

INFORMATION ONLY – DOES NOT COMMUNICATE
A MODIFICATION OR SAFETY CONDITION

54831B-04

S E R V I C E N O T E

Supersedes:
54831-01; 54831-02; 54831B-03

54831B

Serial Numbers: ALL

Error's in service manual 54830-97001.

Parts Required:

P/N	Description	Qty.
NONE		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR: [initials] PRODUCT LINE: [product line]

ADDITIONAL INFORMATION:

© AGILENT TECHNOLOGIES, INC. 2002
PRINTED IN U.S.A.

March 20, 2002



Agilent Technologies

Situation:**Error in service manual 54830-97001.**

1. There is no CD-ROM removal Procedure. Use the procedure in the 54845B/46B service manual until revision comes out.
2. External Trigger Sensitivity is as follows:
 - a. Dc to 100MHz: 0.05x(signal range)
 - b. 100MHz to 500MHz: 0.10x(signal range)
3. Input Impedance (resistance) is as follows:
 - a. 50 Ohm: $\pm 1.0\%$
4. DC Calibrator Specifications
 - a. Performance test record result should be between .998 and 1.002
5. Time Measurement Accuracy Specification
 - a. Equivalent Time: (≥ 16 averages)

$$\pm \sqrt{[(0.0015 * dT) + (\text{full scale}/(2 * \text{memory depth}))^2]} + 30\text{ps}$$
6. Replacement Part Number Errors

A1	54830-69502 should be replaced by 54830-69503
A1	54831-69502 should be replaced by 54831-69503
A1	54832-69502 should be replaced by 54832-69503 Qty: 2-->1
A4	86100-66517 needs to be 54810-66541.
A8	54830-83500 should not be ordered. Order the 0950-3933 and remaster unit with latest firmware.
A14	2090-0365 not available use A13 2090-0396.
B1	3160-0644 needs to be 3160-4134.
H14	0515-0456 should be replaced by 0515-0436 (SCREW M4X0.7 18MM LG)
H17	0515-0383 should be replaced by 0515-0436 (SCREW M4X0.7 18MM LG) Qty: 3-->1
H23	0403-1052 should be deleted
H24	1401-0202 should be deleted
MP3	54810-60101 should be replaced by 54830-60101
MP11	54801-88001 should be replaced by 54826-88001
MP12	54801-01205 should be replaced by 54826-01205
MP23	54801-24701 should be replaced by 54826-24701
W12	54810-61612 should be replaced by 54826-61601

Solution/Action:

There will be an updated manual release around May 2002. Until then just use this service note as your information to correct these errors.