

S E R V I C E N O T E

SUPERSEDES: 44743F-01

44743F Service Kit

3852A Data Acquisitions System

44743-10203 (Three disc set)

Service Kit Software Bugs**Situation:**

The software that is part of the 44743F service kit for the 3852A has not been revised since its original release in early 1987. Because the software has never been revised, the bugs that have been encountered have not been corrected. Known bugs in the "HPTOOLS" file and their workarounds are listed below.

Symptom (bug 1): "ERROR 25 Device Failure" when testing 44702 Voltmeter

The problem is caused by the self-test in the HPTOOLS utility not waiting long enough for self-test to complete before deciding if failed (timeout).

Symptom (bug 2): "ERROR 17 IN 3898 Subscript out of Range"

This error occurs when the software queries each slot, finds and isolates the last two digits of the accessory, and finds the last two digits of the accessory to be > 30. When the software was released there were no accessories with a product number greater than 44729.

Continued

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ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:

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ENTITY:

0900

ADDITIONAL INFORMATION:

44743F, Service Kit for 3852A

Solution:

1. Load "HPTOOLS" (on disc 1 of the set).
2. To fix "bug 1" add the statement WAIT .5 after line 3004,
3004 OFF TIMEOUT Dev_scd(Dac)
3005 Wait .5
3. To fix "bug 2" add the following lines to "HPTOOLS" after line numbers 2788 and then 2776,
2788 END IF
2789 IF IDNUM(J) > 30 THEN
2790 IDNUM(J) = 0
2791 END IF

2776 END IF
2777 IF IDNUM(I) > 30 THEN
2778 IDNUM(I) = 0
2779 END IF

The software will now recognize the newer accessories, but will give it a description in the Mainframe Accessory menu of "Empty Slot"

3. Remove "Write protect" on the disc.
4. Execute purge "HPTOOLS"
5. Execute RE-STORE "HPTOOLS".
6. Write protect the disc again.