

**TECHNICAL SERVICE BULLETIN****18-2100****6.7L - Illuminated Malfunction Indicator Lamp (MIL) - DTC U029D And/Or P2209**23 March
2018

This bulletin supersedes 17-0022. Reason for update: Add Production Fix Date

Model:

Ford 2017 F-Super Duty

Summary

This article supersedes TSB 17-0022 to update the production fix date, article title, and issue statement.

Issue: Some 2017 F-Super Duty vehicles equipped with a 6.7L engine may exhibit an illuminated MIL with diagnostic trouble code (DTC) 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.

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 F-Super Duty 6.7L: Retrieve DTCs, Inspect And Replace The NOx Sensor Module And Harness (Do Not Use With Any Other Labor Operations)	182100A	1.5 Hrs.

Repair/Claim Coding

Causal Part:	14406
Condition Code:	49

Service Procedure

1. Connect the Ford Integrated Diagnostic System (IDS) or equivalent scan tool to the data link connector (DLC). Check for DTCs. Is U029D and/or P2209 stored in the PCM?
 - (1). Yes – proceed to Step 2.
 - (2). No - this article does not apply. Refer to the Powertrain Control/Emissions Diagnosis (PC/ED) Manual for normal diagnostics.

2. Disconnect the nitrogen oxides (NOx) sensor module 11 and inspect for moisture or corrosion on the pins of the harness and module. Is there any sign 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 3.

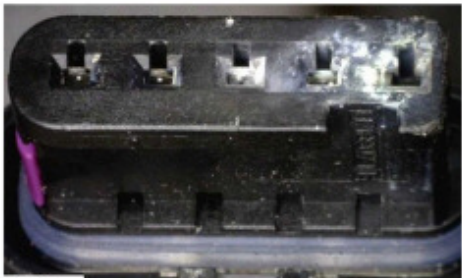
(2). No - this article does not apply. Refer to the PC/ED Manual for normal diagnostics.

Figure 1



E278127

Figure 2



E278128

3. 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



E278129

© 2018 Ford Motor Company
All rights reserved.

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.