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 2021-2023 Bronco	Engine: 2.7L EcoBoost 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

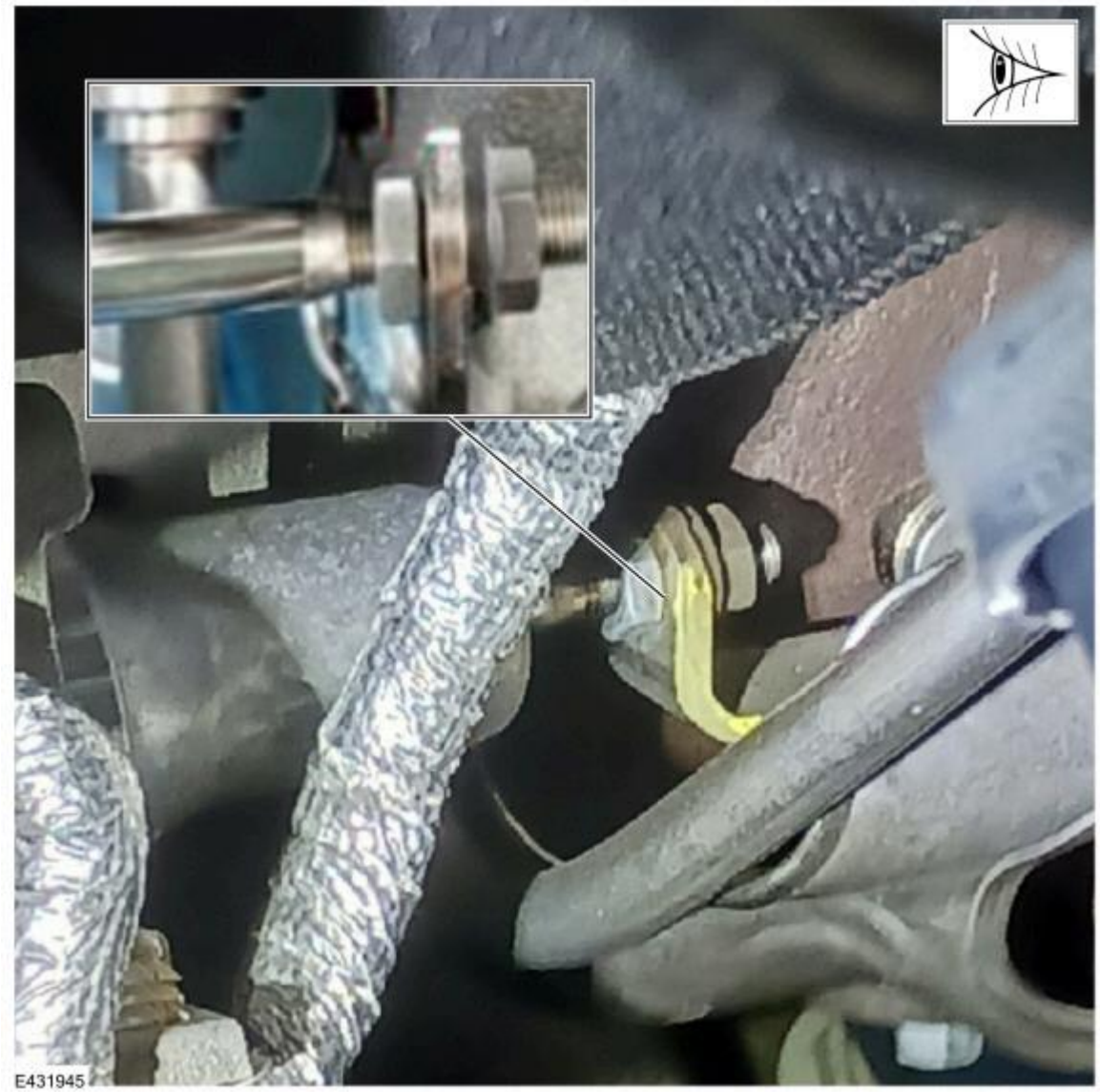
1. Remove the fender splash shield. Refer to WSM, Section 501-02.

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.