



Technical Bulletin



Manufacturer: Mazda

Service Plus Group: 07-15 -0408

Subject: Curing Rough Idle During or Immediately After a Cold Start

Model: 2000-2002 Mazda 626 Models with the FS-4 cylinder engine

Some 2000-2002 Mazda 626 Models with the FS-4 cylinder engine may experience a rough idle, hesitation, stumble and/or misfire during or immediately after a cold start. ADTC P0303 may also be stored in memory. In extreme cases, the engine may stop running and multiple misfire codes, like P0300-P0304, may be stored in memory.

Automotive fuel with high alcohol content may damage the fuel pressure regulator diaphragm. The damage to the diaphragm may allow fuel to enter the vacuum supply line for the fuel pressure regulator. The vacuum supply line uses the No.3 intake runner as the vacuum source. The unmeasured fuel entering the No. 3 cylinder on cold starts may cause a rich mixture misfire.

The diaphragm material has been modified, and a new fuel pressure regulator has been established as a service part (P/N FSY1-12-280). Customers with this concern should have their vehicle repaired using the following procedure.

Repair Procedure:

1. Verify the concern by inspecting the fuel pressure regulator vacuum supply hose for evidence of fuel entering vacuum line.
 - If no evidence of fuel or fuel smell is found, refer to the proper service publication for further diagnostics.
 - If evidence of fuel or fuel smell is found, proceed to next step.
2. Replace the fuel pressure regulator with the new service part.
3. Verify the repair by allowing the vehicle to fully warm up, then allow at least a six-hour cool down (overnight, if possible) before restarting the engine.