

3570A-9
S E R V I C E N O T E

P.C. 09-17442

SUPERSEDES
NONE

-hp- MODEL 3570A NETWORK ANALYZER

Serial Number 1331A01331 and Below

HP-IB/OPTO-ISOLATOR PROBLEMS

Two PC boards have been changed resulting in a greatly reduced possibility of failure when using the HP-IB.

Optical-isolators A34BU5 - U12 on 03570-66569 and A36U17 - U20 on 03570-66573 were not consistently meeting response time requirements. Since these PC boards are used for transmitting and receiving HP-IB data, the slow response times were causing bus transfer problems and would ultimately cause failure. More reliable opto-isolators were found but required complete board revisions. The new PC boards are completely interchangeable with the ones they replaced, however just replacing the old opto-isolators with the new ones is not possible.

Due to the high failure rate of the old opto-isolators (1990-0636 and 1990-0312), it is recommended that the new PC boards be installed whenever possible. This will be a non-warranty replacement, however this may save significant time and repair dollars in the long run. The new PC boards are 03570-66579 and 03570-66583, replacing 03570-66569 and 03570-66573 respectively. More information about the new PC boards will be included in the next Operating and Service Manual revision or change sheet.

Please add this information to your Operating and Service Manual or where appropriate.

CEW/kkz/WO

11/79-09

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