

MODIFICATION RECOMMENDED

N4010A-12

S E R V I C E N O T E

Supersedes:
NONE

N4010A Wireless Connectivity Test Set

Serial Numbers: MY49080507 / MY49080673

[Note 1: Not all instruments in this range are affected. Refer to page 3 of this Service Note.]

[Note 2: Additional instruments outside of this range are listed on page 3 of this Service Note.]

RF Switch Power/Control Connector Susceptible To Damage

Parts Required:

P/N	Description	Qty.
N4010-61859	RF Switch Kit	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS	LABOR: 1.5 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 01-Feb-2015	
AUTHOR:	FC	PRODUCT LINE: PL13	
ADDITIONAL INFORMATION:			

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Situation:

The instruments identified on page 3 of this Service Note have been manufactured, repaired, or upgraded using RF Switches that have a manufacturing defect.

This defect is due to the dimensions of the power/control connector in relation to the switch housing. If the power/control ribbon cable is disconnected from the switch, then the connector may be pulled out of the housing. See Figure 1.



Figure 1

The probability of the RF Switch failing during normal operation is very low. Vibration and shock tests have also been carried out to confirm that the RF Switch will survive these conditions.

There is a high probability that the RF Switch will be damaged if the instrument is disassembled to carry out a repair.

Solution/Action:

If an instrument identified on page 3 of this Service Note is returned for repair, and this Service Note has not yet been applied, then the RF Switch will be replaced at that time. A permanent marker must be used to identify the newly installed part as follows:

N4010A-12
<Repair Date>

The N4010A must be fully adjusted and verified after the RF Switch has been replaced.

Note:

The RF Switch does not need to be replaced if the instrument has been returned for calibration-only.

If an instrument is found to have a faulty RF Switch and the above markings are already present, then this Service Note will not be applied for a second time. Ensure the existing markings are transferred to the replacement part.

This ensures the Service Note is only applied once to any given instrument.

Affected Instruments In The Serial Number Range MY49080507 / MY49080673

The serial number range on the front page of this Service Note refers to instruments that were newly shipped, but only a subset of these were actually affected by this defect. The instruments listed below are known to be affected:

MY49080507	MY49080596	MY49080621	MY49080641
MY49080560	MY49080603	MY49080622	MY49080643
MY49080561	MY49080604	MY49080623	MY49080645
MY49080563	MY49080605	MY49080624	MY49080646
MY49080581	MY49080606	MY49080626	MY49080651
MY49080584	MY49080607	MY49080627	MY49080658
MY49080585	MY49080608	MY49080628	MY49080659
MY49080588	MY49080609	MY49080630	MY49080662
MY49080589	MY49080610	MY49080631	MY49080665
MY49080590	MY49080612	MY49080632	MY49080666
MY49080591	MY49080613	MY49080634	MY49080667
MY49080592	MY49080614	MY49080636	MY49080670
MY49080593	MY49080615	MY49080637	MY49080673
MY49080594	MY49080619	MY49080639	
MY49080595	MY49080620	MY49080640	

Additional Instruments Covered By This Service Note

This defect also affects RF Switches that were provided to Agilent's service organization – the instruments listed below are at-risk of having been repaired or upgraded using defective material.

MY46320370	MY47230538	MY48100056	MY48100297
MY47070157	MY47230694	MY48100058	MY48100438
MY47230396	MY48100040	MY48100292	MY48100454
MY47230527	MY48100055	MY48100295	MY48370141