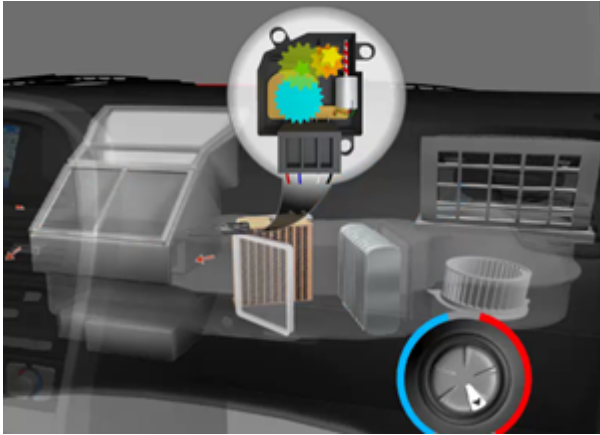
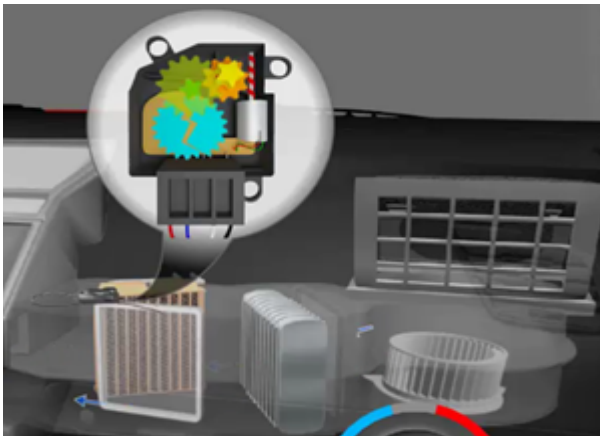


Broken Blend Door Actuator



The heater blend door opens and closes to allow warm air from the engine bay to enter the cabin.



Over time, the physical parts which open the blend door can break, causing the door to stick.

The temperature blend door mixes or blends air entering the passenger compartment to regulate the temperature inside the passenger compartment. The blend door is normally located near the heater and evaporator cores within the dashboard of the vehicle.

The blend door actuator is an electrical motor connected to a series of different gears to multiply torque attached to the top of the blend door. Once the temperature controls are changed, the blend door actuator receives a signal to rotate the blend door to a specific position. Once that position is reached, the blend door actuator stops until the temperature controls are changed again.

A common failure of the blend door is to break at its connection point with the actuator. When this happens, the actuator is no longer able to move the blend door and the temperature stays the same despite any change in the temperature control. Normally, heater blend door actuators can be difficult to replace -- sometimes requiring the dashboard to be removed.

The gears that create the gear reduction are made from plastic and can break. Once the gears break, the actuator is unable to move the blend door and the temperature of the out-going air will not change. A failure of this type often makes a clicking noise that can be heard by the passengers in the vehicle.