

# BODY

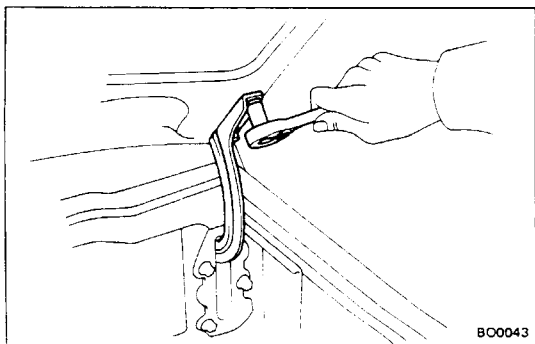
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## HOOD

### ADJUSTMENT OF HOOD

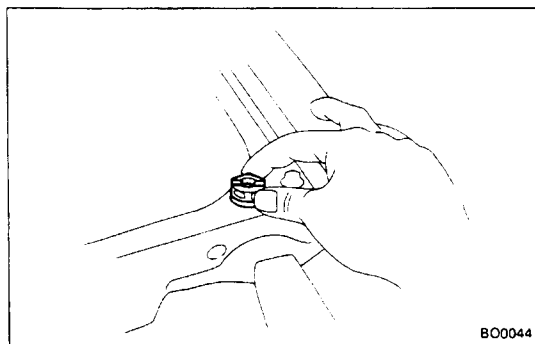
**1. ADJUST HOOD IN FORWARD/REARWARD AND LEFT/RIGHT DIRECTIONS**

Loosen the hood side hinge bolts to adjust.



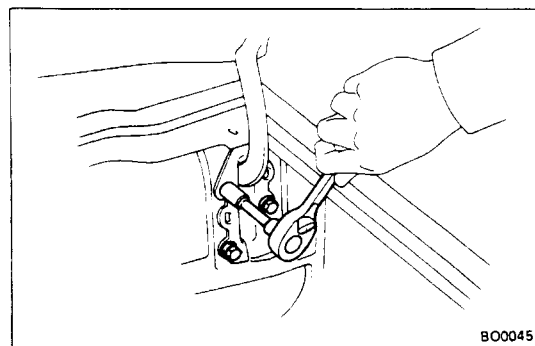
**2. ADJUST FRONT EDGE OF HOOD IN VERTICAL DIRECTION**

Turn the hood cushions to adjust.



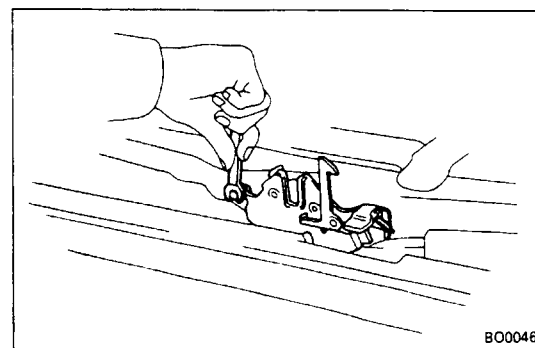
**3. ADJUST REAR EDGE OF HOOD IN VERTICAL DIRECTION**

Loosen the body side hinge bolts to adjust.

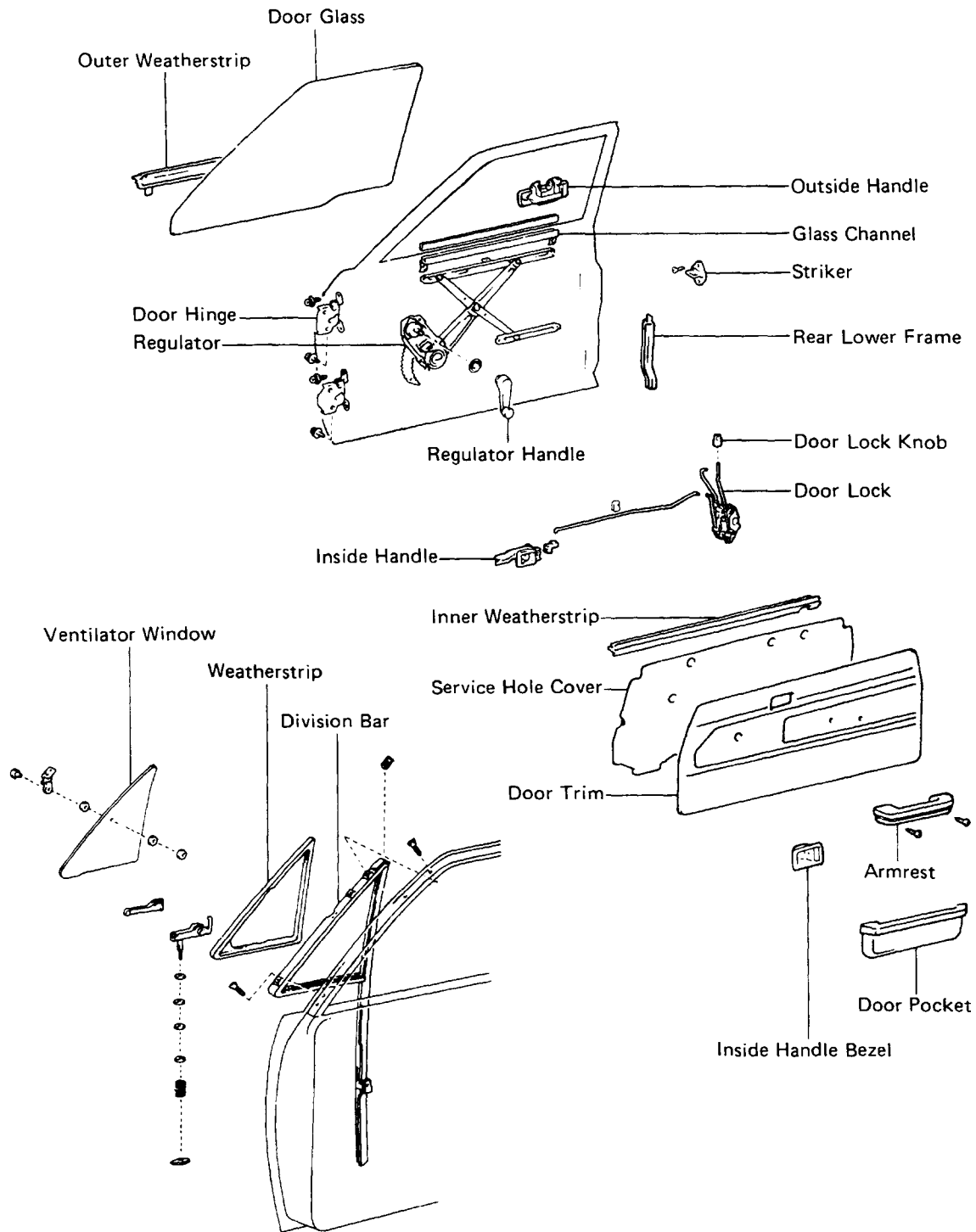


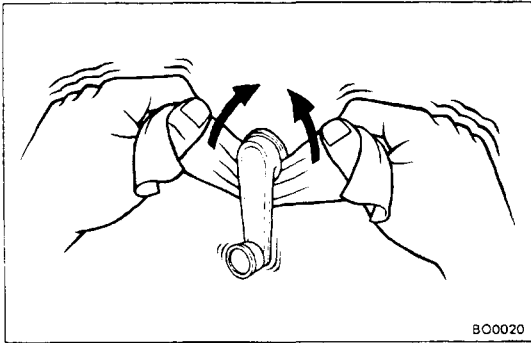
**4. ADJUST HOOD LOCK**

Loosen the mounting bolts to adjust.



# DOOR COMPONENTS





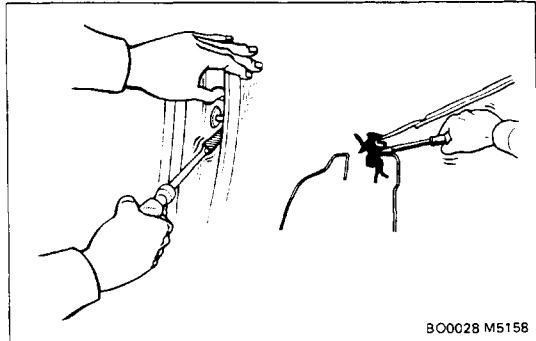
## DISASSEMBLY OF DOOR

### 1. REMOVE FOLLOWING PARTS:

- (a) Door inside handle bezel
- (b) Armrest

### 2. REMOVE WINDOW REGULATOR HANDLE

Pull off the snap ring with a cloth and remove the regulator handle.

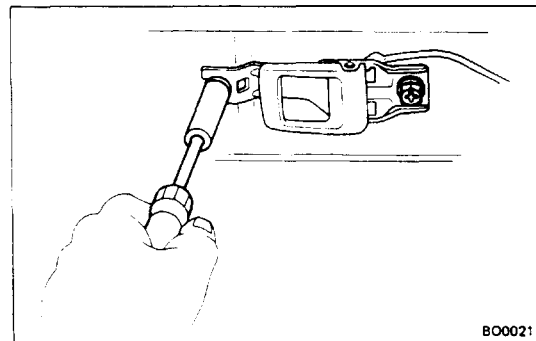


### 3. REMOVE DOOR TRIM

- (a) Insert a screwdriver between the trim retainers and door panel to pry it loose.

**CAUTION:** Tape the screwdriver tip before use.

- (b) (Full door trim type)  
Turn up the trim and using a screwdriver, pry off it.  
(Semi door trim type)  
Pry out the inner weatherstrip.



### 4. REMOVE DOOR INSIDE HANDLE

- (a) Peel off the outer ridges of the service hole cover.
- (b) Remove the two screws.
- (c) Disconnect the control link from the door lock and remove the handle.

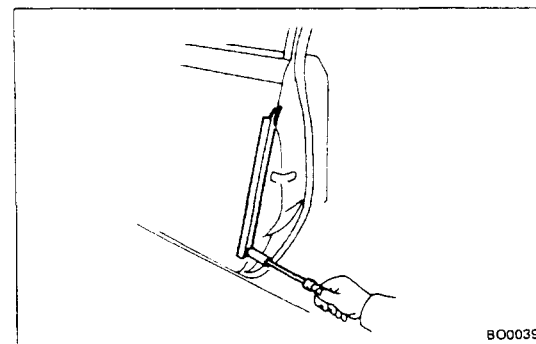
### 5. REMOVE SERVICE HOLE COVER

### 6. REMOVE OUTER WEATHERSTRIP

### 7. REMOVE GLASS RUN

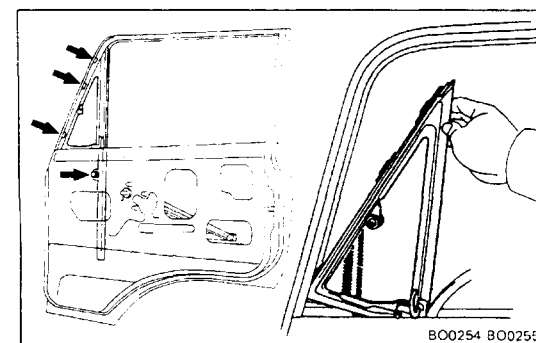
### 8. REMOVE REAR LOWER FRAME

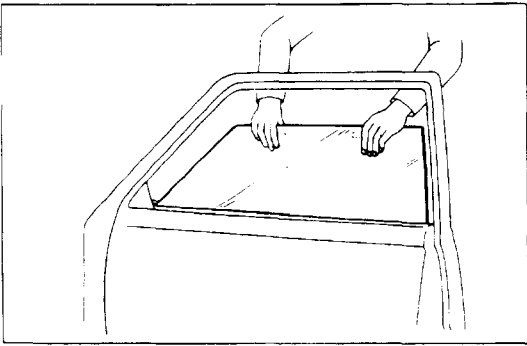
- (a) Remove the frame set bolt.
- (b) Remove the frame.



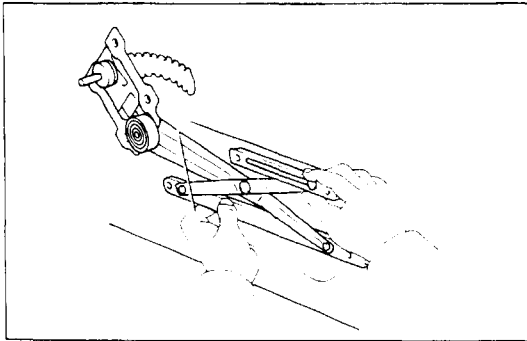
### 9. REMOVE VENTILATOR WINDOW

- (a) Remove two glass channel mounting bolts and place the glass on the bottom of the door cavity.
- (b) Peel off the weatherstrip on the upper side of the ventilator window.
- (c) Remove the three screws.
- (d) Remove the division bar set bolt.
- (e) Remove the ventilator window by pulling it upward.

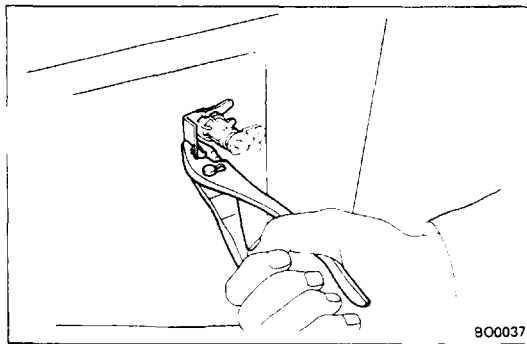


**10. REMOVE DOOR GLASS**

- (a) (Without ventilator window type)  
Remove two glass channel mounting bolts.
- (b) Remove the door glass by pulling it upward.

**11. REMOVE WINDOW REGULATOR**

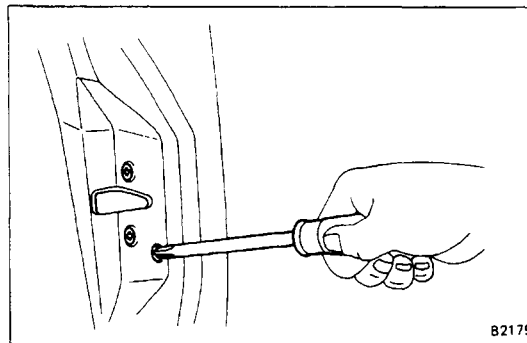
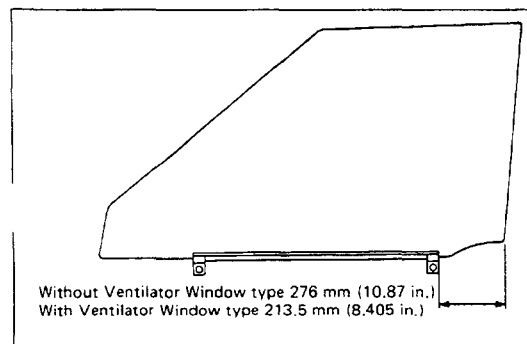
- (a) Remove the regulator mounting bolts.
- (b) (Without ventilator window type)  
Remove the two equalizer arm bracket mounting bolts.
- (c) Remove the regulator through the service hole.

**12. DISCONNECT FOLLOWING LINKAGES:**

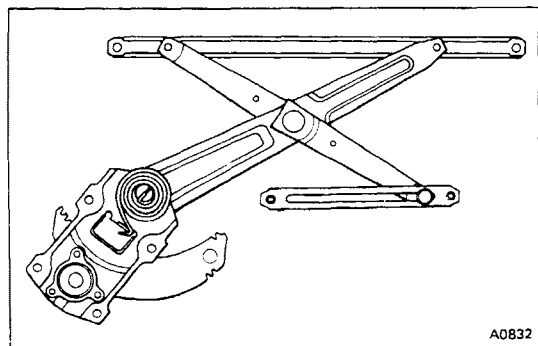
- (a) Door inside locking control link
- (b) Door outside opening control link
- (c) Door outside locking control link

**13. REMOVE DOOR LOCK CYLINDER**

Remove the retainer with pliers.

**14. REMOVE DOOR OUTSIDE HANDLE****15. REMOVE DOOR LOCK****REPLACEMENT OF GLASS**

1. REMOVE GLASS CHANNEL WITH SCREWDRIVER OR SUCH
2. APPLY SOAPY WATER TO INSIDE OF WEATHERSTRIP
3. TAP ON CHANNEL WITH PLASTIC HAMMER

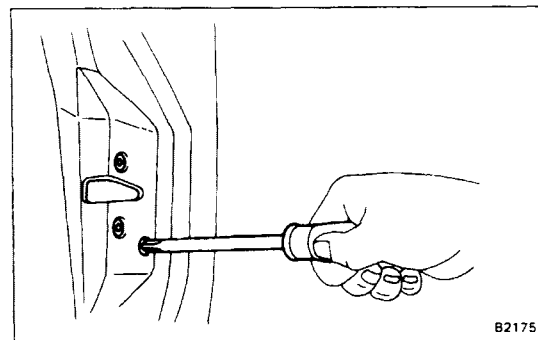


## ASSEMBLY OF DOOR

(See page BO-3)

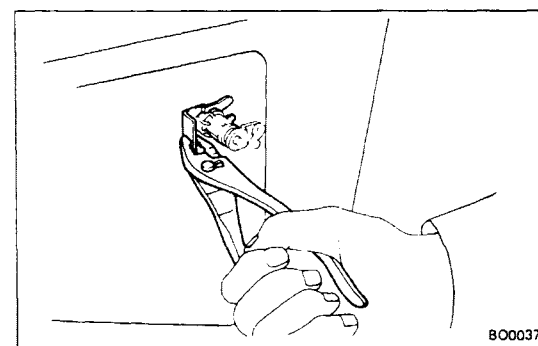
### 1. BEFORE INSTALLING PARTS, COAT THEM WITH MP GREASE

- (a) Coat the sliding surface, spring and gears of the window regulator with MP grease.
- (b) Coat the sliding surface of the door lock with MP grease.



### 2. INSTALL DOOR LOCK

- (a) Place the door lock in the door cavity.
- (b) Install the door lock with the three screws.

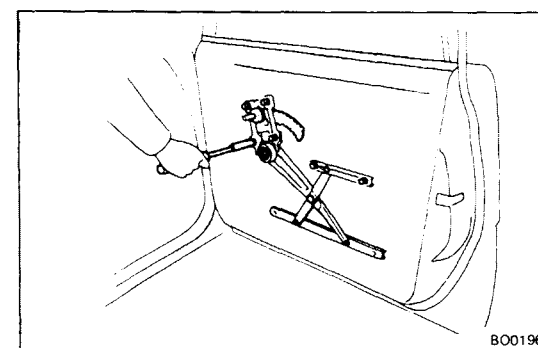


### 3. INSTALL DOOR LOCK CYLINDER

Install the lock cylinder with the retainer and connect the control link.

### 4. INSTALL DOOR OUTSIDE HANDLE

Install the handle with the two bolts and connect the control link.

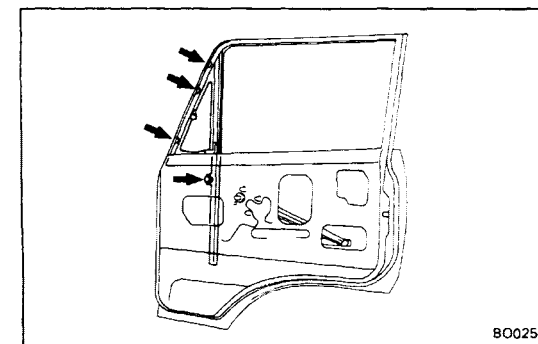


### 5. INSTALL WINDOW REGULATOR

- (a) Place the regulator through the service hole and install the mounting bolts.
- (b) (without ventilator window type)  
Install the two equalizer arm bracket mounting bolts.

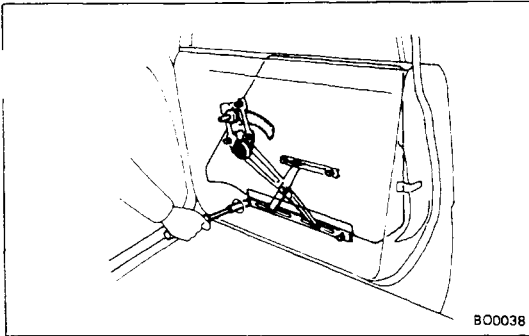
### 6. PLACE DOOR GLASS IN DOOR

Insert the door glass in the door cavity.



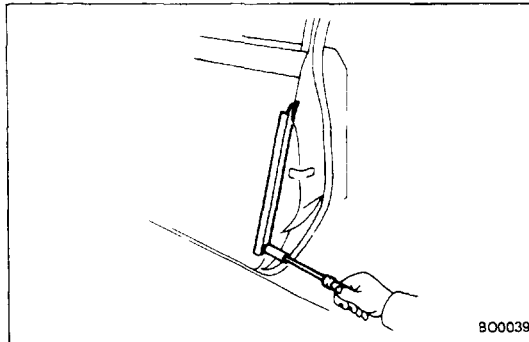
### 7. INSTALL VENTILATOR WINDOW

- (a) Install the three screws.
- (b) Install the division bar set bolt.
- (c) Install the two glass channel mounting bolts.



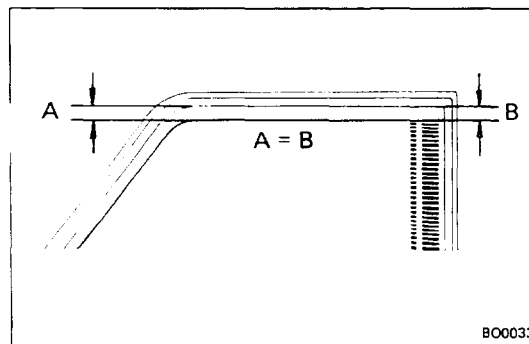
## 8. INSTALL DOOR GLASS

Install the glass to the regulator with the two mounting bolts.



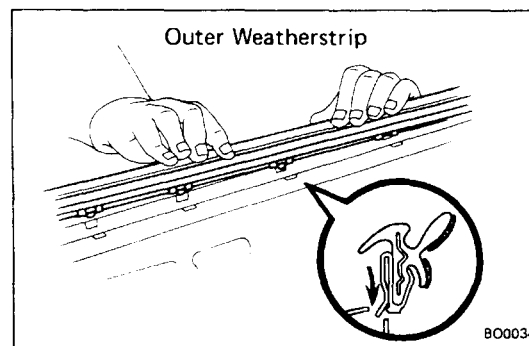
## 9. INSTALL REAR LOWER FRAME

- (a) Attach the glass run into the frame.
- (b) Install the frame with the bolt.



## 10. ADJUST DOOR GLASS

Adjust the equalizer arm up or down and tighten it where dimensions A and B, as shown, are equal.

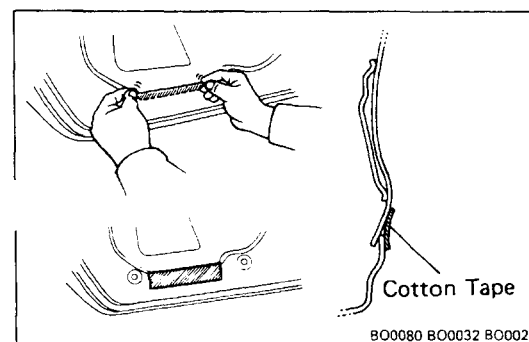


## 11. INSTALL OUTER WEATHERSTRIP

Insert the claw of the clips into the upper panel hole and push the weatherstrip onto the panel.

## 12. CONNECT DOOR INSIDE LOCKING CONTROL LINK

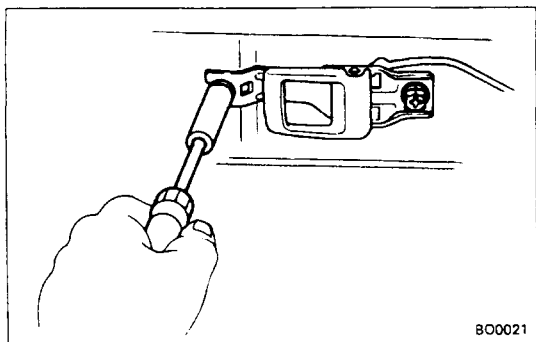
## 13. INSTALL DOOR INSIDE OPENING CONTROL LINK



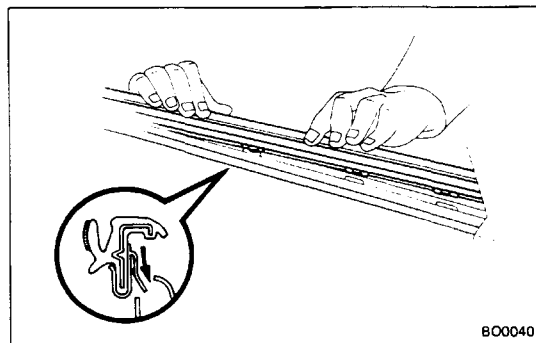
## 14. INSTALL SERVICE HOLE COVER

- (a) Seal the service hole cover with adhesive.
- (b) Insert the lower edge of the service hole cover into the panel slit.
- (c) Seal the panel slit with cotton tape.

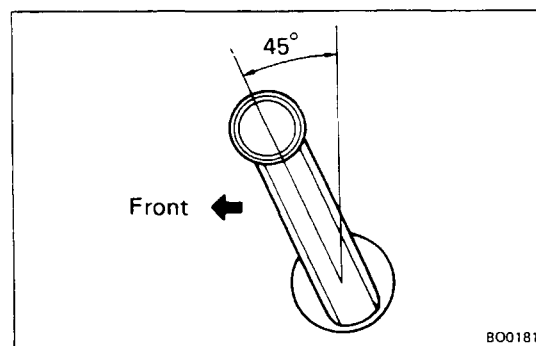
**CAUTION:** Do not block the trim clip seating with the tape.

**15. INSTALL DOOR INSIDE HANDLE**

Install the handle with the two screws.

**16. INSTALL DOOR TRIM**

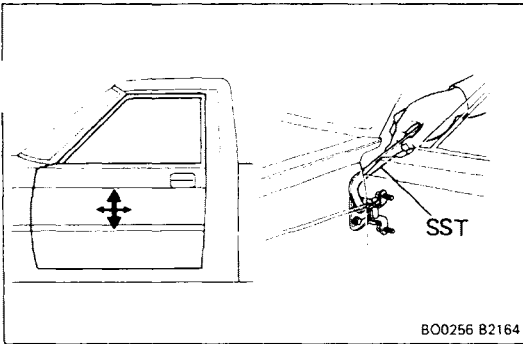
- (a) Insert the weatherstrip clips into the door panel holes and push the weatherstrip onto the panel.
- (b) Install the door trim.

**17. INSTALL WINDOW REGULATOR HANDLE**

With door window fully closed, install the window regulator handle with a snap ring as shown.

**18. INSTALL DOOR INSIDE HANDLE BEZEL AND ARMRES.**



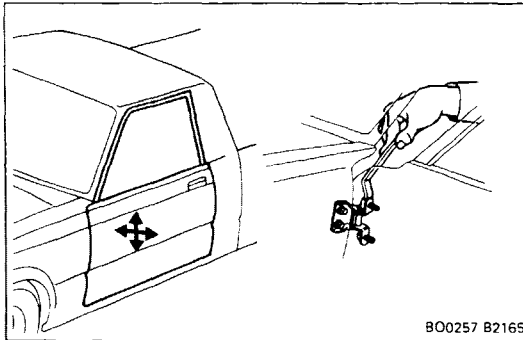


## ADJUSTMENT OF DOOR

### 1. ADJUST DOOR IN FORWARD/REARWARD AND VERTICAL DIRECTIONS

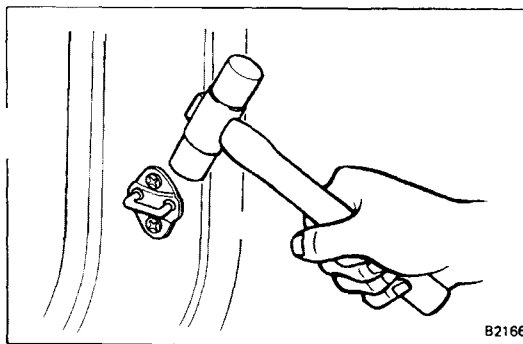
Using SST, adjust the door by loosening the body side hinge bolts.

SST 09812-00010



### 2. ADJUST DOOR IN LEFT/RIGHT AND VERTICAL DIRECTIONS

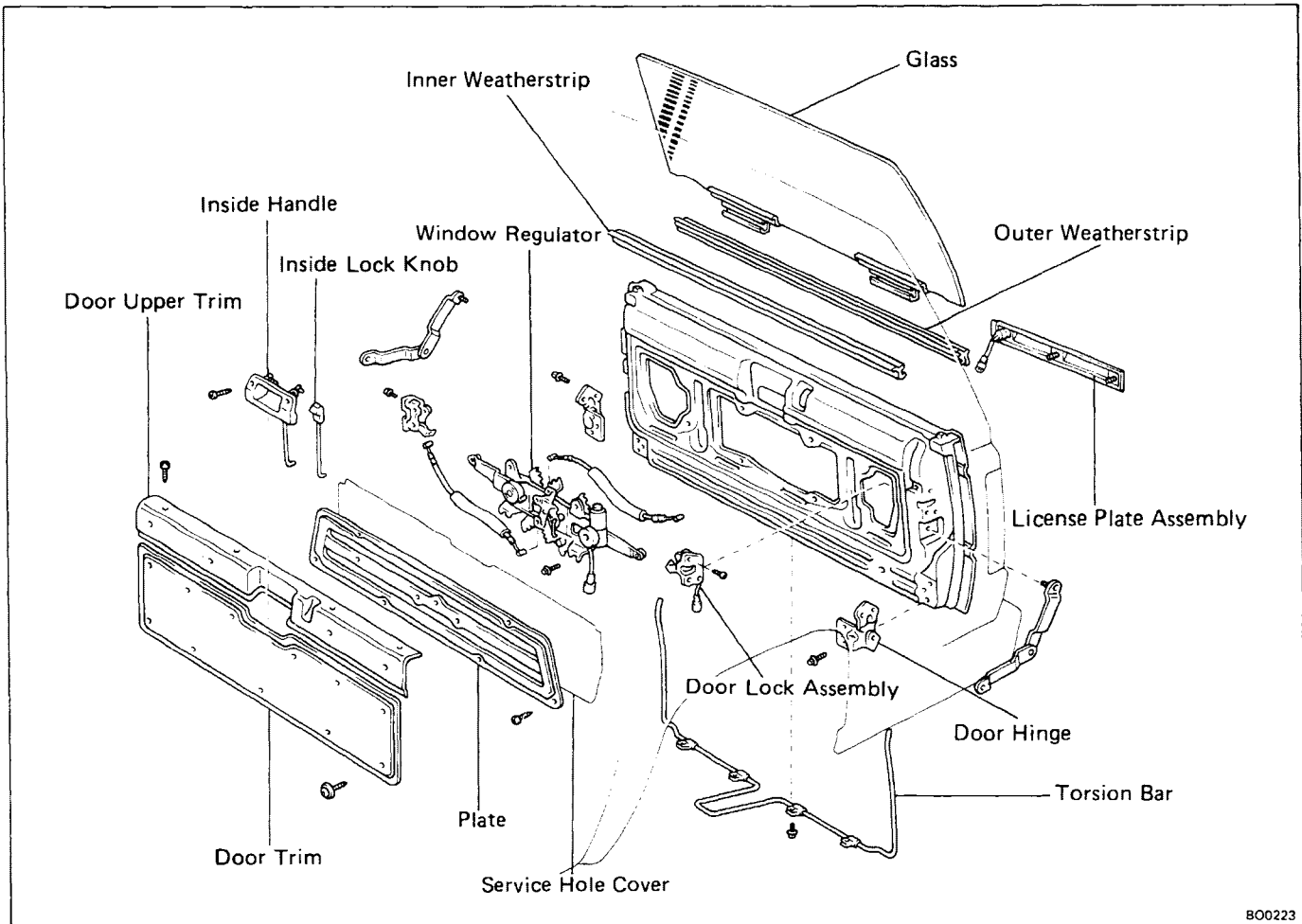
Loosen the door side hinge bolts to adjust.



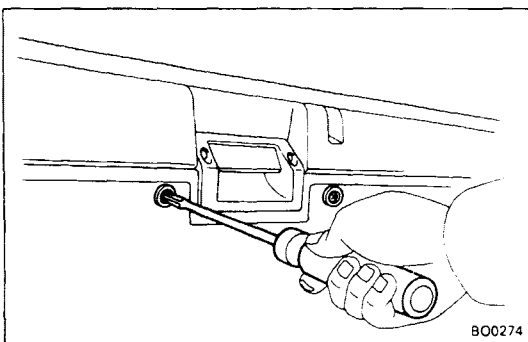
### 3. ADJUST DOOR LOCK STRIKER

- (a) Check that the door fit and door lock linkages are adjusted correctly.
- (b) Loosen the striker mounting screws to adjust.

## BACK DOOR COMPONENTS



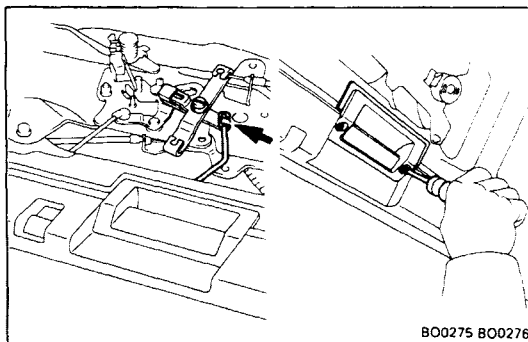
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### DISASSEMBLY OF BACK DOOR (POWER WINDOW OPERATIVE)

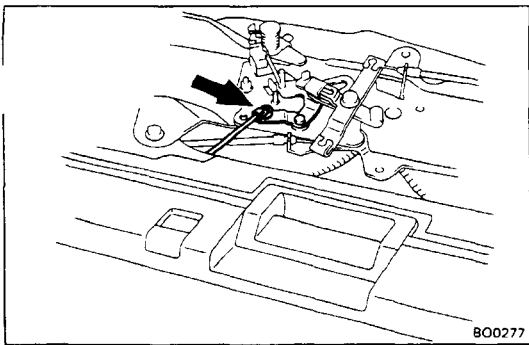
If the power window is not operative, see page BO-4.

1. REMOVE DOOR TRIM
2. REMOVE PLATE
3. REMOVE SERVICE HOLE COVER

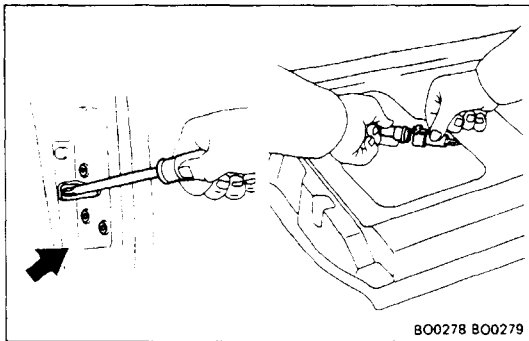


4. REMOVE INSIDE HANDLE

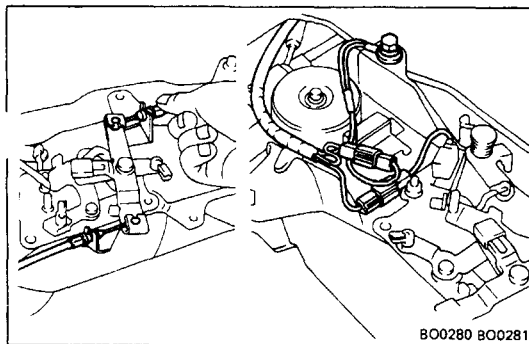
- (a) Disconnect the control link on the regulator side.
- (b) Remove the two screws.
- (c) Remove the inside handle assembly.

**5. REMOVE INSIDE LOCK KNOB AND LINK**

Disconnect the inside lock knob link on the regulator side, and remove it.

**6. REMOVE DOOR UPPER TRIM****7. REMOVE INNER WEATHERSTRIP****8. RAISE GLASS HALF OF FULL STROKE**

Using a screwdriver, move the locking assembly to the lock position and then raise the glass to where the arms of the regulator are in a straight line.

**9. DISCONNECT CONNECTOR FROM WINDOW REGULATOR MOTOR****10. DISCONNECT DOOR LOCK CONTROL CABLES**

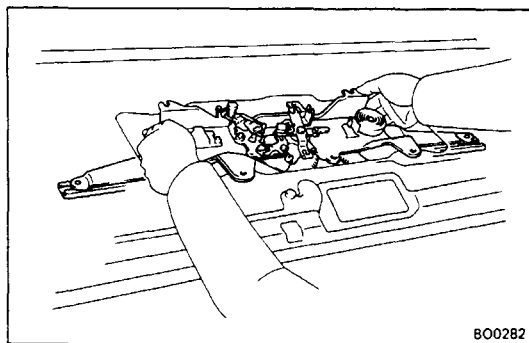
Disconnect the door lock control cables on the regulator side.

**11. DISCONNECT CONNECTORS AND GROUND CABLE**

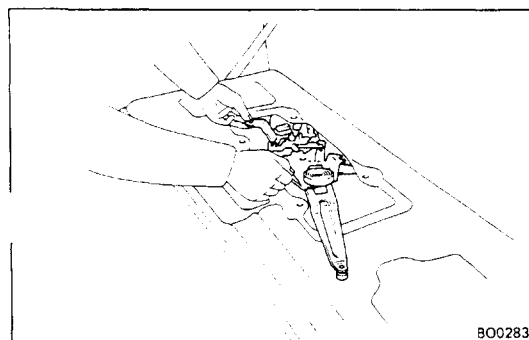
Disconnect the two connectors on the regulator and ground cable.

**12. REMOVE REGULATOR MOUNT BOLTS**

Remove the three regulator mount bolts.

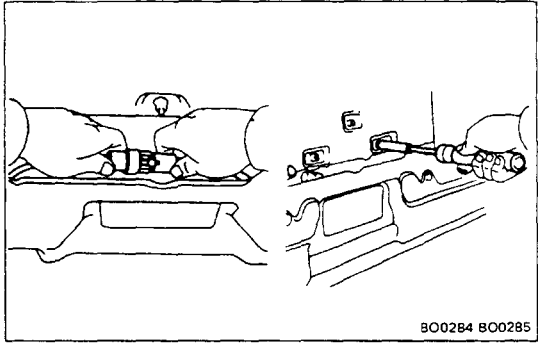
**13. SLIDE OUT REGULATOR ARMS FROM GLASS**

Slide the regulator left and right, and pull the arms from the glass channel.

**14. REMOVE GLASS****15. REMOVE REGULATOR**

First shift the regulator into the cavity and then pull it out.

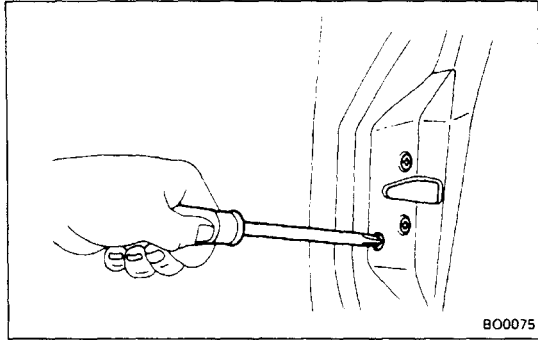
**16. REMOVE OUTER WEATHERSTRIP**



**17. DISCONNECT CONNECTOR FROM OUTER POWER WINDOW SWITCH**

**18. REMOVE LICENSE PLATE ASSEMBLY**

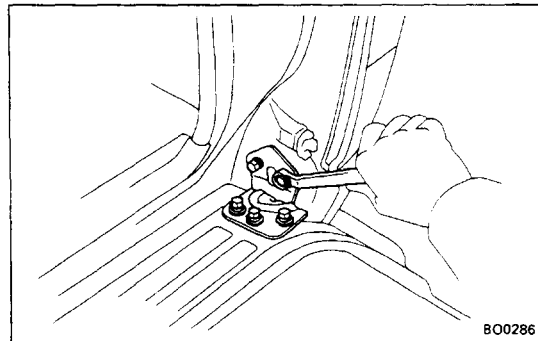
Remove the two nuts and a clip, and remove the license plate assembly.



**19. REMOVE DOOR LOCK ASSEMBLY**

- (a) Disconnect the connector from the door lock assembly. (LH side only)
- (b) Remove the three screws.
- (c) Pull out the door lock assembly from the cavity.

**20. PULL OUT WIRING FROM DOOR CAVITY**

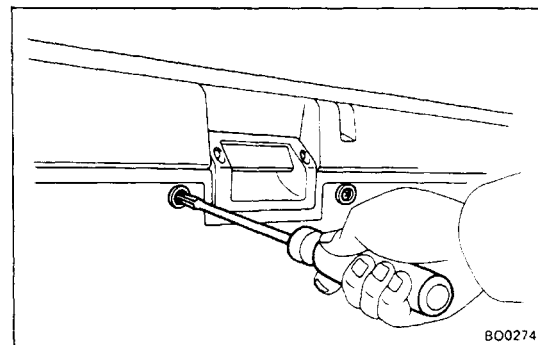


**21. REMOVE DOOR**

Remove the two bolts of the door hinge and remove the door.

NOTE: Place a shop cloth between the door and bumper so the door does not fall off and get damaged when the bolts are removed.

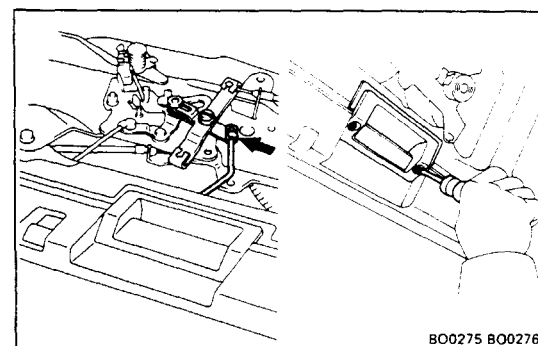
**22. REMOVE TORSION BAR FROM DOOR**



**(POWER WINDOW NOT OPERATIVE)**

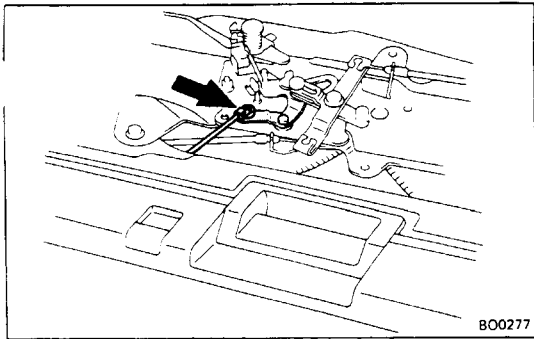
If the power window is operative, see page BO-2.

- 1. REMOVE DOOR TRIM**
- 2. REMOVE PLATE**
- 3. REMOVE SERVICE HOLE COVER**



**4. REMOVE INSIDE HANDLE**

- (a) Disconnect the control link on the regulator side.
- (b) Remove the two screws.
- (c) Remove the inside handle assembly.



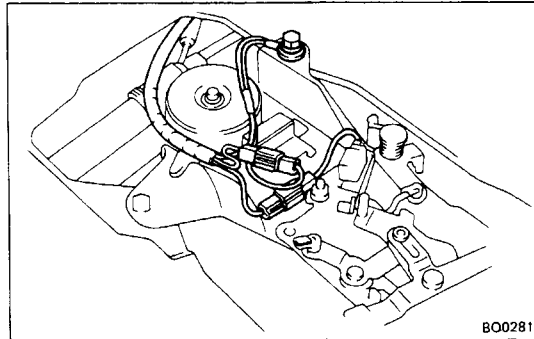
#### 5. REMOVE INSIDE LOCK KNOB AND LINK

Disconnect the inside lock knob link on the regulator side, and remove it.

#### 6. REMOVE DOOR UPPER TRIM

#### 7. REMOVE INNER WEATHERSTRIP

#### 8. DISCONNECT CONNECTOR FROM WINDOW REGULATOR MOTOR

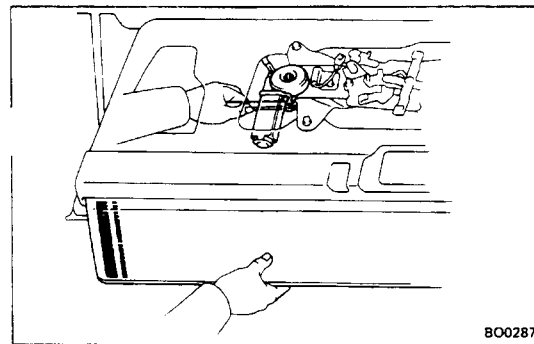


#### 9. DISCONNECT CONNECTORS AND GROUND CABLE

Disconnect the two connectors on the regulator and then disconnect the ground cable by removing the regulator mounting bolt to which it is attached.

#### 10. DISCONNECT DOOR LOCK CONTROL CABLES

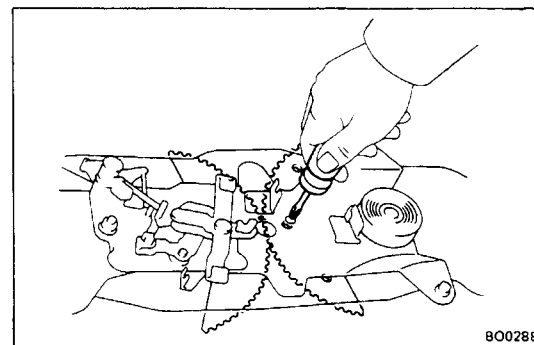
Disconnect the door lock control cables on the regulator side.



#### 11. REMOVE REGULATOR MOTOR

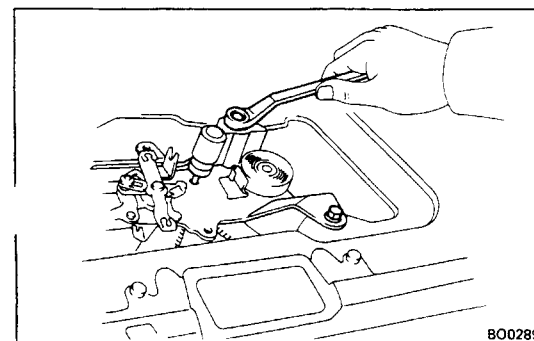
While holding the glass so it does not fly out, remove the regulator motor.

**CAUTION:** Never attempt to remove the regulator motor without holding the glass as there is danger of the regulator arm swinging up.



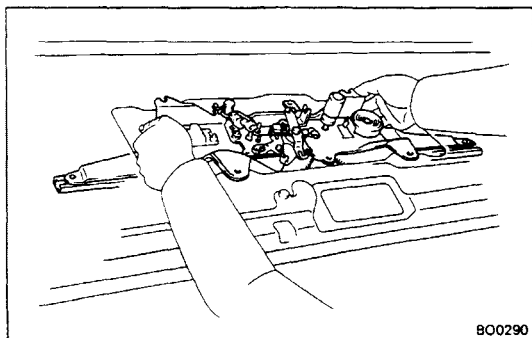
#### 12. LOCK REGULATOR ARM

- (a) Lower the glass to lowermost position, and open the back door by pulling the door lock control cables.
- (b) Raise the glass to horizontally position the regulator arms. Then insert a stubby screwdriver or such into a service hole in the regulator to secure the arms.



#### 13. REMOVE REGULATOR MOUNT BOLTS

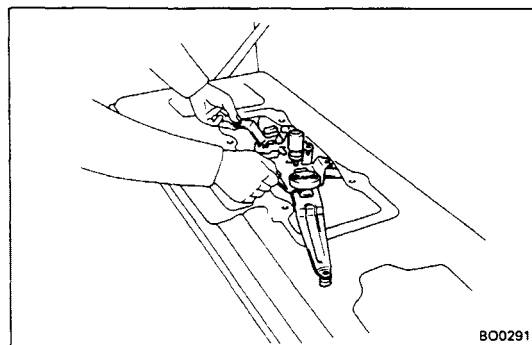
Remove the three regulator mount bolts.



#### 14. SLIDE OUT REGULATOR ARMS FROM GLASS

Slide the regulator left and right, and pull the arms from the glass channel.

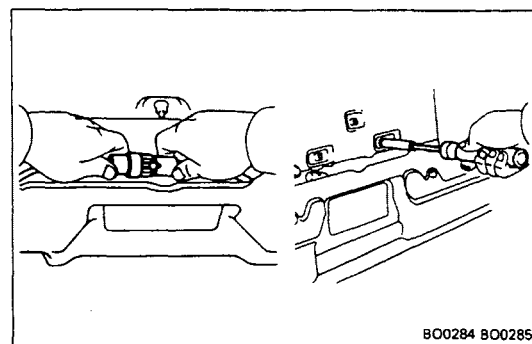
#### 15. REMOVE GLASS



#### 16. REMOVE REGULATOR

First shift the regulator into the cavity and then pull it out.

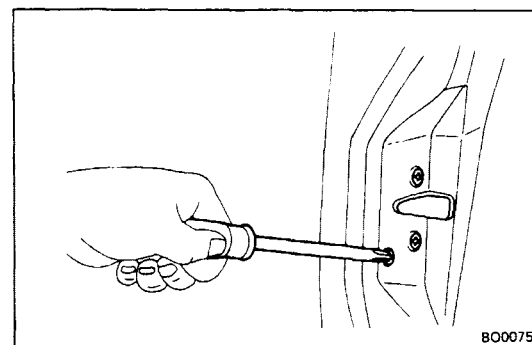
#### 17. REMOVE OUTER WEATHERSTRIP



#### 18. DISCONNECT CONNECTOR FROM OUTER POWER WINDOW SWITCH

#### 19. REMOVE LICENSE PLATE ASSEMBLY

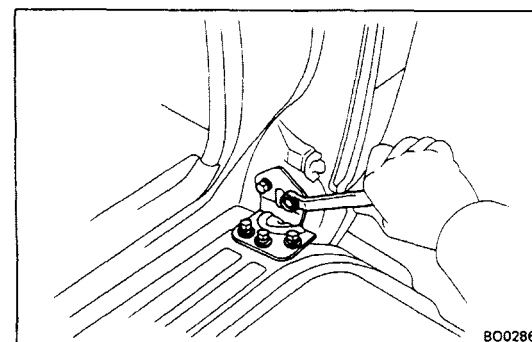
Remove the two nuts and a clip, and remove the license plate assembly.



#### 20. REMOVE DOOR LOCK ASSEMBLY

- (a) Disconnect the connector from the door lock assembly. (LH side only)
- (b) Remove the three screws.
- (c) Pull out the door lock assembly from the cavity.

#### 21. PULL OUT WIRING FROM DOOR CAVITY

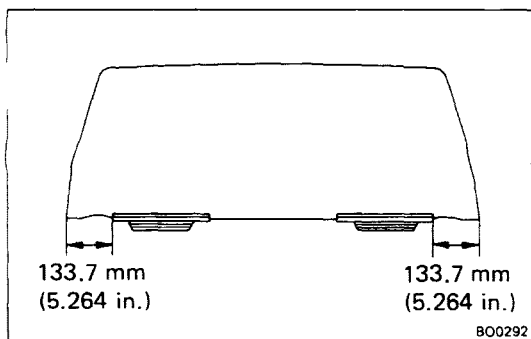


#### 22. REMOVE DOOR

Remove the two bolts of the door hinge and remove the door.

NOTE: Place a shop cloth between the door and bumper so that the door does not fall off and get damaged when the bolts are removed.

#### 23. REMOVE TORSION BAR FROM DOOR

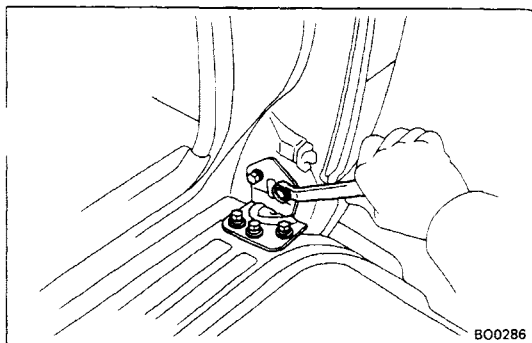


## REPLACEMENT OF GLASS

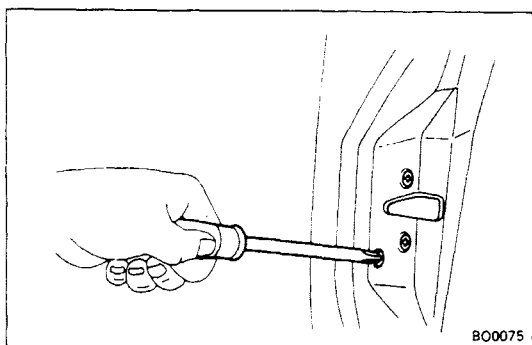
1. REMOVE GLASS CHANNEL WITH SCREWDRIVER OR SUCH
2. APPLY SOAPY WATER TO INSIDE OF WEATHERSTRIP
3. INSTALL NEW GLASS CHANNEL BY TAPPING IT WITH PLASTIC HAMMER

## ASSEMBLY OF BACK DOOR

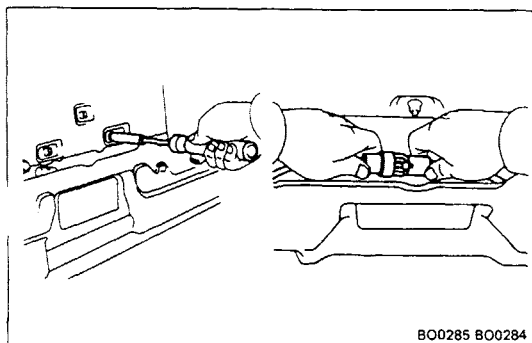
1. BEFORE INSTALLING PARTS, APPLY MP GREASE TO THEM
  - (a) Apply MP grease to the sliding surface, spring and gears of the window regulator.
  - (b) Apply MP grease to the sliding surface of the door lock.



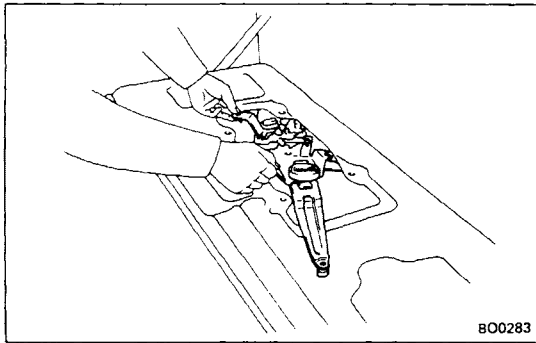
2. INSTALL TORSION BAR TO DOOR
3. INSTALL BACK DOOR  
Torque: 260 kg-cm (19 ft-lb, 25 N·m)
4. INSTALL WIRING INTO DOOR CAVITY



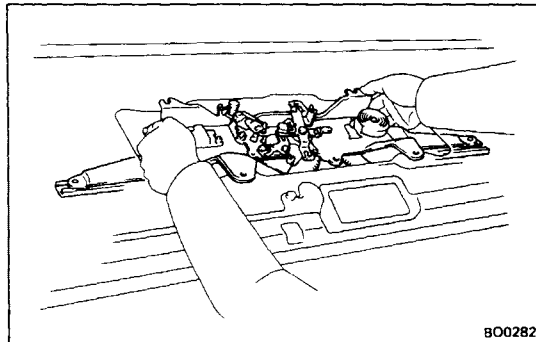
5. INSTALL DOOR LOCK ASSEMBLY
  - (a) Install the door lock assembly to the door cavity.
  - (b) Install the three screws.
  - (c) Connect the connector to the door lock assembly. (LH side only)



6. INSTALL LICENSE PLATE ASSEMBLY  
Install the two nuts and a clip, and install the license plate assembly.
7. CONNECT CONNECTOR TO OUTER POWER WINDOW SWITCH
8. INSTALL OUTER WEATHERSTRIP

**9. INSTALL REGULATOR**

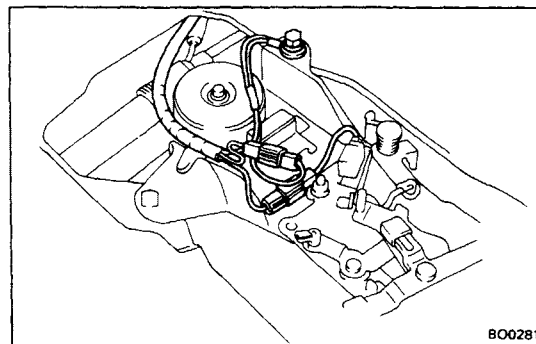
NOTE: Before placing the regulator into the cavity, first install the motor and position the arms in a straight line.

**10. INSTALL GLASS****11. SLIDE REGULATOR ARMS INTO GLASS**

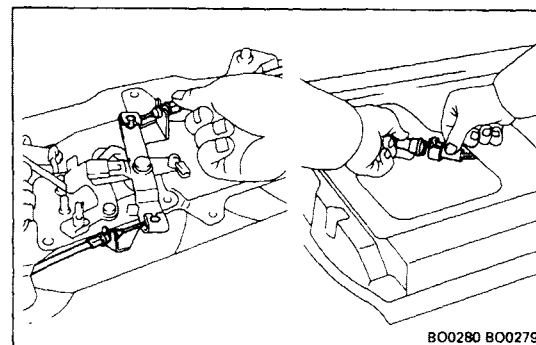
Slide the regulator left and right to insert the arms into the glass channel.

**12. INSTALL REGULATOR MOUNT BOLTS**

Install the three mount bolts.

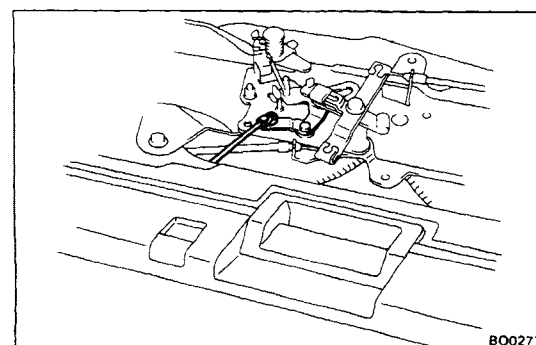
**13. CONNECT CONNECTORS AND GROUND CABLE**

Connect the two connectors on the regulator, and connect the ground cable with the regulator mount bolt.

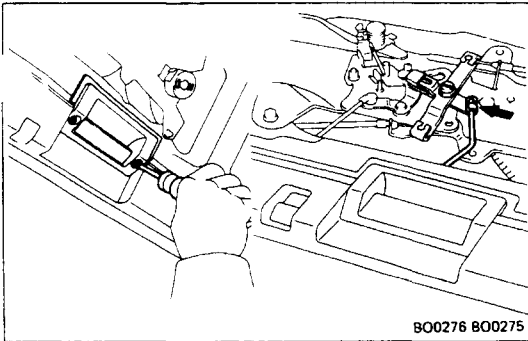
**14. CONNECT DOOR LOCK CONTROL CABLES**

Connect the door lock control cables on the regulator side.

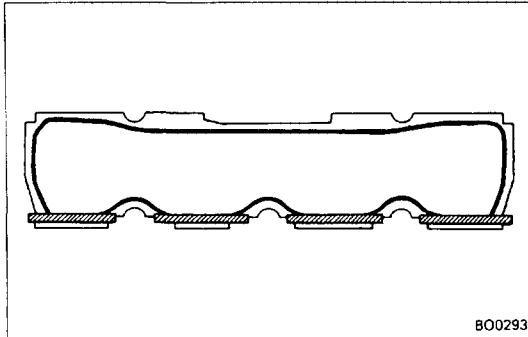
NOTE: When connecting the door lock control cables, clamp them in the original clamps.

**15. CONNECT CONNECTOR TO WINDOW REGULATOR MOTOR****16. INSTALL DOOR UPPER TRIM****17. INSTALL INNER WEATHERSTRIP****18. INSTALL INSIDE LOCK KNOB AND LINK**

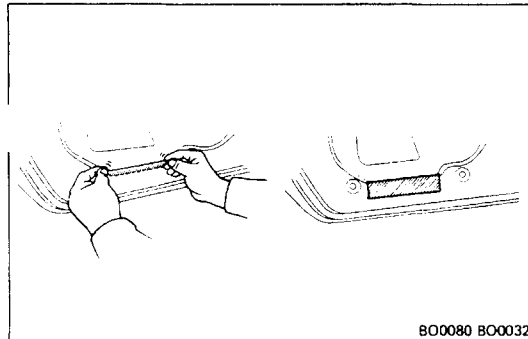


**19. INSTALL INSIDE HANDLE**

- (a) Install the inside handle and two screws.
- (b) Connect the control link.

**20. INSTALL SERVICE HOLE COVER**

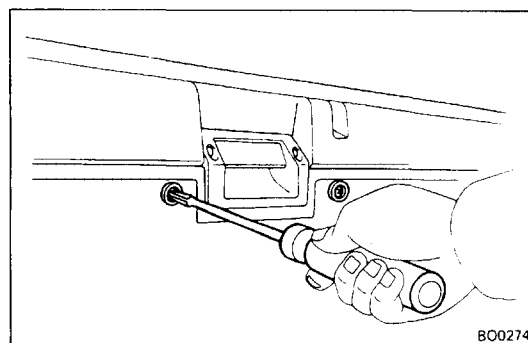
- (a) Seal the service hole cover with butyl tape (6 mm or 0.24 in. width).



- (b) Insert the lower edge of the service hole cover into the panel slit.

- (c) Seal the panel slit with cotton tape.

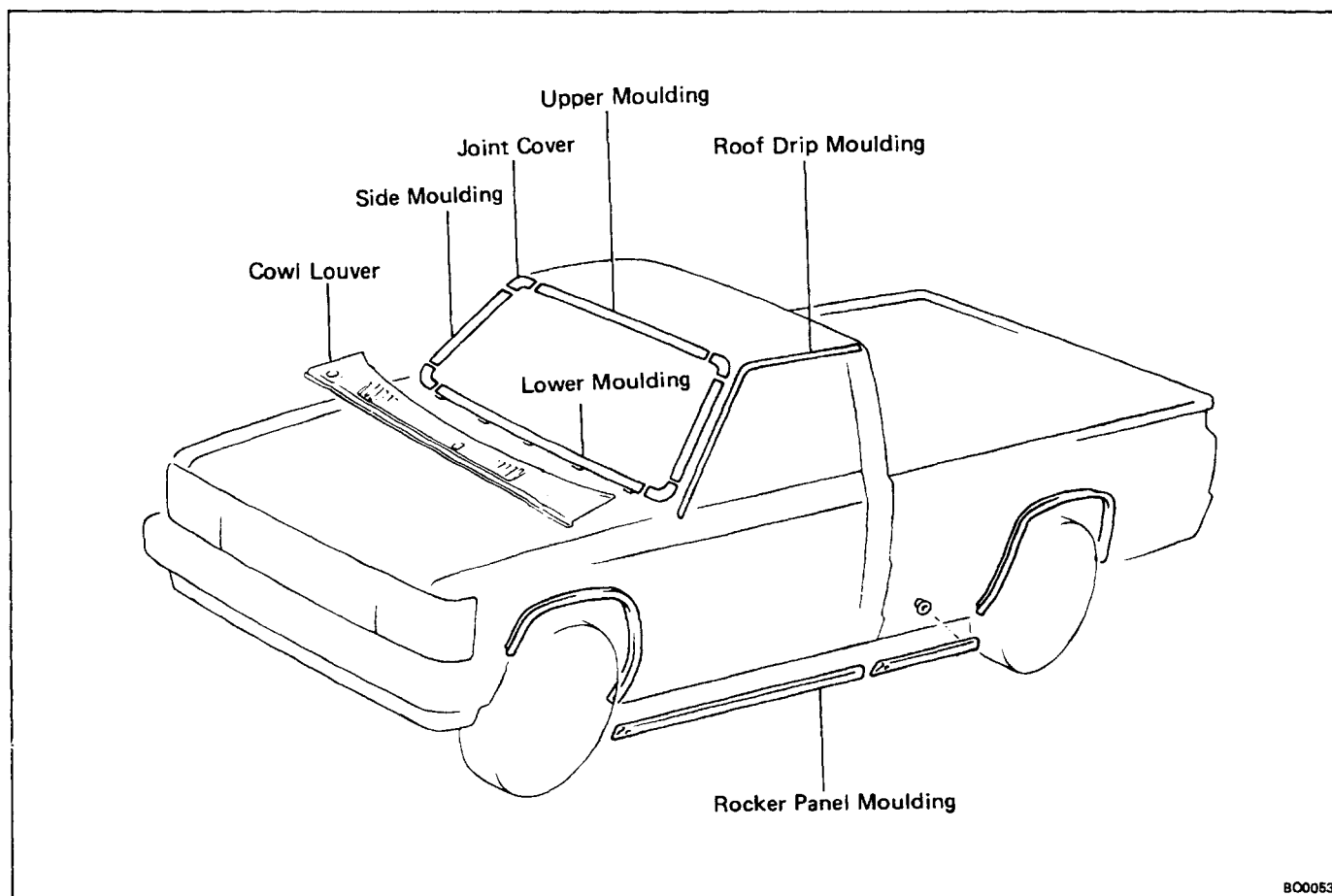
**CAUTION:** Do not block the trim clip seating with the tape.

**21. INSTALL PLATE****22. INSTALL DOOR TRIM**

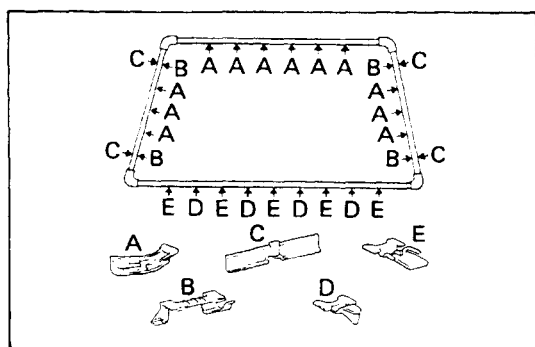
# MOULDING

## Windshield Outside Moulding

### COMPONENTS



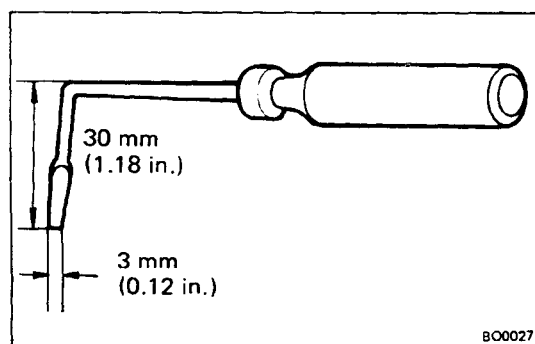
B00053



### REMOVAL OF OUTSIDE MOULDING

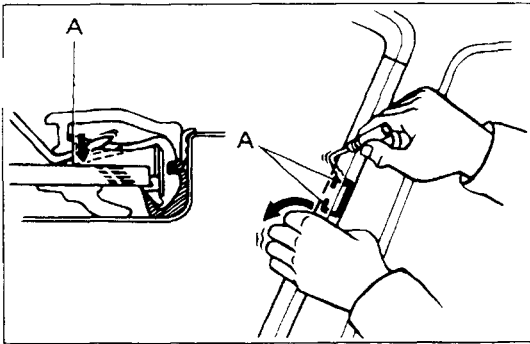
There are two types of clips for moulding installation. Locations of these clips and fasteners are as shown in the figure.

Carefully apply adhesive tape to protect the body.



B00027

1. **PREPARE A SMALL SCREWDRIVER**  
Use a screwdriver bent at right angle.
2. **REMOVE LOWER JOINT COVER**



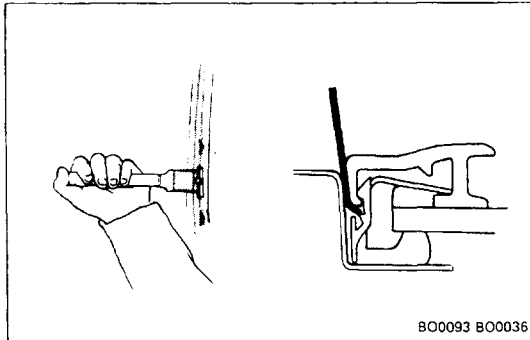
### 3. REMOVE SIDE MOULDING

- (a) Insert the tip of the screwdriver between the moulding and clip, and twist it to pry loose the clasps (A) on the window side.

- (b) Pry loose the fasteners and clips and remove the moulding.

### 4. REMOVE UPPER JOINT COVER

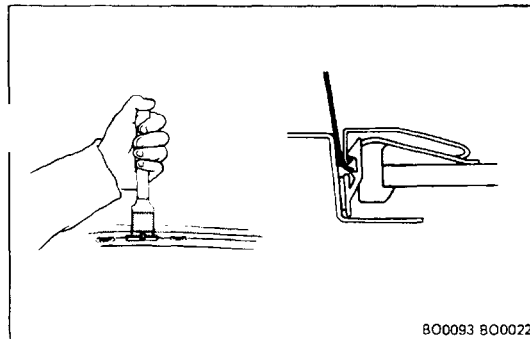
Remove the joint cover from the upper moulding.



800093 800036

### 5. REMOVE UPPER MOULDING

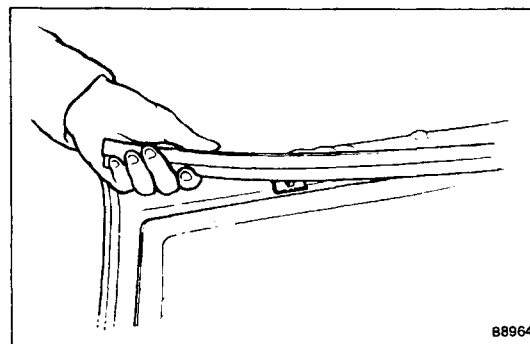
- (a) Pry loose the fasteners and clips.



800093 800022

- (b) Slide the moulding out.

NOTE: Do not bend the moulding.



88964

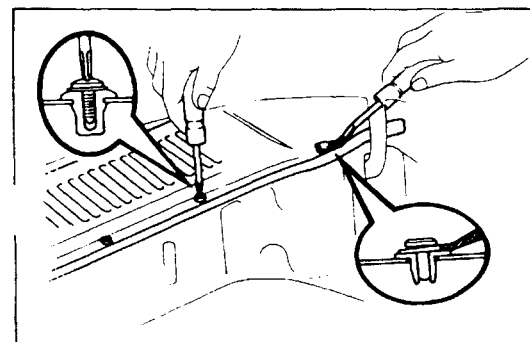
### 6. REMOVE WIPER ARM

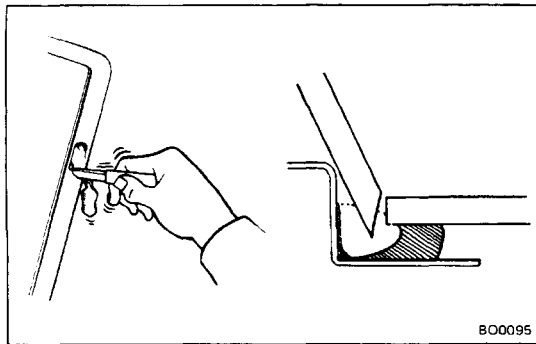
### 7. REMOVE COWL LOUVER

Remove the two clips and three screws, then and remove the cowl louver.

### 8. REMOVE LOWER MOULDING

Remove the screws and the moulding.





## REPLACEMENT OF FASTENER AND CLIP

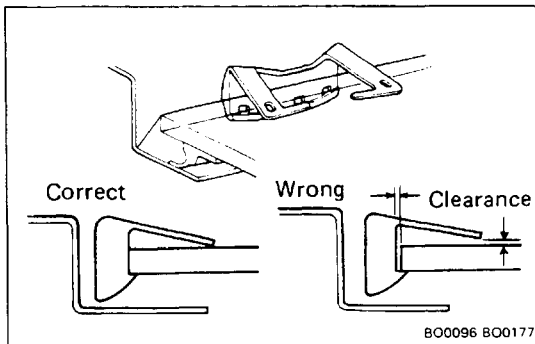
If any fastener or clip is damaged, replace it.

1. **REMOVE DAMAGED CLIP**
2. **CUT OFF OLD ADHESIVE AROUND CLIP INSTALLATION AREA**

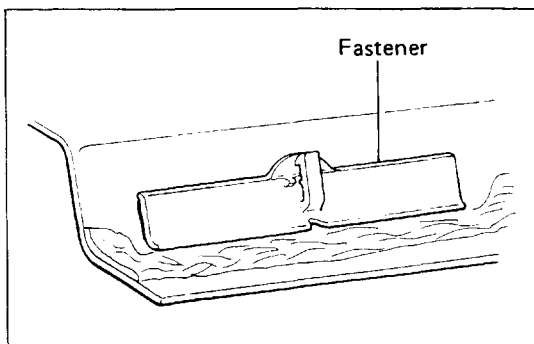
(a) Grind a notch into the clip so it latches onto the glass edge.

(b) Temporarily install the clip and insure that it is firmly attached to the glass.

If the clip is loose, replace it.

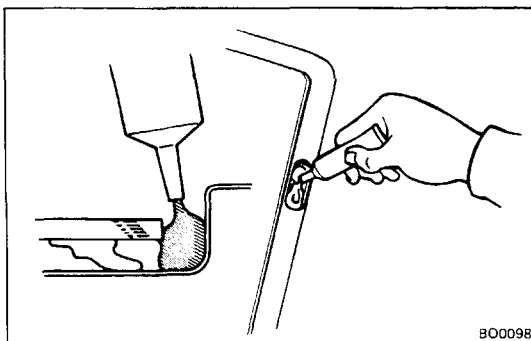
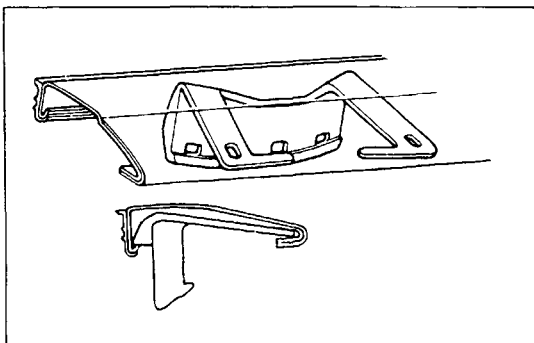


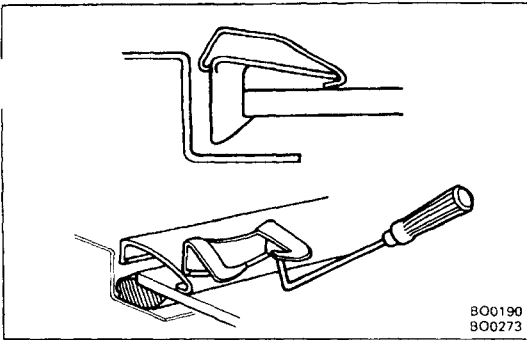
3. **REMOVE ANY DAMAGED FASTENER**
4. **CUT OFF OLD ADHESIVE AROUND FASTENER INSTALLATION AREA**
5. **INSTALL FASTENER ONTO BODY WITH DOUBLE-STICK TAPE**



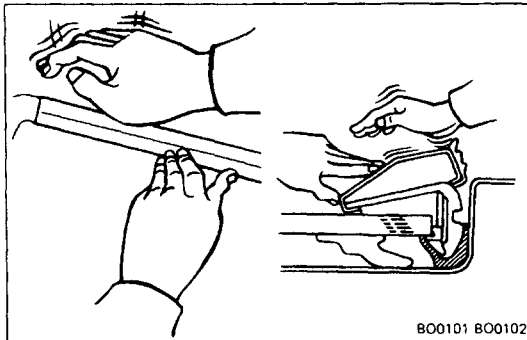
## INSTALLATION OF OUTSIDE MOULDING

1. **INSTALL LOWER MOULDING**  
Install the six screws and the moulding.
2. **INSTALL COWL LOUVER**  
Install the two clips, three screws and the cowl louver.
3. **INSTALL WIPER ARM**
4. **INSTALL NEW CLIP INTO MOULDING**  
Install the moulding to the body so that the clips and fasteners are not in a position where they will contact each other.
5. **APPLY ADHESIVE AT CLIP INSTALLATION AREA**

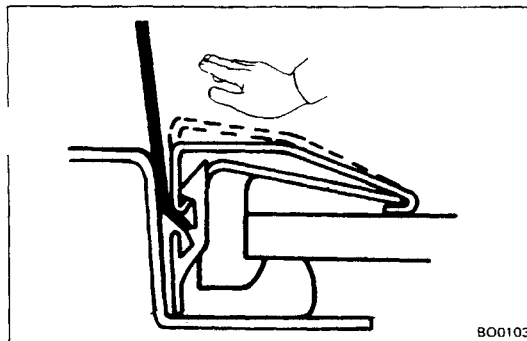


**6. INSTALL UPPER MOULDING**

- (a) Place the moulding onto the body.
- (b) Pry up the clips on the body side and install them to the moulding.



- (c) Tap the moulding with your hand to fasten the clips at the glass edge.  
At the same time, tap on the fasteners by hand.

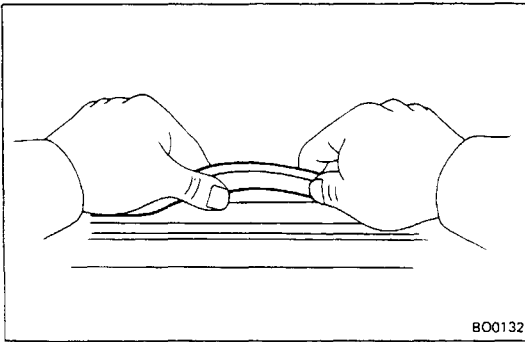


- (d) If the moulding is not at the same level as the body, insert a scraper between them and tap on the moulding while pushing on the fastener.

**7. INSTALL JOINT COVER**

Install the joint cover to the upper moulding and lower moulding.

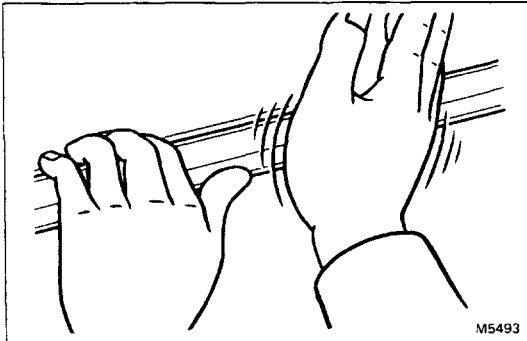
**8. INSTALL SIDE MOULDING IN SAME MANNER AS UPPER MOULDING**



## REMOVAL OF ROOF DRIP MOULDING

### REMOVE ROOF DRIP MOULDING

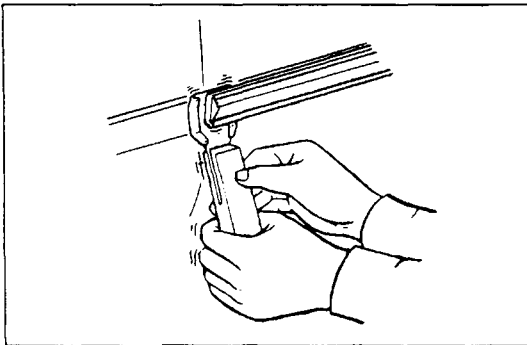
Remove the roof drip moulding by hand.



## INSTALLATION OF ROOF DRIP MOULDING

### INSTALL ROOF DRIP MOULDING

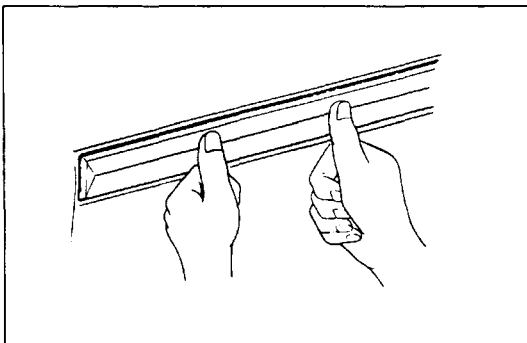
Attach the upper edge of the moulding to the body flange. Tap on the moulding by hand.



## REMOVAL OF ROCKER PANEL MOULDING

### REMOVE ROCKER PANEL MOULDING

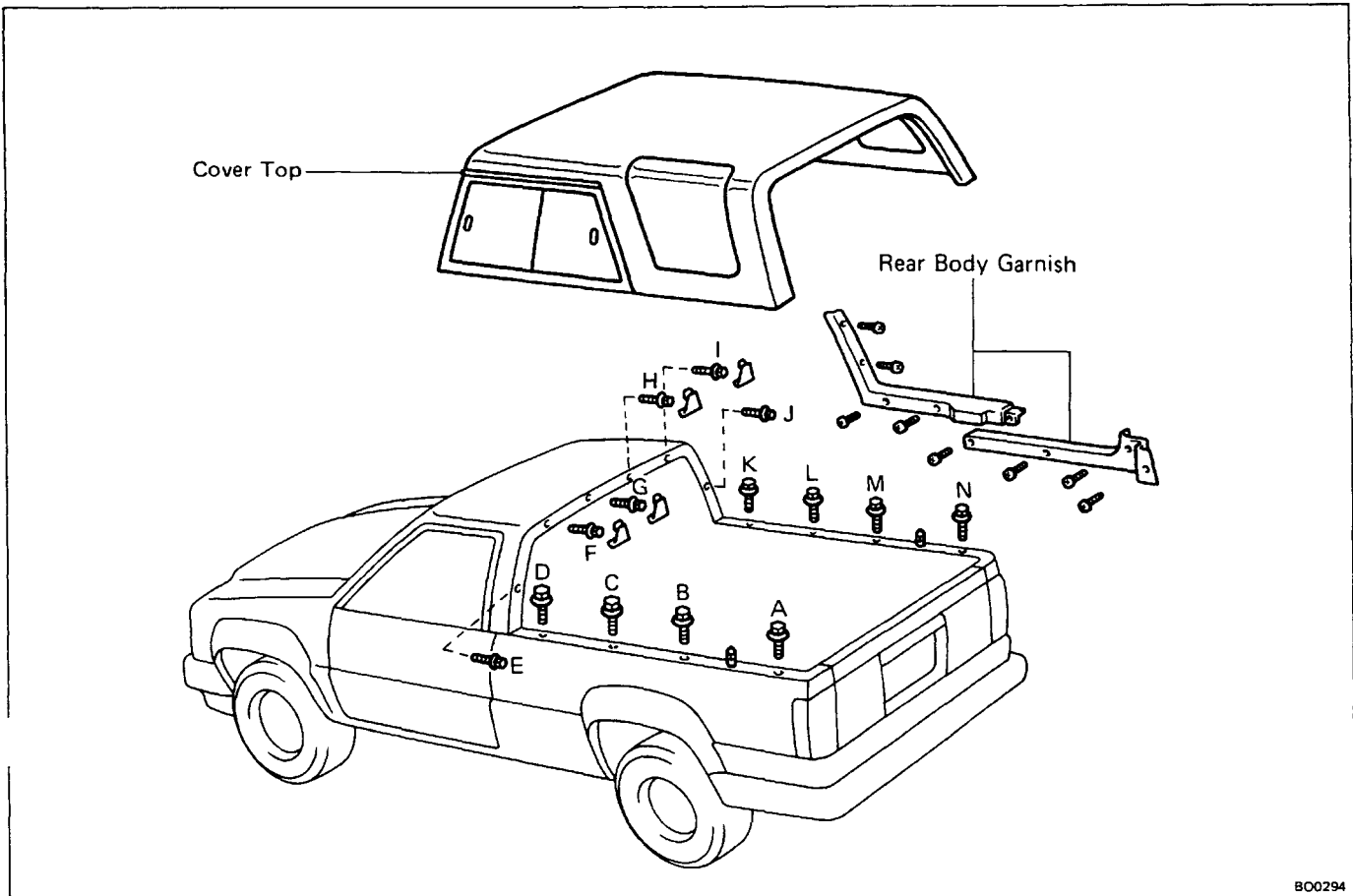
- (a) Remove the set screw.
- (b) Using a scraper, pry loose the clip and remove the moulding.



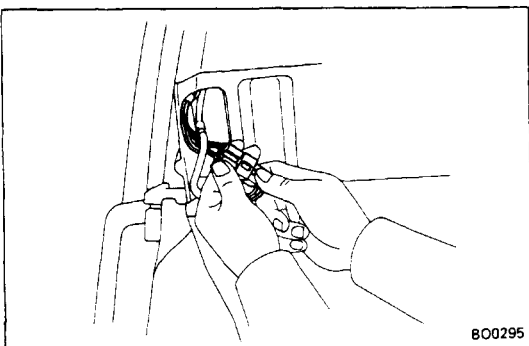
## INSTALLATION OF ROCKER PANEL MOULDING

- (a) Install the moulding by hand.
- (b) Install the set screw.

## COVER TOP COMPONENTS



BO0294

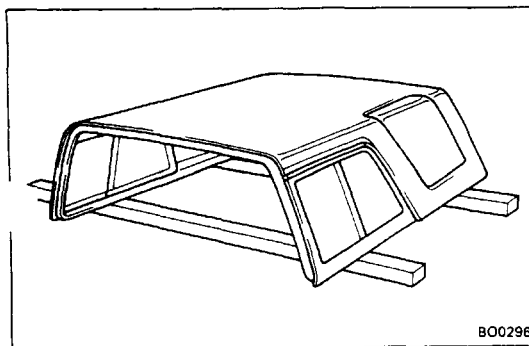


BO0295

### REMOVAL OF COVER TOP

1. OPEN BACK WINDOW FULLY
2. REMOVE REAR BODY GARNISHES
3. DISCONNECT CONNECTOR AND WASHER HOSE

The connector and washer hose are located on the LH side of the rear body.



BO0296

### 4. REMOVE COVER TOP

- (a) Remove bolt "B".

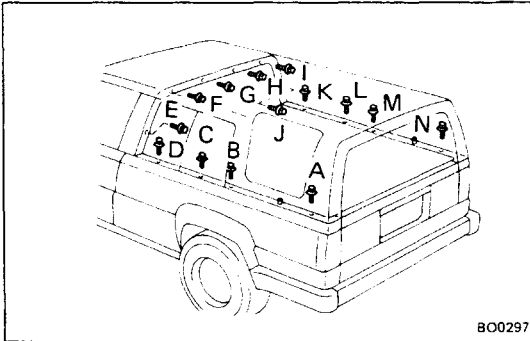
NOTE: The cover top switch is turned off when bolt "B" is removed. In this condition back door power window cannot be operated.

- (b) Remove the other bolts.
- (c) Take the cover top off.

NOTE: After removing the cover top, place it on pieces of lumber and do not let it come into direct contact with the ground. Do not place anything on top of the cover.

**CAUTION:**

1. While the cover top is removed, never reinstall bolt "B" for the purpose of operating the back door power window.
2. If bolt "B" is installed to the deck directly, the cover top switch may get damaged due to over protrusion of the bolt.



800297

**INSTALLATION OF COVER TOP**
**1. INSTALL COVER TOP TO FIT PROPER POSITION  
IN FOLLOWING PROCEDURE**

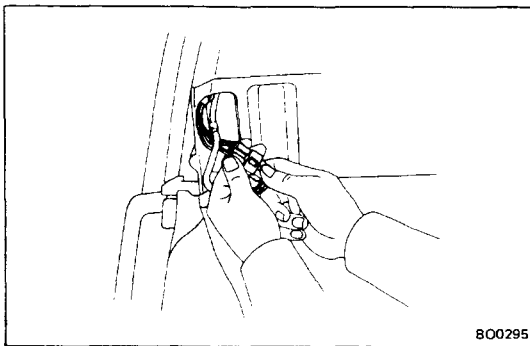
**CAUTION:** Use only genuine Toyota cover top bolts.

Part No. 90119-08171 or equivalent

- (a) Place the cover top on the deck.
- (b) Tighten bolts "E" and "J".
- (c) Tighten bolts "C" and "L".
- (d) Loosen bolts "E" and "J".
- (e) Tighten bolts "D" and "K".
- (f) Retighten bolts "E" and "J".
- (g) Tighten the other bolts except for bolt "B".
- (h) Tighten the bolt "B".

**NOTE:** In this condition as the end of bolt "B" makes contact with the cover top switch, the switch should be o

**Torque:** 145 kg-cm (10 ft-lb, 14 N·m)



800295

**2. CONNECT CONNECTOR AND WASHER HOSE**

The connector and washer hose are located on the rear body LH side.

**3. INSTALL REAR BODY GARNISHES**
**4. CLOSE BACK DOOR AND CHECK OPERATION OF  
BACK DOOR POWER WINDOW**



## WINDSHIELD

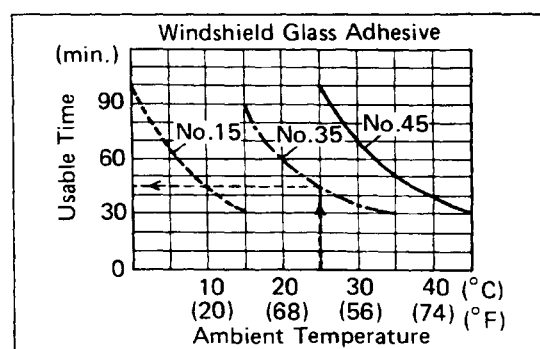
### TOOLS AND SUPPLIES

Part name and Part No.	Contents of set	Quantity
<b>Adhesive set</b> <b>08850-00070</b> [0 — 15°C (32 — 59°F)] <b>08850-00080</b> [15 — 35°C (59 — 95°F)] <b>08850-00090</b> [35 — 45°C (95 — 113°F)]	Main agent 500 g (17.64 oz) Hardening agent 75 g (2.65 oz) Primer G [for glass] 20 g (0.71 oz) Primer M [for body] 20 g (0.71 oz) Sponge for applying primer Piano wire 0.6 mm dia. x 1 m (0.024 in. dia x 39.37 in.) Cartridge	1 can 1 ea. 1 ea. 1 ea. 1 ea. 1 ea. 1 ea.
<b>Dam kit</b> <b>04562-30030</b>	Dam Double-stick tape (for sticking on dam)	
	Sealant gun (for applying adhesive) Glass or steel sheet (for mixing adhesive) Putty spatula (for mixing adhesive and correcting adhered parts) Solvent (alcohol, lead-free gasoline) for cleaning adhering surfaces	

Ambient temperature	Part No.	Part name
0 — 15°C (32 — 59°F)	08850-00070	Windshield glass adhesive set No. 15
15 — 35°C (59 — 95°F)	08850-00080	Windshield glass adhesive set No. 35
35 — 45°C (95 — 113°F)	08850-00090	Windshield glass adhesive set No. 45

#### 1. CHOOSE SUITABLE ADHESIVE SET

Use an adhesive set suitable for the ambient temperature.

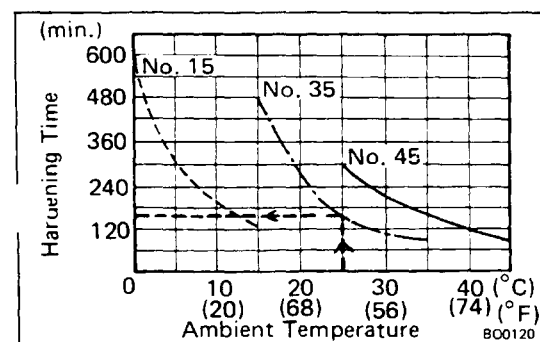


#### 2. CHECK ADHESIVE USABLE TIME

After the mixing main and hardening agents, finish glass installation within the specified time as shown.

Example:

For glass installation in an ambient temperature of 25°C (77°F), apply adhesive set No. 35 within 45 minutes.



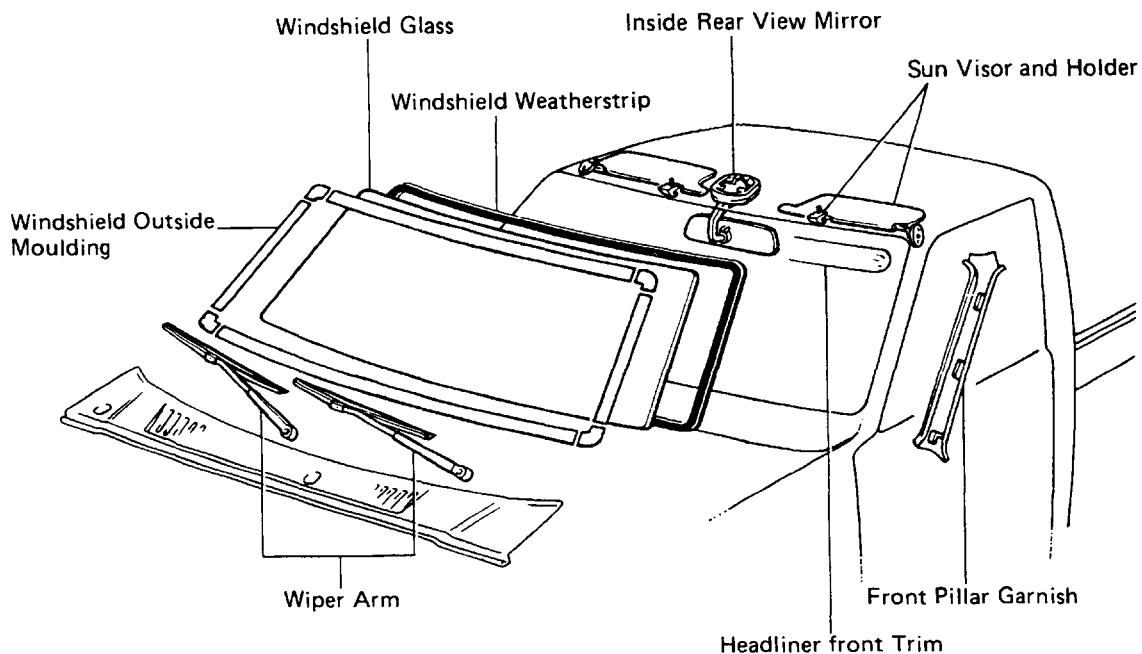
#### 3. CHECK ADHESIVE HARDENING TIME

First, mix the main and hardening agents. Then, perform a leak test only after the hardening time has elapsed.

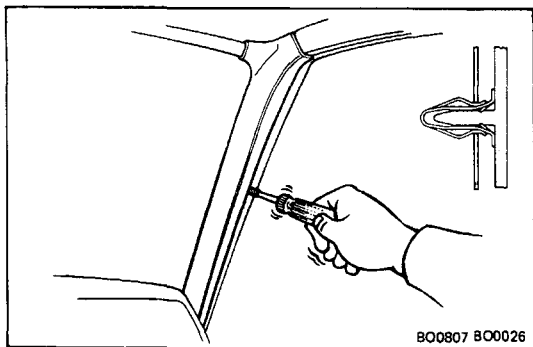
Example:

The hardening time for adhesive set No. 35 with an ambient temperature of 25°C (77°F) is 2 1/2 hours.

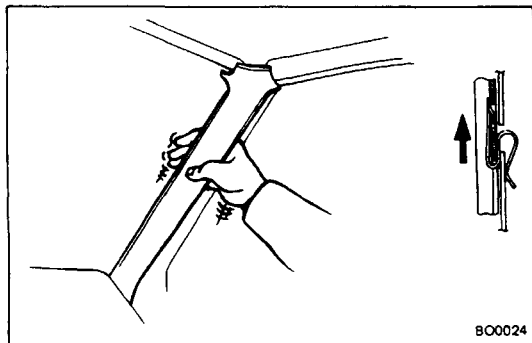
**CAUTION:** Do not drive the vehicle until at least double the hardening time has elapsed.

**COMPONENTS****REMOVAL OF WINDSHIELD****1. REMOVE FRONT PILLAR GARNISH**

(a) Pry out the clips with a screwdriver.



(b) Pull the garnish upward to remove it.



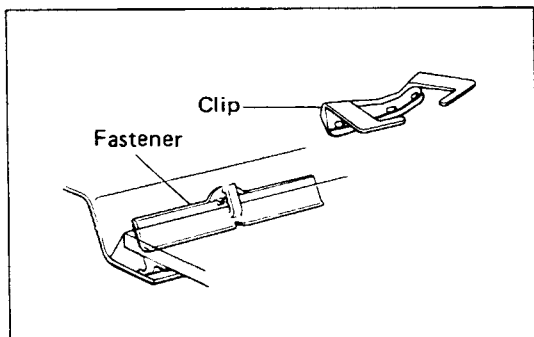
**2. REMOVE FOLLOWING PARTS:**

- (a) Inner rear view mirror
- (b) Roof headliner front trim
- (c) Sun visor and holder

**3. REMOVE WIPER ARM****4. REMOVE WINDSHIELD MOULDING (See page BO-26)****5. REMOVE CLIPS**

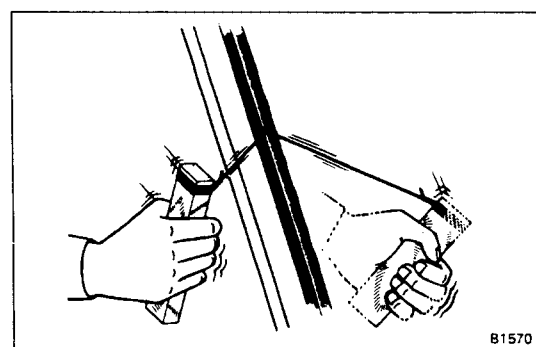
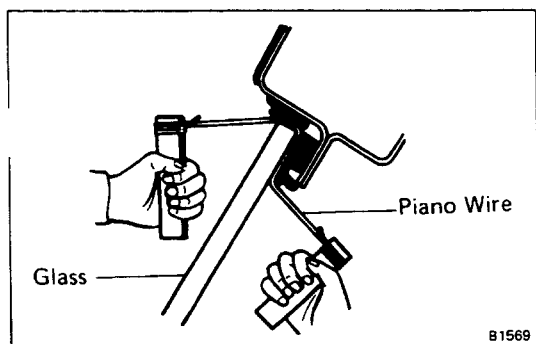
Be careful not to damage the clips when removing them from around the glass.

**NOTE:** Do not remove the fasteners, but replace any that are deformed.

**6. REMOVE WINDSHIELD GLASS**

- (a) Push piano wire through from the interior.
- (b) Tie both wire ends to a wooden block or equivalent.

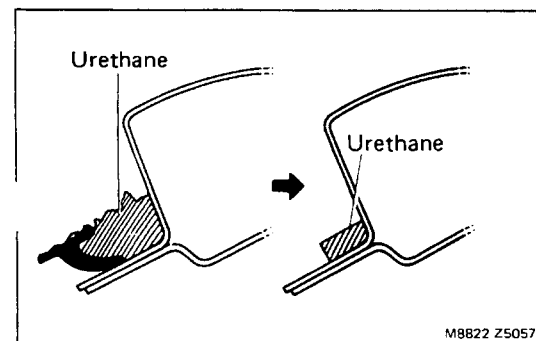
**CAUTION:** When separating, take care not to damage the paint or interior and exterior ornaments.



- (c) Cut the adhesive by pulling the piano wire around it.

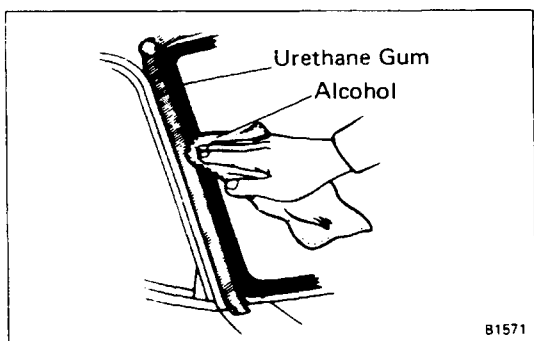
- (b) Remove the glass.

**CAUTION:** Cut off the glass, leaving as much of the urethane layer on the body as possible.

**INSPECTION AND CLEANING****1. CLEAN CONTACT SURFACE OF BODY**

- (a) Remove any dam remaining on the body.

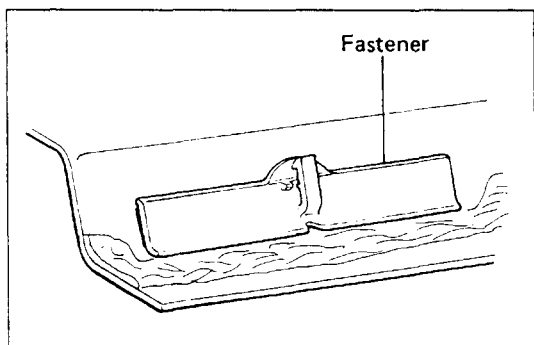
**NOTE:** Leave as much urethane layer on the body as possible.



- (b) Clean the cutting surface of the urethane gum with a piece of cloth saturated in solvent (alcohol).

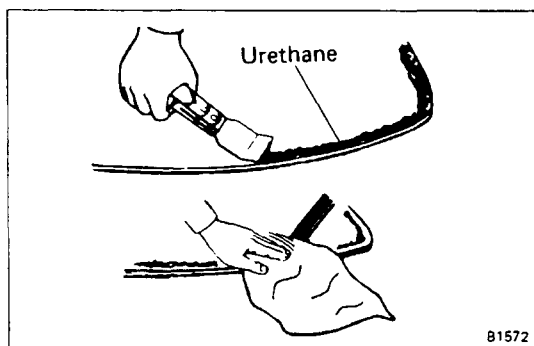
## 2. IF FASTENERS ARE DAMAGED

- Remove any damaged fastener.
- Cut off the old adhesive around the fastener installation area.
- Install a new fastener.



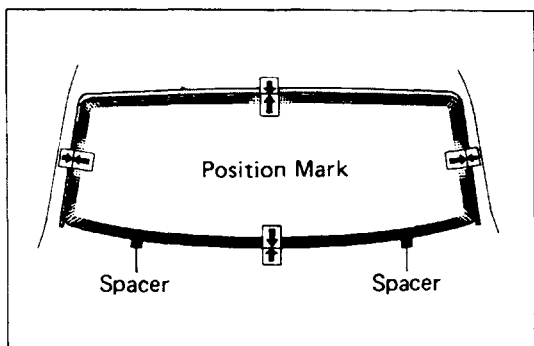
## 3. CLEAN REMOVED GLASS BEFORE INSTALLATION

- Using a scraper, remove the urethane gum sticking to the glass.
- Clean the glass with alcohol.



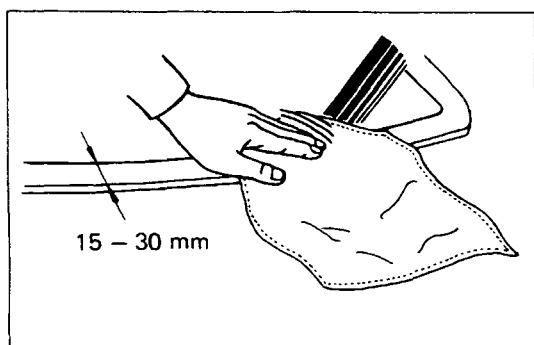
## 4. POSITION GLASS

- Place the glass in correct position.
- Check that all contacting parts of the glass rim are perfectly even and do not make contact with the fasteners.
- Make reference marks between the glass and body.
- Remove the glass.



## 5. CLEAN CONTACT SURFACE OF GLASS

Using alcohol or similar solvent, clean the contact surface 15 – 30 mm (0.59 – 1.18 in.) wide around the entire glass rim.



## INSTALLATION OF WINDSHIELD

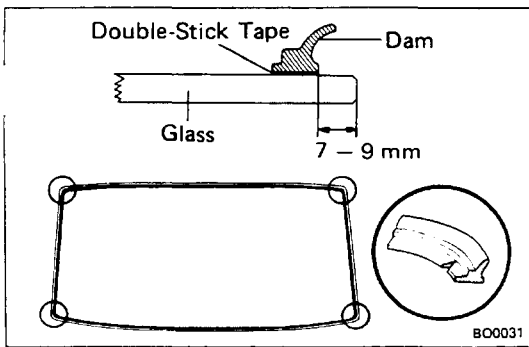
### 1. INSTALL DAM

- Apply double-stick tape at a point 7 — 9 mm (0.28 — 0.35 in.) from the glass rim.

- Place the dam on the double-stick tape.

NOTE: Cut a V-wedge into the corner folds of the dam.

CAUTION: Do not touch the glass face after cleaning it.

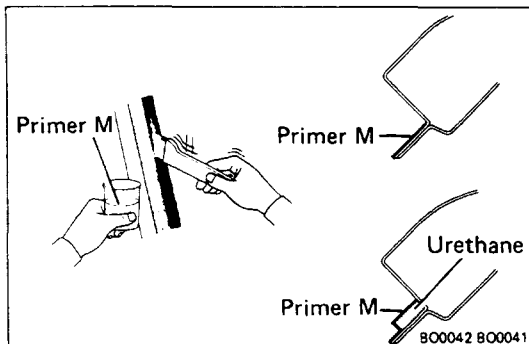


### 2. COAT CONTACT SURFACE OF BODY WITH PRIMER "M"

Using a brush, coat the contact surface on the body with Primer M.

CAUTION:

- Let the Primer coating dry for 10 minutes or more. Make sure that the installation of the glass is finished within 2 hours.
- Use care not to leave any part of the contact surface uncoated or excessively coated, as Primer M and G serve to boost the adhesive power of the urethane to the glass or body.
- Do not keep any of the opened Primer M and G for later use.

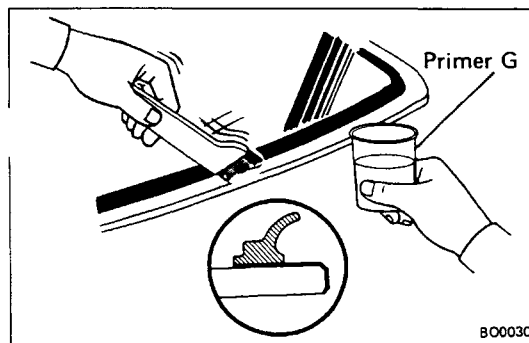


### 3. COAT CONTACT SURFACE OF GLASS WITH PRIMER "G"

- Using a brush or sponge, coat the edge of the glass and the contact surface with Primer G.

- Before the primer dries, wipe it off with a clean cloth.

CAUTION: Be sure that installation of the glass is finished within 70 minutes.



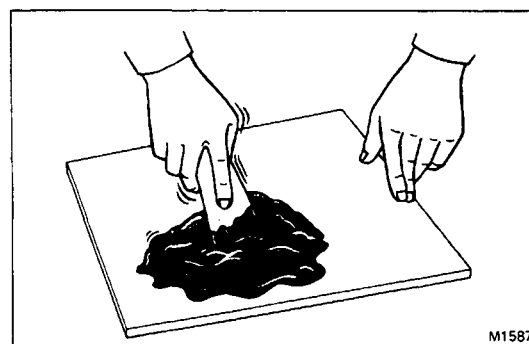
### 4. MIX ADHESIVE COATING

CAUTION:

- Be sure that installation of the glass is finished within usable time. (See step 2 on page BO-15)
- The mixture should be made in 5 minutes or less.

- Thoroughly clean the glass plate and putty spatula with solvent.

- Using a putty spatula, thoroughly mix the main 500 g (17.64 oz) and hardening agents 75 g (2.65 oz) on a glass plate or such.



### 5. APPLY ADHESIVE

- Cut off the tip of the cartridge nozzle, making a hole 5 mm (0.20 in.) in diameter. Fill the cartridge with adhesive.

- Load the cartridge into the sealer gun.

- Coat the glass with adhesive on all contact surfaces along the ridge.

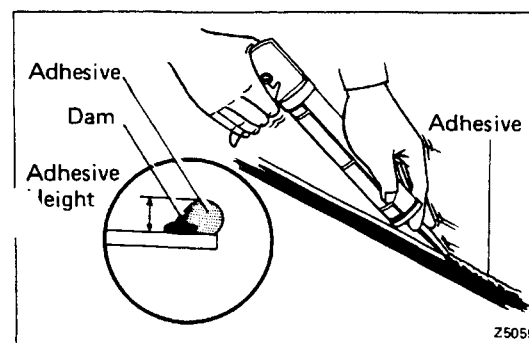
Adhesive thickness:

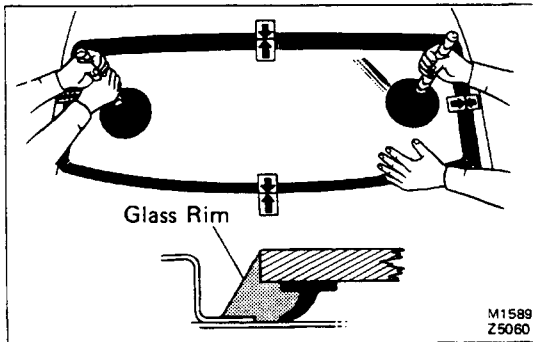
If there is adhesive on the body

3.5 — 5.0 mm (0.138 — 0.197 in.)

If there is no adhesive on the body

8 — 10 mm (0.31 — 0.39 in.)





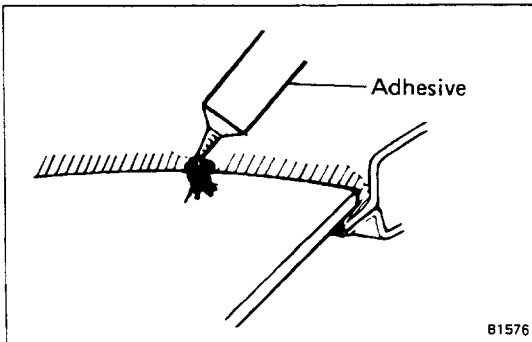
## 6. INSTALL GLASS

- Position the glass so that the reference marks are lined up, and press in gently along the rim.
- Using a spatula, apply adhesive to the glass rim.
- Use a spatula to remove any excess or protruding adhesive.
- Fasten the glass securely until the adhesive sets.

## 7. INSPECT FOR LEAKS AND REPAIR

- Perform a leak test after the hardening time has elapsed.
  - Seal any leak with adhesive or auto glass sealer.
- Part No. 08705-00010

**CAUTION:** Wait at least twice the hardening time before driving the car.



## 8. INSTALL OUTSIDE MOULDING

- Using a knife, remove the adhesive around the installation area of the clips.
  - Apply adhesive to the installation area of the clip.
- NOTE:** Loosely install the clips and confirm that the clip arm is not protruding above the surface.

- Install the clips into the moulding. When installing the moulding, be sure that the clips and fasteners on the body side do not make contact.
- Install the outside moulding.

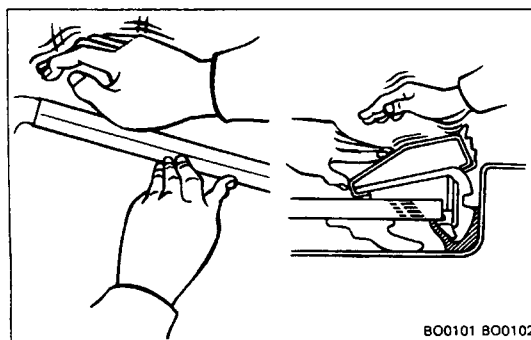
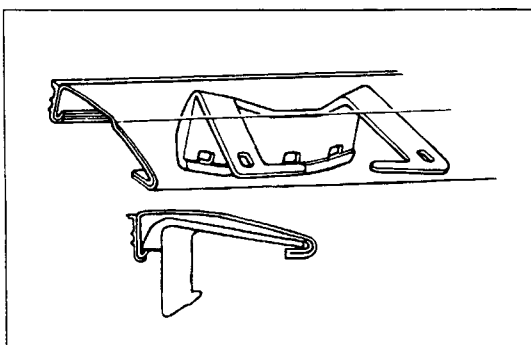
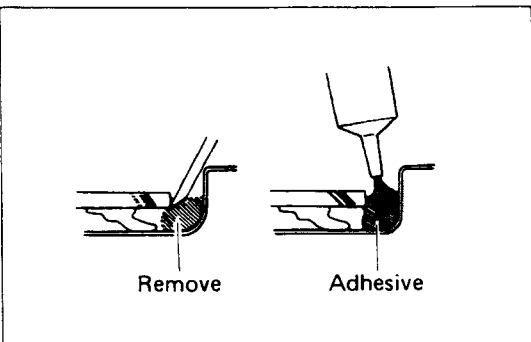
- Install lower moulding.
- Fit on the upper moulding and tap the fasteners on by hand.
- Install the side moulding and slide down the moulding.
- Install the corner joint moulding.

## 9. INSTALL FOLLOWING PARTS:

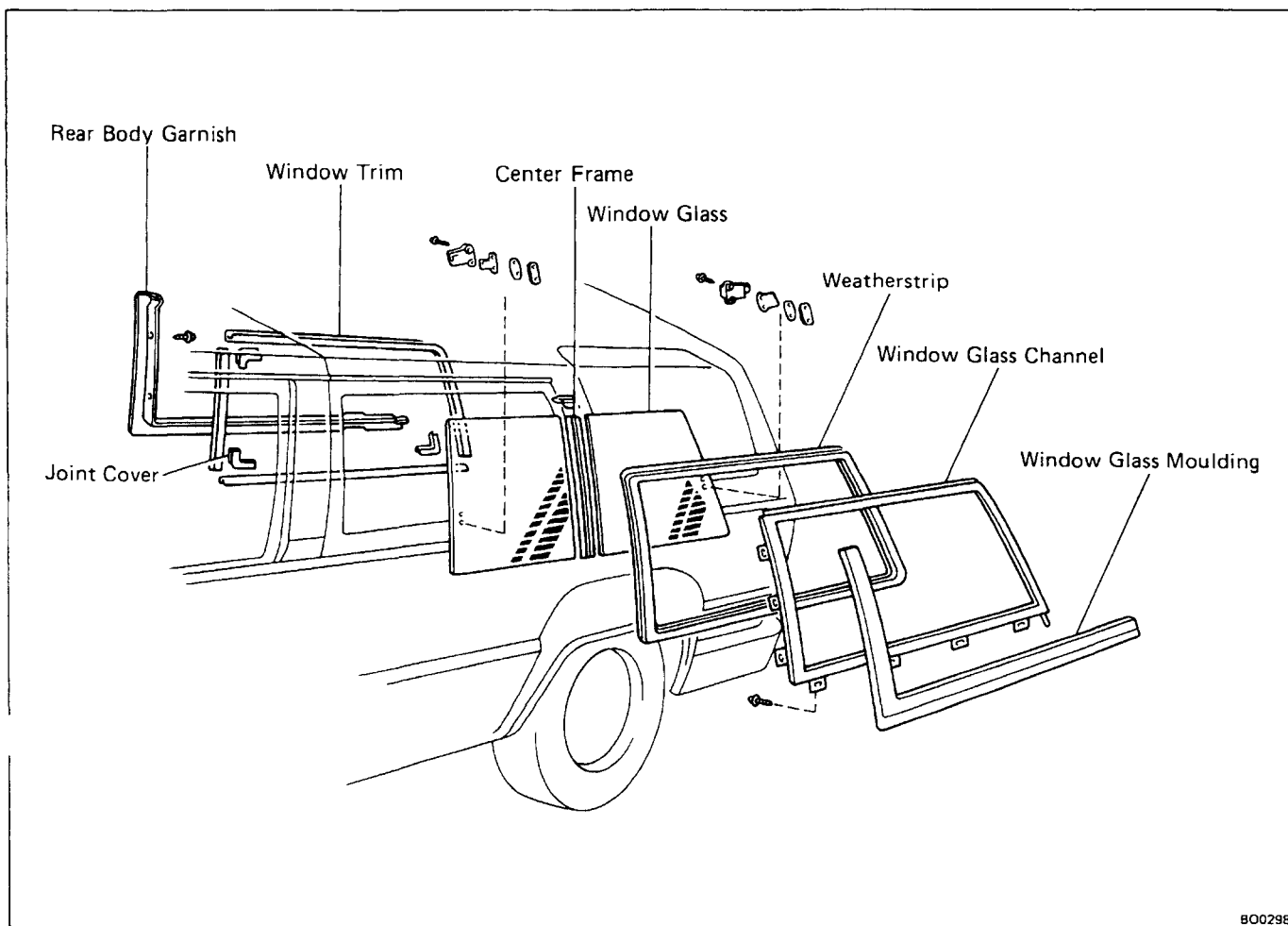
- Roof headliner front trim
- Inner rear view mirror
- Sun visor and holder

## 10. INSTALL WIPER ARM

## 11. INSTALL FRONT PILLAR GARNISH



## SIDE SLIDE WINDOW COMPONENTS



BO0298

### REMOVAL OF SIDE SLIDE WINDOW

#### 1. REMOVE REAR BODY GARNISHES

#### 2. REMOVE JOINT COVERS

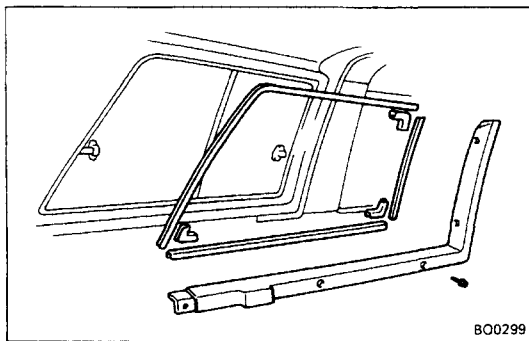
Remove the three joint covers.

#### 3. REMOVE WINDOW TRIMS

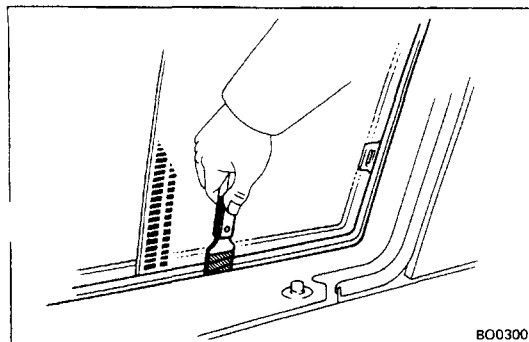
Remove the three window trims.

#### 4. REMOVE SIDE SLIDE WINDOW ASSEMBLY

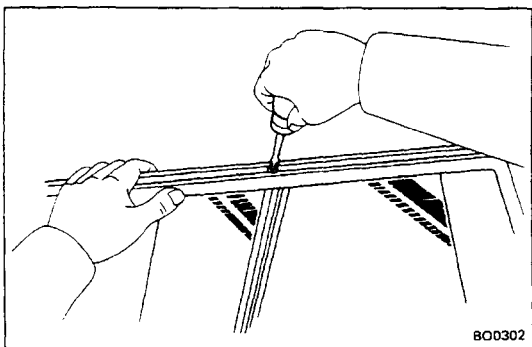
Cut the butyl tape with a scraper or such and then push the window assembly outward.



BO0299

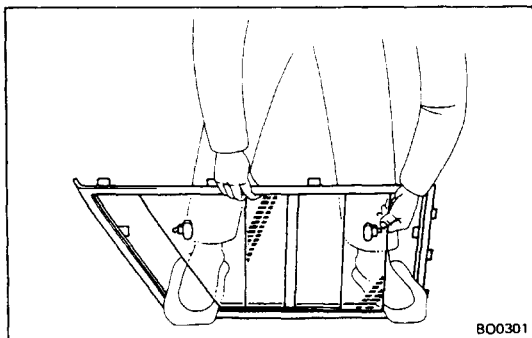


BO0300



## 5. DISASSEMBLE SIDE SLIDE WINDOW

- (a) Remove the seven screws and window glass moulding.
- (b) Remove the two screws of the center frame.

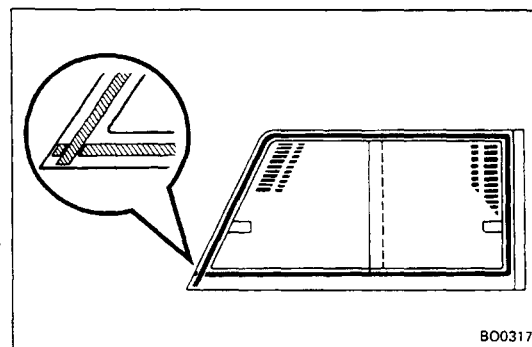


- (c) Pull apart the channels and remove the front glass of the two slide glass panes at the center glass channel.
- (d) Remove the center frame.
- (e) Pull apart the channels and remove the rear glass of the two slide glass panes at the center glass channel.
- (f) Remove the weatherstrip.

## INSTALLATION OF SIDE SLIDE WINDOW

### 1. ASSEMBLE SIDE SLIDE WINDOW

- (a) Install the weatherstrip to the frame.
- (b) Pull apart the channels and install the rear glass of the two slide glass panes at the center glass channel.
- (c) Install the center frame.
- (d) Pull apart the channels and install the front glass of the two slide glass panes at the center glass channel.
- (e) Install the two screws of the center frame.
- (f) Install the window glass moulding and the seven screws.



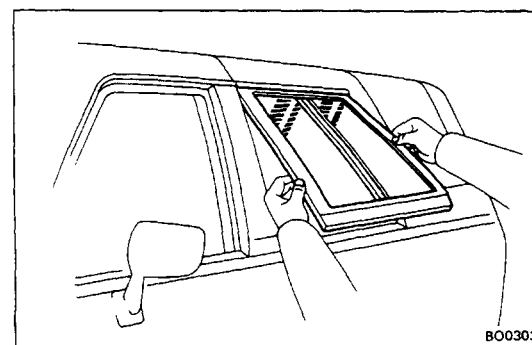
### 2. APPLY BUTYL TAPE TO WINDOW FRAME

Apply butyl tape (6 mm or 0.24 in. width) to the slide window frame as shown in the figure.

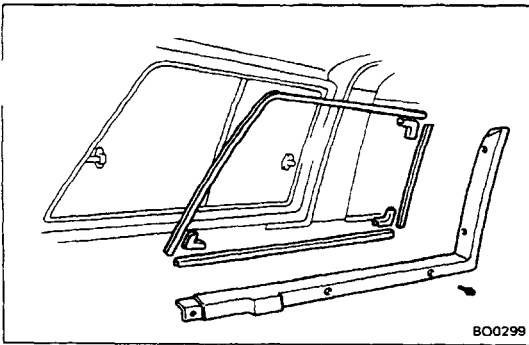
NOTE: Firmly press down the overlapping portions of the tape so there are no open gaps.

### 3. INSTALL WINDOW ASSEMBLY

Install the side slide window assembly to the cover top.

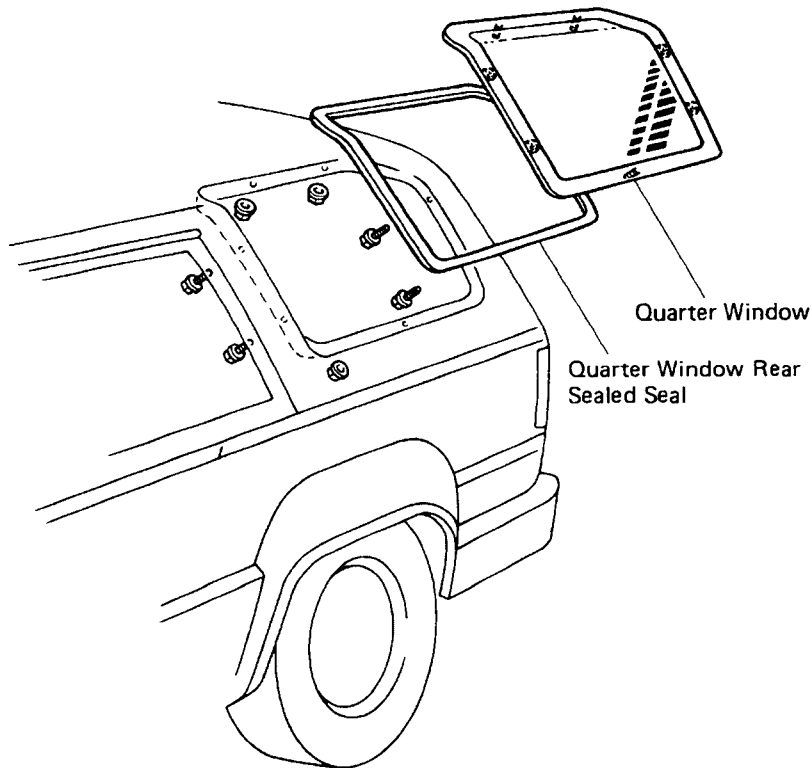




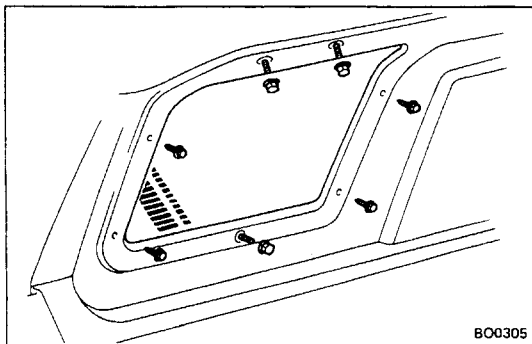


- 4. INSTALL WINDOW TRIMS AND JOINT COVERS**  
Install the three window trims and joint covers.
- 5. INSTALL REAR BODY GARNISHES**

## QUARTER WINDOW (4 RUNNER) COMPONENTS



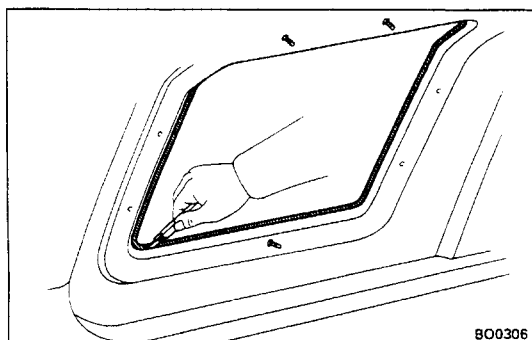
800304



### REMOVAL OF QUARTER WINDOW

#### 1. REMOVE NUTS AND BOLTS

Remove the three nuts and four bolts.



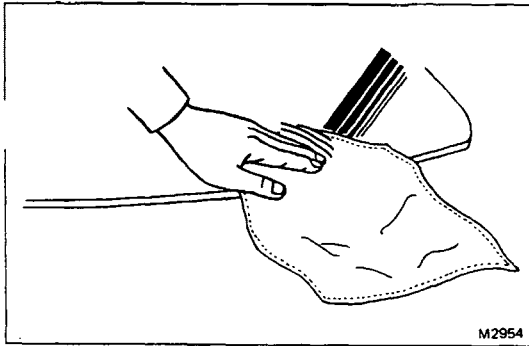
#### 2. REMOVE QUARTER WINDOW GLASS

Using a knife, cut off the window glass seal. Push out the lower edge of the glass, and then raise the glass to remove it.

## INSTALLATION OF QUARTER WINDOW

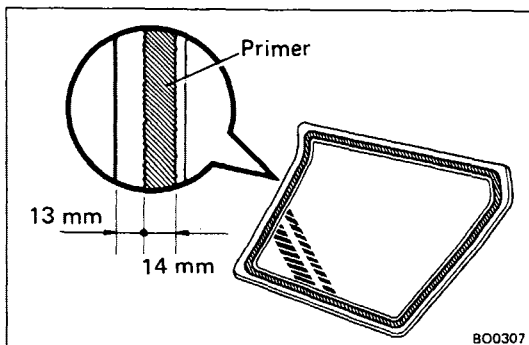
### 1. PREPARE ITEMS LISTED

Part name and Part No.	Contents of set
Butyl tape set (08850 — 00065)	Butyl tape 9 mm dia. x 2,500 mm (0.35 x 98.43 in.) Primer 5 cc (0.2 oz) Sponge (for applying primer) Piano wire 1 mm dia. x 600 mm (0.04 x 23.62 in.) (for cutting around glass)
Materials required	Solvent (Alcohol, unleaded gasoline) (for cleaning adhering surfaces)
Quarter window rear sealed seal (68177 — 89101)	



### 2. CLEAN BODY OR GLASS

Using alcohol or unleaded gasoline, wipe off any adhesive left on body or glass.

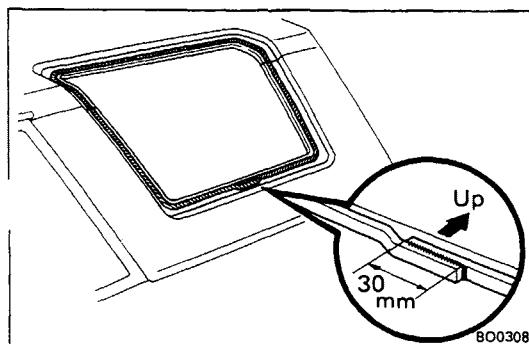


### 3. INSTALL QUARTER WINDOW GLASS

- (a) Using a sponge, coat the glass adhering surface with primer.

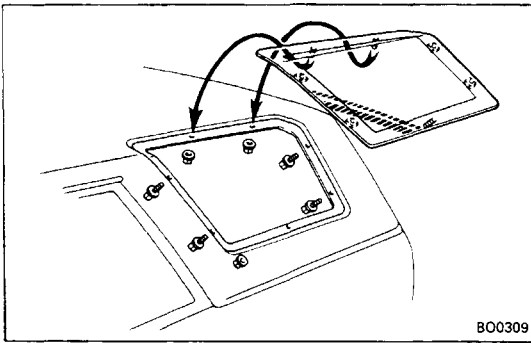
NOTE: Coat the primer 13 mm (0.51 in.) from the glass edge and 14 mm (0.55 in.) wide around the ceramic.

- (b) Let the primer coating dry for 10 minutes.



- (c) Install the seal to the cover top body.

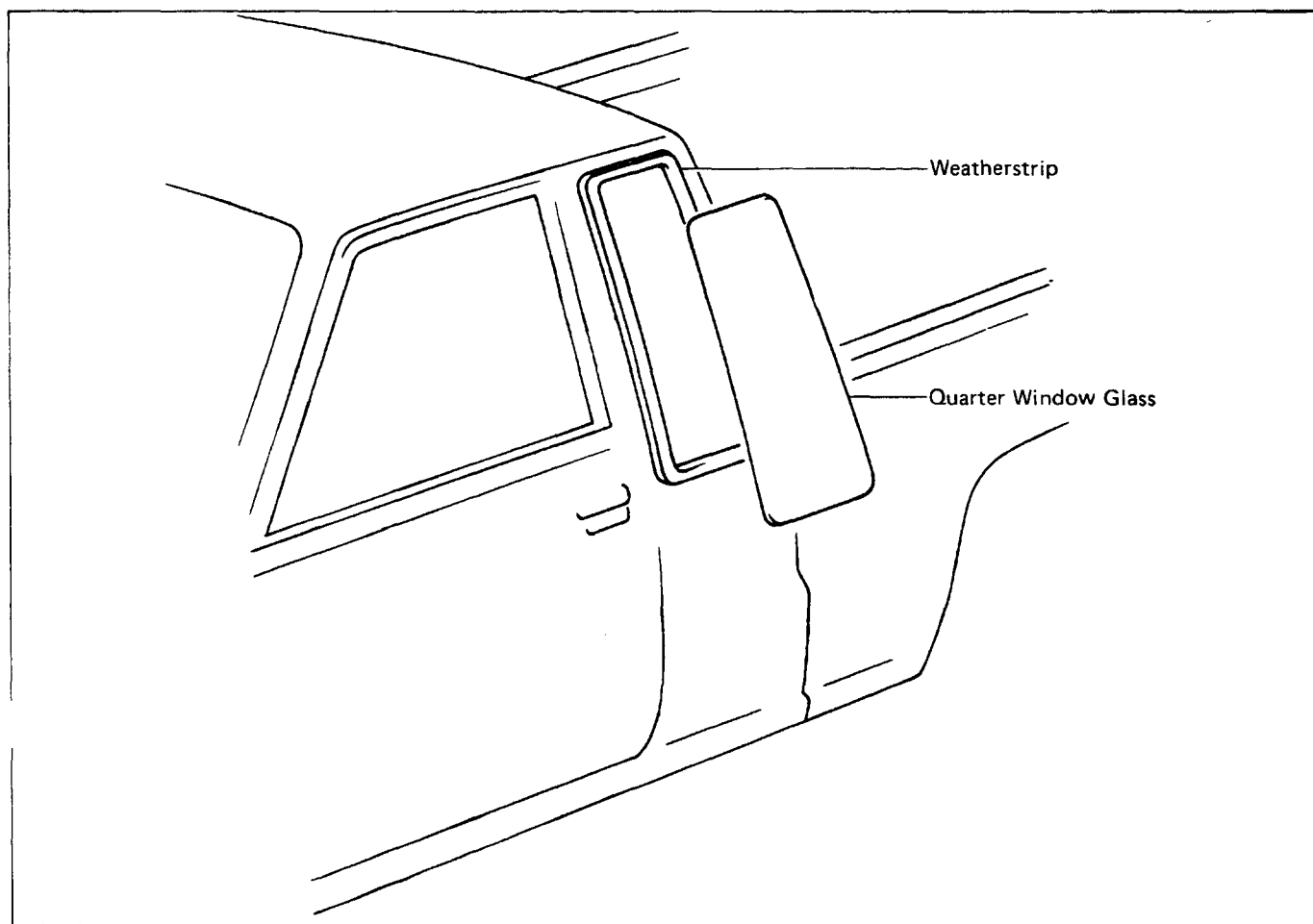
NOTE: Apply the seal over 30 mm (1.18 in.) of the lower area.



- (d) Install the two upper stud bolts to the cover top body.
- (e) Install the lower stud bolt to the cover top body.
- (f) Torque the upper two nuts, and then the lower nut and four bolts.

**Torque: 40 kg-cm (35 in.-lb, 3.9 N·m)**

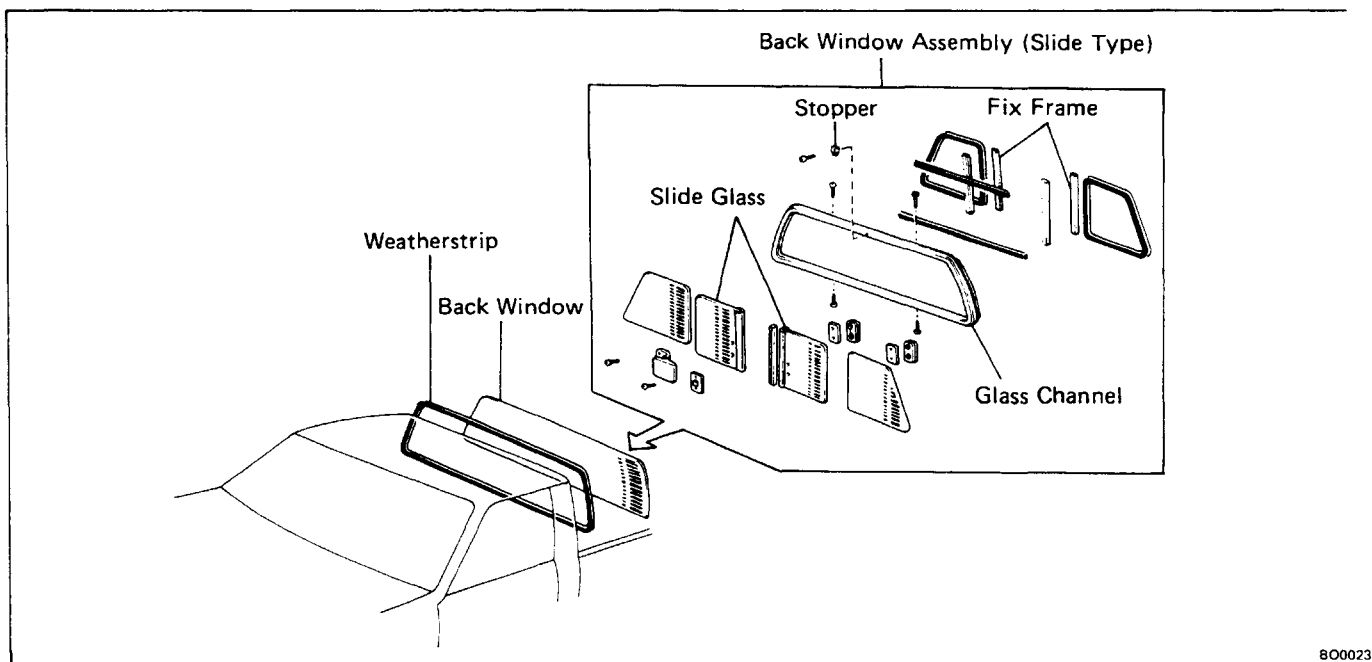
## QUARTER WINDOW (TRUCK) COMPONENTS



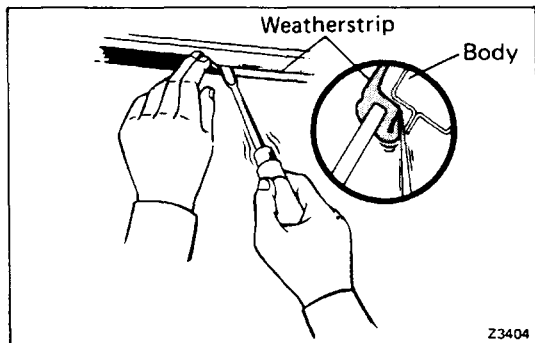
### REMOVAL OF QUARTER WINDOW (See page BO-38)

### INSTALLATION OF QUARTER WINDOW (See page BO-39)

## BACK WINDOW



800023

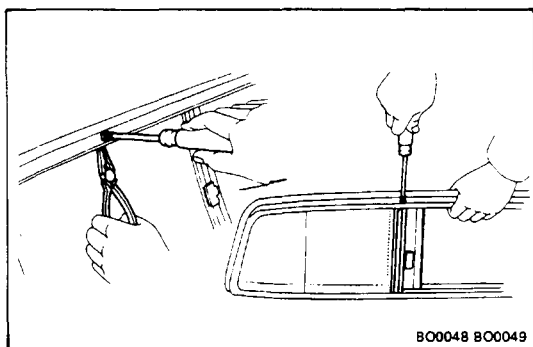


Z3404

### REMOVAL OF BACK WINDOW

#### REMOVE BACK WINDOW

Force the weatherstrip lip from the interior to the body flange outside. Pull the back window outward and remove it with the weatherstrip.



800048 800049

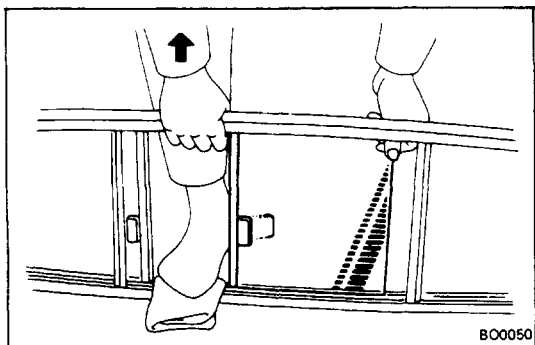
### DISASSEMBLY OF BACK WINDOW ASSEMBLY (SLIDE GLASS TYPE)

#### 1. REMOVE FOLLOWING PARTS:

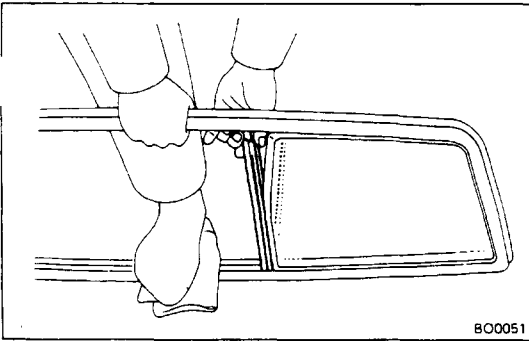
- (a) Back window slide glass stopper
- (b) Four screws holding the two fix frames

#### 2. REMOVE SLIDE GLASS

Pull apart the channels and remove the two slide glass panes at the center area of the glass channel.

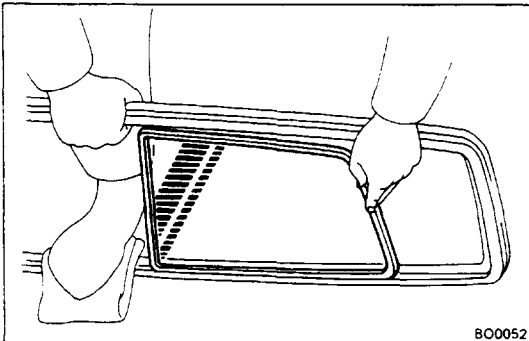


800050



### 3. REMOVE NON-SLIDE GLASS

- (a) Pull apart the channels and remove the two fix frames as shown.



- (b) Pull apart the channels and remove the two non-slide glass panes as shown.

## ASSEMBLY OF BACK WINDOW ASSEMBLY

### 1. INSTALL NON-SLIDE GLASS

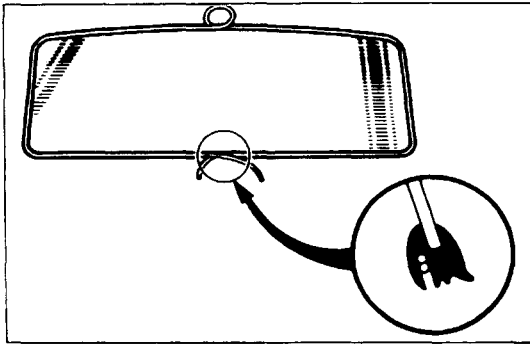
- (a) Apply soapy water to the contact face of the weather-strip and to the glass channel flange.
- (b) Install the two non-slide glass panes.
- (c) Install the two fix frames.

### 2. INSTALL SLIDE GLASS

Install the two slide glass panes at the center area of the glass channel.

### 3. INSTALL FOLLOWING PARTS:

- (a) Four screws holding the two fix frames
- (b) Back window slide glass channel stopper



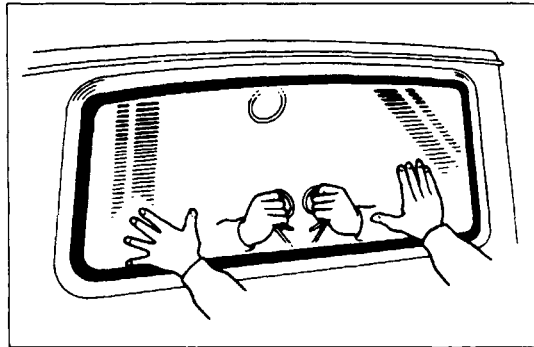
## INSTALLATION OF BACK WINDOW

### 1. INSTALL WEATHERSTRIP ON BACK WINDOW

- (a) Attach the weatherstrip to the back window.

**CAUTION:** If the weatherstrip has become hard, it may develop water leaks. Use a new one if possible.

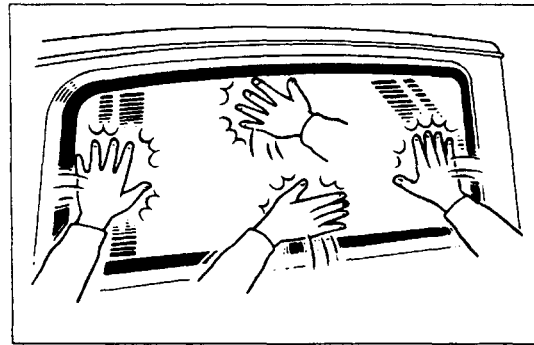
- (b) Apply a working cord along the weatherstrip groove as shown.



### 2. INSTALL BACK WINDOW

**NOTE:** Begin installation in the middle of the lower part of the glass.

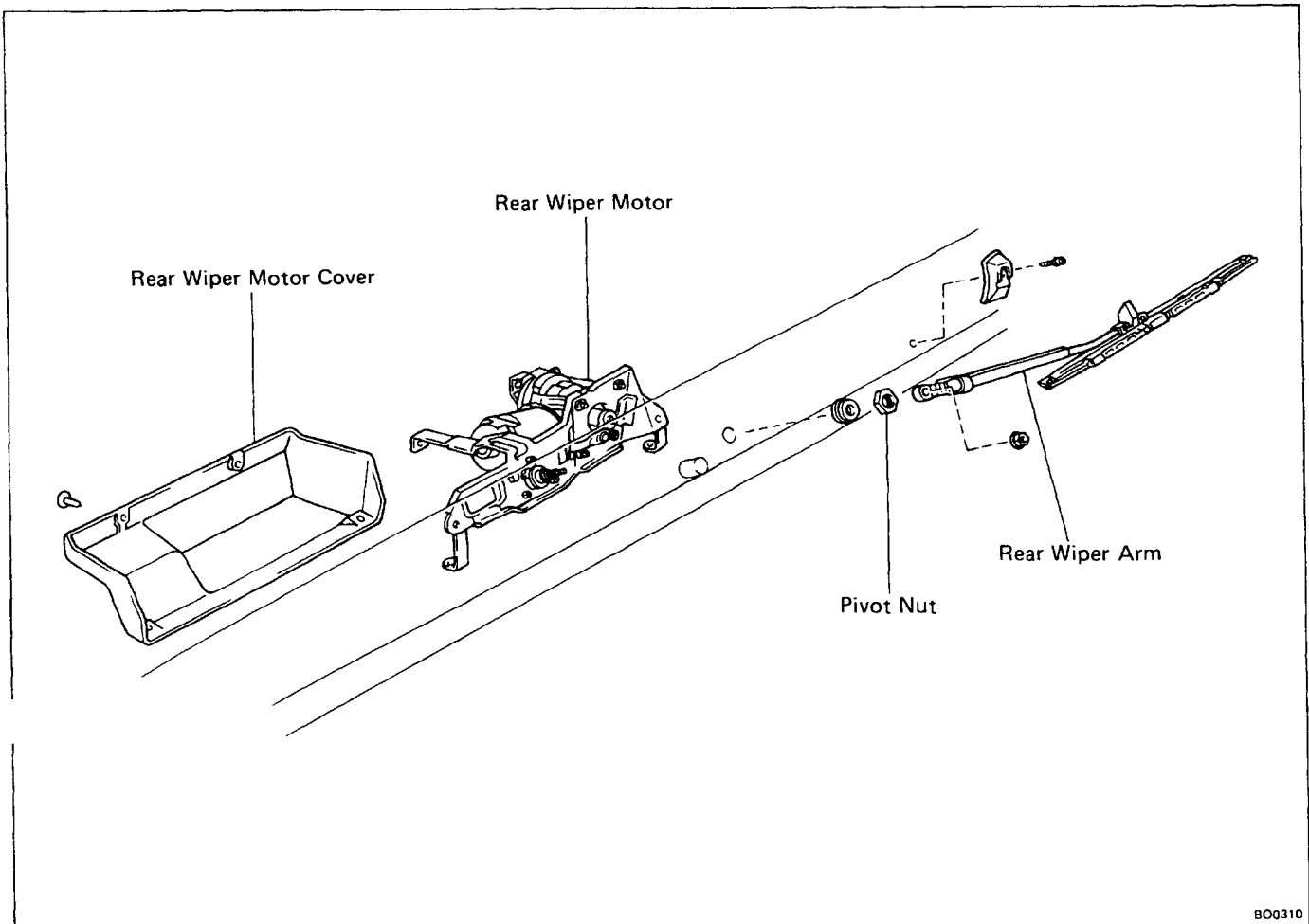
- (a) Hold the back window in position on the body.
- (b) Install the back window by pulling the cord from the interior, while pushing the outside of the weatherstrip with your open hand.



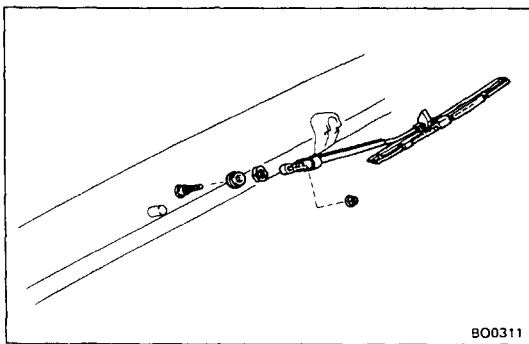
- (c) To snug the back window in place, tap from the outside with your open hand.



## REAR WIPER COMPONENTS



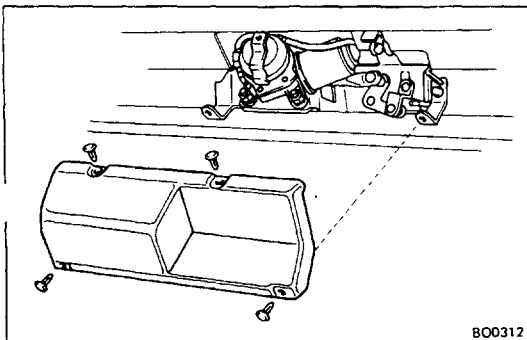
BO0310



BO0311

### REMOVAL OF REAR WIPER

1. REMOVE REAR WIPER ARM
2. REMOVE PIVOT NUT



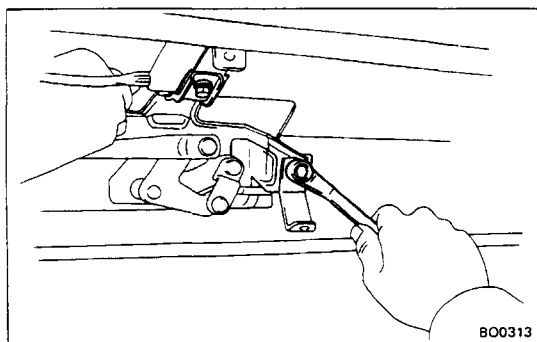
BO0312

3. REMOVE WIPER MOTOR COVER

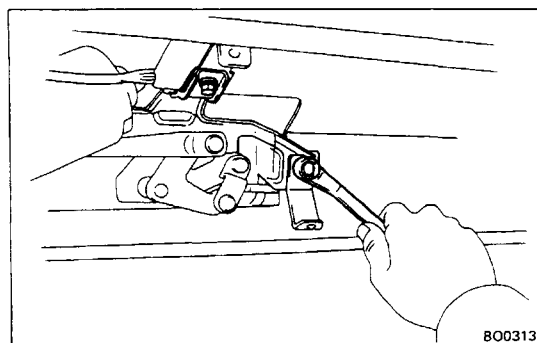
Remove the four clips, and remove the cover.

4. DISCONNECT CONNECTORS AND WASHER HOSE

Disconnect the two connectors and washer hose.

**5. REMOVE WIPER MOTOR ASSEMBLY**

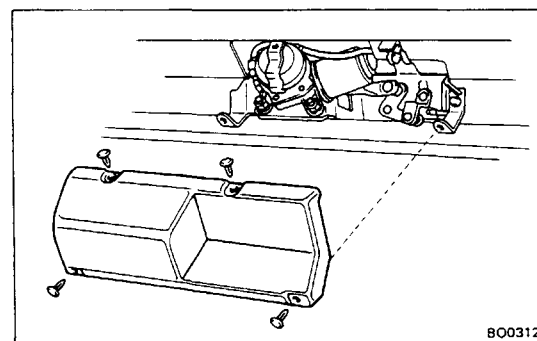
Remove the three bolts, and then remove the wiper motor assembly.

**6. REMOVE WASHER NOZZLE****INSTALLATION OF REAR WIPER****1. INSTALL WASHER NOZZLE**

Torque: 15 kg-cm (13 in.-lb, 1.5 N·m)

**2. INSTALL WIPER MOTOR ASSEMBLY**

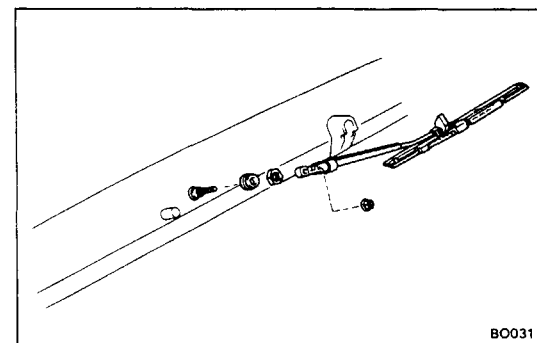
Install the wiper motor assembly with the three mount bolts.

**3. CONNECT CONNECTORS AND WASHER HOSE**

Connect the two connectors and washer hose.

**4. INSTALL WIPER MOTOR COVER**

Install the wiper motor cover with the four clips.

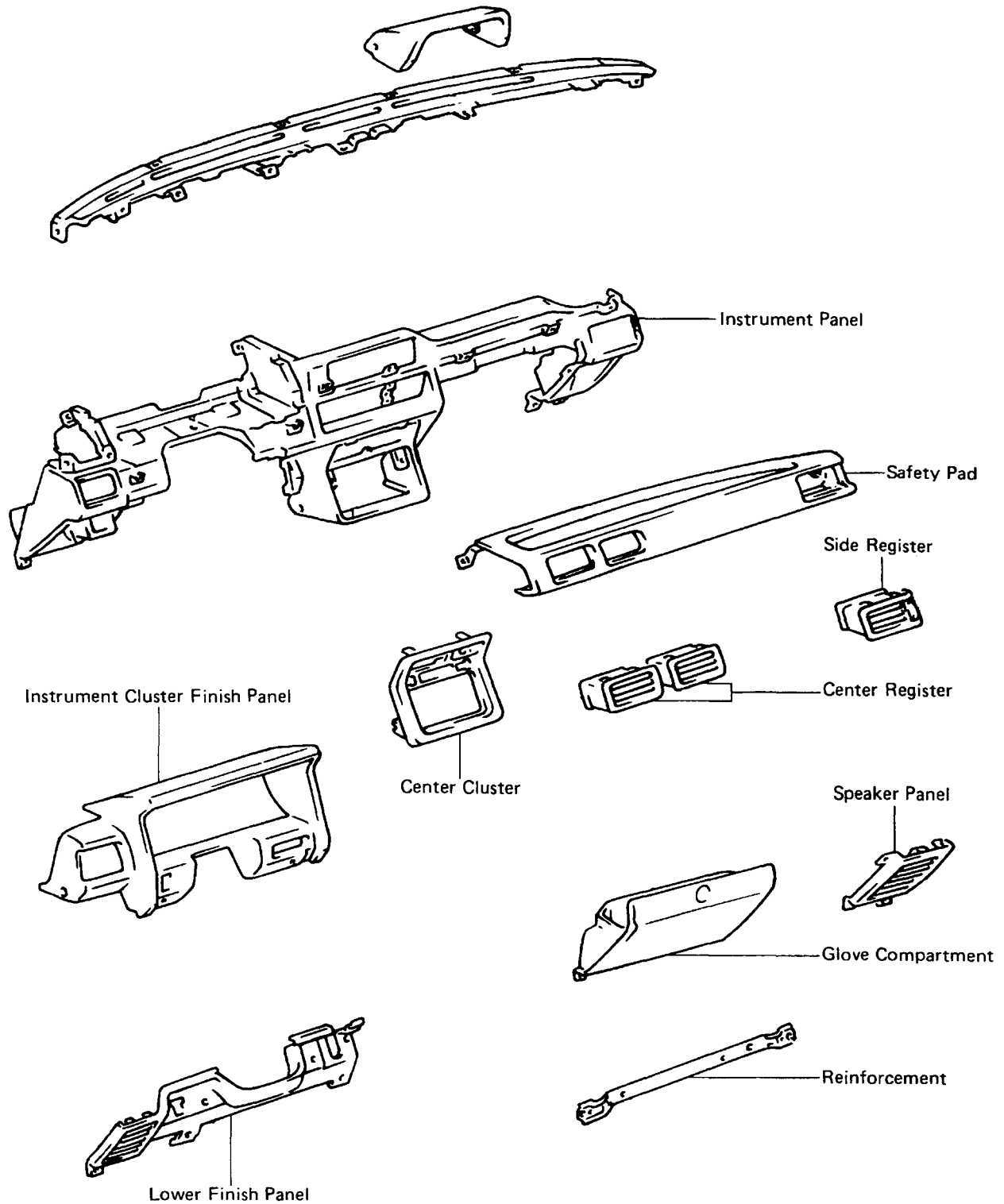
**5. INSTALL PIVOT NUT**

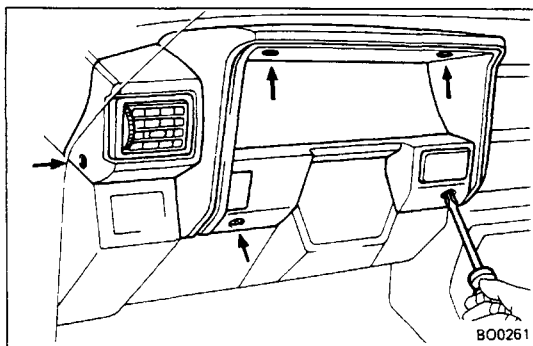
Torque: 110 kg-cm (8 ft-lb, 11 N·m)

**6. INSTALL REAR WIPER ARM**

Torque: 55 kg-cm (48 in.-lb, 5.4 N·m)

## SAFETY PAD COMPONENTS





## REMOVAL OF SAFETY PAD

(See page BO-43)

### 1. DISCONNECT NEGATIVE CABLE FROM BATTERY

### 2. REMOVE INSTRUMENT CLUSTER FINISH PANEL

Remove the five screws and instrument cluster finish panel.

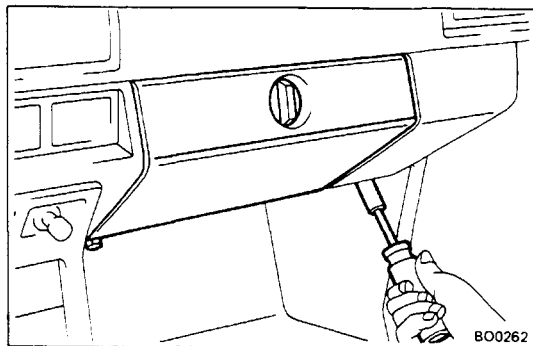
### 3. REMOVE COMBINATION METER

(a) Remove the four mounting screws.

(b) Disconnect the connectors and remove the meter.

### 4. REMOVE GLOVE COMPARTMENT

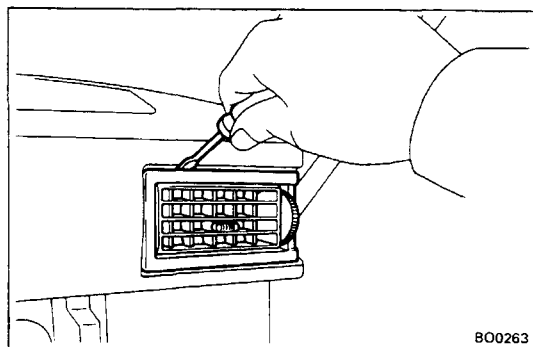
Remove the two bolts and glove compartment with the hinge.



### 5. REMOVE SIDE REGISTER

Using a screwdriver, pry between the register and safety pad.

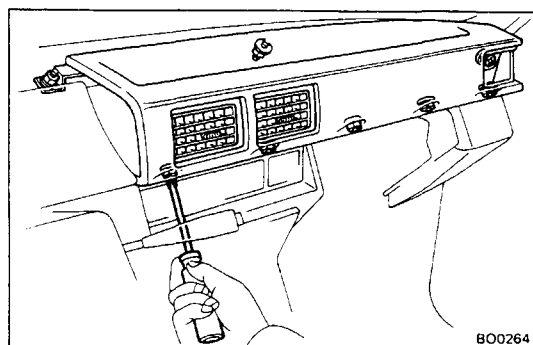
**CAUTION:** Be careful not to scratch the safety pad.



### 6. REMOVE SAFETY PAD

(a) Remove the two nuts and six screws.

(b) Pull out the safety pad.



## INSTALLATION OF SAFETY PAD

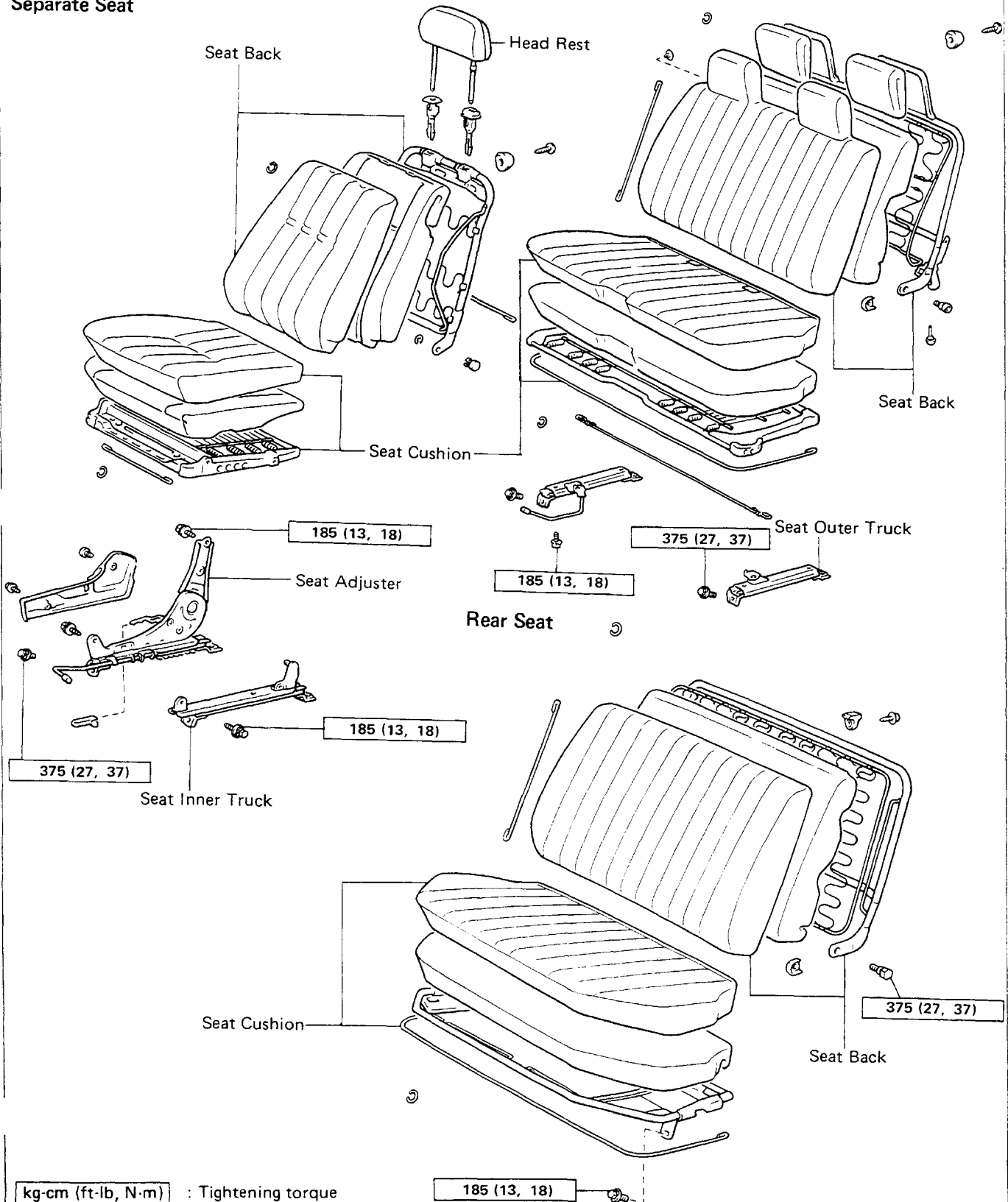
(See page BO-43)

INSTALL SAFETY PAD IN REVERSE SEQUENCE OF REMOVAL

# SEAT COMPONENTS

Front Seat  
Separate Seat

Bench Seat



kg-cm (ft-lb, N·m) : Tightening torque

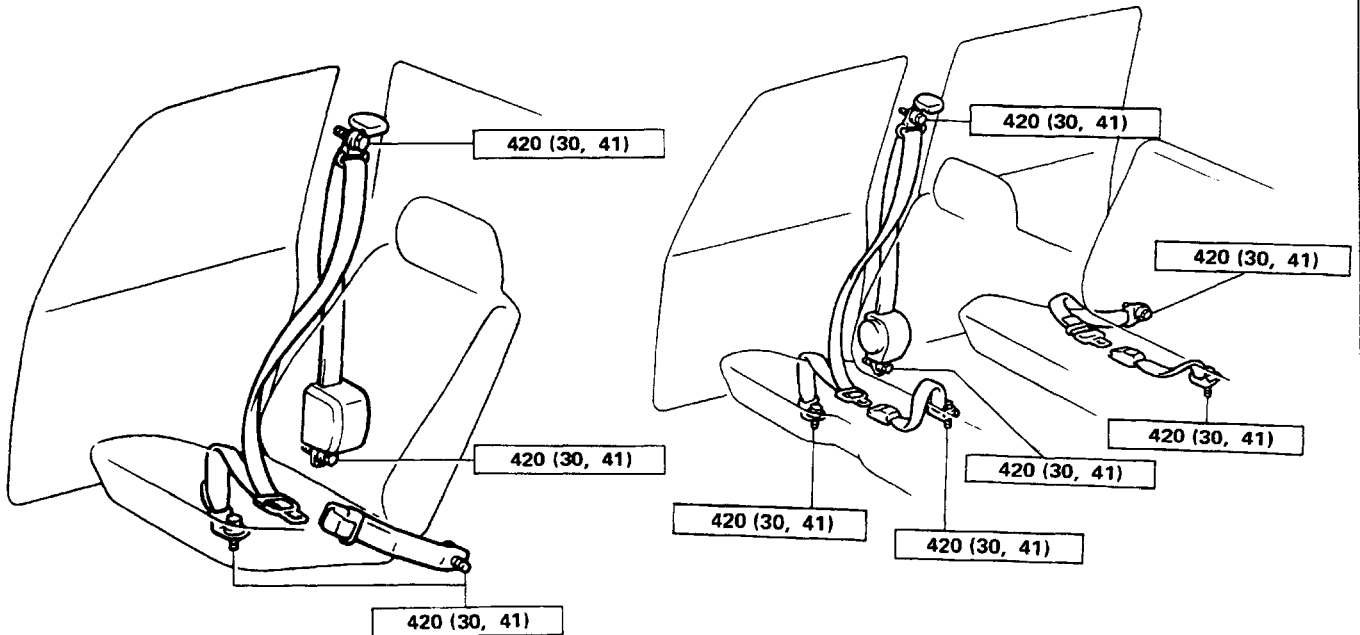
185 (13, 18)

## SEAT BELTS

### COMPONENTS

Separate Seat

Bench Seat



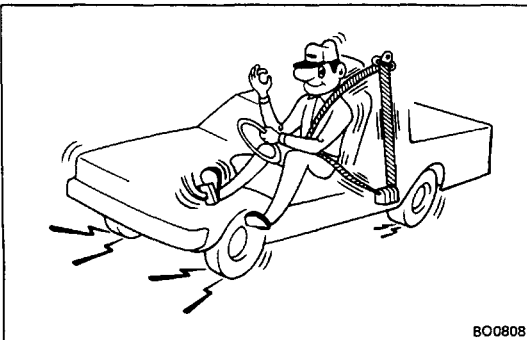
kg-cm (ft-lb, N·m) : Tightening torque

### FRONT SEAT BELT (Emergency Locking Retractor (ELR) Type)

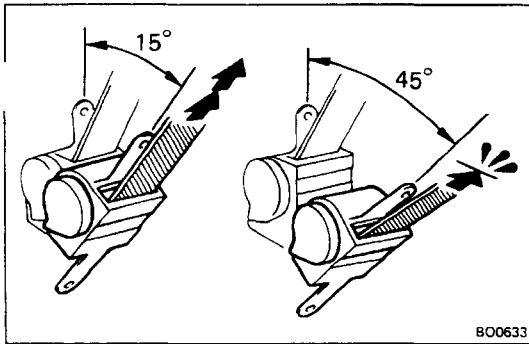
#### 1. RUNNING TEST (IN SAFE AREA)

- (a) Fasten the front seat belt.
- (b) Drive the car at 10 mph (16 km/h) and make a very hard stop.
- (c) Check that the belt is locked and cannot be extended at this time.

**NOTE:** Conduct this test in a safe area. If the belt does not lock, remove the belt mechanism assembly and conduct the following static check. Also, whenever installing a new belt assembly, verify the proper operation before installation.



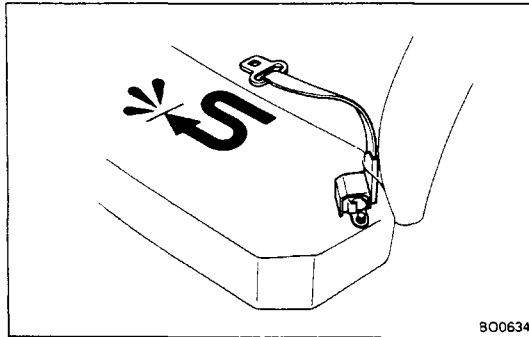
BO0808



## 2. STATIC TEST

- (a) Remove the locking retractor assembly.
- (b) Tilt the retractor slowly.
- (c) Verify that the belt can be pulled out at a tilt of 15 degrees or less, and cannot be pulled out at over 45 degrees of tilt.

If a problem is found, replace the assembly.

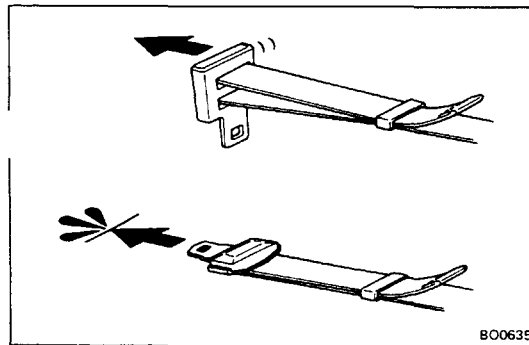


## OUTBOARD REAR SEAT BELT (Automatic Locking Retractor (ALR) Type)

### TESTING

- (a) Pull out the belt, release it slightly and then pull it out again.
- (b) Verify that the belt cannot be extended further.

If a problem is found, replace the assembly.

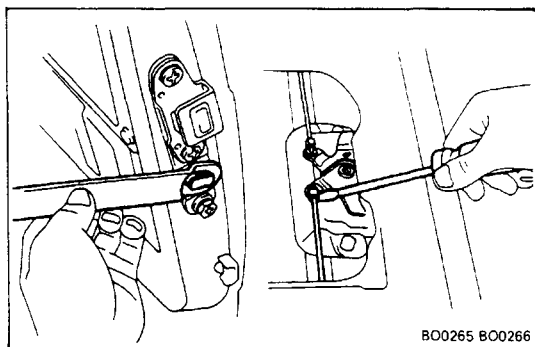
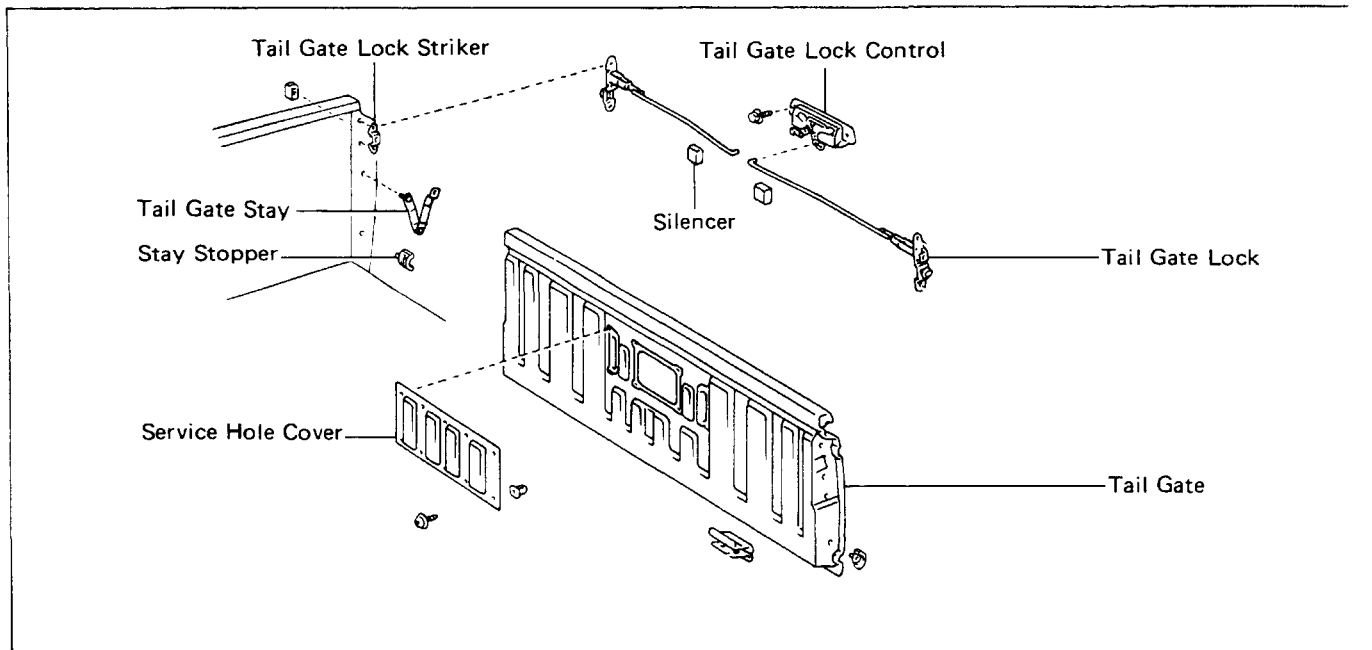


## CENTER REAR SEAT BELT (Manual Type)

### TESTING

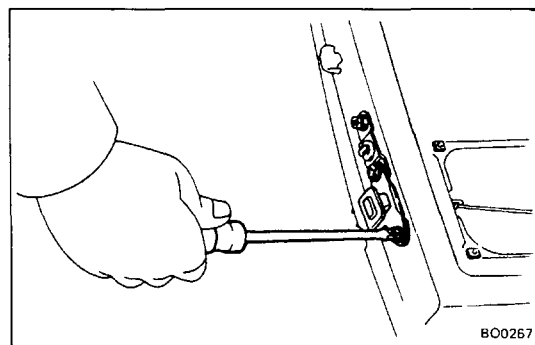
- (a) Adjust the belt to the proper length.
- (b) Apply a firm load to the belt.
- (c) Verify that the belt does not extend.

## ONE-TOUCH TAIL GATE



### REMOVAL OF TAIL GATE LOCK

1. DISCONNECT TAIL GATE STAY FROM TAIL GATE LOCK
2. REMOVE SERVICE HOLE COVER
3. DISCONNECT TAIL GATE LOCK LINK FROM TAIL GATE LOCK CONTROL

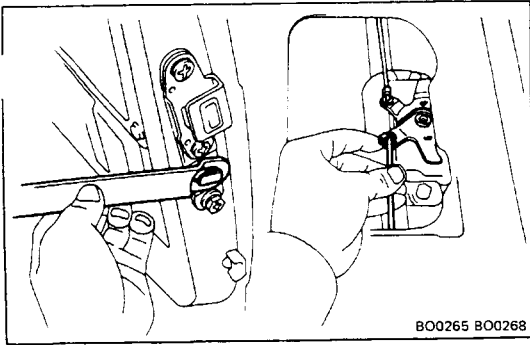


4. REMOVE TAIL GATE LOCK FROM TAIL GATE  
Remove the three set screws and the tail gate lock.

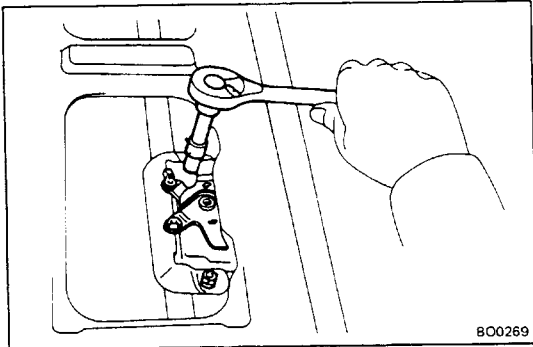
### INSTALLATION OF TAIL GATE LOCK

1. INSTALL TAIL GATE LOCK TO TAIL GATE  
Install the tail gate lock with the three screws.





2. **CONNECT TAIL GATE STAY TO TAIL GATE LOCK**
3. **CONNECT TAIL GATE LOCK LINK TO TAIL GATE LOCK CONTROL**
4. **INSTALL SERVICE HOLE COVER**



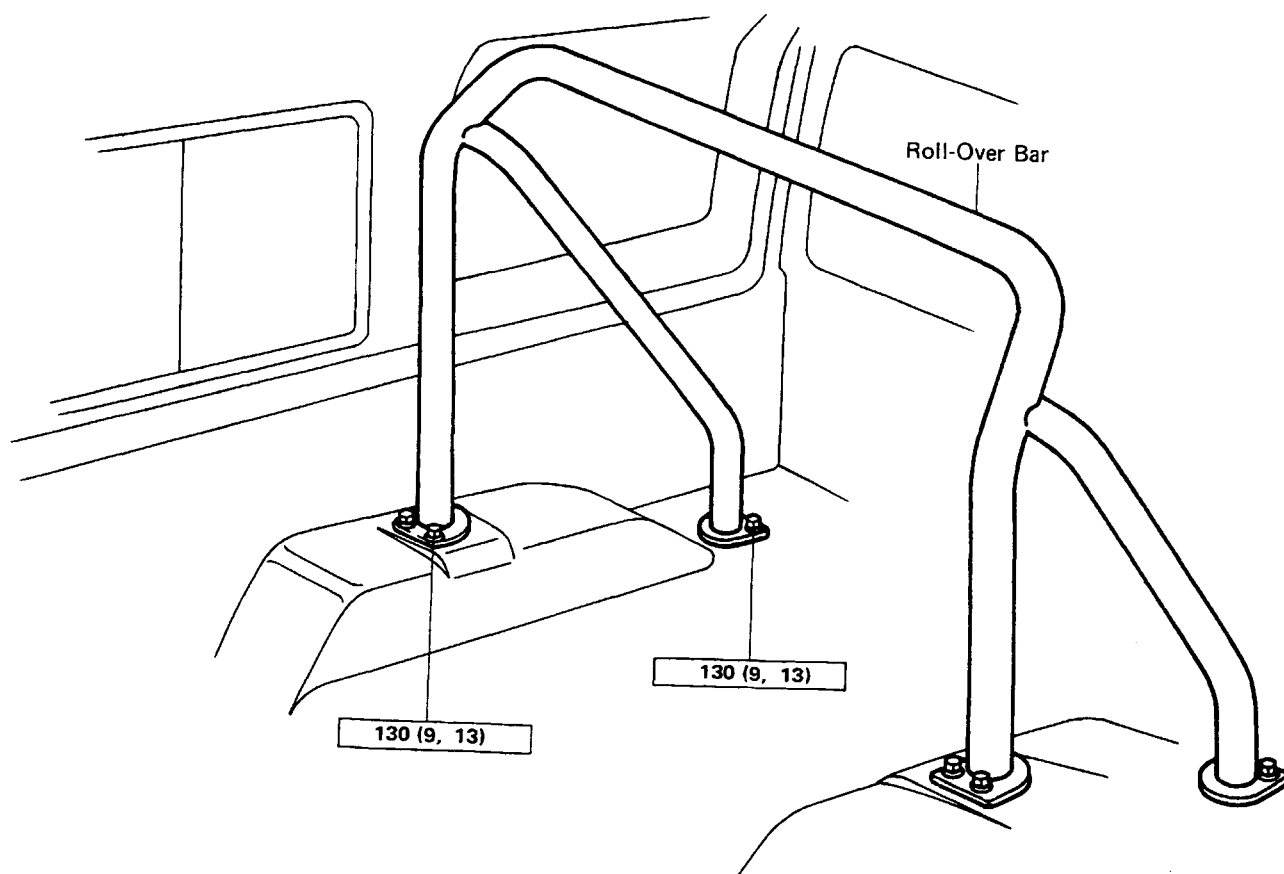
### **REMOVAL OF TAIL GATE LOCK CONTROL**

1. **REMOVE SERVICE HOLE COVER**
2. **DISCONNECT TWO TAIL GATE LOCK LINKS**
3. **REMOVE TAIL GATE LOCK CONTROL**

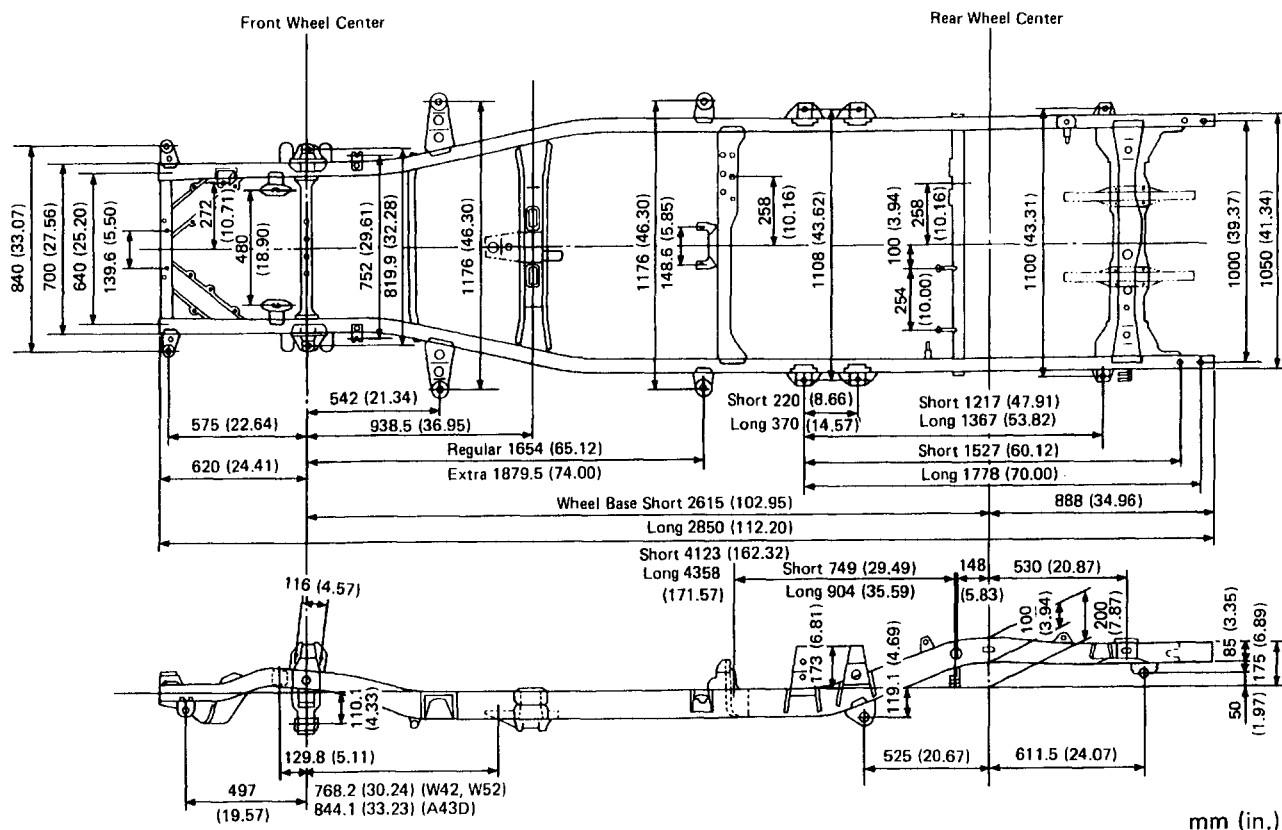
### **INSTALLATION OF TAIL GATE LOCK CONTROL**

**INSTALL TAIL GATE LOCK CONTROL IN REVERSE ORDER OF REMOVAL**

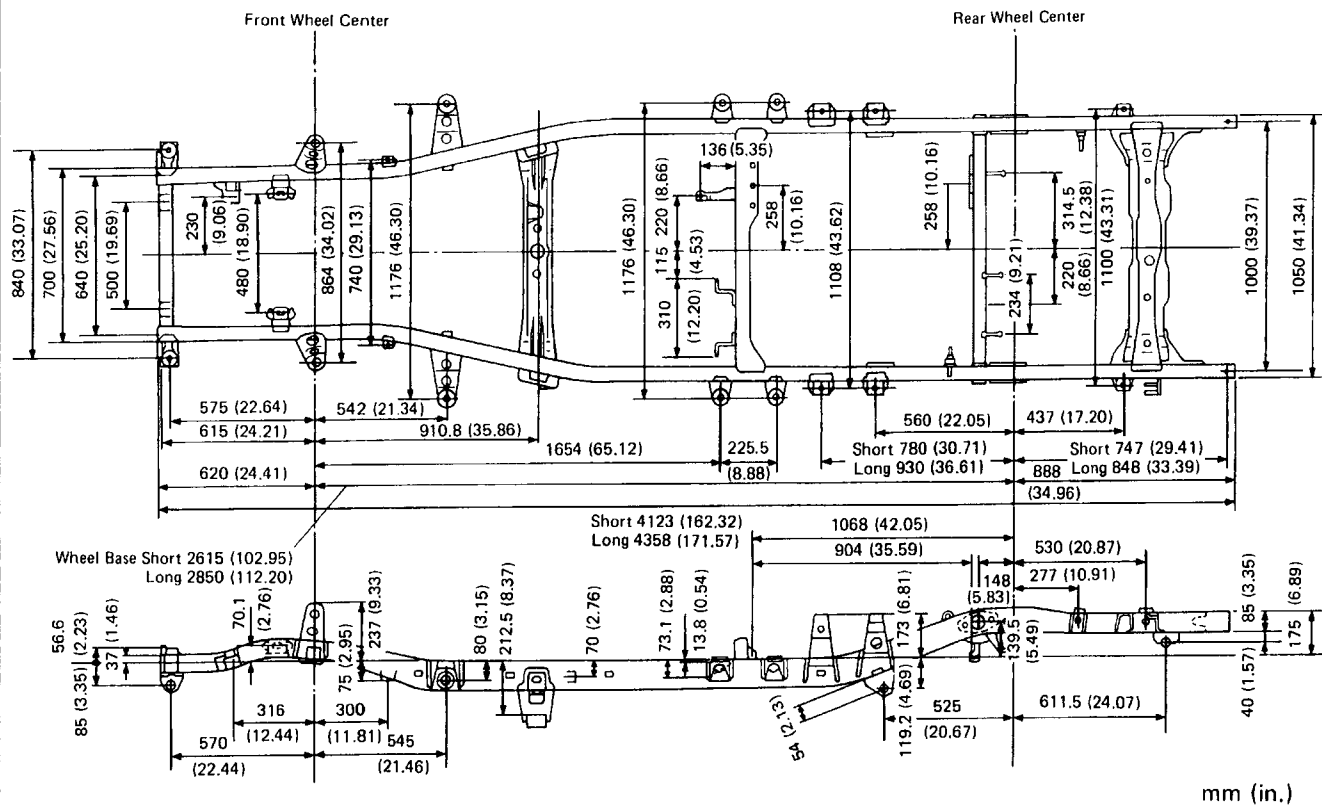
## ROLL-OVER BAR COMPONENTS



# BODY DIMENSIONS (2WD)



# BODY DIMENSIONS (4WD)



mm (in.)

RN60 series	SHORT WHEEL BASE
RN65 series	LONG WHEEL BASE

Conversion table			
mm	in.	mm	in.
13.8	0.54	575	22.64
37	1.46	611.5	24.07
40	1.57	615	24.21
54	2.13	620	24.41
56.6	2.23	640	25.20
70	2.76	700	27.56
70.1	2.76	740	29.13
73.1	2.88	747	29.41
75	2.95	780	30.71
80	3.15	840	33.07
85	3.35	848	33.39
115	4.53	864	34.02
119.2	4.69	888	34.96
136	5.35	904	35.59
139.5	5.49	910.8	35.86
148	5.83	930	36.61
173	6.81	1,000	39.37
175	6.89	1,050	41.34
212.5	8.37	1,068	42.05
220	8.66	1,100	43.31
225.5	8.88	1,108	43.62
230	9.06	1,176	46.30
234	9.21	1,654	65.12
237	9.33	2,615	102.95
258	10.16	2,850	112.20
277	10.91	4,123	162.32
300	11.81	4,358	171.57
310	12.20		
314.5	12.38		
316	12.44		
437	17.20		
480	18.90		
500	19.69		
525	20.67		
530	20.87		
542	21.34		
545	21.46		
560	22.05		
570	22.44		