



TECHNICAL SERVICE BULLETIN

2.3L EcoBoost - Illuminated MIL With DTC P0456

25-2112
19 March
2025

Model:

Ford 2022-2024 Explorer	Engine: 2.3L EcoBoost
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Markets: North America market only

Issue: Some of the vehicles listed in the Model statement above may exhibit an illuminated MIL with DTC P0456 stored in the PCM. This may be due to evaporative emission system concerns and/or the software level of the PCM and has no effect on vehicle operation.

Action: For vehicles that meet all of the criteria in the Issue and Model statements, follow the Service Procedure to diagnose the evaporative emission system and reprogram the PCM to the latest software level.

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Emissions Warranty/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/Emissions Warranty/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
2022-2024 Explorer 2.3L EcoBoost: Retrieve DTCs And Reprogram The PCM (Do Not Use With Any Other Labor Operations)	252112A	0.4 Hrs.

Repair/Claim Coding

Causal Part:	RECALEM
Condition Code:	04

Service Procedure

- Using the FDRS scan tool, perform a Self-Test of the PCM. Document all DTCs present. Is P0456 present?
 - Yes - proceed to Step 2.
 - No - this article does not apply. Refer to the WSM for normal diagnostics.
- 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.
- Reprogram the PCM using the latest software level of the FDRS scan tool.

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.
- Refer to the WSM for normal diagnostics of all DTCs, including P0456, documented in Step 1. Diagnose and repair as necessary outside of this article.

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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.