

**CAMSHAFT TICK NOISE—3.0L 4V ENGINE ONLY
WITH EXHAUST CAMSHAFT DRIVEN WATER PUMPS**

TSB 08-3-10

FORD:

2005-2007 Five Hundred, Freestyle
2006-2007 Fusion
2006-2008 Escape

LINCOLN:

2006 Zephyr

MERCURY:

2005-2007 Montego
2006-2007 Milan
2006-2008 Mariner

This article supersedes TSB **07-13-10** to add a production fix date.

ISSUE

Some 2005-2007 Five Hundred, Freestyle, Montego, and 2006-2007 Fusion, Milan, 2006 Zephyr, 2006-2008 Escape and Mariner vehicles built 1/17/2006 thru 5/31/2007, equipped with the 3.0L 4V Duratec engine with exhaust camshaft driven water pumps may exhibit a ticking noise from the left bank cylinder head with the engine at normal operating temperature.

ACTION

Refer to the following Service Procedure to identify and resolve the engine ticking noise.

SERVICE PROCEDURE

To diagnose, with the engine running and warm (normal operation temperature), using a mechanic's stethoscope, determine if ticking noise is coming from the left hand exhaust camshaft at cylinder number 6 (Figure 1). If ticking noise can be verified, refer to the following Service Procedure.

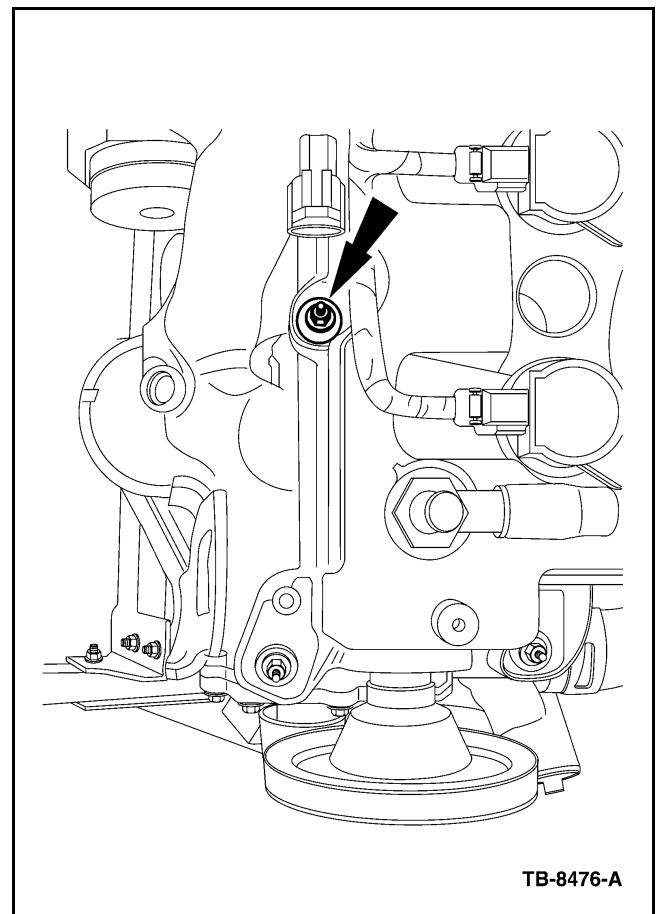


Figure 1 - Article 08-3-10

For 2008 Escape and Mariner, check the date on the LH cam cover engine label. If the engine build date is 5/16/2007 or before, refer to the following to identify and resolve the engine ticking noise. For engines built after this date, this procedure does not apply; refer to Workshop Manual (WSM), Section 303-00.

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.

TSB 08-3-10 (Continued)

For 2007 Fusion and Milan check the date on the front cover engine label. If the engine build date is 5/9/2007 or before, refer to the following to identify and resolve the engine ticking noise. For engines built after this date, this procedure does not apply; Refer to WSM, Section 303-00.

1. Remove the left hand camshaft cover. Refer to WSM, Section 303-01 of the appropriate manual.
2. Rotate the engine clockwise until the cylinder number 6 exhaust cam lobes are pointing up and the valves are fully closed.
3. Remove all left hand exhaust cam caps individually and reinstall them finger tight.
4. Torque bolts in sequence as shown in Figure 2, to 72 lb-in (8 N•m) excluding cam cap number 4L camshaft cap.

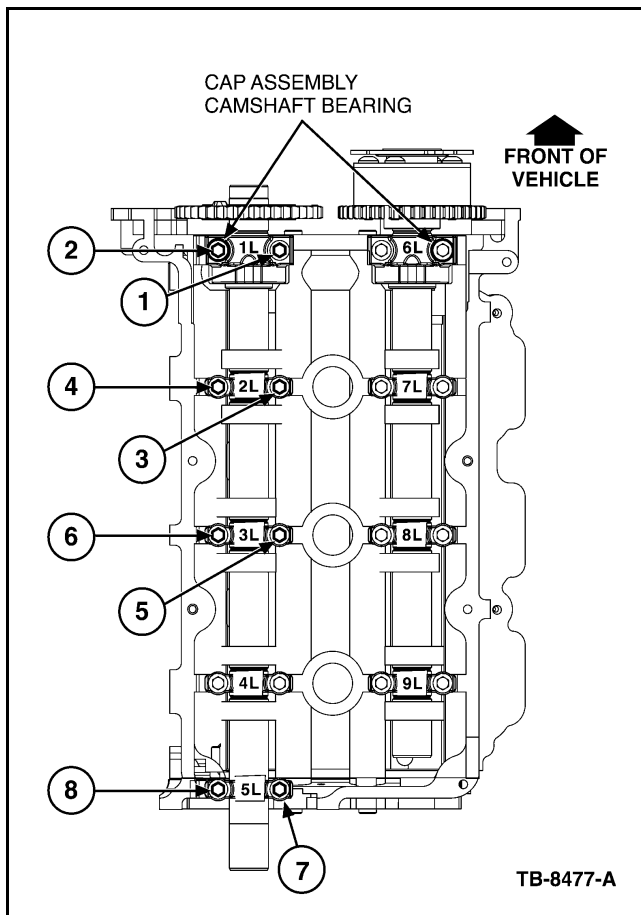


Figure 2 - Article 08-3-10

5. Using a screw driver positioned on each side of the top of cam cap number 4L (Figure 3), apply hand pressure and shift cam cap number 4L toward the exhaust side of the cylinder head.

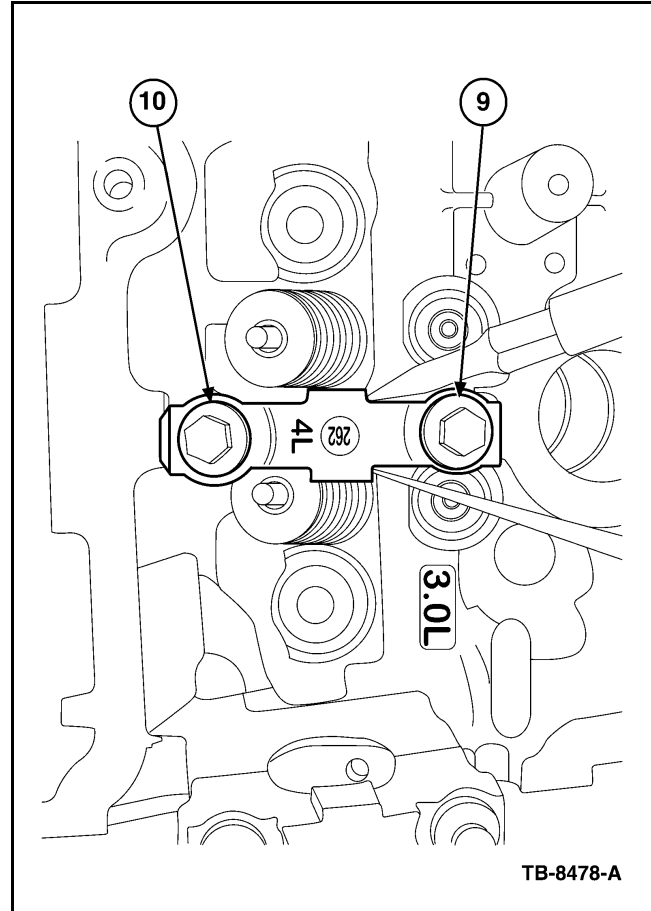


Figure 3 - Article 08-3-10

6. While holding cam cap number 4L in the shifted position, torque the fastener number 9 (inboard) first, to 72 lb-in (8 N•m) then torque fastener number 10. (Figure 3)
7. Install the left hand camshaft cover. Refer to appropriate WSM, Section 303-01.
8. Fully warm the engine to verify the repair.

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

TSB 08-3-10 (Continued)

OPERATION	DESCRIPTION	TIME	080310A	2006-2007	1.2 Hrs.
080310A	2005-2007 Five Hundred/Freestyle/Montego 3.0L DOHC: Remove The Exhaust Camshaft Caps And Reinstall Following The Service Procedure. Includes Time To Verify Concern, Remove And Install Camshaft Cover, And Verify Repair (Do Not Use With 6250AL, 6584AL)	1.2 Hrs.	080310A	2006-2007 Fusion/Milan/Zephyr 3.0L DOHC: Remove The Exhaust Camshaft Caps And Reinstall Following The Service Procedure. Includes Time To Verify Concern, Remove And Install Camshaft Cover, And Verify Repair (Do Not Use With 6250AL, 6584AL)	1.2 Hrs.
080310A	2006-2008 Escape/Mariner 3.0L DOHC: Remove The Exhaust Camshaft Caps And Reinstall Following The Service Procedure. Includes Time To Verify Concern, Remove And Install Camshaft Cover, And Verify Repair (Do Not Use With 6250AL, 6584AL)	1.4 Hrs.	DEALER CODING		CONDITION CODE
			BASIC PART NO. 6250		07