



SERVICE BULLETIN

Classification: BF87-017	Reference: TS87-085	Date: May 18, 1987
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WINDSHIELD REPAIR KIT, P/N 999V1-U5000

APPLIED VEHICLE(S): All Models

SERVICE INFORMATION

Windshield Sealant Kit, P/N 999V1-U5000, is available for use during windshield repair and/or replacement procedures on all Nissan models.

1. Each kit will provide for complete installation of one windshield.
2. This kit uses 3 step primer preparation instead of 2 step primer method detailed in current Nissan Service Manuals.
3. ALL CAUTIONS and WARNINGS should be carefully observed, including those on shelf-life.

Starting on the following page of this Technical Bulletin is a copy of the instruction sheet contained in this sealant kit. These instructions detail the kit components and their use. Procedures reflecting the use of the three primer method will be incorporated in future printings of Nissan Service Manuals. Make the following note in the WINDSHIELD AND WINDOWS Section of your copies of each model Service Manual:

“See Technical Bulletin BF87-017 (TS87-085) for revised Sealant Kit instructions”

Windshield Repair Kit, P/N 999V1-U5000

REPAIR KIT COMPONENTS	
ITEM	QUANTITY
Urethane Tube (558.02)	1
Primer Bottle #1 (435.18)	1
Primer Bottle #2 (435.20)	1
Primer Bottle #3 (435.34)	1
Dabber	1
1/4" Brush	2
Nozzle	1
Chem Wipe	1

General Cautions for Kit Use

- Before opening the kit, read all instructions thoroughly, particularly the Warnings and Cautions.
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- In addition to the procedures described in this instruction sheet, refer to the appropriate model Service Manual for windshield removal, assembly and other pertinent instructions.
- All primer containers must be shaken well before use.
- Keep primers and sealants in a cool, dry place. When not in use, container and tube caps must be securely in place.

Warnings

- **The materials included in this kit are for commercial use only. Keep away from heat, sparks and flame.**
- **The materials in this kit are harmful if swallowed, and may irritate skin and eyes. Avoid contact with the skin and eyes. If swallowed, CALL FOR A PHYSICIAN IMMEDIATELY. In case of skin contact, wipe off excess material, then wash with soap and water. If material gets in your eyes, flush with water for 15 minutes. Consult a physician, if necessary.**
- **Use in an open, well ventilated location. Avoid breathing the vapors. They can be harmful if inhaled, causing possible lung irritation and/or allergic respiratory reactions. If affected by inhalation, move to an area with plenty of fresh air, then consult a physician if necessary.**

Shelf-Life Caution

Shelf-life of this product is limited to six months after the date of manufacture. Carefully adhere to the expiration date printed on each container and do not store in high temperature or high humidity areas.

SERVICE PROCEDURE

1. Cover interior and exterior areas with protective covering to avoid damage and reduce cleanup.
2. Remove both windshield wiper arms, all interior and exterior moldings.
3. Remove the windshield (Figure 1). If necessary, use an electric hot knife (Kent Moore Hot Knife J-24709-1 or equivalent) to cut the adhesive material from the glass.

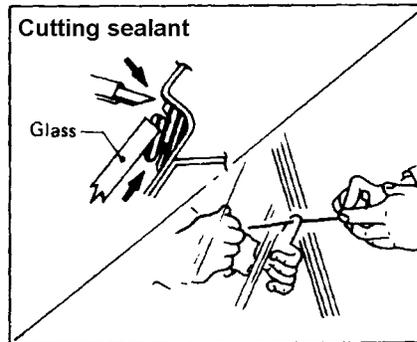


FIGURE 1

4. Thoroughly clean the bonding surfaces (Figure 2). If necessary, trim excess sealant from around the rubber spacers. This will allow for a good fix when the new sealant is applied.

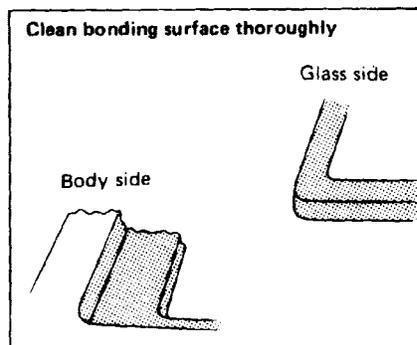


FIGURE 2

5. Install spacers, moldings and rubber dam as required (Figure 3).

NOTE: Kits containing Genuine Nissan window retainer components for various Nissan models are available from your Nissan dealer. Refer to the appropriate model Service Manual for installation specifications.

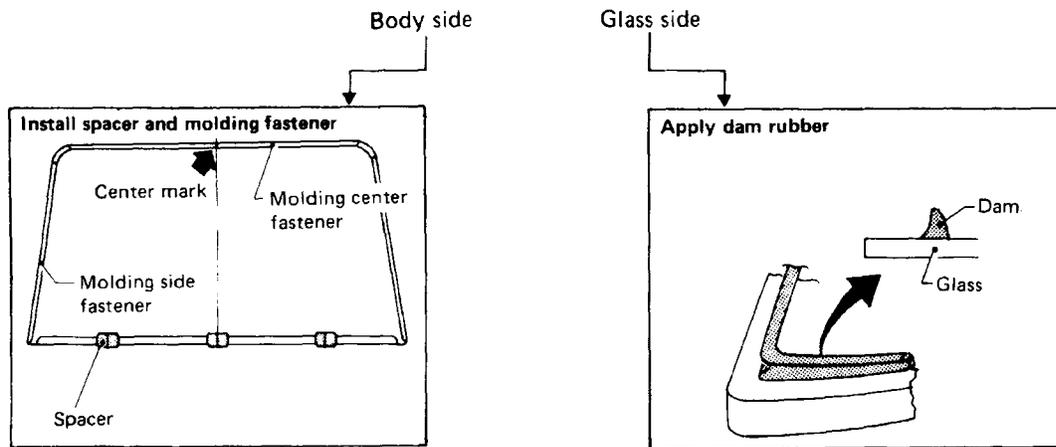


FIGURE 3

6. Using the wool dabber, apply **Cleaner-primer bottle #1** around the windshield edge (Figure 4). The primer sets very quickly and must be wiped off while still wet (within seconds of application). Do only 1 or 2 feet of the windshield edge at a time, then quickly wipe clean with the chem wipe provided in the kit. DO NOT touch after cleaning.

APPLY PRIMER #1 IN SMALL (1-2 FOOT) PORTIONS
THEN WIPE IMMEDIATELY WITH CHEM WIPE.

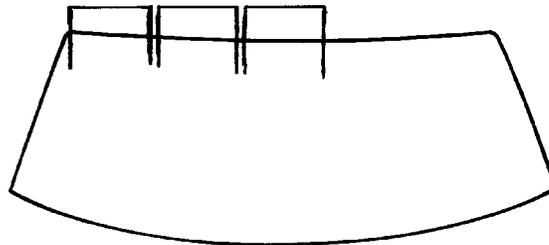


FIGURE 4

- Using the small brush in the kit, apply **primer bottle #2** to the top and side windshield edges and lower surfaces (Figure 5a), and to both sides of the lower edge as indicated (Figure 5b).

CAUTION: Let dry for 15 minutes. Do not touch primed surfaces.

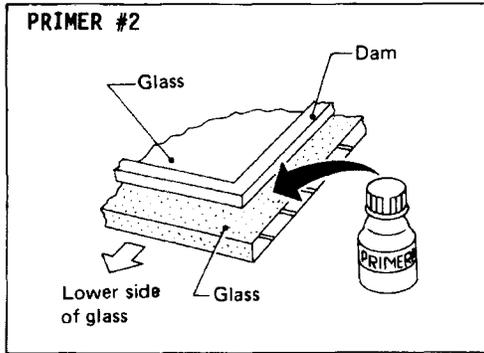


FIGURE 5a

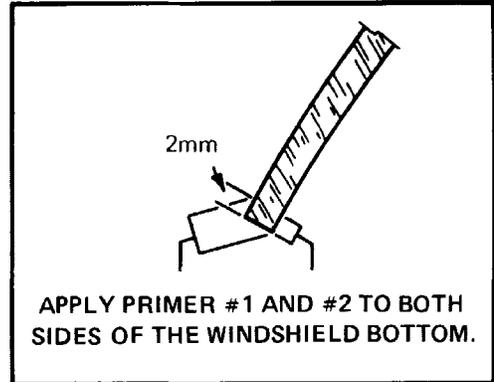


FIGURE 5b

- Using the second small brush in the kit, apply **primer bottle #3** to the body/paint surface at the areas indicated (Figure 6).

CAUTION: Let dry for 15 minutes. Do not touch primed surfaces.

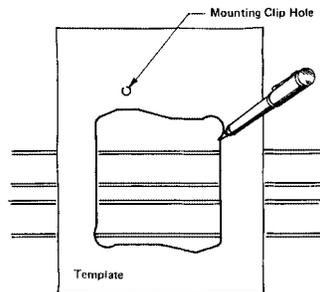
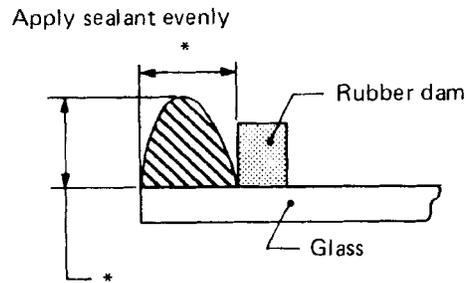


FIGURE 6

9. Cut the urethane applicator tip at an angle. Only about 1/3 of the tip head should be cut away to allow for proper sealant distribution. Apply a bead of adhesive around the perimeter of the windshield (Figure 7).



*see Service Manual for specifications.

FIGURE 7

10. Set the glass in place, pressing lightly and evenly around the edges.
11. After the windshield is in place, apply additional **urethane adhesive** along the windshield bottom edge making sure that it fills the cracks around the original adhesive (Figure 8).

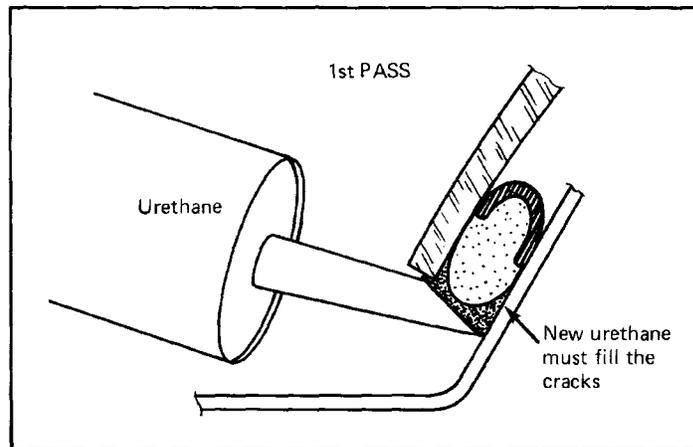


FIGURE 8

12. Make a 2nd pass to widen the base and cover the edge and surface (2mm) of the windshield (Figure 9). Adhesive should extend at least 5mm outside the edge of the windshield.

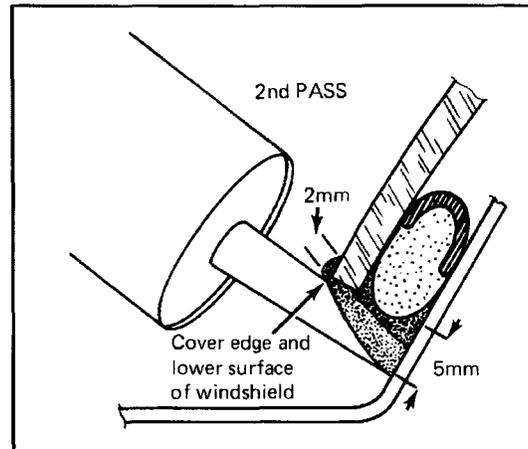


FIGURE 9

13. Water test the windshield using the procedure found in the appropriate model Service Manual.
14. Install the windshield moldings.
15. Install the windshield wipers. Be certain to follow all special cautions found in the appropriate model Service Manual when installing the wipers.
16. Test wiper operation to ensure that they function properly.