



Engineering Note

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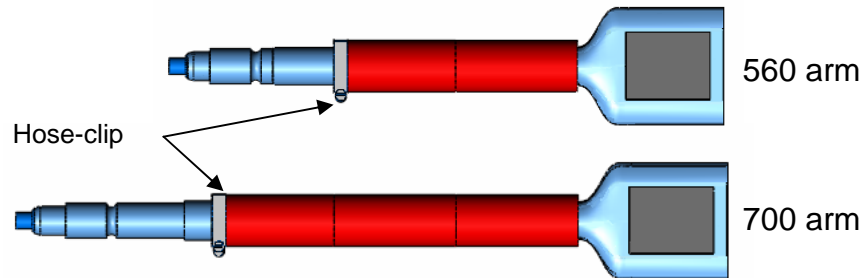
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Title:	Fitting the wear sleeves on the Hydro-Probe Orbiter sensing arm
Document reference (DRC):	EN0044 Rev. 1.0.0
Last updated:	27-Oct-2004
Products affected:	ORB1, ORBA1-560/700/Custom
Summary:	Fitting the wear sleeves on the Hydro-Probe Orbiter sensing arm

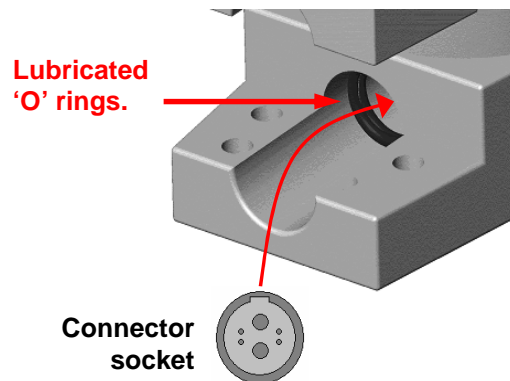
***Fitting the wear sleeves.***

For complete installation instructions please refer to chapter 2 of the Hydro-Probe Orbiter User Guide – HD0215 / HD0256, available for download from <http://www.hydronix.com>.

- Undo the arm clamp bolts, remove the clamp from the sensor body and pull out the sensing arm.
- Scrape off debris and slide over the required number of wear sleeves. *2 sleeves are recommended for a 560 arm. 3 sleeves are recommended for a 700 arm. A custom length longer arm may require more to suit your application.*
- With the wear sleeves pushed down to the bottom of the arm, fasten in place with the hose-clip provided as shown below.

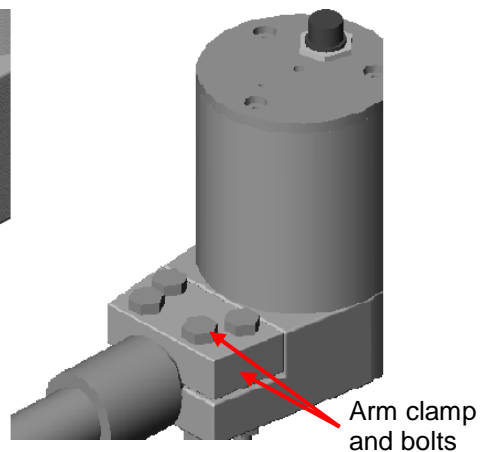


- If using the longer 700 arm, ensure the strengthening collar is used.
- Check the 'O' rings are fitted and lubricated.
- Re-attach the sensing arm with the new wear sleeves, **ENSURING THE CONNECTOR KEYWAY ON THE PLUG AND SOCKET ARE IN-LINE.**
- With the sensing head set at the correct angle as before, tighten the arm clamp nuts.



Lubricated 'O' rings.

Connector socket



Arm clamp and bolts



**ENSURE KEYWAYS ON PLUG AND SOCKET ARE IN-LINE.**