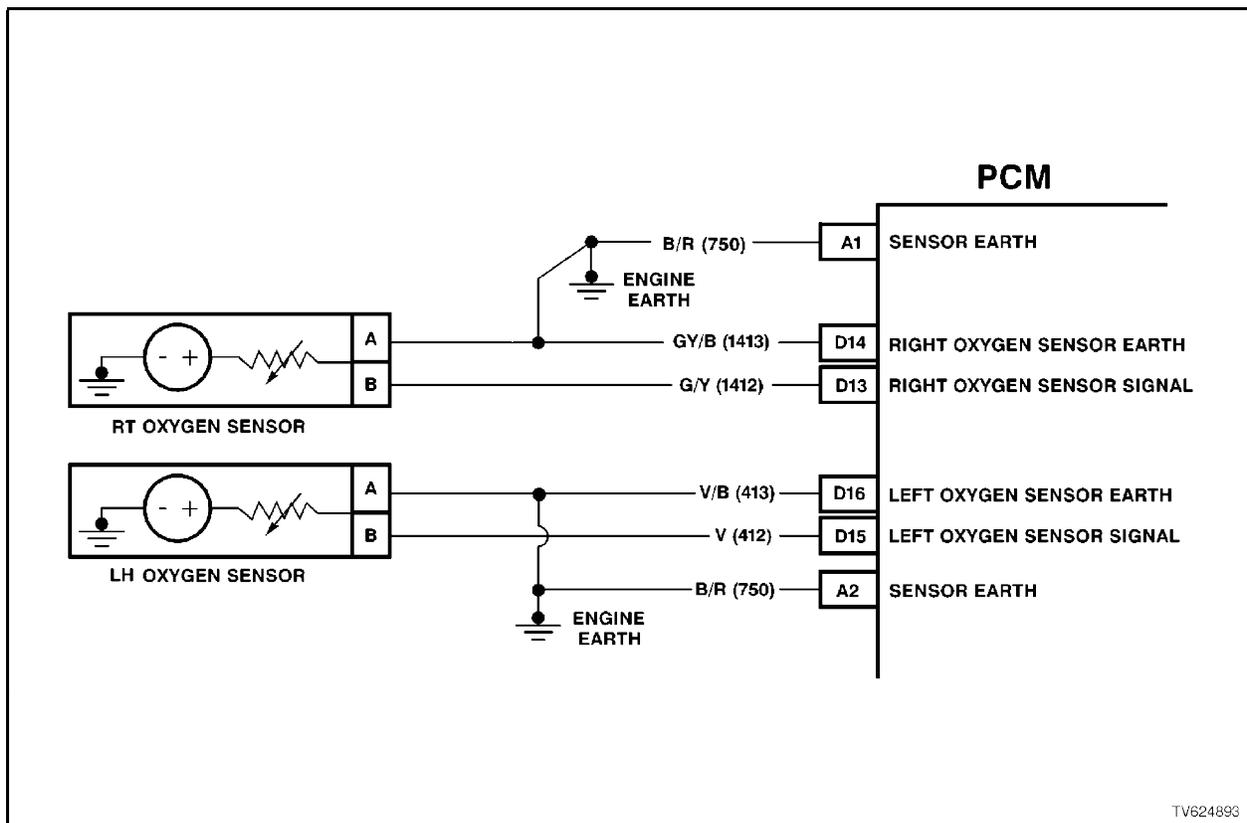


DTC 76 V6 PCM - SHORT TERM FUEL TRIM (STFT) DELTA HIGH



CIRCUIT DESCRIPTION:

The PCM controls left to right cylinder bank fuel delivery separately based on their respective oxygen sensor signals. If the PCM detects too great a difference between the left to right cylinder bank Short Term (ST) Fuel Trim values, it will set DTC 76.

DTC 76 will set when the left bank Short Term Fuel Trim value differs from the right bank Short Term Fuel Trim by more than 63% for 32 seconds while in closed loop.

With a current DTC 76 set, the PCM will not illuminate the MIL (Check Powertrain Lamp). DTC 76 will clear when the fault no longer exists and the ignition switch is cycled "OFF" and "ON".

DTC 76 WILL SET IF:

- Engine is idling.
- Left to Right Short Term Fuel Trim values differs by more than 63% for 32 seconds.

TEST DESCRIPTION:

Number(s) below refer to step number(s) on the diagnostic table.

2. Check and repair other DTC(s) first
3. Checking for other mechanical problems causing DTC to set.
4. The bank that is the farthest from the neutral value of 0% is the bank which is out of fuel control.

DIAGNOSTIC AIDS:

- Lean or faulty injector(s) on one side of the engine.
- Cracked or fouled spark plug(s).
- Exhaust or inlet manifold leak.
- Make sure oxygen sensor leads are not swapped.

STEP	ACTION	VALUE	YES	NO
1.	Was the "On-Board Diagnostic" (OBD) System Check performed?		Go to Step 2	Go to OBD System Check in this Section
2.	Are any other PCM DTC(s) set?		Diagnose other DTC(s) first	Go to Step 3
3.	Is there a Driveability complaint associated with this DTC such as an Engine Miss, Lack of Power, or Poor Fuel Economy?		Go to Step 7	Go to Step 4
4.	<p>1. Start Engine and allow to warm up (Coolant Temperature above 85 degrees C).</p> <p>2. Install Tech 2 scan tool and note left and right bank Short Term Fuel Trim values.</p> <p>Is the left bank Short Term Fuel Trim values further from 0% then the right bank?</p>		Go to Step 5	Go to Step 6
5.	<p>Perform Oxygen Sensor (O2S) Diagnosis, Chart A-6.3 in this Section.</p> <p>Is action complete?</p>		Verify Repair	
6.	<p>1. Start Engine and allow to warm up (Coolant Temperature above 85 degrees C).</p> <p>2. Install Tech 2 scan tool and note left and right bank Short Term Fuel Trim values.</p> <p>Is the right bank Short Term Fuel Trim values further from 0% then the left bank?</p>		Go to Step 5	DTC 76 is intermittent. Refer "Diagnostic Aids" above.
7.	<p>Perform the following tests in the order given until the problem is corrected :</p> <ul style="list-style-type: none"> • Fuel system check, (refer Chart A- 4.3 in this Section). • Oscilloscope Engine, note and repair any Ignition System problem found. • Compression test each cylinder. <p>Is action complete ?</p>		Verify Repair	