

S E R V I C E N O T E

SUPERSEDES: NONE

**4985B Token-Ring LanProbe**

Serial Numbers: 0000A00000 / 9999Z99999

**4985B Auto Ring Speed Detection fails!**

To Be Performed By: Agilent-Qualified Personnel & Customers

**Parts Required:**

A Terminal or a PC emulating a Terminal. One of the following RS-232 (Crossover or null modem) cables.

P/N	Description
13242G	RS-232 25-pin male to 25-pin male
13242H	RS-232 25-pin male to 25-pin female
24542G	RS-232 9-pin female to 25-pin male

**Situation:**

The 4985B does not correctly determine the speed of the ring during the insertion process when configured to auto-select ring speed. The 4985B will continuously attempt to negotiate for ring speed.

*Continued*

DATE: October 1997

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 1.0 Hours
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AUTHOR: DH	ENTITY: 0801	AGILENT RESPONSIBLE UNTIL: October 1999	
ADDITIONAL INFORMATION: This Mod may be incorporated in a future firmware revision.			

**Solution / Action:**

The 4985B must be configured to the appropriate ring speed!

1. Connect a terminal (or a PC emulating a terminal) to the LanProbe RS-232C port using a RS-232 crossover or null-modem cable.
2. Configure the terminal for 8 bits/character, 1 stop bit, no parity, Xon/Xoff handshaking, 9600 baud rate.
3. Connect the power cord to the LanProbe and to a power source (either 100-120/VAC or 220-240/VAC). LanProbe does not have a power switch, but is turned-on by connecting power.
4. Start the configuration by quickly pressing the CONFIG button on theback of the LanProbe one time only. After 10 seconds, LanProbe displays its Main Menu on the terminal.

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| Main Menu - Revision  
| 1. Modify/View configuration values ->  
| 2. TFTP download new firmware ->  
| 3. XMODEM download new firmwre ->  
| 4. Warm start and Exit  
| 5. Cold start and Exit  
|-----
```

If the Main Menu is not displayed, verify that the previous steps in this procedure have been performed correctly.

5. Press 1 to access the Modify/View configuration values menu item. The Modify/view configuration Values menu is displayed, as shown in the following figure.

Modify/View configuration Values Menu - Firmware Rev	
MAC Address	00 00 c6 XX XX XX
Memory configuration	xM bytes
1. IP address	0.0.0.0
2. Default gateway IP address	0.0.0.0
3. Subnet mask	255.0.0.0
4. Autodiscovery Echo interval (sec.)	1800
5. Date	xx 00/00/00
6. Time	00:00:00
7. Time zone	PST8PDT
8. Modify/View serial port settings	
9. Token-ring Speed (Mbps)	Auto
10. Ring Number	-1
S. Save changes and exit	
0. Cancel changes and exit	

6. Press 9 to modify or view the network speed setting. The default configuration is set to automatically sense (Auto) the network speed. You must enter values of 4 or 16 for 4Mbps or 16Mbps respectively.
7. Press S to save the configuration changes and return to LanProbes's Main menu.
8. From LanProbes Main Menu, press 4 to execute a warm start.
9. Disconnect Power from LanProbe.