

MALFUNCTION INDICATOR LAMP (MIL) ON WITH MISFIRE DTC'S—SPARK KNOCK—PISTON SCUFFING

TSB 04-22-1

FORD:

2004 F-150
2005 F-Super Duty

ISSUE

Some 2004 F-150 vehicles equipped with a 5.4L 3-valve engine, and some 2005 F-Super Duty vehicles built from 7/19/2004 to 9/15/2004 with a 5.4L 3-valve engine, may exhibit the malfunction indicator lamp (MIL) with misfire diagnostic trouble codes (DTC's), spark knock, and/or piston scuffing.

ACTION

Refer to the following Service Procedure.

SERVICE PROCEDURE

1. Use a Borescope in all cylinders to determine if any engine damage has occurred (scuffed cylinder bore walls). If engine damage is noted, replace the Long or Short block assembly under the provisions of the latest edition of the Powertrain Reference Guide.
2. Reprogram the powertrain control module (PCM) to the latest calibration using WDS release B33.9 or higher. Calibration files may also be obtained at www.motorcraft.com.

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage

OPERATION	DESCRIPTION	TIME
042201A	Check For Diagnostic Trouble Codes And Reprogram Powertrain Control Module (Engine Diagnosis And/Or Repair Should Be Claimed Separately)	0.4 Hr.

DEALER CODING

BASIC PART NO.	CONDITION CODE
RECALEM	42

NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford, Lincoln, or Mercury dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.