

**6.7L - ILLUMINATED MALFUNCTION INDICATOR LAMP (MIL) WITH
DIAGNOSTIC TROUBLE CODE (DTC) P20E8 - BUILT ON OR BEFORE 20-
DEC-2016****TSB 17-0058****FORD:**

2016-2017 F-650, F-750

ISSUE

Some 2016-2017 F-650/750 vehicles built on or before 20-Dec-2016 and equipped with a 6.7L engine may exhibit an illuminated MIL with diagnostic trouble code (DTC) P20E8 in the powertrain control module (PCM) memory. This may be due to air that is trapped in the reductant pump and heater assembly not allowing the system to build adequate fluid pressure.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Connect the Ford Integrated Diagnostic System (IDS) service tool or equivalent scan tool to the data link connector (DLC). Check for DTCs. Is P20E8 the only DTC stored in the PCM memory?
 - 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. Replace the reductant pump and heater assembly. Refer to Workshop Manual (WSM), Section 303-08.
3. Clear all DTCs.
4. Prime the new reductant pump and heater as follows:
 - a. Disconnect the reductant pressure line from the reductant injector and place the line in a clean suitable container. Refer to WSM, Section 303-08.
 - b. Using IDS, perform the selective catalytic reduction (SCR) visual leak check by selecting Toolbox > Powertrain > Service Functions > SCR system > SCR visual leak check. Run the test for two minutes.
 - c. Connect the reductant pressure line to the reductant injector. Refer to WSM, Section 303-08.
 - d. Perform SCR visual leak check to verify no leaks are present.

PART NUMBER	PART NAME
HC3Z-5J229-B	Reductant Pump and Heater Assembly - (1 Req)
W520803-S439	Tank Strap Nut - (4 Req)
W503300-S450	Tank Strap Bolt - (4 Req)
PM-27-JUG	Motorcraft® Diesel Exhaust Fluid (DEF) 2.5 Gallon Container - (2 Req)

OPERATION	DESCRIPTION	TIME
170058A	2016-2017 F-650/750 6.7L: Retrieve DTCs, Replace And Prime The Reductant Pump And Heater (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

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DEALER CODING

BASIC PART NO.	CONDITION CODE
5J229	42