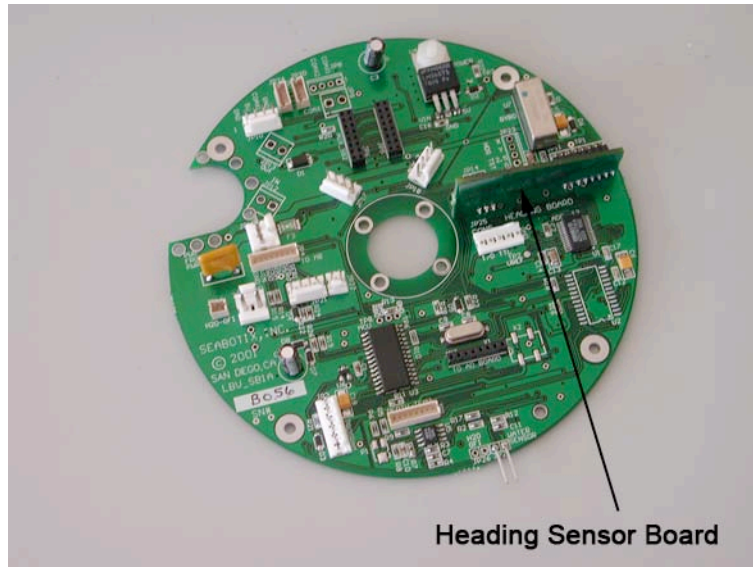


Heading Sensor Board

Introduction

The LBV² is fitted with a magnetic compass mounted to a small board. This heading board is mounted to the sensor board inside the starboard camera housing end cap.



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"> None 	<ul style="list-style-type: none"> 1 minute 30 minutes including other procedures 	<ul style="list-style-type: none"> Easy Electronics Care Required



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

	<p>Prior to performing this procedure you must first follow these procedures:</p> <ul style="list-style-type: none"> • View port removal • Sensor board removal
	<p><u>Step 1</u></p> <p>Unplug heading sensor from sensor board.</p>
	<p><u>Step 2</u></p> <p>Locate new heading sensor.</p>
	<p><u>Step 3</u></p> <p>Plug new heading sensor onto sensor board being careful to align pins correctly.</p>
	<p>Once complete follow the procedures to:</p> <ul style="list-style-type: none"> • Install sensor board • Install view port