

FSB Number:	FSB-002
Title:	G2 Killer Sub-Unit (R762482s)
System Description:	Projectors BV 1600, BD1101, B500, B#80# Series.
Module/Component Description:	R761745 and some R762482
Priority:	1
Reference:	BARCO info t 299

<p>1 - Essential SEOS Will Supply the Parts free of charge to implement modification</p> <p>3 - General Improves the general working conditions</p>	<p>2 - Reliability Recommended to improve reliability of the system</p> <p>4 - For Information Only General product and company information</p>
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Description

Modification to Prevent picture tube burns for BV1600, BD1101 B*500 and B*80* projectors without G2 killer fitted.

Reason to apply the modification

If the RGB output module fails, the cathode of the picture tube may be shorted to the ground voltage of the RGB output module.

(I.e. Shorted or leaking Q6 in the case of D1101, 500 and 80* series projectors)

In this event it is possible that the spot suppression mechanism is not sufficient to protect the tube from burning when switching off the projector.

To correct this problem a G2 killer sub-board has been developed to offer additional protection and prevent possible picture burn.

In the event an RGB output module failing this unit will pull down the G2 voltage on all three colours if the +17V or scanfail line goes low.

How to check if this modification should be applied

It is recommended that this modification be applied to all projectors, which are fitted with (R761745) or (R762482 focus modules, with PCB number – version 780021-6 marked as 780021S6 or lower on the non-component side of the PCB).

Solution**WARNING**

Before carrying out the following procedure ensure that mains power to the projector is switched OFF.

CAUTION

Ensure that Anti-static precautions are observed when carrying out this procedure.

If your system is operating with a R761745 or R762482 focus module, with PCB number version 780021-6 (Marked as 780021S6 or lower on the non-component side of the PCB) a G2 Killer PCA will need to be fitted to the module.

To obtain the G2 Killer PCA contact our Customer service department at SEOS Displays Ltd.

Fit the G2 Killer PCA as follows:

1. Remove the Switch Mode Power Supply from the projector.
2. Disconnect the Red, Green and Blue focus cables from the Focus Module.

CAUTION

Exercise extreme care when disconnecting the focus cables from the Focus Module. These cables are fragile and can be damaged easily.

3. Loosen the two side supporting screws securing the module to the side of the projector and withdraw the module from the projector.

4. Refer to figure 1. Solder the G2 Killer PCA to pins 1, 3, 5, 7, 9, 10, 24, 26 and 32 of connector J10A.

Note:

For your convenience, the soldering material is already on the subboard. However, it is recommended that extra soldering material is added to ensure a good connection.

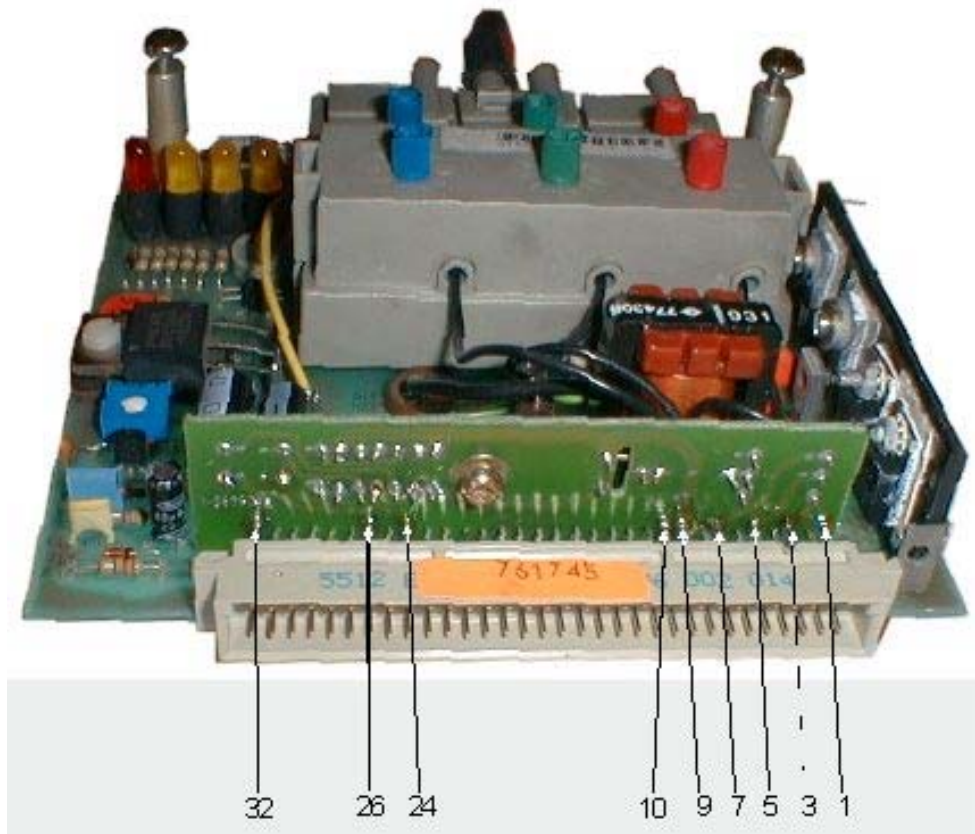


Figure 1

5. Installation of the Focus Module is the reverse of removal.