

S E R V I C E N O T E

SUPERSEDES: None

**8566A Spectrum Analyzer
85662A IF Display Section****Serial Numbers:** 85662A IF Display Sections 0000A00000/3140A20342**New A4A1 Video Processor****Situation:**

The latest A4A1 Video Processor, part number 85662-60241, has replaced the 85662-60122 Video Processor. Although this latest video processor is backward compatible, a new adjustment procedure is required.

The latest 8566A Performance Test and Adjustments manual, part number 08566-90006, must be updated before adjustments on the latest Video Processor can be performed.

Solution/Action:

When attempting to order the early video processor, part number 85662-60122, you will be instructed to order the Video Processor Retrofit Kit, part number 85662-60258. The kit contains the latest video processor assembly and an installation note which outlines the adjustment procedure. This kit is necessary since it is not apparent that the latest video processor cannot be adjusted using an earlier procedure.

Continued

DATE: 30 January 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
INFORMATION ONLY		
AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
BS	5300	

To update the 8566A Performance Tests and Adjustments manual, part number 08566-90006 (Volume 2, Section 5), insert the installation note furnished with the retrofit kit into the manual or make the following corrections:

On page 5-42 replace steps 6 through 17 with the steps listed below.

6. Set step attenuator to 120 dB, DVM indication should be 0.000 +/- 0.0005 Vdc. (If DVM indication is out of tolerance, adjust A4A2R79 ZERO on the log amplifier-detector board.)
7. Set the step attenuator to 0 dB.
8. Key in REFERENCE LEVEL and adjust DATA knob for DVM indication as close to +1.00 +/-0.001 Vdc as possible. (It may be necessary to slightly adjust the front panel AMPTD CAL control to achieve required tolerance.)
9. Connect DVM to A4A1TP2.
10. Adjust A4A1R14 OS for a DVM indication of 0.000 +/- 0.003 Vdc. See Figure 22 for the location of the adjustment.
11. Connect DVM to A4A1TP3.
12. Set the step attenuator to 120 dB.
13. Adjust A4A1R32 ZERO for a DVM indication of 0.000 Vdc +/- 0.001 Vdc.
14. Set the step attenuator to 0 dB.
15. Adjust A4A1R36 FS for DVM indication of +2.00 +/- 0.001 Vdc.
16. Repeat steps 12 through 15 until no further adjustments are required.