

FORD:

2011-2012 Mustang, F-150

This article supersedes TSB 11-12-12 to update the Service Procedure and warranty causal part number.

ISSUE

Some 2011-2012 F-150 and Mustang vehicles (excluding Boss) equipped with a 5.0L engine may exhibit an intermittent metallic rattle or scratching type noise in the area at the front of the left hand or driver side cylinder head at idle with the engine at operating temperature.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Determine engine build date. Refer to Workshop Manual (WSM), Section 303-01.
 - a. If engine build date is on or before 11/10/2011, proceed to Step 2.
 - b. If engine build date is on or after 11/11/2011, do not continue with this procedure. Refer to the WSM, Section 303-00 for normal diagnostics.
2. Warm the engine to operating temperature.
3. Using a mechanic's stethoscope or EngineEAR, listen for a metallic type rattle or scratching type noise at the front of LH cylinder head.
4. Is the noise heard in areas shown? (Figures 1 and 2)

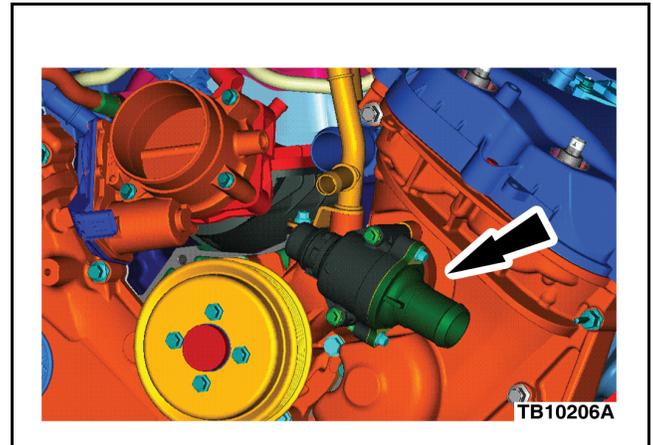


Figure 1 - Article 12-3-1

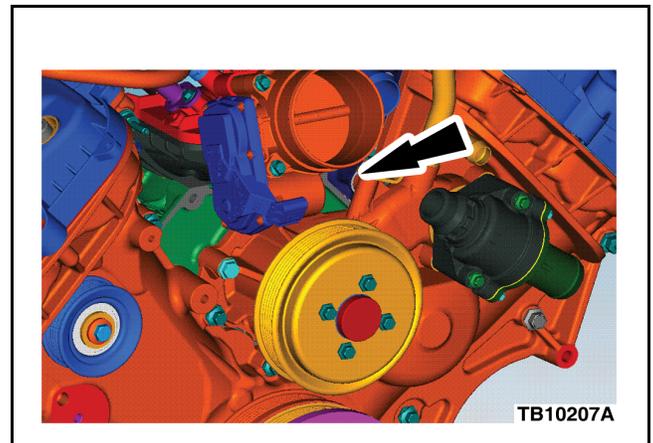


Figure 2 - Article 12-3-1

- a. Yes - Proceed to Step 5.
 - b. No - This article does not apply.
5. Remove accessory drive belt, refer to WSM, Section 303-05. Is noise still present?
 - a. Yes - Proceed to Step 6.
 - b. No - Replace the coolant pump. Refer to WSM, Section 303-03A.
 6. Is the noise heard in the areas shown? (Figures 1 and 2)

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 12-3-1 (Continued)

- a. Yes - Replace the LH primary tensioner and timing chain tensioner arm using the kit part number provided in this article. Refer to WSM, Section 303-01B.
- b. No - This article does not apply. Refer to WSM, Section 303-00 for normal diagnostics.

NOTE

FAILURE TO REPLACE BOTH THE PRIMARY TENSIONER AND TIMING CHAIN TENSIONER ARM MAY RESULT IN OVERLOADING OF THE TIMING CHAIN AND UNDER CERTAIN CONDITIONS COULD LEAD TO TIMING CHAIN FAILURE.

PART NUMBER	PART NAME
BR3Z-6L266-AA ZC-30	Chain Tensioner Kit Motorcraft® Silicone Gasket Remover
ZC-31-A TA-30	Motorcraft® Metal Surface Prep Motorcraft® Silicone Gasket And Sealant
BR3Z-8255-A	Thermostat Seal
F1VY-8507-A	Water Pump Gasket
BR3Z-6A340-A	Crankshaft Bolt
BR3Z-6020-B	Front Cover Gasket - Left
BR3Z-6020-C	Front Cover Gasket - Center
BR3Z-6020-D	Front Cover Gasket - Right
BR3Z-6584-A	Valve Cover Gasket - Left
BR3Z-6584-D	Valve Cover Gasket - Right
BR3Z-8620-A	A/C Stretchy Belt
BR3Z-8501-H	Water Pump

OPERATION	DESCRIPTION	TIME
120301A	2011-2012 F-150 5.0L: Replace The Coolant Pump Includes Time To Diagnose (Do Not Use With Any Other Labor Operations)	1.5 Hrs.
120301A	2011-2012 Mustang 5.0L: Replace The Coolant Pump Includes Time To Diagnose (Do Not Use With Any Other Labor Operations)	1.7 Hrs.
120301B	2011-2012 F-150 5.0L: Replace The LH Timing Chain Tensioner And Tensioner Arm Includes Time To Diagnose (Do Not Use With Any Other Labor Operations)	5.3 Hrs.
120301B	2011-2012 Mustang 5.0L: Replace The LH Timing Chain Tensioner And Tensioner Arm Includes Time To Diagnose (Do Not Use With Any Other Labor Operations)	5.4 Hrs.

DEALER CODING

BASIC PART NO.
8501

CONDITION
CODE
42

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage
Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB.
Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.