

8648C-03

S E R V I C E N O T E

Supersedes:
NONE

8648C Signal Generator

Serial Numbers: ALL

**Ensuring the correct motherboard part number is entered when using the
Motherboard Repair Utility.**

Parts Required:

P/N	Description	Qty.
NONE		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION: INFORMATION ONLY	
AUTHOR: PY	PRODUCT LINE: 15
ADDITIONAL INFORMATION:	

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Situation:

After replacement of the motherboard, you will be required to use the 8648 Motherboards Utility which will download information into the controller portion of motherboard. Motherboard part number is 08648-60314 (for serial number prefix < 3836A/3836U) and 08648-60614 (for serial number prefix => 3836A/3836U). Currently 08648-60614 board is ordered with part number 08648-60053. Entering the motherboard part number to **0053** as the last 4 digit of the motherboard part number in the Motherboard Repair Utility will cause the instrument AM modulation not functioning below 1GHz.

Solution/Action:

After opening the Motherboard Repair Utility, you are required to enter the correct instrument serial number, model number and ensure the options installed are correct. For the 8648B/C/D models, enter the last 4 digits of the A11 attenuator serial number.

On the A3 Motherboard ID number portion, use the following guide below when entering the last 4 digits of part number

For serial number prefix < 3836A/3836U, the last 4 digits is “**0314**”

For serial number prefix => 3836A/3836U, the last 4 digits is “**0614**” (do not enter 0053 as the last 4 digits or else the AM modulation function below 1GHz will not work)

The screenshot shows the '8648 Motherboard Repair Utility' window. The 'Enter the desired A3 Motherboard ID Number' section is highlighted with a red box. It contains two input fields: 'Last 4 digits of part number' with the value '0614' and '5 digit Serial number' with the value '5555'. Other fields include 'Enter the DUT current address' (719), 'Enter the desired Serial Number' (3538A01234), and 'Enter the desired A11 Attenuator Numbers' (Last 4 digits: 01234, 5 digit Serial number: 012345678). A list of models is shown with '8648B' selected. A list of options is shown with none selected. A progress indicator shows 1 out of 5 steps completed. Buttons for 'Get Data', 'Send Data', and 'Cancel' are at the bottom.

For more information, you can refer to Chapter 7 of the Service Guide, in the ‘Motherboard Repair Utility’ section. (this is a big file, will take awhile to download)

<http://cp.literature.agilent.com/litweb/pdf/08648-90048.pdf>