

INFORMATION ONLY – DOES NOT COMMUNICATE
A MODIFICATION OR SAFETY CONDITION

8153A-11B

S E R V I C E N O T E

Supersedes:
8153A-11A

8153A

Serial Numbers: [0000A00000 / 9999Z99999]

Due to a process change in the manufacturing of 08153-66503, power supply board, the assembly comes tested but not finally adjusted.

Parts Required:

P/N	Description	Qty.
------------	--------------------	-------------

NONE

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR: VE PRODUCT LINE: PL3E

ADDITIONAL INFORMATION:

© AGILENT TECHNOLOGIES, INC. 2004
PRINTED IN U.S.A.



May 18, 2004

Situation:

The service part 08153-66503, the power supply board of the 8153A lightwave multimeter mainframe, comes completely tested but not finally adjusted to its supply voltages.

Solution/Action:

- Install the new assembly 08153-66503 into the 8153A
- Connect a DVM to the marked ground (GND) and +5V testpoints on the circuit side of the A1 Processor Board (close to the rear panel between U503 and U404/U403)
- Using an isolated screw driver, adjust RV156 (RP156) on A3, power supply board, for a reading of +5.11 V +/- 50mV

Note: The potentiometer RV156 (RP156) can be reached through the slots on the right hand side of the instrument. It is the only potentiometer on this board.

- Check all supply voltages on the test connector J302 on the circuit side of the A1 Processor Board near the front panel:

J302 pin #	Nominal voltage	Minimum voltage	Maximum voltage
1b	+ 30 V	+ 28.0 V	+ 30.0 V
3b	+ 5.11 V	+ 5.06 V	+ 5.16 V
5b	+ 15 V	+ 14.25 V	+ 15.75 V
7b	- 15 V	- 15.75 V	- 14.25 V