



**Display**

Date: **April 9, 2001**

Subject: **PREVENTING PICTURE DISTORTION**



Model: ***BVM-1454D***, ***OEV142***, ***OEV142***, ***OEV202***  
***OEV202***, ***PVM-1350***, ***PVM-1351Q***  
***PVM-1353CS***, ***PVM-1353MD***, ***PVM-1354Q***  
***PVM-1450QM***, ***PVM-1453MD***  
***PVM-1454QM***, ***PVM-1953CS***, ***PVM-1953MD***  
***PVM-1953ST***, ***PVM-1954Q***, ***PVM-2053MD***  
***PVM-2054QM***

*Italicized information in green applies to Europe, Middle East and Africa.*

Serial No: **ALL**

**DESCRIPTION**

The capacitance of electrolytic capacitors C586, C572, and C584 may decrease due to heat stress over a period of time, resulting in picture distortion.

To prevent such an occurrence, perform the following modification procedure.

**NOTE:** The new heat sink decreases the temperature of listed capacitors by approximately 10°C, thus extending the life span of those parts.

**PARTS REQUIRED—14" MONITORS**



Part No.	Description	Qty.
4-030-359-81	Heat Sink [h=60 mm] (Q503)	1
1-107-491-11	Cap, Elect, 1000 $\mu$ F, 25V, 105 °C (C586)	1
1-124-940-51	Cap, Elect, 1 $\mu$ F, 160V, high-ripple, 105 °C (C584)	1
1-104-965-11	Cap, Elect, 10 $\mu$ F, 160V, 105 °C (C572)	1
1-406-977-21	Coil, Choke, 100 $\mu$ H (L512)	1
1-216-085-00	Res, Chip, 33 k $\Omega$ (R1508)	1
1-216-069-11	Res, Chip, 6.8 k $\Omega$ (R1501)	1
1-216-073-00	Res, Chip, 10 k $\Omega$ (R2502)	1



**PARTS REQUIRED—20" MONITORS**

Part No.	Description	Qty.
4-030-359-81	Heat Sink [h=60 mm] (Q503)	1
1-107-491-11	Cap, Electrolytic, 1000 $\mu$ F, 25V, 105 °C (C586)	1
1-104-709-11	Cap, Electrolytic, 4.7 $\mu$ F, 160V, 105 °C (C572)	1
1-124-940-51	Cap, Electrolytic, 1 $\mu$ F, 160V high-ripple 105 °C (C584)	1

**MODIFICATION PROCEDURE—14" MONITORS**



**A Board (Side A)**

1. Replace Q503's heat sink (h=60 mm).
2. Replace C586 (85 °C) with new 105 °C capacitor.
3. Replace C572 (4.7  $\mu$ F) with new 10  $\mu$ F capacitor.
4. Replace C584 (2.2  $\mu$ F) with new 1  $\mu$ F capacitor.
5. Replace L512 (47  $\mu$ H) with new 100  $\mu$ H choke coil.
6. Replace R1508 (39 k $\Omega$ ) with new 33 k $\Omega$  resistor.
7. Replace R1501 (8.2 k $\Omega$ ) with new 6.8 k $\Omega$  resistor.
8. Replace R2502 (4.7 k $\Omega$ ) with new 10 k $\Omega$  resistor.

**ADJUSTMENT**

9. Referring to the service manual, perform the deflection adjustment.



**MODIFICATION PROCEDURE—20" MONITORS**

**A Board (Side A)**

1. Replace Q503's heat sink (h=60 mm).
2. Replace C586 (85°C) with new 105 °C capacitor.
3. Replace capacitor C572 with new one (both 4.7  $\mu$ F, 105°C).
4. Replace C584 (2.2  $\mu$ F) with new 1  $\mu$ F capacitor.

**ADJUSTMENT**

5. Referring to the service manual, perform the deflection adjustment.

**ORDERING INFORMATION**

**NOTE:** 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*

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**Canadian customers:** Please order parts from your usual supplier.