6.7L - ILLUMINATED MALFUNCTION INDICATOR LAMP (MIL) - DTC U029D AND/OR P2209 - BUILT ON OR BEFORE 19-DEC-2016	TSB 17-0022

FORD:

2017 F-Super Duty

ISSUE

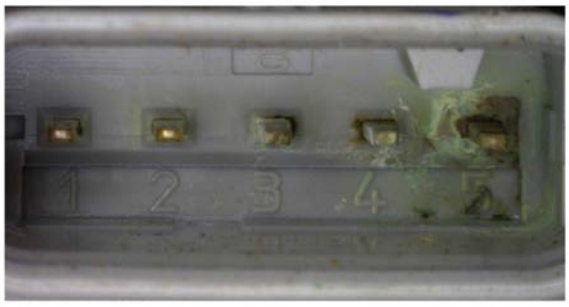
Some 2017 F-Super Duty vehicles equipped with a 6.7L engine and built on or before 19-Dec-2016 may exhibit an illuminated MIL with diagnostic trouble code (DTC) U029D and/or P2209 in the powertrain control module (PCM) memory. This may be due to water intrusion.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Check the vehicle build date. Was the vehicle built on or before 19-Dec-2016?
   a. Yes - proceed to Step 2.
   b. No - this article does not apply. Refer to the Powertrain Control/Emissions Diagnosis (PC/ED) manual for normal diagnostics.
2. Connect the Ford Integrated Diagnostic System (IDS) service tool or equivalent scan tool to the data link connector (DLC). Check for DTCs. Is U029D and/or P2209 stored in the PCM memory?
   a. Yes - proceed to Step 3.
   b. No - this article does not apply. Refer to the PC/ED manual for normal diagnostics.
3. Disconnect the 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 and 2)



TB11038A

Figure 1 - Article 17-0022

NOTE: The information contained 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, Lincoln, or Mercury 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 supercede this information with updates.The most recent information is available through Ford Motor Company's on-line technical resources.

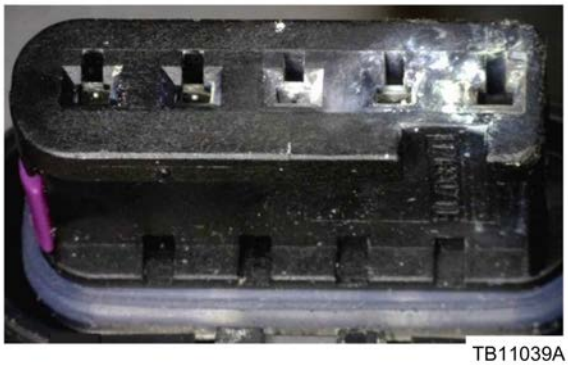


Figure 2 - Article 17-0022

a. Yes - replace the NOx sensor module 11. Refer to Workshop Manual (WSM), Section 303-14. Proceed to step 4.

b. No - this article does not apply. Refer to the PC/ED manual for normal diagnostics.

4. Replace the 14406 wire harness assembly. Refer to Wiring, 152-1 component location charts.

   a. 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 3rd body mount from the front of the vehicle and remove it. This will allow the harness to be routed from behind the 2nd body mount from the front of the vehicle. (Figure 3)

Figure 3 - Article 17-0022

PART NUMBER	PART NAME
HC3Z-5L248-A	Nitrogen Oxides Sensor Module 11
14406	Wiring Harness - See Parts Catalog For Application
95875-S100	Tie Strap - (4 Required)
W717460-S300	Nitrogen Oxides Sensor Module Retainer - (2 Required)

OPERATION	DESCRIPTION	TIME
170022A	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)	1.5 Hrs.

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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
14406	49