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)

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 supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.

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)

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**PART NUMBER** | **PART NAME**
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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**
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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.
<table>
<thead>
<tr>
<th>BASIC PART NO.</th>
<th>CONDITION CODE</th>
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<tbody>
<tr>
<td>14406</td>
<td>49</td>
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