

N9038A-01

S E R V I C E N O T E

Supersedes:
NONE

N9038A MXE EMI Receiver

Serial Numbers: ALL

Front Frame Assembly Changes with Switch from CCFL to LED Backlit Display

Parts Required:

P/N	Description	Qty.
NONE		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
INFORMATION ONLY	
<input type="checkbox"/> Calibration Required	PRODUCT LINE: 12
<input checked="" type="checkbox"/> Calibration NOT Required	AUTHOR: MM
ADDITIONAL INFORMATION:	

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PRINTED IN U.S.A.

October 1, 2012

Rev. 20



Agilent Technologies

Situation:

As of serial number prefix MY5226 or SG5226 the liquid crystal display panel of the N9038A MXE EMI Receiver changed from a CCFL (fluorescent) backlight to a LED backlight. This requires not only a change to the part number of the display itself, but also to the backlight power supply, cabling, mounting bracket, and the A1A2 Front Panel Interface board assembly. None of these parts can be mixed with parts for the other backlight type.

Before the replacement of the A1A2 Front Panel Interface board, the A1A3 Liquid Crystal Display, or any of the other parts listed in this note, you must know which display type is installed in the instrument being repaired.

Solution/Action:

Determine which display backlight type you are working with before ordering any needed replacement parts. This can be done by comparing the backside of the front frame assembly to Figure 1 and Figure 2 below. The notable difference between the two is that the CCFL backlit display has a much larger A1A4 Backlight Power Supply mounted to the backside of the A1MP14 Display Bracket, while the backlight power supply for the new LED backlit display is much smaller and attaches to the front of the bracket, making it unseen without taking the assembly apart.

Figure 1: CCFL Backlight [Serial Number Prefix Less Than MY/SG5226]

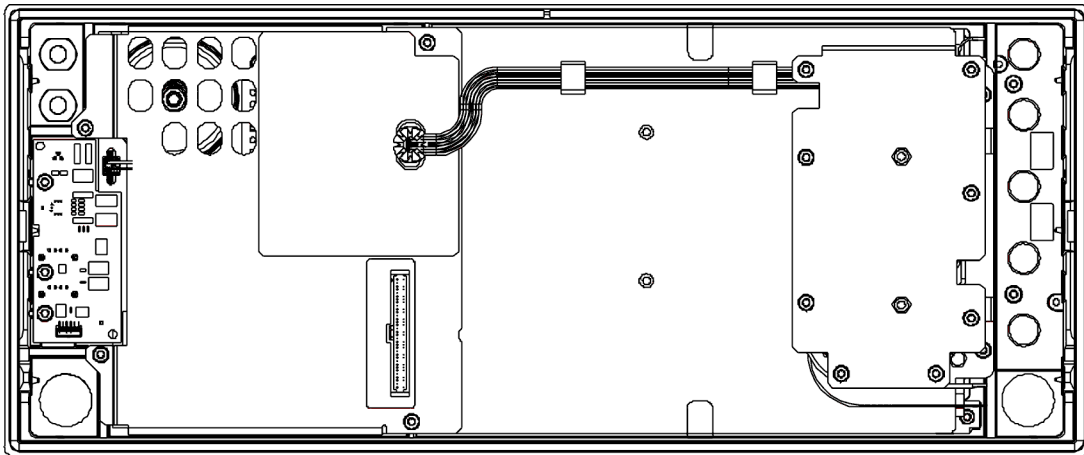
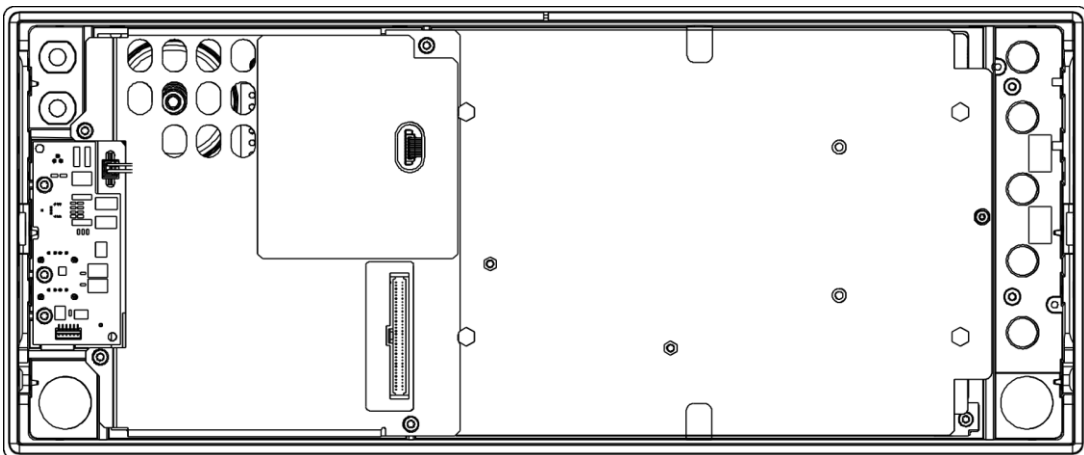


Figure 2: LED Backlight [Serial Number Prefix Greater Than or Equal To MY/SG5226]



The part numbers for the affect lower level parts in the front frame assembly are:

Reference Designator	Description	Part Number	
		CCFL Backlight <MY/SG5226	LED Backlight ≥MY/SG5226
A1A2	Front Panel Interface Board	W1312-63092	W1312-60137
A1A3	Liquid Crystal Display	2090-1021	2090-0997
A1A4	Backlight Power Supply	0950-4635	0950-5235
A1W1	Display Control Ribbon Cable	W1312-60010	W1312-60122
A1W2	Backlight Power Supply Cable	W1312-60113	W1312-60130
A1W3	Backlight Power Cable	N/A	W1312-60131
A1MP14	Display Bracket	W1312-00115	W1312-00145

The service guide for the N9038A does not currently include this information or these updated part numbers, however it will with the next revision. For the latest N9038A service guide updates please visit:

<http://sa.tm.agilent.com/EMC/N9038A/service>

If any of the parts on a CCFL backlit display front frame listed in the table above need to be replaced the display does not need to be updated to the LED backlit display. All lower level parts for both display types, including the LCD itself, are still readily available. At some point in the future the supply of parts for the CCFL backlit front panel will run out and an update may be required, but doing so before then will only add unnecessary cost to the customer.