



TECHNICAL SERVICE BULLETIN

1.5L EcoBoost - Illuminated MIL With DTC P051B

**20-
2002**
16 January
2020

Model:

Ford 2018-2019 Escape	Engine: 1.5L EcoBoost
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Issue: Some 2018-2019 Escape vehicles equipped with a 1.5L EcoBoost engine may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble code (DTC) P051B stored in the powertrain control module (PCM). This may be due to the crankcase pressure sensor. To correct the condition, follow the Service Procedure steps to replace the crankcase pressure sensor.

Action: Follow the Service Procedure steps to correct the condition on vehicles that meet all of the following criteria:

- 2018-2019 Escape
- 1.5L EcoBoost engine
- Illuminated MIL with only DTC P051B

Parts

Part Number	Description	Quantity
GL3Z-9J460-A	Crankcase Pressure Sensor	1

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Emissions Warranty/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/Emissions Warranty/SPW/SSP/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2018-2019 Escape 1.5L EcoBoost: Retrieve DTCs And Replace The Crankcase Pressure Sensor (Do Not Use With Any Other Labor Operations)	202002A	0.4 Hrs.

Repair/Claim Coding

Causal Part:	9J460
Condition Code:	42

Service Procedure

1. 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 - this article does not apply. Refer to the Powertrain Controls/Emissions Diagnosis (PC/ED) Manual for normal diagnostics.

(2). No - proceed to Step 2.

2. Remove and replace the crankcase pressure sensor. Refer to Workshop Manual (WSM), Section 303-12A.

NOTE: Applying water to the crankcase pressure sensor O-ring can aid in installation. Do not use any petroleum product on the sensor or sensor O-ring as the sensor sensing element can be contaminated.

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