



Display

Date: **March 12, 2001**

Model: **PVM-5041Q, PVM-6041QM**

Subject: **DISPLAY DISAPPEARS DUE TO PROTECTION CIRCUIT FUNCTION**

Serial No: **2,500,001–2,509,920 (PVM-5041Q)**
2,500,001–2,510,695 (PVM-6041QM)

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

DESCRIPTION

A few minutes after powering the unit on, the display may disappear due to the protection circuit function. To correct this condition, perform the following modification procedure.

PARTS REQUIRED

Part No.	Description	Qty.
1-228-997-00	Res, Metal, Glaze, 100kΩ	1
3-738-015-01	Volume Cover	1

NOTE: Resin epoxy is also required for this procedure.

MODIFICATION PROCEDURE

On the D board, replace RV833 (side B, zone B-12) and perform the following adjustment. (See Figure 1.)

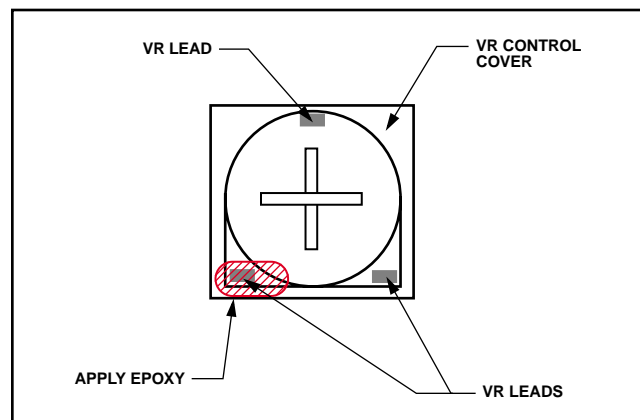


Figure 1

ADJUSTMENT

1. Connect a digital multi-meter to CN503 pin 6 or to TP85.
2. Connect an ammeter from CN503 pin 8 on the D board to CN801 pin 8 on the P board, as follows:

- a. Locate the cable connecting CN801 on the P board to CN503 on the D board and disconnect the connector from CN801.
- b. Remove the wire to pin 8 from the connector.
- c. Re-connect the cable to CN801 on the P board.
- d. Connect an ammeter between CN801 pin 8 on the P board and CN503 on the D board.

3. Input a 100% white signal.
4. Set CONTRAST and BRIGHT controls to MAX.
5. Confirm that the meter shows 14 ± 3.0 Vdc.
6. Input a dot signal.
7. Adjust BRIGHT and CONTRAST controls so that the meter shows $I_{ABL} = 130 \pm 30 \mu A$.
8. Apply voltage from an external DC source to TP85 and adjust RV833 so that the hold-down circuit operates at 16.4 ± 0.1 Vdc.

NOTE: Do not use the 16.8 ± 0.1 Vdc measurement indicated in the service manual (section 4, page 18).

9. Apply voltage from an external DC source to TP85 and confirm that the hold-down circuit does not operate at 15.7 ± 0.1 Vdc.
10. Input a 100% white signal.
11. Adjust BRIGHT and CONTRAST controls so that the meter shows $I_{ABL} = 300 \pm 30 \mu A$.
12. Apply voltage from an external DC source to TP85 and confirm that the hold-down circuit operates at 16.1 ± 0.1 Vdc.
13. Apply voltage from an external DC source to TP85 and confirm that the hold-down circuit does not operate at 15.5 ± 0.1 Vdc.
14. After the adjustment, apply resin epoxy to RV833 only on the side with two leads. (See Figure 1.)
15. Apply only a small amount of epoxy. Take care that the epoxy does not reach the VR leads on the other side of the board.



16. After performing all adjustments, remove the ammeter and re-connect the wire to CN503 pin 8.

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

Canadian Customers: Order parts from your usual supplier.