



TECHNICAL SERVICE BULLETIN

3.5L PowerBoost - Disabled Pro Power Onboard Feature/Service Required Message Displayed And P0364 In The PCM

21-2229
13 July 2021

This bulletin supersedes 21-2127. Reason for update: New Part/Procedure For Same Condition

Model:

Ford 2021 F-150	Engine: 3.5L PowerBoost
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Summary

This article supersedes TSB 21-2127 to update the Issue, Action and Service Procedure statements.

Issue: Some 2021 F-150 vehicles equipped with a 3.5L PowerBoost engine may experience a disabled Pro Power Onboard feature with a Pro Power Onboard Service Required message in the center stack display and diagnostic trouble code (DTC) P0364 stored in the powertrain control module (PCM). This may be due to various software parameters within the direct current/alternating current converter module A (DCACA) inverter and the PCM. To correct the condition, follow the Service Procedure to reprogram the PCM and the DCACA inverter.

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

- 2021 F-150
- 3.5L PowerBoost engine
- Disabled Pro Power Onboard feature with a Pro Power On Board Service Required message in the center stack display
- DTC P0364 stored in the PCM

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/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 3.5L PowerBoost: Retrieve DTCs, Reprogram The PCM And DCACA Inverter (Do Not Use With Any Other Labor Operations)	212229A	0.5 Hrs.

Repair/Claim Coding

Causal Part:	RECAL
Condition Code:	04

Service Procedure

1. Reprogram the PCM using the latest software level of the appropriate Ford diagnostic scan tool.
2. Reprogram the DCACA inverter using the latest software level of the appropriate Ford diagnostic 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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