

S E R V I C E N O T E

SUPERSEDES: None

83751B Synthesized Sweeper**Serial Numbers:**

83751B 0000A00000 / 3610A00239

83752B 0000A00000 / 3610A01039

ALC Overshoot**Duplicate Service Notes:**

83752B-07

Situation:

From day one, the 8375x instruments have had some ALC overshoot. A change was made to the A9 ALC boards to improve overshoot and the board part numbers were changed from 83750-60063 to 83750-60088 and 83750-60064 to 83750-60089. This change eliminated the overshoot on the A models, but not completely on the B models. The 83750-60089 has been changed to the 83750-60099 to eliminate ALC overshoot in B models. Overshoot although not desirable, does not cause the instrument to fail any specification and therefore is not a warranty repair.

Solution / Action:

If a customer reports ALC overshoot problem in a B model, the ALC board can be changed to an 83750-60099 or C49 can be changed. C49 on the 83750-60089 is a 2200pf and can be replaced with a 3900pf (0160-4623) capacitor. C49 is the third component below U25. (Below U25 is C47, R50, and C49.) Changing the capacitor does not effect calibration and requires no adjustments. If A9 is changed, do the adjustments and performance tests for the A9 assembly listed in the Quick Reference Section of the Service Guide.

DATE: July 1999

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:

DM

ENTITY:

5320

ADDITIONAL INFORMATION:

