S E R V I C E N O T E

SUPERSEDES: 4195A-12

4195A Network/Spectrum Analyzer

Serial Numbers:
0000J00000 / 2904J02882
0000A00000 / 2904A00535

Modification to cure th problem of "No signal for spans less than 2.4 MHz"

Duplicate Service Notes: None

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

Part No.	Qty.	Description
1901-1183	1	DIODE 30V 200MA
0360-0451	2	TERM-SGL-PINS

Situation:
When the 4195A within the listed serial number range is turned on or when it sweeps the frequency with the frequency span less than 2.4 MHz, the phase locked loop may not work properly and the test signal may disappear.

Continued

DATE: 20 September 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	☐ IMMEDIATELY ■ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS:	Labor 1.0 Hour
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ■ SERVICE CENTER	SERVICE INVENTORY:	■ RETURN ☐ SCRAP ☐ SEE TEXT
		USED PARTS:	☐ RETURN ■ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: January 1994	
AUTHOR: MT	ENTITY: 3355	ADDITIONAL INFORMATION:	

Agilent Technologies

Solution/Action:
Modify the A18 board using the following procedure:

1. Remove the top cover and the shield plate.
2. Remove the A18 board.
3. Remove one lead each of A18R24 and A18R25. See Figure 1.
4. Insert two TERM-SGL-PINS (P/N 0360-0451) from the component side into one-side-holes of A18R24 and A18R25. Solder the two pins.
5. Wrap the leads of A18R24 and A18R25 on the corresponding pins mounted in the holes for A18R24 and A18R25.
6. Wrap the leads of new DIODE (P/N 1901-1183, A18CR14) between the two pins. (Wrap the CATHODE lead of the DIODE to the pin of A18R25 and the ANODE lead to the pin of A18R24).
7. Solder the DIODE and A18R24/A18R25 mounted on the two pins.
8. Reinstall the A18 board.
9. Reinstall the shield plate and the top cover.

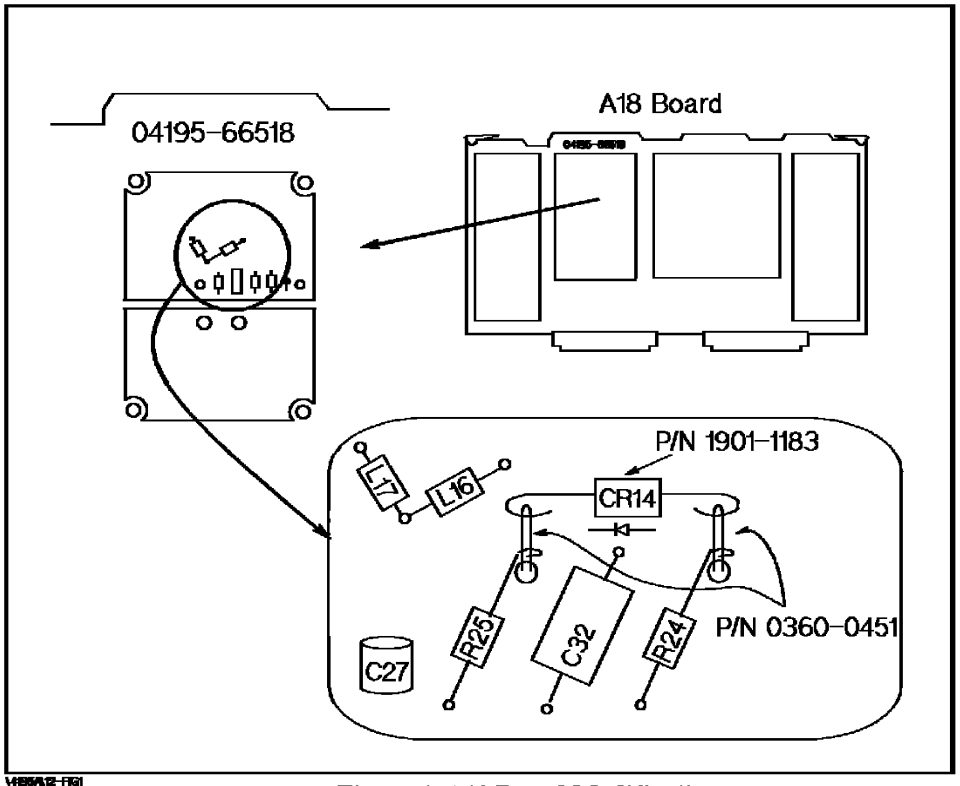

Figure 1. A18 Board Modification