



# TECHNICAL SERVICE BULLETIN

## 5.0L Flex Fuel - Illuminated MIL With DTCs P0171, P0172, P0174, And/Or P0175

21-2443

13 December  
2021

### Model:

<b>Ford</b> 2019-2020 F-150	Engine: 5.0L Flex Fuel
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**Issue:** Some 2019-2020 F-150 vehicles equipped with a 5.0L flex fuel engine may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble codes (DTC) P0171, P0172, P0174 and/or P0175. This may be due to software parameters in the powertrain control module (PCM). To correct the condition, follow the Service Procedure to reprogram the PCM.

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

- 2019-2020 F-150
- 5.0L flex fuel engine
- Illuminated MIL with DTCs P0171, P0172, P0174 and/or P0175

**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
2019-2020 F-150 5.0L: Retrieve DTCs And Reprogram The PCM (Do Not Use With Any Other Labor Operations)	212443A	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 Integrated Diagnostic System (IDS) scan tool.

**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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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.