

Supersedes:

None

HP MODEL 8569B SPECTRUM ANALYZER**Serial Number Prefixes 2409A and Below****MODIFICATION TO PREVENT INTERMITTENT A7/A8 FAILURES**

Some instrument failures with intermittent symptoms leading to total failure, usually involving the CRT display, have been traced to shorted leads on the A7 Input/Output Assembly and the A8 Microprocessor Assembly. When these boards are removed or inserted, there is a potential for the spacers designed to separate these boards to rub against component leads sticking out from the circuit side of these boards. If these leads bend over sufficiently, they can short out to each other.

The recommended procedure to either correct or prevent these problems is to remove J2 (the socket with jumpers) from the option status interface circuitry on the A7 assembly.

If the instrument is an 002 or HXX option that alters the location of the jumpers from that of a standard instrument, the jumpers should be soldered directly to the pc board in their new locations. The possible option jumper wire configuration is indicated below:

Minimum Resolution Bandwidth

A7J2 Pin B to Pin 2: 1 kHz bandwidth (OPT 002)

Display Units Reference Level

A7J2 Pin D to Pin 4: dBuV

Display Resolution—Center Frequency

A7J2 Pin F to Pin 6: 1 MHz

Reference Position for Normalized Response

A7J2 Pin H to Pin 8: Top Horiz. Graticule Line

D/PM/WO

4/84-53/MLG

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