

S E R V I C E N O T E

SUPERSEDES: None

**HP 70004A Display**

**Serial Numbers:** 0000A00000 / 9999A99999

**Troubleshooting guide for disk/memory card addressing**

**Purpose:**

The following troubleshooting guide is available to help MMS users determine the logical addressing of an external disk drive or memory card available for use with systems that have the HP 70900B Local Oscillator as the master module.

**Problems Accessing a Disk Drive**

HP-MSIB Error 2037 No instr resp.

If the disk drive does not respond after the address and select code are set, check the error report. If the error "2053 storage device" or "2037 No instr resp." is present, it is possible that communication directly from the 70900 will not be possible. In this case, press [DISPLAY] [Mass Storage] and then [msi]. Press the [HP-IB Disk] key, and set the address and unit number using the keys on the display. The display should access the drive and put a message with the disk label on screen. Now press [MENU] then [Misc] [More 1of3] and then [catalog & MSI]. Press [HP-MSIB card]. This will access the mass storage device available from the display, which has now been re-directed to the disk drive. The disk directory should now appear, and the files can be loaded as described above.

**Memory Card Troubleshooting Guide**

Quick Test:

- 1) Press: RECALL (hard key), recall from HP-MSIB DSK&CARD

*Continued*

DATE: 18 March 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
<b>INFORMATION ONLY</b>		
AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
SR	5300	

In most default cases, this should give you a catalog of the memory card contents with no error "E" light in the upper left corner of the screen.

- 2) Determine the HP-MSIB address of the 70004A Display which has the memory card socket you wish to use.

Press: DISPLAY (hard key), Address Map.

Turn the RPG knob until you see the "70004A Display" on the graphical address grid. The 70004A Display must be in ROW 0. Then the COLUMN number is the HP-MSIB address.

- 3) Verify the 70004A Display has the memory card port selected and is reading an inserted card.

Press: DISPLAY (hard key), Mass Storage, MSI, MEMORY CARD

Each time you press MEMORY CARD, the yellow LED next to the memory card port should light momentarily.

"Unable to read device" will be reported if the memory card is either not inserted, not formatted correctly or the 70900 LO does not have the correct address selected for the card reader.

- 4) Verify the 70900 LO/Control Module has the 70004A Display selected.

Press: MENU (hard key), STATE, RECALL, recall from, HP-MSIB DSK&CRDHP-MSIB DSK&CRD

Enter: The address of the 70004A Display found in step (2).

Press: ENTER

A catalog of the card will be displayed (the card may be empty). If an error "E" light is on in the upper left corner of the screen:

Press: DISPLAY (hard key), REPORT ERRORS

Storage device error = no memory card plugged in or  
= incorrect HP-MSIB address

Illegal volume = memory card not formatted correctly

- 5) If the card needs formatting:

Make sure the safety switch is in the off position.

Verify: steps 2, 3 and 4.

Press: SAVE (hard key), save to, CATALOG 1 of 2, FORMAT, CONFIRM FORMAT.

If the error "E" light comes on then,

Press DISPLAY, REPORT ERRORS:

Write protect = The card is ROM or the write protect switch (safety) is on.

Storage device error = bad memory card  
= incorrect HP-MSIB address