



## TECHNICAL SERVICE BULLETIN

### 2.7L EcoBoost - Illuminated MIL With Various DTCs And/Or Intermittent Brief Deceleration In Cruise Control - Built On Or Before 04-Jul-2020

**21-2045**23 February  
2021

This bulletin supersedes 20-2257. Reason for update: Incorrect or Incomplete Symptom

**Model:**

<b>Ford</b> 2019-2020 F-150	Engine: 2.7L EcoBoost
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**Summary**

This article supersedes TSB 20-2257 to update the Title, Issue, and Action.

**Issue:** Some 2019-2020 F-150 vehicles equipped with a 2.7L EcoBoost engine built on or before 04-Jul-2020 may experience an illuminated malfunction indicator lamp (MIL) with diagnostic trouble code (DTC) P2196, P2198, P2BF0, P2BF2, P2BF1, P2BF3, P2BEC, P2CEE, P2BED, P130D and/or P2BEF stored in the powertrain control module (PCM). There may also be an intermittent brief deceleration when cruise control is enabled. This may be due to software in the PCM. To correct the condition, follow the Service Procedure to reprogram the PCM.

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

- 2019-2020 F-150
- Built on or before 04-Jul-2020
- 2.7L EcoBoost engine
- At least one of the following conditions:
  - Illuminated MIL with DTC P2196, P2198, P2BF0, P2BF2, P2BF1, P2BF3, P2BEC, P2CEE, P2BED, P130D and/or P2BEF
  - Intermittent brief deceleration when cruise control is enabled

**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 2.7L: Retrieve DTCs And Reprogram The PCM (Do Not Use With Any Other Labor Operations)	212045A	0.3 Hrs.

**Repair/Claim Coding**

Causal Part:	RECALEM
Condition Code:	04

**Service Procedure**

1. Reprogram the PCM using the appropriate Ford scan tool at the latest software level.

**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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