

4996A-03

S E R V I C E N O T E

SUPERSEDES: None

**HP 4995A LANPROBE II for PV DOS**

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

**Duplicate Service Notes:** 4995A-03

**4996A Main System Board MAC address download procedure required on all replacement or exchange assemblies**

**To Be Performed By:** HP-qualified personnel

**Parts Required**

Part Number	Description	Qty
92204K	Micropatch M-F	1

**Situation**

All replacement boards need to have the MAC address downloaded into the NVRAM to match the label on the rear panel of the 4996A. The factory will load the MAC address with all 0's or all F's.

*Continued*

DATE: October 1994

**ADMINISTRATIVE INFORMATION**

SERVICE NOTE CLASSIFICATION:		
<b>INFORMATION ONLY</b>		
AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
RGM	3800	

**Solution/Action****LanProbe II Address Download Procedure**

Adapter pin outs using standard modem cable:

pin from computer or terminal	pin to LanProbe 2nd serial port
2	----->16
3	----->14
4	----->13
5	----->19

I have supplied the pin outs for the special adapter you need to load the correct hardware address in the customers LanProbe II units. The connector is used with the standard 24542M serial cable connected to the serial port of the LP II and to a PC running procomm. The connector will go between the 24542M and the LP II serial connector like a modem eliminator would be used.

1. Once the computer is connected to the probe using the special connector, start Procomm and configure Procomm for the correct COM port and speed. 9600, 8, 1, none
2. Plug in the probe to power on, once the unit is powered on wait for the debugger to initialize you will see a prompt > once indicating the debugger is ready.
3. At the prompt type BUGON then press enter, you will see another prompt appear >>. The second prompt is the verification that the probe is in debug mode.

**NOTE**

At the first > prompt when you type BUGON the echo is off you will not see the characters on the display.

4. At the second prompt type MFG then press enter, this enables the manufacturing mode of the probe.
5. Now that the probe is in the correct mode you can type NVRAM, this will show the contents of the RAM we will modify. The probe will return 00 00 00 00 00 00 0000, the first six HEX numbers are the last six HEX numbers of the customers hardware address. You need to look at the address label on the rear of the customers probe to get the correct HEX numbers to enter. Write down the last six HEX numbers from this label.
6. At the prompt type NVRAM xx xx xx 00 00 00 0000, where the x's are the last six HEX numbers from the customers address label. NOTE the last zero's need to be entered as zero's, example if the address label says the hardware address is 00 00 0C 12 F9 22 you enter NVRAM 12 F9 22 00 00 00 0000 then press enter.

7. After you have changed the address you need to power off the probe then replace the special adapter with a modem eliminator adapter or use a null modem cable to connect the probe to the computer running procomm.
8. Once the probe is connected with the modem eliminator power on the probe again. The PC will show the power on sequence of the probe, be sure all test pass.
9. Once the POST TEST is complete and all test pass press the config button on the back of the probe, this will cause the probe to reboot into the config. menu.
10. From the config menu select 1 to go to the configuration screen, verify that the address listed in the Ethernet address field on this screen matches the address label on the back of the probe.