

Alert Level: **ADVISORY**

Software Version: N/A

Instrument: MMP with Sea-Bird 52MP CTD

Subject: Removing the Sea-Bird 52MP CTD Sensor

Summary: A releasable polyethylene support strut on the MMP eases removal of the Sea-Bird 52MP CTD.

Potential Negative Effects: Strut must be re-installed properly before deployment for MMP structural integrity.

Technical Details: The 52MP CTD fits below a removable strut on the MMP body. When removing the 52MP CTD, refer to the photos and steps that follow as a guide.

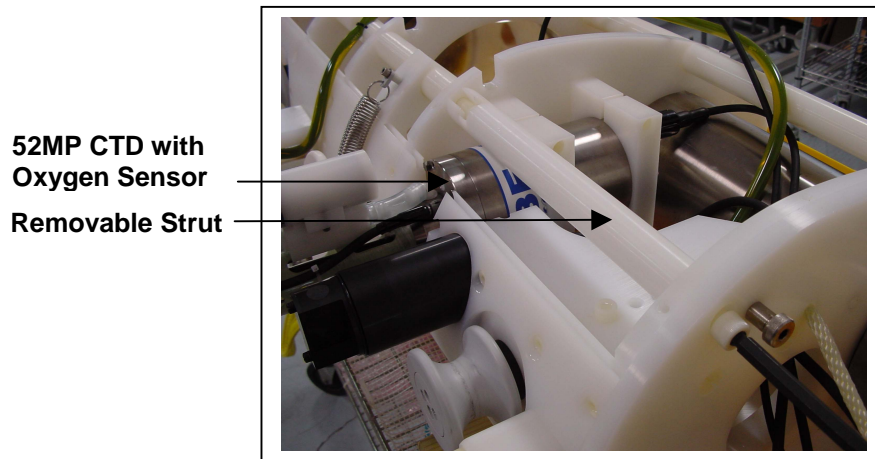


Figure 1: 52MP CTD and Removable Strut

1. Turn the strut so that the notch faces up (see Figure 2).

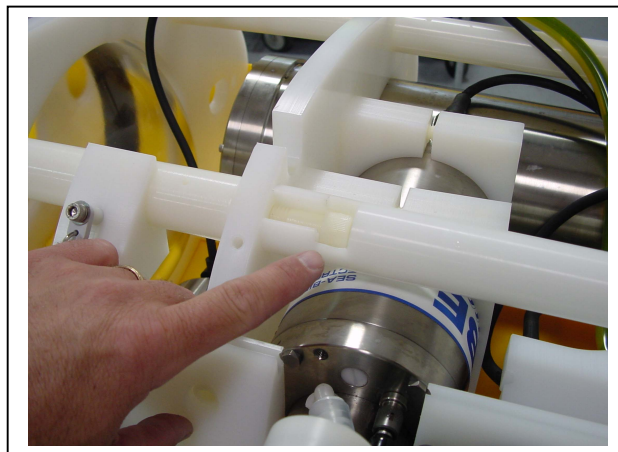


Figure 2: Strut with Notch Facing Up

2. Use a 3/8" Hex Driver to remove the socket cap screw from the strut bottom (see Figure 3).
3. Lift up to remove the strut (see Figure 4).

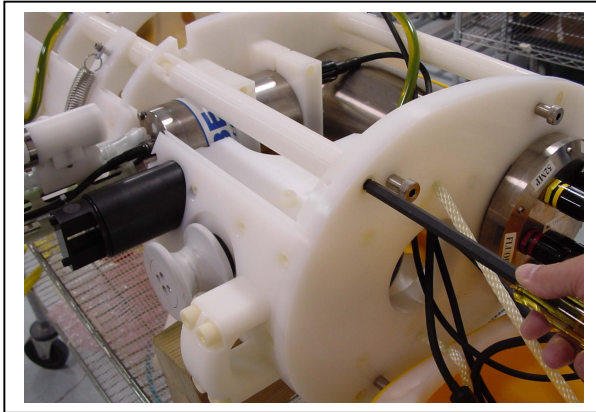


Figure 3: Release the Strut

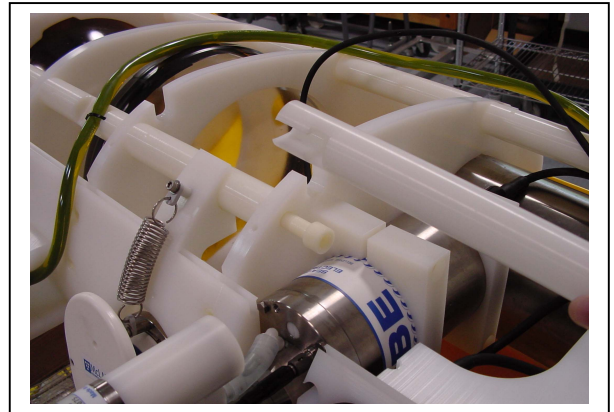


Figure 4: Lift the Strut

4. Remove the CTD mounting bracket screws using an Allen wrench (see Figure 5).

Note: Support the CTD sensor while removing the screws.

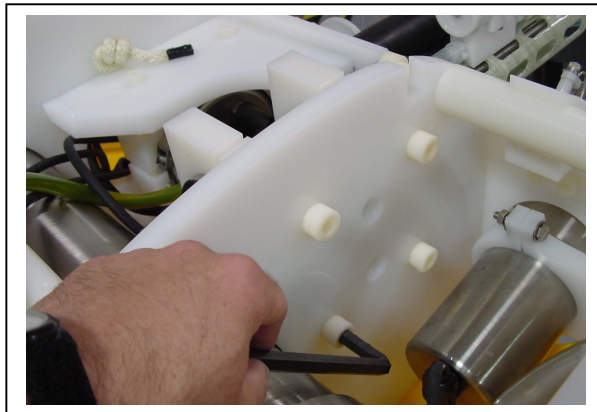


Figure 5: Remove Mounting Plate Screws

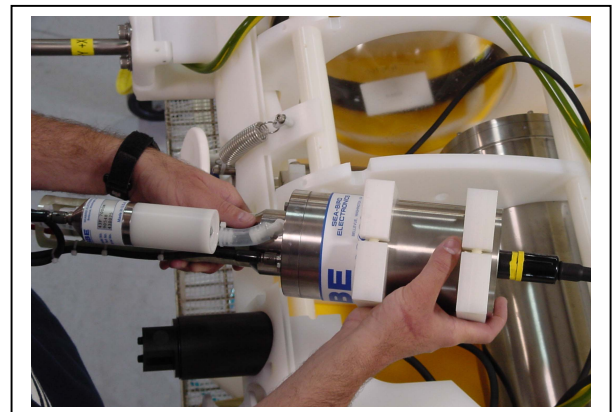


Figure 6: Lift the CTD from the Sensor Mount

5. Carefully lift the 52MP CTD and mounting bracket from the MMP (see Figure 6).
6. Disconnect the MMP CTD cable.
7. Reverse these steps to re-install the CTD.