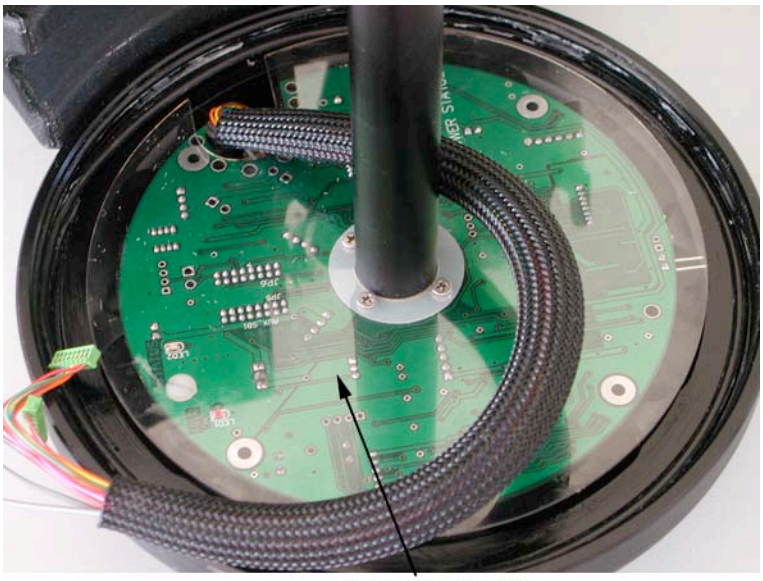
Sensor Board

Introduction

The LBV^2 has a round electronics board mounted in the starboard camera housing end cap. This board called the Sensor board interfaces between the depth, temperature and heading sensors and the motherboard. It also acts as a connection point for some options.



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

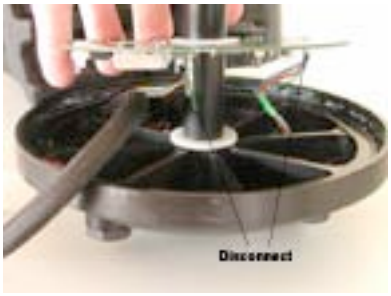
Below is a list of the required tools, estimated time to complete and level of difficulty. Next to each step where a tool is required the tool is listed. Some of the steps have special notes that must be observed.

Tools Required	Time to complete	Level of Difficulty
• 1.5mm Hex Ball Driver • #1 Phillips Screwdriver	• 5 minutes • 30 minutes including other procedures	• Moderate • Electronics Care Required

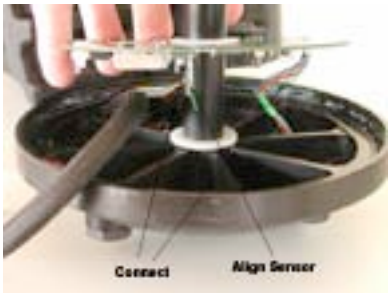
Prior to working on the LBV make sure the power is off and the umbilical is DISCONNECTED.

Removal

	Prior to performing this procedure you must first follow these procedures: • **View port removal**
	**Step 1** Lift camera chassis from center rod and set to one side.
	**Step 2** Remove camera chassis spacer from center rod.
	**Step 3 - #1 Phillips Screwdriver** Remove 4 x Phillips pan head screws securing sensor board to camera housing end cap.
	**Step 4** Remove service loop protector.

	**Step 5** Raise sensor board and unplug both connectors.
	**Step 6** Remove sensor board and set aside.

Installation

	**Step 1** Lower sensor board onto center rod. Connect both connectors and align heading sensor with front cutout.
	**Step 2** Lower sensor board and single white nylon spacer being sure to align holes.
	**Step 3** Lower service loop protector also aligning four holes.

	**Step 4 - #1 Phillips Screwdriver** Insert and tighten 4 x Phillips pan head screws. Careful not to over tighten as service loop protector will crack.
	**Step 5** Lower service loop spacer onto center rod.
	**Step 6** Wrap service loop around center rod and lower camera chassis onto rod.
	Once complete follow the procedures to: • **Install view port**