



TECHNICAL SERVICE BULLETIN

Illuminated Powertrain Temperature Warning Lamp With Diagnostic Trouble Code (DTC) P0A3C:94 In The SOBDMB And/Or SOBDMC

25-2446

18 September
2025

This bulletin supersedes 23-2316. Reason for update: update the Service Procedure and labor operations from M-Time to AP-Time and add a limit.

Model:

Ford 2022-2023 F-150	Lightning
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Markets: North American markets only

Issue: Some of the vehicles listed in the Model Statement above may exhibit an illuminated powertrain temperature warning lamp accompanied by a "Motor Coolant Over Temperature" message in the IPC with DTC P0A3C:94 stored in either the SOBDMB and/or the SOBDMC. This may be due to the software within either the SOBDMB and/or SOBDMC.

Action: For vehicles that meet all of the criteria in the Issue and Model statements follow the Service Procedure to update the SOBDMB and SOBDMC.

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
2022-2023 F-150 Lightning: Retrieve DTCs And Reprogram The Appropriate Modules Following The Procedure	AP252446A	Actual Time Up To 0.7 Hrs.

Repair/Claim Coding

Causal Part:	7P120
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 SOBDMB and SOBDMC using the latest software level of the FDRS scan tool. Follow all on-screen instructions carefully to complete all coordinated module software updates including:

- PCM
- ABS module
- BECM
- GFM2

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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.