

## QUIET SERIES TUNING

The Quiet Series combines an efficient reverse flow core with the tuneable diffuser disc outlet. For stock engines and jetting, 6 to 8 discs is ideal. Unlike the Racing Series, the core itself does provide some back pressure that can not be eliminated simply by adding discs. For this reason, 10 to 12 discs is the practical maximum that should be used. In other words, adding more discs will not reduce the overall back pressure further. **Important:** On quiet series mufflers, when using 10 discs or less, use the 8/32" x 1 1/4" fastener (provided). Using the 8/32" x 2" fastener with 10 discs or less will bottom out on the core.

## RACING SERIES TUNING

The Racing Series uses a straight through perforated core. Back-pressure is controlled entirely by the discs since the core itself adds no back-pressure. This gives almost infinite tuneability to match any degree of engine modification. Eight to ten discs will work best on a stock engine with stock jetting.

## ACCESSORIES & REPLACEMENT PARTS

When ordering accessories or replacement parts you may need the part number of this silencer. Please record the part number and date of manufacture here.

Part No. \_\_\_\_\_ Date of Manufacture \_\_\_\_\_

Endcap Assembly with Nameplate and Rivets	305-3525
3 Bolt Open End Cap (Closed Course Comp. Only)	304-3034
High Temp Lube	090-2622
Disc Pack (6 Discs)	304-6506
Disc Pack (12 Discs)	304-6512
Racing Core	300-2213
Quiet Core	301-2212
Silent Sport Packing-Racing	300-3511
Silent Sport Packing-Quiet	301-3211

## CUSTOMER SERVICE

**Call Dealership or Point of Purchase** in which the exhaust was purchased for questions on returns, repairs, or fit and finish of SuperTrapp® products.

**Call SuperTrapp Customer Service** for technical questions between 8am-5pm Eastern Time, (216) 265-8400, or by fax, (216) 265-0130.

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. The SuperTrapp® IDS2™ Quiet Series and Racing Series are absolutely the best bolt-on performance items available. They will provide years of trouble-free service.

SuperTrapp® Industries, Inc.

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IDS2™ Internal Disc Series

# KTM 400/620/640

611-9600 QUIET SERIES

613-9600 RACING SERIES

## STOCK SYSTEM REMOVAL

- 1 Remove the left side number plate.
- 2 Remove the springs at the muffler inlet.
- 3 Remove bolts at frame mounts and remove the muffler.

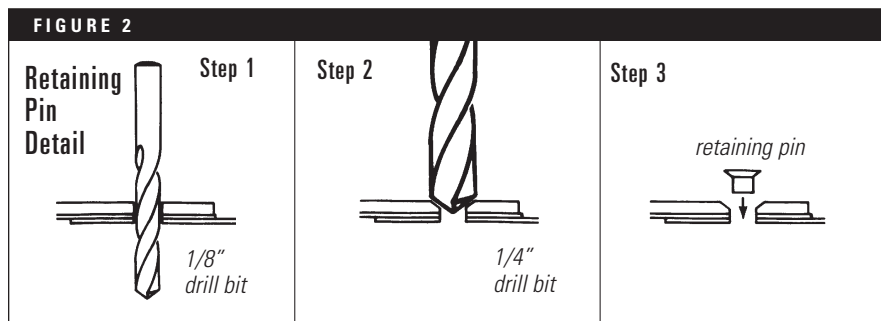
## SUPERTRAPP® INSTALLATION

- 1 Install new S-bend onto the resonator box re-using the stock springs.
- 2 Mount S-bend to stock frame mount.
- 3 Slip T-bolt clamp onto muffler and slide onto the S-bend. (640): You will use supplied bolt and remove the stock spacer on the muffler mounting area.
- 4 (400,620): Install OEM bolt through muffler bracket and hanger using new washers in place of stock washers. (640): Use new bolt and washers, without spacer.
- 5 Tighten S-bend to frame mount bolt/nut then, with spring tabs lined up, tighten the S-bend to muffler T-bolt clamp.
- 6 Re-install the number plate.
- 7 Loosen silencer to inlet pipe clamp and install "Retaining Pin", (see instructions below, Figs. 1 & 2).



## RETAINING PIN INSTALLATION

- 1 Loosen T-bolt clamp and slide up S-bend.
- 2 Mark hole placement with center punch and drill a 1/8" hole (see Figure 2). **Note:** before you drill, make sure you drill through the perforated steel core and not the slotted portion.
- 3 Using only the tip of a 1/4" drill bit, carefully counter-sink the hole for flush installation of the retaining pin (see Figure 3).
- 4 Drop retaining pin in the hole, slide clamp over retaining pin and tighten T-bolt clamp.



## END CAP & DISC INSTALLATION

Apply supplied Hi Temp Lube to threads of end cap screws. Insert screws through the end cap, then the disc with no center hole, followed by the disc stack. The disc outlets should point towards the end cap. Hold the silencer body horizontal, insert the entire assembly into the body using the supplied hex key inserted into one of the screws as a handle. Rotate the silencer vertically so the discs drop against the core. Tighten screws in a cross pattern to approximately 15 in.-lbs. torque. It is essential that they are torqued evenly.

## GENERAL TUNING

SuperTrapp® exhaust systems are uniquely tuneable. Back pressure and noise level are controlled by the number of discs used. Adding discs creates a larger exhaust outlet which reduces back pressure and increases sound level. Richer jetting will be required in this case to match air flow. Using fewer discs decreases the exhaust outlet, which increases back pressure and reduces sound level.

All SuperTrapps® are USFS Approved Spark Arrestors and are legal regardless of the number of discs installed, providing the closed end cap is used. The optional Open End Cap is designed for Closed-Course-Competition only and will void the spark arrestor function. All systems are supplied with 12 discs (plus one blank disc described above) to provide a range of tuneability. Additional discs are available in 6 or 12 packs.

## QUIET SERIES VERSUS RACING SERIES

The Quiet Series is designed to achieve significant increases while retaining near stock noise levels. For stock and mildly modified engines, the Quiet Series will offer the same performance advantage as the Racing Series but with significantly lower sound.

The Racing Series is designed for Closed-Course-Competition only. It will not meet the necessary sound regulations for street or trail use. Replacement cores are available to convert from Racing to Quiet or Quiet to Racing Series.

## QUIET SERIES TUNING

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