S E R V I C E N O T E

SUPERSEDES: None

3577B Network Analyzer

Serial Numbers: 3232A00730 / 3232A00774

A18 modification improves source distortion at 1 kHz

Situation:
Source distortion, resulting from poor regulation of the +5V and -5V "private" supplies on the A18 board, is causing the source signal to be severely distorted in the region around 1000 Hz, which results in source flatness failures. Removing resistors R407, R408, R417 and R418 so that each regulator transistor must pass an increased amount of current, ensures that the circuit is truly operating as a voltage regulator.

Continued

DATE: 22 June 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	☐ IMMEDIATELY ■ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS:	Labor 1.0 Hour
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ■ SERVICE CENTER	SERVICE INVENTORY:	☐ RETURN ☐ SCRAP ☐ SEE TEXT
		USED PARTS:	☐ RETURN ■ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: July 1996	
AUTHOR: DWH	ENTITY: A100	ADDITIONAL INFORMATION:	

Agilent Technologies

Solution/Action:

WARNING

The following procedure requires the instrument's top cover 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 by unscrewing the screw that holds it to the rear of the instruments chassis.

CAUTION

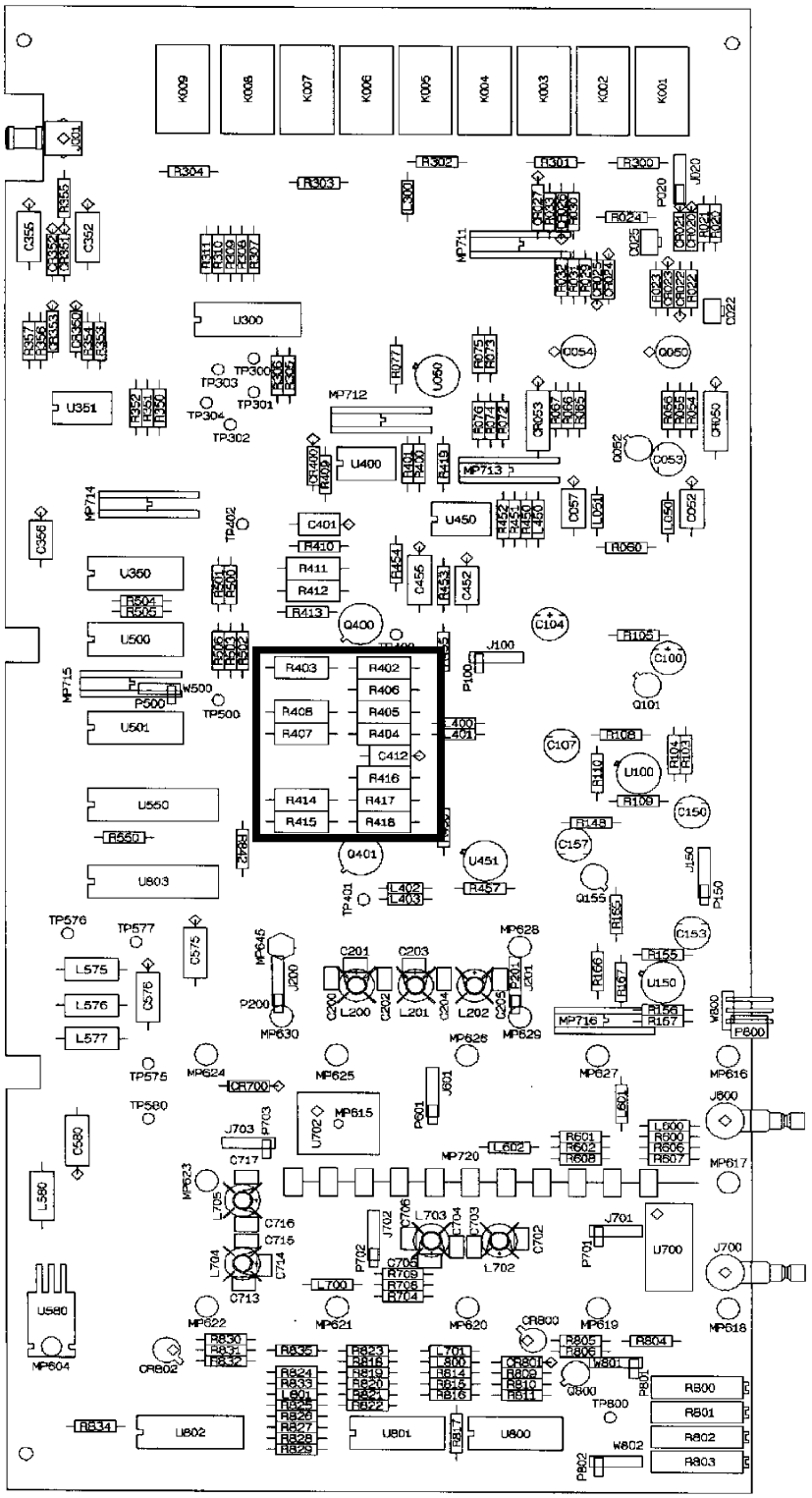
The following steps must be performed at a static protected site to prevent static discharge damage during the handling of the PC assembly.

3. Remove the A18 source board from the cardnest.

4. Remove A18 R407, R408, R417 and R418 (refer to figure 1 for location).

5. Return the instrument to its original state.

6. Run self tests to verify proper operation.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K008
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C355
C352
R024
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TP302
U351
MP712
U400
MP713
Q054
Q050
Q053
Q052
MP714
C366
TP402
C401
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R410
R411
R412
R413
U360
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MP715
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MP628
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TP575
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MP615
U702
P601
J601
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J800
C580
C717
MP720
L602
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MP617
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