



**Display**

Date: **July 23, 2001**

Subject: **NO OUTPUT OF BUILT-IN SIGNALS**

Model: **BVM-14E1U, BVM-14E5U, BVM-14F1U  
BVM-14F5U, BVM-14G1A, BVM-14G1E  
BVM-14G1U, BVM-14G5A, BVM-14G5E  
BVM-14G5U, BVM-20E1U, BVM-20F1U  
BVM-20G1A, BVM-20G1E, BVM-20G1U**

Serial No: **SEE TEXT**

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

**DESCRIPTION**

When executing automatic white balance, an error may appear as the 100% white signal is not output. Also, the built-in signals (CH91 to CH99) are not output.

**SERIAL NUMBERS**

BVM-14E1U	2,100,001–2,100,012
BVM-14E5U	2,100,001–2,100,223
BVM-14F1U	2,100,001–2,100,125
BVM-14F5U	2,100,001–2,100,837
<i>BVM-14G1A</i>	<i>2,000,001–2,010,010</i>
<i>BVM-14G1E</i>	<i>2,000,001–2,000,897</i>
BVM-14G1U	2,000,001–2,000,292
<i>BVM-14G5A</i>	<i>2,000,001–2,010,010</i>
<i>BVM-14G5E</i>	<i>2,000,001–2,000,895</i>
BVM-14G5U	2,000,001–2,000,695
BVM-20E1U	2,100,001–2,100,405
BVM-20F1U	2,000,001–2,110,449
<i>BVM-20G1A</i>	<i>2,000,001–2,010,005</i>
<i>BVM-20G1E</i>	<i>2,000,001–2,010,020</i>
BVM-20G1U	2,000,001–2,010,049

**PARTS REQUIRED**

Part No.	Description	Qty.
8-759-460-38	IC MC74HCU04AF (IC121/BC)	1

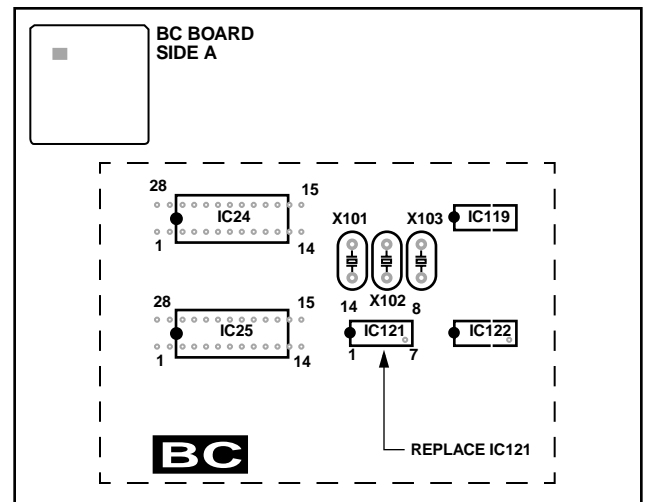
**NOTE:** Replacing surface-mounted integrated circuits requires the use of special equipment and techniques. Sony regional service centers are available to perform these tasks. To contact your regional service center, refer to the following document, which lists all contact telephone numbers:

**Technical Bulletin 001999000**

**MODIFICATION PROCEDURE**

**BC Board, Side A  
(See Figure 1.)**

1. Replace IC121 (TC74VHCU04) with the new IC MC74HCU04AF.



**Figure 1**

**CONFIRMATION**

2. Select 525/60 CH100 PLUGE signal in MAINTENANCE/BC BOARD /TEST SIGNAL.
3. Confirm that 525/60 PLUGE signal appears.
4. Advance to page 3/3, and select 625/50 CH115 PLUGE signal.
5. Confirm that 625/50 PLUGE signal appears.
6. Implement following steps on BVM-E and F series only:
  - a. Feed a signal containing VITC and confirm that the VITC can be displayed.
  - b. If a signal containing VITC is not available, extend the BC board with the extension board and confirm the following.
  - c. Connect an oscilloscope or a frequency counter to pin 8 of IC121 on the BC board, and confirm that a clock of 14.5 MHz is output.