



TECHNICAL SERVICE BULLETIN

2.7L EcoBoost - Oil Pan Leaking, Original Replacement Pan Not Available

23-2330

21 February
2024

This bulletin supersedes 23-2083.

Model:

Ford 2015-2017 F-150	Engine: 2.7L EcoBoost
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Summary

This article supersedes TSB 23-2083 to update the Service Procedure and the Part List.

Issue: Some 2015-2017 F-150 vehicles equipped with a 2.7L EcoBoost engine may exhibit an oil leak from the oil pan RTV seal. This may be due to various concerns with the oil pan. To correct the condition, follow the Service Procedure to replace the oil pan with the later style oil pan.

Action: Follow the Service Procedure to correct the condition on vehicles that meet all of the following criteria:

- 2015-2017 F-150
- 2.7L EcoBoost engine
- Oil leak from the oil pan RTV seal

Parts

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
JT4Z-6675-E	1	1	1	Engine Oil Pan
FT4Z-6582-F	1	1	1	Left Valve Cover
FT4Z-6582-G	1	1	1	Right Valve Cover
1X4Z-9E936-AA	1	1	1	Throttle Body Gasket
W520113-S440	4	1	4	Stabilizer Bar Bracket Nuts
W715798-S437	1	1	4	Transmission Fluid Cooler Tube Bracket Stud Bolt
7L1Z-7J227-A	4	2	2	Transmission Fluid Cooler Tube O-Rings
FT4Z-6626-A	1	1	1	Oil Pump Gasket
FT4Z-6731-A	1	1	1	Oil Filter
FT4Z-6840-B	2	1	2	Lower Oil Filter Gasket
FT4Z-6840-C	1	1	1	Upper Oil Filter Gasket
W712723-S441	2	1	4	Front Axle Mounting Nuts
W716700-S442	1	1	4	Front Axle Mounting Nuts
W712724-S439	2	1	4	Front Axle Mounting Bolts
W712743-S439	1	1	4	Front Axle Upper Mounting Bolt
W716530-S440	2	1	4	Right Engine Mount Nut
W715211-S439	1	1	4	Left Engine Mount Bolt
XO-5W20-Q1SP		As Needed		Motorcraft® SAE 5W-20 Synthetic Blend Motor Oil (All Markets Except Canada)

CXO-5W20-LSP6		As Needed		Motorcraft® SAE 5W-20 Super Premium Motor Oil (Canada Only)
VC-13-G		As Needed		Motorcraft® Yellow Concentrated Antifreeze/Coolant (All Markets Except Canada)
CVC-13-G		As Needed		Motorcraft® Yellow Concentrated Antifreeze/Coolant (Canada Only)

Parts - Parts To Inspect And Replace Only If Necessary

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
W718748-S450B	2	If Needed	4	Engine Appearance Cover Mounting Stud

Quantity refers to the amount of the service part number required to repair the vehicle.

Unit of Issue refers to the number of individual pieces included in a service part number package.

Piece Quantity refers to the total number of individual pieces required to repair the vehicle.

As Needed indicates the amount of the part may vary and/or is not a whole number. Parts can be billed out as non-whole numbers, including less than 1.

If Needed indicates the part is not mandatory.

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/SPW/SSP/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-150 4X2 2.7L EcoBoost: Inspect The Valve Covers (Pass) Replace The Oil Pan (Do Not Use With Any Other Labor Operations)	232330A	3.2 Hrs.
2015-2017 F-150 4X2 2.7L EcoBoost: Inspect The Valve Covers (Fail) Replace The Valve Covers And The Oil Pan (Do Not Use With Any Other Labor Operations)	232330B	6.7 Hrs.
2015-2017 F-150 4X4 2.7L EcoBoost: Inspect The Valve Covers (Pass) Replace The Oil Pan (Do Not Use With Any Other Labor Operations)	232330C	4.1 Hrs.
2015-2017 F-150 4X4 2.7L EcoBoost: Inspect The Valve Covers (Fail) Replace The Valve Covers And The Oil Pan (Do Not Use With Any Other Labor Operations)	232330D	7.6 Hrs.

Repair/Claim Coding

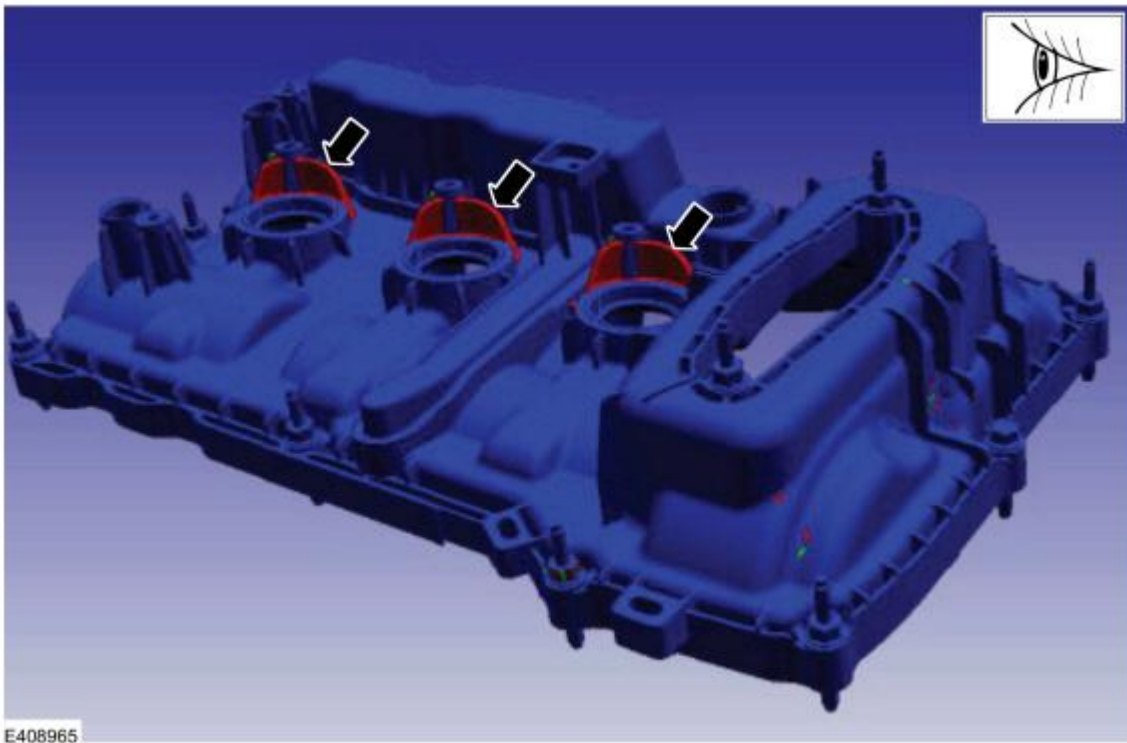
Causal Part:	6675
Condition Code:	D8

Service Procedure

NOTE: There are internal positive crankcase ventilation (PCV) system check valves built into some oil pans and valve covers. Follow the Service Procedure to make sure replacement parts are properly chosen to maintain an operable PCV system.

1. Inspect the valve cover design around the ignition coils. Does the coil location have the extended plastic protective ribbing as shown in red? (Figure 1)

Figure 1



(1). Yes - proceed to Step 3.

(2). No - proceed to Step 2.

2. Replace the valve covers. Refer to the procedures in the 2015-2017 F150 Workshop Manual (WSM), Section 303-01A, Removal and Installation > Valve Cover LH and Valve Cover RH.

NOTE: Valve covers and related components are eligible under Service Part Warranty (SPW) or Service Part New Vehicle (SPNV) coverage if the oil pan was previously replaced as the causal part.

NOTE: If the vehicle is equipped with an engine appearance cover, replace the engine appearance cover mounting studs.

3. Replace the oil pan. Refer to the various WSM years as needed.

(1). 2015-2017 F-150 WSM, Section 303-01A, Removal and Installation > Oil Pan, Removal, Steps 1-32.

(2). 2018 F-150 WSM, Section 303-01A, Removal and Installation > Oil Pan, Removal, Steps 31 and 32.

(3). 2018 F-150 WSM, Section 303-01A, Removal and Installation > Oil Pan, Installation, Steps 1-3.

(4). 2015-2017 F-150 WSM, Section 303-01A, Removal and Installation > Oil Pan, Installation, Steps 4-39.

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