

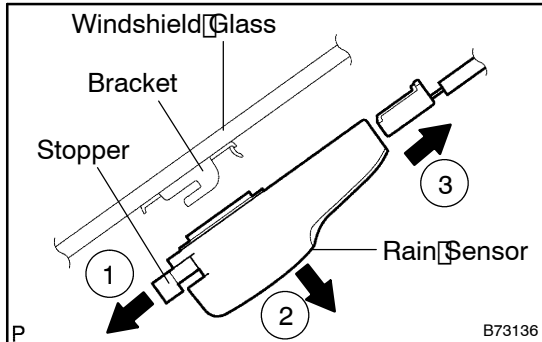
REPLACEMENT

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)

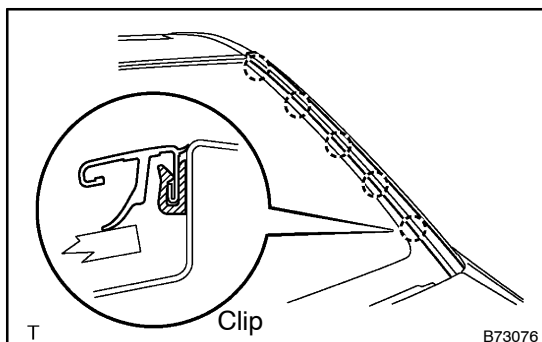
- Remove the hood to cowl top seal.
- Remove the 2 pillar pads No. 4.
- Remove the front wiper arm LH and RH.
- Remove the cowl top ventilator louver.

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.



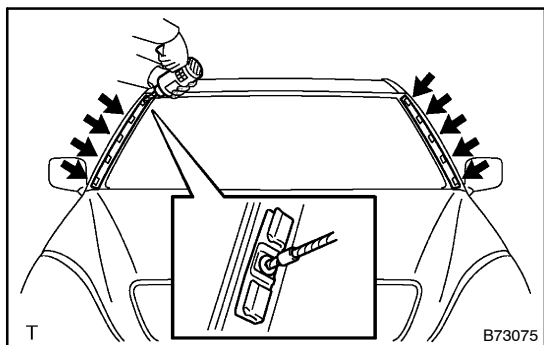
4. REMOVE WINDSHIELD MOULDING OUTSIDE LH

- 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 ϕ 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.

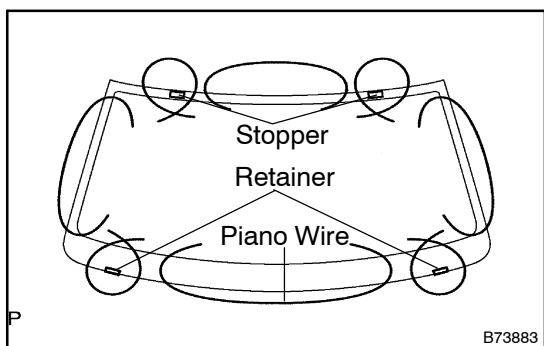
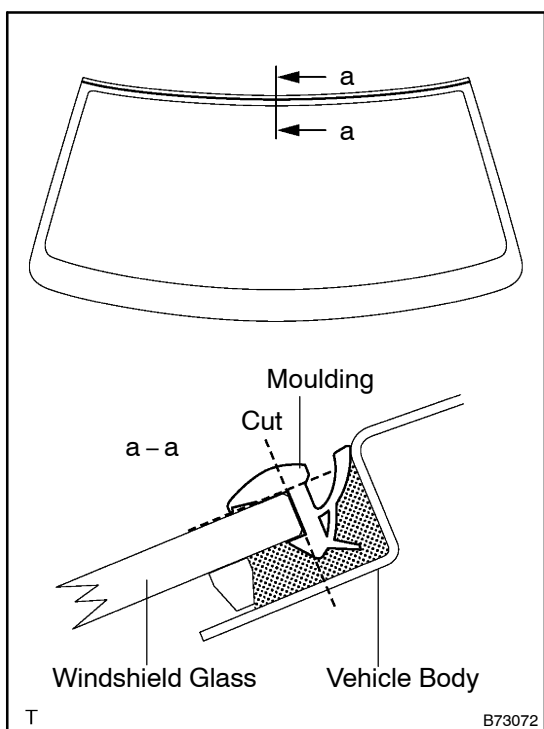
NOTICE:

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

- (b) Remove the remaining moulding.

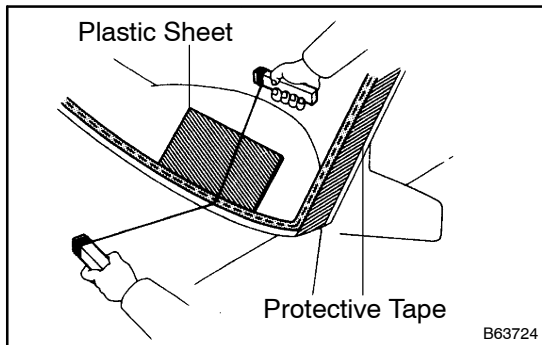
HINT:

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.

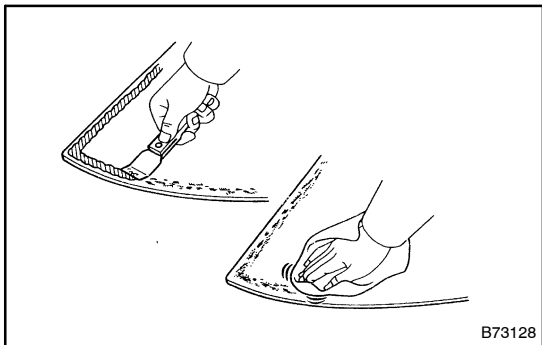
(c) Cut through the adhesive by pulling the piano wire around the glass.

(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.

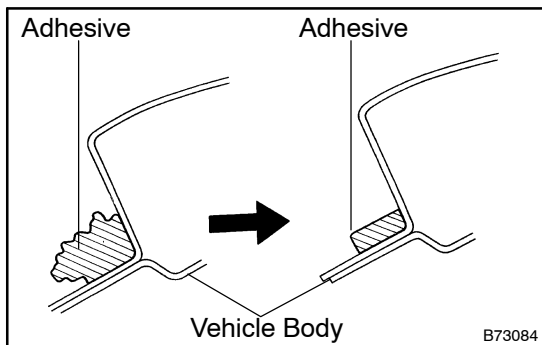
**9. CLEAN WINDSHIELD GLASS**

(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.

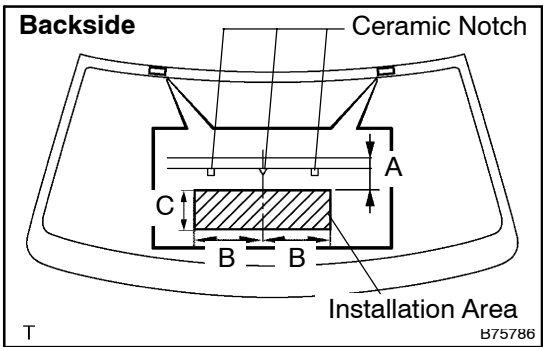
HINT:

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

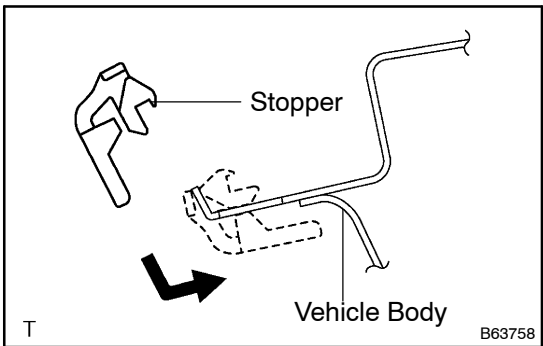
- (a) Coat the installation part of the stoppers with Primer G.

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.

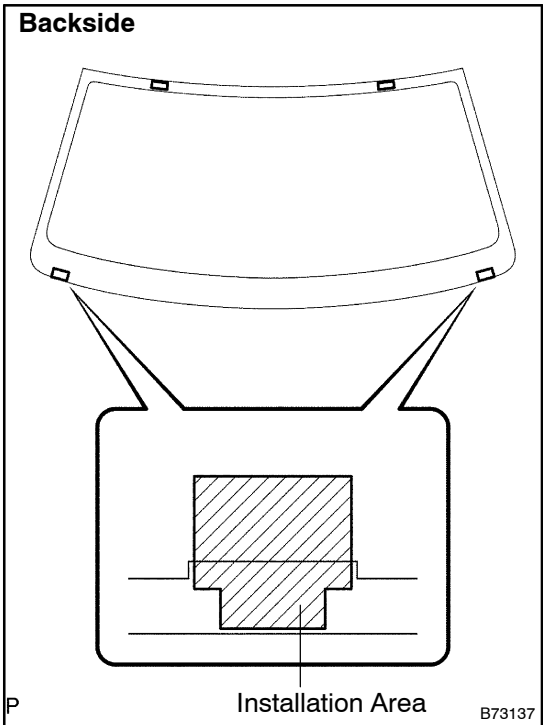
Specification:

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



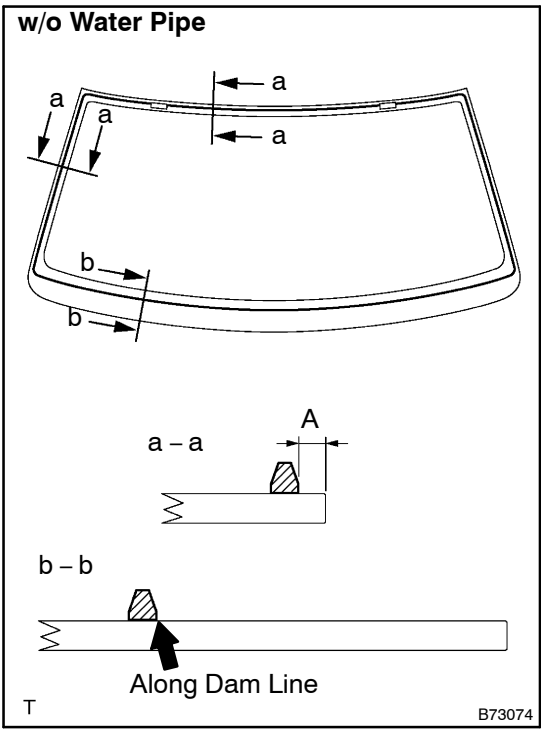
12. INSTALL WINDSHIELD GLASS STOPPER NO. 1

- (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

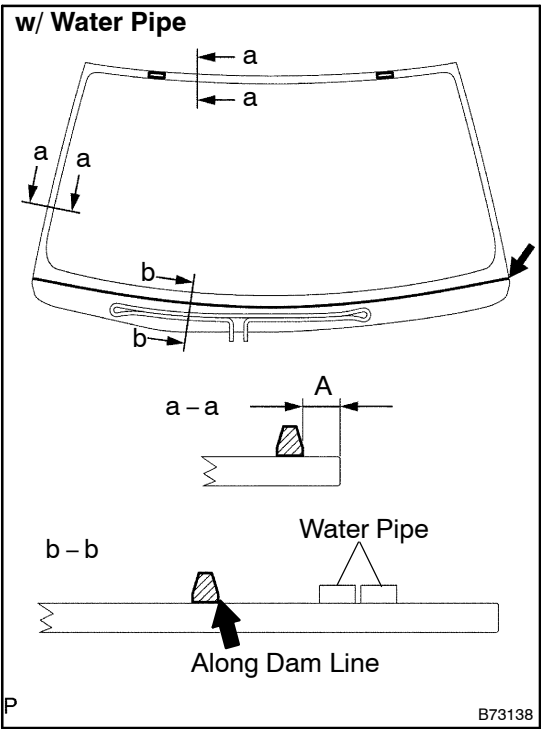
- (a) Coat the installation part of the windshield glass adhesive dam with Primer G.

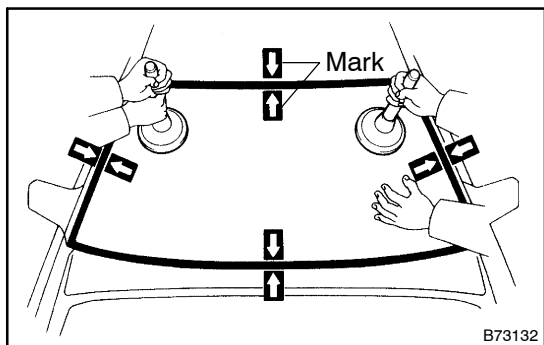
NOTICE:

- **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:

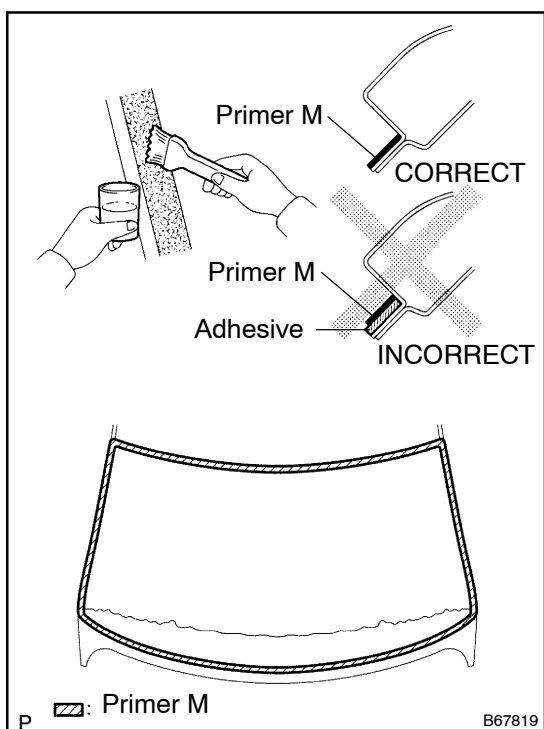
When reusing the glass, check and correct the reference mark positions.

- (4) Remove the glass.

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

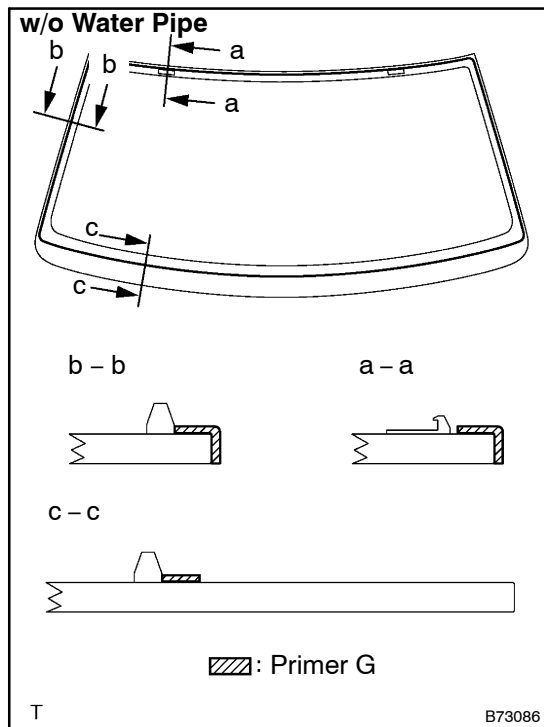
NOTICE:

- **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



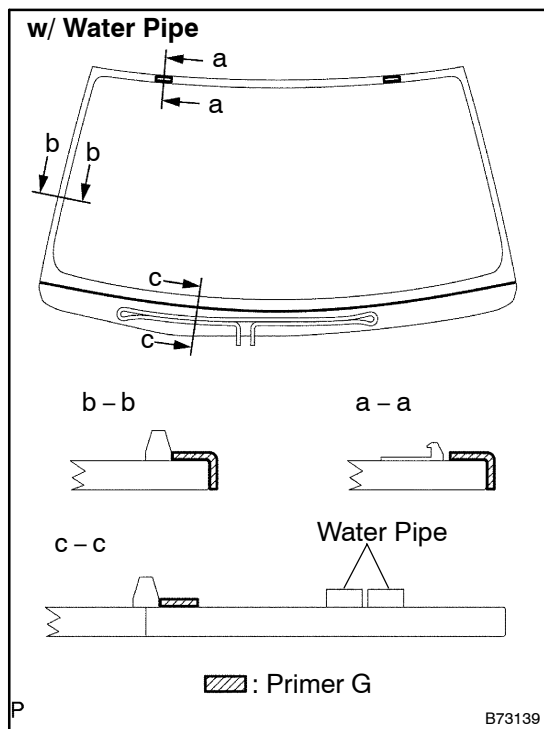
- (c) Using a brush or sponge, coat the edge of the glass and the contact surface with Primer G.

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:

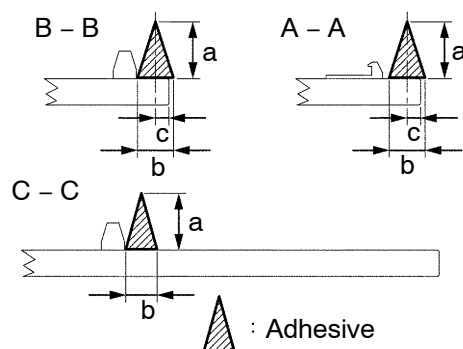
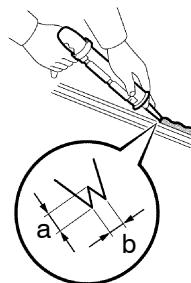
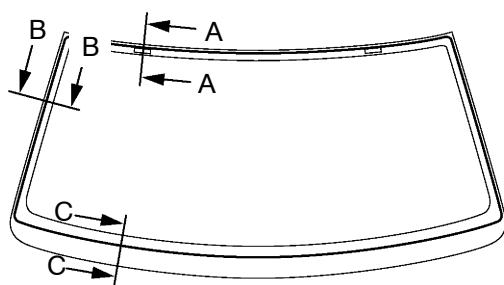
- Allow the primer coating to dry for 3 minutes or more.
- Throw away any leftover Primer G.
- Do not apply too much Primer G.



(d) Apply adhesive.

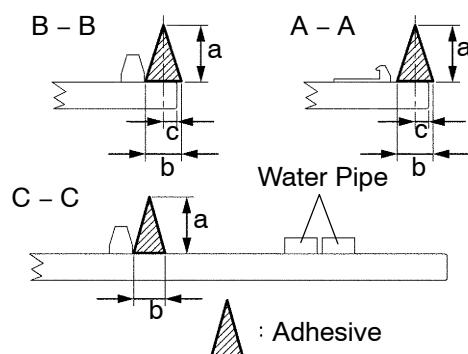
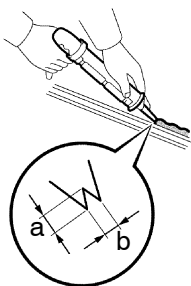
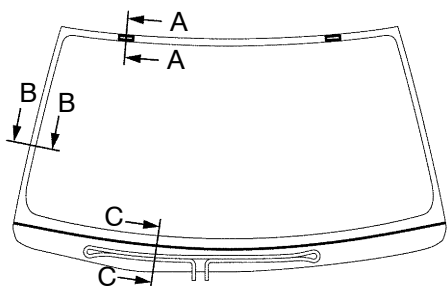
Adhesive: Part No. 08850-00801 or equivalent

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:

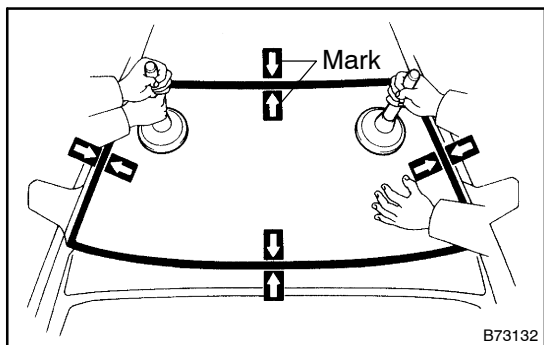
Temperature	Usage Timeframe
35°C (95°F)	15 minutes
20°C (68°F)	1 hour 40 minutes
5°C (41°F)	8 hours

(2) Load the sealer gun with the cartridge.

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

Specification:

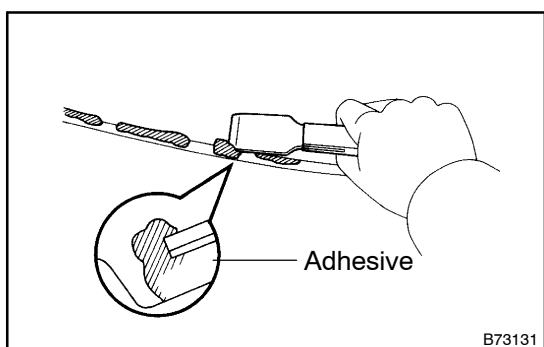
Area	Measurement
a	12.5 mm (0.49 in.)
b	8 mm (0.31 in.)
c	3 mm (0.12 in.)



- (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:

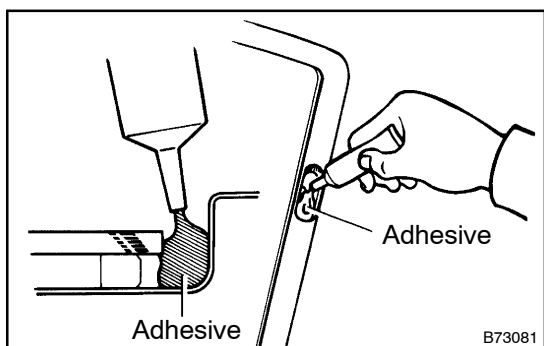
Do not drive the vehicle for the amount of time described in the table below.

Minimum time:

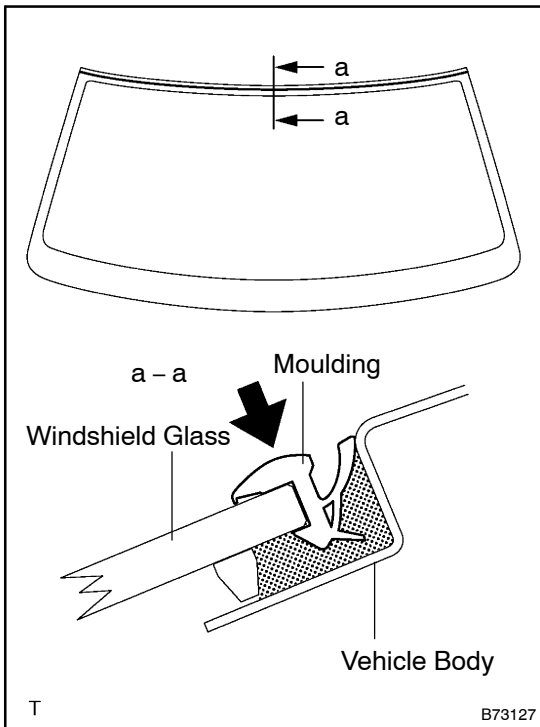
Temperature	Minimum time prior to driving vehicle
35°C (95°F)	1 hour 30 minutes
20°C (68°F)	5 hours
5°C (41°F)	24 hours

16. CHECK FOR LEAKS AND REPAIR

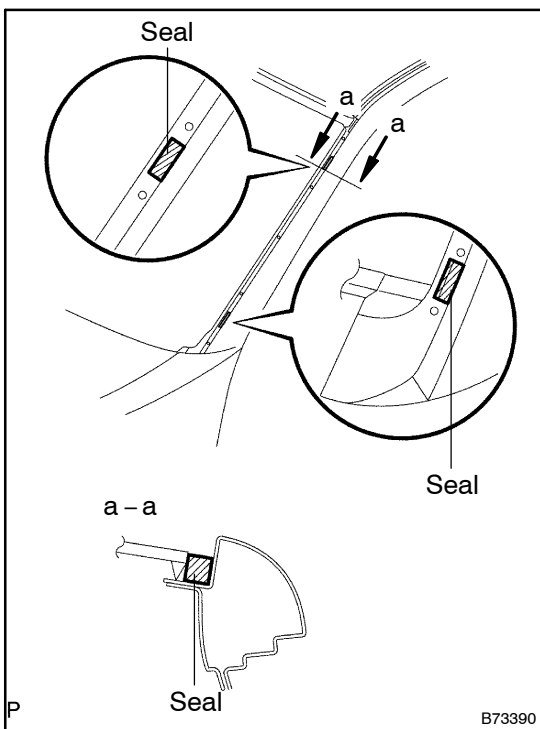
- (a) Conduct a leak test after the adhesive has completely hardened.
- (b) Seal any leaks with auto glass sealer.

**17. INSTALL WINDSHIELD MOULDING OUTER UPPER**

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

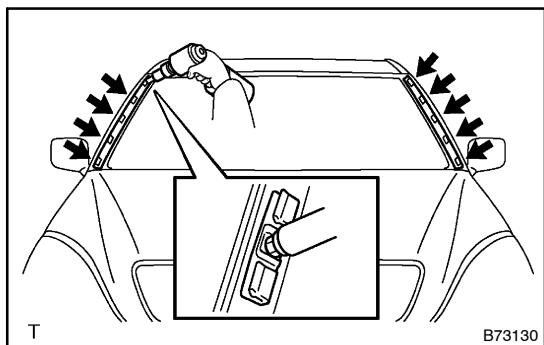


- (b) Place new moulding onto the vehicle body and tap it by hand.



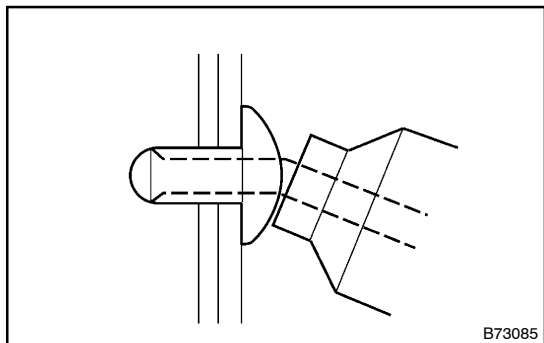
18. INSTALL WINDSHIELD GLASS SEAL

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



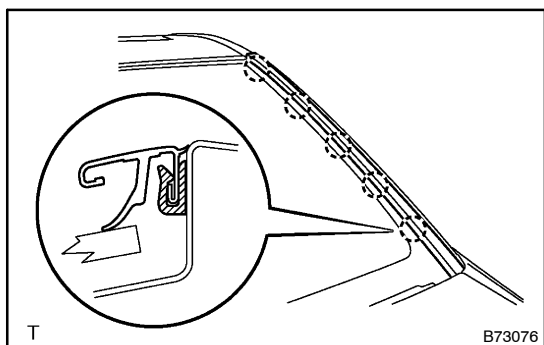
19. INSTALL WINDSHIELD MOULDING OUTSIDE CLIP

- (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.

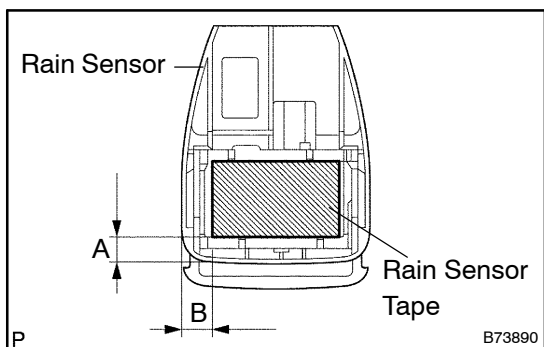


20. INSTALL WINDSHIELD MOULDING OUTSIDE LH

- (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

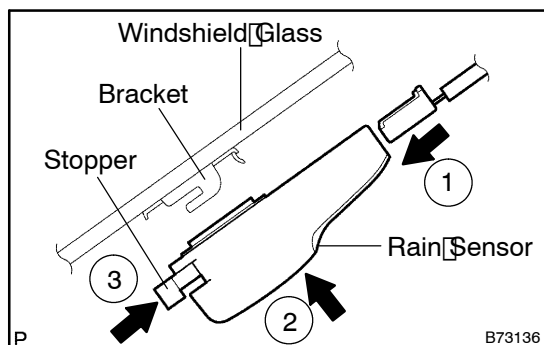
- (a) If reusing the rain sensor:
Install new rain sensor tape.
- (1) Remove the used rain sensor tape from the windshield glass or rain sensor.
 - (2) Apply new rain sensor tape on the rain sensor lens surface, indicated by the diagonal lines in the illustration.

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)