

A4 MONITOR THE FTP WHILE FILLING THE FUEL TANK WITH THE EVAP SYSTEM DISCONNECTED

Disconnect the fuel tank-to-EVAP canister quick connect coupling at the EVAP canister.



NOTE: During normal fuel fill the Fuel Tank Pressure (FTP) Sensor value starts at 2.6 volts and will increase .3 to .7 of a volt from its starting point.

Monitor the FTP reference value while filling the fuel tank. Refer to ENGINE CONTROLS - INTRODUCTION (EXCEPT DIESEL & HYBRID) .

Is FTP within specification?

Yes: INSPECT the EVAP system for blockage or restrictions. REPAIR the blockage or restriction. If the blockage or restriction cannot be repaired, INSTALL new EVAP system components.

No: GO to A5

A5 CHECK THE FUEL TANK FILLER PIPE ASSEMBLY FOR BLOCKAGE OR RESTRICTION

Remove the fuel tank filler pipe assembly. REFER to: FUEL TANK FILLER PIPE .

Inspect the fuel tank filler pipe and fuel tank filler pipe vent tube (if equipped) for a blockage or restriction.

Is the fuel tank filler pipe or fuel tank filler pipe vent tube (if equipped) blocked or restricted?

Yes: If possible, REPAIR the blockage or restriction. If the blockage or restriction cannot be repaired, INSTALL a new fuel tank filler pipe or fuel tank filler pipe vent tube.

No: GO to A6

A6 CHECK THE FUEL TANK INLET CHECK VALVE

Inspect the fuel tank inlet check valve for restriction or sticking.

Is the fuel tank inlet check valve restricted or sticking?

Yes: If possible, REPAIR the restriction. If the restriction cannot be repaired, INSTALL a new fuel tank. REFER to: FUEL TANK .

No: INSTALL a new fuel tank.

GENERAL PROCEDURES > FUEL SYSTEM PRESSURE CHECK

Special Tool(s) / General Equipment



310-D009 (D95L-7211-A)
Fuel Pressure Test Kit

Check



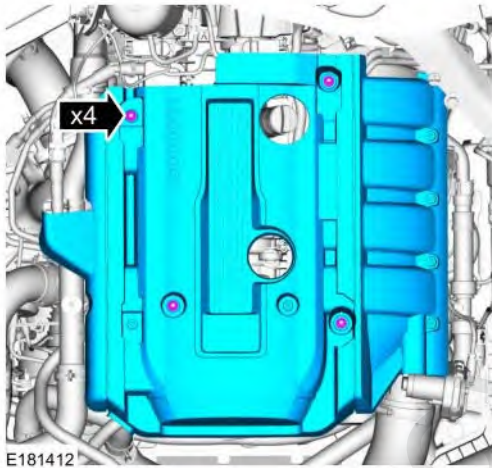
NOTE: This Fuel System Pressure Check is for the low pressure side of the system.

1.

Remove the nuts and the engine appearance cover.

Torque

: 80 lb.in (9 Nm)



2.

Release the fuel system pressure. Refer to: Fuel System Pressure Release .

3.

Disconnect the battery ground cable. Refer to: Battery Disconnect and Connect .

4.

Disconnect the fuel jumper tube-to-high pressure pump quick release coupling. Refer to: Quick Release Coupling .

5.

Install the Fuel Pressure Test Kit between the fuel jumper tube and the high pressure fuel pump.

Use Special Service Tool: 310-D009 (D95L-7211-A) Fuel Pressure Test Kit.