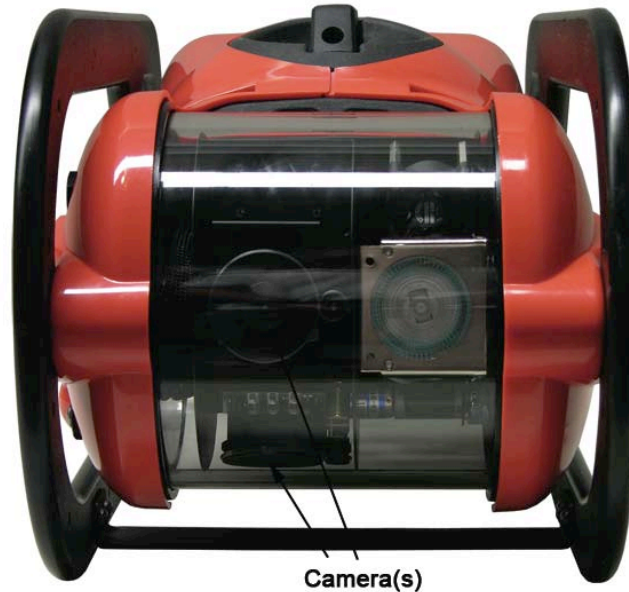


Camera

Introduction

The LBV² is fitted with one or two cameras in the front housing. Primary camera is color and the secondary camera is black and white. The small camera modules are mounted in a special bracket in turn mounted to the camera chassis. They are connected to the motherboard.



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

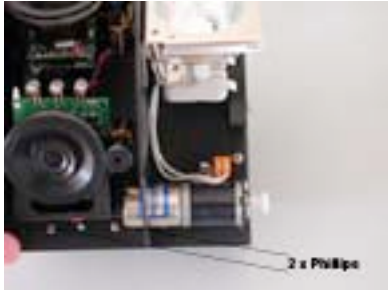
Below is a list of the required tools, estimated time to complete and level of difficulty. Next to each step where a tool is required the tool is listed. Some of the steps have special notes that must be observed.

| Tools Required | Time to complete | Level of Difficulty |
|---|--|---|
| <ul style="list-style-type: none"> #2 Phillips Screwdriver | <ul style="list-style-type: none"> 5 minutes 35 minutes including other procedures | <ul style="list-style-type: none"> Easy Electronics Care Required |

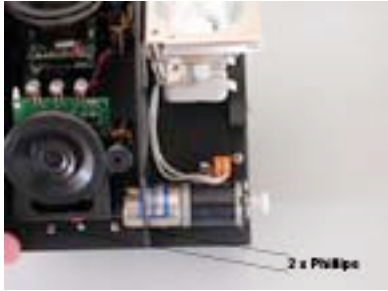


Prior to working on the LBV make sure the power is off and the umbilical is DISCONNECTED.

Removal

| | |
|---|--|
| | <p>Prior to performing this procedure you must first follow these procedures:</p> <ul style="list-style-type: none"> • View port removal • RF modulator removal • Video Overlay removal • Motherboard removal |
|  | <p><u>Step 1 - O-ring Insertion Tool</u></p> <p>Remove 2 M2.5x4 Phillips pan head screws securing camera to camera chassis.</p> |

Installation

| | |
|---|---|
|  | <p><u>Step 1 – O-ring Insertion Tool</u></p> <p>Feed wires from new camera through hole in camera chassis and insert and tighten 2 M2.5x4 Phillips pan head screws.</p> |
| | <p>Once complete follow the procedures to:</p> <ul style="list-style-type: none"> • Install motherboard • Install RF modulator • Install Video Overlay • Install view port |