



TECHNICAL SERVICE BULLETIN

Illuminated MIL With DTCs P0011, P0012, P0014, P0015, P0016, P0017, P0018, P0019, P0021, P0022, P0024 And/Or P0025 - Built On Or Before 01-Jul-2021

21-2224

15 July 2021

Model:

Ford
2020-2021 Transit

Issue: Some 2020 Transit vehicles equipped with a 3.5L Duratec engine and all 2021 Transit vehicles built on or before 01-Jul-2021 may experience an illuminated malfunction indicator lamp (MIL) with diagnostic trouble codes (DTCs) P0011, P0012, P0014, P0015, P0016, P0017, P0018, P0019, P0021, P0022, P0024 and/or P0025. This may be due to the software in the powertrain control module (PCM). To correct the condition, perform a variable camshaft timing (VCT) cycling and reprogram the PCM.

Action: Follow the Service Procedure steps to correct the condition if the vehicle meets all of the following criteria:

- One of the following vehicles:
 - 2020 Transit equipped with a 3.5L Duratec engine
 - 2021 Transit built on or before 01-Jul-2021
- Illuminated MIL with DTCs P0011, P0012, P0014, P0015, P0016, P0017, P0018, P0019, P0021, P0022, P0024 and/or P0025

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
2020 Transit 3.5L Duratec, 2020-2021 Transit 3.5L EcoBoost: Retrieve DTCs, Perform The VCT Cycle Procedure On VCT Solenoid(s) And Reprogram The PCM (Do Not Use With Any Other Labor Operations)	212224A	0.5 Hrs.

Repair/Claim Coding

Causal Part:	6M280
Condition Code:	04

Service Procedure

1. Perform the VCT cycle procedure 10 times on the affected VCT solenoid. Refer to the Powertrain Control and Emissions Diagnosis (PC/ED) Manual, pinpoint test HK, Step HK11 for the procedure.
2. Reprogram the PCM using the latest software level of the appropriate Ford diagnostic 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.

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.