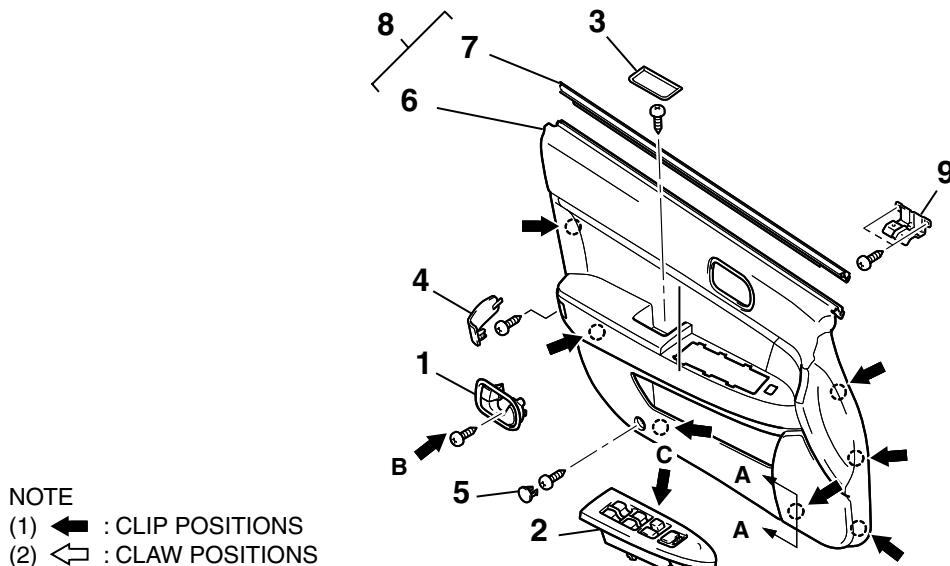


DOOR TRIM

REMOVAL AND INSTALLATION

<FRONT DOOR TRIM>

M1521006400644



AC601345AB

<<A>>
<>

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

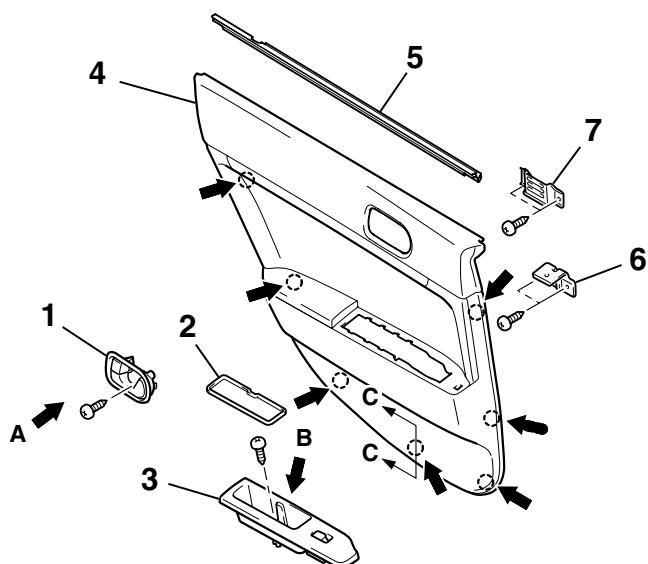
INSTALLATION STEPS

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:

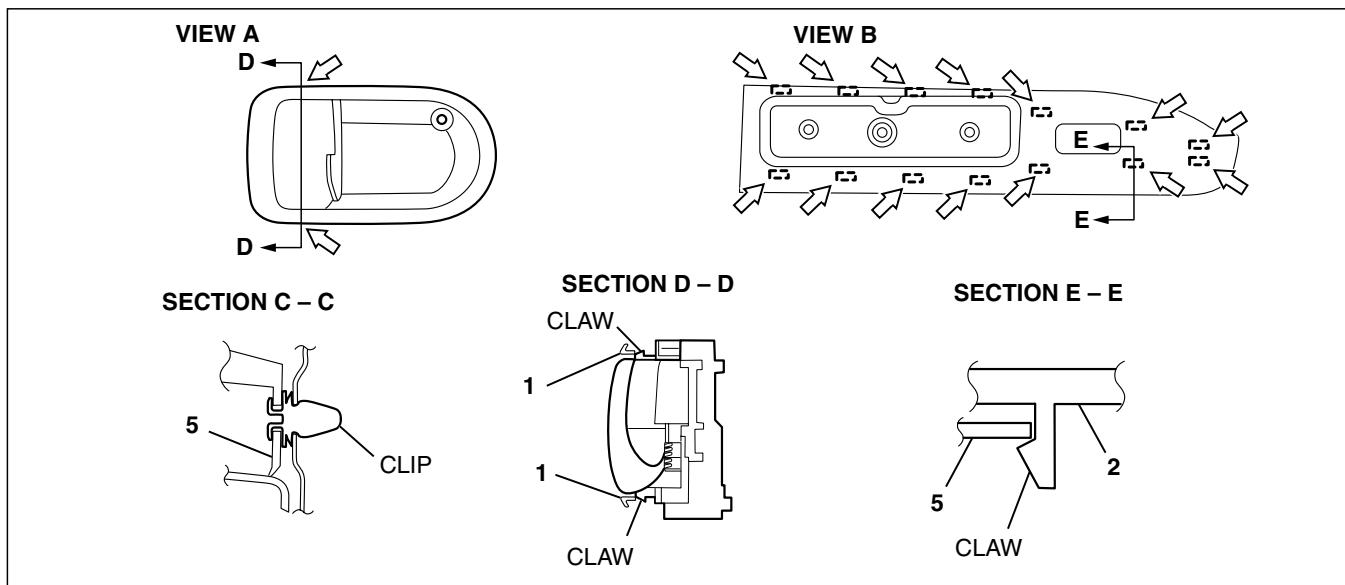
- MB990784: Ornament Remover

<REAR DOOR TRIM>



NOTE

(1) ← : CLIP POSITIONS
 (2) ⇔ : CLAW POSITIONS



AC601346AB

REMOVAL STEPS

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

REMOVAL STEPS (Continued)

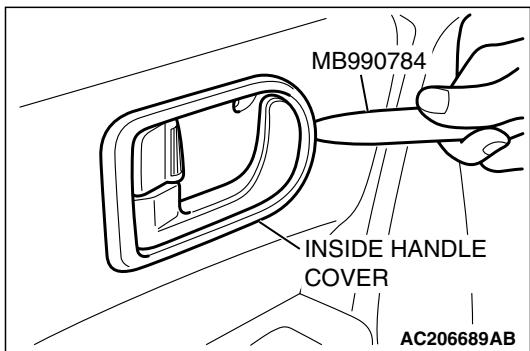
6. ARMREST BRACKET
 7. REAR DOOR PANEL BRACKET

Required Special Tool:

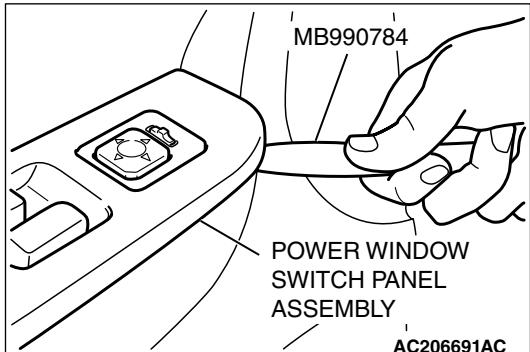
- MB990784: Ornament Remover

REMOVAL SERVICE POINTS**<<A>> INSIDE HANDLE COVER REMOVAL**

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

**<> POWER WINDOW SWITCH PANEL ASSEMBLY
REMOVAL**

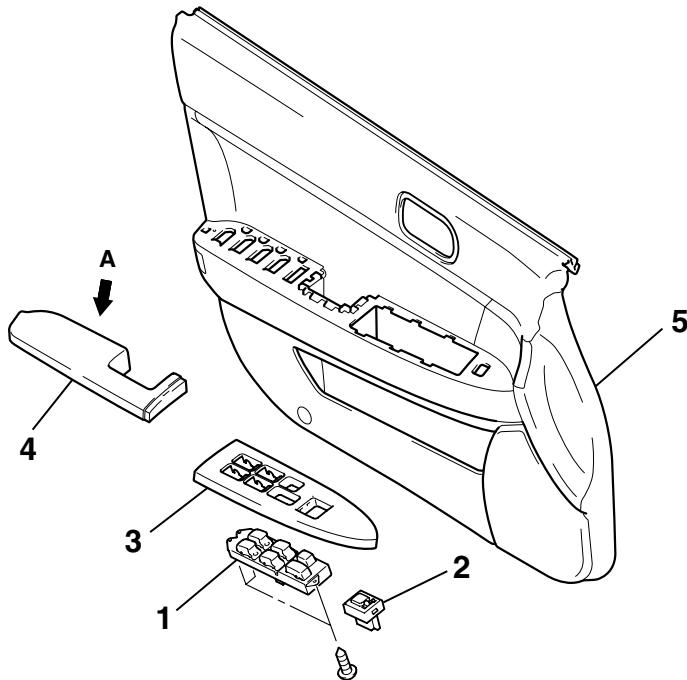
Insert special tool MB990784 as shown to remove the power window switch panel assembly.



DISASSEMBLY AND ASSEMBLY

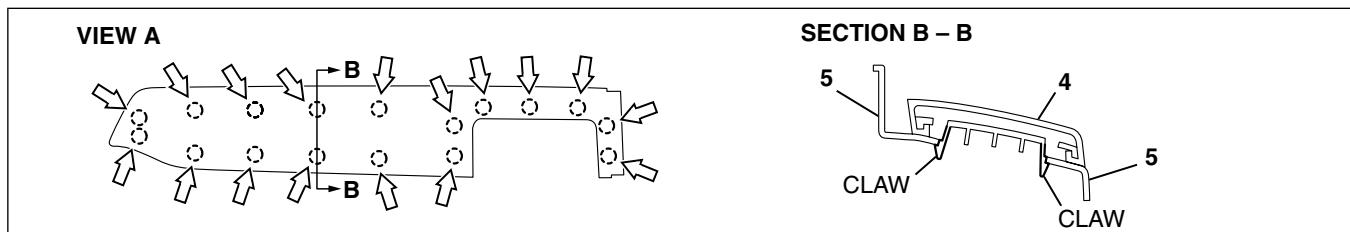
<FRONT DOOR TIRM>

M1521006900155



NOTE

← : CLAW POSITIONS



AC601347AB

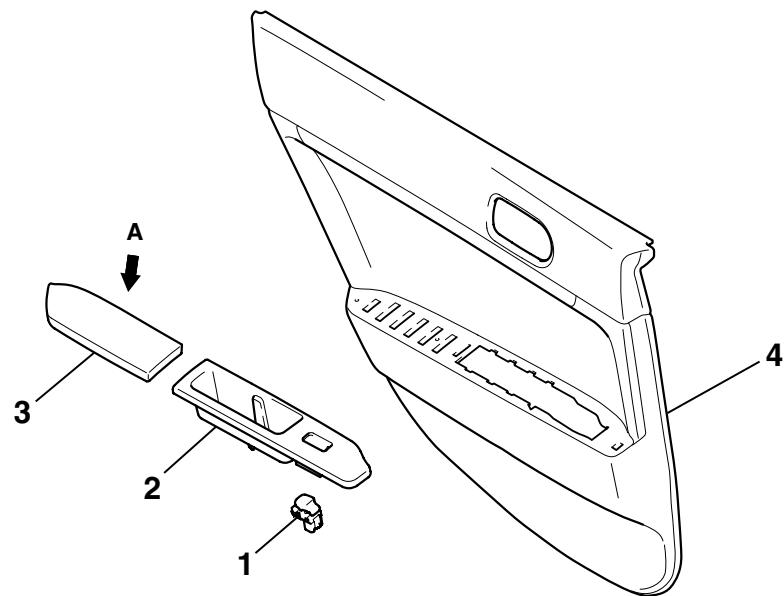
DISASSEMBLY STEPS

1. POWER WINDOW SWITCH
2. REMOTE CONTROLLED MIRROR SWITCH

DISASSEMBLY STEPS

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

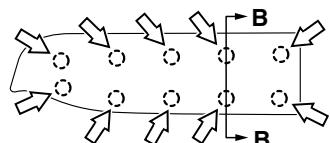
<REAR DOOR TRIM>



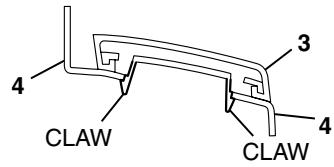
NOTE

↳ : CLAW POSITIONS

VIEW A



SECTION B - B



AC601348AB

DISASSEMBLY STEPS

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

DISASSEMBLY STEPS

3. ARMREST
4. REAR DOOR TRIM

HEADLINING

REMOVAL AND INSTALLATION

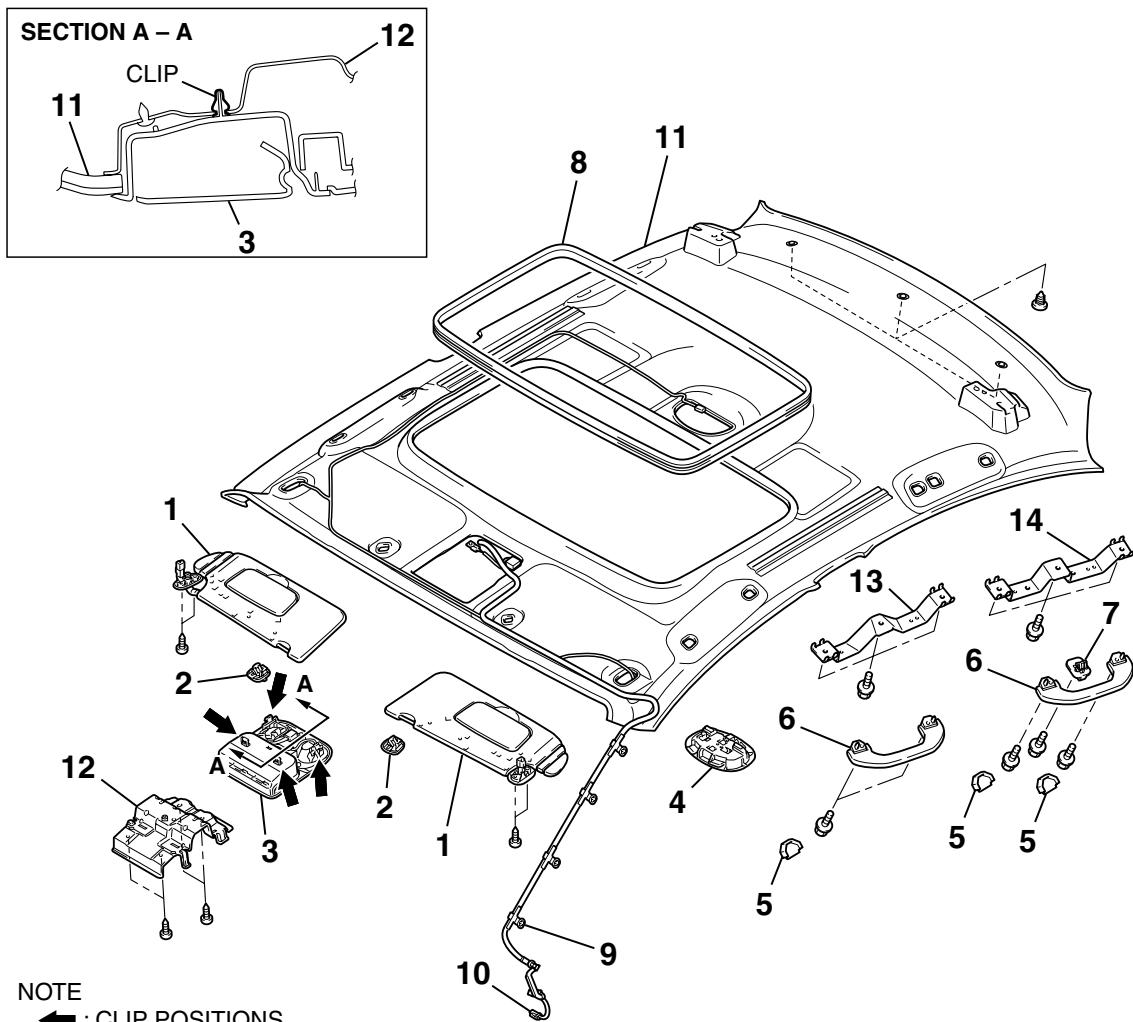
M1521001400843

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-396.)

Pre-removal and Post-installation Operation

- Removal and Installation of Front Seat Assembly (Refer to P.52A-34.)
- Removal and Installation of Rear Seat Cushion Assembly and Rear Seatback Assembly (Refer to P.52A-45.)
- Removal and Installation of Front Pillar Trim, Center Pillar Trim Upper and Rear Pillar Trim (Refer to P.52A-23.)



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REMOVAL STEPS

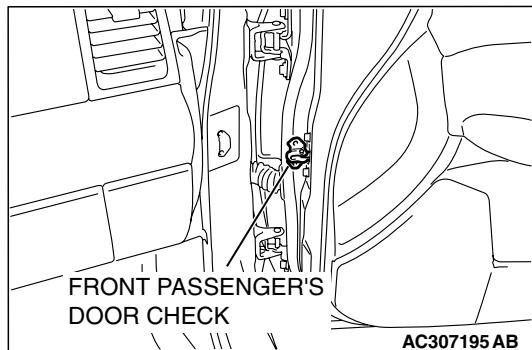
1. SUN VISOR
2. SUN VISOR HOLDER
3. OVERHEAD CONSOLE ASSEMBLY

REMOVAL STEPS (Continued)

4. DOME LIGHT ASSEMBLY (REFER TO GROUP 54A, DOME LIGHT P.54A-137.)
5. ASSIST GRIP PLUG
6. ASSIST GRIP
7. COAT HANGER

REMOVAL STEPS (Continued)

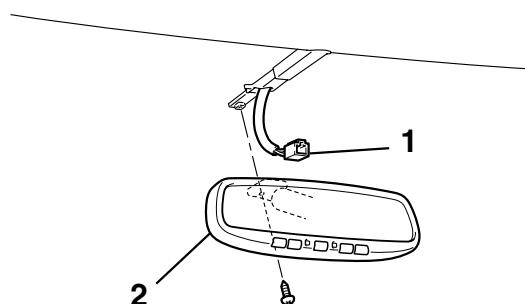
8. SUNROOF OPENING TRIM
<VEHICLES WITH SUNROOF>
9. ROOF HARNESS CLAMP
- INSTRUMENT PANEL SIDE COVER (REFER TO [P.52A-15.](#))
10. ROOF HARNESS CONNECTOR
- FLOOR CONSOLE ASSEMBLY (REFER TO [P.52A-22.](#))
- PARKING BRAKE LEVER ASSEMBLY MOUNTING BOLT (REFER TO GROUP 36, PARKING BRAKE LEVER [P.36-6.](#))
- <>A>> 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.42-36.](#))

INSIDE REAR VIEW MIRROR**REMOVAL AND INSTALLATION**

M1521002700289



AC601353AB

REMOVAL STEP

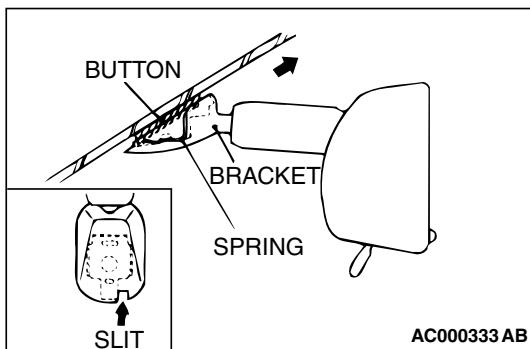
1. HARNESS CONNECTOR <WITH AUTOMATIC ANTI-DAZZLING MIRROR>
- <>A>> 2. INSIDE REAR VIEW MIRROR

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

M1522001300560

⚠ WARNING

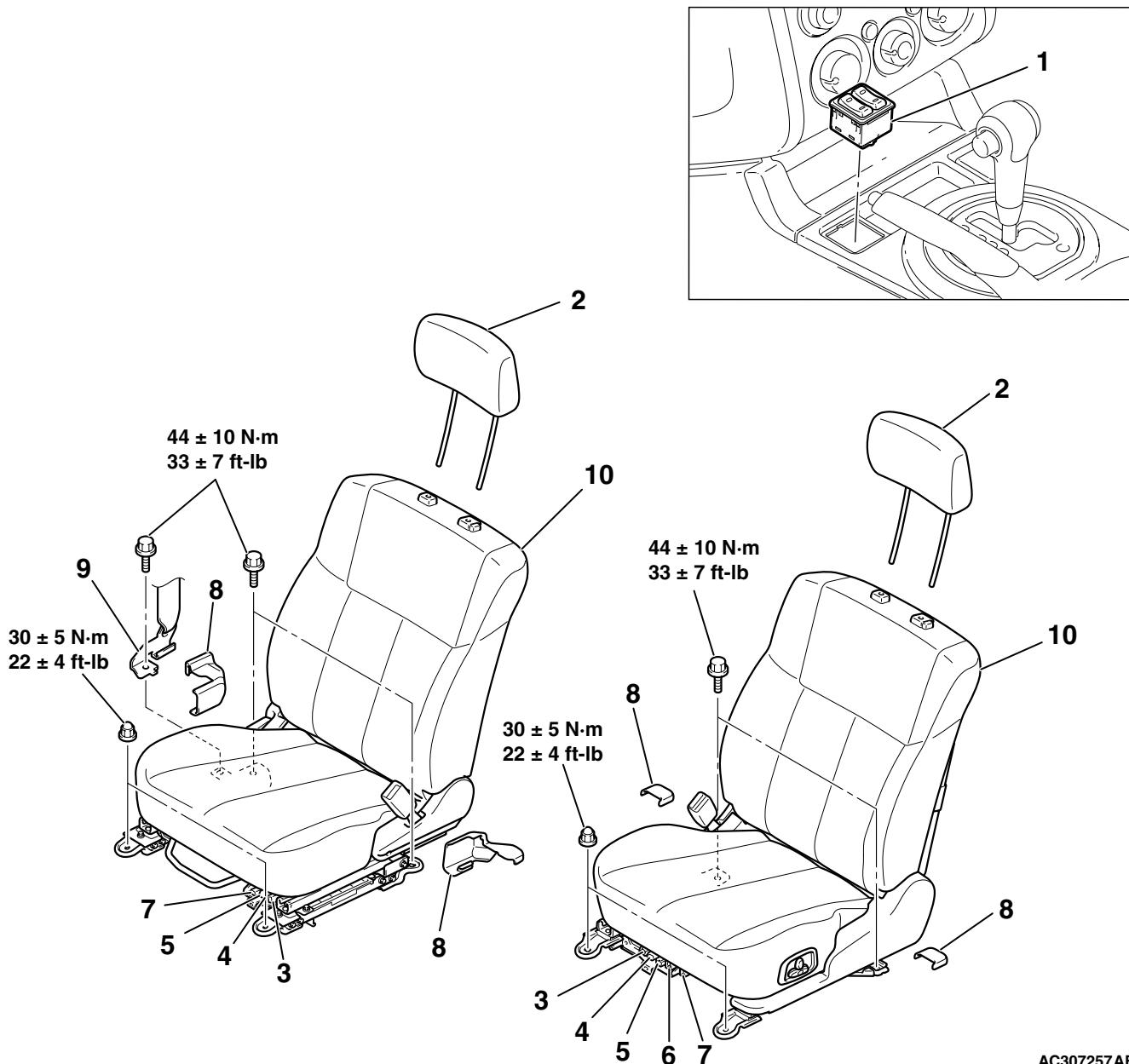
- *Before removing the front seat assembly, refer to GROUP 52B, Service Precautions P.52B-29 and Air Bag Module and Clock Spring P.52B-408.*
- *When removing and installing the front passenger seat, be sure to carry out accuracy check occupant classification sensor after the seat has been installed in the vehicle. (Refer to GROUP 52B, On-vehicle Service P.52B-396.)*

⚠ 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-396.)



AC307257AB

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>

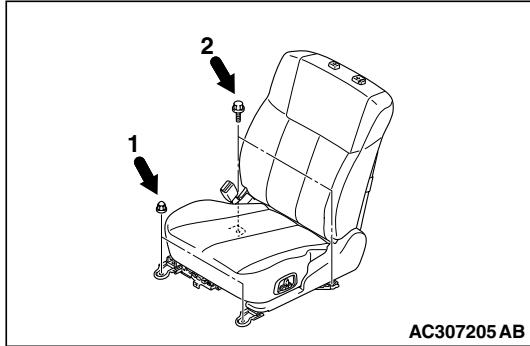
6. POWER SEAT CONNECTOR
<VEHICLES WITH POWER SEAT>
7. SIDE-AIR BAG MODULE CONNECTOR <VEHICLES WITH SIDE-AIR BAG>
8. FRONT SEAT REAR ANCHOR COVER
9. OUTER SEAT BELT (PASSENGER'S SIDE)
- >>A<< 10. FRONT SEAT ASSEMBLY

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.

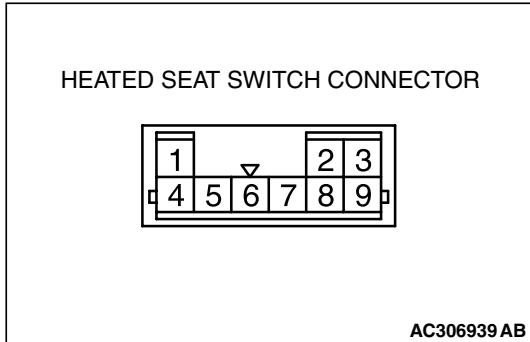
INSPECTION

M1522005500113

HEATED SEAT SWITCH CHECK

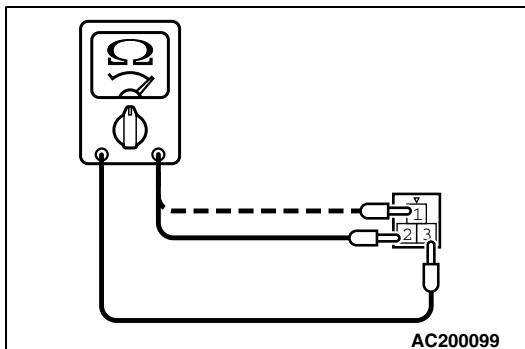
CONTINUITY TEST OF HEATED SEAT SWITCH

1. Check for continuity between terminals.



| 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.

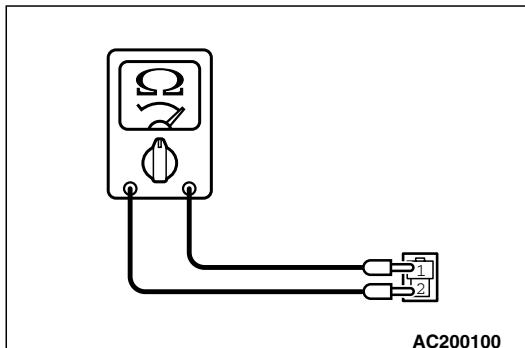
**SEAT CUSHION HEATER CHECK**

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%

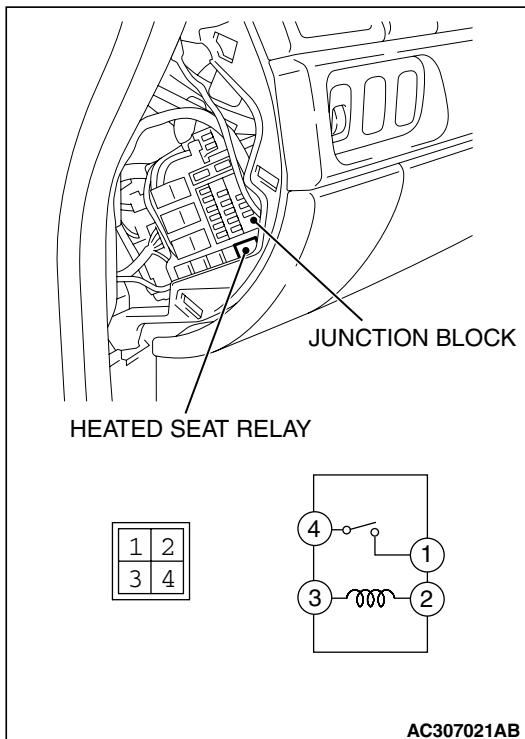
Between terminals 1 and terminal 3: 4.1 ohms \pm 9%

**SEATBACK HEATER CHECK**

Measure the resistance between terminals.

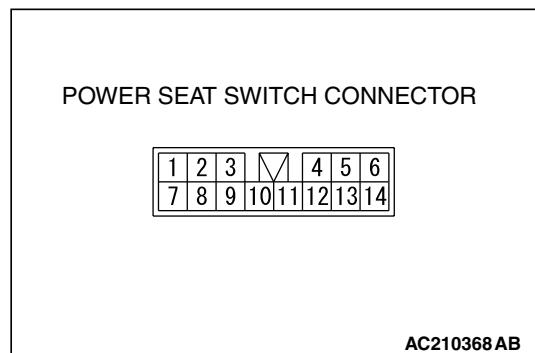
Standard value: At room temperature 20 °C (68 °F)

Approximately 3.6 ohms \pm 9%

**HEATED SEAT RELAY CONTINUITY CHECK**

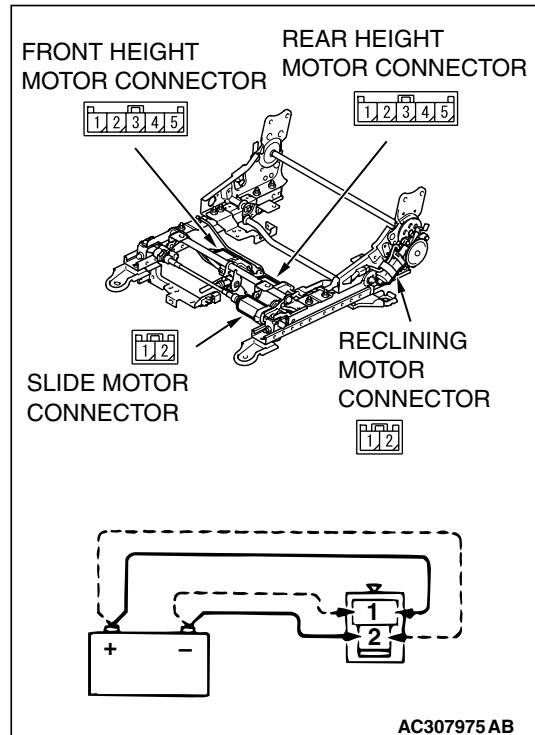
1. Remove the instrument lower cover.
2. Remove the junction block mounting and slide the junction block to check the heated seat.

| BATTERY VOLTAGE | TESTER CONNECTION | SPECIFIED CONDITION |
|--|-------------------|---------------------|
| Not applied | 1 – 4 | Open circuit |
| • Connect terminal 2 to the positive battery terminal • Connect terminal 3 to the negative battery terminal | 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 adjuster assembly.

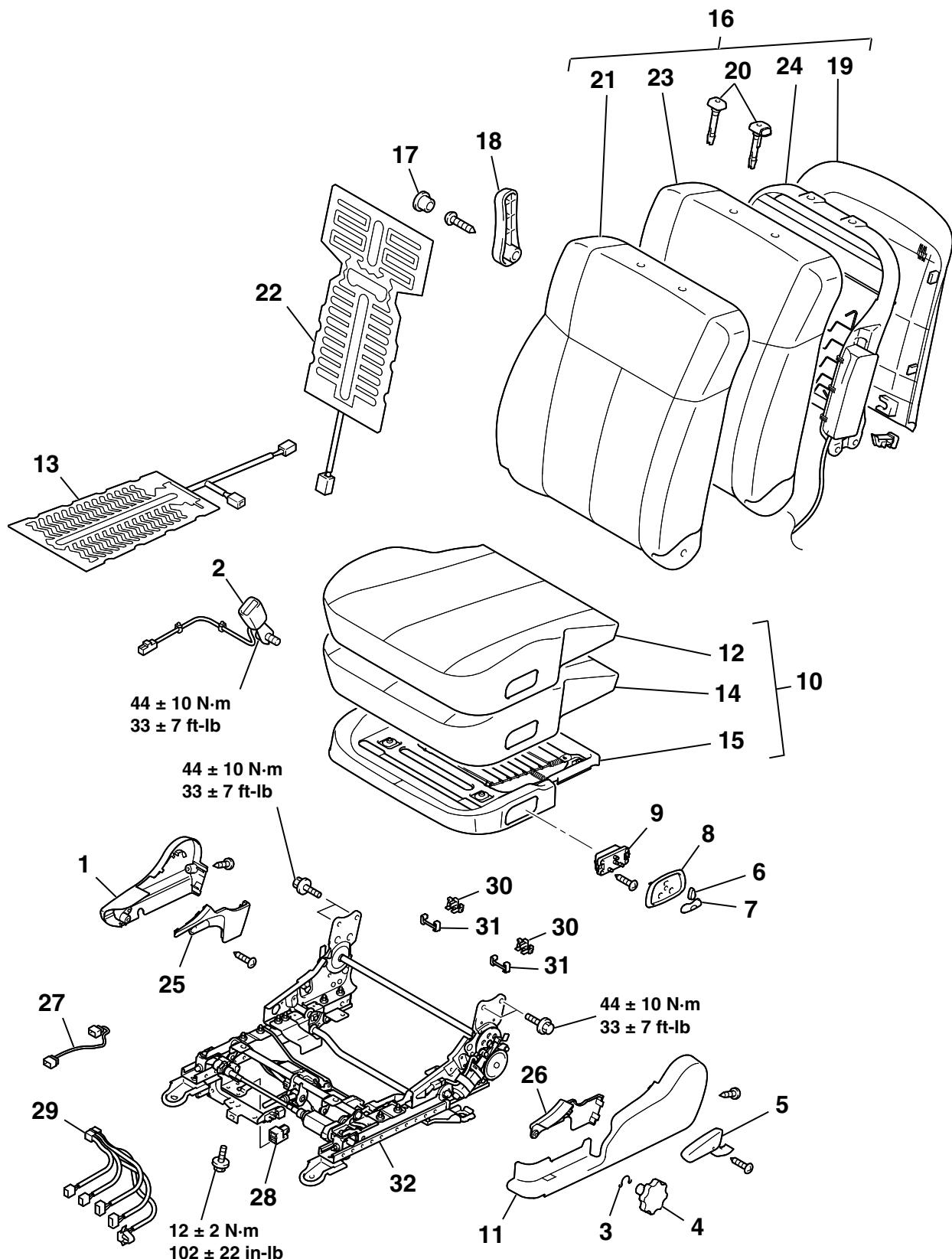
DISASSEMBLY AND ASSEMBLY

M1522001501062

<LH SIDE>

 **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>

DISASSEMBLY STEPS

4. HIGH ADJUSTER KNOB
<VEHICLES WITHOUT POWER SEAT>

DISASSEMBLY STEPS

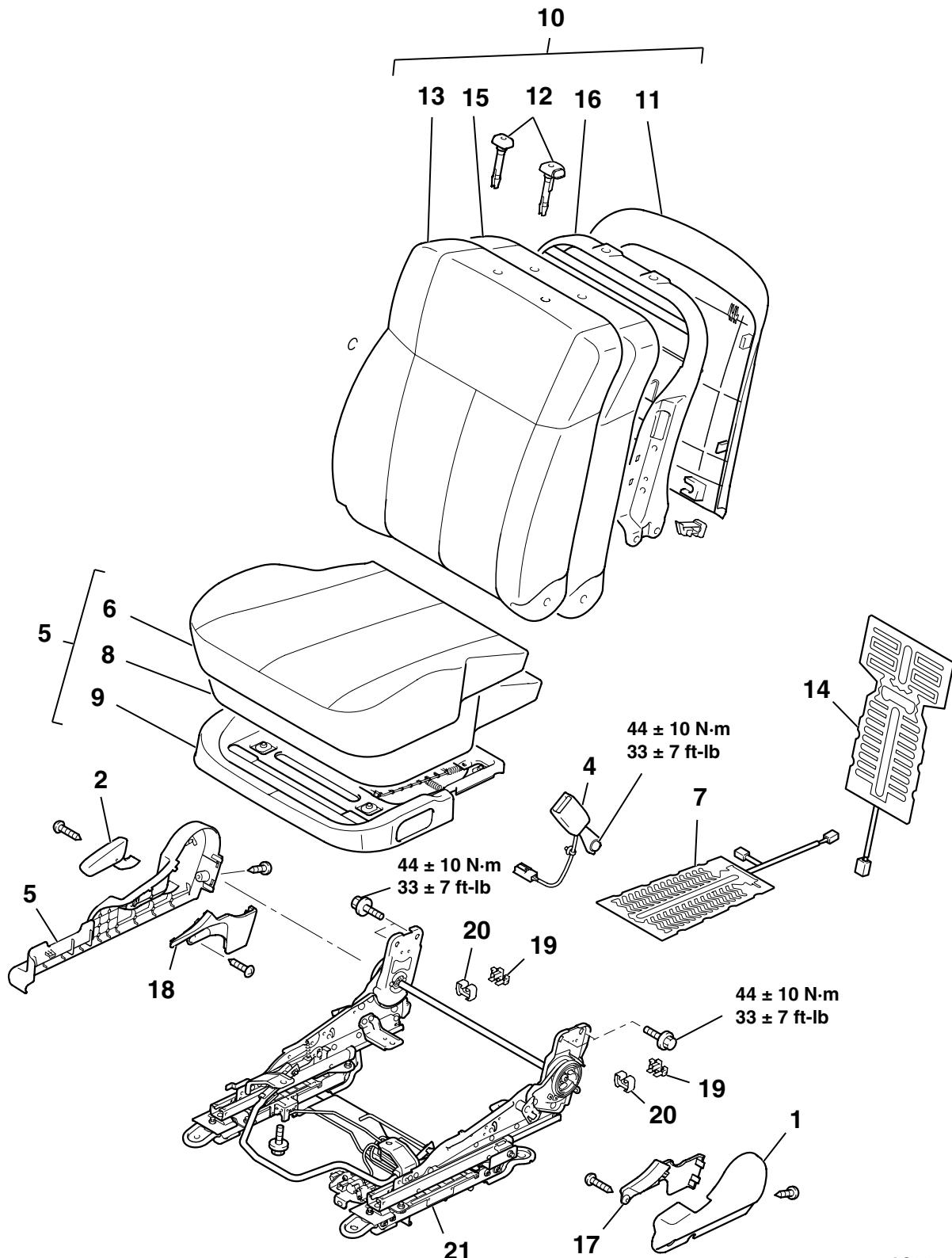
5. RECLINING ADJUSTER LEVER
<VEHICLES WITHOUT POWER
SEAT>
6. RECLINING KNOB <VEHICLES
WITH POWER SEAT>
7. SLIDE ADJUSTER KNOB
<VEHICLES WITH POWER SEAT>
8. POWER SEAT SWITCH GARNISH
<VEHICLES WITH POWER SEAT>
9. POWER SEAT SWICH
<VEHICLES WITH POWER SEAT>
10. SEAT CUHION ASSEMBLY
11. SIDE SHIELD COVER
12. SEAT CUSHION COVER
13. SEAT CUSHION HEATER
<VEHICLES WITH HEATED
SEAT>
14. SEAT CUSHION PAD
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
<VEHICLE 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

<<A>>

<RH SIDE>

⚠ 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.*



AC308771AB

REMOVAL STEPS

1. HINGE COVER
2. RECLINING ADJUSTER LEVER
3. SIDE SHIELD COVER
4. INNER SEAT BELT
5. SEAT CUSHION ASSEMBLY
6. SEAT CUSHION COVER

REMOVAL STEPS (Continued)

7. SEAT CUSHION HEATER
<VEHICLES WITH HEATED SEAT>
8. SEAT CUSHION PAD
9. SEAT CUSHION FRAME
10. SEATBACK ASSEMBLY

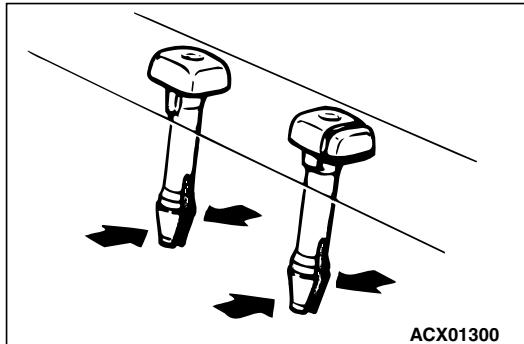
REMOVAL STEPS (Continued)

<<A>>

- 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

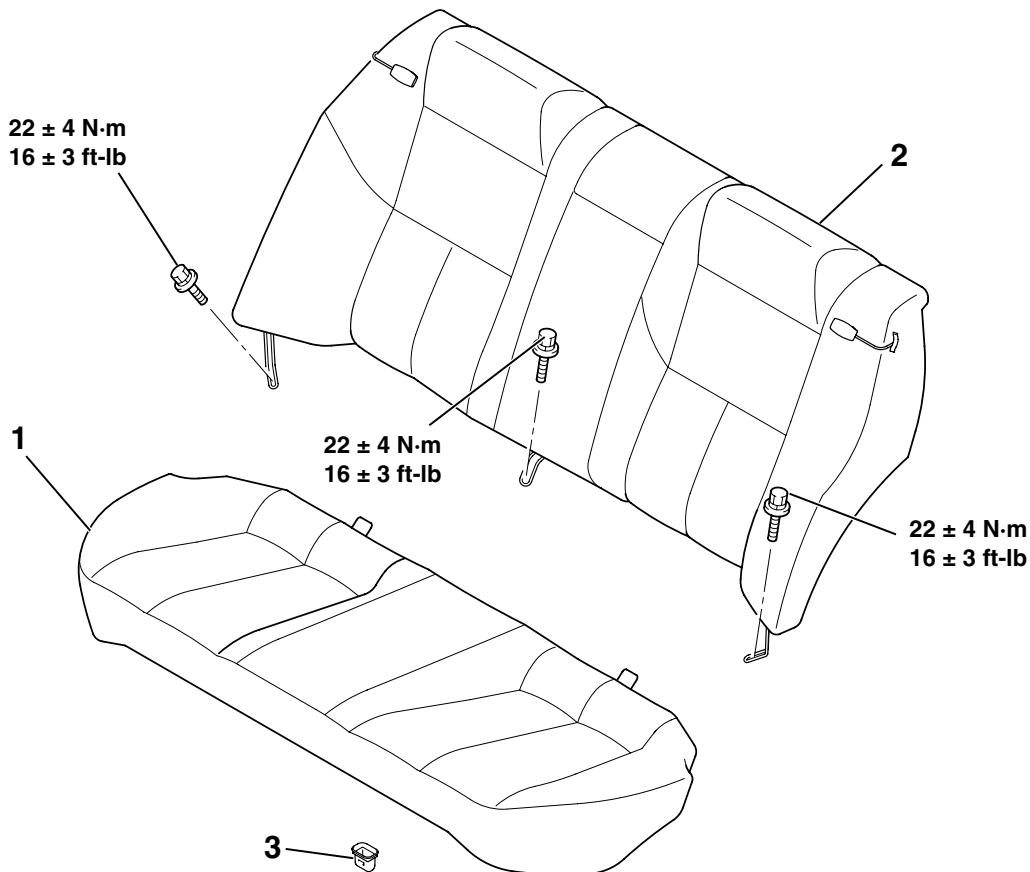
REMOVAL SERVICE POINT**<<A>> HEADRESTRAINT GUIDE REMOVAL****<> SLIDE ADJUSTER REMOVAL**** WARNING**

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

REAR SEAT ASSEMBLY

REMOVAL AND INSTALLATION

M1522001800297



AC306948AB

REMOVAL STEPS

>>B<< 1. REAR SEAT CUSHION ASSEMBLY

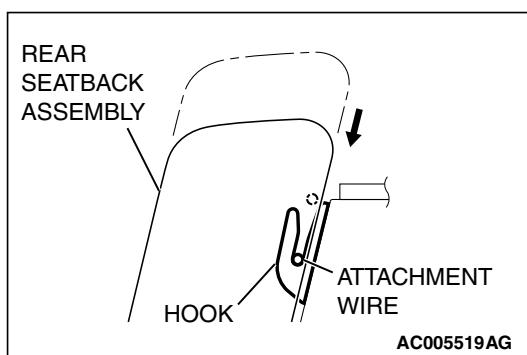
REMOVAL STEPS (Continued)

>>A<< 2. REAR SEATBACK ASSEMBLY
3. REAR SEAT HOOK

INSTALLATION SERVICE POINTS

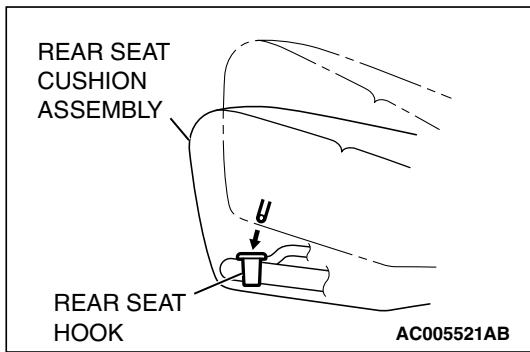
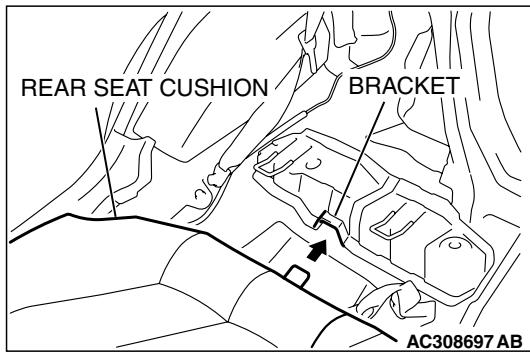
>>A<< INSTALLATION OF REAR SEATBACK ASSEMBLY

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

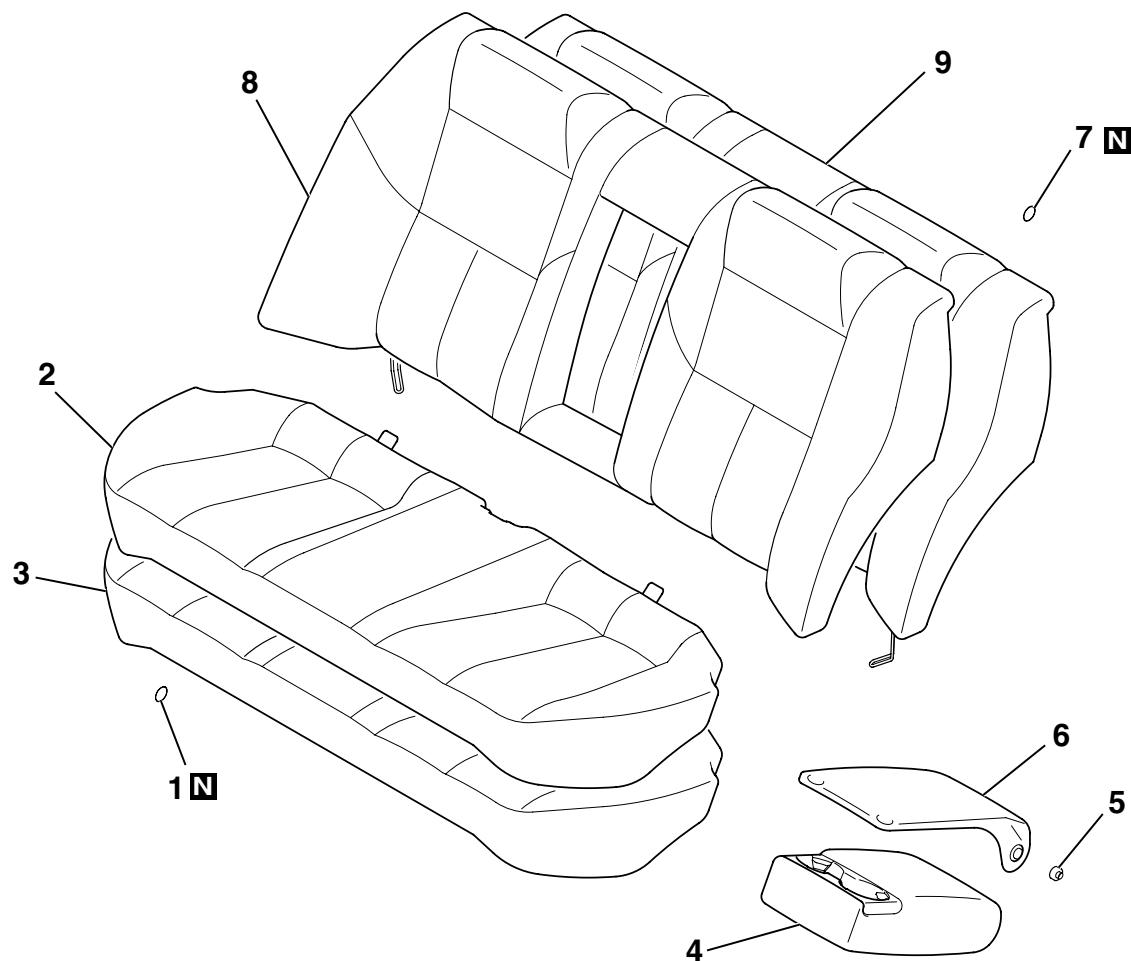
1. Fit the rear seat cushion into the bracket securely.



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

DISASSEMBLY AND ASSEMBLY

M1522002000357



AC306949AB

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

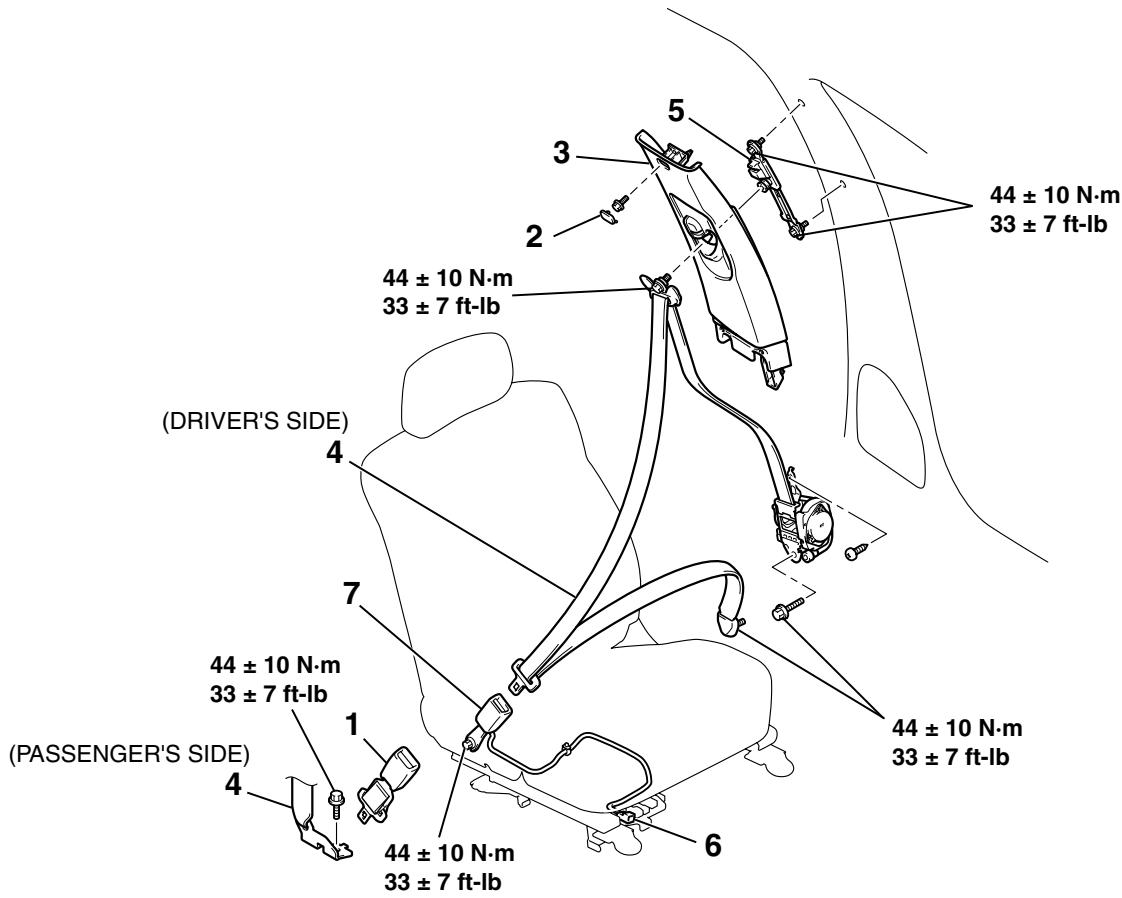
REMOVAL AND INSTALLATION

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-396](#).)
- SRS: Before removing and installing the seat belts with pre-tensioner, refer to GROUP 52B, Seat Belt with Pre-tensioner [P.52B-424](#).

| Pre-removal Operation | Post-installation Operation |
|--|---|
| <ul style="list-style-type: none"> Turn the ignition key to the LOCK (OFF) position. Disconnect the negative battery terminal. | <ul style="list-style-type: none"> Adjustment Procedures of Special Function (refer to GROUP 52B, On-vehicle Service P.52B-424.) Turn the ignition key to the LOCK (OFF) position. Disconnect the negative battery terminal. |



AC601418AB

- EXTENDER SEAT BELT ASSEMBLY*
- SCREW CAP
- CENTER PILLAR TRIM UPPER (REFER TO [P.52A-23](#).)
- CENTER PILLAR TRIM LOWER (REFER TO [P.52A-23](#).)

OUTER SEAT BELT REMOVAL STEPS (Continued)

- OUTER SEAT BELT (REFER TO GROUP 52B, SEAT BELTS WITH PRE-TENSIONER [P.52B-424](#).)
- ADJUSTABLE SEAT BELT ANCOR
- INNER SEAT BELT
- SEAT BELT SWITCH CONNECTOR

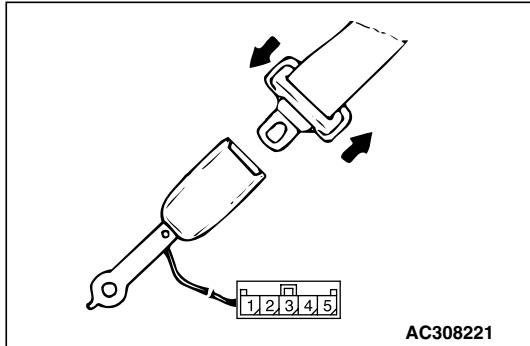
INNER SEAT BELT (Continued)

- SHIELD COVER (REFER TO
[P.52A-39.](#))
- 7. INNER SEAT BELT

NOTE: *If so equipped

INSPECTION

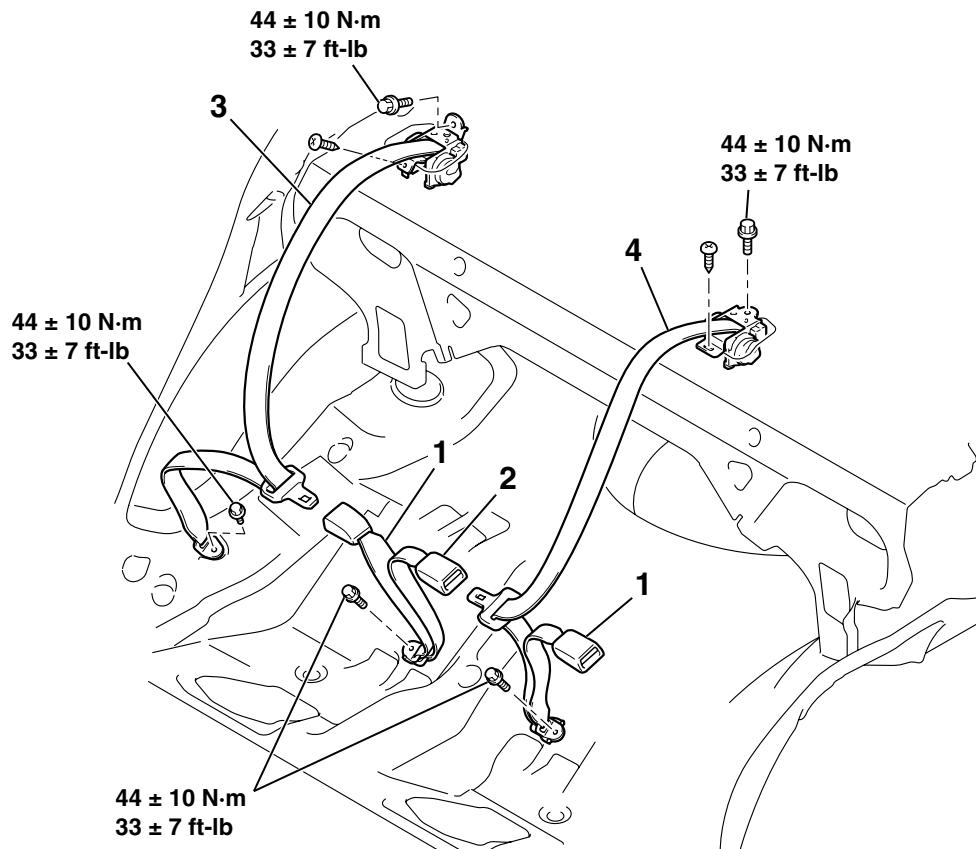
M1523004400116

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-45.)
- 1. INNER SEAT BELT
- 2. CENTER SEAT BELT INNER

REMOVAL STEPS (Continued)

- REAR SHELF TRIM (REFER TO P.52A-23.)
- 3. OUTER SEAT BELT
- 4. CENTER SEAT BELT OUTER

SPECIFICATIONS**FASTENER TIGHTENING SPECIFICATIONS**

M1521004100227

| ITEM | SPECIFICATION |
|---|-----------------------------|
| FRONT SEAT | |
| 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) |
| REAR SEAT | |
| Seatback assembly bolt | 22 ± 4 N·m (16 ± 3 ft-lb) |
| FRONT SEAT BELT | |
| 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) |
| REAR SEAT BELT | |
| 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) | 1 – 2 | Approximately 4.16 Ω ± 9 % |
| | 1 – 3 | Approximately 0.2 Ω ± 9 % |
| Seatback heater (At room temperature 20°C) | 1 – 2 | Approximately 5.2 Ω ± 9 % |