



Display

## Video Products Technical Bulletin 30-2005-052

DATE: July 18, 2005

SUBJECT: WHITE BALANCE PROBLEMS AT POWER-ON

MODEL: ***PVM-14L2***  
**PVM-14L2**  
***PVM-14L2/7C***  
**PVM-14L2MD**

SERIAL NO:

<i>PVM-14L2</i>	<i>2,500,091–2,500,215</i>
	<i>2,600,001–2,600,130</i>
PVM-14L2	2,004,501–2,011,199
	2,100,001–2,111,191
<i>PVM-14L2/7C</i>	<i>2,800,001–2,800,260</i>
	<i>2,900,001–2,901,227</i>
PVM-14L2MD	2,000,001–2,003,350

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

### DESCRIPTION

When the unit is powered ON, the screen may turn red, blue, or green, depending on the properties of the CRT.

This symptom occurs if the cathode pedestal voltage is set too high (175V) during the G2 adjustment. As a result, the automatic cut-off circuit does not operate properly due to voltage regulation.

### ADJUSTMENT PROCEDURE

1. Confirm pedestal voltage during the G2 adjustment as follows:
  - a. Input an all-black signal (480-60i) to COMPONENT Y IN.
  - b. Select the cathode with the highest pedestal level.
  - c. Connect the oscilloscope, and check that the pedestal level is approximately 175V  $\pm$ 2V.
  - d. If the pedestal level is approximately 160V, do not proceed further with the pedestal adjustment; troubleshoot the monitor to find the cause of the problem.
2. Confirm the Delta Ekco Margin (the differences between CRT cathode cut off voltages) as follows:
  - a. Adjust the pedestal level of RV709 on the C board to 165V  $\pm$ 2V, and confirm that the picture is displayed properly.
  - b. If the picture is not displayed properly, do not proceed further with the pedestal adjustment; troubleshoot the monitor to find the cause of the problem.
3. Adjust G2 as follows:
  - a. Adjust the pedestal level of RV709 to 170V  $\pm$ 2V.
  - b. Confirm that a white balance error does not occur with an all-black or all-white signal.
  - c. Turn power OFF and ON several times, confirming that a white balance error does not occur.

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