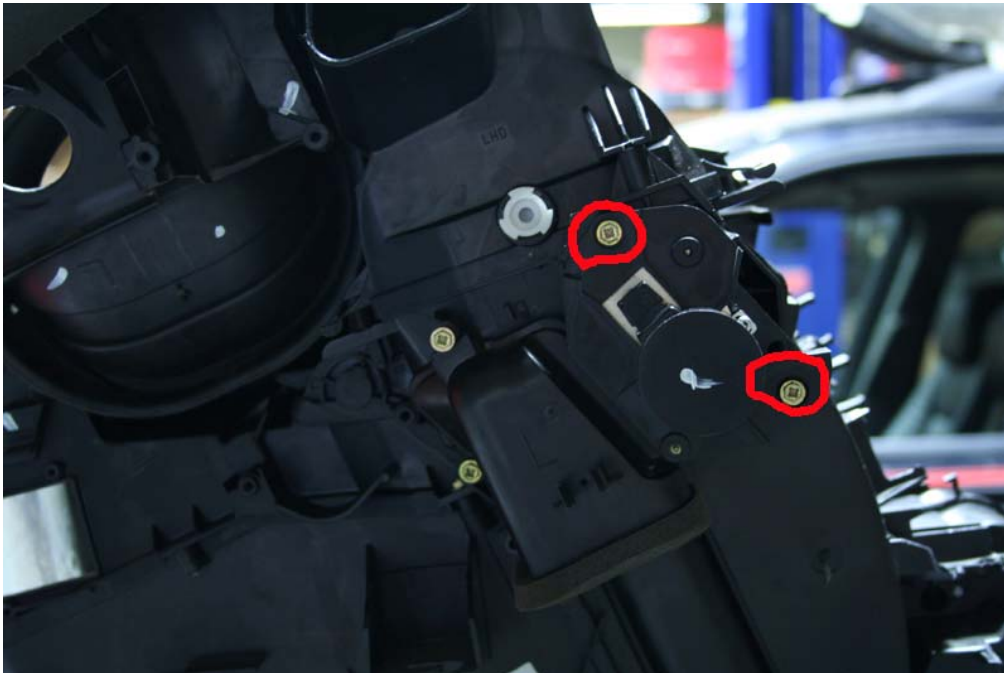


9-5 Blend Door Repair Instructions

BDKIT Version

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- 1) Remove the driver's side lower kick panel to expose the heater box.
- 2) Remove the 2 screws (shown below encircled in red) retain the stepper motor.



- 3) Remove the 3 screws that retain the air outlet elbow



- 4) Note the green blend door shaft end protruding from the heater box



Note, the next series of photos show the blend door shaft assembly from the top view of the heater box assembly with the upper section removed. This is merely to show a better view of the assembly. You should not attempt to remove the upper section of the heater box while it is in the car.

- 5) With the air outlet elbow removed, push the inside of the blend door shaft towards the inside of the heater box in order to push out the broken end of the shaft.





6) You should now only have the inner half of the blend door shaft remaining.

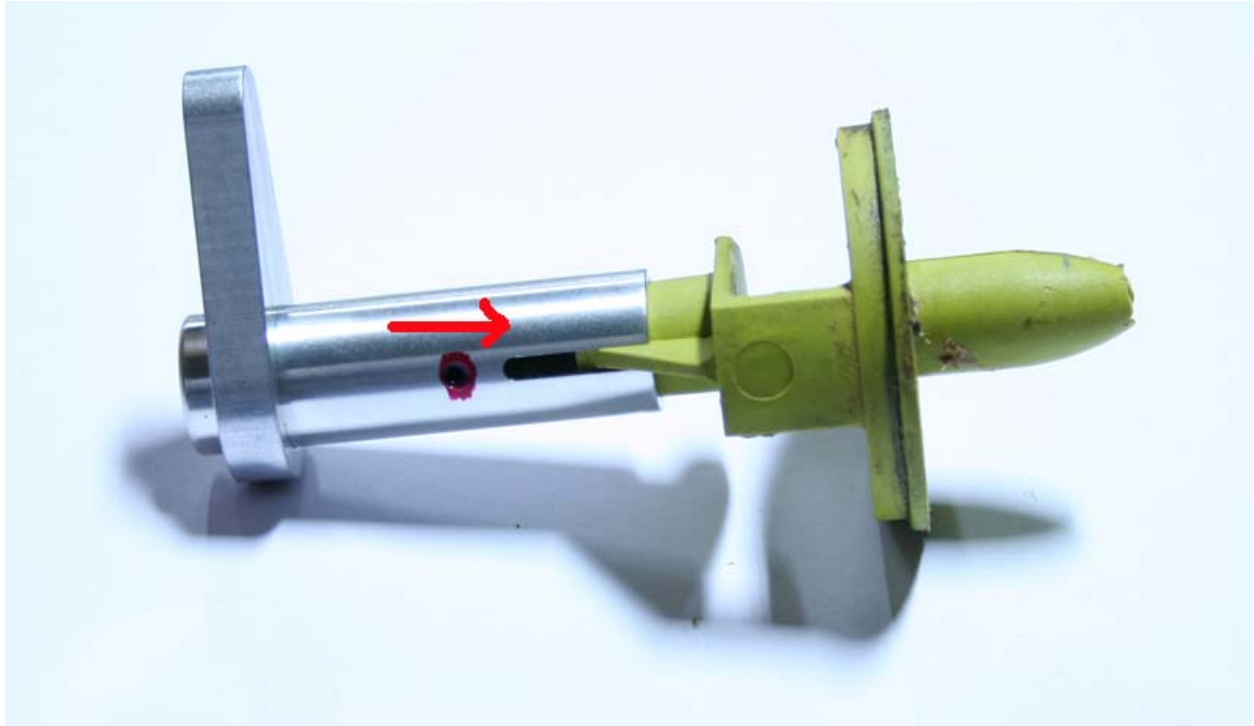


7) Mount the blend door repair arm to the stepper motor.

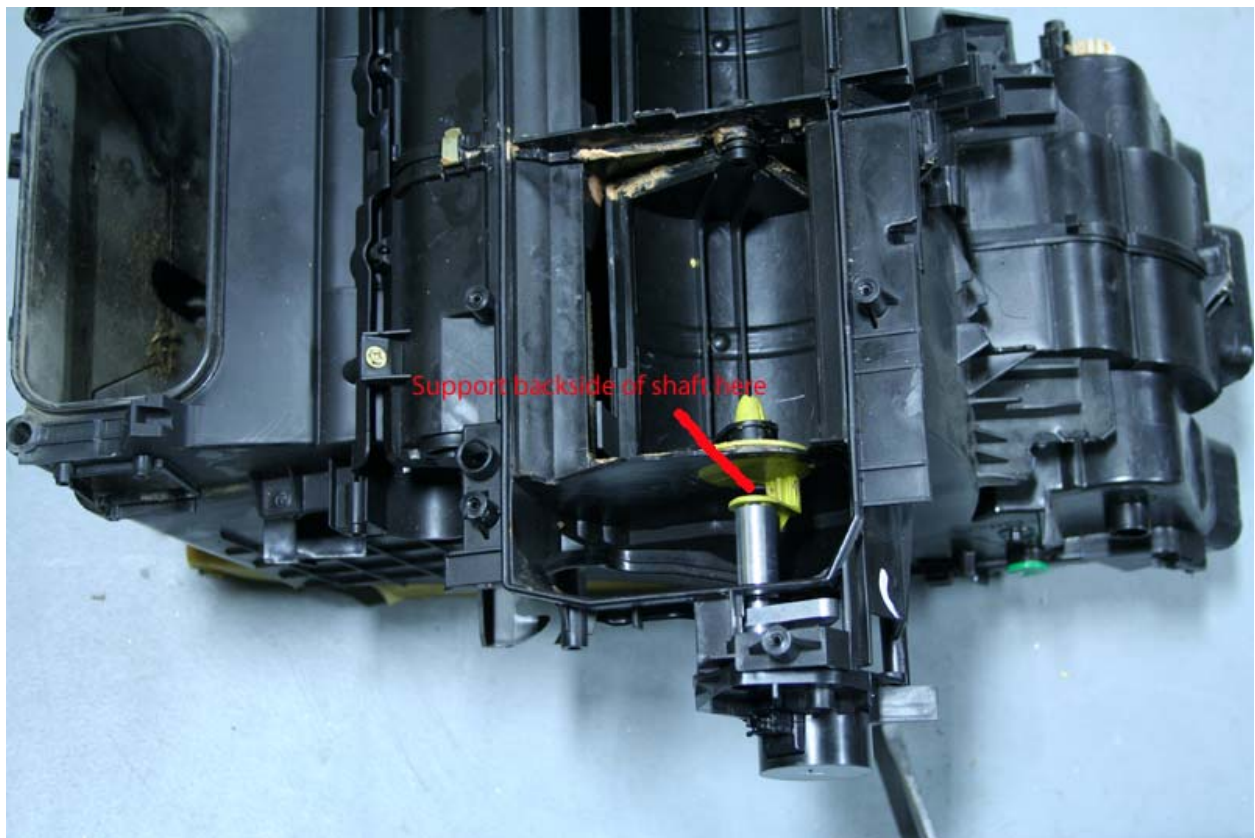
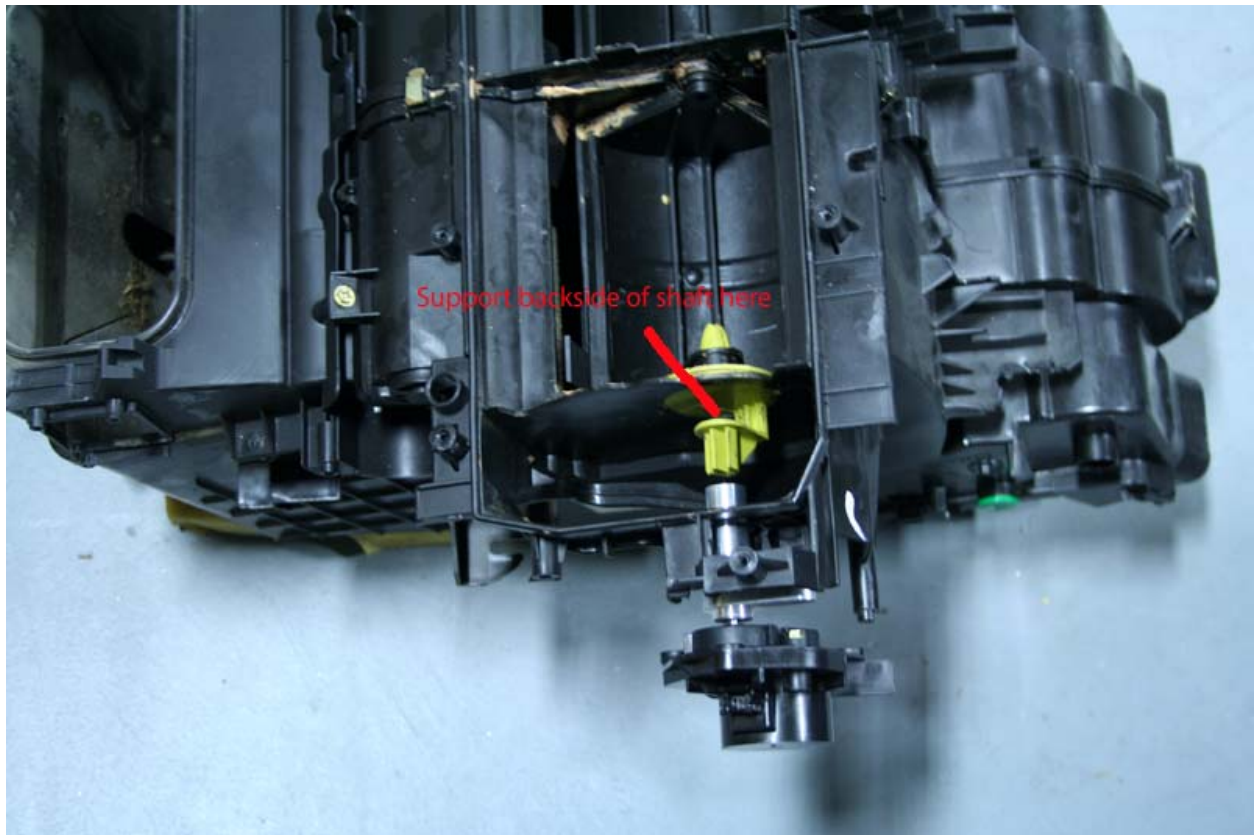
8) Turn the stopper arm so that it covers the gold screw behind it. It takes a fair amount of effort to start turning the motor, but will move freely once started.



This next photo will show the inner blend door shaft outside of the box. This is to accurately show how the blend door arm fits over the inner blend door shaft. **DO NOT REMOVE THE INNER BLEND DOOR ARM FROM THE HEATER BOX!**



- 9) Note that the blend door repair shaft fits very tight over the inner shaft. Reach into the cavity where the inner blend door shaft is (through the air outlet hole) and support the backside of the inner blend door shaft while pushing in the new aluminum blend door repair shaft. Use caution not to push too hard, or without supporting the backside of the inner shaft, as this will break the inner shaft.



- 10) Refasten the stepper motor air outlet elbow, and kick panel.
- 11) You will need to recalibrate the ACC system using the ACC control panel.
- 12) Hold down "AUTO" and "OFF" simultaneously.
- 13) The LH side of the display shows the total number of faults (0-23)
- 14) The RH side shows the fault codes.
- 15) These are fault codes for the LH blend door (driver side of the heater box)
 - a. 6 = faulty stepper motor
 - b. 7= stepper motor or blend door are stuck
 - c. 8= broken blend door shaft
- 16) These are the fault codes for the RH blend door (passenger side of the heater box)
 - a. 9=faulty stepper motor
 - b. 10=stepper motor or blend door is stuck
 - c. 11=broken blend door shaft
- 17) If your repair is successful, codes 6-8 should no longer be present.

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