



TECHNICAL SERVICE BULLETIN

With Red Triangle Illuminated Or Charge Status Indicator (CSI) Blinking Red With DTCs P27B4, P0A7F And/Or P0CF7

22-2495

19 December
2022

Model:

Ford 2022 F-150 Lightning

Issue: Some 2022 F-150 Lightning vehicles may exhibit an illuminated red triangle indicator lamp with diagnostic trouble codes (DTC) P27B4 in the primary drive control module (PDCM) or the CSI is blinking red with P0A7F in the battery energy control module (BECM) and/or P0CF7 in the battery charger control module (BCCM). This may be due to the software within the BCCM module. To correct the condition, follow the Service Procedure to reprogram the BCCM module.

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

- 2022 F-150 Lightning
- At least one of the following conditions:
 - Illuminated red triangle with P27B4 in the PDCM
 - CSI is blinking red with P0A7F in the BECM and/or P0CF7 in the BCCM

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
2022 F-150 Lightning: Reprogram The Appropriate Modules As Required By The Software Update And Service Procedure (Do Not Use With Any Other Labor Operations)	MT222495	Actual Time

Repair/Claim Coding

Causal Part:	10B689
Condition Code:	04

Service Procedure

1. Connect a battery charger 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 the 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 powertrain control module (PCM) using the latest software level of the Ford Diagnostic and Repair System (FDRS).

3. Check the availability of software updates on the following modules and update as required:

- (1). Secondary on-board diagnostic control module (SOBDM)
- (2). Battery energy control module (BECM)
- (3). Secondary on-board diagnostic control module B (SOBDMB)
- (4). Secondary on-board diagnostic control module C (SOBDMC)

(5). Anti-lock brake system (ABS) module

NOTE: Only one module may be updated at a time.

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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.