

CODE 54

FUEL PUMP CIRCUIT (LOW VOLTAGE)

5.7L "Y" SERIES FUEL INJECTION (PORT)

The status of the fuel pump circuit 120 is monitored by the ECM at terminal B2 and is used to compensate fuel delivery based on system voltage. This signal is also used to store a 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 or any time references pulses are being received by the ECM.

Code 54 will set if the voltage at terminal B-2 is less than 2 volts for 1.5 seconds since the last reference pulse was received. This will help in detecting a faulty relay, causing extended crank time and the code will help the diagnosis of an engine that "CRANKS BUT WILL NOT RUN".

If a fault is detected during start-up the "SERVICE ENGINE SOON" light will stay on until the ignition is cycled off. However, if the voltage is detected below 2 volts with the engine running the light will only remain on while the condition exists.

