



TECHNICAL SERVICE BULLETIN

6.7L - Primary Coolant Pump Leak - Built On Or Before 1-Jun-2017

18-2325
23 October
2018

This bulletin supersedes 18-2240. Reason for update: Incorrect or Missing Parts

Model:

Ford 2015-2017 F-Super Duty

Summary

This article supersedes TSB 18-2240 to update Service Procedure and the Parts List.

Issue: Some 2015-2017 F-Super Duty vehicles equipped with a 6.7L engine built on or before 1-Jun-2017 may exhibit a leak from the primary coolant pump.

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

Parts

Part Number	Description	Quantity
HC3Z-8501-A	Primary Coolant Pump (2017 F-Super Duty)	1
BC3Z-8501-A	Primary Coolant Pump (2015-2016 F-Super Duty)	1
VC-3DIL-B	Motorcraft® Orange Prediluted Antifreeze/Coolant (All Markets Except Canada)	8
CVC-3DIL-B	Motorcraft® Orange Prediluted Antifreeze/Coolant (Canada Only)	8
VC-13DL-G	Motorcraft® Yellow Prediluted Antifreeze/Coolant (All Markets Except Canada)	8
CVC-13DL-G	Motorcraft® Yellow Prediluted Antifreeze/Coolant (Canada Only)	8

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
2015-2017 F-Super Duty 6.7L: Diagnose And Replace The Primary Coolant Pump (Do Not Use With Any Other Labor Operations)	182325A	3.1 Hrs.

Repair/Claim Coding

Causal Part:	8501
Condition Code:	D8

Tool List

Drive	Tool Name
1/4"	Power Tool
1/4"	Ratchet
1/4"	Torque Wrench
1/4"	7 mm Socket
1/4"	8 mm Socket
1/4"	10 mm Socket

Drive	Tool Name
3/8"	Power Tool
3/8"	Ratchet
3/8"	Torque Wrench
3/8"	13 mm Socket
	8 mm Ratchet Wrench
	Metal Push Pin Tool
	Motion Pro Torque Adapter

Service Procedure

NOTE: Some 2017 F-Super Duty vehicles that operate in colder climates may be using Motorcraft Yellow Antifreeze/Coolant. If Motorcraft Yellow Antifreeze/Coolant is found in the vehicle, service with the same coolant.

1. Allow the engine to cool before checking the engine coolant level. Visually inspect the engine coolant level at the degas bottle. Is the engine coolant level low?

(1). Yes - proceed to Step 2.

(2). No - this article does not apply. Refer to Powertrain Controls/Emissions Diagnosis (PC/ED) Manual or Workshop Manual (WSM), Section 303-03C for normal diagnostics.

2. Visually inspect the engine coolant for contamination. Is the engine coolant contaminated?

NOTE: Engine coolant system flushing is not required during coolant pump removal and installation. During normal vehicle operation, Motorcraft® Orange Prediluted Antifreeze/Coolant may change color from orange to pink or light red. As long as the engine coolant is clear and uncontaminated, this color change does not indicate the engine coolant has degraded nor does it require the engine coolant to be drained and replaced or the cooling system to be flushed.

(1). Yes - this article does not apply. Refer to WSM, Section 303-03C.

(2). No - proceed to Step 3.

3. Perform a pressure test of the engine cooling system. Refer to Component Tests, Cooling System Pressure Test located in Diagnosis and Testing of WSM, Section 303-03C. Does the vehicle exhibit a primary coolant leak at the coolant pump?

(1). Yes - proceed to Step 4.

(2). No - this article does not apply. Refer to PC/ED Manual or WSM for normal diagnostics.

4. Replace the primary coolant pump. Refer to WSM, Section 303-03C.

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