

6:1 Wire Outhaul for the Flying Scot

Kit Includes:

- 1 – long 3/32" wire with small nico loop at one end with #8 screw and washer
- 1 – 3/32" nico press sleeve
- 1 – Harken micro becket block
- 1 – Harken micro cheek block with #8 screws
- 1 – jr. aluminum cam cleat with #8 screws
- 1 – Harken micro single block with eye strap and #8 screws
- 1 – 1/4" line
- 3 – rivets to reinstall boom end casting

The following pieces are partially assembled:

- 1 – short 3/32" wire with ball swage and shackle
- 1 – wire block for boom end with #8 screws and washers
- 1 – Harken wire block to go inside boom

Installation

Remove the boom end casting from the boom. Cut the end casting so that the crescent tab with the two holes is completely removed and then sand it smooth. Cut a slot in the end of the boom big enough to allow the wire turning block to sit down with the flanges of the block snug to the boom. Drill 9/64" for all screws. Be careful not to damage the wire while drilling. Using the block as a template, mount the wire turning block to the end of the boom so that the end with the wire is aft. The washers may be placed between the flange of the block and the boom to take any small amount of space. Be sure the sheave turns freely. Drill a 1/8" exit hole on both sides of the boom 35" from the forward end of the boom. Lay the drill over and forward to elongate the holes and make it easier for the wire to slide through. Put the free end of the 3/32" long wire through the hole in the starboard side of the boom and push it through until you come to the nico pressed loop. With the nico sleeve as close to the hole as possible, drill a 9/64" hole and secure the loop to the side of the boom with a #8 screw and washer. Put the free end of the 3/32" long wire through the Harken turning block. Feed a small pilot wire through the exit hole in the port side of the boom so that about 2' is hanging out the aft end of the boom. Tape the free end of the 3/32" long wire to the end of the pilot wire (be sure to lead the 3/32" long wire through the Harken turning block first). Use the pilot wire to pull the free end of the 3/32" long wire forward through the port exit hole in the side of the boom. Remove the pilot wire and pull free end of the 3/32" long wire so that the shackle is tight against the wire block at the end of the boom and everything is tight. Cut the free end of the 3/32" long wire 15" forward of the exit hole. Nico press the becket block to the free end of the 3/32" long wire leaving a 1" loop. Mount the cheek block on the port side of the boom so that the **forward** screw is 18" aft of the forward end of the boom. Mount the jr. clam cleat on the underside of the boom so that the **aft** screw is 18" aft of the forward end of the boom. Mount the single micro block and eye strap on the underside of the boom so that the forward screw is 35" aft of the forward end of the boom. Reinstall the end casting using the drive rivets. Thread the line as shown below. The micro block forward of the cleat allows the outhaul to self-cleat when tightened.

