



TECHNICAL SERVICE BULLETIN

2.7L EcoBoost/3.3L/5.0L - Illuminated MIL And DTCs P2096 And/Or P2098 In The PCM

21-2306

13 September
2021

Model:

Ford	Engine: 2.7L EcoBoost
2021 F-150	Engine: 3.3L
	Engine: 5.0L

Issue: Some 2021 F-150 vehicles equipped with a 2.7L EcoBoost, 3.3L or a 5.0L engine may experience an illuminated malfunction indicator lamp (MIL) and diagnostic trouble codes (DTC) P2096 and/or P2098 stored in the powertrain control module (PCM). This may be due to various software parameters within the PCM and/or the catalyst monitor sensor. To correct the condition, follow the Service Procedure to update the PCM and replace the catalyst monitor sensors.

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

- 2021 F-150
- 2.7L EcoBoost, 3.3L or 5.0L engine
- Exhibits an illuminated MIL and DTCs P2096 and/or P2098 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
ML3Z-9G444-C	Package Contains 1 Piece, 2 Pieces Required	Catalyst Monitor Sensor (2.7L EcoBoost)	2
ML3Z-9G444-A	Package Contains 1 Piece, 2 Pieces Required	Catalyst Monitor Sensor (3.3L/5.0L)	2

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/3.3L/5.0L: Retrieve DTCs, And Replace The Catalyst Monitor Sensors Includes Time To Check For PCM Software Update (Do Not Use With Any Other Labor Operations)	212306A	0.7 Hrs.
2021 F-150 2.7L/3.3L/5.0L: Retrieve DTCs, Update PCM Software And Replace The Catalyst Monitor Sensors Includes Time To Check For PCM Software Update (Do Not Use With Any Other Labor Operations)	212306B	0.9 Hrs.

Repair/Claim Coding

Causal Part:	RECALEM
Condition Code:	04

Service Procedure

1. Check the PCM for software updates using the latest software level of the Ford Diagnosis and Repair System (FDRS) scan tool. Is there a software update available for the PCM?

(1). Yes - download and run the PCM - Powertrain Control Module (PCM) Software Update app. Proceed to Step 2.

NOTE: Advise the customer 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 relearning process. This relearning process may result in firmer than normal upshifts and downshifts for several days.

(2). No - proceed to Step 2.

2. Replace both catalyst monitor sensors. Refer to Workshop Manual (WSM), Section 303-14C.

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NOTE: The information 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 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.