TECHNICAL SERVICE BULLETIN
1.5L EcoBoost - Illuminated Malfunction Indicator Lamp (MIL) - DTCs P04DB And/Or P051B - Built On Or Before 1-Feb-2017

18-2247
16 August 2018

This bulletin supersedes 18-2210. Reason for update: New Part/Procedure For Same Condition

Model:

Ford 2017 Escape

Summary

This article supersedes TSB 18-2210 to update the vehicle model years affected, production fix date and Service Procedure.

Issue: Some 2017 Escape vehicles equipped with a 1.5L EcoBoost engine and built on or before 1–Feb–2017 may exhibit an illuminated MIL with diagnostic trouble codes (DTCs) P04DB and/or P051B stored in the powertrain control module (PCM).

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

Parts

Part Number	Description	Quantity
GV6Z-6A664-B	Crankcase Pressure Sensor/Tube Assembly	1

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.

Labor Times

Description	Operation No.	Time
2017 Escape 1.5L GTDI: Retrieve DTCs, Monitor Sensor Voltage (Pass) And Reprogram The PCM (Do Not Use With Any Other Labor Operations)	182247A	0.4 Hrs.
2017 Escape 1.5L GTDI: Retrieve DTCs, Monitor Sensor Voltage (Fail), Replace The Crankcase Pressure Sensor/Tube Assembly And Reprogram The PCM (Do Not Use With Any Other Labor Operations)	182247B	0.7 Hrs.

Repair/Claim Coding

Causal Part:	RECALEM
Condition Code:	42

Tool List

Drive	Tool Name
1/4"	Ratchet
1/4"	Torque Wrench
1/4"	Power Tool
1/4"	Torx® Socket T25
3/8"	Ratchet
3/8"	Torque Wrench
3/8"	15 mm Socket

Drive	Tool Name
3/8"	3" Extension
	Wiper Arm Puller
	Hose Clamp Pliers
	Pick Tool

Service Procedure

1. Check the vehicle build date. Was the vehicle built on or before 1–Feb–2017?

(1). Yes - proceed to Step 2.

(2). No - this article does not apply. Refer to the Powertrain Control/Emissions Diagnosis (PC/ED) Manual for normal diagnostics.

2. Using the appropriate Ford scan tool or equivalent, retrieve DTCs. Is P04DB and/or P051B stored in the PCM?

(1). Yes - proceed to Step 3.

(2). No - this article does not apply. Refer to the PC/ED Manual for normal diagnostics.

3. Using the appropriate Ford scan tool, enter Datalogger > PCM > PIDs. Monitor CRNKCAS_P_V during key on/engine off (KOEO) for 10 seconds without tapping/disturbing the sensor and connector. Is the sensor voltage between 3.7 volts and 4.1 volts?

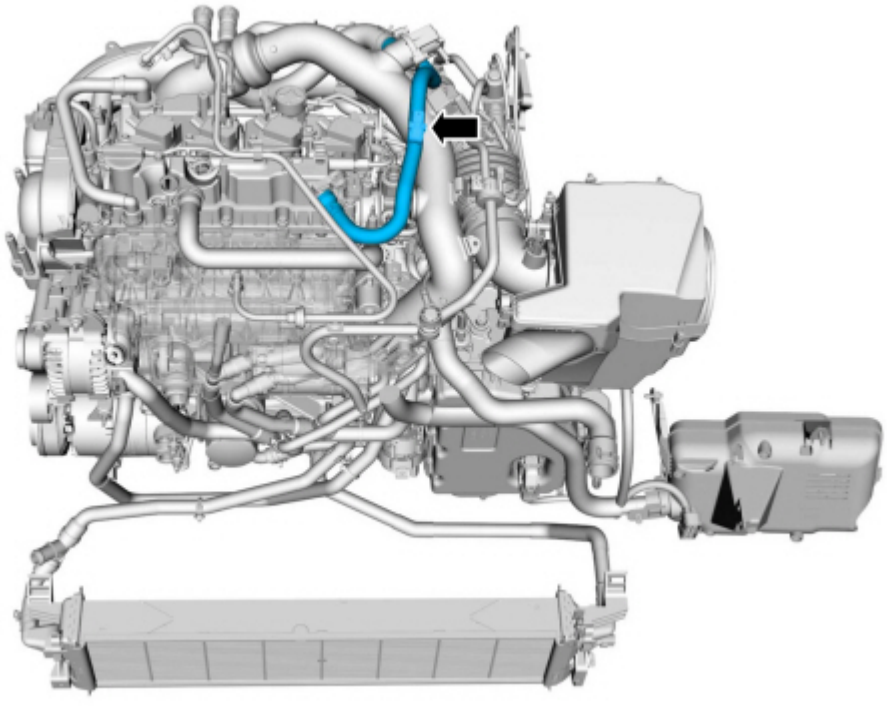
(1). Yes - proceed to Step 7.

(2). No - proceed to Step 4.

4. Remove the cowl panel. Refer to Workshop Manual (WSM), Section 501-02.

5. Remove and replace the crankcase pressure sensor/tube assembly. (Figure 1)

Figure 1



6. To install, reverse the removal procedure.

7. Reprogram the PCM using the latest version of the appropriate Ford diagnostic scan tool.

(1). 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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