

S E R V I C E N O T E

SUPERSEDES: None

**HP 8970B Option 020 (10 to 2047MHz) Noise Figure Meter.
A6 Input Assembly**

Serial Numbers: 3811U00000 / 9999Z99999

New more robust A6 Input Assembly for Option 020.

Situation:

Due to a notable increase in the number of Option 020 A6 input board failures, an investigation was carried out and it was found that the most likely cause of the damage was the testing of certain devices, such as LNB's, using a bias tee. Due to the reactive components contained within the bias tee, large transient voltages may be generated when the Device Under Test is switched on or off or when it is disconnected from the bias tee.

Continued

DATE: August 1998

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
INFORMATION ONLY		
AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
BC	E600	URL: http://hpweb.sqf.hp.com/QMD/prodsup/897x/a6_spec.htm

Solution / Action:

Transient protection circuitry, has now been added to the Option 020 A6 board, and these new boards are installed in new units, with Serial Number Prefix 3811 or greater. These new boards slightly degrade the Input SWR Performance Limits of the unit, and have implications on servicing and customer specifications. For this reason the new boards should not be fitted to units with S/N Prefix before 3811.

Unit	S/N Prefix	A6 Board No.
Standard	ANY	08970-60042
Option 020	Up to 3811	08970-60097
Option 020	3811 or greater	08970-60125