

GROUP 51

EXTERIOR

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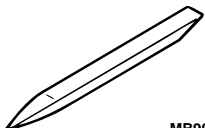
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FRONT BUMPER ASSEMBLY

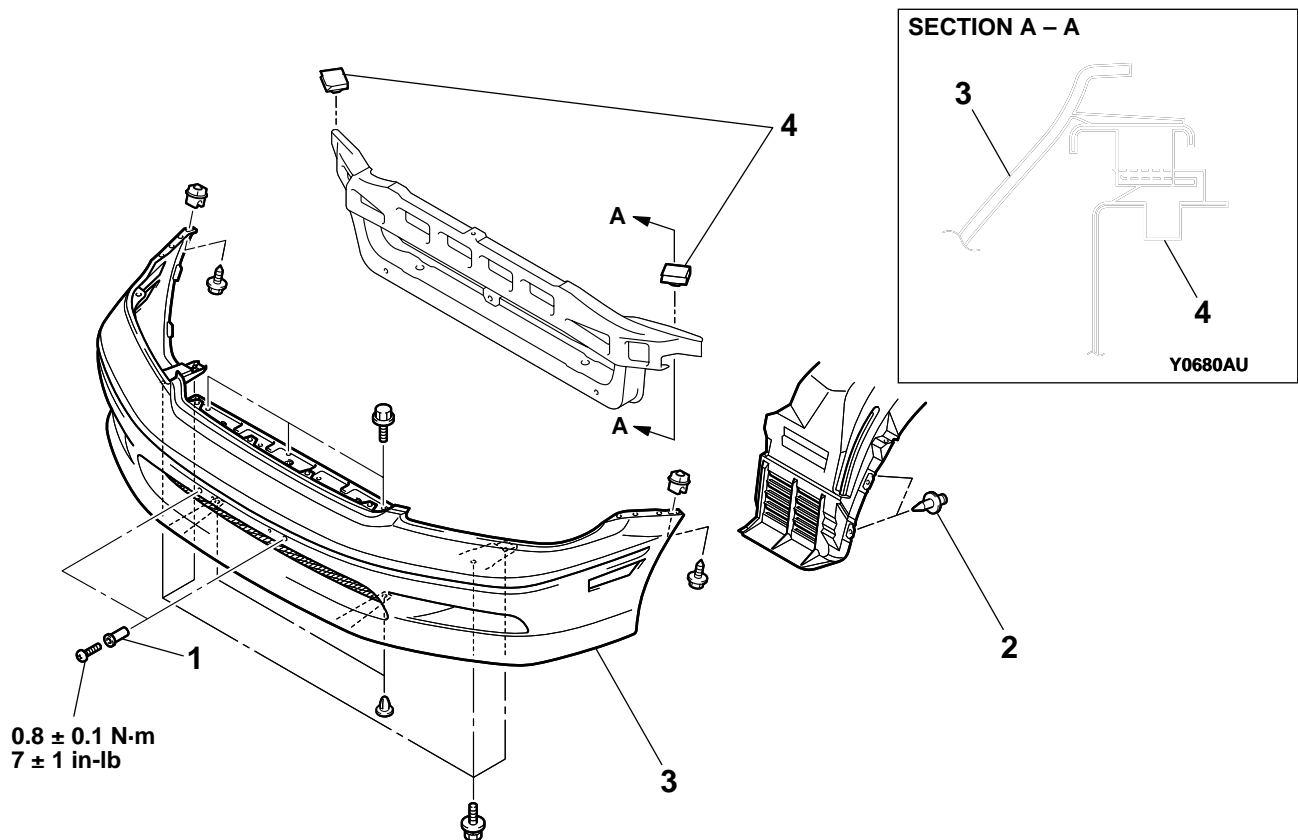
SPECIAL TOOL

M1511000600412

TOOL	TOOL NUMBER AND NAME	SUPERSESSION	APPLICATION
 MB990784	MB990784 Ornament remover	General service tool	Removal of front bumper center reinforcement

FRONT BUMPER ASSEMBLY REMOVAL AND INSTALLATION

M1511001400240



AC202292AB

REMOVAL STEPS

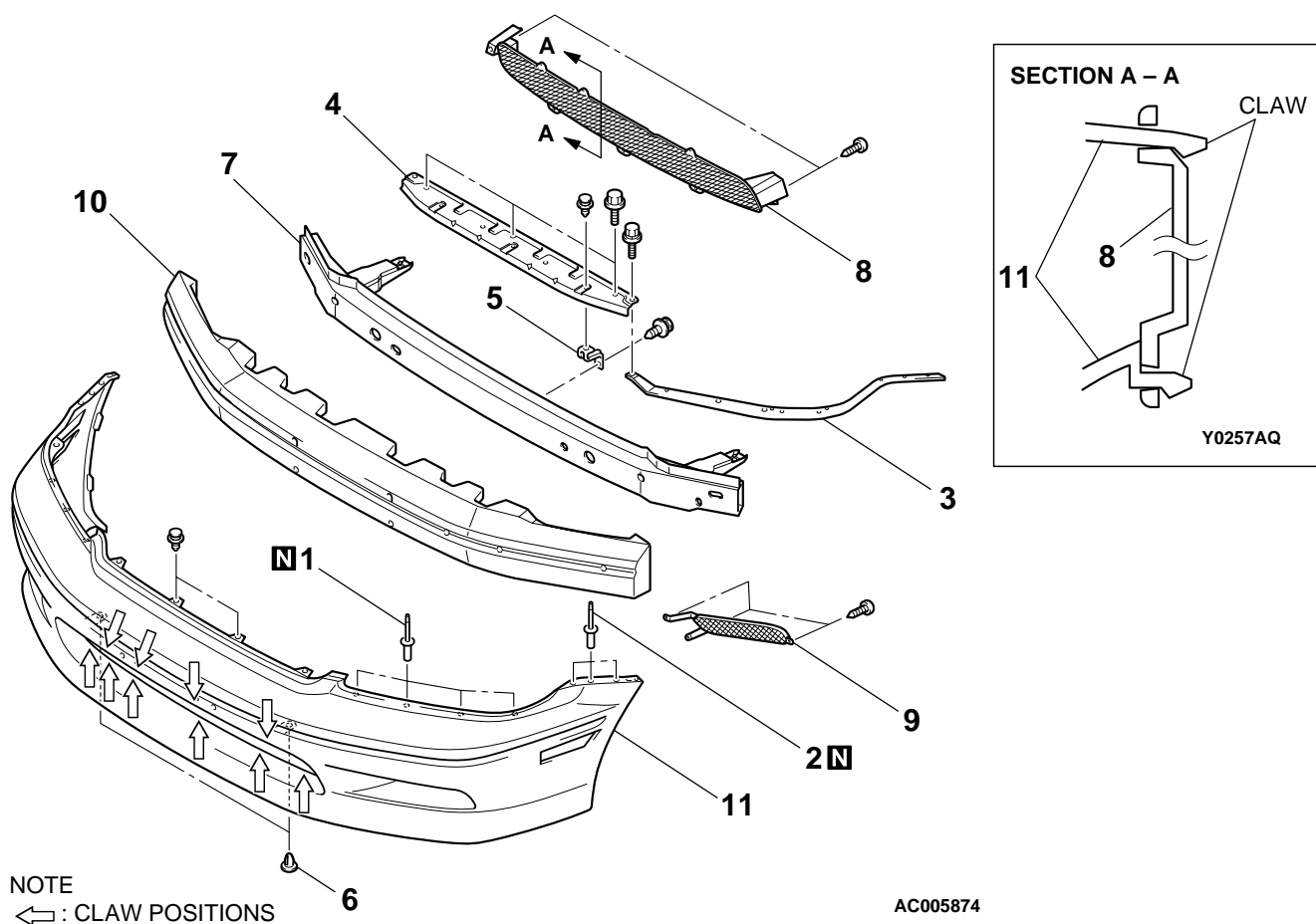
1. RUBBER NUT
2. SPLASH SHIELD MOUNTING CLIP
3. FRONT BUMPER ASSEMBLY
4. FRONT BUMPER FIXING CLIP

Required Special Tool:

- MB990784: Ornament Remover

DISASSEMBLY AND ASSEMBLY

M1511001600136



AC005874

AC005875AB

DISASSEMBLY STEPS

- FRONT AIR DAM (REFER TO P.51-13.)
- REFLEX REFLECTOR AND BRACKET (REFER TO GROUP54A, TURN-SIGNAL LIGHT P.54A-49.)

- <<A>> >>A<< 1. RIVETS A
<<A>> >>A<< 2. RIVETS B
3. FRONT BUMPER SIDE PLATE ASSEMBLY
<> 4. FRONT BUMPER CENTER REINFORCEMENT

<>

DISASSEMBLY STEPS (Continued)

5. FRONT BUMPER REINFORCEMENT BRACKET
6. CLIPS
7. FRONT BUMPER REINFORCEMENT
8. FRONT BUMPER GRILLE
9. AIR INTAKE BEZEL
10. FRONT BUMPER CORE
11. FRONT BUMPER FACE

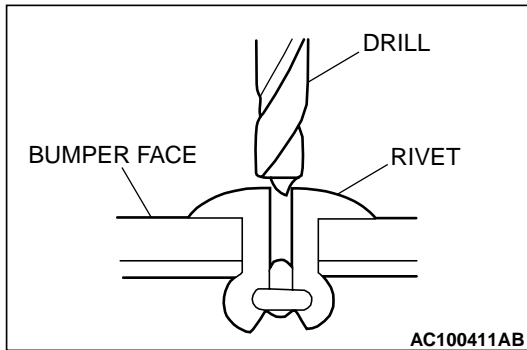
Required Special Tool:

- MB990784: Ornament Remover

DISASSEMBLY SERVICE POINTS

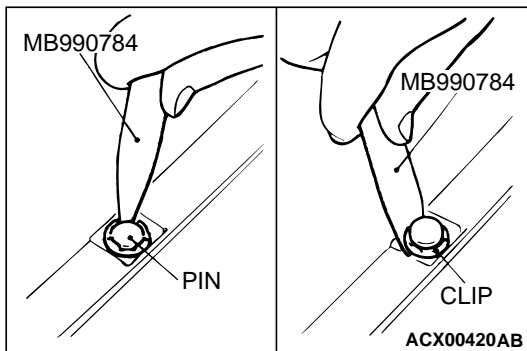
<<A>> RIVETS A/RIVETS B REMOVAL

Use a drill [4.0 mm (0.16 inch)] to make a hole in the rivet to break it, and then remove the rivet.



<> FRONT BUMPER CENTER REINFORCEMENT/ FRONT BUMPER REINFORCEMENT BRACKET REMOVAL

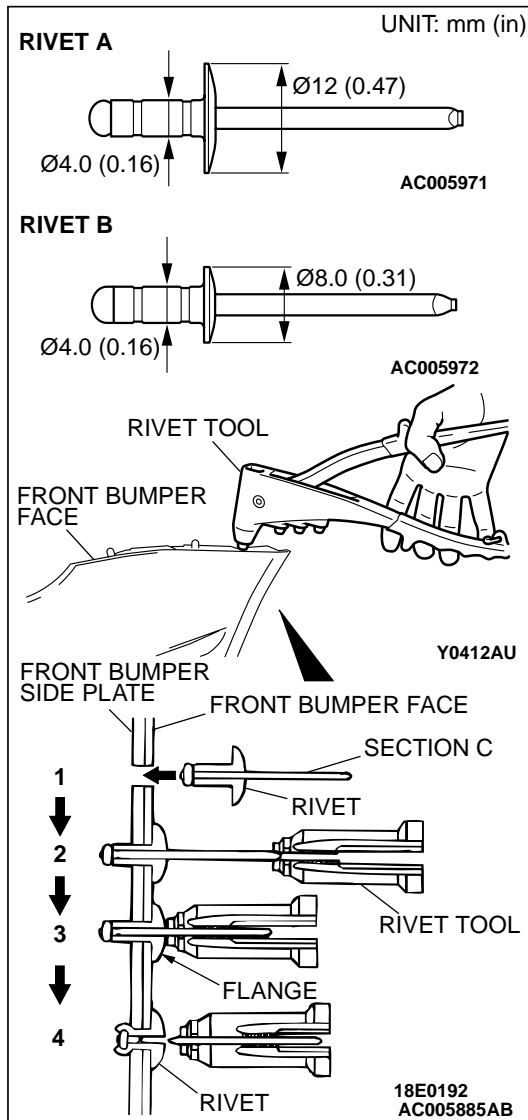
1. Use special tool MB990784 to pull up the center pin in the clip.
2. Remove the clip.



ASSEMBLY SERVICE POINT

>>A<< RIVETS B/RIVETS A INSTALLATION

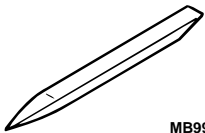
1. Insert rivets A and rivets B into the front bumper face and front bumper side plate.
2. Insert "C" of the rivet into the rivet tool.
3. Pressing the flange surface of the rivet, move the handle of the rivet tool.
4. The thinnest point of "C" is cut and the rivet is held in position.



REAR BUMPER ASSEMBLY

SPECIAL TOOL

M1511000600423

TOOL	TOOL NUMBER AND NAME	SUPERSESSON	APPLICATION
 MB990784	MB990784 Ornament remover	General service tool	Removal of rear bumper

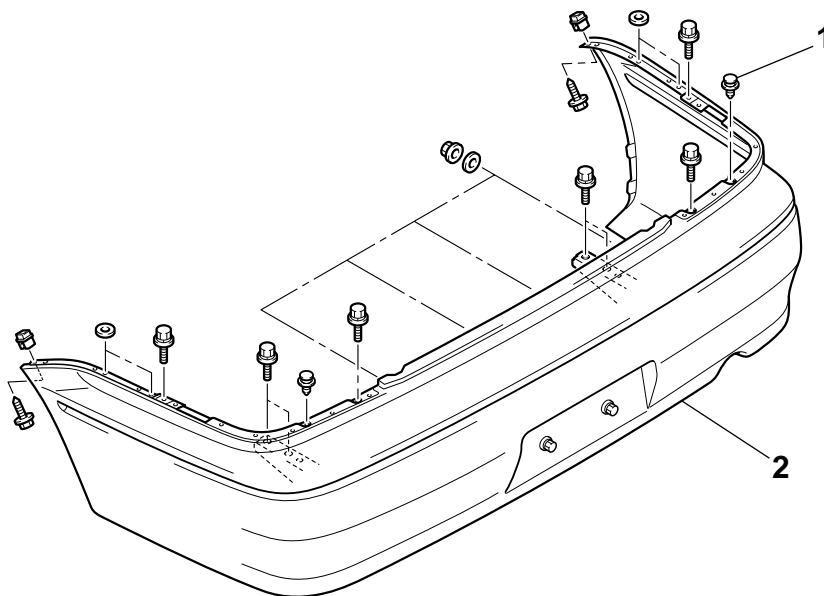
REAR BUMPER ASSEMBLY

REMOVAL AND INSTALLATION

M1511001900126

Pre-removal and Post-installation Operation

- Rear Combination Light Removal and Installation. (Refer to GROUP 54A, Rear Combination Light [P.54A-51.](#))
- Rear End Trim Removal and Installation. (Refer to GROUP 52A, Trim [P.52A-11.](#))
- Cargo Floor Board Removal and Installation.
- Rear Splash Shield Removal and Installation.



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<<A>>

REMOVAL STEPS

1. CLIPS
2. REAR BUMPER ASSEMBLY

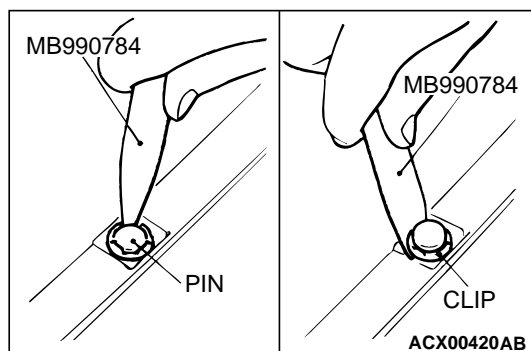
Required Special Tool:

- MB990784: Ornament Remover

REMOVAL SERVICE POINT

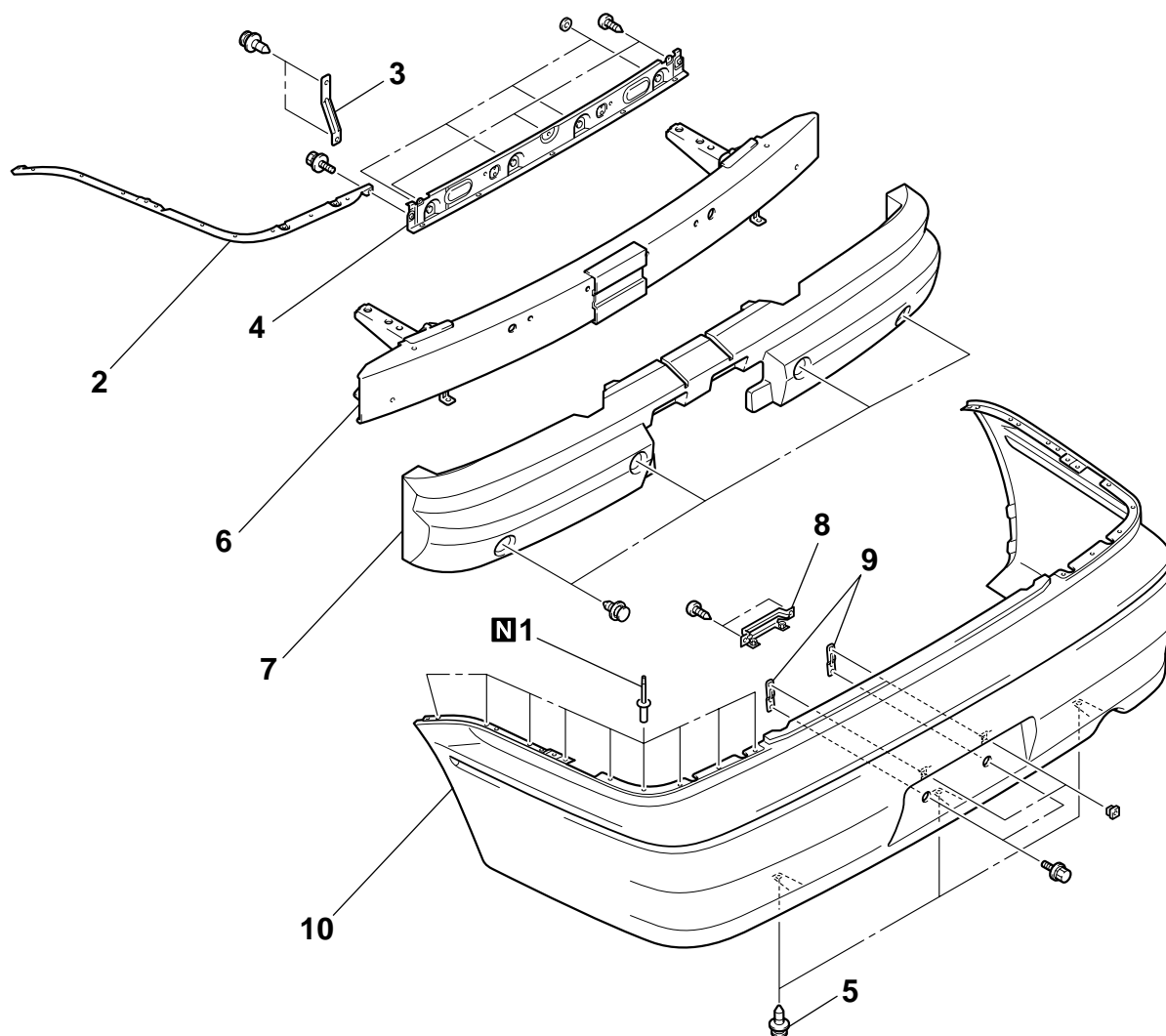
<<A>> CLIP REMOVAL

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



DISASSEMBLY AND ASSEMBLY

M1511002100123



AC005879AB

DISASSEMBLY STEPS

- REAR AIR DAM (REFER TO P.51-13.)
1. RIVETS
 2. REAR BUMPER SIDE PLATE ASSEMBLY

<<A>> >>A<<

<>

DISASSEMBLY STEPS (Continued)

3. REAR BUMPER REINFORCEMENT BRACKET
4. REAR BUMPER CENTER REINFORCEMENT ASSEMBLY
5. CLIPS

<>

DISASSEMBLY STEPS (Continued)

DISASSEMBLY STEPS (Continued)

<>

6. REAR BUMPER REINFORCEMENT ASSEMBLY
7. REAR BUMPER CORE
8. LICENSE PLATE LIGHT BRACKET
 - LICENSE PLATE LIGHT ASSEMBLY (REFER TO GROUP 54A, LICENSE PLATE LIGHT [P.54A-54.](#))

9. LICENSE PLATE BRACKET
10. REAR BUMPER FACE

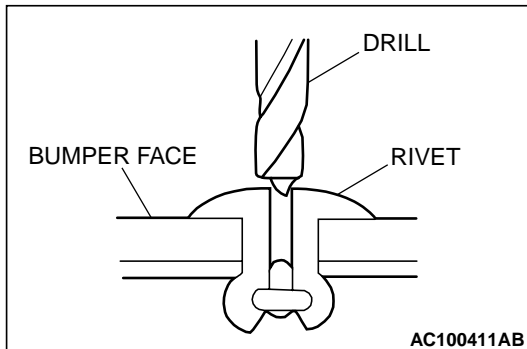
Required Special Tool:

- MB990784: Ornament Remover

DISASSEMBLY SERVICE POINTS

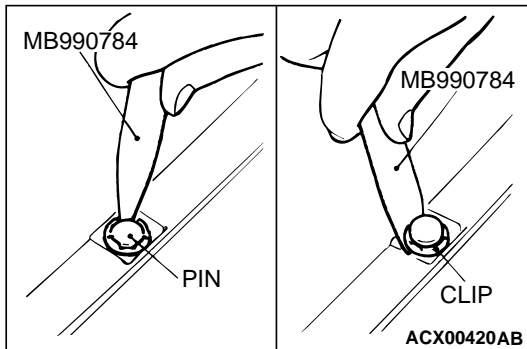
<<A>> RIVET REMOVAL

Use a drill [4.0 mm (0.16 inch)] to make a hole in the rivet to break it, and then remove the rivet.



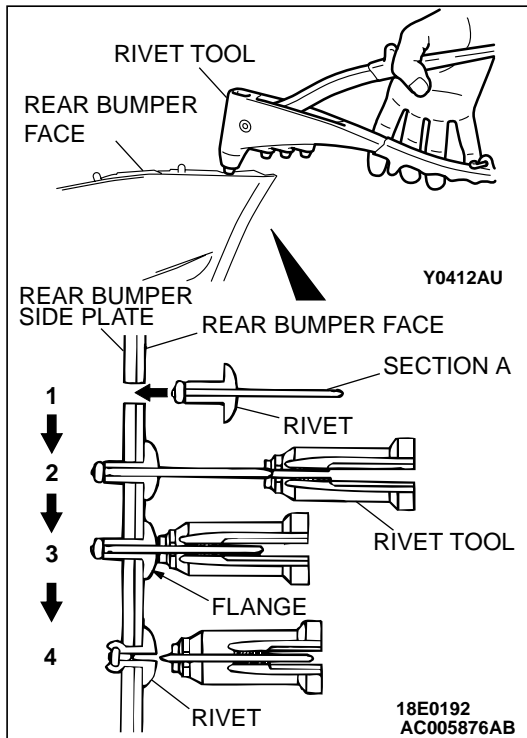
<> REAR BUMPER REINFORCEMENT BRACKET/CLIPS/REAR BUMPER CORE REMOVAL

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



ASSEMBLY SERVICE POINT**>>A<< RIVET INSTALLATION**

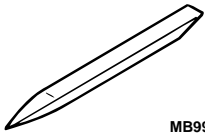
1. Insert the rivet into the rear bumper face and rear bumper side plate.
2. Insert "A" of the rivet into the rivet tool.
3. Pressing the flange surface of the rivet, move the handle of the rivet tool.
4. The thinnest point of "A" is cut and the rivet is held in position.



RADIATOR GRILLE

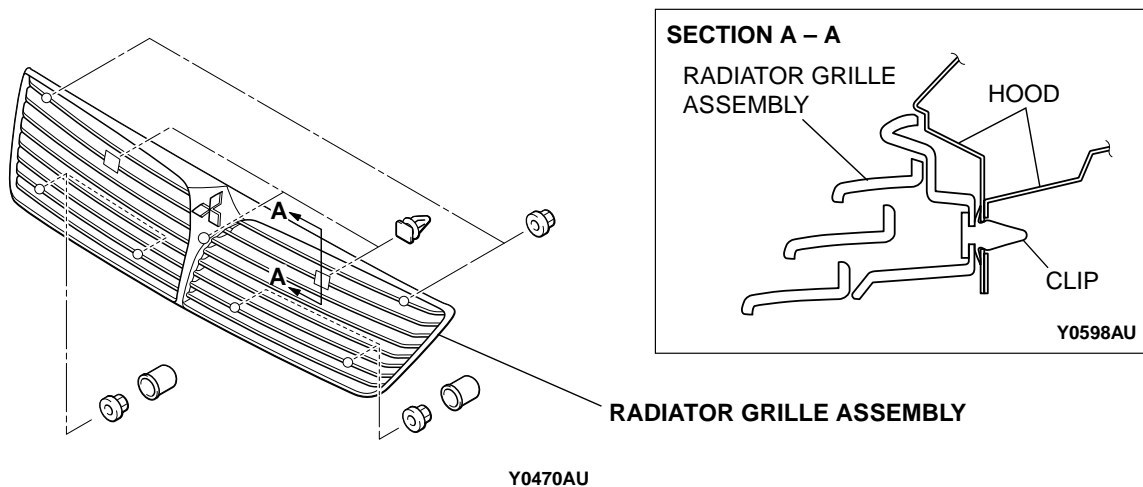
SPECIAL TOOL

M1511000600467

TOOL	TOOL NUMBER AND NAME	SUPERSESSON	APPLICATION
 MB990784	MB990784 Ornament remover	General service tool	Removal of radiator grille

RADIATOR GRILLE REMOVAL AND INSTALLATION

M1511002900022



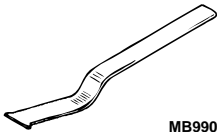
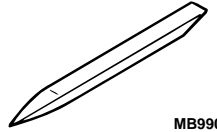
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Required Special Tool:

- MB990784: Ornament Remover

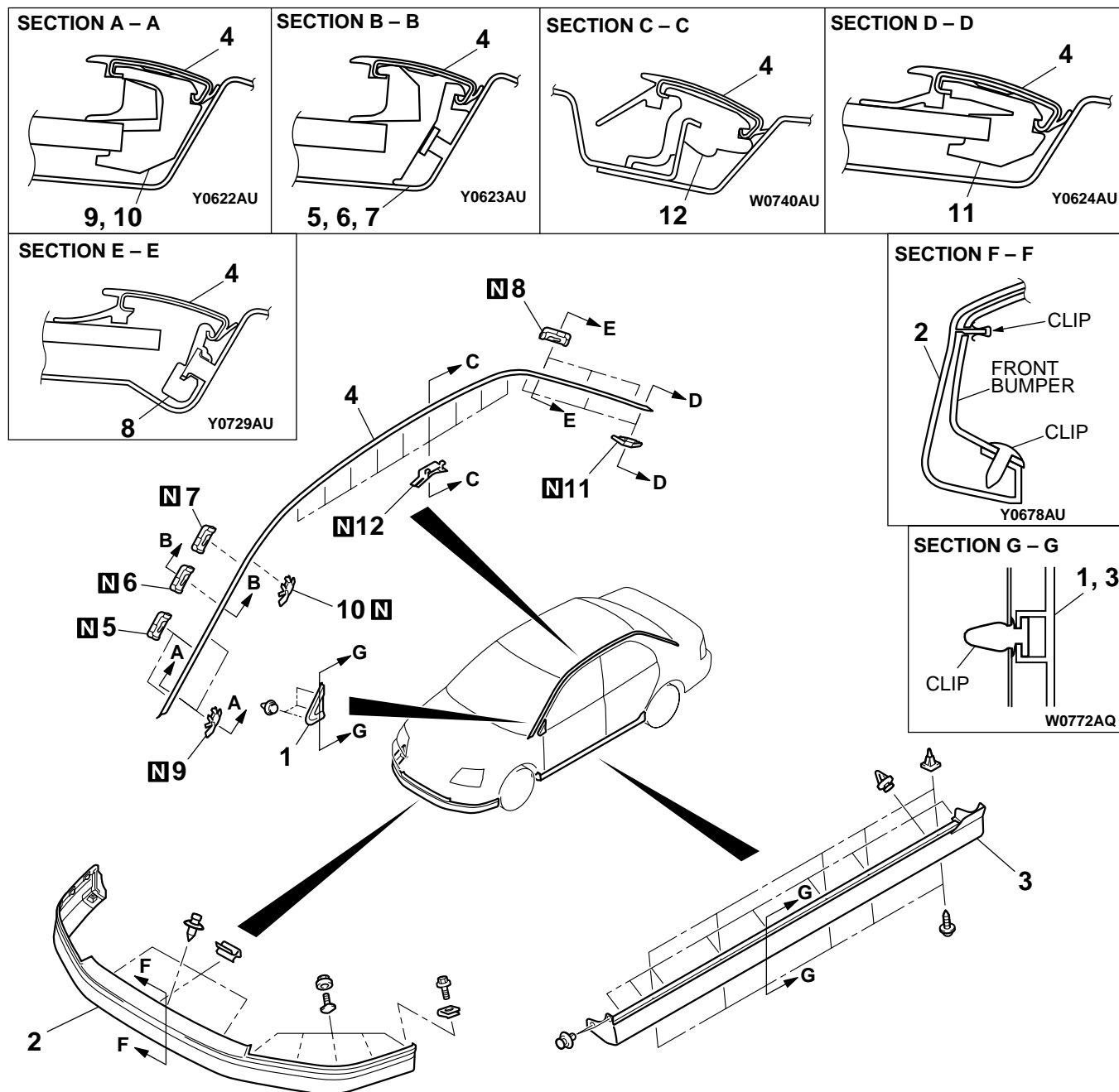
AIR DAM, MOLDING AND GARNISH**SPECIAL TOOLS**

M1511000600456

TOOL	TOOL NUMBER AND NAME	SUPERSESSSION	APPLICATION
 MB990449	MB990449 Window molding remover	General service tool	Removal of drip molding
 MB990784	MB990784 Ornament remover	General service tool	Removal of air dam

AIR DAM, MOLDING AND GARNISH REMOVAL AND INSTALLATION

M1511018800035



REMOVAL

1. DELTA OUTER GARNISH
2. FRONT AIR DAM
3. SIDE AIR DAM
 - FRONT DECK GARNISHES (REFER TO P.51-21.)

ROOF DRIP MOLDING REMOVAL STEPS

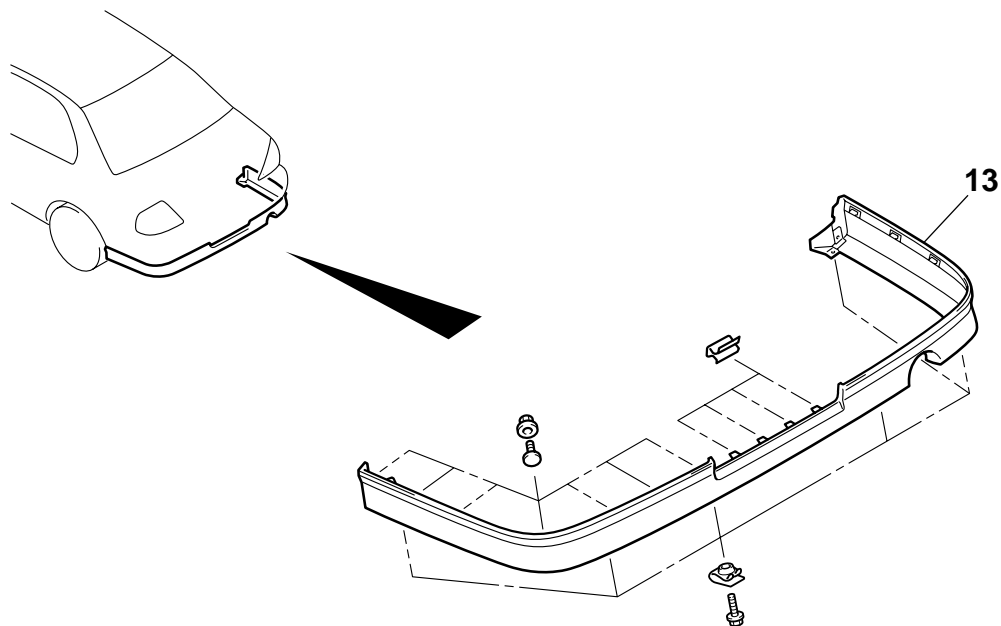
4. ROOF DRIP MOLDING
5. FRONT DRIP MOLDING CLIP A
6. FRONT DRIP MOLDING CLIP B

ROOF DRIP MOLDING REMOVAL STEPS (Continued)

7. FRONT DRIP MOLDING CLIP C
8. REAR DRIP MOLDING CLIP
9. DRIP MOLDING CLIP A
10. DRIP MOLDING CLIP B
11. DRIP MOLDING CLIP C
12. ROOF DRIP MOLDING CLIP

Required Special Tools:

- MB990449: Window Molding Remover
- MB990784: Ornament Remover

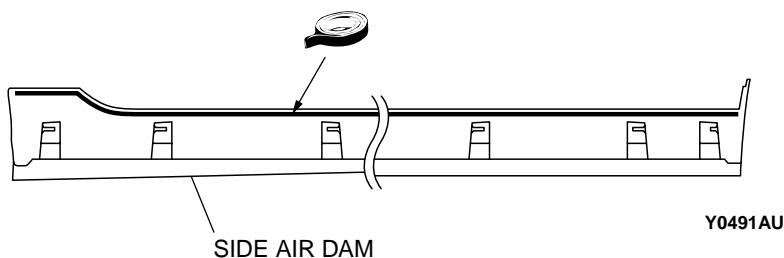


AC005883AC

- REAR WINDOW LOWER MOLDING
(REFER TO GROUP 42, REAR
WINDOW [P.42-20.](#))

REAR AIR DAM REMOVAL STEPS

- REAR BUMPER ASSEMBLY
(REFER TO [P.51-7.](#))
- 13. REAR AIR DAM

ADHESIVE TAPE POSITION

ADHESIVE TAPE:
DOUBLE-SIDED TAPE [5 mm (0.20 in) WIDTH AND 0.8 mm (0.03 in) THICKNESS]

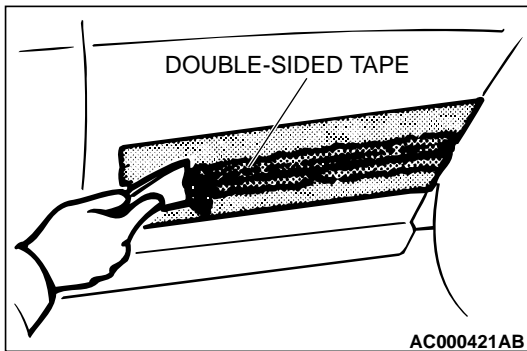
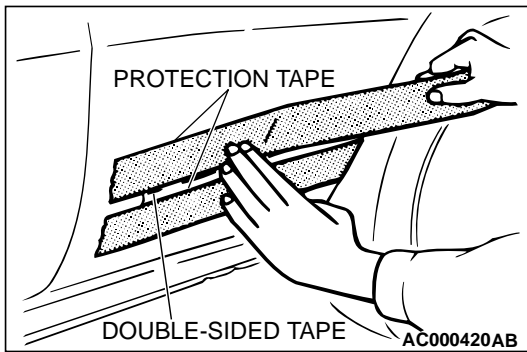
AC005884AB

REMOVAL SERVICE POINTS**<<A>> SIDE AIR DAM REMOVAL**

Gently lift and remove the side air dam. If there is any double-side tape remaining on the side air dam, remove according to the following instructions.

<Remove double-side tape remaining on the body surface>

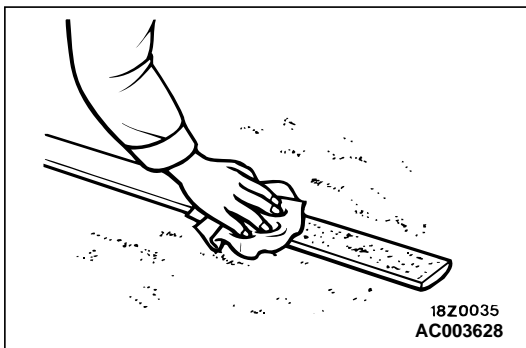
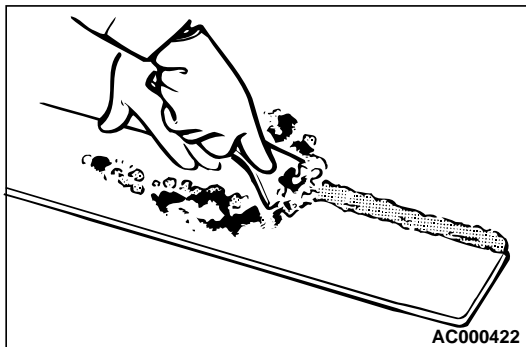
1. Attach protection tape all the way along the edges of the double-sided tape which is still adhering to the body.



2. Scrape off the double-sided tape with a resin spatula as possible.
3. Peel off the protection tape.
4. Use a shop towel moistened with 3M™ AAD Part number 8906 or equivalent to wipe the body.

<Remove double-side tape remaining on side air dam and adhere double-side tape (when re-using side air dam)>

1. Scrape off the double-sided tape on the side air dam with a resin spatula as possible.



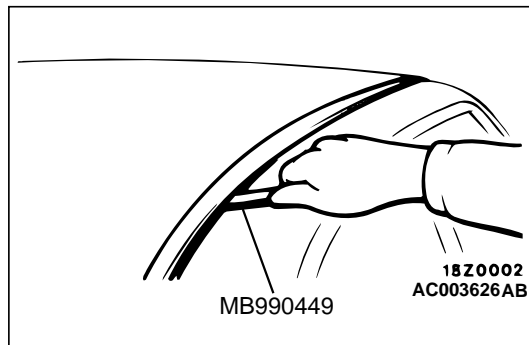
2. Use a shop towel moistened with 3M™ AAD Part number 8906 or equivalent to wipe the side air dam surface.
3. Remove only a small portion of the residual adhesive.
4. Adhere the double-side tape as specified on the side air dam. (Refer to double-side tape adherence location .)

<> ROOF DRIP MOLDING REMOVAL

⚠ CAUTION

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

Use special tool MB990449 to pry out the molding.



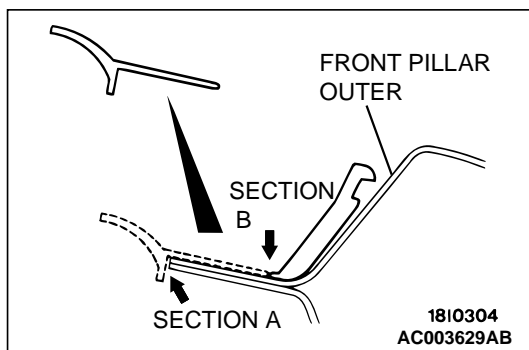
INSTALLATION SERVICE POINTS

>>A<< DRIP MOLDING CLIP C/DRIP MOLDING CLIP B/
DRIP MOLDING CLIP A INSTALLATION

1. The drip molding clips A, B and C differ according to where they are used, so check the identification color before installation.

APPLICABLE LOCATION	IDENTIFICATION COLOR
Drip molding clip A	Yellow
Drip molding clip B	Blue
Drip molding clip C	Milky white

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

>>B<< REAR DRIP MOLDING CLIP/FRONT DRIP MOLDING
CLIP C/FRONT DRIP MOLDING CLIP B/FRONT DRIP
MOLDING CLIP A INSTALLATION

The front drip molding clips A, B, C and rear drip molding clip differ according to where they are used, so check the identification color before installation.

APPLICABLE LOCATION	IDENTIFICATION COLOR
Front drip molding clip A	Orange

APPLICABLE LOCATION	IDENTIFICATION COLOR
Front drip molding clip B	Purple
Front drip molding clip C	Blue
Rear drip molding clip	Gray

>>C<< ROOF DRIP MOLDING INSTALLATION

Install the clips to the roof drip molding before installing the molding to the vehicle body.

>>D<< SIDE AIR DAM INSTALLATION.

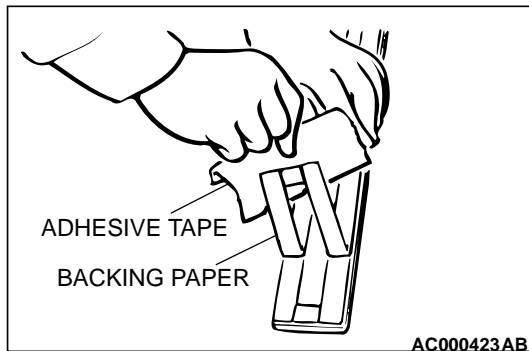
1. Tear off the double-sided tape backing paper.

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

2. Install the side air dam.

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

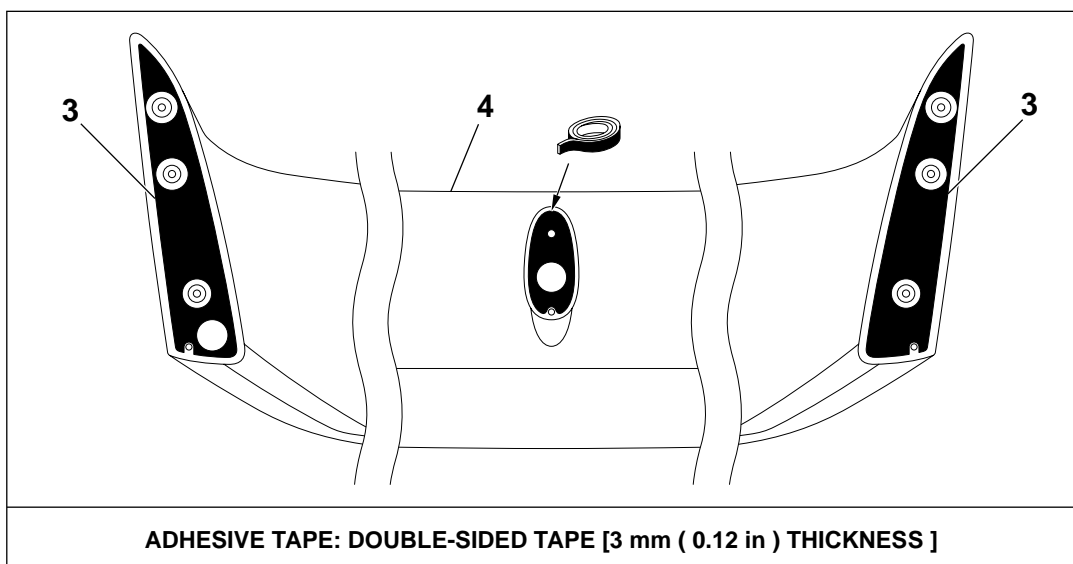
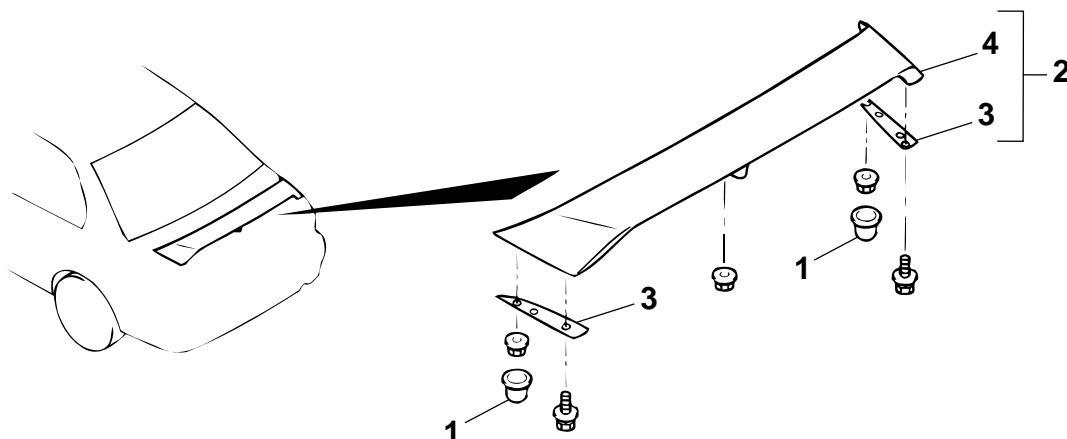
3. Firmly press in the side air dam.



REAR SPOILER

REMOVAL AND INSTALLATION

M1511006100103



AC107175AB

REAR SPOILER REMOVAL STEPS

- TRUNK LID BUMPER (REFER TO GROUP 42, TRUNK LID [P.42-57.](#))

1. CAP
2. REAR SPOILER ASSEMBLY
3. GASKET

REAR SPOILER REMOVAL STEPS

4. REAR SPOILER
- HIGH-MOUNTED STOPLIGHT (REFER TO GROUP 54A, HIGH-MOUNTED STOPLIGHT [P.54A-52.](#))

<<A>> >>A<<

REMOVAL SERVICE POINT

<<A>> REAR SPOILER ASSEMBLY REMOVAL

Remove by the same procedure as described in SIDE AIR DAM REMOVAL (Refer to [P.51-13.](#)).

INSTALLATION SERVICE POINT

>>A<< REAR SPOILER ASSEMBLY INSTALLATION

Install by the same procedure as described in SIDE AIR DAM INSTALLATION (Refer to [P.51-13](#)).

WINDSHIELD WIPER AND WASHER

GENERAL DESCRIPTION

OPERATION

WINDSHIELD WIPER AND WASHER

M1511000100310

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

- If the windshield low-speed wiper switch is turned to the ON 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 control relay off (low-speed), causing the wipers to operate at low-speed.
- If the windshield high-speed wiper switch is turned to the ON 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 control relay on (high-speed), causing the wipers to operate at high-speed.

NOTE: The windshield wiper speed is switchable with the built-in wiper speed control relay. High-speed operations take place when the wiper speed control relay is set to "ON" and low-speed operations take place when the wiper speed control relay is set to "OFF".

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 relay. 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 windshield mist wiper switch is turned to the ON position with the ignition switch at the "ACC" or "ON" position, the mist wiper high-speed operation signal is sent to the front-ECU. This signal turns on the wiper speed control relay, causing the wipers to work at high-speed while the mist switch is on.
- While the windshield 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 switch is changed back to "INT" position.
- To prevent the windshield mist wiper from operating when the windshield wiper switch is turned OFF, the windshield mist wiper does not work for 0.5 second after the windshield intermittent wiper switch, the windshield low-speed wiper switch and the windshield high-speed wiper switch are turned OFF.

Windshield Washer Operation

- If the windshield washer switch is turned to ON position with the ignition switch at "ACC" or "ON" position, the windshield washer ON signal is sent to the front-ECU. After 0.3 second, the windshield wiper signal turns on. After the windshield washer switch signal turns off, the windshield wiper signal turns off in three seconds.
- If the windshield washer switch is turned on while the windshield wiper is at intermittent mode, when the windshield washer switch is turned OFF within 0.2 second, the wiper works only once to perform mist operation by the windshield washer switch. When the ON condition of the windshield washer switch continues more than 0.2 second, the wiper performs the same movement as normal condition from the time when 0.2 second has elapsed and then returns to the intermittent motion.

WINDSHIELD WIPER AND WASHER DIAGNOSIS

M1511000700141

The windshield wiper and washer are controlled by the Simplified Wiring System (SWS). For troubleshooting, refer to GROUP 54B, SWS Diagnosis [P.54Bb-2](#).

NOTE: Even when the ETACS-ECU has failed, the windshield wiper can work at low speed as fail-safe mode. (Normally, the windshield wiper operates when the ignition switch is at the "ACC" position. But, if it enters the fail-safe mode, the wiper can operate only when the ignition switch is at the "ON" position.)

ON-VEHICLE SERVICE

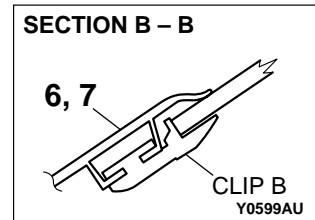
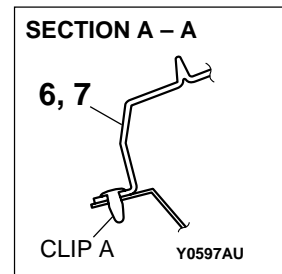
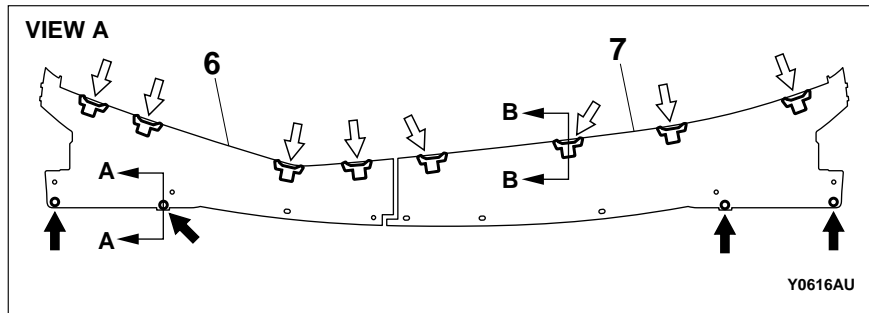
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**WINDSHIELD INTERMITTENT WIPER
INSPECTION**

1. If the windshield intermittent wiper interval adjusting knob is operated, the wiper interval should change.
2. Holding the windshield intermittent wiper interval adjusting knob, input the simulated vehicle speed with scan tool MB991502 and check that the wiper interval changes as the vehicle speed changes.
3. If not, carry out the troubleshooting (Refer to GROUP 54B, Diagnosis [P.54Bb-2](#)).

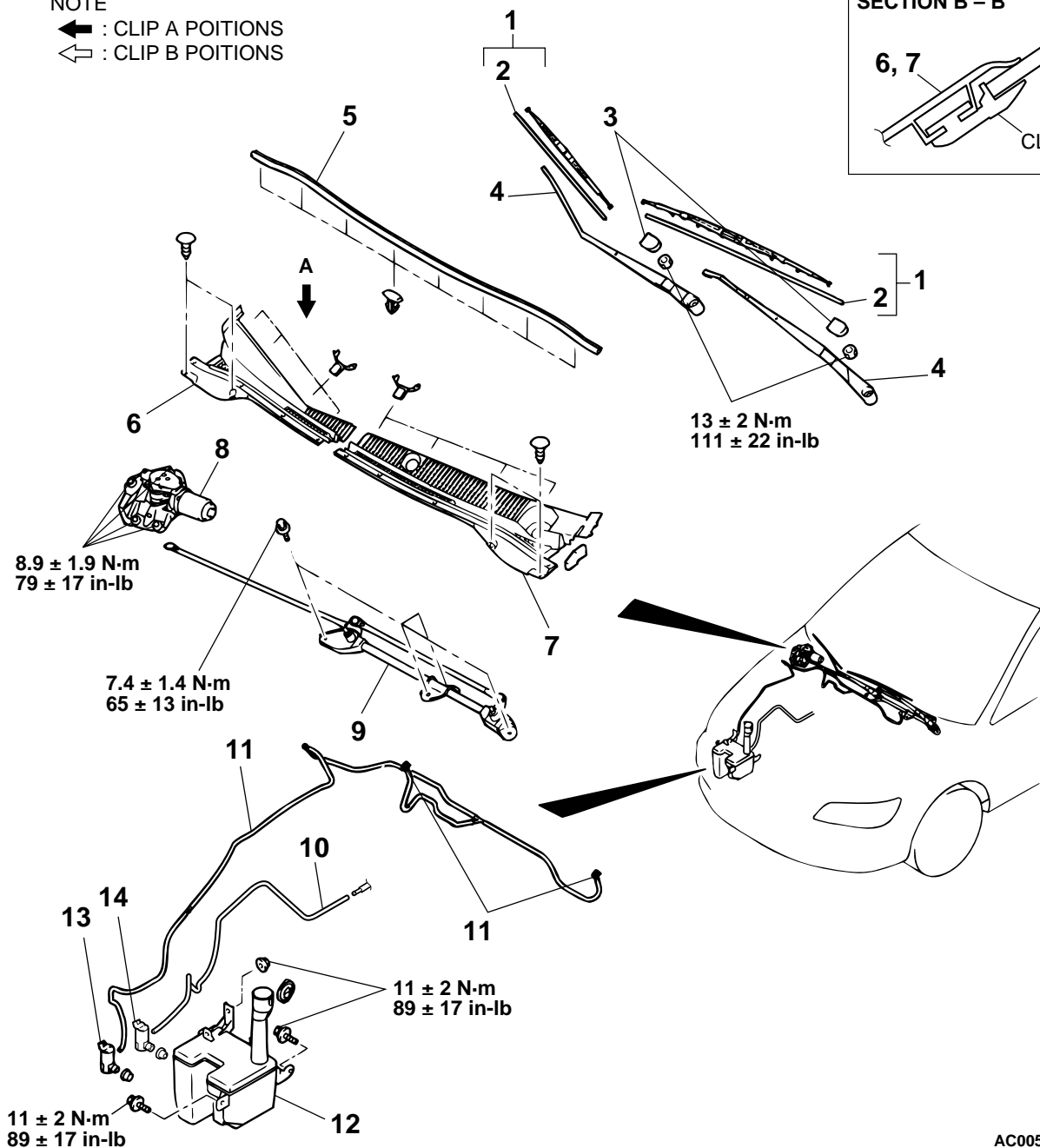
WINDSHIELD WIPER AND WASHER REMOVAL AND INSTALLATION

M1511007600071



NOTE

- ← : CLIP A POITIONS
↙ : CLIP B POITIONS



AC005888AB

WIPER BLADE ASSEMBLY REMOVAL STEPS

>>B<< 1. WIPER BLADE ASSEMBLY

>>A<< 2. WIPER BLADE

WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY REMOVAL STEPS

3. COVER

4. WIPER ARM

5. HOOD WEATHER STRIP

6. FRONT DECK GARNISH (DRIVER'S SIDE)

7. FRONT DECK GARNISH (PASSENGER'S SIDE)

<<A>> 8. WINDSHIELD WIPER MOTOR ASSEMBLY

9. LINK ASSEMBLY

WASHER HOSE REMOVAL STEPS

- FRONT SPLASH SHIELD (REFER TO GROUP 42, SPLASH SHIELD P.42-9)

10. REAR WASHER HOSE

11. FRONT WASHER HOSE

WINDSHIELD WASHER NOZZLE REMOVAL STEPS

- CONNECTION OF FRONT WASHER HOSE

11. WASHER NOZZLE

WASHER TANK AND WASHER MOTOR REMOVAL STEPS

- SIDE UNDERCOVER (RH)

- FRONT SPLASH SHIELD (REFER TO GROUP 42, SPLASH SHIELD P.42-9)

- CONNECTION OF FRONT WASHER HOSE AND REAR WASHER HOSE

12. WASHER TANK ASSEMBLY

13. FRONT WASHER MOTOR

14. REAR WASHER MOTOR

NOTE: For removal and installation of the wiper and washer switch, refer to GROUP 54A, Column switch P.54A-57.

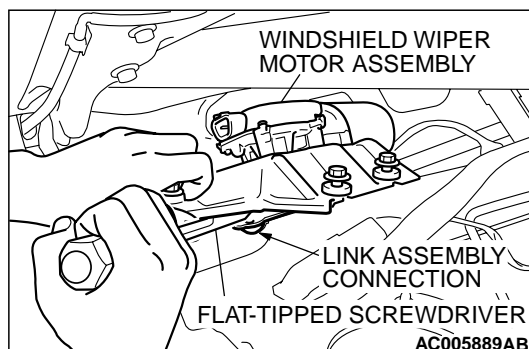
REMOVAL SERVICE POINT**<<A>> WINDSHIELD WIPER MOTOR ASSEMBLY REMOVAL**

1. Remove the windshield wiper motor assembly mounting bolt.

⚠ CAUTION

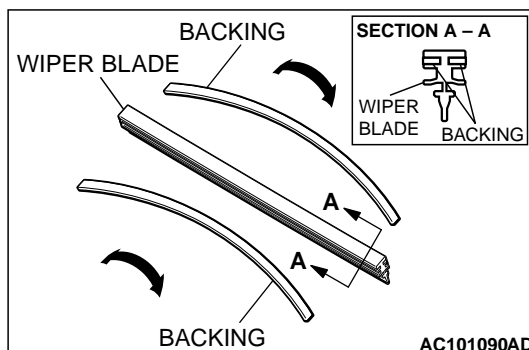
Be careful not to damage the windshield glass when the windshield wiper motor assembly is removed.

2. Use the flat-tipped screwdriver to disengage the link between the windshield wiper motor assembly and the link assembly to remove the windshield wiper motor assembly.

**INSTALLATION SERVICE POINTS****>>A<< WIPER BLADE INSTALLATION****⚠ CAUTION**

The driver's side wiper blade is not warped.

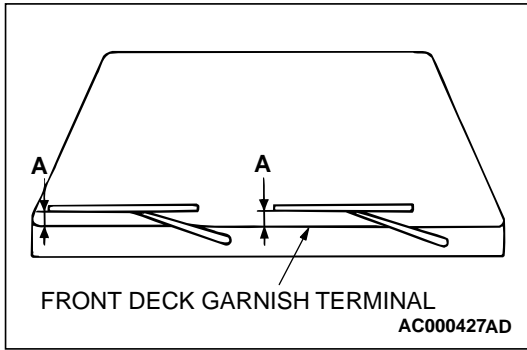
When installing the passenger's wiper blade, check that the backing inside the wiper blade is warped toward the wiper arm.



>>B<< WIPER BLADE ASSEMBLY INSTALLATION

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

Standard value: (A) 34 ± 5 mm (1.3 ± 0.20 inch)



INSPECTION

M1511007700272

FRONT WIPER MOTOR CHECK

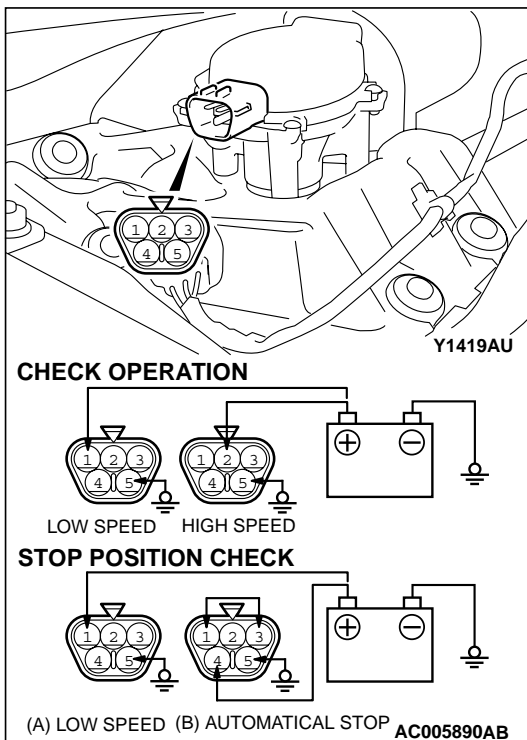
Inspect the windshield wiper motor by removing the harness connector with the motor attached to the vehicle.

Wiper Motor at Low-Speed and High-Speed Operation

Connect the battery to the windshield wiper motor to inspect the operation of motor rotation in low or high speed.

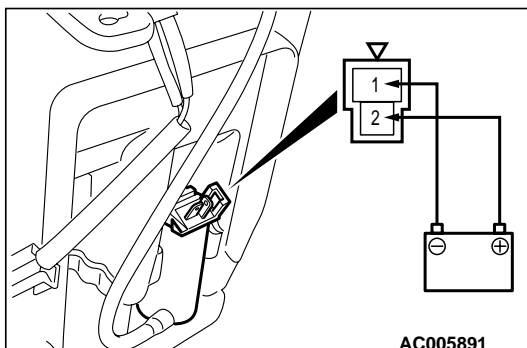
Wiper Motor at Stop Position Operation

1. Connect the battery to the windshield wiper motor to rotate the motor in a low speed as shown in the illustration (A) and disconnect the battery during rotation to stop the motor.
2. Connect between the terminals and the battery as shown in the illustration (B) and confirm whether the motor stops at the automatic stop position after rotating in a low speed.



FRONT WASHER MOTOR CHECK

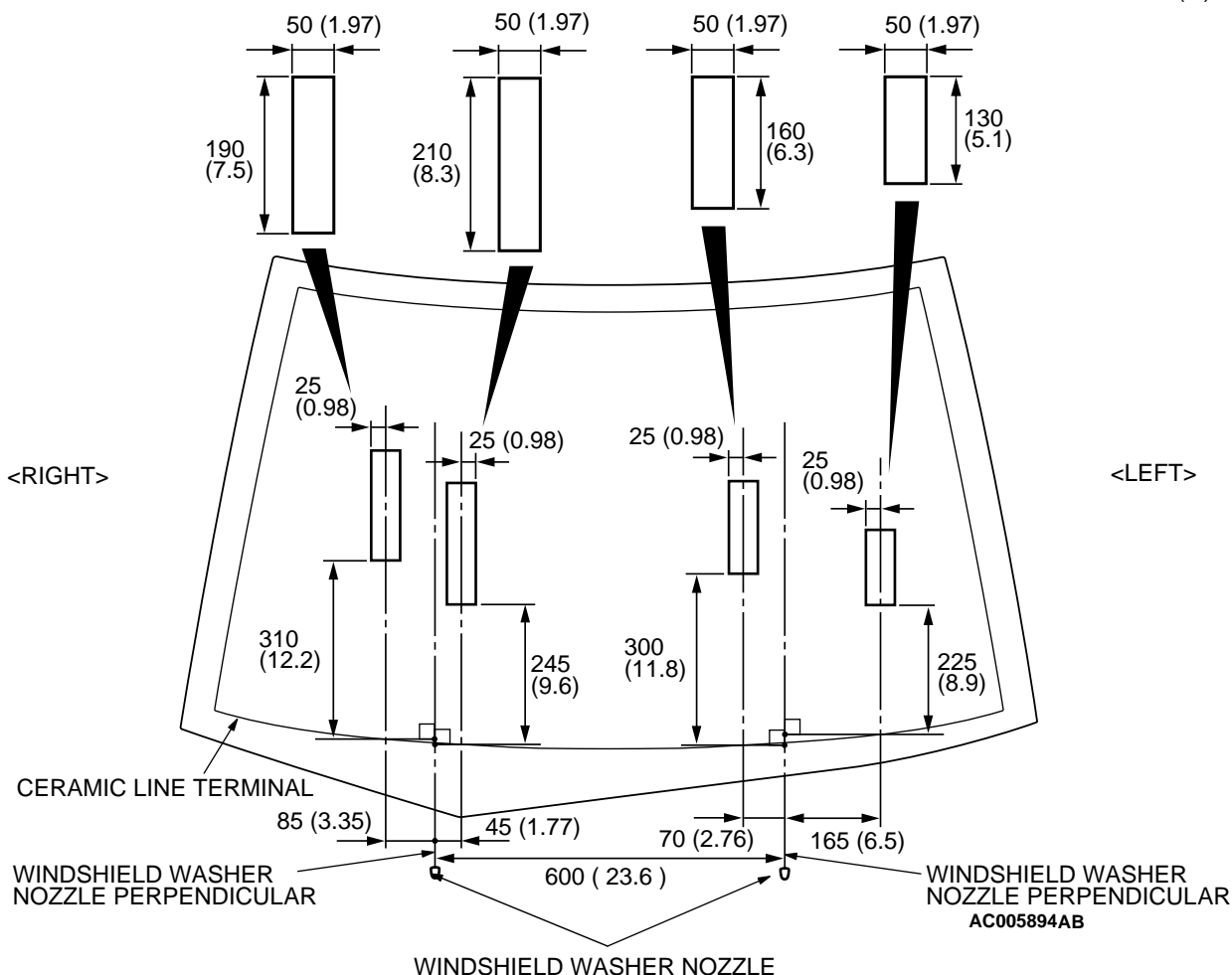
1. Remove the washer tank assembly with the washer hose attached. Then fill the washer tank with water.
2. Check to see that the water is vigorously spray is when connecting the positive battery terminal to terminal number 2 and terminal number 1 to the negative battery terminal.



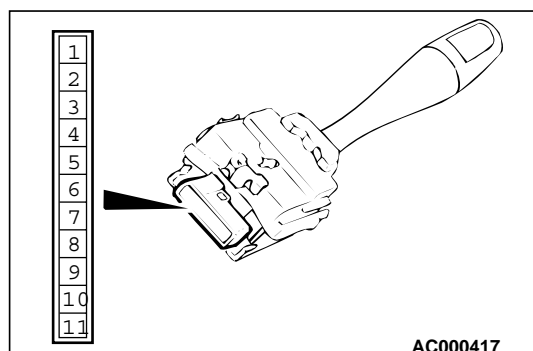
WINDSHIELD WASHER FLUID EJECTION CHECK

Move the nozzle to adjust the position so that the spray is in area shown in the area shown in the illustration.

UNITS: mm (in)

**WINDSHIELD WIPER AND WINDSHIELD WASHER SWITCH CHECK**

Check continuity between the switch terminals.

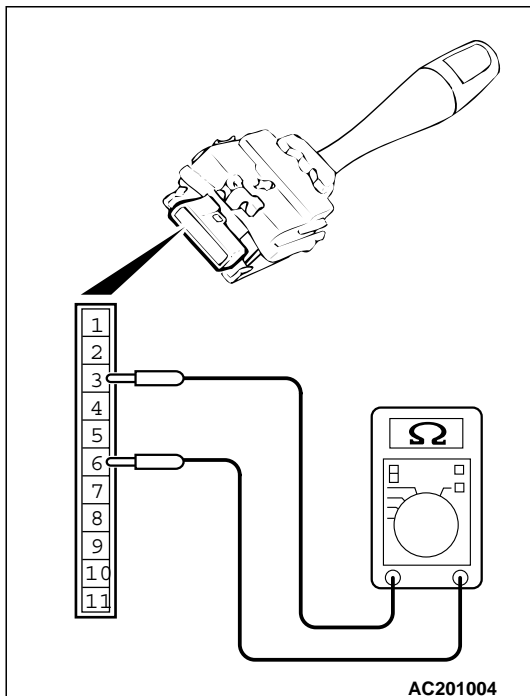


SWITCH POSITION	TESTER CONNECTION	SPECIFIED CONDITION
OFF	6 – 11, 6 – 10, 6 – 9, 6 – 8, 6 – 7	Open circuit
Windshield mist wiper switch	6 – 11	Less than 2 ohms
Windshield intermittent wiper switch	6 – 10	Less than 2 ohms

SWITCH POSITION	TESTER CONNECTION	SPECIFIED CONDITION
Windshield low-speed wiper switch	6 – 9	Less than 2 ohms
Windshield high-speed wiper switch	6 – 8	Less than 2 ohms
Windshield washer switch	6 – 7	Less than 2 ohms

WINDSHIELD INTERMITTENT WIPER VOLUME CHECK

Check that the resistance varies between 0 and 1 kilohm when the windshield intermittent volume is turned from FAST to SLOW by after measuring resistance between connector terminals 3 and 6 at the column switch.



REAR WIPER AND WASHER

GENERAL DESCRIPTION

OPERATION

REAR WIPER AND WASHER

Rear Wiper Operation

- If the rear wiper and washer switch is turned to "INT" position with the ignition switch at "ACC" or "ON" position, the ETACS-ECU turns ON the rear wiper drive signal for three seconds (approximately two cycles), then 7.4 seconds later the intermittent motion operates every eight seconds. If the selector lever is moved to the "R" position when the rear wiper and washer switch is turned to the "INT" position and the ignition switch is at the "ACC" or "ON" position, the park/neutral posi-

tion switch "R" turns ON. One second later, the ETACS-ECU turns ON the rear wiper drive signal for three seconds (approximately two cycles). Then, 7.4 seconds later, the intermittent motion of eight seconds' cycle is restored.

Rear Washer Operation

- If the rear wiper and washer switch is turned to the ON (washer) position with the ignition switch at the "ACC" or "ON" position, the rear washer ON signal is sent to the ETACS-ECU, causing the rear wiper signal to turn on after 0.3 second. After the rear washer switch signal turns off, the rear wiper signal turns off in three seconds. If the rear

washer switch is turned to the ON position while the rear wiper is in 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

M1511000700152

The rear wiper and washer are controlled by the Simplified Wiring System (SWS). For troubleshooting, refer to GROUP 54B, SWS Diagnosis [P.54Bb-2](#).

ON-VEHICLE SERVICE

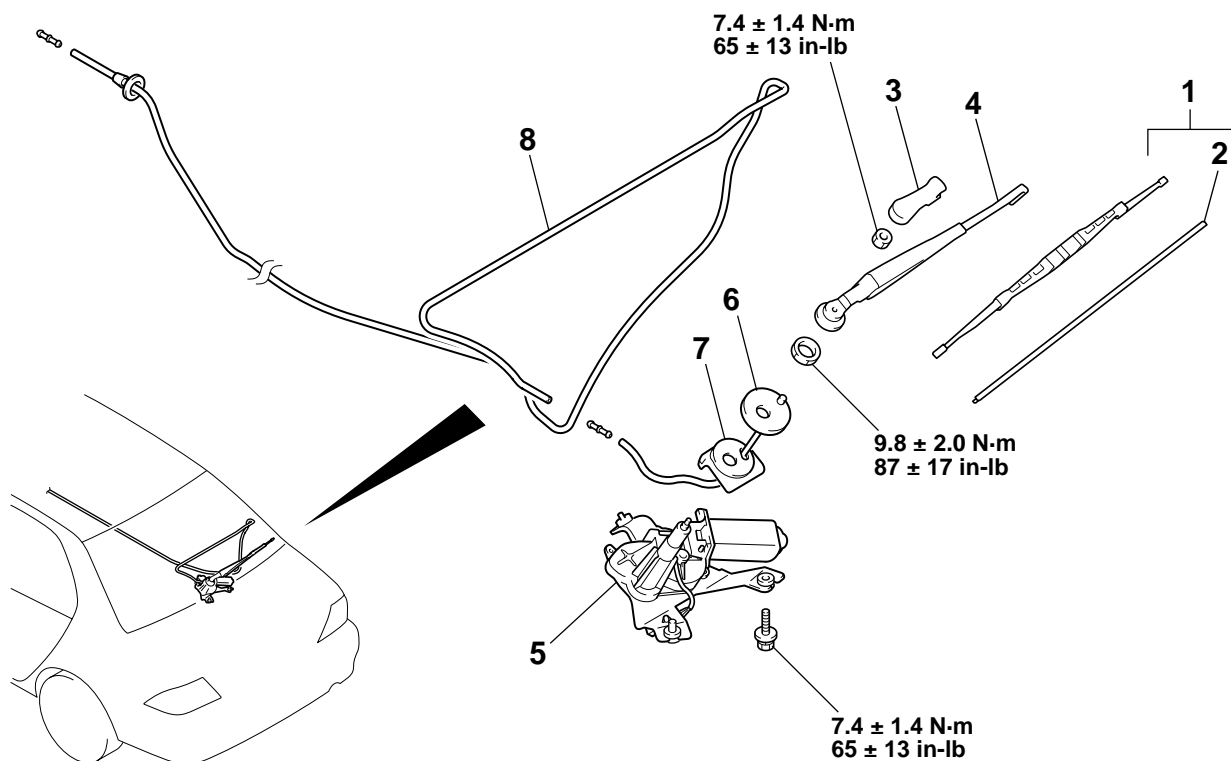
M1511000800041

CHECK OF REAR WIPER OPERATION WHEN SELECTOR LEVER IS AT THE "R" POSITION

1. When the selector lever is moved to the "R" position with the rear wiper switch at the "INT" position, the wiper should operate twice or three times at low speed after approximately one second.
2. If not, carry out the troubleshooting (Refer to GROUP 54B, Diagnosis [P.54Bb-2](#)).

REAR WIPER AND WASHER REMOVAL AND INSTALLATION

M1511008500044



AC005896AB

- WASHER TANK ASSEMBLY AND REAR WASHER MOTOR (REFER TO P.51-21.)

WIPER BLADE ASSEMBLY REMOVAL STEPS

- >>C<< 1. WIPER BLADE ASSEMBLY
>>B<< 2. WIPER BLADE

REAR WIPER MOTOR AND REAR WASHER NOZZLE REMOVAL STEPS

3. COVER
4. WIPER ARM
<<A>> >>A<< 5. REAR WIPER MOTOR ASSEMBLY
6. NOZZLE AND COLLAR ASSEMBLY
7. PACKING AND WASHER ASSEMBLY

WASHER HOSE REMOVAL STEPS

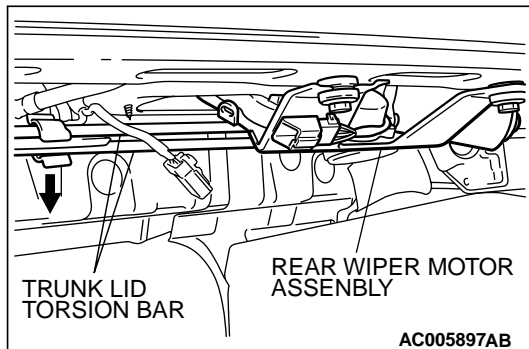
- COWL SIDE TRIM, FRONT SCUFF PLATE, CENTER PILLAR TRIM LOWER, REAR SCUFF PLATE, REAR PILLAR TRIM AND REAR SHELF TRIM (REFER TO GROUP 52A, TRIM P.52A-11.)
- REAR SEAT (REFER TO GROUP 52A, REAR SEAT P.52A-18.)
- 8. REAR WASHER HOSE

NOTE: For removal and installation of the wiper and washer switch, refer to GROUP 54A, Column switch P.54A-57.

REMOVAL SERVICE POINT

<<A>> REAR WIPER MOTOR ASSEMBLY REMOVAL

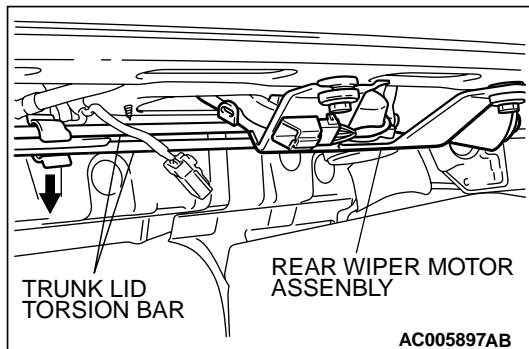
Close the trunk lid slightly and lower the trunk lid torsion bar slightly when removing the rear wiper motor assembly. If you fail to do this, the rear wiper motor assembly will interfere with the trunk lid torsion bar.

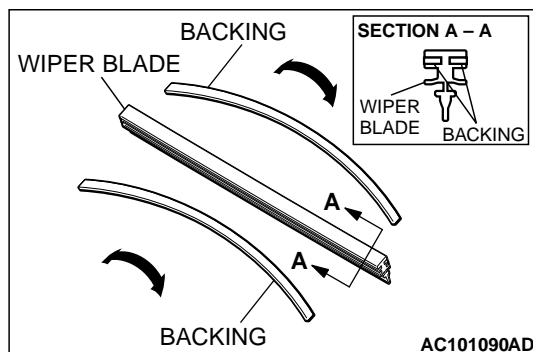


INSTALLATION SERVICE POINTS

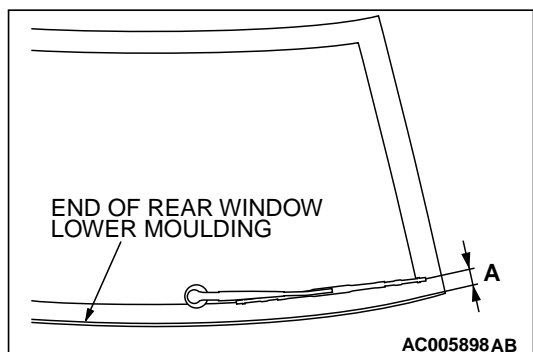
>>A<< REAR WIPER MOTOR ASSEMBLY INSTALLATION

Close the trunk lid slightly and lower the trunk lid torsion bar slightly when installing the rear wiper motor assembly. If you fail to do this, the rear wiper motor assembly will interfere with the trunk lid torsion bar.



**>>B<< WIPER BLADE INSTALLATION**

When installing the wiper blade, check that the backing inside the wiper blade is warped toward the wiper arm.

**>>C<< WIPER BLADE ASSEMBLY INSTALLATION**

Before installing the rear wiper arm and blade assembly, operate the rear wiper motor so that the motor stops at the predetermined park position. Install the rear wiper arm and blade assembly and adjust the rear wiper blade position so that the blade end stops at the predetermined position (standard position).

Standard value: (A) 38 ± 5 mm (1.5 ± 0.20 inch)

INSPECTION

M1511008600126

REAR WIPER MOTOR CHECK

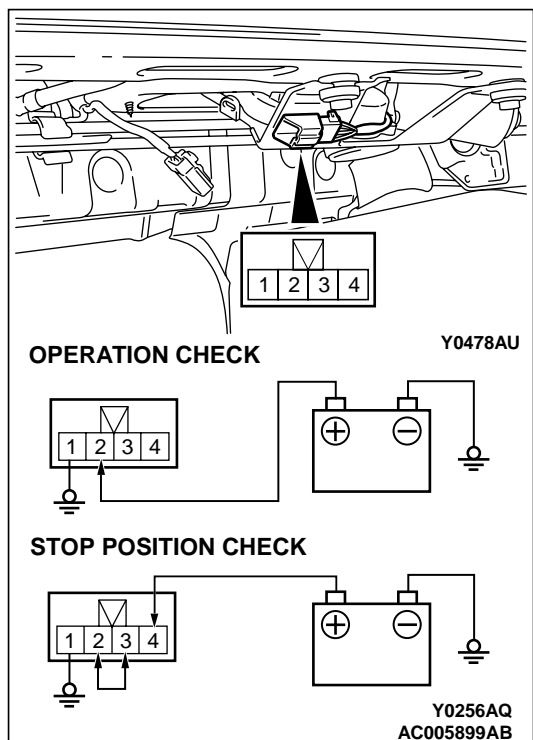
Inspect the rear wiper motor is conducted by removing the harness connector with the motor attached to the vehicle.

Wiper Motor Operation

Connect the battery to the rear wiper motor as shown in the illustration and check the motor operation.

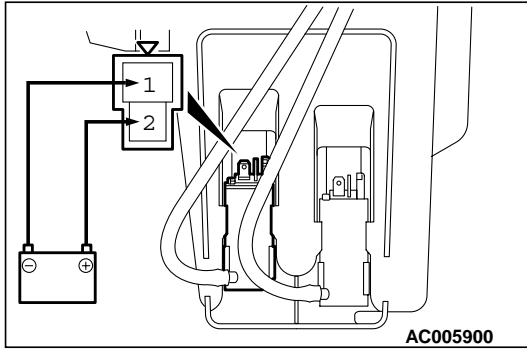
Wiper Motor at Stop Position Operation

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.



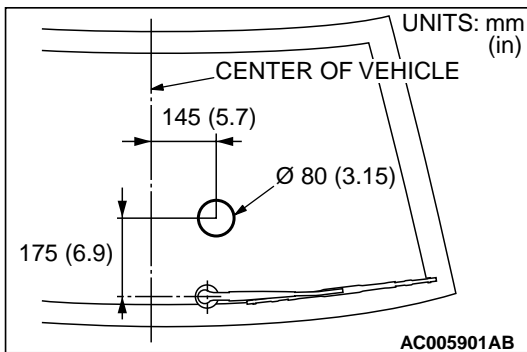
REAR WASHER MOTOR CHECK

1. Remove the rear washer tank assembly with the washer hose attached. Then fill the washer tank with water.
2. Check to see that the water is vigorously sprayed when connecting the positive battery terminal to terminal number 2 and terminal number 1 to the negative battery terminal.



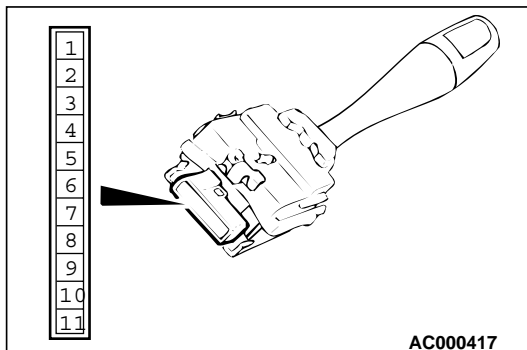
REAR WASHER FLUID EJECTION CHECK

Move the nozzle to adjust the position so that the spray is in the area shown in the illustration.



REAR WIPER AND WASHER SWITCH CHECK

Check continuity between the switch terminals.

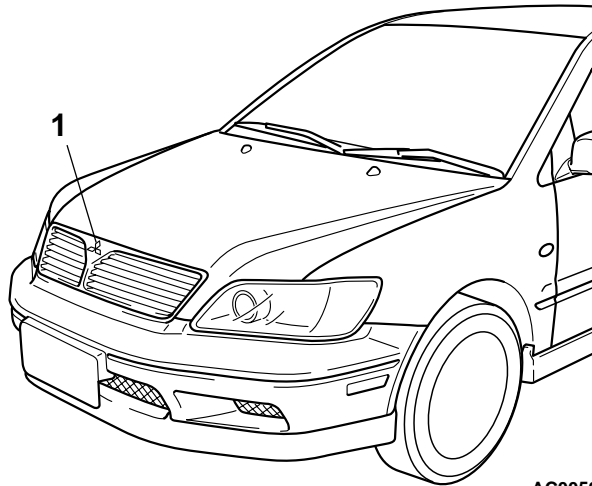


SWITCH POSITION	TESTER CONNECTION	SPECIFIED CONDITION
OFF	4 – 6, 5 – 6	Open circuit
Rear wiper switch	4 – 6	Less than 2 ohms
Rear washer switch	5 – 6	Less than 2 ohms

MARK

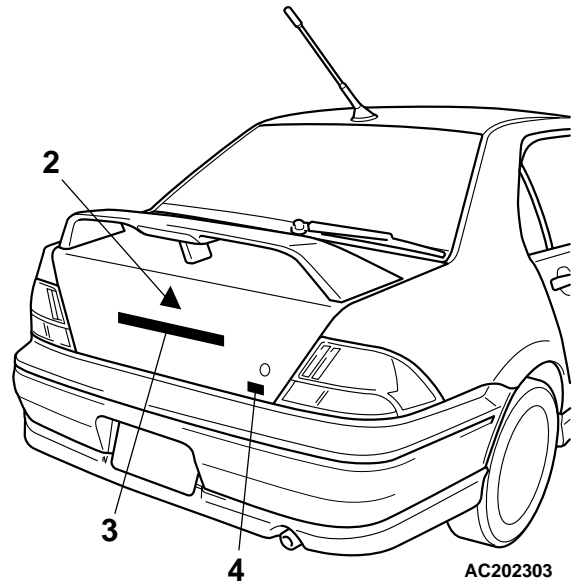
REMOVAL AND INSTALLATION

M1511011800227



AC005902

1. THREE-DIAMOND MARK
>>A<< 2. THREE-DIAMOND MARK

AC202303
AC203240 AB

- >>A<< 3. LANCER MARK
>>A<< 4. GRADE MARK (ES, LS)

INSTALLATION SERVICE POINT

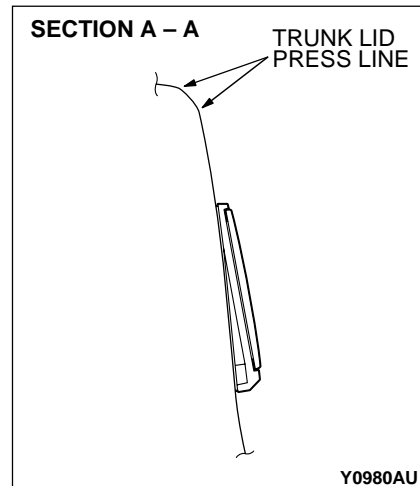
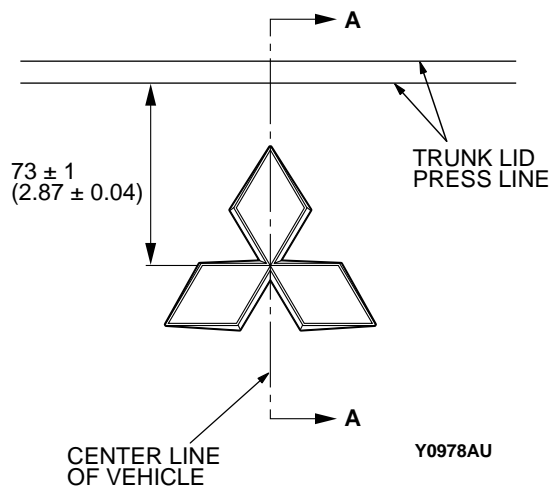
>>A<< MARK APPLICATION

1. Installation position

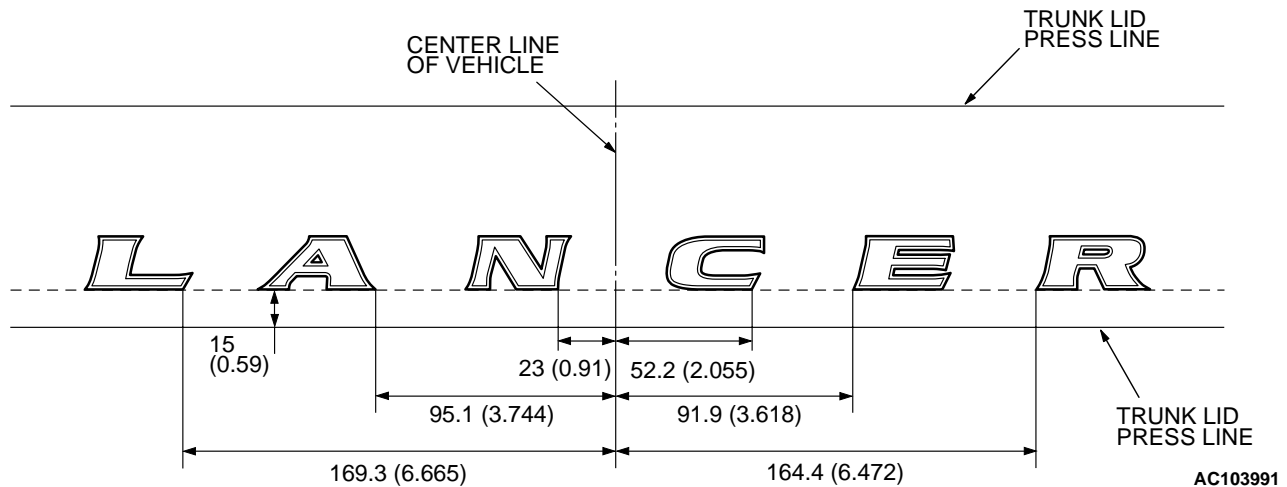
Attach each mark to the position shown in the illustration.

THREE-DIAMOND MARK

UNITS: mm (in)

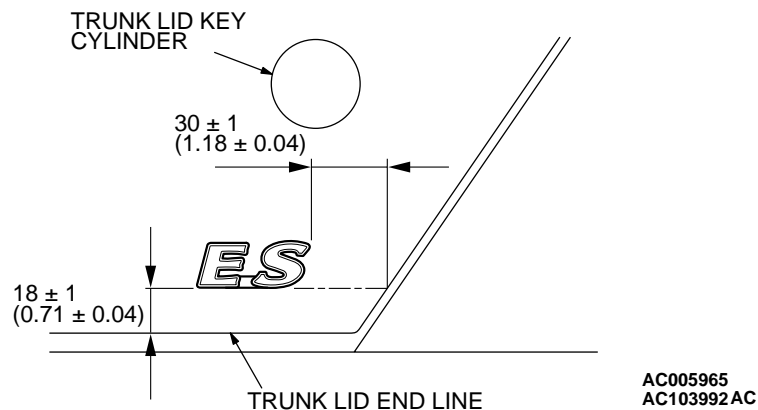


LANCER MARK



GRADE MARK (ES, LS)

ES (also applicable for LS)



2. Installation procedure

- (1) Use 3M™ AAD Part number 8906 or equivalent to clean the mark installation surfaces on the body.

⚠ CAUTION

When attaching the marks, the ambient temperature should be 20° – 38°C (60° – 100°F) and the air should be completely free of dust. If the ambient temperature is lower than 20°C (60°F), the marks and the places on the vehicle body where the marks are to be attached should be heated to 20° – 38°C (60° – 100°F).

- (2) Peel off the protection sheet on the back of the marks to paste it on the installation position.

DOOR MIRROR

GENERAL DESCRIPTION

OPERATION
DOOR MIRROR

M1511000100309

Remote Controlled Mirror Operation

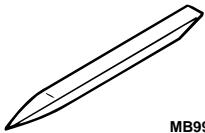
- The mirror on the door mirror moves up/down and left/right by operating the remote controlled door mirror switch when the ignition switch is in the "ON" or "ACC" position.

Heated Door Mirror operation

- The defogger relay switch is activated (ON) by turning on the A/C-ECU built-in defogger switch when the ignition switch is in the "ON" position. When the defogger relay is turned ON, power is supplied to the defogger and door mirror, and the heater of the door mirror (heated door mirror) starts operations. The defogger comes with a timer function and will automatically turn OFF the switch approximately 11 minutes after the defogger switch is turned ON. The heated door mirror operations are also terminated along with the defogger, at this time.

SPECIAL TOOL

M1511000600445

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

HEATED DOOR MIRROR DIAGNOSIS

TROUBLESHOOTING STRATEGY

M1511014600039

Diagnosis should be carried out by the following procedures.

- Gather the information from the customer.
- Verify that the condition described by the customer exists.
- Find the malfunction by the following Symptom Chart.
- Verify the malfunction is eliminated.

TROUBLE SYMPTOM CHART

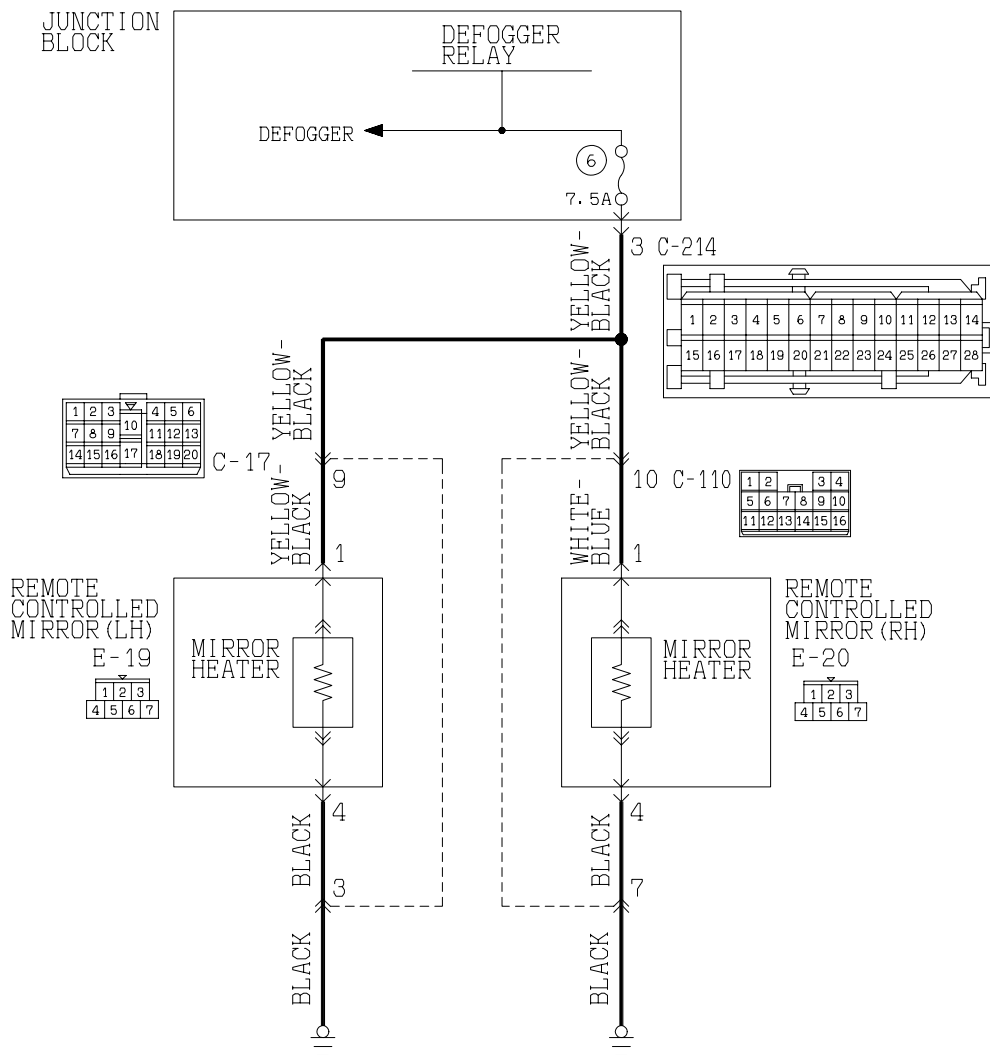
M1511015000052

SYMPTOMS	INSPECTION PROCEDURE	REFERENCE PAGE
All heated door mirrors do not operate	1.	P.51-33
The right or left heated door mirror does not operate	2.	P.51-39

SYMPTOM PROCEDURES

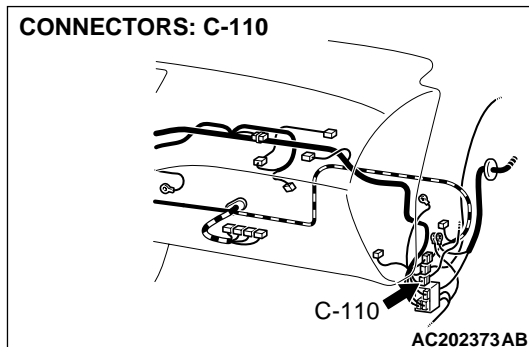
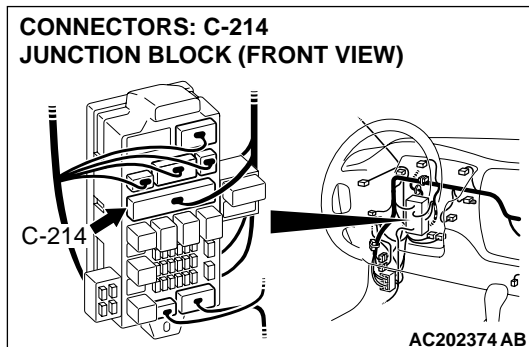
INSPECTION PROCEDURE 1: All Heated Door Mirrors do not Operate

Heated door mirror Circuit

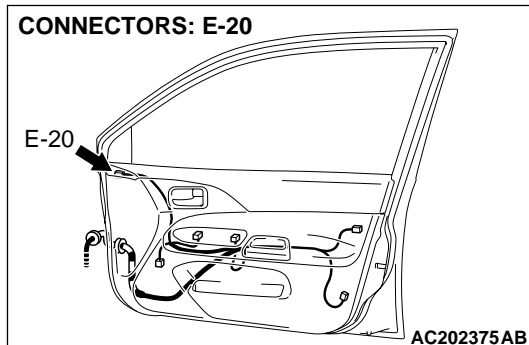


W3J02M01AA

CONNECTORS: C-110

CONNECTORS: C-214
JUNCTION BLOCK (FRONT VIEW)

CONNECTORS: E-20

**CIRCUIT OPERATION**

If the heater function (heated door mirror) of the heater function does not operate normally it may be due to a malfunction in the defogger relay system.

TROUBLESHOOTING HINTS

- Malfunction of the defogger relay system.
- The wiring harness or connectors may have loose, corroded, or damaged terminals, or terminals pushed back in the connector.

DIAGNOSIS**Required Special Tools:**

- MB991223: Test Harness Set

STEP 1. Check the defogger.

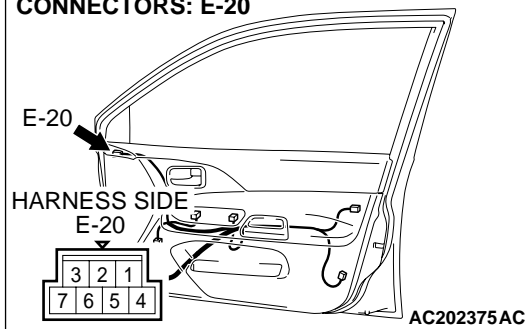
- (1) Ignition switch: ON
- (2) Defogger switch: ON

Q: Does the defogger work normally?

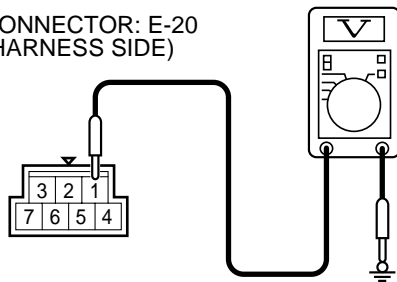
YES : Go to Step 2.

NO : Malfunction of the defogger. Carry out the troubleshooting (Refer to GROUP 55 [P.55-5](#)).

CONNECTORS: E-20



**CONNECTOR: E-20
(HARNESS SIDE)**



STEP 2. Check the battery power supply circuit to the remote controlled mirror (RH). Test at remote controlled mirror (RH) connector E-20

(1) Disconnect the remote mirror connector E-20 and measure the voltage available at the wiring harness side of the connector.

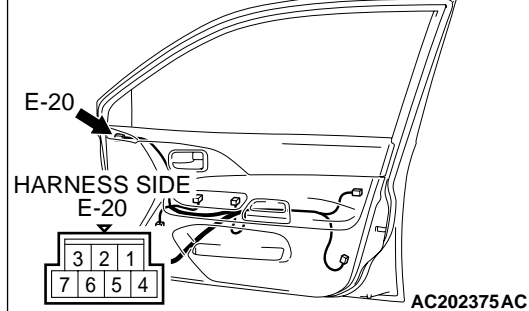
(2) Measure the voltage between terminal 1 and ground.

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

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

YES : No action is necessary and testing is complete.

NO : Go to Step 3.

CONNECTORS: E-20

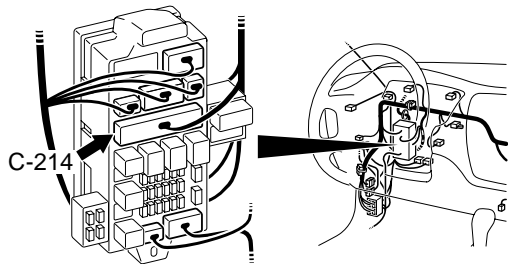
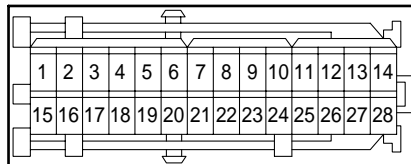
STEP 3. Check the remote controlled mirror (RH) connector E-20 and junction block connector C-214 for loose, corroded or damaged terminals, or terminals pushed back in the connector.

Q: Are the remote controlled mirror (RH) connector E-20 and junction block connector C-214 in good condition?

YES : Go to Step 4.

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

P.00E-2. Check if the door mirror heater function (heated door mirrors) works normally.

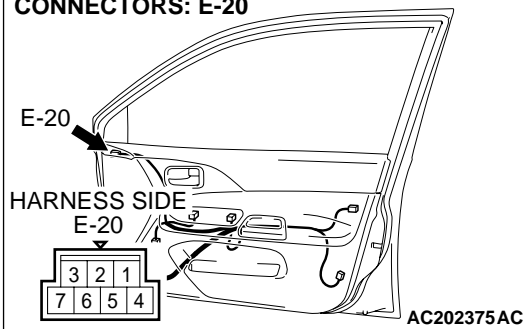
CONNECTORS: C-214
JUNCTION BLOCK (FRONT VIEW)
**C-214**

AC202377 AB

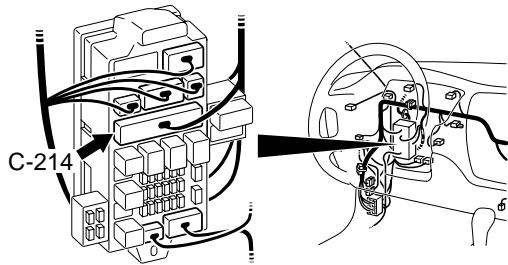
STEP 4. Check the wiring harness between the remote controlled mirror (RH) connector E-20 (terminal 1) and junction block connector C-214 (terminal 3).

NOTE: Also check intermediate connector C-110 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If intermediate connector C-110 is damaged, repair or replace the damaged component(s) as described in GROUP 00E, Harness Connector Inspection [P.00E-2](#).

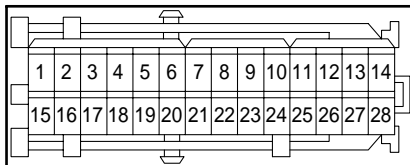
CONNECTORS: E-20



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

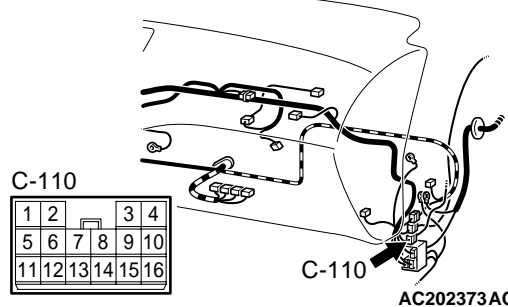


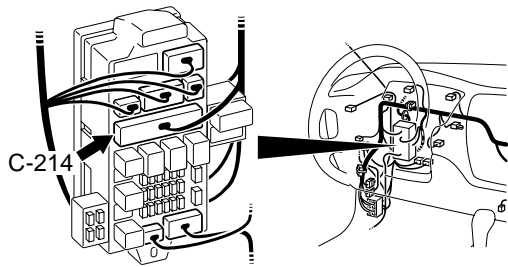
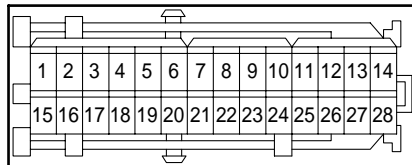
C-214



AC202377AB

CONNECTORS: C-110



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

AC202377AB

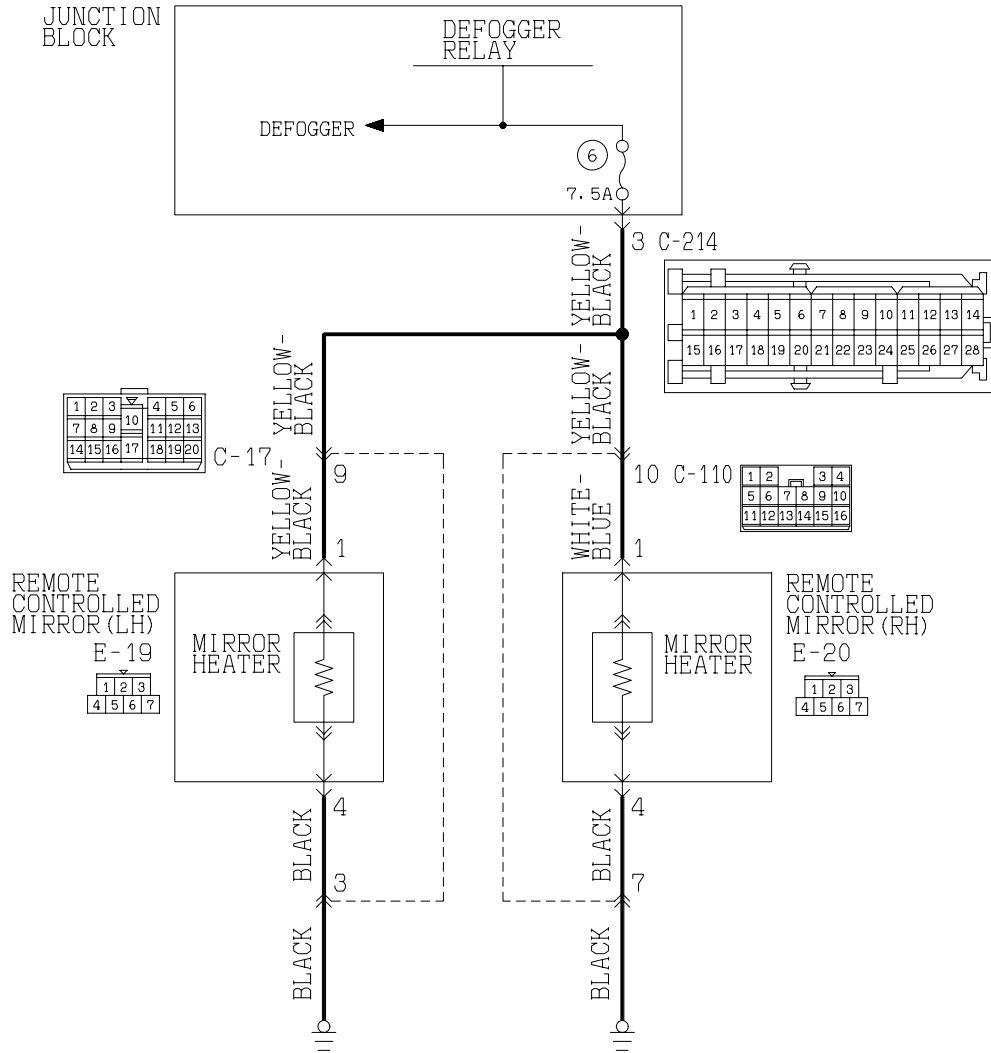
Q: Are the wiring harness between the remote controlled mirror (RH) connector E-20 (terminal 1) and the junction block connector C-214 (terminal 3) in good condition?

YES : No action is necessary and testing is complete.

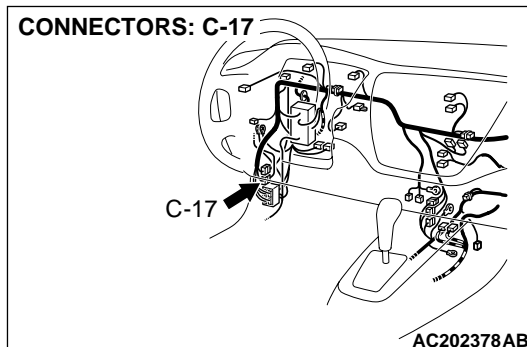
NO : The wiring harness may be damaged or the connector(s) may have loose, corroded or damaged terminals, or terminals pushed back in the connector. Repair the wiring harness as necessary. Check if the door mirrors heater function (heated door mirror) works normally.

INSPECTION PROCEDURE 2: Right or Left Heated Door Mirror does not Operate

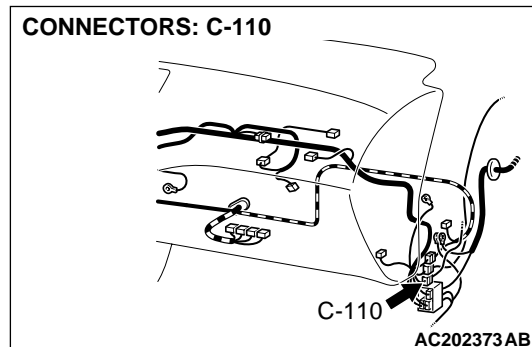
Heated door mirror Circuit

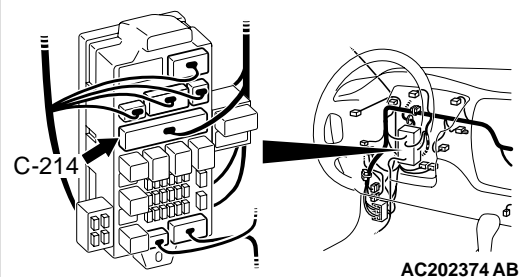
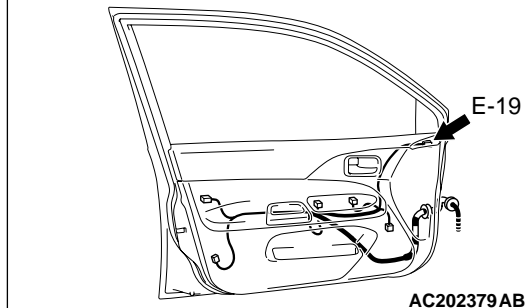
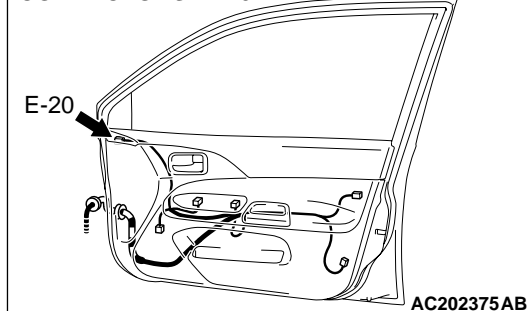


CONNECTORS: C-17



CONNECTORS: C-110



CONNECTORS: C-214
JUNCTION BLOCK (FRONT VIEW)**CONNECTORS: E-19****CONNECTORS: E-20****CIRCUIT OPERATION**

If the heater function (heated door mirror) of either of the door mirrors does not operate normally, it may be due to malfunctions in the heated door mirror circuit or door mirror.

TROUBLESHOOTING HINTS

- Malfunction of the heated door mirror circuit
- Malfunction of the door mirror
- The wiring harness or connectors may have loose, corroded, or damaged terminals, or terminals pushed back in the connector.

DIAGNOSIS

STEP1. Verify the operation of each heated door mirror.

Q: Which door mirror does not heat?

Door mirror (LH) : Go to Step 2.

Door mirror (RH) : Go to Step 8.

STEP 2. Check the heated door mirror (LH).

⚠ CAUTION

When relocating the car between locations with extremely different temperatures (warm and cold), leave the car in the location for a while to adapt to the temperature prior to checking it.

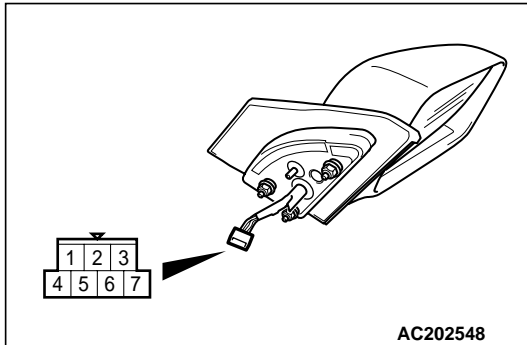
The resistance value between door mirror (LH) connector terminals 1 and 4 should meet the standard value with the ambient temperature at a steady 25°C (77°F).

Standard value: 5.9 – 7.8 Ω

Q: Is the heater function (heated door mirror) of the door mirror normal?

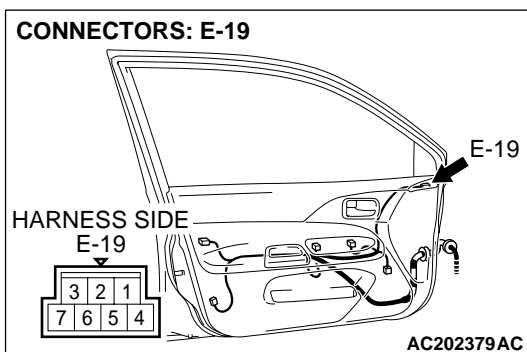
YES : Go to Step 3.

NO : Replace the door mirror (LH). Check to see that the heater function (heated door mirror) of the door mirror (LH) is operating normally.



**STEP 3. Check the ground circuit to the door mirror (LH).
Test at remote controlled mirror (LH) connector E-19.**

(1) Disconnect remote controlled mirror (LH) connector E-19 and measure the resistance available at the wiring harness side of the connector.



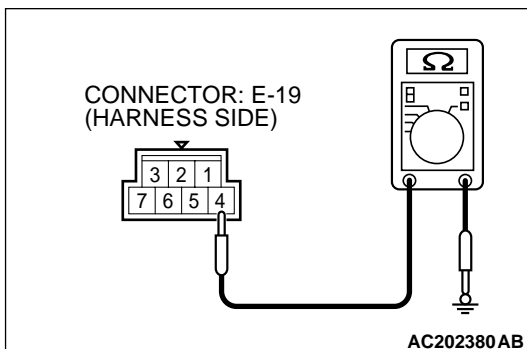
(2) Measure the resistance value between terminal 4 and ground.

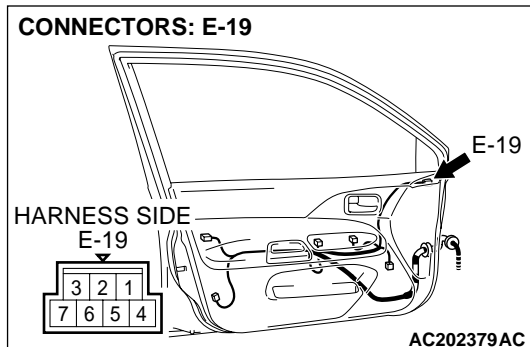
- The resistance should be 2 ohms or less.

Q: Is the measured resistance 2 ohms or less?

YES : Go to Step 6.

NO : Go to Step 4.





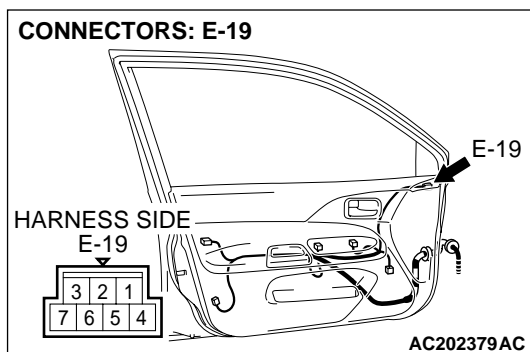
STEP 4. Check the remote controlled mirror (LH) connector E-19 for loose, corroded or damaged terminals, or terminals pushed back in the connector.

Q: Is the remote controlled mirror (LH) connector E-19 in good condition?

YES : Go to Step 5.

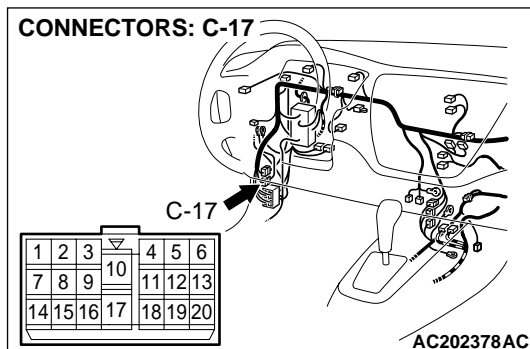
NO : Repair or replace the damaged component(s). Refer to GROUP 00E, Harness Connector Inspection

[P.00E-2](#). Check to see that the heater function (heated door mirror) of the door mirror (LH) operates normally.



STEP 5. Check the wiring harness between the remote controlled mirror (LH) connector E-19 (terminal 4) and ground.

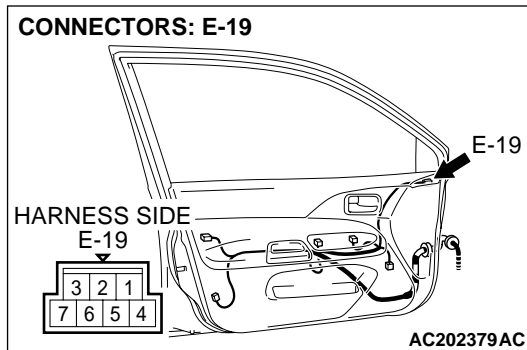
NOTE: Also check intermediate connector C-17 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If intermediate connector C-17 is damaged, repair or replace the damaged component(s) as described in GROUP 00E, Harness Connector Inspection [P.00E-2](#).



Q: Are the wiring harness between the remote controlled mirror (LH) connector E-19 (terminal 4) and ground 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. Check to see that the heater function (heated door mirror) of the door mirror (LH) operates normally.



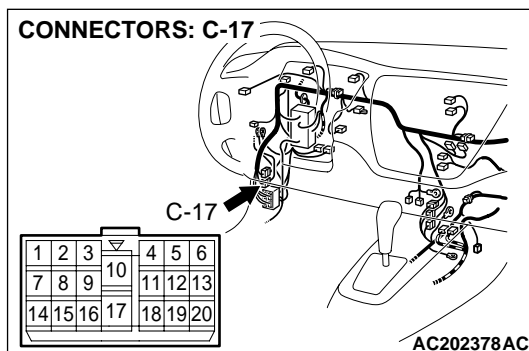
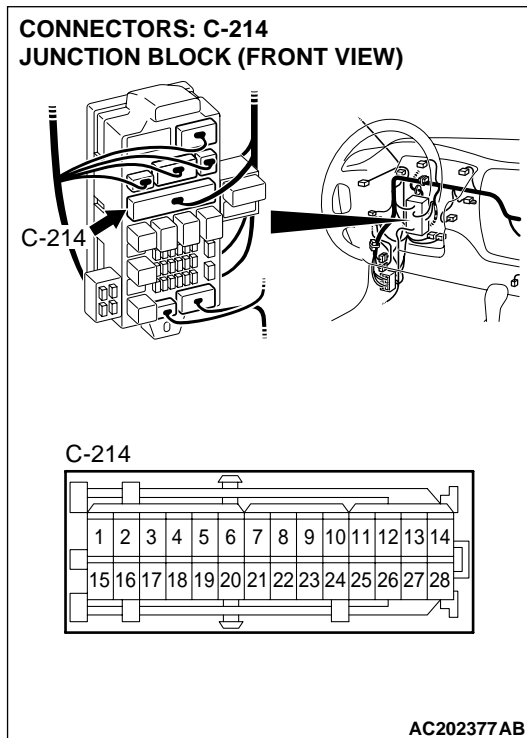
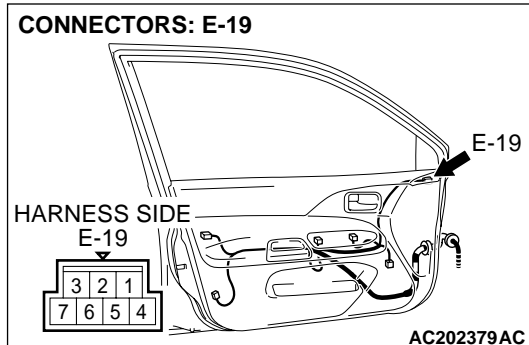
STEP 6. Check the remote controlled mirror (LH) connector E-19 for loose, corroded or damaged terminals, or terminals pushed back in the connector.

Q: Is the remote controlled mirror (LH) connector E-19 in good condition?

YES : Go to Step 7.

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

P.00E-2. Check to see that the heater function (heated door mirror) of the door mirror (LH) operates normally.



STEP 7. Check the wiring harness between the remote controlled mirror (LH) connector E-19 (terminal 1) and junction block connector C-214 (terminal 3).

NOTE: Also check intermediate connector C-17 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If intermediate connector C-17 is damaged, repair or replace the damaged component(s) as described in GROUP 00E, Harness Connector Inspection [P.00E-2](#).

Q: Are the wiring harness between the remote controlled mirror (LH) connector E-19 (terminal 1) and junction block connector C-214 (terminal 3) 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. Check to see that the heater function (heated door mirror) of the door mirror (LH) operates normally.

STEP 8. Check the heated door mirror (RH).

⚠ CAUTION

When relocating the car between locations with extremely different temperatures (warm and cold), leave the car in the location for a while to adapt to the temperature prior to checking it.

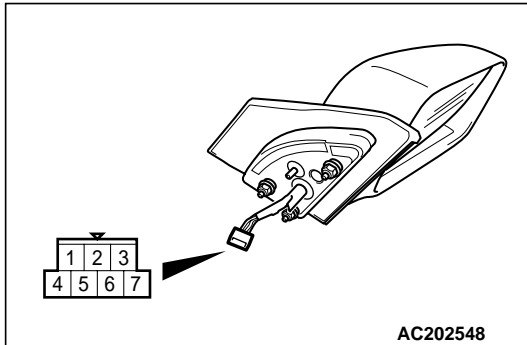
The resistance value between door mirror (RH) connector terminals 1 and 4 should meet the standard value with the ambient temperature at a steady 25°C (77°F).

Standard value: 5.9 – 7.8 Ω

Q: Is the heater function (heated door mirror) of the door mirror normal?

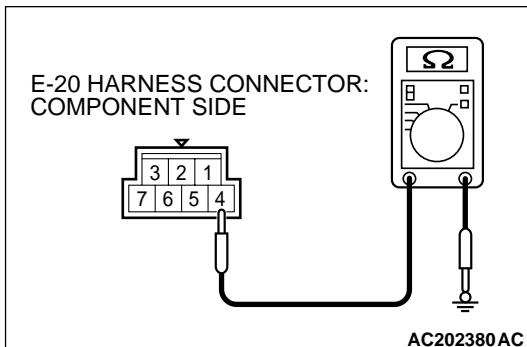
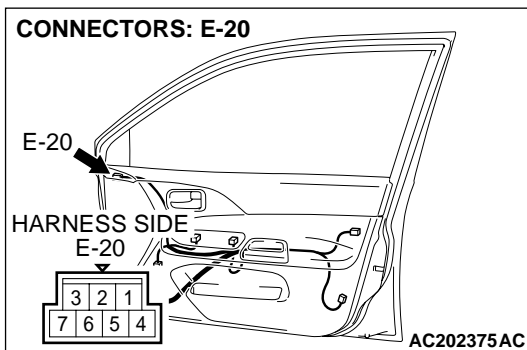
YES : Go to Step 9.

NO : Replace the door mirror (RH). Check to see that the heater function (heated door mirror) of the door mirror (RH) operates normally.



**STEP 9. Check the ground circuit to the door mirror (RH).
Test at the remote controlled mirror (RH) connector E-20.**

(1) Disconnect the remote controlled mirror (RH) connector E-20 and measure the resistance available at the wiring harness side of the connector.



(2) Measure the resistance value between terminal 4 and ground.

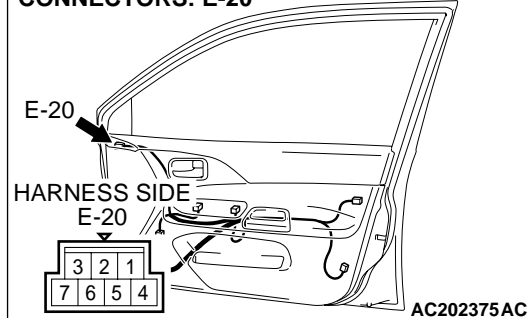
- The resistance should equal 2 ohms or less.

Q: Is the measured resistance 2 ohms or less?

YES : No action is necessary and testing is complete.

NO : Go to Step 12.

CONNECTORS: E-20



STEP 10. Check the remote controlled mirror (RH) connector E-20 for loose, corroded or damaged terminals, or terminals pushed back in the connector.

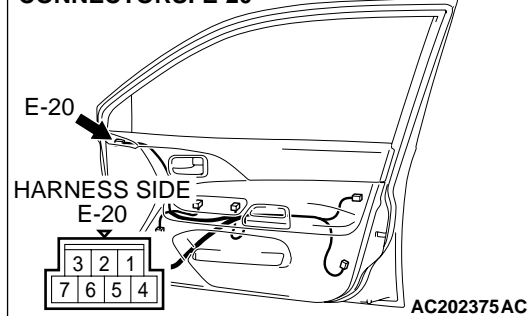
Q: Is the remote controlled mirror (RH) connector E-20 in good condition?

YES : Go to Step 11.

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

P.00E-2. Check to see that the heater function (heated door mirror) of the door mirror (RH) operates normally.

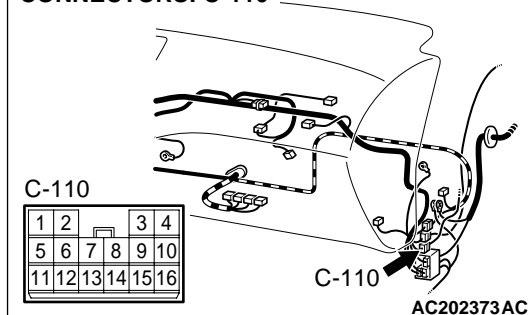
CONNECTORS: E-20



STEP 11. Check the wiring harness between the remote controlled mirror (RH) connector E-20 (terminal 4) and ground.

NOTE: Also check intermediate connector C-110 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If intermediate connector C-110 is damaged, repair or replace the damaged component(s) as described in GROUP 00E, Harness Connector Inspection **P.00E-2.**

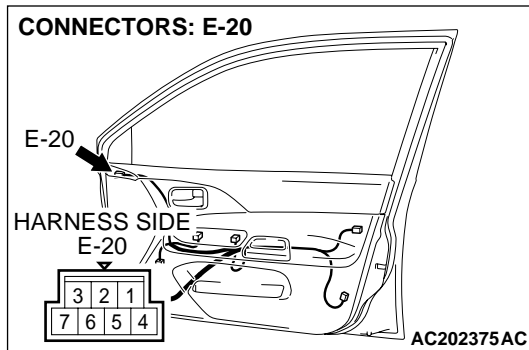
CONNECTORS: C-110



Q: Are the wiring harness between the remote controlled mirror (RH) connector E-20 (terminal 4) and ground 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. Check to see that the heater function (heated door mirror) of the door mirror (RH) operates normally.



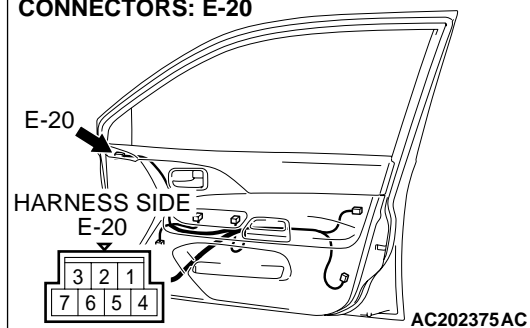
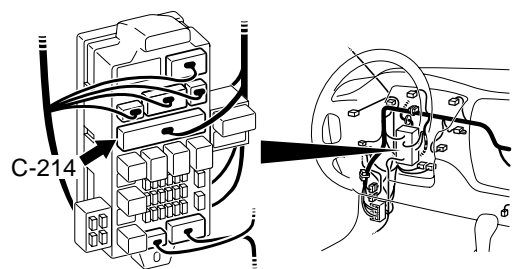
STEP 12. Check the remote controlled mirror (RH) connector E-20 for loose, corroded or damaged terminals, or terminals pushed back in the connector.

Q: Is the remote controlled mirror (RH) connector E-20 in good condition?

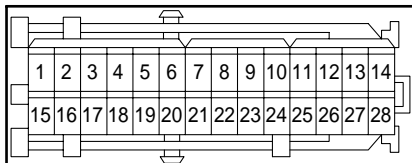
YES : Go to Step 13.

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

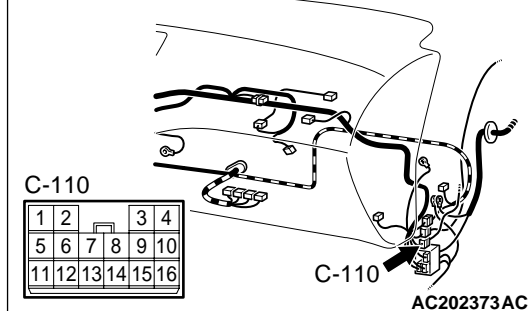
P.00E-2. Check to see that the heater function (heated door mirror) of the door mirror (RH) operates normally.

CONNECTORS: E-20**CONNECTORS: C-214
JUNCTION BLOCK (FRONT VIEW)**

C-214



AC202377AB

CONNECTORS: C-110

STEP 13. Check the wiring harness between the remote controlled mirror (RH) connector E-20 (terminal 1) and junction block connector C-214 (terminal 3).

NOTE: Also check intermediate connector C-110 for loose, corroded, or damaged terminals, or terminals pushed back in the connector. If intermediate connector C-110 is damaged, repair or replace the damaged component(s) as described in GROUP 00E, Harness Connector Inspection [P.00E-2](#).

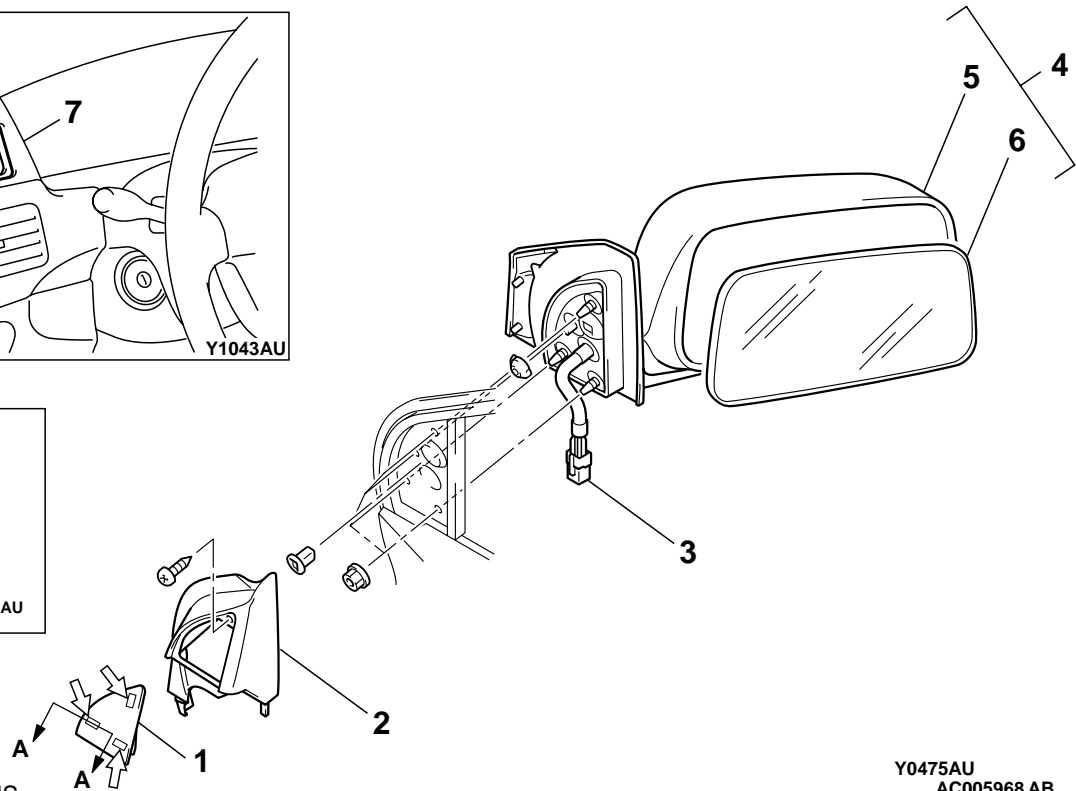
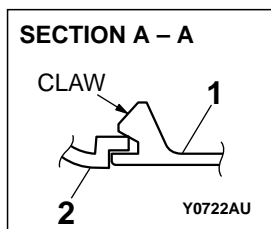
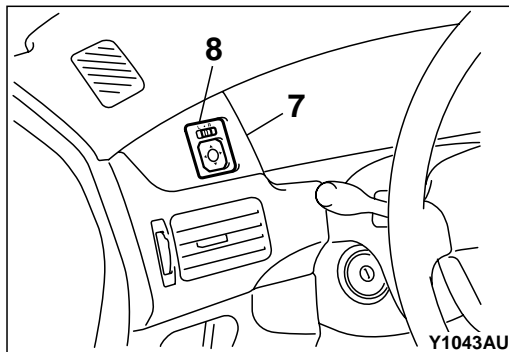
Q: Is the wiring harness between the remote controlled mirror (RH) connector E-20 (terminal 1) and junction block connector C-214 (terminal 3) in good condition?

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. Check to see that the heater function (heated door mirror) of the door mirror (RH) operates normally.

DOOR MIRROR REMOVAL AND INSTALLATION

M1511006400096



NOTE
←: CLAW POITIONS

DOOR MIRROR REMOVAL STEPS

1. COVER
2. DELTA INNER COVER
3. HARNESS CONNECTOR
<VEHICLES WITH REMOTE
CONTROLLED MIRROR>
4. DOOR MIRROR ASSEMBLY
5. DOOR MIRROR BODY ASSEMBLY
6. MIRROR

REMOTE CONTROLLED MIRROR SWITCH REMOVAL STEPS

7. INSTRUMENT PANEL ORNAMENT
(REFER TO GROUP 52A,
INSTRUMENT PANEL [P.52A-2.](#))
8. REMOTE CONTROLLED MIRROR
SWITCH

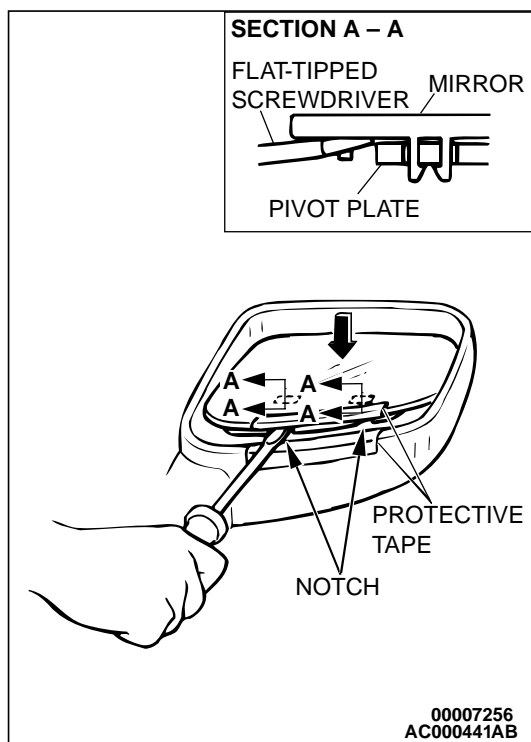
Required Special Tool:

- MB990784: Ornament Remover

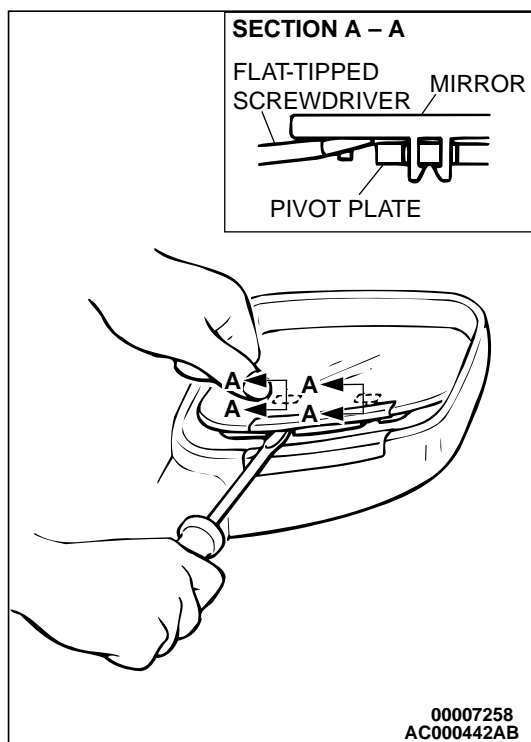
<<A>> >>A<<

REMOVAL SERVICE POINT**<<A>> MIRROR REMOVAL**

Push the top of the mirror with your hand to tilt it and attach the protective tape as shown in the illustration. Then insert a flat-tipped screwdriver in between the notch at the rear of the mirror and the pivot plate, and disengage the bottom of the mirror.

**INSTALLATION SERVICE POINT****>>A<< MIRROR INSTALLATION**

While supporting the clip position on the underside of the pivot plate with a flat-tipped screwdriver, press the clip at the front of the mirror to engage the bottom of the mirror.

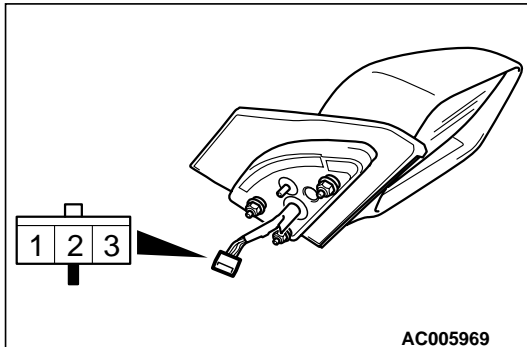


INSPECTION

M1511006500219

**ELECTRIC REMOTE CONTROL MIRROR
OPERATION CHECK <VEHICLES WITHOUT
HEATED DOOR MIRROR>**

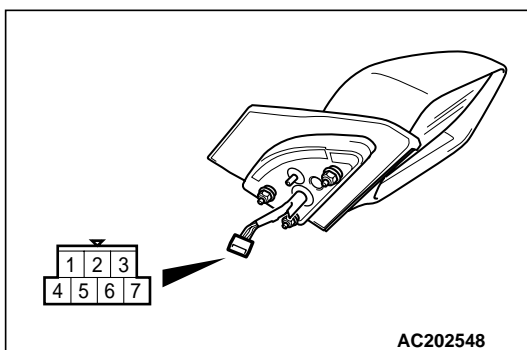
Check that the mirror moves as described in the table when each terminal is connected to the battery.



BATTERY CONNECTION	DIRECTION OPERATION
<ul style="list-style-type: none">Connect terminal 1 to the negative battery terminal.Connect terminal 3 to the positive battery terminal.	Up
<ul style="list-style-type: none">Connect terminal 1 to the positive battery terminal.Connect terminal 3 to the negative battery terminal.	Down
<ul style="list-style-type: none">Connect terminal 1 to the negative battery terminal.Connect terminal 2 to the positive battery terminal.	Right
<ul style="list-style-type: none">Connect terminal 1 to the positive battery terminal.Connect terminal 2 to the negative battery terminal.	Left

**ELECTRIC REMOTE CONTROL MIRROR
OPERATION CHECK <VEHICLES WITH HEATED
DOOR MIRROR>**

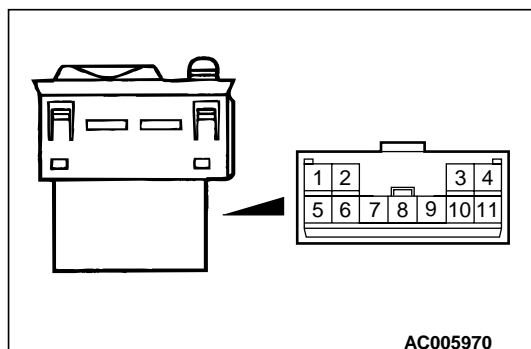
Check that the mirror moves as described in the table when each terminal is connected to the battery.



BATTERY CONNECTION	DIRECTION OPERATION
<ul style="list-style-type: none">Connect terminal 5 to the negative battery terminal.Connect terminal 7 to the positive battery terminal.	Up

BATTERY CONNECTION	DIRECTION OPERATION
<ul style="list-style-type: none"> Connect terminal 5 to the positive battery terminal. Connect terminal 7 to the negative battery terminal. 	Down
<ul style="list-style-type: none"> Connect terminal 5 to the negative battery terminal. Connect terminal 6 to the positive battery terminal. 	Right
<ul style="list-style-type: none"> Connect terminal 5 to the positive battery terminal. Connect terminal 6 to the negative battery terminal. 	Left

DOOR MIRROR CONTROL SWITCH CONTINUITY CHECK



SWITCH POSITION		TESTER CONNECTION	SPECIFIED CONDITION
OFF		9 – 2, 9 – 3, 9 – 6, 9 – 10, 9 – 11, 1 – 2, 1 – 3, 1 – 6, 1 – 10, 1 – 11	Open circuit
Left side	OFF	9 – 6, 9 – 10, 9 – 11, 1 – 6, 1 – 10, 1 – 11	Open circuit
	Up	1 – 6, 9 – 11	Less than 2 ohms
	Down	1 – 11, 6 – 9	Less than 2 ohms
	Right	1 – 6, 9 – 10	Less than 2 ohms
	Left	1 – 10, 6 – 9	Less than 2 ohms
Right side	OFF	9 – 2, 9 – 3, 9 – 6, 1 – 2, 1 – 3, 1 – 6	Open circuit
	Up	1 – 6, 3 – 9	Less than 2 ohms
	Down	1 – 3, 6 – 9	Less than 2 ohms
	Right	1 – 6, 2 – 9	Less than 2 ohms
	Left	1 – 2, 6 – 9	Less than 2 ohms

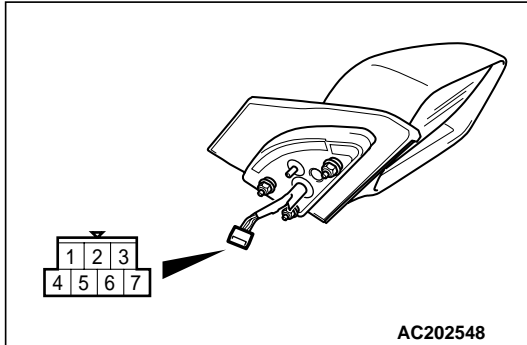
HEATED DOOR MIRROR CHECK

⚠ CAUTION

When relocating the car between locations with extremely different temperatures (warm and cold), leave the car in the location for a while to adapt to the temperature prior to checking it.

The resistance value between door mirror connector terminals 1 and 4 should meet the standard value with the ambient temperature at a steady 25°C (77°F).

Standard value: 5.9 – 7.8 Ω



SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

M1511015300213

ITEM	SPECIFICATION
Front bumper	
License plate screw	0.8 ± 0.1 N·m (7 ± 1 in-lb)
Windshield wiper and washer	
Wiper arm and blade assembly nut	13 ± 2 N·m (111 ± 22 in-lb)
Wiper link assembly bolt	7.4 ± 1.4 N·m (65 ± 13 in-lb)
Wiper motor bolt	8.9 ± 1.9 N·m (79 ± 17 in-lb)
Washer tank bolt and nut	11 ± 2 N·m (89 ± 17 in-lb)
Rear wiper and washer	
Nozzle and collar assembly nut	9.8 ± 2.0 N·m (87 ± 17 in-lb)
Wiper arm and blade assembly nut	7.4 ± 1.4 N·m (65 ± 13 in-lb)
Wiper motor bolt	7.4 ± 1.4 N·m (65 ± 13 in-lb)

SERVICE SPECIFICATIONS

M1511000300239

ITEM	STANDARD VALUE
Windshield wiper blade park position mm (in)	34 ± 5 (1.3 ± 0.20)
Rear wiper blade park position mm (in)	38 ± 5 (1.5 ± 0.20)

ADHESIVES

M1511000500222

ITEM	SPECIFICATION
Side air dam assembly	Adhesive tape: Double-sided tape 5 mm (0.20 in) width and 0.8 mm (0.03 in) thickness
Rear spoiler assembly	Adhesive tape: Double-sided tape 3 mm (0.12 in) thickness

COMPONENT IDENTIFICATIONS

M1511019000010

APPLICABLE LOCATION	IDENTIFICATION COLOR
Drip molding clip A	Yellow
Drip molding clip B	Blue
Drip molding clip C	Milky white
Front drip molding clip A	Orange
Front drip molding clip B	Purple
Front drip molding clip C	Blue
Rear drip molding clip	Gray