

MODIFICATION RECOMMENDED

N4860A-01

S E R V I C E N O T E

Supersedes:
NONE

N4860A Digital RF Stimulus Probe

**Serial Numbers: US47220101 / US47220107
MY47000101 / MY47000105**

Installation of spacer to eliminate grinding fan noise

Parts Required:

P/N	Description	Qty.
0380-2098	Hex Stand-off, M3x18	4
3050-2249	Washer, 0.5 mm thick	2

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	X ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS	LABOR: 0.5 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE X SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP X SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN X SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: August 2009	
AUTHOR:	SM	PRODUCT LINE: 1B	
ADDITIONAL INFORMATION:			

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Situation:

Some units exhibit a mechanical fan noise after shipping/transportation. The root cause of this issue is that the clearance for the fan assembly did not allow for worst case parts tolerances. On the defective units it is likely that the mechanical tolerances of parts allowed for the fan cable to slide out of its routing cavity onto the top of the fan housing during shipment. The cable sliding out of position put extra pressure on the fan housing, causing the deflection of the fan housing that interferes with the rotation of the fan blades.

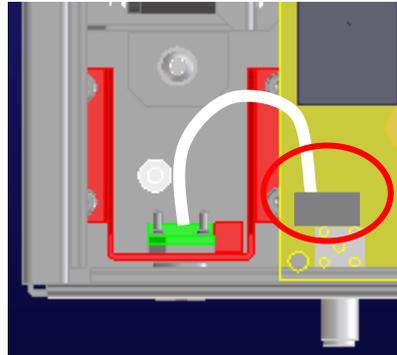
Solution/Action:

If the described noise occurs, follow these steps to upgrade the unit.

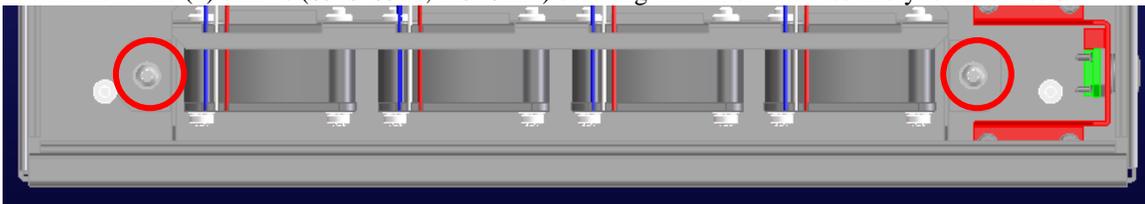
Tools required:

- Torx 10 screwdriver
- Wrench 5mm or 3/16"

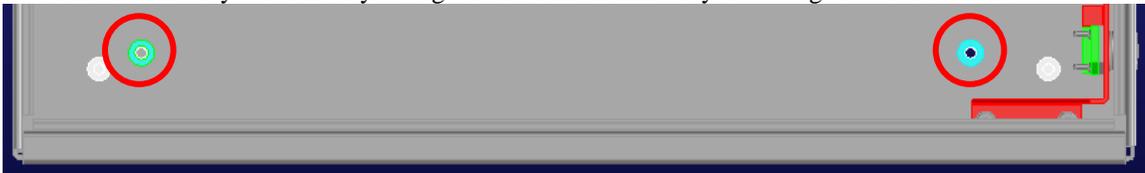
1. Remove the (4) cover screws (0515-0372, M3x8mm). *Set aside for re-use.*
2. Remove the cover
3. Remove the (4) hex stand-off hardware (0380-1631 M3x16mm) securing the PCA into the chassis. *This hex stand-off hardware will be replaced with new hardware upon re-build.*
4. Remove the remaining (5) screws (0515-0372, M3x8mm) securing the PCA into the chassis. *Set aside for re-use.*
5. Unplug power connector cable from PCA



6. Remove PCA
7. Remove the (2) screws (0515-0372, M3x8mm) securing the fan bracket assembly to the chassis



8. Remove the fan bracket.
9. Add the (2) washers (3050-2249, 6mm OD, .5mm thick) to the chassis stand-off and replace the fan bracket assembly – effectively lifting the fan bracket assembly .5mm higher in the chassis.



10. Secure the fan bracket into place with the original (2) screws (0515-0372, M3x8mm).
11. Re-Install the PCA, secure it with the original (5) screws (0515-0372, M3x8mm).
12. Re-connect the power connector to PCA.
13. Install (4) new hex stand-offs (0380-0298).
14. Re-install cover and secure with 4 screws (0515-0372, M3x8mm)