

**VDCDS Technical Field Bulletin Number 003 (TFB003)**

To: Dealers/Manual Subscribers

Date: 8/18/2003

VDCDS Ref No.: 3253

VDCDS Model: Video Input Module (VIM), 03-270335-02, 04 and 05

Subject: Prevent high voltage shutdown during low beam current. Eliminate ringing of internal test patterns and on-screen display

Corrective Action: See rework instructions.

**PARTS REQUIRED (Parts Kit VDCDS P/N: 69883-01)**

VDCDS P/N	Description	Qty	Circuit Symbol
20025	100 Ohm 1/8 W Resistor	3	R1010, R1011, R1012
32029	Diode (SD101A)	3	D1000, D1001, D1002
66104	Teflon insulation tubing	5 in.	N/A

**TOOLS / MATERIALS REQUIRED (not provided)**

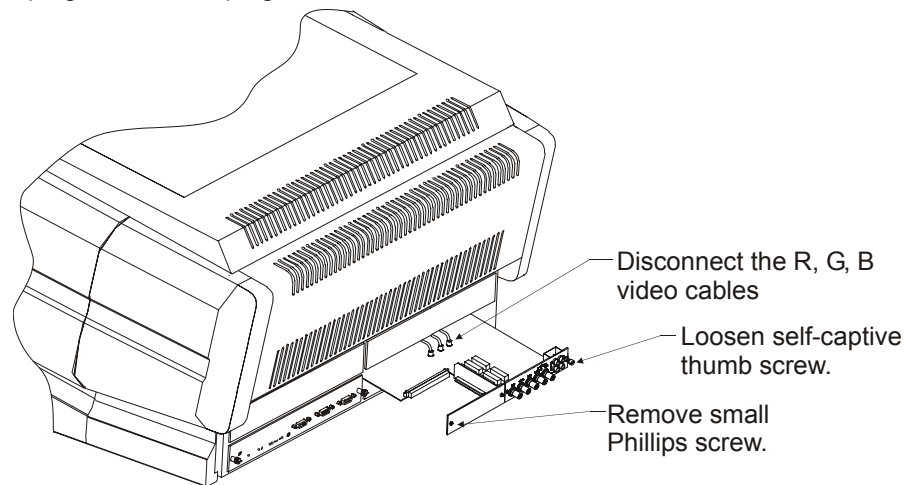
Small Phillips screwdriver	Solder	Soldering Iron
De-solder tool	Needle nose pliers	Exacto Knife / Razor

**Rework Instruction**

**\* Please read the entire procedure before performing any rework \***

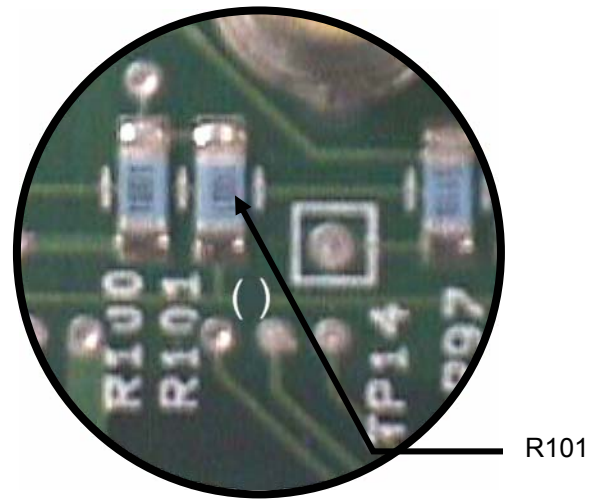
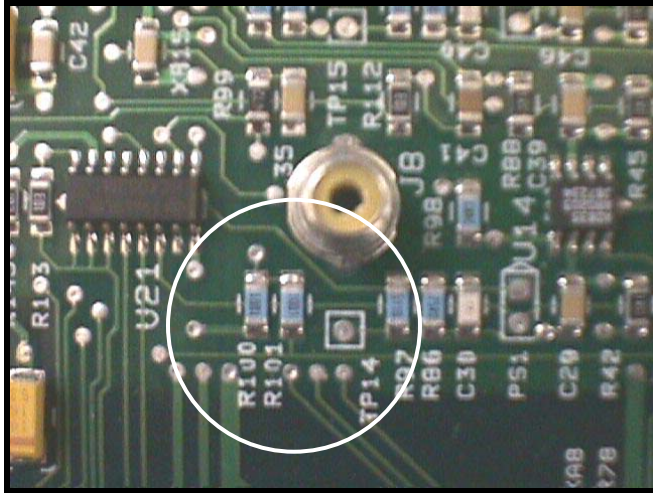


- Step 1.** De-energize and remove main AC power from the projector.
- Step 2.** Remove the VIM from the projector. (All reference are table mount, facing the rear of the projector) See Figure 1.
  - > Loosen the self-captive thumb screw on the right side of the module.
  - > Remove the small Phillips screw located on the left side of the panel.
  - > Carefully slide the VIM out until the R, G and B video cables are exposed.
  - > Unplug the R, G, B plugs at the back of the module. Remove the module from the unit.

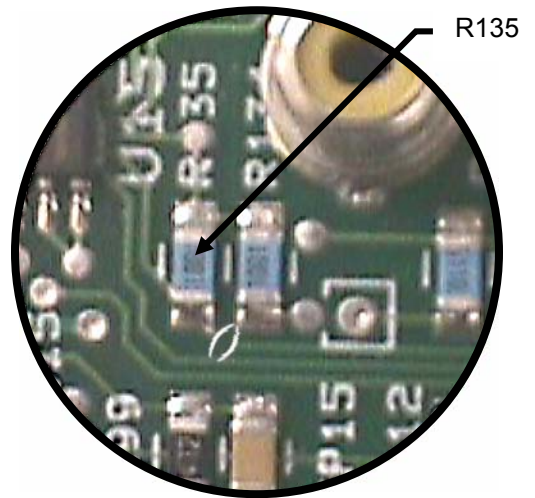
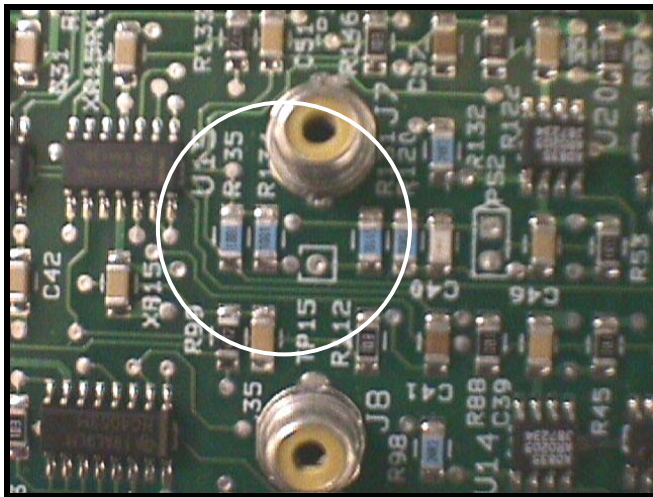


**Figure 1. VIM removal (Marquee™ 8110/8500/9500 Series shown)**

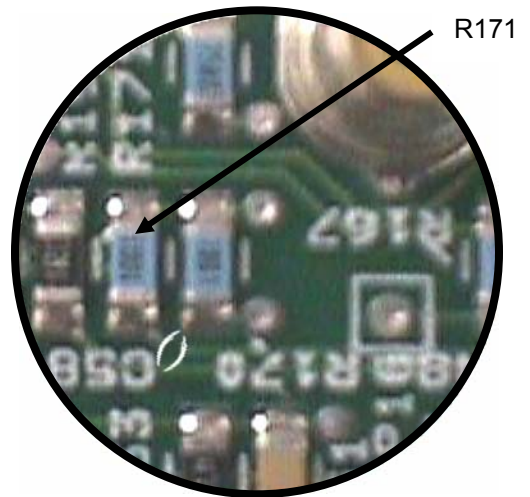
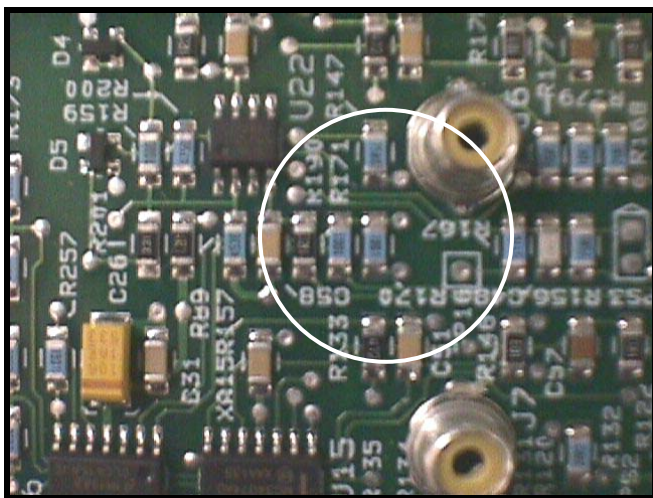
Step 3. On the component side of the PCB, cut traces 3-places as indicated in Photo 1.



Cut trace at R101 as shown.



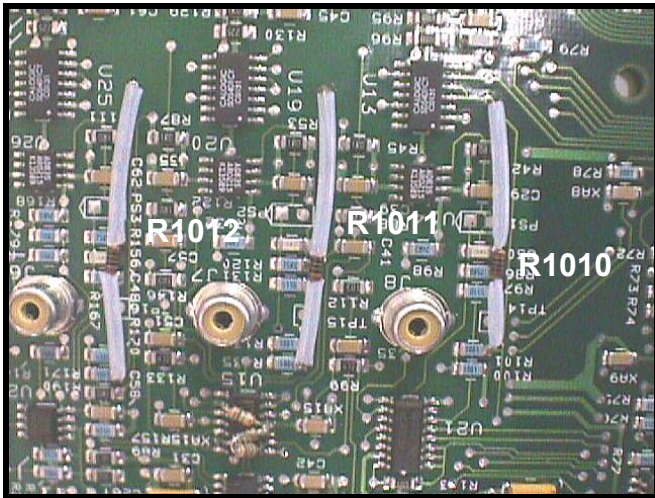
Cut trace at R135 as shown.



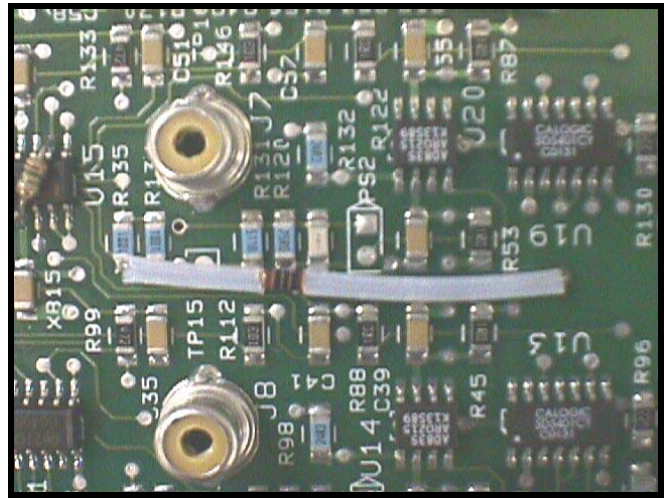
Cut trace at R171 as shown.

Photo 1 Cut traces 3-places

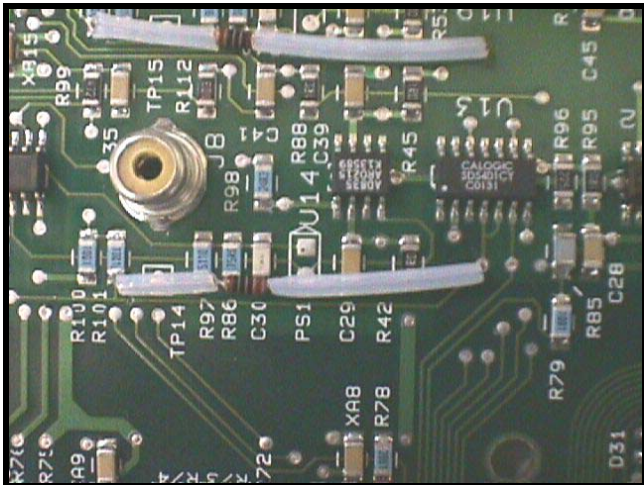
**Step 4.** Add 1-each 100 Ohm resistor (2025) in series with the internal video amplifiers U16 Pin 1, U16 Pin 8 and U16 Pin 14. Using the Teflon insulation, shield each resistor lead. See Photo 2.



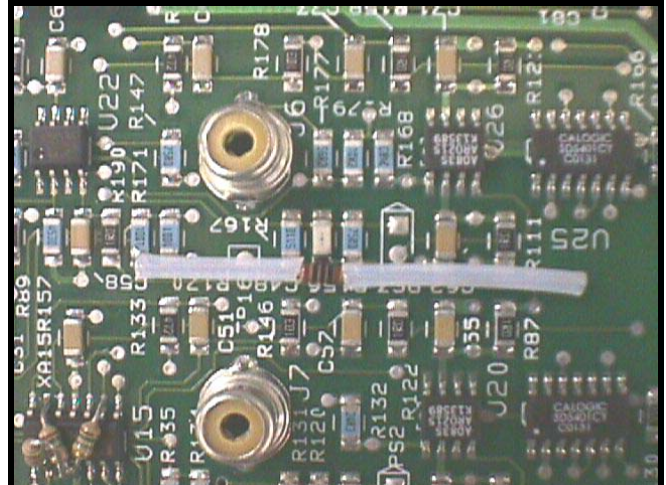
Add 3 resistors - Overview



Add resistor (R1011) between R135 and feed thru.



Add resistor (R1010) between R101 and feed thru.



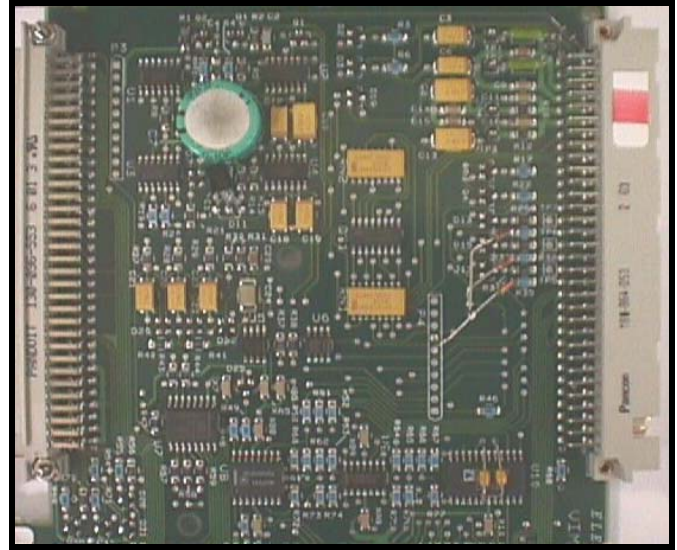
Add resistor (R1012) between R171 and feed thru.

**Photo 2. Add resistors, 3-places (Step 4)**

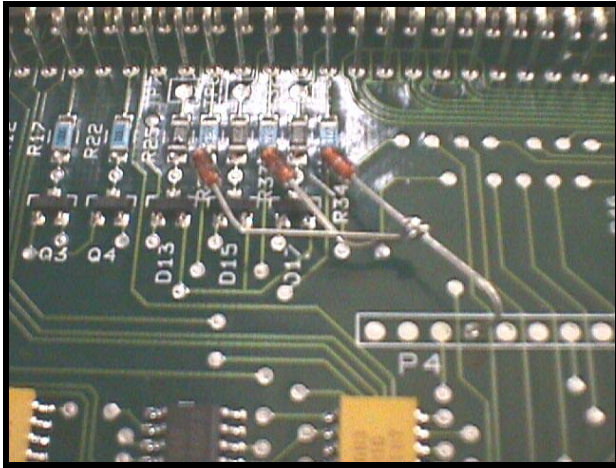
**Step 5.** Add 1-each SD101A diode (32029) from R26, R33 and R35 to ground. See Photo 3

**NOTE 1:** Configure diodes as shown in Photo 3, Detail A

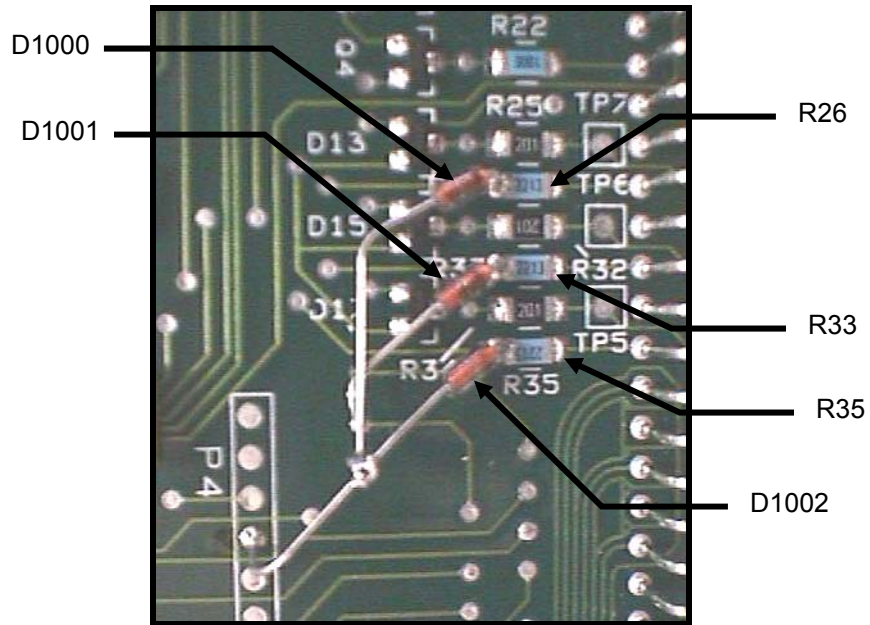
**NOTE 2:** Anode to ground side. See Photo 3, Detail B



Add 3-each diodes- PCB Orientation.



Detail A



Detail B

**Photo 3. Add 3-each SD101A diodes**

**Step 6.** Reinstall the VIM. Reverse Step 2.

**- End of Rework -**