

8510C Installation

"Preflight Checkout"

Be sure security key is installed on A8 board for Network Analyzer Std., Opt. 010, or Antenna software. Note: Opt. 010 also requires firmware key.

Security Keys for 85101C Security Board A8
85101-69268 < Opt. 010 85101-80091
08530-69001 < Antenna 08530-80004
CRT Only
85101-69273 < Rev. 6.XX - Rev. 8.XX
85101-80114

Rev. C.06.60 85101-80132 CRT Only
Rev. C.07.XX 85101-80116 CRT Only
Rev. C.08.XX 85101-80116 LCD Only

Reference extensions A and B are used to phase balance a sweeper to make an uncalibrated measurement. At the port use 08512-20019 short. With a cable(s) use 08514-20013 long. If in doubt, always use the short links.

83621A & 51A or others need 16 Aug 91 or later to work with performance verification or else unable to match frequency points messages.

Firmware Rev. March 8, 1991 for complete compatibility (If not, you may lose quick step)

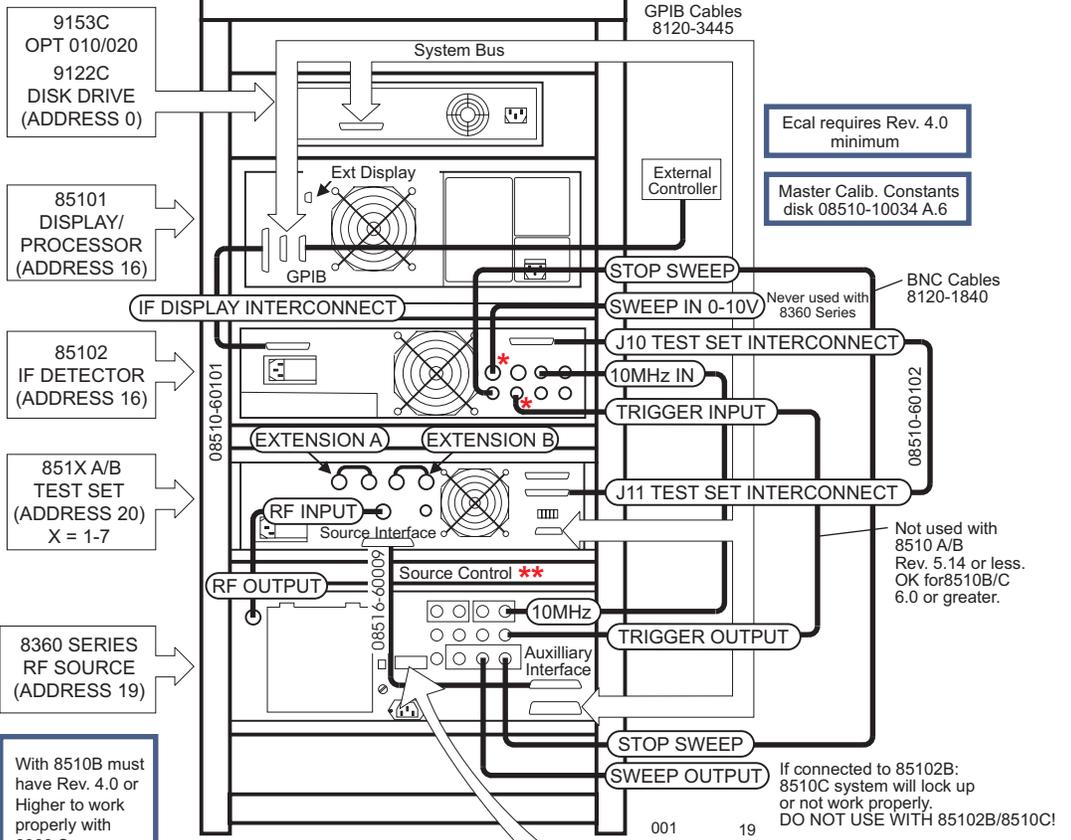
8516A is compatible with 8510B Rev. 4.0 or higher and with 8340/41/A/B with Rev. May 11, 88 or later. If not use Upgrade Kit 11875A for 8340/41/A/B with serial numbers 2513 and above. Use Upgrade Kit 08340-60334 for serial numbers 2504A and below.

8517B Opt. 007 will display spikes if the amplifiers are overdriven from the RF Source. Reduce RF power to 0 dBm to increase dynamic range, You may need to raise the power > than 0 dBm. The factory preset puts it at +10 dBm.
NOTE:
-20 dBm will cause "NO IF FOUND".

PRINTER ADDRESS 1 (OPTIONAL)
PLOTTER ADDRESS 5

PRINTERS		PLOTTERS	
2225A	33447A	7440A	
2225D	33440A	7475A	
D2106A	33471A	7550A	
3630A	33449A	7550B	

For a complete list of compatible printers/plotters see the 8510C Ordering Guide.



Ecal requires Rev. 4.0 minimum
Master Calib. Constants disk 08510-10034 A.6

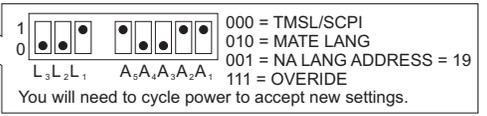
Never used with 8360 Series

Not used with 8510 A/B Rev. 5.14 or less. OK for 8510B/C 6.0 or greater.

If connected to 85102B: 8510C system will lock up or not work properly. DO NOT USE WITH 85102B/8510C!

** Source Control Cable used with 8516A only

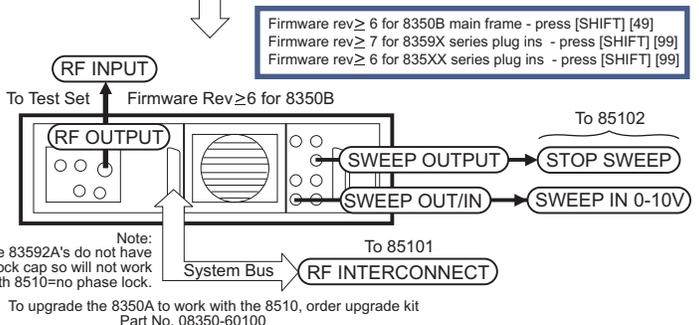
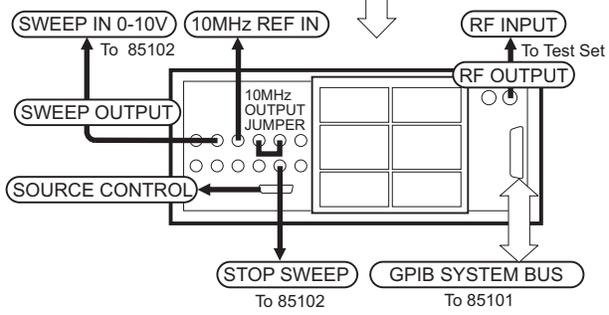
* Note:
For 8340 or 8350 a BNC open must be connected to the 85102 trigger input.
For 8360 a BNC open be connected to the 85102 SWEEP IN 0-10V.



8340 * SOURCE (ADDRESS 19)

* Note: Cannot be mixed with 8360s.

8350B SOURCE (ADDRESS 19)



Firmware rev ≥ 6 for 8350B main frame - press [SHIFT] [49]
Firmware rev ≥ 7 for 8359X series plug ins - press [SHIFT] [99]
Firmware rev ≥ 6 for 835XX series plug ins - press [SHIFT] [99]

Exceptions and Notes:

1. A 9000 series 200 or 300 computer with 2.5 MB of memory is recommended; not 9826A. 9816 limited to 2 megabytes.
2. Connect the reference port extension cables as shown above. (Not applicable for 85110, 8516, 8517.)
3. Only use factory preset (not user preset) during service. Be sure multi-source, phase lock external or phase lock none are turned off.
4. An 8340 or 8360 requires a source interconnect cable (Part No. 08510-60009) connection when the test set is used as an 8516. 8350 cannot be used with 8516 above 20 GHz.
5. Instrument power-on sequence: Source, Test Set, 85102, 85101. Check power line modules for local line voltage. Check GPIB addresses of all instruments. For 8360, set language switch to 001. For 8340/41 set FREQUENCY STANDARD switch to INTERNAL.