



STAR ONLINE PUBLICATION



Case Number: S2309000012

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Symptom/Vehicle Issue: Mil-On/Check Engine Lamp-On with DTC P06DD set in the powertrain control module (PCM).

Customer Complaint/Technician Observation: The customer's complaint may include the Mil-On/Check Engine Lamp-On. Upon further investigation, the DTC P06DD-ENGINE OIL PRESSURE CONTROL CIRCUIT STUCK OFF may be set in the PCM.

NOTE: This SOL has been published to *temporarily* supplement the P06DD diagnostic procedure, not to replace it. Please use the information below **ALONG WITH** the current diagnostic process for P06DD to ensure proper diagnostic application. Read the current diagnostic procedure and this SOL through completely before beginning your diagnosis of the vehicle to be sure all steps are understood.

When the diagnostic process for P06DD has been revised in Service Library, this SOL will be removed from publication.

Discussion: If P06DD is found set in the PCM, please begin with the published diagnostic procedure. If the procedure leads to step 4 CHECK THE ENGINE OIL/ENGINE MECHANICAL CONDITION, follow though with the first 2 steps of the procedure:

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found



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4. CHECK THE ENGINE OIL/ENGINE MECHANICAL CONDITION

NOTE: Verify that the engine oil is at the proper level and that an OEM specified oil filter is being used. Review the customers oil change history to make sure that the oil is being changed at the correct intervals and that the proper oil viscosity is being used.

1. Turn the ignition off.
2. Check for the following but not limited to:
 - LOW ENGINE OIL LEVEL
 - CONTAMINATED, DIRTY, AERATED OR DETERIORATED ENGINE OIL
 - INCORRECT ENGINE OIL VISCOSITY
 - INCORRECT ENGINE OIL FILTER (DOES NOT MEET OEM SPECIFICATIONS)

NOTE: Make sure to document the condition of the engine oil and include this information in any requests for diagnostic assistance.

If the diagnostics direct to move forward from this point, perform the steps below to continue with the process:

- a) Start the engine, leave the vehicle in Park.
- b) Raise the engine speed to 3000 RPM for 5 seconds, then allow the engine to return to idle.
- c) Repeat step b) 5 times.
- d) Let the engine idle for 2 FULL minutes.
- e) Turn the engine off.
- f) Repeat steps a) through e) 3 times.
- g) Perform the POWERTRAIN VERIFICATION TEST. (Refer to 28 DTC Based Diagnostics/MODULE, Powertrain Control (PCM) Standard Procedure).

Are there any DTCs or driveability concerns present?

If Yes: Go to step 5 in the diagnostic procedure in Service Library.

If No: Repair is complete.

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