



Display

Broadcast Products Technical Bulletin 20-2006-212

DATE: **November 6, 2006**SUBJECT: **NO PICTURE**

MODEL: ***BVM-D14H1A***
BVM-D14H1E
BVM-D14H1U
BVM-D14H5A
BVM-D14H5E
BVM-D14H5U

SERIAL NO:

BVM-D14H1A 2,000,001–2,000,155
BVM-D14H1E 2,000,001–2,000,305
 BVM-D14H1U 2,000,001–2,000,343
BVM-D14H5A 2,000,001–2,000,253
BVM-D14H5E 2,000,001–2,000,290
 BVM-D14H5U 2,000,001–2,001,271

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

DESCRIPTION

The H-drive transistor (H-OUT) on the G board may become damaged, resulting in no picture.

This condition is more likely to occur when:

- A 1080/48i HD-SDI signal from BKM-142HD is input to the monitor, and/or
- The signal format is changed from 480/60i to 480/60P in some early-production monitors.

PARTS REQUIRED

Part No.	Description	Qty.
8-729-049-47	Transistor, 2SC5450 (Q2508)	1
A-1053-272-A	G2 Board	1
1-107-906-11	Cap, 10 μ F/50V (Q2518)	1
1-107-683-11	Cap, 2.2 μ F/250V (C2529)	1
1-126-960-11	Cap, 1 μ F/50V (C1532)	1*
1-216-097-11	Res, Chip, 100 k Ω (R1574)	1*

* This part may not be required. Check step 6 in the modification procedure.

Also Required:

- Tinned copper wire
- Jumpers
- RTV

ORDERING INFORMATION

To order parts online, go to: <http://www.sony.com/servicesplus>.
 For service and parts ordering information, refer to the following document, which lists all contact telephone numbers:

Technical Bulletin 00-1999-000

DPMO04-009R

MODIFICATION PROCEDURE

G Board

1. Replace Q2508 (H-OUT transistor, side A, zone J-7) with a new transistor.
2. Add the G2 piggyback board to the G board (side B) as follows:
 - a. Apply RTV to the rear of the G2 board.
NOTE: Apply an amount of RTV that will not ooze out from under the board when pressed.

(See Figure 1.)

- b. Position the G2 board on the G board so that the pairs of soldering points in step c are near to each other.
 - c. Solder tinned copper wire between:

G Board	G2 Board
(A) C690 (+)	DC 5V line
(B) C513 (-)	GND
(C) IC608 (tip)	GND

- d. Solder jumpers between:

G Board	G2 Board
(D) C1532 (+)	DTC IN (white)
(E) CN501 pin 2	V SYNC (orange)
(F) R543 (D503 side)	DTC OUT (yellow)

- e. Affix the jumpers to the G board with RTV.
3. Solder a 10 μ F capacitor between G-S of Q2518 (side B, zone G-5) with the negative (-) side of the capacitor connected to the source (S) of Q2518. (See Figure 1.)
4. Affix the capacitor to the board with RTV.
5. Replace C2529 (side A, zone G-5) with a 2.2 μ F capacitor.
NOTE: Refer to Technical Bulletin 20-2005-081R, which describes this capacitor.
6. If C1532 (side A, zone C-2) is 47 μ F/50V and R1574 (side B, zone C-1) is 10 k Ω :
 - a. Replace C1532 with a new 1 μ F capacitor, and
 - b. Replace R1574 with a new 100 k Ω resistor.If C1532 is 2.2 μ F/50V and R1574 is 100 k Ω , no further steps are necessary. The capacitor and resistor do not need to be replaced.

CONFIRMATION

1. Input a signal (any format) to the monitor.
2. Press MENU to display the menu.
3. Remove the input signal from the unit by disconnecting the BNC cable, confirming that the menu disappears for approximately one second and then reappears.

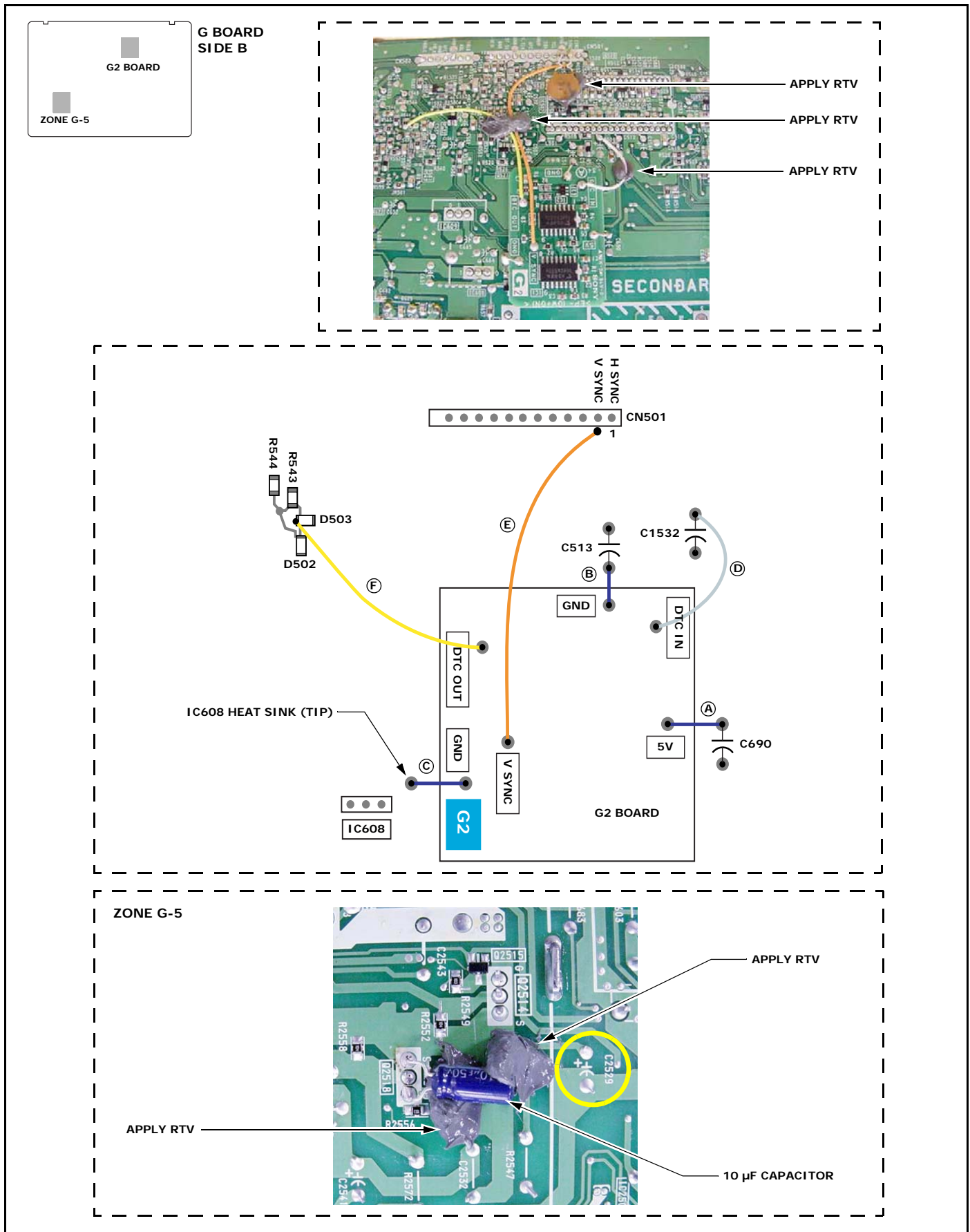


Figure 1