



## STOP READ THIS WARNING!

Make sure you test fit these exhaust components BEFORE any cutting, welding or unnecessary bending is done. Once modified, the components of the system are NOT RETURNABLE.

If you are unsure of the proper installation procedures or fitment, please contact a qualified exhaust shop or call our tech lines toll free at 800-421-3890 or visit our installation gallery at: [www.pypesexhaust.com/install](http://www.pypesexhaust.com/install)

One of our experienced exhaust techs will be glad to assist you in any way. Thanks and enjoy you new...

Pypes Performance Exhaust!

SCROLL DOWN FOR INSTRUCTIONS



## SFT16V / SFT19V

409 Stainless Steel Cat-back exhaust systems for  
1987-08 Ford F-150

**SFT16V:** 1998-03 F150

**SFT19V:** 2004-08 F150



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Thanks again for purchasing your new 409 stainless steel Pypes Performance Exhaust Cat-back system. Please be sure to confirm all the components in the kit were received in your shipment before beginning installation. These kits will include (1) cat-back midpipe, (1) Muffler (2) Over-axle pipes from muffler, (1) LH tailpipe, (2) PVT10 (2) "S" bend tailpipe extensions, (2) 12" polished tips, (5/6) 2-1/2" clamps, (1) 3" clamp, (4) HVH17S Clamp/hanger combo, (1) HVH60 hanger, (1) HVH60R rubber isolator and mounting hardware. If you find any component missing, please contact our office at 800-421-3890 for replacement. Installation of this kit will require some simple hand tools; box wrenches, deep sockets w/ ratchet, extension, a saws-all and some penetrating lubricant. For a quicker and tighter installation, air tools are recommended. Fully welding the system is optional. Technical assistance is available both online at [www.pypesexhaust.com](http://www.pypesexhaust.com) or 800-421-3890. Also our online Installation Gallery is a great assistant during your installation, [www.pypesexhaust.com/pictures.html](http://www.pypesexhaust.com/pictures.html).

**Note:** Pypes Performance Exhaust Cat-back truck systems are designed to fit stock height vehicles with OEM hitches and spare wheel and tire combos. Vehicles with aftermarket components such as trailer hitches, larger spares or ride height changes may require modifications to the system for proper fit.

- (A) Mid-pipe
- (B) Muffler
- (C) Over-Axle Pipes
- (D) LH Tailpipe
- (E) "S" Bend Tailpipes
- (F) Tips
- (G) HVH17S Clamp/Hanger
- (H) HVH60 / HVH60R

1. Begin by placing the vehicle on a lift or four jack stands at maximum height to aid in an easier installation. To help ease the installation, pre-fit all the components into a complete system on your garage floor, using the diagram provided.

2. Remove the existing exhaust starting with the tailpipe first. Cut the tailpipe off just behind the muffler, remove. Cut the muffler out next. Remove the pipe from the muffler to the catalytic converter.

3. Now it's time to install your new components. Begin by choosing the proper after cat mid-pipe for your application. Most kits are supplied with two options depending on cab and wheelbase. It is really simple to determine the one used without measuring, the outlets of the muffler should land just under or just in front of the factory muffler hanger on the truck. Here is a quick reference chart with approx. required cutting measurements:

- SFT16: Use MFT16 stock length
- SFT19: Reg Cab: 6.5' bed 126"WB trim 11" off, 8'bed 144.5"WB no trim  
Super Cab: 5.5' bed 132.5"WB trim 4.5" off, 6.5'bed  
144.5"WB no trim; 8.0' bed 163"WB no trim add MFT19B  
Super Crew: 5.5' bed 138.5"WB trim 1.5" off, 6.5' bed  
150.5"WB no trim add MFT19B trim 15" off

4. Install the proper mid pipe for your application. Be sure to slide the necessary clamps on the pipe before sliding it into the muffler. With the muffler installed, the outlets should land closely under the muffler hangers. Install 2 clamps on the outlets of the muffler.

5. You can now install the two over axle pipes onto the outlets of the muffler. The driver side pipe is bent to travel around the spare tire. Install two HVH17S hangers, one on each over axle pipe and hang in the factory rubber muffler hangers. The threaded rod on the hanger allows for height adjustability. Snug up the clamps to hold the muffler in place.

6. Next, install the PVT10 "S" bend tailpipe extensions. One HVH17S should be slide over each tailpipe, adjust the threaded rods to the correct hanging height. The passenger side hanger will slip into the factory rubber hanger. The driver side will require the provided HVH60 hanger to be bolted using 5/16" bolts to the frame rail approx. 18" from the rear bumper. Slide rubber isolator over hook.

7. Now install the tips with the HVC21 clamps.

8. Finish the system by making all your final adjustments to position of the muffler, over axle pipes, tailpipes and tips. Now tighten all the clamps and hangers in the desired locations (Warning: tightened clamps will leave marks in the tubing, making removal or adjustments extremely difficult) or for the best fit weld all the slip joints. A minimum of 1/2" of clearance should be maintained around all piping. All clamps should be tightened to 65 ft lbs and should be checked after the first 50 miles. The 409 stainless can be welded with your standard mig welder, and is highly recommended when possible.

**Now it's time to fire up that muscle truck and enjoy your new Pypes Performance Exhaust.**

