



**Installation Manual v1.0:
Single 4" Stainless Steel Exhaust System
1999.5 & Newer Ford Power Stroke**

Please read all instructions before installation.

Thank you for purchasing the ATS Stainless Steel Exhaust System. This manual is to assist you with your installation of the system. If you are installing this system for a customer, *please pass this manual on to your customer* for future reference.

1) Removing the old Muffler and Tailpipe

Using a Sawzall, cut off the down pipe approximately 6" in front of the transmission cross member. Now cut off the tailpipe approximately 3" from the rear of the muffler. Now, using a spray lubricant, lubricate the four exhaust hangers that hold the tailpipe and muffler into the stock rubber hangers. Next, using a pry bar, remove the four exhaust hangers from the rubber exhaust mounts. Remove the muffler and tailpipe sections from the vehicle.

2) Removing the old Down Pipe

Using a deep 7/16" socket, remove the v-band clamp that holds the down pipe to the turbo. If the v-band clamp will not release then use a rubber mallet to tap the cut end of the down pipe, this will usually free the clamp.

Note: On some early 1999 models it is important to relocate the ground strap on the back of the engine block to prevent the down pipe from hitting. Check the clearance before securing the down pipe.

3) Installing the new Down Pipe

Install the ATS 4" Down Pipe using the stock v-band clamp. Use a deep 7/16" socket to tighten the clamp. Once the down pipe is snug, make sure that the down pipe outlet is straight underneath the vehicle. When straight, tighten the clamp completely.

4) Installing the new Offset Pipe

Install the short end of the offset pipe toward the front of the vehicle. Using the 4" butt-joint band clamp (CBC400L) supplied in the kit, connect the down pipe and offset pipe together using a 9/16" socket. Now install the front L-hanger (ER400SS) using the factory rubber mounts and tighten using a 9/16" box-end wrench.

Note: Mark the exhaust tube with a magic marker 1 1/2" from the end of the pipe. This makes it easier to center the butt joint clamp before tightening.

5) Installing the new Straight Pipe

Next, install the 4" Stainless Straight Pipe by sliding the expanded end 3" onto the rear offset pipe. Use a narrow band clamp and tighten using a 15mm socket. Next, install the rear L-hanger (ER400SS) using the factory rubber mounts and tighten using a 9/16" socket.

Note: It may be necessary to cut the straight pipe to fit your model.

Crew Cab Long Box: No cutting required

Crew Cab Short Box: Cut 16" off rear of straight pipe

Extended Cab Long Box: Cut 14" off rear of straight pipe

Extended Cab Short Box: Cut 30" off rear of straight pipe

6) Installing the new Muffler

Install the new rear muffler-hanging bracket (ETH400) into the factory rubber hanger. On the new muffler "ATS" is stamped on the outside, the muffler is to be installed so that the "A" is towards the front of the vehicle and the "S" towards the rear. Now slide one 4" narrow band clamp onto the straight pipe and slide the muffler 3" onto the straight pipe. Tighten the narrow band clamp using a 15mm socket. Install the front muffler hanger into the factory rubber hanger and clamp between the front of the muffler and the narrow band clamp.

7) Installing the Tailpipe

Slide the clamp (CEX400) over the rear of the muffler and hook it to the rear muffler hanger (ETH400), leave the clamp loose for now. Install a narrow band clamp over the rear of the muffler and leave loose. Now slide the short end of the tailpipe up and over the rear axle and slide it 3" into the muffler. Next install the rear tailpipe so that the tow 9/16" nuts are facing the spare tire and leave loose. Stand behind the vehicle and make sure that the end of the tailpipe is parallel with the bottom of the vehicle, if not, rotate tailpipe so that this can be accomplished. Using a 15mm socket, tighten all 4" clamps that were left loose.

8) Installing 5" Stainless Tip

First slide a 4" narrow band clamp onto the tailpipe, then slide the 5" stainless tip onto the tail pipe and position it to fit your personal preference. Now, slide the narrow band clamp over the end of the tip and tighten clamp using a 15mm socket.

Have Any Questions?

Thank you for purchasing the ATS Stainless Steel Exhaust System. Please check our website at <http://www.atsdiesel.com> for technical support and other performance products such as the Five Star torque converter, ATS High Performance Valve Body and ATS High Performance Transmission along with our full line of power enhancers. Please call or e-mail our Technical Service Department, 8:00am to 5:30pm Mountain Standard Time, Monday through Friday.

Contact Information

Toll Free: 800-949-6002

Local: 303-431-7973

Fax: 303-431-01135

Website: www.ATSDiesel.com

Email: info@ATSDiesel.com

We strive to make our instructions as clear and complete as possible. To achieve this, our instructions are under constant construction. We encourage you to visit our Technical Support Website (<http://www.atsdiesel.com/ATSWebsite/Technical.asp>) to check for the **most up-to-date manuals and diagrams** as well as other information. If you have any suggestions as to how we can improve this installation manual, let us know at Suggestions@ATSDiesel.com

ATS Diesel Performance
Limited Warranty Statement

ATS Diesel Performance warrants the original purchaser that any parts purchased shall be free from defects in material and workmanship. ATS Diesel Performance is the warrantor of this product, in the event this produce is purchased form a distributor or retailer other than ATS Diesel Performance the customer must contact ATS Diesel Performance for any warranty concerns, not the purchasing dealer. A defect is defined as a condition that would render the product inoperable. This warranty does not cover deteriorating of plating, paint or any other coating. ATS liability is limited to the repair or replacement, at ATS's option, of any warrantable product returned prepaid with a complete service history and proof of purchase to the factory. A valid proof of purchase is a dated bill of sale. Repaired or replaced, product will be returned to the customer, freight collect on a like-for-like part number basis. Accepted warranty units, which have been replaced, become the sole property of ATS.

A Return Product Authorization number obtained in advanced from an ATS customer service representative must accompany products returned for warranty determination. ATS will be the final authority on all warranty decisions.

This warranty shall not apply to any unit which has been improperly stored or installed, subjected to misapplication, improper operating conditions, accidents, or neglect; or which has been improperly repaired, altered or otherwise mistreated by the owner or his agent.

This warranty shall terminate at the end of 12 months in service with the original user. Labor cost incurred by the removal and replacement of an ATS product, while performing warranty work, will be the responsibility of the vehicle owner; in no case does the obligation of ATS Diesel Performance exceed the original purchase price of the product as indicated on the original bill of sale.

Except as set forth in this warranty, ATS disclaims any implied warranty, including implied warranties of merchantability and fitness for a particular purpose. ATS also disclaims any liability for incidental or consequential damages including, but not limited to, repair labor, rental vehicles, hotel costs or any other inconvenience costs. This warranty is in lieu of all warranties or guarantees, either expressed or implied, and shall not extend to any customer or to any person other than the original purchaser residing within the boundaries of the continental US or Canada.

©2005 ATSDiesel.com