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S E R V I C E N O T E

SUPERSEDES: None

8970B Option 020 Noise Figure Meter

Serial Numbers:0000A00000 / 9999Z99999

Main Differences between Standard 8970B and 8970B Option 020.

Situation:

There are considerable differences between the parts used in the Standard 8970B, 10 to 1600 MHz Noise Figure Meter, and the 8970B Option 020, 10 to 2047 MHz Noise Figure Meter. In some cases these differences have not been highlighted enough.

Continued

DATE: January 1999

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
BC	E600	

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Solution / Action:

There is a Service Manual Supplement available (P/N 08970-90115), Which describes all the differences between the units, this manual is available in pdf format on the QMD Service Support Web. The main component differences are as follows:

8970B Option 020 Material List - main differences for Option 020

Description	Part Number	Qty	Note
2.05 GHz Low Pass Filter	0955-0634	1	
Semi-rigid cable W1	08970-20082	1	
Input Assembly	08970-60097	1	
Input Assembly	08970-60125	1	1
2 to 8 GHz YTO	0955-0630	1	
YTO Interface Board	08970-60045	1	
YTO Shield	08590-00047	1	
Semi-rigid cable W2	08970-20081	1	
Semi-rigid cable W3	08970-20083	1	
Semi-rigid cable W4	08970-20085	1	
Microwave Mixer	0955-0635	1	
Semi-rigid cable W5	08970-20084	1	
Microwave Isolator	0960-0638	1	
Angle SMA(F)/SMA(M) Adapter W6	1250-1249	1	
4.5 GHz Low Pass Filter	9135-0169	1	
SMA(M) to SMA(M) Adapter W7	1250-2189	1	
Second Converter	5086-7909	1	
600 MHz SAW Oscillator	08970-60093	1	
Flexi Cable W8	83711-60035	1	
Flexi Cable W9	83711-60035	1	
Main Wiring Harness	08970-60046	1	2
Firmware EPROM’	08970-80071/72	2	3
20 MHz IF Assembly	08970-60050	1	4
Driver Board Assembly	08970-60089	1	5
SMA (M) 50 ohm Termination	0960-0053	1	

Notes:

1. Replaces 08970-60097 from prefix break 3811.
2. This is the same part number as the main instrument but different wires are used. The wires that are not used are tied back.
3. These replace 08970-80051/52
4. Replaces 08970-60003
5. Replaces 08970-60034

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