



TECHNICAL SERVICE BULLETIN

5.0L - Excessive Oil Consumption

19-
2365
05
December
2019

This bulletin supersedes 19-2338. Reason for update: Replace Awareness/Interim Message

Model:

Ford 2018-2020 F-150	Engine: 5.0L
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Summary

This article supersedes TSB 19-2338 to update the vehicle model years affected, Service Procedure and Part List.

Issue: Some 2018-2020 F-150 vehicles equipped with a 5.0L engine may exhibit excessive oil consumption of greater than 1L (1 quart) in 4,800 km (3,000 mi) with no visible oil leaks. This may be due to high intake manifold vacuum during some deceleration fuel shut off (DFSO) events resulting in oil being pulled into the combustion chamber from the crankcase, valve guides, and positive crankcase ventilation (PCV). To correct the condition, follow the Service Procedure steps to reprogram the powertrain control module (PCM), install a new engine oil level indicator and change the engine oil and oil filter. The revised PCM calibration reduces engine vacuum during some DFSSO events.

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

- 2018-2020 F-150
- 5.0L engine
- Customer concern of excessive oil consumption

Parts

Part Number	Description	Quantity
JL3Z-6750-E	Engine Oil Level Indicator	1
AA5Z-6714-A	Oil Filter	1
XO-5W20-Q1SP	Motorcraft® SAE 5W-20 Synthetic Blend Motor Oil (All Markets Except Canada)	As Required
CXO-5W20-LSP6	Motorcraft® SAE 5W-20 Super Premium Motor Oil (Canada Only)	As Required

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
2018-2020 F-150 5.0L: Inspect Engine For Oil Leaks Replace The Engine Oil And Filter And Reprogram the PCM Includes Time To replace The Oil Level Indicator If Necessary (Do Not Use With Any Other Labor Operations)	192365A	0.9 Hrs.

Repair/Claim Coding

Causal Part:	6006
Condition Code:	42

Service Procedure

NOTE: Oil usage is normally greater during the first 16,000 km (10,000 mi) in service. As distance traveled increases, oil usage generally improves.

1. Inspect the engine for visible oil leaks. Are any oil leaks present?
 - (1). Yes - this article does not apply. Refer to the Workshop Manual (WSM), Section 303-00.
 - (2). No - proceed to Step 2.
2. Is the vehicle built on or before 04-Oct-2019?
 - (1). Yes - replace the engine oil level indicator. Proceed to Step 3.
 - **Note: The new oil level indicator uses a wider 1.9 liter (2 quart) normal operating range. This engine has been fully tested and validated for performance and durability with the oil level within this operating range.**
 - (2). No - proceed to Step 3.
3. Drain the engine oil and replace the oil filter.
 - (1). Fill the engine with oil to bring the oil level up to the MAX fill line on the oil level indicator.
4. Reprogram the PCM using the latest software level of the appropriate Ford scan tool.

NOTE: Advise the customer that this vehicle is equipped with an adaptive transmission shift strategy which allows the vehicle's computer to learn the transmission's unique parameters and improve shift quality. When the adaptive strategy is reset, the computer will begin a relearning process. This relearning process may result in firmer than normal upshifts and downshifts for several days.

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