



TECHNICAL SERVICE BULLETIN

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

23-208317 March
2023

This bulletin supersedes 19-2205.

Model:

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

This article supersedes TSB 19-2205 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	Quantity	Description	Unit of Issue	Piece Quantity
JT4Z-6675-E	1	Engine Oil Pan	1	1
FT4Z-6582-F	1	Left Valve Cover	1	1
FT4Z-6582-G	1	Right Valve Cover	1	1
1X4Z-9E936-AA	1	Throttle Body Gasket	1	1
W520113-S440	1	Stabilizer Bar Bracket Nuts	4	4
W712724-S439	1	Front Axle Mounting Bolts	4	2
W715798-S437	1	Transmission Fluid Cooler Tube Bracket Stud Bolt	4	1
FT4Z-6626-A	1	Oil Pump Gasket	1	1
FT4Z-6731-A	1	Oil Filter	1	1
W712723-S441	1	Front Axle Mounting Nuts	4	2
W712743-S439	1	Front Axle Upper Mounting Bolt	4	1
W716530-S440	1	Right Hand Engine Mount Nut	4	2
7L1Z-7J227-A	2	Transmission Cooler Tube O-Rings	2	4
FT4Z-6840-B	1	Lower Oil Filter Gasket	2	2
FT4Z-6840-C	1	Upper Oil Filter Gasket	1	1
W715211-S439	1	Left Engine Mount Bolt	4	1
W716700-S442	1	Front Axle Mounting Nuts	4	1

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.

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)	232083A	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)	232083B	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)	232083C	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)	232083D	7.6 Hrs.

Repair/Claim Coding

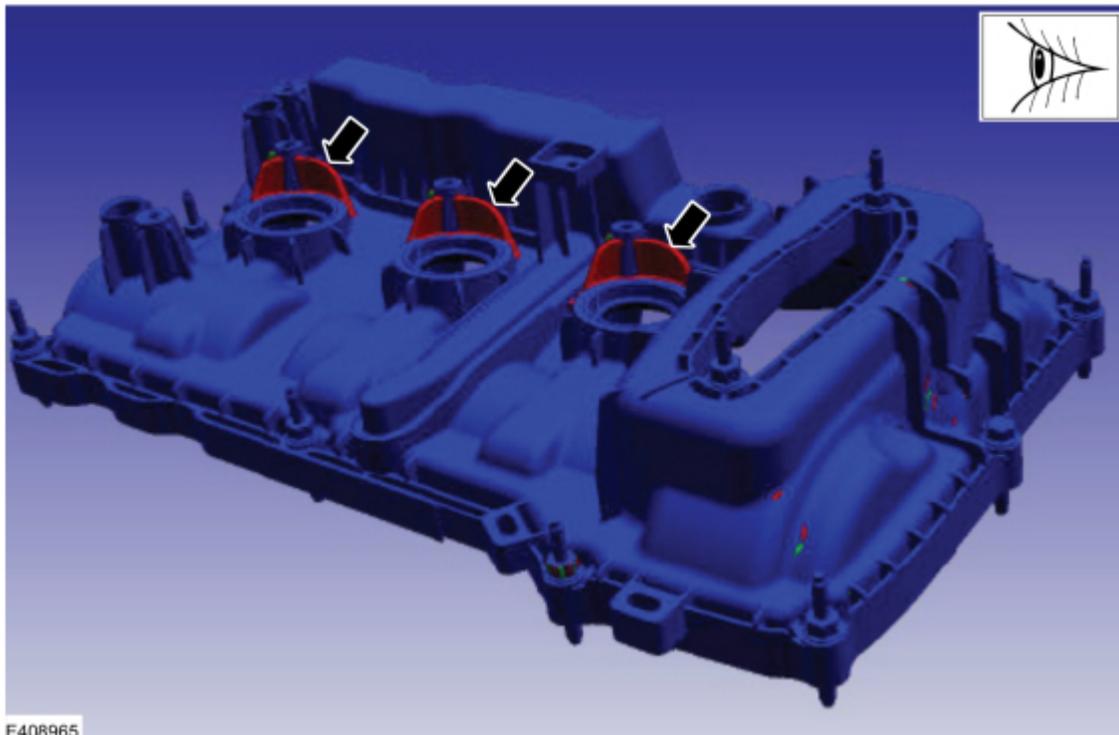
Causal Part:	6675
Condition Code:	D8

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.
3. Replace the oil pan. Refer to the various WSM years as required.
 - (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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