

SERVICE ADVISORY # 13-188

Vantage Roof Tape Repair

Tools Required:

- Tape Measure - Grease pencil - Naphtha Solvent -Shop rags
- Utility knife - Screw Gun - Square Bit - Alcohol cleaning solution

REPAIR INSTRUCTIONS

ONE: PREPARING THE TRAILER

Step 1 Locate the trailer on a level, flat and hard surface. Chock the wheels.

TWO: INSPECTION AND PREPERATION

Step 1 Inspect the front and rear roof to end cap tape seams for damage, peeling, etc. The new installation will overlay the existing tape wherever possible. Trim any loose or curled tape, if present, to provide a flat, smooth surface for overlayment of new tape. See Figure 1.



Fig. 1



Fig. 2

Step 2 Trim Silicone end beads flat and smooth. Use care not to puncture the roof membrane. Trimming the existing silicone bead will allow for a smoother, lower profile application of new silicone. See Figure 2.

Step 3 Inspect the overall condition of the tape and proceed accordingly. See figure 3

Intact membrane, no peeling, cracks may be present  Proceed to step 5.	Peeling membrane, loose corners, poor adhesion  If there are loose sections of existing tape membrane, proceed to step 4.	Areas of previous repair or missing membrane  Clean up peeled, loose areas, trim any sealants down smooth, taking care not to damage the roof below. then proceed to step 5.
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Fig. 3

Step 4

If possible, remove the top film membrane from the old tape. To do this, try to separate the membrane at a corner and then slowly and steadily pull up at a 90 degree angle. Do not continue if removing the membrane disrupts the adhesive layer underneath, or if residue from the adhesive layer remains on the interior surface of the membrane. Cut any loose membrane off even with the existing tape to ensure an even, flat bonding surface. See Figure 4.



Fig. 4

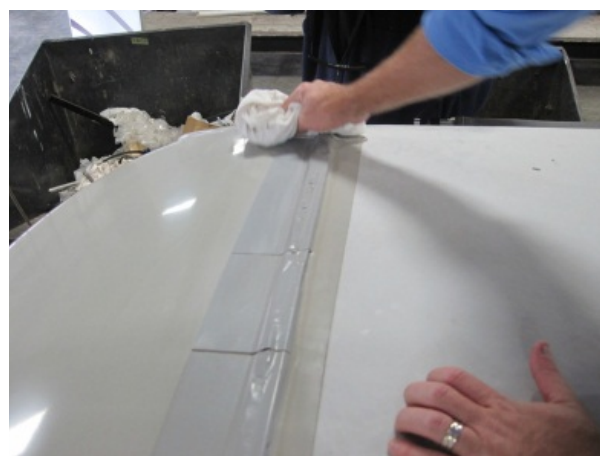


Fig. 5

Step 5

Where the top film remains intact, clean the bonding area with Naphtha by wiping with a clean cloth (do not use red shop towels). Clean an area 3-4" past the existing tape on both the EPDM roof side and the fiberglass cap side. Allow Naphtha to flash off for 5 minutes. Areas where previous mastic is exposed can be wiped in the same manner. Allow Naphtha to flash off for 5 minutes. See Figure 5 above.

Step 6

With a grease pencil, mark an alignment mark 2" out from the edge of the existing tape outward on the fiberglass cap side of the tape. These marks will be a guide for applying the new tape so mark about every 18" across the RV. See figure 6.



Fig. 6

Step 7

Repeat step 1 through step 5 for both front and rear tape applications.

Step 8

Follow step 1 through step 4 to inspect and repair the slideout roof tape.

THREE:**TAPE APPLICATION****Step 1**

Dry fit the new tape (with backing still on) to ensure that it fits between the end applications of silicone sealant. Trim if necessary so the new tape will fit against the existing sealant. See figure 7.

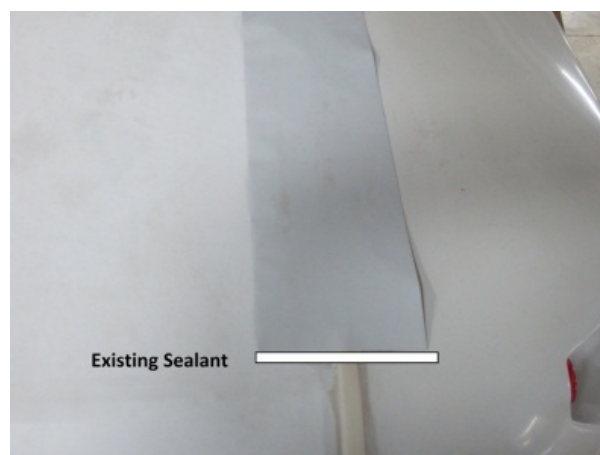


Fig. 7

Step 2

Starting on one end, peel back release paper and adhere new tape, using care to line up the edge with the 2" hash marks made previously. Adhere to the high point (above the aluminum trim) in middle first, then work the tape tightly around and down onto the fiberglass cap and the EPDM roof membrane. Try not to stretch the tape during installation. See figure 8 & 9.



Fig. 8



Fig. 9

Step 3

Use a clean rag to compress out the tape. A small roller can also be used to press out the tape to ensure a tight fit. Use care not to crease the tape during install. See Figure 10.

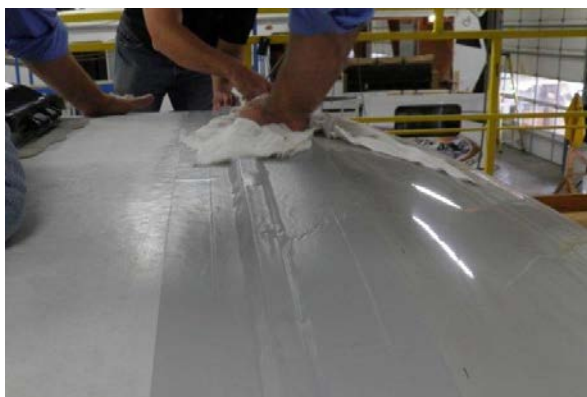


Fig. 10



Fig. 11

Step 4

Finished application should be a snug overlay atop the existing tape and extrusion. See figure 11 above.

Step 5

Apply new silicone sealant over the edge of the newly applied tape. Tool the new sealant smooth and overlap the edge of the tape a minimum $\frac{1}{2}$ ". For aesthetics, completely cover the existing silicone as well. See figure 12.



Fig. 12