

3570A-2A  
SERVICE NOTE

P.C. None

SUPERSEDES  
3570A-2

-hp- MODEL 3570A NETWORK ANALYZER

Serial Numbers: All

NEW 03570-66555 LOG AMPLIFIER/03570-66556 OUTPUT BUFFER BOARDS  
AND ADJUSTMENT PROCEDURES

A new board kit, -hp- Part No. 03570-87900 should be ordered if a Log Amp Board (03570-66535 or 03570-69535) or an Output Buffer Board (03570-66543 or 03570-69543) needs to be replaced in 3570A's with serial no. 1251A00245 and lower. The kit consists of the new style direct replacement boards listed in Table 1. 3570A's now come equipped with the new style boards listed in the table. If any of these new boards need replacement, order only the new style direct replacement board or the new style rebuilt exchange board. See Table 1. These new style boards require a different adjustment procedure than the one given in most 3570A Manuals printed in September 1972. Consult the latest version of the 3570A Operating and Service Manual.

Table 1.

Qty/Inst	Ref Desig	Description	New Style Board Numbers		Old Style Board Numbers	
			Direct Replacement Board	Rebuilt Exchange Board	Original Board	Rebuilt Exchange Board
2 1	A7/A23 A15	Log Amp Board Output Buffer Board	03570-66555 03570-66556	03570-69555 03570-69556*	03570-66535* 03570-66543*	03570-69535* 03570-69543*

\* No longer available

The original 2 Log Amp Boards and 1 Output Buffer Board supplied with 3570A's with Serial No. 1251A00245 and lower have been obsoleted and replaced by 2 new Log Amp Boards (03570-66555) and a new Output Buffer Board (03570-66556). The change was made to improve the temperature stability of the 3570A from a typical value of 0.10 dB/ $^{\circ}$  C to a new guaranteed specification of 0.02 dB/ $^{\circ}$  C after warmup.\* Any one of the new boards will not work properly in an instrument equipped with any of the old style boards. For this reason, if any one of the old style boards fails, all three boards (2 Log Amp Boards and 1 Output Buffer Board) must be replaced by the new boards supplied in the kit. The kit is available at a reduced price through your -hp- Sales Office. Individual new style boards and their rebuilt exchange equivalents are also available to repair those instruments already equipped with the new boards. See Table 1.

**ADJUSTMENT PROCEDURES.**

The latest version of the 3570A Operating and Service Manual contains the schematics, parts list, and adjustment procedures for the individual boards. A copy of the latest manual is included with each new board kit.

\*  $\pm 0.02$  dB/ $^{\circ}$  C for 100 Hz and 3 kHz BW  
 $\pm 0.05$  dB/ $^{\circ}$  C for 10 Hz BW

LAD/kkz/WN

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HEWLETT  PACKARD