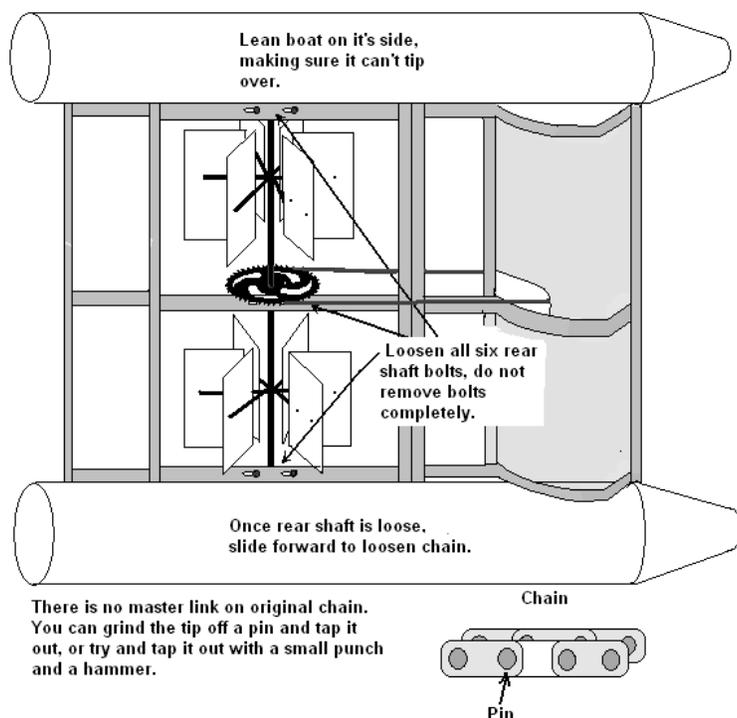


Installation from Bottom of Boat



How to Install the Drive Chain

A bike chain tool is an easy and inexpensive tool for this project

You will have to have the boat pulled up on land. Be careful not to drag it so that the rudders drag on the ground. You will need at least two very strong people to do this. The boat should then be carefully tilted up on one side and leaned against a tree or have a couple people hold the boat so you can get to its underside.

1. If you are replacing an older chain, take chain off by grinding a pin off the chain and twisting it with vise grips.
2. You should then loosen the six bolts on the rear shaft.
3. Slide the rear shaft toward the front (bow) of the boat.
4. Put the new chain on the sprockets and loop it around to bottom where you can work on it.
5. If the chain is too long, you will need to take off one or more links (do a count to see how many need to be removed).
6. You will then need to file or grind the pin on the side of the leading link to remove any unnecessary links. The links can be slightly twisted with vise grips to remove them if you don't have a bike chain tool.
7. You can now carefully install the chain over the sprockets and loop it around to the bottom, where you can attach the ends.
8. Add the "master" link (enclosed with your drive chain), to both ends to connect them, then add the link "washer" and the "clip" to secure. A
9. If the chain is not tight, loosen the 6 bolts on the rear shaft and slide the shaft back until the chain is tight. Making sure front and rear shafts are parallel. Retighten the 6 bolts. If the chain will not tighten replacement may be necessary.
10. Re-tighten the two center bolts, making sure the chain is still tight. Make sure the front and rear shafts are parallel.
11. Re-tighten the remaining 4 bolts (two on each side).
12. If the sprocket(s) is warped: gently tap the high side (where it is warped) with a hammer while someone is spinning the chain, until the sprocket is straight.

ADJUSTING THE CHAIN

Follow steps #9-#12

Many times if a chain is popping off either a sprocket is slightly off alignment or the chain has stretched.