



## 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



## SDT16V/SDT17V/SDT19V

409 Stainless Steel Cat-back exhaust systems for  
Dodge 1500 & 2500 series

**SDT16V:** 2002-05 RAM 1500 non-Hemi

**SDT17V:** 2003-05 RAM 1500 Hemi

**SDT19V:** 2002-08 RAM 2500



**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 mid-pipe adapter, (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, (2) HVC21 Band Clamps, (2) 3" clamp (SDT19V only), (4) HVH17S Clamp/hanger combo, (1) HVH19S Clamp/hanger combo, (1)TPHV6 hanger blocks, (1) HVH60/HVH60R (SDT19V only) and mounting hardware. 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.

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 as close as you can to the front of the muffler and leave the mid-pipe connected to the catalytic converter.

3. Start by hanging the muffler in the stock location. Attach (2) HVH17S to the outlet of the muffler. Install them in the factory isolators and support the muffler. The threaded rods on the hanger allow for height adjustment. This will be done later.

4. Install the over the axle tailpipes (c) into the outlets of the mufflers and snug the pipes to hold them in place. Install (D) around the spare tire. Install (1) HVC50 at that joint and snug to hold pipe.

5. Next, install the PVT10 "S" bend tailpipe extensions onto the ends of the tailpipes. Install (2) HVH17S clamp/hangers where these 2 pipes meet on each side. Hook the threaded rod on the passenger side to the existing factory isolator.

6. On the driver's side, depending on which kit was purchased, either install (H) or (I/J) onto the frame approximately 18" from the rear bumper using the hardware provided. Hook the driver's side clamp/hanger into the newly installed isolator.

7. Now install the tips with the HVC21 clamps and snug them.

8. Now time to install the mid-pipe. The (A) supplied goes into the inlet of the muffler approx. 2-3". Insert (A) onto the factory mid-pipe so that it will fit OVER this pipe and bottom out. Make a line on your existing mid pipe with a marker. Remove it and record that measurement. Now re-insert (A) back into the muffler (bottom it out) and install HVH19S. Snug it up. Trim off enough factory mid-pipe so that (A) will bottom out in both the muffler and the factory mid-pipe. Install HVC53 at the connection of (A) to the existing factory mid-pipe.

9. 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). 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 is desired.

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

- (A) Mid-pipe
- (B) Muffler
- (C) Over-Axle Pipes
- (D) LH Tailpipe
- (E) "S" Bend Tailpipes
- (F) Tips
- (G) HVH17S Clamp/Hanger
- HVH19S 3" Clamp/hanger
- (H) TPHV6 Hanger Block
- (I) HVH60 Hanger
- (J) HVH60R Isolator

