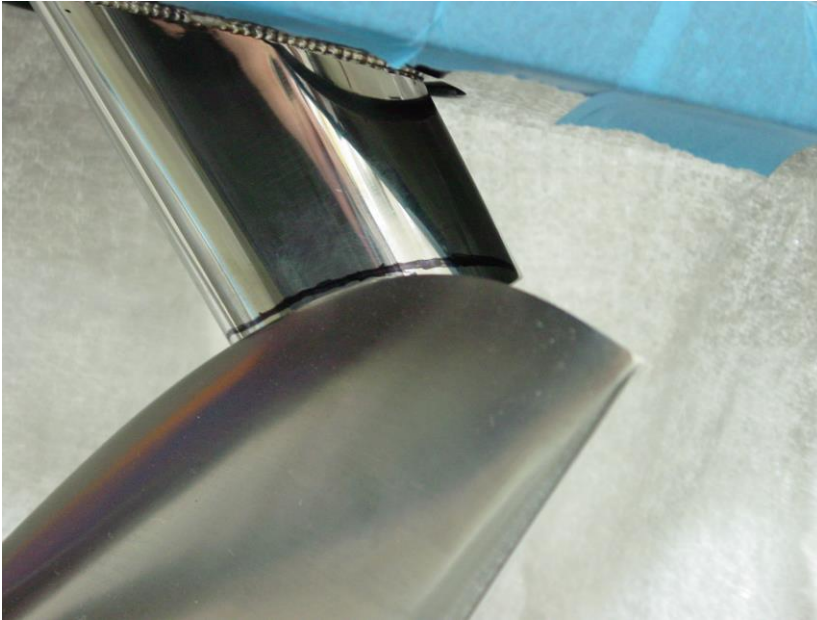


## M8 AERATOR INSTALLATION INSTRUCTIONS

### Lower:

- Remove propeller
- Remove Mercathod unit.
- The three Mercathod mounting screws need to be enlarged to ¼-20. Use a #7 drill and 1/4-20 UNC tap.
- Mount drill template with three screws. NOTE: One hole has an “R” stamped next to it. This is the rearward (Aft) most hole. Ensure the template is oriented correctly! It will bolt on in the wrong way! Drill the two new holes with a #7 drill using the template as a guide. Remove template, and tap with ¼-20 UNC tap. If you did not purchase a drill template, you can install the lower, and use it to transfer punch the location of the two holes.
- You are now ready to install the lower and trim for proper clearance on your propeller.

- With a felt tip marker, mark approximate location of the leading edge of the prop on the oval tube of the stainless assembly. This can be done by gently rotating the prop close to the oval tube, and sighting along the side.



- Cut, sand, or grind off excess material up to your marked line. Go slowly and work up to your mark. If you remove too much of the oval tube, you will have to start over with a new one! You need to trim the oval tube until the propeller can spin freely, and there is 3/8" clearance between the leading edge of the propeller ear and the oval tube. This will require removing and re-installing the lower stainless assembly several times as you test fit it to the propeller. A plastic or wood pen, pencil, or dowel that is 3/8" in diameter works well as clearance gauge.



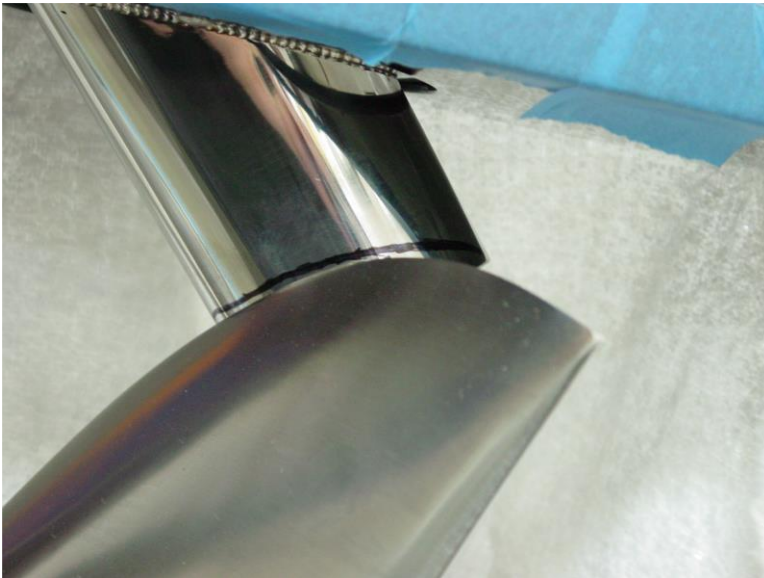
**CAUTION!** It is important that you maintain 3/8" clearance between the propeller and oval tube! Failure to do so will result in poor performance or damage to both the propeller and aerator assembly.

**CAUTION!** Lower stainless assemblies will often only be compatible with the propellers they were matched to. Anytime you change propellers, you must check for proper clearance! Often, propellers with different pitches or diameters will require their own set of matched lower stainless aerator assemblies! Failure to check for proper clearance can cause poor performance or damage to your propellers.

## SSM VI AERATOR INSTALLATION INSTRUCTIONS

### Lower:

- Remove propeller
- Remove zinc anode from drive with 9/16" socket.
- Install lower stainless assembly with supplied jam nuts
- Slide propeller back on. Lower stainless assembly must be trimmed for proper clearance.
- With a felt tip marker, mark approximate location of the leading edge of the prop on the oval tube of the stainless assembly. This can be done by gently rotating the prop close to the oval tube, and sighting along the side.



- Cut, sand, or grind off excess material up to your marked line. Go slowly and work up to your mark. If you remove too much of the oval tube, you will have to start over with a new one! You need to trim the oval tube until the propeller

can spin freely, and there is  $\frac{1}{4}$ " to  $\frac{3}{8}$ " clearance between the leading edge of the propeller ear and the oval tube. This will require removing and re-installing the lower stainless assembly several times as you test fit it to the propeller. A plastic or wood pen, pencil, or dowel that is between  $\frac{1}{4}$ " and  $\frac{3}{8}$ " in diameter works well as clearance gauge.



**CAUTION!** It is important that you maintain  $\frac{1}{4}$ " to  $\frac{3}{8}$ " clearance between the propeller and oval tube! Failure to do so will result in poor performance or damage to both the propeller and aerator assembly.

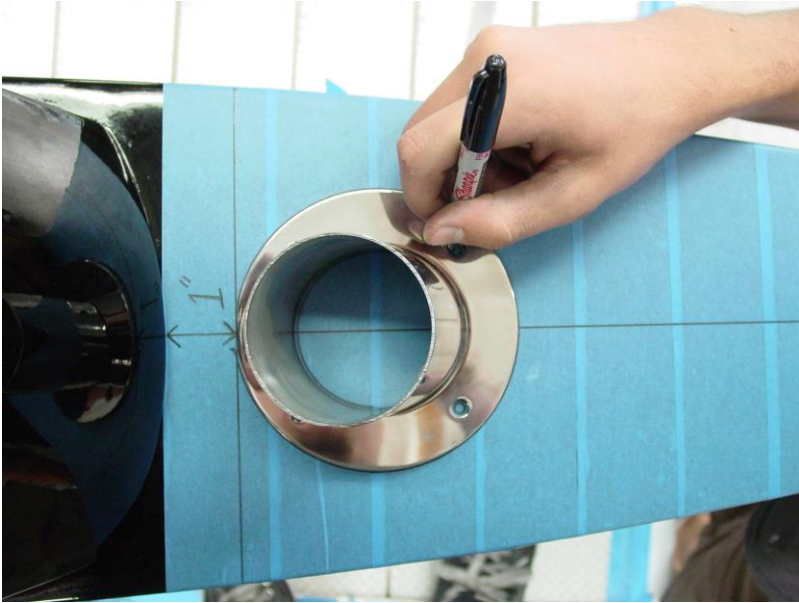
**CAUTION!** Lower stainless assemblies will often only be compatible with the propellers they were matched to. Anytime you change propellers, you must check for proper clearance! Often, propellers with different pitches or diameters will require their own set of matched lower stainless aerator assemblies! Failure to check for proper clearance can cause poor performance or damage to your propellers.

#### Upper:

- Protect top of drive with masking tape or protective film.
- Set top assembly on drive and mock up location. Aprox. 1" to 2" gap between the upper stainless assembly and the vertical portion of the drive is a ballpark location. The upper and lower stainless assemblies will be offset from

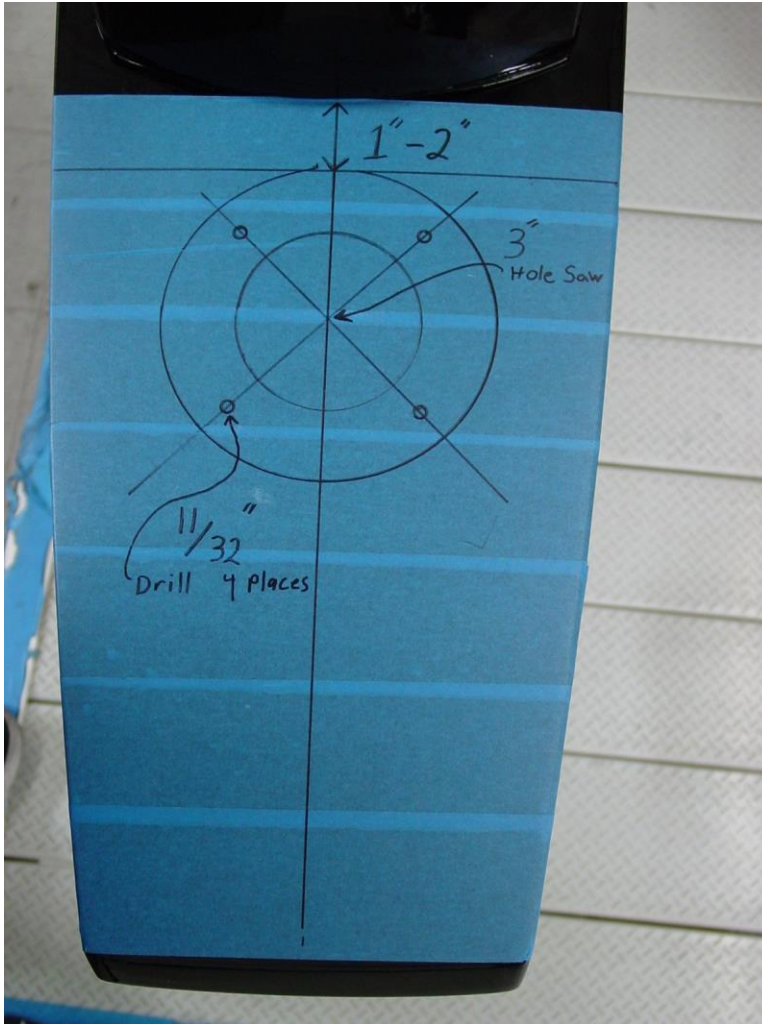
each other! Do not install upper stainless assembly directly over the lower assembly! The drive is hollow so the upper assembly will be placed forward of the lower assembly to clear the mounting studs. Ensure that vent hose does not interfere with tie bar. If you plan on securing hose to tie bar mount, position it so it is close enough to secure with a large zip tie.

- Lay out centerline and mark location of stainless assembly on drive. In this picture, we are using a 1" gap from the vertical portion of the drive which is typical.



- Drill 4 mounting holes for 5/16" bolts. See pic below.
- Drill 3" diameter hole in center for vent. Ensure it will not interfere or cut through the studs that mount the lower stainless assembly! See pic below.



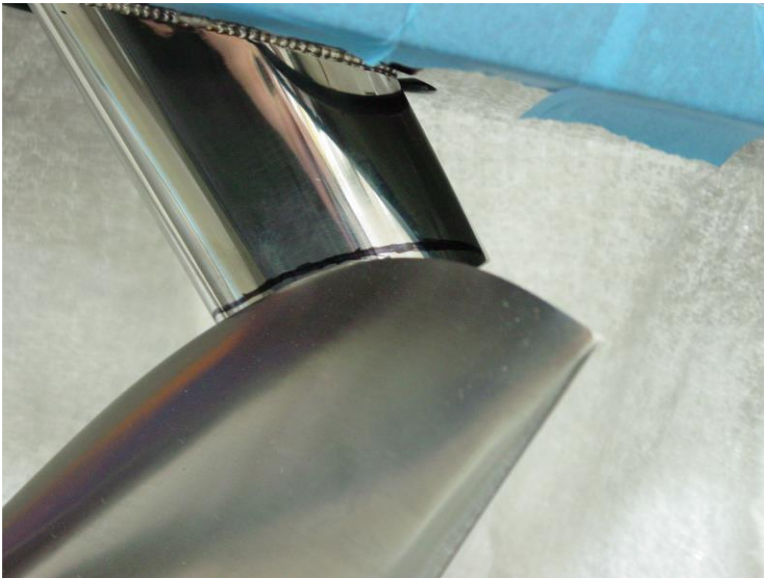


- With rubber gasket in place, bolt upper stainless assembly to drive with supplied hardware. Nuts are accessible through anode hole in bottom of drive.
- Secure vent hose with supplied hose clamps.
- Install matched lower stainless aerator assembly
- Install propeller and double check clearance.

## NXT AERATOR INSTALLATION INSTRUCTIONS

### Lower:

- Remove propeller
- Remove zinc anode from drive with 9/16" socket.
- Install lower stainless assembly with supplied nuts.
- Slide propeller back on. Lower stainless assembly must be trimmed for proper clearance.
- With a felt tip marker, mark approximate location of the leading edge of the prop on the oval tube of the stainless assembly. This can be done by gently rotating the prop close to the oval tube, and sighting along the side.



- Cut, sand, or grind off excess material up to your marked line. Go slowly and work up to your mark. If you remove too much of the oval tube, you will have to start over with a new one! You need to trim the oval tube until the propeller



can spin freely, and there is 3/8" clearance between the leading edge of the propeller ear and the oval tube. This will require removing and re-installing the lower stainless assembly several times as you test fit it to the propeller. A plastic or wood pen, pencil, or dowel that is between 3/8" in diameter works well as clearance gauge.



**CAUTION!** It is important that you maintain 3/8" clearance between the propeller and oval tube! Failure to do so will result in poor performance or damage to both the propeller and aerator assembly.

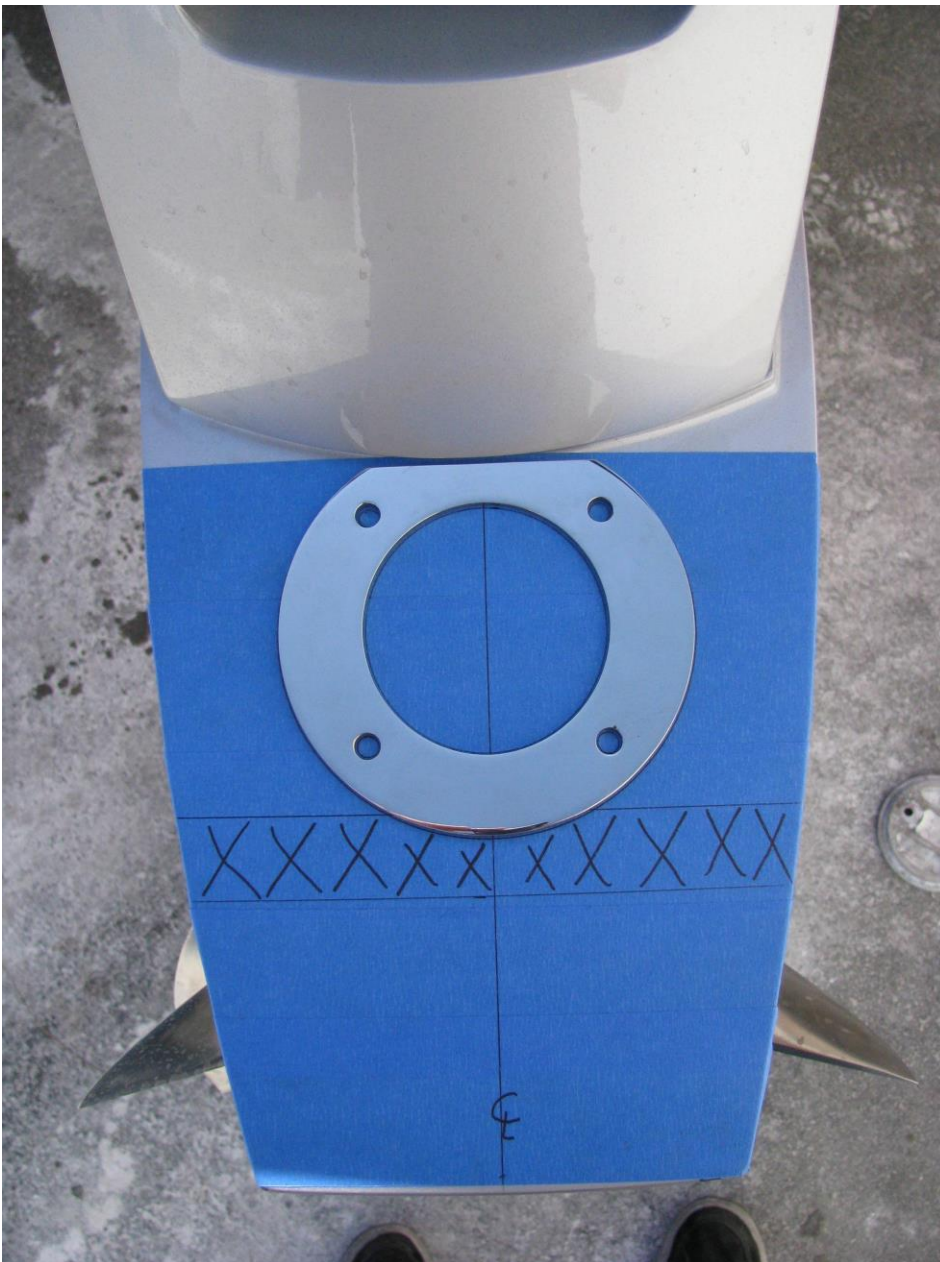
**CAUTION!** Lower stainless assemblies will often only be compatible with the propellers they were matched to. Anytime you change propellers, you must check for proper clearance! Often, propellers with different pitches or diameters will require their own set of matched lower stainless aerator assemblies! Failure to check for proper clearance can cause poor performance or damage to your propellers.

#### Upper:

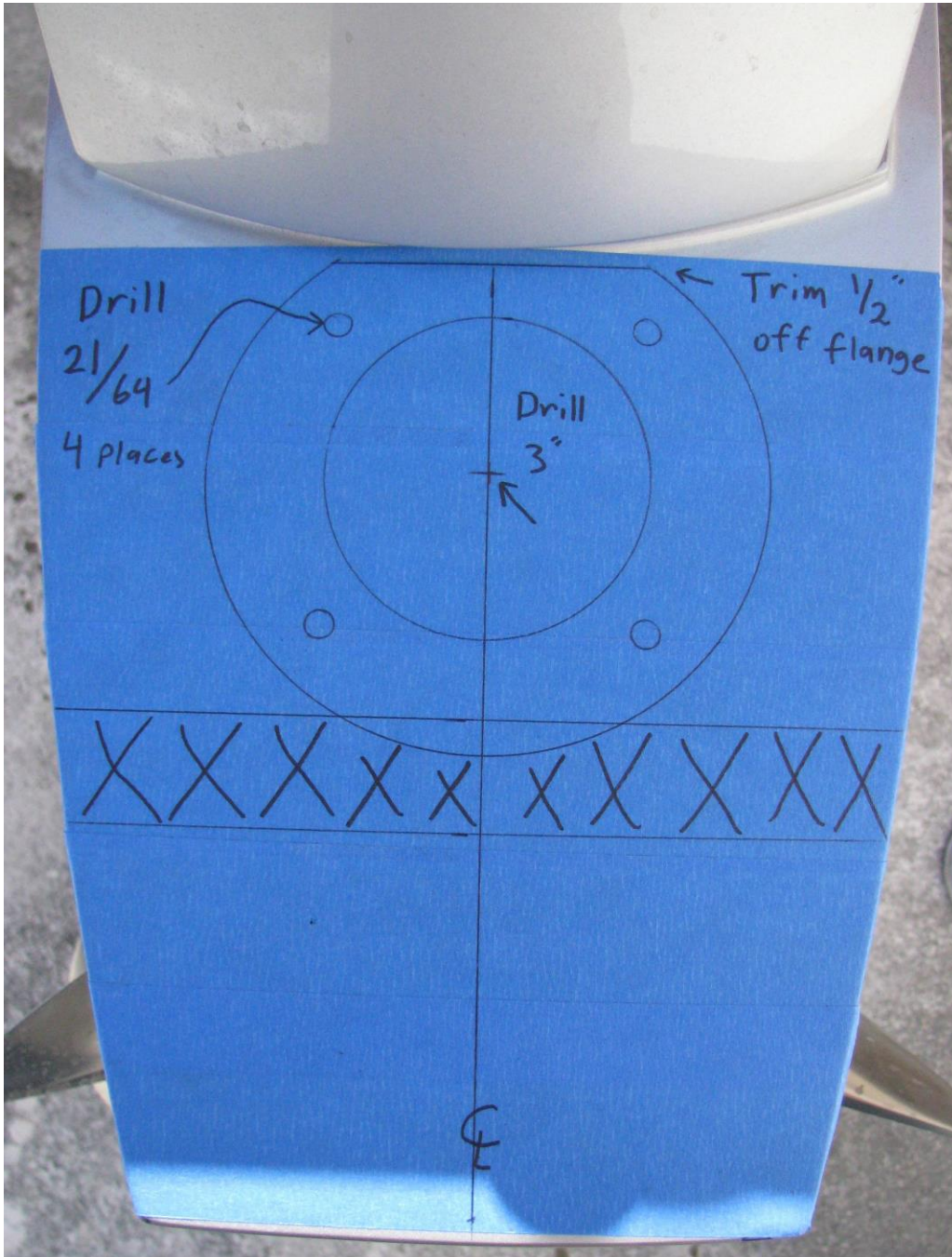
- Protect top of drive with masking tape or protective film.
- Set top assembly on drive and mock up location. The NXT uses the same upper as the #6 drive aerator kit, however it must be modified by grinding away 1/2" of the mounting flange on the front edge. If you specified your kit was for an

NXT at the time of purchase, the upper should already be modified. If you are converting a kit for a #6 drive, the modification will have to be made before installation. The upper must be pushed all the way forward to the vertical portion of the drive. The upper and lower stainless assemblies will be offset from each other! Do not install upper stainless assembly directly over the lower assembly! The drive is hollow so the upper assembly will be placed forward of the lower assembly to clear the mounting studs.

- Lay out centerline and mark location of stainless assembly on drive. Note the flange shown (without the 3" tube welded on for clarity) shows the  $\frac{1}{2}$ " modification necessary to the flange, allowing it to slide forward  $\frac{1}{2}$ ".



- Drill 4 mounting holes for 5/16" bolts. See pic below.
- Drill 3" diameter hole in center for vent. See pic below.



- With rubber gasket in place, bolt upper stainless assembly to drive with supplied hardware. Nuts are accessible though anode hole in bottom of drive.

- Secure vent hose with supplied hose clamps.
- Install matched lower stainless aerator assembly
- Install propeller and double check clearance.