



TECHNICAL SERVICE BULLETIN

2.7L EcoBoost - Illuminated MIL With DTC P0096 In The PCM

21-2084
09 July 2021

Model:

Ford 2017-2021 F-150	Engine: 2.7L EcoBoost
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Issue: Some 2017-2021 F-150 vehicles equipped with a 2.7L EcoBoost engine may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble code (DTC) P0096 in the powertrain control module (PCM). This may be due to an issue with the manifold absolute pressure (MAP) sensor. To correct the condition, follow the Service Procedure to replace the MAP sensor.

Action: Follow the Service Procedure steps to correct the condition if the vehicle meets all of the following criteria:

- 2017-2021 F-150
- 2.7L EcoBoost engine
- Exhibits an illuminated MIL with DTC P0096 stored in the PCM

NOTE: Part quantity refers to the number of that service part number required, which may be different than the number of individual pieces. Service part numbers contain 1 piece unless otherwise stated. "As Needed" indicates the part is required but the number may vary or is not a whole number; parts can be billed out as non-whole numbers, including less than 1.

Parts

Part Number	Description	Quantity
LV2Z-9F479-B	Map 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
2021 F-150 2.7L EcoBoost: Retrieve DTCs Replace The MAP Sensor (Do Not Use With Any Other Labor Operations)	212084A	0.3 Hrs.
2017-2020 F-150 2.7L EcoBoost: Retrieve DTCs Replace The MAP Sensor (Do Not Use With Any Other Labor Operations)	212084B	0.4 Hrs.

Repair/Claim Coding

Causal Part:	9F479
Condition Code:	42

Service Procedure

1. Replace the MAP sensor. Refer to Workshop Manual (WSM), Section 303-14A.

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 or Lincoln 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.