

3.5L / 3.7L ENGINE—VCT CODES P0011, P0012, P0016, P0018, P0021, P0022—RUNS ROUGH OR MISSES—VEHICLES BUILT ON OR BEFORE 12/15/2008

TSB 11-6-1

FORD:

2008-2009 Taurus X, Taurus
2007-2009 Edge
2009 Flex

LINCOLN:

2007-2009 MKZ

2009 MKS
2007-2009 MKX

MERCURY:
2008-2009 Sable

This article supersedes TSB 10-16-1 to update Service Labor Time Standards.

ISSUE

Some 2007-2009 Edge, MKX, MKZ, 2008-2009 Taurus, Taurus X, Sable, 2009 Flex and MKS vehicles equipped with a 3.5L or 3.7L engine and vehicle build date on or before 12/15/2008 may exhibit a malfunction indicator lamp (MIL) on and one or more diagnostic trouble codes (DTCs) P0011, P0012, P0016, P0018, P0021, P0022. Vehicle may also exhibit rough idle or misses.

ACTION

Follow the service procedure steps to correct this condition.

SERVICE PROCEDURE

1. Using IDS, verify DTCs are present.
2. Verify vehicle build date on or before 12/15/2008.
 - a. If the vehicle was built after 12/15/2008, this procedure does not apply, refer to the Powertrain Controls/Emissions Diagnosis (PC/ED) manual for further diagnosis.
 - b. If the vehicle was built on or before 12/15/2008 and has any variable camshaft timing (VCT) DTCs P0011, P0012, P0016, P0018, P0021, P0022 proceed to Step 3.
3. Remove both cam covers. Refer to Workshop Manual (WSM), Section 303-01.

4. Inspect the part number on the front of the camshaft phaser. You may need to rotate the engine crank to move the phasers in position. The left cam phaser should be 7T4E-6C524-EC and the right cam phaser should be 8T4E-6C524-AC.
 - a. If either one or both don't match the updated part numbers replace the phaser(s). Refer to WSM, Section 303-01.
 - b. If both camshaft phasers have the updated part numbers, this procedure does not apply and refer to the PC/ED manual for further diagnosis.

PART NUMBER	PART NAME
7T4Z-6A257-C	Kit - Camshaft Phaser for Both Banks
7T4Z-6A257-B	Kit - Camshaft Phaser Left Hand Bank
8T4Z-6A257-B	Kit - Camshaft Phaser Right Hand Bank

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage
IMPORTANT: Warranty coverage limits/policies are not altered by a TSB. Warranty coverage limits are determined by the identified causal part.

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 or Lincoln 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.

TSB 11-6-1 (Continued)

OPERATION	DESCRIPTION	TIME			
110601A	2007-2009 Edge, MKX 3.5L DOHC: Check DTCs, Inspect Both Phaser Part Numbers, Replace The Right Or Left Phaser (Do Not Use With Any Other Labor Operations)	7.5 Hrs.	110601B	2008-2009 Taurus, Sable, 2009 MKS: Check DTCs, Inspect Both Phaser Part Numbers, Replace Both Right And Left Phazers (Do Not Use With Any Other Labor Operations)	7.9 Hrs.
110601A	2007-2009 MKZ FWD 3.5L DOHC: Check DTCs, Inspect Both Phaser Part Numbers, Replace The Right Or Left Phaser (Do Not Use With Any Other Labor Operations)	10.2 Hrs.	110601B	2007-2009 MKZ AWD 3.5L DOHC: Check DTCs, Inspect Both Phaser Part Numbers, Replace Both Right And Left Phazers (Do Not Use With Any Other Labor Operations)	10.6 Hrs.
110601A	2007-2009 MKZ AWD 3.5L DOHC: Check DTCs, Inspect Both Phaser Part Numbers, Replace The Right Or Left Phaser (Do Not Use With Any Other Labor Operations)	10.5 Hrs.	110601B	2007-2009 MKZ FWD 3.5L DOHC:Check DTCs, Inspect Both Phaser Part Numbers, Replace Both Right And Left Phazers (Do Not Use With Any Other Labor Operations)	10.3 Hrs.
110601A	2008-2009 Taurus, Sable, 2009 MKS: Check DTCs, Inspect Both Phaser Part Numbers, Replace The Right Or Left Phaser (Do Not Use With Any Other Labor Operations)	7.8 Hrs.	110601B	2007-2009 Edge, MKX 3.5L DOHC: Check DTCs, Inspect Both Phaser Part Numbers, Replace Both Right And Left Phazers (Do Not Use With Any Other Labor Operations)	7.7 Hrs.
110601A	2008-2009 Taurus X, 2009 Flex: Check DTCs, Inspect Both Phaser Part Numbers, Replace The Right Or Left Phaser (Do Not Use With Any Other Labor Operations)	8.0 Hrs.	DEALER CODING		CONDITION
110601B	2008-2009 Taurus X, 2009 Flex: Check DTCs, Inspect Both Phaser Part Numbers, Replace Both Right And Left Phazers (Do Not Use With Any Other Labor Operations)	8.1 Hrs.	BASIC PART NO. 6A257		CODE 42