FORD:
2011-2012 Mustang

This article supersedes TSB 12-8-3 to update Part List.

ISSUE
Some 2011-2012 Mustang vehicles equipped with a 5.0L engine and air conditioning (A/C) compressor drive stretchy belt configuration may exhibit a light, lower-end engine knock most noticeable when engine temperature is warm and the vehicle is at idle.

ACTION
Refer to the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Remove A/C compressor drive stretchy belt. Refer to Workshop Manual (WSM), Section 303-05. Start engine and re-evaluate concern.
   Is light, lower-end engine knock still present?
   a. Yes - This procedure does not apply. Refer to WSM, Section 303-00.
   b. No - Obtain drive belt service kit. For vehicles with automatic transmission, also obtain transmission fluid cooler tubes and clamps. Proceed to Step 2.

2. For vehicles with automatic transmission, remove transmission fluid cooler tubes and discard. Refer to WSM, Section 307-02.

3. Determine engine build date. Refer to WSM, Section 303-01.
   a. If engine build date is on or before 4/15/2011, proceed to Step 4.
   b. If engine build date is after 4/15/2011, do not replace the engine front cover. Use an 8 X 1.25 mm tap to clean the mounting locations noted on the engine front cover. (Figure 1) Use compressed air to clean any remaining debris.
      (1) For vehicles equipped with an automatic transmission, proceed to Step 5.
      (2) For vehicles equipped with a manual transmission, proceed to Step 6.

4. Replace the engine front cover. Refer to WSM, Section 303-01.

5. For vehicles with automatic transmission, install new transmission fluid cooler tubes. Refer to WSM, Section 307-02.

6. Install A/C compressor drive belt idler pulley and A/C compressor drive belt idler pulley bolt supplied in the service kit. Tighten to 25 N·m (18 lb-ft). (Figure 2)
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.

OPERATION DESCRIPTION TIME

120814A 2011-2012 Mustang 5.0L Manual Transmission: Diagnose, Install New A/C Compressor Drive Belt Idler Pulley, Tensioner, And Drive Belt Includes Time To Reprogram The PCM And Perform Misfire Monitor Neutral Profile Correction (Do Not Use With Any Other Labor Operations)

120814A 2011-2012 Mustang 5.0L 6R80 Automatic Transmission: Diagnose, Install New A/C Compressor Drive Belt Idler Pulley, Tensioner, Drive Belt And Transmission Cooler Lines Includes Time To Reprogram The PCM And Perform Misfire Monitor Neutral Profile Correction (Do Not Use With Any Other Labor Operations)

120814B 2011-2012 Mustang 5.0L Manual Transmission: Diagnose, Install New Engine Front Cover, A/C Compressor Drive Belt Idler Pulley, Tensioner, And Drive Belt Includes Time To Reprogram The PCM And Perform Misfire Monitor Neutral Profile Correction (Do Not Use With Any Other Labor Operations)
120814B  2011-2012 Mustang 5.0L  7.4 Hrs.
6R80 Automatic
Transmission: Diagnose,
Install New Engine Front
Cover, A/C Compressor
Drive Belt Idler Pulley,
Tensioner, Drive Belt And
Transmission Cooler Lines
Includes Time To
Reprogram The PCM And
Perform Misfire Monitor
Neutral Profile Correction
(Do Not Use With Any
Other Labor Operations)

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<th>DEALER CODING</th>
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