

# **Installation Note**

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**Agilent N9320B Spectrum Analyzer**

**Option N9320BK-G01,  
GPIB Board Assembly Upgrade Kit**



**Agilent Technologies**



N9320-90017

Part Number N9320-90017  
Electronic format only June 2011

**Notice.**

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## Option G01 - GPIB Board Installation Kit

Products Affected:	N9320B
Serial Numbers:	N9320B
To Be Performed By:	(X) Agilent Service Center (X) Personnel Qualified by Agilent (X) Customer
Estimated Installation Time:	0.5 Hours
Estimated Adjustment and Verification Time:	0.5 Hour

### Overview

This kit contains all of the instructions required to install Option G01 GPIB board on an Agilent N9320B Spectrum Analyzer.

The procedure outlined in this document will guide you through the following steps, which will need to be followed closely, and performed in the order defined:

1. Pre-upgrade Status Check
2. Hardware Installation
3. Hardware Activation
4. Functional Verification

## Installation Procedure

This installation note is part of an upgrade kit that provides all of the parts and instructions needed to install the tracking generator board assembly in a N9320B Spectrum Analyzer.

### Contents

Quantity	Description
1	GPIB Board

### Tools Required

- Cross slot screwdriver M3

### Pre-Upgrade Status Check

Before performing this upgrade you will need to know the status of the instrument being upgraded in the following areas;

#### Pre-Existing Issues and Error Messages

Power the instrument on and verify that the instrument will boot up properly. This would include verifying that there are no error messages displayed in the Status Bar of the display.

If there are any problems with the instrument at this point, including the presence of any error messages, either repair the instrument prior to proceeding with this upgrade or make detailed notes of the instrument status in the space provided below and address them once this upgrade has been completed if they continue to be present.

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#### Pre-Upgrade Instrument Software Revision

Determine the current instrument software revision and record it in the space below by pressing **Preset/System, More, Show System** on the instrument.

Instrument S/W Revision: \_\_\_\_\_

## 1. Hardware Installation

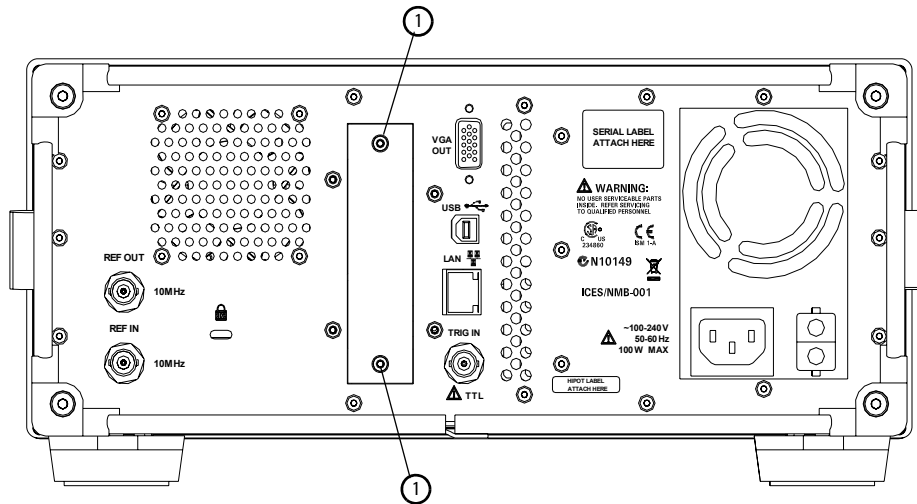
### CAUTION

Electrostatic discharge (ESD) can damage or destroy electronic components. All work on electronic assemblies should be performed at a static-safe workstation. Refer to the documentation that pertains to your instrument for information about static-safe workstations and ordering static-safe accessories.

### Removal

1. Turn off the instrument and remove the power cord from the rear panel.
2. Refer to [Figure 1](#) to remove the outer cover from the instrument.

**Figure 1** N9320B Rear Panel



- a. Using the M3 screwdriver, remove the screws (1) that attach the slot cover on the rear panel.
- b. Remove the slot cover from the rear panel.

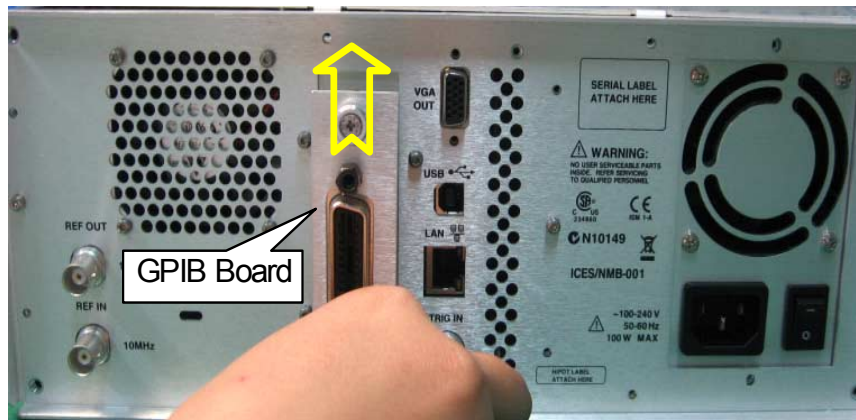
## Option G01 - GPIB Board Installation Kit

### 2. Install the GPIB Board

Please follow the procedures below to install the GPIB board assembly.

1. Insert the GPIB board into the slot on the rear panel. Please refer to [Figure 2](#). Keep GPIB board vertical with the rear panel. Do not lean the GPIB board to the left or the right.

**Figure 2** GPIB Board Insertion

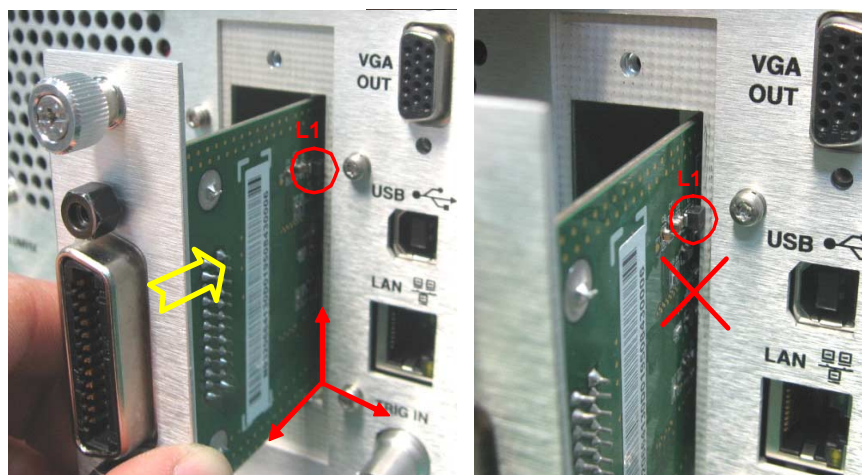


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### CAUTION

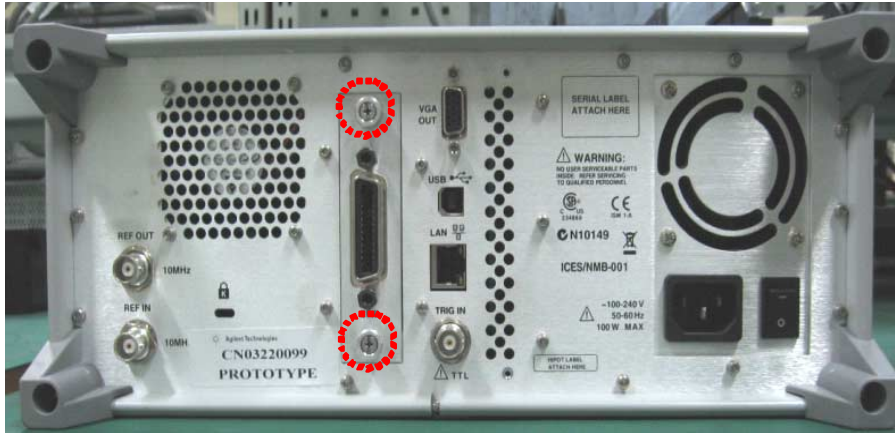
L1 inductance is the highest component on the right side of GPIB board. This component will be struck by the panel edge if the GPIB board leans aside when sliding in. Please refer to the [Figure 3](#) to slide in the module properly.

**Figure 3** GPIB Module Insertion Comparison



2. Tighten the two screws on GPIB module, Refer to [Figure 4](#) to slide the RF module and TG module into the motherboard.

**Figure 4** Lock the GPIB Board Assembly



## Option G01 - GPIB Board Installation Kit

### Tracking Generator Function Activation

After the hardware installation is complete, please follow the procedures below to activate the option.

1. Press [**Preset/System**] > {**More**} > {**More**} > {**Licensing**} > {**Option**}, enter option number **G01** and press [**Enter**] as a terminator.
2. Press {**License Key**}, enter the license key in the pop-up window, press [**Enter**] as a terminator.
3. Press {**Activate License**} and the option G01 will be activated immediately.



### Functional Verification

After the installation is complete, press [**Preset/System**] > {More} > {More}. The {GPIB Address} in black indicates the option G01 has been activated already.

**Option G01 - GPIB Board Installation Kit**