TECHNICAL SERVICE BULLETIN
Reduced Engine Power On Start Up, Illuminated Malfunction Indicator Lamp (MIL) And/Or Powertrain Malfunction (Wrench) Indicator With DTC P2101 In The PCM

25-2320
16 July 2025

This bulletin supersedes 23-2364. Reason for update: update the labor times associated with the Service Procedure from M-time to fixed time and AP-time with a limit.

Model:

Ford 2022-2023 F-150	Engine: 3.5L EcoBoost/PowerBoost Built on or after 01-Oct-2022
2023 Expedition	Built on 01-Oct-2022 and through 30-Apr-2023
Lincoln 2023 Navigator	

Markets: North American markets only

Issue: Some of the vehicles listed in the Model Statement above, may exhibit an illuminated MIL and/or powertrain malfunction (wrench) indicator with DTC P2101 stored in the PCM. This may be due to the software in the PCM.

Action: For vehicles that meet all of the criteria in the Issue and Model statements, follow the service procedure to update the software in the PCM.

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Emissions Warranty/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/Emissions Warranty/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, 2023 Expedition/Navigator: Retrieve DTCs And Reprogram The PCM (Do Not Use With Any Other Labor Operation)	252320A	0.3 Hrs.
2021-2023 F-150 Hybrid: Retrieve DTCs And Reprogram The Appropriate Modules Following The Procedure.(Do Not Use With Any Other Labor Operation)	AP252320B	Actual Time Up To 0.4 Hrs.

Repair/Claim Coding

Causal Part:	RECALEM
Condition Code:	04

Service Procedure

1. Connect a battery charger such as Rotunda GRX-3590 or DCA-8000 to the 12-volt battery.

NOTE: To prevent the battery saver mode from activating on the vehicle, make sure the negative cable of the charger is installed on a chassis or engine ground, and not the 12-volt battery negative terminal. Do not have the vehicle plugged into high voltage battery charger during programming. This can cause incorrect module programming. Make sure only the 12-volt battery charger is installed.

2. 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. For F-150 vehicles equipped with a 3.5L PowerBoost engine, follow all on-screen instructions carefully to complete all required coordinated module software update(s), including:

- ABS module

- BECM
- SOBDMC

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.
