



## Turbo Dodge L-body Heating and Air conditioning Vacuum Line FAQ (contributed by Jesse Lowe)

**Scope:** The purpose of this document is to outline the inspection and repair procedure for the vacuum controlled Heater / AC box.

### Material:

Material	Qty
1/8" Rubber Vacuum Tubing	As Needed
1/8" Rubber Vacuum Cap	1
Cable Tie	As Needed

### Tools:

Tool
S.A.E. Ruler
Diagonal Cutters
Silicon Spray Lubricant
Portable Work Light

### 1. HVAC Box Vacuum Line Connections.

- 1.1. Identify the vacuum actuator located under the passenger side dash, by the kick panel.
- 1.2. Inspect the rubber connections of the light and dark green vacuum lines to ensure they are not loose or cracked. Figure 1.

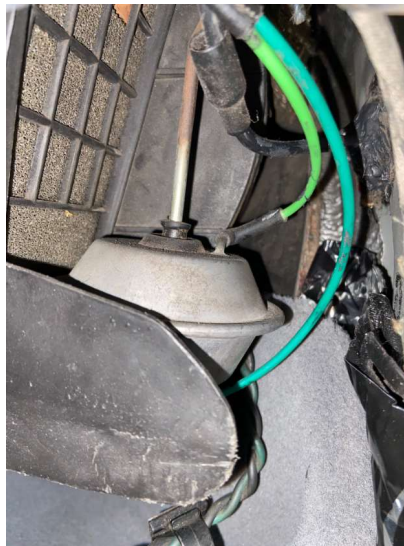


Figure 1: Vacuum Actuator, Passenger Side.

- 1.3. Identify the Vacuum actuator on the driver's side, top of the Heater AC box.

- 1.4. Inspect the rubber vacuum line connectors on the red and brown vacuum lines to ensure they are not loose or cracked.



*Figure 2: Vacuum Actuator, Drivers side, Top.*

- 1.5. Identify the vacuum actuator with the yellow vacuum line located on the driver's side, bottom of the Heater / AC box. Figure 3.
- 1.6. Inspect the rubber vacuum line connector to ensure it is not loose or cracked.



*Figure 3: Drivers Side, Lower Vacuum Actuator.*

- 1.7. In the engine bay, locate the white vacuum line on the heater control valve located next to the brake booster.
- 1.8. Inspect the rubber vacuum line connector to ensure it is not loose fitting or cracked.



Figure 4: Heater Control Valve Vacuum Line.

- 1.9. In the engine bay, locate the black vacuum line connected to the brake booster.
- 1.10. Inspect the connector to ensure it is not loose or cracked.



Figure 5: Brake Booster Vacuum Line Connection.

## 2. Heater / AC Vacuum 7-POS Connector Repair:

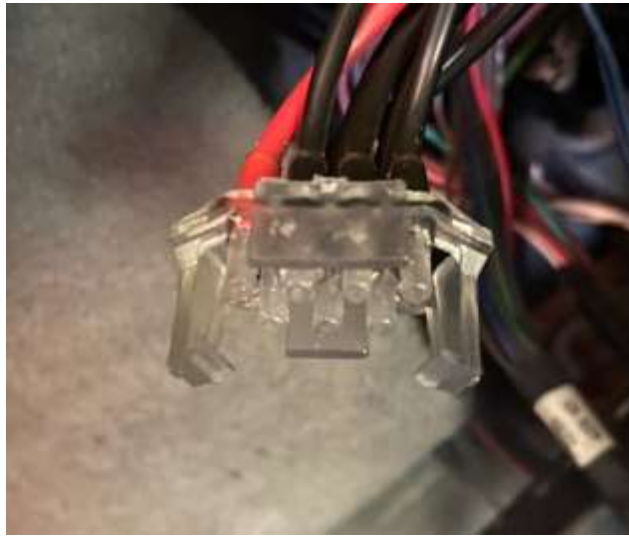
- 2.1. Cut six, 1.25" (+/- 0.125") lengths of 1/8" vacuum line.
- 2.2. Locate one 1/8" vacuum line cap.

**Note: Less than 1" will not provide enough length to ensure a secure connection.**



Figure 6: 1/8" Vacuum line.

- 2.3. Locate the seven position vacuum line connector under the driver's side dash. Figure 7.
- 2.4. Carefully clear all debris remaining from the mating connector. Figure 7.



*Figure 7: Seven Position Vacuum Connector*

- 2.5. Identify the four position row of the connector with the red vacuum line.
- 2.6. Install the 1/8" vacuum line cap over the red vacuum line port.
- 2.7. Install one 1.125" length of 1/8" vacuum line on each of the ports in the same row.
- 2.8. In order going away from the red vacuum line, install the light green, yellow, and dark green vacuum line.

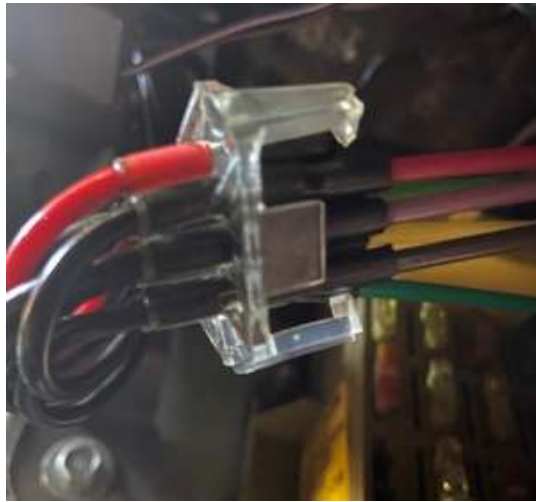
**Note: Continue pushing the vacuum line in the end is touching the connector.**



*Figure 8: Seven Position Vacuum Line Connector, Red Vacuum Line Side.*

- 2.9. Identify the three position row containing three black vacuum lines.
- 2.10. Install one 1.125" length of 1/8" vacuum line on each of the ports in the same row.
- 2.11. Identify the black vacuum line port under the red vacuum line and insert the Heater / AC Box red vacuum line into the 1/8" tubing on the port.
- 2.12. In order going away from the red vacuum line installed in step Identify the black vacuum line port under the red vacuum line and insert the Heater / AC Box red vacuum line into the 1/8" tubing on the port., install the purple and brown vacuum lines into the 1/8" vacuum tubing.

**Note: Continue pushing the vacuum line in until it is touching the connector.**



*Figure 9: Three Position Row.*

2.13. When finished, secure any loose vacuum lines and the connector under the dash.