



# TECHNICAL SERVICE BULLETIN

## 2.7L/3.0L EcoBoost - Oil Pan Leaking

**23-2338**

30 October  
2023

This bulletin supersedes 22-2181.

### Model:

<b>Ford</b> 2015-2017 Edge	Engine: 2.7L EcoBoost
2017 Fusion	Engine: 2.7L EcoBoost
<b>Lincoln</b> 2017 Continental	Engine: 2.7L EcoBoost Engine: 3.0L EcoBoost
2016-2017 MKX	Engine: 2.7L EcoBoost
2017 MKZ	Engine: 3.0L EcoBoost

### Summary

This article supersedes TSB 22-2181 to update the Service Procedure and Part List.

**Issue:** Some 2015-2017 Edge, 2016-2017 MKX, 2017 Fusion/MKZ/Continental vehicles equipped with a 2.7L EcoBoost or 3.0L EcoBoost engine may exhibit an oil leak from the engine oil pan RTV seal. This may be due to a lack of RTV adhesion. To correct the condition, follow the Service Procedure to replace the valve covers and replace the factory oil pan with a press in place gasket style oil pan.

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

- One of the following vehicles:
  - 2015-2017 Edge
  - 2016-2017 MKX
  - 2017 Continental/Fusion/MKZ
- 2.7L/3.0L Engine
- Oil leak from the oil pan RTV seal

### Parts

Service Part Number	Quantity	Description	Unit of Issue	Piece Quantity	Note
9W7Z-19B596-A	1	Seal Kit - A/C Compressor Gasket And O-Ring, 1/2 Inch (Edge/MKX)			
DL3Z-19B596-B	1	Seal Kit - A/C Compressor Gasket And O-Ring, 5/8 Inch (Continental 2.7L)			
HL3Z-19B596-A	1	Seal Kit - A/C O-Rings - 3/4 Inch, 1/2 Inch, 5/8 Inch And 3/8 Inch (Fusion/MKZ And Continental 3.0L)			
DS7Z-19B596-A	1	Seal Kit - A/C Compressor Gaskets 8 mm, 1/2 Inch, 5/8 Inch (All Models)			
KT4Z-6675-E	1	Oil Pan	1	1	Oil pan is different than the original part
KU2Z-6731-A	1	Oil Filter Element And O-Ring Seals	1	1	O-ring seals are only available as an assembly with the oil filter
W714265-	1	Left Catalytic Converter Nuts	4	2	

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FT4Z-6626-A	1	Oil Pump Seal	1	1	
BL3Z-9450-A	1	Catalytic Converter Gasket	1	1	
FT4Z-6582-F	1	Right Valve Cover	1	1	
FT4Z-6582-G	1	Left Valve Cover	1	1	
YN-33-A	As Needed	R-1234yf Refrigerant (All Markets Except Canada)			
HS7Z-19B519-BA	As Needed	R-1234yf Refrigerant (Canada Only)			
YN-35	As Needed	Refrigerant Oil			
ZC-30-A	As Needed	Motorcraft® Gasket Remover			
TA-357	As Needed	Motorcraft® High Performance Engine RTV Silicone			
XO- 5W30-Q1SP	As Needed	Motorcraft® SAE 5W-30 Synthetic Blend Motor Oil (All Markets Except Canada)			
CXO-5W30-LSP6	As Needed	Motorcraft® SAE 5W-30 Super Premium Motor Oil (Canada Only)			
PM-4-A	As Needed	Motorcraft® Metal Brake Parts Cleaner (Compliant With Low Volatile Organic Compound Requirements As Required In Some USA States)			
PM-4-B	As Needed	Motorcraft® Metal Brake Parts Cleaner (Not Compliant With Volatile Organic Compound Requirements)			
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	Quantity	Description	Note
1X4Z-9E936-AA	If Needed	Coil Boot (Fusion 2.7L)	
FU7Z-12A402-A	If Needed	Coil Boot (MKX 2.7L)	
FT4Z-6A832-C	If Needed	Oil Filter And Cap Assembly Kit	Oil cap is only available as an assembly with the oil filter

Quantity refers to the amount of the service part number package(s) 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
2017 Continental 2.7L/3.0L EcoBoost: Inspect And Replace The Engine Oil Pan (Do Not Use With Any Other Labor Operations)	232338A	2.9 Hrs.
2017 Continental 2.7L/3.0L EcoBoost: Inspect And Replace Both Valve Covers And The Engine Oil Pan (Do Not Use With Any Other Labor Operations)	232338B	7.2 Hrs.
2015-2017 Edge, 2016-2017 MKX 2.7L EcoBoost: Inspect And Replace The Engine Oil Pan (Do Not Use With Any Other Labor Operations)	232338C	3.0 Hrs.
2015-2017 Edge, 2016-2017 MKX 2.7L EcoBoost: Inspect And Replace Both Valve Covers And The Engine Oil Pan (Do Not Use With Any Other Labor Operations)	232338D	7.6 Hrs.
2017 Fusion 2.7L EcoBoost: Inspect And Replace The Engine Oil Pan (Do Not Use With Any Labor Operations Outside Of This Article)	232338E	3.1 Hrs.
2017 Fusion 2.7L EcoBoost: Inspect And Replace Both Valve Covers And The Engine Oil Pan (Do Not Use With Any Other Labor Operations)	232338F	7.4 Hrs.
2017 MKZ 3.0L EcoBoost: Inspect And Replace The Engine Oil Pan (Do Not Use With Any Labor Operations Outside Of This Article)	232338G	3.1 Hrs.
2017 MKZ 3.0L EcoBoost: Inspect And Replace Both Valve Covers And The Engine Oil Pan (Do Not Use With Any Other Labor Operations)	232338H	8.1 Hrs.

### Repair/Claim Coding

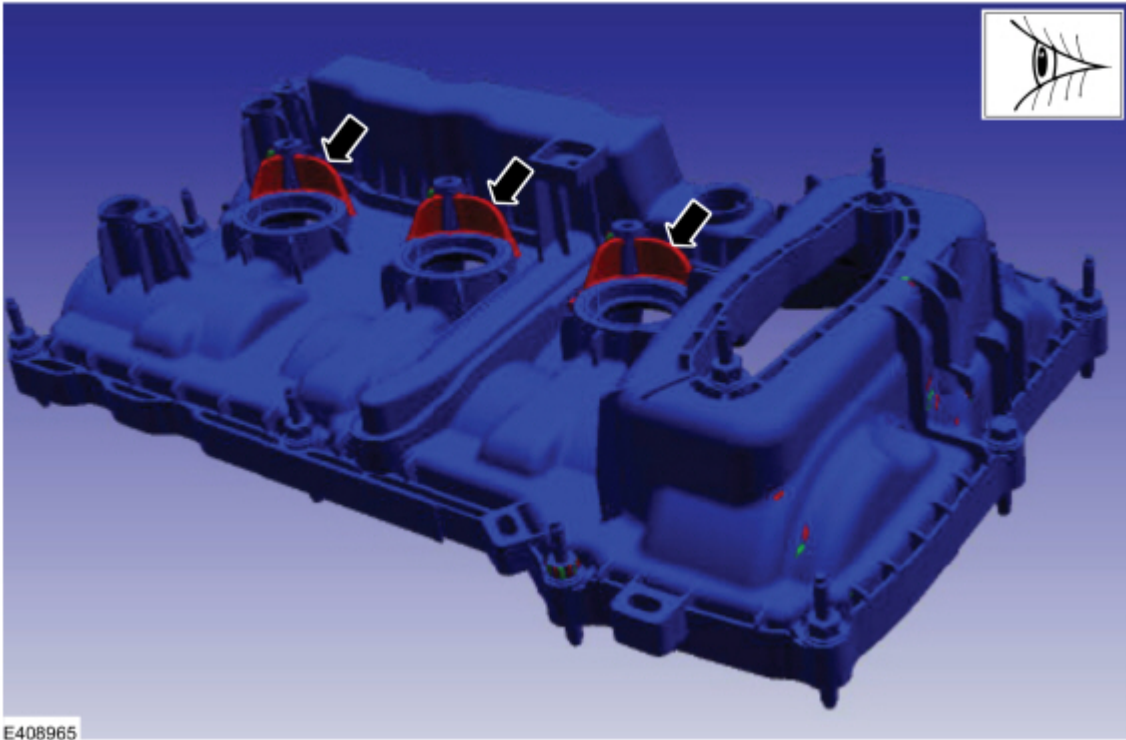
Causal Part:	6675
Condition Code:	D8

### 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 on both sides. Does the coil location have the extended plastic protective ribbing as shown in red? (Figure 1)

Figure 1

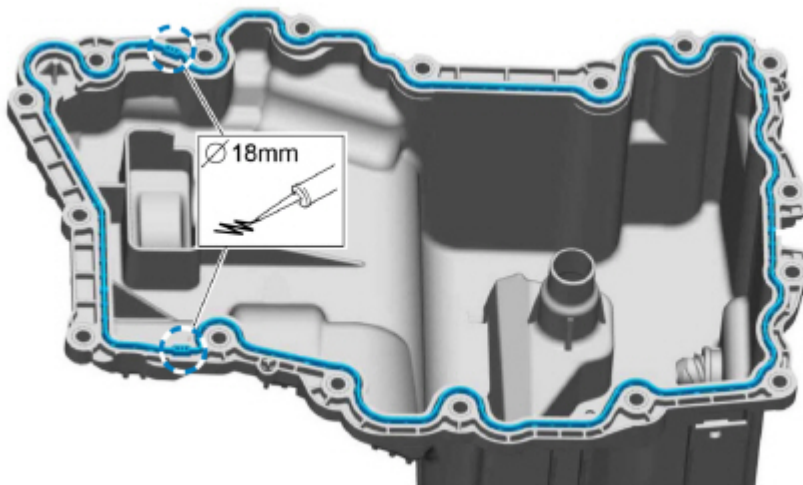


(1). Yes - proceed to Step 3.

(2). No - proceed to Step 2.

2. Replace both valve covers. Refer to Workshop Manual (WSM), Section 303-01, Removal and Installation > Valve Cover LH and Valve Cover RH. Proceed to Step 3.
3. Remove and discard the oil pan and oil pump seal. Refer to WSM, Section 303-01, Removal and Installation > Oil Pan.
4. Clean and prepare the engine sealing surface. Refer to WSM, Section 303-00 General Procedures.
5. Install the new oil pump seal. Refer to WSM, Section 303-01, Removal and Installation > Oil Pan.
6. Apply a 18 mm (0.708 in.) bead of Motorcraft® High Performance Engine RTV Silicone to the oil pan where the front cover-to-cylinder block joint areas contact. (Figure 2)

Figure 2



**NOTE: The new oil pan does not require the use of Motorcraft® High Performance Engine RTV Silicone in any other location.**

7. Verify the correct orientation of the new press in place gasket and install the new oil pan. Refer to the WSM, Section 303-01, Removal and Installation > Oil Pan.

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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.