

## 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 or too rich, 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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## Installation Instructions



## Fatshots 2:1 System

**828-74802** Chrome 2:1 For Harley-Davidson® FLH/FLT Touring® Models.

**827-74802** Black 2:1 For Harley-Davidson® FLH/FLT Touring® Models.

## PRE-INSTALLATION NOTES:

You must use the cone shaped exhaust gaskets (HD part #65324-83A), stock Harley-Davidson flanges and snap rings with this exhaust system. Do not use the flat type gaskets with our head pipe.

## STOCK SYSTEM REMOVAL:

1. Remove the right side floorboard and retain for new system installation.
2. Remove the stock exhaust system as described in your service manual. Retain the flange nuts and the head pipe mounting clamp with nut for the new system installation. (**Figure 1**),
3. Remove the stock snap rings and flanges from the head pipes and retain for the new system installation.
4. Remove the oxygen sensors from the front and rear head pipes and retain for new system installation.
5. Inspect and replace the exhaust gaskets to achieve a proper fit and seal.

## SYSTEM INSTALLATION:

1. Mount the discs/end cap on muffler. *See disc installation diagram*
2. Install the stock flanges and snap rings on both head pipes.
3. Apply a **very light coating** of anti-seize on the threads of the oxygen sensors and install in the new head pipe. (**VERY IMPORTANT:** Apply anti-seize to the threads of the oxygen sensors **ONLY**. Contamination of the sensor probe can adversely affect engine performance.)  
**NOTE:** *The oxygen sensor connectors are color coded for proper installation. The GRAY connector is for the FRONT head pipe sensor and the BLACK connector is for the REAR head pipe.*
4. Mount the head pipes using the stock flange nuts. **DO NOT TIGHTEN.**
5. Install the stock head pipe mounting clamp and nut. (**See Figure 1**) **DO NOT TIGHTEN.**
6. Slide the T-bolt clamp (supplied) onto the inlet end of the muffler. Slide the muffler onto the outlet end of the head pipe. **DO NOT TIGHTEN CLAMP.**
7. Attach the muffler to the stock muffler support using 5/16" bolts and lock washers (supplied). Tighten both bolts.
8. Align exhaust and tighten the rest of the hardware starting at the exhaust port flange nuts, then the head pipe mounting clamp, and finally the T-bolt clamp on the muffler.
9. Install the heat shields as outlined in the "HEAT SHIELD INSTALLATION" section on the next page.
10. Reconnect the oxygen sensors to the wiring harness.
11. Re-install floorboard using stock mounting hardware. Tighten to factory specifications.
12. Using a good quality glass cleaner, remove any dirt, oils, and fingerprints from all areas of the exhaust before starting the bike.

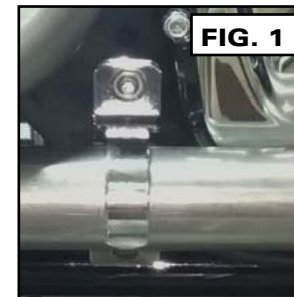


FIG. 1

## HEAT SHIELD INSTALLATION:

1. Slide the hose clamps into the slots on the back of each shield. Orient the clamps to gain the easiest access to tighten them while in position on the head pipe.
2. Install the heat shields on the head pipes and collector. The tabs on the front of the collector shield must fit into the clips on the end of the front and rear shields.
3. Tighten the shields starting with the rear shield, then the collector shield, and finally the front shield. Align the shields as you tighten to minimize the gap between the head pipe and collector shields.

**IMPORTANT: AFTER A SHORT RIDE CHECK AND RETIGHTEN ALL FASTENERS.**

## TUNING TIPS:

For maximum performance gains, we suggest using 22 discs and 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 fuel delivery system tuned to ensure maximum performance and reliability. This work should always be performed by a certified technician.

We **DO NOT** suggest removing the muffler packing material to "get more noise". Removing the packing will result in a loss of power, discoloration of the finish on the muffler, and potential failure of the core .

## END CAP & DISC INSTALLATION:

1. Stand the muffler on the bench with the outlet end pointing up.
2. Place the appropriate amount of discs and end cap on the outlet of the muffler. The flat surface of the discs should be against the core with the outer lip angled away from the muffler. Align the (6) screw holes with the threaded inserts in the muffler outlet. (SEE DIAGRAM)
3. Insert the screws through the end cap and discs and into the threaded inserts in the muffler outlet. (SEE DIAGRAM)
4. Tighten the screws evenly in a cross pattern, SEE DIAGRAM. The discs should be tightened to 15-25 in/lbs or once the screw head contacts the end cap tighten 2 full turns.

