



# Replacing the Right Actuator?

## Blend Door Vs. Mode Door Vs. Recirculating Door

Actuator doors change position based on selected climate settings. The blend, mode, and recirculating doors each have a specific function and are often not interchangeable.

To accurately identify which actuator door(s) need to be replaced, assess the following:

- Temperature not reaching selected settings? Replace the blend door.



### Blend Door Actuator

Adjusts door position at various degrees to achieve the desired temperature by blending cool air from the evaporator and warm air from the heater core.

- Airflow direction or vent selection not changing? Replace the mode door.



### Mode Door Actuator

Controls which vent(s) air blows through. It has two positions: open or closed.

- Air recirculation not working? Replace the air recirculation door.



### Air Recirculation Door Actuator

Opens or closes to block or allow ambient air into the system. When closed, the system recirculates air inside of the vehicle.

Other factors to consider:

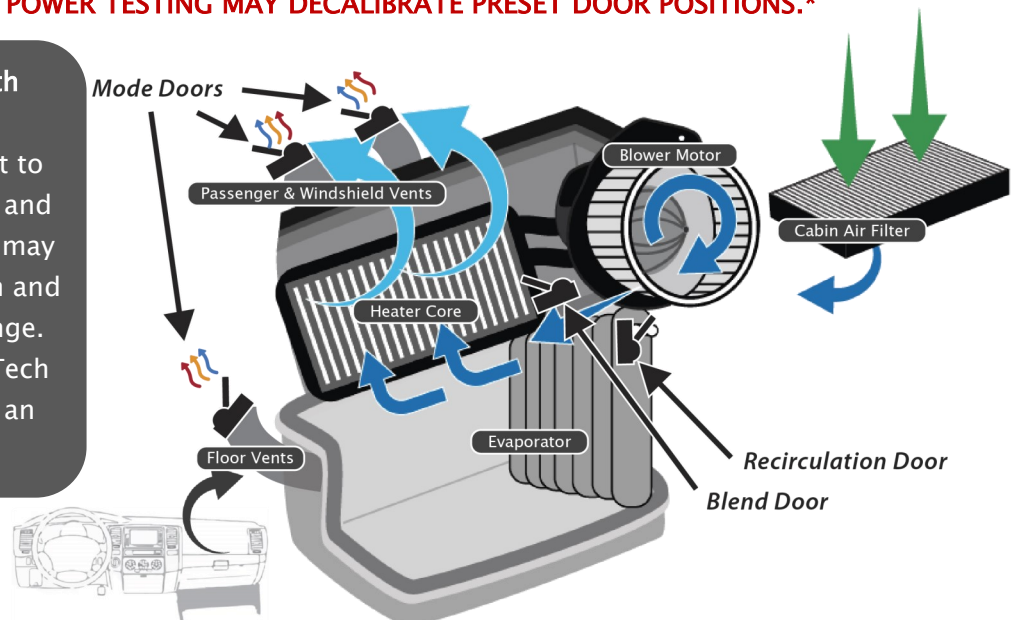
- Lack of airflow could be caused by a clogged air filter or faulty blower motor.
- A faulty heater core or evaporator can affect temperature.

**\*DO NOT TEST ACTUATORS PRIOR TO INSTALLING.**

**POWER TESTING MAY DECALIBRATE PRESET DOOR POSITIONS.\***

#### Vehicles with Rear Air

It is important to note the front and rear actuators may differ in design and not interchange. Refer to gpd Tech Tip #127 for an example.



#166

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