



TECHNICAL SERVICE BULLETIN

Illuminated Powertrain Malfunction (Wrench) Indicator With DTC P2797 In The SOBDMB And/Or SOBDMC

25-2080

12 March
2025

Model:

Ford 2022-2025 F-150 Lightning	Built on or before 19-Feb-2025
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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 malfunction (wrench) indicator with DTC P2797 stored in the SOBDMB and/or the SODCMC. This may be due to the software in the SOBDMB and/or the SODCMC.

Action: For vehicles that meet all of the criteria in the Issue and Model statements, follow the Service Procedure to reprogram the SOBDMB and SODCMC to the latest software.

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
2022-2025 F-150 Lightning: Retrieve DTCs And Reprogram The SOBDMB And SOBDMC Includes Time To Road Test And Retest DTCs (Do Not Use With Any Other Labor Operations)	252080A	0.8 Hrs.

Repair/Claim Coding

Causal Part:	7B012
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 SODCMC using the latest level software level of the FDRS scan tool.

3. Review Freeze Frame / Snapshot data from when DTC P2797 initially triggered. Did the "EXTERIOR_TEMP" PID read 32°F (0°C) or less when the DTC triggered?

(1). Yes - proceed to Step 4.

(2). No - Refer to the WSM, Section 302-01 for additional diagnostics outside of this article. Repair is complete.

4. Clear DTC. Road test the vehicle in conditions where the vehicle can remain above 10 mph (16 km/h) for at least 1 minute.

5. Retest DTC. Are any DTC present in the SOBDMB or SODCMC?

(1). Yes - refer to the WSM, Section 302-01 for additional diagnostics outside of this article. Repair is complete.

(2). No - repair is complete.

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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.