

Keysight N9000B CXA, N9010B EXA, and N9020B MXA Signal Analyzers

Option PRC - Portable Configuration

Notices

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Option PRC, Portable Configuration Installation Kit

Products Affected:	N9000B CXA N9010B EXA N9020B MXA
Serial Numbers:	All
To Be Performed By:	(X) Keysight Service Center (X) Personnel Qualified by Keysight (X) Customer
Estimated Installation Time:	0.5 Hours
Estimated Adjustment and Verification Time:	N/A

Introduction

This installation note is part of a retrofit kit that enables the installation of Option PRC, Portable Configuration. This retrofit kit provides the bumpers and handle hardware needed to convert a bench top signal analyzer into a portable signal analyzer.

CAUTION

While the parts in this upgrade kit could also be installed onto a N9030B PXA signal analyzer, this kit is NOT to be used with these instruments.

The bail handle for the portable configuration, and its attachment to the instrument, has NOT been designed to support the added weight of the N9030B PXA signal analyzer.

The use of this portable configuration upgrade kit with a N9030B PXA signal analyzer, or any other unintended use, could result in either personal injury or instrument damage.

Contents

Quantity	Description	Keysight Part Number
1	Installation Note	This note
1	Trim Strip, Top with Bumper	N9020-40006
4	Bumper Assembly, Front	N9020-40016
4	Bumper Assembly, Rear	N9020-40015
4	Hole Plug, Strap Handle	N9020-40014
4	Hole Plug, Bottom Foot	N9020-40007
1	Bail Handle Assembly	N9020-60251
1	Impact Cover	N9020-40004
12	Screw M4 X 0.7 14 mm-LG	0515-0435
4	Screw M5 X 0.8 14 mm-LG	0515-5209
4	Screw M4 X 0.7 25 mm-LG Pan head	0515-1619
4	Washer, Flat	3050-0893

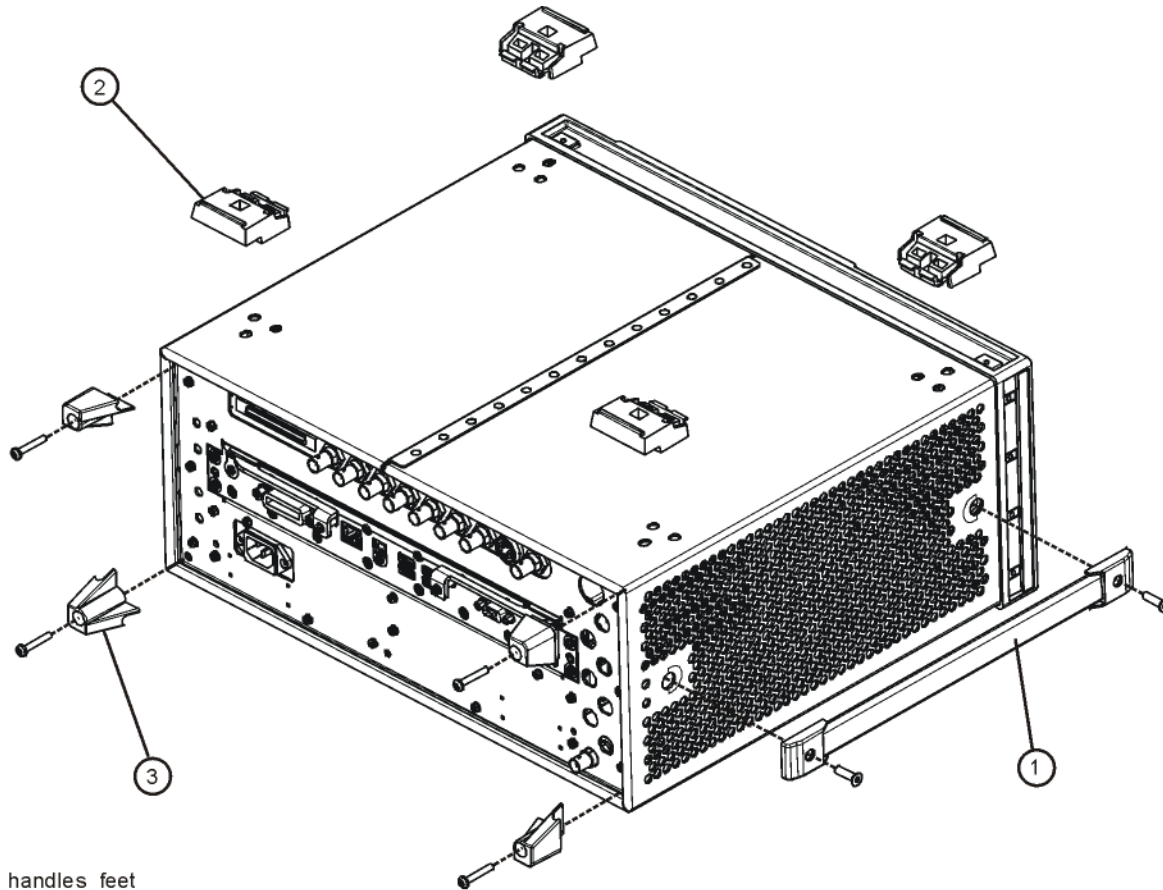
Tools Required

- T-20 Torx driver
- Small flathead screwdriver

Installation Procedure

1. Refer to **Figure 1**. Locate and remove both strap handle assemblies (1) (N9020-60252). Each handle is attached to the instrument case with two Torx 20 screws. Set aside the two strap handle assemblies as they are no longer needed.

Figure 1 Strap Handle Removal



2. Locate four strap handle hole plugs (N9020-40014) and four screws (0515-5209) from the kit. Install strap handle hole plugs and secure with screws. Torque to 21 in-lbs.
3. Locate and remove the four key locks from the four instrument feet located on the bottom of the instrument. Set aside the four key locks as they are no longer needed.
4. Locate and remove the four instrument feet (2) located on the bottom of the instrument. Set aside the four instrument feet as they are no longer needed.

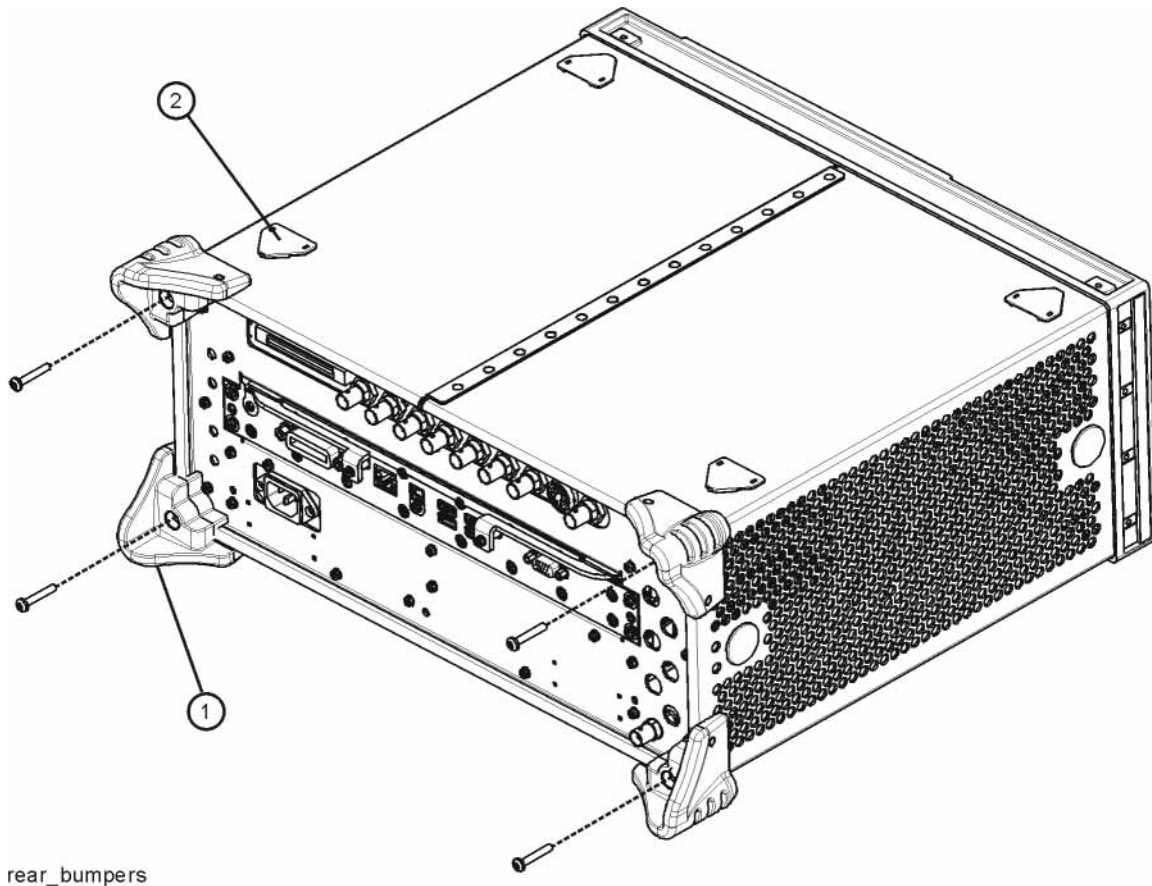
5. Locate and remove the four rear feet (3). Each foot is attached with one Torx 20 screw and a washer. Set aside the four rear feet, the four screws and the four washers as they are no longer needed.

NOTE

1. It is recommended that all of the parts that have just been removed be stored away somewhere together in case you need to return the instrument to the bench top configuration.
2. The screws attaching the four rear bumpers are what hold the instrument cover in place. Once these have been removed, be careful not to disturb the instrument cover placement as it is seated into the EMI gasket in the front frame. Also, removal or excessive movement of the instrument cover may break any calibration or security seals that may have been placed on the instrument.

6. Refer to **Figure 2**. Locate four rear bumper feet (1) (N9020-40015), four screws (0515-1619) and four washers (3050-0893) from the kit. Install the rear bumper feet. Secure with screws and washers. Torque to 21 in-lbs.

Figure 2 Rear Bumper Installation



7. Locate and install four foot hole plugs (2) (N9020-40007) from the kit.

8. Refer to **Figure 3**. Locate the top trim strip on the front panel. The top trim strip snaps into place. Use a small flathead screw driver to remove the top trim strip as shown. Ensure that you do not scratch the front panel. Discard the top trim strip.

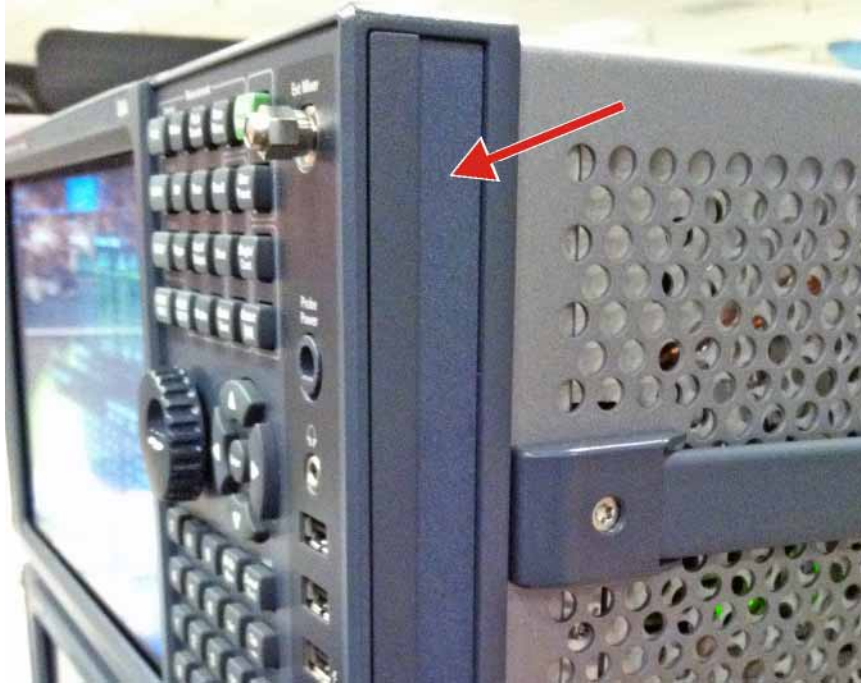
Figure 3 Top Trim Strip Removal



Installation Procedure

9. Refer to **Figure 4**. Locate and remove the adhesive side trim strips from both sides of the front panel. Discard the side trim strips.

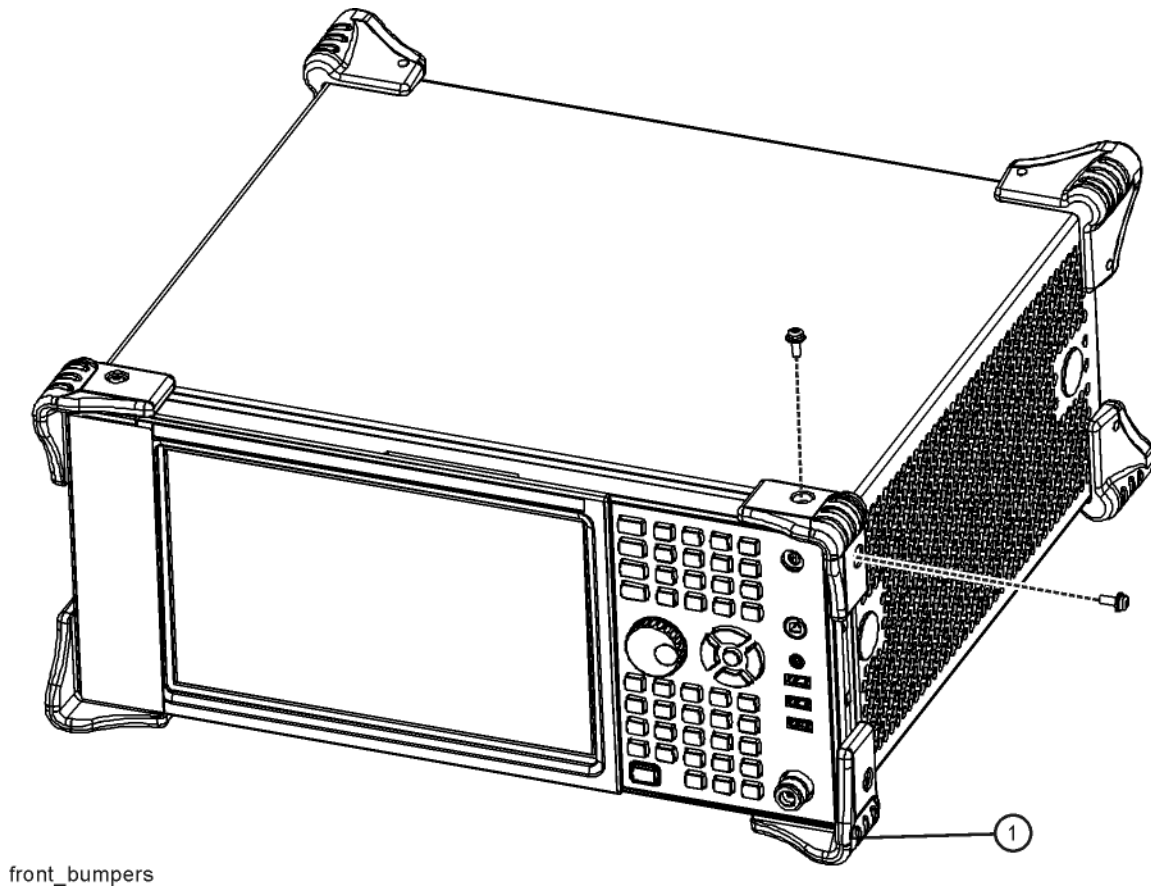
Figure 4 Side Trim Strip Removal



10. Locate the top trim strip (**N9020-40006**) from the kit. Snap top trim strip into place in the cavity on the top of the front frame.

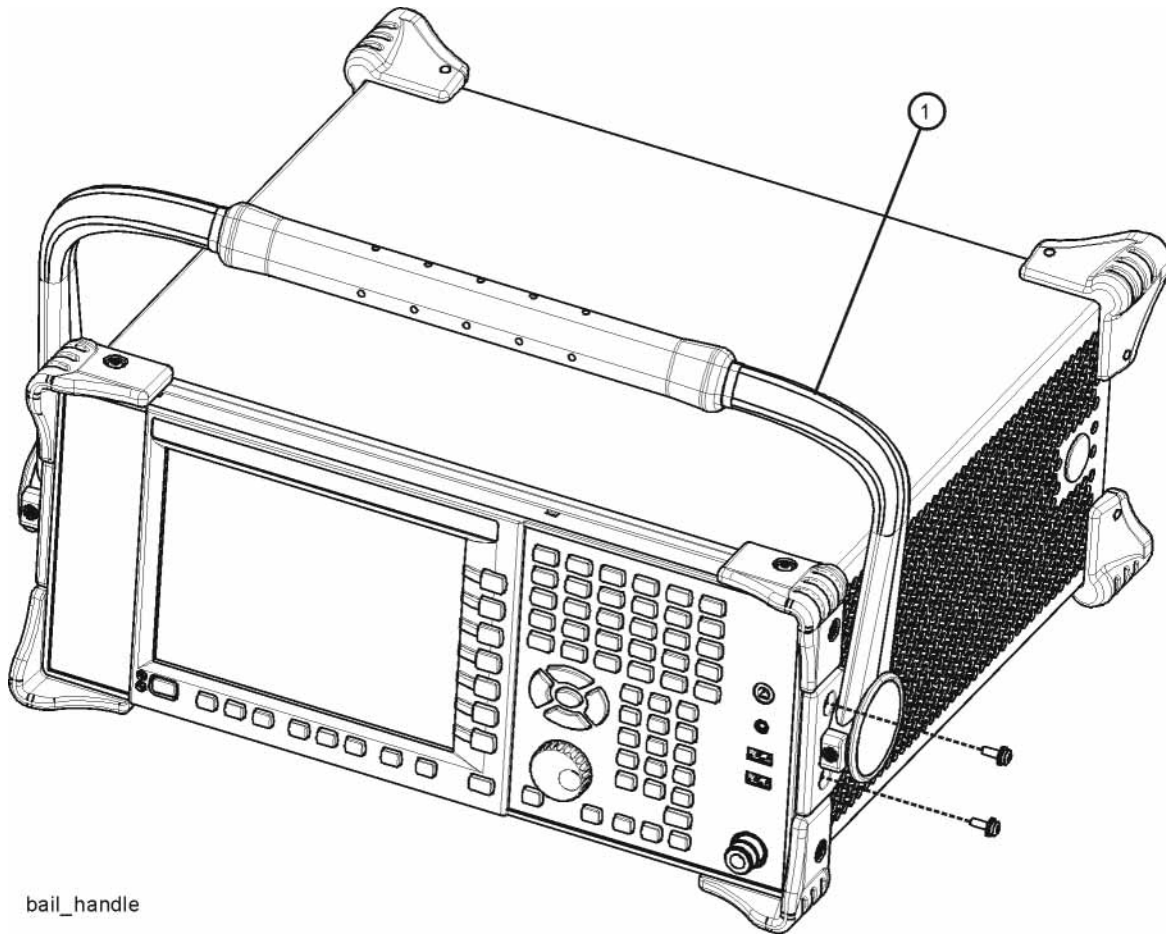
11. Refer to **Figure 5**. Locate four front bumpers (1) (N9020-40016) and eight screws (0515-0435) from the kit. Install front bumpers with long side facing forward. Secure each front bumper with two screws. Torque to 21 in-lbs.

Figure 5 Front Bumper Installation



12. Refer to **Figure 6**. Locate Bail Handle assembly (1) (**N9020-60251**) and four screws (**0515-0435**) from the kit. Adjust handle as shown. Snap handle into place on the instrument front frame. Secure the Bail Handle assembly with screws. Torque to 21 in-lbs.

Figure 6 Bail Handle Installation



Utilities, Adjustments, and Performance Verification Tests

Utilities Required

None

Adjustments Required

None

Performance Testing Required

None

End of installation

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<http://www.keysight.com/find/assist>

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