

3070-70-S

S E R V I C E N O T E

Supersedes:
None

Agilent Technologies 3070 and 79000 Board Test Systems

Serial Numbers: [0000A00000 / 9999Z99999]

POSSIBLE FIRE HAZARD

WARNING

Power cords utilizing spliced-on male plugs, might have incorrectly assembled spliced-on male plugs resulting in an intermittent connection, and the possibility of a fire hazard.

To Be Performed By: Agilent-Qualified Personnel

Parts Required on Failure:

| P/N | Description | Qty. |
|-------------|--------------------|------|
| 5181-8707 | MPU Power plug | 1 |
| E4000-61603 | Blower Power cord | 1 |
| N7200-84366 | Service Note label | 1 |

ADMINISTRATIVE INFORMATION

| | | | |
|---|--|---|---|
| SERVICE NOTE CLASSIFICATION: | | | |
| SAFETY | | | |
| ACTION CATEGORY: <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME | | STANDARDS: LABOR: 1.0 Hours | |
| LOCATION CATEGORY: <input type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER | | SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT | USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT |
| AVAILABILITY: ALWAYS | | AGILENT RESPONSIBLE UNTIL: ALWAYS | |
| AUTHOR: Guy Sittler PRODUCT LINE: 80 | | | |
| ADDITIONAL INFORMATION: 5181-8707, E4000-61603 and N7200-84366 are orderable through GTLS. Reference the service note number in the detail section or the Service Note section of the CSO. Torque wrenches will be available through the local field offices. | | | |

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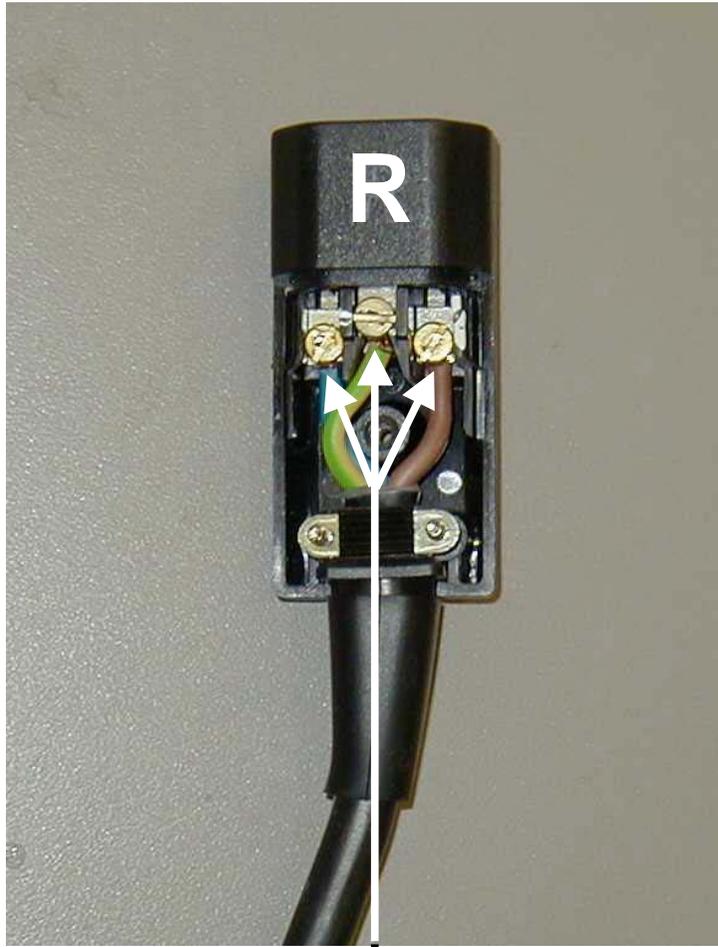


January 13, 2003

Situation:

The 3070 system has a number of internal connections to power the MPU's and the Module Blowers that utilize an IEC-320 connector. The male plug has three flat blades in parallel with the ground blade off set from the line/neutral blades.





Note:
Screws torqued by the vendor, have an "R" stamped on the plug.

It has been discovered that some of the hard-wired plugs were not correctly installed on the power cord. The three internal wire attachment screws may not have been tightened correctly, which can result in intermittent connections and/or heat generation or arcing within the body of the plug.

Note: Some 3070's shipped with molded connectors. These molded connectors have no known problems and need no action.



Solution/Action:

Shutdown the 3070 using the standard operating procedures.

Lock Out / Tag Out the 3070 before proceeding with this procedure.

Each Agilent 3070 system should be inspected for use of the hard-wired style connectors. Inspect the MPU power plugs and the Blower power cords.

If these are found, disassemble the plugs and check the wire attachment screws to assure that they are tight enough to clamp the wire to the terminal within the plug. The wire attachment screw's torque specification is 3.5 inch pounds (0.4 Newton-meters).

If there is evidence of heat damage or corrosion on the MPU power plug, replace the plug with Agilent part number 5181-8707.

If there is evidence of heat damage or corrosion on the blower power cord, replace the cord assembly with Agilent part number E4000-61603.

Note: Corrosion on the connector or conductors in the wire will typically have a bluish green color.

After the plugs are checked or replaced and assembly is complete, ensure that each plug is fully seated in the receptacle.

Once you have completed the verification, fill out and install the Service Note label (Part Number N7200-84366) to the 3070 system cradle.

