

**TECHNICAL SERVICE BULLETIN****2.7L - Illuminated Malfunction Indicator Lamp (MIL) - Diagnostic Trouble Code (DTC) P0C2A - Built On Or After 01-May-2016****17-2056**

04 April 2017

Model:

Ford 2016 F-150	Build Date: 01-May-2016 Onwards Engine: 2.7L
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Issue: Some 2016 F-150 equipped with a 2.7L engine and built on or after 01-May-2016 may exhibit an illuminated MIL with DTC P0C2A.

Action: Follow the Service Procedure steps to correct the condition.

Parts

Part Number	Description	Quantity
FL3Z-7A103-D	Transmission Fluid Auxiliary Pump Kit	1
XT-10-QLVC	Motorcraft® MERCON® LV Automatic Transmission Fluid	1

Warranty Status:**Labor Times**

Description	Time
2016 F-150 2.7L: Retrieve DTCs Verify Pump Operation And Reprogram The PCM (Do Not Use With Any Other Labor Operations)	0.4
2016 F-150 2.7L: Retrieve DTCs Verify Pump Operation And Replace The Transmission Fluid Auxiliary Pump (Do Not Use With Any Other Labor Operations)	1.4

Repair/Claim Coding

Causal Part:	7A103
Condition Code:	42

Service Instruction

- Connect the Ford Integrated Diagnostic System (IDS) service tool or equivalent scan tool to the data link connector (DLC). Check for DTCs. Is P0C2A stored in the powertrain control module (PCM) memory?
 - Yes – proceed to Step 2.
 - No – refer to Workshop Manual (WSM), Section 307-01 for normal diagnostics.
- Using IDS, access transmission fluid temperature (TFT) parameter identification (PID). If TFT is below 38 °C (100 °F), run engine at 3000 RPM until specified temperature is achieved (approximately 2-4 minutes).
- Using IDS, with key on engine off, command the transmission fluid auxiliary pump on using PID, TRANS_PMP_CMD to operate the transmission fluid auxiliary pump and vary the duty cycle from 20% to 90%. Is the transmission fluid auxiliary pump operating?
 - Yes - reprogram the PCM using IDS release 104.03 or higher. Make sure you are connected to the internet when entering module programming to obtain the latest updates. Calibration files may also be obtained at www.motorcraftservice.com.
 - No - replace the transmission fluid auxiliary pump. Refer to WSM Section 307-01.

NOTE: 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.

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