Foot Throttle Installation Instructions

You have purchased one of the finest pull type foot throttles available. Your **N-CONTROL** foot throttle utilize 1/16 diameter, 7-7 stainless steel wire rope for its link to the engine, in turn, giving the driver an easy to depress pedal Also, the control cable is out of the way because it exits straight up, out the rear of the throttle and then down the gunwale

Please read these instructions carefully, they are essential for the proper installation of your N-CONTROL foot throttle.

You will need to purchase a control cable long enough to go from the throttle to the engine. We recommend the use of standard type cables such as the C-34555A Mercury, Teleflex type 600A, Morse standard type or Hardin Marine 33c cables.

Inspect the engines throttle arm and ensure it moves freely and can be returned to idle by the cable spring.

Prepare the cable housing and install it on the foot throttle. **See the cable preparation and routing instruction sheet.**

Final set-up and adjustment. This may be easiest to do before the foot throttle is mounted in the boat.

Connect the cable to the engine in the same manner as the stock unit. **CAUTION; as the spring is compressed ensure the braded cable moves into the cable housing and does not kink up inside the brass tube.** Have a helper pull on the cable from the foot throttle end.

On the foot throttle, loosen the two cable clamp cap screws enough to feed all the cable slack through the throttle arm and down through the up-stop clamp (see illustration). Pull it tight enough to take the slack out but not so tight as to pull the engine off idle. **CAUTION; ensure the wire rope is between the arms and on the spool.** Tighten the two cap screws on the up-stop clamp.

Set the pedal at the idle position (the pedal will move up and down without actuating the engine throttle), idle should be when the white nylon rollers are about two inches from the bottom of the frame.

Tighten the clamping screw on the throttle arm. Depress the throttle pedal and check to see if the engine is coming to full throttle. At this time note how far the arm rollers come from the base of the pedal frame, **the ideal situation is when the rollers touch the base of the frame and the engine just hits full throttle.** If adjustment is needed return the engine to idle, loosen the clamping screw on the arm and move the pedal slightly up or down retightening the clamping screw and testing.

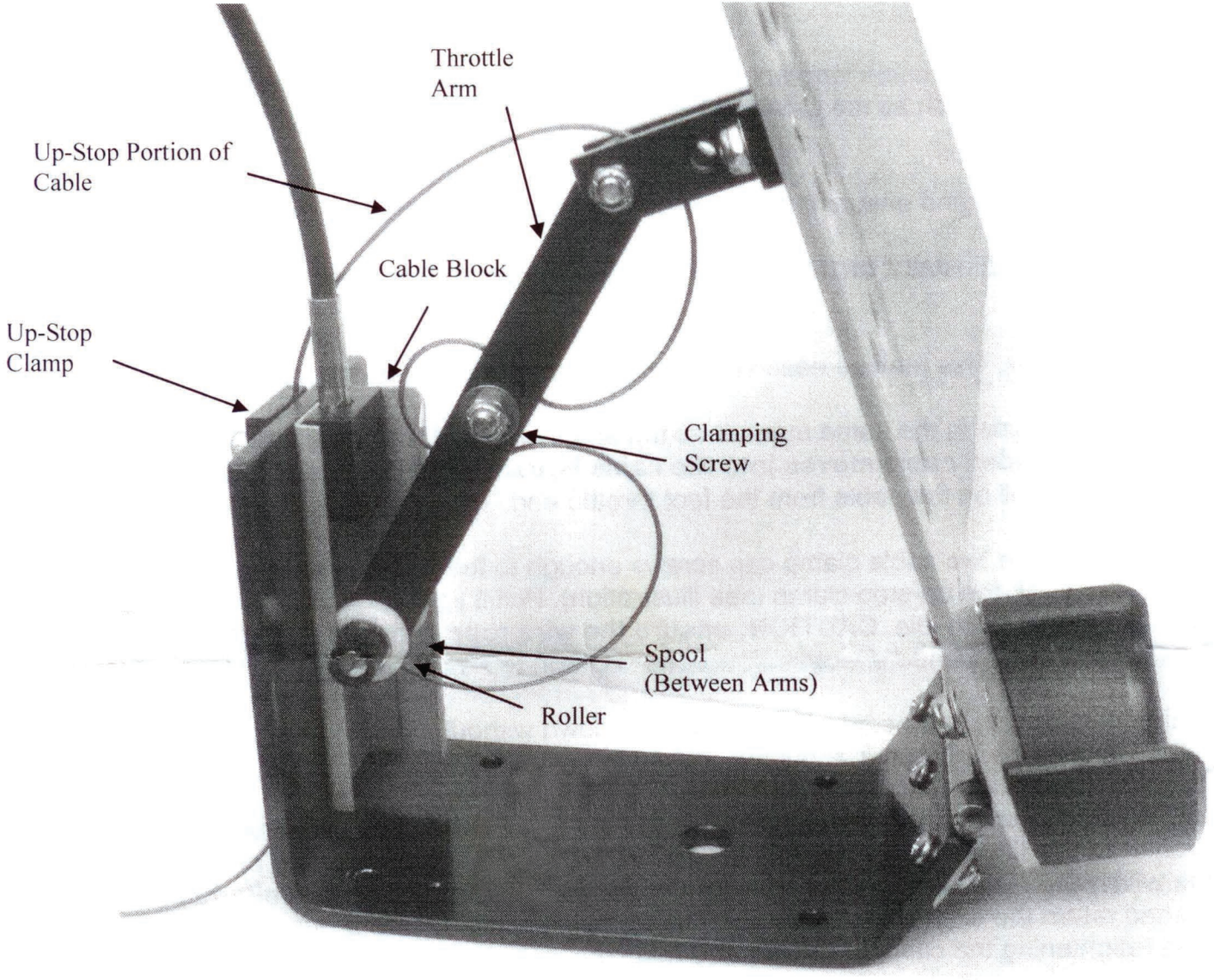
Final adjustment can be made at the engine end by removing the cable anchor from its mounting pocket and turning it in the appropriate direction to achieve the desired results.

CAUTION; the rollers on the foot throttle arm must touch the base of the throttle frame at full throttle with the engines throttle arm almost hitting the wide open throttle stop, failure to set this properly could result in premature cable failure or damage to the engines throttle linkage.

Adjust the up-stop portion of the cable by loosening the two cap screws on the clamp and pulling through the loose cable so it is just loose enough to allow the engine to return to idle. **Proper adjustment of the up-stop cable is critical, too much play at idle can cause premature failure of the cable at the point where it rounds the spool at the end of the arm.** Trim off extra wire rope leaving three inches to the clamp.

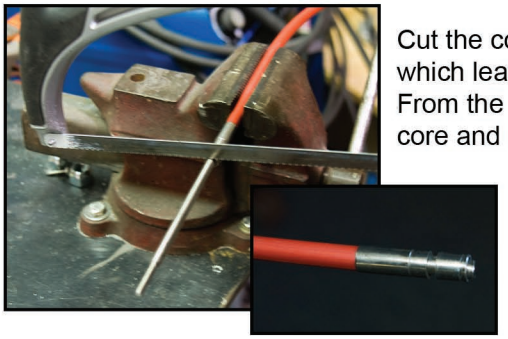
On dual and **Split** foot throttles treat each engine as a separate throttle, perform all of the above steps for each side.

This view of the foot throttle shows the basic parts and cable routing. Follow final setup carefully for proper cable installation At the end of final setup the braided cable will be concealed between the arm and only the up-stop cable portion will be exposed. On dual and split throttles treat each half as a seperate unit. When the installation is complete, check to ensure the UP-STOP portion of the cable is tight enough to prevent excessive pedal free play.



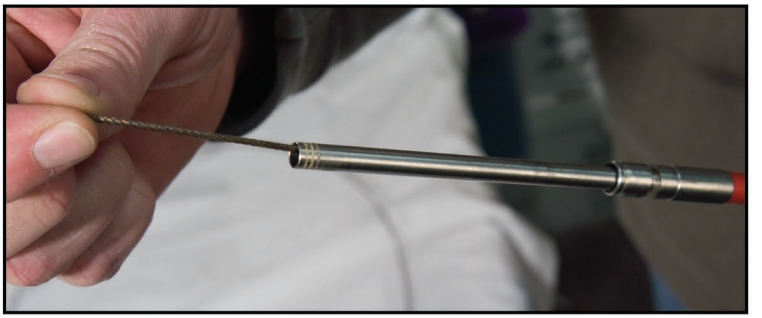
Note: Remember to always be at idle when shifting the lower unit in and out of gear.

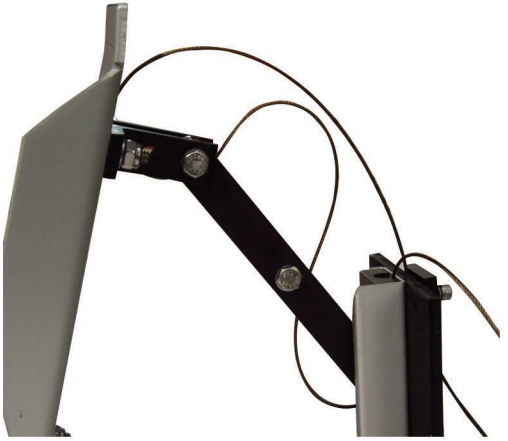
Throttle Cable Preparation and Routing Instructions



Cut the control box end of the 600A cable off at apoint which leaves 1-1/4 inches of the 3/8” diameter tube. From the engine end of the cable remove the inner core and cable end.

Inspect the cut end of the wire rope for fraying, if frayed make a good clean cut with sharp cutters.





From the engine end of the cable carefully slide the braided cable into the cable housing.

Loosen the clamping block on the rear of the throttle frame.

Feed the braided cable through the cable receiving block in front of the spool.

Slide the 3/8 diameter portion of the outer cable into the receiving block.

See the instruction sheet for final setup.

Engine return spring