



TECHNICAL SERVICE BULLETIN

3.5L PowerBoost - Illuminated Powertrain Malfunction (Wrench) Indicator With DTC P084B In PCM

23-242919 December
2023

This bulletin supersedes 23-2363.

Model:

Ford 2021-2023 F-150	Engine: 3.5L PowerBoost
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Summary

This article supersedes TSB 23-2363 to add 2021-2022 vehicle model years, update the symptom and the causal part.

Issue: Some 2021-2023 F-150 vehicles equipped with a 3.5L PowerBoost engine may exhibit an illuminated powertrain malfunction (wrench) indicator with diagnostic trouble code (DTC) P084B stored in the powertrain control module (PCM). This may be due to the software level of the PCM. To correct this condition, perform the Service Procedure below to reprogram the PCM to the latest software level via the Ford Diagnosis and Repair System (FDRS).

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

- 2021-2023 F-150
- 3.5L PowerBoost engine
- DTC P084B stored in the PCM

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Service Part Warranty (SPW)/Service Part New Vehicle (SPNV)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/SPW/SPNV/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2021-2023 F-150 PowerBoost: Reprogram The Appropriate Modules As Required By The Software Update And Service Procedure (Do Not Use With Any Other Labor Operations)	MT232429	Actual Time

Repair/Claim Coding

Causal Part:	RECAL
Condition Code:	04

Service Procedure

1. Reprogram the PCM using the latest software level of the FDRS diagnostic scan tool. Follow all on-screen instructions carefully to complete all coordinated module software updates.

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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