TECHNICAL SERVICE BULLETIN

23-2372
28 November 2023

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

Model:

Ford 2023 F-150	Engine: 3.5L PowerBoost

Issue: Some 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:

- 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
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)	MT232372	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.
