



**18-2133**  
09 May 2018

# TECHNICAL SERVICE BULLETIN

## Illuminated Water In Fuel (WIF) Indicator - Diagnostic Trouble Codes (DTCs) P1140, P2266 And/Or P2269 - Built On Or Before 15-Mar-2018

### Model:

<b>Ford</b> 2017-2018 F-Super Duty
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**Issue:** Some 2017-2018 F-Super Duty vehicles equipped with a 6.7L diesel engine built on or before 15-Mar-2018 may exhibit an illuminated WIF indicator with DTCs P1140, P2266 and/or P2269 stored in the powertrain control module (PCM). This may be due to water intrusion into connector C3080 at the WIF sensor.

**Action:** Follow the Service Procedure steps to correct the condition.

### Parts

Part Number	Description	Quantity
HC3Z-9T321-B	Water in Fuel (WIF) Sensor	1
NAI837X	Rotunda Coroplast Electrical Wire Harness Tape Or Equivalent	1

**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
2017-2018 Super Duty 6.7L: Retrieve DTCs Check WIF Sensor Resistance (Passes) Inspect Connector Includes Time To Dry And Tape harness If Necessary Perform Fuel System Low Side Procedure (Do Not Use With Any Other Labor Operations)	182133A	0.4 Hrs.
2017-2018 Super Duty 6.7L: Retrieve DTCs Check WIF Sensor Resistance (Fails) Replace WIF Sensor Inspect Connector Includes Time To Dry And Tape harness If Necessary Perform Fuel System Low Side Procedure (Do Not Use With Any Other Labor Operations)	182133B	0.6 Hrs.

### Repair/Claim Coding

Causal Part:	14405
Condition Code:	42

### Tool List

Pick Tool
Multimeter

### Service Procedure

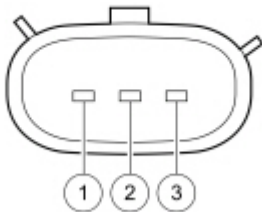
1. Connect the appropriate Ford scan tool or equivalent to the data link connector (DLC) and check for DTCs. Are P1140, P2266 and/or P2269 stored in the PCM?

(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. Check the WIF sensor resistance. The WIF sensor is located at the rear of the vehicle between the fuel tank and the frame rail. Is the resistance between pins 1 and 2 of the sensor between 795 kOhms and 815 kOhms? (Figure 1)
- (1). Yes - proceed to Step 4.
  - (2). No - proceed to Step 3.

Figure 1



E281359

3. Replace the WIF sensor. Refer to Workshop Manual (WSM), Section 310-01C.
4. Inspect for signs of moisture in the WIF sensor connector. Is moisture present?
- (1). Yes - proceed to Step 5.
  - (2). No - proceed to Step 6.
5. Dry the connector using low pressure shop air. Do not exceed 175 kPa (25 psi).
6. Tape the rear of the connector, extending to the wiring convolute using Rotunda Coroplast Electrical Wire Harness Tape or equivalent. (Figure 2)

Figure 2



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7. Using the appropriate Ford scan tool, perform the Fuel System - Low Pressure Side procedure.
- (1). Select the tool box tab > Service Functions > Reset/Clear Specified Functions > Reset/Clear Functions > Fuel System - Low Pressure Side.
8. Clear the DTCs.

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