



# Temp Products

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||| | | *Tech Tip* | | | | |

## Ford Erratic or Insufficient Temperature

Models affected: 1995-1999 Ford Explorer and 1997-1999 Mountaineer equipped with EATC

Issue: erratic or insufficient temperature control or temperature gradually wanders.

Action: move temperature control knob in both directions while checking actuator for movement

- 1) If there is movement, remove actuator and visually check blend door where the actuator rod inserts into the plenum for cracks. NOTE the instrument panel doesn't have to be removed for this test. If the plenum is cracked, replace the plenum
- 2) If there is no movement, refer to appropriate service manual for system "Too Hot" or "Too Cold"

Customer Complaint:

"System Doesn't Maintain Set Temperature" or "Setpoint Is Reached But Cools Gradually"

- 1) Inspect the in-car temperature sensor aspirator tube for proper connections at both ends. Also check to make sure the in-car temperature sensor housing is attached to and firmly seated on the dash panel. The sensor is mounted on 2 pins. It is possible for the sensor to be attached to the pins but not seated.
- 2) Check to see if the vehicle operator smokes. If so, take a Q-tip and a small amount of isopropyl alcohol and rub gentle onto the sensor to remove any contaminants. Also check resistance value, it should be: 50-68F 58,000 to 37,000 ohms; 68-86F 37,000 to 24,000 ohms; 86-104F 24,000 to 16,000 ohms.

### EATC ASPIRATION TEST

This next test will determine if the in-car temperature sensor is receiving enough airflow. A lack of air flow can result in an incorrect sensor reading and cause the automatic temperature control to act erratically. you could end up with symptoms like: "EATC Blowing Too Hot or Too Cold".

- 1) cut a piece of tissue paper 1inch x 1inch square
- 2) turn the key on, turn fan speed to HIGH BLOWER, select panel or vent mode
- 3) place the piece of tissue paper over the aspirator grille opening; the tissue paper should stick to the grille
- 4) Turn blower speed down to low speed. the tissue should stick to the grille
- 5) Now turn the fan off the tissue paper should fall off
- 6) If the tissue paper should not hold in steps 3&4 check for aspirator tube being kinked or not properly installed