



TECHNICAL SERVICE BULLETIN

Illuminated MIL With DTC P2C90 Stored In The PCM

24-240525 November
2024

This bulletin supersedes 24-2200. Reason for update: add 3.5L EcoBoost and 5.2L engine

Model:

Ford	3.5L PowerBoost engine with vehicle built on or before 14-May-2024
2024 F-150	3.5L EcoBoost or 5.2L engine

Markets: North American markets only

Issue: Some 2024 F-150 vehicles built on or before 14-May-2024 equipped with a 3.5L PowerBoost engine and 2024 F-150 vehicles equipped with a 3.5L EcoBoost or 5.2L engine may exhibit an illuminated MIL with DTC P2C90 stored in the PCM. To correct this condition, perform the Service Procedure to inspect the PCV system and reprogram the PCM to the latest software level via the FDRS.

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

- One of the following vehicles:
 - 2024 F-150 built on or before 14-May-2024 equipped with 3.5L PowerBoost engine
 - 2024 F-150 equipped with 3.5L EcoBoost or 5.2L engine
- DTC P2C90 stored in the PCM

Parts - Parts To Inspect And Replace Only If Necessary

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
RL3Z-6758-A	1	1	1	PCV Tube Assembly (3.5L EcoBoost/PowerBoost engine)
NR7Z-6758-A	1	1	1	PCV Tube Assembly (5.2L engine)

Claim Quantity refers to the total number of individual pieces required to repair the vehicle.

Package Order Quantity refers to the amount of the service part number package(s) required to repair the vehicle.

Number In Package refers to the number of individual pieces included in a service part number package.

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Emissions Warranty/Service Part Warranty (SPW)/Service Part New Vehicle (SPNV)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/Emissions Warranty/SPW/SPNV/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2024 F-150 3.5L PowerBoost/EcoBoost and 5.2L: Retrieve DTCs, Inspect PCV System Reprogram The PCM (Do Not Use With Any Other Labor Operations Outside Of This Article)	242405A	0.4 Hrs.
2024 F-150 3.5L PowerBoost/EcoBoost and 5.2L: Additional Time To Perform Pinpoint Tests And Repair PCV System (Can Be Claimed With Operation A)	MT242405	Actual Time

Repair/Claim Coding

Causal Part:	RECALEM
Condition Code:	04

Service Procedure

1. Perform a visual inspection of the PCV system. Refer to the WSM, Section 303-08 Engine Emission Control, Diagnosis and Testing, Crankcase Ventilation, Pinpoint Test HG, Step HG2. Is a concern present with the PCV system based on the visual inspection?

(1). Yes - repair as necessary. Proceed to Step 2.

(2). No - proceed to Step 2.

NOTE: Modifications or aftermarket components added to the PCV and or air intake systems installed on the vehicle can cause inaccurate diagnostic results. Refer to Section 3 of the Warranty and Policy Manual for warranty coverages.

2. Connect a battery charger such as Rotunda GRX-3590 or DCA-8000 to the 12-volt battery.

NOTE: To prevent the battery saver mode from activating on the vehicle, make sure the negative cable of the charger is installed on a chassis or engine ground, and not the 12-volt battery negative terminal. Do not have the vehicle plugged into a high voltage battery charger during programming. This can cause incorrect module programming. Make sure only the 12-volt battery charger is installed.

3. Reprogram the PCM using the latest level software level of the FDRS scan tool. Follow all on-screen instructions carefully to complete all coordinated module software updates.

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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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.