



Display

Video Products Technical Bulletin 30-2004-058

DATE: March 22, 2004

SUBJECT: FLASHING CRT

MODEL: *BVM-14M4DE*
BVM-14M4DE/R
BVM-14M4E/R
BVM-20M4DE/R
BVM-20M4E/R
OEV143
OEV143
OEV203
OEV203
PHM-14M8U
PHM-20M8U
PVM-14M2A
PVM-14M2E
PVM-14M2MDA
PVM-14M2MDE
PVM-14M2MDU
PVM-14M2U
PVM-14M4A
PVM-14M4B
PVM-14M4E
PVM-14M4U
PVM-20M2E
PVM-20M2MDA
PVM-20M2MDE
PVM-20M2MDU
PVM-20M2U
PVM-20M4A
PVM-20M4E
PVM-20M4U
PVM-20M7MDE

DESCRIPTION

When the monitor is used for a long period of time, the CRT may flash. A difference in potential between the heater and the cathode causes the automatic white balance circuit to malfunction, resulting in a flashing CRT.

The following modification procedure changes heater potential from ground level to cathode, thus decreasing the difference in potential between the heater and the cathode. As a result, current entering the heater to the cathode is reduced and does not interfere with white balance.

PARTS REQUIRED

Part No.	Description	Qty.
See Table 1.	Res, Surge Resistant (68 kΩ or 100 kΩ)	1

Also Required: 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

SERIAL NO:

BVM-14M4DE Up to 2,010,431
BVM-14M4DE/R Up to 2,110,512
BVM-14M4E/R Up to 2,110,040
BVM-20M4DE/R Up to 2,110,060

(Part 1 of 2)

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

DPMO02-021

SERIAL NO: (Continued)

BVM-20M4E/R Up to 2,110,236
 OEV143 Up to A,900,600
OEV143 Up to 1,909,100
 Up to A,908,200
 OEV203 Up to A,901,100
OEV203 Up to 1,909,150
 Up to A,908,200
 PHM-14M8U Up to 2,000,085
 PHM-20M8U Up to 2,000,105
PVM-14M2A Up to 2,010,040
PVM-14M2E Up to 2,013,950
PVM-14M2MDA Up to 2,000,110
PVM-14M2MDE Up to 2,002,050
 PVM-14M2MDU Up to 2,002,750
 PVM-14M2U Up to 2,013,250
PVM-14M4A Up to 2,010,110
PVM-14M4B Up to 2,000,100
PVM-14M4E Up to 2,012,050
 PVM-14M4U Up to 2,012,550
PVM-20M2E Up to 2,011,000
PVM-20M2MDA Up to 2,000,320
PVM-20M2MDE Up to 2,003,050
 PVM-20M2MDU Up to 2,004,150
 PVM-20M2U Up to 2,010,900
 PVM-20M4A Up to 2,010,100
 PVM-20M4E Up to 2,011,176
 PVM-20M4U Up to 2,011,600
 PVM-20M7MDE Up to 2,001,215

(Part 2 of 2)

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

MODIFICATION PROCEDURE

C Board (Side B)

1. For the PVM-14M4 and BVM-14M4 series only, replace L705 (56 μ H) with a 68 μ H choke coil (1-406-664-11).

NOTE: See Technical Bulletin 20-2003-212.

2. Solder the resistor in Table 1 to the board.

Table 1

Model	Resistor	Part No.	See Figure
PHM Series	100 k Ω 1/2W	1-219-752-11	1
PVM-20M7MDE			
PVM-14M2 Series	68 k Ω 1/2W	1-240-936-11	2
PVM-14M4 Series			
PVM-20M2 Series			
PVM-20M4 Series			

3. Affix the resistor to the board with RTV.

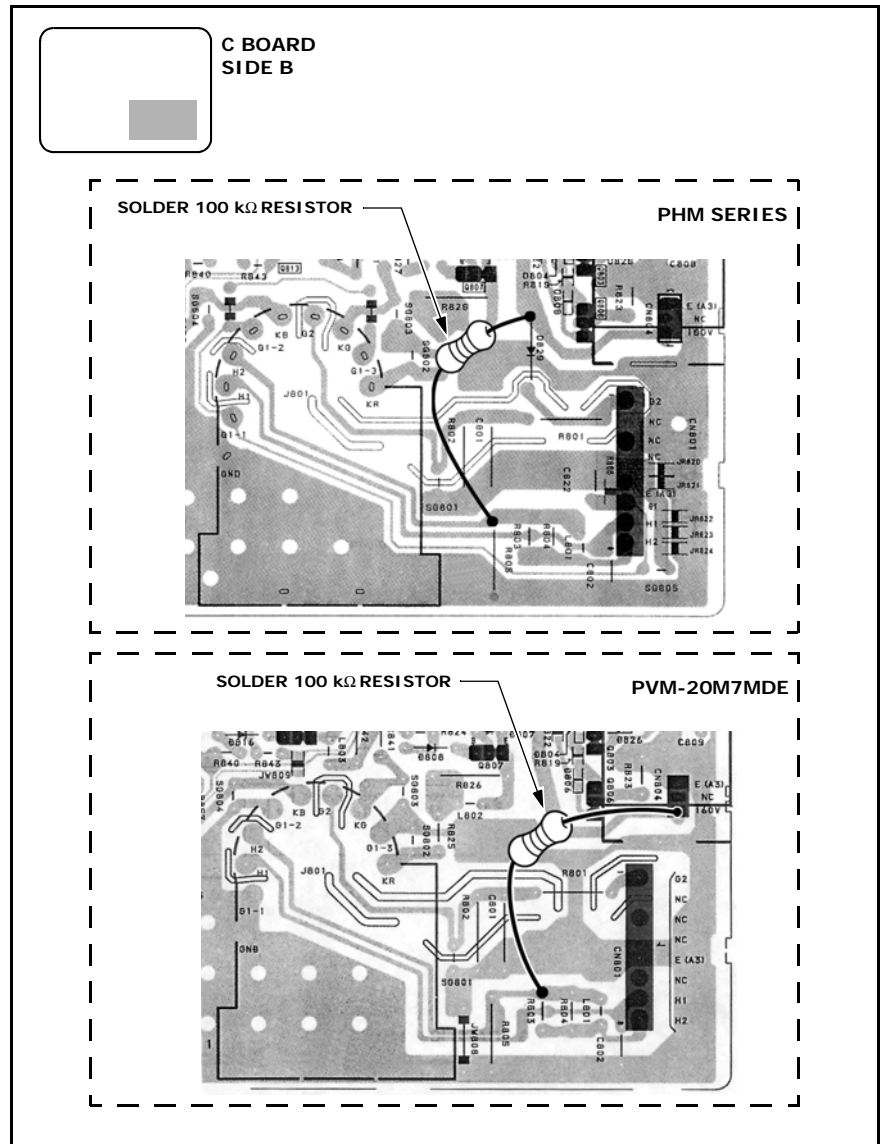


Figure 1

C BOARD
SIDE B

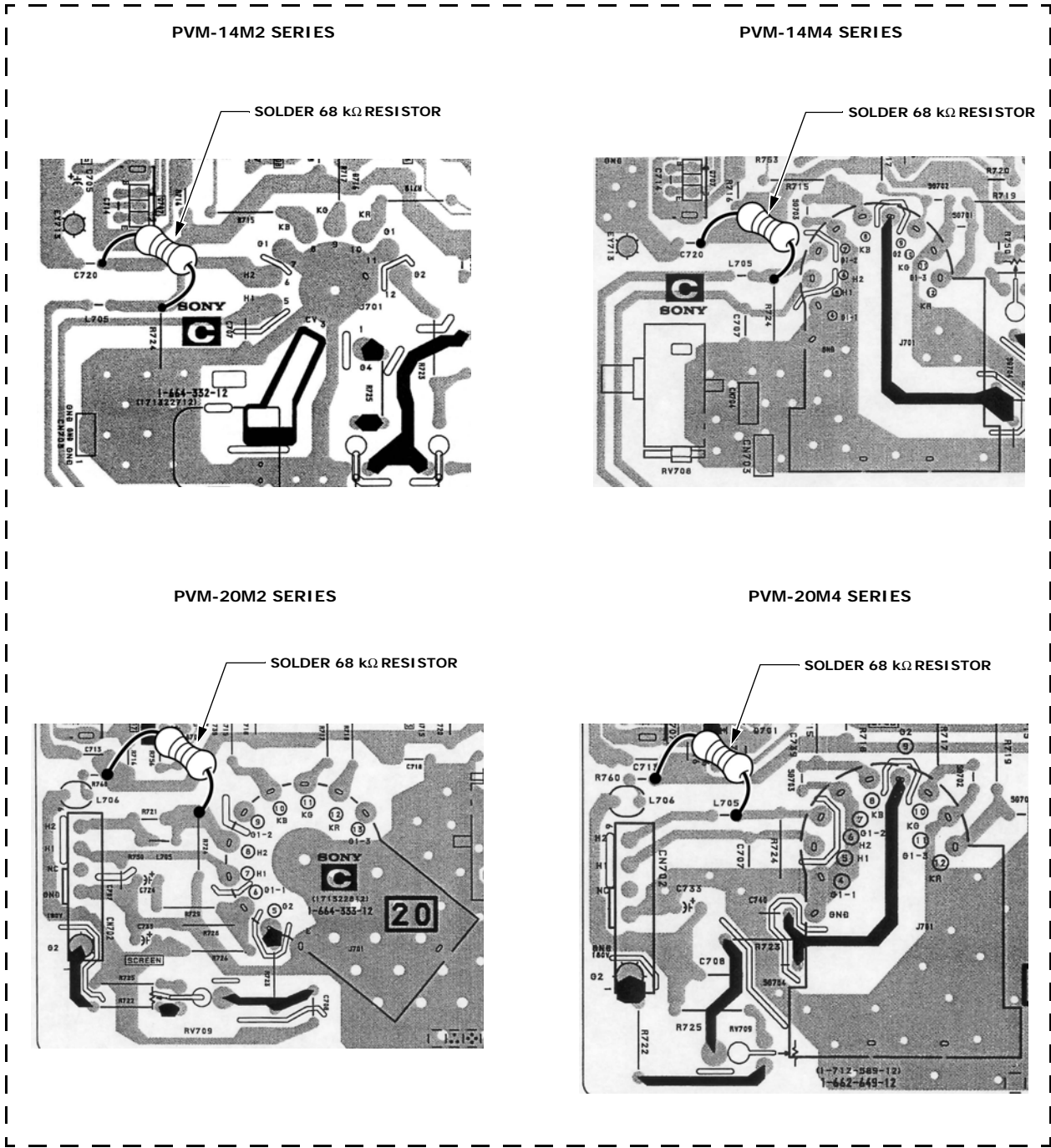


Figure 2