

**23-2407**08 December
2023

TECHNICAL SERVICE BULLETIN

DCACA Inverter (Minor Feature Code HUKAK) - Pro Power Onboard Unavailable Message In Center Display Screen - Diagnostic Trouble Code (DTC) B15DA:09 Stored In The Body Control Module (BCM)

Model:

Ford 2021-2022 F-150

Issue: Some 2021-2022 F-150 vehicles equipped with a direct current/alternating current converter module A (DCACA) inverter (minor feature code HUKAK) may exhibit a Pro Power Onboard Unavailable message in the vehicle center display screen with DTC B15DA:09 in the BCM. This may be due to the software level of the BCM and powertrain control module (PCM). To confirm a vehicle is built with a certain minor feature code, review the build information by double-clicking the vehicle identification number (VIN) in the upper left corner in the Professional Technician System (PTS). To correct this condition, perform the Service Procedure below to reprogram the BCM and 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:

- 2021-2022 F-150 equipped with a DCACA inverter (minor feature code HUKAK)
- DTC B15DA:09 in the BCM

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: Reprogram The Appropriate Modules As Required By The Software Update And Service Procedure (Do Not Use With Any Other Labor Operations)	MT232407	Actual Time

Repair/Claim Coding

Causal Part:	19G317
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.
2. Reprogram the BCM using the latest software level of the FDRS 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.

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.