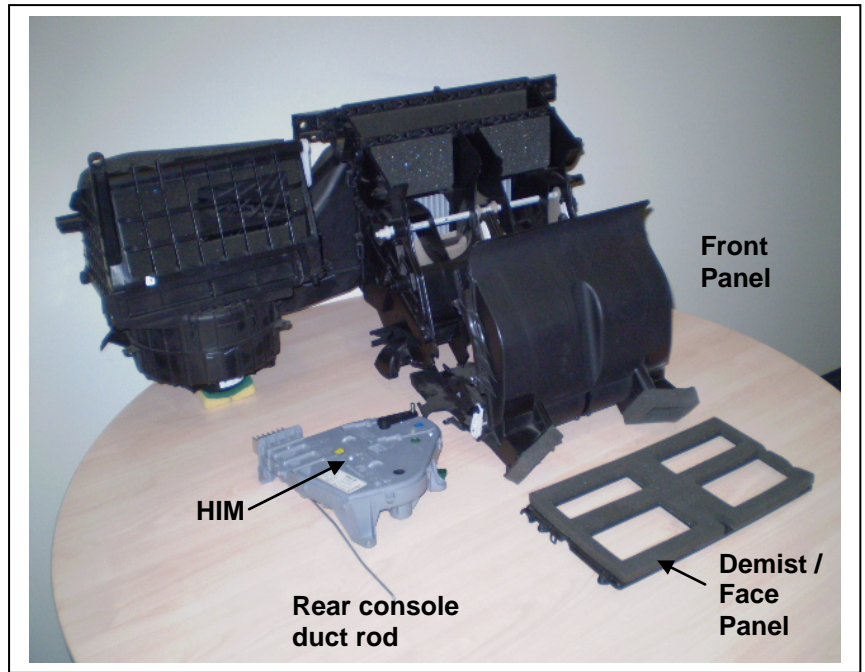


RELEASE DATE: 17/10/2008

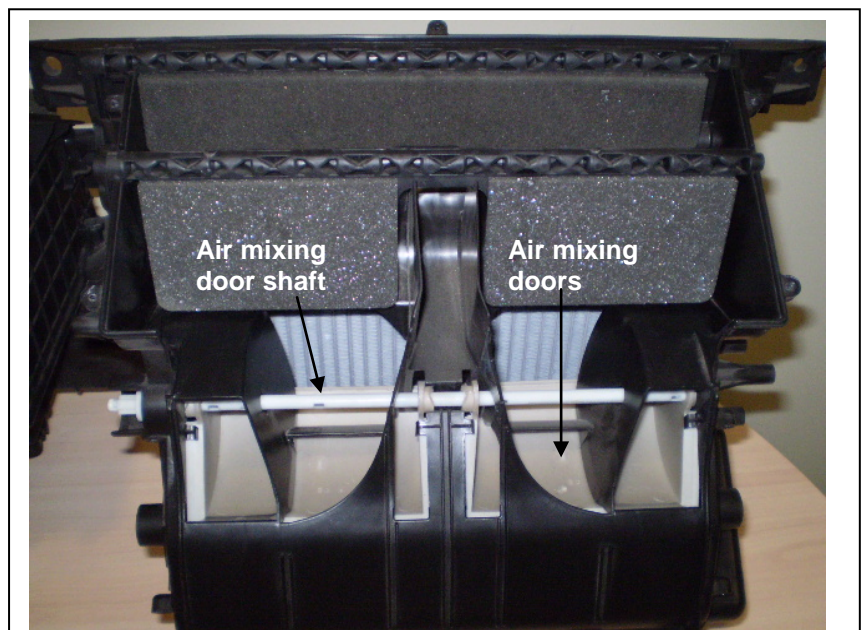
SUBJECT: R&R FORD BA/BF/TERRITORY HVAC AIR MIX SHAFT

**Note:** Recovery of refrigerant or engine coolant is not required for this repair

1. Set the heater and A/C controls to recirculation and floor vent mode.
2. Disconnect the vehicle battery.
3. Remove the dashboard. Refer to appropriate workshop manual.
4. Disconnect rod from HIM lever to the rear console ducts. Disconnect the air mixing coupler from the air mix shaft.
5. Remove the HIM (3 x screws).
6. Remove the HVAC demist / face Panel (6 x screws).
7. Remove the HVAC front panel (6 x screws and 2 x clips).



8. Using your hand move the air mixing doors to the hot position to ensure that they locate into the door stops.



# AIR CONDITIONING TECHNICAL BULLETIN # 16. 10 - 08

## 9. Single Zone.

Using a suitable 6mm diameter pin punch or similar, gently push or tap the air mix shaft out towards the passenger side.



See step 10




## Dual Zone.

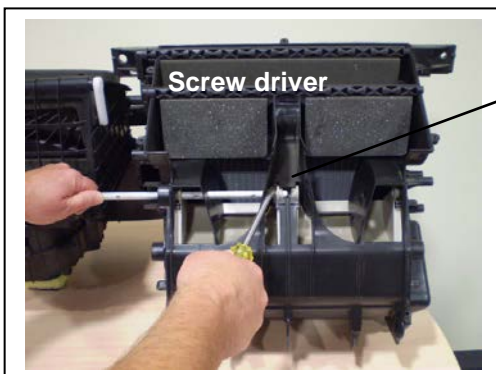
Use a flat blade screw driver to ease out the passenger or drivers side air mix shaft. The drivers side has an electric drive motor that will have to be removed.



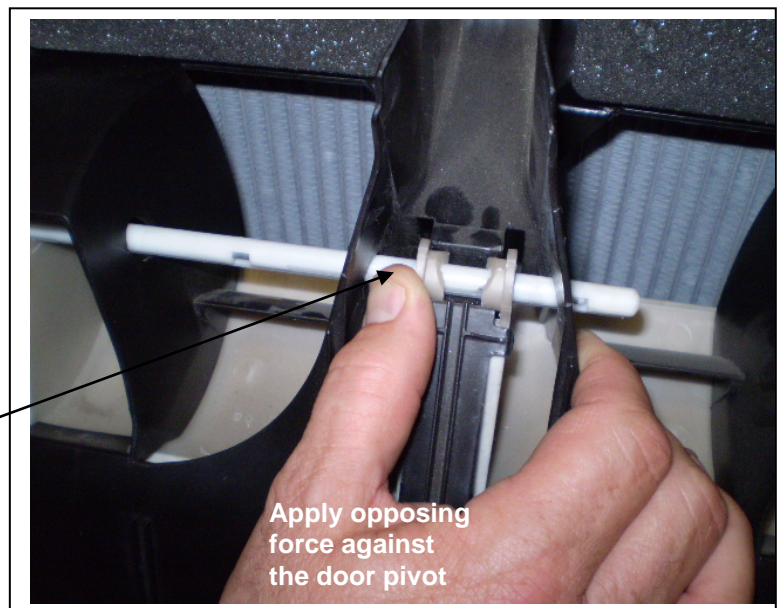
See step 10



10.  As you are pushing or tapping the air mix shaft, apply an opposing pressure using your thumb or a screw driver against the air mix door pivots to ensure that the door pivots do not crack while removing the



OR





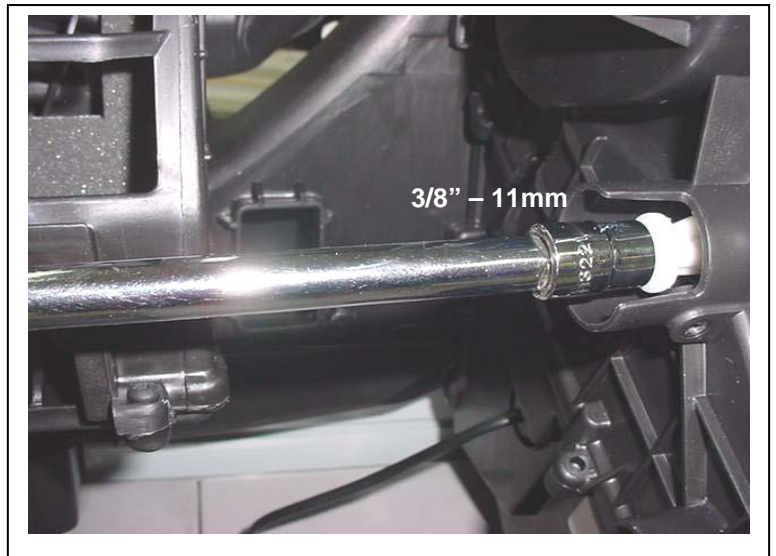
# AIR CONDITIONING TECHNICAL BULLETIN # 16. 10 - 08

11. Inspect the air mix door pivots for cracks. If the pivots are cracked replace the doors. To replace the air mix door further HVAC case housing removal is required.

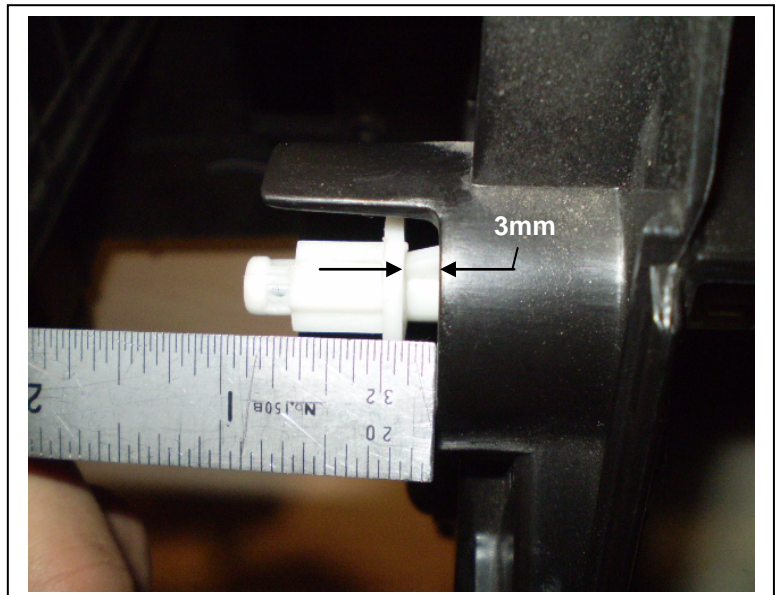
12. Apply a suitable lubricant such as "Vaseline" to the new replacement shaft. Insert the shaft into the air mix door pivot keyed holes and slide the shaft through. Always apply opposing pressure to the door pivots to avoid the door pivot "cracking"



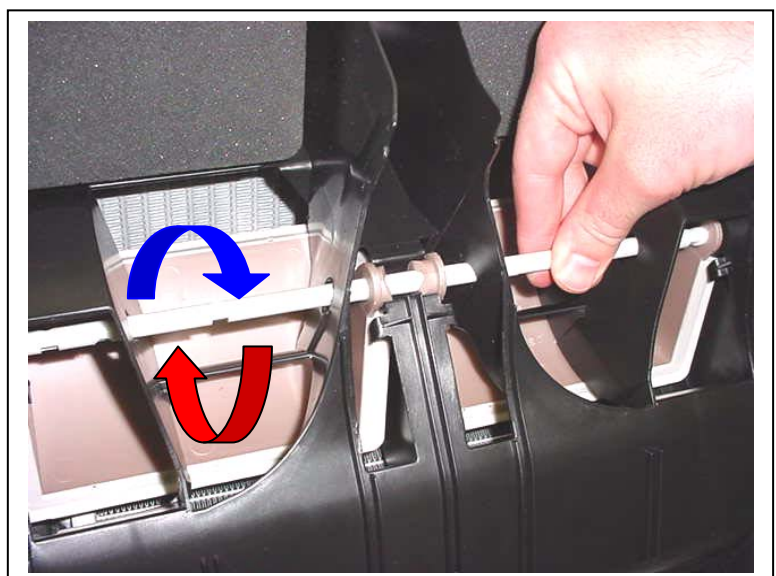
If the shaft is a tight fit, you can use an 3/8" drive 11mm extra long socket on an extension to assist with inserting the shaft.



13. The correct shaft insertion depth is reached when 3 mm can be measured between the underside of the air mix shaft coupler connection and the HVAC HIM housing recess as shown in the picture.

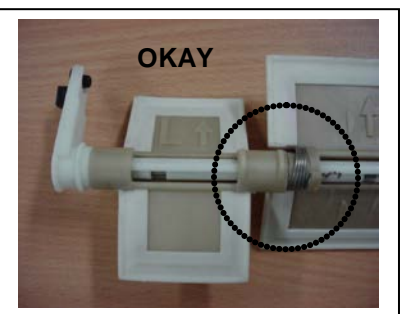
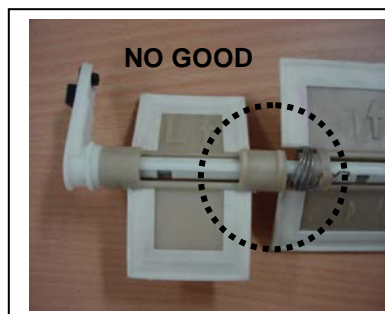
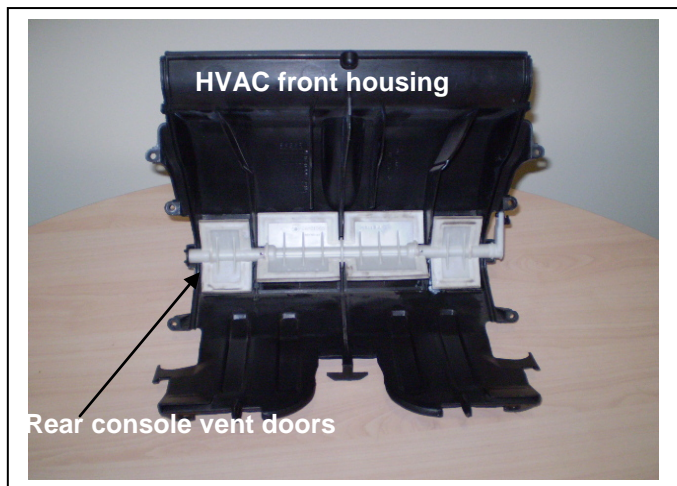


14. Ensure that the air mix doors can move easily from hot to cold and do not bind.



# AIR CONDITIONING TECHNICAL BULLETIN # 16. 10 - 08

15. Assembly the rear console vent doors to the HVAC front housing an then install to the HVAC. Ensure that the door springs are correctly fitted to the shaft mechanism before attaching the HVAC front housing to the HVAC.



16. Insert the new coupler into the HIM drive recess.
17. Fit the HIM to the HVAC. Ensure that all the mode door levers are engaged. Install the rear console duct rod.
18. Reconnect all wiring Connections and reinstall the dashboard ensuring that all electrical terminals are connected and that the wiring harness is not caught or squashed.
19. Check all HVAC and vehicle Electrical functions.

