

Video Overlay

Introduction

Mounted on top of the motherboard is a small electronics board. The video overlay board is responsible for generating the on screen information.



Video Overlay

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"> #1 Phillips Screwdriver 	<ul style="list-style-type: none"> 5 minutes 30 minutes including other procedures 	<ul style="list-style-type: none"> Moderate 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
	<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 - #1 Phillips Screwdriver</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>
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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 - #1 Phillips Screwdriver</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>Once complete follow the procedures to:</p>
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- Install view port