

## CODE 36

## MAF SENSOR BURN-OFF FUNCTION FAULT 5.7L "Y" SERIES FUEL INJECTION (PORT)

The Mass Air Flow (MAF) sensor measures the amount of air which passes through it. The ECM uses this information to determine the operating condition of the engine, to control fuel delivery. For a detailed description of the MAF sensor operation see Section C.

Due to contaminates in the atmosphere a residue may build up on the MAF Sensor sensing wire. To maintain an accurate reading from the sensor, a "burn-off" cycle will occur when the ignition is turned off after the engine had been running a specified amount of time and engine warmed up. The burn-off function is enabled when the ECM grounds CKT 900 which energizes the MAF Sensor burn-off relay. With the MAF Sensor burn-off relay energized, voltage will be supplied to the MAF Sensor terminal D. Voltage will also be supplied through the normally closed set of contacts in the MAF Power relay which will supply 12 volts to terminal E of the MAF Sensor.

- 1. This test will determine if the burn-off function is operative or if the Code was set due to an intermittent condition.
- 2. Check for continuous 12 volt supply to burnoff relay.
- 3. Grounding CKT 900 should energize the relay and close the contacts.
- 4. With the burn-off relay energized there should be 12 volts supplied to the MAF Sensor on terminal D & E (CKT's 993 and 994).

