

**6.7L - ILLUMINATED MALFUNCTION INDICATOR LAMP (MIL) -  
DIAGNOSTIC TROUBLE CODE (DTC) P0402 - BUILT ON OR BEFORE 24-  
OCT-2016**

**TSB 16-0152**

**FORD:**

2017 F-Super Duty

**ISSUE**

Some 2017 F-Super Duty vehicles equipped with a 6.7L engine built on or before 24-Oct-2016 may exhibit DTC P0402 in the powertrain control module (PCM). This may be due to a mass air flow (MAF) sensor adaption feature which has not yet learned the appropriate values for the vehicle operating condition.

**ACTION**

Follow the Service Procedure steps to correct the condition.

**SERVICE PROCEDURE**

1. Connect the Ford Integrated Diagnostic System (IDS) service tool or equivalent scan tool to the data link connector (DLC). Check for DTCs. Is P0402 stored in the PCM without any other DTCs?
  - a. Yes - proceed to Step 2.
  - b. No - this article does not apply. Refer to the Powertrain Controls/Emissions Diagnosis (PC/ED) manual for normal diagnostics.
2. Did the customer report any drivability symptoms?
  - a. Yes - this article does not apply. Refer to the PC/ED manual for normal diagnostics.
  - b. No - proceed to Step 3.
3. Using the Ford IDS or equivalent scan tool access the PCM datalogger by selecting: Toolbox > Datalogger > Powertrain > Engine and read parameter identification (PID) MAFLRN\_AIDLE. Is PID MAFLRN\_AIDLE value greater than or equal to 0.04?
  - a. Yes - this article does not apply. Refer to the PC/ED manual for normal diagnostics.
  - b. No - proceed to Step 4.
4. Access and record current programmable parameters. Using the IDS scan tool, access the programmable parameters and record the values for:
  - a. Axle ratio
  - b. Tire size
  - c. Speed control
  - d. Engine shutdown system
  - e. Vehicle speed limit
  - f. Diesel particulate filter (DPF) manual regeneration
  - g. Snowplow package
5. Update the as built data in the PCM. Make sure you are connected to the internet when programming as built data to obtain the latest configuration.
  - a. Make sure to select configuration data when prompted.

NOTE: The information contained 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.

6. Access programmable parameters. Compare values recorded from Step 4. If any of the designated programmable parameters have reset to a different value than what was recorded, use the IDS to restore the previous values.
7. Clear all DTCs from the PCM.

OPERATION	DESCRIPTION	TIME
160152A	2017 F-Super Duty 6.7L DIT: Retrieve DTCs Record PID Value And Programmable Parameters Update PCM As Built Data Includes Time To Restore Parameters To Previous Values (Do Not Use With Any Other Labor Operations)	0.6 Hr.

**WARRANTY STATUS:**

Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions 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.

**DEALER CODING**

BASIC PART NO.	CONDITION CODE
RECALEM	04