

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

N6700B-01

S E R V I C E N O T E

Supersedes:
NONE

N6700B Low-Profile Modular Power Supply Mainframe

**Serial Numbers: MY43000101/MY43001000
SG43000101/SG430000200**

Firmware update will address an issue where multiple N6700B DC Power Supply Mainframes have the same Ethernet address.

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.
NONE		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION RECOMMENDED		
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 0.5 Hours
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AUTHOR: MC	PRODUCT LINE: 33	AGILENT RESPONSIBLE UNTIL: July 2007
ADDITIONAL INFORMATION:		

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Situation:

All N6700B mainframes with a firmware revision lower than B.00.33 have the same MAC address (00-30-D3-07-E4-06). This causes multiples N6700B mainframes to not be able to communicate on the same local area network. This does not affect GPIB, USB, or front panel operation.

Solution/Action:

First, check the firmware revision of the N6700B mainframe. To do this using one of the IO interfaces, send the “*IDN?” query. Over the front panel, use the following sequence of key strokes: Menu -> System -> About -> Frame. It will be listed under “Firmware revision.” If the firmware revision is B.00.33 or higher, the unit has already been upgraded and no further upgrade is required.

If the firmware revision is older than B.00.33 then the firmware must be upgraded. All files, programs, and instructions required to upgrade the firmware are located at the following website: <http://www.agilent.com/find/N6700firmware>.

Once the firmware is updated and the unit is re-booted, the Ethernet address will automatically be updated to a unique value. The Ethernet address can be checked using the following keystrokes on the front panel: Menu -> System -> I/O -> LAN -> ActiveSettings. The “Ethernet Address” field is found by pressing the down arrow twice. The original, incorrect Ethernet address was 00-30-D3-07-E4-06. If the Ethernet address is not 00-30-D3-07-E4-06 then it has been successfully updated.