

WJ-861X RECEIVER

APPENDIX N

WJ-861X DIRECTION FINDER CONTROL (DFC) OPTION

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WARNING

This equipment utilizes voltages which are potentially dangerous and may be fatal if contacted. Exercise extreme caution when working with the equipment with any protective cover removed.

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APPENDIX N

WJ-861X DIRECTION FINDER CONTROL (DFC) OPTION

N.1 GENERAL DESCRIPTION

The Direction Finder Control (DFC) option provides a control line to the WJ-8971A Series DF. This control line alerts the DF that the receiver has switched phase sense due to a UHF/VHF greater than 500 MHz band change.

N.2 INSTALLATION

Installation of the 861XB/DFC option consists of connecting cable (DFC-W1) to connector (J6A) on the Digital Motherboard. J6A pin 5 is the voltage line and pin 6 is ground. Cable (DFC-W1) is routed to the rear panel and is connected to the Option Out connector (J5) pin 3. Refer to **Figure N-1** for the (DFC-W1) cable diagram.

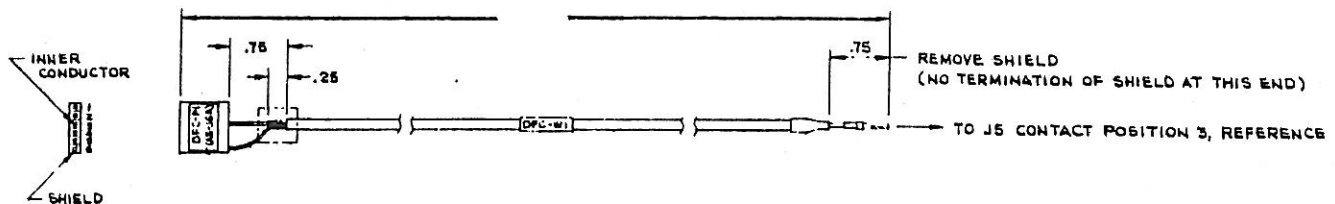


Figure N-1. 861XB/DFC-W1 Cable Diagram

N.3 OPERATION

Operation of the WJ-861XB/DFC Direction Finder Control option is the same as the normal operation of the receiver. When the WJ-8971A Series DF is utilized, the WJ-861XB/DFC option provides a voltage alerting the DF that the receiver has switched phase sense because of a band change over 500 MHz. A nominal voltage of -10 Vdc is present on the DFC line when the receiver is operating at or below 500 MHz (VHF). A nominal 0 Vdc is present on the DFC line when the receiver is operating above 500 MHz (UHF).

N.4 PARTS LIST

N.4.1 TYPE 861XB/DFC DIRECTION FINDER CONTROL

REF DESIG PREFIX DFC

REF DESIG	DESCRIPTION	QTY PER ASSY	MANUFACTURER'S PART NO.	MFR. CODE	RECM VENDOR
DFC-P1	Revision A Connector, Plug: 6 Position	1	1-87499-1	00779	
DFC-W1	Cable Assembly	1	380329	14632	

