



## TECHNICAL SERVICE BULLETIN

### 2.0L EcoBoost - Illuminated MIL With DTC P04DB - Built On Or Before 22-Aug-2019

21-2340

30 September  
2021

#### Model:

<b>Ford</b> 2019 Edge	Engine: 2.0L EcoBoost
<b>Lincoln</b> 2019 Nautilus	Engine: 2.0L EcoBoost

**Issue:** Some 2019 Edge/Nautilus vehicles equipped with a 2.0L EcoBoost engine built on or before 22-Aug-2019 may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble code (DTC) P04DB stored in the powertrain control module (PCM). This may be due to various strategies within the PCM software. To correct the condition, follow the Service Procedure steps to replace the crankcase ventilation tube assembly and reprogram the PCM.

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

- 2019 Edge/Nautilus
- Built on or before 22-Aug-2019
- 2.0L EcoBoost engine
- Illuminated MIL with only DTC P04DB

**NOTE:** Part quantity refers to the number of that service part number required, which may be different than the number of individual pieces. Service part numbers contain 1 piece unless otherwise stated. "As Needed" indicates the part is required but the number may vary or is not a whole number; parts can be billed out as non-whole numbers, including less than 1.

#### Parts

Service Part Number	Quantity	Description
K2GZ-6758-H	1	Crankcase Ventilation Tube
3U2Z-14A088-AB	1	Motorcraft® Wire Heat Shrink Kit
NAI837X	As Needed	Coroplast Electrical Wire Harness Tape (Rotunda Part Number)

**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	Time
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2019 Edge/Nautilus 2.0L EcoBoost: Retrieve DTCs, Replace The Crankcase Ventilation Tube Assembly And Reprogram The PCM Includes Time Remove CKCP Electrical Connector (Do Not Use With Any Other Labor Operations)	No. 212340A	0.7 Hrs.
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### Repair/Claim Coding

Causal Part:	6758
Condition Code:	42

### Service Procedure

1. Remove and discard the crankcase ventilation tube assembly. Refer to Workshop Manual (WSM), Section 303-08A.
2. Cut the crankcase pressure (CKCP) sensor electrical wires approximately 2.5 cm (1 in.) away from the CKCP sensor and discard the hard shell from the harness side.
3. Apply heat shrink tube to the ends of the 3 harness side wires to cap the wires.
4. Tape the harness wires back to the harness.
5. Install the new crankcase ventilation tube assembly using the permanent connection tabs. Refer to WSM, Section 303-08A.
6. Reprogram the PCM using the latest version of the appropriate Ford diagnostic scan tool.

**NOTE: Advise the customer that 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.