



# OUTLAW

## S E R I E S

### Installation Instructions

# 817917

## 2015-20 FORD F-150

## 2.7L/3.3L/3.5L ECOBOOST, 3.5L TI VCT & 5.0L ENGINE

### 2/4 Wheel Drive & All Wheelbases

Includes 2017-2020 Ford Raptor.

#### OVERVIEW:

1. Take a moment to read and understand these instructions before installing your Flowmaster performance system.

**NOTE:** Please inventory all parts now before continuing and if necessary, report any missing items to our tech line. This will avoid potentially stranding your vehicle until any missing replacement parts arrive.

ITM #	PART #	DESCRIPTION	QTY.
1	815430-541	Outlaw Muffler	1
N/A	PK818	Hardware Package includes:	1
2	MC250BS	2½" Stainless Band Clamp	1

#### REMOVE STOCK EXHAUST SYSTEM:

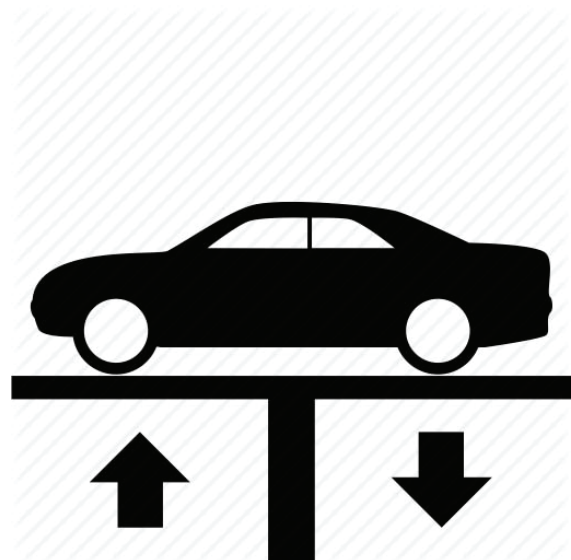
2. Raise vehicle up on a hoist or rack to working height. If you don't have access to a hoist or rack, support vehicle with jack stands.

**WARNING:**

Avoid serious burns! Allow your vehicle time to cool completely before touching any factory engine components.

**To ease disassembly of factory components:**

- Apply penetrating lubricant to mounts, bolts and clamps before you remove them.
- Use stands as necessary to support parts as you detach them from your vehicle.

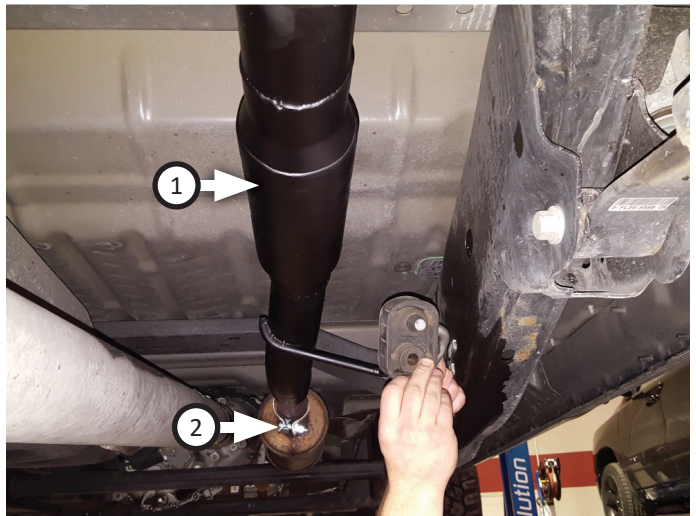


3. Mark line 4" forward from band clamp connection, in front of muffler (shown below). Cut pipe then deburr.
4. Unbolt isolator mounts (x2) to disengage factory muffler assembly and remove it from vehicle. Then mark 2½" line from end of factory front pipe.



**NOTE:** Remove nuts from Flowmaster clamps, apply anti-seize compound to bolts and re-install nuts.

5. Place **clamp (2)** onto **muffler (1)** inlet then slide muffler up to 2½" mark on factory front pipe. Insert wire hangers (x2) into isolators and re-install mounts from step 4.
6. Adjust muffler so wire hangers protrude approximately ¾" through rubber hangers then tighten clamp securely.



7. We recommend applying a one inch tack weld to all slip-fit connections for a more secure installation. You may also apply high temperature paint over welded areas to prevent rust and premature corrosion.

Congratulations, the installation of your FLOWMASTER performance exhaust system is now complete!





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Installation Diagram

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