

**THANK YOU FOR  
YOUR SUPERTRAPP PURCHASE!**



**SUPERTRAPP INDUSTRIES, INC.**

## **SUPERTRAPP "XR" SERIES**

### **HARLEY-DAVIDSON SPORTSTER MODELS**

**1986 - '93**

### **SATIN FINISH STAINLESS STEEL**



**PART NUMBER: 815-70883**

Since 1975, SuperTrapp has built a reputation on innovation and technical superiority. SuperTrapp R&D is constantly designing, testing and improving the latest in state-of-the-art performance. After extensive testing, SuperTrapp brings to you the most advanced exhaust system ever built for Sportster engines.

## INSTALLATION

1. Remove current exhaust system. Remove stock exhaust flanges and snap rings and save. You will use them with the SuperTrapp headpipes.
2. Install stock flanges and snap rings onto SuperTrapp headpipes. Install headpipes into ports being sure to replace exhaust gaskets if necessary. Rotate into approximate position. Do not tighten. *NOTE: Front headpipe goes to the outside of rear headpipe and is the top muffler. Refer to picture if unsure.*
3. Remove top acorn nut from shock mount. Install SuperTrapp stud mount (provided) and tighten.
4. Install SuperTrapp strap mount bracket over stud and install acorn nut. Do not tighten.
5. Slide top megaphone (front cylinder, bracket on bottom, SuperTrapp logo facing up) onto front exhaust pipe utilizing T-bolt clamp (provided).
6. Slide bottom megaphone onto rear headpipe utilizing T-bolt clamp (provided). *NOTE: Megaphone mounting brackets lay flat against one another. Top megaphone bracket goes against strap bracket, bottom megaphone bracket lays against it.*
7. Install bolt, nut and washers provided. Do not tighten.
8. Adjust entire exhaust system assembly for proper alignment. Tighten in the following sequence; exhaust port nuts, megaphone T-bolt clamps, mounting strap bracket, megaphone mounting brackets.

## INSTALLING/CHANGING DIFFUSER DISCS

When assembling or changing discs, apply a small amount of high temperature lube (supplied) to the threads of each cap screw. Tighten in a cross pattern until snug. The screws provided will accommodate up to 21 diffuser discs.

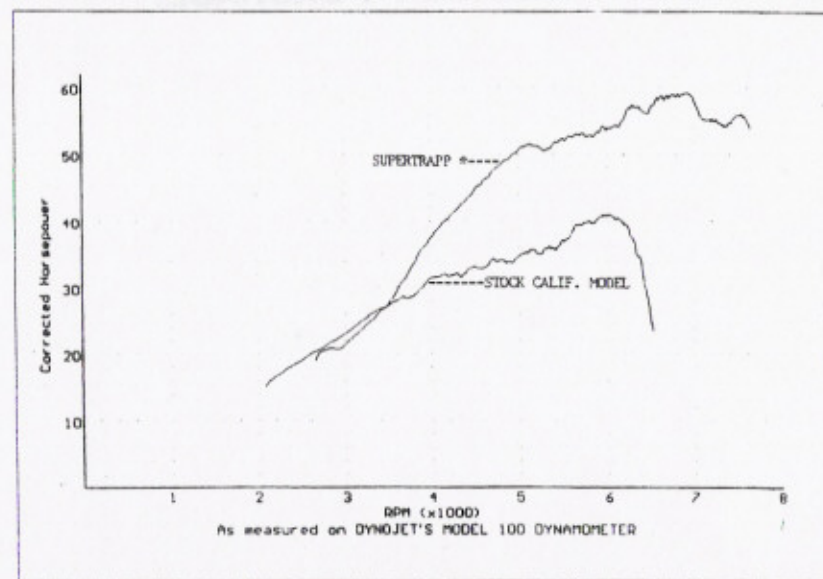
## TUNING INFORMATION

On a stock engine, 12 discs (standard) will provide a good base for all-around performance. It is highly recommended that an aftermarket jet kit be purchased for optimum performance.

Refer to the general tuning guide for guidelines as to what occurs when adding or subtracting discs. The minimum number of discs that should be used is 8.

If further technical information is needed, please contact our customer service department at (916) 372-5000. Hours are 8:00am - 12:00pm and 1:00pm - 5:00pm P.S.T.

See your local dealer for the full line of accessory and replacement parts, including diffuser disc 6-packs or 12-packs, replacement bolts, repack kits, end caps, etc.



\* DYNO GRAPH SHOWN IS WITH 23 DISCS, CLOSED END CAPS, SCREAMING EAGLE AIR CLEANER & MODULE, FRESH VALVE JOB, .005 OVER PISTONS, JETTING KIT AND SLIGHTLY ADVANCED TIMING. YOU WILL GAIN ALMOST 18 HORSEPOWER OVER STOCK ON AN 883 MOTOR.