

Display

Date: **November 13, 1995**

Subject: **PIN CUSHION EFFECT**

Model: **PVM-1340/1341/1343MD/1344Q**

Serial No: **2,015,201–2,015,320 (PVM-1340)**
2,015,851–2,016,020 (PVM-1341)
2,023,050–2,026,449 (PVM-1343MD)
2,013,251–2,014,020 (PVM-1344Q)

DESCRIPTION

A modification was added in the form of a diode (D525) which is mounted in series with resistor R534 on the A board. This diode is fixed to the circuit board with a hot melt compound. As this area of the board heats, expansion of the hot melt may tend to harden the soldered contacts of R534. Eventually, after a number of heat cycles, these connections will break. This condition is manifested as an excessive pin cushion effect when the monitor is in the underscan mode.

To prevent this, perform the following modification procedure.

PARTS REQUIRED

Part No.	Description	Qty.
8-719-811-48	Diode 1SS148 (D525)	1
1-246-485-11	Res, 3.3kΩ, 1/4W (R534)	1

MODIFICATION PROCEDURE

(See Figure 1.)

1. Remove R534 and D525, and any excess solder.
2. Combine resistor and diode by twisting one lead of resistor with one lead of diode (cathode) as shown.
3. Solder leads together.
4. Solder assembled component to board, facing Q507. (Insert component as far as possible.)
5. Apply RTV to fix component to board.

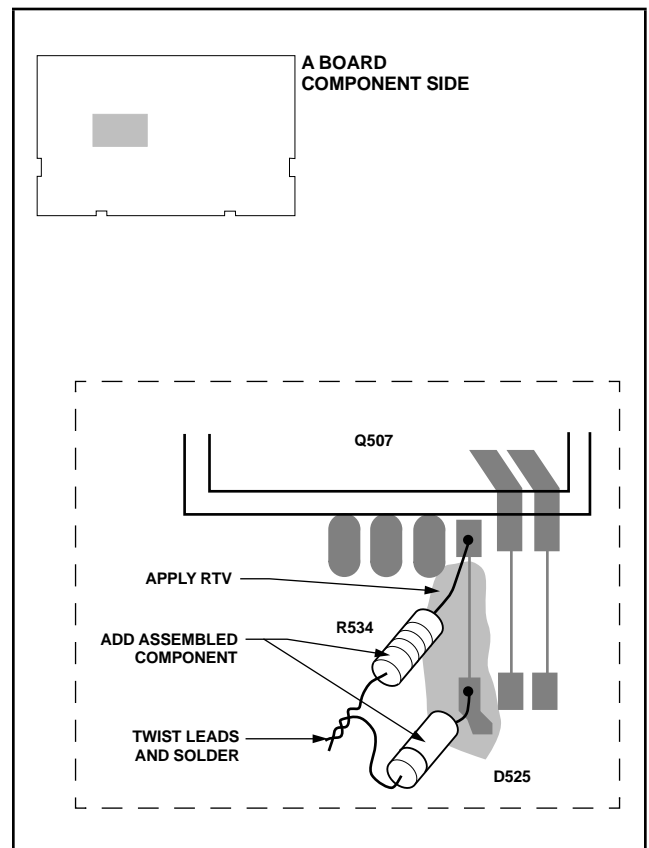


Figure 1