GROUP 51

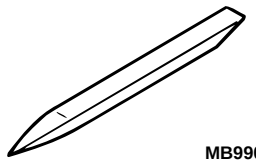
EXTERIOR

CONTENTS

FRONT BUMPER ASSEMBLY

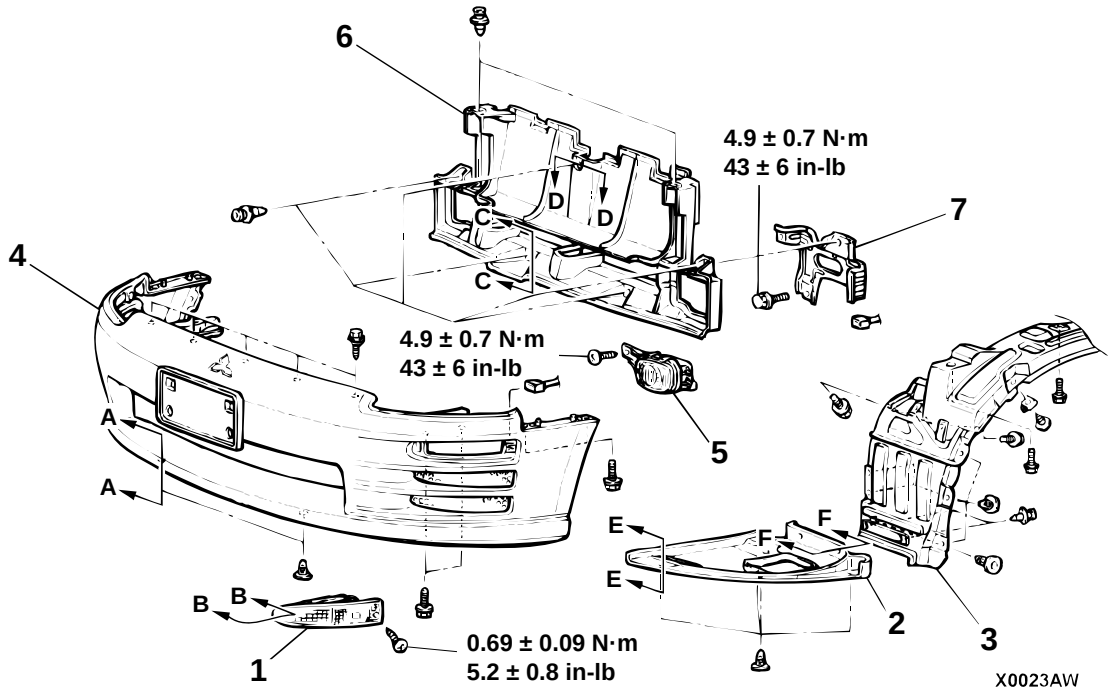
SPECIAL TOOL

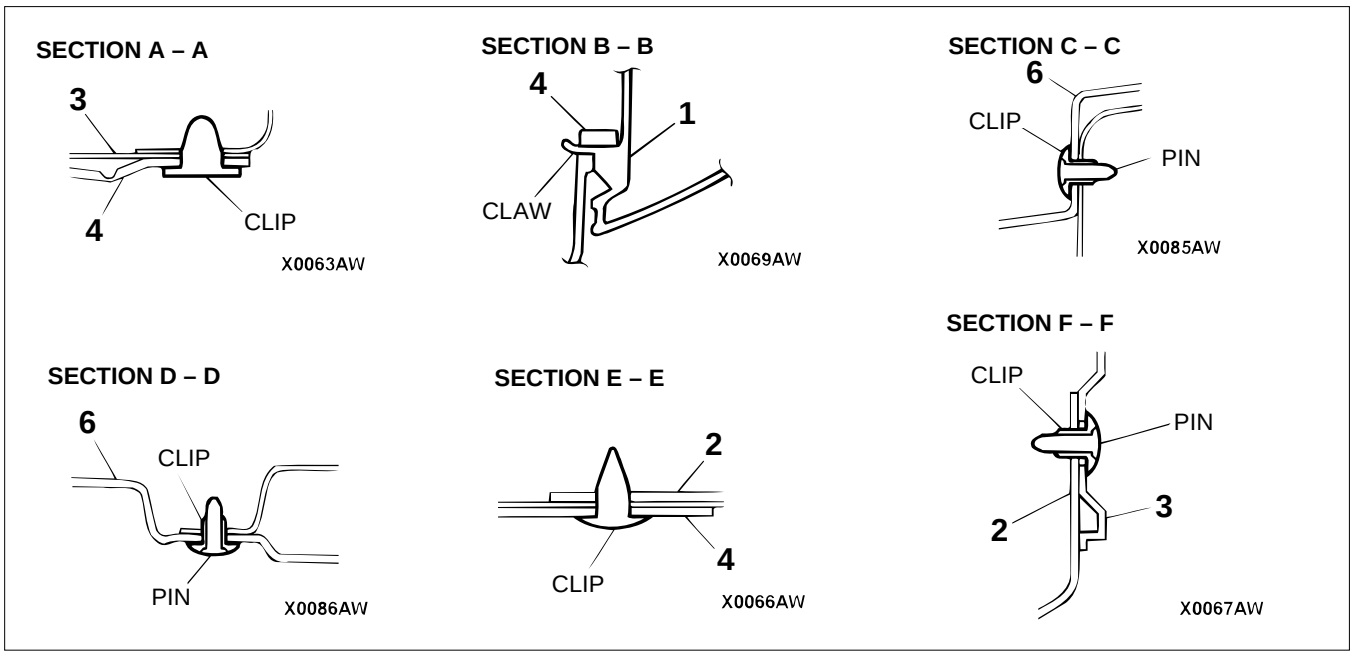
M1511000600285

TOOL	TOOL NUMBER AND NAME	REPLACED BY MILLER TOOL NUMBER	APPLICATION
 MB990784	MB990784 Ornament remover	General service tool	Removal of clip

REMOVAL AND INSTALLATION

M1511001400091





AC003159 AB

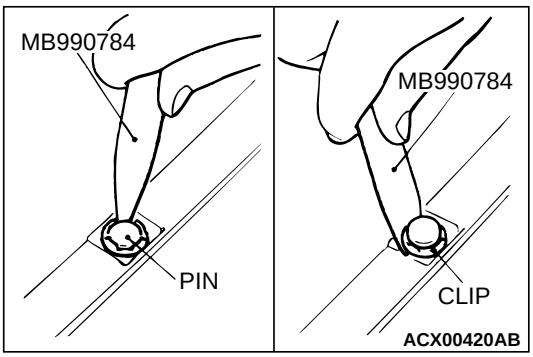
REMOVAL STEPS
1. FRONT TURN SIGNAL LIGHT
2. UNDER COVER
3. SPLASH SHIELD

<<A>>
4. FRONT BUMPER ASSEMBLY
5. FRONT FOG LIGHT ASSEMBLY

REMOVAL STEPS (Continued)
6. AIR GUIDE DUCT
7. FRONT FOG LIGHT BRACKET

Required Special Tool:
- MB990784: Ornament Remover

TSB Revision



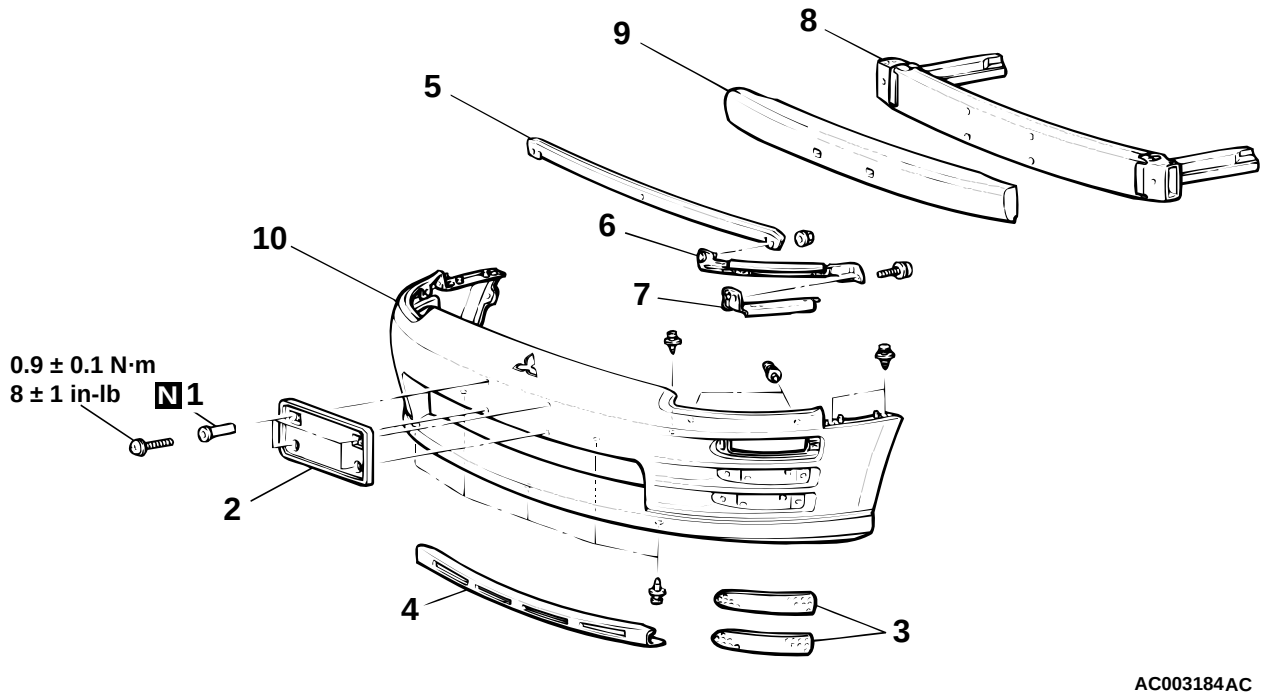
REMOVAL SERVICE POINT

<<A>> FRONT BUMPER ASSEMBLY REMOVAL

1. Use special tool MB990784 to pull up the center pin in the clip.
2. Remove the clip.

DISASSEMBLY AND ASSEMBLY

M1511001600095



DISASSEMBLY STEPS

1. RUBBER NUT
2. LICENCE PLATE GARNISH
3. FRONT BUMPER FACE COVER
4. FRONT BUMPER LOWER PLATE
5. FRONT BUMPER CENTER PLATE
6. FRONT BUMPER SIDE PLATE
7. FRONT BUMPER CORNER PLATE

DISASSEMBLY STEPS (Continued)

8. FRONT BUMPER REINFORCEMENT
9. FRONT BUMPER CORE
10. FRONT BUMPER FACE

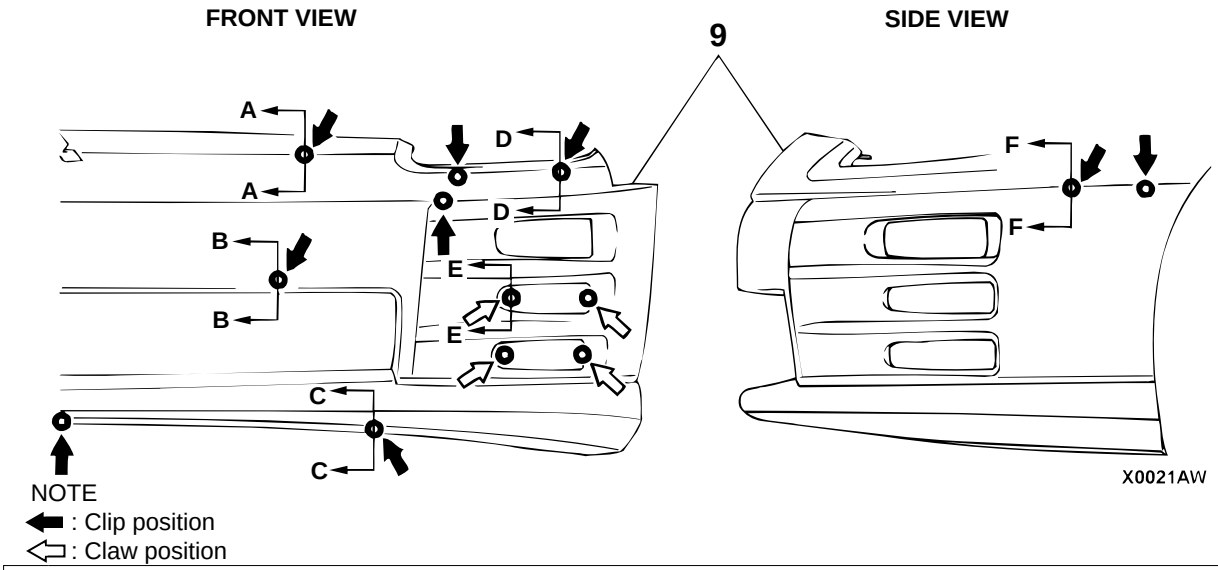
<<A>>

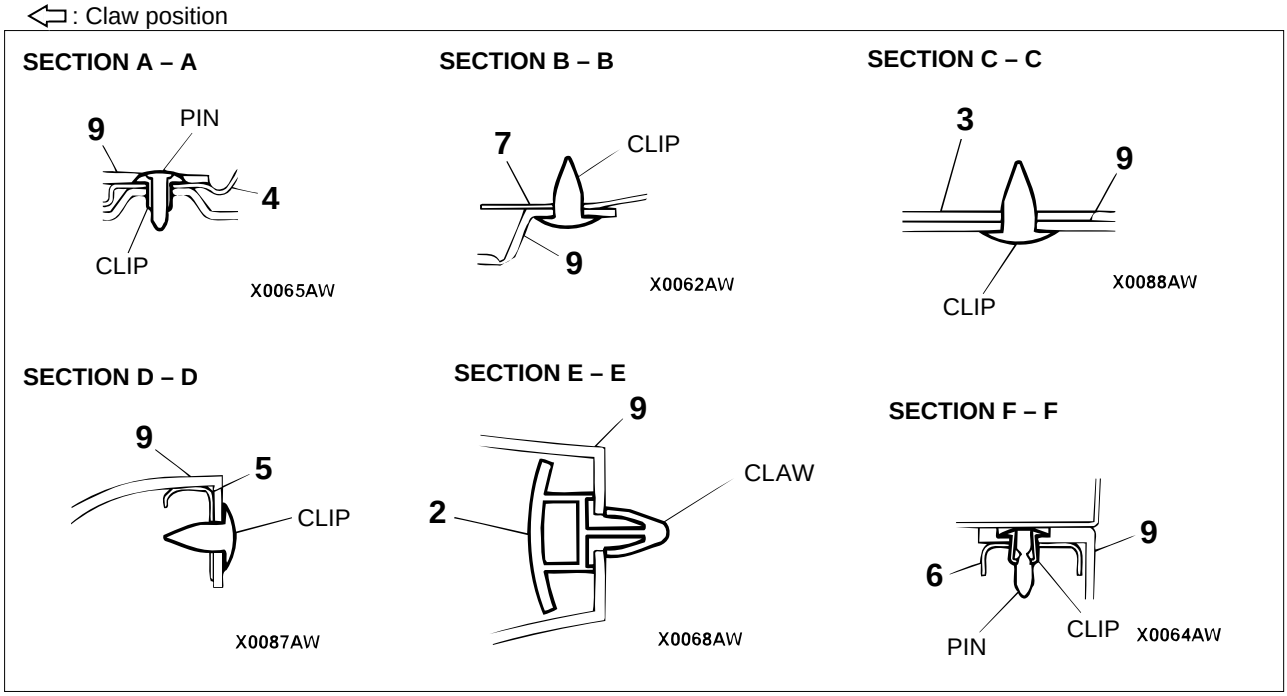
Required Special Tool:

- MB990784: Ornament Remover

TSB Revision

CLIP AND CLAW POSITION



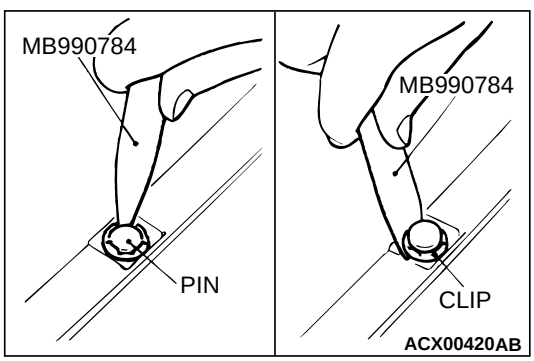


AC003185AB

DISASSEMBLY SERVICE POINT

<<A>> FRONT BUMPER FACE REMOVAL

1. Use special tool MB990784 to pull up the center pin in the clip.
2. Remove the clip.



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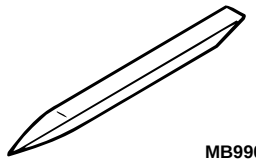
REAR BUMPER ASSEMBLY

SPECIAL TOOL

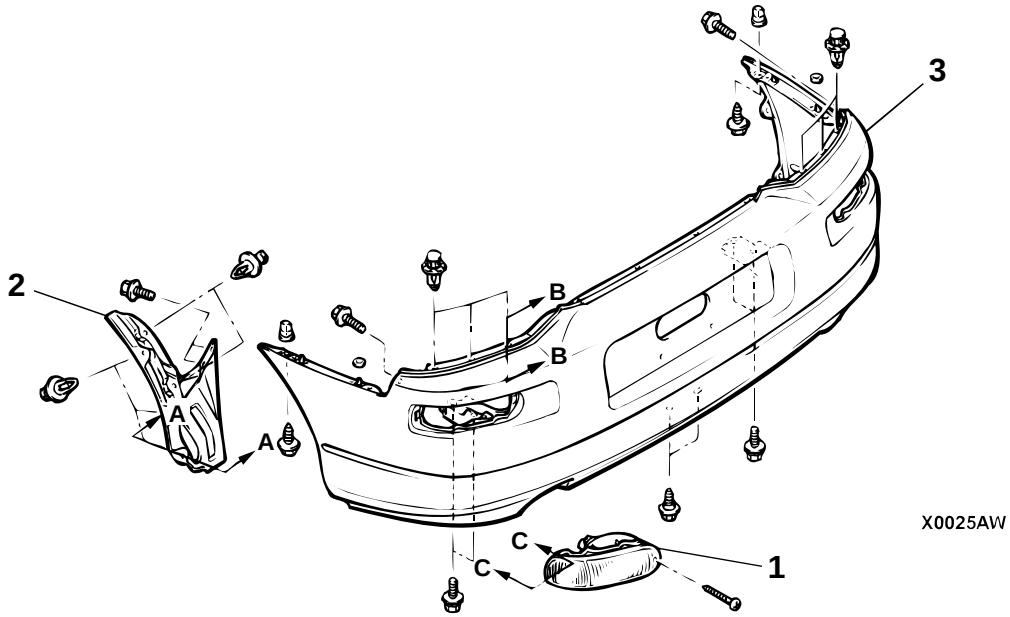
M1511000600296

TOOL	TOOL NUMBER AND NAME	REPLACED BY MILLER TOOL NUMBER	APPLICATION
 MB990784	MB990784 Ornament remover	General service tool	Removal of clip

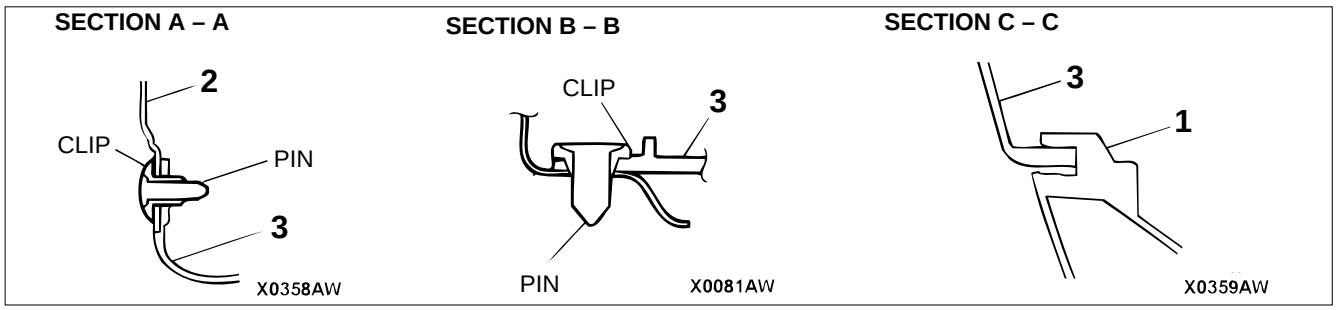
REMOVAL AND INSTALLATION

M1511001900085

Pre-removal and Post-installation Operation
- Rear End Trim and Trunk Compartment Trim <ECLIPSE SPYDER> Removal and Installation (Refer to GROUP 52A, Trims P.52A-10.)
- Main Muffler Removal and Installation (Refer to GROUP 15, Exhaust Pipe and Main Muffler P.15-19 and P.15-21.)



X0025AW

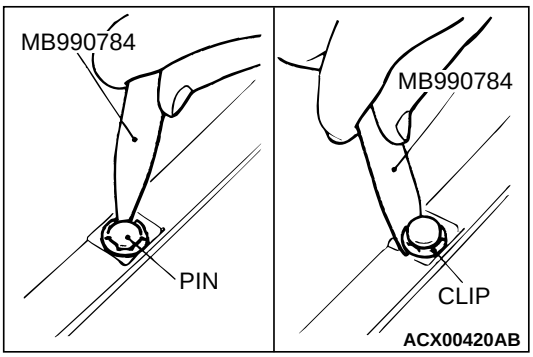


AC003186 AB

REMOVAL STEPS
1. BACKUP LIGHT ASSEMBLY
2. SPLASH SHIELD
<<A>> 3. REAR BUMPER ASSEMBLY

Required Special Tool:
- MB990784: Ornament Remover

TSB Revision



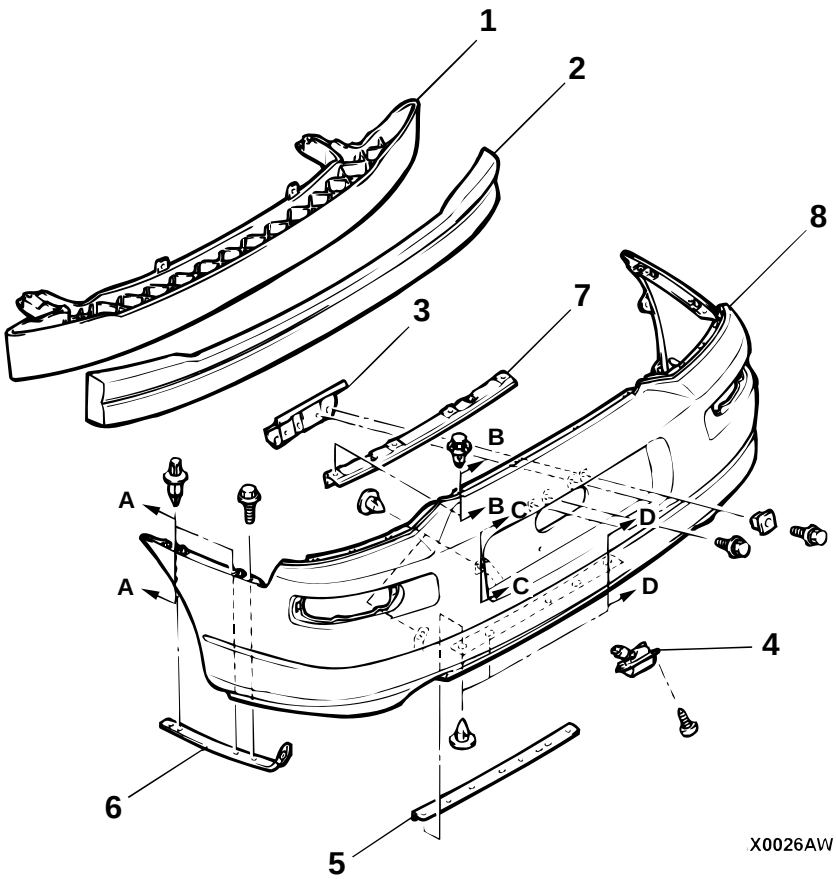
REMOVAL SERVICE POINT

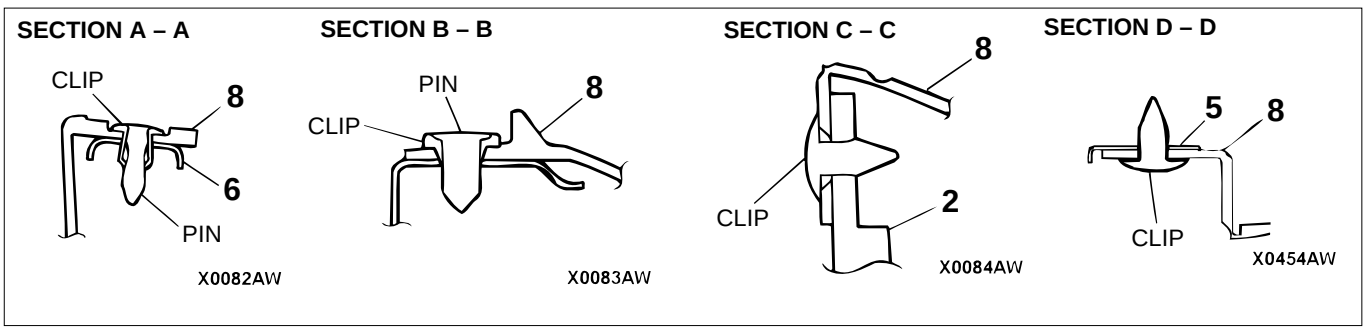
<<A>> REAR BUMPER ASSEMBLY REMOVAL

1. Use special tool MB990784 to pull up the center pin in the clip.
2. Remove the clip.

DISASSEMBLY AND ASSEMBLY

M1511002100082





AC003187AB

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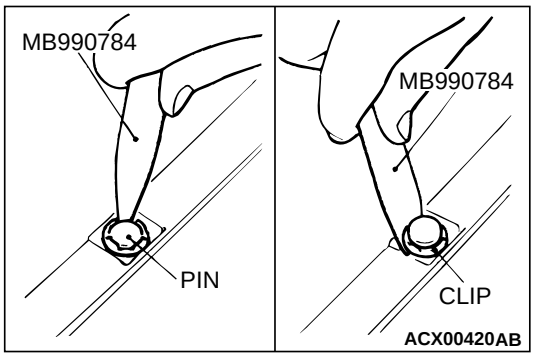
DISASSEMBLY STEPS

1. REAR BUMPER REINFORCEMENT
2. REAR BUMPER CORE
3. LICENSE PLATE LIGHT BRACKET
4. LICENSE PLATE LIGHT ASSEMBLY
5. REAR BUMPER LOWER PLATE
6. REAR BUMPER SIDE PLATE
7. REAR BUMPER UPPER PLATE

<<A>> 8. REAR BUMPER FACE

Required Special Tool:

- MB990784: Ornament Remover



DISASSEMBLY SERVICE POINT

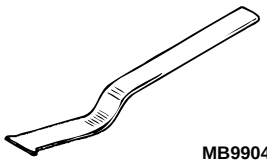
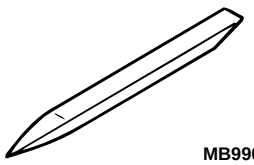
<<A>> REAR BUMPER FACE REMOVAL

1. Use special tool MB990784 to pull up the center pin in the clip.
2. Remove the clip.

GARNISHES AND MOULDINGS

SPECIAL TOOLS

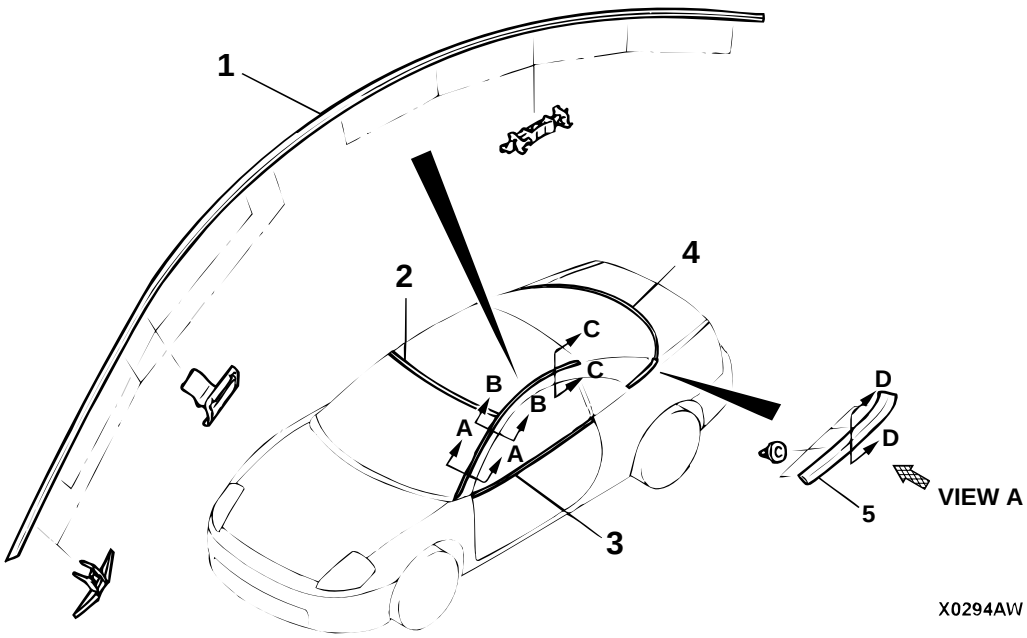
M1511000600304

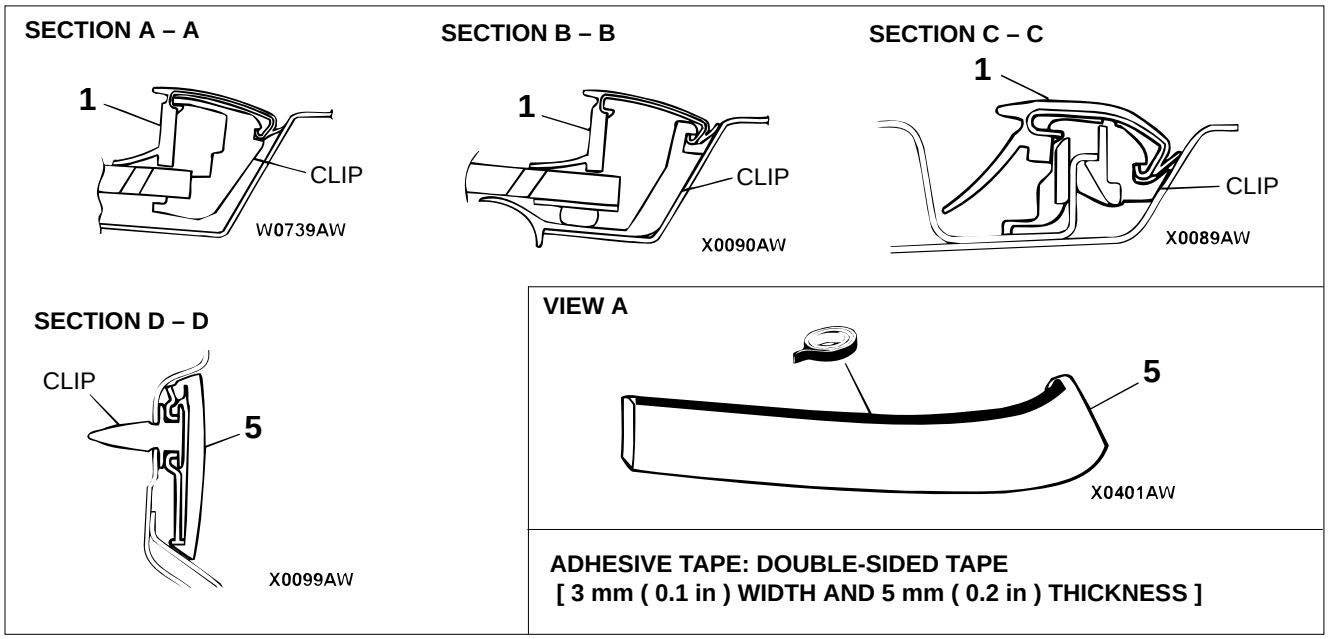
TOOL	TOOL NUMBER AND NAME	REPLACED BY MILLER TOOL NUMBER	APPLICATION
 MB990449	MB990449 Window molding remover	General service tool	Removal of roof drip molding
 MB990784	MB990784 Ornament remover	General service tool	Removal of clip

REMOVAL AND INSTALLATION

M1511004400056

<ECLIPSE>





AC003619AB

<<A>> >>B<< 1. ROOF DRIP MOLDING
2. WINDSHIELD UPPER MOLDING (REFER TO GROUP 42, WINDSHIELD P.42-13.)
3. BELT LINE MOLDING (REFER TO GROUP 42 P.42-83.)
4. REAR WINDOW LOWER MOLDING (REFER TO GROUP 42, LIFTGATE GLASS P.42-22.)

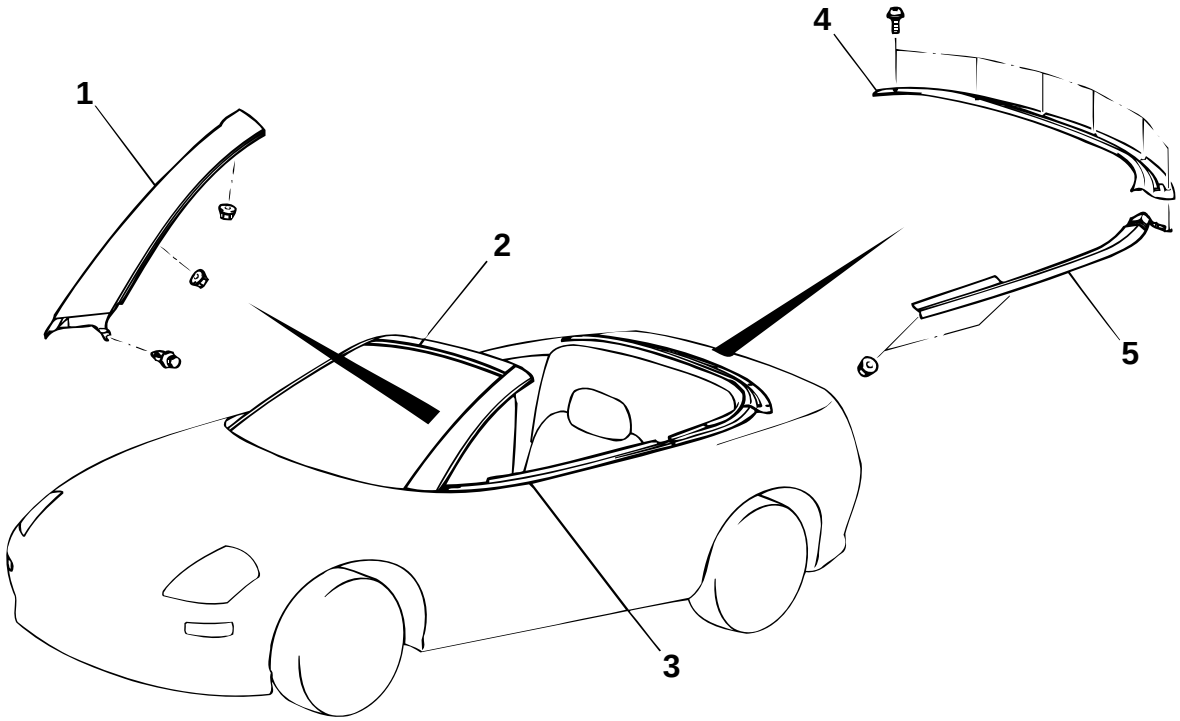
<<B>> **>>A<<** 5. REAR PILLAR GARNISH

TSB Revision

Required Special Tools:

- MB990449: Window Molding Remover
- MB990784: Ornament Remover

<ECLIPSE SPYDER>



AX0890AW
AC003620 AB

1. DRIP GARNISH
2. WINDSHIELD UPPER MOLDING (REFER TO GROUP 42, WINDSHIELD.)
3. BELT LINE MOLDING (REFER TO GROUP 42, DOOR WINDOW GLASS RUNCHANNEL AND DOOR OPENING WEATHERSTRIP.)
4. BACK BELT MOLDING
5. QUARTER BELT SIDE GARNISH

TSB Revision

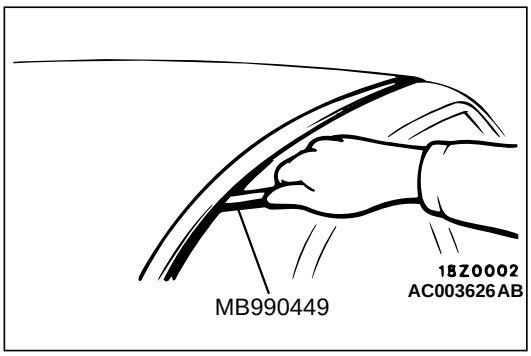
REMOVAL SERVICE POINTS

<<A>> ROOF DRIP MOLDING REMOVAL

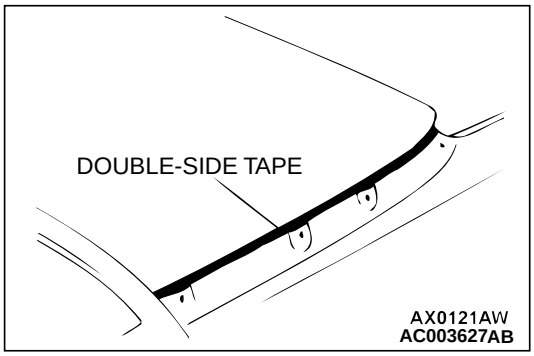
⚠ CAUTION

If the molding has become warped, it should not be reused.

Use special tool MB990449 to lever out the molding.



<<B>> REAR PILLAR GARNISH REMOVAL



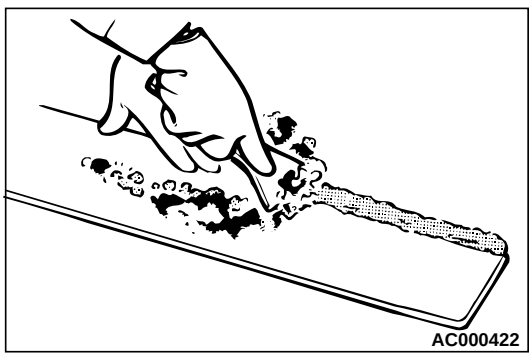
1. Use a resin spatula to scrape off the double-sided tape.
2. Wipe the body surface and clean it with a shop towel moistened with isopropyl alcohol.

INSTALLATION SERVICE POINTS

>>A<< REAR PILLAR GARNISH INSTALLATION

Double-sided tape affixing to the garnish (When reusing)

1. Scrape off the double-sided tape with a resin spatula or gasket scraper.

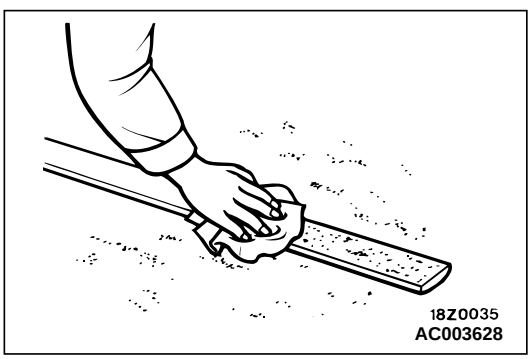


2. Use a shop towel moistened with 3M™ AAD Part number 8906 or equivalent to wipe the rear piller garnish surface.

⚠ CAUTION

Do not remove all of the residual adhesive.

3. Remove only a small portion of the residual adhesive.



TSB Revision

⚠ CAUTION

- **Always apply it evenly on the entire surface, because a lot or little will reduce its strength.**
- **Do not touch the painted surface.**

4. Affix the specified double-sided tape [3 mm (0.1 inch) wide and 5 mm (0.2 inch) thick].

REAR PILLAR GARNISH INSTALLATION.

1. Tear off the double-sided tape backing paper.

   NOTE: If you attach the adhesive tape to the edge of the backing paper, if will be easy to tear off.

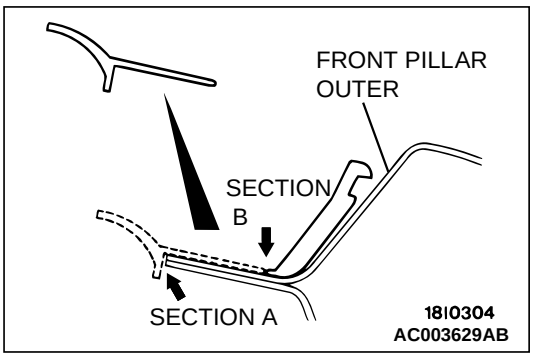
2. Install the rear pillar garnish.

   NOTE: If the double-sided tape is difficult to affix in cold temperature, etc., warm the bonding surfaces of the body and rear pillar garnish to about 40 - 60°C (104 - 140°F) before affixing the tape.

3. Firmly press in the rear pillar garnish.

>>B<< ROOF DRIP MOLDING INSTALLATION

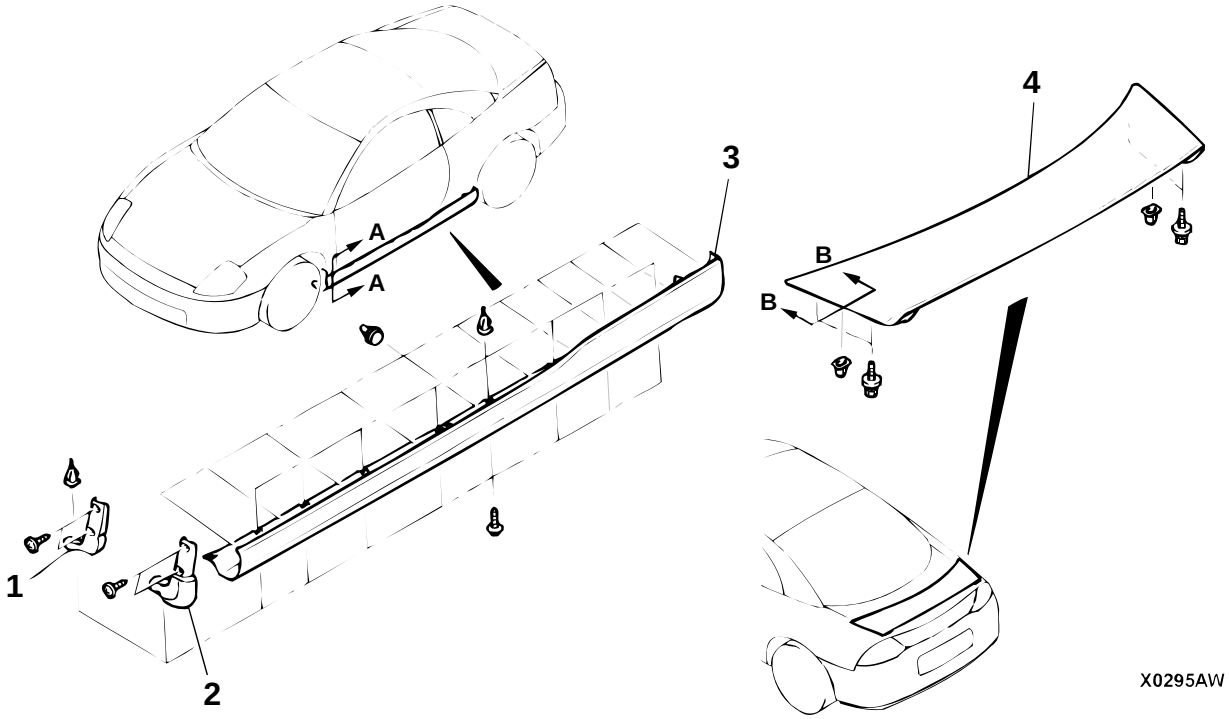
After installing the clip to the outer front pillar in alignment with its section A, cut from section B.

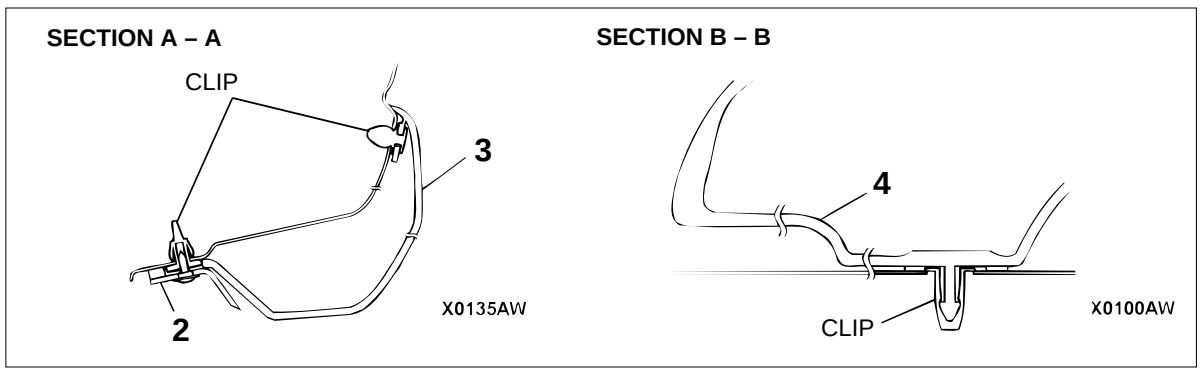


AERO PARTS

REMOVAL AND INSTALLATION

M1511005000039





AC003621AB

REMOVAL STEPS

1. STONE GUARD <VEHICLES WITHOUT SIDE AIR DAM>
2. FRONT SIDE AIR DAM
3. REAR SIDE AIR DAM
4. REAR SPOILER

TSB Revision

WINDSHIELD WIPER AND WASHER

GENERAL DESCRIPTION

M1511000100116

OPERATION

Windshield Low-speed (and High-speed) Wiper Operation

- If the wiper switch is turned to the "LO" position with the ignition switch at the "ACC" or "ON" position, the column switch sends a low-speed wiper ON and high-speed wiper OFF signals to the front-ECU. This turns the wiper signal on and the wiper speed switching relay off (low-speed), causing the wipers to operate at low-speed.
- If the wiper switch is turned to the "HI" position, the column switch sends a low-speed wiper OFF and high-speed wiper ON signals to the front-ECU. This turns both the wiper signal and the wiper speed switching relay on (high-speed), causing the wipers to operate at high-speed.

Windshield Intermittent Wiper Operation

- The ETACS-ECU calculates the wiper operation interval according to the voltage signal sent from the column switch. Then the ETACS-ECU sends a signal to the front-ECU. The front-ECU determines the wiper operation interval and turns on the wiper relay signal. This causes the wiper auto stop relay to turn on. Then the wiper auto stop relay will turn off after the wipers reach the park position. This causes the wiper signal relay and then the wipers to turn off. If the wiper signal relay remains off for the wiper operation interval, the relay turns on again, causing the wipers to operate in intermittent mode.

Windshield Mist Wiper Operation

- If the wiper switch is turned to the "MIST" position with the ignition switch at "ACC" or "ON" position, the mist wiper high-speed operation signal is sent to the front-ECU. This signal turns on the wiper speed switching relay, causing the wipers to work at high-speed while the mist switch is on.
- While the mist wiper switch remains turned on when the intermittent mode is still working, the wipers work as the mist wiper. However, the wipers return to the intermittent mode again when the wiper auto stop signal turns on after the mist wiper switch is turned off.

Windshield Washer Operation

- If the wiper switch is turned to the "WASHER" position with the ignition switch at "ACC" or "ON" position, the washer ON signal is sent to the front-ECU, causing the wiper signal to turn on after 0.6 seconds. After the washer switch signal turns off, the wiper signal turns off in three seconds. If the wiper switch is turned the "WASHER" position while the wiper is at intermittent mode, the washer works for that period when the washer switch remains on. Then the wipers return to the intermittent mode.

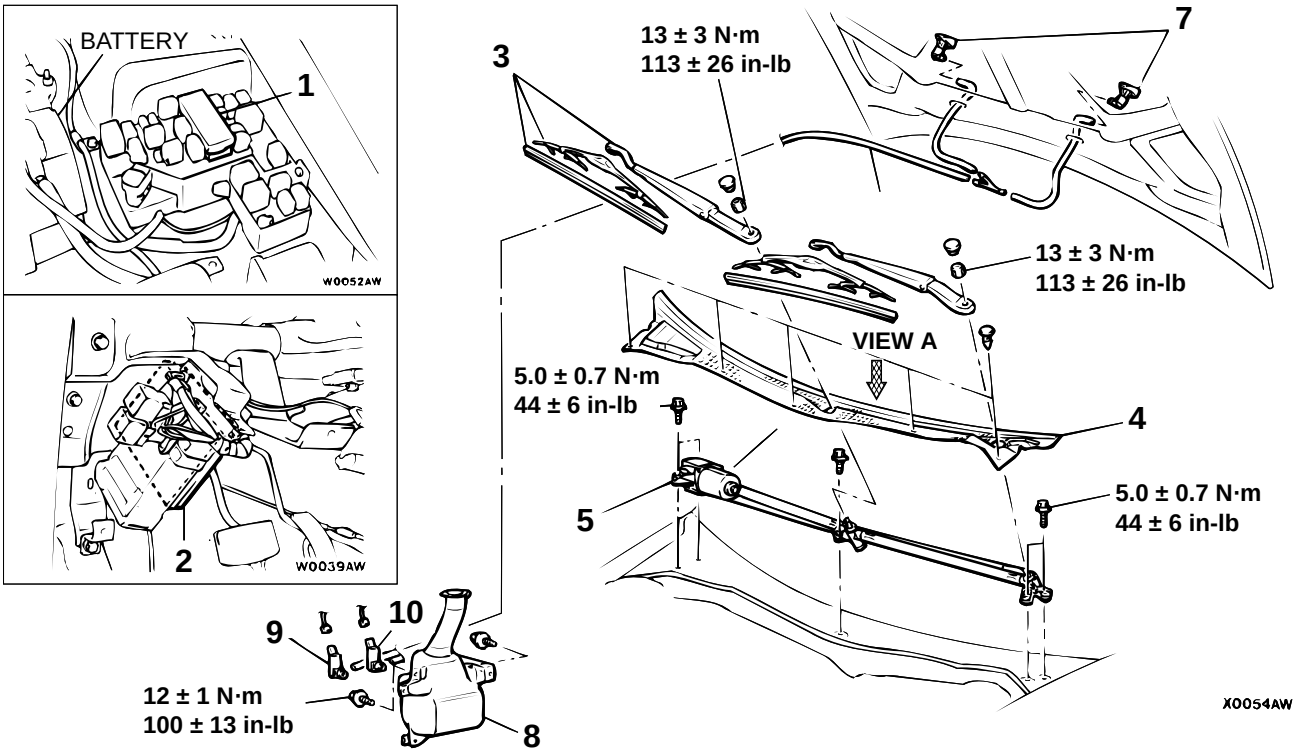
WINDSHIELD WIPER AND WASHER DIAGNOSIS

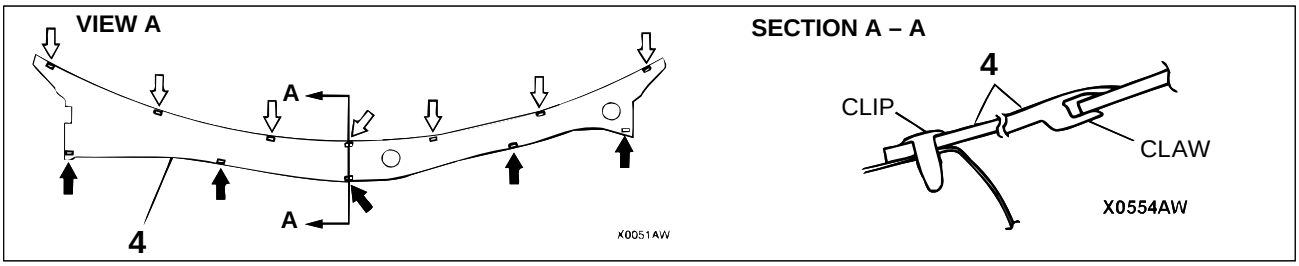
M1511000700099

The windshield wiper and washer are controlled by ETACS-ECU. For troubleshooting, refer to GROUP 54B, SWS Diagnosis.

REMOVAL AND INSTALLATION

M1511007600059





NOTE
⬅: Clip position
⇦: Claw position

AC003326 AB

1. FRONT-ECU
2. ETACS-ECU

WIPER MOTOR AND LINK ASSEMBLY REMOVAL STEPS

>>B<< 3. WIPER ARM AND BLADE ASSEMBLY
4. FRONT DECK GARNISH
<<A>> >>A<< 5. WIPER MOTOR AND LINK ASSEMBLY

WASHER NOZZLE REMOVAL STEPS

- FRONT SPLASH SHIELD

6. WASHER HOSE
7. WASHER NOZZLE

WASHER TANK REMOVAL STEPS

- FRONT SPLASH SHIELD (REFER TO GROUP 42, FENDER P.42-9.)
- FRONT BUMPER ASSEMBLY (REFER TO GROUP51 P.51-3.)
- PASSENGER'S SIDE HEADLIGHT (REFER TO GROUP 54A P.54A-73.)
- WASHER FLUID DRAINING AND REFILLING

6. WASHER HOSE
8. WASHER TANK ASSEMBLY
9. FRONT WINDSHIELD WASHER MOTOR
10. REAR WINDSHIELD WASHER MOTOR

NOTE: For removal and installation of the wiper and washer switch, refer to GROUP 54A P.54A-86, Column switch.

TSB Revision

REMOVAL SERVICE POINT

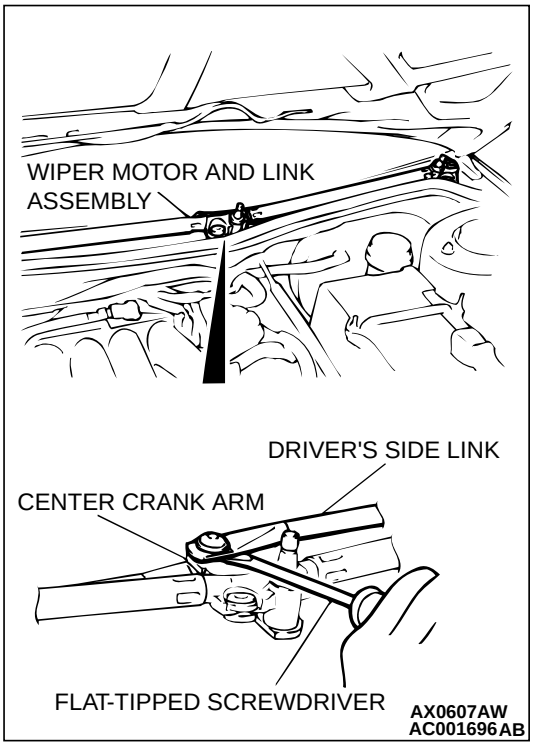
<<A>> WIPER MOTOR AND LINK ASSEMBLY REMOVAL

1. Remove the five mounting bolts of the wiper motor and link assembly and disconnect the connector.
2. To protect the windshield, apply duct tape to the entire circumference of the glass near the wiper motor and link assembly installation position.

⚠ CAUTION

Be careful not to damage the windshield glass when removing the wiper motor and link assembly.

3. Use a flat-tipped screwdriver to disengage the driver's side link from the center crank arm.
4. Remove the wiper motor and link assembly from the vehicle body (the cowl) while being careful not to scratch the windshield glass.



INSTALLATION SERVICE POINTS

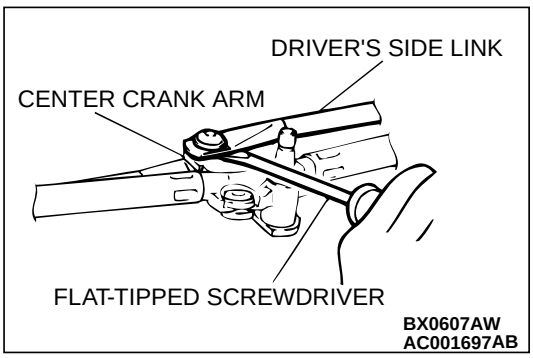
>>A<< WIPER MOTOR AND LINK ASSEMBLY INSTALLATION

1. Disengage the driver's side link from the center crank arm when replacing with new one.

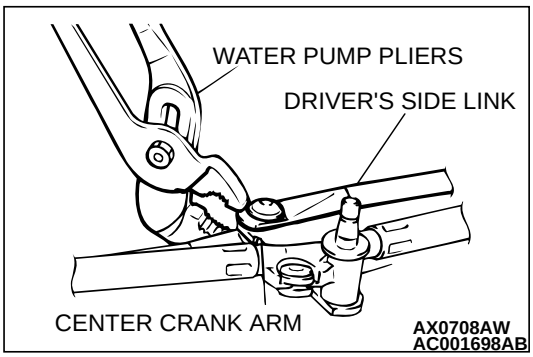
⚠ CAUTION

Be careful not to scratch the windshield glass when installing the wiper motor and link assembly.

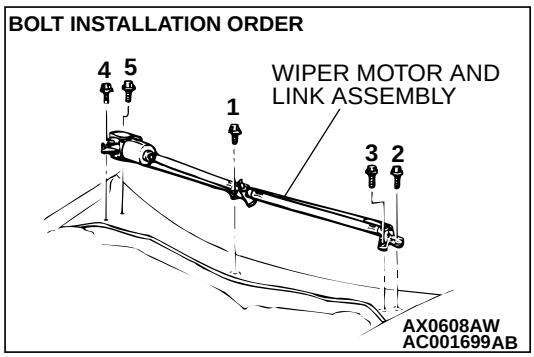
2. Install the wiper motor and link assembly to the vehicle body (the cowl) while being careful not to scratch the windshield glass.



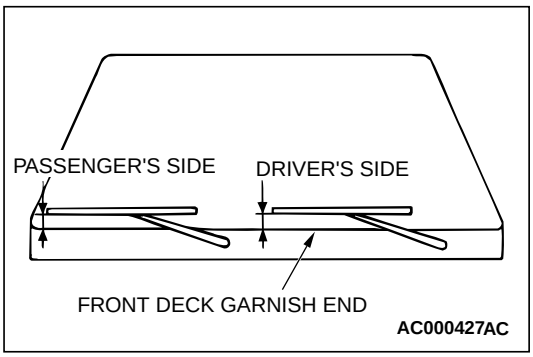
TSB Revision



3. Use water pump pliers to engage securely the driver's side link with the center crank arm.



4. Install the five mounting bolts in the shown order to install the wiper motor and link assembly.
5. Secure the wiper motor and link assembly in the wiper park position (Refer to, Wiper Motor Check P.51-18).



>>B<< WIPER ARM AND BLADE ASSEMBLY INSTALLATION

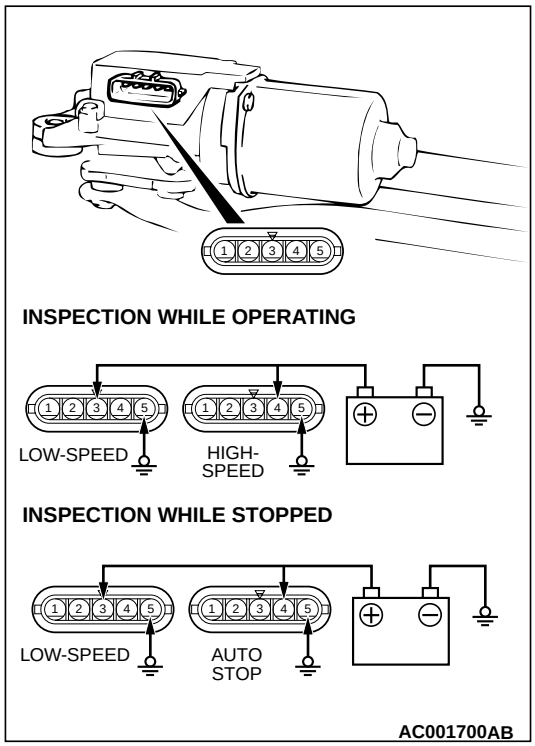
Install the wiper blade at the specified position (standard value).

Standard value:
Driver's side: 33 – 43 mm (1.3 – 1.7 inches)
Passenger's side: 38 – 48 mm (1.5 – 1.9 inches)

INSPECTION

FRONT WIPER MOTOR CHECK

M1511012600055



Check the wiper motor after disconnecting the wiring harness connector, and with the wiper motor remaining installed to the body.

Wiper Motor at Low-Speed and High-Speed Operation

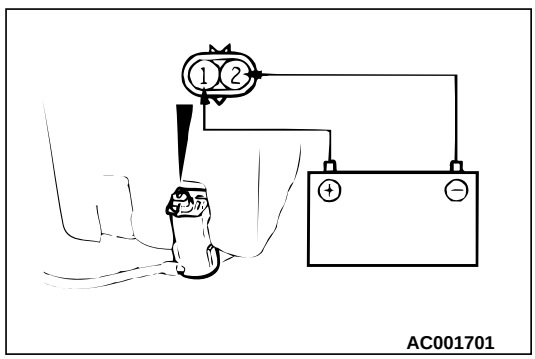
Connect the battery to the wiper motor as shown in the illustration, and then check the operation of the wiper motor at low speed and at high speed.

Wiper Motor at Stop Position Operation

1. Run the wiper motor at low-speed, disconnect the battery, and stop the motor.
2. Reconnect the battery as shown in the illustration, and confirm that the motor starts turning at low-speed, and then stops at the automatic stop position.

FRONT WASHER MOTOR CHECK

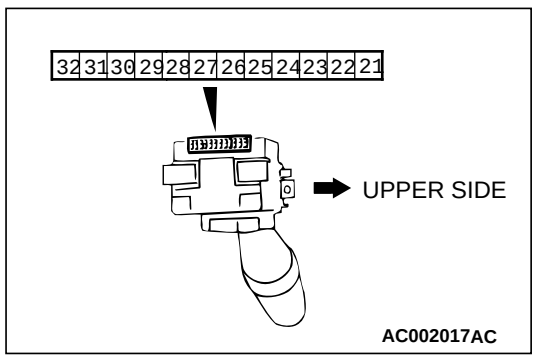
M1511012700063



1. With the washer motor installed to the washer tank, fill the washer tank with water.
2. Check that water is sprayed out strongly when battery voltage is applied to terminal (1) and terminal (2) is grounded.

WINDSHIELD WIPER AND WINDSHIELD WASHER SWITCH CHECK

M1511017600038



1. Windshield wiper and washer switch

SWITCH POSITION	TESTER CONNECTION	SPECIFIED CONDITION
OFF	–	No continuity
Windshield mist wiper switch	23 – 32	Continuity
Windshield intermittent wiper switch	23 – 31	Continuity

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SWITCH POSITION	TESTER CONNECTION	SPECIFIED CONDITION
Windshield low-speed wiper switch	23 – 30	Continuity
Windshield high-speed wiper switch	21 – 23	Continuity
Windshield washer switch	22 – 23	Continuity

2. Windshield intermittent wiper interval adjusting knob
Measure the resistance value at terminal numbers 27 and 28. The resistance value should rise smoothly from approximately 0 Ω ("FAST" position) to approximately 1 kΩ ("SLOW" position).

REAR WIPER AND WASHER

GENERAL DESCRIPTION

M1511000100138

OPERATION

Rear Wiper Operation

- If the rear wiper and washer switch is turned to the "INT" position with the ignition switch at "ACC" or "ON" position, the ETACS-ECU causes the rear wiper to operate continuously two times, then intermittently at eight-second intervals.
- If the selector lever is moved to the "R" position when the rear wiper and washer switch is turned the "INT" position and the ignition switch at "ACC" or "ON" position, park/neutral position switch "R" turns ON. One second later, the ETACS-ECU causes the rear wiper to operate two times continuously to ensure good rearward visibility. The ETACS-ECU then causes the rear wiper to again operate intermittently at eight-second intervals.

Rear Washer Operation

- If the rear wiper and washer switch is turned the "WASHER" position with the ignition switch at "ACC" or "ON" position, the rear washer ON signal is sent to the ETACS-ECU, causing the rear wiper signal to turn on after 0.9 seconds. After the rear washer switch signal turns off, the rear wiper signal turns off in three seconds.
- If the rear wiper and washer switch is turned to the "WASHER" position while the rear wiper is at intermittent mode, the rear washer works for that period when the washer switch remains on. Then the rear wipers return to the intermittent mode.

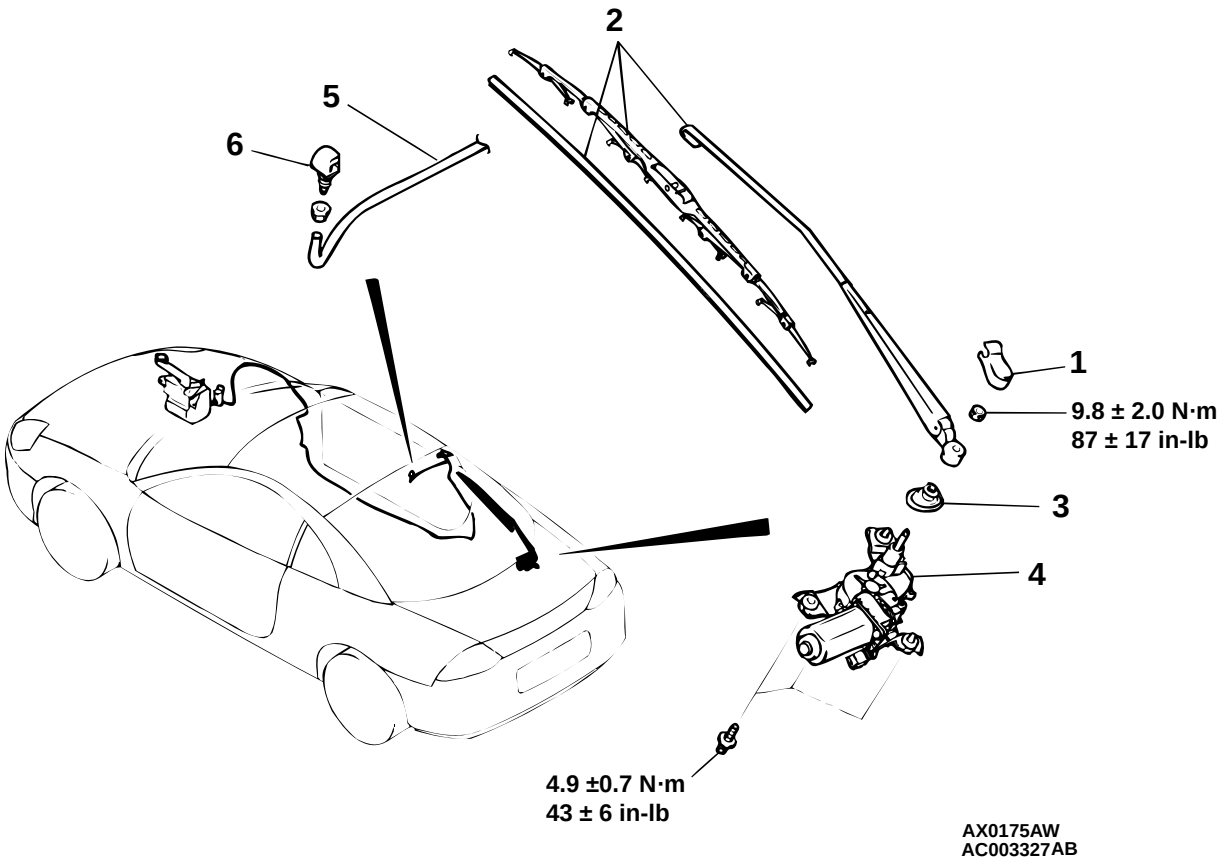
REAR WIPER AND WASHER DIAGNOSIS

M1511000700118

The rear wiper and washer are controlled by ETACS-ECU. For troubleshooting, refer to GROUP 54B, SWS Diagnosis.

REMOVAL AND INSTALLATION

M1511008800045



- WASHER TANK ASSEMBLY AND REAR WASHER MOTOR (REFER TO GROUP 51,WINDSHIELD WIPER AND WASHER P.51-15.)

REAR WIPER MOTOR ASSEMBLY REMOVAL STEPS

1. COVER
>>A<< 2. REAR WIPER ARM AND BLADE ASSEMBLY
- LIFTGATE LOWER TRIM (REFER TO GROUP 42, LIFTGATE TRIM P.42-91.)

>>B<< 3. GROMMET
4. REAR WIPER MOTOR ASSEMBLY

REAR WASHER HOSE REMOVAL STEPS

- QUARTER TRIM, LOWER <RH> (REFER TO GROUP 52A, TRIMS P.52A-10.)

5. REAR WASHER HOSE
>>A<< 6. WASHER NOZZLE

NOTE: For removal and installation of the wiper and washer switch, refer to GROUP 54A, Column switch P.54A-86.

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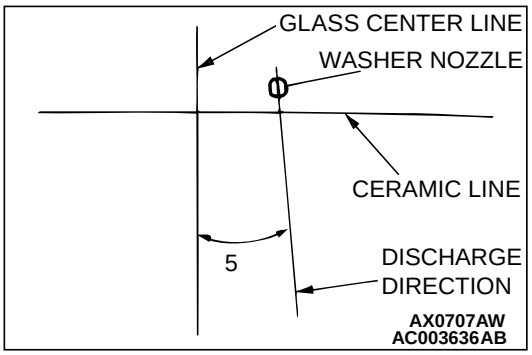
INSTALLATION SERVICE POINTS

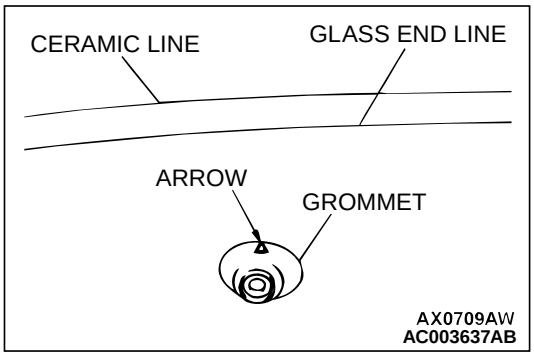
>>A<< WASHER NOZZLE INSTALLATION

Install the washer nozzle in the specified direction.



>>B<< GROMMET INSTALLATION

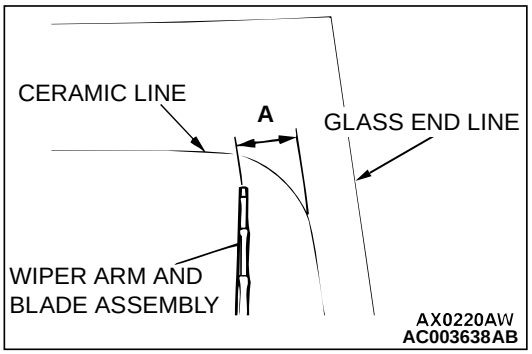
Install the grommet so that the arrow points upwards.



>>C<< REAR WIPER ARM AND BLADE ASSEMBLY INSTALLATION

Install the wiper blade so that the tip stops at the standard position (standard value), and also so that the lower section of the wiper blade enters the middle of the defogger pattern.

Standard value (A): 89 – 99 mm (3.5 ± 3.9 inches)



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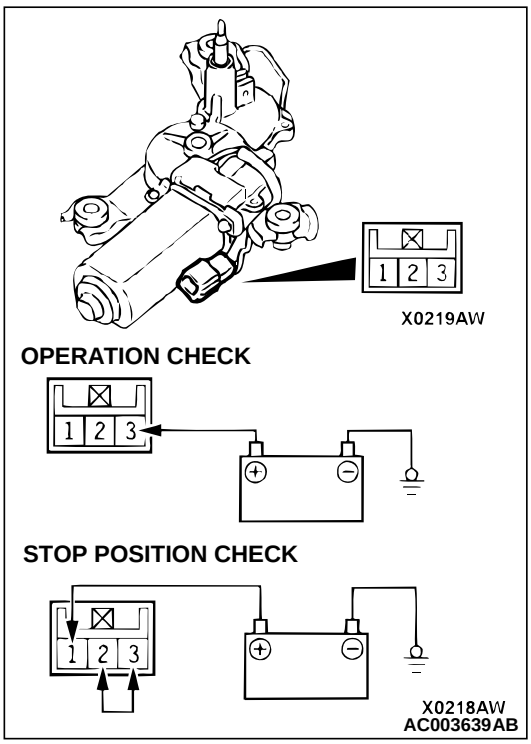
INSPECTION

REAR WIPER MOTOR CHECK

M1511012900067



Check the wiper motor after first disconnecting the wiring harness connector, and with the wiper motor remaining installed to the body.

Wiper Motor Operation

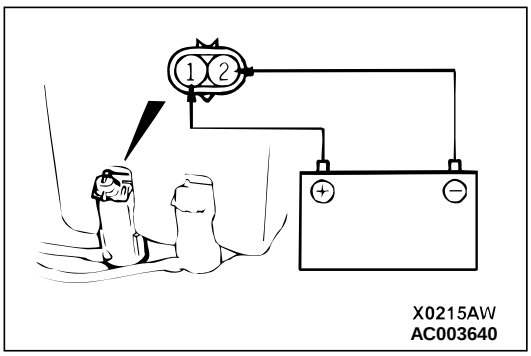
Connect a battery to the wiper motor as shown in the illustration and inspect the motor operation.

Wiper Motor at Stop Position Operation

1. Run the wiper motor, disconnect the battery, and stop the motor.
2. Reconnect the battery as shown in the illustration, and confirm that after the motor starts turning it stops at the automatic stop position.

REAR WASHER MOTOR CHECK

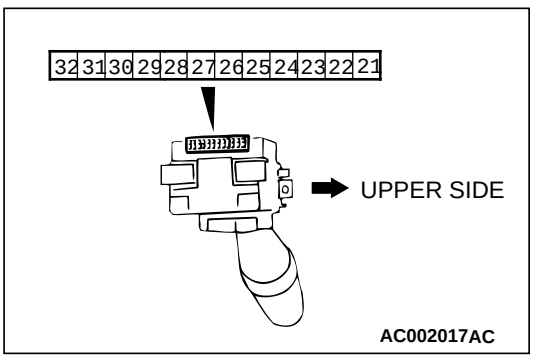
M1511013100064



1. With the washer motor installed to the washer tank, fill the washer tank with water.
2. When the battery is connected as shown in the figure, check that the washer squirts out strongly.

REAR WIPER AND WASHER SWITCH INSPECTION

M1511009500058



SWITCH POSITION	TERMINAL CONNECTION	SPECIFIED CONDITION
OFF	-	No continuity
Rear wiper switch ON	25 - 26	Continuity
Rear washer switch ON	25 - 29	Continuity

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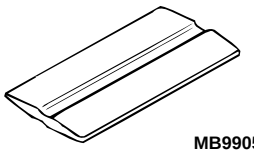
MARK

SPECIAL TOOL

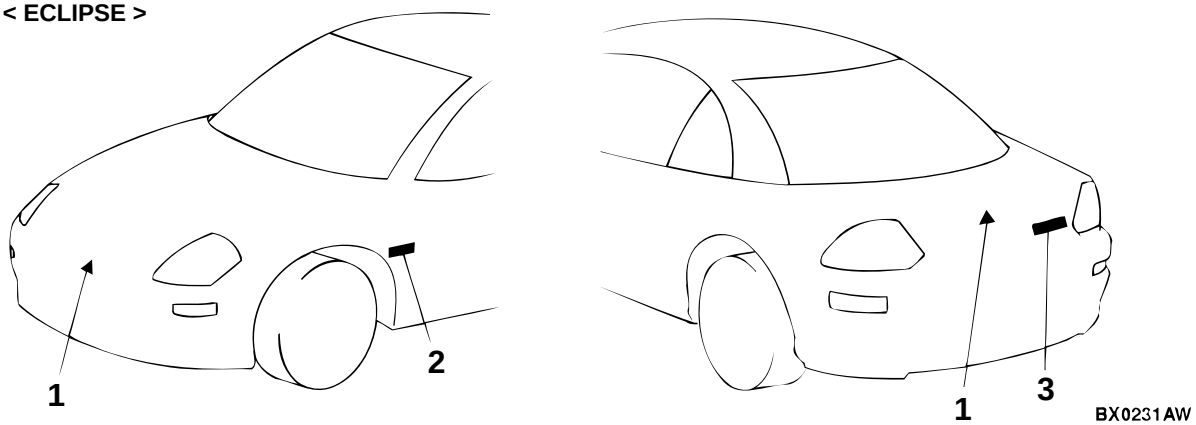
M1511000600315

TOOL	TOOL NUMBER AND NAME	REPLACED BY MILLER TOOL NUMBER	APPLICATION
 MB990528	MB990528 Stripe tape spatula		Bonding of the mark

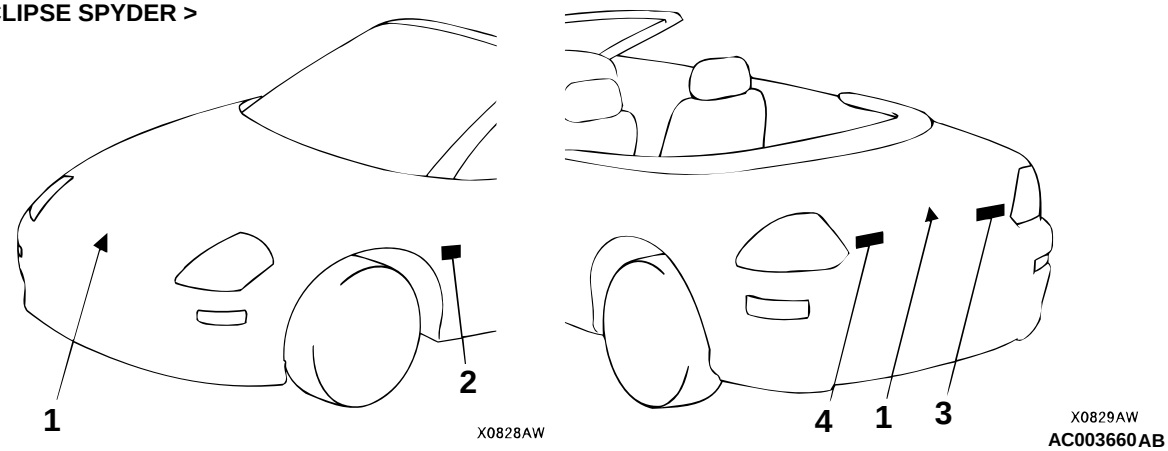
REMOVAL AND INSTALLATION

M1511011800067

< ECLIPSE >



< ECLIPSE SPYDER >



1. TOP MARK
>>A<< 2. ENGINE SPECIFICATION MARK
>>A<< 3. GRADE MARK (GT, RS, GS)
>>A<< 4. SPYDER MARK

Required Special Tool:

- MB990528: Stripe Tape Spatula

INSTALLATION SERVICE POINT

>>A<< MARK INSTALLATION

1. APPLICATION LOCATION
   The distance A (from the mark right end to the notch) should be identical to the distance A' (from the front door opening line to the mark right end).

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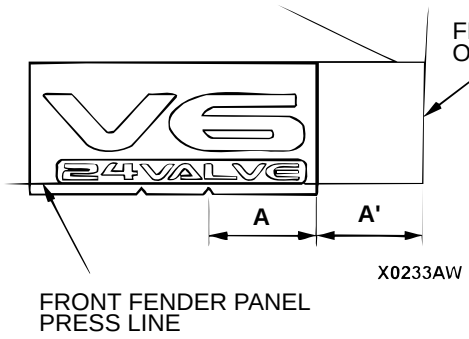
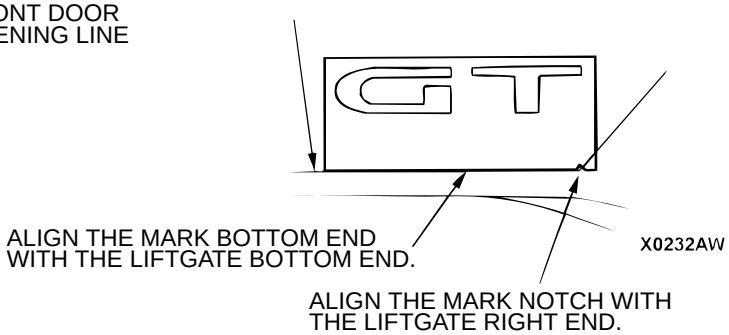
ENGINE SPECIFICATION MARK
LH SIDE

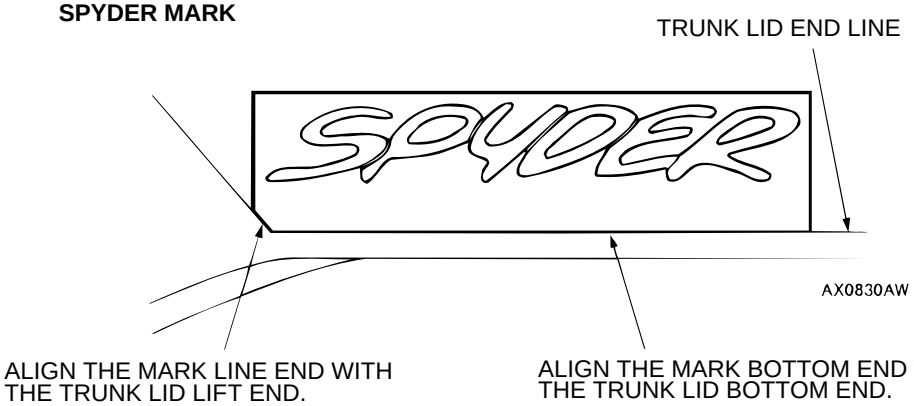


GRADE MARK
GT (also applicable for GS)



NOTE
RH side is symmetrical on LH side.

SPYDER MARK



AC003661AB

⚠ CAUTION

- **Work in a dust-free workplace with temperature of 20 - 38°C (60 - 100°F).**
- **If workplace temperature is under 20°C (60°F), warm tape and vehicle body (adhesion area) to 20 - 38°C (60 - 100°F).**

2. Install the tape by the following procedure.
   (1) Use 3M™ AAD Part number 8906 or equivalent to wipe off oil from stripe tape adhesion area.
   (2) Remove protective paper from back of stripe tape and adhere entirely to indicated area.

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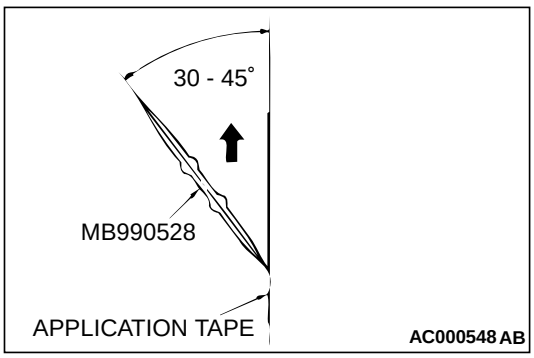
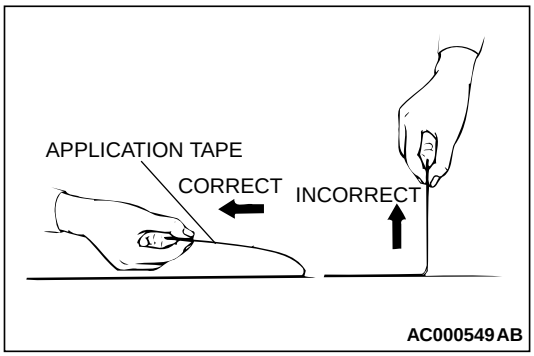
⚠ CAUTION

- **Pressing the mark horizontally may lead to a slack, clinching or improper position.**
- **If the mark is pressed improperly, the mark may be easily peeled off.**

(3) Make sure that air bubbles are not trapped in the application surface. When applying the mark, use special tool MB990528 to press the mark from its center to top and bottom gradually.



(4) Peel off an application tape (top protection paper) horizontally and carefully from one end. If an air bubble is left in the mark, open a hole by using a needle, and then use special tool MB990528 to expel the air bubble.



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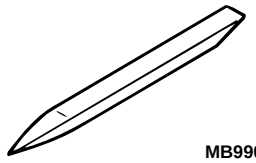
DOOR MIRROR

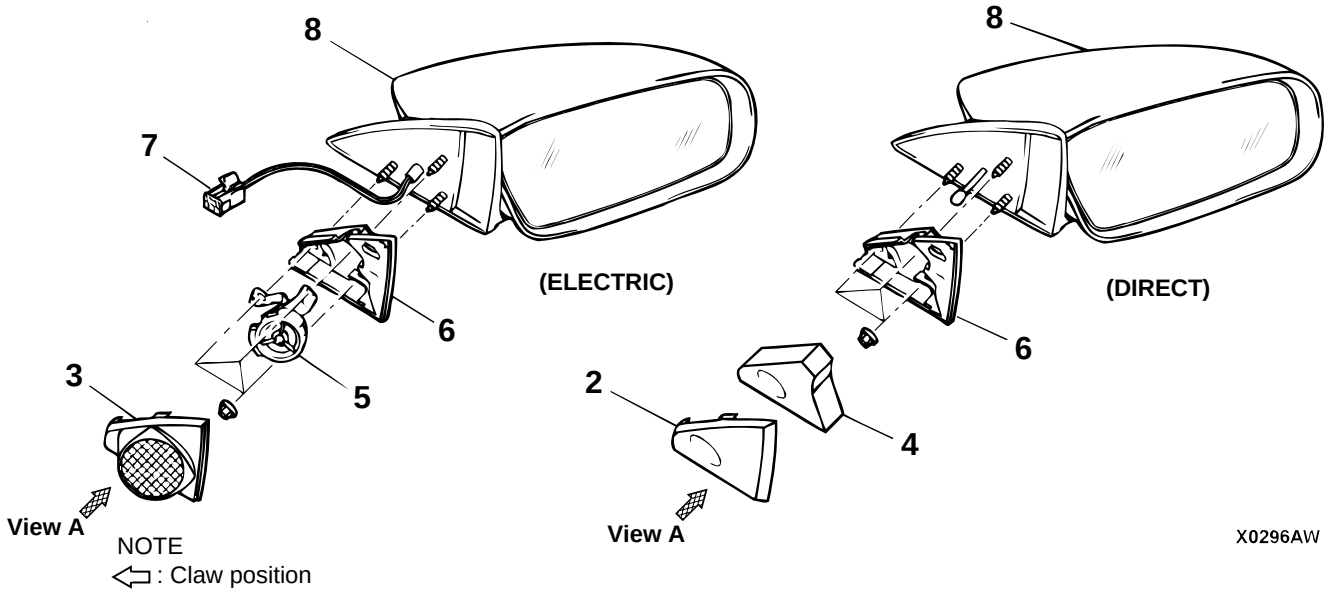
SPECIAL TOOL

M1511000600326

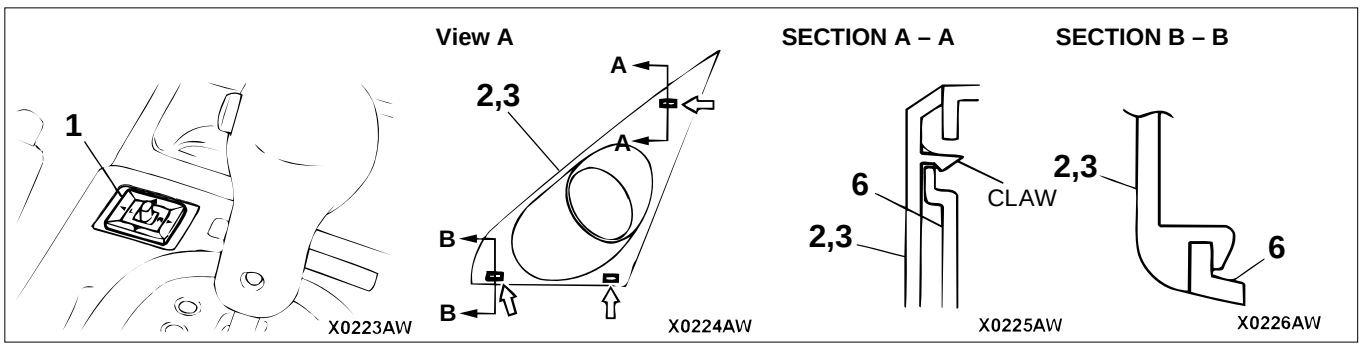
TOOL	TOOL NUMBER AND NAME	REPLACED BY MILLER TOOL NUMBER	APPLICATION
 MB990784	MB990784 Ornament remover	General service tool	Removal of remote controlled mirror switch

REMOVAL AND INSTALLATION

M1511006400063



NOTE
⇦ : Claw position



AC003328 AB

1. REMOTE CONTROLLED MIRROR SWITCH

DOOR MIRROR REMOVAL STEPS

- DOOR TRIM (REFER TO GROUP42 P.42-71.)

2. DELTA COVER, INNER
3. TWEETER COVER

DOOR MIRROR REMOVAL STEPS

4. PAD
5. TWEETER
6. DELTA COVER BASE
7. HARNESS CONNECTOR <VEHICLES WITH REMOTE CONTROLLED MIRROR>
8. DOOR MIRROR ASSEMBLY

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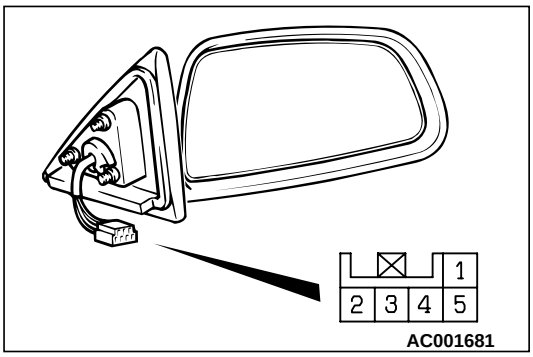
DOOR MIRROR INSPECTION

ELECTRIC REMOTE CONTROL MIRROR OPERATION CHECK

M1511016800028

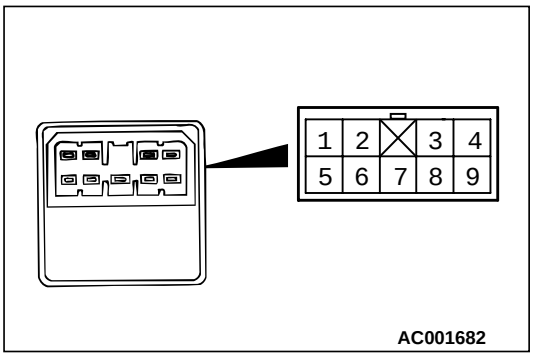
Check that the mirror moves as described in the table when each terminal is connected to the battery.



DIRECTION OPERATION	TESTER CONNECTION	SPECIFIED CONDITION
Up	1-Battery(+), 3-Battery(-)	Continuity
Down	1-Battery(-), 3-Battery(+)	Continuity
Right	3-Battery(-), 2-Battery(+)	Continuity
Left	3-Battery(+), 2-Battery(-)	Continuity

DOOR MIRROR CONTROL SWITCH CONTINUITY CHECK

M1511013500062



SWITCH POSITION		TESTER CONNECTION	SPECIFIED CONDITION
Left side	Up	4 - 8, 6 - 7	Continuity
	Down	4 - 7, 6 - 8	Continuity
	Right	3 - 6, 4 - 7	Continuity
	Left	3 - 4, 6 - 7	Continuity
Right side	Up	2 - 4, 6 - 7	Continuity
	Down	2 - 6, 4 - 7	Continuity
	Right	4 - 7, 6 - 9	Continuity
	Left	4 - 9, 6 - 7	Continuity

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

M1511015300086

ITEMS		SPECIFICATIONS
Front bumper	Front turn signal light screw	0.69 ± 0.09 N·m (5.2 ± 0.8 in-lb)
	Front fog light assembly screw	4.9 ± 0.7 N·m (43 ± 6 in-lb)
	Front fog light bracket bolt	4.9 ± 0.7 N·m (43 ± 6 in-lb)
	License plate garish screw	0.9 ± 0.1 N·m (8 ± 1 in-lb)
Windshield wiper and washer	Wiper arm and blade assembly nut	13 ± 3 N·m (113 ± 26 in-lb)
	Wiper motor and wiper link assembly bolt	5.0 ± 0.7 N·m (44 ± 6 in-lb)
	Washer tank motor assembly bolt	12 ± 1 N·m (100 ± 13 in-lb)

SERVICE SPECIFICATIONS

M1511000300079

ITEMS		STANDARD VALUE
Windshield wiper blade position installation mm (in)	Driver's side	33 - 43 (1.3 - 1.7)
	Passenger's side	38 - 48 (1.5 - 1.9)
Rear wiper blade position installation mm (in)		89 - 99 (3.5 - 3.9)

ADHESIVE

M1511000500084

ITEM	SPECIFICATIONS
Rear pillar garnish	Adhesive tape: Double-sided tape [3 mm (0.1 in) width and 5 mm (0.2 in) thick]

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