

## INSTALLATION INSTRUCTIONS

**MAKE:** Ford

**MODEL:** F-250/F-350 Super Duty

**YEAR:** 2017

• **ENGINE:** V8-6.7L (td) Power Stroke

**FITS:** 141.6", 148", 160", 164.2" & 176" Wheelbases

**Will NOT fit Cab & Chassis models**

### 5" Down-Pipe Back Aluminized

**49-03093 (w/ Muffler)**

### 49-03093NM (w/o Muffler)

## 5" Down-Pipe Back Stainless Steel

**49-43093**

49-43093-B (Black Tip)

### 49-43093-P (Polished Tip)



**THIS PART IS FOR RACE USE ONLY**

This is a "Race Only" Product Used solely for Competition. Its use is limited to closed-course and open-course racing that is formally sanctioned by a recognized racing organization. Any other use, including recreational off-road use, could be in violation of local, state and federal laws. This system also requires an aftermarket electronic module to work properly with the vehicle.

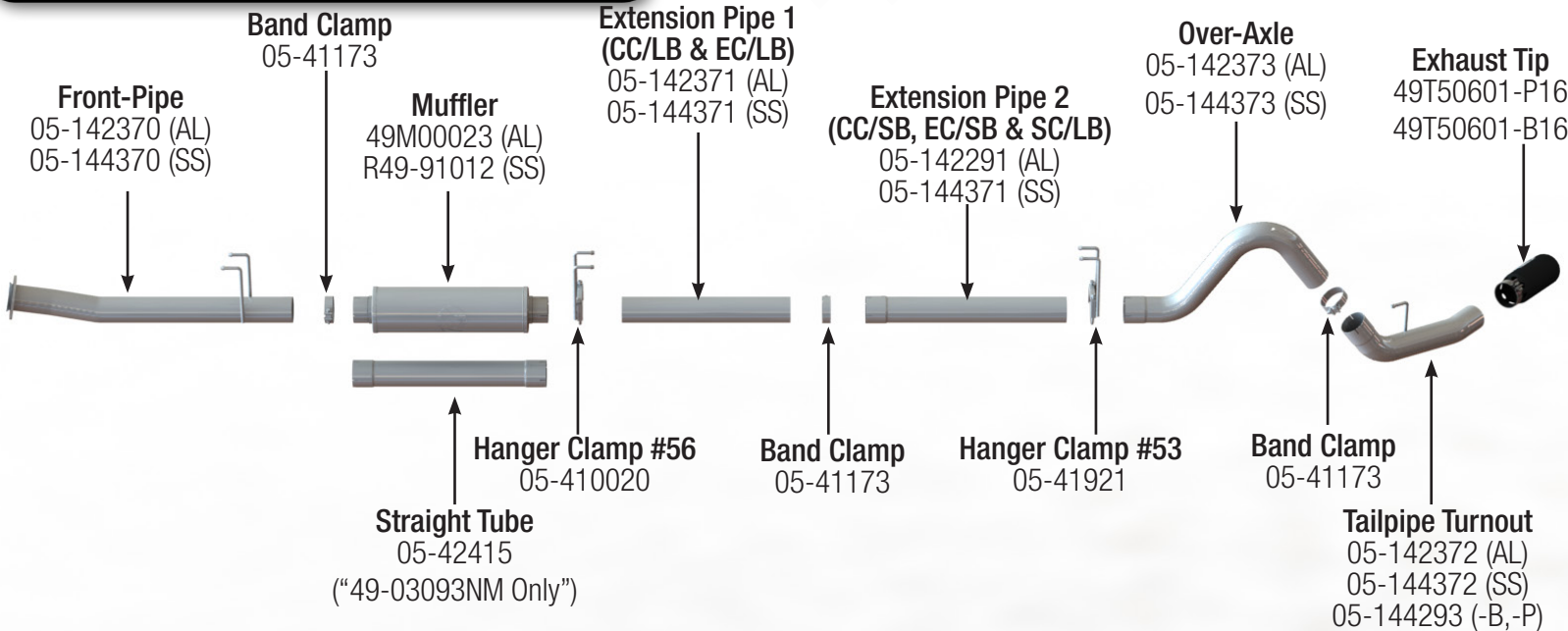


**Nut (x2)**

03-50208

**Screw (x2)**

03-50209



## Removal Process

**Step 1:** Professional installation is highly recommended! Start by disconnecting all sensors attached to the stock exhaust system. Take caution not to damage any sensors or plugs.

**Step 2:** Remove the three nuts securing the DPF to the tail pipe section. Lubricate all rubber mounts. Disconnect the three rear exhaust hangers from the isolation mounts and remove the stock over-axle and tail pipe section.

**Step 3:** This step will require extra assistance & jacks/stands. Remove the two bolts that connect the down pipe to the catalytic converter front pipe. Remove the two bolts holding the front isolator mount to the frame. Disconnect the four remaining exhaust hangers from the exhaust system and remove it from the vehicle.

**Step 4:** Remove stock hardware from Front-pipe flange connected to stock Turbo Down-Pipe. Remove all rubber mounts from the stock system and retain them for re-installation.

## Installation Process

**NOTE:** Do not fully tighten the band clamps or hardware until the entire system has been installed and aligned.

**Step 5:** For faster installation lay out exhaust components as shown on diagram above.

**Step 6:** Fasten the front pipe to the down pipe at the two-bolt flange with the supplied hardware; 03-50208 (x2) & 03-50209 (x2). Leave bolts hand tight. Mount the rear of the pipe to the vehicle with the stock rubber mounts.

**Step 7:** Slip a band clamp over the aFe POWER muffler, or muffler delete pipe. The stamped logo should face the outside of the passenger side. Slide the muffler into the front pipe and loosely tighten the band clamp.

**Step 8:** Install the shorter of the two hanger clamps (05-410020) onto the vehicle using the hangers near the rear of the muffler. Use the stock rubber mounts, the hangers on the clamp should point to the rear of the vehicle. Use the u-bolt to support the rear of the muffler, but do not tighten.

**Caution:** Allow time for your vehicle to cool down prior to installation. When working on or under your vehicle proceed with caution. Exhaust systems reach high temperatures and may cause serious burns. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation. **aFe recommends professional installation on our products.**



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Nut (x2)

03-50208

Screw (x2)

03-50209

Band Clamp

05-41173

Front-Pipe

05-142370 (AL)  
05-144370 (SS)

Muffler

49M00023 (AL)  
R49-91012 (SS)

Extension Pipe 1  
(CC/LB & EC/LB)

05-142371 (AL)  
05-144371 (SS)

Extension Pipe 2  
(CC/SB, EC/SB & SC/LB)

05-142291 (AL)  
05-144371 (SS)

Over-Axle

05-142373 (AL)  
05-144373 (SS)

Exhaust Tip

49T50601-P16  
49T50601-B16

Hanger Clamp #56

05-410020

Straight Tube

05-42415

("49-03093NM Only")

Band Clamp

05-41173

Hanger Clamp #53

05-41921

Band Clamp

05-41173

Tailpipe Turnout

05-142372 (AL)  
05-144372 (SS)  
05-144293 (-B, -P)

**Step 9:** Prepare the mid pipes for installation by cutting them to the proper length for your vehicle:

(See diagram for trimming instructions) Measure twice cut once.

- SC/LB 8'ft box (142" WB) Trim Approximately 4" From 05-14X371, 05-14X291 Not used
- EC/SB 6.75'ft box (148" WB) No Trimming, use 05-14X371 only, 05-14X291 Not used
- EC/LB 8'ft box (164.2" WB) No trim on 05-14X371, Trim 05-14X291 to 19" long.
- CC/SB 6.75'ft box (159.8" WB) No trim on 05-14X371, Trim 05-14X291 to 15" long.
- CC/LB 8'ft box (176" WB) No Trim required, use both 05-14X371 and 05-14X291

**Step 10:** Install the front mid-pipe into the muffler 05-14X371. If used, install the rear mid-pipe (05-14X291) into the front mid-pipe, slide a band clamp over the tube, and loosely tighten the band clamp.

**Step 11:** Slip a band clamp over the front of the tail pipe and then slip the tail pipe into the over-axle.

**Step 12:** Install the over-axle/tail pipe assembly into the mid pipe and slide the tail pipe hanger into the vehicle.

**Step 13:** Install the remaining hanger clamp into the vehicle with the hangers facing forward. Loosely tighten the u-bolt to clamp the over-axle to the mid-pipe.

**Step 14:** If used, place tips at desired position with logo of aFe badge facing the rear of truck and loosely tighten.

**Step 15:** Adjust entire exhaust system to align correctly. Then begin tightening all band clamps and hardware, starting at the front-pipe flange. Continue this process to the back of the exhaust. The tips should be last band clamps to be tighten.

**Step 16:** Remove all tools and support stands. Start vehicle and check for exhaust leaks. Tighten any leaking joints.

**Step 17:** Installation is complete. aFe recommends tightening all exhaust components after 50-100 miles.

### NOTES:

- aFe recommends that the tailpipe be at least 1/2"-1" away from any body panels to avoid heat related body damage. **Tighten and secure.**
- Controller/Programmers are required to operate this system.