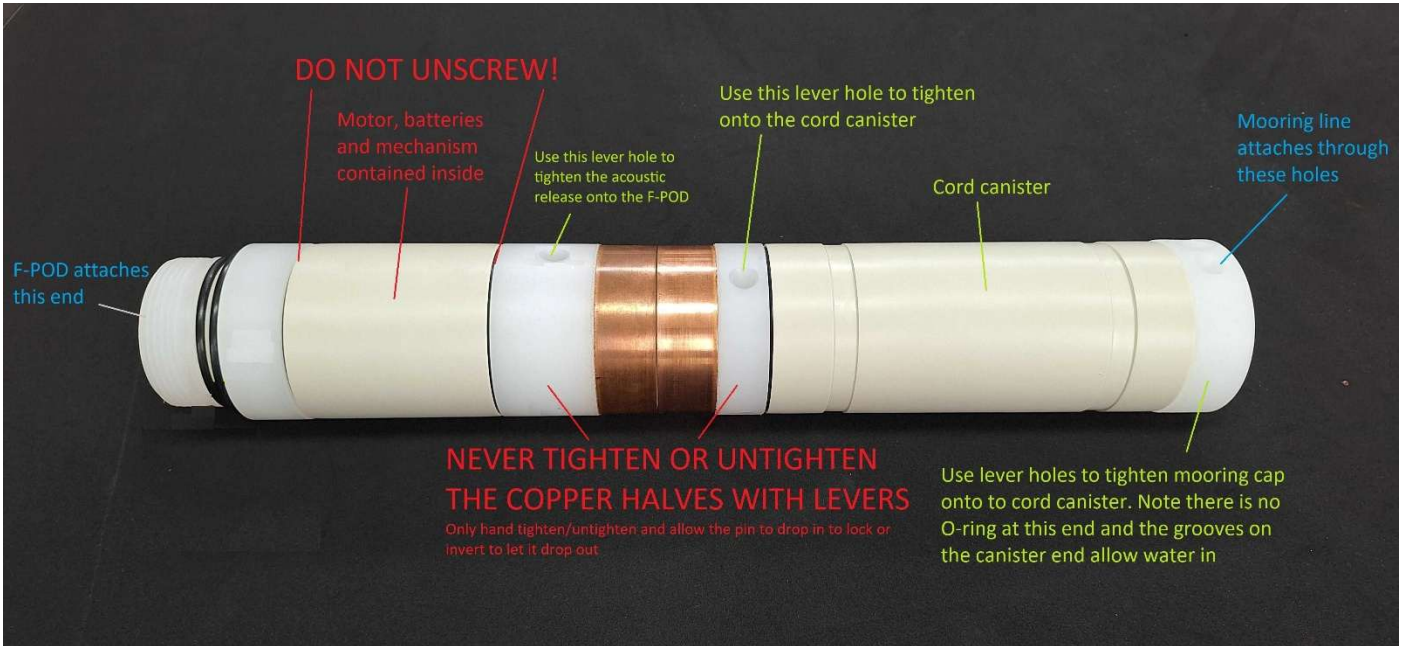


# A Brief Description of the Acoustic Release

## Section A: How to safely tighten and untighten the acoustic release sections

### Acoustic release module overview



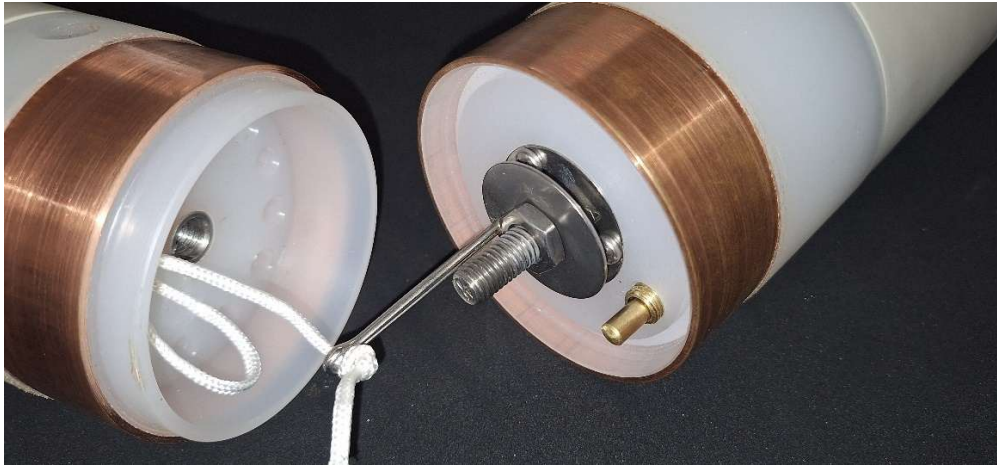
1. After attaching the end of the cord to the canister lid, tighten the lid onto the canister through one of the lid mooring holes.



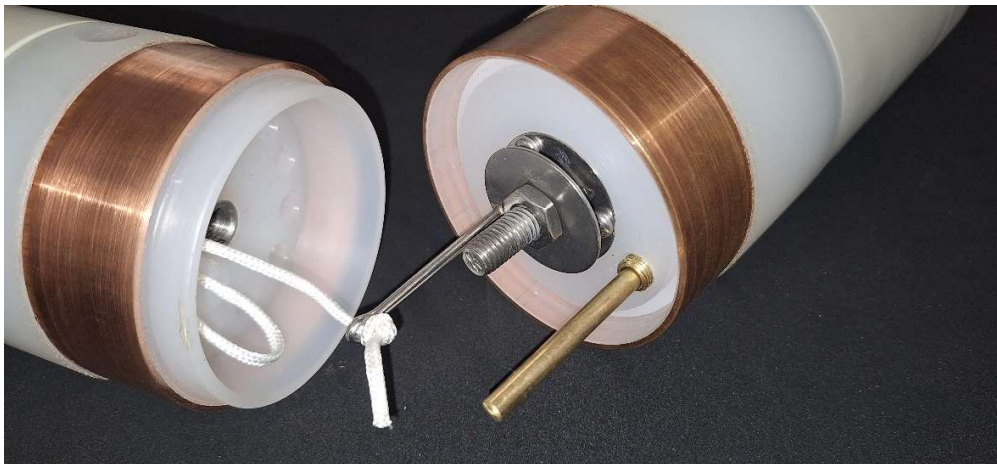
2. Once the cord is loaded into the canister use this lever hole to tighten the canister release section onto the canister.



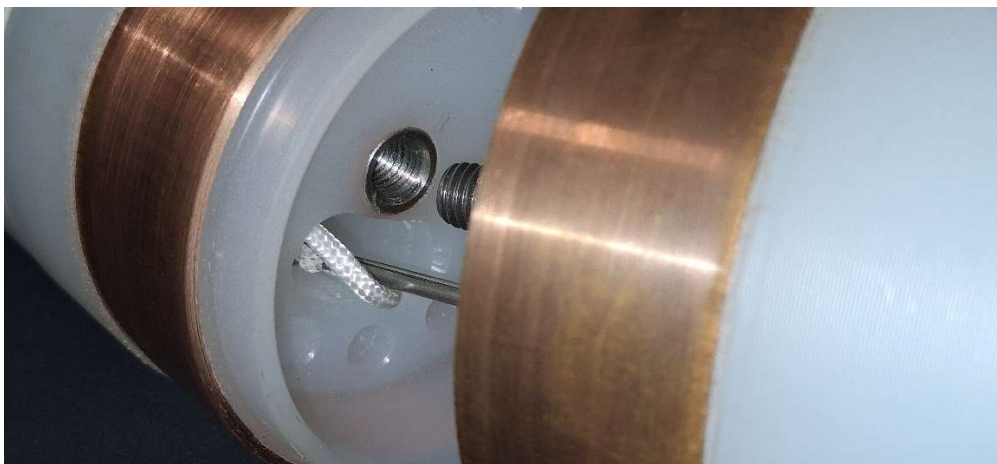
3. With the 2 halves separated you can see there are holes in the rope canister end and a bronze pin in the end that attaches to the FPOD (the motor end).



4. The pin is free to move and drops down with gravity. The pin will drop into a hole to lock the halves together meaning the rotating central bolt can push the halves apart when the release is activated.



5. When you are screwing the 2 halves together, first push the pin back in so it's not in the way make sure the eyelet rod with the cord threaded through goes into the large hole and the threaded release bolt is lined up with the threaded hole in the centre.



6.

- a. Once the threaded bolt has engaged and rotated a couple of turns, turn the acoustic release module upright so the lid is at the top and the end that attaches to the F-POD is at the bottom. Continue to screw them together until it reaches the end of travel, DO NOT use any force at all when attaching the 2 halves, they are not meant to be tight.
- b. Now turn the acoustic release module up the other way so the lid is at the bottom and the F-POD end is at the top. Gently and slowly undo the 2 halves, at most by a few millimetres and the pin will drop down in to a hole locking the 2 halves together. Try gently rotating the halves again to see that the pin has dropped and they only move slightly. DO NOT try to tighten the 2 halves as this will bend or break the pin meaning the release mechanism will fail.



a)



b)

## Section B: Connecting the acoustic release module to a D12 F-POD

For D12 F-PODs connect the acoustic release cable to the socket between the SD card reader and the stop button on the F-POD board.

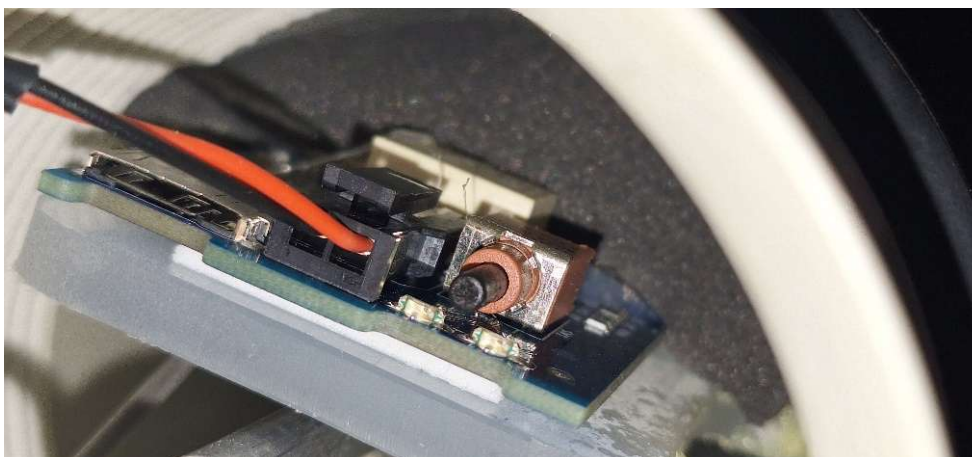
1. Push the black connector into the socket in the centre of the F-POD circuit board



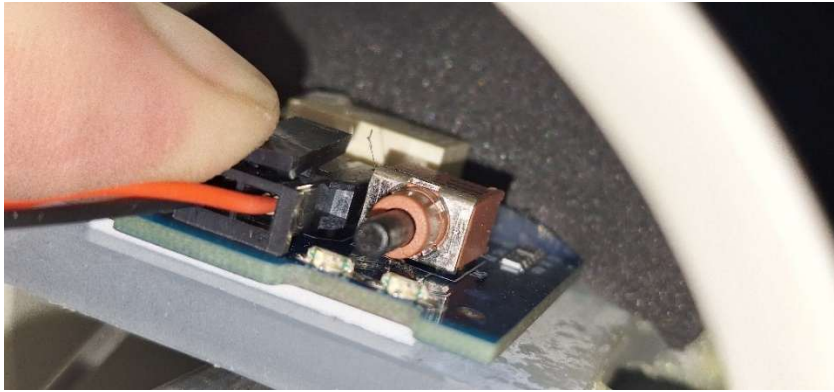
2. Make sure the connector has its clip at the top which prevents it accidentally being pulled out.



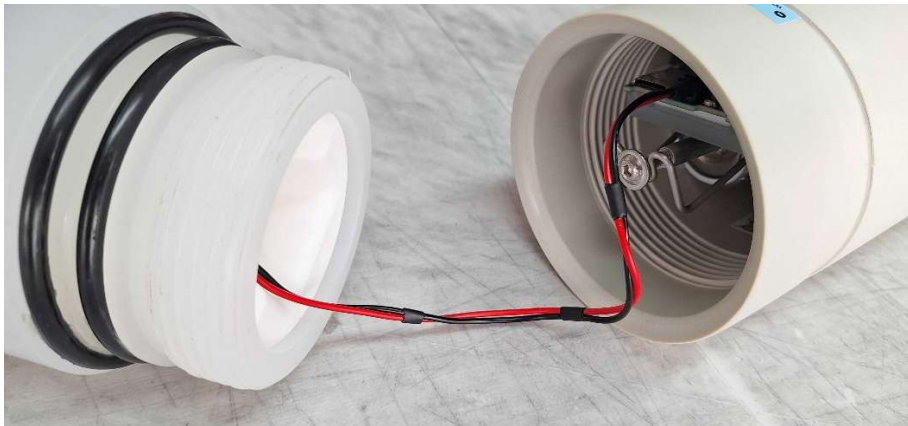
3. Push the connector and it will click into place



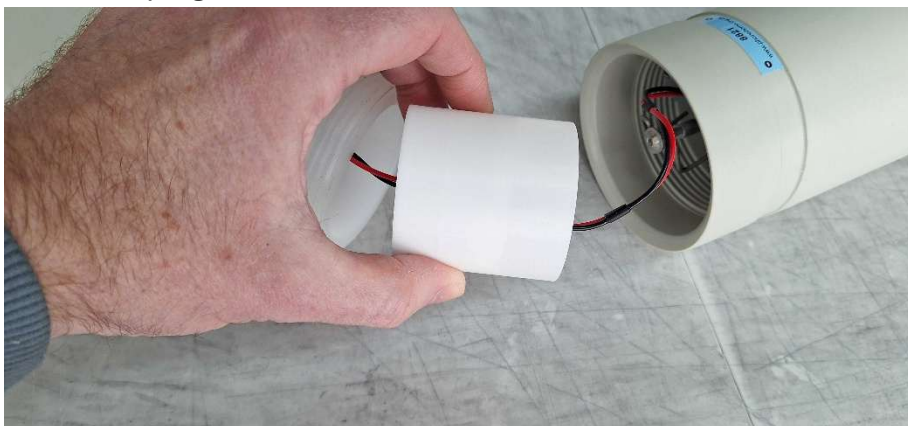
4. *Note. To remove the connector, push the clip down and pull it out, hold the connectors when you pull not the cable wires*



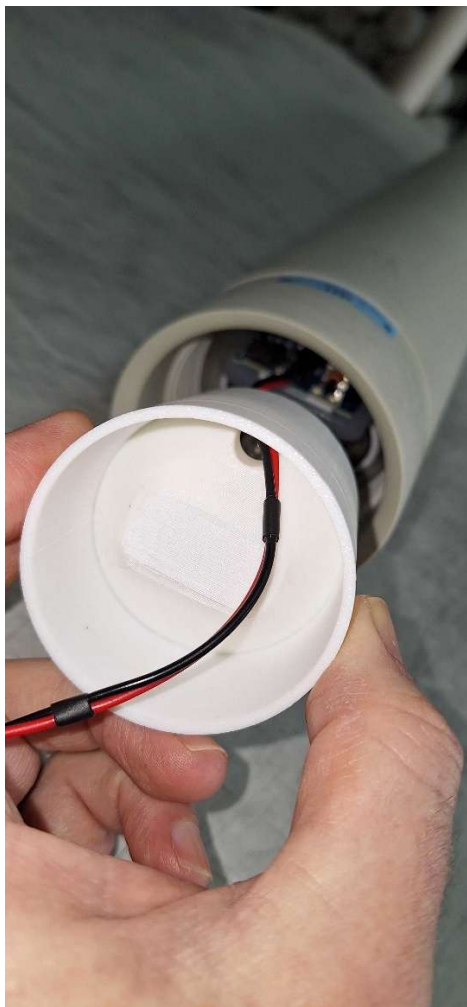
5. Slide the acoustic release cable guide out of the acoustic release along the cable



6. Slide as much cable through the whole as you can until the hole in the guide, lines up with where the plug socket on the F-POD.



7. The cable guide will slot in over the battery clip and prevent the card being ejected or the button pushed when the cable is rotated. It doesn't click in or hold in place, it just rests on top



8. Push the excess cable on the acoustic release side into the guide to prevent it being trapped



9. Slide the acoustic release over the cable guide until the threaded ends meet



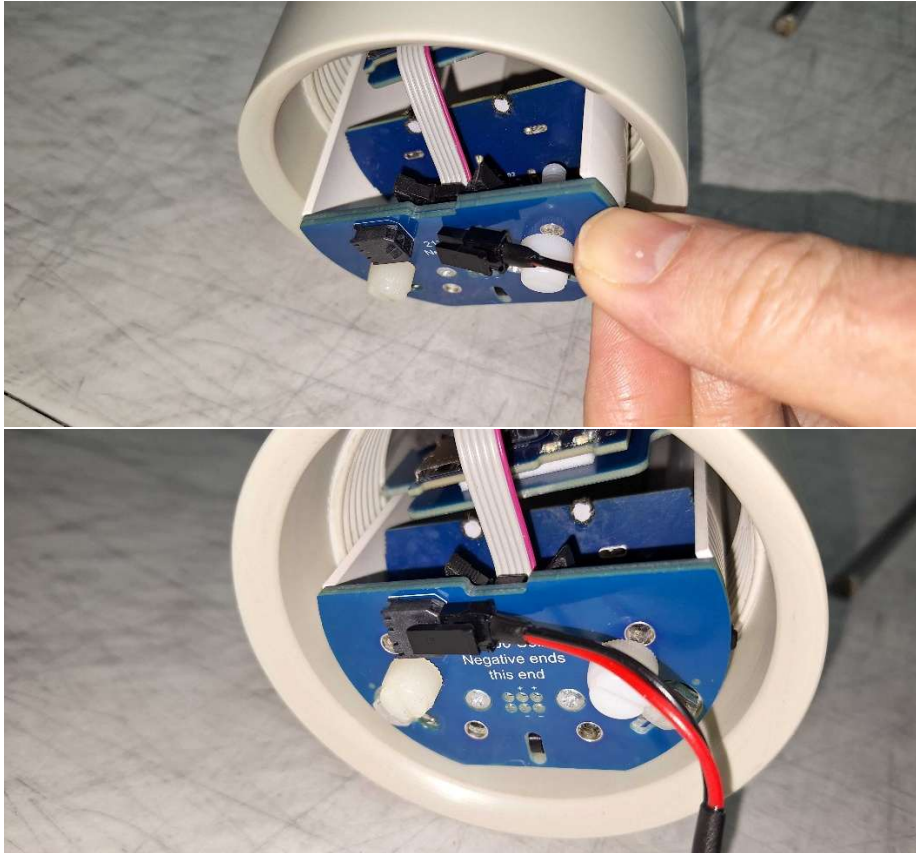
10. You can now screw the Acoustic Release module onto the F-POD, once hand tight use the single hole in the Acoustic Release section before the copper section to tighten onto the F-POD with a short bar as you would when tightening an F\_POD lid.



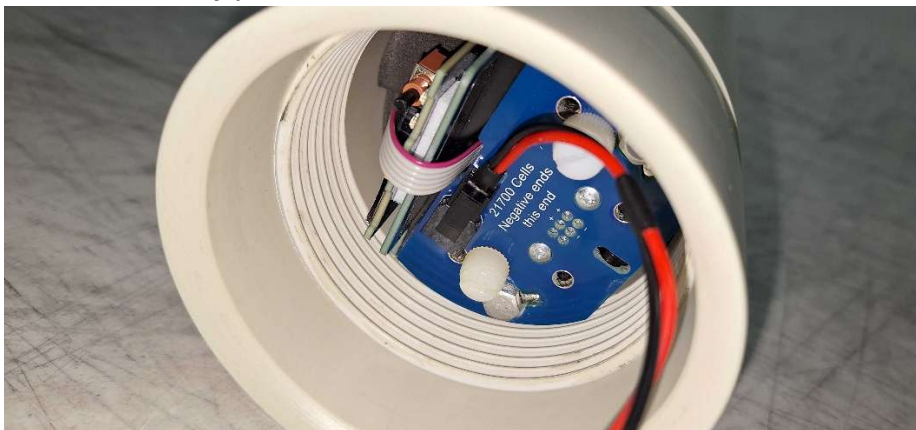
## Section C: Connecting the acoustic release module to a R25 F-POD

For R25 F-PODs connect the acoustic release cable to the socket on the end of the lithium battery pack.

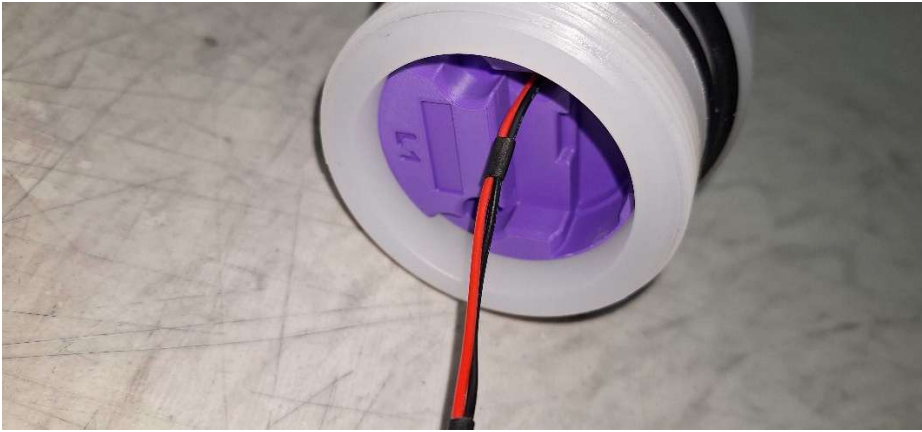
1. Pull the lithium battery back out to the end of the F-POD tube to make access easier and push the black end into the connector socket on the lithium battery pack



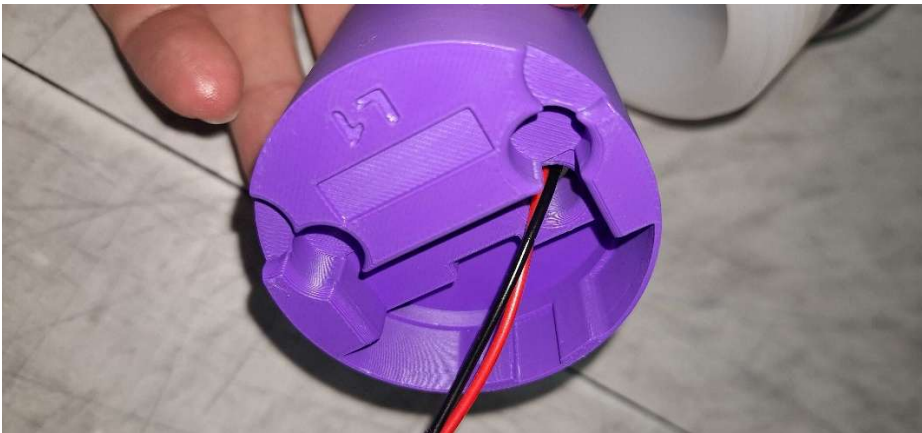
2. Push the battery pack back into the tube



3. Slide the acoustic release cable guide out of the acoustic release along the cable



4. Note the position of the 2 round recesses which position onto the nylon bolts on the battery pack



5. Rotate the cable guide until the recesses line up with the nylon bolts and pull the cable through the hole so there isn't excess cable on the F-POD side



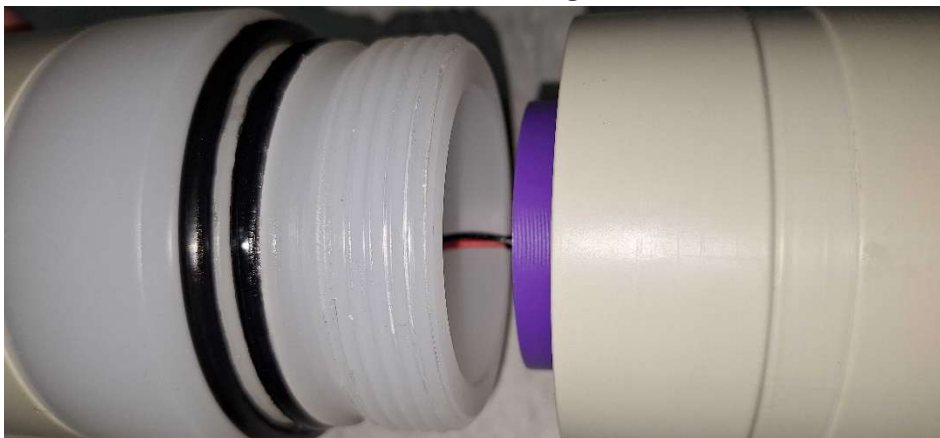
6. The cable guide will now position onto the bolts and protects the cable from being snagged and prevents the card being ejected or the button pushed when the cable is rotated



7. Push the excess cable on the acoustic release side into the guide to prevent it being trapped



8. Slide the acoustic release over the cable guide until the threaded ends meet



9. You can now screw the Acoustic Release module onto the F-POD, once hand tight use the single hole in the Acoustic Release section before the copper section to tighten onto the F-POD with a short bar as you would when tightening an F\_POD lid.

