81150A-05

S E R V I C E   N O T E

Supersedes:
NONE

81150A Pulse Function Arbitrary Noise Generator

Serial Numbers: ALL

The instrument boots but the front panel display will stay dark.

Parts Required:
P/N	Description	Qty.

NONE

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:
INFORMATION ONLY

AUTHOR: HK	PRODUCT LINE: PL24

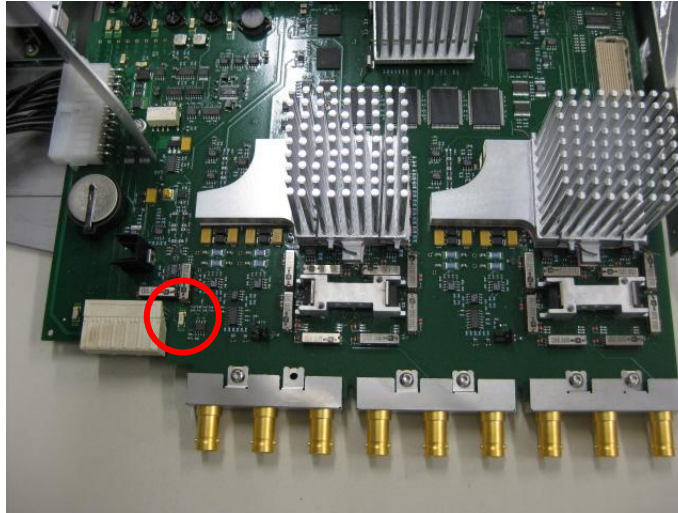| ADDITIONAL INFORMATION: |
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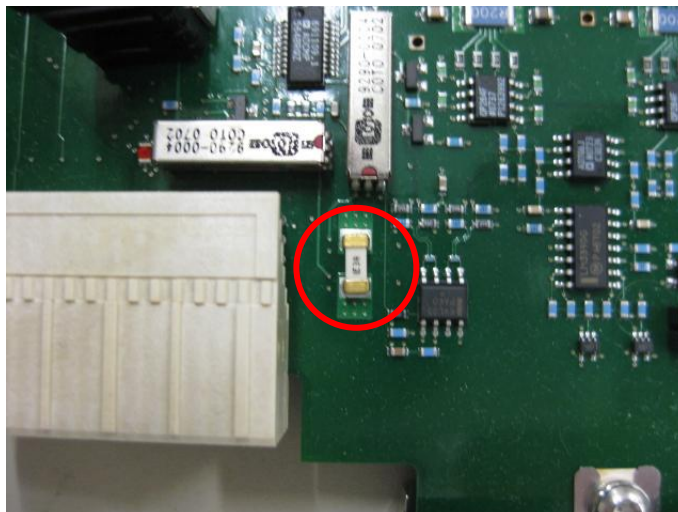October 6, 2008

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Situation:

You switch on the instrument and the instrument seems to boot normally. However, the front panel display stays dark.

1. Check Service Note 81150-002
2. Try to reboot the instrument at least 2 times. Disconnect the power cord and wait for at least 30 seconds before re-connecting and restarting again.
3. Take the Service Guide of the 81150A and open chapter "How to Remove and Replace the 81150A Main Board".
4. Remove the main board assembly

5. Check the fuse F401. F401 is located next to the front panel connector on the left side of the main board:

Use a multi meter to check the resistance across the fuse. It should be 0 Ohm.

Solution/Action:

There have been cases in which the front panel PC board touches the front panel EMI shielding. As a consequence a high current flows which may destroy F401 on the main board and/or other parts on the front panel.

1. If the fuse is broken then please do the following:
   a. Repair the fuse F401 on the main board.
      The part number is 2110-0945.
      It is a 3.0A 125V fast acting fuse.
   b. In addition exchange the complete front panel.
      Read Service Guide: "How to Remove and Replace the complete Front Panel Assembly".
      The reason for the broken fuse is a defective front panel.
2. If the fuse shows 0 Ohm resistance across (~0.025 Ohm), then there is a high probability that the front panel is defective.
   Read Service Guide: "How to Remove and Replace the complete Front Panel Assembly".

If you have any questions contact:

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