

MIL ON WITH MULTIPLE COIL PRIMARY CIRCUIT DTCS P0351 THROUGH P0356—3.0L ENGINE

TSB 05-11-1

FORD:
2005 Escape

MERCURY:
2005 Mariner

ISSUE

Some 2005 Escape/Mariner vehicles equipped with a 3.0L engine, may exhibit a malfunction indicator lamp (MIL) on with two or more diagnostic trouble codes (DTCs) for coil on plug (COP) primary circuit faults (P0351 through P0356). This may be due to the spark plugs causing RF interference with the PCM, resulting in damage to the PCM and COPs.

ACTION

It may be necessary to replace the PCM, COPs and install new level spark plugs. Refer to the following Service Procedure.

SERVICE PROCEDURE

1. Perform KOER test.
 - a. If there is only one (1) coil circuit primary DTC (P035x) follow procedure "A".
 - b. If there are two (2) or more coil circuit primary DTCs (P035x-P035x) follow procedure "B".

PROCEDURE "A"

1. Remove any spark plug and inspect for a 2-digit date code (Figure 1). If the date code is not present, replace all six (6) spark plugs with part number AGSF-32W-M1F4.
2. Continue with normal PC/ED diagnostics for the DTC.

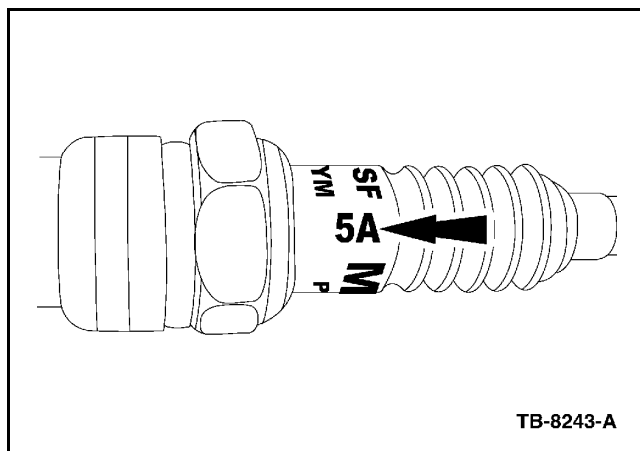


Figure 1 - Article 05-11-1

PROCEDURE "B"

1. Remove any spark plug and inspect for a 2-digit date code (Figure 1). If the date code is not present, replace all six (6) spark plugs with part number AGSF-32W-M1F4.
2. Replace all six (6) COPs.
3. Replace PCM.
4. Reprogram the passive antitheft system (PATS) keys.

PART NUMBER	PART NAME
AGSF-32W-M1F4	Spark Plug
1L8Z-12029-AB	Ignition Coil
5L8Z-12A650-AAD	PCM
5L8Z-12A650-LH	PCM

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

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OPERATION	DESCRIPTION	TIME	DEALER CODING	CONDITION CODE
051101A	2005 Escape/Mariner 3.0L: Check For Diagnostic Trouble Codes, Inspect Spark Plug For Date Code - Failed, Replace Six Spark Plugs (Do Not Use With 12650D, 12650D3, 12650D6, 12650D63, 12650D64, 12405A, 15607B, 15607C)	2.1 Hrs.	BASIC PART NO. LABOR OPERATION "A" USE (12405) LABOR OPERATION "B" USE (12A650)	42 42
051101B	2005 Escape/Mariner 3.0L: Check For Diagnostic Trouble Codes, Inspect Spark Plug For Date Code - Failed, Replace Six Spark Plugs, Ignition Coils, Powertrain Control Module, Program Ignition Keys (Do Not Use With 12650D, 12650D3, 12650D6, 12650D63, 12650D64, 12405A 15607B, 15607C)	2.2 Hrs.		