



Installation Instructions

USE AND WARRANTY DISCLAIMER

SuperTrapp Industries, Inc. of 4540 W. 160th Street, Cleveland, Ohio 44135 (SuperTrapp), warrants its SuperTrapp products against defects in factory materials and workmanship for one year from the date of purchase or until ownership in the product is transferred, whichever occurs first, subject to limitations below.

Under this warranty, SuperTrapp will repair or replace defective, covered parts, at option, or provide a replacement unit. SuperTrapp makes no warranty with respect to components of the SuperTrapp product not manufactured by SuperTrapp, including, but not limited to the following: clamps, nuts, bolts, packing, boots and hoses. Repair by SuperTrapp or replacement are the exclusive remedies under this written warranty or any implied warranty. SuperTrapp will not pay for the cost of removal or re-installation of the unit from any vehicle or for delivery and pick up of the unit. To obtain service under this warranty, the original purchaser must give specific written notice to his or her dealer within fifteen (15) days after discovery of any claimed defect in the unit, and must return such unit to the dealer within a reasonable time thereafter at the cost of the original purchaser.

This limited warranty is the only express warranty applicable to SuperTrapp product. Any implied warranty of merchantability or fitness for a particular purpose is limited in duration to the duration of this written warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

SuperTrapp shall not be responsible for any consequential, special or incidental damages of any nature including but not limited to the loss of use of any vehicle on which the unit may be installed and the cost of obtaining another substitute product. Some states do not allow the exclusion or limitation of incidental or consequential damages so this limitation or exclusion may not apply to you.

This warranty is valid only if proper size of the unit is installed, operated and maintained in accordance with factory instructions. This warranty does not cover any damage caused by (i) modification or alteration of the unit; (ii) improper installation, maintenance, operation or use; (iii) accident; (iv) servicing or repair by anyone other than SuperTrapp or its authorized agents.

CAUTION!: Warranty does not cover chrome discoloration. You can minimize this problem by thoroughly cleaning and polishing the system before initial start-up, being sure the fuel mixture is not too lean, and preventing long periods of engine idle.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Outside the United States, a different warranty may apply. For details, please contact your authorized SuperTrapp distributor.



Since 1975, SuperTrapp has built a reputation on innovation and technical superiority. SuperTrapp® R&D is constantly designing, testing and improving; providing you with the latest in state of the art performance engineering. SuperTrapp® products are absolutely the best performance items available. They will provide years of trouble-free service.

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SuperTrapp True Dual Head Pipes, with Heat Shields

168-71580 For Harley-Davidson® FLH/FLT Touring® Models

STOCK SYSTEM REMOVAL:

1. Remove the stock exhaust system as described in your service manual. Retain the flange nuts for the new system installation. Remove floorboard to ease exhaust removal.
2. Remove the stock snap rings and flanges from the head pipes and retain for the new system installation.
3. Remove the oxygen sensors from the front and rear head pipes and retain for new system installation.
4. Remove Factory transmission mount. Reinstall the factory transmission bolts and torque to factory specifications.
5. Remove the rear head pipe mount bracket located behind the oil pan. Retain screws for new system installation.
6. The exhaust gaskets should be replaced to achieve a proper fit and seal. Replacement gaskets are available from your Harley Davidson dealer, part number 65324-83A.

SYSTEM INSTALLATION:

1. Install stock flanges and snap rings on both head pipes.
2. Apply a **very light coating** of anti-seize to the threads of the oxygen sensors and install in new head pipes. **VERY IMPORTANT:** Apply anti-seize to the threads of the oxygen sensor **ONLY**. Contamination of the sensor probe can adversely affect engine performance.
3. Install the new rear mount bracket to the oil pan location using the factory screws. Tighten to factory specifications. (*See figure 1*).
4. Open up and slide the hose clamps into the brackets on the back of the front and the rear shields. Orient the clamps to gain the easiest access to tighten them while the head pipe is mounted on the bike.
5. Slide a P-clamp onto the rear head pipe from the outlet end of the pipe. (*See figure 2 for orientation*). Align the P-clamp with the notch in the heat shield and install the rear heat shield on the head pipe. Tighten clamps only enough so that they can be moved for alignment when the head pipe is mounted on the bike.
6. Mount the rear head pipe using the stock flange nuts. Slide a second P-clamp over the outlet end of the pipe and align with bracket on oil pan. Install a 5/16-18"x 1.0" bolt, (2) 5/16" flat washers and a 5/16" nylock nut. (supplied). (*See figure 1*). **DO NOT TIGHTEN.**
7. Slide a P-clamp onto the front head pipe from the outlet end of the pipe (*see figure 2 for orientation*). Position the P-clamp approximately 4 1/2" after the first bend, but not past the second heat shield clip. Install the front heat shield to the head pipe. Tighten the clamps only enough so that they can be moved for alignment when the head pipes are mounted on the bike.
8. Mount the front head pipe using the stock flange nuts. Align the P-clamp with the P-clamp on the rear head pipe and install a 5/16-18"x 1.25" bolt, (2) 5/16" flat washers and a 5/16" nylock nut (supplied). (*See figure 2.*) **DO NOT TIGHTEN.**

SYSTEM INSTALLATION: (CONTINUED)

9. Slide a T-bolt clamp onto the slotted end (**inlet**) of the left side S-bend pipe. Slide the inlet end onto the outlet of the rear head pipe. There should be approximately 1 1/2" of engagement to the rear pipe. (*See figure 1*) **DO NOT TIGHTEN!**
10. Reinstall the left and right side mufflers using supplied T- bolt clamps and the stock 5/16" bolts and lock washers.
11. Align the system and tighten all fasteners and clamps, except for the heat shields, starting at the flange nuts working back to the mufflers.
12. Align the front and rear heat shields and tighten all clamps.
13. Install the hose clamps in the brackets on the back of the left side S-bend shield. Orient the clamps to gain the easiest access to tighten them while the S-bend is mounted.
14. Install heat shield on S-bend. Align shield and tighten clamps.
15. Reconnect oxygen sensors to wiring harness.
16. Re-install the right side floorboard.

IMPORTANT: AFTER A SHORT RIDE CHECK AND RETIGHTEN ALL FASTENERS



Figure 1

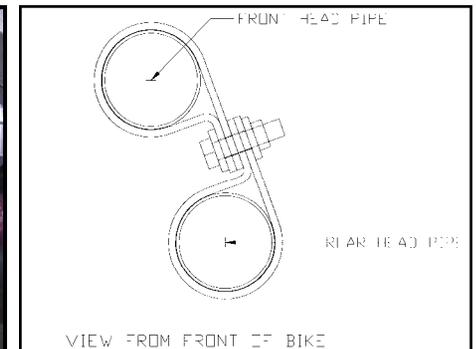


Figure 2

TUNING TIPS:

For maximum performance gains, we suggest using a free-flowing air filter kit with this exhaust system. As always, making performance modifications may affect the fuel delivery system of your motorcycle. It is recommended by Supertrapp to have your motorcycle tuned to ensure maximum performance and reliability. This work should always be performed by a certified technician.