



TECHNICAL SERVICE BULLETIN

24-2148

6.7L - Illuminated MIL With DTCs P2201, P2209, P220E and/or P24FE Stored In The PCM - Built On Or Before 15-Nov-2022

20 May 2024

Model:

Ford 2021-2023 F-650/F-750	Engine: 6.7L Built on or before 15-Nov-2022
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Markets: North American markets only

Issue: Some 2021-2023 F-650/F-750 vehicles built on or before 15-Nov-2022 and equipped with a 6.7L engine may exhibit an illuminated MIL with DTC P2201, P2209, P220E and/or P24FE stored in the PCM. This may be due to the software in the PCM and the NOX11. To correct the condition, follow the Service Procedure to replace the NOX11 and reprogram the PCM and TCM.

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

- 2021-2023 F-650/F-750
- Built on or before 15-Nov-2022
- 6.7L diesel engine
- Illuminated MIL with DTC P2201, P2209, P220E and/or P24FE stored in the PCM

Parts

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
LC4Z-5L248-B	1	1		NOx Sensor

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 F-650/F-750 Duty 6.7L: Retrieve DTCs Replace The NOx Sensor 11 And Reprogram The PCM And TCM (Do Not Use With Any Other Labor Operations)	242148A	1.2 Hrs.

Repair/Claim Coding

Causal Part:	RECALEM
Condition Code:	04

Service Procedure

1. Replace the NOX11. Refer to WSM, Section 303-14.
2. Reprogram the PCM and TCM using the latest software level of the IDS scan tool.
3. Download and run the "PCM - Diesel Particulate Filter (DPF) Regeneration" application via navigating to Toolbox menu in FDRS and follow the on screen prompts.

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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