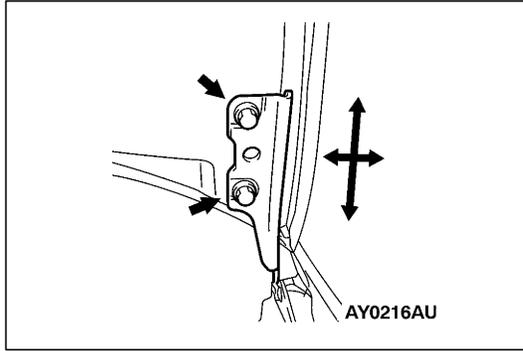


BODY

CONTENTS

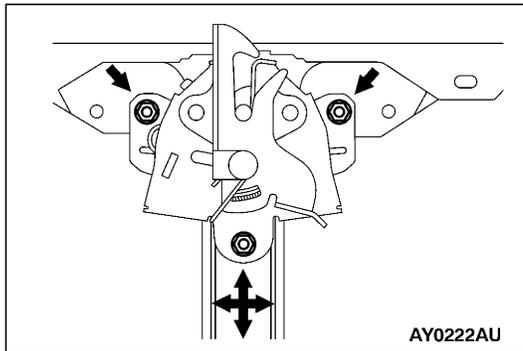
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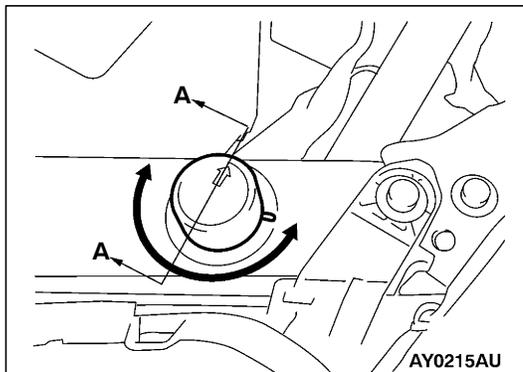
HOOD

ON-VEHICLE SERVICE

ADJUSTMENT OF CLEARANCE AROUND HOOD



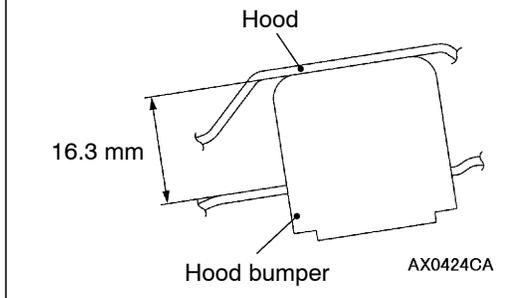
ADJUSTMENT OF ALIGNMENT OF HOOD STEPPED PORTION AND HOOD STRIKER



ADJUSTMENT OF HOOD HEIGHT

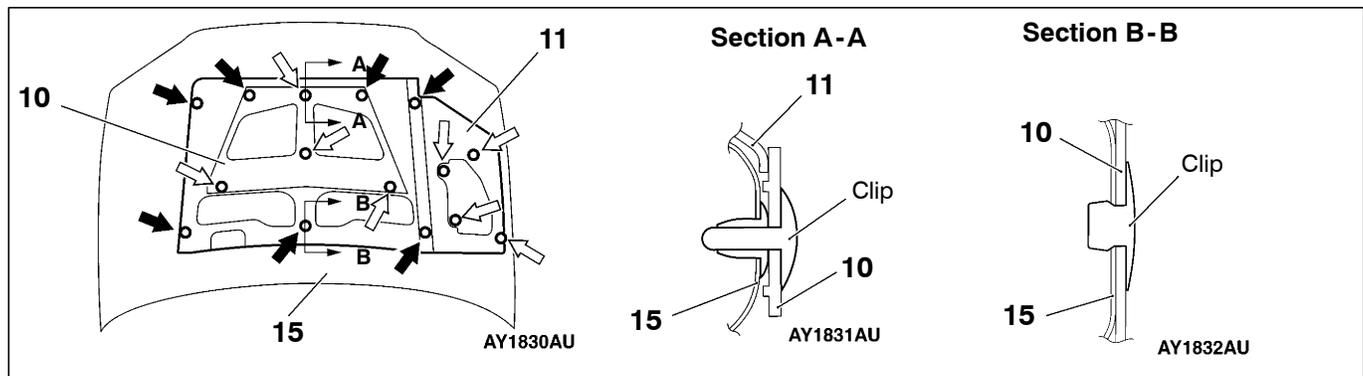
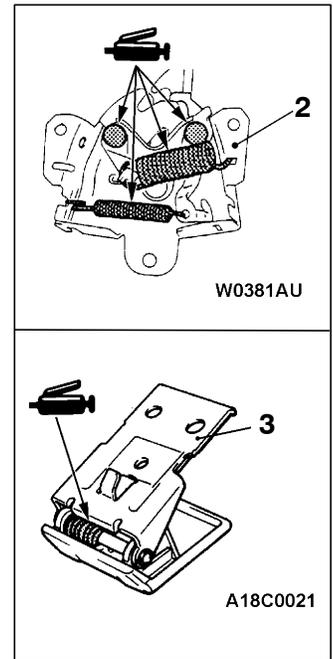
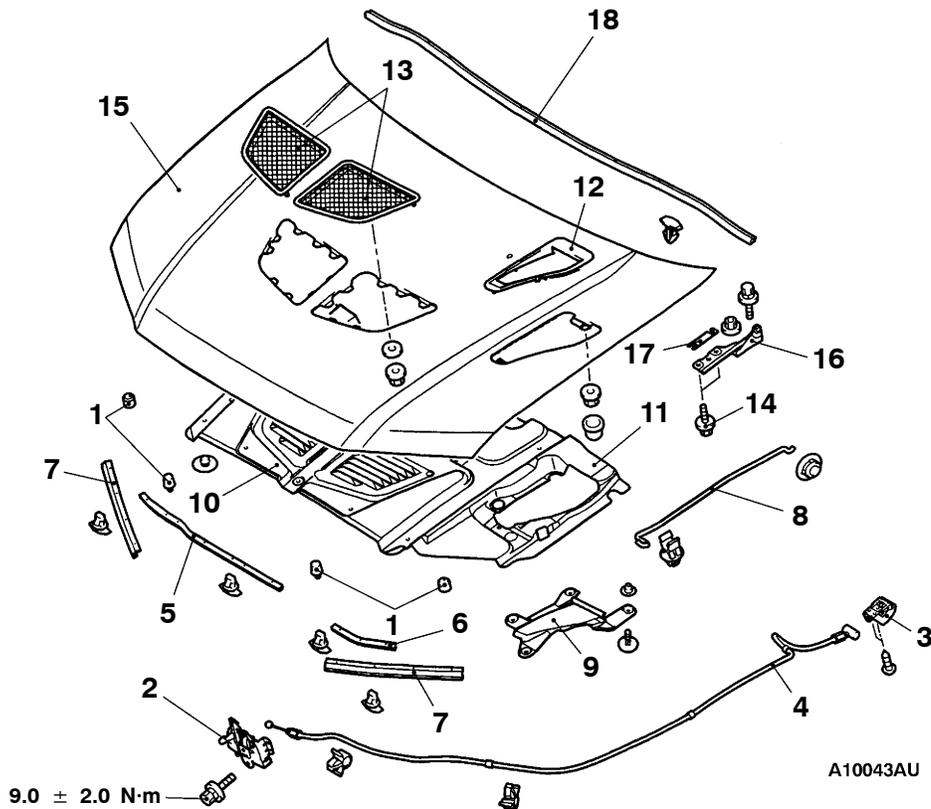
With the marker as guide, turn the hood bumper to adjust the hood height. The hood bumper height changes approx. 3mm (new hood bumper with one complete turn).

Section A-A



HOOD

REMOVAL AND INSTALLATION



Remarks

↔ and ← indicate the clip position.

1. Hood bumper

Hood lock release cable removal steps

- Front bumper assembly (Refer to GROUP 51.)
- Splash shield (Refer to P.42-5.)

2. Hood latch
3. Hood lock release handle
4. Hood lock release cable

Hood removal steps

5. Hood weather strip <Right side>
6. Hood weather strip <Left side>

7. Head lamp weather strip

8. Hood support rod

9. Hood inlet garnish lower

10. Heat protector panel

11. Hood insulator

- Washer hose and nozzle connection (Refer to GROUP51.)

12. Hood inlet garnish upper

13. Hood outlet garnish

▶A◀ 14. Hood hinge bolt (hood side)

15. Hood

16. Hood hinge

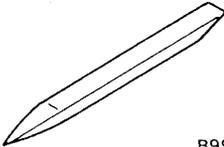
17. Shim

18. Hood weather strip

REMOVAL SERVICE POINTS**▶A◀ HOOD HINGE BOLT INSTALLATION****Caution**

Use the special parts as the aluminum hood uses special coatings on the <hood side> of the hood hinge bolt.

FENDER**SPECIAL TOOLS**

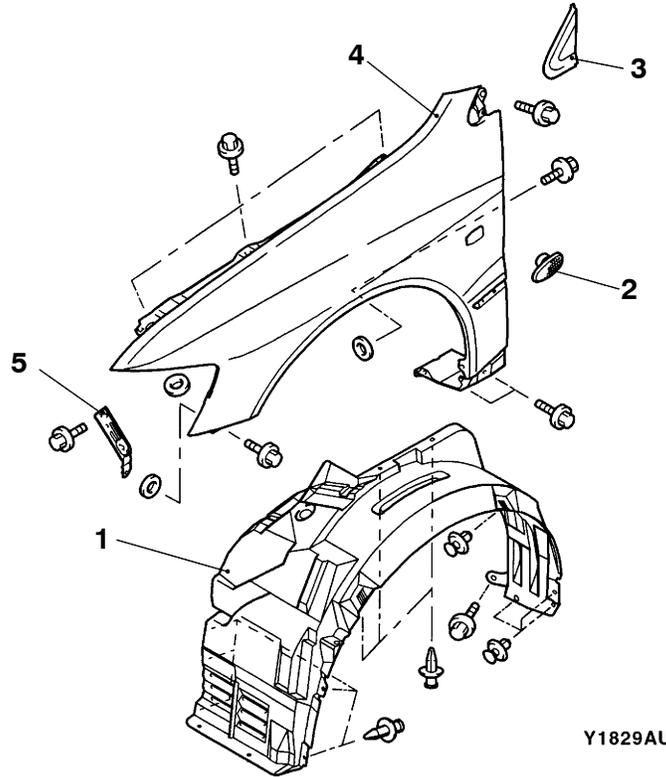
Tool	Number	Name	Use
 8990784	MB990784	Ornament remover	Side turn signal lamp removal

FENDER

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operations

- Front Bumper Removal and Installation (Refer to GROUP 51.)
- Front Deck Garnish Removal and Installation (Refer to GROUP 51.)



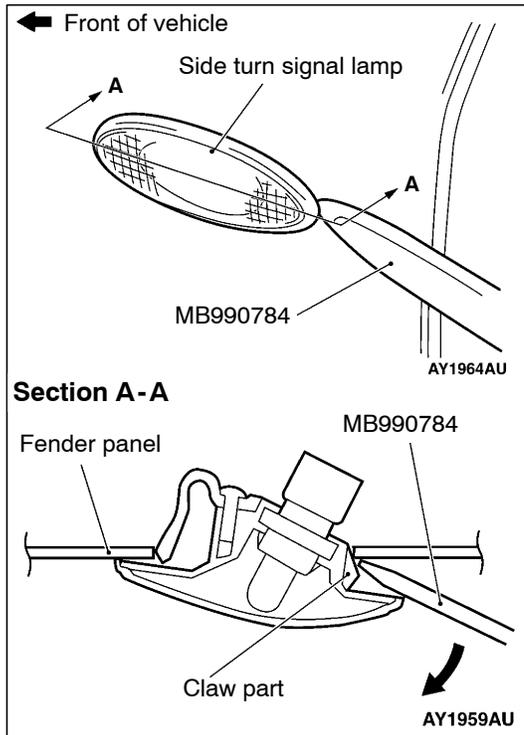
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Removal steps

- Side air dam (Refer to GROUP 51.)
1. Splash shield
 2. Side turn signal lamp (Refer to GROUP 54A.)



3. Deck garnish (Refer to GROUP 51-Windshield Wiper and Washer)
4. Fender
5. Front fender bracket



REMOVAL SERVICE POINTS

◀A▶ SIDE TURN SIGNAL LAMP REMOVAL

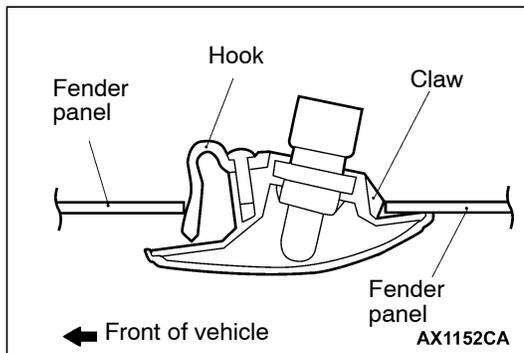
Use the special tool to release the claw part of the fender panel and remove the side turn signal lamp.

INSTALLATION SERVICE POINT

▶A◀ FENDER INSTALLATION

Caution

Use the special parts as the aluminum fender uses special coatings on the fender mounting bolt and the washer.



▶B◀ SIDE TURN SIGNAL LAMP INSTALLATION

Engage the hook into the fender panel, and then install the side turn signal lamp.

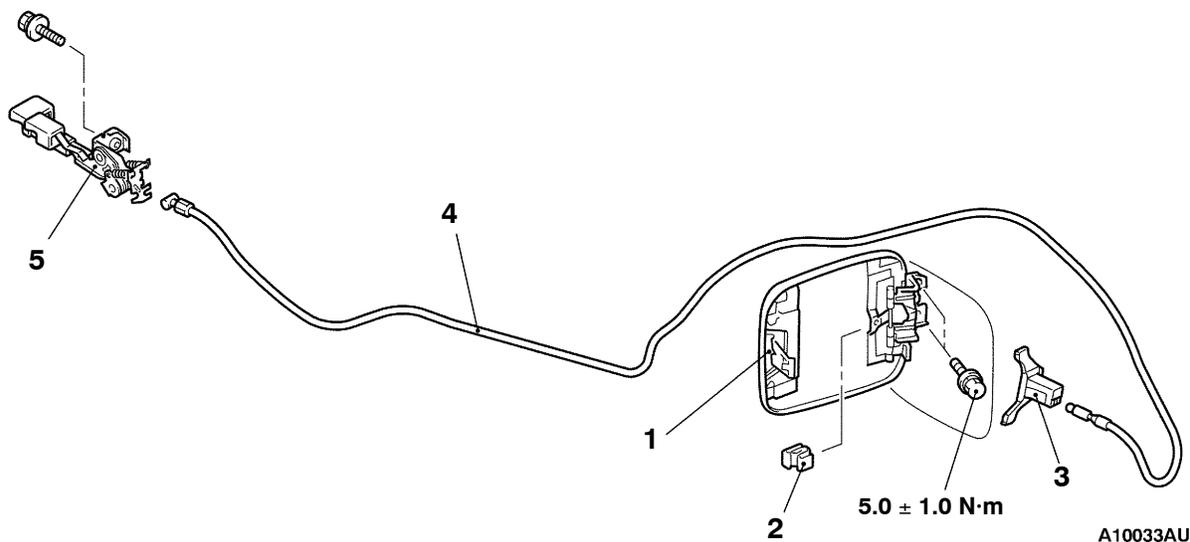
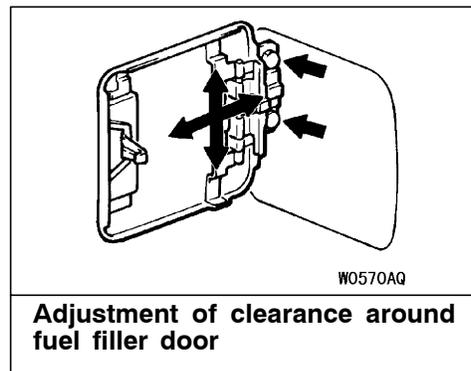
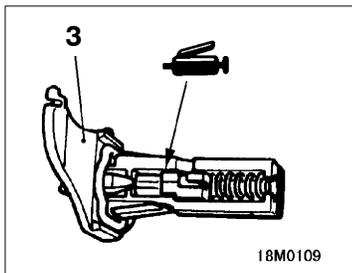
FUEL FILLER DOOR

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operations

- Rear Seat Removal and Installation. (Refer to GROUP 52A.)
- Front Scuff Plate (Driver's Side), Rear Scuff Plate

(Driver's Side), Center Pillar Lower Trim (Driver's Side), Quarter Trim (Driver's Side) Removal and Installation (Refer to GROUP 52A – Trim.)

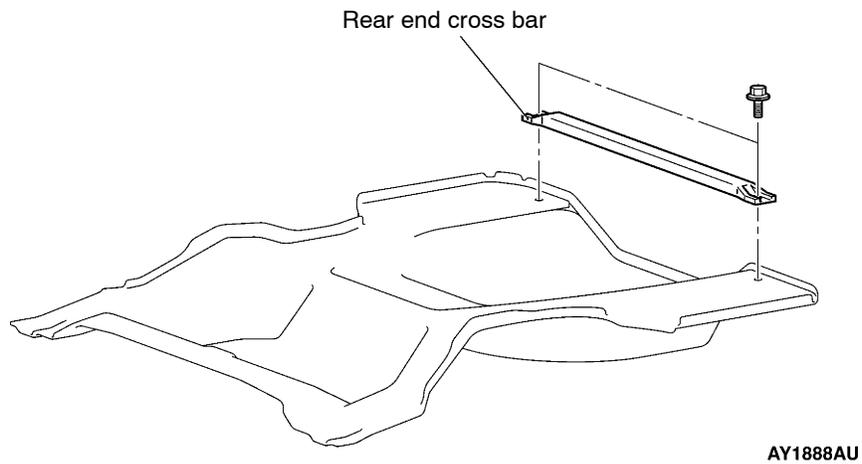
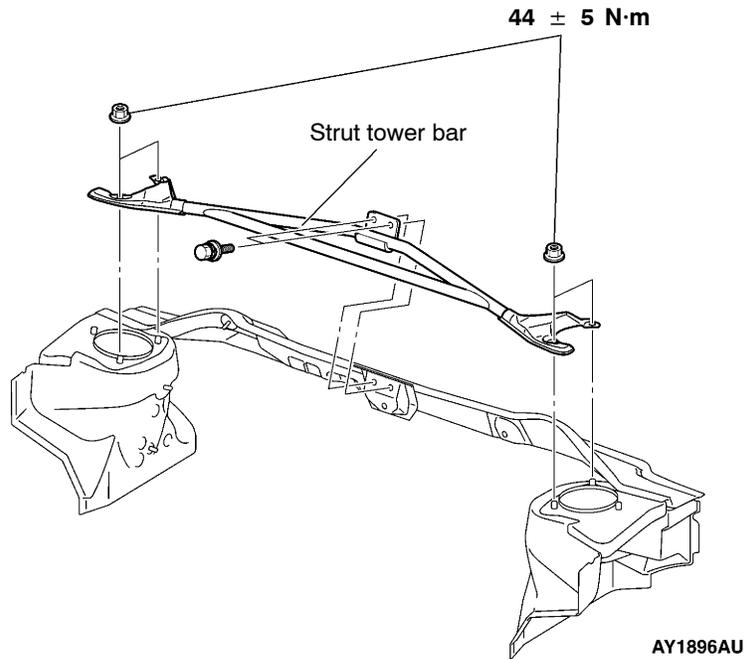


Removal steps

1. Fuel filler door panel assembly
2. Clip
3. Fuel filler door hook assembly

4. Fuel filler door lock release cable
5. Fuel filler door lock release handle

STRUT TOWER BAR AND REAR END CROSS BAR REMOVAL AND INSTALLATION

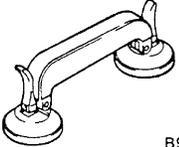
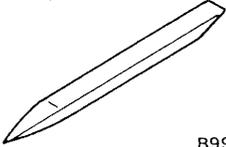


WINDOW GLASS

ADHESIVE

Items	Specified adhesive
Windshield	3M ATD Part No. 8609 Super Fast Urethane Auto Glass Sealant or equivalent
Rear window glass	

SPECIAL TOOLS

Tool	Number	Name	Use
 B990480	MB990480	Window glass holder	Removal and Installation of Window Glass
 B990784	MB990784	Ornament remover	Rear Window Lower Molding Removal

WINDOW REPAIR

The following glass parts are installed with a liquid urethane adhesive method:

- Windshield
- Rear window glass

ITEMS NEEDED

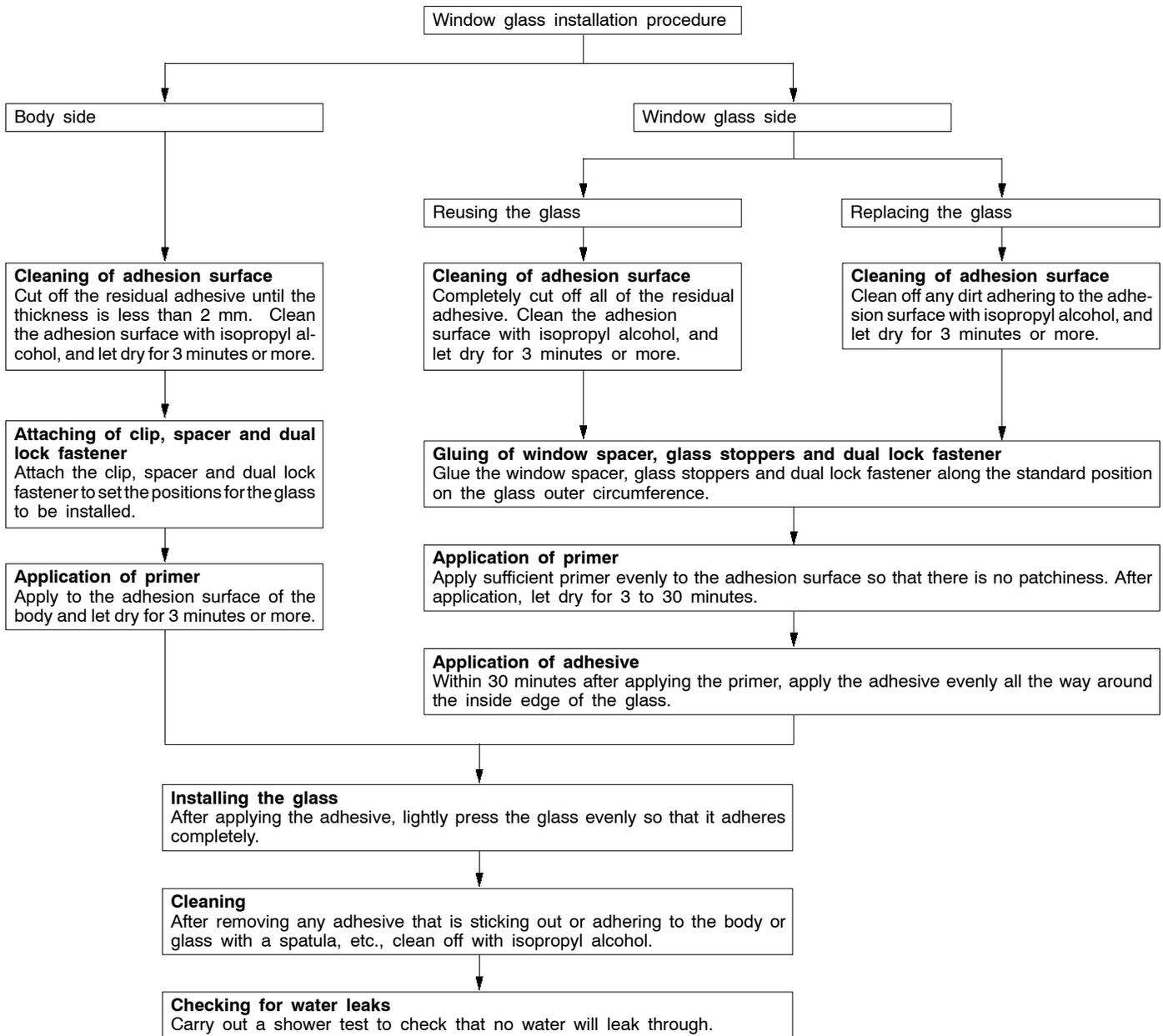
Name	Remarks
Adhesive	3M ATD Part No. 8609 Super Fast Urethane Auto Glass Sealant or equivalent
Primer	3M ATD Part No. 8608 Super Fast Urethane Primer or equivalent
Spacers	Available as service part
Dam	Available as service part
Anti-rust solvent (or Tectyl 506T...Valvoline Oil Company)	For rust prevention
Isopropyl alcohol	For grease removal from bonded surface
Steel piano wire	Dia. y length...0.6mm 1m For cutting adhesive
Adhesive gun	For pressing-out adhesive

HANDLING OF AUTO WINDOW SEALER

Keep the sealant in a cool place, not exposed to the direct rays of the sun. Do not place any heavy article on the sealant nor press it, otherwise it will become deformed. Avoid storing the sealant for more than 6 months, because it will lose its sealing effect.

BODY PINCH-WELD FLANGE SERVICING

Before servicing the body pinch-weld flange, remove old adhesive completely. If the flange requires painting, bake it after painting is completed.

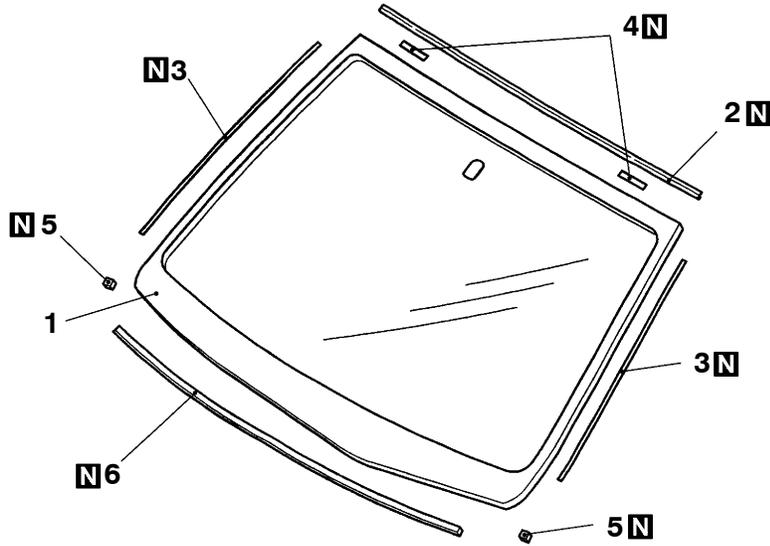
WORKING PROCESS

WINDSHIELD

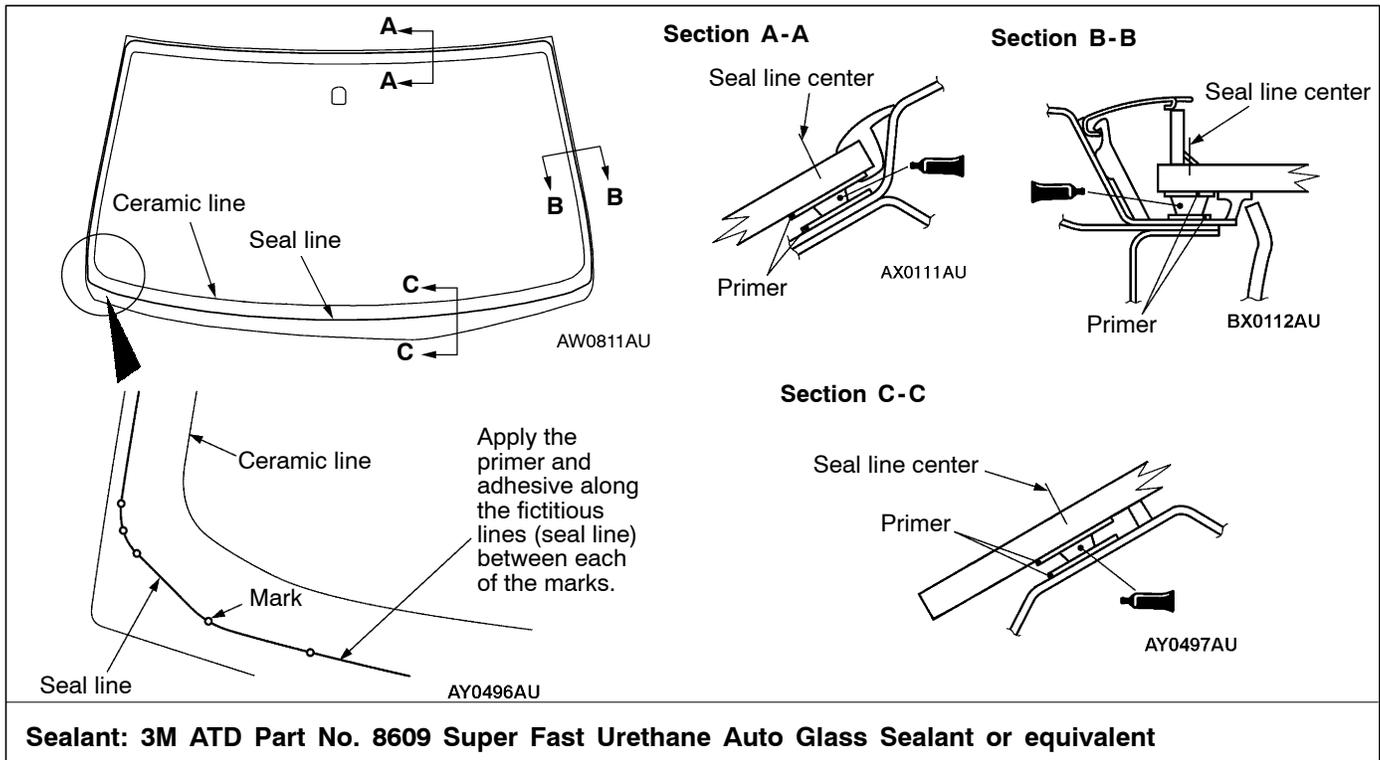
REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operations

- Deck Garnish Removal and Installation (Refer to GROUP 51-Windshield Wiper and Washer.)
- Front Pillar Trim Removal and Installation (Refer to GROUP 52A.)
- Headlining Removal and Installation



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Sealant: 3M ATD Part No. 8609 Super Fast Urethane Auto Glass Sealant or equivalent

Removal steps

- Roof drip molding (Refer to GROUP 51.)
1. Windshield
 2. Windshield molding

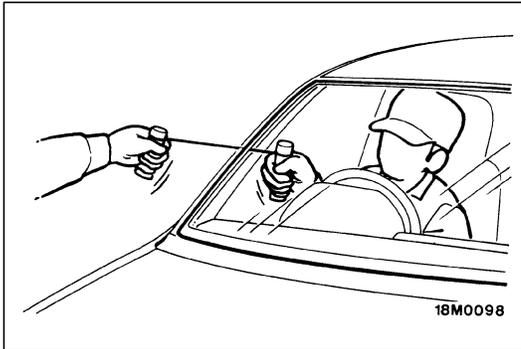


- ▶▶A◀◀ 3. Window dam
- ▶▶A◀◀ 4. Glass stopper
- ▶▶A◀◀ 5. Spacer
- ▶▶A◀◀ 6. Windshield spacer

REMOVAL SERVICE POINTS

◀A▶ WINDSHIELD AND WINDSHIELD MOLDING REMOVAL

1. In order to protect the body (paint surface), apply cloth tape to all body areas around the installed windshield.
2. Use any of the following methods to cut off adhesive.

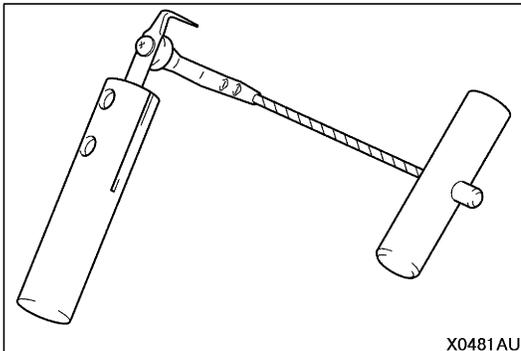


<Using the piano wire>

- (1) Using a sharp-point drill, make hole in the windshield adhesive.
- (2) Pass the piano wire from the inside of the vehicle through the hole.
- (3) Pull the piano wire alternately from the inside and outside along the windshield to cut the adhesive.

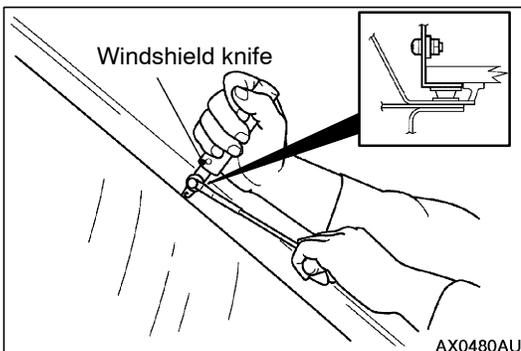
Caution

Do not let the piano wire touch the edge of the windshield.



<Using the windshield knife>

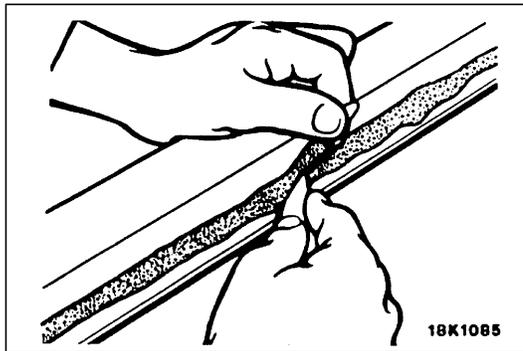
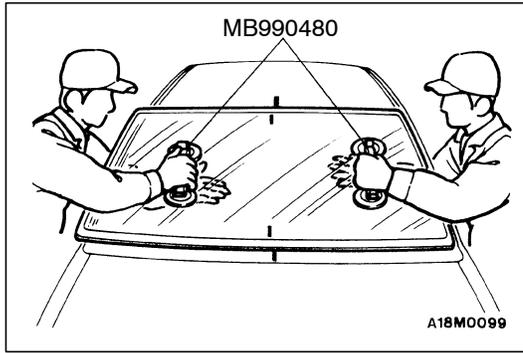
- (1) Prepare a windshield knife.



- (2) Align the windshield knife blade with the windshield surface and the windshield edge while maintaining an angle of 90 degrees between the windshield knife blade and the windshield edge, and then cut off adhesive by knifing parallel with the windshield edge.

Caution

Prying with a windshield knife could damage the windshield.



3. Make alignment marks on the windshield and body.
4. Use the special tool to remove the windshield.

5. Use a knife to cut away remaining adhesive to 2 mm thick or less around the entire circumference of the body flange.
6. Smooth the flange surface.

Caution

- (1) Use care not to remove more adhesive than necessary, or the adhesive could weaken.
 - (2) Be careful also not to damage the paintwork on the body surface with the knife. If the paintwork is damaged, repair the damaged area with repair paint or anti-rust agent.
7. When reusing windshield, remove the remaining adhesive on the windshield completely. Then, decrease the windshield with isopropyl alcohol.
 8. Decrease the body flange in the same way.

Caution

Before the next job, leave the decreased parts for 3 minutes or more to dry. Also, do not touch any cleaned surface.

INSTALLATION SERVICE POINTS

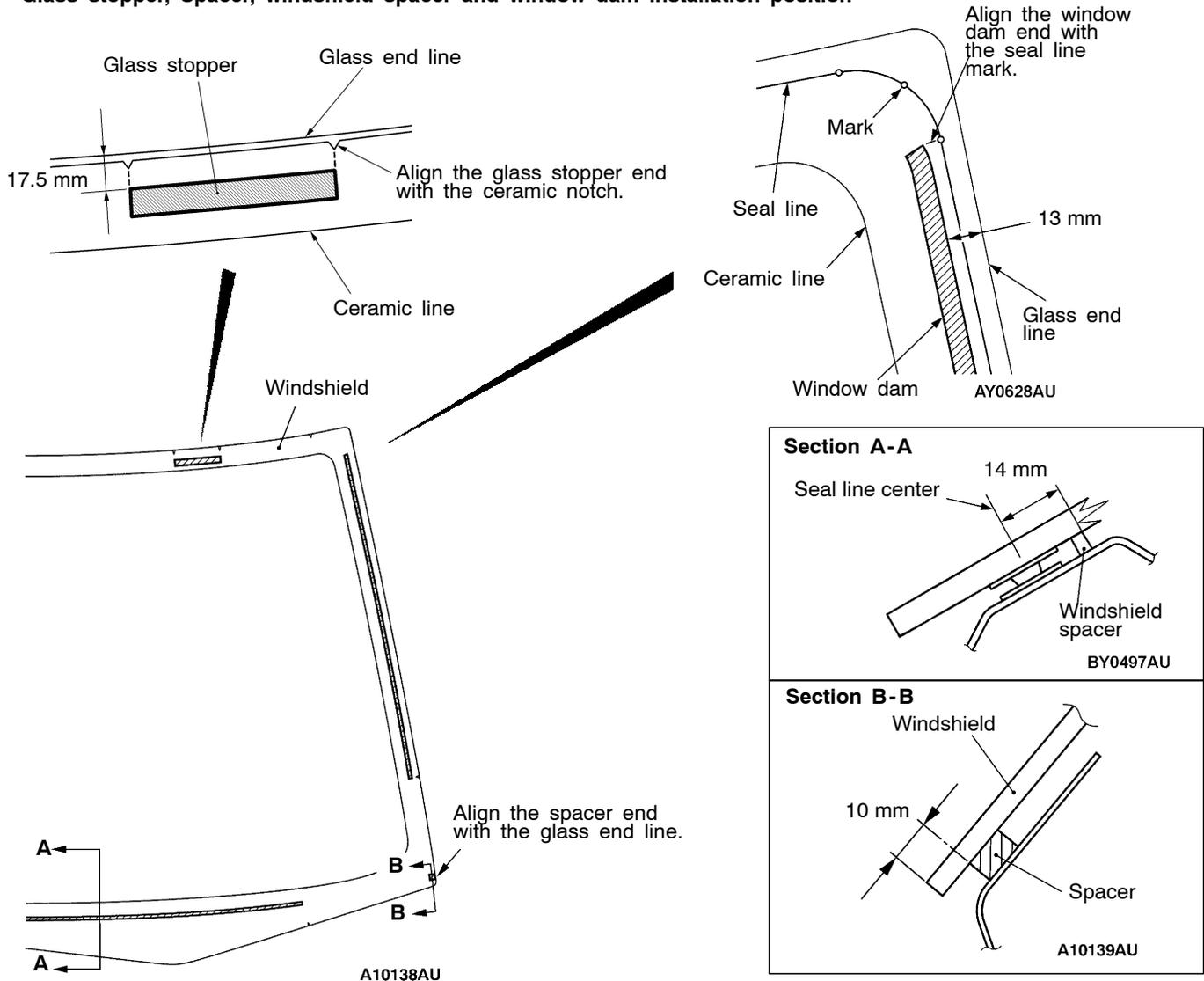
▶ A ◀ WINDSHIELD SPACER/SPACER/GLASS STOPPER/WINDOW DAM/WINDSHIELD MOLDING/WINDSHIELD INSTALLATION

1. When replacing the windshield, first align it with the body, and then matchmark them.
2. Use isopropyl alcohol to clean the inside edge of the windshield and the body flange.
3. Use a primer dampened to apply to the specified area around the windshield and the body evenly.
4. After applying the primer, let it dry for at least 3 minutes.

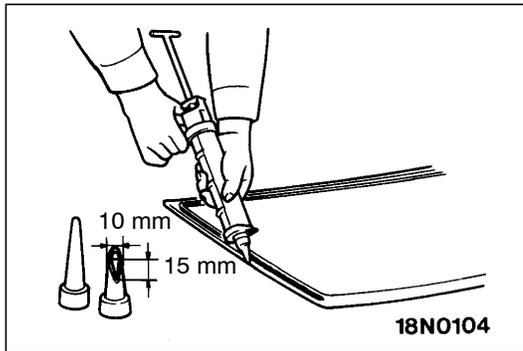
Caution

- (1) **The primer strengthens the adhesive effect, so that be sure to apply it. However, an excessively thick application will weaken the adhesive effect.**
 - (2) **Never touch the primer-applied surface.**
5. Ensuring that there are no bends or warpages inside the windshield, position the glass stopper and spacer and windshield spacer on the specified position.

Glass stopper, Spacer, windshield spacer and window dam installation position



6. Install the windshield molding.



7. Within thirty minutes after the primer application, fill a sealant gun with the adhesive, and then apply the adhesive evenly around the windshield.

NOTE

Cut the tip of the sealant gun nozzle into a V shape to simplify adhesive application.

8. After applying adhesive, align the mating marks on the windshield and the body, and then lightly press the windshield evenly so that it adheres completely.
9. After removing any adhesive that is sticking out or adhering to the windshield or body with spatula, etc., clean with isopropyl alcohol. Install the windshield molding before the adhesive sets. After the windshield is installed, wait until the adhesive sets.
10. Adhere the windshield to the body, and install the roof drip molding (Refer to GROUP 51.) promptly before the adhesive sets.
11. After adhering the windshield to the body, wait 30 minutes or more, and then test for water leakage.

Caution

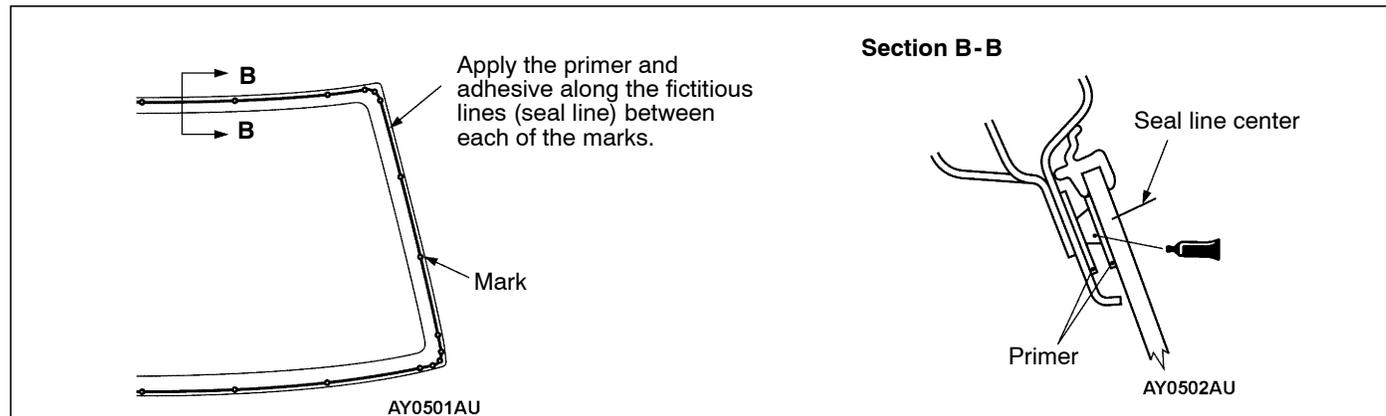
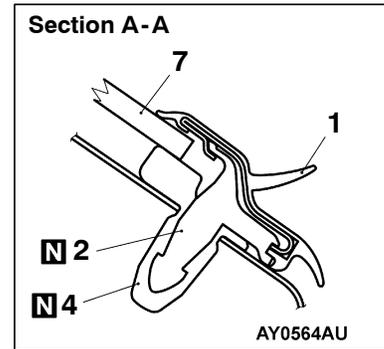
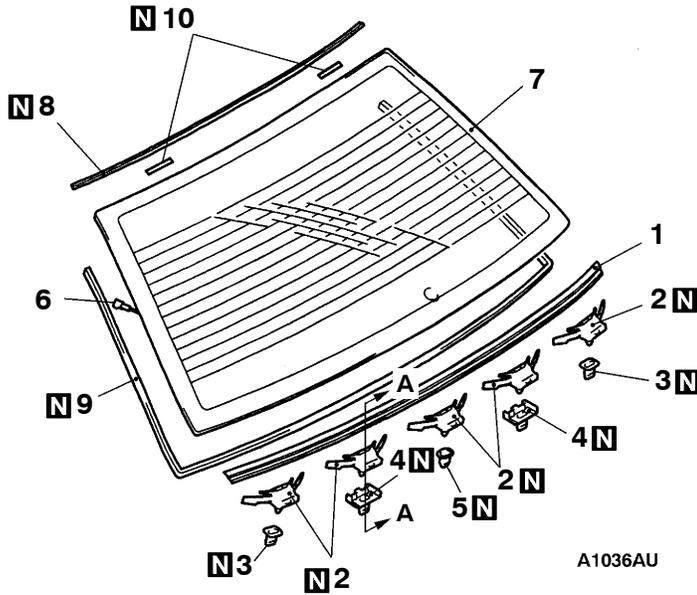
- (1) Move the vehicle carefully.
- (2) When testing for water leakage, do not pinch the end of the hose to spray the water.

REAR WINDOW GLASS

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operations

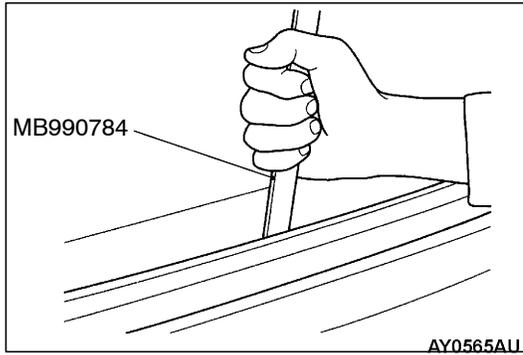
- Rear Pillar Trim Removal and Installation (Refer to GROUP 52A.)
- Headlining Removal and Installation
- Rear Shelf Trim Removal and Installation (Refer to GROUP 52A.)
- High Mount Stop Lamp Assembly Removal and Installation (Refer to GROUP 54A)



Sealant: 3M ATD Part No. 8609 Super Fast Urethane Auto Glass Sealant or equivalent

Removal steps

- Roof drip molding (Refer to GROUP 51.)
- | | | | |
|----------------|---|----------------|---|
| <p>◀A▶ ▶B▶</p> | <ol style="list-style-type: none"> 1. Rear window lower molding 2. Clip 3. Grommet A 4. Grommet B | <p>◀B▶ ▶A▶</p> | <ol style="list-style-type: none"> 5. Grommet C 6. Connecting the harness connector 7. Rear window glass 8. Rear window upper molding 9. Window dam 10. Glass stopper |
|----------------|---|----------------|---|



REMOVAL SERVICE POINTS

◀A▶ REAR WINDOW LOWER MOLDING REMOVAL

Pry the rear window lower molding off with the special tool.

Caution

Do not use a deformed molding.

◀B▶ REAR WINDOW GLASS REMOVAL

Remove the rear window glass in the same manner as for the windshield. (Refer to P42-12.)

INSTALLATION SERVICE POINTS

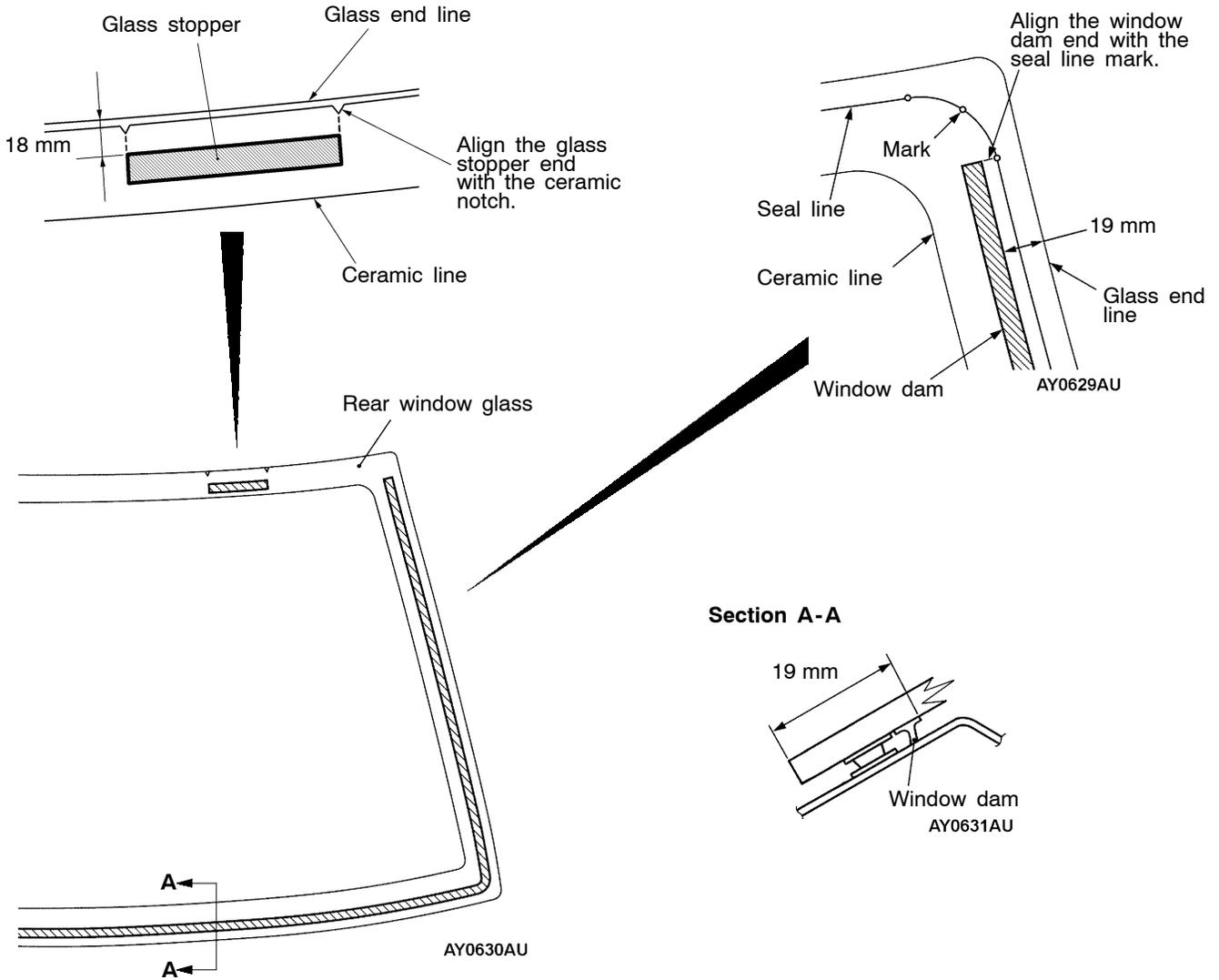
▶A◀ GLASS STOPPER/WINDOW DAM/REAR WINDOW UPPER MOLDING/REAR WINDOW GLASS INSTALLATION

1. When replacing the rear window glass, first align it with the body, and then matchmark them.
2. Use isopropyl alcohol to clean the inside edge of the rear window glass and the body flange.
3. Use a primer dampened sponge to apply the primer to the specified area around the rear window glass and the body evenly.
4. After applying the primer, let it dry for at least 3 minutes.

Caution

- (1) **The primer strengthens the adhesive effect, so that be sure to apply it. However, a too thick application will weaken the adhesive effect.**
 - (2) **Never touch the primer-applied surface.**
5. Position the glass stopper and the window dam in the specified position, ensuring that there are no bends or warpages inside the rear window glass.

Glass stopper and window dam installation position



6. Install the rear window upper molding.
7. Install the glass by the same procedure as for the windshield. (Refer to P.42-14.)

►B◄ REAR WINDOW LOWER MOLDING INSTALLATION

Install the clip into the rear window lower molding, and then install the rear window lower molding in the body.

DOORS

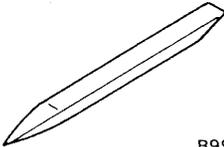
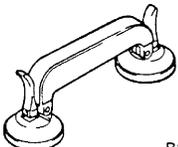
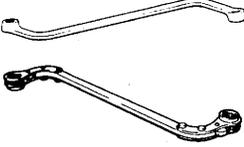
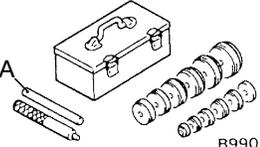
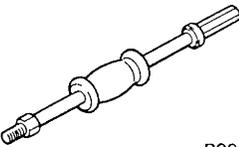
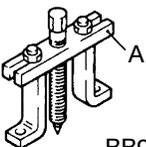
SERVICE SPECIFICATIONS

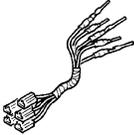
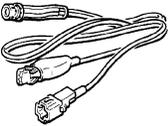
Items	Standard value	
Door outside handle play mm	Front	2.3 ± 2.1
	Rear	1.3 ± 1.7
Power window operating current (power supply 14.5 ± 0.5 V, 25°C) A	5 ± 1	
Door inside handle play mm	Front	9.6 ± 9.2
	Rear	9.0 ± 9.2

ADHESIVE

Items	Specified sealant	Remark
Waterproof film	3M ATD Part No. 8625 or equivalent	Ribbon sealer

SPECIAL TOOLS

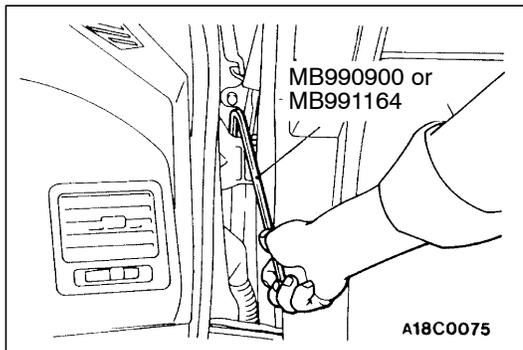
Tool	Number	Name	Use
 B990784	MB990784	Ornament remover	Door trim removal
 B990480	MB990480	Window glass holder	Removal of power window regulator and motor assembly
 00003936	MB990900 or MB991164	Door hinge adjusting wrench	Adjustment of door fit
 B990925	MB990925 A: MB990939	Bearing & oil seal installer set A: Brass bar	Adjustment of door striker
 B990211	MB990211	Slide hammer	
 BB990241	MB990241 A: MB990243	Axle shaft puller A: Body puller	

Tool	Number	Name	Use
<p>A</p>  <p>B</p>  <p>C</p>  <p>D</p>  <p>C991223</p>	<p>MB991223 A: MB991219 B: MB991220 C: MB991221 D: MB991222</p>	<p>Harness set A: Test harness B: LED harness C: LED harness adapter D: Probe</p>	<p>Terminal voltage measurement A: Connector pin contact pressure check B: Power circuit check C: Power circuit check D: Commercial tester connection</p>

TROUBLESHOOTING

DIAGNOSIS FUNCTION

The power window and central door locking is controlled by the Smart Wiring System (SWS). For troubleshooting, refer to GROUP 54B - Troubleshooting.



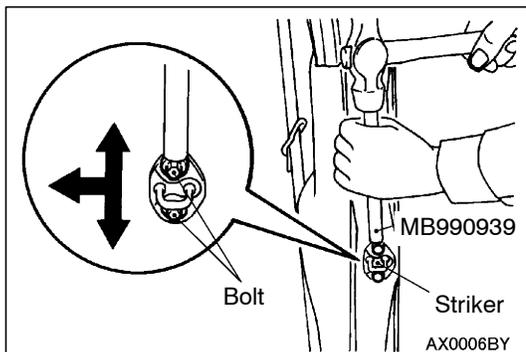
ON-VEHICLE SERVICE

DOOR ADJUSTMENT

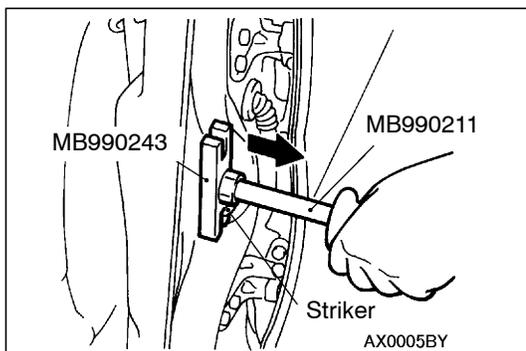
1. If the gap between the door and body is inconsistent, paste protection tape at the fender around the hinge attached portion and at the door edge, use the special tool to loosen the bolt fixing the door hinge at the body side, and move the door to adjust so that the gap around the door becomes consistent.
2. If steps exist between the door and body, use the special tool to loosen the bolt fixing the door hinge at the door side, and move the door and adjust the alignment of the door surface.

Caution

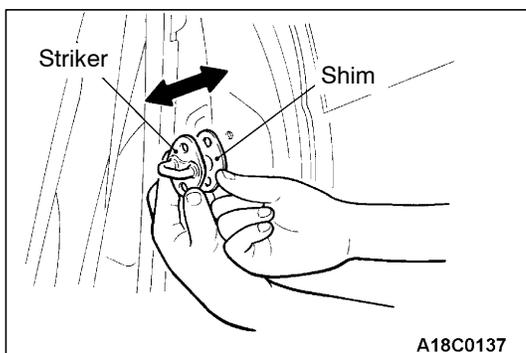
Do not apply torque above 98 N•m for the special tool (MB991164).



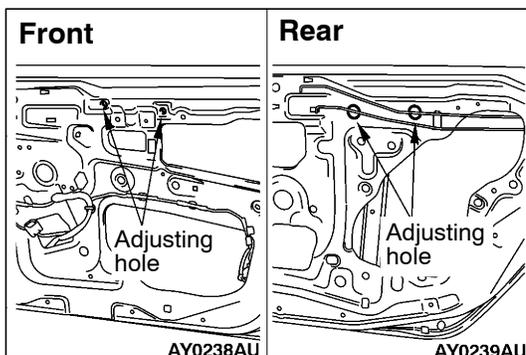
3. If the door does not open and close smoothly
 - (1) Adjustment with the striker (inside the vehicle and up and down directions)
Change the striker fixing bolt to a temporary bolt, and using the special tool (MB990939) and hammer, gently hit the top of the temporary bolt in the direction to be adjusted.



- (2) Adjustment with the striker (outside the vehicle)
Using the special tool (MB990211, MB990243), pull the striker towards the outside of the vehicle and adjust.



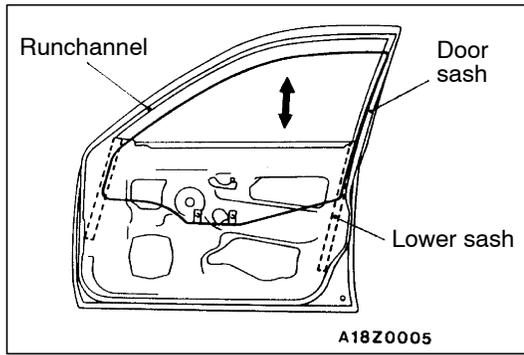
- (3) Adjustment with the shim (to and fro direction)
Adjust the alignment of the door striker and door latch using the shim of the striker attached portion.



DOOR WINDOW GLASS ADJUSTMENT

Check that the door glass operates smoothly and moves along the door glass runchannel when the door window glass is fully raised and fully lowered. If there is a problem, adjust by the following procedure.

1. Remove the door trim, and waterproof film. (P.42-27)
2. With the door window glass fully closed, loosen the screw fixing the door glass from the adjustment hole, and lower the door window glass slightly.
3. Fully close the door window glass again, and tighten the screw fixing the door glass from the adjustment hole.



ADJUSTMENTS AND REPLACEMENT DURING POWER WINDOW MALFUNCTION

If the window glass does not rise but automatically descends, adjust and replace the window glass as follows:

1. Remove the door trim and waterproof film. (P.42-27)
2. Remove the window regulator assembly from the door window glass, and raise and lower the window glass with your hand and check the operating force.

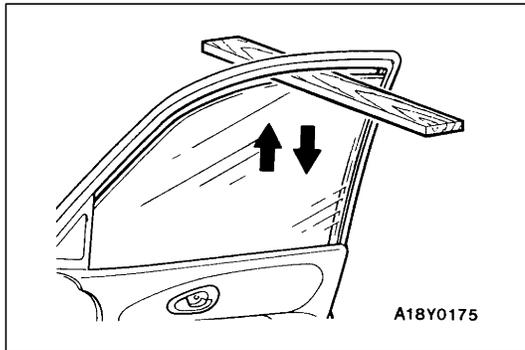
Remarks Insert a cushion, etc. to prevent damage of the glass if it accidentally drops.

3. If the door window glass does not rise and descend smoothly, perform the following check and repair.
 - Check the installation condition of the runchannel.
 - Straighten twist in the door sash.
 - Check the installation condition of the lower sash or the center sash.

NOTE

The lower sash cannot normally be adjusted, but it may be possible to adjust the sash span slightly within the range allowed by manufacturing tolerances by pushing the lower sash outwards while re-installing it.

4. If repair or adjustment is not possible, replace the door assembly.

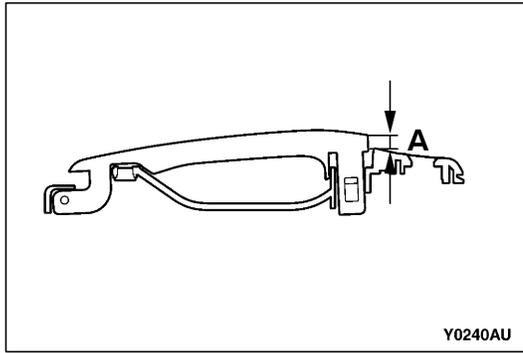


POWER WINDOW SAFETY MECHANISM CHECK

1. Set a wood piece of about 10 mm thick as shown in the figure, and raise the window glass.
2. Check that the window glass descends by about 150 mm when it catches the wood piece. If it does not, perform troubleshooting. (Refer to GROUP 54B.)

POWER WINDOW TIMER FUNCTION CHECK

9Close the door and turn the ignition switch in the OFF position, and then check the power window operates for 30 seconds. If it does not, perform troubleshooting.(Refer to GROUP 54B.)



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DOOR OUTSIDE HANDLE LOOSENESS CHECK

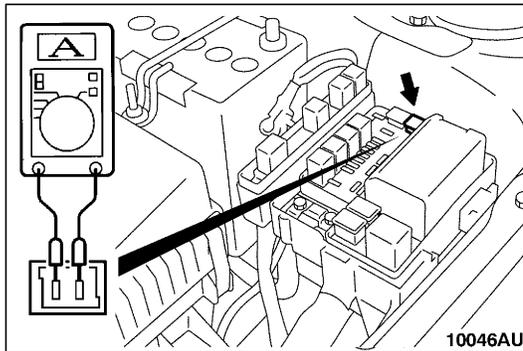
1. Check that the looseness of the door outside handle satisfies the standard value.

Standard value (A):

Front 2.3 ± 2.1 mm

Rear 1.3 ± 1.7 mm

2. Check the door outside handle and door latch assembly. If faulty, replace.



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POWER WINDOW OPERATING CURRENT CHECK

1. Remove the power window fuse, and connect the circuit tester as shown in the figure.
2. When the power window switch is set to the UP side, a large amount of operating current flows when the window is operated or closed. Therefore measure somewhere in between excluding these positions.

Standard value: 5 ± 1 A (Power supply voltage 14.5 ± 0.5 V, 25°C)

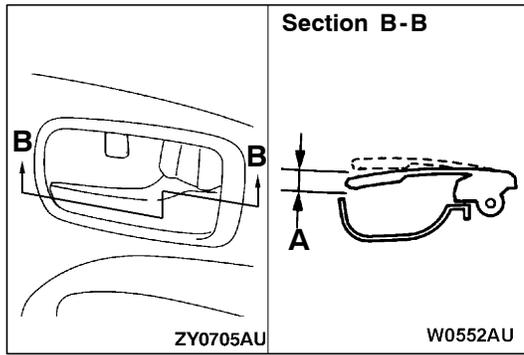
3. If outside the standard value, perform troubleshooting. (Refer to GROUP 54B.)

CIRCUIT BREAKER CHECK (Incorporated in the power window motor)

1. Set the power window switch to the UP side until the window glass closes completely, and continue operating the switch for more than 10 seconds.
2. Release the power window switch at the UP side, and at the same time, press the DOWN side. Under this condition if the window glass starts to lower within 60 seconds, the circuit breaker can be determined as good.

POWER WINDOW CHECK

Check that the power window operates. If it does not, perform troubleshooting. (Refer to GROUP 54B.)



DOOR INSIDE HANDLE LOOSENESS CHECK AND ADJUSTMENT

1. Check that the door inside handle looseness satisfies the standard value.

Standard value (A):

Front 9.6 ± 9.2 mm

Rear 9.0 ± 9.2 mm

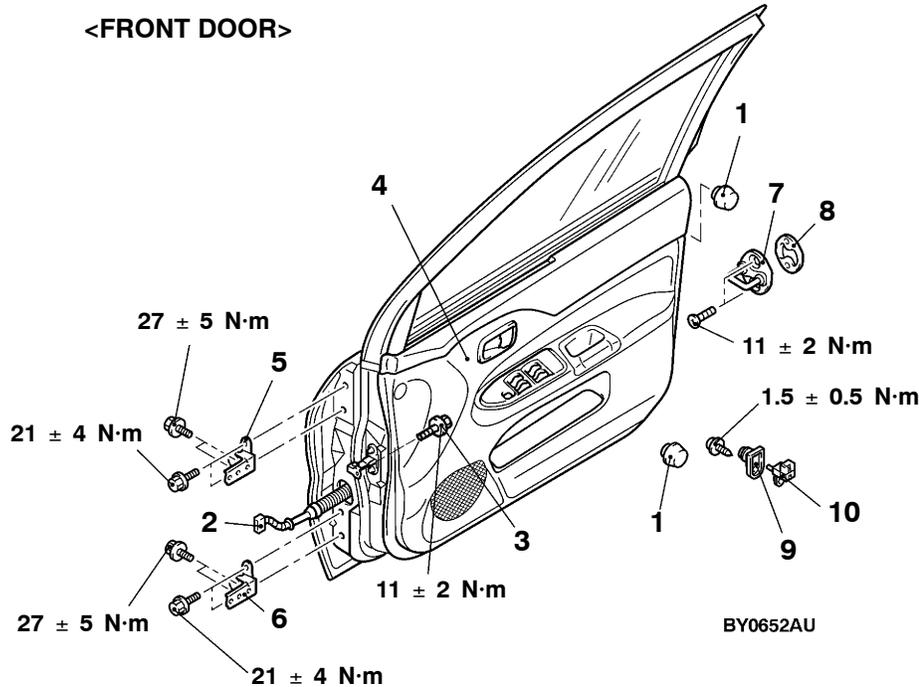
2. If outside the standard value, remove the door trim. (Refer to P.42-27.)
3. Adjust the looseness of the inside handle using the clip joining the inside handle and rod.

DOOR ASSEMBLY

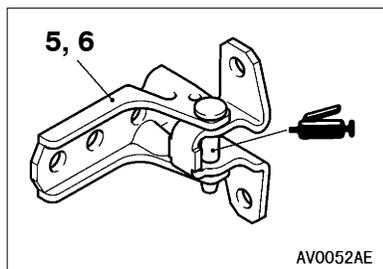
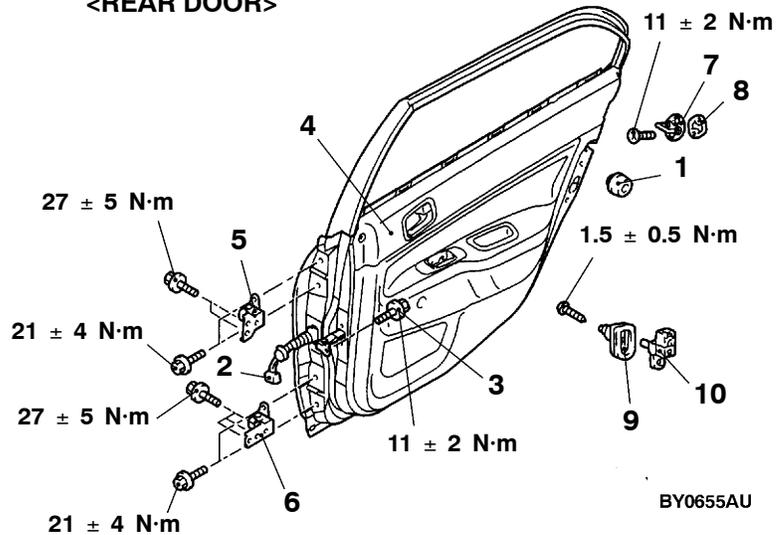
REMOVAL AND INSTALLATION

Post-installation Operation
 Door Adjustment (Refer to P.42-20.)

<FRONT DOOR>

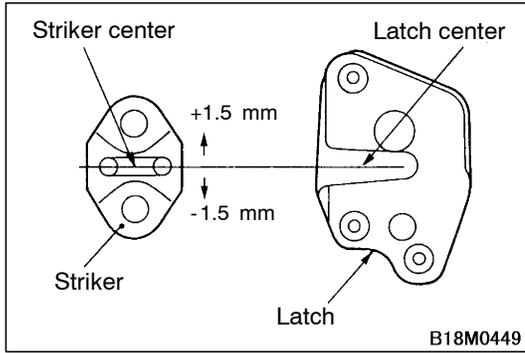


<REAR DOOR>



1. Damper mail
- Door assembly removal steps**
2. Harness connector
 3. Door check connecting bolt
 4. Door assembly
 5. Door upper hinge
 6. Door lower hinge

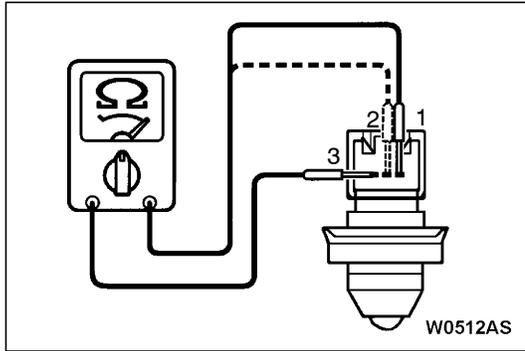
- Striker removal steps**
- ▶A◀
7. Striker
 8. Striker shim
- Door switch removal**
9. Door switch cap
 10. Door switch



INSTALLATION SERVICE POINTS

►A◄ STRIKER INSTALLATION

Align the center of the striker and latch within ± 1.5 mm, and install.



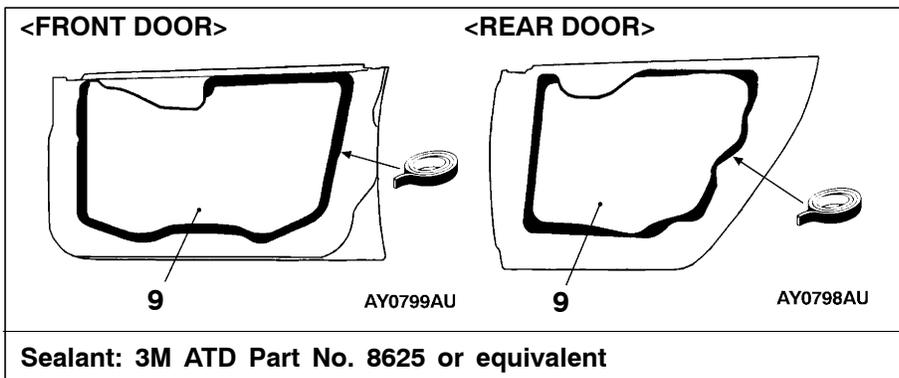
INSPECTION

DOOR SWITCH CONTINUITY CHECK

Switch position	Terminal No.		
	1	2	3
Released (ON)	○	○	○
Depressed (OFF)			

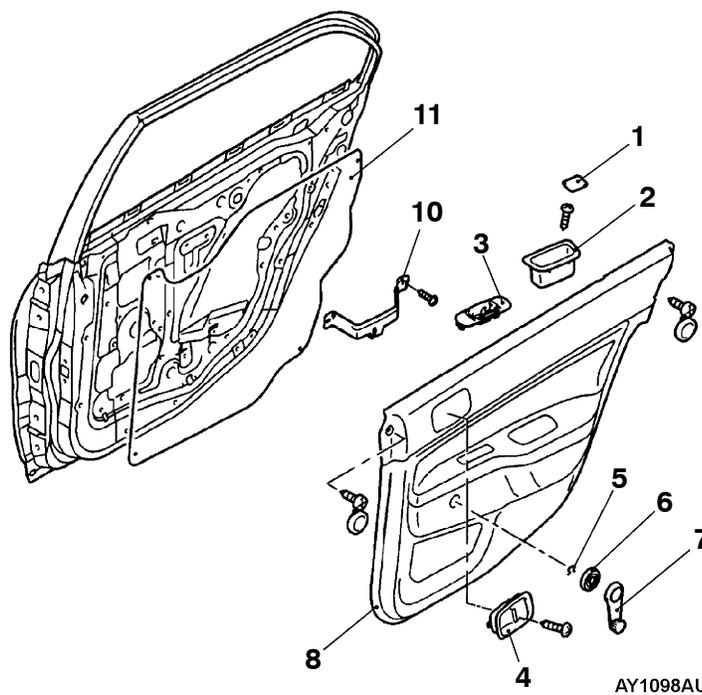
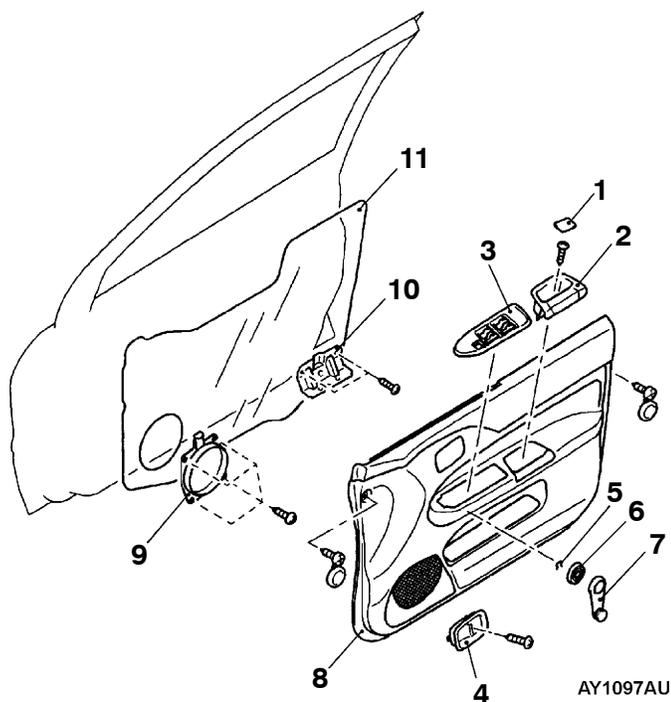
DOOR TRIM AND WATERPROOF FILM

REMOVAL AND INSTALLATION



<FRONT DOOR>

<REAR DOOR>



Removal steps

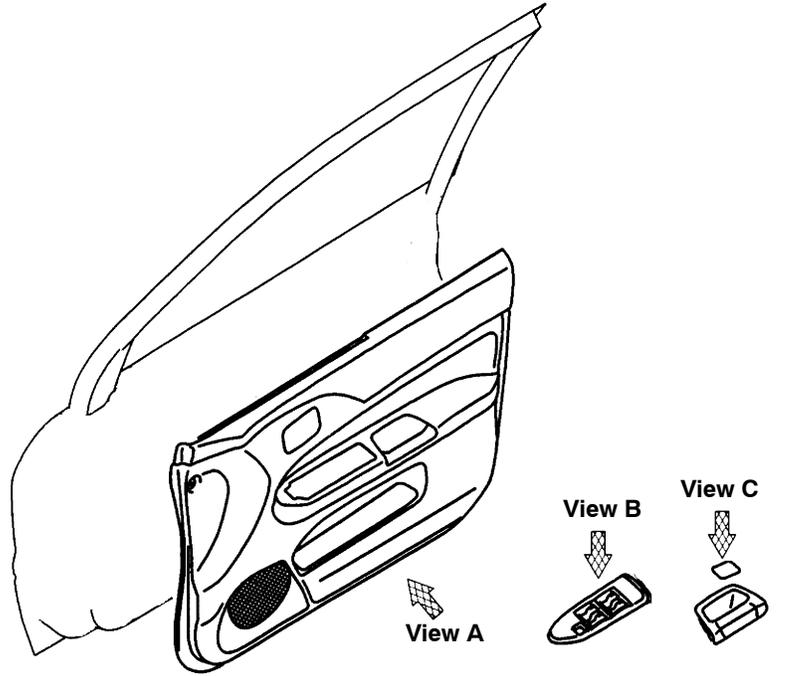
1. Cap
2. Door pull handle
3. Power window switch panel assembly
4. Door inside handle cover
5. Clip <Vehicles without power windows>



6. Escutcheon <Vehicles without power windows>
7. Regulator handle <Vehicles without power windows>
8. Door trim assembly
9. Speaker
10. Power window switch bracket
11. Waterproof film

CLIP AND CLAW POSITIONS

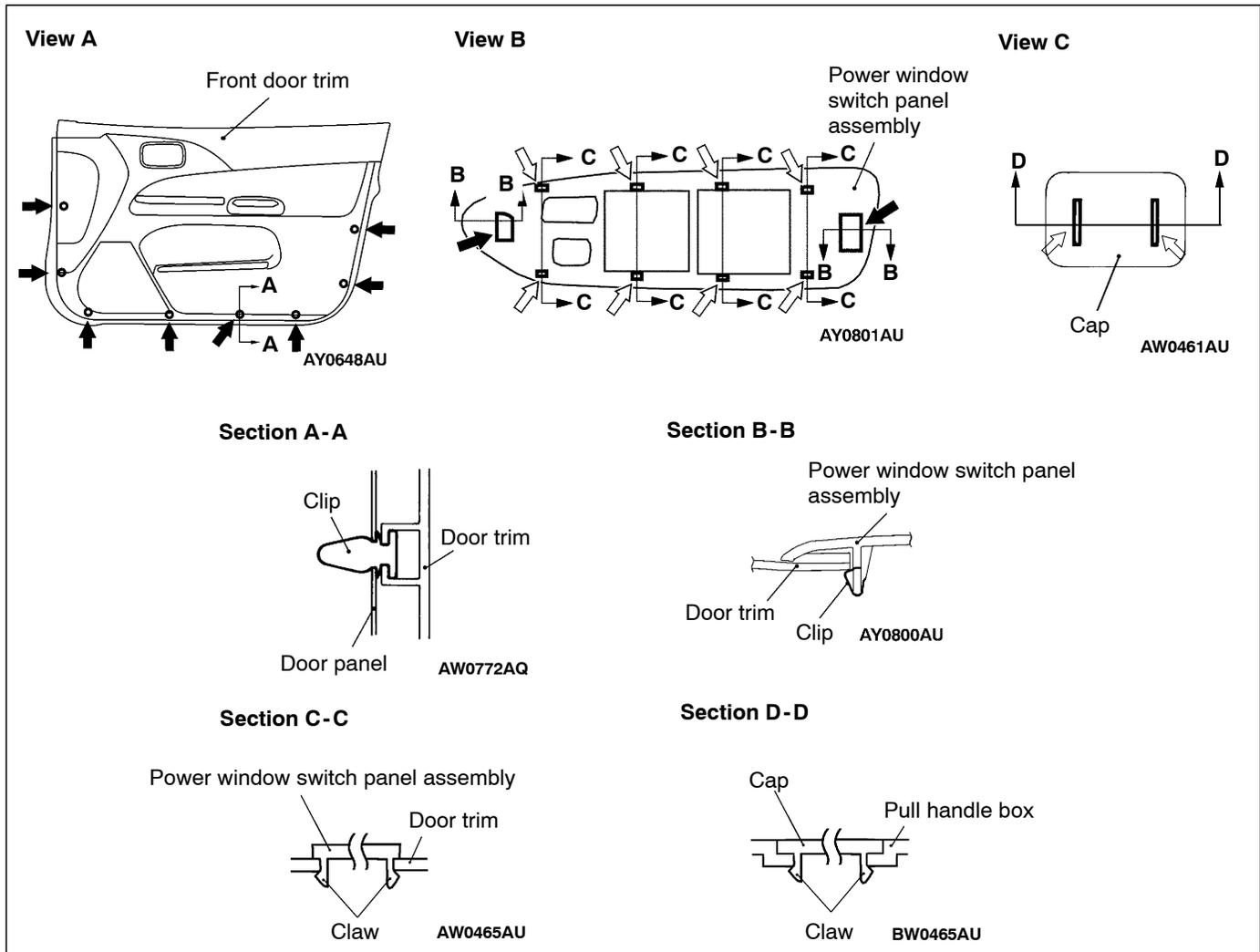
<FRONT DOOR>



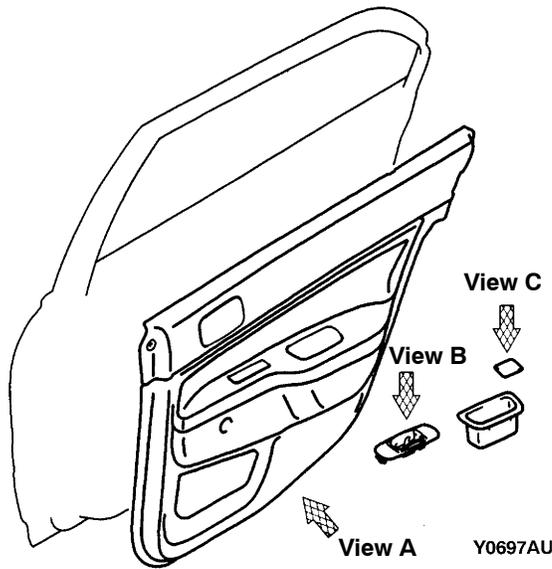
Note

- ← Clips positions
- ↔ Claws positions

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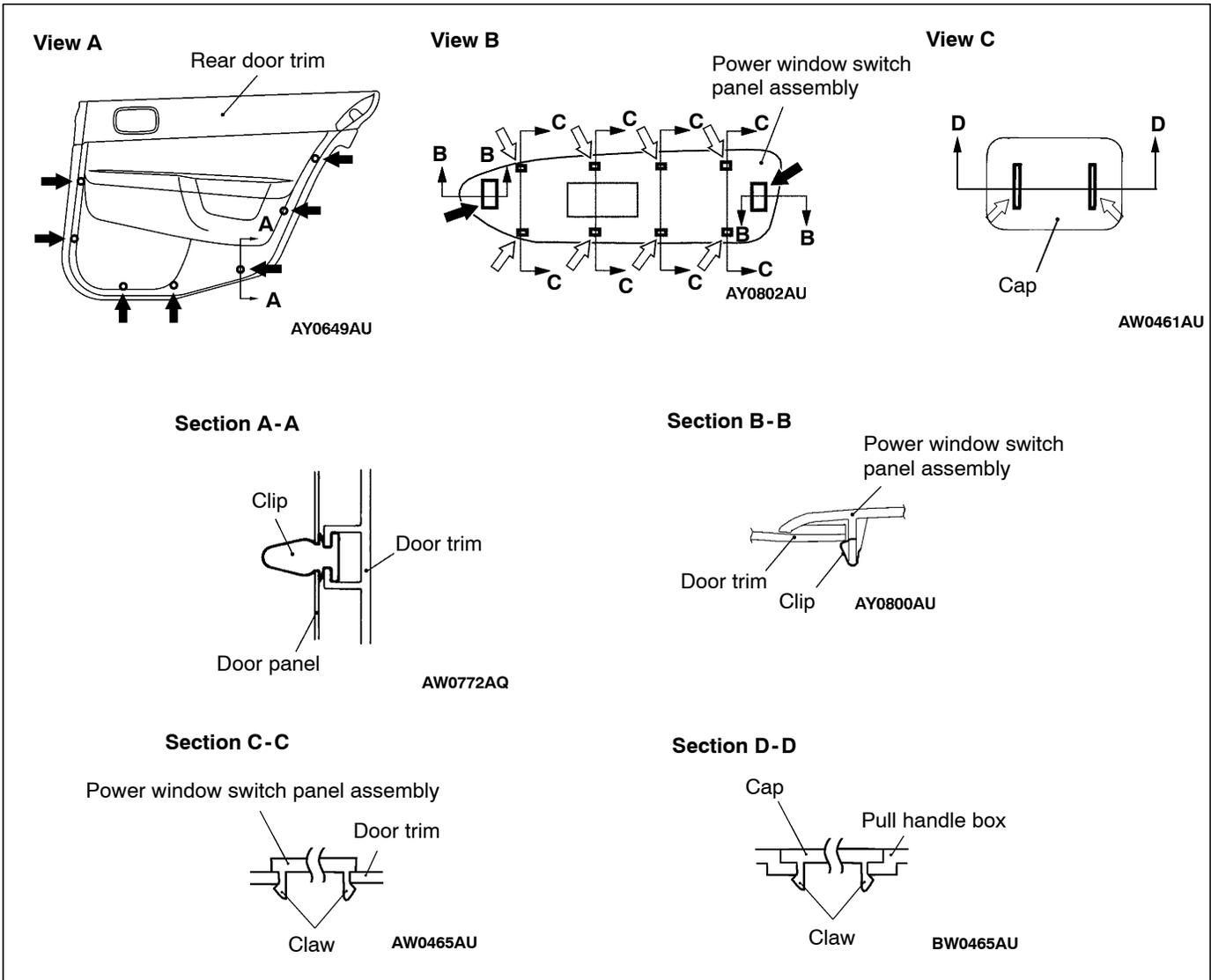


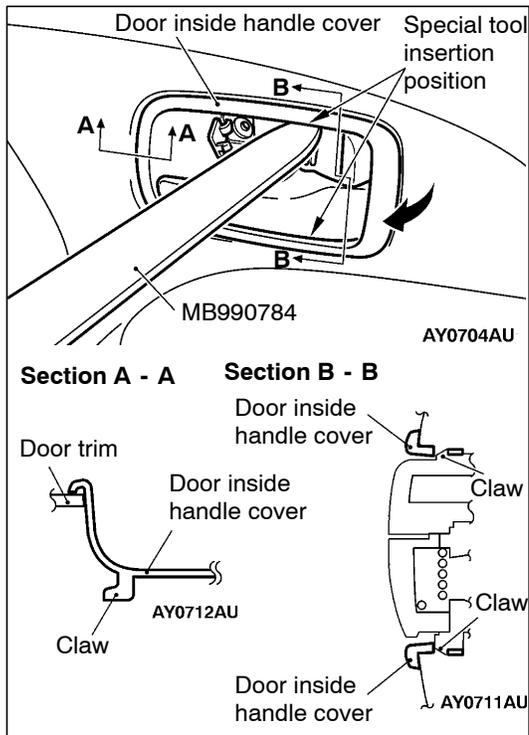
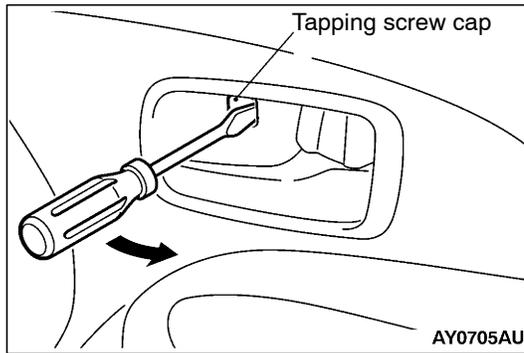
<REAR DOOR>



Note

- ➡ Clips positions
- ↔ Claws positions

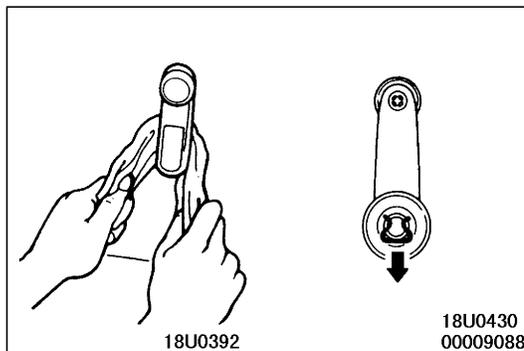


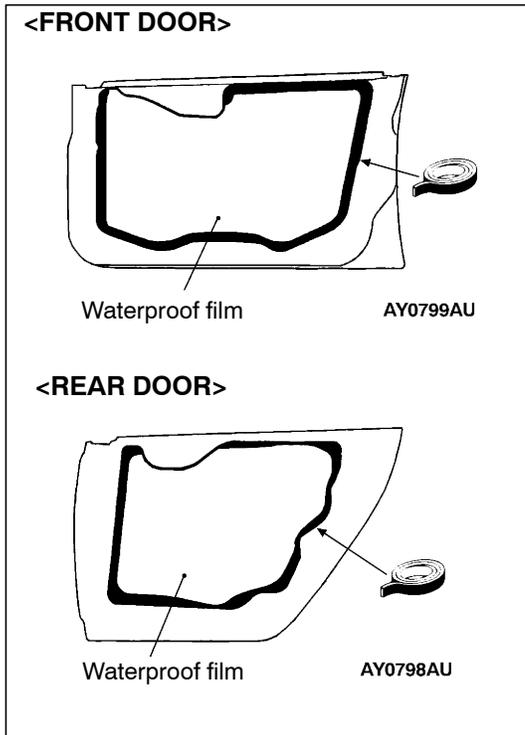
**REMOVAL SERVICE POINTS****◀A▶ DOOR INSIDE HANDLE COVER REMOVAL**

1. Insert the driver into the tapping screw cap end of the door inside handle cover and pry the cap the way shown in the illustration to remove the cap, and then unscrew the tapping screw.
2. As shown in the illustration, insert the special tool between the door inside handle cover and door inside handle, and then disengage the claws of the door inside handle cover and door inside handle.
3. Insert the special tool into the door inside handle cover end, and then pry and remove the door inside handle cover.

◀B▶ CLIP REMOVAL

Use a cloth to remove the clip as shown in the illustration.



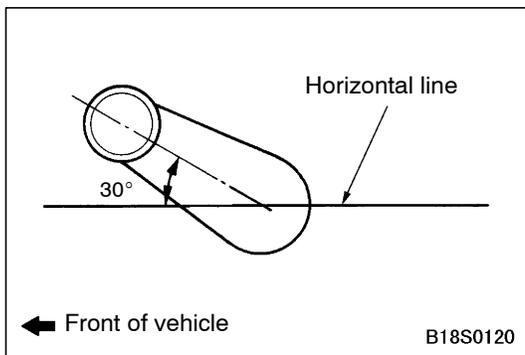


INSTALLATION SERVICE POINTS

▶A◀ WATERPROOF FILM INSTALLATION

Apply the specified adhesive on the waterproof film as shown in the illustration, and then glue it on the door window glass.

Specified sealant: 3M ATD Part No. 8625 or equivalent

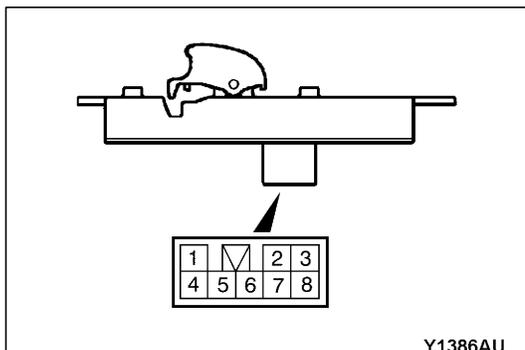


▶B◀ REGULATOR HANDLE/ESCUTCHEON/CLIP INSTALLATION

1. Install the clip and escutcheon to the regulator handle.
2. Close the front door window glass fully, and then install the regulator handle as shown in the illustration.

INSPECTION

Power window main switch uses SWS system, for the power window main switch check, refer to GROUP 54B - SWS.



POWER WINDOW SUB SWITCH CONTINUITY CHECK

Switch position	Terminal No.		
	2	3	6
UP	○	—	○
DOWN	○	○	—

DOOR GLASS AND REGULATOR

REMOVAL AND INSTALLATION

Pre-removal Operation

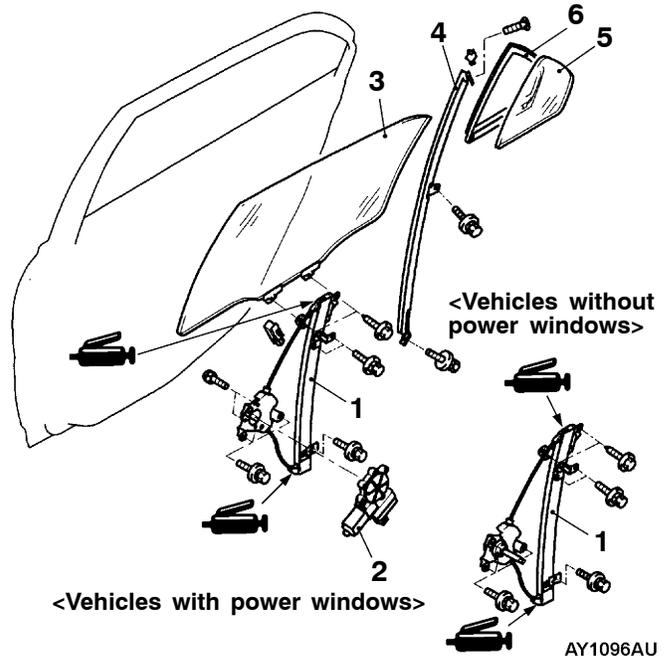
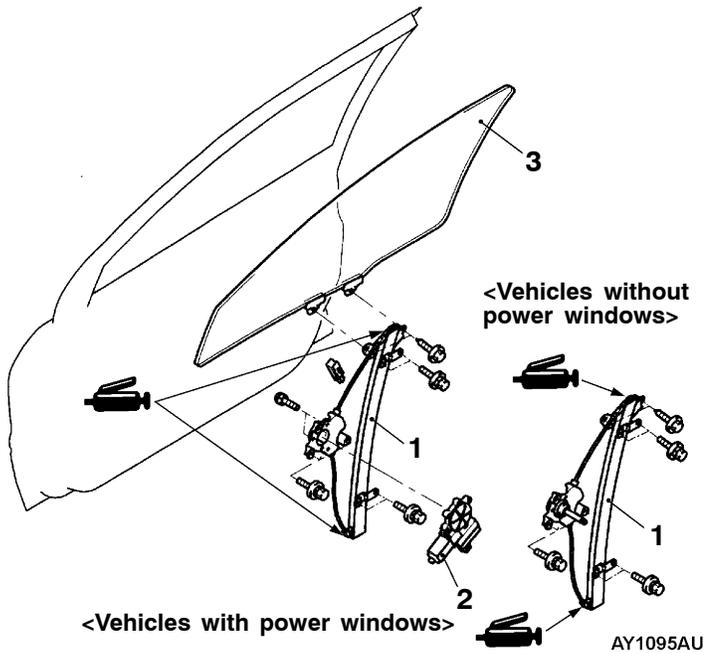
Door Trim and Waterproof Film Removal (Refer to P.42-27.)

Post-installation Operation

- Door Window Glass Adjustment (Refer to P.42-21.)
- Door Trim and Waterproof Film Installation (Refer to P.42-27)

<FRONT DOOR>

<REAR DOOR>



Window regulator assembly removal steps

- ▶B◀ • Operation check <Vehicles with power window>

- ◀A▶ 1. Window regulator assembly
- ◀A▶ 2. Power window motor assembly

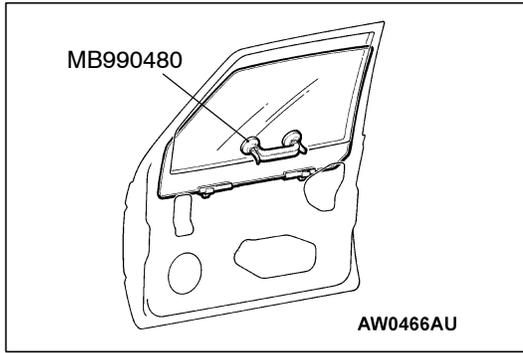
Window glass removal steps

- Window glass runchannel (Refer to P.42-39, 40.)
- 3. Door window glass

Stationary window glass removal steps

- Window glass runchannel (Refer to P.42-38, 39.)
- Door window glass lower runchannel (Refer to P.42-38, 39.)
- 3. Door window glass
- 4. Door center sash
- 5. Stationary window glass
- 6. Stationary window weatherstrip





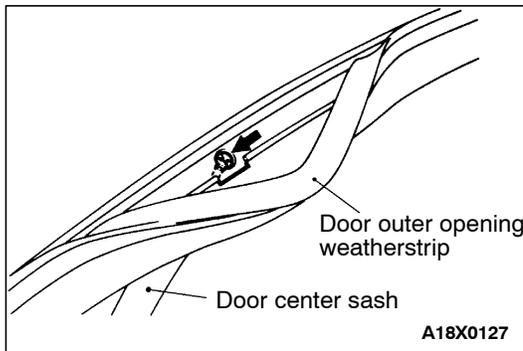
REMOVAL SERVICE POINTS

◀A▶ WINDOW REGULATOR ASSEMBLY/POWER WINDOW MOTOR ASSEMBLY REMOVAL

1. Loosen the door window glass assembly mounting bolts.
2. Raise the door window glass assembly, and then adhere the special tool on the glass as shown in the illustration to prevent from falling.

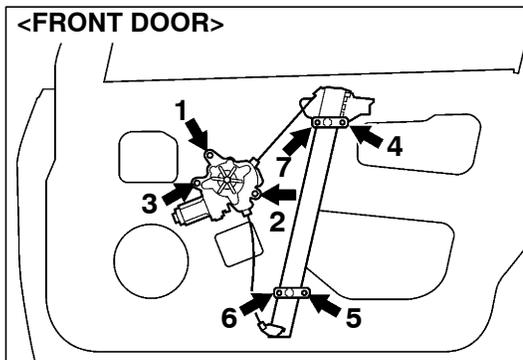
CautionFor the door window glass adhered film and etc., use the special tool from outside the door glass to prevent unsticking.

3. Remove the power window regulator and motor assembly.



◀B▶ DOOR CENTER SASH REMOVAL

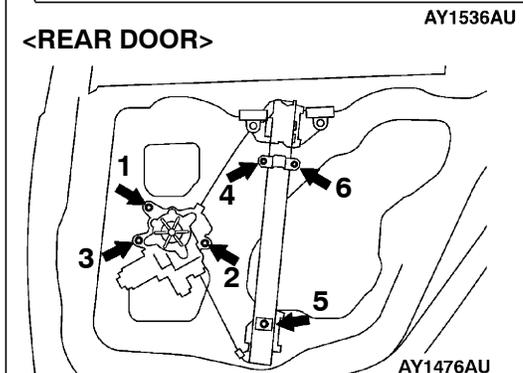
1. Remove only the section of the door outer opening weatherstrip
2. Remove the center sash upper mounting screws, and then remove the center sash upper from the door panel.



INSTALLATION SERVICE POINTS

▶A◀ WINDOW REGULATOR ASSEMBLY/POWER WINDOW MOTOR ASSEMBLY INSTALLATION

When installing the window regulator assembly, tighten he bolts at the specified torque in the order shown in the illustration.



▶B◀ OPERATION CHECK <Vehicles with power window>

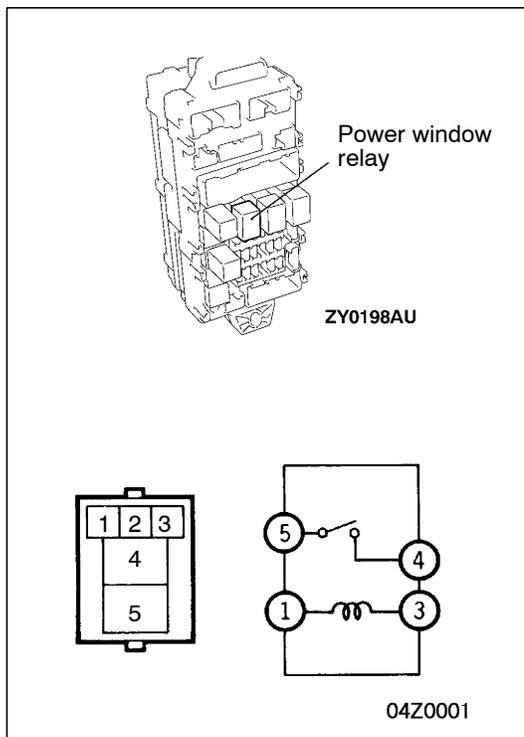
1. Install the glass to the window regulator assembly.

Caution

- (1) As fully open position which is programmed in the power window-ECU is released (initialized), the window regulator assembly should not be operated until it is installed to the glass.
 - (2) The clamping prevention function does not operate the first time that the glass is fully closed.
2. Press the power window switch to fully-open the glass, and then return the glass toward the fully-close position about 30 mm each. In the fully-close position, keep on pressing the power window switch for 0.5 second or more.

NOTE

This operation will program the power window-ECU.



INSPECTION

POWER WINDOW RELAY CONTINUITY CHECK

Battery voltage	Terminal No.			
	1	3	4	5
Not applied	○	○		
Applied	⊕	⊖	○	○

DOOR HANDLE AND LATCH

REMOVAL AND INSTALLATION

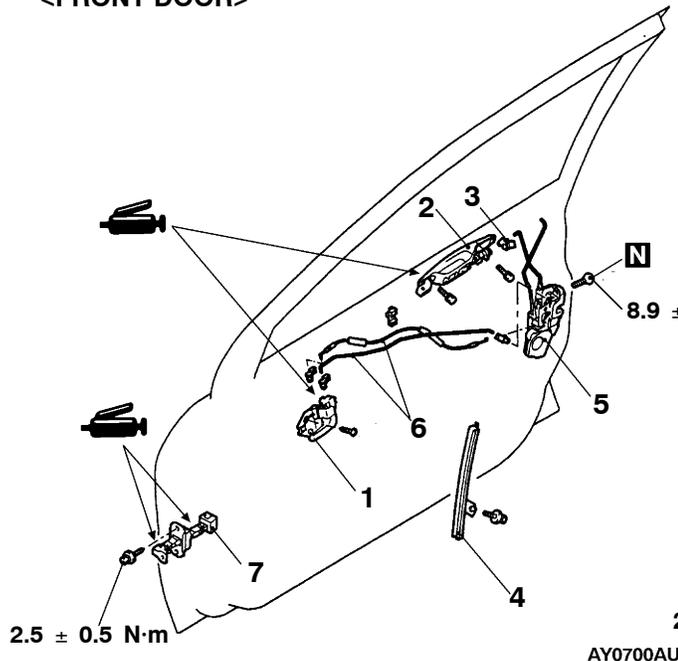
Pre-removal Operation

Door Trim Removal (Refer to P.42-27.)

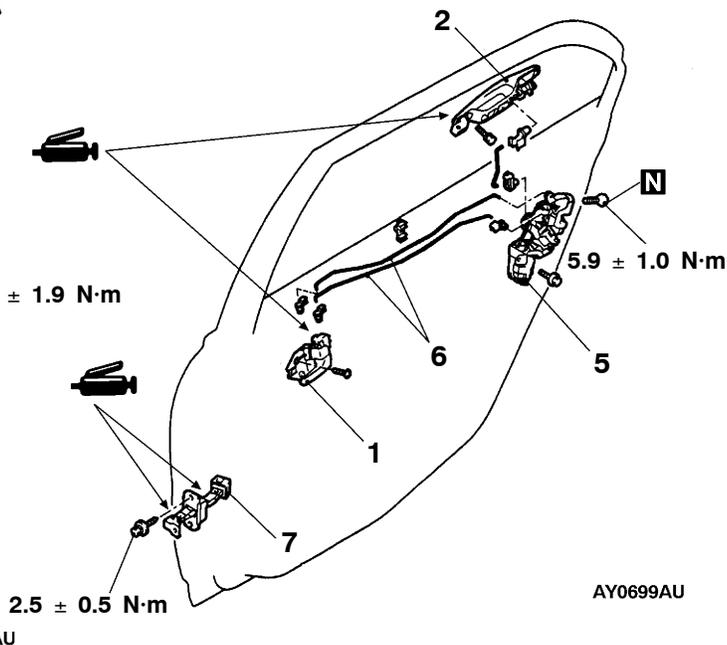
Post-installation Operation

- Door Inside Handle Looseness Check (Refer to P.42-24.)
- Door Outside Handle Looseness Check (Refer to P.42-23.)
- Door Trim Installation (Refer to P.42-27.)

<FRONT DOOR>



<REAR DOOR>



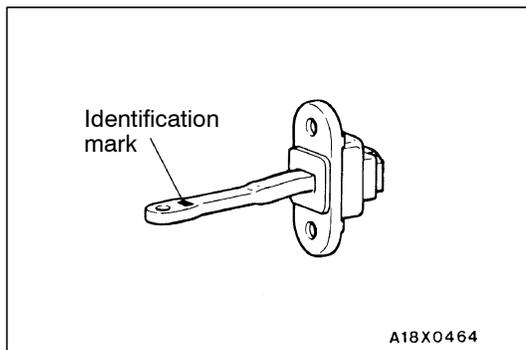
Door handle and door latch removal steps

- ▶C◀
1. Door inside handle
 - Waterproof film (Refer to P.42-27.)
 - Door window glass lower runchannel (Refer to P.42-38, 39.)
 - Door center sash (Refer to P.42-32.)

- ▶B◀
2. Door outside handle
 3. Key cylinder
 4. Lower sash
 5. Door latch assembly
 6. Link

Door check removal steps

- ▶A◀
- Waterproof film (Refer to P.42-27.)
 - 7. Door check



INSTALLATION SERVICE POINTS

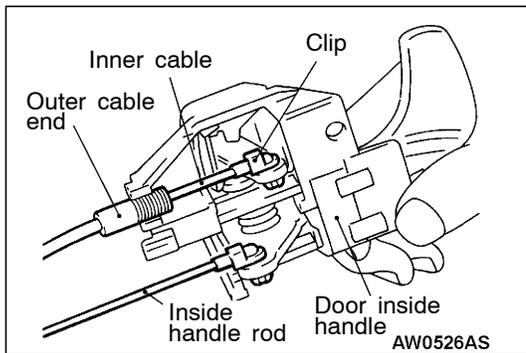
▶A◀ DOOR CHECK INSTALLATION

Install with the following identification marks upward.

Items		Identification mark
Front door	Left side	21L
	Right side	21R
Rear door	Left side	36L
	Right side	36R

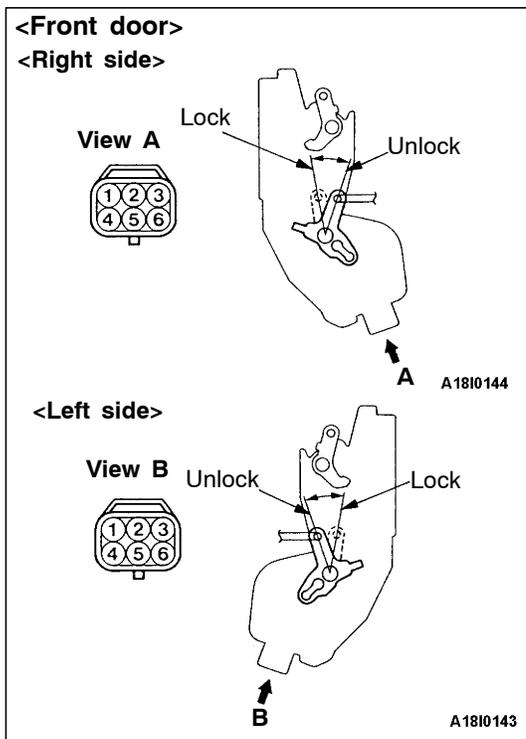
►B◄ LOWER SASH INSTALLATION

Be sure to install the lower sash to the window rear sash (at door) securely.



►C◄ DOOR INSIDE HANDLE INSTALLATION

1. Install the inside lock cable to the door inside handle as follows:
 - (1) Install the inner cable end in the inside lock cable to the clip in the door inside handle.
 - (2) Turn the inside lock knob to the door lock position.
 - (3) Install the outer cable end to the door inside handle securely.
 - (4) Install the clip to the inner cable.
2. Install the inside handle rod to the door inside handle.
3. Install the door inside handle to the door.



INSPECTION

DOOR LOCK ACTUATOR CHECK

Front door

<Left side (Driver's side)>

Rod position	Terminal No.					Rod operation
	1	2	3	4	6	
LOCK				+	-	LOCK to UNLOCK
UNLOCK				-	+	UNLOCK to LOCK
LOCK	○	—	○			
UNLOCK	○	○				

<Left side (Passenger's side)>

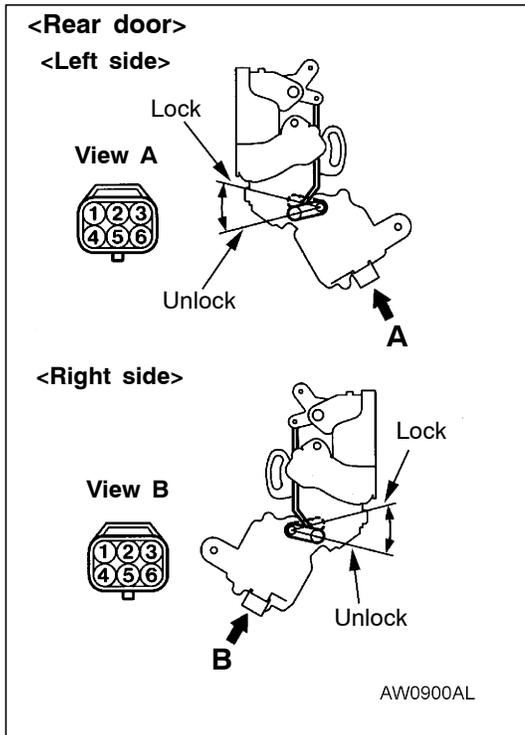
Rod position	Terminal No.		Rod operation
	4	6	
LOCK	+	-	LOCK to UNLOCK
UNLOCK	-	+	UNLOCK to LOCK

<Right side (Driver's side)>

Rod position	Terminal No.					Rod operation
	1	2	3	4	6	
LOCK				-	+	LOCK to UNLOCK
UNLOCK				+	-	UNLOCK to LOCK
LOCK	○	—	○			
UNLOCK		○	○			

<Right side (Passenger's side)>

Rod position	Terminal No.		Rod operation
	4	6	
LOCK	-	+	LOCK to UNLOCK
UNLOCK	+	-	UNLOCK to LOCK



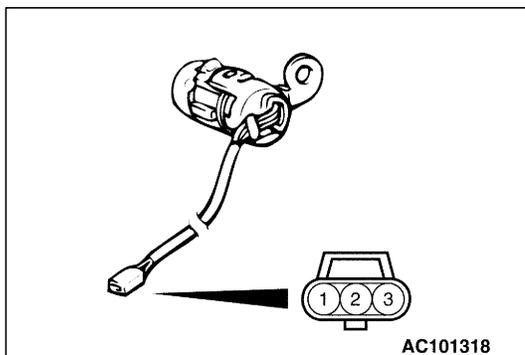
Rear door

<Left side>

Rod position	Terminal No.		Rod operation
	2	3	
LOCK	⊖	⊕	LOCK to UNLOCK
UNLOCK	⊕	⊖	UNLOCK to LOCK

<Right side>

Rod position	Terminal No.		Rod operation
	2	3	
LOCK	⊕	⊖	LOCK to UNLOCK
UNLOCK	⊖	⊕	UNLOCK to LOCK



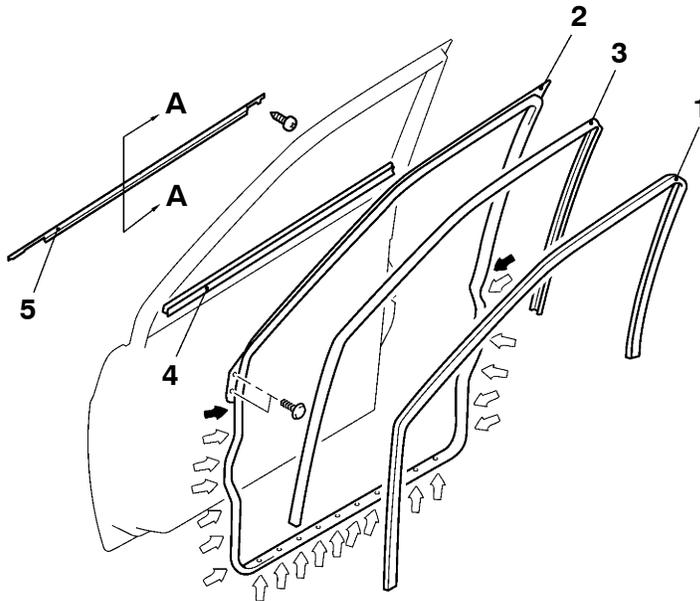
DOOR LOCK KEY CYLINDER SWITCH CONTINUITY CHECK <Vehicles with central door locking system>

Switch position	Terminal No.					
	<L.H. drive vehicles>			<R.H. drive vehicles>		
	1	2	3	1	2	3
LOCK	○	○			○	○
OFF						
UNLOCK		○	○	○	○	

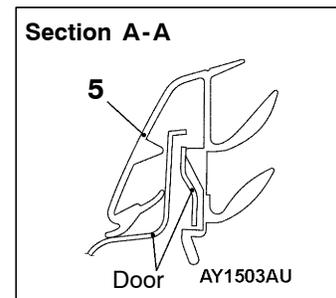
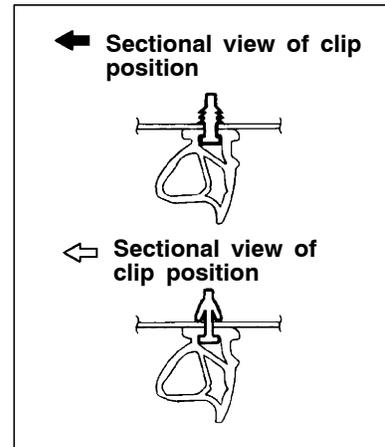
WINDOW GLASS RUNCHANNEL AND DOOR OPENING WEATHERSTRIP

REMOVAL AND INSTALLATION

<FRONT DOOR>



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Door inner opening weatherstrip removal steps

- Scuff plate (Refer to GROUP 52A.)
- Cowl side trim (Refer to GROUP 52A.)
- Center pillar lower trim (Refer to GROUP 52A.)

1. Door inner opening weatherstrip

Door outer opening weatherstrip removal

2. Door outer opening weatherstrip

Door window glass runchannel removal

3. Door window glass runchannel

Door beltline inner weatherstrip removal steps

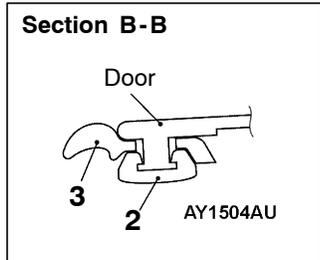
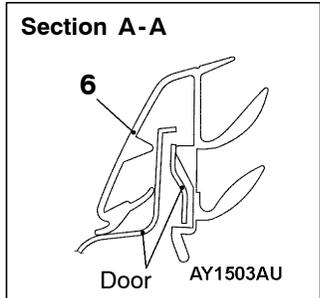
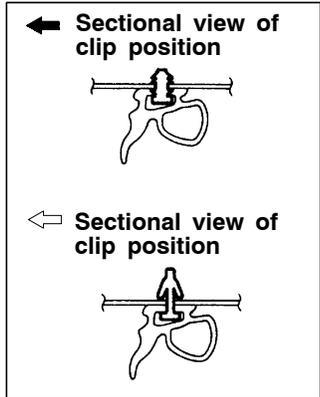
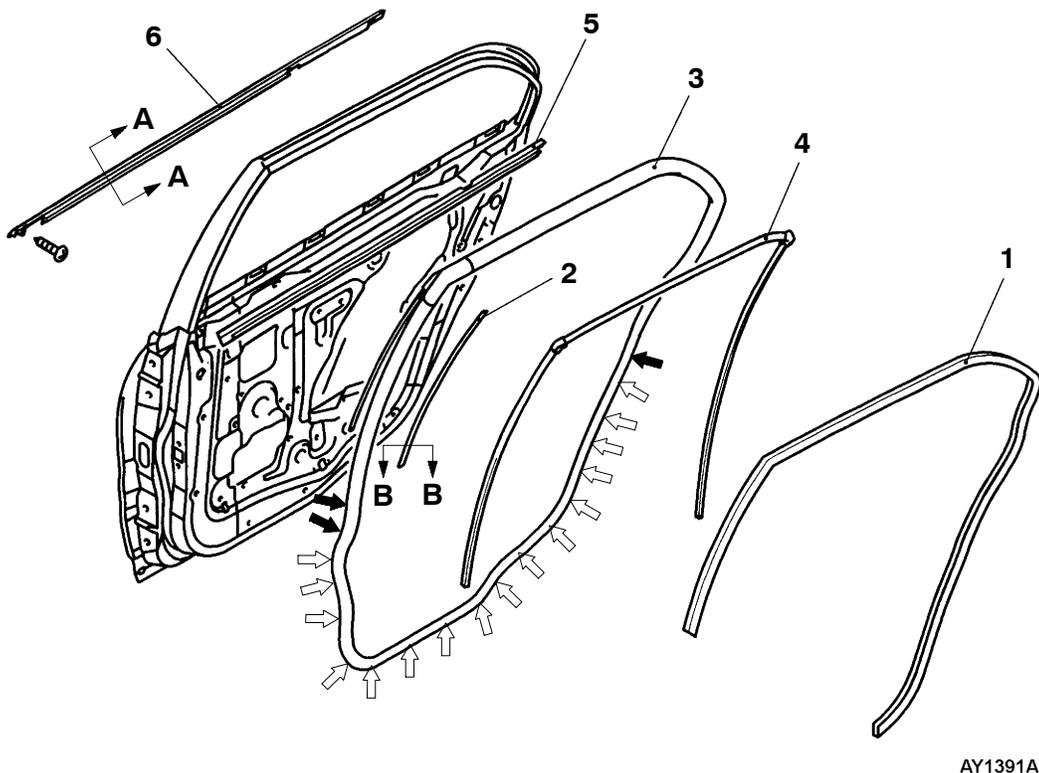
- Door trim (Refer to P.42-27.)
4. Door beltline inner weatherstrip

Door beltline molding removal steps

- Outside mirror (Refer to GROUP 51.)
 - Door window glass (Refer to P.42-32.)
5. Door beltline molding

◀A▶ ▶A◀

<REAR DOOR>



Door inner opening weatherstrip removal steps

- Scuff plate (Refer to GROUP 52A.)
 - Center pillar lower trim (Refer to GROUP 52A.)
1. Door inner opening weatherstrip

Door outer opening weatherstrip removal steps

2. Retainer weatherstrip
3. Door outer opening weatherstrip

Door window glass runchannel removal

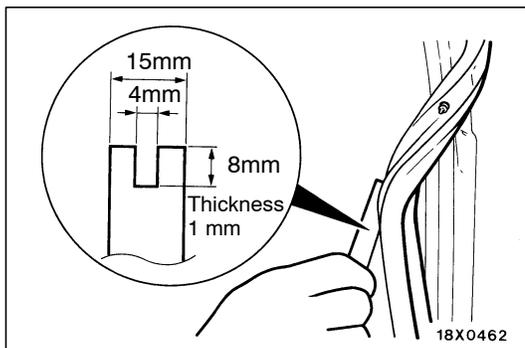
4. Door window glass runchannel

Door beltline inner weatherstrip removal steps

- Door trim (Refer to P.42-27.)
5. Door beltline inner weatherstrip

Door beltline molding removal steps

- Door window glass (Refer to P.42-32.)
 - Stationary glass (Refer to P.42-32.)
6. Door beltline molding



REMOVAL SERVICE POINT

<A> DOOR OUTER OPENING WEATHERSTRIP REMOVAL

Make a tool as shown and remove the weatherstrip from the door panel.

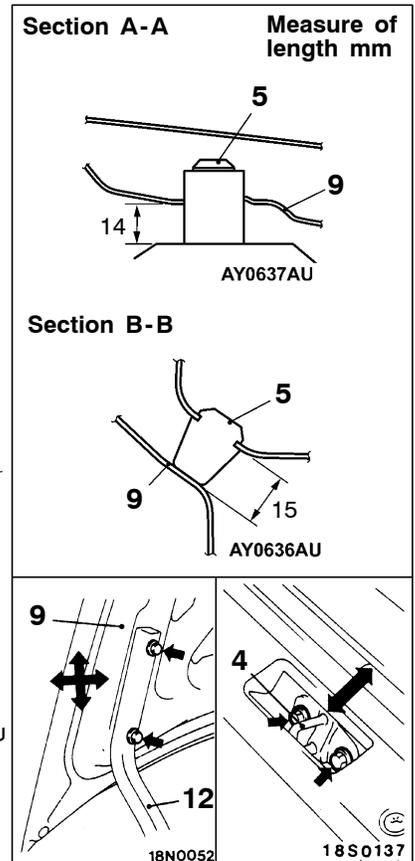
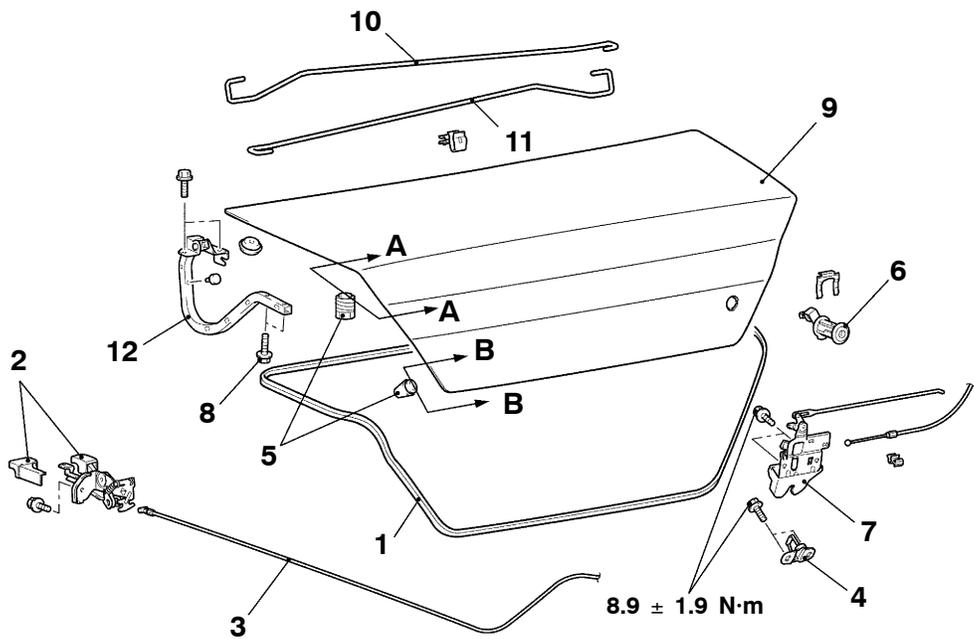
INSTALLATION SERVICE POINTS**▶A◀ DOOR OUTER OPENING WATHERSTRIP
INSTALLATION**

The clip colour identifies the left and right weatherstrips so be sure to use the colours as install correctly.

Applicable side	Identification colour
Right door	Pink
Left door	Natural (White)

TRUNK LID

REMOVAL AND INSTALLATION



Trunk lid weatherstrip removal steps



- Rear end trim <RS- > (Refer to GROUP 52A.)

1. Trunk lid weatherstrip

Trunk lid release cable and trunk lid release handle removal steps

- Trunk rear side trim (Left side) (Refer to GROUP 52A.)
- Rear seat (Refer to GROUP 52A.)
- Center pillar lower trim (Refer to GROUP 52A.)
- Cowl side trim
- Accelerator pedal stopper

2. Trunk lid release handle

3. Trunk lid release cable

Trunk lid striker removal steps

- Rear end trim <RS- > (Refer to GROUP 52A.)

4. Trunk lid striker

Trunk lid panel removal steps

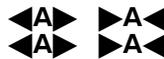
- 5. Trunk lid bumper
- 6. Trunk lid lock cylinder
- 7. Trunk lid latch assembly
- 8. Trunk lid hinge mounting bolt
- 9. Trunk lid panel assembly

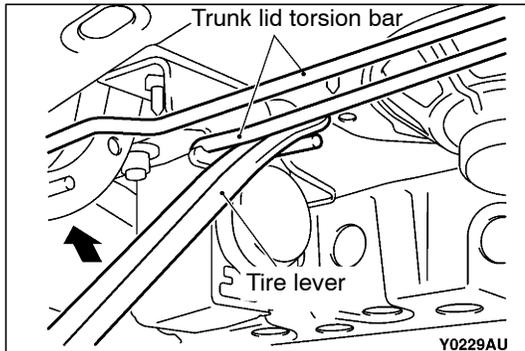
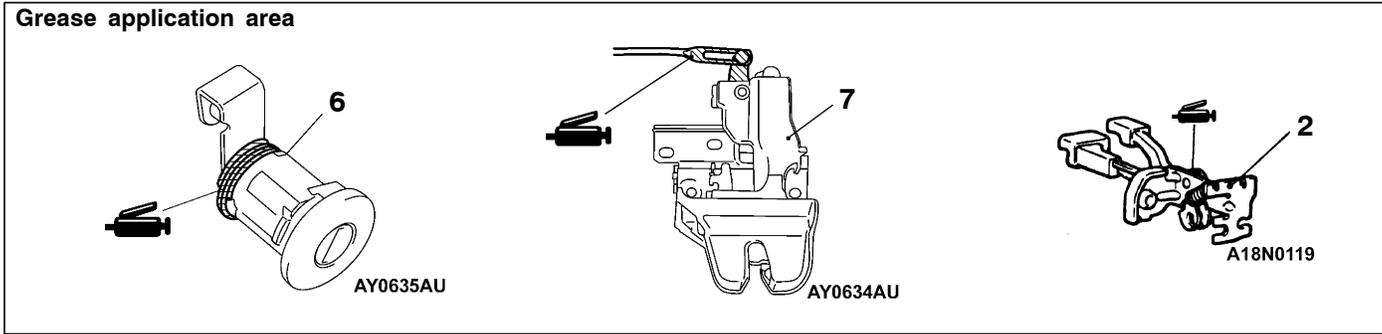
Trunk lid latch assembly removal

- 7. Trunk lid latch assembly

Trunk lid hinge removal steps

- Rear shelf trim
- Rear seat (Refer to GROUP 52A.)
- 9. Trunk lid panel assembly
- 10. Trunk lid torsion bar (Right side)
- 11. Trunk lid torsion bar (Left side)
- 12. Trunk lid hinge





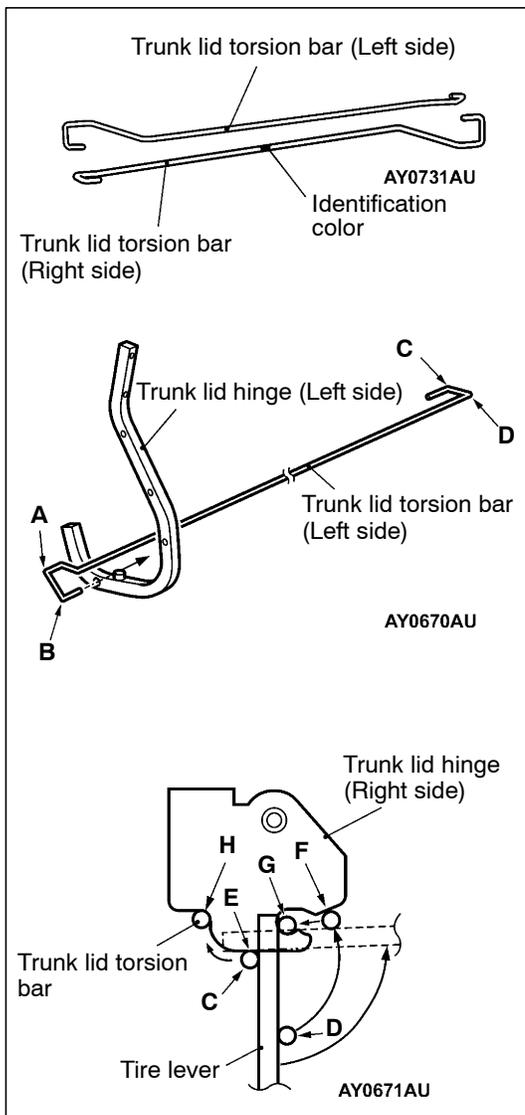
REMOVAL SERVICE POINT

◀▶ TRUNK LID TORSION BAR REMOVAL

Insert the tire lever into the torsion bar, and then pull upward the tire lever to remove the torsion bar as shown in the illustration.

NOTE

As the left and right trunk lid torsion bars are crossed at the center, first remove the front trunk lid torsion bar at the center.



INSTALLATION SERVICE POINTS

▶◀ TRUNK LID TORSION BAR INSTALLATION

Install the trunk lid torsion bar by the following procedure.

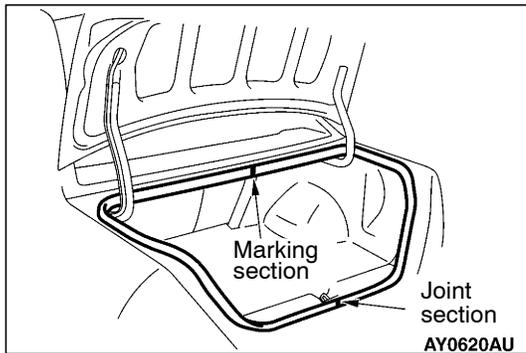
1. Ensure that there is the identification color at the center of the trunk lid torsion bar.

Trunk lid torsion bar	Identification color
Left side	-
Right side	Red

Caution

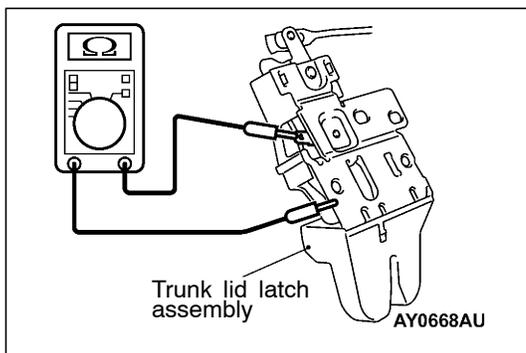
As the trunk lid torsion bar (Right side) is painted with differentiation color in the middle to differentiate between RH and LH, be careful when installing.

2. Install the trunk lid torsion bar (Left side) as follows.
 - (1) For terminal A, insert the trunk lid hinge (Left side) into the fixed hole B
 - (2) For terminal C, touch the trunk lid hinge (Right side) against portion E.
 - (3) For terminal D, insert the trunk lid hinge (Right side) into portion F until portion G while twisting with the tool such as a tire lever, etc.
 - (4) For terminal C, set the trunk lid hinge (Right side) at portion H while twisting with the tool such as a tire lever etc.
3. Install the trunk lid torsion bar (Right side) in the same way as above.



►B◄ TRUNK LID WEATHERSTRIP INSTALLATION

aligning the trunk lid weatherstrip marking section at the body center to install.



INSPECTION

TRUNK LID LATCH SWITCH CONTINUITY CHECK

Switch position	Terminal No.	
	1	Earth
Latch open	○	○
Latch closed		

NOTES