

**2.0L/2.5L/3.5L/3.7L - ILLUMINATED WRENCH LAMP WITH
INTERMITTENT LOSS OF POWER - DTCS P2111, P2112 AND/OR P2119 -
BUILT ON OR BEFORE 31-MAY-2016**

TSB 16-0139

FORD:

2015-2016 C-MAX, Edge, F-150, Flex, Taurus

2016 Escape, Expedition, Explorer, Fusion, Mustang, Transit, Transit Connect

LINCOLN:

2015-2016 MKS

2016 MKX, MKZ, Navigator

ISSUE

Some 2015-2016 F-150, C-Max, Edge, MKS, Taurus and Flex and 2016 Expedition, Explorer, Escape, Fusion, Mustang, MKZ, MKX, Navigator, Transit and Transit Connect vehicles equipped with a 2.0L, 2.5L, 3.5L or 3.7L gasoline engine and built on or before 31-May-2016 may exhibit an intermittent loss of power and/or an illuminated powertrain malfunction (wrench) lamp with diagnostic trouble codes (DTCs) P2111, P2112 and/or P2119 stored in powertrain control module (PCM) memory.

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. Are DTCs B00A0, P0122, P0223, P0505, P2135, U0140, U0155, U0401, U0415, U0418, U3013 and/or P04DB present in the PCM memory?
 - a. Yes - this article does not apply. Refer to the Powertrain Control/Emission Diagnosis (PC/ED) manual for normal diagnostics.
 - b. No - proceed to Step 2.
2. Was field service action (FSA) 16B32 completed during this service visit?
 - a. Yes - FSA 16B32 was completed during this service visit. Were DTCs P2111 and/or P2112 present prior to FSA completion?
 - (1) Yes - FSA 16B32 was completed during this service visit and DTCs P2111 and/or P2112 were present prior to FSA completion, proceed to Step 8.
 - (2) No - DTCs P2111 and/or P2112 were not present prior to FSA completion, proceed to Step 3.
 - b. No - FSA 16B32 was not completed during this service visit proceed to Step 3.
3. Are DTCs P2111, P2112 and/or P2119 currently present?
 - a. Yes - proceed to Step 8.
 - b. No - proceed to Step 4.
4. Check for historical DTCs. If historical DTCs are available in the IDS, the yellow historical DTC icon will be present on the right side menu bar. Are historical DTCs P2111, P2112 and/or P2119 present in PCM memory?
 - a. Yes - proceed to Step 8.
 - b. No - proceed to Step 5.

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.

5. Does the customer report intermittent vehicle symptoms including an illuminated powertrain malfunction (wrench) lamp, lack of power and/or the vehicle entering failure mode effects management (FMEM); resulting in default throttle position at a fixed RPM with reduced engine power and vehicle speed?
 - a. Yes - proceed to Step 6.
 - b. No - this article does not apply. Refer to the PC/ED manual for normal diagnostics.
6. Visually inspect the following:
 - Electronic throttle body (ETB) wiring harness, connector and terminals for damage, corrosion and/or poor connection.
 - Intake air piping and connections for damage or leaks.
 - Throttle plate for damage or foreign material. Disconnect the ETB inlet pipe. Refer to the Workshop Manual (WSM), Section 303-04.
7. Did the visual inspection identify any concern?
 - a. Yes - this article does not apply. Refer to the PC/ED manual for normal diagnostics.
 - b. No - proceed to Step 8.
8. Replace the ETB. Refer to WSM, Section 303-04.

PART NUMBER	PART NAME
AT4Z-9E926-B	Electronic Throttle Body - Car - 3.5L / 3.7L Ti-VCT
8E5Z-9E936-A	Gasket - Throttle Body - Car - 3.5L / 3.7L Ti-VCT
BL3Z-9E926-B	Electronic Throttle Body - Truck - 3.5L Ti-VCT / GTDI
AT4Z-9E936-A	Gasket - Throttle Body - Truck - 3.5L Ti-VCT / GTDI
DS7Z-9E926-D	Electronic Throttle Body - Car - 2.0L Gasoline/HEV / Car/Truck 2.5L
9L8Z-9E936-A	Gasket - Throttle Body - Car - 2.0L Gasoline/HEV / Car/Truck 2.5L

OPERATION	DESCRIPTION	TIME
160139A	2015-2016 C-MAX, 2016 Transit Connect 2.5L, Fusion Hybrid/Energi, MKZ HF, Fusion 2.5L, Mustang 3.7L: Diagnose And Replace The ETB Following The Service Procedure (Do Not Use With Any Other Labor Operations)	0.5 Hr.
160139A	2015 F150 3.5L Ti-VCT, 2016 Transit 3.5L GTDI, Escape 2.5L, Expedition, Navigator: Diagnose And Replace The ETB Following The Service Procedure (Do Not Use With Any Other Labor Operations)	0.5 Hr.
160139B	2015-2016 MKS 3.7L, Taurus 3.5L Ti-VCT, F-150 3.5L GTDI, Flex 3.5L Ti-VCT, 2016 MKZ 3.7L Ti-VCT 2016 Explorer 3.5L Ti-VCT: Diagnose And Replace The ETB Following The Service Procedure (Do Not Use With Any Other Labor Operations)	0.6 Hr.
160139C	2015-2016 Edge 3.5L Ti-VCT 2016 MKX 3.7L Ti-VCT: Diagnose And Replace The ETB Following The Service Procedure (Do Not Use With Any Other Labor Operations)	0.7 Hr.

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.

DEALER CODING

TSB 16-0139 (Continued)

BASIC PART NO.	CONDITION CODE
9E926	42