Report a Problem

TECHNICAL SERVICE BULLETIN
Various Charging System Concerns - GENVDSD PID Missing From The PCM List In FDRS

23-2154
15 May 2023

This bulletin supersedes 23-2015.

Model:

Ford 2021-2023 Bronco	Engine: 2.3L EcoBoost Engine: 2.7L EcoBoost
2021-2022 F-150	Engine: 2.7L EcoBoost Engine: 3.3L Duratec Engine: 3.5L EcoBoost Engine: 5.0L
2020-2022 Transit	Engine: 3.5L EcoBoost Engine: 3.5L Duratec

Summary

This article supersedes TSB 23-2015 to update the vehicles and vehicle model years affected.

Issue: 2021-2022 F-150 vehicles with 2.7L, 3.3L, 3.5L EcoBoost or 5.0L engines, 2020-2022 Transit vehicles with 3.5L Duratec/3.5L EcoBoost engines, 2021-2023 Bronco with the 2.3L or 2.7L engine having charging system diagnostics performed in the Workshop Manual (WSM) may experience the generator voltage desired (GENVDSD) parameter identification (PID) missing from the powertrain control module (PCM) PID list in the Ford Diagnosis And Repair System (FDRS) scan tool. This may be due to a software parameter in the PCM. To correct the condition, follow the Service Procedure to reprogram the PCM.

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

- One of the following vehicles:
  - 2021-2022 F-150 with 2.7L EcoBoost, 3.3L Duratec, 3.5L EcoBoost or 5.0L engine
  - 2020-2022 Transit with 3.5L Duratec or 3.5L EcoBoost engine
  - 2021-2023 Bronco with 2.3L EcoBoost or 2.7L EcoBoost engine
- GENVDSD PID missing from the PCM PID list in FDRS

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
2021-2022 F-150 3.3L/5.0L, 2.7L/3.5L EcoBoost, 2021-2023 Bronco 2.3L/2.7L: Reprogram The PCM (Do Not Use With Any Other Labor Operations)	232154A	0.3 Hrs.
2020-2022 Transit 3.5L EcoBoost/Duratec: Reprogram The PCM (Do Not Use With Any Other Labor Operations)	232154B	0.4 Hrs.

Repair/Claim Coding

Causal Part:	RECAL
Condition Code:	04

Service Procedure

1. Reprogram the PCM using the latest software level in the FDRS 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.