

INSTALL/REMOVAL INSTRUCTIONS: BLEND DOOR

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902-224

Ford Explorer (02-08) Blend Door Repair Kit Installation Instructions

Packing list:

- Blend door
- Metal duct tape

Tools required:

- Screw driver
- Wrench set
- Dremel tool
- Hot glue gun
- Optional: shop vac, flashlight

1. **Set the parking brake, block the wheels, and place the car in neutral. Disconnect the negative terminal of the battery.**
2. **The fix can be done without removing the center console and pulling back the driver's side dash panel. However, the area to work in is very confined and we recommend doing the extra work to open better access to the blend door actuator motor and heater box**
3. **Remove the two side curtains on either side of the center console. See fig 1.**



Disclaimer:

Even though every attempt is made to ensure this information is complete and accurate, it is impossible to account for all possible circumstances or situations. Please consult with a qualified auto technician before attempting to perform any work you are not qualified to do. Automobiles can be hazardous to work on; be sure to take all necessary safety precautions. Failure to do so may result in property damage or personal injury. Certain motor vehicle standards and performance requirements may apply to our motor vehicle (such as Federal Motor Vehicle Safety Standards by the National Highway Traffic Safety Administration). Be sure that your work is performed in accordance with such standards and that you do not disable any motor vehicle safety feature.

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Fig 1.

4. Pull the carpet back and remove the brace shown in fig 1. A mirror image of this brace is also removed on the passenger side.
5. Remove the floor vents on both sides.
6. On the passenger side of the heater box, there is a lever that is attached to the far side of the blend door axle. Remove this lever.
7. On the driver's side, disconnect the wiring harness and remove the blend door actuator motor.

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Fig 2.



Fig 3.

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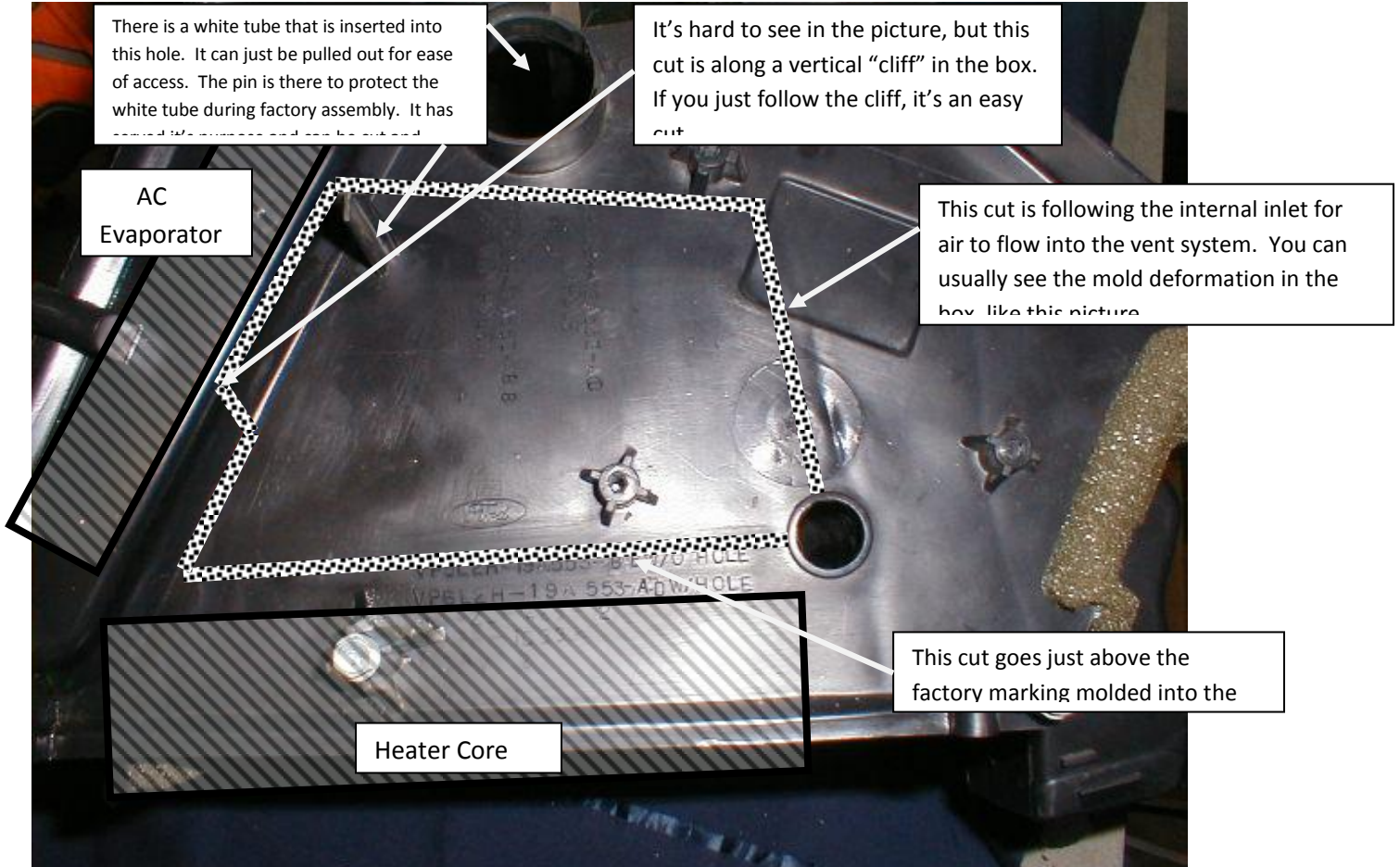


Fig 4.

8. Fig 4. Shows the cut pattern into the heater box.

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Fig 5.



Fig 6.

9. Remove the old door through the opening that you cut into the box.
10. Check the fit of the motor axle into the new blend door just to be sure you will have no problems assembling the system.
11. Insert the new door into the system.
12. Re-fit the cutout section into the heater box and seal with the provided metal duct tape. The motor mounts to two screw attachments that were left intact and one that is in the cut-out section. Attach the shaft to the motor and the motor to the box and insert a screw into the cut-out segment to align and hold the door in place. You can now “tack weld” the door in place with a hot glue gun. It’s difficult to fully seal the box with hot glue and the metal duct tape over the seams will fully seal the cuts.
13. Attach the motor to the heater box and re-connect the connector.
14. . Check operation of the system.
15. Replace vents, braces, and skirts. Expect reliable operation for the life of the car.

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