GROUP 52

INTERIOR AND SUPPLEMENTAL SYSTEM (SRS)

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GROUP 52A

INTERIOR

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

A 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 SRSrelated 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 (*).

SEAT BELT DIAGNOSIS

SEAT BELT WARNING SYSTEM DIAGNOSIS

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

SPECIAL TOOLS

M1521000600060

TOOL	TOOL NUMBER AND NAME	SUPERSESSION	APPLICATION
MB990784	MB990784 Ornament remover	General service tool	Removal of switch, trim, etc.
B991502	MB991502 Scan tool (MUT-II)	MB991496-OD	Checking the ETACS- ECU input signal
MB991529	MB991529 Diagnostic trouble code check harness	Tool not necessary if scan tool (MUT-II) is available	Checking the ETACS- ECU input signal (When using the voltmeter)
A B C D	MB991223 A: MB991219 B: MB991220 C: MB991221 D: MB991222 Harness set A: Test harness B: LED harness C: LED harness D: Probe	MB991223	Measurement of terminal voltage
МВ991223АЕ			

INSTRUMENT PANEL ASSEMBLY

REMOVAL AND INSTALLATION

M1521001700060

A WARNING

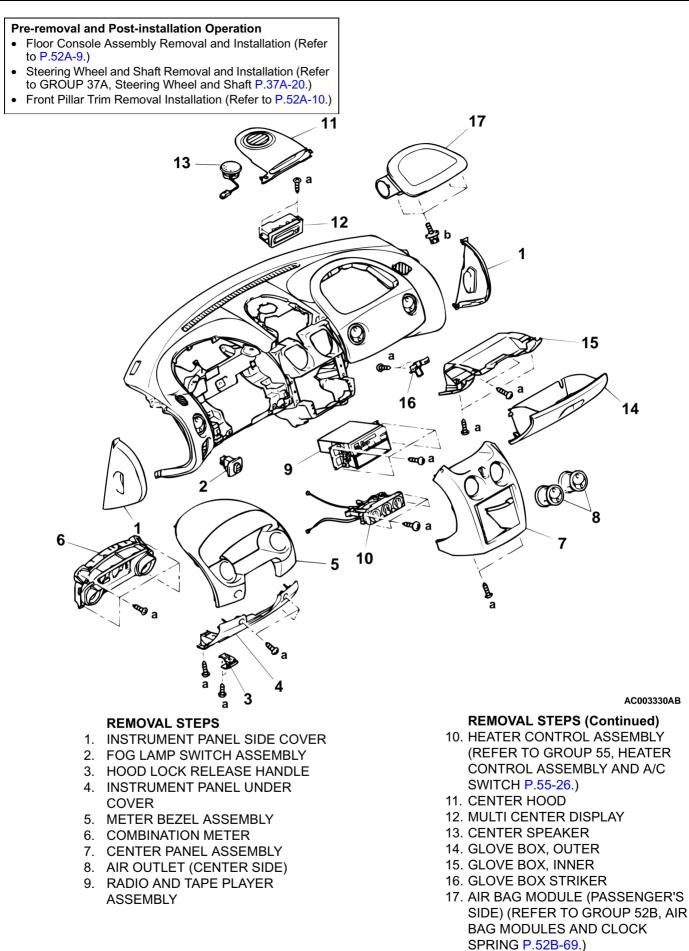
For removal and installation of the passenger's side air bag module, always observe the service procedures described in GROUP 52B, Air Bag Module and Clock Spring **P.52B-69**.

The bolts and screws described below are used for installation of the instrument panel. They are indicated by symbols in the illustration.

NAME	SYMBOL	SIZE (D \times L) mm (in)	COLOR	SHAPE
Tapping screw	а	5 × 16 (0.20 × 0.63)	-	ACX01282
Washer assembled bolt	b	$6 imes 16 \ (0.24 imes 0.63)$	-	
	С	6 × 20 (0.24 × 0.79)		
	d	6 × 16 (0.24 × 0.63)	-	DIIB ACX00614
Washer assembled bolt	е	6 × 16 (0.24 × 0.63)	-	_ 0
(ground)	f	6 × 20 (0.24 × 0.79)		

D: Thread diameter L: Effective thread length

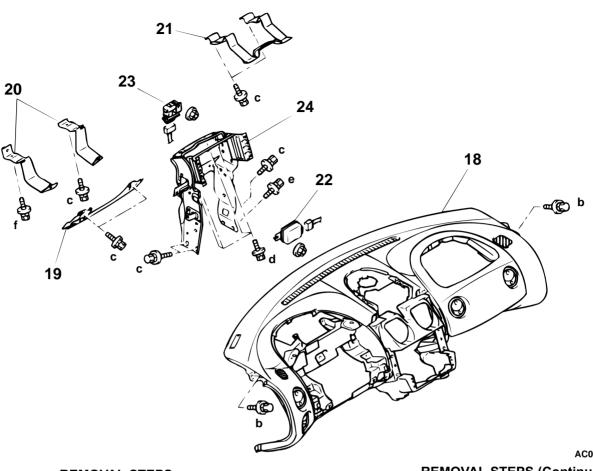
INTERIOR INSTRUMENT PANEL ASSEMBLY



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INTERIOR INSTRUMEN<u>T PANEL ASSEMBLY</u>



REMOVAL STEPS

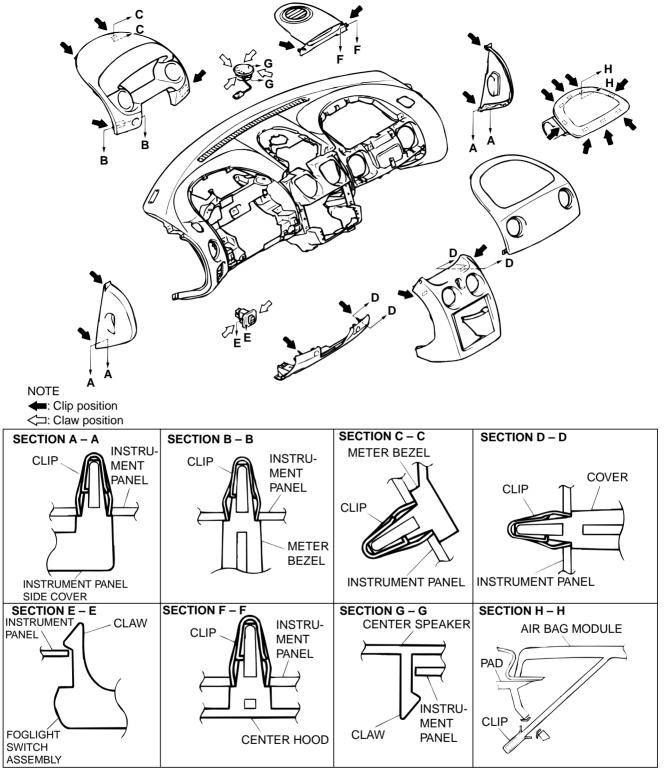
- 18. INSTRUMENT PANEL ASSEMBLY
- 19. INSTRUMENT PANEL REINFORCEMENT
- 20. KNEE ABSORBER (DRIVER'S SIDE)
- 21. KNEE ABSORBER (PASSENGER'S SIDE)

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REMOVAL STEPS (Continued)

- 22. AUTO-CRUISE CONTROL-ECU
- 23. IMMOBILIZER-ECU
- 24. INSTRUMENT PANEL CENTER REINFORCEMENT

CLIP AND CLAW POSITIONS

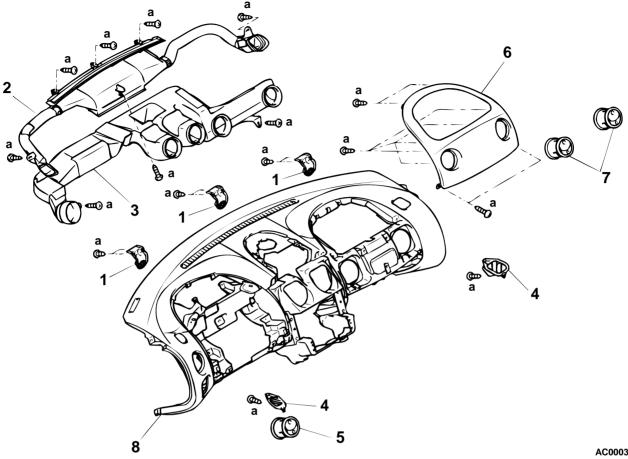


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INTERIOR INSTRUMENT PANEL ASSEMBLY

DISASSEMBLY AND ASSEMBLY

M1521001900064



DISASSEMBLY STEPS

- 1. INSTRUMENT PANEL UPPER BRACKET
- 2. DEFROSTER NOZZLE ASSEMBLY
- 3. DISTRIBUTION DUCT
- 4. SIDE DEFROSTER GRILLE

AC000328AB

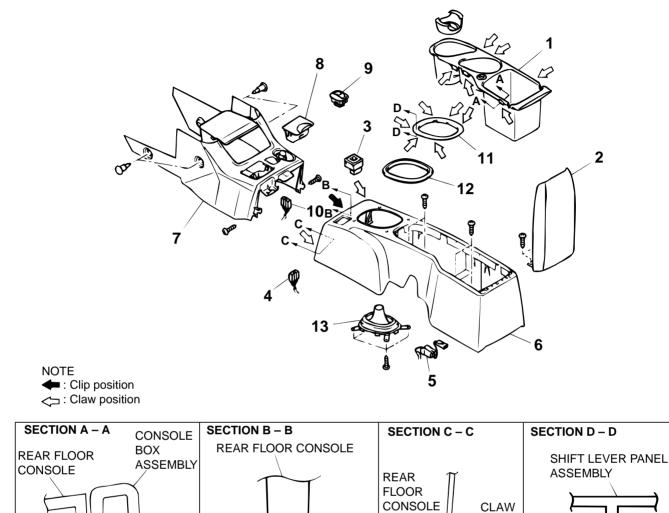
DISASSEMBLY STEPS (Continued)

- 5. AIR OUTLET (DRIVER'S SIDE)
- 6. PAD (PASSENGER'S SIDE)
- 7. AIR OUTLET (PASSENGER'S SIDE)
- 8. INSTRUMENT PANEL

FLOOR CONSOLE ASSEMBLY

REMOVAL AND INSTALLATION

M1521002200068



CLIP

REMOVAL STEPS

CLAW

- 1. CONSOLE BOX ASSEMBLY
- CONSOLE LID ASSEMBLY <EXCEPT ECLIPSE "RS">
- 3. DOOR MIRROR CONTROL SWITCH

FRONT

FLOOR

CONSOLE

- 4. DOOR MIRROR CONTROL SWITCH HARNESS
- 5. ACCESSORY SOCKET HARNESS
- 6. REAR FLOOR CONSOLE
- 7. FRONT FLOOR CONSOLE

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REAR FLOOR

CONSOLE

REMOVAL STEPS (Continued)

8. ASHTRAY

FRONT

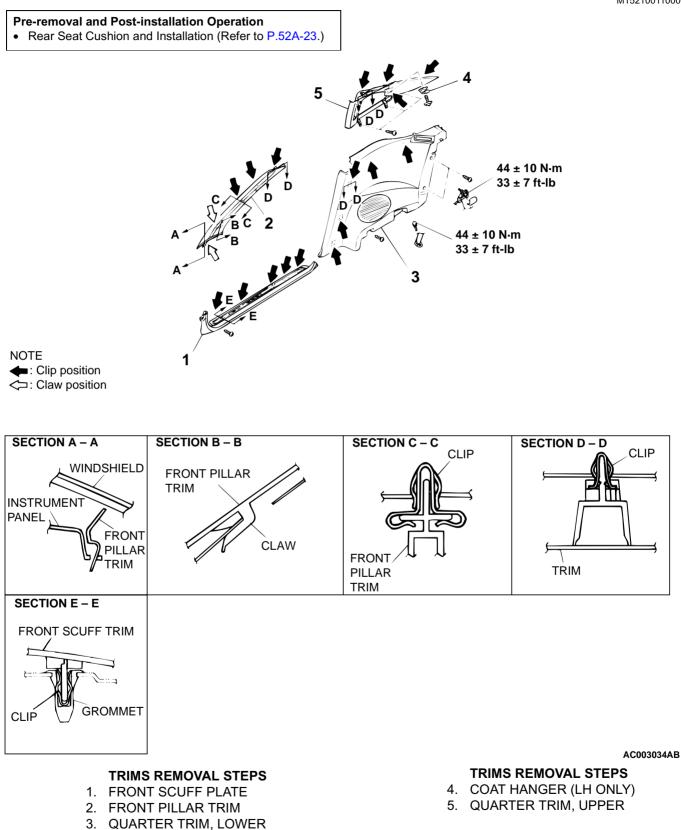
FLOOR CONSOLE

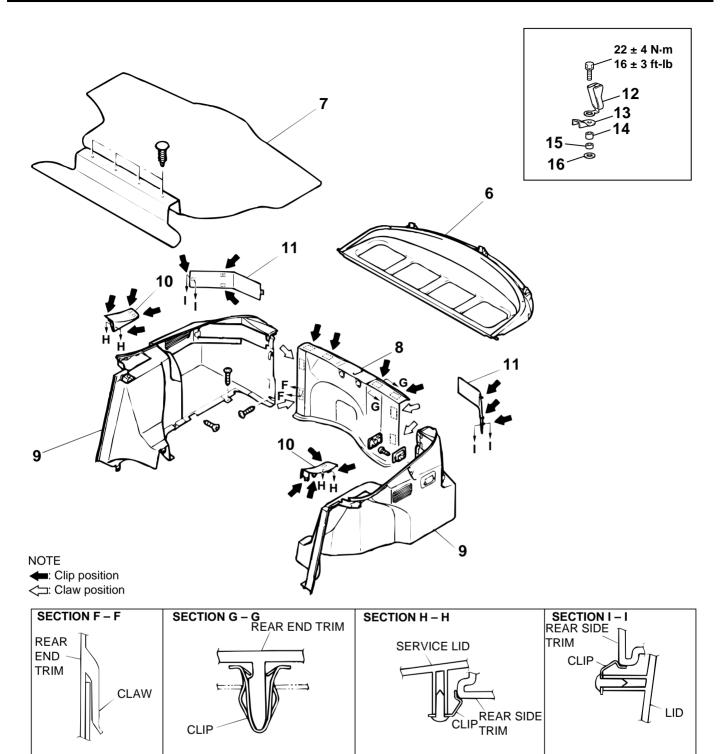
- 9. FOLDING TOP SWITCH <ECLIPSE SPYDER>
- 10. FOLDING TOP SWITCH HARNESS <ECLIPSE SPYDER>
- 11. SHIFT LEVER PANEL ASSEMBLY <M/T>
- 12. GARNISH <A/T>
- 13. SHIFT LEVER BOOT <M/T>

TRIMS

REMOVAL AND INSTALLATION <ECLIPSE>

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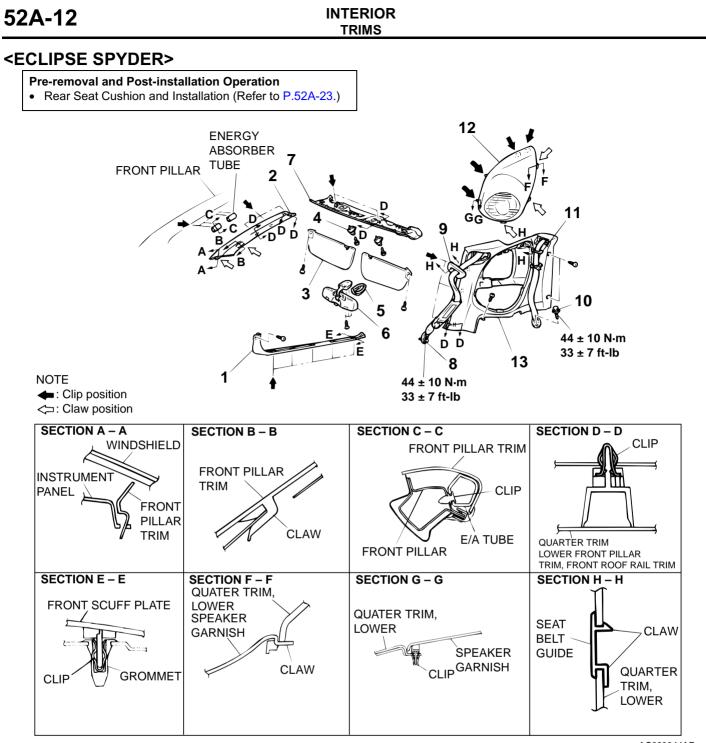
TRIMS REMOVAL STEPS

- 6. SHELF TRIM
- 7. LUGGAGE COMPARTMENT FLOOR CARPET ASSEMBLY
- 8. REAR END TRIM
- 9. REAR SIDE TRIM
- 10. SERVICE LID
- 11. LID

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TETHER ANCHOR REMOVAL STEPS

- 12. COVER
- 13. TETHER ANCHOR BRACKET
- 14. SPACER 10mm (0.4 inch)
- 15. SPACER 7mm (0.3 inch)
- 16. FIBER WASHER



FRONT PILLAR TRIM AND FRONT ROOF RAIL TRIM REMOVAL STEPS

- 1. FRONT SCUFF PLATE
- 2. FRONT PILLAR TRIM
- 3. SUNVISOR
- 4. SUNVISOR HOLDER
- 5. INSIDE REAR VIEW MIRROR STAY COVER
- 6. INSIDE REAR VIEW MIRROR
- 7. FRONT ROOF RAIL TRIM

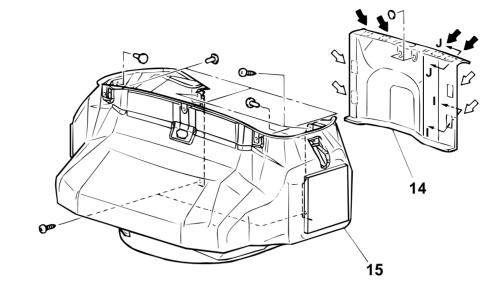
AC003044AB

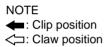
QUARTER TRIM REMOVAL STEPS

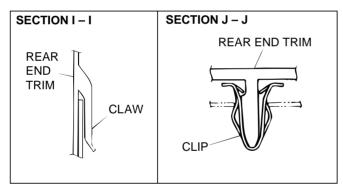
- DOOR INNER REAR OPENING WEATHERSTRIP (REFER TO GROUP 42 – DOOR INNER OPENING WEATHERSTRIP P.42-83.)
- REAR SEAT (REFER TO P.52A-23.)
- 8. FRONT OUTER SEAT BELT ANCHOR PLATE
- 9. SEAT BELT GUIDE <FRONT>
- 10. REAR OUTER SEAT BELT ANCHOR PLATE

QUARTER TRIM REMOVAL STEPS (Continued)

- 11. SEAT BELT GUIDE <REAR>
- 12. REAR SPEAKER GARNISH
- 13. QUARTER TRIM, LOWER







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- 14. REAR END TRIM
- 15. TRUNK COMPARTMENT TRIM

INTERIOR HEADLINING

HEADLINING

REMOVAL AND INSTALLATION

<ECLIPSE>

- Pre-removal and Post-installation Operation
- Front Pillar Trim and Quarter Trim, Upper Removal and

REMOVAL STEPS

2. SUNVISOR HOLDER

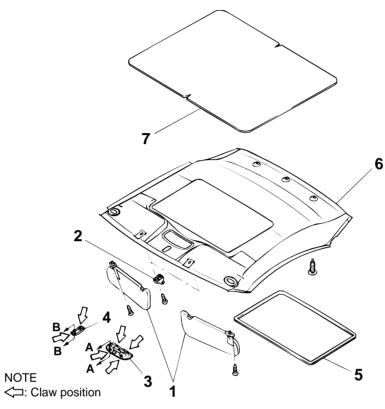
1. SUNVISOR ASSEMBLY

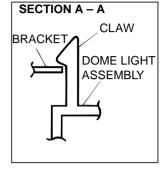
3. DOOM LIGHT ASSEMBLY

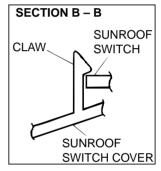
4. SUNROOF SWITCH COVER <VEHICLES WITH SUNROOF>

<VEHICLES WITHOUT SUNROOF>

Installation (Refer to P.52A-10.)





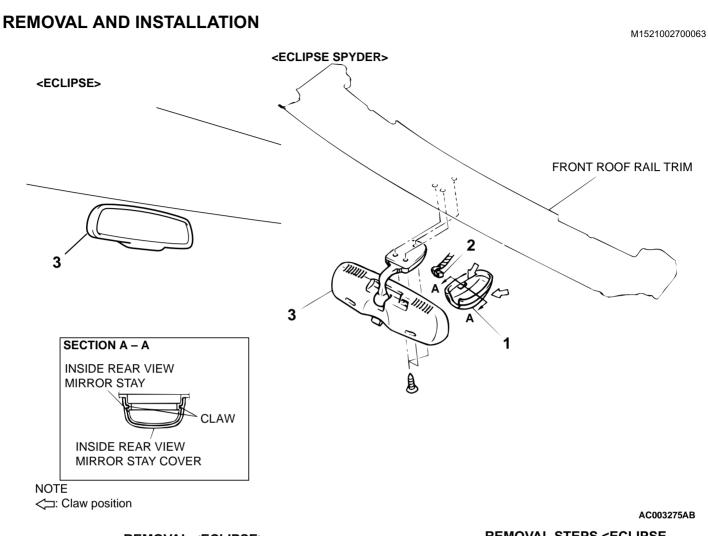


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- REMOVAL STEPS (Continued)
- 5. HEADLINING TRIM <VEHICLES WITH SUNROOF>
- 6. HEADLINING
- 7. ROOF PAD <VEHICLES WITHOUT SUNROOF>

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INSIDE REAR VIEW MIRROR



REMOVAL <ECLIPSE> COMPASS SENSOR

<<A>>>

3. INSIDE REAR VIEW MIRROR

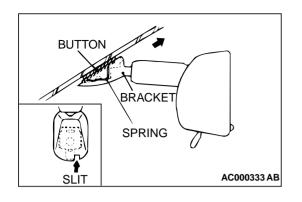
REMOVAL STEPS <ECLIPSE SPYDER>

- 1. INSIDE REAR VIEW MIRROR STAY COVER
- 2. HARNESS CONNECTOR
- 3. INSIDE REAR VIEW MIRROR

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INTERIOR 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 in the direction of the arrow in the illustration.

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

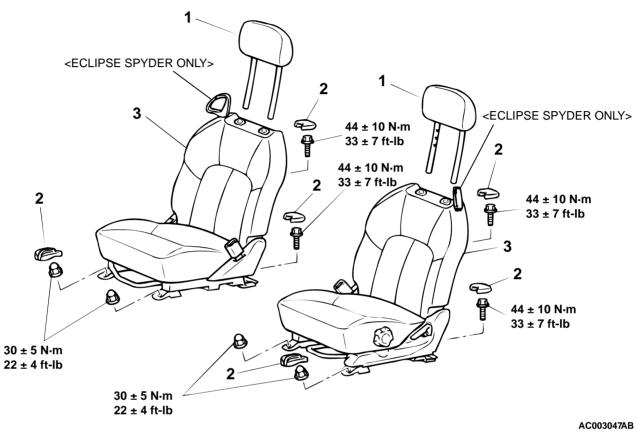
FRONT SEAT ASSEMBLY

REMOVAL AND INSTALLATION

M1522001300065

A WARNING

Before removing a seat equipped with a side air bag module, refer to GROUP 52B, SRS Service Precautions P.52B-15.



1. HEAD RESTRAINT

FRONT SEAT ASSEMBLY REMOV-AL STEPS

- HARNESS CONNECTOR
- 2. SEAT ANCHOR COVER
- >>A<< 3. FRONT SEAT ASSEMBLY

INSTALLATION SERVICE POINT

>>A<< FRONT SEAT ASSEMBLY INSTALLATION

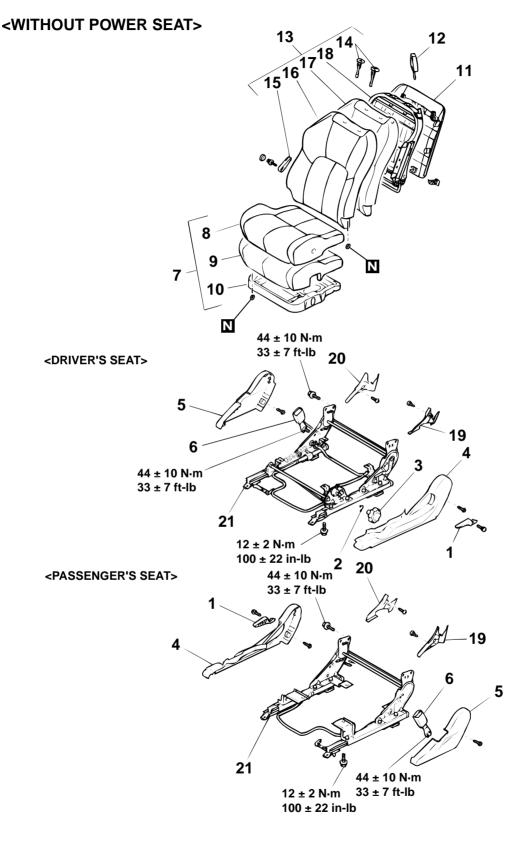
First install all of the front seat assembly mounting nuts and bolts, and then tighten them to the specified torque.

DISASSEMBLY AND ASSEMBLY

M1522001500081

A WARNING

Do not disassemble a front seatback assembly with built-in side air bag module.



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DISASSEMBLY STEPS

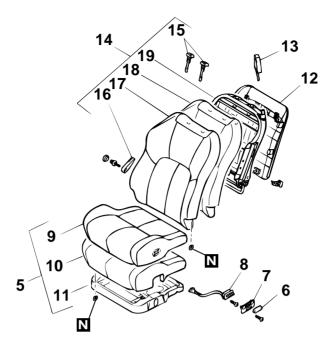
- 1. RECLINING ADJUSTER KNOB
- CLIP <DRIVER'S SEAT>
 HEIGHT ADJUSTER KNOB <DRIVER'S SEAT>
- 4. FRONT SEAT SHIELD COVER
- 5. FRONT SEAT SHIELD COVER
- 6. INNER SEAT BELT
- 7. FRONT SEAT CUSHION ASSEMBLY
- 8. FRONT SEAT CUSHION COVER
- 9. FRONT SEAT CUSHION PAD
- **10. FRONT SEAT CUSHION FRAME**
- 11. FRONT SEATBACK PANEL
- 12. SEAT BELTGUIDE <ECLIPSE SPYDER ONLY>

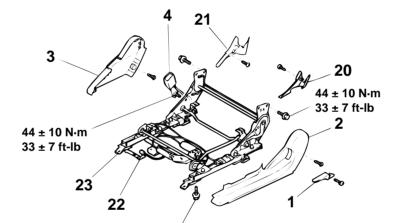
- **DISASSEMBLY STEPS (Continued)**
- 13. FRONT SEATBACK ASSEMBLY
- 14. HEADRESTRAINT GUIDE
- 15. LUMBAR SUPPORT KNOB <DRIVER'S SEAT>
- **16. FRONT SEATBACK COVER**
- 17. FRONT SEATBACK PAD
- 18. FRONT SEATBACK FRAME <VEHICLES WITHOUT SRS SIDE AIR BAG>
- 19. FRONT SEAT INNER COVER
- 20. FRONT SEAT INNER COVER
- 21. FRONT SEAT ADJUSTER ASSEMBLY

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<<A>>>







12 ± 2 N·m 100 ± 22 in-lb

DISASSEMBLY STEPS

- 1. RECLINING ADJUSTER KNOB
- 2. FRONT SEAT SHIELD COVER
- 3. FRONT SEAT SHIELD COVER
- 4. INNER SEAT BELT
- 5. FRONT SEAT CUSHION ASSEMBLY
- 6. FRONT SEAT SLIDE ADJUSTER LEVER
- 7. GARNISH
- 8. POWER SEAT SWITCH
- 9. FRONT SEAT CUSHION COVER
- 10. FRONT SEAT CUSHION PAD
- 11. FRONT SEAT CUSHION FRAME
- 12. FRONT SEATBACK PANEL
- 13. SEAT BELT GUIDE <ECLIPSE SPYDER ONLY>

AC003049AB

- DISASSEMBLY STEPS (Continued)
- 14. FRONT SEATBACK ASSEMBLY
- **15. HEADRESTRAINT GUIDE**
- 16. LUMBAR SUPPORT KNOB
- 17. FRONT SEATBACK COVER
- 18. FRONT SEATBACK PAD
- 19. FRONT SEATBACK FRAME <VEHICLES WITHOUT SRS SIDE AIR BAG>
- 20. FRONT SEAT INNER COVER
- 21. FRONT SEAT INNER COVER
- 22. POWER SEAT HARNESS
- 23. POWER SEAT ADJUSTER ASSEMBLY

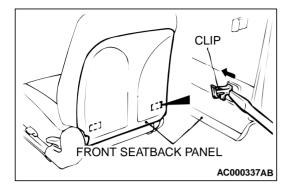
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<<A>>

DISASSEMBLY SERVICE POINT

<<A>> FRONT SEATBACK PANEL REMOVAL

- 1. Using a screwdriver or similar tool, push in the clip of the front seatback panel lower portion to remove it.
- 2. Pull down the front seatback panel to remove it.

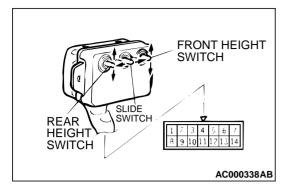


INTERIOR FRONT SEAT ASSEMBLY

INSPECTION

POWER SEAT SWITCH CONTINUITY CHECK

M1522001600033

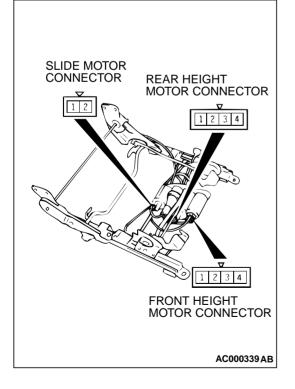


SWITCH POSITION		TESTER CONNECTION	SPECIFIED CONDITION
Slide switch	Forward	2–3, 4–14	Continuity
	Backward	1–4, 3–14	Continuity
Front height switch	Up	9–10, 11–14	Continuity
	Down	8–11, 10–14	Continuity
Rear height switch	Up	6–12, 7–14	Continuity
	Down	5–7, 12–14	Continuity
All switches	OFF	-	No continuity

POWER SEAT MOTOR OPERATION CHECK

Inspect the operation of each motor according to the following procedures.

- 1. Disconnect the connector for each motor.
- 2. When the battery is connected directly to the motor terminals, check if the motors run smoothly, and check if each setting mechanism runs in the direction shown in the table below for each motor.
 - (1) Connect the battery power source to the terminal 3 and ground the terminal 4 for the front/rear height down side and connect the battery power source to the terminal 4 and ground the terminal 3 for the front/rear height up side.
 - (2) Connect the battery power source to the terminal 1 and ground the terminal 2 for the slide backward side and connect the battery power source to the terminal 2 and ground the terminal 1 for the slide forward side.
- 3. If there is an abnormality, replace the power seat adjuster assembly.





REAR SEAT ASSEMBLY

REMOVAL AND INSTALLATION

<ECLIPSE>

<<A>>>

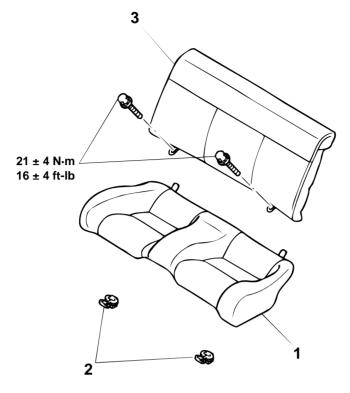
<BENCH SEAT> <SPLIT SEAT> 4.9 ± 1.0 N·m 43 ± 9 in-lb 4.9 ± 1.0 N·m 3 43 ± 9 in-lb 3 4 4.9 ± 1.0 N·m 4 43 ± 9 in-lb 4.9 ± 1.0 N·m 4 43 ± 9 in-lb 21 ± 4 N·m 16 ± 4 ft-lb 21 ± 4 N·m 16 ± 4 ft-lb 2 ٩ 2 Ð AC003040AB STRIKER REMOVAL STEPS **REMOVAL STEPS** QUARTER TRIM, LOWER (REFER 1. REAR SEAT CUSHION • TO P.52A-10.) 2. REAR SEAT STOPPER 4. STRIKER 3. REAR SEATBACK

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<<A>>>

<ECLIPSE SPYDER>



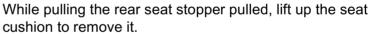
REMOVAL STEPS 1. REAR SEAT CUSHION **REMOVAL STEPS (Continued)** 2. REAR SEAT STOPPER

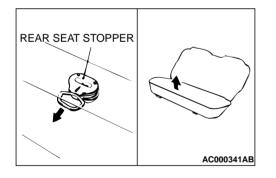
AC003050AB

>>A<< 3. REAR SEAT STOP

REMOVAL SERVICE POINT

<<A>> REAR SEAT CUSHION REMOVAL

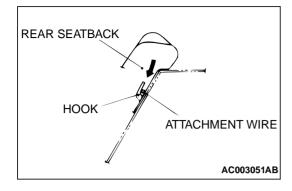




INSTALLATION SERVICE POINT

>>A<< REAR SEATBACK INSTALLATION

Push the rear seatback in the direction indicated in the illustration; then securely attach the attachment wire to the body side hook and install the rear seatback.

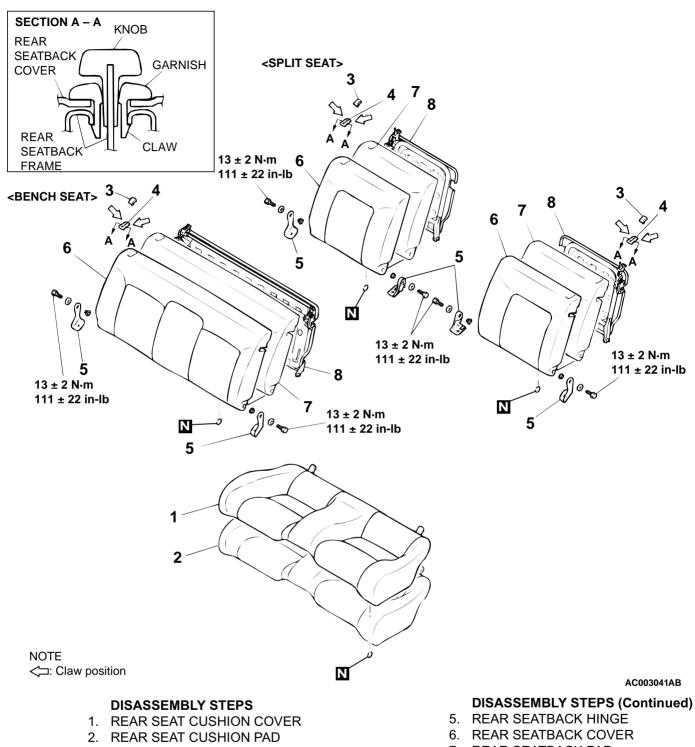


INTERIOR REAR SEAT ASSEMBLY

DISASSEMBLY AND ASSEMBLY

<ECLIPSE>

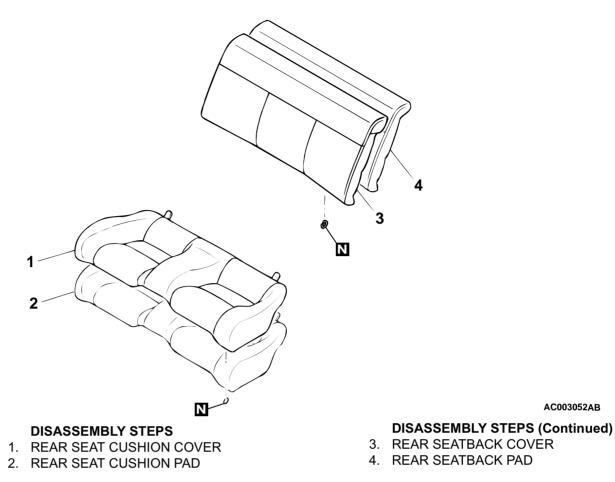
M1522002000090



- 3. KNOB
- 4. GARNISH

- 7. REAR SEATBACK PAD
- 8. REAR SEATBACK FRAME

<ECLIPSE SPYDER>



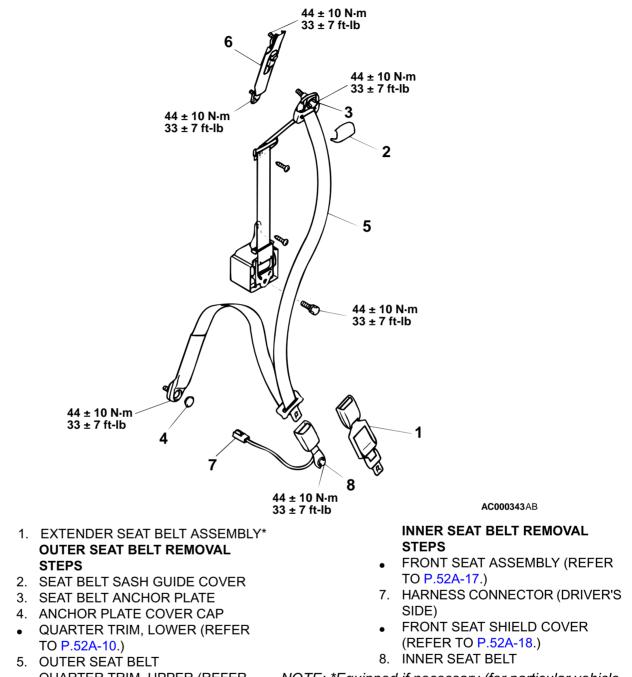
INTERIOR FRONT SEAT BELT

FRONT SEAT BELT

REMOVAL AND INSTALLATION

<ECLIPSE>

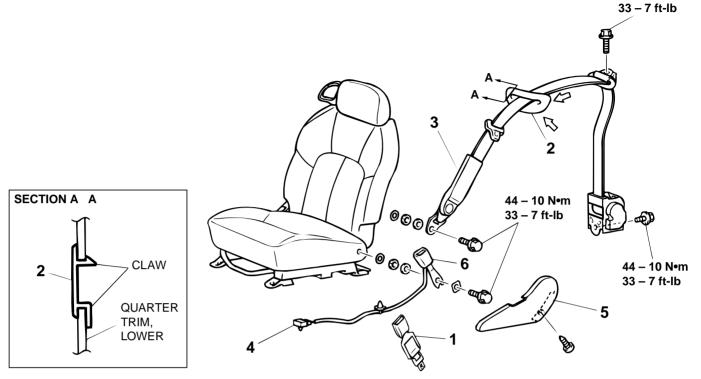
M1523001300068



- QUARTER TRIM, UPPER (REFER TO P.52A-10.)
- >>A<< 6. ADJUSTABLE SEAT BELT ANCHOR

NOTE: *Equipped if necessary (for particular vehicle usage)

<ECLIPSE SPYDER>



NOTE <⊐: Claw position

- 1. EXTENDER SEAT BELT ASSEMBLY* OUTER SEAT BELT REMOVAL STEPS
- 2. SEAT BELT GUIDE
- QUARTER TRIM, LOWER (REFER TO P.52A-10.)
- 3. OUTER SEAT BELT
- 5. OUTER SEAT BELT

AC003053AB

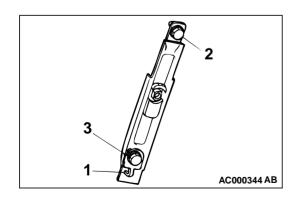
INNER SEAT BELT REMOVAL STEPS

- FRONT SEAT ASSEMBLY (REFER TO P.52A-17.)
- 4. HARNESS CONNECTOR (DRIVER'S SIDE)
- 5. FRONT SEAT SHIELD COVER (REFER TO P.52A-18.)
- 6. INNER SEAT BELT

NOTE: *Equipped if necessary (for particular vehicle usage)

INSTALLATION SERVICE POINT

>>A< ADJUSTABLE SEAT BELT ANCHOR INSTALLATION Observe the order shown.



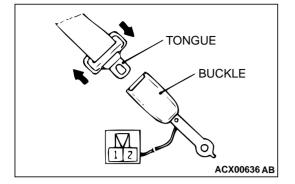
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44 – 10 N•m

INTERIOR REAR SEAT BELT

INSPECTION

SEAT BELT BUCKLE SWITCH CONTINUITY CHECK



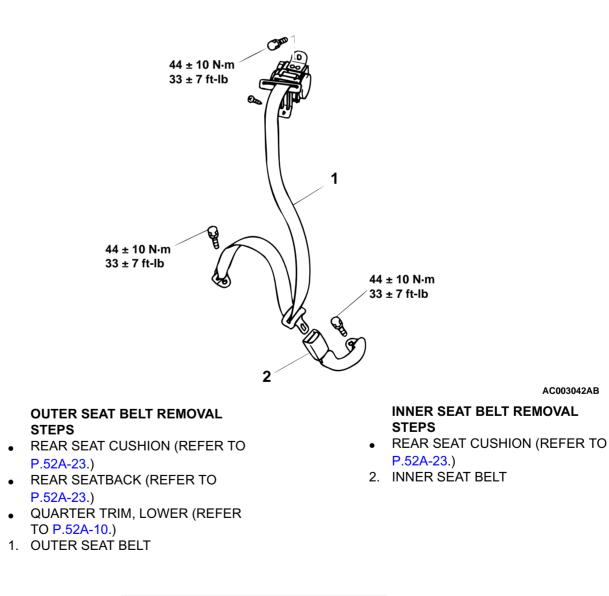
ITEMS	TESTER CONNECTION	SPECIFIED CONDITION
Fastened seat belt	-	No continuity
Unfastened seat belt	1 – 2	Continuity

REAR SEAT BELT

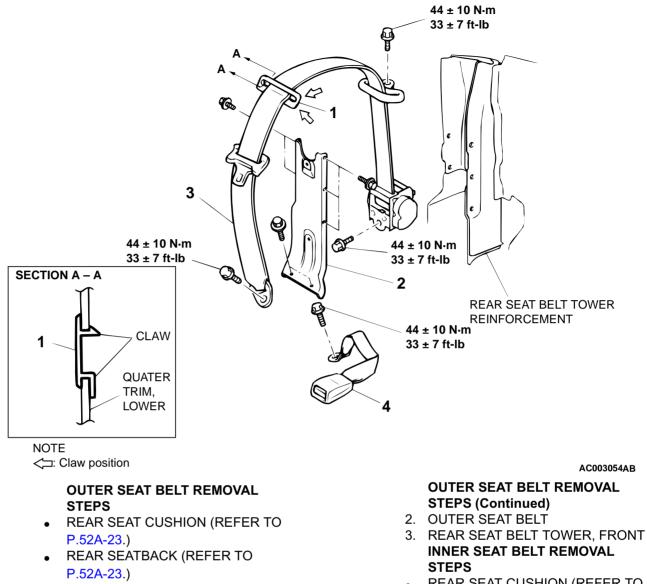
REMOVAL AND INSTALLATION

<ECLIPSE>

M1523001600069



<ECLIPSE SPYDER>



- 1. SEAT BELT GUIDE
- QUARTER TRIM, LOWER (REFER • TO P.52A-10.)

- REAR SEAT CUSHION (REFER TO • P.52A-23.)
- 4. INNER SEAT BELT

INTERIOR SPECIFICATIONS

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

M1521004100067

ITEM	SPECIFICATION
Adjustable seat belt anchor bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Catch bolt	12 ± 2 N·m (100 ± 22 in-lb)
Front inner seat belt bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Front outer seat belt anchor plate bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Front outer seat belt bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Front seat bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Front seat nut	30 ± 5 N·m (22 ± 4 ft-lb)
Front seat reclining adjuster bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Rear inner seat belt bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Rear outer seat belt anchor plate bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Rear outer seat belt bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Rear seatback bolt	21 ± 4 N·m (16 ± 4 ft-lb)
Rear seatback hinge bolt	13 ± 2 N·m (111 ± 22 in-lb)
Striker bolt	4.9 ± 1.0 N⋅m (44 ± 8 in-lb)
Tether anchor bolt	22 ± 4 N·m (16 ± 3 ft-lb)