



TECHNICAL SERVICE BULLETIN

5.0L - Illuminated MIL With Various DTCs Stored In The PCM - Built On Or Before 04-Mar-2021

22-2393

18 October
2022

This bulletin supersedes 21-2154.

Model:

Ford 2019-2021 F-150	Engine: 5.0L Built on or before 04-Mar-2021
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Summary

This article supersedes TSB 21-2154 to update the issue and action statements.

Issue: Some 2019-2021 F-150 vehicles built on or before 04-Mar-2021 and equipped with a 5.0L engine may experience an illuminated malfunction indicator lamp (MIL) and diagnostic trouble codes (DTC) P0171, P0172, P0174, P0175, P0364, P060B, P062B, P1104, P164C, P2601, P2BEC, P2BED, P2BEE, P2BEF, P2BF0, P2BF1, P2BF2 and/or P2BF3 stored in the powertrain control module (PCM). This may be due to various software parameters within the PCM. To correct the condition, follow the Service Procedure to reprogram the PCM and reset the keep alive memory (KAM).

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

- 2019-2021 F-150
- Built on or before 04-Mar-2021
- 5.0L engine
- Exhibits an illuminated MIL with DTCs P0171, P0172, P0174, P0175, P0364, P060B, P062B, P1104, P164C, P2601, P2BEC, P2BED, P2BEE, P2BEF, P2BF0, P2BF1, P2BF2 and/or P2BF3 stored in the PCM

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
2019-2021 F-150 5.0L: Retrieve DTCs, Reprogram The PCM And Reset KAM (Do Not Use With Any Other Labor Operations)	222393A	0.3 Hrs.

Repair/Claim Coding

Causal Part:	RECALEM
Condition Code:	04

Service Procedure

1. Reprogram the PCM using the latest software level of the appropriate Ford diagnostic scan tool.
2. Reset the KAM in the PCM.

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.

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