

## SGT22V / SGT27V

409 Stainless Steel Cat-back exhaust systems for  
1999-08 GM 1500 series

**SGT22V:** 1999-06 1500 Ext Cab Short Bed

**SGT27V:** 2007-08 1500 119" & 143.5" WB



**Pypes Performance Exhaust**  
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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 "S" bend tailpipe extensions, (2) 12" polished tips, (5) 2-1/2" clamps, (1) 3" clamp, (2/3) band clamps, (4/5) clamp/hanger combo, (2) TPHV6 hanger blocks and mounting hardware. The kit you purchased includes an 18" Violator muffler. 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. 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.

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:

- SGT22: MGT22 will bolt directly to the factory flange just after the cat, no trim required.
- Reg. cab std box: Trim 11.5" from muffler forward/ Trim 4.5" off mid-pipe MGT27B
- Ext cab std box: Trim 15.5" from muffler forward, no additional trim
- CC short box: Trim 15.5" from muffler forward, no additional trim

4. Install the proper mid pipe for your application. Be sure to slide HVC53 & HVH19S on the pipe before sliding it into the muffler. With the muffler installed, the outlets should land closely under the muffler hangers. Install 2 HVC50 clamps on the outlets of the muffler.

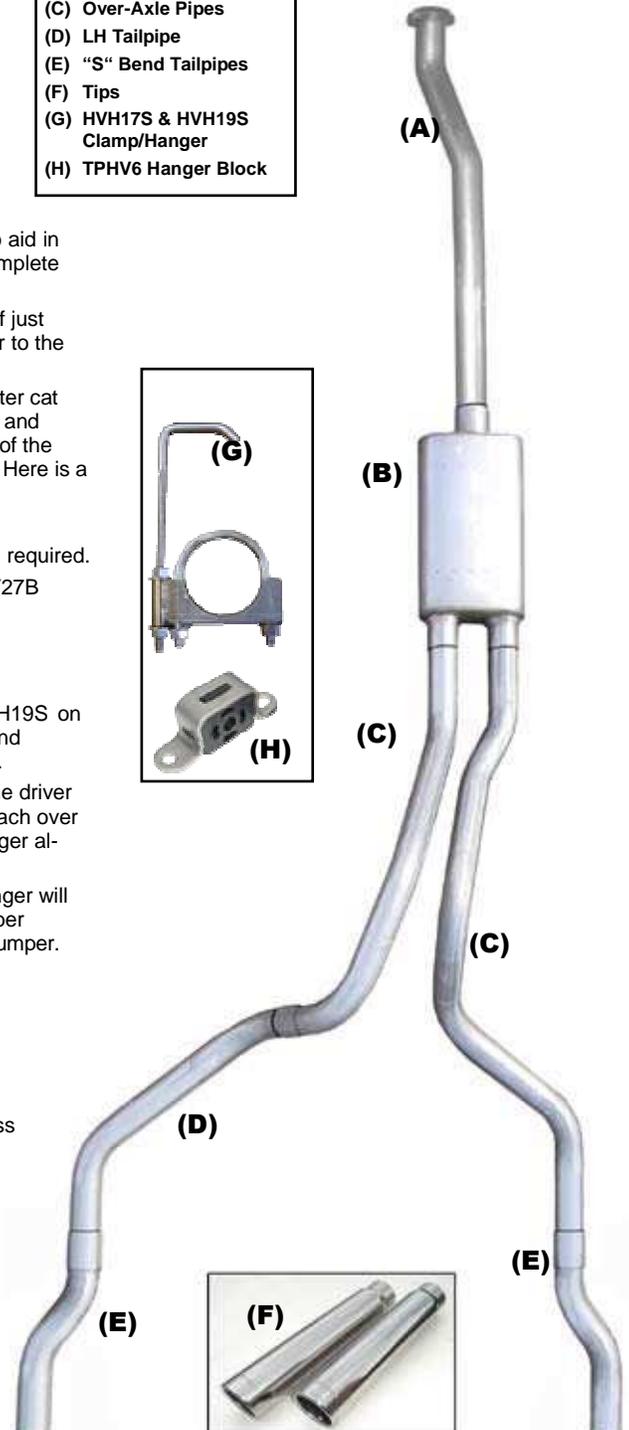
5. You can now install the two over axle pipes onto the outlets of the muffler. The driver side pipe is bent to travel around the spare tire. Install two HVH17S hangers, one on each over axle pipe and hang in the factory rubber muffler hangers. The threaded rod on the hanger allows for height adjustability.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

6. Next, install the PVT10 "S" bend tailpipe extensions. The passenger side hanger will slip into the factory rubber hanger. The driver side will require the provided TPHV6 rubber block hanger to be bolted using 5/16" bolts to the frame rail approx. 18" from the rear bumper.

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.

- (A) Mid-pipe
- (B) Muffler
- (C) Over-Axle Pipes
- (D) LH Tailpipe
- (E) "S" Bend Tailpipes
- (F) Tips
- (G) HVH17S & HVH19S Clamp/Hanger
- (H) TPHV6 Hanger Block



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