

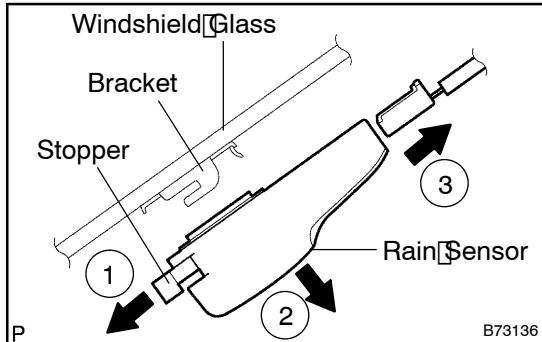
## REPLACEMENT

### HINT:

- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
- A bolt without a torque specification is shown in the standard bolt chart (see page 03-2).

### 1. REMOVE ROOF HEADLINING ASSY (See page 76-52)

- Remove the front door opening trim weatherstrip LH and RH.
- Remove the front pillar garnish LH and RH.



- w/ Rain sensor:

Remove the rain sensor.

- Pull the stopper downward to release it, as shown in the illustration, and remove the rain sensor.
- Disconnect the connector.

- Remove the inner rear view mirror together with the center visor.
- Remove the map lamp.
- Remove the visor LH and RH.
- Remove the 2 visor holders.
- Remove the assist grip.
- Partially remove the roof headlining.

### HINT:

Do not remove the roof headlining completely. Slightly lower the front section of the roof headlining so that the windshield glass can be removed later in step 8.

### 2. REMOVE COWL TOP VENTILATOR LOUVER SUB-ASSY (See page 66-5)

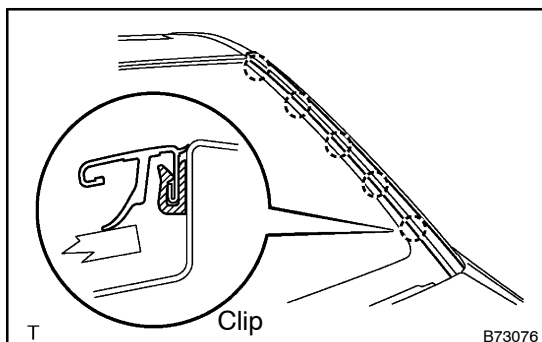
- Remove the hood to cowl top seal.
- Remove the 2 pillar pads No. 4.
- Remove the front wiper arm LH and RH.
- Remove the cowl top ventilator louver.

### 3. w/ Water pipe:

#### DISCONNECT WATER PIPE

### NOTICE:

When disconnecting the water pipe, be sure to cover the water pipe with a cloth to prevent coolant from spilling onto other parts.



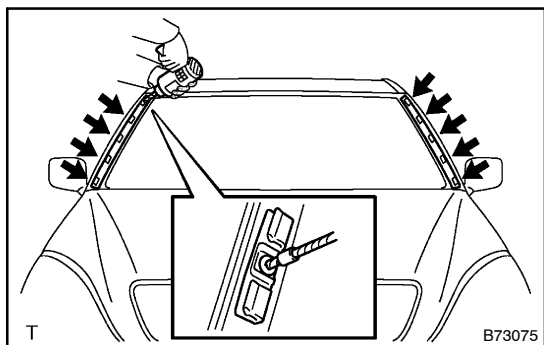
### 4. REMOVE WINDSHIELD MOULDING OUTSIDE LH

- Using a moulding remover, remove the windshield moulding outside.

### 5. REMOVE WINDSHIELD MOULDING OUTSIDE RH

### HINT:

Use the same procedures described for the LH side.



## 6. REMOVE WINDSHIELD MOULDING OUTSIDE CLIP

- (a) Using a drill of less than  $\phi$  4 mm (0.16 in.), gently and perpendicularly place the drill tip onto the rivet and cut the rivet flanges.

### HINT:

Wind tape around the drill blade so that the drill blade appears approximately 5 mm (0.20 in.) on the edge.

### NOTICE:

- **Be sure to gently place the drill perpendicular to the rivet to prevent the rivet hole and the drill itself from being damaged.**
  - **Be careful as the cut rivet will be very hot.**
- (b) Even if the flange is taken off, continue drilling and push cut the remaining fragment with the drill.
  - (c) Remove the 10 windshield moulding outside clips.

## 7. REMOVE WINDSHIELD MOULDING OUTER UPPER

- (a) Using a knife, cut off the moulding, as shown in the illustration.

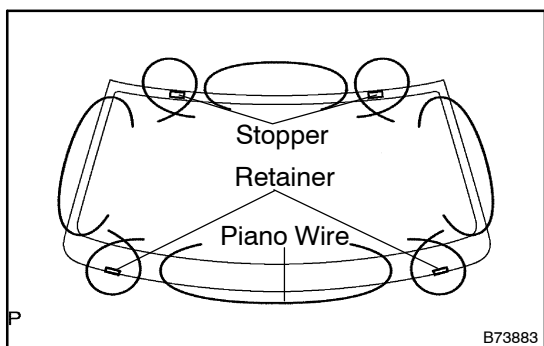
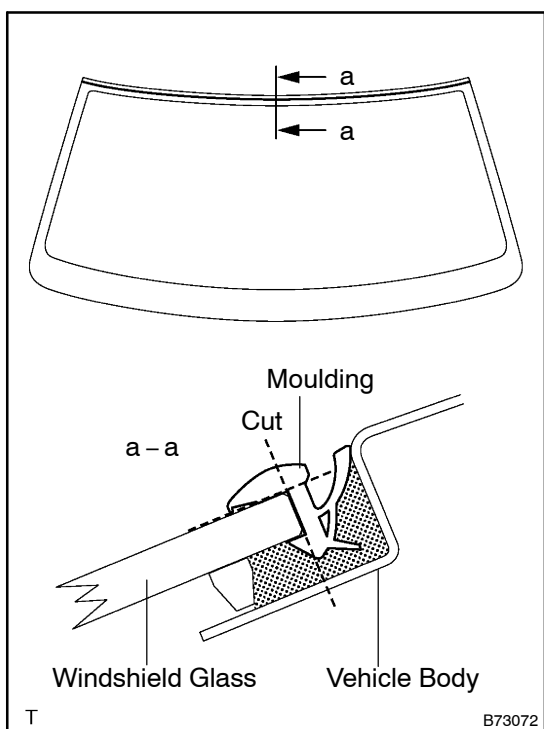
### NOTICE:

**Be careful not to damage the vehicle body with the knife.**

- (b) Remove the remaining moulding.

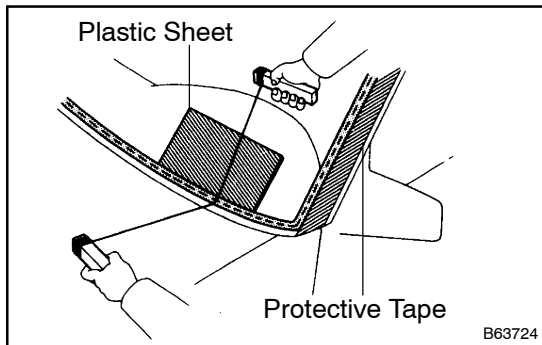
### HINT:

Make a partial cut in the moulding. Then pull and remove it by hand.



## 8. REMOVE WINDSHIELD GLASS

- (a) From the interior, insert piano wires between the vehicle body and glass, as shown in the illustration.
- (b) Tie objects that can serve as handles (for example, wooden blocks) to all wire ends.

**HINT:**

Apply protective tape to the outer surface of the vehicle body to prevent its surface from being scratched.

**NOTICE:**

- When separating the glass from the vehicle, be careful not to damage the vehicle's paint or interior / exterior ornaments.
- To prevent the safety pad from being scratched when removing the glass, place a plastic sheet between the piano wire and safety pad.

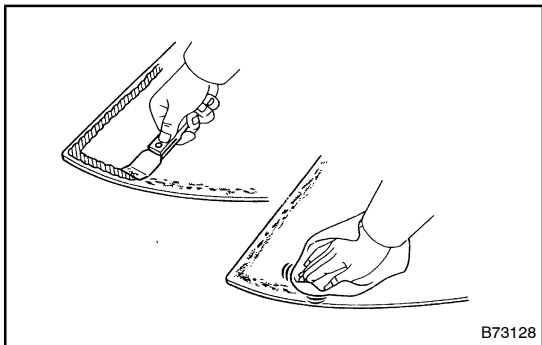
(c) Cut through the adhesive by pulling the piano wire around the glass.

(d) Disengage the stoppers.

(e) Using a suction cup, remove the glass.

**NOTICE:**

Leave as much adhesive on the vehicle body as possible when removing the glass.

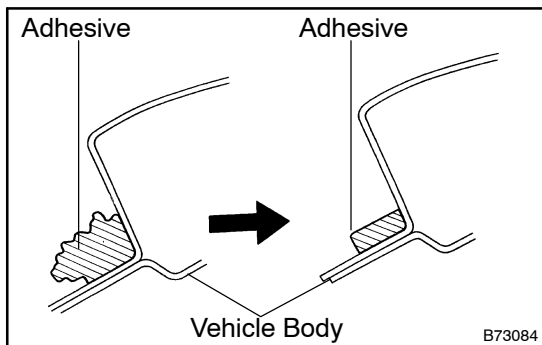
**9. CLEAN WINDSHIELD GLASS**

(a) Using a scraper, remove the damaged stoppers, dam and adhesive sticking to the glass.

(b) Clean the outer circumference of the glass with white gasoline.

**NOTICE:**

- Do not touch the glass surface after cleaning it.
- Even if using new glass, clean the glass with white gasoline.

**10. CLEAN VEHICLE BODY**

(a) Clean and shape the contact surface of the vehicle body.

- (1) Using a knife, cut away any rough adhesive on the contact surface of the vehicle body to ensure the appropriate surface shape.

**NOTICE:**

Be careful not to damage the vehicle body.

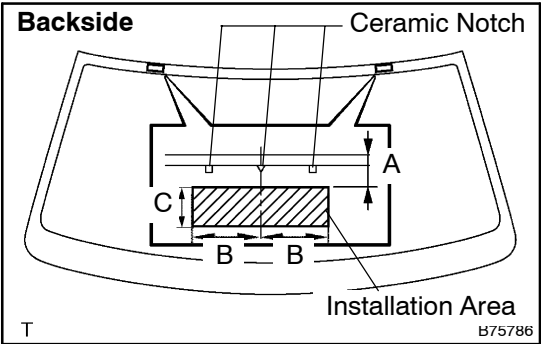
**HINT:**

Leave as much adhesive on the vehicle body as possible.

- (2) Clean the contact surface of the vehicle body with a piece of shop rag saturated with cleaner.

**HINT:**

Even if all the adhesive has been removed, clean the vehicle body.



**11. INSTALL WINDSHIELD GLASS STOPPER NO. 2**

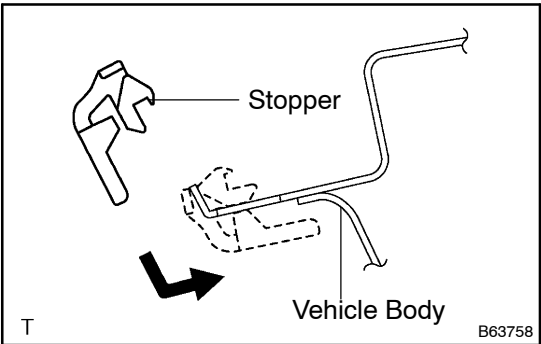
- (a) Coat the installation part of the stoppers with Primer G.

**NOTICE:**

- **Allow the primer coating to dry for 3 minutes or more.**
  - **Throw away any leftover Primer G.**
  - **Do not apply too much Primer G.**
- (b) Install 2 new stoppers onto the glass, as shown in the illustration.

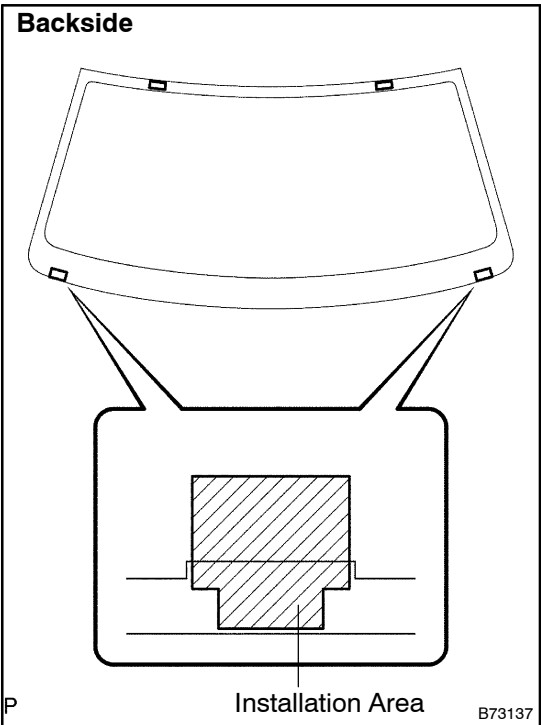
**Specification:**

Area	Measurement
A	9.1 mm (0.36 in.)
B	40 mm (1.58 in.)
C	12.5 mm (0.49 in.)



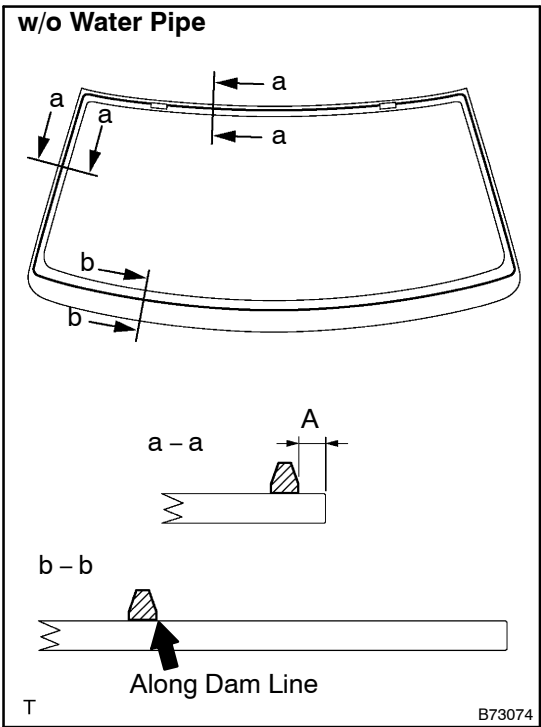
**12. INSTALL WINDSHIELD GLASS STOPPER NO. 1**

- (a) Install 2 new stoppers to the vehicle body, as shown in the illustration.



**13. INSTALL WINDSHIELD GLASS RETAINER**

- (a) Install 2 new retainers onto the glass, as shown in the illustration.



**14. INSTALL WINDOW GLASS ADHESIVE DAM**

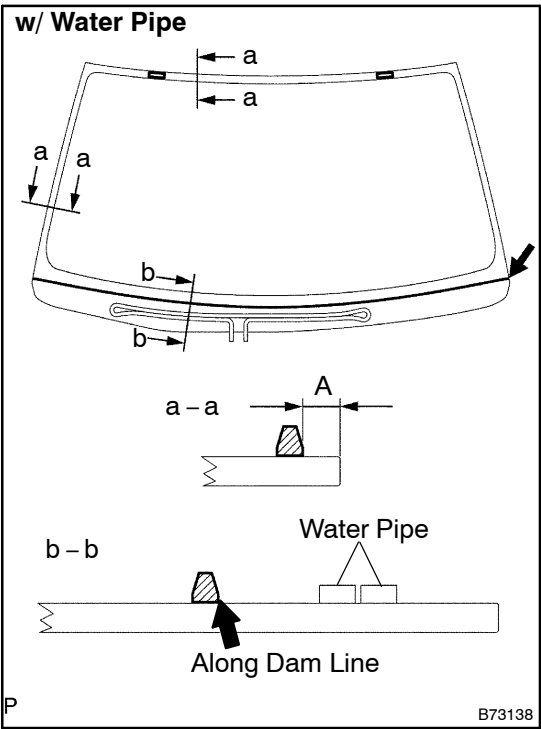
- (a) Coat the installation part of the windshield glass adhesive dam with Primer G.

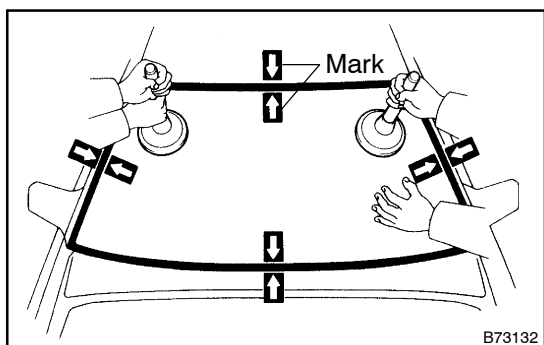
**NOTICE:**

- **Allow the primer coating to dry for 3 minutes or more.**
  - **Throw away any leftover Primer G.**
  - **Do not apply too much Primer G.**
- (b) Install a new dam, applying double-sided tape all the way around the glass except where the stoppers are installed, as shown in the illustration.

**Specification:**

Area	Measurement
A	7.0 mm (0.28 in.)





## 15. INSTALL WINDSHIELD GLASS

- (a) Position the glass.
  - (1) Using a suction cup, place the glass in the correct position.
  - (2) Check that the whole contact surface of the glass rim is perfectly even.
  - (3) Place reference marks between the glass and vehicle body.

### NOTICE:

**Check that the stoppers are attached to the vehicle body correctly.**

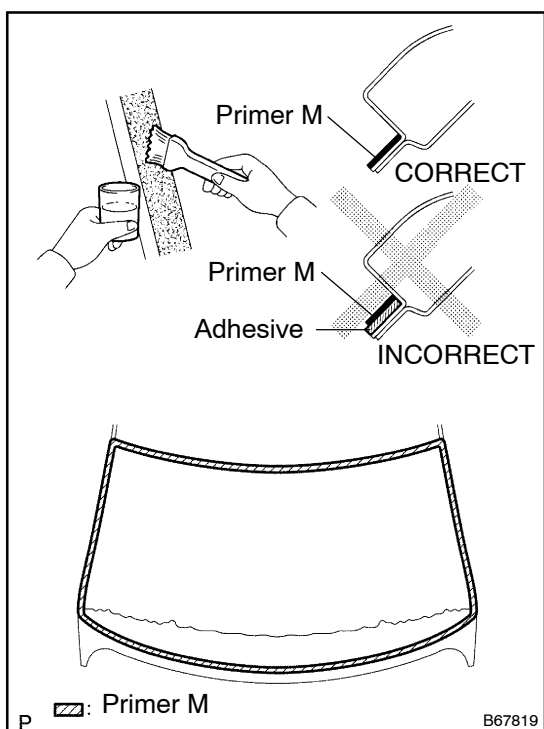
### HINT:

When reusing the glass, check and correct the reference mark positions.

- (4) Remove the glass.
- (b) Using a brush, coat the exposed part of the vehicle body with Primer M.

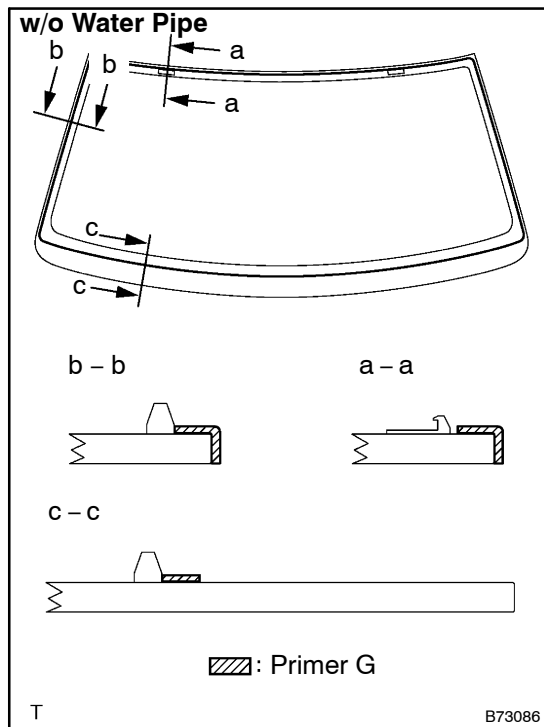
### NOTICE:

- **Allow the primer coating to dry for 3 minutes or more.**
- **Do not coat the adhesive with Primer M.**
- **Throw away any leftover Primer M.**
- **Do not apply too much Primer M.**



P : Primer M

B67819



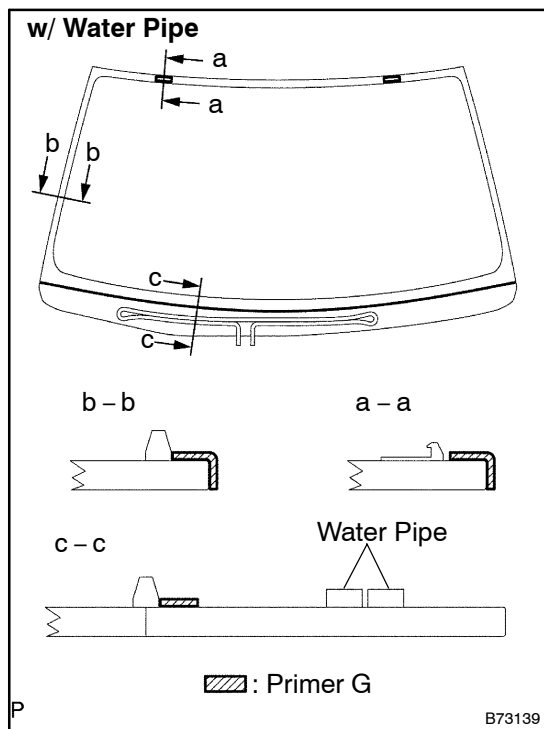
- (c) Using a brush or sponge, coat the edge of the glass and the contact surface with Primer G.

**HINT:**

If an area other than that specified is coated by accident, wipe off the primer with a clean shop rag before it dries.

**NOTICE:**

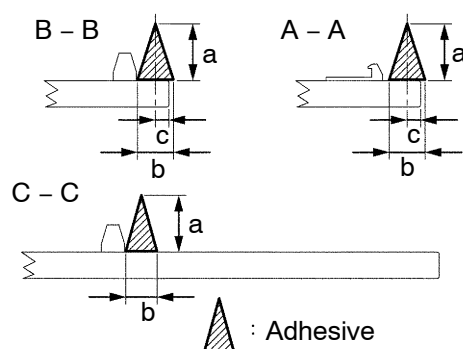
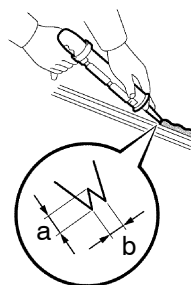
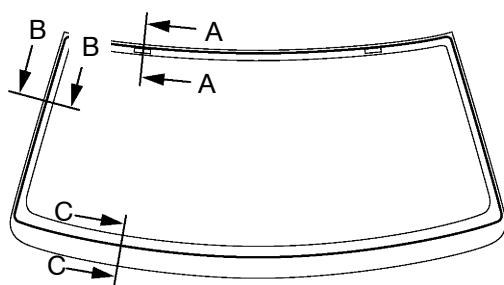
- Allow the primer coating to dry for 3 minutes or more.
- Throw away any leftover Primer G.
- Do not apply too much Primer G.



(d) Apply adhesive.

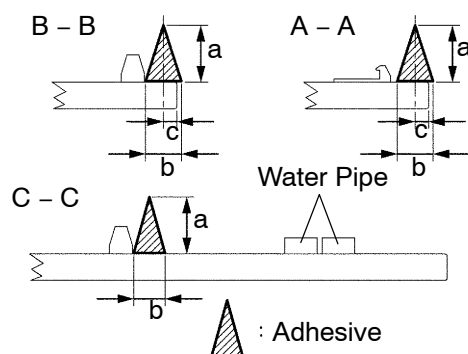
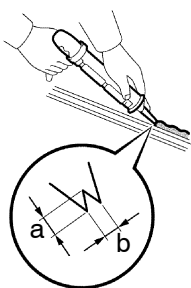
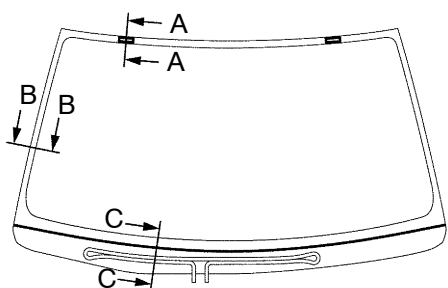
**Adhesive: Part No. 08850-00801 or equivalent**

**w/o Water Pipe**



B73399

**w/ Water Pipe**



B73140

(1) Cut off the tip of the cartridge nozzle, as shown in the illustration.

**HINT:**

After cutting off the tip, use all adhesive within the time described in the table below.

**Usage timeframe:**

Temperature	Usage Timeframe
35°C (95°F)	15 minutes
20°C (68°F)	1 hour 40 minutes
5°C (41°F)	8 hours

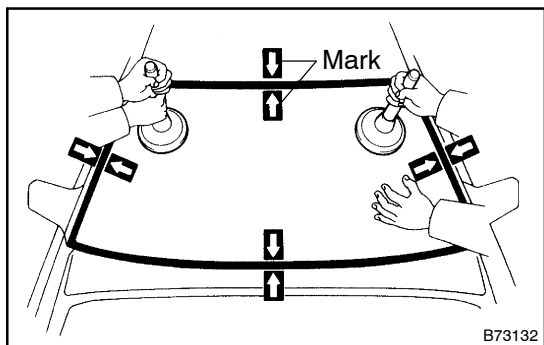
(2) Load the sealer gun with the cartridge.

(3) Coat the glass with adhesive, as shown in the illustration.

**Specification:**

Area	Measurement
a	12.5 mm (0.49 in.)
b	8 mm (0.31 in.)
c	3 mm (0.12 in.)

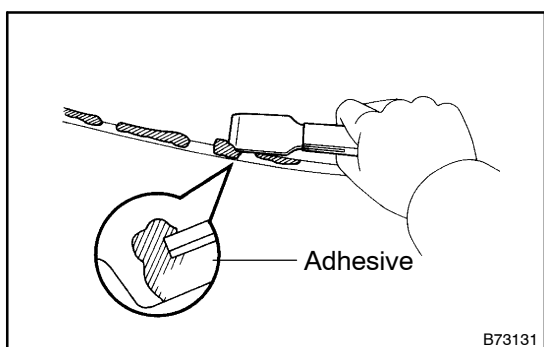




- (e) Install the glass to the vehicle body.
- (1) Using a suction cup, position the glass so that the reference marks are aligned. Press it in gently along the rim.

**NOTICE:**

- Allow the primer coating to dry for 3 minutes or more.
  - Check that the stoppers are attached to the vehicle body correctly.
  - Check that the vehicle body and glass have a small gap between them.
- (2) Lightly press the front surface of the glass to ensure that the glass is securely fit to the vehicle body.



- (3) Using a scraper, remove any excess or protruding adhesive.

**HINT:**

Apply adhesive onto the glass rim.

**NOTICE:**

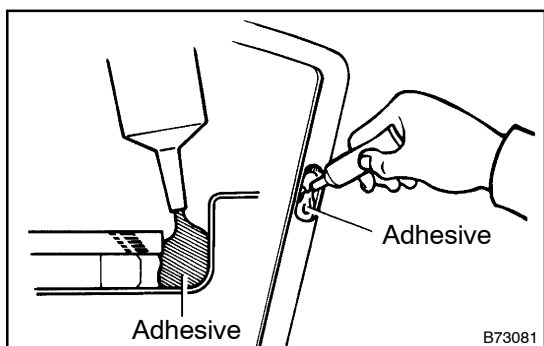
**Do not drive the vehicle for the amount of time described in the table below.**

**Minimum time:**

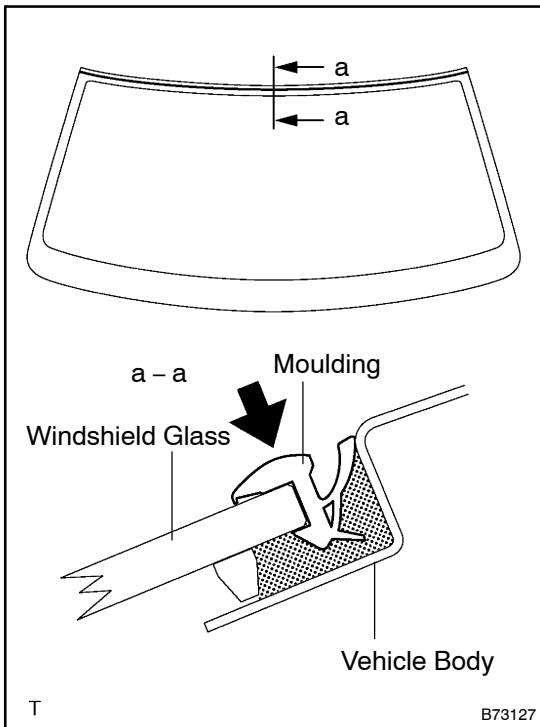
Temperature	Minimum time prior to driving vehicle
35°C (95°F)	1 hour 30 minutes
20°C (68°F)	5 hours
5°C (41°F)	24 hours

**16. CHECK FOR LEAKS AND REPAIR**

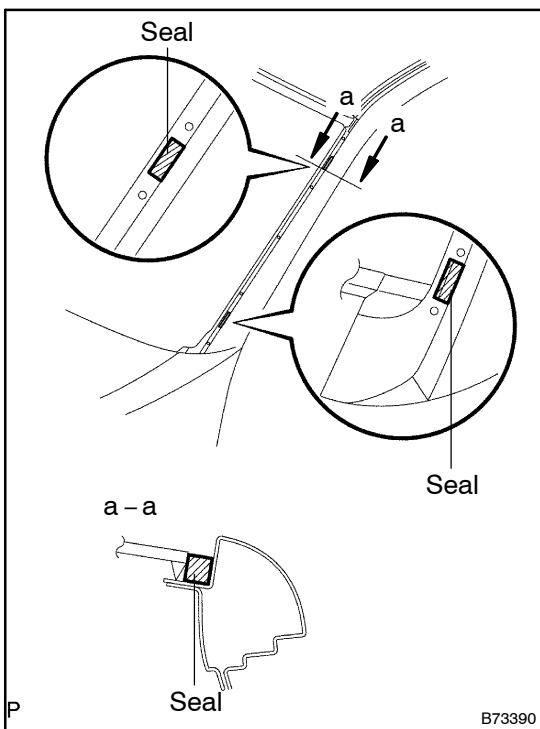
- (a) Conduct a leak test after the adhesive has completely hardened.
- (b) Seal any leaks with auto glass sealer.

**17. INSTALL WINDSHIELD MOULDING OUTER UPPER**

- (a) Apply adhesive to the moulding installation area between the glass and the vehicle body.

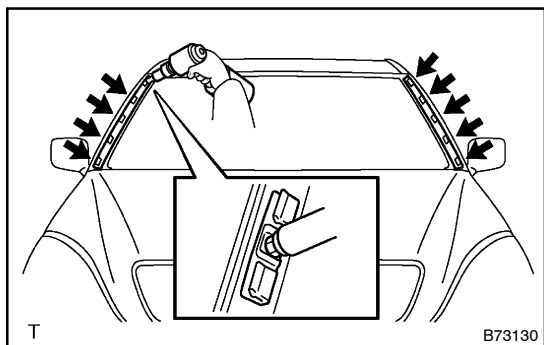


- (b) Place new moulding onto the vehicle body and tap it by hand.



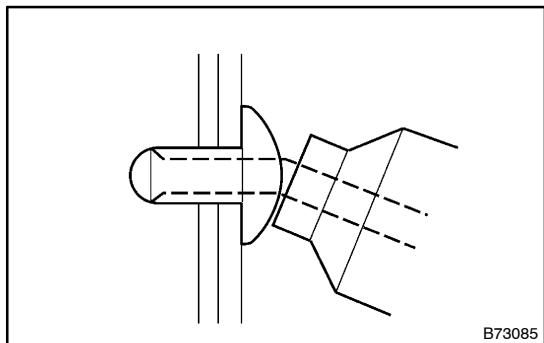
#### 18. INSTALL WINDSHIELD GLASS SEAL

- (a) Clean the installation area.  
 (b) Attach new seals, as shown in the illustration.



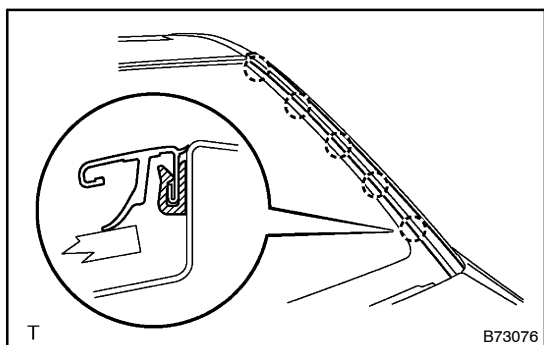
### 19. INSTALL WINDSHIELD MOULDING OUTSIDE CLIP

- (a) Using an air riveter equipped with a nose piece, strike rivets into the body panel to install the windshield moulding outside clips to the body panel, as shown in the illustration.



### NOTICE:

Position the rivets perpendicularly to the surface. Using the riveter on an incorrectly positioned rivet will bend and damage the rivet's mandrel.

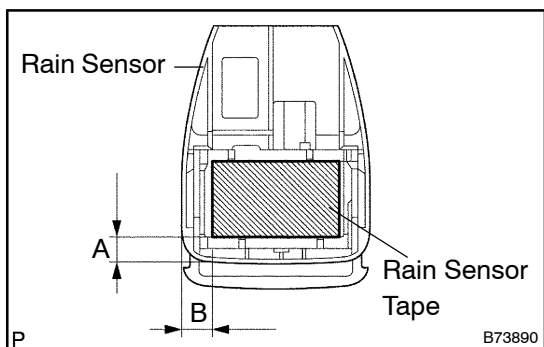


### 20. INSTALL WINDSHIELD MOULDING OUTSIDE LH

- (a) Install the windshield moulding outside, as shown in the illustration.

### 21. INSTALL WINDSHIELD MOULDING OUTSIDE RH

- (a) Use the same procedures described for the LH side.



### 22. w/ Rain sensor: INSTALL RAIN SENSOR

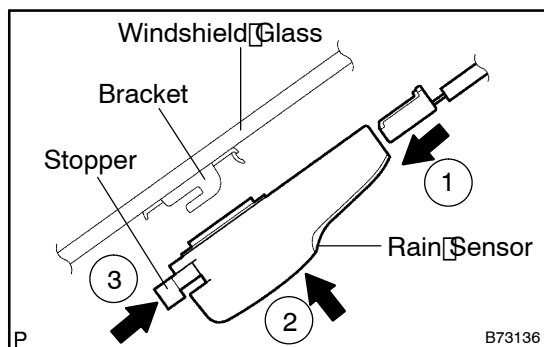
- (a) If reusing the rain sensor:  
Install new rain sensor tape.
- (1) Remove the used rain sensor tape from the windshield glass or rain sensor.
  - (2) Apply new rain sensor tape on the rain sensor lens surface, indicated by the diagonal lines in the illustration.

### NOTICE:

- Keep the tape's exposed adhesive free from dust and fingerprints.
- Apply the tape exactly according to the measurements. Do not apply tape outside of the specified area.

### Specification:

Area	Measurement
A	10 mm (0.39 in.)
B	11 mm (0.43 in.)



(b) Install the rain sensor.

**NOTICE:**

- If reusing the windshield glass: Make sure that the windshield glass has no residual rain sensor tape from the rain sensor removal process. Remove tape if necessary.
- Clean the glass surface with a cloth.
  - (1) Connect the connector.
  - (2) Peel the separation paper from the rain sensor tape.
  - (3) Securely attach the rain sensor to the bracket.
  - (4) Push the stopper upward.

23. w/ Water pipe:

**CONNECT WATER PIPE**

24. w/ Water pipe:

**REFILL ENGINE COOLANT (See page 16-8)**

25. w/ Water pipe:

**CHECK FOR ENGINE COOLANT LEAKS (See page 16-1)**