

DTC 54

FUEL PUMP CIRCUIT (LOW VOLTAGE) 3.4L (VIN S) "F" CARLINE (SFI)

Circuit Description:

The status of the fuel pump CKT 120 is monitored by the PCM at terminal "A6" and is used to compensate fuel delivery based on system voltage. This signal is also used to store a diagnostic trouble code if the fuel pump relay is defective or fuel pump voltage is lost while the engine is running. There should be about 12 volts on CKT 120 for 2 seconds after the ignition is turned "ON," or any time reference pulses are being received by the PCM.

This DTC is designed to detect a faulty relay causing extended crank time and the DTC will help the diagnosis of an engine that "Cranks But Will Not Run."

DTC 54 Will Set When: Voltage at terminal "A6" is less than 7 volts for .3 second since the last reference pulse was received.

Action Taken (PCM will default to): If a fault is detected during start-up, the MIL will become illuminated until the ignition is cycled "OFF." If the voltage is detected below 7 volts with the engine running, the light will remain "ON" while the condition exists.

DTC Will Clear When: A current DTC 54 will clear when voltage at the fuel pump monitor is sensed within the calibrated voltage threshold. A history DTC 54 will clear after 50 consecutive ignition key cycles without a current DTC 54 being stored.

