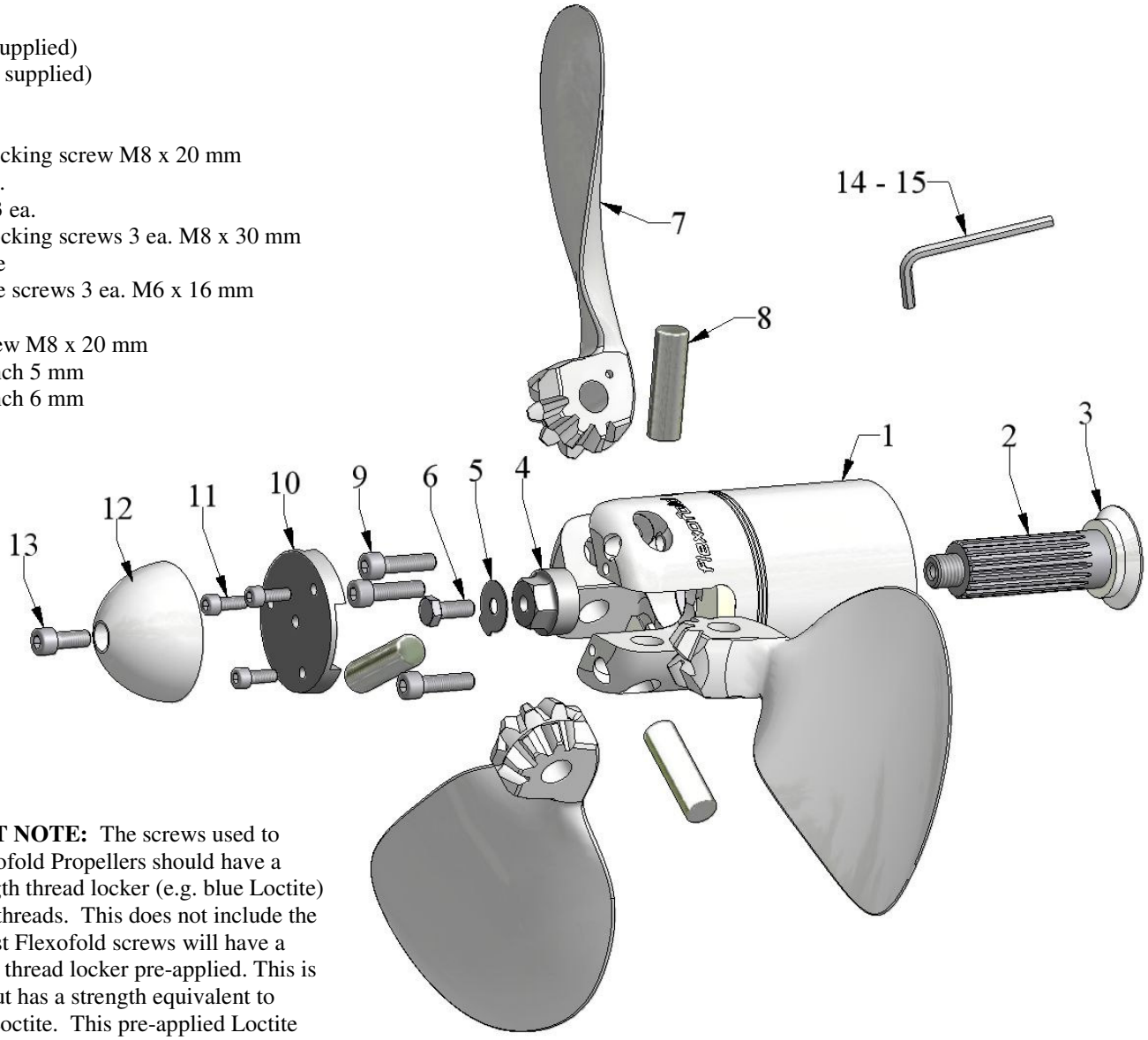
FLEXOFOLD PROPELLERS
INSTALLATION INSTRUCTIONS*
3-Blade with Sail Drive

NOTE: FAILURE TO FOLLOW THESE INSTRUCTIONS WILL VOID WARRANTY

Parts list:

1. Hub
2. Shaft (not supplied)
3. Spacer (not supplied)
4. Shaft nut
5. Tab washer
6. Shaft nut locking screw M8 x 20 mm
7. Blades 3 ea.
8. Pivot pins 3 ea.
9. Pivot pin locking screws 3 ea. M8 x 30 mm
10. Cover plate
11. Cover plate screws 3 ea. M6 x 16 mm
12. Anode
13. Anode screw M8 x 20 mm
14. Allen wrench 5 mm
15. Allen wrench 6 mm



IMPORTANT NOTE: The screws used to assemble Flexofold Propellers should have a medium strength thread locker (e.g. blue Loctite) applied to the threads. This does not include the shaft nut. Most Flexofold screws will have a special Loctite thread locker pre-applied. This is red in color but has a strength equivalent to normal blue Loctite. This pre-applied Loctite can not be purchased in marine or hardware stores. For out-of-water use only, a tube of blue Loctite is included with the Flexofold Hub.

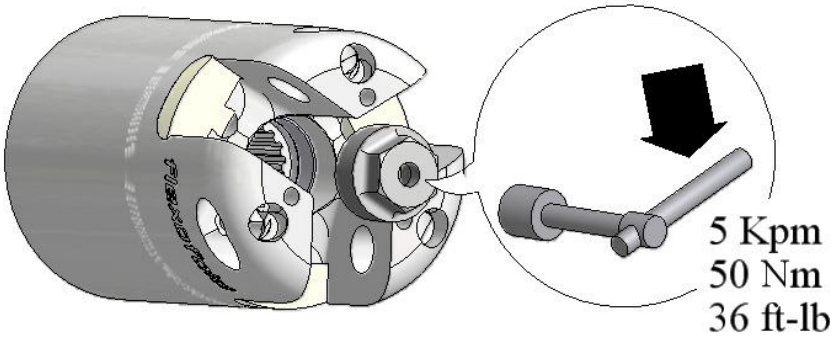
The screws with the pre-applied Loctite can be used for installations in or out of the water. Normal blue Loctite can only be used out of the water. If you remove a screw with the boat out of the water, the Loctite must be re-applied before re-using the screw. When changing or remounting a prop under water, you should first contact Flexofold to acquire a new screw set with the pre-applied Loctite.

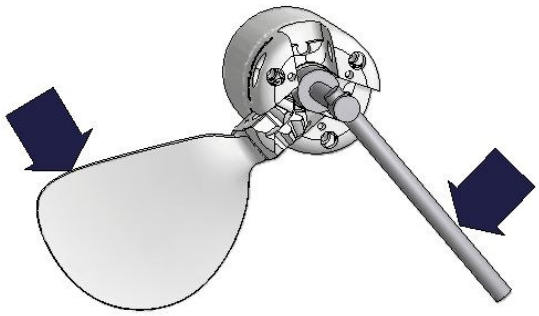
*These instructions cover installation and operation of Flexofold Propellers unless they have been modified by Flexofold in which case a supplement will be provided.

Installation of Sail Drive Hub

1

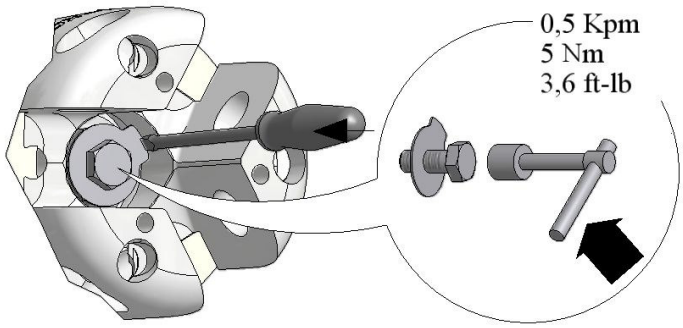
Check to see that spacer washer (3), which is supplied by engine manufacturer, is installed. Propeller will not function properly without spacer washer. Slide hub (1) over splines on shaft (2). Screw on shaft nut (4) and tighten to at least 5 Kpm - 50 Nm - 36 ft-lb. Don't use any thread locker on shaft nut threads. When tightening shaft nut use un-mounted blade to keep shaft from turning.





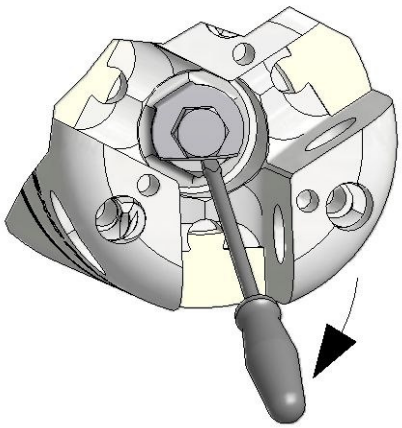
2

Slide tab washer (5) on to shaft nut locking screw (6). Place a small amount of thread locker (if not already applied) on threads of shaft nut locking screw. Screw in through top of shaft nut into end of shaft and tighten very tight. Using a straight screwdriver, bend tab down over shaft nut hex.



3

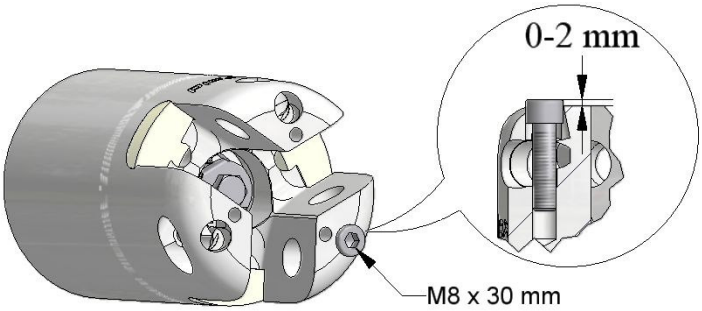
Again, using straight screwdriver, bend side of tab washer up over hex on the locking bolt. This, along with the thread locker, will prevent the bolt from backing out. If removing prop, straighten side of tab washer to allow removal of locking bolt.



Installation of Blades

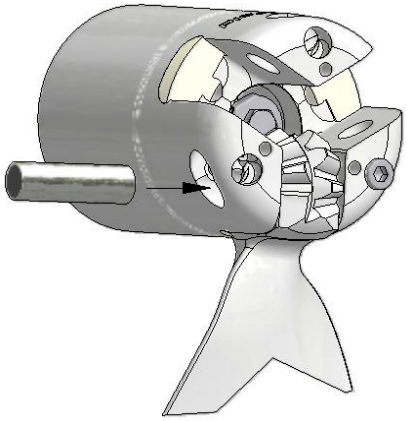
4

Insert one pivot pin locking screw (9) until threads engage. Leave top of screw protruding 0 – 2 mm . It will be tightened later in step 10.



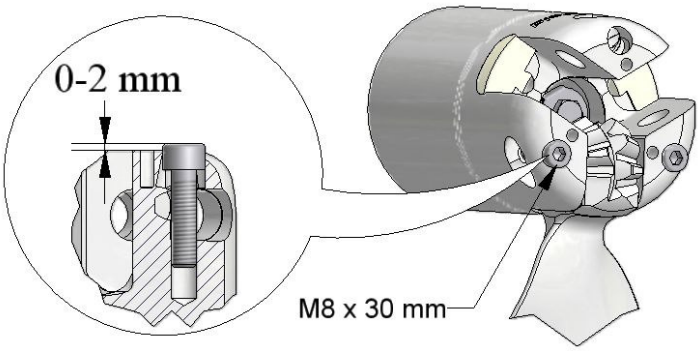
5

Align blade (7) in hub jaw and insert pivot pin (8).



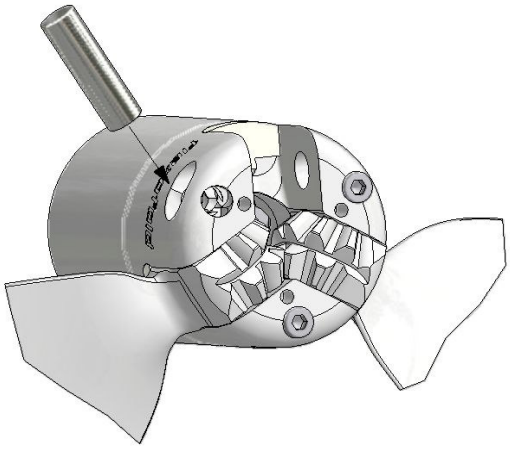
6

Insert next pivot pin locking screw (9) until threads engage. Leave top of screw protruding 0 – 2 mm. It will be tightened later in step 10.



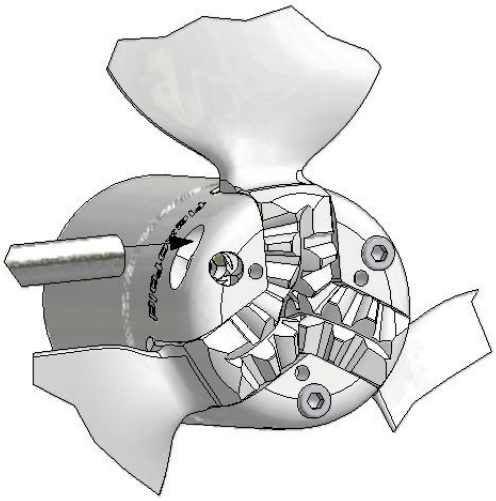
7

Turn hub about 60 degrees. Align next blade (7) in hub jaw and insert pivot pin (8).



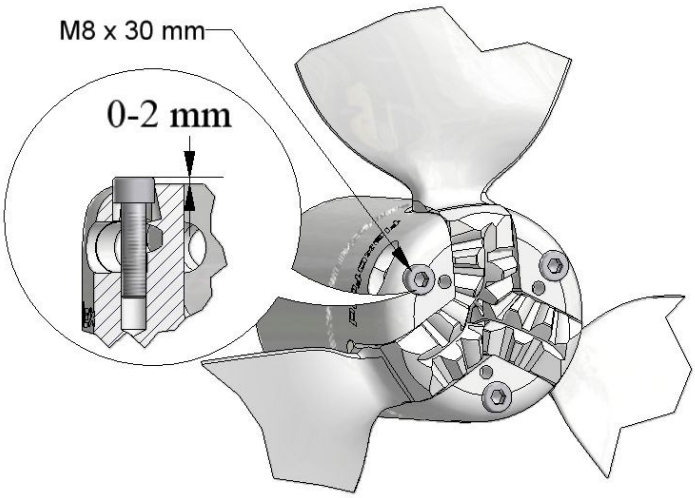
8

Align next blade (7) in hub jaw and insert pivot pin (8).



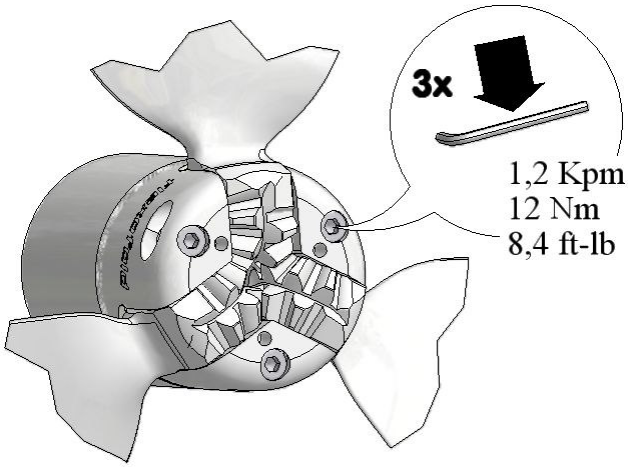
9

Insert last pivot pin locking screw (9) until threads engage. Leave top of screw protruding 0 – 2 mm. It will be tightened later in step 10.



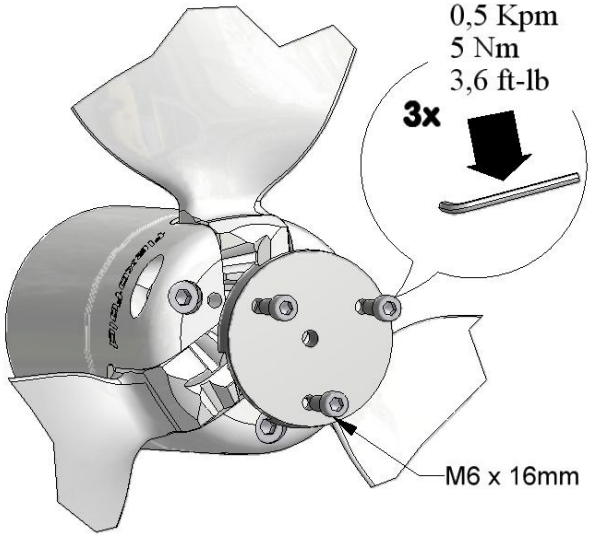
10

Tighten all pivot pin locking screws using the tool supplied (15). If using torque wrench tighten to about. 1.2 Kpm - 12Nm - 8.4 ft-lb. Work blades open and folded to insure ease of operation;



11

Mount cover plate (10) with three socket-head cap screws (11);



12

Mount anode (12) with one socket head cap screw (13) after having applied thread locker to threads if not already applied.