Video Products
Technical Bulletin 30-2001-107R

DATE: **March 24, 2003**

SUBJECT: **WHITE VERTICAL LINE NOISE IN BLANKING**

MODEL:
BVM-D24E1WA
BVM-D24E1WE
BVM-D24E1WU
BVM-D32E1WE
BVM-D32E1WU

SERIAL NO:

BVM-D24E1WA	*2,000,026–2,000,065*
BVM-D24E1WE	*2,000,156–2,000,229*
BVM-D24E1WU	2,000,296–2,000,360
BVM-D32E1WE	*2,000,024–2,000,033*
BVM-D32E1WU	2,000,073–2,000,192

Italicized information in green applies to customers outside the United States.

DESCRIPTION

When decreasing the BRIGHTNESS control in a dark scene, if faint white vertical lines are visible in the blanking portion (left side), perform the following modification procedure.

NOTE:

- Applicable units are those with a BK board (A-1136-025-B or A-1136-108-B) installed.
- To prevent a possible concentrated beam spot during power-off, modify units as described in Technical Bulletin 30-2001-105.

PARTS REQUIRED

Part No.	Description	Qty.
8-719-901-83	Diode 1SS83	2
1-219-741-11	Res, Surge-Resistant, 10Ω	1
1-219-746-11	Res, Surge-Resistant, 1 kΩ	1

Also Required:

- 35 mm jumper (UL1007 AWG22)
- 75 mm jumper (UL1007 AWG22)
- RTV

ORDERING INFORMATION

To order upgrades or for regional service center and parts ordering information, refer to the following document, which lists all contact telephone numbers:

Technical Bulletin *001999000*

MODIFICATION PROCEDURE

BK2 Board (Piggyback Board on BK Board)

Side A

1. Replace D12 and D13 with new 1SS83 diodes. (See Figure 1.)
   NOTE: Observe correct polarity.
2. Replace R14 (3.3 kΩ) with a new 10Ω resistor.

DPMO01-006R

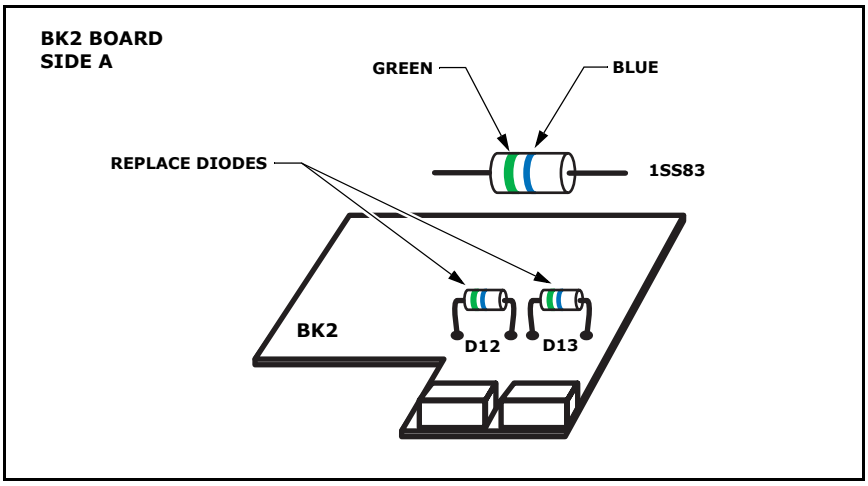

Figure 1

C Board (Side B)
(See Figure 2.)

1. Remove CN9.
2. Replace R9 (1 MΩ) with a 1 kΩ resistor.
3. Cut the trace of R9 (GND) as shown in Figure 2.
4. Cut the trace of C4 leading towards CN3 as shown in Figure 2.
5. Solder a 75 mm jumper between CN7 pin 2 and R9.
6. Solder a 35 mm jumper between C4 and R9.
7. Affix jumpers to the board with RTV.

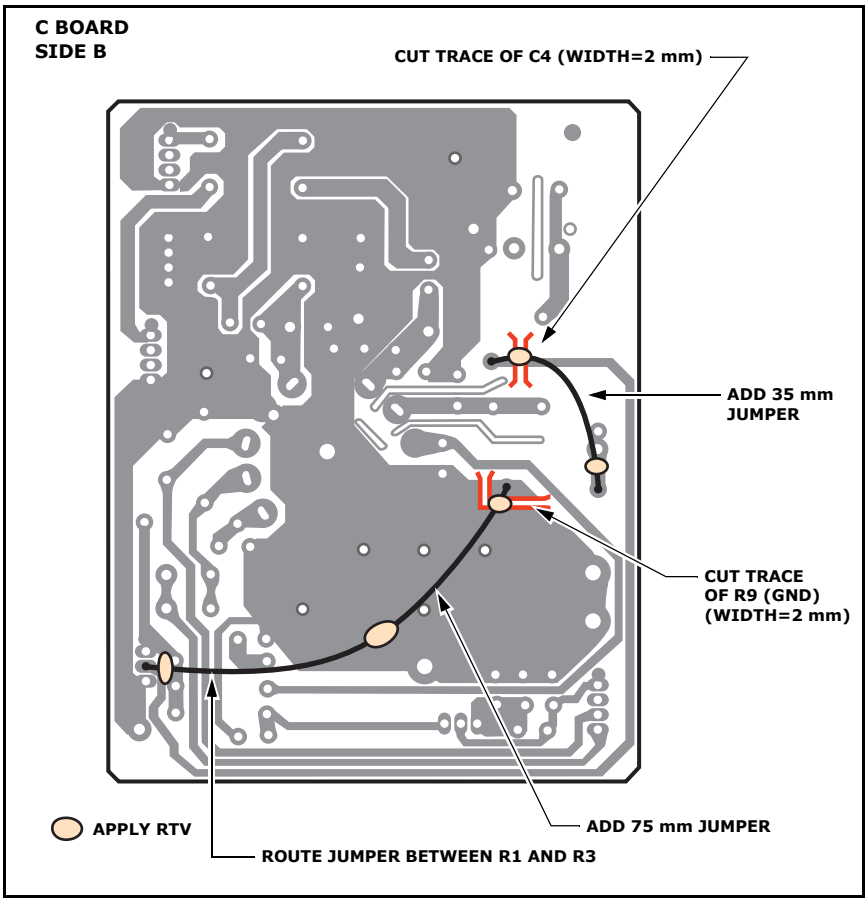

Figure 2

CONFIRMATION

1. Input color bars and confirm that the picture is normal (i.e., no noise, no abnormal color).
2. Set the input setting to the built-in test signal 091.
3. Reduce BRIGHTNESS control and confirm that faint white vertical lines are not visible on the left side in the blanking portion.
4. Set the input setting and BRIGHTNESS control back to their original settings.