

13. Video Overlay Replacement



Prior to beginning ensure you have a clean and dry workspace. Lay out required tools from spares kit 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.

Tools Required	Time to complete	Level of Difficulty
<ul style="list-style-type: none"> #1 Phillips Screwdriver 	<ul style="list-style-type: none"> 15 minutes 	<ul style="list-style-type: none"> Moderate Electronics Care Required



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



Removal

<p>NOTE</p>	<p>Follow instructions to remove view port, shell, ballast tray and protective bumper frame prior to continuing.</p> <ol style="list-style-type: none"> Bumper Frame Replacement Ballast Tray Replacement Shell Replacement View Port Replacement
	<p><u>Step 1</u></p> <p>Place vehicle upside down.</p>
	<p><u>Step 2</u></p> <p>Rotate camera chassis until electronics are visible.</p>

	<p><u>Step 3</u></p> <p>Unplug wire to fan from overlay board.</p>
	<p><u>Step 4</u></p> <p>Remove 3 M3x6 Phillips pan head screws securing Video Overlay board to motherboard.</p>
	<p><u>Step 5</u></p> <p>Carefully remove overlay board.</p>

Installation

	<p><u>Step 1</u></p> <p>Locate new overlay board.</p>
	<p><u>Step 2</u></p> <p>Carefully lower new Video Overlay board onto motherboard aligning pins correctly. Failure to align correctly can damage Video Overlay and/or motherboard.</p>

	<p><u>Step 3</u></p> <p>Insert and tighten 3 x M4 Phillips pan head screws securing overlay board to motherboard.</p>
	<p><u>Step 4</u></p> <p>Reconnect plug to fan. Red wire towards center of camera chassis. Plugs into last three rows.</p>
<p>TEST</p>	<p>Test video overlay prior to installing view port.</p>
<p>NOTE</p>	<p>Follow instructions to install view port, shell, ballast tray and protective bumper frame.</p> <ol style="list-style-type: none"> 1. Bumper Frame Replacement 2. Ballast Tray Replacement 3. Shell Replacement 9. View Port Replacement