

INFORMATION ONLY – DOES NOT COMMUNICATE
A MODIFICATION OR SAFETY CONDITION

E5515B-10A

S E R V I C E N O T E

Supersedes:
E5515B-10

E5515B Wireless Communications Test Set (8960 Series)

Instrument Serial Numbers: GB45080157/GB45459999

Upgrade Kits: E5515BU-587 Fast Switching LA/TA upgrade kits produced between October 2005 and March 2006 may also exhibit this problem. (Note: These upgrade kits may have been installed in Test Sets other than the serial number range noted above.)

Unexpected intermittent Test Set behavior or GPIB problems due to contamination on the connector pins of the Host Processor assembly

Parts Required:

P/N	Description	Qty.
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NONE (See Solution/Action for cleaning material requirements)

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR: AS/LL PRODUCT LINE: PL13

ADDITIONAL INFORMATION: ALL HOST PROCESSORS SHIPPED TO SPO HAVE BEEN CLEANED OF CONTAMINATION. A GREEN DOT HAS BEEN PLACED ON THE BATTERY TO INDICATE THIS.

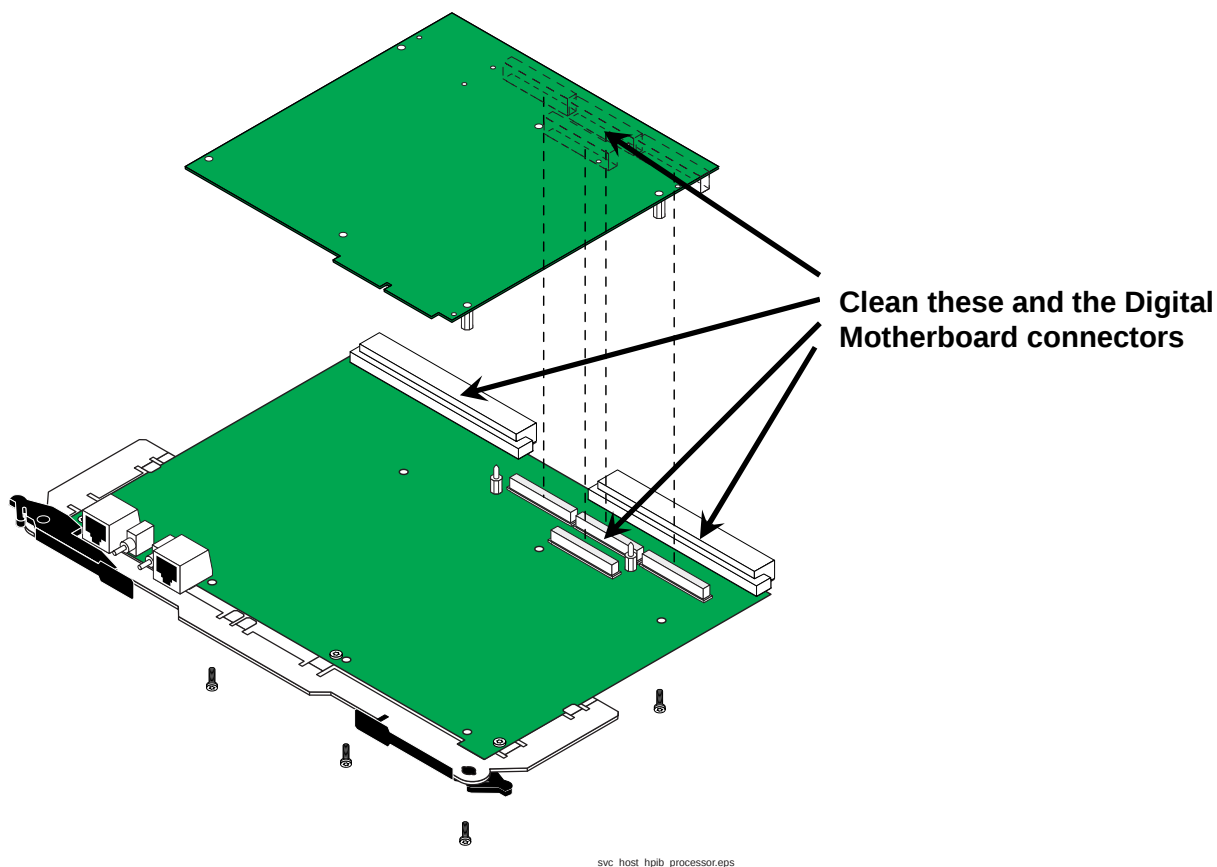
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Situation:

The Host Processor assembly, E5515-61249 consists of two boards; the Host Processor (E5515-60251) and the Host PMC (E5515-60349). Test sets with serial numbers noted above may have contamination on the connector pins of the Host Processor board which interface to the Host PMC board and to the Digital Motherboard. This contamination can cause intermittent connectivity problems including improper GPIB operation or other unpredictable test set behavior.

**Solution/Action:**

Note (Agilent-personnel): Cleaning the connector pins should be attempted before replacing the Host Processor or Host PMC boards. If the replacement of either board is necessary to repair the test set, please indicate on the Service Order that this cleaning procedure was performed to resolve the problem.

- Turn off the test set, then remove AC power from the test set.
- Observing **proper ESD precautions**, remove the Host Processor assembly E5515-61249 from the test set.
- Separate the Host PMC and Host Processor boards (6 screws).
- Use a stiff fiber brush and isopropyl alcohol (**do not use acetone or other harsh solvents**) to remove any contamination (which may not be visible) from the following connectors:
 - Host Processor board connectors (4) that mate to the Host PMC board.
 - Host Processor board connectors (2) that mate to the Digital Motherboard.
 - Host PMC board connectors (4) that mate the Host Processor board.
 - Digital Motherboard connectors (2) that mate to the Host Processor board
- Re-assemble the two boards back together, re-install the assembly into the test set, restore power and verify that the test boots-up and operates normally (GPIB and front panel operation).