

**ARMY
MARINE CORPS**

**TM 11-5820-882-23
TM 06827A-23/2**

TECHNICAL MANUAL

**ORGANIZATIONAL AND DIRECT SUPPORT
MAINTENANCE MANUAL**

**RADIO SET AN/PRC-68
(NSN 5820-01-079-9260)**

This copy is a reprint which includes current pages from Changes 1

**DEPARTMENTS OF THE ARMY AND THE NAVY,
19 JANUARY 1981**

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HEADQUARTERS DEPARTMENT OF THE ARMY

HEADQUARTERS, US MARINE CORPS

WASHINGTON, DC 19 January 1981

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RADIO SET AN/PRC-68

(NSN 5820-01-079-9260)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Communications-Electronics Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, New Jersey 07703. Marine Corps units should submit a NAVMC 10772. A reply will be furnished to you.

		Paragraph	Page
	HOW TO USE THIS MANUAL		0-1
CHAPTER	1. INTRODUCTION		
SECTION	I. General information	1-1	1-1
	II. Equipment description and data	1-6	1-1
	III. Principles of operation	1-9	1-2
CHAPTER	2. ORGANIZATIONAL MAINTENANCE		
SECTION	I. Repair parts, special tools, TMDE, and support equipment	2-1	2-1
	II. service upon receipt	2-4	2-2
	III. Preventive maintenance checks and services (PMCS).....	2-9	2-8
	IV. Troubleshooting	2-10	2-10
	V. Maintenance procedures	2-13	2-13
	VI. Preparation for storage or shipment	2-19	2-14
CHAPTER	3. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS		
SECTION	I. Repair parts, special tools, TMDE, and support equipment	3-1	3-1
	II. Troubleshooting.....	3-5	3-3
	III. Maintenance procedures.....	3-10	3-15
	IV. Principles of operation.....	3-14	3-17
APPENDIX	A REFERENCES		A-1
APPENDIX	B MAINTENANCE ALLOCATION		
SECTION	I. Introduction.....		B-1
	II. Maintenance allocation chart for Radio set AN/PRC-68.....		B-3
	III. Tool and test equipment requirements for Radio set AN/PRC-68.....		B-4
	IV. Remarks		B-5

		<i>Paragraph</i>	<i>Page</i>
APPENDIX	C	EXPENDABLE SUPPLIES AND MATERIALS LIST	
SECTION	I	Introduction -----	C-1
	II	Expendable supplies and materials list -----	C-2
INDEX		-----	I-1

LIST OF ILLUSTRATIONS

<i>Figure</i>	<i>Title</i>	<i>Page</i>
1-1	Radio Set AN/PRC-68-----	1-0
1-2	Radio Set, Major Components -----	1-3
1-3	Receiver Operation, Simplified Block Diagram -----	1-4
1-4	Transmitter Operation, Simplified Block Diagram -----	1-4
2-1	Radio Set Component Locations, Front View -----	2-1
2-2	Radio Set Component Locations, Rear View -----	2-2
2-3	Battery Test -----	2-10
2-4	Transmitter Power Output Test -----	2-11
2-5	Sensitivity Test -----	2-11
2-6	Radio Set Packaging Diagram-----	2-15
3-1	Maintenance Kit MK-()/PRC-68-----	3-1
3-2	Receiver Troubleshooting Test Setup -----	3-2
3-3	Transmitter Troubleshooting Test Setup -----	3-3
3-4	Receiver Fault Isolation Test Setup -----	3-7
3-5	Receiver Fault Isolation Test Setup (Alternate Procedure)-----	3-7
3-6	Transmitter Fault Isolation Test Setup -----	3-8
3-7	Module Socket Test Point Location, Front -----	3-8
3-8	Module Socket Test Point (E Numbers) Location, Front -----	3-9
3-9	Module Socket Test Point Location, Rear-----	3-9
3-10	Module Removal -----	3-16
3-11	Pin Straightening Procedure -----	3-17
FO-1	Radio Set Block Diagram (2 Sheets)-----	

LIST OF TABLES

<i>Number</i>	<i>Title</i>	<i>Page</i>
2-1	Frequency Chart (Printed on battery)-----	2-3
2-2	Frequency Chart (Switch Code)-----	2-4
2-3	Organizational Preventive Maintenance Checks and Services -----	2-10
2-4	Troubleshooting Procedures -----	2-12
3-1	Maintenance Kit MK-()/PRC-68 Description -----	3-2
3-2	Radio Set Minimum Performance Test -----	3-4
3-3	Fault Isolation Test -----	3-11
3-4	Synthesizer Test Voltages and Frequencies -----	3-15

HOW TO USE THIS MANUAL

- Army maintenance levels and related Marine Corps maintenance levels are as follows:

Operator/Crew	Echelon 1 Maintenance
Organizational	Echelon 2 Maintenance
Direct Support	Echelon 3 Maintenance
General Support	Echelon 4 Maintenance
Depot	Echelon 5 Maintenance
- This manual contains all the necessary information to service Radio Set AN/PRC-68 at the organizational (echelon 2) and direct (echelon 3) support maintenance levels.
- Use the MAC (located in Appx. B) to determine the proper maintenance levels.
- To service Radio Set AN/PRC-68 at organizational (echelon 2) maintenance level, consult chapters 1 and 2.
- To service Radio Set AN/PRC-68 at direct support (echelon 3) maintenance level, consult chapters 1 and 3.



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Figure 1-1. Radio Set AN/PRC-68.

CHAPTER 1
INTRODUCTION

Section I. GENERAL INFORMATION

1-1. Scope

This manual describes Radio Set AN/PRC-68 (fig. 1-1) and provides instructions for organizational and direct support maintenance. Maintenance allocation chart (MAC) is included in appendix B.

1-2. Maintenance Forms, Records, and Reports

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by TM 38-750. The Army Maintenance Management System. Marine Corps units should refer to the current edition of TM 4700-15/1.

1-3. Destruction of Army Materiel to Prevent Enemy Use

Demolition and destruction of electronic equipment will be under the direction of the commander and in accordance with TM 750-244-2.

1-4. Preparation for Storage or Shipment

Refer to Chapter 2, section VI for administrative storage instructions.

1-5. Reporting Equipment Improvement Recommendations (EIR)

EIR can and must be submitted by anyone who is aware of an unsatisfactory condition with the equipment design or use. It is not necessary to show a new design or list a better way to perform a procedure, just simply tell why the design is unfavorable or why a procedure is difficult. EIR maybe submitted on standard Form (SF) 368 (Quality Deficiency Report). Mail directly to Commander, US Army Communications - Electronics Command, ATTN: DRSEL-ME- MQ, Fort Monmouth, NJ 07703. Marine Corps units mail to Commanding General, Marine Corps Logistics Base (P840), Albany, GA 31704. A reply will be furnished to you.

Section II. EQUIPMENT DESCRIPTION AND DATA

1-6. Equipment Characteristics, Capabilities, and Features

Radio Set AN/PRC-68 (radio set) is a hand-held receiver-transmitter that provides ground-to-ground voice communications in the 30 megahertz (MHz) to 79.95 MHz band. The unit is capable of secure speech operation when it is used with the secure voice module (svm). The radio set can be used with a short or long antenna, with a standard military handset such as H-138/U, H-189/U or H-250/U, or with its built-in speaker-microphone.

1-8. Equipment Data

GENERAL

Frequency	30.00 MHz—79.95 MHz
Available channels	1000
Channel spacing	50 kHz
Preset channels	10
Preset channel spacing	200 kHz
Modulation	frequency modulation (fmo)
Range	
Short antenna	330 yards (300 meters)

Long antenna	1 mile (1.6 Kilometers)
Operating temperature range	- 40°F to + 159°F (-40°C to + 65°C)
Weight (including battery and antenna, no headset)	40oz. (1.30 kg)
Size	8.35 in (212.0 mm)
	x 3.80 in (96.0 mm)
	x 1.52 in (38.6 mm)