



Display

Video Products Technical Bulletin 30-2003-094

DATE: **March 24, 2003**SUBJECT: **VISIBLE RETRACE LINES**

MODEL: ***BVM-D24E1WA***
BVM-D24E1WE
BVM-D24E1WU
BVM-D32E1WA
BVM-D32E1WE
BVM-D32E1WU

SERIAL NO:

BVM-D24E1WA 2,000,066–2,000,092
BVM-D24E1WE 2,000,230–2,000,359
 BVM-D24E1WU 2,000,361–2,000,506
BVM-D32E1WA 2,000,002–2,000,003
BVM-D32E1WE 2,000,034–2,000,049
 BVM-D32E1WU 2,000,193–2,000,239

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

DESCRIPTION

Retrace lines may be visible and picture brightness may increase. This symptom affects only units on which the D14 diode is soldered parallel to R14 on the BK2 board. (See Technical Bulletin 30-2001-107, dated June 18, 2001.)

The arc pulse conducted through D14 may damage D14, Q11, and D11, disabling the G2 blanking pulse generator and resulting in retrace lines.

To correct the symptom, perform the following modification procedure.

PARTS REQUIRED

Part No.	Description	Qty.
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. Remove D14, which is soldered parallel to R14.
2. Replace R14 (3.3 kΩ) with a new 10Ω resistor.

C Board (Side B)**(See Figure 1.)**

1. Remove CN9.
2. Replace R9 (1 MΩ) with a new 1 kΩ resistor.

DPM002-029

3. Cut the trace of R9 (GND) as shown in Figure 1.
4. Cut the trace of C4 leading towards CN3 as shown in Figure 1.
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.

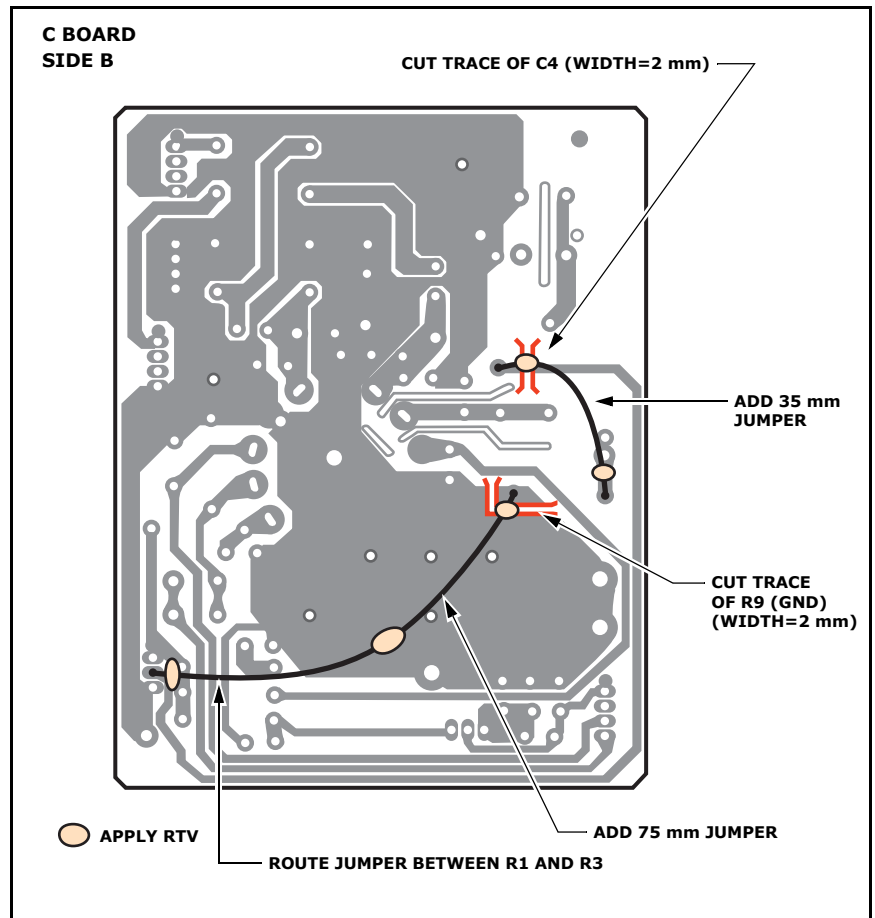


Figure 1

CONFIRMATION

Input a color bars signal and confirm that:

- Noise does not occur.
- Picture color is normal.