



Crown Automotive Sales Co., Inc.

Blend Door Repair Kit

Replaces Part #: 68080867AA

Kit Contents

- 1- Metal Blend Door
- 1- Plastic Blend Door
- 2- Spindles (1 Spare)
- 2- Patches
- 1- Grease Packet



NOTE: Ensure all components in the kit are accounted for.

The pivot shaft on the blend doors fail after years of use, causing the HVAC system to not react to temperature changes on one or both sides of the cabin. There are 2 ways to repair a broken blend door. One way involves cutting a panel out of the side of the HVAC unit. The second way requires removing the entire dash and steering column from the vehicle. These instructions will only show how to repair the blend doors via cutting the HVAC unit. Refer to a factory service manual for instructions on repairing the blend doors by removing the dash.

1. Disconnect negative battery terminal.
2. Disconnect the hydraulic arm from the side of the glove box (See Figure 1).
3. Remove the glove box by first unseating the 2 clips at the top of it (See Figure 2).
4. Unclip the 3 clips that the glove box pivots on.
5. Disconnect the temperature sensor and blend door motor plug.
6. Remove the blend door motor from the HVAC unit (See Figure 3). Retain for later use.
7. Remove the retaining screw or clip to the right of where the temperature sensor (See Figure 3). Retain for later use.
8. Remove the spindle from the HVAC unit. It is located behind the blend door motor.
9. Mark the areas that need to be cut in the HVAC unit (See Figure 3) using a grease pencil or white marker.
10. Using a dremel tool, carefully cut the lines marked on the HVAC unit. Be careful not to cut outside of the marked line on the right as the heater core and evaporator core are mounted close to where the cut will be made. The bottom of the box does not need to be cut as it has a tongue-and-groove joint. Remove the cut portion of the HVAC unit and retain for later use.



Figure 1

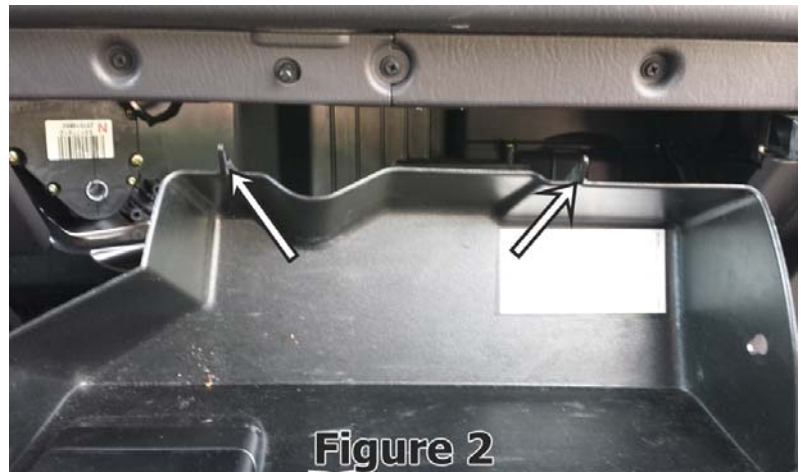


Figure 2

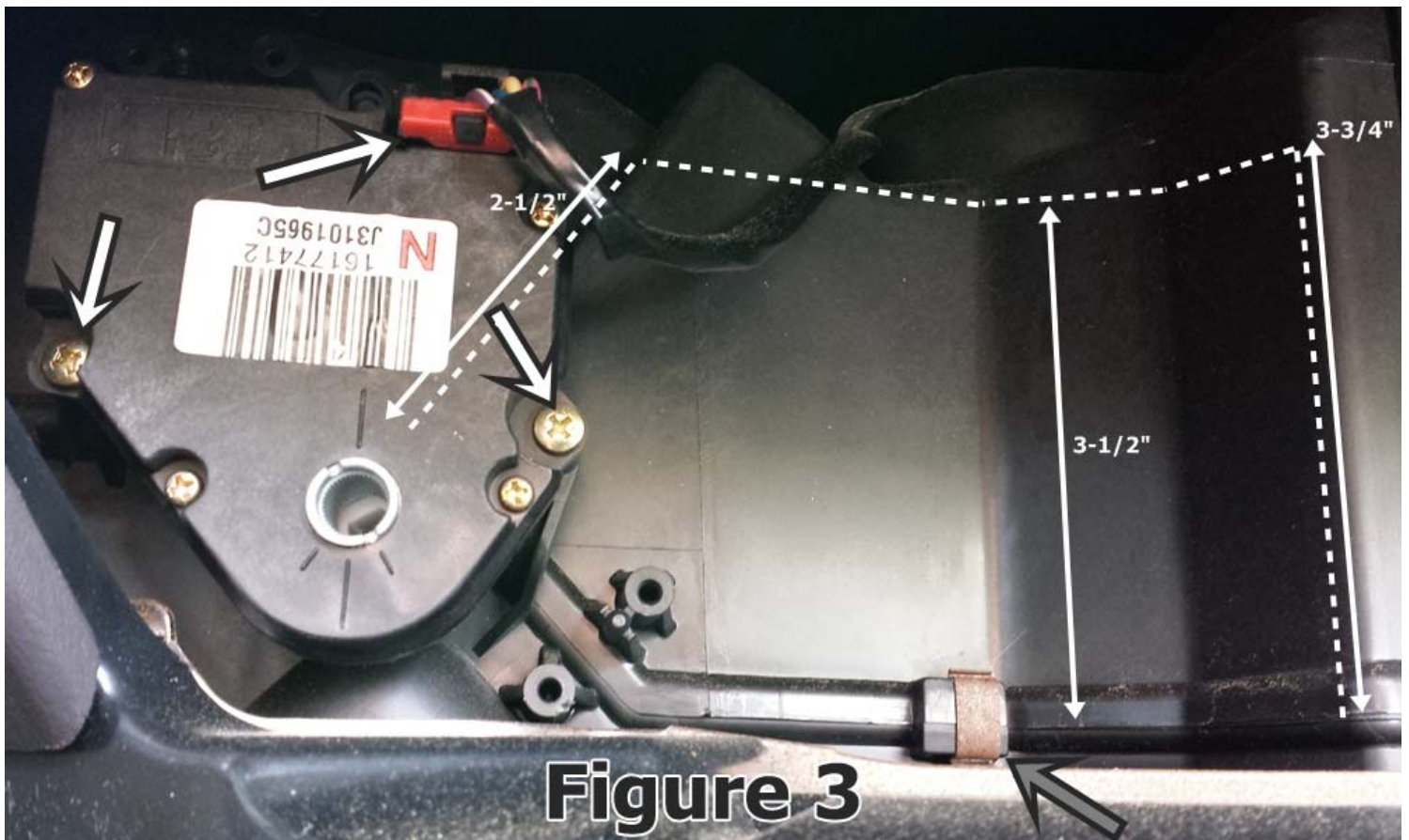


Figure 3

11. Remove and discard the outer blend door.
12. Cut the plastic panel separating the inner and outer blend door enough to remove the inner blend door. A 3" tall section is usually enough to remove it.
13. Remove and discard the inner blend door.
14. Clean up any plastic shavings in or around the HVAC unit.
15. Ensure the inner blend door spindle is in the proper operating range. The key should be between the door's open and closed position. If the blend door is not within this range adjust the HVAC controls until it is within the desired range.
16. Apply a small amount of grease to both ends of the replacement aluminum blend door and install into the inner position in the HVAC unit.
17. Install the replacement plastic blend door and spindle into the outer position in the HVAC unit. The rib in the door should face downward.
18. Clean the area of the HVAC unit around where the panel was removed with an alcohol wipe.
19. Re-install the panel that was cut back into the HVAC unit using the supplied patches. Ensure that it is an airtight seal.
20. Install the screw or clip that held the panel to the HVAC unit.
21. Install the temperature sensor.
22. Install the blend door motor. The spindle may need to be rotated to allow it to engage into the blend door motor.
23. Connect the negative battery terminal and ensure proper operation of the HVAC unit.
24. Install the glove box by first seating the 3 pivot clips followed by the 2 clips at the back of the glove box.
25. Install the hydraulic arm onto the side of the glove box.

ENJOY YOUR FUNCTIONING HVAC BLEND DOORS!

While every attempt is made to ensure that the information contained in these instructions is correct, no liability can be accepted by the authors for loss, damage, or injury caused by any errors in, or omissions from the information given. All service should be performed by qualified mechanics. Crown Automotive Sales Co., Inc. cannot be held responsible for any mechanical work performed. Standard and accepted safety precautions should be used in every procedure.