

# Magnaflow MF Series Cat-Back Exhaust

## – Dual Side Exit – Before Rear Tire (15-17 5.0L)

Necessary Time – 2 Hours Approximately

### SAFETY

Please refer to manufactures recommendations and safety guidelines.

### Tools

#### Minimum Tool List –

- 1 – 15 mm Socket/Wrench
- 1 – 13 mm Socket/Wrench
- 1 – 10mm Socket

#### Recommended Additional Tool List -

- 1 – Hammer/Mallet
- 1 – 17mm Socket
- 1 – Flat Blade Screwdriver
- 2 – Extensions
- 1 – Jack or Pipe Stand
- 1 – Lubricant

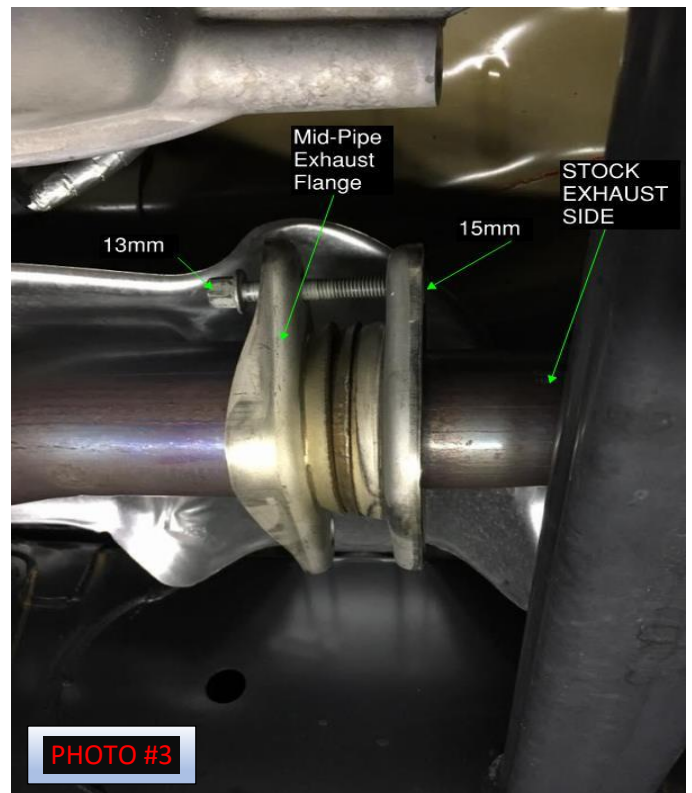
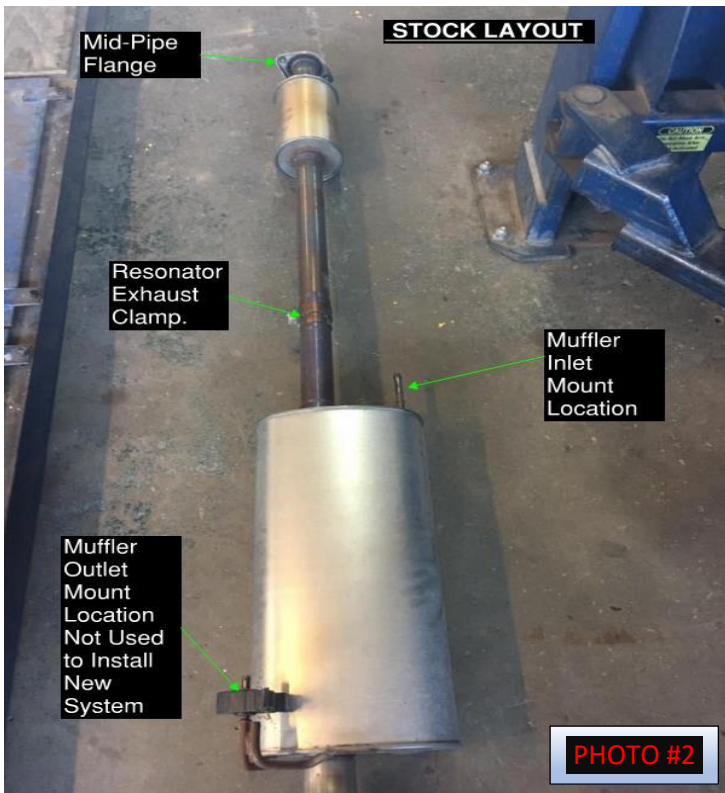
#### Included Parts/Hardware –

1. (1) Hanger Bracket
2. (2) U-Type Panel Nut (Frame Adapter – Threaded) (30-35 ft-lbs)
3. (2) M8-1.23 x 25mm Bolt
4. (2) M10-1.50 Nut
5. (2) M10 Washer
6. (1) 3.00” Torca Clamp (Saddle Clamp) (40-45 ft-lbs)
7. (1) Hanger Rubber

Note: The torque specifications provided above are specified within the manufactures warranty. “Over tightening will result in the clamp breaking and will NOT be warranted by Magnaflow” (WARRANTY NOTE)

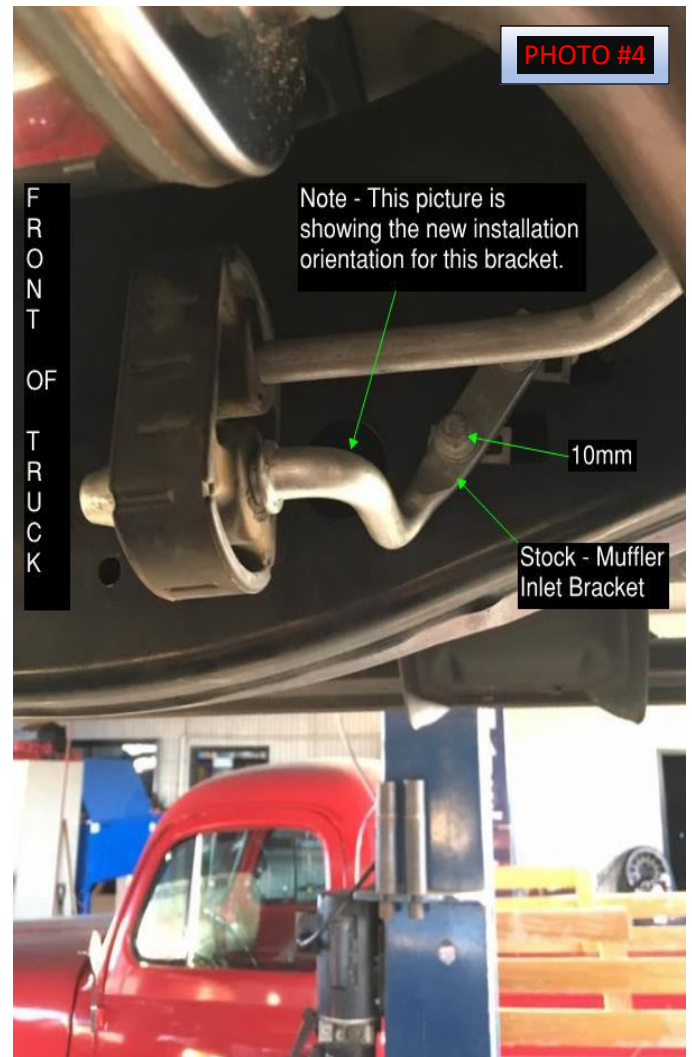
Please Note – This installation was completed on a 2016 F150 Super Crew with the 5.0.





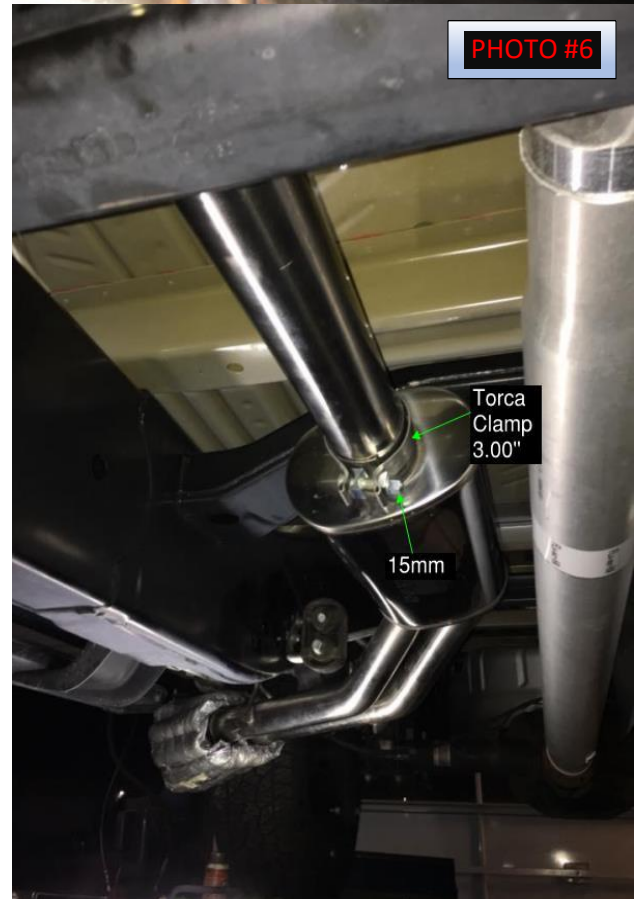
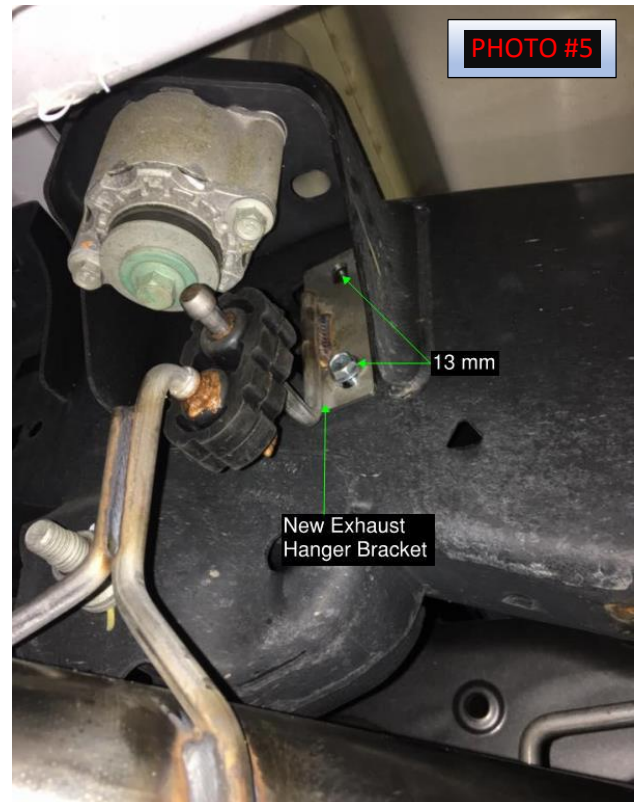
## **REMOVING THE STOCK EXHAUST**

1. Using a 13mm – loosen the bolts from the mid-pipe flange.
  - a. Note: The 15mm nuts are welded to the exhaust side of the stock system.
2. Using a 10mm – Remove the two 10mm bolts from the inlet side of the stock muffler.
3. Finish removing the bolts from the mid-pipe flange.
4. At this point you can remove the stock exhaust system by pushing towards the back of the truck on the entire system. Please note that there is an additional bracket that can be removed to help with this step but is not necessary.
  - a. See Photo #2 – Outlet side of the stock muffler.
    - i. Note A.1 - This bracket is not used in the installation of the new Magnaflow system.



## **INSTALLATION OF NEW MAGNAFLOW EXHAUST SYSTEM:**

1. Using a 10mm – Reinstall the stock muffler inlet bracket in the orientation see Photo #4.
  - a. Note: Grease the rubber hanger to help it accept the new hanger form the Magnaflow system.
2. Using a 13mm – Install the new exhaust hanger bracket. Torque to (30-35 ft-lbs).
  - a. Install the 2 U-TYPE PANEL NUTS – These must be installed into the frame to provide a threaded component to allow the 13mm bolts to fasten to.
3. Using a 13mm and a 15mm – Install new pipe section that goes to the mid-pipe exhaust flange.
  - a. Recommendations: With the supplied hardware for this step, run the nut all the way up the bolt and then back off. This will help the installation process due to the limited space you have to work in.
    - i. Note: This step is much easier with the extensions shown Photo #1.
  - b. Place Torca Clamp over the open end of the newly installed pipe section.
4. Installing the muffler/tail pipe section:
  - a. slide the flange pipe into the inlet of the muffler, at the same time using the newly installed bracket and rubber hanger and the reoriented stock bracket, slide the corresponding hanger rods on the new muffler/tail pipe section into place.
5. Using a 15mm – Loosely Snug the provided Torca Clamp (Saddle Clamp) directly over the inlet of the muffler.
  - a. Note: This Clamp will be your final adjustment of your tips in relation to the body line.
6. Fastener Inspection Step (Front to Back)
  - a. Loosely snug all fasteners. Mid-Pipe Flange nuts and bolts, and Torca Clamp.
  - b. Now set the desired elevation of the tips in relation to the body line. If you cannot make this adjustment loosen the Torca Clamp enough to rotate the muffler section, this will adjust the height of your tips.
    1. Note: When setting the desired height of your tips make sure there is adequate room between your frame rail and the new system or you will get a vibration.
  - c. Finalize your tightening sequence of fasteners with the noted torque specs located under the parts section of the first page.
7. Recommendations: Test for 25-50 miles and check all fasteners and tighten where needed.



8. Enjoy your new Magnaflow Catback system!

#### **After Installation**



#### **Before Installation**



Installation Instructions written by AmericanMuscle Customer Hayden Elmore 1.2.17