

Model:

Ford
2018 F-150

**Issue:** Some 2018 F-150 vehicles equipped with a 5.0L engine may exhibit excessive oil consumption with no visible oil leaks.

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

- 2018 F-150
- 5.0L engine

Parts

Part Number	Description	Quantity
JL3Z-6006-A	Long Block Assembly	1
JL3Z-6006-B	Long Block Assembly - Gaseous Fuel Prep Pack	1
W520113-S440	Stabilizer Bar Bracket Nuts	4
7L1Z-4B496-C	Front Driveshaft CV Joint To Pinion Flange Bolts	2
7L1Z-4B496-D	Front Driveshaft CV Joint To Transfer Case Bolts	3
W520514-S440	Catalytic Converter To Exhaust Manifold Nuts	4
W714689-S437	Torque Converter To Flex Plate Nuts	4
W716530-S440	Right Hand Engine Mount Nuts	2
JL3Z-9439-A	Intake Manifold Gasket Kit	1
JR3Z-9J323-A	High Pressure Fuel Tube	1
JR3Z-9J323-B	High Pressure Fuel Tube	1
W715211-S439	Left Hand Engine Mount Bolt	1
W713244-S439	Left Hand Engine Mount To Frame Bolts	3
JL3Z-6379-A	Flex Plate Bolts	8
W714735-S439	Engine Mount To Cylinder Block Bolts	6
W714870-S430	Exhaust Manifold Nuts	16
FR3Z-9448-A	Exhaust Manifold Gasket	2
FT4Z-9E583-A	High Pressure Fuel Pump O-ring	1
HL3Z-19B596-A	A/C Compressor Line Seal Kit	1
N808684-S101	Steering Shaft Bolt	1
W718644-S439	Body Mount Bolt	6
W718645-S900	Body Mount Bolt	2
7L3Z-6A666-A	PCV Valve	1
AA5Z-6714-A	Oil Filter	1
XO-5W20-Q1SP	Motorcraft® SAE 5W-20 Synthetic Blend Motor Oil (All Markets Except Canada)	9
CXO-5W20-LSP12	Motorcraft® SAE 5W-20 Super Premium Motor Oil (Canada)	9
VC-13-G	Motorcraft® Yellow Concentrated Antifreeze/Coolant (All Markets Except Canada)	4
CVC-13-G	Motorcraft® Yellow Concentrated Antifreeze/Coolant (Canada Only)	4
VC-3-B	Motorcraft® Orange Concentrated Antifreeze/Coolant (All Markets Except Canada)	4
CVC-3-B2	Motorcraft® Orange Concentrated Antifreeze/Coolant (Canada Only)	4

**Warranty Status:** Eligible Under Provisions Of New Vehicle Limited Warranty Coverage. Warranty/ESP coverage limits/policies 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. For repairs covered by the New Vehicle Limited Warranty, completion of the procedure outlined in this TSB does not require obtaining Prior Approval or completion of a Cost Cap.

Labor Times

Description	Operation No.	Time
2018 F-150 5.0L: Visual Inspection For Oil Leaks, Replace The PCV Valve, Change The Engine Oil And Filter, And Mark The Oil Level Stick Following The Service Procedure Includes Time To Check And Record Engine Oil Level On Return Visits (Do Not Use With Any Labor Operations Outside Of This Article)	DR192058A	0.8 Hrs.
2018 F-150 4X2 5.0L: Replace The Engine Long Block Assembly Includes Time To Remove And Install Cab Assembly (Do Not Use With Any Labor Operations Outside Of This Article)	DR192058B	11.8 Hrs.
2018 F-150 4X4 5.0L: Replace The Engine Long Block Assembly Includes Time To Remove And Install Cab Assembly (Do Not Use With Any Labor Operations Outside Of This Article)	DR192058C	12.3 Hrs.
Additional Time If Equipped With Cruise Control Module (CCM) (Can Be Claimed With B Or C)	DR192058D	0.3 Hrs.
Additional Time Front End Sheet Metal Cage Nut Spun One Side (Can Be Claimed With B Or C)	DR192058E	0.1 Hrs.
Additional Time Front End Sheet Metal Cage Nut Spun Both (2) Sides (Can Be Claimed With B Or C)	DR192058F	0.1 Hrs.
Additional Time Body Support No. 1 Cage Nut Spun One (1) Side (Can Be Claimed With B Or C)	DR192058G	0.6 Hrs.
Additional Time Body Support No. 1 Cage Nut Spun Both (2) Sides (Can Be Claimed With B Or C)	DR192058H	1.1 Hrs.
Additional Time Body Support No. 2 Cage Nut Spun One (1) Side (Can Be Claimed With B Or C)	DR192058J	0.7 Hrs.
Additional Time Body Support No. 2 Cage Nut Spun Both (2) Sides (Can Be Claimed With B Or C)	DR192058K	1.2 Hrs.
Additional Time Body Support No. 3 Cage Nut Spun Right (Can Be Claimed With B Or C)	DR192058L	1.1 Hrs.
Additional Time Body Support No. 3 Cage Nut Spun Left (Can Be Claimed With B Or C)	DR192058M	1.2 Hrs.
Additional Time Body Support No. 3 Cage Nut Spun Both (Can Be Claimed With B Or C)	DR192058N	1.5 Hrs.
Additional Time If Equipped To Remove Rear Inflatable Seatbelts If The No. 3 Cage Nut Spun (Can Be Claimed With B Or C)	DR192058O	0.1 Hrs.
Additional Time If Equipped To Remove Subwoofer If The No. 3 Cage Nut Spun (Can Be Claimed With B Or C)	DR192058P	0.1 Hrs.
Additional Time If Equipped To Remove Audio Digital Signal Processing (DSP) Module If The No. 3 Cage Nut Spun (Can Be Claimed With B Or C)	DR192058Q	0.1 Hrs.

Repair/Claim Coding

Causal Part:	6006
Condition Code:	42

Service Procedure

**For repairs covered by the New Vehicle Limited Warranty, completion of the procedure outlined in this TSB does not require obtaining Prior Approval or completion of a Cost Cap.**

1. Visually inspect for engine oil leaks. Are any visible leaks present?
    - (1). Yes - this article does not apply. Refer to the Workshop Manual (WSM), Section 303-01D.
    - (2). No - proceed to Step 2.
  2. Replace the positive crankcase ventilation (PCV) valve. Refer to WSM, Section 303-08D.
  3. Drain the engine oil and remove the oil filter. Install a new manufacturer-specified oil filter. Make sure the vehicle is positioned on a level surface and, using oil specified by the manufacturer, refill the oil pan to a level 1L (1 quart) less than the specified fill level.
  4. Run the engine for 3 minutes if hot or 10 minutes if cold. Allow for a minimum 15 minute drain back period and then record the oil level shown on the oil level indicator. Place a mark on the backside of the oil level indicator noting the oil level location.
  5. Add the final 1L (1 quart) to complete the normal oil fill. Restart the engine and allow it to idle for 2 minutes. Turn off the engine.
  6. After a 15 minute drain back period, record the location of the oil level. Mark the oil level indicator with the new oil level location.
- NOTE: Both marks should be very close to the MIN-MAX upper and lower limits or the upper and lower holes on the oil level indicator. These marks will exactly measure the engine's use of oil, with a one quart differential between the new marks.**
7. Demonstrate to the customer the factory-calibrated marks on the oil level indicator are where the oil should fall after an oil change with the specified fill amount. Explain this may vary slightly between MIN-MAX or the upper and lower holes on the oil level indicator.
  8. Record the vehicle mileage.
  9. Advise the customer that oil level indicator readings must be taken every 320 km (200 mi) or weekly, using the revised marks as drawn. Remind the customer the engine needs a minimum 15 minute drain back for an accurate reading and the oil level indicator must be firmly seated in the tube prior to taking the reading.
  10. When the subsequent indicator readings demonstrate a full liter (quart) has been used, record the vehicle mileage. The mileage driven should not be less than 4,800 km (3,000 mi). The drive cycle the vehicle has been operated under must be considered when making this calculation. It may be necessary to have the customer bring the vehicle in for a periodic oil level indicator reading to closely monitor oil usage.
  11. Does the measured oil consumption exceed 4,800 km (3,000 mi) per liter (quart)?
    - (1). Yes - proceed to Step 12.
    - (2). No - vehicle is operating normally, no repairs are necessary. Repair is complete.
  12. Replace the engine long block assembly. Refer to WSM, Section 303-01D.