



# TECHNICAL SERVICE BULLETIN

## 3.5L PowerBoost - Illuminated Engine Coolant Temperature Warning Lamp With Motor Coolant Over Temperature Message In The Instrument Panel Cluster (IPC) - DTC P0A2F:94 Stored In The SOBDMC

**23-2412**

12 December  
2023

This bulletin supersedes 23-2372.

### Model:

<b>Ford</b> 2022-2023 F-150	Engine: 3.5L PowerBoost
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### Summary

This article supersedes TSB 23-2372 to add 2022 model year vehicle applications.

**Issue:** Some 2022-2023 F-150 vehicles equipped with a 3.5L PowerBoost engine may exhibit an illuminated engine coolant temperature warning lamp with a Motor Coolant Over Temperature message in the IPC with diagnostic trouble code (DTC) P0A2F:94 stored in the secondary on-board diagnostic control module C (SOBDMC). This may be due to the software level of the SOBDMC. To correct this condition, perform the Service Procedure below to reprogram the SOBDMC 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:

- 2022-2023 F-150 equipped with a 3.5L PowerBoost engine
- Illuminated engine coolant temperature warning lamp with DTC P0A2F:94 stored in the SOBDMC

**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
2022-2023 F-150 PowerBoost: Reprogram The Appropriate Modules As Required By The Software Update And Service Procedure (Do Not Use With Any Other Labor Operations)	MT232412	Actual Time

### Repair/Claim Coding

Causal Part:	RECAL
Condition Code:	04

### Service Procedure

1. Reprogram the SOBDMC using the latest software level of the FDRS diagnostic scan tool. Follow all on-screen instructions carefully to complete all coordinated module software updates.

**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.