

# INSTALL/REMOVAL INSTRUCTIONS: BLEND DOOR

**ATTENTION:** Refer to the appropriate shop manual for your vehicle to obtain specific service procedures for this part. If you do not have a service manual or lack the skill to install this part, it is recommended that you seek the services of a qualified technician. Pay special attention to all cautions and warnings included in the shop manual. Read and follow all instructions carefully.

## 902-221

### Ford Explorer/Ranger Blend Door Installation Instructions

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Remove the three screws holding the glove box hinge to the frame and place the glove box out of the way.

Disconnect the wire blend door actuator harness and remove the blend door.

Use the pattern in Fig. 3 to cut into the bottom of the heater box with your Rotary cutting tool or hot knife. The cut is made from under the dash panel on the passenger side. There is not much room to work, so it is helpful to have a short bodied cutting tool or a flexible extension attachment. Note that there is nothing behind the cut area that can be damaged. The only critical point is to make sure you do not cut into the round pedestal circled in Fig. 4.



Before

After

Fig. 3



**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. 4

Remove the old plastic blend door.

Slide the new blend door into the bottom opening with the motor connector on top. Make sure the bottom of the blend door is completely inserted in the pedestal.

Insert the top axle insert through the top of the blend door. This will be inserted through the hole where the blend door actuator output shaft goes.

Check that the door moves freely and is not binding in the box.  
Replace the actuator motor and re-connect the harness.

Reconnect the battery and turn on the HVAC system. You can observe movement of the blend door when you adjust the temperature knob. The extents of movement may not be completely correct on the first trial. The computer needs to recalibrate to learn the position of the new hardware and may take a few cycles.

When you have confirmed that the door is operating properly, the last step is to replace the cut-out piece that you removed. Use the provided metal tape to secure the cut-out in place.

Replace the glove box...DONE!!!

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