



INSTALLATION OF INTERNAL THROTTLE ASSEMBLY GP#213 & GP#100

Tools required:

- 3/32 Allen Key
- Drill Number 25
- 10-24 NC Tap
- Hacksaw
- Hand File

**“READ DIRECTION CAREFULLY
BEFORE INSTALLATION”**

1. Position and loosely fasten all controls and housings, in order, onto 1”o.d. bar ends. Do not forget to include grip length. Note any extra length of bar is to be removed. Length may vary depending on parts selected. Squarely cut bars ends to size if necessary.
2. After bar ends are cut to size, mark off and cut another 4” exactly and as squarely as possible, from throttle side bar end only. This will allow space for the internal throttle assembly.
3. On throttle side of handlebar, measure 1 7/16” (one and seven-sixteenths inch), in from the end, and center punch bar, in its center. Drill completely and squarely through the tubing with a #25 drill. Tap the holes with a 10-24 NC Tap. (Shim included for thin wall bars must also be drilled where required)
4. Choose a routing path for throttle cable to enter hollow riser bolt from below (Its is better to route cable on opposite side of throttle for smooth flowing action). Push cable up through riser and out through handlebar end. Seat outer cable housing into cable button (crazy glue or epoxy outside sleeve to cable button), and then extend the cable wire into puller. Tighten setscrew on puller to bite into cable tightly. Push both parts back into handlebar until the groove in cable button aligns underneath the tapped 10-24 screw holes in bar end. Install screws and tighten down, making certain they entered retaining groove in button (2).
5. It may be necessary to lightly file the end of the bar so that the setscrews will enter the recess into the “cable button” (2). Be careful not to take too much off, as this will result in excessive play in throttle, that you **CANNOT UNDO**. File down slowly to perfect fit.

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