

# INSTALL/REMOVAL INSTRUCTIONS: BLEND DOOR REPAIR KIT

**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.

## REMOVAL/INSTALL OF BLEND DOOR REPAIR KIT (902-603)

Jeep Grand Cherokee 2004–99

**PLEASE WEAR  
SAFETY GLASSES!**

### Parts Included:

- Actuator Repair Sleeve
- Mounting Plate
- Precision Hole Saw Tool

### Tools required for removal and installation of Blend Door Repair Kit:

- Battery Powered Drill
- Needle Nose Pliers

**CAUTION:** This repair applies only to an air temperature door control shaft that has cracked or separate at the actuator driven end of the door shaft.

**NOTE:** This repair is applicable to all 1999–2004 Jeep Grand Cherokee models with a single air temperature door HVAC system. On 1999–2004 Jeep Grand Cherokees equipped with a dual air temperature door HVAC system (individual doors for driver's and passenger's side), the repair is applicable for the driver's side blend door ONLY.

## Instructions

**STEP 1:** Open the glove compartment.

**STEP 2:** Press inward on the two rubber stops at the top rear corners of the glove compartment. This will allow the glove compartment to release and drop toward the floor.



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 your 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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**STEP 3:** The air temperature actuator is located to the left of the glove compartment and is held in place with Phillips type screws. Remove the air temperature actuator screws (Qty 2) from the HVAC module.



**STEP 4:** Remove the air temperature actuator from the HVAC module to access the temperature door shaft. It is not necessary to disconnect the power source from the actuator.



**STEP 5:** Inspect the end of the temperature door shaft. Remove any loose door shaft pieces and discard. Confirm that the end of the shaft has in some part weakened or completely separated from the temperature control door. Gently rotating the end of the shaft should confirm this condition.

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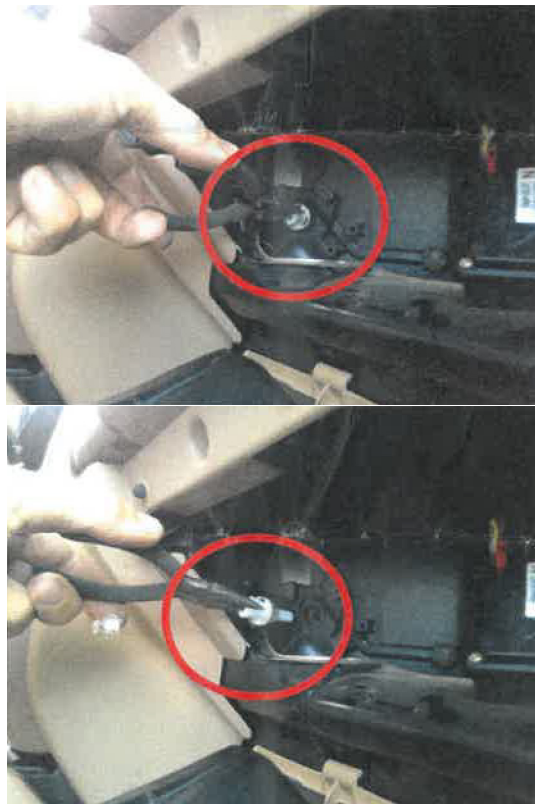
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**STEP 6:** Using needle nose pliers, pull the temperature door shaft key away from the HVAC case to remove it.



**STEP 7:** Install the mounting plate using the air temperature actuator screws (Qty 2). The mounting plate incorporates a screw with spacer at the right lower corner (circled in photo). The screw aligns to a screw hole in the HVAC case. Tighten this screw until it bottoms out to provide stability for the mounting plate.



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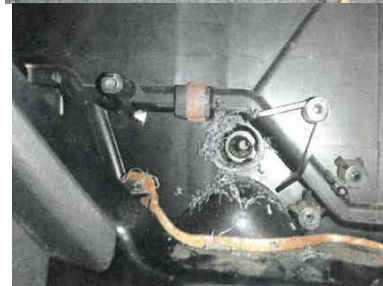
**STEP 8:** Insert the precision hole saw tool inside the mounting plate.



**STEP 9:** Attach a battery powered drill to the precision hole saw tool. Drill at a moderate speed until the outer sleeve of the precision hole saw tool bottoms out onto the mounting plate.



**STEP 10:** Back out the precision hole saw tool from the mounting plate. Remove the screws holding the mounting plate (Qty 3). Remove the mounting plate. Remove any plastic shavings or other debris left at the entry point into the HVAC module.



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**STEP 11:** Insert the actuator repair sleeve into the HVAC case, circling the temperature door shaft.



**NOTE:** To align the actuator repair sleeve with the temperature door shaft, insert the repair sleeve with the slot pointing toward the front of the vehicle at a 4 o'clock position.



**STEP 12:** Align the air temperature actuator with the actuator repair sleeve and rotate into an engaged position.

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**STEP 13:** Install and tighten the air temperature actuator screws (Qty 2) to the HVAC module.



**STEP 14:** Reinstall the glove compartment by depressing the two rubber stops at the top rear corners of the glove compartment.

**We appreciate your opinions regarding this product!  
Please call our Technical Assistant with any challenges or suggestions  
regarding the installation or operation of this product.**

**1-800-523-2492**

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