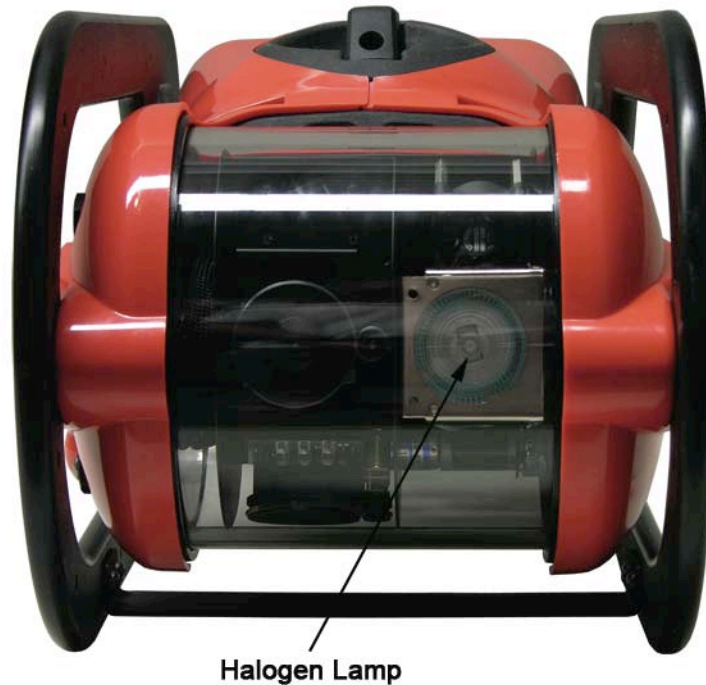


## Lamp

### Introduction

The LBV<sup>2</sup> is fitted with an internal halogen lamp that tracks with the primary color camera. Life expectancy of the lamp is thousands of hours, however, they may on occasion be damaged in transit.



### 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.

### 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>1.5mm Hex Ball Driver</li> </ul>	<ul style="list-style-type: none"> <li>5 minutes</li> <li>20 minutes including other procedures</li> </ul>	<ul style="list-style-type: none"> <li>Easy</li> <li>Care Required</li> </ul>






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




## Removal

	<p><b>Prior to performing this procedure you must first follow these procedures:</b></p> <ul style="list-style-type: none"> <li>• <b>Remove view port – NOTE that the view port itself does not have to be removed.</b></li> </ul>
	<p><b><u>Step 1</u></b></p> <p>Gain access to camera housing.</p>
	<p><b><u>Step 2</u></b></p> <p>Remove drive belt from tilt motor and pulley.</p>
	<p><b><u>Step 3 – 1.5mm Hex Ball Driver</u></b></p> <p>Loosen 3 set screws securing tilt pulley to center rod.</p>
	<p><b><u>Step 4</u></b></p> <p>Remove pulley.</p>

	<p><b><u>Step 5</u></b> Push lever releasing lamp.</p>
	<p><b><u>Step 6</u></b> Remove lamp.</p>

**Installation**

	<p><b><u>Step 1</u></b> Push new lamp into place being careful to align pins.</p>
	<p><b><u>Step 2</u></b> Locate tilt pulley and align groove with camera angle stop screw on camera chassis.</p>
	<p><b><u>Step 3</u></b> Stop screw on camera chassis.</p>

	<p><b><u>Step 4</u></b></p> <p>Tilt camera chassis so primary camera is facing straight down. Rotate pulley clockwise to stop. This sets the field of vision for the camera chassis.</p>
 <p>3 x Set Screws</p>	<p><b><u>Step 5 – 1.5mm Hex Ball Driver</u></b></p> <p>Tighten set screws evenly. Be careful not to over tighten.</p>
	<p><b><u>Step 6</u></b></p> <p>Wrap drive belt around tilt motor pulley one and one half times (double wrap, not figure eight).</p>
	<p><b><u>Step 7</u></b></p> <p>Lower drive belt onto tilt pulley.</p>
	<p><b><u>Step 8</u></b></p> <p>Test Camera Angle calibration in the programming menu to ensure the pulley is aligned correctly.</p>

	<p>Once complete follow the procedures to:</p>
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- **Install view port**