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Chapter 2 - Sails and Rigging

Section 2: Boom - Internal Outhaul Repair/Refurbish

Tony Perotti #241 Fantasy

Tool List:

Vice grip pliers, small size

Large flat tip screwdriver (with square shaft if available)

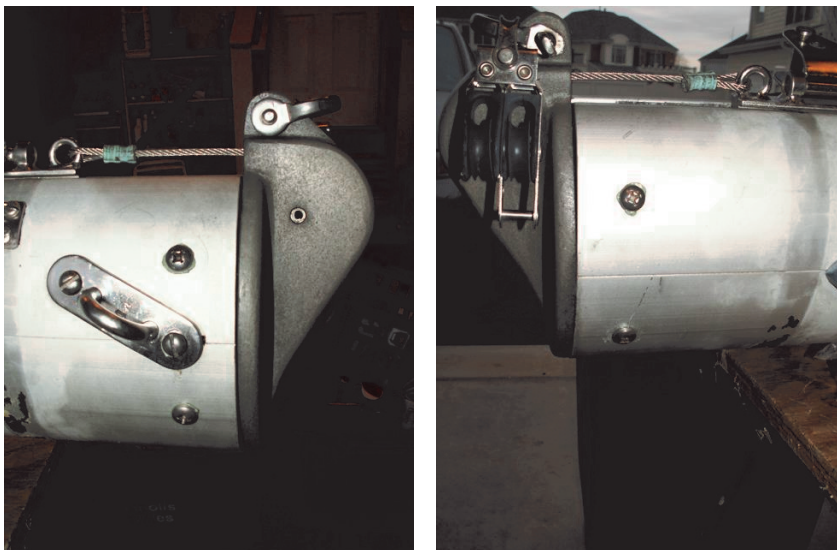
Adjustable wrench

Large Phillips screw driver

Sockets, ratchet and open end wrenches to match



The first step is to remove the end cap. On my boom the end cap is held in place with 5 machine screws:



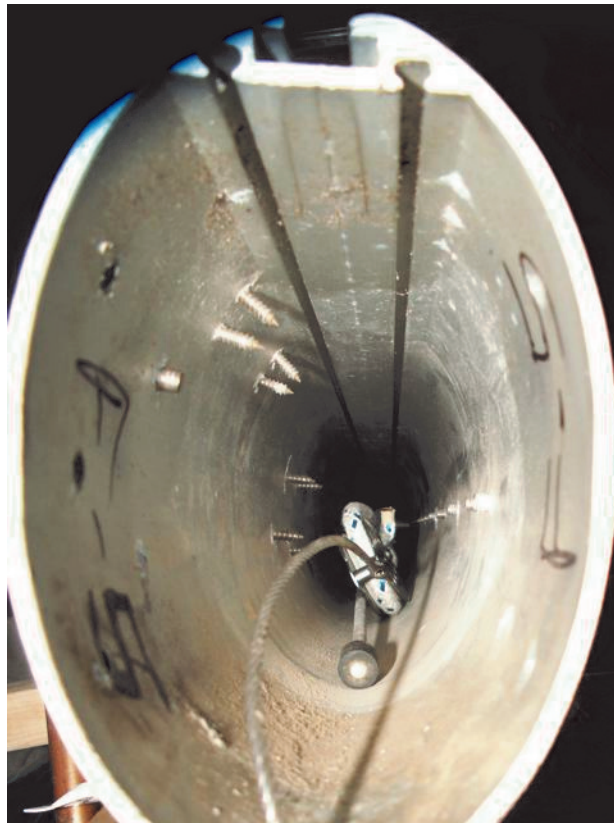
I used two techniques to loosen and remove the screws. I started with a large square-shafted screwdriver. I used an adjustable wrench on the square shaft to give me more torque. This technique only worked for some of the fasteners and a small vice grip was used to remove the

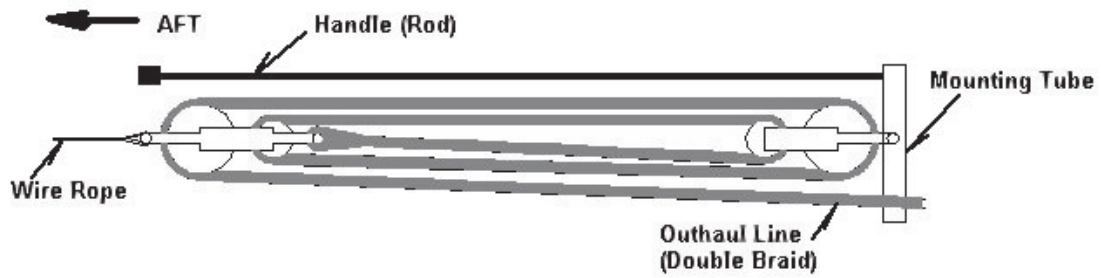
others. The vice grips work well as long as you take the time to find a good grip on the head of the screw and move slowly.

Once the screws were out the end cap came off with no problem.



The outhaul consists of the outhaul car connected to a wire rope that connects to a block and tackle arrangement within the boom (two, two-sheave fiddle blocks) and then the line goes out through the forward end of the boom.





The after fiddle block is attached to the wire rope and the forward one is attached to a tube through which the mounting bolt for a bale passes. This tube also has a rod attached to allow for removal and remounting of the forward block.

I replaced the double braid line since I was in there. I inspected and lubricated the blocks, cleaned out the wasp nests and put it all back together. All in all it was a very satisfying job, and there is now a nice and neat figure 8 knot in the end so I won't have to venture back in there anytime soon.