



**Installation Instructions**  
**717776**  
**2017-20 FORD F-150 RAPTOR**  
3.5L V6 EcoBoost Engine  
DIRECT REPLACEMENT MUFFLER

1/30/2020

**Removal:**

1) Spray a penetrating lubricant onto the rubber hangers supporting the muffler and tailpipes, also the nuts at the clamped connections just forward of the muffler and at the over-axle connections. Then spray the slip-joints at the front and back of the muffler, this will greatly ease removal of the stock muffler.



2) Loosen the two clamps connecting the tailpipes to the muffler at the over-axle slip-fit connections. Carefully slide the tailpipes toward the rear to remove from the muffler. Allow the pipes to hang until installation of the Flowmaster muffler.



3) It may be necessary to unbolt the forward hanger on each tailpipe from the frame to allow the tailpipes to slide out of the muffler outlets.



4) Support the muffler with a stand and loosen the clamp on each of the two front inlet pipes using a 15mm socket wrench. Then slide the muffler toward the rear of the vehicle to disconnect the inlet pipes and the hangers from the rubber mounts on the vehicle. Lower and set the muffler aside.



5) To simplify the installation of the new Flowmaster muffler, it may be necessary to unbolt the rear tailpipe hangers from the frame; this will give you full range of motion to get the tailpipes into the muffler outlets.

### Installation:



6) Place the inlet pipes of the new FlowFX muffler **#7430404-461** into the factory front pipes and connect the hangers on the muffler to the rubber mounts on the vehicle. Be sure the muffler is fully forward and seated. Tighten the clamps enough to hold.



7) Place the provided 3" clamps onto the muffler outlets.



8) Re-install the tailpipes into the muffler outlets. Be sure that they are fully seated and tighten the clamps enough to hold but still allow for adjustment.



- 9) If removed, remount the factory forward and rear tailpipe hangers to the frame and tighten securely.
- 10) Adjust the position of the muffler and tailpipes to provide a satisfactory fit. Be sure to maintain an adequate clearance around all parts of the system to avoid rattles or damage to heat sensitive components. Once you're happy with the fit, tighten all connections down securely.

#### PACKING LIST

Qty.	Description	Part#
1	Muffler Assembly	7430404-461
1	Parts Kit	PK908
2	3" Band Clamp	MC300BS



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