

Hobie Cat

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Mast Rotator Update Kit

The new mast rotation system offer 4 advantages; 1) It is more compact so that the foil does not interfere with the mast rotator when the foil is retracted and the mast is rotated. 2) It is a little bit easier to rig. 3) There are no parts to loose. 4) There is less chance of damaging the deck of the ama by inadvertently dropping the mast with the mast rotator installed.

The same purchase is maintained on the mast rotator. We are shortening the lever arm by a factor of two, but we are increasing the purchase by a factor of two. By putting another block inside the beam we now have a 4:1 purchase on the mast rotator.

The kit includes;

- 2 green 3/16" rope 103" long
- 2 plastic balls
- 2 bullet blocks
- 2 mast base casting assemblies w/ rod, clevis pin, ring, bungi, and brass hook
- 2 slightly modified strap shackle
- 4 rivets

First install the new mast base casting on the mast. Use loctite to reinstall the steel ball. Loop the bungi cord around the steel ball so that the bungi pulls down on the rotator bar.

Next install the modified strap shackle to the mast base. Drill two 3/16" hole in the bottom aft corner of the mast. 1/4" from the very bottom of the extrusion and 1/4" from the trailing edge of the mast. Use the two rivets to install each modified strap shackle.

Next install the green lines. Drill a 1/4" hole in the center main beam tube on the aft side 7" from the end. The existing green mast rotation line will come out the center main beam tube then go through the supplied bullet block and then out through the 1/4" hole that you just drilled. Approximately 76" of line will need to be cut from this line, but test the system before you cut the line.

The new green line will thread through the beam just like the old line, but instead of leading directly back to the cockpit it will be tied to the bullet block.

The brass hooks will be tied to the grey line. It takes some trial and error to the get the length of this line just right.

The plastic stopper balls should go on the line and prevent the mast from rotating too far. It takes some trial and error to get the knots in the right spot.