GROUP 52A

INTERIOR

CONTENTS

Continued on next page

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, 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

M1521000100269

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

M1523000700201

The seat belt warning system is controlled by the Simplified Wiring System (SWS). For troubleshooting, refer to GROUP 54B, SWS diagnosis P.54B-115.

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

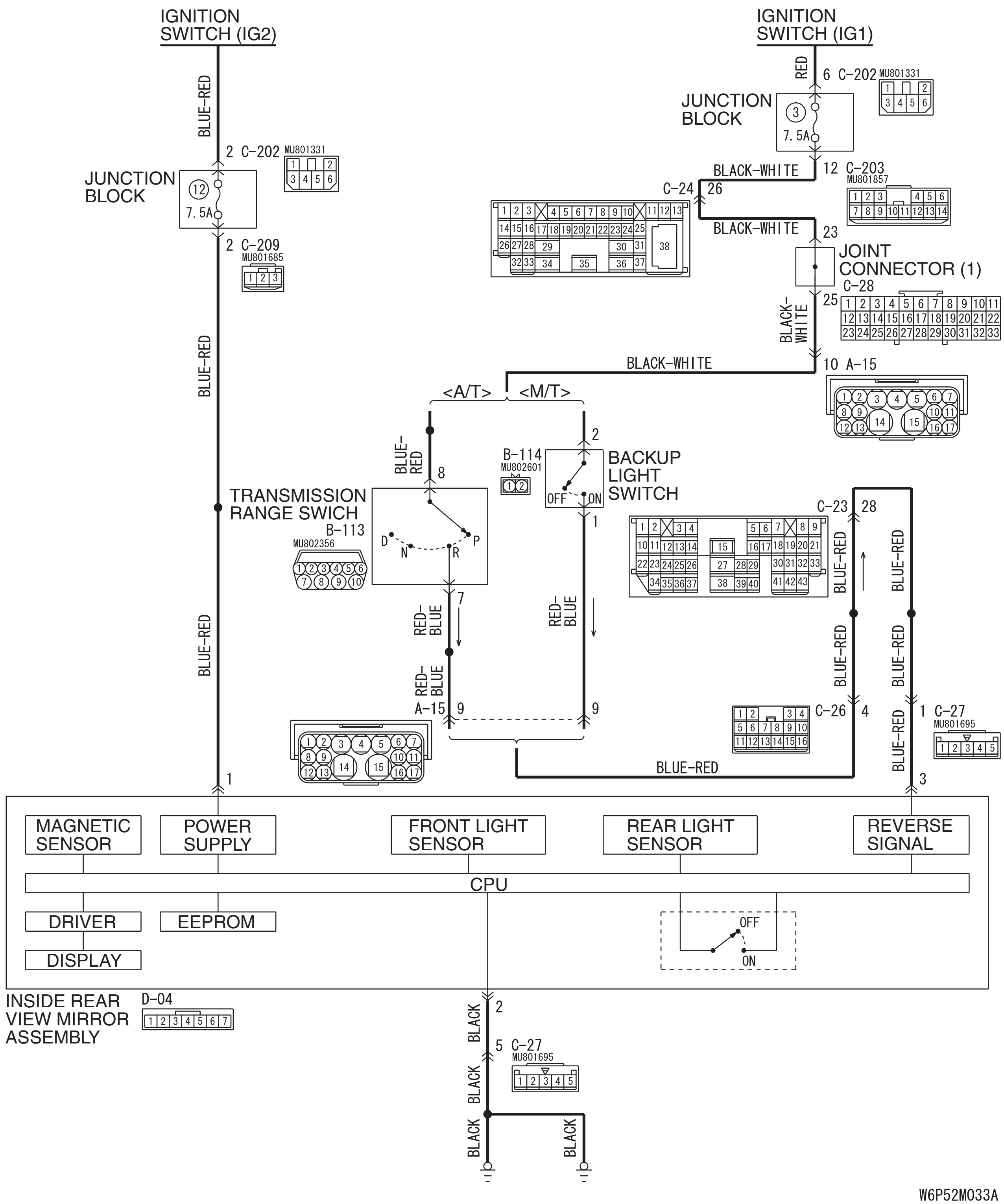
Use these steps to plan your diagnostic strategy. If you follow them carefully, you will be sure that you have exhausted most of the possible ways to find a inside rear view mirror fault.

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.

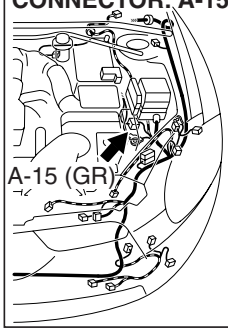
SYMPTOM PROCEDURES

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

Automatic Anti-Glare Mirror Circuit

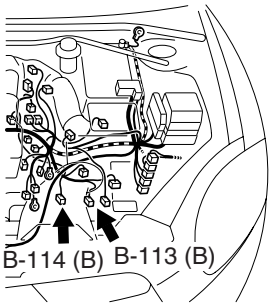


CONNECTOR: A-15



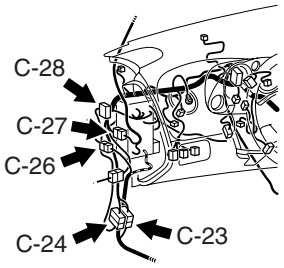
AC406432 AF

CONNECTORS: B-113 <A/T>, B-114 <M/T>



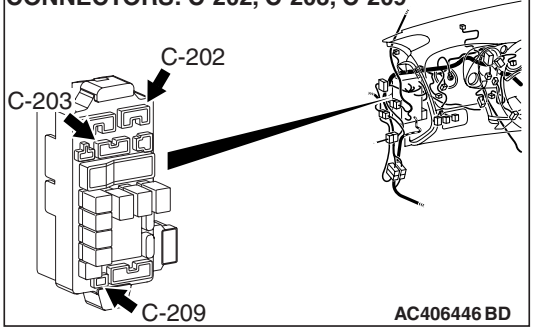
AC406440 AG

CONNECTORS: C-23, C-24, C-26, C-27, C-28



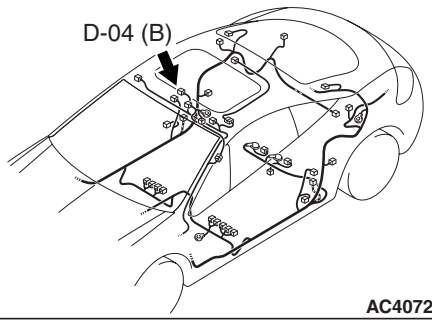
AC406442 CL

CONNECTORS: C-202, C-203, C-209



AC406446 BD

CONNECTOR: D-04



AC407245 AF

FUNCTION

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

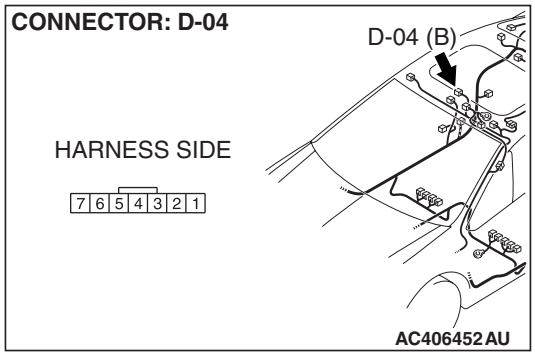
TROUBLESHOOTING HINTS

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

DIAGNOSIS

Required Special Tools:

- MB991223: Harness Set
- MB992006: Extra Fine Probe

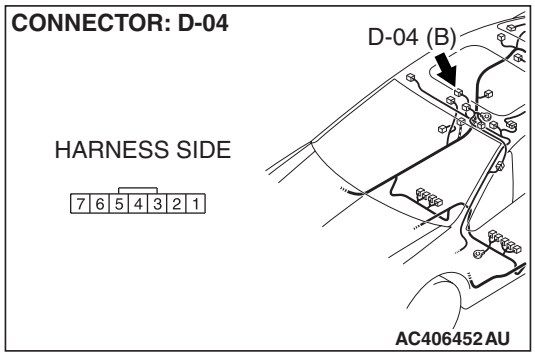


STEP 1. Check inside rear view mirror assembly connector D-04 for loose, corroded or damaged terminals, or terminals pushed back in the connector.

Q: Is inside rear view mirror assembly connector D-04 in good condition?

YES : Go to Step 2.

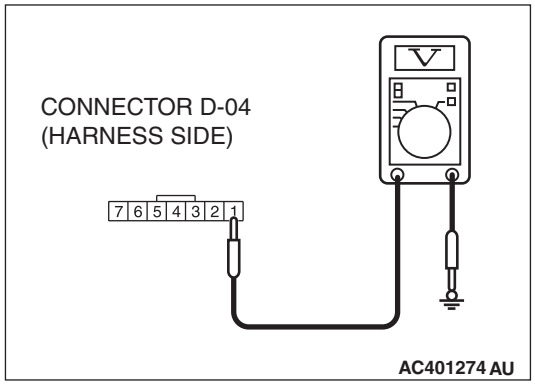
NO : Repair or replace the connector. Refer to GROUP 00E, Harness Connector Inspection P.00E-2.



STEP 2. Measure the voltage at inside rear view mirror assembly connector D-04.

(1) Disconnect inside rear view mirror assembly connector D-04, and measure the voltage at the wiring harness side.

(2) Turn the ignition switch to the "ON" position.



(3) Measure the voltage between terminal 1 and ground.

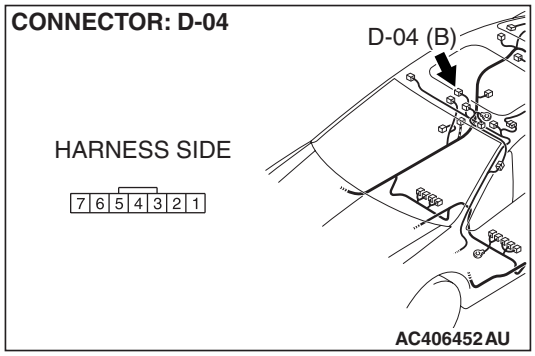
- The measured value should be approximately 12 volts (battery positive voltage).

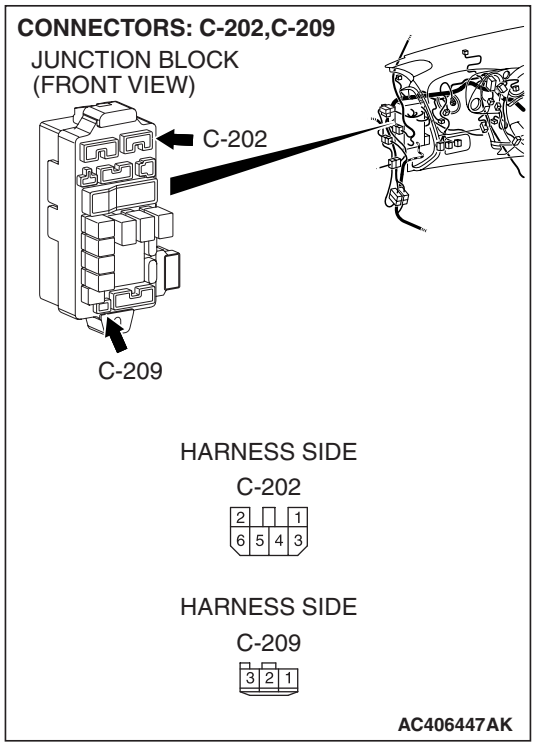
Q: Is the measured voltage approximately 12 volts?

YES : Go to Step 4.

NO : Go to Step 3.

STEP 3. Check the wiring harness between inside rear view mirror assembly connector D-04 (terminal 1) and the ignition switch (IG2).





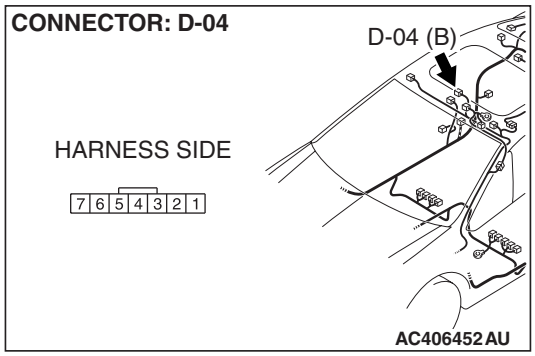
NOTE: Also check junction block connector C-202 and C-209 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If junction block connector C-202 and C-209 is damaged, repair or replace the connector as described in GROUP 00E, Harness Connector Inspection P.00E-2.

Q: Is the wiring harness between inside rear view mirror assembly connector D-04 (terminal 1) and the ignition switch (IG2) in good condition?

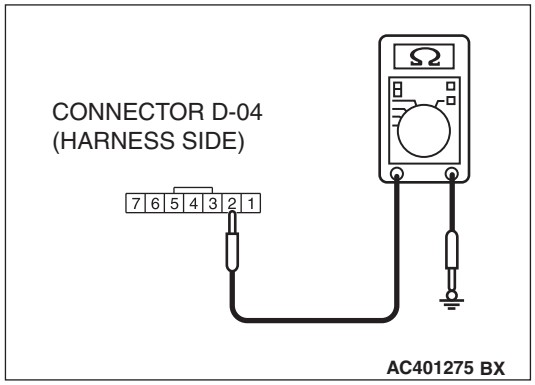
YES : It can be assumed that this malfunction is intermittent. Refer to GROUP 00, How to Use Troubleshooting/Inspection Service Points –How to Cope with Intermittent Malfunctions P.00-14.

NO : Repair the wiring harness.

STEP 4. Measure the resistance at inside rear view mirror assembly connector D-04.



(1) Disconnect inside rear view mirror assembly connector D-04, and measure the resistance at the wiring harness side.

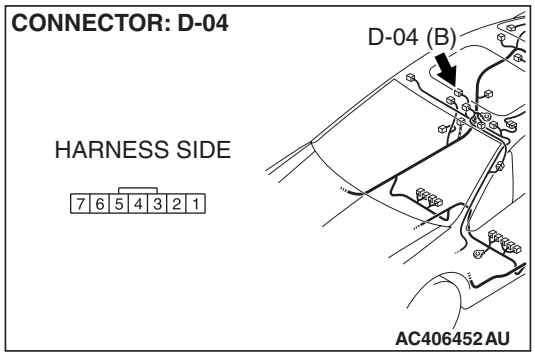


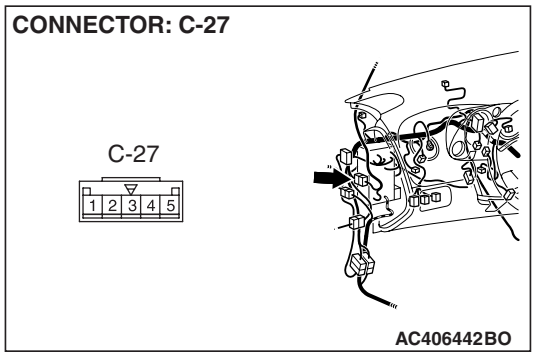
(2) Measure the resistance value between terminal 2 and ground.
- The measured value should be 2 ohms or less.

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-04 (terminal 2) and ground.



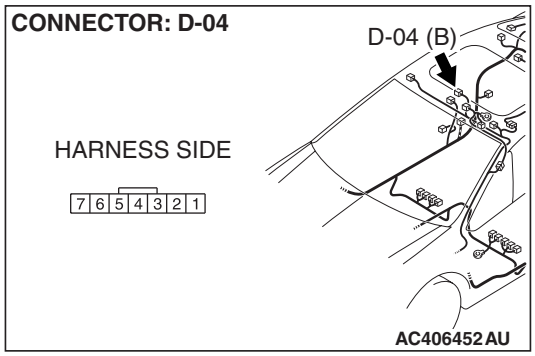


NOTE: Also check intermediate connector C-27 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If intermediate connector C-27 is damaged, repair or replace the connector as described in GROUP 00E, Harness Connector Inspection P.00E-2.

Q: Is the wiring harness between inside rear view mirror assembly connector D-04 (terminal 2) and ground in good condition?

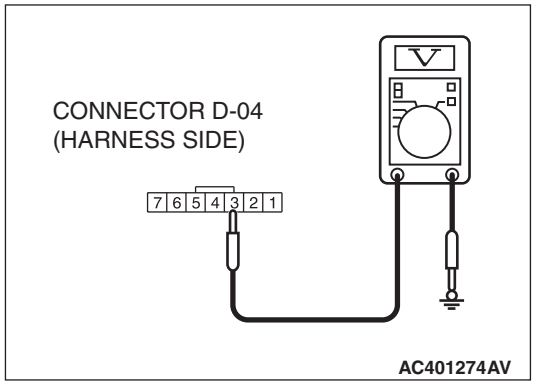
YES : It can be assumed that this malfunction is intermittent. Refer to GROUP 00, How to Use Troubleshooting/Inspection Service Points –How to Cope with Intermittent Malfunctions P.00-14.
NO : Repair the wiring harness.

TSB Revision



STEP 6. Measure the voltage at inside rear view mirror assembly connector D-04.

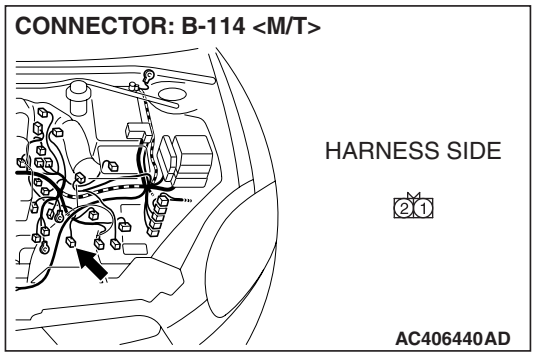
(1) Disconnect inside rear view mirror assembly connector D-04, and measure the voltage at the harness side.
(2) Turn the ignition switch to the "ON" position.
(3) Shift the shift lever to the reverse position. <M/T>
(4) Shift the selector lever to the "R" range. <A/T>



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

Q: Is the measured voltage approximately 12 volts?

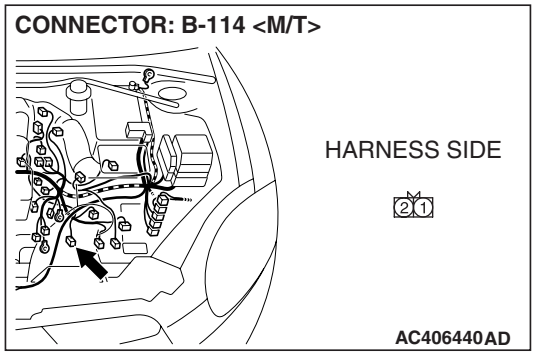
YES : Go to Step 17.
NO <M/T> : Go to Step 7.
NO <A/T> : Go to Step 12.



STEP 7. Check backup light switch connector B-114 for loose, corroded or damaged terminals, or terminals pushed back in the connector.

Q: Is the backup light switch connector B-114 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 backup light switch.

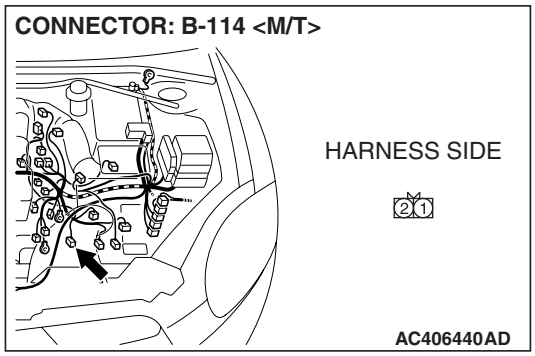
Disconnect backup light switch connector B-114. Then check continuity between the switch terminals.

SWITCH POSITION	TESTER CONNECTION	SPECIFIED CONDITION
Other than "R"	1 –2	Open circuit
R	1 –2	Less than 2 ohm

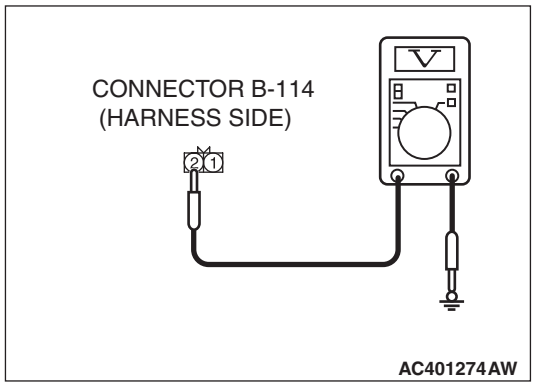
Q: Is the backup light switch in good condition?

YES : Go to Step 9.
NO : Replace the backup light switch.

STEP 9. Check the ignition switch (IG1) circuit to the backup light switch. Measure the voltage at backup light switch connector B-114.



(1) Disconnect backup light switch connector B-114 and measure the voltage available at the wiring harness side of the connector.
(2) Turn the ignition switch to the "ON" position.

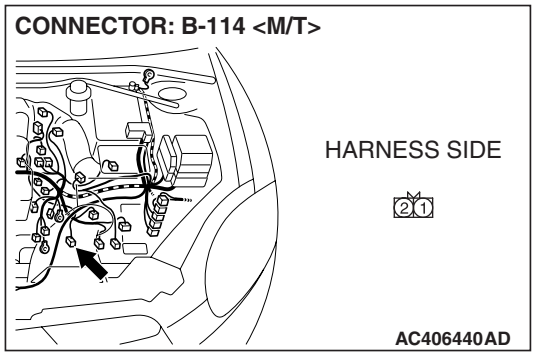


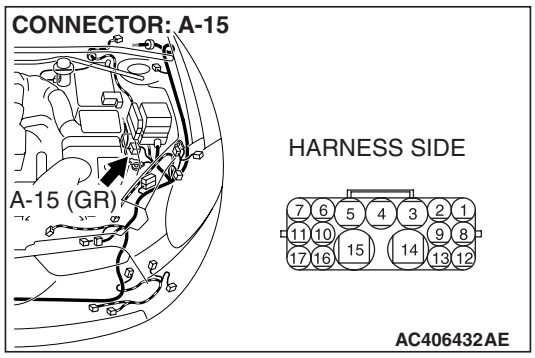
(3) Measure the voltage between terminal 2 and ground.
- The voltage should equal approximately 12 volts (battery positive voltage).

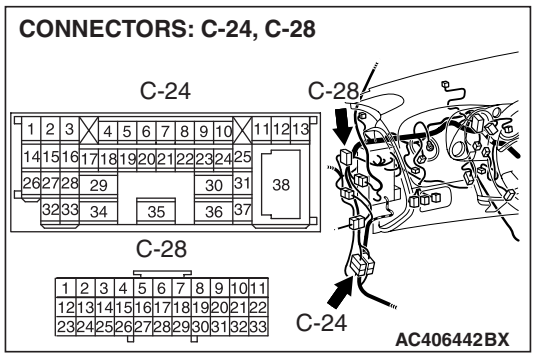
Q: Is the measured voltage approximately 12 volts (battery positive voltage)?

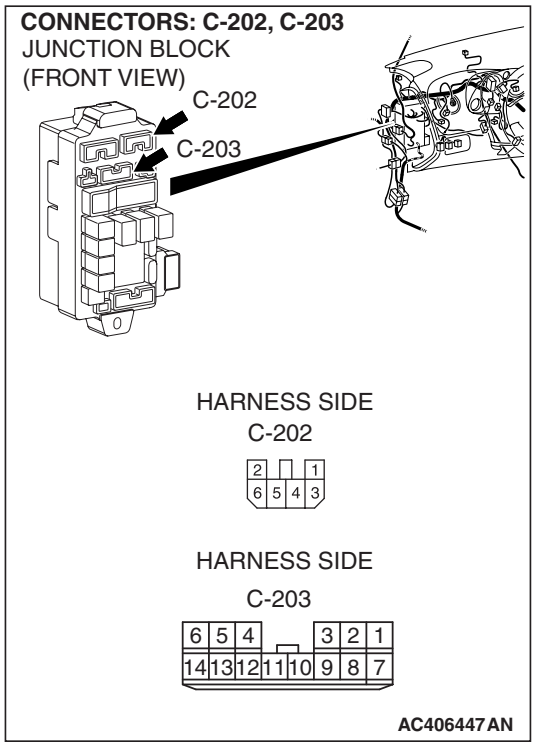
YES : Go to Step 11.
NO : Go to Step 10.

STEP 10. Check the wiring harness between backup light switch connector B-114 (terminal 2) and the ignition switch (IG1).









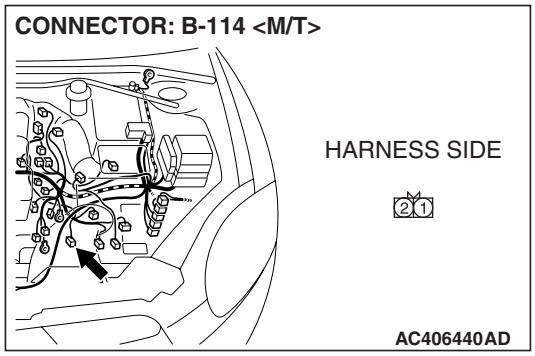
NOTE: Also check junction block connectors C-202, C-203, joint connector C-28, intermediate connectors A-15 and C-24 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If junction block connectors C-202, C-203, joint connector C-28, intermediate connectors A-15 or C-24 are damaged, Repair or replace the damaged component(s) as described in GROUP 00E, Harness Connector Inspection P.00E-2.

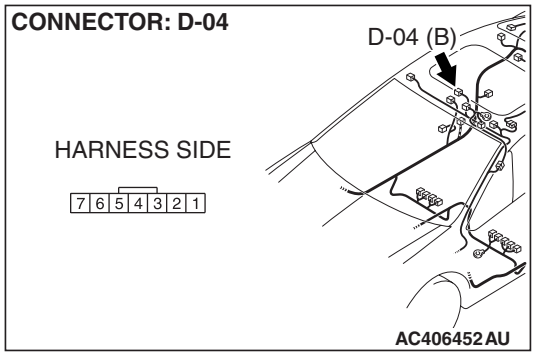
Q: Is the wiring harness between backup light switch connector B-114 (terminal 2) and the ignition switch (IG1) in good condition?

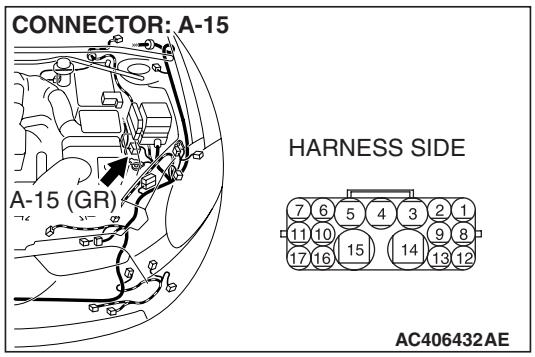
YES : No action is necessary and testing is complete.

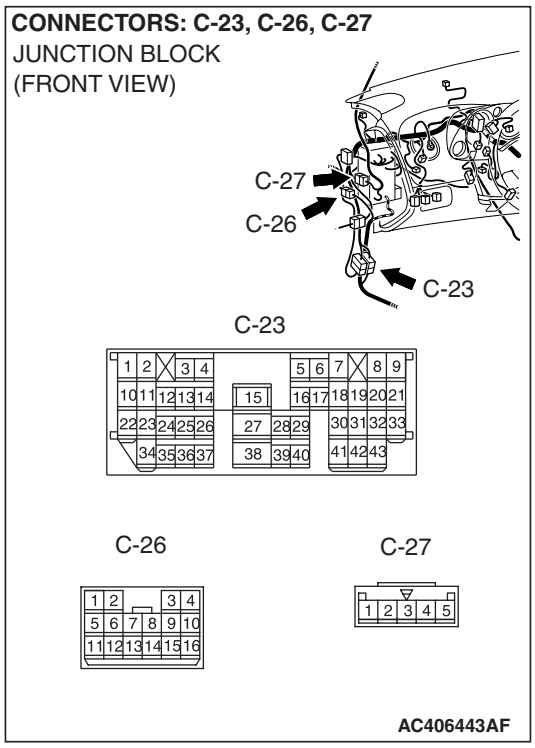
NO : The wiring harness may be damaged or the connector(s) may have loose, corroded or damaged terminals, or terminals pushed back in the connector. Repair the wiring harness as necessary.

STEP 11. Check the wiring harness between inside rear view mirror assembly connector D-04 (terminal 3) and backup light switch connector B-114 (terminal 1).









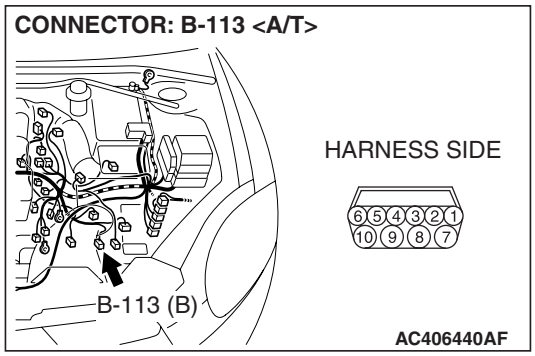
NOTE: Also check intermediate connectors C-27, C-23, C-26 and A-15 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If intermediate connectors C-27, C-23, C-26 and A-15 is damaged, repair or replace the connector as described in GROUP 00E, Harness Connector Inspection P.00E-2.

Q: Is the wiring harness between inside rear view mirror assembly connector D-04 (terminal 3) and backup light switch connector B-114 (terminal 1) 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.

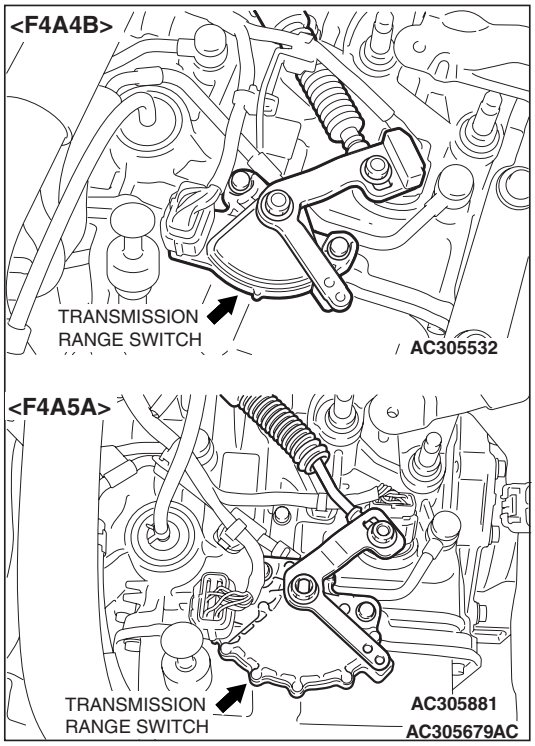
STEP 12. Check transmission range switch connector B-113 for loose, corroded or damaged terminals, or terminals pushed back in the connector.

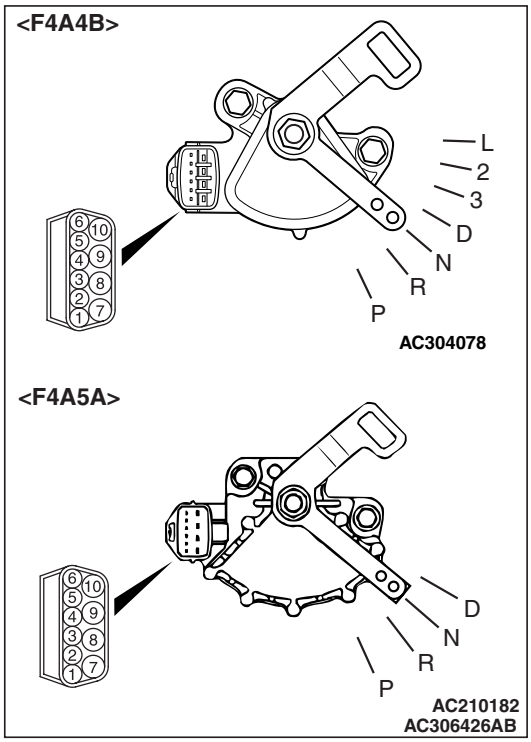


Q: Is the transmission range switch connector B-113 in good condition?

YES : Go to Step 13.

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





STEP 13. Check the transmission range switch.

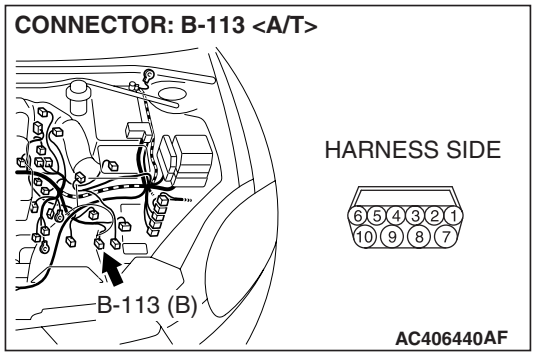
TRANSMISSION RANGE	TERMINAL CONNECTION OF TESTER	SPECIFIED CONDITION
P	3 – 8, 9 – 10	Less than 2 ohms.
R	7 – 8	
N	4 – 8, 9 – 10	
D	1 – 8	
3	5 – 8	
2	2 – 8	
L	6 – 8	

NOTE: For vehicles with sport mode, four positions (P, R, N, D) are used.

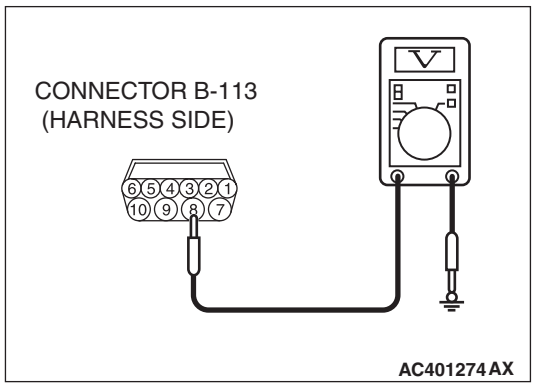
Q: Is the transmission range switch in good condition?

YES : Go to Step 14.
NO : Replace the transmission range switch.

STEP 14. Check the ignition switch (IG1) circuit to the backup light switch. Measure the voltage at transmission range switch connector B-113.



(1) Disconnect transmission range switch connector B-113 and measure the voltage available at the wiring harness side of the connector.
(2) Turn the ignition switch to the "ON" position.

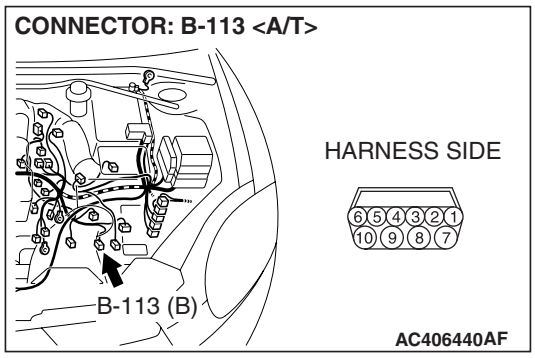


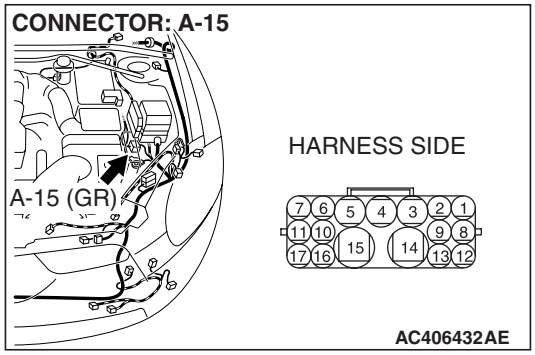
(3) Measure the voltage between terminal 8 and ground.
- The voltage should equal approximately 12 volts (battery positive voltage).

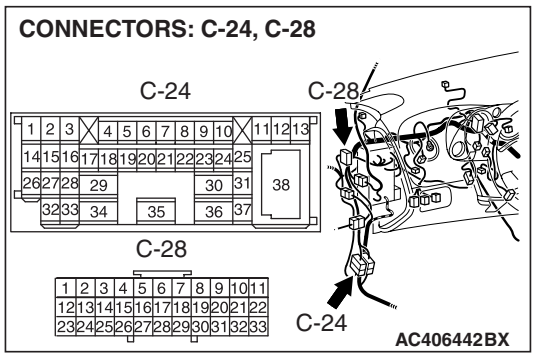
Q: Is the measured voltage approximately 12 volts (battery positive voltage)?

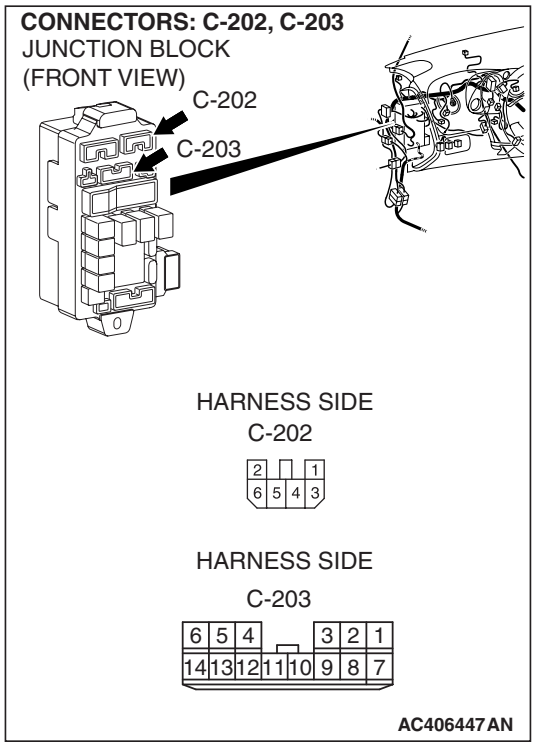
YES : Go to Step 16.
NO : Go to Step 15.

STEP 15. Check the wiring harness between transmission range switch connector B-113 (terminal 8) and the ignition switch (IG1).









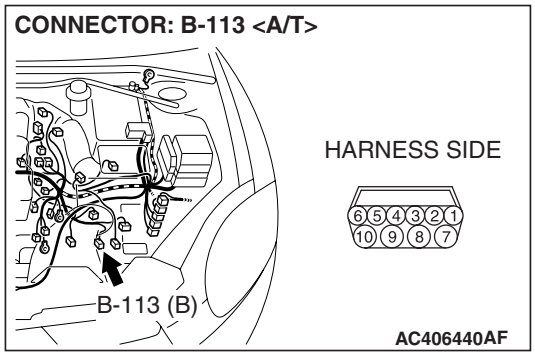
NOTE: Also check junction block connectors C-202, C-203, joint connector C-28, intermediate connectors A-15 and C-24 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If junction block connectors C-202, C-203, joint connector C-28, intermediate connectors A-15 or C-24 are damaged, Repair or replace the damaged component(s) as described in GROUP 00E, Harness Connector Inspection P.00E-2.

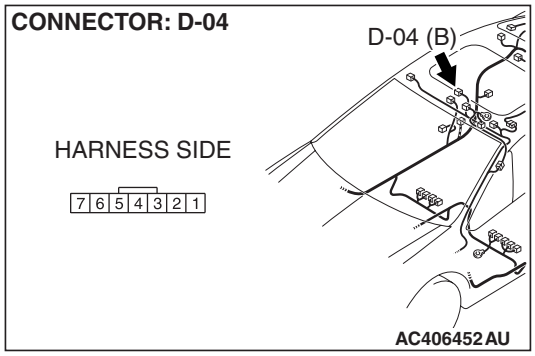
Q: Is the wiring harness between transmission range switch connector B-113 (terminal 8) and the ignition switch (IG1) in good condition?

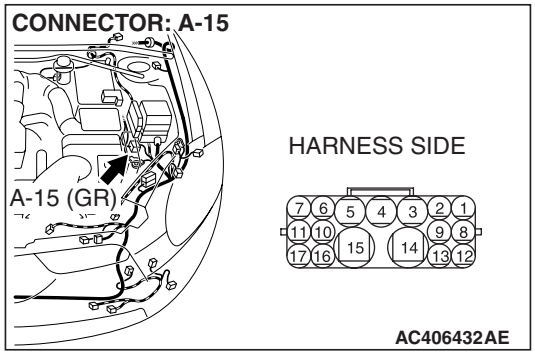
YES : No action is necessary and testing is complete.

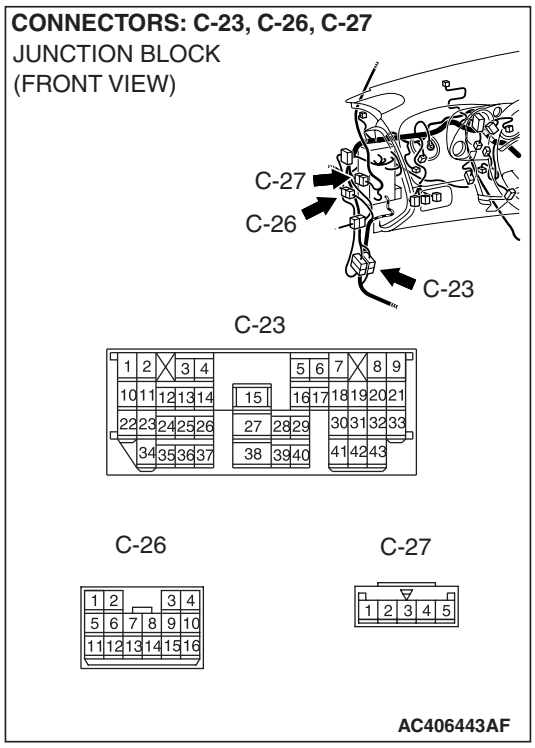
NO : The wiring harness may be damaged or the connector(s) may have loose, corroded or damaged terminals, or terminals pushed back in the connector. Repair the wiring harness as necessary.

STEP 16. Check the wiring harness between inside rear view mirror assembly connector D-04 (terminal 3) and transmission range switch connector B-113 (terminal 7).









NOTE: Also check intermediate connectors C-27, C-23, C-26 and A-15 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If intermediate connectors C-27, C-23, C-26 and A-15 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-04 (terminal 3) and transmission range switch connector B-113 (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 17. Check the inside rear view mirror assembly.

Refer to P.52A-20.

Q: Is the check result normal?

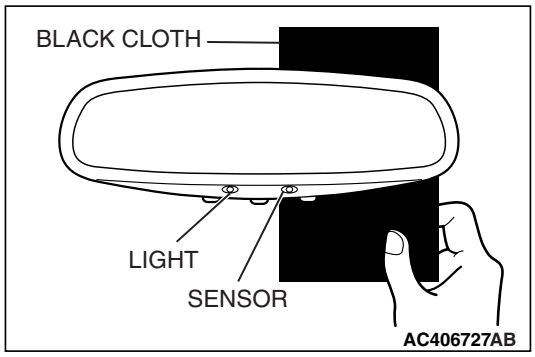
YES : It can be assumed that this malfunction is intermittent. Refer to GROUP 00, How to Use Troubleshooting/Inspection Service Points –How to Cope with Intermittent Malfunctions P.00-14.

NO : Replace the inside rear view mirror assembly.

ON-VEHICLE SERVICE

AUTO-DIMMING FEATURE TEST

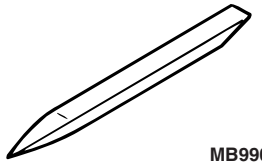
M1524012500069



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

M1521000600424

TOOL	TOOL NUMBER AND NAME	SUPERSESSION	APPLICATION
 MB990784	MB990784 Ornament remover	General service tool	Removal of switch, trim, etc.

INSTRUMENT PANEL ASSEMBLY

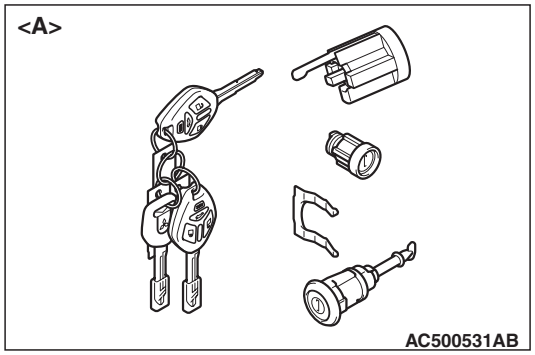
REMOVAL AND INSTALLATION

M1521001700811

⚠ CAUTION

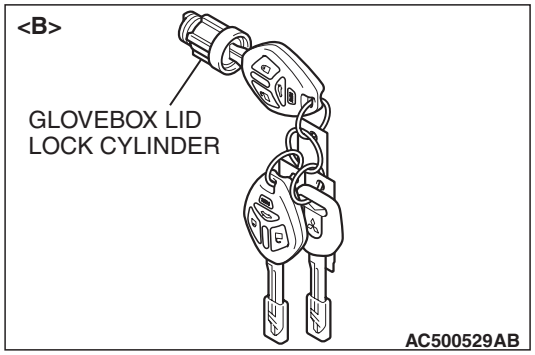
- **Refer to GROUP 52B, SRS Service Precautions P.52B-26 and Air bag Module and Clock Spring P.52B-408 before removing the passenger side air bag module.**
- **Do not subject the SRS-ECU to any shocks when removing or installing the instrument panel.**
- **When the glove box lid lock cylinder is replaced 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-13.**

<A>



AC500531AB

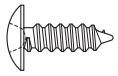
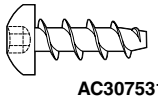
<B>



AC500529AB

- **When replacing by the glove box lid lock cylinder of illustration <B>, 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	-	 AC104450
	b	5 × 16	-	
	c	8 × 15	-	 AC307531
WASHER ASSEMBLY BOLT	d	6 × 16	-	 AC104417
	e	6 × 30	-	

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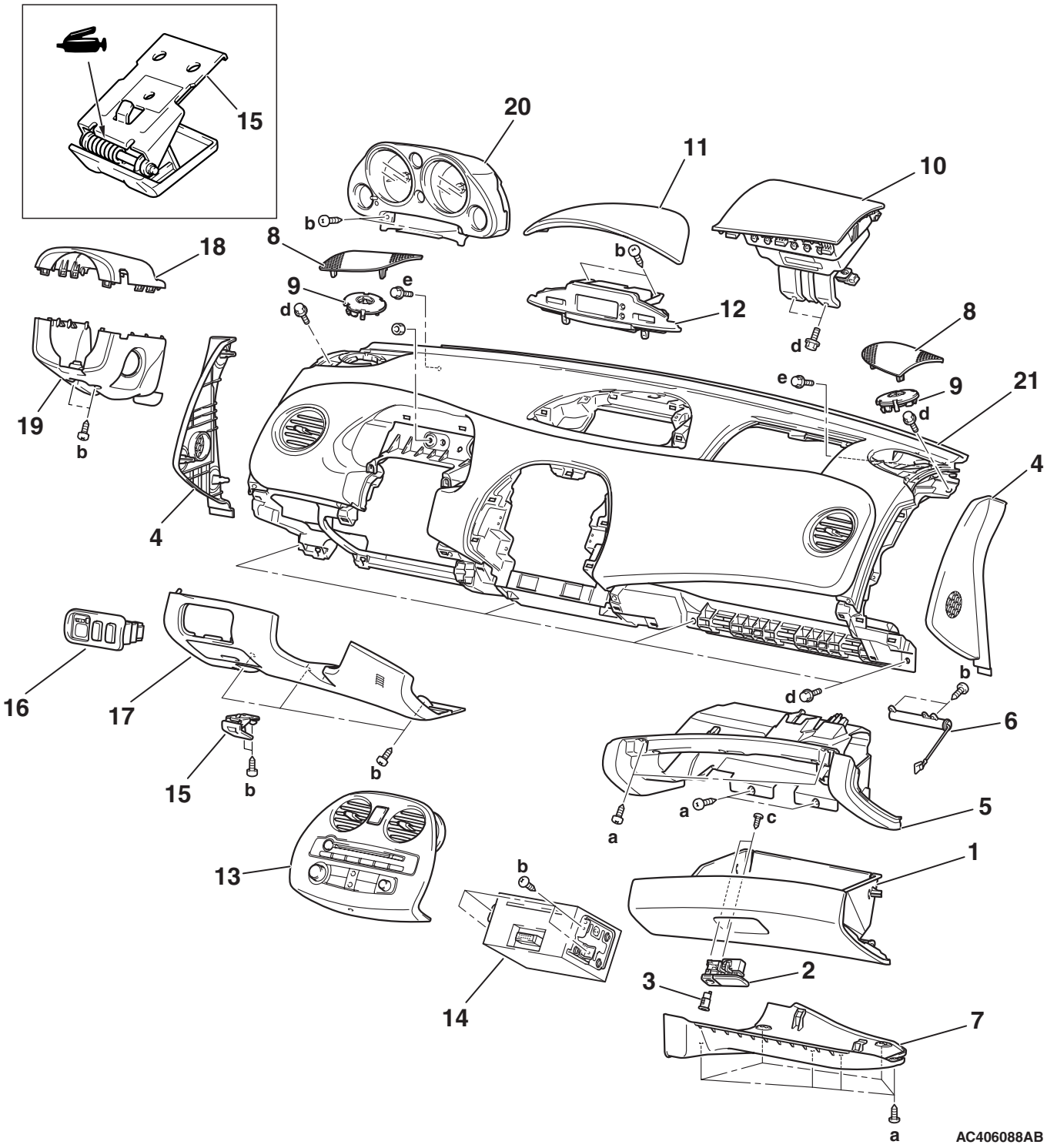

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REMOVAL STEPS

- FLOOR CONSOLE ASSEMBLY (REFER TO P.52A-28.)

1. GLOVEBOX
2. GLOVEBOX LOCK
3. GLOVEBOX LID LOCK CYLINDER
4. INSTRUMENT PANEL SIDE COVER
5. INSTRUMENT PANEL PARCEL BOX
6. GLOVEBOX DAMPER

<<A>>

7. INSTRUMENT PANEL UNDER COVER

- FRONT PILLAR TRIM (REFER TO P.52A-31.)

8. FRONT SPEAKER GARNISH
9. FRONT SPEAKER
10. AIR BAG MODULE ASSEMBLY <FRONT PASSENGER'S SIDE> (REFER TO GROUP 52B, AIR BAG MODULE(S) AND CLOCK SPRING P.52B-408.)
11. INSTRUMENT PANEL CENTER COVER
12. MULTI-CENTER DISPLAY ASSEMBLY
13. INSTRUMENT CENTER PANEL ASSEMBLY
14. RADIO, CD PLAYER ASSEMBLY OR RADIO, CD PLAYER AND CD CHANGER ASSEMBLY
15. HOOD LOCK RELEASE HANDLE
16. SWITCH PANEL ASSEMBLY

<<B>>

<<B>>

<<B>>

<<C>>

REMOVAL STEPS (Continued)

17. INSTRUMENT LOWER PANEL ASSEMBLY

- AIR BAG MODULE ASSEMBLY <DRIVER'S SIDE> (REFER TO GROUP 52B, AIR BAG MODULE(S) AND CLOCK SPRING P.52B-408.)
- STEERING WHEEL ASSEMBLY (REFER TO GROUP 37, STEERING WHEEL P.37-27.)

18. STEERING COLUMN UPPER COVER
19. STEERING COLUMN LOWER COVER

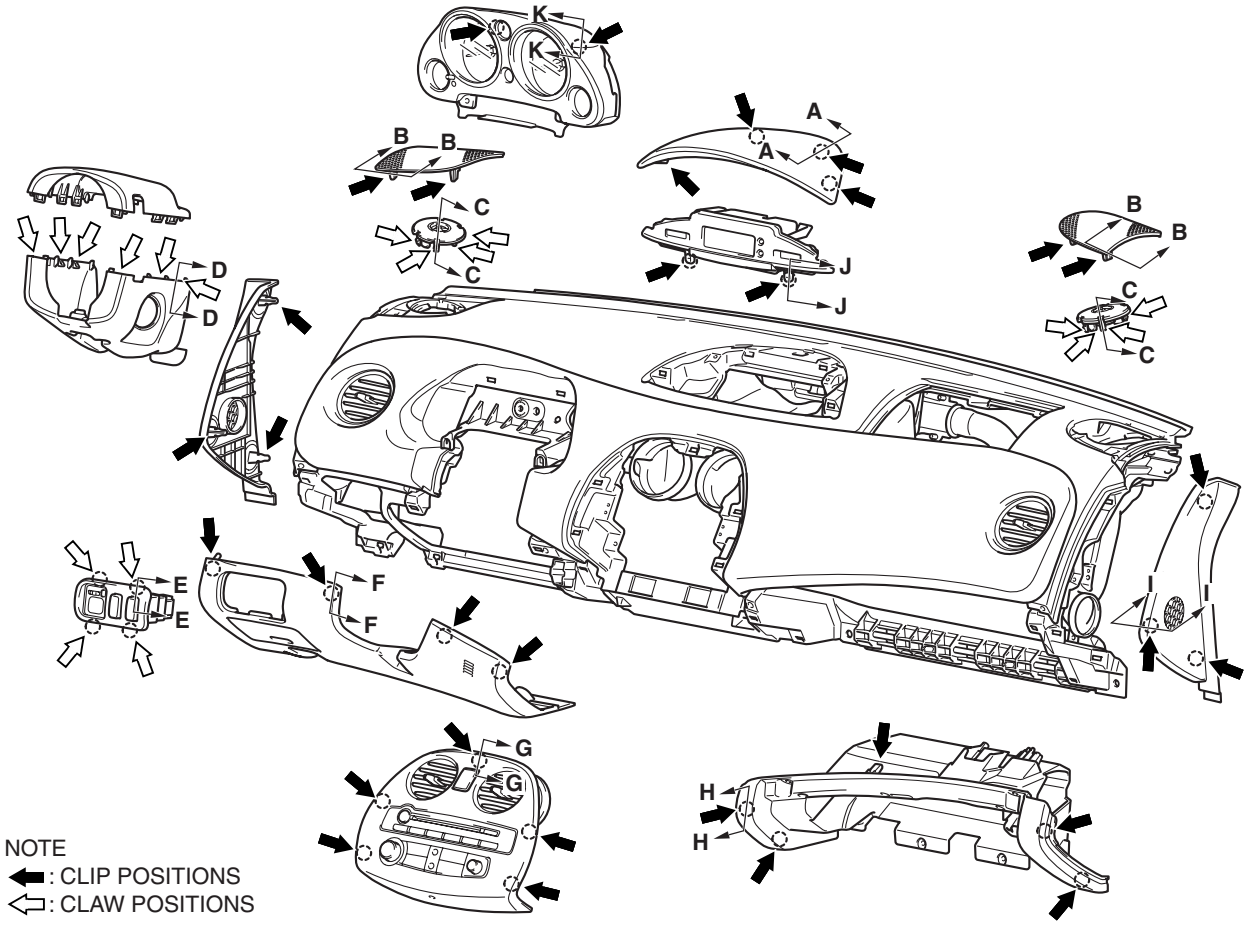
- CLOCK SPRING CONNECTOR
- COLUMN SWITCH CONNECTOR
- CLOCK SPRING AND COLUMN SWITCH ASSEMBLY (REFER TO GROUP 37, STEERING SHAFT P.37-29.)

20. COMBINATION METER ASSEMBLY

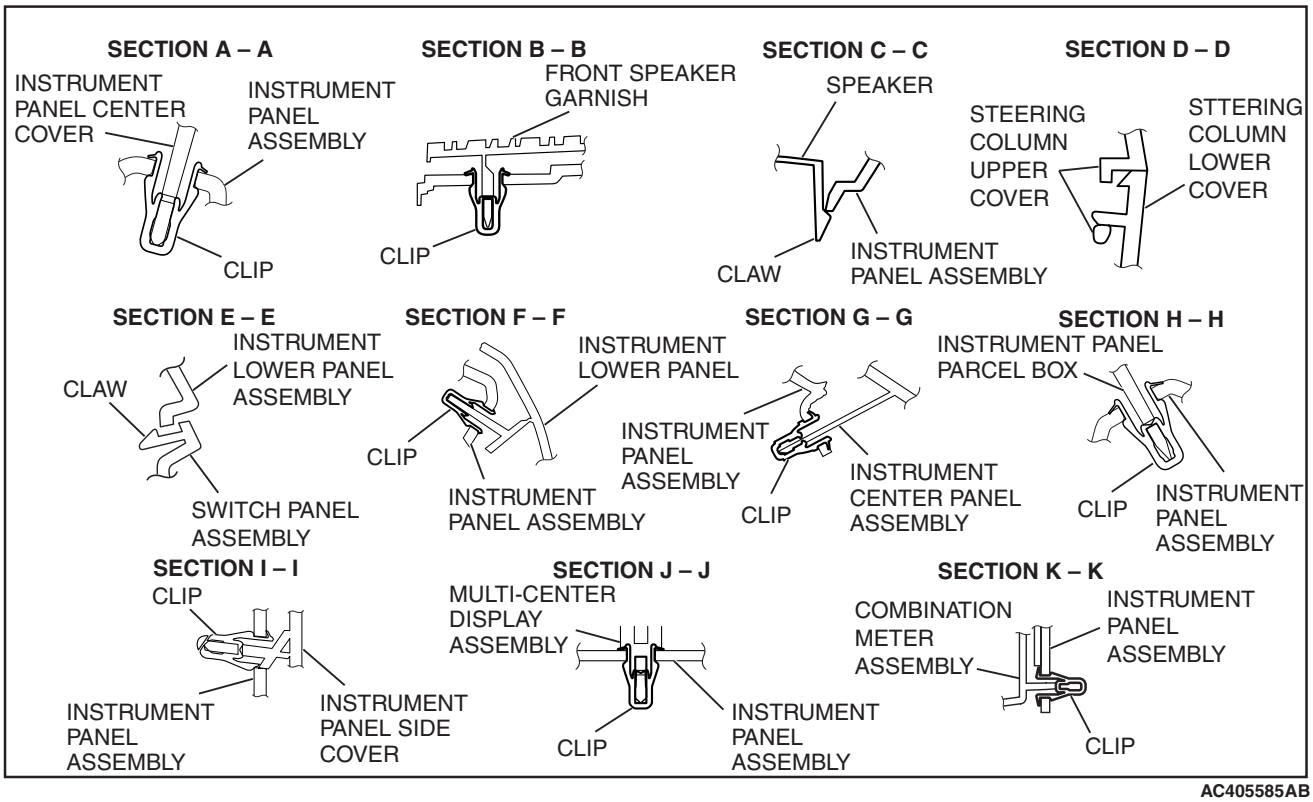
- FLOOR CONSOLE ASSEMBLY (REFER TO P.52A-28.)
- COWL SIDE TRIM (REFER TO P.52A-31.)
- AIR BAG MODULE CONNECTOR <PASSENGER'S SIDE> (REFER TO GROUP 52B, AIR BAG MODULE AND CLOCK SPRING P.52B-408.)

21. INSTRUMENT PANEL ASSEMBLY

CLIP AND CLAW POSITIONS



NOTE
⬅: CLIP POSITIONS
⇦: CLAW POSITIONS

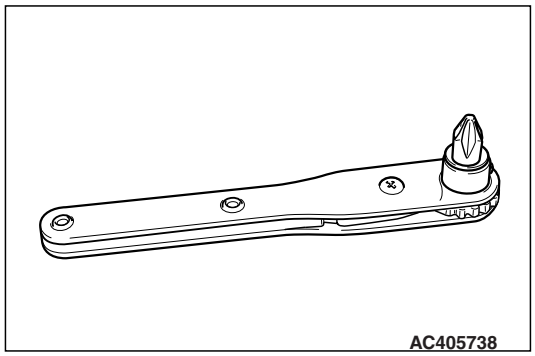


AC405585AB

REMOVAL SERVICE POINT

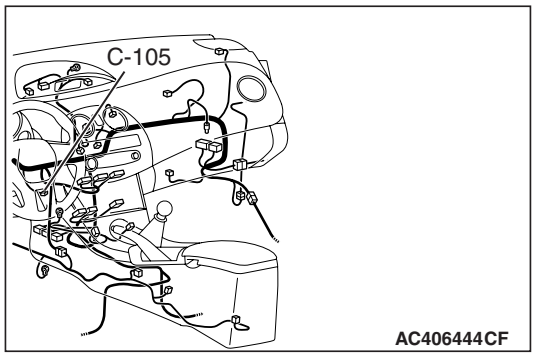
<<A>> INSTRUMENT PANEL UNDER COVER REMOVAL

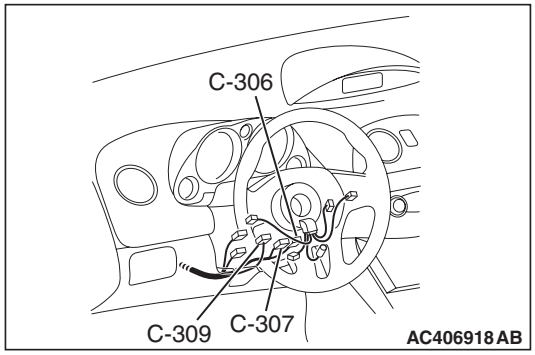
Use a commercial ratchet screwdriver to remove the instrument panel under cover mounting screw.



<<B>> CONNECTOR DISCONNECTION

Disconnect the connectors shown in the illustration.

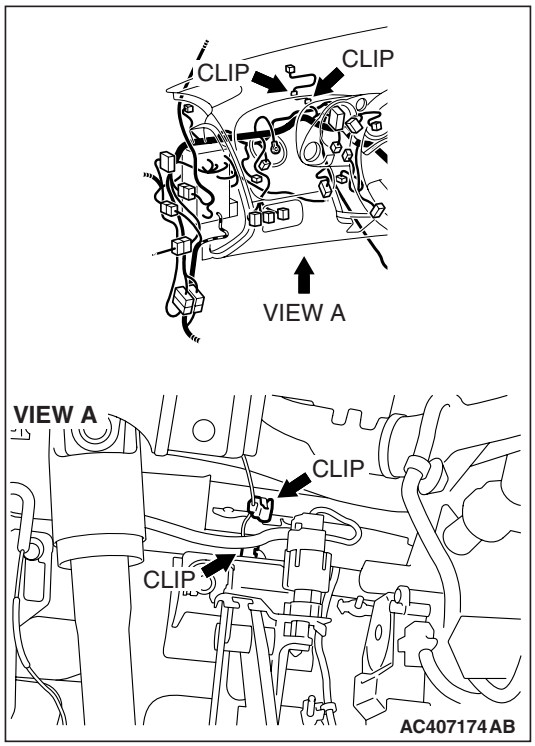




CONNECTOR NUMBER	CONNECTOR NAME
C-105 (2)	Heater air intake duct sensor connector
C-306 (6)	Clock spring connector
C-307 (4-Y)	Clock spring connector
C-309 (10)	Column switch connector

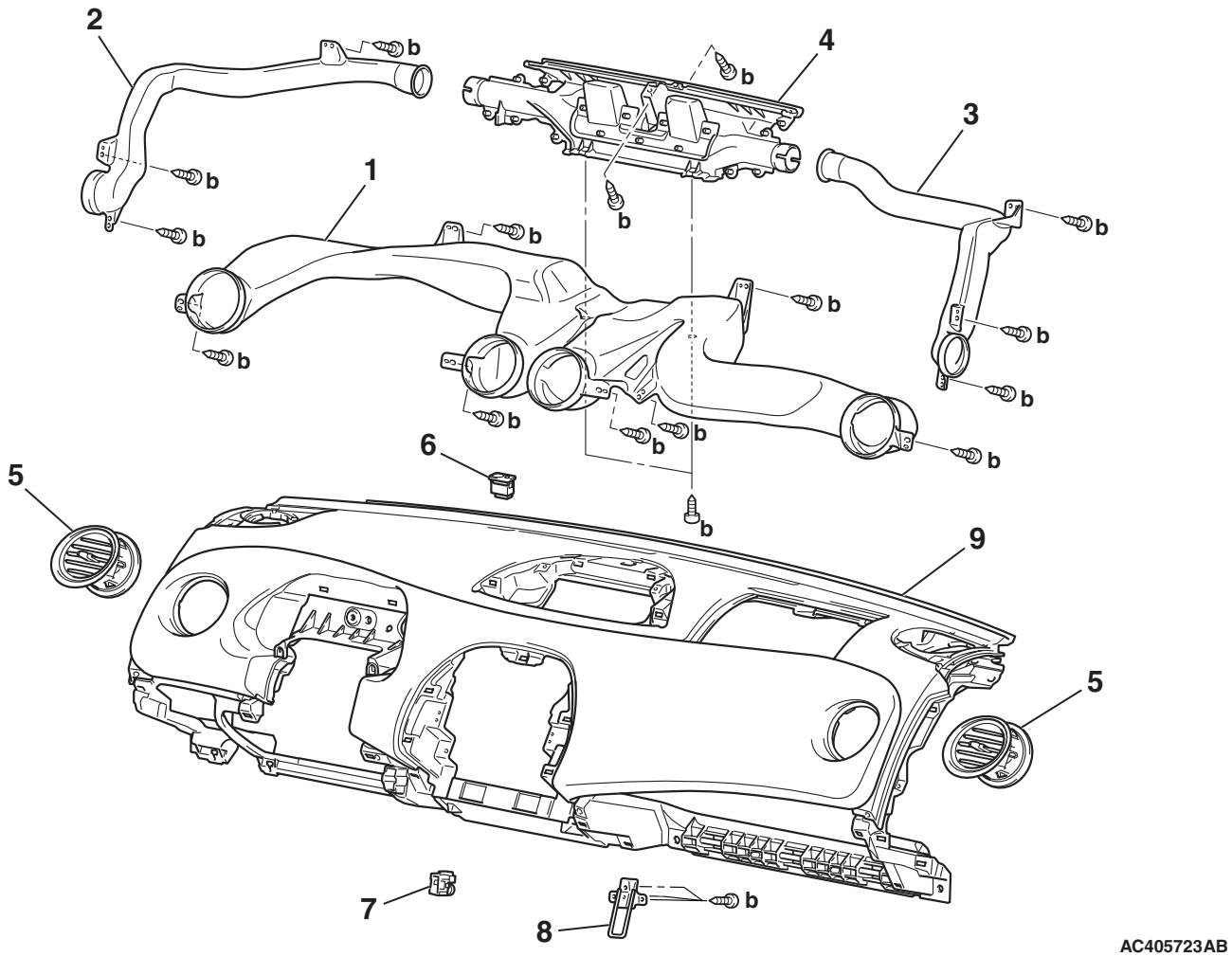
<<C>> INSTRUMENT PANEL ASSEMBLY REMOVAL

Slide the instrument panel slightly and remove the clip from the instrument panel as shown and disconnect the photo sensor connector.



DISASSEMBLY AND ASSEMBLY

M1521001900569



AC405723AB

DISASSEMBLY STEPS

1. VENTILATOR AIR DISTRIBUTION DUCT
2. SIDE DEFROSTER DUCT LH
3. SIDE DEFROSTER DUCT RH
4. DEFROSTER NOZZLE
5. INSTRUMENT PANEL SIDE AIR OUTLET
6. PHOTO SENSOR <VEHICLES WITH AUTOMATIC AIR CONDITIONING> (REFER TO GROUP 55B, SENSORS P.55B-190.)

DISASSEMBLY STEPS

7. HEATER AIR INTAKE DUCT SENSOR <VEHICLES WITH AUTOMATIC AIR CONDITIONING> (REFER TO GROUP 55B, SENSORS P.55B-190.)
8. GLOVEBOX STRIKER
9. INSTRUMENT PANEL

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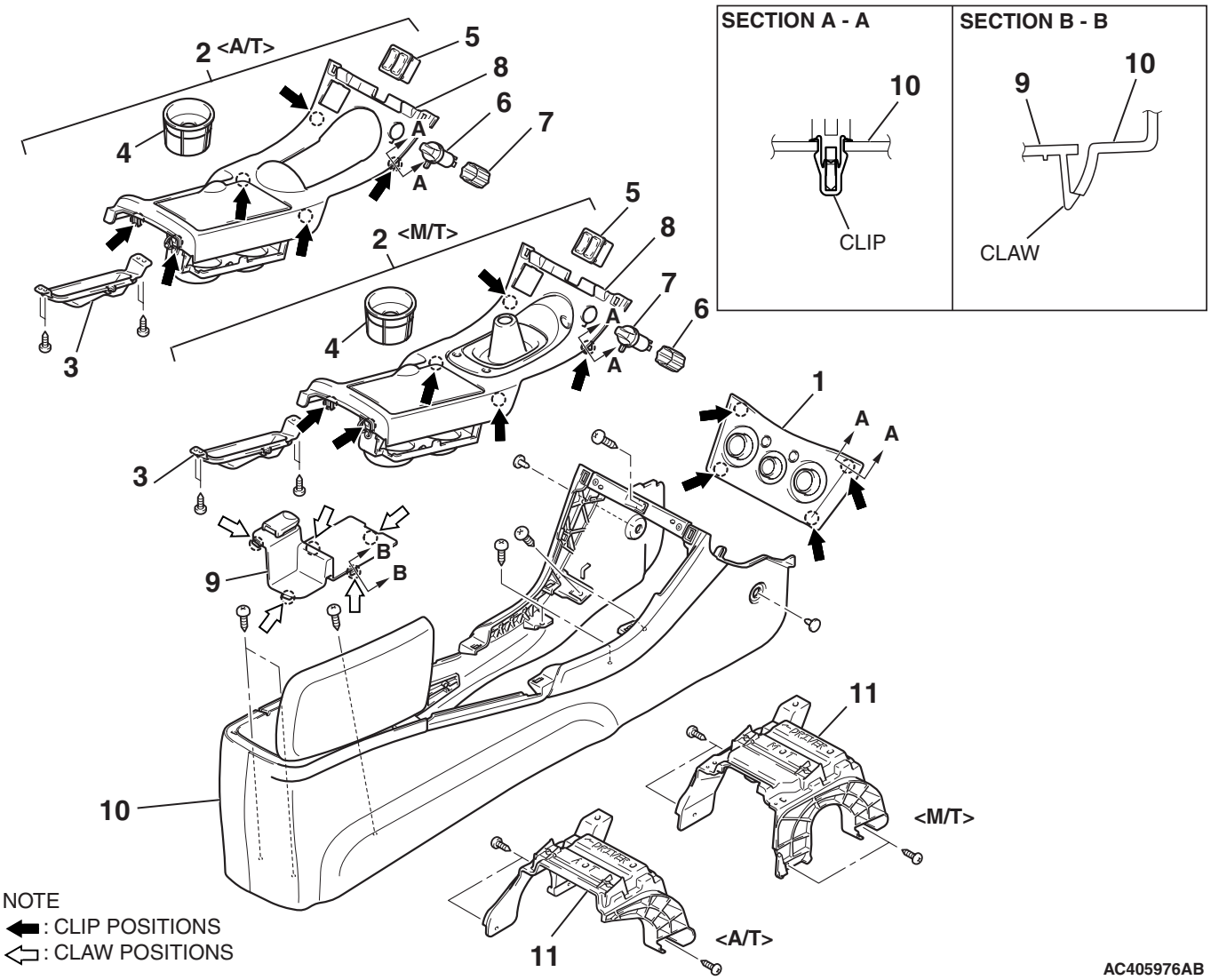
FLOOR CONSOLE ASSEMBLY

REMOVAL AND INSTALLATION

M1521002200466



REMOVAL STEPS

1. CENTER PANEL ASSEMBLY
2. FLOOR CONSOLE CENTER PANEL ASSEMBLY
3. PARK BRAKE BOOT PANEL
4. CUP HOLDER INSERT
5. HEATED SEAT SWITCH <VEHICLES WITH HEATEDSEAT>
6. ACCESSORY SOCKET (ACC)

REMOVAL STEPS (Continued)

7. ACCESSORY SOCKET (ACC) COVER
8. FLOOR CONSOLE CENTER PANEL
9. FLOOR CONSOLE PLATE BOX ASSEMBLY
10. FLOOR CONSOLE ASSEMBLY
11. FLOOR CONSOLE BRACKET

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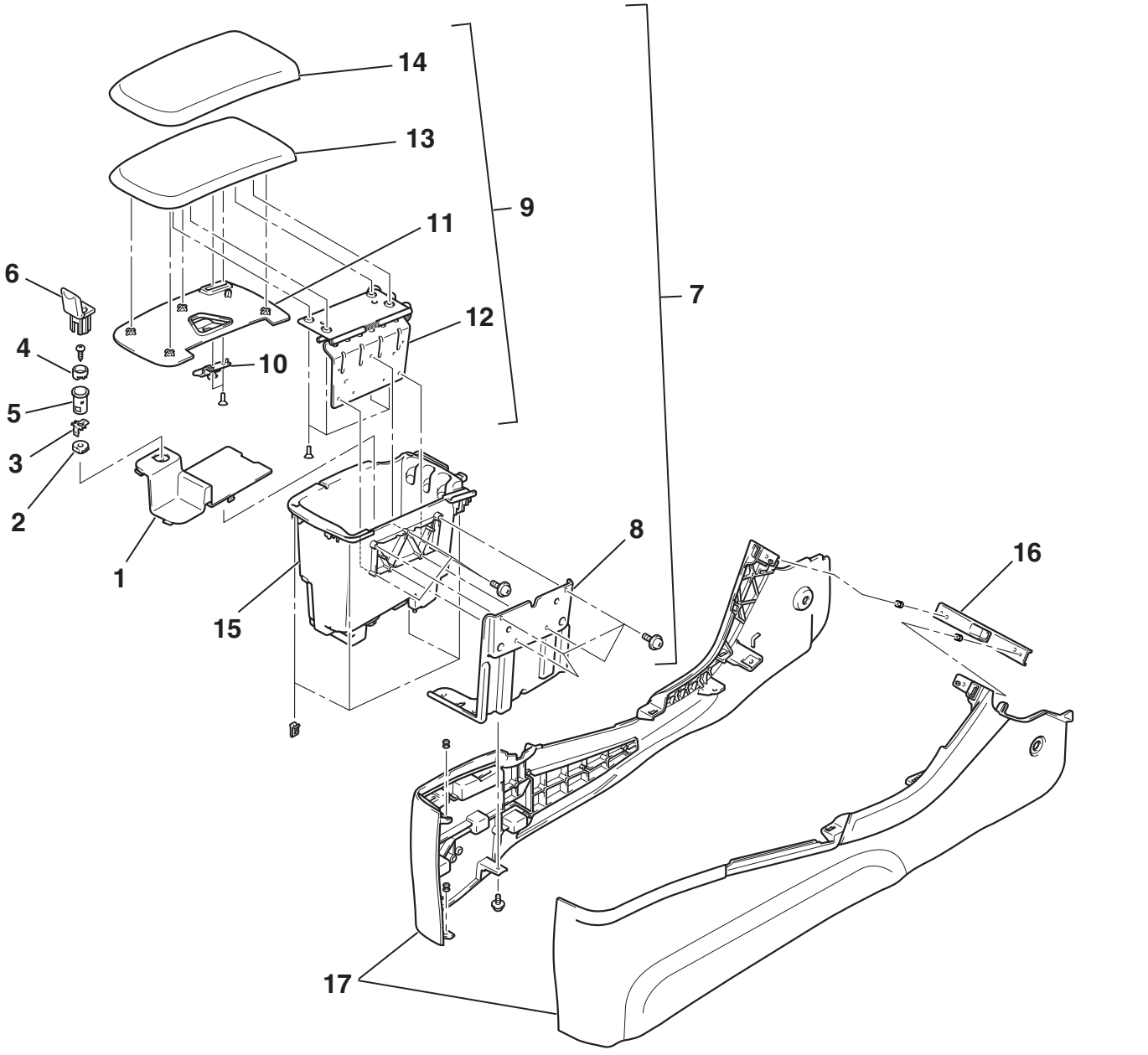
DISASSEMBLY AND ASSEMBLY

M1521002400181



AC405975AB

REMOVAL STEPS

1. FLOOR CONSOLE PLATE BOX
2. ACCESSORY SOCKET (BATTERY) TERMINAL
3. ACCESSORY SOCKET (BATTERY) TERMINAL
4. ACCESSORY SOCKET (BATTERY) CASE A

<<A>>

5. ACCESSORY SOCKET (BATTERY) CASE B
6. ACCESSORY SOCKET (BATTERY) COVER
7. FLOOR CONSOLE BOX ASSEMBLY

REMOVAL STEPS (Continued)

8. CONSOLE BRACKET
9. LID ASSEMBLY
10. LID LOCK LEVER
11. ARMREST LINER
12. ARMREST HINGE
13. ARMREST SUBSTRATE
14. ARMREST SKIN
15. FLOOR CONSOLE BOX
16. BASE SIDE PANEL STRAP SPACER
17. BASE SIDE PANEL

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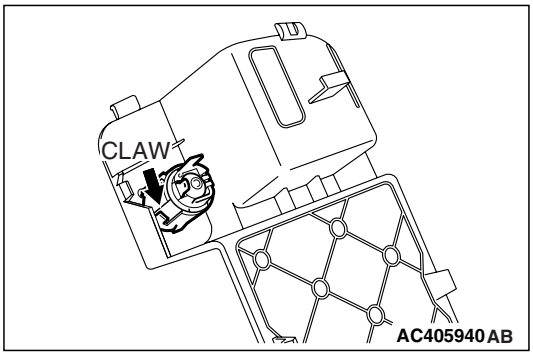
REMOVAL SERVICE POINT

<<A>> ACCESSORY SOCKET (BATTERY) CASE B

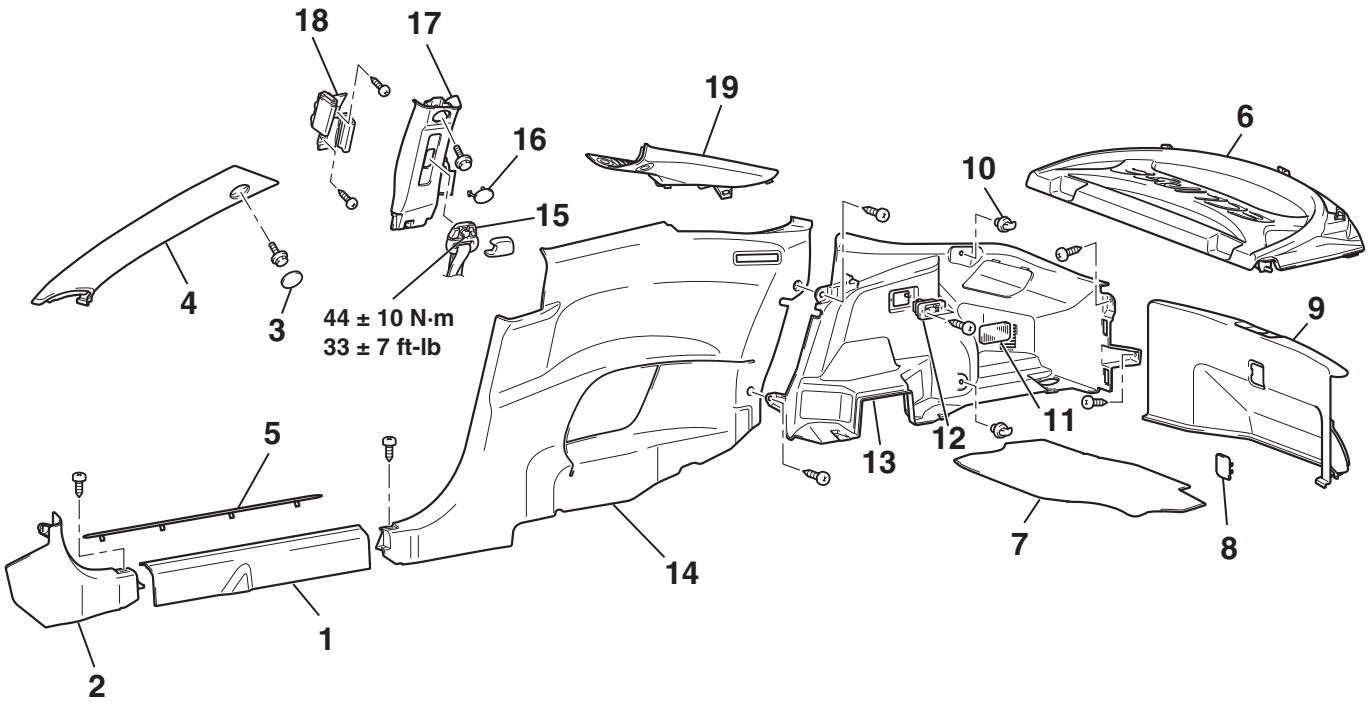


Disengage the claw shown in the illustration and remove the accessory socket.

TRIMS

REMOVAL AND INSTALLATION

M1521001100660



AC405655 AB

1. SCUFF PLATE INNER
2. COWL SIDE TRIM
3. SCREW CAP

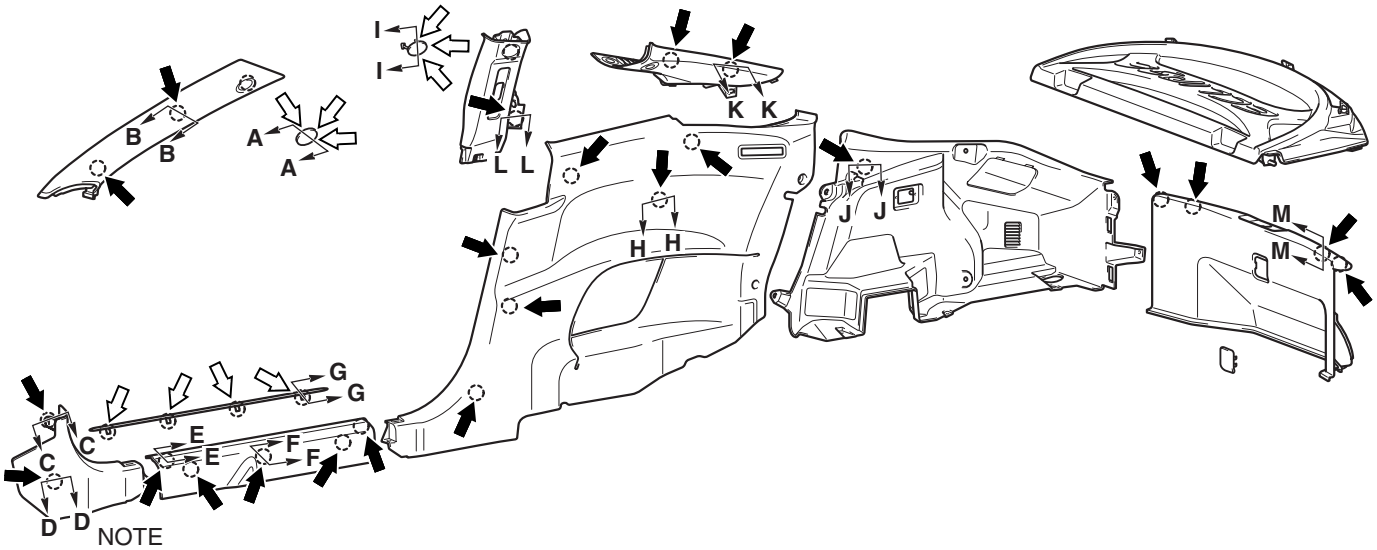
<<A>>

4. FRONT PILLAR TRIM
5. OUTER SCUFF PLATE
- REAR SEAT CUSHION (REFER TO P.52A-49.)
- REAR SEAT BACK ASSEMBLY (REFER TO P.52A-49.)
- REAR SEAT BELT LOWER ANCHOR BOLT (REFER TO P.52A-53.)

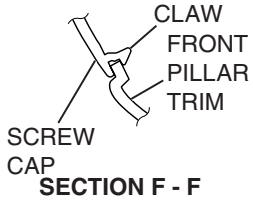
6. REAR SHELF TRIM
7. TRUNK ROOM FLOOR BOARD
8. REAR END TRIM COVER
9. REAR END TRIM
10. LUGGAGE HOOK
11. LUGGAGE COMPARTMENT LIGHT LENS
12. LUGGAGE COMPARTMENT LIGHT
13. REAR SIDE TRIM
14. QUARTER TRIM LOWER
15. FRONT SEAT BELT SHOLDER ANCHOR BOLT
16. SCREW CAP
17. CENTER PILLAR TRIM UPPER
18. ENERGY ABSORBER TUBE ASSEMBLY
19. REAR PILLAR TRIM

TSB Revision

CLIP AND CLAW POSITION

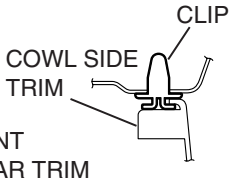


SECTION A - A

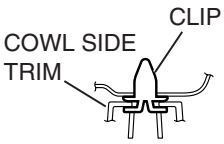


SECTION B - B

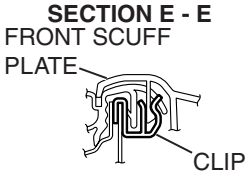
SECTION C - C



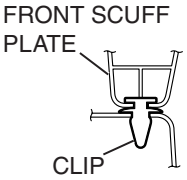
SECTION D - D



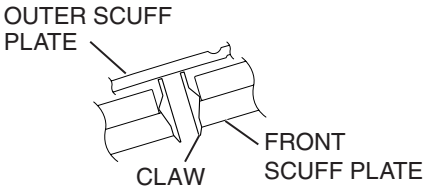
SECTION E - E



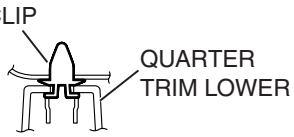
SECTION F - F



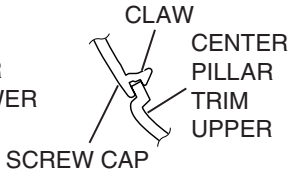
SECTION G - G



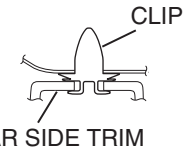
SECTION H - H



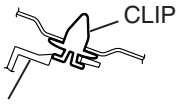
SECTION I - I



SECTION J - J

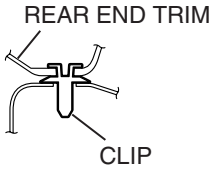


SECTION K - K



SECTION L - L

SECTION M - M

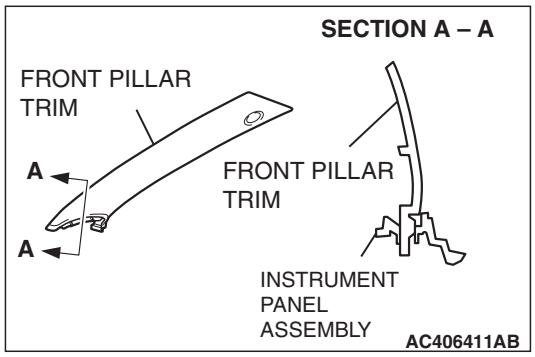


AC406400AB

REMOVAL SERVICE POINT

<<A>> FRONT PILLAR TRIM REMOVAL

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

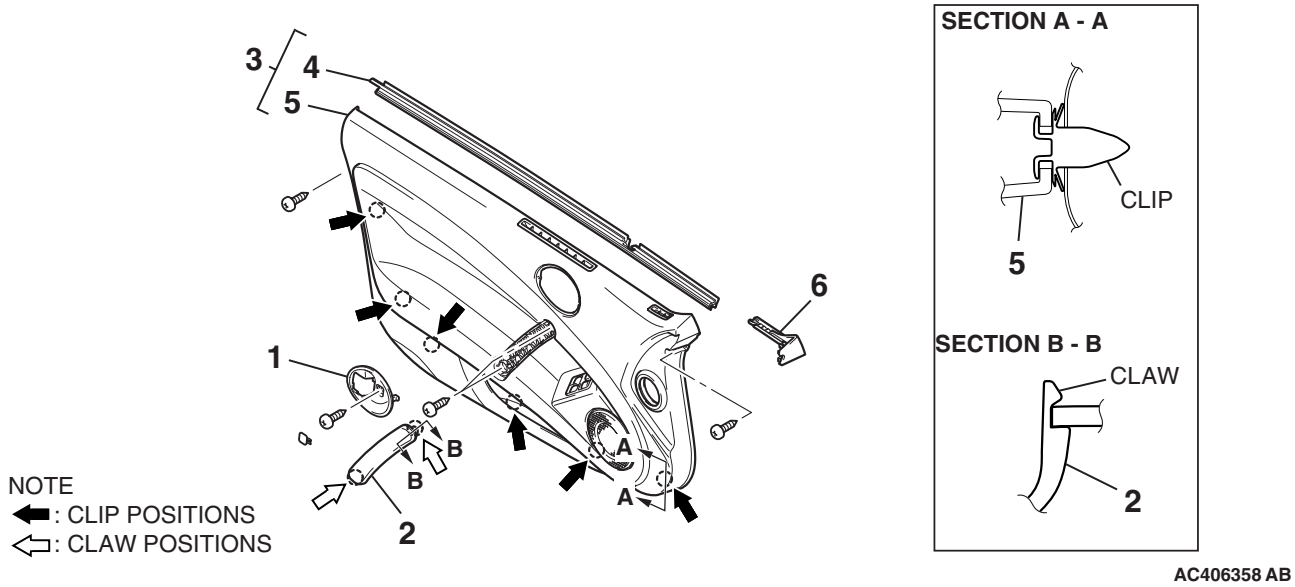


DOOR TRIM

REMOVAL AND INSTALLATION

M1521006400417

<FRONT DOOR TRIM>



REMOVAL STEPS

<<**A**>>
1. INSIDE HANDLE COVER
2. ASSIST GRIP
3. BELT LINE INNER WEATHERSTRIP AND FRONT DOOR TRIM ASSEMBLY
4. BELT LINE INNER WEATHERSTRIP
5. FRONT DOOR TRIM ASSEMBLY
6. FRONT CLOSE OUT

INSTALLATION STEPS

6. FRONT CLOSE OUT
4. BELT LINE INNER WEATHERSTRIP
5. FRONT DOOR TRIM ASSEMBLY
2. ASSIST GRIP
1. INSIDE HANDLE COVER

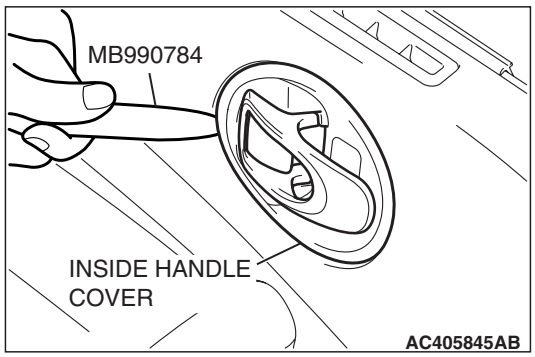
Required Special Tool:

- MB990784: Ornament Remover

REMOVAL SERVICE POINTS

<<A>> INSIDE HANDLE COVER REMOVAL

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

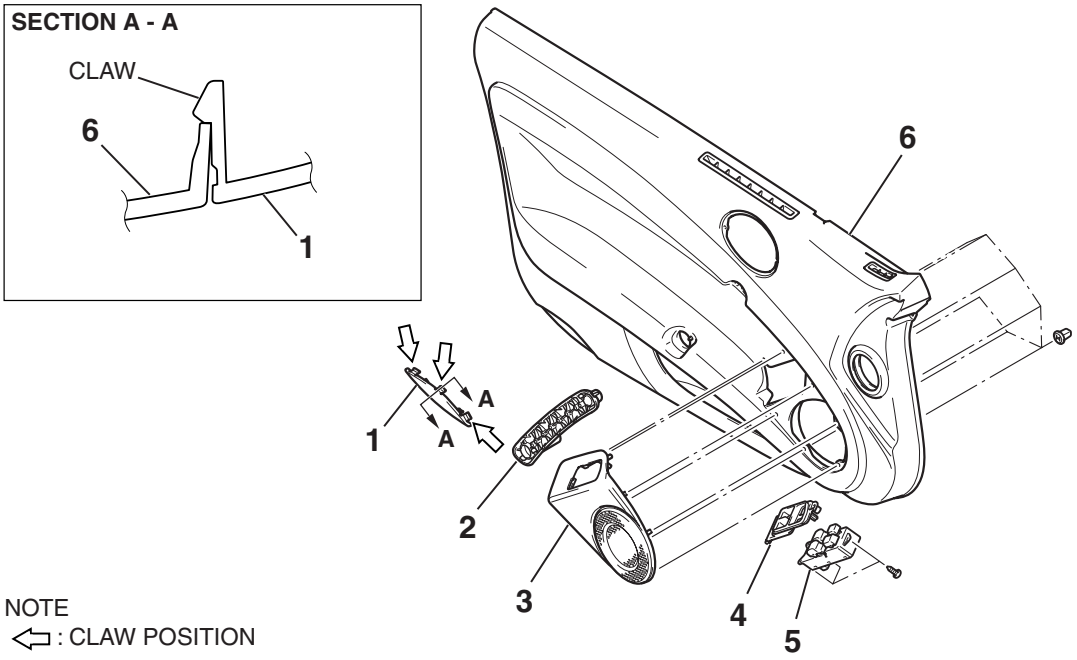


TSB Revision

DISASSEMBLY AND ASSEMBLY

M1521006900122

<FRONT DOOR TIRM>



NOTE
⇦ : CLAW POSITION

AC407049AB

DISASSEMBLY STEPS

1. REFLECTOR
2. GRAB HANDLE
3. SWITCH PLATE SPEAKER GRILLE

DISASSEMBLY STEPS

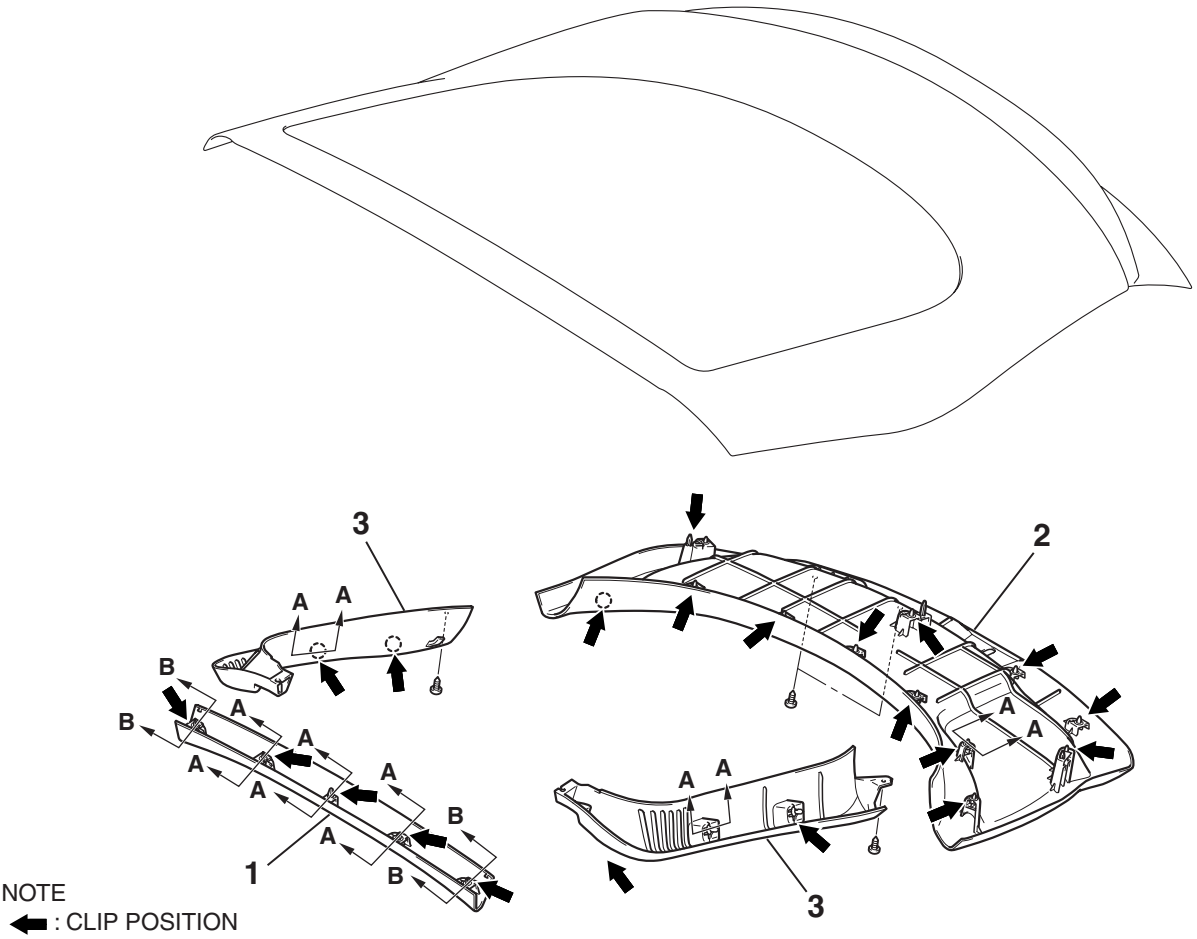
4. POWER WINDOW SWITCH PANEL ASSEMBLY
5. POWER WINDOW MAIN SWITCH
6. FRONT DOOR TRIM

TSB Revision

LIFTGATE TRIM

REMOVAL AND INSTALLATION

M1521008000073



AC406828AB

REMOVAL STEPS

1. LIFTGATE UPPER CENTER TRIM

REMOVAL STEPS (Continued)

2. LIFTGATE LOWER TRIM
3. LIFTGATE UPPER SIDE TRIM

TSB Revision

HEADLINING

REMOVAL AND INSTALLATION

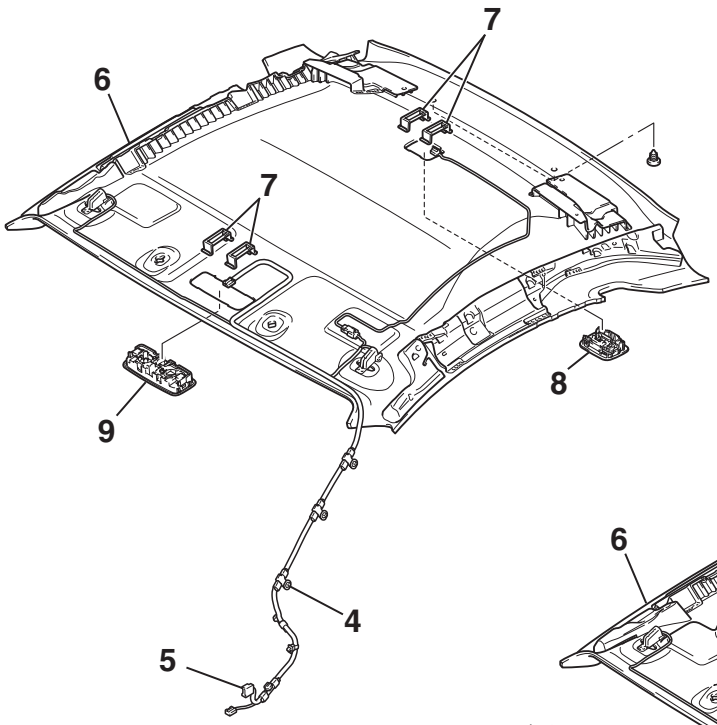
M1521001400575

⚠ ***WARNING***

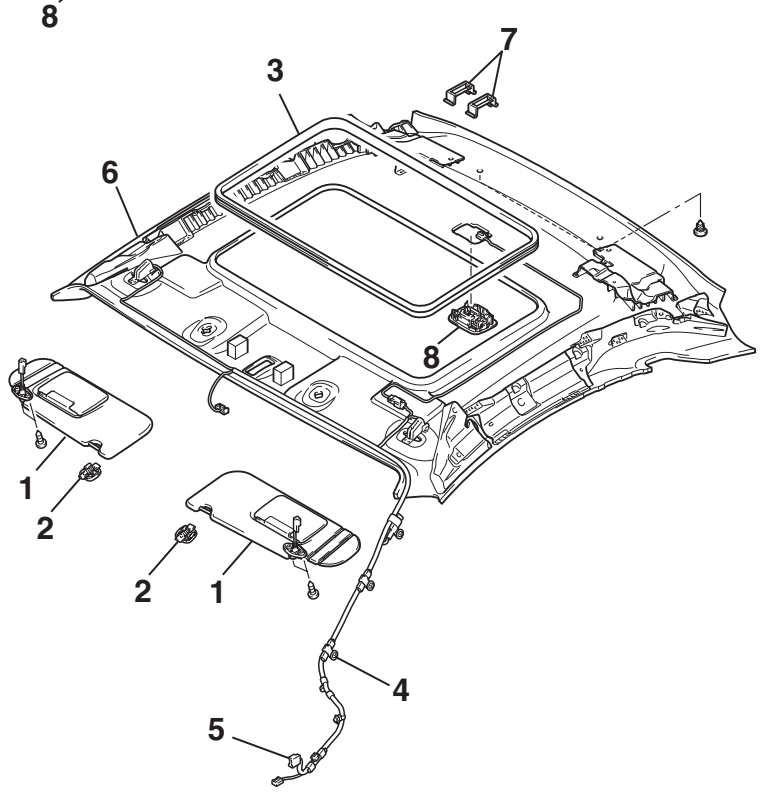
When removing and installing the front passenger seat, be sure to carry out accuracy check of occupant classification sensor after the seat has been installed in the vehicle. (Refer to GROUP 52B, On-vehicle Service P.52B-395.)

Pre-removal and Post-installation Operation
- Removal and Installation of Rear Seat Cushion Assembly and Rear Seatback Assembly (Refer to P.52A-49.)
- Removal and Installation of Front Pillar Trim, Center pillar Trim Upper and Rear Pillar Trim (Refer to P.52A-31.)

<VEHICLES WITHOUT SUNROOF>



<VEHICLES WITH SUNROOF>



AC406410 AB

REMOVAL STEPS
1. SUN VISOR
2. SUN VISOR HOLDER
3. SUNROOF OPENING TRIM <VEHICLES WITH SUNROOF>

<<A>>

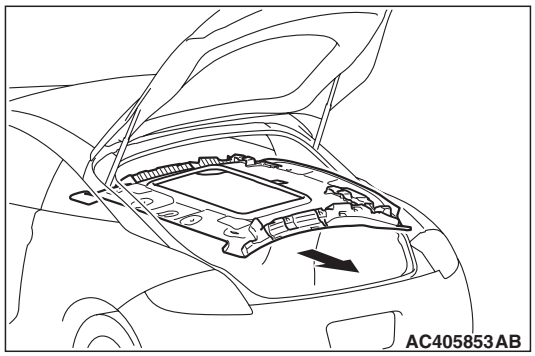
REMOVAL STEPS (Continued)
- INSTRUMENT PANEL SIDE COVER (REFER TO P.52A-21.)

4. ROOF HARNESS CLAMP
5. ROOF HARNESS CONNECTOR
6. HEADLINING ASSEMBLY

TSB Revision

REMOVAL STEPS (Continued)

7. DOME LIGHT CLIP
8. REAR DOME LIGHT ASSEMBLY
9. FRONT DOME LIGHT ASSEMBLY <VEHICLES WITHOUT SUNROOF>



REMOVAL SERVICE POINT

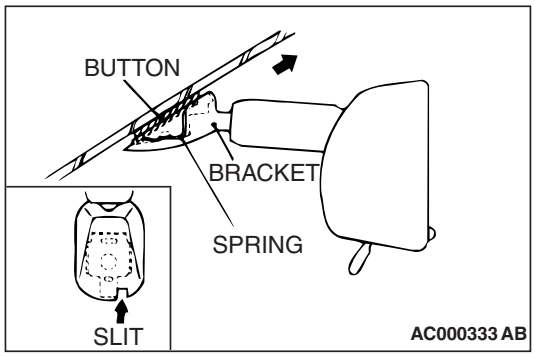
<<A>> HEADLINING ASSEMBLY REMOVAL

Turn the headlining assembly 90° as shown and remove it from the liftgate side.

INSIDE REAR VIEW MIRROR

REMOVAL AND INSTALLATION

M1521002700267



REMOVAL SERVICE POINT

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.

FRONT SEAT ASSEMBLY

REMOVAL AND INSTALLATION

M1522001300690

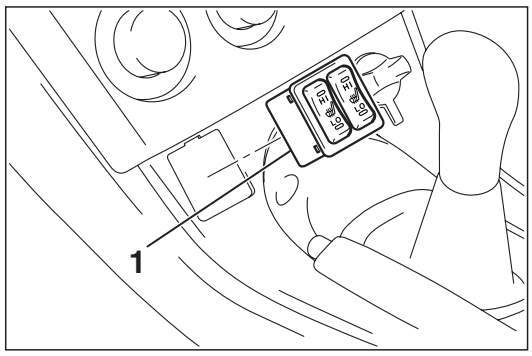
⚠ WARNING

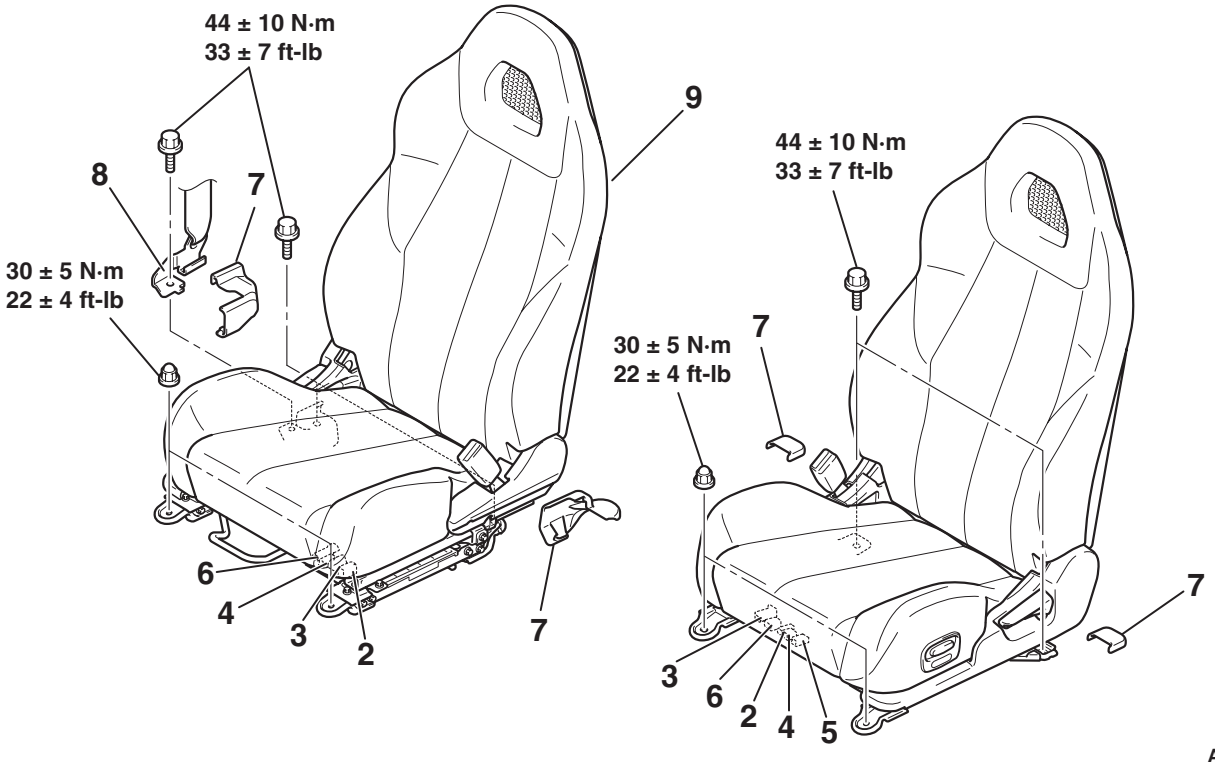
- ***Before removing the front seat assembly, refer to GROUP 52B, Service Precautions P.52B-26 and Air Bag Module and Clock Spring P.52B-408.***
- ***When removing and installing the front passenger seat, be sure to carry out accuracy check of occupant classification sensor after the seat has been installed in the vehicle. (Refer to GROUP 52B, On-vehicle Service P.52B-395.)***

⚠ CAUTION

Do not impact the seat. If any impact is applied to the seat, the occupant classification sensor transmitting error may occur.

Post-installation Operation
Adjustment Procedures of Special Function (refer to GROUP 52B, On-Vehicle Service P.52B-395.)





AC406412 AB

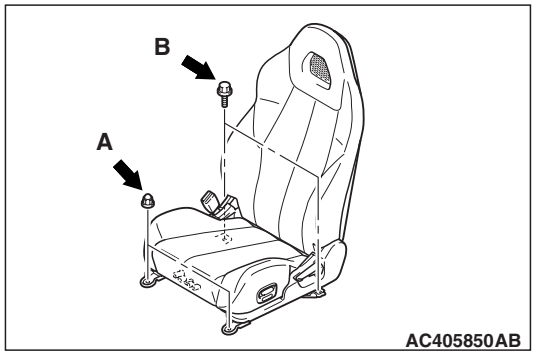
1. HEATED SEAT SWITCH <VEHICLES WITH HEATED SEAT>

TSB Revision

FRONT SEAT ASSEMBLY
REMOVAL STEPS

2. SEAT BELT SWITCH CONNECTOR
3. SEAT SLIDE SENSOR (DRIVER'S SIDE), OCCUPANT CLASSIFICATION SENSOR (PASSENGER'S SIDE)
4. HEATED SEAT CONNECTOR <VEHICLES WITH HEATED SEAT>
5. POWER SEAT CONNECTOR <VEHICLES WITH POWER SEAT>
6. SIDE-AIRBAG MODULE CONNECTOR <VEHICLES WITH SIDE-AIRBAG>
7. FRONT SEAT REAR ANCHOR COVER
8. OUTER SEAT BELT (PASSENGER'S SIDE)

>>**A**<< 9. 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.

Tightening torque:
A: 30 ±5 N•m (22 ±4 ft-lb)
B: 44 ±10 N•m (33 ±7 ft-lb)

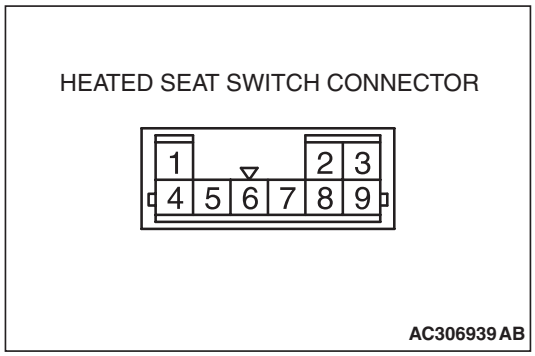
INSPECTION

M1522005500210

HEATED SEAT SWITCH CHECK

CONTINUITY TEST OF HEATED SEAT SWITCH

1. Check for continuity between terminals.

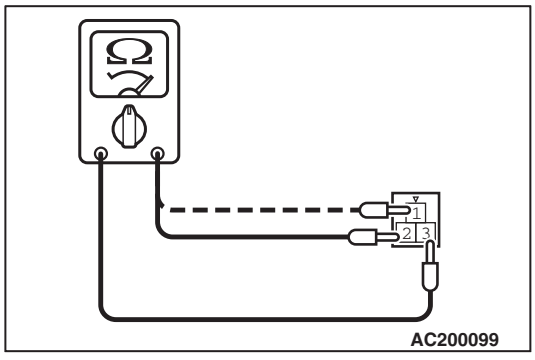


ITEM	SWITCH POSITION	TESTER CONNECTION	SPECIFIED CONDITION
Driver's seat side	HI	1 – 5, 3 – 8,	Less than 2 ohms
		3(+) – 5(-), 5(+) – 8(-), 1(+) – 8(-), 1(+) – 3(-)	Open circuit
	OFF	1 – 3, 1 – 5, 1 – 8, 3 – 5, 3 – 8, 5 – 8	Open circuit
	LO	3 – 5	Less than 2 ohms
		3(+) –8(-), 5(+) –8(-)	Open circuit
		1 – 3, 1 – 5, 1 – 8	Open circuit
Front passenger's seat side	HI	4 – 5, 8 – 9	Less than 2 ohms
		4(+) – 8(-), 5(+) – 8(-), 4(+) – 9(-), 5(+) – 9(-)	Open circuit
	OFF	4 – 5, 4 – 8, 4 – 9, 5 – 8, 5 – 9, 8 – 9	Open circuit
	LO	5 – 9	Less than 2 ohms
		5(+) –8(-), 8(+) –9(-)	Open circuit
		4 – 5, 4 – 8, 4 – 9	Open circuit

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.

NOTE: () indicates positive or negative terminal of tester. Measuring at the opposite sides may cause open circuit.

SEAT CUSHION HEATER CHECK

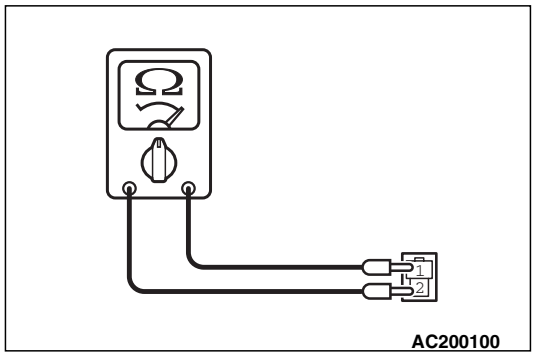


Measure the resistance between terminals.

Standard value: At room temperature 20 °C (68 °F)
Between terminals 2 and terminal 3: Approximately 3.98 ohms ±5%
Between terminals 1 and terminal 3:3.98 ohms ±5%

NOTE: When the interior temperature rises 1°C (34°F), a measurement standard value increases 0.031 ohms. And when the interior temperature drops 1°C (34°F), a measurement standard value decreases 0.031 ohms.

SEATBACK HEATER CHECK

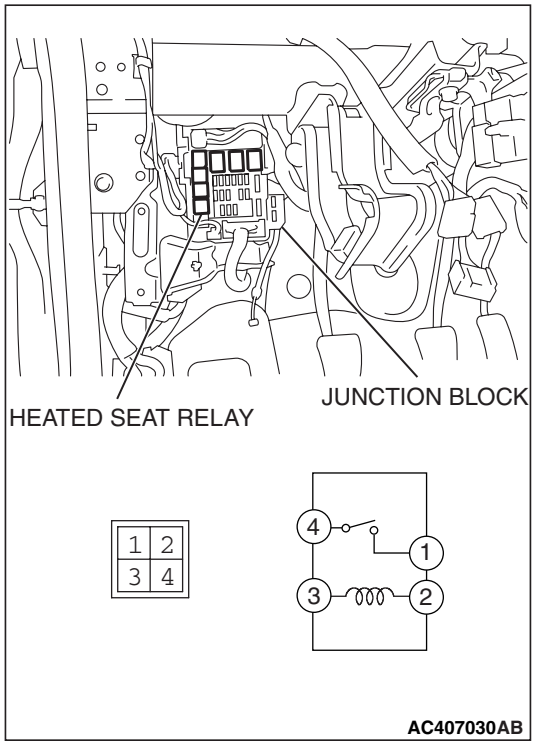


Measure the resistance between terminals.

Standard value: At room temperature 20 °C (68 °F)
Approximately 4.51 ohms ±5%

NOTE: When the interior temperature rises 1°C (34°F), a measurement standard value increases 0.031 ohms. And when the interior temperature drops 1°C (34°F), a measurement standard value decreases 0.031 ohms.

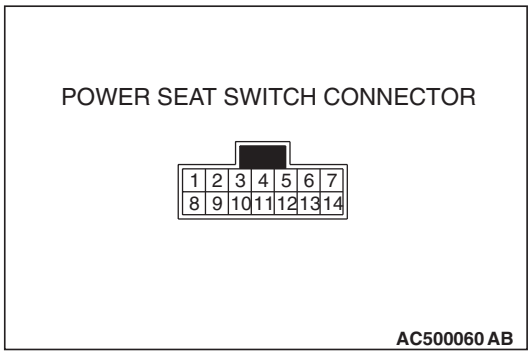
HEATED SEAT RELAY CONTINUITY CHECK



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

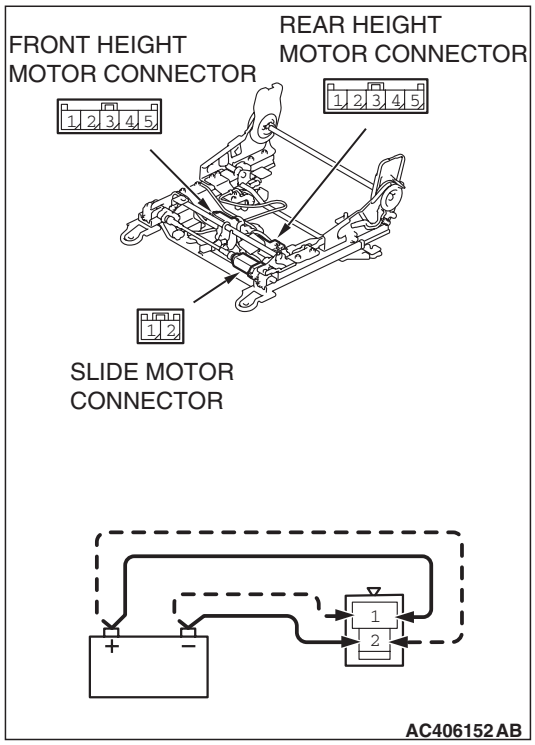
BATTERY VOLTAGE	TESTER CONNECTION	SPECIFIED CONDITION
Not applied	1-4	Open circuit
• Connect terminal 3 to the positive battery terminal • Connect terminal 2 to the negative battery terminal	1-4	Less than 2 ohms

POWER SEAT SWITCH CONTINUITY CHECK



SWITCH POSITION		TESTER CONNECTION	SPECIFIED CONDITION
Slide switch	FRONT	4 – 13, 2 – 3	Less than 2 ohms
		1 – 4, 3 – 13	Open circuit
	REAR	1 – 4, 3 – 13	Less than 2 ohms
		2 – 3, 4 – 13	Open circuit
	NEUTRL	1 – 4, 2 – 3	Less than 2 ohms
		3 – 13, 4 – 13	Open circuit
Front height switch	UP	8 – 13, 6 – 7	Less than 2 ohms
		5 – 8, 7 – 13	Open circuit
	DOWN	7 – 13, 5 – 8	Less than 2 ohms
		6 – 7, 8 – 13	Open circuit
	NEUTRL	5 – 8, 6 – 7	Less than 2 ohms
		8 – 13, 7 – 13	Open circuit
Rear height switch	UP	12 – 13, 10 – 11	Less than 2 ohms
		9 – 12, 11 – 13	Open circuit
	DOWN	11 – 13, 9 – 12	Less than 2 ohms
		10 – 11, 12 – 13	Open circuit
	NEUTRL	9 – 12, 10 – 11	Less than 2 ohms
		11 – 13, 12 – 13	Open circuit

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 2 and ground the terminal 1 , front slide side.
   (2) Connect the battery power supply to the terminal 1 and ground the terminal 2 , rear slide side.
   (3) Connect the battery power supply to the terminal 3 and ground the terminal 2 for the front height down side and connect the battery power supply to the terminal 2 and ground the terminal 3 for the front height up side.
   (4) Connect the battery power supply to the terminal 4 and ground the terminal 3 for the rear height up side and connect the battery power supply to the terminal 3 and ground the terminal 4 for the rear height down side.
3. If abnormality was found, check the power seat adjuster assembly.

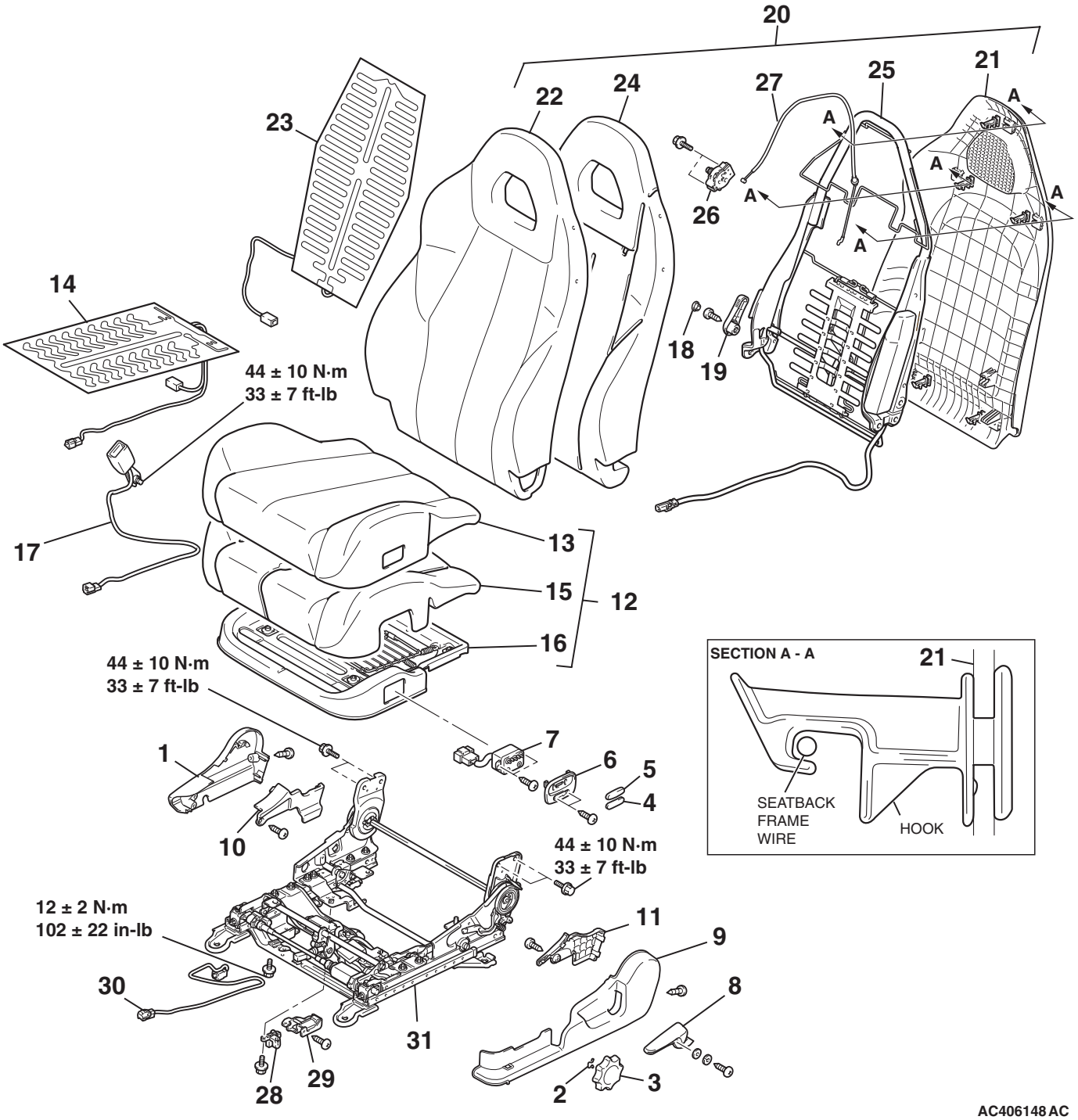
DISASSEMBLY AND ASSEMBLY

M1522001500713

<DRIVER'S SEAT>

⚠ ***WARNING***

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



DISASSEMBLY STEPS

1. HINGE COVER
2. SNAP RING <VEHICLES WITHOUT POWER SEAT>
3. HEIGHT ADJUSTER KNOB <VEHICLES WITHOUT POWER SEAT>
4. POWER SEAT SWITCH COVER <VEHICLES WITH POWER SEAT>
5. POWER SEAT SLIDE ADJUSTER SWITCH <VEHICLES WITH POWER SEAT>
6. POWER SEAT SWITCH GARNISH <VEHICLES WITH POWER SEAT>
7. POWER SEAT SWITCH <VEHICLES WITH POWER SEAT>
8. RECLINING ADJUSTER LEVER
9. SEAT SHIELD COVER
10. SEAT SHIELD COVER INNER (RH)
11. SEAT SHIELD COVER INNER (LH)
12. SEAT CUSHION ASSEMBLY

<<**A**>>

<<**B**>>

DISASSEMBLY STEPS

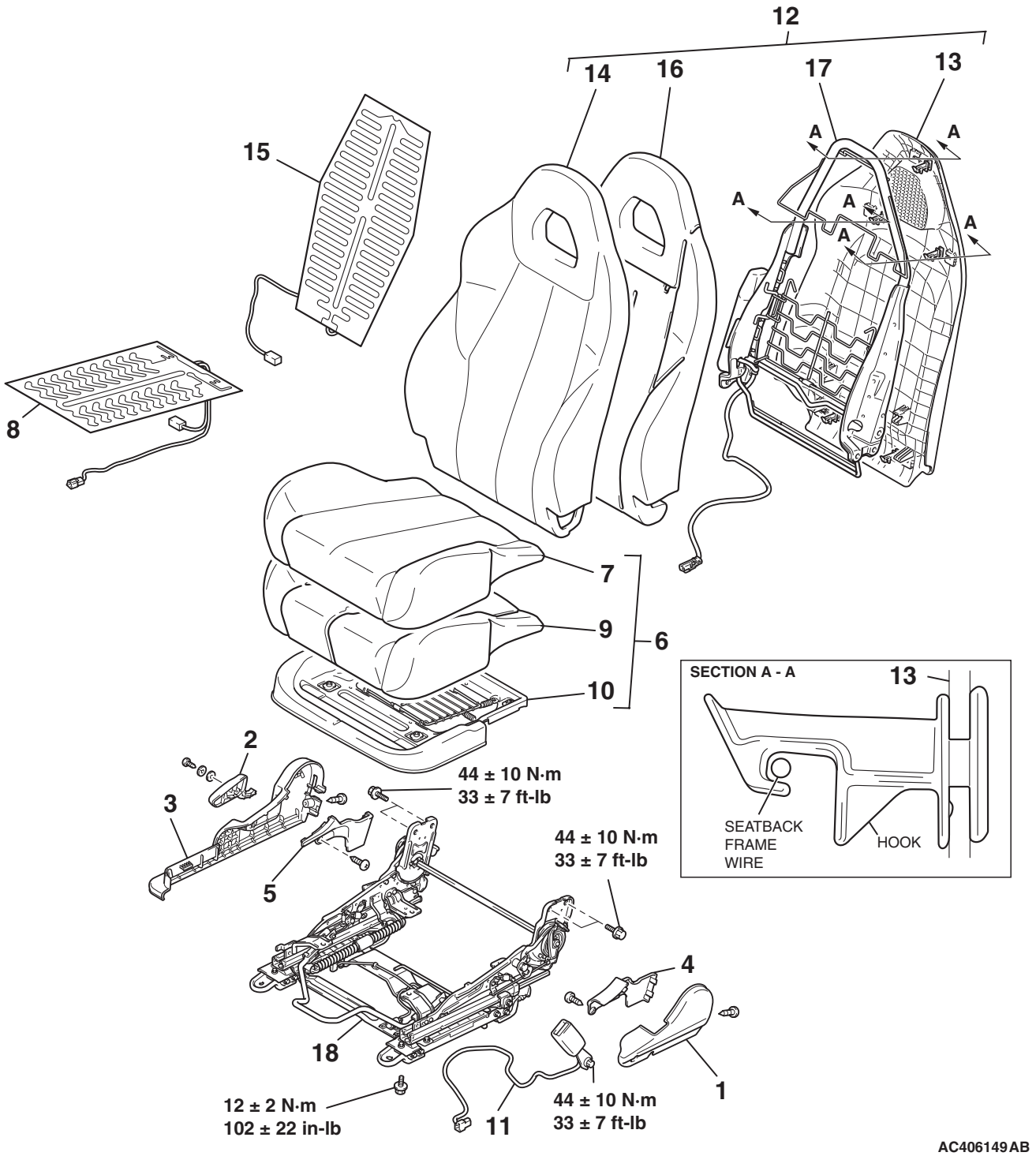
13. SEAT CUSHION COVER
14. SEAT CUSHION HEATER <VEHICLES WITH HEATED SEAT>
15. SEAT CUSHION PAD
16. SEAT CUSHION FRAME
17. INNER SEAT BELT
18. LUMBAR SUPPORT LEVER CAP
19. LUMBAR SUPPORT LEVER
20. SEATBACK ASSEMBLY
21. SEATBACK PANEL
22. SEATBACK COVER
23. SEATBACK HEATER <VEHICLES WITH HEATED SEAT>
24. SEATBACK PAD
25. SEATBACK FRAME
26. LUMBAR SUPPORT LINK
27. LUMBAR SUPPORT CABRE
28. SLIDE SENSOR
29. SLIDE SENSOR COVER
30. SLIDE SENSOR HARNESS
31. SLIDE ADJUSTER

TSB Revision

<FRONT PASSENGER'S SEAT>

⚠ ***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 is discovered in the occupant classification-ECU or the occupant classification sensor, replace it with a new one.***



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TSB Revision

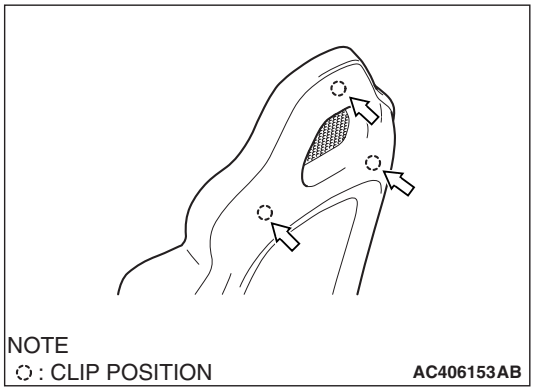
REMOVAL STEPS
1. HINGE COVER
2. RECLINING ADJUSTER LEVER
3. SIDE SHIELD COVER <<**A**>>
4. SIDE SHIELD COVER INNER (LH)
5. SIDE SHIELD COVER INNER (RH)
6. SEAT CUSHION ASSEMBLY
7. SEAT CUSHION COVER
8. SEAT CUSHION HEATER <VEHICLES WITH HEATED SEAT> <<**B**>>
9. SEAT CUSHION PAD
10. SEAT CUSHION FRAME

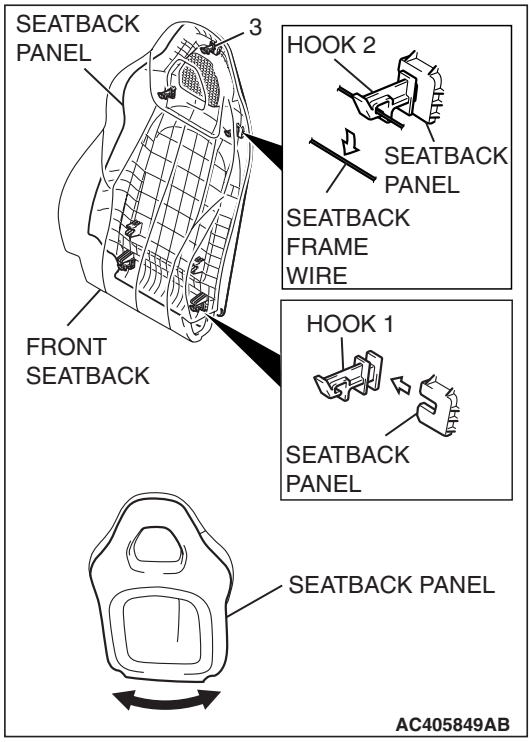
REMOVAL STEPS (Continued)
11. INNER SEAT BELT
12. SEATBACK ASSEMBLY
13. SEATBACK PANEL
14. SEATBACK COVER
15. SEATBACK HEATER <VEHICLES WITH HEATED SEAT>
16. SEATBACK PAD
17. SEATBACK FRAME
18. SLIDE ADJUSTER

REMOVAL SERVICE POINT

<<A>> SEATBACK PANEL REMOVAL

1. Raise the seatback panel while holding it as shown, and disconnect the seatback frame wire and hook connection.





2. If the seatback panel cannot be removed by the steps above, remove it as follows.
   1. Insert a screwdriver and slide hook 1 to remove it from the panel.
   2. Swing the panel to the right and left, and remove hook 2 from the wire.
   3. Finally, remove hook 3.

<<B>> SEATBACK PANEL REMOVAL

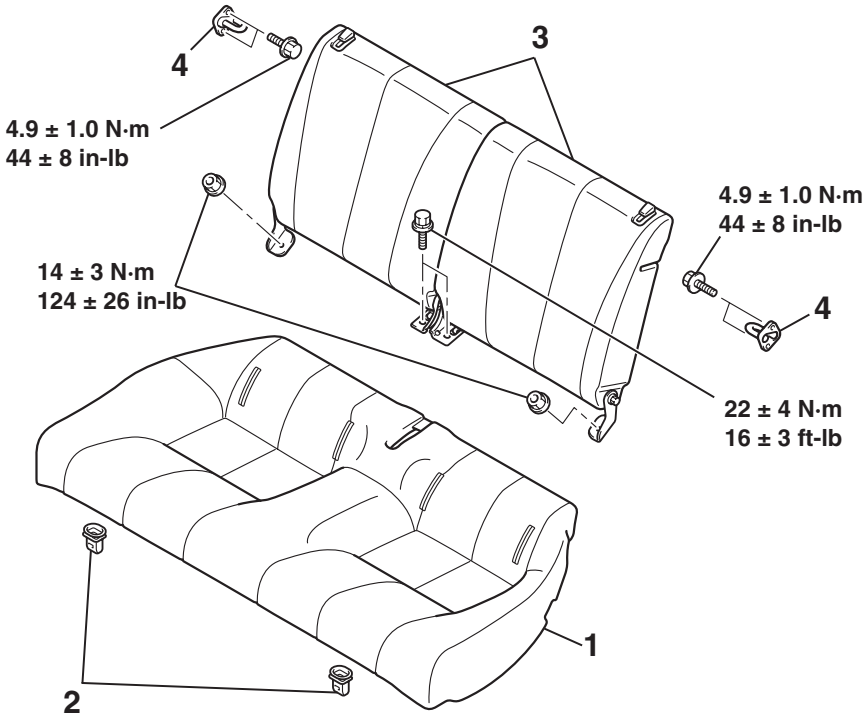
⚠ WARNING

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

REAR SEAT ASSEMBLY

REMOVAL AND INSTALLATION

M1522001800457



AC405663 AB

REMOVAL STEPS

<<**A**>> 1. REAR SEAT CUSHION ASSEMBLY
2. REAR SEAT HOOK

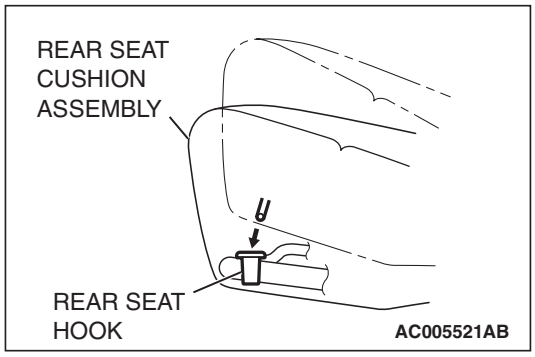
REMOVAL STEPS (Continued)

3. REAR SEATBACK ASSEMBLY
4. STRIKER

INSTALLATION SERVICE POINTS

<<A>> INSTALLATION OF REAR SEAT CUSHION ASSEMBLY

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



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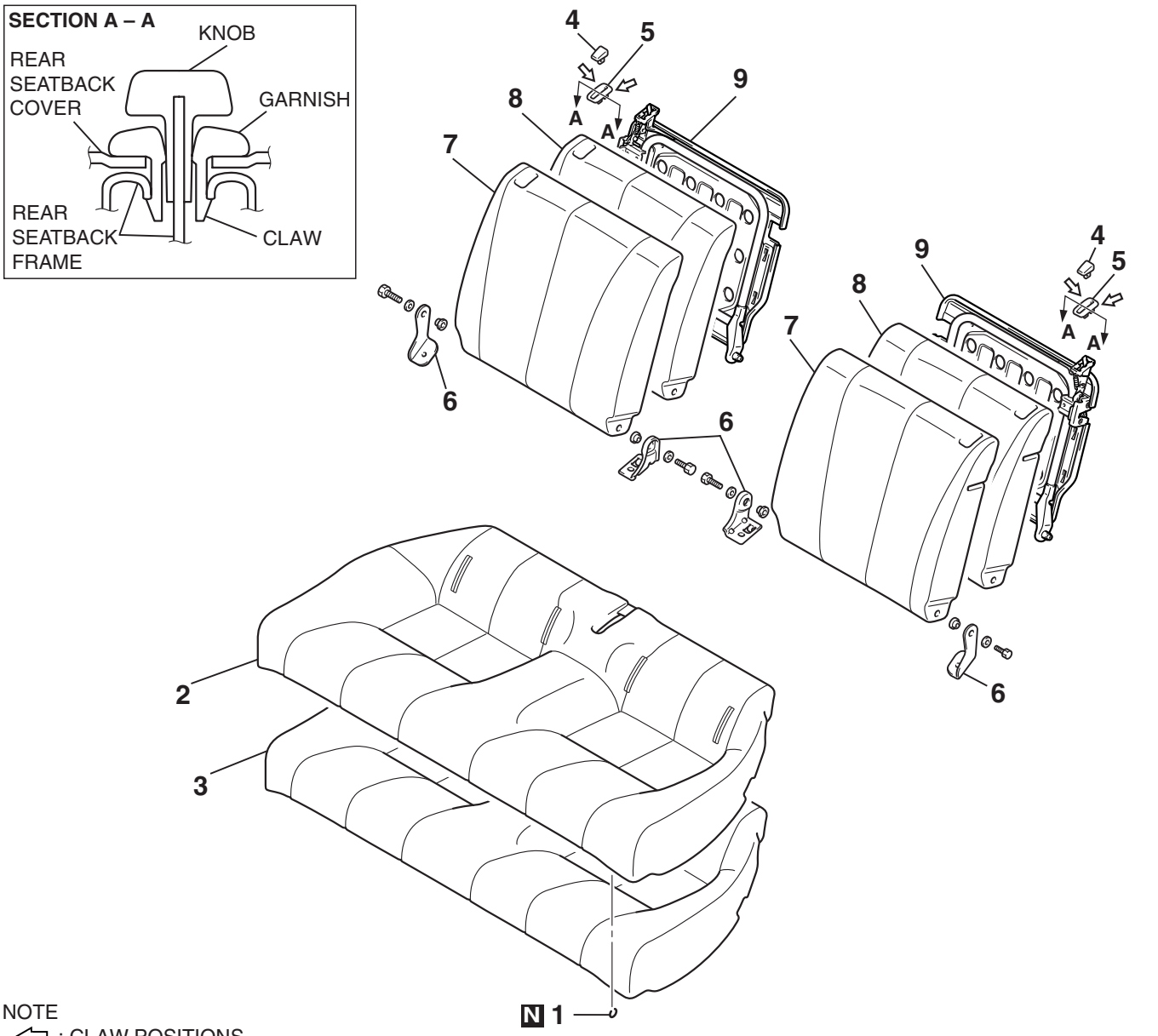
DISASSEMBLY AND ASSEMBLY

M1522002000551



NOTE
⇦ : CLAW POSITIONS

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DISASSEMBLY STEPS

1. HOG RING
2. SEAT CUSHION COVER
3. SEAT CUSHION PAD
4. KNOB
5. GARNISH

DISASSEMBLY STEPS

6. REAR SEATBACK HINGE
7. REAR SEATBACK COVER
8. REAR SEATBACK PAD
9. REAR SEATBACK FRAME

TSB Revision

FRONT SEAT BELT

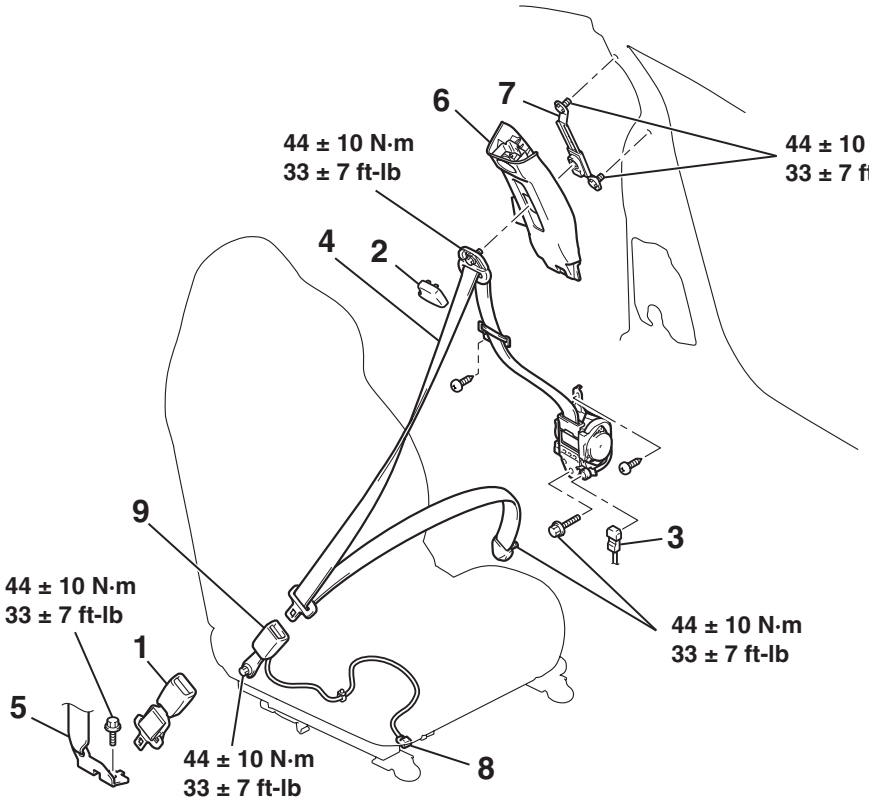
REMOVAL AND INSTALLATION

M1523001300574

⚠ 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-395.)**
- **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 and Post-installation Operation	Post-installation Operation
• Turn the ignition key to the LOCK (OFF) position. • Disconnect the negative battery terminal. ² Removal and Installation of Rear Seat Cushion Assembly and Rear Seatback Assembly (Refer to P.52A-49.) ² Removal and Installation of Front Scuff Plate, Rear Shelf Trim, Rear Side Trim, Quarter Trim Lower, Center pillar Trim Upper and Rear Pillar Trim (Refer to P.52A-31.)	Adjustment Procedures of Special Function (refer to GROUP 52B, On-Vehicle Service P.52B-395.)



AC405666 AB

1. EXTENDER SEAT BELT ASSEMBLY*

OUTER SEAT BELT REMOVAL STEPS

2. SASH GUIDE COVER
- CENTER PILLAR TRIM LOWER (REFER TO P.52A-31.)
3. PRE-TENSIONER CONNECTOR CONNECTION
4. OUTER SEAT BELT <DRIVER'S SIDE> (REFER TO GROUP 52B, SEAT BELTS WITH PRE-TENSIONER P.52B-424.)

OUTER SEAT BELT REMOVAL STEPS (Continued)

5. OUTER SEAT BELT <DRIVER'S SIDE> (REFER TO GROUP 52B, SEAT BELTS WITH PRE-TENSIONER P.52B-424.)
6. CENTER PILLAR TRIM UPPER (REFER TO P.52A-31.)
7. ADJUSTABLE SEAT BELT ANCOR

TSB Revision

INNER SEAT BELT

8. SEAT BELT SWITCH CONNECTOR
- SHIELD COVER (REFER TO P.52A-45.)

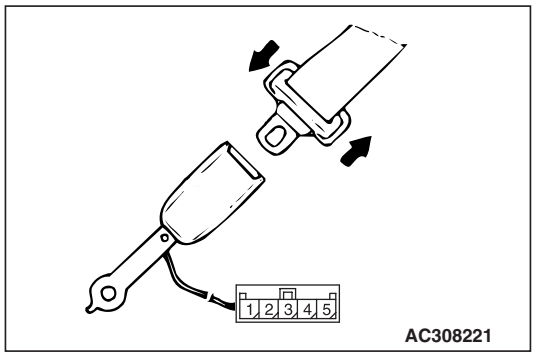
9. INNER SEAT BELT

*NOTE: *If so equipped*

INSPECTION

M1523004400257

SEAT BELT SWITCH CONTINUITY CHECK

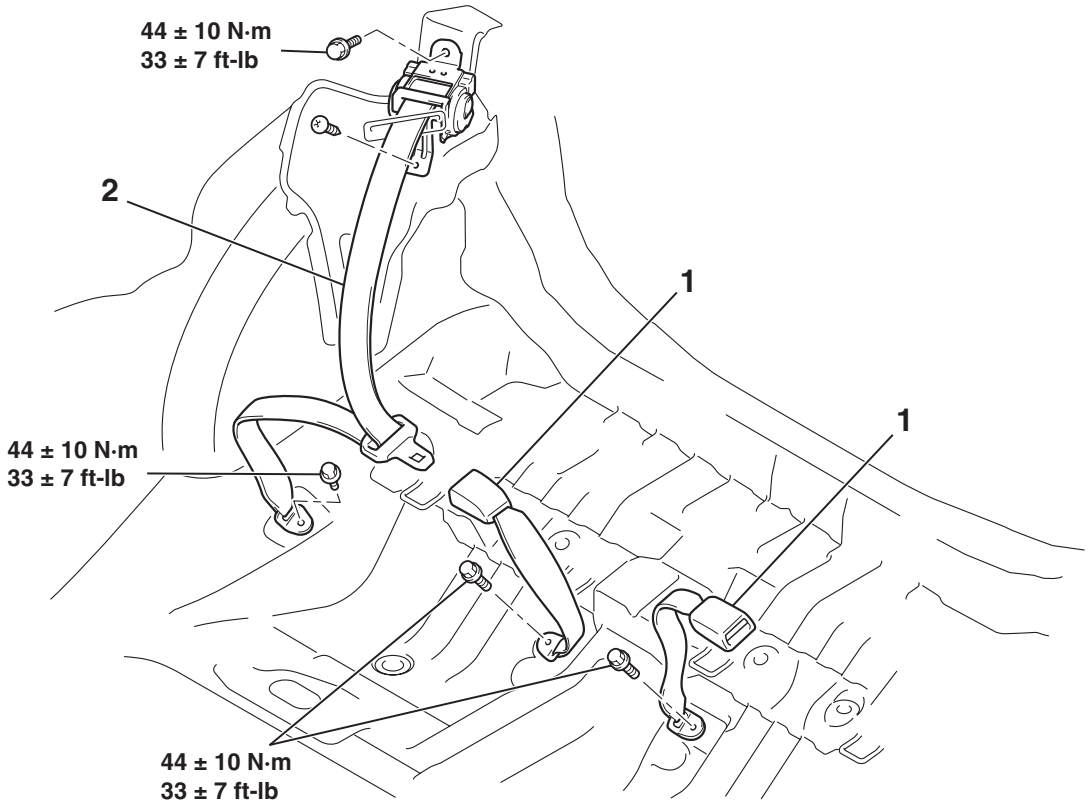


ITEM	TESTER CONNECTION	SPECIFIED CONDITION
Fastened seat belt	1 – 2	Open circuit
Unfastened seat belt	1 – 2	Less than 2 ohms

REAR SEAT BELT

REMOVAL AND INSTALLATION

M1523001600531



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REMOVAL STEPS

- REAR SEAT CUSHION ASSEMBLY (REFER TO P.52A-49.)

1. INNER SEAT BELT

REMOVAL STEPS (Continued)

- QUARTER TRIM LOWER (REFER TO P.52A-49.)

2. OUTER SEAT BELT

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

M1521004100250

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)
Seatback assembly nut	14 ±3 N· m (124 ±26 in-lb)
Striker	4.9 ±10 N· m (44 ±8 in-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	
Inner seat belt bolt	44 ±10 N· m (33 ±7 ft-lb)
Outer seat belt bolt	44 ±10 N· m (33 ±7 ft-lb)
Seat belt lower anchor bolt	44 ±10 N· m (33 ±7 ft-lb)