



Part: PLB332-KIT, PLB332

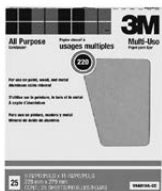
Fits: Series IIA, III and
Defender 90, 110, 130

Suggested Tools and Supplies:

- NIOSH approved respirator
- Workspace ventilation
- Disposable gloves, several pairs may be needed
- Newspaper or blankets to protect vehicle-and workspace
- 150 grit sand paper
- Rubbing alcohol or paint prep
- Shop rags or paper towels
- Step ladder
- Bench vice with "soft jaws"
[likely unnecessary]



NIOSH Approved
Respirator



150 Grit
Sandpaper



Disposable
Gloves



Safety Glasses

Installation Instructions – Dash Vent Bulkhead Seal Kit – Rubber Type

READ ALL INSTRUCTIONS COMPLETELY BEFORE BEGINNING!

Collect all tools and supplies before beginning. Preparation is crucial to avoid messy mistakes. Complete instructions #1-17 for one seal, then repeat the process to the other side.



Installation

Step 1. Do not cut the new seal, read instructions completely.

Step 2. Remove vent flap: Open the flap fully from inside vehicle. From the outside, remove the 2 bolts under the flap that hold the latch mechanism. Remove the 2 pins at the top of the flap.

Step 3. Remove old seal and prepare the bulkhead surface for best adhesion by removing any old glue and scuffing the paint with 150 grit sandpaper while wearing respirator. Be careful not break the surface of the paint and do not sand outside of where the seal contacts.

Step 4. Clean the sanded area with a clean rag and rubbing alcohol or paint prep while wearing respirator.

Step 5. Test fit the new seal and notice the contact surfaces where you will apply glue on both the bulkhead and the seal. **Seat the inside edge of the seal against the inside lip on the bulkhead. The entire seal is contained inside the channel on the bulkhead.** The U-shaped void on the back of the seal is not intended to receive the bulkhead lip, it sits flat inside the bulkhead channel and serves to increase the rubber flexibility for a better seal with the flap.

Installation Instructions – Dash Vent Bulkhead Seal Kit – Rubber Type

Installation

Step 6. Place newspaper, towel or other suitable protection on the bonnet and wing to protect from dripping glue. Similarly protect a suitable flat work area.

Step 7. Place vent seal face down on a protected work area so it's ready for glue application.

Step 8. Place your step ladder and practice getting yourself into position to fit the seal. Take a moment to consider the challenge of getting into the ideal installation position while holding the glue-covered seal.

Step 9. Be sure to have all supplies ready, including spare gloves and rags, because the following steps could get messy and you want to work quickly once you start applying the glue as it dries quickly.

Step 10. Begin workplace ventilation. Put on your respirator and gloves.

Step 11. Get into position to apply the glue before puncturing the tube as it will start oozing immediately. Use the top of the glue to puncture the tube.

Step 12. Apply a thin bead of glue around the channel in the bulkhead. The glue comes out very runny and is likely to drip if applied too thickly. **Apply sparingly, as this tube will be used for the bulkhead and seals on both passenger/driver sides, with a little left over for touch-up.**

Step 13. Use the included brush to spread the glue across the entire seal channel, including the inside of the inner lip and especially the sloped outside edge.

Step 14. On your bench, apply a thin coating of glue to the seal where you noted the contact with the bulkhead.

Step 15. Place the seal on the vent, starting on one corner and working your way around. Make sure to tuck the seal into the channel, especially under the hinges where they overlap the seal.

Step 16. Massage the seal, pushing from the outside in to ensure the seal is fully seated and symmetrical around the opening. The glue will support the seal, so it will not fall.

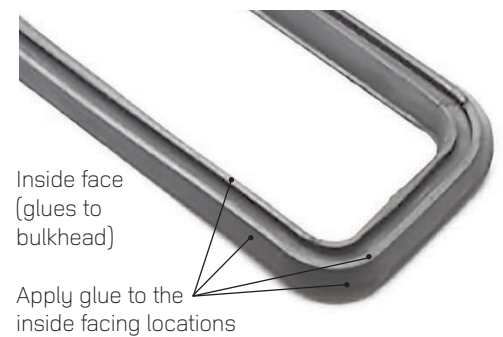
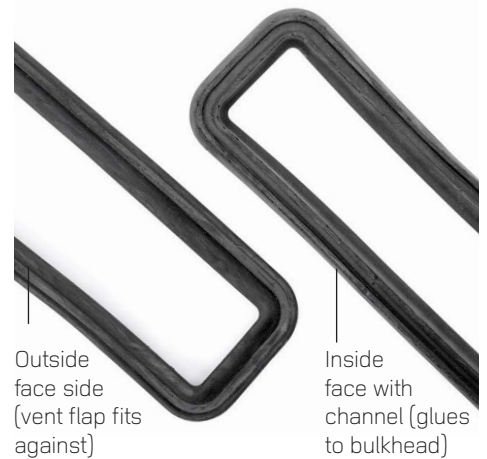
Step 17. Immediately reattach the flap and close it to hold the seal tight while the glue cures. Start with the pins, then reconnect the lever mechanism. **Leave the flap closed for at least 24hrs.**

Step 18. Inspect fitment of vent seal. In rare situations, poor alignment of hinge tabs causes seal binding at the top and no contact at the bottom, so it may be necessary to bend the vent flap tabs. **Do not attempt this step unless it is necessary as paint damage may occur. Only modify the flap side of the hinge, do not attempt to bend the bulkhead-side of the hinge.**

To "adjust" the vent flaps, bend the flap's 2 hinge tabs inwards, creating more space for the seal. Start by removing the vent flap again. Temporarily put the pin in the hinge hole to prevent crushing the hole. Clamp the flap hinge hole in a bench vice equipped with soft jaws or a rag (to prevent marring). With just your hands, push the flap by the hinge tab to bend the hinge hole towards the sealing surface. Bend both flap tabs evenly. To reduce the risk of breaking the flap, bend each tab as little as necessary, testing between bends. **Even with the upmost care, the stretching and bending of the aluminum tab is likely to break the paint finish.** After the glue has dried you can remove the flap and repaint as needed.

Step 19. Repeat steps 1-18 for the other vent seal.

Step 20. **Let the glue cure for 24 hours before opening the vent flap.** Give the seal a gentle tug around the outside to check for adhesion, add glue to any sections places that didn't adhere.

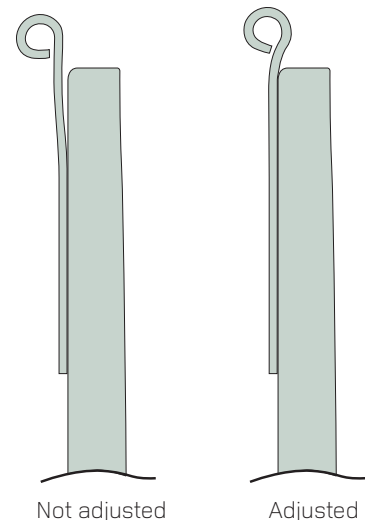


INSTALLATION TIP:

In some situations, poor alignment of hinge tabs causes seal binding at the top and no contact at the bottom.



To "adjust" the vent flaps, bend the flap's 2 hinge tabs inwards, creating more space for the seal at the top. See illustration below and Step 18.



Side View
Vent Flap Hinge Top