2-Blade Saildrive Installation Instructions:

Please read these instructions carefully before installing your new Gori propeller.

**Parts List:**

1. Hub 1 x each
2. Blades 2 x each
3. Pins 2 x each
4. Washer 1 x each
5. Shaft nut 1 x each
6. Split pin 1 x each not used on all installations
7. Allen screws 2 x each
8. Allen screws 2 x each
9. Locking bolt 1 x each
10. Collar zinc 1 x each ... 2 x halves
11. Zinc screws 4 x each
12. Loctite 243 1 x bottle
13. Allen key 4mm
14. Allen key 5mm

A) Take the propeller apart – note that there are two(2) allen screws (#7,8) that lock each of the blade pins (#3) in place. Note that the blades, pins and hub are all marked carefully so as to re-assemble in the correct location.

B) Check that the hub (#1), fits onto the output shaft of the saildrive leg. The hub has a matching spline and so simply slide it on. Check that the shaft nut (5), threads on to the end of the output shaft.

C) Ensure that the washer/spacer (supplied with the saildrive unit) is in place at the fwd end of the output shaft. Now grease the output shaft on the saildrive with some water resistant grease and slide the hub back on.

D) Apply Loctite to shaft threads & install the Gori supplied shaft nut (#5), onto the shaft and tighten to 72 ft/lbs(88-98Nm). Now smear some loctite (12) onto the threads of the lock bolt (#9). Place the washer (#4) in place and tighten the lock bolt (#9), into the output shaft at 9-10 ft/lbs(15Nm). It is very important to always use the Gori supplied propeller nut for the installation. An incorrect nut can lead to loss of the propeller, part of the propeller or cause an electrical connection between the propeller and the saildrive.

*On older saildrive models there may be holes drilled through the male thread area at the end of the shaft. If so then align these holes with the holes on the lock bolt (9) and insert the split pin (6) and bend over.*

E) Lightly grease the moving parts of the blades (#2) and re-assemble the blades with the pins (#3). Be careful to place pins, blades and hub in the same numbered locations.

F) Apply loctite (#12), to the allen screws (#7,8), screw them tightly into the holes at the aft end of the propeller hub. Be sure that the blade pins (#3) are smooth and flush on the outside of the hub...this will ensure that the allen screws have seated themselves into the dimple on the pin. *Remember there are 2 allen screws per blade pin. Total four(4).*
G) Check that the blades will operate freely in all directions from open to closed.

**Warning:**
- Do not start the engine while the boat is out of the water
- The prop may have sharp edges... be careful not to cut yourself
- Make sure the blades do not open or close suddenly and trap your fingers
- Stop the engine before diving or swimming in the vicinity of the boat
- Propeller blades can cause considerable damage when rotating ... be careful.
- Do not remove fish nets, rope or similar from the prop with the engine running.
- Check that the prop works in both fwd and reverse before each trip. If any strange sounds or vibrations are noticed coming from the propeller stop the engine and investigate the reasons/solve the problem.

For any additional questions or assistance with the installation or removal of your Gori propeller please contact AB Marine, Inc at:

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