

## Trouble Shooting Guide

*Squeaking noise:* The 3 bearings in the front and 3 in the rear (under the boat) may need to be oiled with a white lithium spray grease or water-resistant spray grease. The pedals may also need to be oiled (spray grease on both sides of each pedal). Also, see "Loose drive chain..." below, which could cause noise.

*Boat seems to pedal hard:* First, check for weeds wrapped around the rear shaft. Also, the drive chain may need to be oiled. Use a good-quality white lithium spray grease and spray chain over the crank shaft as the chain is moving, so that the entire chain gets coated. You may also want to grease the 6 bearings (see above).

*Steering problems:* The wind and water conditions play a big factor in the ability of the boat to steering the right direction. If your boat does not seem to steer correctly, even in calm conditions, you may need to tighten the collars directly below the steering handle (refer to diagram for front steering assembly). Using a good allen wrench, apply a good amount of pressure to small allen bolts in the collar. If that does not do the trick, take the collars off and make sure the bolts are directly lined up with the grooved surface in the solid shaft. Re-tighten the collars again. You should also make sure your front and rear rudders are in a straight line if the steering handle is centered. When the steering handle is pointing to one side or another, If you continue to have problems, please call the factory at (989) 235-6776.

*Loose drive chain or drive chain came off completely:* Any new chain will eventually stretch, creating slack in the chain. This could result in slapping noise of the chain or the chain completely coming off the sprockets. To tighten the chain, loosen six nuts on the rear shaft and slide the shaft back until chain is tight, making sure the front shaft is parallel to the rear shaft. If chain continues to come off, there may be a warped or bend sprocket. This can be fixed by lightly tapping on the warped or high side of the sprocket with a rubber mallet while slowly spinning the pedal assembly and eyeing both sprockets to make sure both sprockets are running in line.

*Boat seems to list to one side:* If boat is listing, check for pitting or punctures in the tube. This would allow water to enter the tube. If this is the case, you will have to have the tube repaired by a weld shop and then pressure tested. If the problem was pitted tubes, it is advisable to find the source of the pitting, so that it does not happen again. Chemicals used in the water (such as copper sulfate) or chemical run-off could be the problem. Also, improperly grounded electrical current from nearby shore power could cause electrolysis and pitting in the tubes.