

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



Installation Instructions



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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003-7682 2.22.16

SuperTrapp Fatshots 2:1

828-74682 Chrome 2:1 For Harley-Davidson®
FLST/FXST Softail® Models

REMOVAL OF STOCK SYSTEM:

1. Unplug the front & rear oxygen sensors from the stock wiring harness. **NOTE: The rear oxygen sensor connection is located under the seat in the battery compartment. You will have to remove the battery to remove the oxygen sensor completely!**
2. FLST MODELS ONLY: Remove right side floorboard. The floorboard will be re-installed after the new system installation.
3. Remove the stock exhaust system as described in the service manual. Retain the flange nuts for the new system installation.
4. Remove the snap rings and flanges from the stock head pipes and retain for new system installation. **NOTE: Replace snap rings if cupped or twisted and do not seat properly in the flange. HD part# 65325-83A.**
5. Remove both oxygen sensors from the head pipe and retain for new system installation. **CAUTION! Be careful not to damage or contaminate the tip of the sensors!**
6. Remove the main mount bracket. For models using the foot peg as a mount point, re-install the foot peg using the 3/8-16 x 2.50" socket head screw supplied in the hardware kit.
7. Remove transmission mount bracket. Replace the transmission bolts with (2) new 5/16 x 1.250" socket head screws and flat washers supplied in the hardware kit. torque these screws to 13-16 ft./lbs.
8. The exhaust gaskets should be replaced to achieve a proper fit and seal. **Use HD part# 65324-83A.**

SYSTEM INSTALLATION:

1. Mount discs/end cap on muffler. *See disc installation diagram.*
2. Install the new muffler mount bracket in the stock location on the frame. Use (2) 3/8" x .75" bolts, flat washers, and lock washers supplied. One flat washer needs to be placed between the bracket and the frame at each mount bolt. The other two flat washers go between the lock washer and the bracket at each mount. **DO NOT TIGHTEN.**
3. Install stock flanges on both head pipes.
4. Apply anti-seize to the threads of the oxygen sensors and install in new head pipes. (**CAUTION!** Apply a VERY LIGHT amount of anti-seize to the oxygen sensor threads ONLY. Contamination of the sensor probe can adversely affect engine performance.)
5. Mount the head pipe using the stock nuts. **DO NOT TIGHTEN.**
6. Slide two T-bolts (supplied) into the slotted bracket on the back of the muffler and install the T-bolt Clamp (supplied) onto the inlet end of the muffler.
7. Slide the muffler onto the outlet end of the head pipe. Align the T-bolts with the holes in the mounting bracket. Install the flat washers and locknuts onto the T-bolts. **DO NOT TIGHTEN.**
8. Align the system and tighten all fasteners and clamps starting at the mounting bracket and muffler and working up to the flange nuts.

CONTINUED

9. Reconnect oxygen sensors to wiring harness. Re-route the front oxygen sensor by removing the connector from the retaining clip and route down the right side frame rail. Secure with plastic tie-wraps included in hardware kit. Re-route the rear oxygen sensor around the back side of the frame down tube, between the first oil line.

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.
4. FLST SOFTAILS ONLY: Re-install the right side floorboard.

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

TUNING TIPS:

For maximum performance gains with stock tune, we suggest using 16 discs and a free-flowing air filter kit. Additional discs can be used but will require performance tuning. This work should always be performed by a qualified 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 mechanical portion 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. 4" discs should be tightened to 15-25 in/lbs and 5" discs to 40-50 in/lbs or once the screw head contacts the end cap tighten 2 full turns.

