

N5181A-10

Information Only Service Note

Supersedes:
None

N5181A MXG Analog Signal Generator

Serial Numbers: ALL

The Problem – The N5180-60110 Front Panel Replacement Kit is No Longer Available

Parts Required:

P/N	Description	Qty.
N5180-60266	Front Panel Replacement Parts Kit	1

Situation:

ADMINISTRATIVE INFORMATION

<input type="checkbox"/> Calibration Required	PRODUCT LINE: 15
<input checked="" type="checkbox"/> Calibration NOT Required	AUTHOR: MM

ADDITIONAL INFORMATION:

New front panel LCDs for this instrument are no longer available, so the complete front panel replacement kit, part number N5180-60110, can no longer be provided. However, all the lower level parts will still be available for replacement in one form or another, if needed.

Solution/Action:

Table 1 shows all the lower level parts that were included in the discontinued N5180-60110 Front Panel Replacement kit, along with the current part numbers that can be used to order these parts.

Table 1 – Discontinued Front Panel Replacement Kit Contents – N5180-60110

Part Number	Qty	Description	Order As
0950-4111	1	Backlight Inverter, 5-WATT 1-Output	N5180-60025
1000-1515	1	Filter EMI Display 159.70X67.30X1.90-mm	N5180-60413 ¹
1460-2022	1	Spring, Compression .18-in-OD .5-in-LG	N5180-60413 ¹
2090-0908	1	Display LCD, 6.2-in 640X240-Pixels	N5180-69465
5041-9170	2	Trim-FR FR Side 1 Each	5041-9170
8121-1380	1	Cable-Assembly, Ribbon, LCD Control	8121-1380
8121-1382	1	Cable-Assembly, Ribbon, Keypad Control	8121-1382
8121-1383	1	Cable-Assembly, Harness, Power Switch	8121-1383
8160-0660	1	RFI Round Strip Steel	8160-0660
8160-1801	1	EMI-RFI Gasket Shielding 0.078-in-DIA	N5180-60266
N1912-61002	1	Cable-Assembly, Backlight	N1912-61002
N5180-00004	1	Shield, Inverter	N5180-60025
N5180-20107	1	Front Frame	N5180-60266
N5180-40002	1	Keypad, Main	N5180-60021
N5180-63004	1	PCA, Front Panel Interface	N5180-60025
N5180-80002	1	Overlay, Front Panel Keypad, Analog	N5180-60266
N5180-80023	1	Overlay, Front Panel, Left Side	N5180-80023
N5180-80027	1	Nameplate, N5181A 1 GHz	N5180-80027
N5180-80028	1	Nameplate, N5181A 3 GHz	N5180-80028
N5180-80029	1	Nameplate, N5181A 6 GHz	N5180-80029
W1312-00032	1	Front Subpanel	N5180-60266
W1312-40011	1	Display Boot	N5180-60266
W1312-40012	1	Display Hold Down	N5180-60266
W1312-40013	1	Keypad, Power Switch	N5180-60022
W1312-40017	1	Knob, RPG Large	W1312-40017
W1312-63013	1	PCA, USB	N5180-60023
W1312-63017	1	PCA, Power Switch	N5180-60022
W1312-63020	1	PCA, Keypad	N5180-60021

¹ The N5180-60413 kit includes the parts listed along with others that were not designed for this instrument. Use the parts needed and discard the rest.

As can be seen in Table 1, a new front panel replacement parts kit has been created to provide the parts needed if the front frame casting itself needs to be replaced. This new kit replaces the discontinued N5180-60110 kit but will not include all the lower level parts that were in the previous kit. It will only contain the parts listed in Table 2. If any other parts are needed, they will need to be ordered separately, using the “Order As” part numbers shown in Table 1.

Table 2 – New Front Panel Replacement Parts Kit Contents – N5180-60266

Part Number	Qty	Description
8160-1801	1	EMI-RFI Gasket Shielding 0.078-in-DIA
N5180-20107	1	Front Frame
N5180-80001	1	Overlay, Main Keypad, Digital
N5180-80002	1	Overlay, Main Keypad, Analog
N5180-80011	1	Overlay, Nameplate, 20 GHz
N5180-80012	1	Overlay, Nameplate, 40 GHz
N5180-80013	1	Overlay, Main Keypad, Microwave
N5180-80014	1	Overlay, Nameplate, 32 GHz
N5180-80023	1	Overlay, Front Panel, Left Side
N5180-80025	1	Nameplate, N5182A 3 GHz
N5180-80026	1	Nameplate, N5182A 6 GHz
N5180-80027	1	Nameplate, N5181A 1 GHz
N5180-80028	1	Nameplate, N5181A 3 GHz
N5180-80029	1	Nameplate, N5181A 6 GHz
W1312-00032	1	Front Subpanel
W1312-40011	1	Display Boot
W1312-40012	1	Display Hold Down

The N5180-60266 Front Panel Replacement Parts kit will contain parts that will not be used or needed for all repairs. These parts can be discarded or used for future repairs on other instruments. The majority of these will be nameplates. Be sure to select the correct nameplate from the kit for the instrument model and frequency range being repaired.

Revision History:

Date	Service Note Revision	Author	Reason for Change
29 Jul 2020	01	Mike Medley	As Published