

# LOUD TICKING NOISE—3-VALVE ENGINES—STUCK LASH ADJUSTER

TSB 06-9-11

## FORD:

2006 Mustang, Expedition, Explorer, F-150, F-250, F-350

## LINCOLN:

2006 Mark LT, Navigator

## MERCURY:

2006 Mountaineer

## ISSUE

Some vehicles equipped with 4.6L, 5.4L, and 6.8L 3-valve engines built between 1/11/2006 and 2/14/2006 may exhibit a loud ticking noise in the valve train area. This may be caused by a stuck/collapsed lash adjuster.

## ACTION

Verify engine build date, isolate, and replace any stuck/collapsed lash adjuster by following the Service Procedure.

## SERVICE PROCEDURE

1. Check date code on the engine, located on the engine timing cover.
  - a. Date code between 1/11/2006 and 2/14/2006, proceed to Step 2.
  - b. Date code NOT between 1/11/2006 and 2/14/2006, this TSB does not apply, perform normal diagnostics.
2. Isolate the source of the noise to the cam cover on either Bank 1 or Bank 2. If the noise is not isolated to either cam cover, this TSB does not apply. Follow normal Workshop Manual (WSM) procedures for additional diagnostics.
3. Remove the appropriate cam cover.
4. Check for stuck/collapsed lash adjuster(s) by placing the cam lobe on the base circle and inspecting for loose cam followers as a result of the lash adjuster plunger being bottomed out.

## NOTE

A COLLAPSED LASH ADJUSTER WILL RESULT IN EXCESSIVE CLEARANCE BETWEEN THE LASH ADJUSTER AND THE CAM FOLLOWER.

## NOTE

WHEN CHECKING "3V" LASH ADJUSTERS - A "SPONGY" LASH ADJUSTER IS NORMAL WHEN OIL PRESSURE IS "NOT" APPLIED.

5. Replace only the affected lash adjuster(s) on the affected bank(s) following the procedures outlined in the appropriate WSM, Section 303.

PART NUMBER	PART NAME
5L1Z-6500-A	Adjuster Assembly

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

OPERATION	DESCRIPTION	TIME
060911A	2006 Expedition/Navigator 5.4L 3V: Isolate And Replace Lash Adjuster(s) Right Side Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	4.6 Hrs.
060911A	2006 F-150/Mark LT 5.4L 3V: Isolate And Replace Lash Adjuster (s) Right Side Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	3.8 Hrs.
060911A	2006 Explorer/Mountaineer 4.6L 3V: Isolate And Replace Lash Adjuster(s) Right Side Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	2.6 Hrs.

**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 06-9-11 (Continued)

060911A	2006 Super Duty 5.4L 3V: Isolate And Replace Lash Adjuster(s) Right Side Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	3.2 Hrs.	060911B	2006 Mustang 4.6L 3V: Isolate And Replace Lash Adjuster (s) Left Side Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	2.4 Hrs.
060911A	2006 Super Duty 6.8L 3V: Isolate And Replace Lash Adjuster(s) Right Side Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	4.9 Hrs.	060911C	2006 Expedition/Navigator 5.4L 3V: Isolate And Replace Lash Adjuster(s) Both Sides Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	6.6 Hrs.
060911A	2006 Mustang 4.6L 3V: Isolate And Replace Lash Adjuster (s) Right Side Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	2.3 Hrs.	060911C	2006 F-150/Mark LT 5.4L 3V: Isolate And Replace Lash Adjuster (s) Both Sides Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	5.6 Hrs.
060911B	2006 Expedition/Navigator 5.4L 3V: Isolate And Replace Lash Adjuster(s) Left Side Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	2.6 Hrs.	060911C	2006 Explorer/Mountaineer 4.6L 3V: Isolate And Replace Lash Adjuster(s) Both Sides Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	4.4 Hrs.
060911B	2006 F-150/Mark LT 5.4L 3V: Isolate And Replace Lash Adjuster (s) Left Side Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	2.6 Hrs.	060911C	2006 Super Duty 5.4L 3V: Isolate And Replace Lash Adjuster(s) Both Sides Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	5.3 Hrs.
060911B	2006 Explorer/Mountaineer 4.6L 3V:: Isolate And Replace Lash Adjuster(s) Left Side Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	2.4 Hrs.	060911C	2006 Super Duty 6.8L 3V: Isolate And Replace Lash Adjuster(s) Both Sides Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	7.4 Hrs.
060911B	2006 Super Duty 5.4L 3V: Isolate And Replace Lash Adjuster(s) Left Side Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	2.7 Hrs.	060911C	2006 Mustang 4.6L 3V: Isolate And Replace Lash Adjuster (s) Both Sides Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	4.2 Hrs.
060911B	2006 Super Duty 6.8L 3V: Isolate And Replace Lash Adjuster(s) Left Side Of Engine (Do Not Use With 6051A, 6306A, 9424A, 6584A, 6256A, 6250A, 6500A)	3.1 Hrs.	<b>DEALER CODING</b>		
			BASIC PART NO.		CONDITION
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