



6. Final Assembly

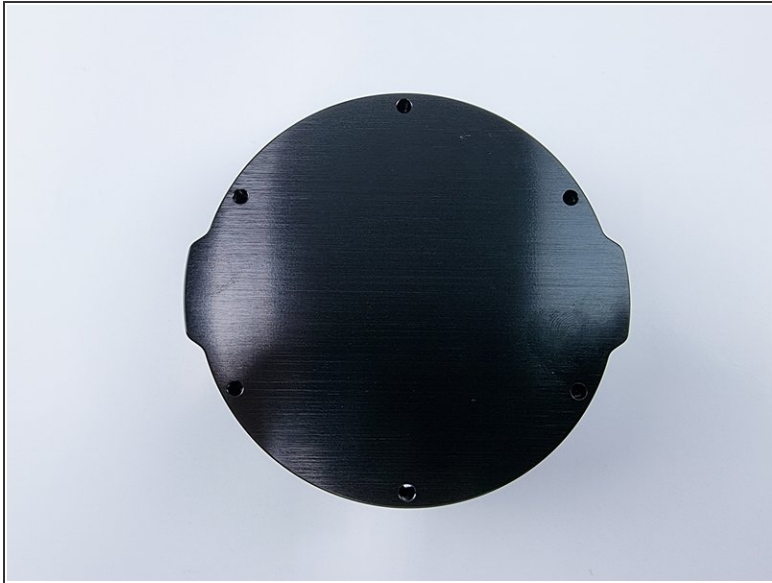
Written By: REA



Step 1 — 6. Final Assembly

- Unpack an O-ring flange.
- Grab the thinner o-ring and lubricate it with silicone grease.
- Place the o-ring into the groove on the face of the flange.

Step 2



- Grab a no hole end cap.
- Place the end cap onto the O-ring Flange
- Insert the 6 socket head cap screws through the cap and tighten

Step 3



- Lubricate the 2 thicker o-rings with a small amount of silicone grease.
- Install them into the grooves on the o-ring flange

Step 4



- Unpack the 250mm Acrylic tube and prepare it for installation

Step 5

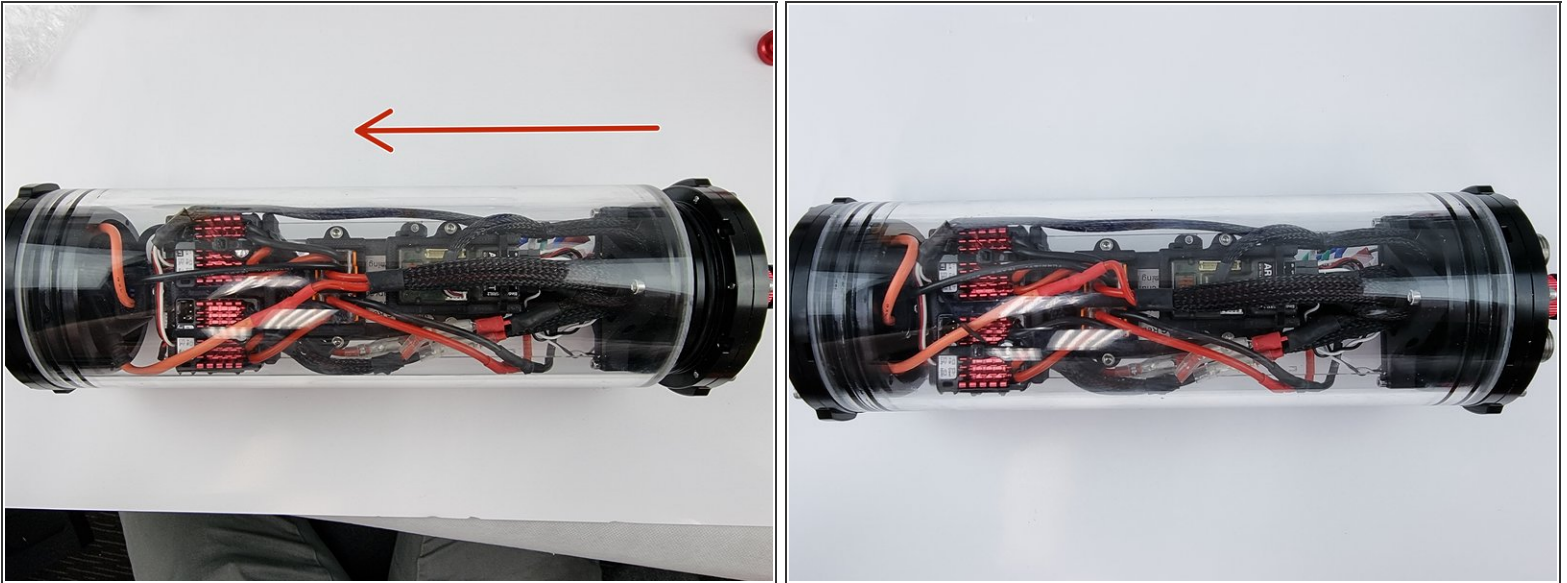


- Ensure the inside of the acrylic tube is clean and insert the assembled end cap into the tube.
- ⓘ Carefully push it all the way in ensuring that the o-rings don't get caught as you insert it.

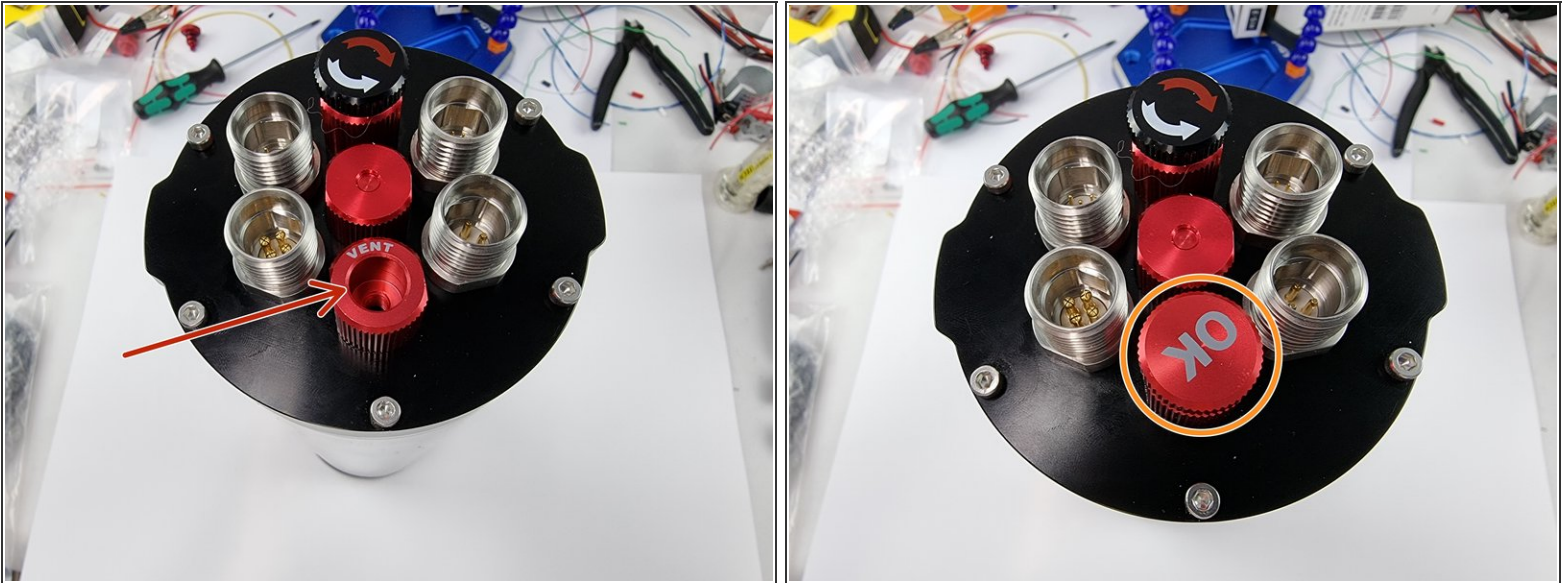
Step 6

- Before we insert the assembled end cap with support plate into the acrylic tube we need to remove the vent plug
- Unscrew the plug with the OK written on it. Once it unscrews pull the plug out.

Step 7



- Carefully slide the support plate with the components into the acrylic tube. Watch that you don't catch any wires as you insert it.
- Once inserted carefully push the end cap in ensuring the o-rings don't catch and get damaged.
- ⓘ Match the orientation of the 2 end caps. Twist one of the end caps until the tabs on the side of the end cap line up with the other end cap.

Step 8

- Now that the PPM is assembled we can insert the vent plug back in
- Push the vent plug in and then screw it all the way down to ensure a good seal

Congratulations the Power and Processing Module (PPM) is now fully assembled and ready to be installed into the submarine