SBE 9plus to Chelsea Transmissometer Mount Kit

KIT CONTENTS

<table>
<thead>
<tr>
<th>SBE P/N</th>
<th>Manufacturer P/N</th>
<th>Primary SBE Application</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>231250</td>
<td>SBE 9plus to Chelsea Mount Block</td>
<td>Secured to Chelsea; Stabilize Xmiss against CTD</td>
<td>2</td>
</tr>
<tr>
<td>30409</td>
<td>Teflon Tape</td>
<td>Insulate Stainless Steel hose clamp</td>
<td>4 feet</td>
</tr>
<tr>
<td>30882</td>
<td>Bolt, 4mm x .78 Socket cap, Ti</td>
<td>Secure mount blocks to Chelsea</td>
<td>4</td>
</tr>
<tr>
<td>31341</td>
<td>Hose Clamp, AWAB 316 SS, #120</td>
<td>Secure Chelsea to CTD</td>
<td>2</td>
</tr>
</tbody>
</table>

A. INSTALLING TEFLOM TAPE ON HOSE CLAMPS

1. Hose clamps should have a layer of Teflon tape on the inside. This will insulate against any unlike metal contact.
2. Cut a length of Teflon tape for each hose clamp about 3-4” shorter than the clamp.
3. Clean inside of hose clamps with alcohol, and apply the tape.
4. You may press against the tape to keep it aligned.
5. You may also peel it back off to correct as you go.
6. Use a sharp blade to cut a notch next to the clamp area.
7. Remove any tape hanging over the edge of the hose clamps, leaving a small flap to protect the clamp.

B. INSTALLING HOSE CLAMPS AND SENSORS ONTO CTDS

1. Open hose clamp and wrap it around the CTD.
2. Secure end of hose clamp by threading it 1-2 turns into clamp.
3. Slip sensor through between hose clamp and CTD.
4. Slip mount block through such that it fits properly between sensor and CTD.
5. Tighten hose clamp by hand or with an electric screwdriver just until it has pulled out all the slack.
6. For plastic housings, you can squeeze and crack the housing by overtightening the hose clamp.
7. For all housings, laws of thermal expansion declare that the sensor may loosen slightly as it becomes very cold.

C. INSTALLING CHELSEA TRANSMISSOMETER ONTO SBE 9plus CTD:

1. Screw mount blocks onto Chelsea such that concave side faces out. Mount holes are in pairs at either end of the light transmission region.
2. Lay CTD on its side, and set Chelsea against it. Blocks should sit flush against the CTD.
3. Secure Chelsea to CTD with 2 hose clamps
4. Hose clamps should be positioned directly over the mount blocks. You may need to keep them loose and reposition the Chelsea until a secure fit is attained.
PN 3134: Hose Clamp (2 Places)
PN 30409: Teflon Tape (as required)

PN 231250: SBE 9plus to Chelsea Mount Block (2 Places)

PN 30882: Bolt, 4mm x .78 Socket (4 Places)

(Chelsea Transmissometer)