

S E R V I C E N O T E

SUPERSEDES: None

3563A Control Systems Analyzer

Serial Numbers: 0000A00000 / 9999Z99999

Discharged battery causes power up problems

Duplicate Service Note: 3562A-15

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

Part No.	Description
1420-0277	Lithium Battery
1400-0249	Tie-wrap

Situation:

Corrupt nonvolatile RAM data resulting from a normal discharge of the back-up battery on the A2 CPU/GPIB board may cause an instrument to display the error message "BAD AUTO SEQUENCE TABLE" during power up. In some cases the instrument may fail to complete its power up tests resulting in a blank display and a 1F(hex) error code on the A2 board fault LED's.

Continued

DATE: May 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
INFORMATION ONLY		
AUTHOR: DLC	ENTITY: A100	ADDITIONAL INFORMATION:

Solution/Action:

Use the procedure below to replace the battery (if necessary) and clear the nonvolatile RAM.

WARNING

The following procedure requires the instrument's top cover to be removed. Energy available at many points can, if contacted, result in serious personal injury.

1. Press the line switch off and remove the instrument's power cord.
2. Remove the top cover.
3. Remove the sheet metal shield covering the digital boards.

CAUTION

The following steps must be performed at a static protected site to prevent static discharge damage during the handling of the PC assembly.

4. Remove the A2 board.
5. Use a volt meter to measure the voltage of the back-up battery installed on the A2 board. Replace the battery if the measured voltage does not compare favorably with the voltage printed on the battery label.
6. Install the A2 board.
7. Verify that the instrument will power up correctly. Some instruments may still not power up. In this case, place A2 J21 in the test position and turn the power on again. While the power is still on place A2 J21 back in the normal position and turn the power off.
8. Replace the sheet metal shield, and the top cover.
9. This completes the procedure.