

Information Only Service Note

Supersedes:
NONE

N9030B PXA Series Signal Analyzer w/ Option EP0

Serial Numbers: ALL

A16A3 Reference OCXO Replacement Part Now Available

Parts Required:

P/N	Description	Qty.
N9020-63194	A16A3 Reference OCXO	1

This Service Note Only Applies to Instruments with Option EP0 - Enhanced Phase Noise, DDS, LQ

ADMINISTRATIVE INFORMATION

Calibration Required
 Calibration NOT Required

PRODUCT LINE: 12
AUTHOR: MM

ADDITIONAL INFORMATION:

This Service Note Only Applies to Instruments with Option EP0 - Enhanced Phase Noise, DDS LO

Situation:

Until now the entire A16 Reference assembly would need to be replaced if there was a problem with the A16A3 Reference OXCO daughter board. To reduce the complexity and cost of repairs requiring a new OXCO, the lower level A16A3 Reference OXCO is now available for replaceable in the field.

There are several reasons why the A16A3 Reference OXCO might need to be replaced, such as:

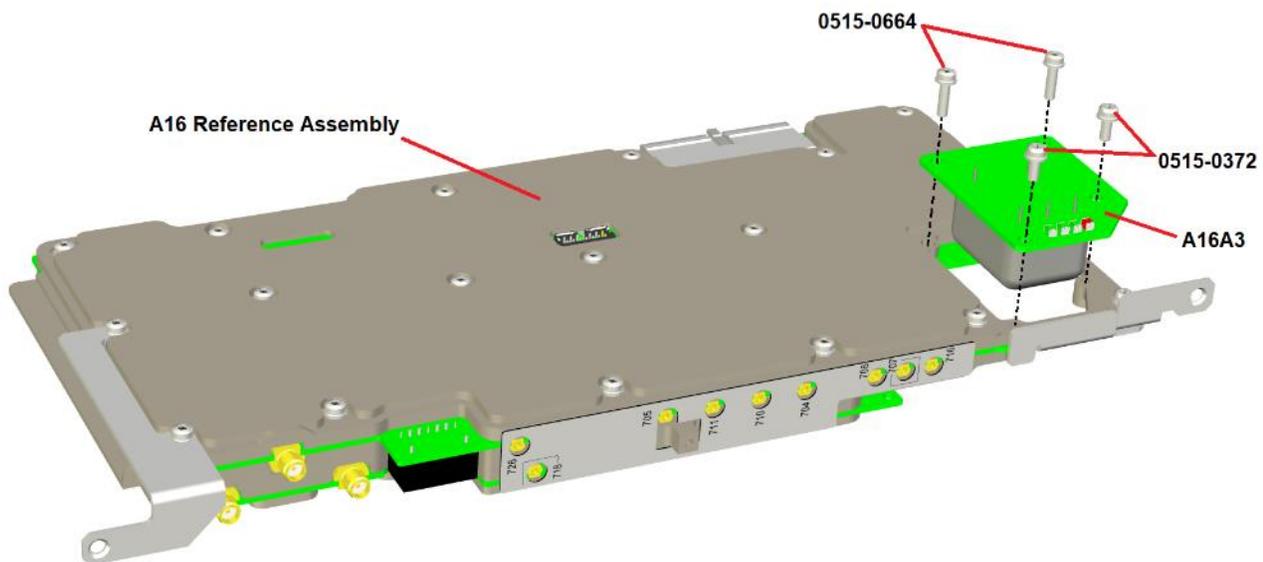
- The instrument displays a Reference Unlock message only when the internal reference is used.
- The 10 MHz Internal Frequency Reference adjustment fails.
- The Frequency Reference Accuracy performance verification test fails.
- The Phase Noise performance verification test fails.
- And others...

Solution/Action:

When only the A16A3 Reference OXCO needs to be replaced, order the following lower-level replacement part: **N9020-63194**.

To replace the A16A3 Reference OXCO:

1. Follow the directions in the instrument service guide to remove the A16 Reference assembly from the instrument.
2. Referring to the figure below, remove the four screws shown to remove the A16A3 Reference OXCO from the A16 Reference assembly.



3. Install the replacement A16A3 Reference OXCO onto the A16 Reference assembly, being careful to properly plug the 26-pin interface connector in.
4. Reinstall the four screws, torquing them to 9 in-lbs.
5. Follow the directions in the instrument service guide to replace the A16 Reference assembly

into the instrument.

6. Unless stated otherwise in the Post Repair Procedures chapter of the instrument service guide, perform all the tasks specified for the A16 Reference assembly replacement.

Revision History:

Date	Service Note Revision	Author	Reason for Change
07 Mar 2024	01	Mike Medley	As Published