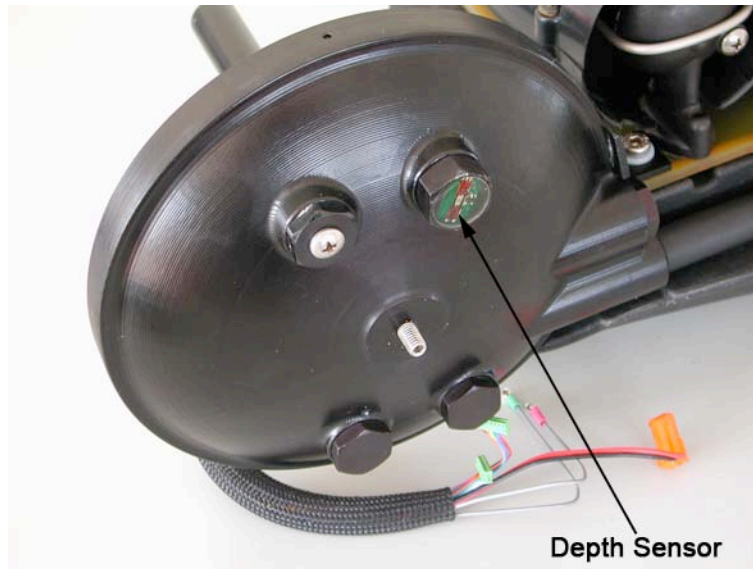


## Depth Sensor

### Introduction

The LBV<sup>2</sup> has an external depth and temperature sensor installed in the starboard camera housing end cap. Housed in an aluminum casing and potted. The depth sensor communicates with the sensor board.



### Work Environment

Prior to beginning ensure you have a clean and dry workspace. Locate the required tools and parts and have paper towels available. It is a good idea to have a container to keep fasteners in as they are removed. Read through the instructions fully prior to beginning and make sure you understand what they are asking you to do.

Be very careful when handling electronics. Use a grounding strap and avoid any static that may damage the boards.

### Reading Manual



Below is a list of the required tools, estimated time to complete and level of difficulty. Next to each step where a tool is required the tool is listed. Some of the steps have special notes that must be observed.

Tools Required	Time to complete	Level of Difficulty
<ul style="list-style-type: none"> <li>• 19mm Open End Wrench</li> <li>• Gel lube</li> </ul>	<ul style="list-style-type: none"> <li>• 3 minutes</li> <li>• 30 minutes including other procedures</li> </ul>	<ul style="list-style-type: none"> <li>• Easy</li> <li>• Electronics Care Required</li> </ul>



**Prior to working on the LBV make sure the power is off and the umbilical is DISCONNECTED.**

	<p><b>Prior to performing this procedure you must first follow these procedures:</b></p> <ul style="list-style-type: none"><li>• <b>View port removal</b></li><li>• <b>Sensor board removal</b></li></ul>
	<p><b><u>Step 1</u></b></p> <p>Place vehicle upside down.</p>
	<p><b><u>Step 2 – 19mm Open End Wrench</u></b></p> <p>Loosen depth sensor from camera housing end cap.</p>
	<p><b><u>Step 3</u></b></p> <p>Remove depth sensor from camera housing end cap.</p>
	<p><b><u>Step 4 – O-ring Grease</u></b></p> <p>Apply gel lube to o-ring on depth sensor.</p>

	<p><b><u>Step 5</u></b></p> <p>Carefully push connector through camera housing end cap.</p>
	<p><b><u>Step 6 – 19mm Open End Wrench</u></b></p> <p>Tighten depth sensor into camera housing end cap.</p>
	<p><b>Once complete follow the procedures to:</b></p> <ul style="list-style-type: none"><li>• <b>Install view port</b></li><li>• <b>Install sensor board</b></li></ul>