

**FORD:**  
2011 Mustang

**ISSUE**

Some 2011 Mustang vehicles built on or before 8/16/2010 equipped with a 5.0L engine may exhibit the malfunction indicator lamp (MIL) illuminating with one or more diagnostic trouble codes (DTCs) P0301, P0302, P0303, P0304, P0305, P0306, P0307 and/or P0308 present.

**ACTION**

Follow the Service Procedure steps to correct the condition.

**SERVICE PROCEDURE**

1. Reprogram the powertrain control module (PCM) to the latest calibration using IDS release 72.01 and higher. This new calibration is not included in the VCM 2011.3 DVD. Calibration files may also be obtained at [www.motorcraft.com](http://www.motorcraft.com).
2. A Misfire Monitor Neutral Profile Correction will need to be learned. Use the scan tool to perform the Misfire Monitor Neutral Profile Correction procedure. From the IDS toolbox select:
  - Powertrain
  - Service Functions
  - Misfire Monitor Neutral Profile Correction
  - Follow prompts

**NOTE**

PLEASE ADVISE THE CUSTOMER THAT THIS VEHICLE IS EQUIPPED WITH AN ADAPTIVE TRANSMISSION SHIFT STRATEGY WHICH ALLOWS THE VEHICLE'S COMPUTER TO LEARN THE TRANSMISSION'S UNIQUE PARAMETERS AND IMPROVE SHIFT QUALITY. WHEN THE ADAPTIVE STRATEGY IS RESET, THE COMPUTER WILL BEGIN A RE-LEARNING PROCESS. THIS RE-LEARNING PROCESS MAY RESULT IN FIRMER THAN NORMAL UPSHIFTS AND DOWNSHIFTS FOR SEVERAL DAYS.

**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.

**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.

<b>OPERATION</b>	<b>DESCRIPTION</b>	<b>TIME</b>
110331A	2011 Mustang 5.0L: Check DTCs, Reprogram The PCM And Perform Misfire Monitor Neutral Profile Correction Procedure (Do Not Use With Any Other Labor Operations)	0.5 Hr.

  

<b>DEALER CODING</b>	<b>CONDITION CODE</b>
BASIC PART NO. RECALEM	04