



TECHNICAL SERVICE BULLETIN

3.0L (Lion) - Illuminated MIL With DTC's

P0671/P0672/P0673/P0674/P0675/P0676, P066A/C/E, P067A/C/E Or P06B9/P06BA/BC/BD/BE

23-2173

20 July 2023

This bulletin supersedes 51413. Reason for update: New Part/Procedure For Same Condition

Model:

Ford 2022 Everest	Build Date: Up to 17 January 2023 Assembly Plant: AAT- RAYONG ASSEMBLY PLT-LS (AAGDZ) Engine: 3.0L 4V DOHC V6 TC DSL-LION B (EN BF) (R)
2022 Ranger	Build Date: Up to 17 January 2023 Assembly Plant: AAT- RAYONG ASSEMBLY PLT-LS (AAGDZ) Engine: 3.0L 4V DOHC V6 TC DSL-LION B (EN BF) (R) Engine: 3.0L 4V DOHC V6 TC DSL-LION B (EN BF) (R)
2022 Ranger	Build Date: Up to 17 January 2023 Assembly Plant: THAILAND LTD PLANT BUILD (AAGB7) Engine: 3.0L 4V DOHC V6 TC DSL-LION B (EN BF) (R) Engine: 3.0L 4V DOHC V6 TC DSL-LION B (EN BF) (R)
2023 Everest	Build Date: Up to 17 January 2023 Assembly Plant: AAT- RAYONG ASSEMBLY PLT-LS (AAGDZ) Engine: 3.0L 4V DOHC V6 TC DSL-LION B (EN BF) (R)
2023 Ranger	Build Date: Up to 17 January 2023 Assembly Plant: AAT- RAYONG ASSEMBLY PLT-LS (AAGDZ) Engine: 3.0L 4V DOHC V6 TC DSL-LION B (EN BF) (R)
2022-2023 Ranger	Assembly Plant: SILVERTON(S.AFRICA)PLANT BLD (AAGBQ) Engine: 3.0L 4V DOHC V6 TC DSL-LION B (EN BF) (R)

Issue: Some 2022-2023 Ranger/Everest vehicles (see applicable vehicles above) equipped with a 3.0L (Lion) engine, may exhibit an illuminated Malfunction Indicator Lamp (MIL) with one or more of the following Diagnostic Trouble Codes (DTC's): P0671/P0672/P0673/P0674/P0675/P0676, P066A/P066C/P066E, P067A/P067C/P067E or P06B9/P06BA/P06BC/P06BD/P06BE.

Action: Should a vehicle present with this concern, technicians are advised to refer to the Service Procedure below.

Parts

Service Part Number	Quantity	Description
JL3Z 6731-A	1	Oil Filter Assembly
JL3Z 6A785-A	1	Crankcase Vent Oil Separator
4S7Z 6870-A	2	Gasket - Crankcase Vent Oil Separator
MB3Z 6A664-C	1	Crankcase Vent Tube
MB3Z 9E464-B	1	EGR Tube Outlet Gasket
MB3Z 9E464-A	1	EGR Tube Outlet Gasket
7T4Z 8527-A	1	Engine Coolant Tube O-ring
4S7Z 9E936-A	2	Inlet Manifold Gasket
MB3Z 12A342-A	6	Glow Plug

Labor Times

Description	Operation No.	Time
Connect the Ford Diagnostic and Repair System (FDRS) to the vehicle and check for	232173A	0.2

DTC's		Hrs.
Replace ALL 6 glow plugs	232173B	3.0 Hrs.
Reprogram the Glow Plug Module (GPM) to the latest service calibration using FDRS release 35.5.5 or higher	232173C	0.3 Hrs.
Reprogram the Powertrain Control Module (PCM) to the latest service calibration using FDRS release 35.5.5 or higher	232173D	0.3 Hrs.
Road test the vehicle and ensure correct operation	232173E	0.4 Hrs.

Repair/Claim Coding

Causal Part:	12B533
Condition Code:	04

PDR Table

PDR Code	Description	Time
TSB232173	Connect the Ford Diagnostic and Repair System (FDRS) to the vehicle and check for DTC's, Replace ALL 6 glow plugs, Reprogram the Glow Plug Module (GPM) and Powertrain Control Module (PCM) to the latest service calibration using FDRS release 35.5.5 or higher, Road test the vehicle and ensure correct operation	4.2 Hrs.

Service Procedure

1. Connect the Ford Diagnostic and Repair System (FDRS) to the vehicle and check for DTC's. Is one or more of the following DTC's logged? P0671/P0672/P0673/P0674/P0675/P0676, P066A/P066C/P066E, P067A/P067C/P067E or P06B9/P06BA/P06BC/P06BD/P06BE

(1). No - this article does not apply, refer to the Workshop Manual (WSM) for normal diagnosis/repair.

(2). Yes - proceed to Step 2.

2. Replace ALL 6 glow plugs. For additional information refer to WSM Section 303-07D.

3. Reprogram the Glow Plug Module (GPM) to the latest service calibration using FDRS release 35.5.5 or higher.

4. Reprogram the Powertrain Control Module (PCM) to the latest service calibration using FDRS release 35.5.5 or higher.

5. Road test the vehicle and ensure correct operation.

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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