



## TECHNICAL SERVICE BULLETIN

### 3.5L EcoBoost High Output - Lack Of Power And/Or Misfire With Or Without DTCs P0300 Through P0306 - Built On Or Before 1-Jun-2019

**19-2286**  
20 September  
2019

#### Model:

<b>Ford</b> 2019 F-150
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**Issue:** Some 2019 F-150 vehicles with the Limited series package built on or before 1-Jun-2019 equipped with a 3.5L EcoBoost high output engine may exhibit a lack of power and/or misfire condition with or without diagnostic trouble code (DTC) P0300 through P0306. This may be due to the internal components of the muffler assembled improperly. To correct the condition, follow the Service Procedure steps to replace the muffler.

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

- 2019 F-150
- Limited series
- Built on or before 1-Jun-2019
- 3.5L EcoBoost high output
- Lacks power and/or misfire condition
- May have DTCs P0300 through P0306 stored in the powertrain control module (PCM)

#### Parts

Part Number	Description	Quantity
KL3Z-5230-A	Muffler Assembly	1

**Warranty Status:** Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions 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
2019 F-150 3.5L EcoBoost: Measure And Replace The Muffler, Includes Time To Disconnect And Lower The Muffler Inlet To Measure And Check And Clear DTCs (Do Not Use With Any Other Labor Operations)	192286A	1.1 Hrs.

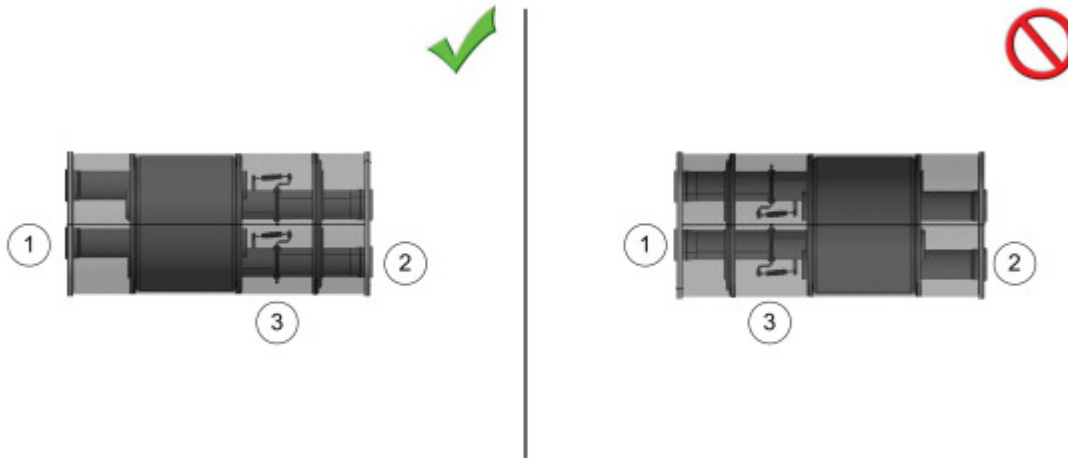
#### Repair/Claim Coding

Causal Part:	5230
Condition Code:	12

#### Service Procedure

1. Disconnect the inlet side of the muffler. Refer to Workshop Manual (WSM), Section 309-00.
2. Insert a tape measure into the inlet side of the muffler assembly until it bottoms out. (Figures 1-2) Is the measurement at the end of the tube 584 mm (23 inches) or less?
  - (1). Yes - proceed to Step 3.
  - (2). No - this article does not apply. Refer to WSM Section 309-00 for normal diagnostics.

Figure 1



E318333

Item	Description
1	Inlet
2	Outlet
3	Exhaust valve

Figure 2



3. Replace the muffler assembly. Refer to WSM Section 309-00.

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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.