



TECHNICAL SERVICE BULLETIN

2.7L/3.0L - Illuminated MIL With DTC P25B4, P25B6, And/Or P0299 Stored In The PCM

24-2112
23 April 2024

Model:

Ford	Engine: 2.7L EcoBoost
2021-2023 Bronco	Engine: 3.0L EcoBoost

Markets: North American markets only

Issue: Some 2021-2023 Bronco vehicles equipped with a 2.7L or 3.0L engine may exhibit an illuminated MIL with DTC P25B4, P25B6, and/or P0299 stored in the PCM. This may be due to a loose nut on the turbo actuator arm causing an under boost condition. To correct the condition, inspect the nut on the turbo actuator arm and repair as necessary.

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

- 2021-2023 Bronco
- 2.7 or 3.0L engine
- Illuminated MIL with DTC P25B4, P25B6, and/or P0299 stored in the PCM

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Emissions Warranty/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/Emissions Warranty/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
2021-2023 Bronco 2.7L/3.0L EcoBoost: Retrieve DTCs Inspect And Tighten The Right Hand Wastegate Actuator Nut Following The Service Procedure (Do Not Use With Any Other Labor Operations)	242112A	1.1 Hrs.
2021-2023 Bronco 2.7L/3.0L EcoBoost: Retrieve DTCs Inspect And Tighten The Left Hand Wastegate Actuator Nut Following The Service Procedure (Do Not Use With Any Other Labor Operations)	242112B	1.2 Hrs.
2021-2023 Bronco 2.7L/3.0L EcoBoost: Retrieve DTCs Inspect And Tighten Both Right And Left Hand The Wastegate Actuator Nuts Following The Service Procedure (Do Not Use With Any Other Labor Operations)	242112C	1.6 Hrs.

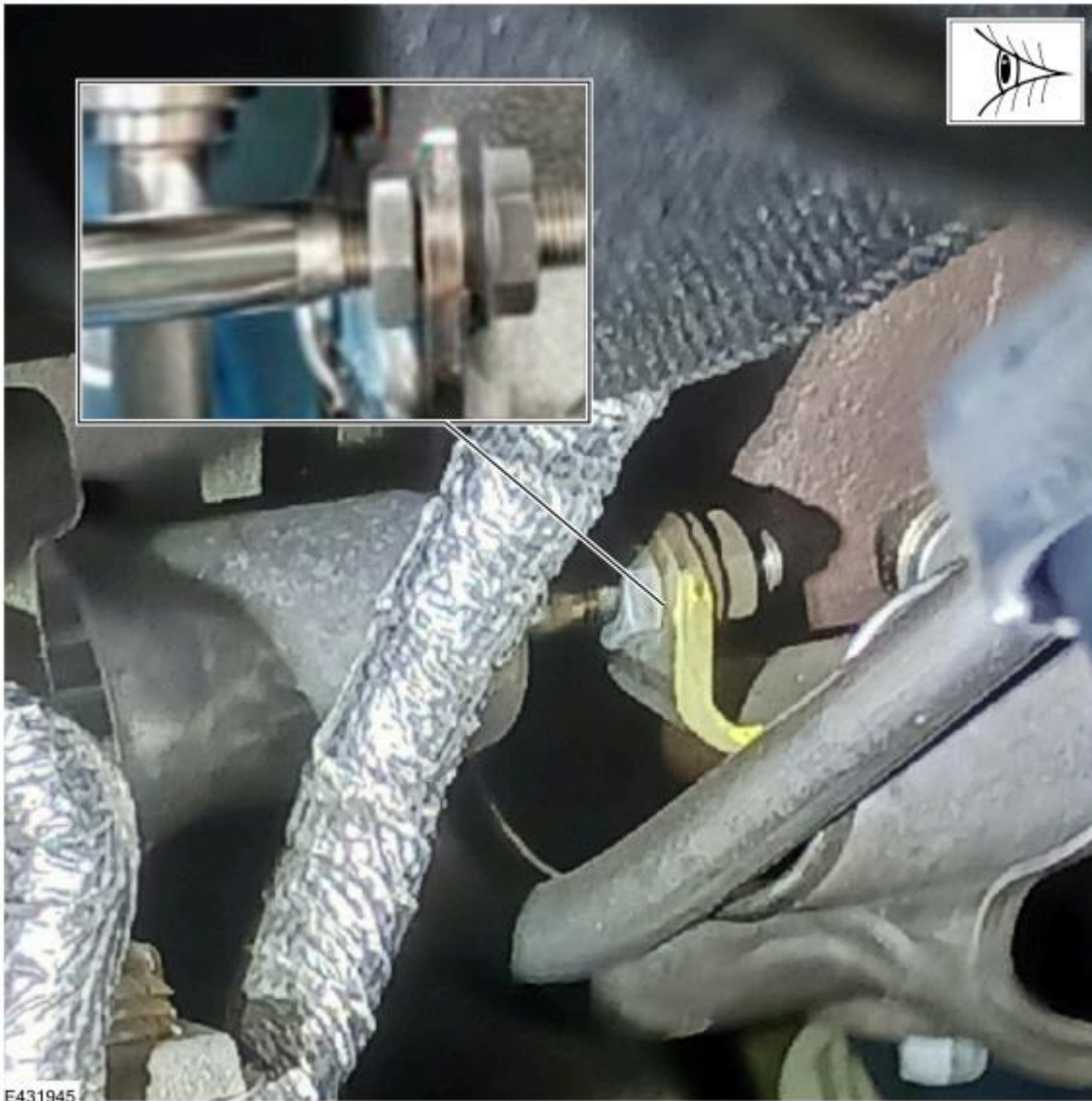
Repair/Claim Coding

Causal Part:	9G488
Condition Code:	33

Service Procedure

1. Remove the fender splash shield. Refer to [WSM](#), Section 501-02.
2. If repairing the left turbocharger, remove the heat shield.
 - (1). Tighten the bolts to 89 lb-in (10 Nm).
3. Inspect the turbo actuator arm bolt. Is the turbo actuator arm bolt loose as shown in Figure 1?

Figure 1



- (1). Yes - proceed to Step 4.
 - (2). No - this article does not apply. Refer to normal WSM diagnostics.
4. Tighten the nut. Refer to WSM, Section 303-04 Fuel Charging and Controls > Turbocharger > Removal and Installation > Wastegate Control Acuator - Installation Procedure Steps 1-8.
5. Did this correct the concern?
- (1). Yes - proceed to Step 6.
 - (2). No - refer to WSM for additional diagnostics.
6. Reassemble the vehicle by reversing Steps 1-2.

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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.