



TECHNICAL SERVICE BULLETIN

5.0L - Oil Leaks From Valve Cover Gasket

19-2309
16 October 2019

This bulletin supersedes 19-2260. Reason for update: Incorrect or Incomplete Symptom

Model:

Ford 2015-2017 Mustang

Summary

This article supersedes TSB 19-2260 to update the Issue Statement and Service Procedure.

Issue: Some 2015-2017 Mustang vehicles equipped with a 5.0L engine may exhibit an oil leak from either valve cover gasket. This may be due to the valve covers warping due to excessive heat. To correct the condition, follow the Service Procedure steps to add fasteners to both valve covers.

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

- 2015-2017 Mustang
- 5.0L engine
- Oil leak from either valve cover gasket

Parts

Part Number	Description	Quantity
JR3Z-00812-B	Valve Cover Bolt (Package Contains 1 Piece, 8 Pieces Required)	8
W712334-S440	Strut Tower Brace/Cowl Extension Nut (Package Contains 3 Pieces, 4 Pieces Required)	2
ER3Z-6584-B	Valve Cover Gasket (Left Side)	1
ER3Z-6584-A	Valve Cover Gasket (Right Side)	1
BR3Z-6C535-A	VCT Seal	As Needed
BR3Z-6C535-B	Spark Plug Seal	As Needed
ZC-30-A	Motorcraft® Silicone Gasket Remover	As Needed
ZC-31-B	Motorcraft® Metal Surface Prep Wipes	As Needed
TA-30	Motorcraft® Silicone Gasket and Sealant	As Needed
PM-4-A	Motorcraft® Metal Brake Parts Cleaner	As Needed
XO-5W20-Q1SP	Motorcraft® SAE 5W-20 Synthetic Blend Motor Oil (All Markets Except Canada)	As Needed
CXO-5W20-LSP6	Motorcraft® SAE 5W-20 Super Premium Motor Oil (Canada Only)	As Needed

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 Mustang 5.0L TiVCT: Remove Both (2) Valve Covers, Update Following The Service Procedure, Includes Time To Verify Leak And Check And Correct Engine Oil Level (Do Not Use With Any Other Labor Operations)2309	192309A	3.8 Hrs.

Repair/Claim Coding

Causal Part:	6582
Condition Code:	D8

Service Procedure

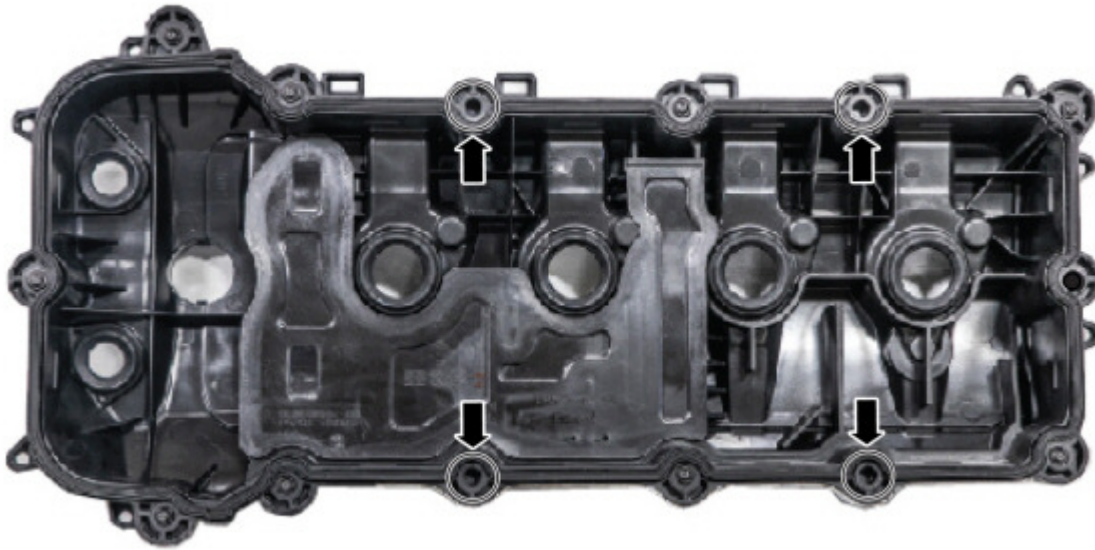
1. Remove both valve covers. Refer to Workshop Manual (WSM), Section 303-01C.



CAUTION: Use a shop rag to prevent shavings from the drilling process from going into the under side of the valve cover. Thoroughly clean the under side of each valve cover after drilling to remove any shavings which may have entered into the under side of the valve cover. Any shavings left in the valve cover when it is reinstalled on the engine may enter the engine and cause damage to the engine.

2. Using a 10 mm (0.394 in) drill bit and drilling from the underside of the valve covers, drill holes through the tabs along the perimeter of the valve covers that do not already have holes, skipping over the tabs at the rear center of each valve cover. Following these instructions, each valve cover should require four holes to be drilled. This will allow fasteners to go through these tabs. Use the indented area on each tab as a guide to center the drill bit to make sure the holes are drilled in proper alignment to allow fasteners to pass through them and thread into the corresponding holes in the cylinder head when the valve covers are reinstalled on the engine. (Figure 1, right side shown, left side similar)

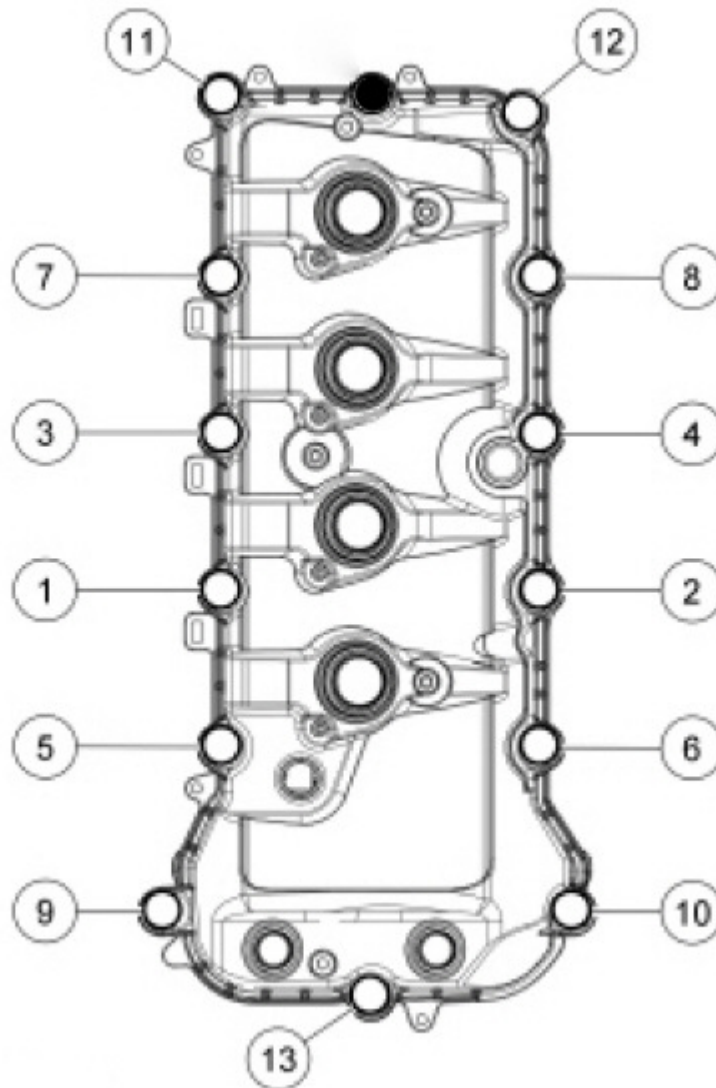
Figure 1



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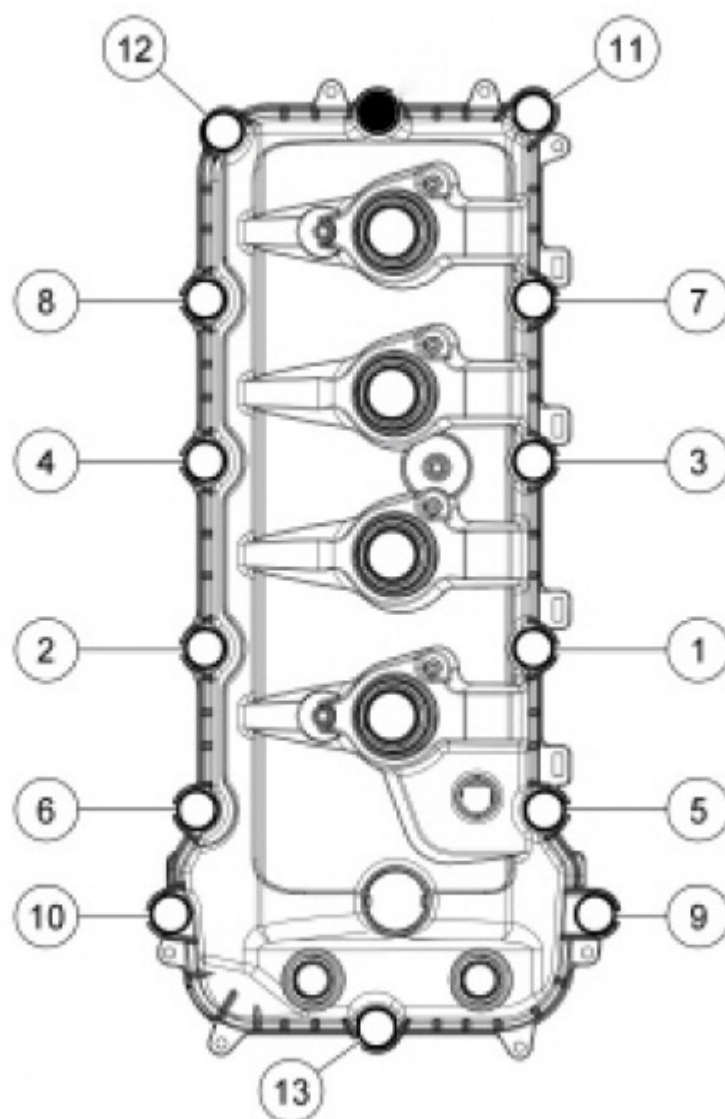
3. Reinstall the valve covers onto the engine, adding fasteners through the holes drilled in Step 2. Refer to WSM, Section 303-01C. Follow the revised tightening sequence in Figure 2 for the left valve cover and Figure 3 for the right valve cover. Tighten the fasteners to 10 Nm (89 lb-in).

Figure 2



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Figure 3



E321500

4. Make sure the engine oil level is at the proper level after completing the repair.

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