



TECHNICAL SERVICE BULLETIN

6.7L - Illuminated MIL With DTCs U029D And/Or P2209

18-2365
18 February
2019

This bulletin supersedes 18-2100. Reason for update: Concern Carryover to New Model

Model:

Ford 2017-2019 F-Super Duty

Summary

This article supersedes TSB 18-2100 to update the vehicles affected.

Issue: Some 2017-2019 F-Super Duty vehicles equipped with a 6.7L engine may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble codes (DTCs) U029D and/or P2209 in the powertrain control module (PCM). This may be due to water intrusion.

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

- 2017-2019 F-Super Duty
- 6.7L engine
- DTCs U029D and/or P2209 stored in the PCM

Parts

Part Number	Description	Quantity
HC3Z-5L248-A	Nitrogen Oxides (NOx) Sensor Module 11	1
14406	Wiring Harness - Refer To The Parts Catalogue For The VIN Specific Application	1
95875-S100	Securing Strap	4
W717460-S300	Trim Pin	2

Warranty Status: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2017-2019 F-Super Duty 6.7L: Retrieve DTCs, Inspect Harness And Module For Moisture/Corrosion, And Replace The NOx Sensor Module And Harness (Do Not Use With Any Other Labor Operations)	182365A	1.5 Hrs.

Repair/Claim Coding

Causal Part:	14406
Condition Code:	49

Tool List

Drive	Tool Name
3/8"	Ratchet
3/8"	Torque Wrench
3/8"	7/8 Standard H02 Socket
	Pocket Screwdriver

Drive	Tool Name
	Trim Tool

Service Procedure

1. Disconnect the nitrogen oxides (NOx) sensor module 11 and inspect for moisture or corrosion on the pins of the sensor or the wiring harness. Are there any signs of moisture or corrosion present? (Figures 1-2)

(1). Yes - replace the NOx sensor module 11. Refer to Workshop Manual (WSM), Section 303-14. Proceed to Step 2.

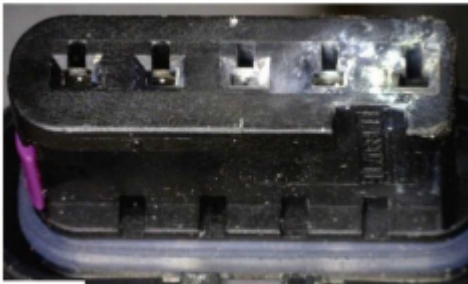
(2). No - this article does not apply. Refer to the PC/ED Manual for normal diagnostics.

Figure 1



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Figure 2



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2. Replace the 14406 wire harness assembly. Refer to Wiring Diagram, Cell 152, component location charts.

(1). To assist in the removal of the existing harness and installation of the replacement harness, mark the location of the plastic channel that goes around the third body mount from the front of the vehicle, then remove the harness. This will allow the harness to be routed from behind the second body mount from the front of the vehicle. (Figure 3)

Figure 3



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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.