



Fuel Supply System

P0171 The HDS or the scan tool indicates Diagnostic Trouble Code (DTC) P0171: The fuel system is too lean [Right Bank (Bank 1)].

P0172 The HDS or the scan tool indicates Diagnostic Trouble Code (DTC) P0172: The fuel system is too rich [Right Bank (Bank 1)].

P0174 The HDS or the scan tool indicates Diagnostic Trouble Code (DTC) P0174: The fuel system is too lean [Left Bank (Bank 2)].

P0175 The HDS or the scan tool indicates Diagnostic Trouble Code (DTC) P0175: The fuel system is too rich [Left Bank (Bank 2)].

Description

By monitoring the Long Term Fuel Trim, long term malfunctions in the fuel system will be detected.

If a malfunction has been detected during two consecutive trips, the MIL will come on and DTC P0171, P0172, P0174 and/or P0175 will be stored.

NOTE: If some of the DTCs listed below are stored at the same time as DTC P0171, P0172, P0174 and/or P0175, troubleshoot those DTCs first, then troubleshoot DTC P0171, P0172, P0174 and/or P0175.

P0107, P0108, P1128, P1129: MAP Sensor

P0135: Right Primary HO2S Heater (Bank 1, Sensor 1)

P0137, P0138: Secondary HO2S (Sensor 2)

P0141: Secondary HO2S Heater (Sensor 2)

P0155: Left Primary HO2S Heater (Bank 2, Sensor 1)

P0401: EGR Flow Insufficient

P0404: EGR Valve Lift Insufficient

P0406: EGR Valve Position Sensor High Voltage

Possible Cause

DTC P0171, P0174
System too lean

- Fuel Pump insufficient flow/pressure
- Fuel Feed Line clogged, leaking
- Fuel Pressure Regulator stuck open
- Fuel Filter clogged
- Injector clogged, air inclusion
- Gasoline doesn't meet Owner's Manual spec.
- Primary HO2S (Sensor 1) deteriorated
- EGR System insufficient flow
- Exhaust leak

DTC P0172, P0175
System too rich

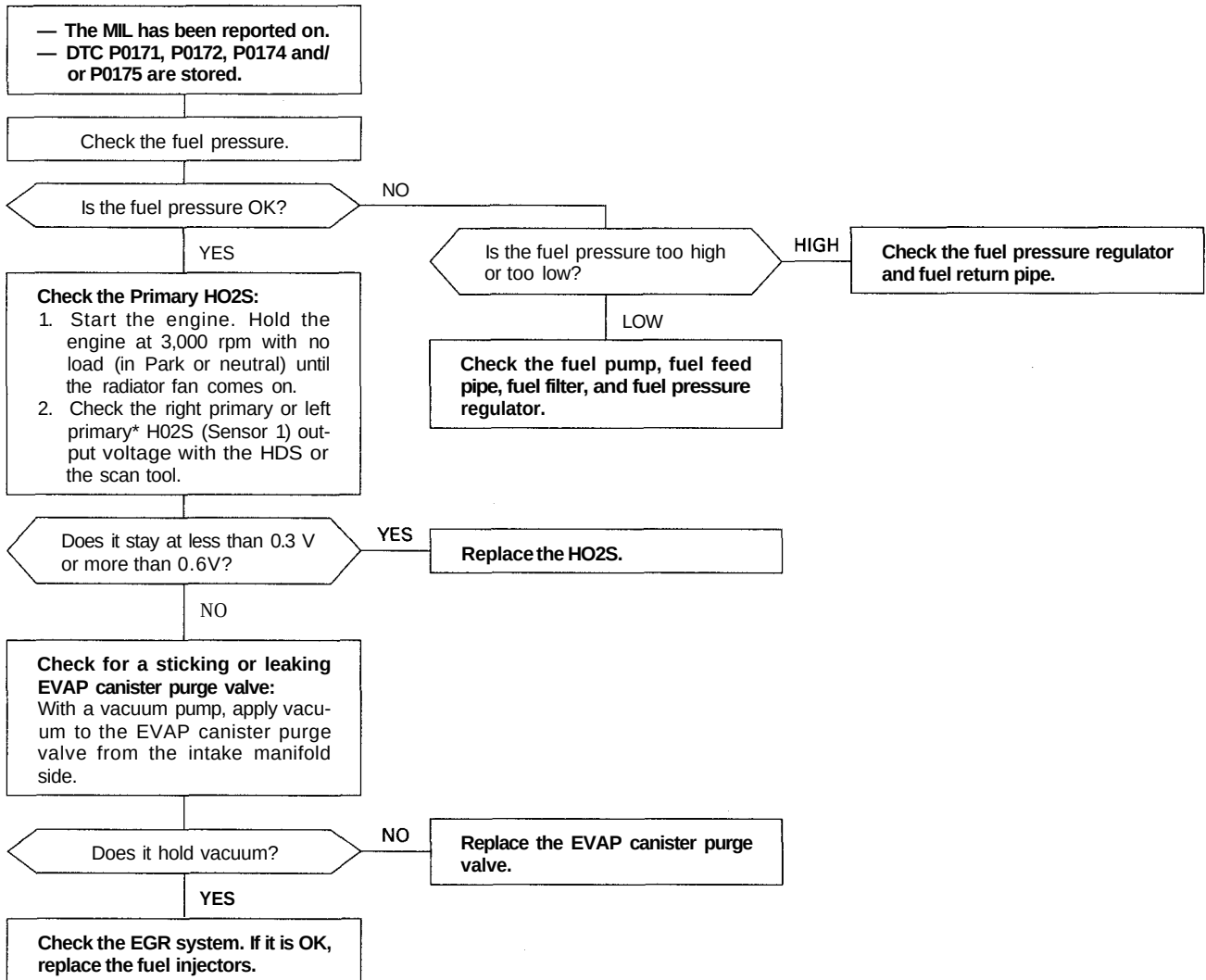
- Fuel Pressure Regulator clogged, stuck closed
- Fuel Return Pipe clogged
- Injector leaking
- Gasoline doesn't meet Owner's Manual spec.
- Primary HO2S (Sensor 1) deteriorated
- EGR System malfunction (too much flow)
- EVAP Canister Purge Valve leaking, stuck opened

(cont'd)

PGM-FI System

Fuel Supply System (cont'd)

Troubleshooting Flowchart



*: P0174 or P0175