



# TECHNICAL SERVICE BULLETIN

## 3.5L PowerBoost - Motor Coolant Over Temperature Message In The IPC With DTC P0A2F:94 In The SOBDMC

**21-2436**

16 December  
2021

### Model:

<b>Ford</b> 2021 F-150	Engine: 3.5L PowerBoost
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**Issue:** Some 2021 F-150 vehicles equipped with a 3.5L PowerBoost engine may experience a Motor Coolant Over Temperature message in the instrument panel cluster (IPC) and diagnostic trouble code (DTC) P0A2F:94 stored in the secondary on-board diagnostic module C (SOBDMC). This may be due to software parameters in the SOBDMC. To correct the condition, follow the Service Procedure to reprogram the PCM.

**Action:** Follow the Service Procedure steps to correct the condition if the vehicle meets all of the following criteria:

- 2021 F-150
- 3.5L PowerBoost
- 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
2021 F-150 3.5L PowerBoost: Retrieve DTCs, Reprogram The PCM And Any Additional Modules Required By The Software Update (Do Not Use With Any Other Labor Operations)	212436A	0.3 Hrs.

### Repair/Claim Coding

Causal Part:	RECAL
Condition Code:	04

## Service Procedure

1. Check the PCM for software updates using the latest software level of the Ford Diagnosis and Repair System (FDRS) scan tool. Is there a software update available for the PCM?

(1). Yes - download and run the PCM - Powertrain Control Module (PCM) Software Update app.

**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.**

(2). No - this article does not apply. Refer to Workshop Manual (WSM), Section 303-14G for normal diagnostics.

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.