S E R V I C E   N O T E

SUPERSEDES: 33120A-03

33120A Function Generator / Arbitrary Waveform Generator

Serial Numbers: US00000000/US99999999

Changing of the output fuse (F801) from a solder device to a socketed device

To Be Performed By: Agilent-Qualified or Trained Service Personnel Parts Required:

P/N	Description	Manufacturer P/N
NA	Socket 10 pos. terminal strip	Augat P/N 510-AG90D-10 or SPC Technology P/N 89N6183
2110-0716	Fuse .5A 125V Subminiature	Littelfuse Inc. P/N R251.500T1

Situation:

The output fuse (F801) can be installed in sockets to make it easier to replace an "open" fuse. This modification is primarily for 33120A units that are used in university/school labs were students tend to "overstress" the output of the waveform generator which causes the fuse to open.

Continued

DATE: January 20, 1999

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
REM	0940	

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Solution/Action:

To modify the 33120A output fuse from being soldered to socketed, follow the steps below:

1. Turn unit off, remove the power cord.

2. Place unit in ESD control environment or use a grounded wrist strap while working on unit at all times.

3. Remove rear bumper, rear bezel and cover. Refer to Service Guide for disassembly.

4. Remove fuse(F801) from the PC board which is located near the output connector (J801). Be careful not to damage the PC board. If fuse is still good, set aside for later use in step 10.

5. Remove any excess solder that remains in the holes were the fuse was installed.

6. Using needle nose pliers break off one the positions from the socket terminal strip.

7. Install the loose socket terminal into one of the holes from which the fuse (component side of the PC board) was removed and solder.

8. Using needle nose pliers break off another socket from the socket terminal strip

9. Solder the second loose socket into the remaining hole from which the fuse was re-moved.

10. Install a good fuse into the two sockets. If you are using the fuse removed in step 4, remove any excess solder from the leads.

11. Install cover, rear bezel and rear bumper.

12. Connect power, turn on unit and verify the unit is outputting a signal.