7013K–01

REPLACEMENT

HINT:

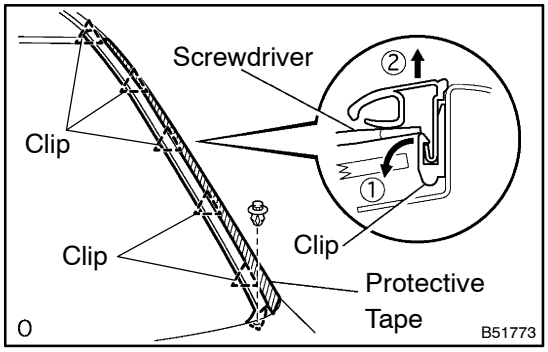
- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
- A bolt without a torque specification is shown in the standard bolt chart (see page 03–2).

1. REMOVE FRONT DOOR OPENING TRIM WEATHERSTRIP LH (See page 76–23)
2. REMOVE FRONT DOOR OPENING TRIM WEATHERSTRIP RH (See page 76–23)
3. REMOVE FRONT PILLAR GARNISH LH (See page 76–23)
4. REMOVE FRONT PILLAR GARNISH RH (See page 76–23)
5. REMOVE LH VISOR ASSY (See page 76–23)
6. REMOVE RH VISOR ASSY (See page 76–23)
7. REMOVE VISOR HOLDER (See page 76–23)
8. REMOVE ROOF CONSOLE BOX ASSY (See page 76–23)
9. REMOVE ASSIST GRIP ASSY (See page 76–23)
10. REMOVE ROOF HEADLINING ASSY (See page 76–23)

HINT:

It is not necessary to completely remove the roof headlining. Slightly lower the front section of the roof headlining so that the windshield glass can be removed later in step 19.

11. REMOVE INNER REAR VIEW MIRROR ASSY (See page 70–32)
12. REMOVE FR WIPER ARM LH (See page 56–7)
13. REMOVE FR WIPER ARM RH (See page 56–7)
14. REMOVE COWL TOP VENTILATOR LOUVER SUB–ASSY (See page 56–7)



15. REMOVE WINDSHIELD MOULDING OUTSIDE LH

(a) Put protective tape.
(b) Using a screwdriver, pry out the 5 clips.

HINT:

Tape the screwdriver tip before use.

(c) Using a screwdriver, pry out the hooks and windshield moulding outside LH.

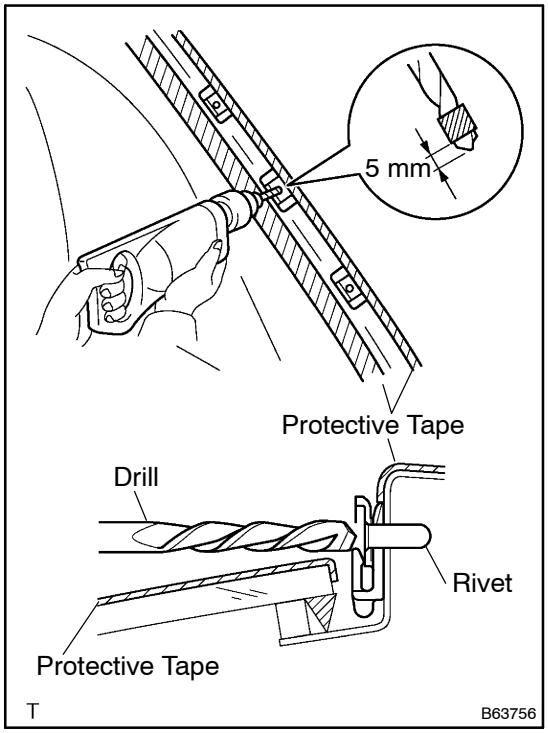
HINT:

Tape the screwdriver tip before use.

16. REMOVE WINDSHIELD MOULDING OUTSIDE RH

HINT:

Use the same procedures described for the LH side.



17. REMOVE WINDSHIELD OUTSIDE MOULDING CLIP NO.1

(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:

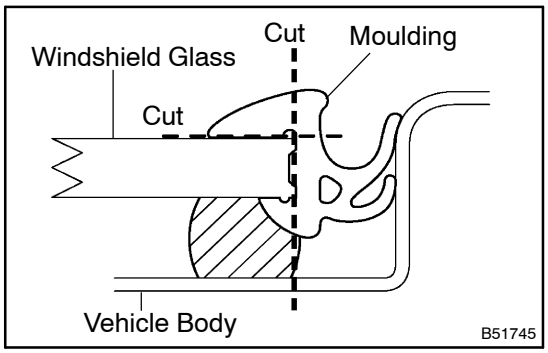
Wind tape around the drill blade so that the drill blade appears approximately 5 mm (0.20 in.) on the edge.

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 windshield outside moulding clip No. 1.



18. REMOVE WINDSHIELD MOULDING OUTER UPPER

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

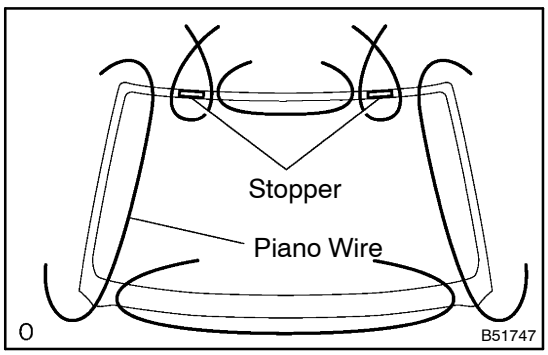
NOTICE:

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.

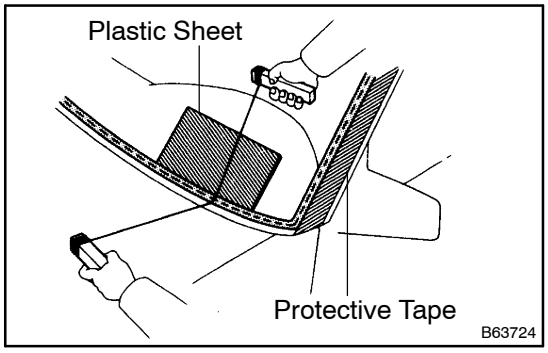


19. REMOVE WINDSHIELD GLASS

(a) w/ Window defogger:
Disconnect the connector.

(b) From the interior, insert piano wire between the vehicle body and glass, as shown in the illustration.

(c) 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.

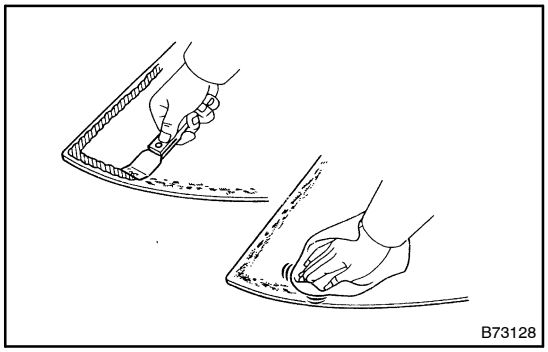
NOTICE:

- **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.**

(d) Cut through the adhesive by pulling the piano wire around the glass.
(e) Disengage the stoppers.
(f) Using a suction cup, remove the glass.

NOTICE:

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

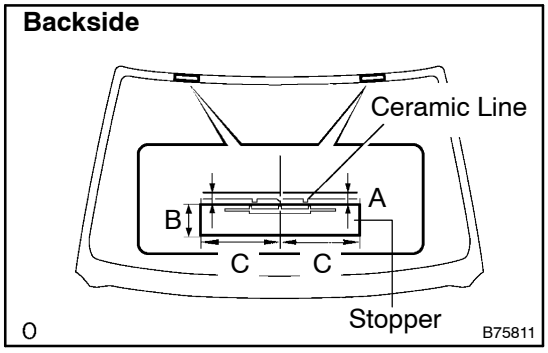


20. CLEAN WINDSHIELD GLASS

(a) Using a scraper, remove the damaged stoppers, dams 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.**



21. INSTALL WINDSHIELD GLASS STOPPER NO.2

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

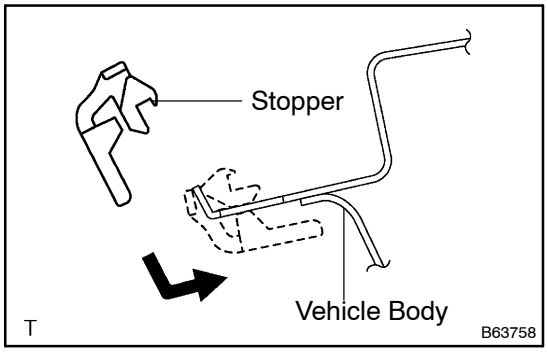
NOTICE:

- **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.

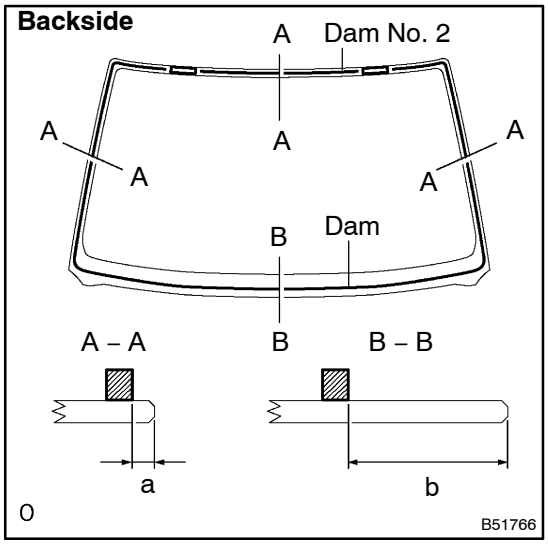
Specification:

Area	Measurement
A	7.1 mm (0.28 in.)
B	40 mm (1.58 in.)
C	12.5 mm (0.49 in.)



22. INSTALL WINDSHIELD GLASS STOPPER NO.1

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



23. INSTALL WINDOW GLASS ADHESIVE DAM

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

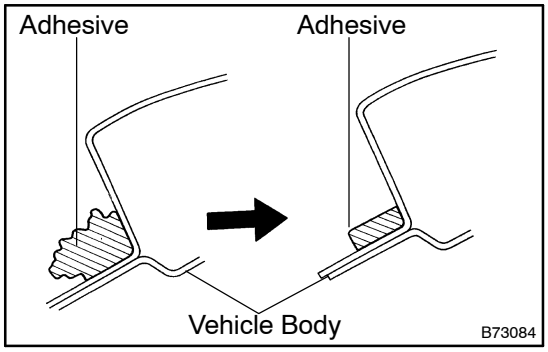
NOTICE:

- **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 mm (0.28 in.)
b	37 mm (1.46 in.)



24. INSTALL WINDSHIELD GLASS

(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.

HINT:

Leave as much of the adhesive on the vehicle body as possible.

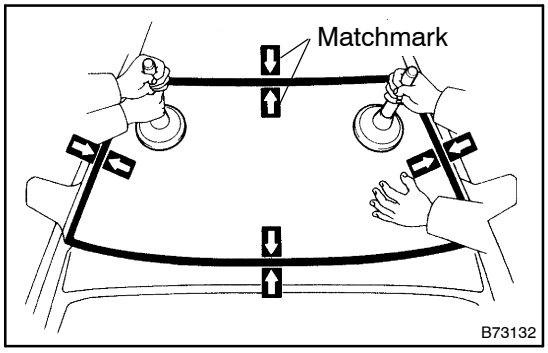
NOTICE:

Be careful not to damage the vehicle body.

(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.

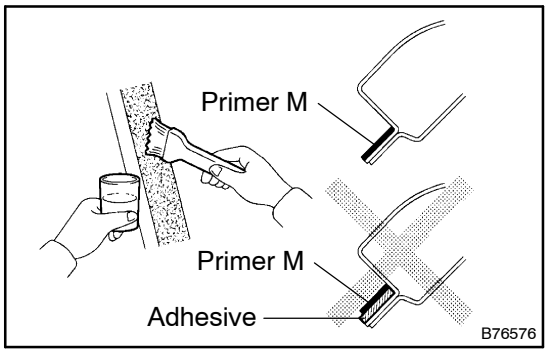


(b) Position the glass.
  (1) Using a suction cup, place the glass in the correct position.
  (2) Check that the whole contact surface of the glass rim is perfectly even.
  (3) Place matchmarks between the glass and vehicle body.

HINT:
When reusing the glass, check and correct the matchmark positions.

NOTICE:
Check that the stoppers are attached to the vehicle body correctly.

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



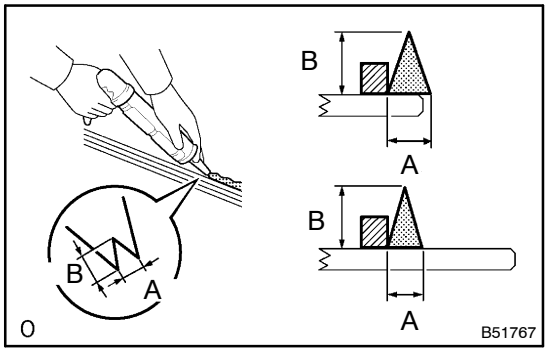
(c) Using a brush, coat the exposed part of the vehicle body with Primer M.

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.**

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

HINT:
If the 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.**



(e) Apply adhesive.

Adhesive: Part No. 08850–00801 or equivalent

(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:

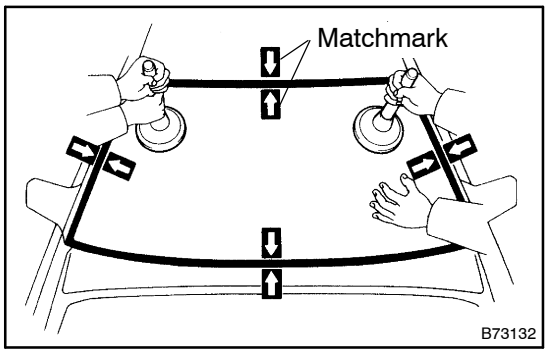
Temperature	Usage Timeframe
35°C (95°F)	15 minutes
20°C (68°F)	1 hour 40 minutes
5°C (41°F)	8 hours

(2) Load the sealer gun with the cartridge.

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

Specification:

Area	Measurement
A	8 mm (0.31 in.)
B	12 mm (0.47 in.)



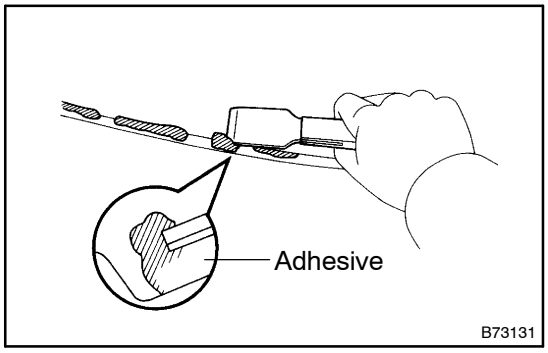
(f) Install the glass.

(1) Using a suction cup, position the glass so that the matchmarks 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 on 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

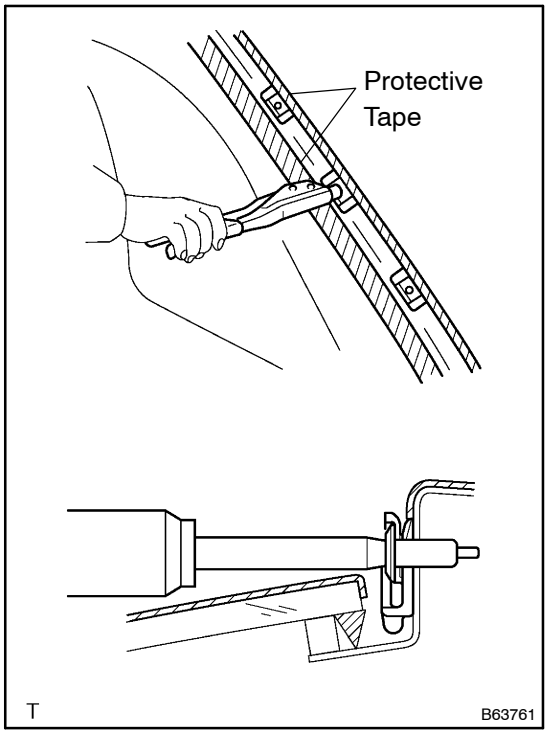
25. INSTALL WINDSHIELD MOULDING OUTER UPPER

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

26. CHECK FOR LEAKS AND REPAIR

(a) Conduct a leak test after the adhesive has completely hardened.

(b) Seal any leaks with auto glass sealer.

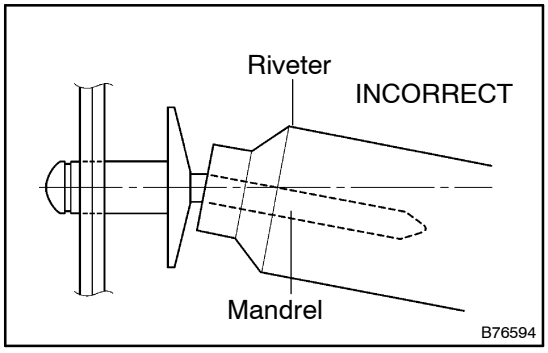


27. INSTALL WINDSHIELD OUTSIDE MOULDING CLIP NO.1

(a) Using an air riveter or hand riveter with nose piece, strike rivets into the body panel to install the windshield outside moulding clip No. 1 to the body panel.

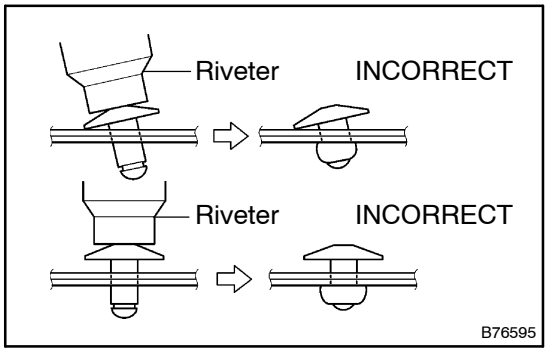
NOTICE:

- **If the rivet is not positioned perpendicularly, it will bend the mandrel.**
- **When trigger is then pulled, it may damage the rivet's mandrel.**

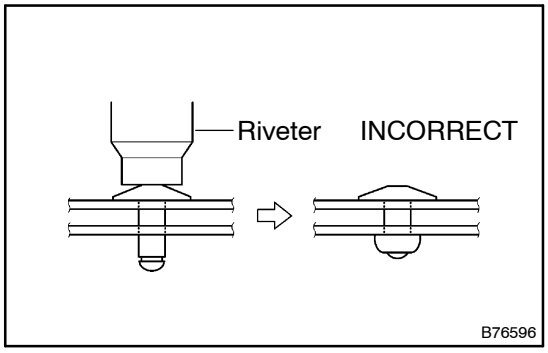


NOTICE:

- **Do not prize a riveter, because the riveter will be damaged and the mandrel will be bent.**



- **Do not tilt the riveter when removing the rivet, because the materials are not tightened firmly.**



- **Install the rivet while attaching the materials, because they are not tightened firmly.**