



TECHNICAL SERVICE BULLETIN

2.3L/3.0L - Illuminated MIL With An Ignition System DTC - DTC Sets For Incorrect Cylinder

24-2406

22 November
2024

Model:

Ford 2021-2024 Bronco	Engine: 2.3L EcoBoost
2022-2024 Bronco	Engine: 3.0L EcoBoost Built on or before 13-Feb-2024

Markets: North American market only

Issue: Some 2022-2024 Bronco vehicles built on or before 13-Feb-2024 equipped with a 3.0L EcoBoost engine and 2021-2024 Broncos equipped with a 2.3L EcoBoost engine may exhibit an illuminated MIL with ignition system DTCs P0352, P0353, P0354, P0355, P2303, P2306, P2309, P2312, P2304, P2307, P2310, and/or P2313 set in the PCM. This may be due to incorrect cylinder to DTC mapping within the PCM. To correct the condition, follow the Service Procedure to reprogram the PCM to the latest software level via the FDRSscan tool.

Action: Follow the Service Procedure to correct the condition on vehicles that meet all of the following criteria:

- One of the follow vehicles:
 - 2021-2024 Bronco vehicles equipped with a 2.3L engine
 - 2022-2024 Bronco vehicles built on or before 13-Feb-2024 equipped with a 3.0L engine
- DTCs P0352, P0353, P0354, P0355, P0357, P2303, P2306, P2309, P2312, P2318, P2304, P2307, P2310, P2313, P2319, and/or P2322 stored in the PCM

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
2021-2024 Bronco 2.3L EcoBoost, 2022-2024 Bronco 3.0L EcoBoost: Retrieve DTCs And Reprogram The PCM (Do Not Use With Any Other Labor Operations)	242406A	0.3 Hrs.

Repair/Claim Coding

Causal Part:	RECALEM
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 PCM using the latest software level of the FDRS 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.

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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.