



TECHNICAL SERVICE BULLETIN

6.7L Diesel - Block Heater Inoperative And/Or Tripping Electrical Breaker/GFCI Outlet - Built On Or Before 24-Oct-2017

18-2116

17 April 2018

Model:

Ford
2017 F-Super Duty

Issue: Some 2017 F-Super Duty vehicles equipped with a 6.7L diesel engine built on or before 24-Oct-2017 may exhibit an inoperative block heater. This can also result in tripping an electrical breaker or a ground fault circuit interrupter (GFCI) outlet. This may be due to water intrusion into the block heater power cord inline connector.

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

Parts

Part Number	Description	Quantity
HC3Z-6B018-A	Block Heater Power Cable	1
XG-12	Motorcraft® Electrical Grease	1

Warranty Status: Eligible Under Provisions Of New Vehicle Limited 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: Inspect And Replace The Block Heater Power Cable Includes Time To Grease Connector If Necessary (Do Not Use With Any Other Labor Operations)	182116A	0.7 Hrs.

Repair/Claim Coding

Causal Part:	6B018
Condition Code:	42

Tool List

Drive	Tool Name
1/4"	Ratchet
1/4"	Power Tool
1/4"	5.5 mm Socket
1/4"	7 mm Socket
1/4"	3" Extension
3/8"	Power Tool
3/8"	Ratchet
3/8"	Torque Wrench
3/8"	Torx® T30
1/2"	Power Tool
1/2"	21 mm Socket
1/2"	Torque Socket AccuTorq

Drive	Tool Name
	Trim Tool

Service Procedure

1. Inspect the block heater power cable inline connector for signs of water intrusion. The connector is located directly behind the right side bumper and can be accessed from under the vehicle. (Figure 1)

Figure 1



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2. Is there evidence of water inside the connector?

(1). Yes - proceed to Step 3.

(2). No - this article does not apply. Refer to Workshop Manual (WSM), Section 303-03C for normal diagnostics.

3. Remove the right front fender splash shield. Refer to WSM, Section 501-02.

4. Replace the block heater power cable. Inspect the new block heater power cable for electrical grease within the inline connector. Is there electrical grease present? (Figures 2 - 3)

(1). Yes - proceed to Step 6.

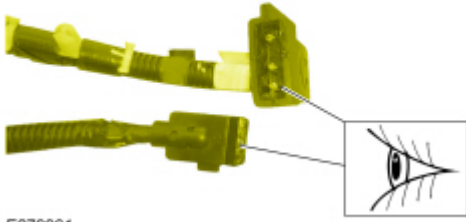
(2). No - proceed to Step 5.

Figure 2



E279956

Figure 3



E279961

5. Fill the inline connector of the new power cable with Motorcraft® Electrical Grease or equivalent.
6. Install the new block heater power cable; following the routing of the old power cable.
7. To install the right front fender splash shield, reverse the removal procedure.

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