



Display

Date: **May 1, 2000**

Subject: **CORRECTING UNSTABLE OPERATION**

Model: **BVM-D20F1A, BVM-D20F1E, BVM-D20F1U  
 BVM-D24E1WA, BVM-D24E1WE  
 BVM-D24E1WU**

Serial No: **ALL**

**DESCRIPTION**

If pins of IC1 on the BC board are pushed in and consequently do not make contact with the socket, monitor control may not be possible from the control unit.

To correct this condition, perform the following modification procedure.

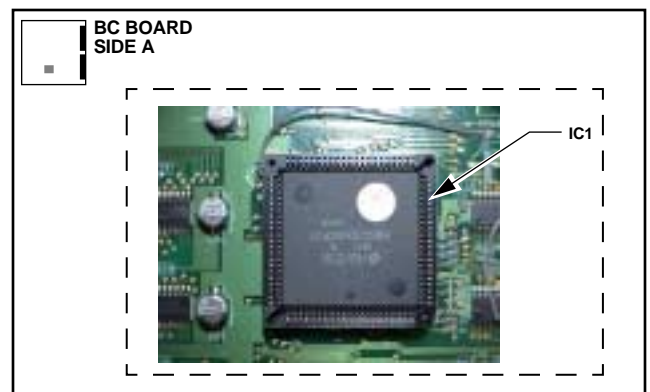
**MODIFICATION PROCEDURE**

1. Determine if poor contact between pins of IC1 and socket exists as follows:
  - a. Extend BC board with extension (Z) board, and *carefully* heat up IC1, shown in Figure 1, with heat gun for 30 seconds.
  - b. Push menu button to display menu.  
 If control panel does not operate, or menu does not appear, then some pins of IC1 may not have proper contact with socket. In such a case proceed to step 2.
2. Using an IC extractor, remove IC1 from socket on BC board.
3. Viewing IC1 from the side, visually inspect IC1 as follows:
  - a. Verify that pins are *not* pushed in, while holding IC at an angle with top side facing down. (See Figure 2.)
  - b. Verify that pins bear a vertical scratch mark as shown in Figure 3, indicating that firm contact exists between pins and socket. If pins are not scratched, contact between pins and socket is improper.
4. Push out with fingernails pins that are retracted or not scratched, to straighten all pins.
5. Reinstall IC1 in socket on BC board.

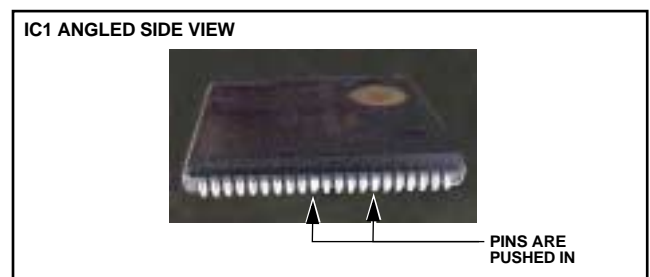
**CAUTION:** Programmable devices are easily damaged by static electricity. Make sure the equipment is powered OFF and you are grounded to the unit with a cable that contains a 1MΩ resistor between you and GND when installing programmable devices. Work with caution when grounded to the unit.

**CONFIRMATION**

1. Remove IC1 from socket, and visually verify that there are scratches on pins that were pushed out.
2. Extend BC board with extension (Z) board, and *carefully* heat up IC1 with heat gun for 30 seconds.
3. Push menu button to display menu.
4. Verify that control panel functions normally.



**Figure 1**



**Figure 2**



**Figure 3**