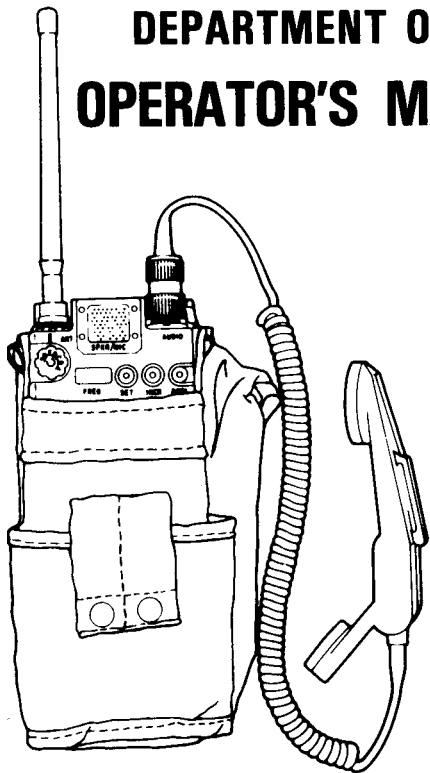


TM 11-5820-1025-10
DEPARTMENT OF THE ARMY
OPERATOR'S MANUAL



**EQUIPMENT
DESCRIPTION**
Page 1-3

**PMCS
PROCEDURES**
Page 2-10

**OPERATION
UNDER USUAL
CONDITIONS**
Page 2-12

RADIO SET AN/PRC-126
(NSN 5820-01-215-6181)

1 FEBRUARY 1988

Distribution authorized to the Department of Defense and DOD contractors only for official use or for administration or operational purposes. This determination was made on 27 October 1987. Other requests for this document will be referred to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-ME-P, Fort Monmouth, NJ 07703-5000.

DESTRUCTION NOTICE – Destroy by any method that will prevent disclosure of contents or reconstruction of the document.

WARNING

A lithium-sulfur dioxide (Li-SO₂) battery used with the AN/PRC-126 Radio Set contains pressurized sulfur dioxide (SO₂) gas. The gas is toxic, and the battery **MUST NOT** be abused in any way which may cause the battery to rupture.

DO NOT heat, short circuit, crush, puncture, mutilate, or disassemble batteries.

DO NOT USE any battery which shows signs of damage, such as bulging, swelling, disfigurement, brown liquid in the plastic wrap, a swollen plastic wrap, etc.

DO NOT test Li-SO₂ batteries for capacity.

DO NOT recharge Li-SO₂ batteries.

If the battery compartment becomes hot to the touch, if you hear a hissing sound (i.e., battery venting), or smell irritating sulfur dioxide gas, **IMMEDIATELY** Turn Off the equipment. Remove the equipment to a well ventilated area or leave the area.

DO NOT use a Halon type fire extinguisher on a lithium battery fire.

WARNING

In the event of a fire, near a lithium battery (ies), rapid cooling of the battery (ies) is important. Use a carbon dioxide (CO₂) extinguisher. Control of the equipment fire, and cooling, may prevent the battery from venting and potentially exposing lithium metal. In the event that lithium metal becomes involved in fire, the use of a graphite based Class D fire extinguisher is recommended, such as Lith-X or MET-L-X.

DO NOT use water to extinguish Li-SO₂ battery fires if a Shock hazard exists due to high voltage electrical equipment in the immediate vicinity (i.e., greater than 30 volts, alternating current (ac) or direct current (dc)).

DO NOT store lithium batteries with other hazardous materials and keep them away from open flame or heat.

CAUTION

DO NOT store batteries in unused equipment for more than 30 days. Contact your local Fire Department for selection and approval of lithium battery storage areas, and selection of appropriate fire extinguishing equipment. Store lithium batteries in a cool (i. e., less than 130 degrees F), dry, well ventilated area. For bulk storage use a sprinkler protected area, and as a second choice store in a non-combustible area.

A rectangular sign with a decorative, serrated border. The word "CAUTION" is written in the center in a bold, sans-serif font.

CAUTION

DO NOT dispose of lithium batteries with ordinary trash/refuse. Turn in batteries to your local serving Defense Reutilization and Marketing Office.

Only use batteries (items 1, 2 or 3, App. D) which have been authorized for this equipment.

Hold onto both RT unit and SVM when loosening securing screws.

Do not key transmitter with antenna connector shorted out.

HOW TO USE THIS MANUAL

This is a quick reference manual that has been written just for you. Become familiar with its contents so that you will be able to find what you need quickly.

This manual will show you how to:

- OPERATE
- MAINTAIN

YOUR RADIO SET AN/PRC-126

It is small enough to fit in your pocket so you can always have it ready for quick reference. After you have had some time to use it, take a moment to let us know what you think about it.

TECHNICAL MANUAL
No. 11-5820-1025-10

Headquarters,
Department of the Army
Washington, DC, 1 February 1988

OPERATOR'S MANUAL
RADIO SET AN/PRC-126
(NSN 5820-01-215-6181)

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 2028-2 directly to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-ME-MP, Fort Monmouth, New Jersey 07703-5000. A reply will be furnished to you.

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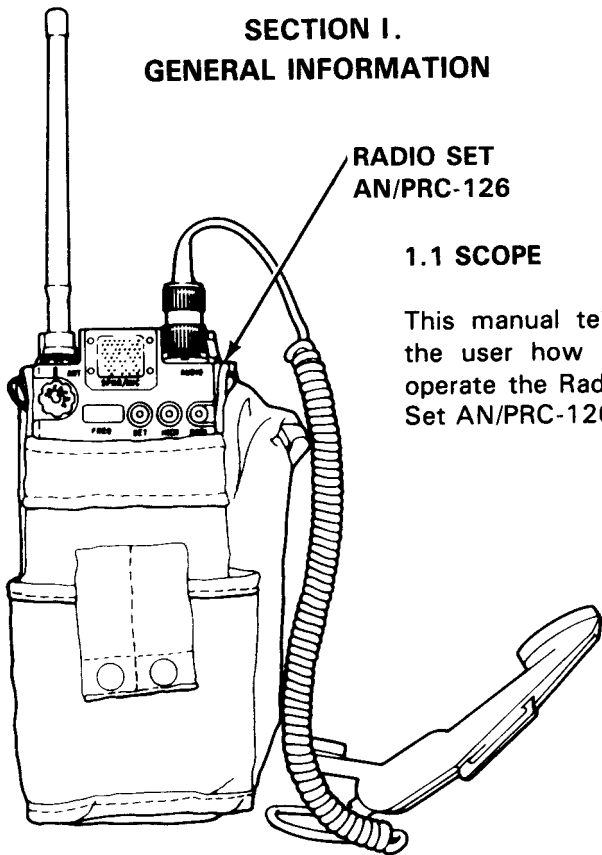
CHAPTER 1
INTRODUCTION

SECTION I.
GENERAL INFORMATION

**RADIO SET
AN/PRC-126**

1.1 SCOPE

This manual tells the user how to operate the Radio Set AN/PRC-126.



1-2. MAINTENANCE FORMS, RECORDS, AND REPORTS

a. Reports of Maintenance and Unsatisfactory Equipment. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750, as contained in Maintenance Management Update.

b. Report of Packaging and Handling Deficiencies. Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2/DLAR 4140.55/NAVMATINST 4355.73B/AFR 400-54/MCO 4430.3H.

c. Discrepancy in Shipment Report (DISREP) (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33C/AFR 75-18/MCO P4610.19D/DLAR 4500.15.

1-3. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR's)

If your AN/PRC-126 Radio Set needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about the design. Put it on an SF 368 (Quality Deficiency Report). Mail it to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-PA-MA-D, Fort Monmouth, New Jersey 07703-5000.

1-4. WARRANTY INFORMATION

The AN/PRC-126 Radio Set is warranted by Magnavox Government and Industrial Electronics Company for 24 months after shipment or 90 days after deployment, whichever comes first. Report all defects in material or workmanship to your supervisor, who will take appropriate action through your organizational maintenance shop.

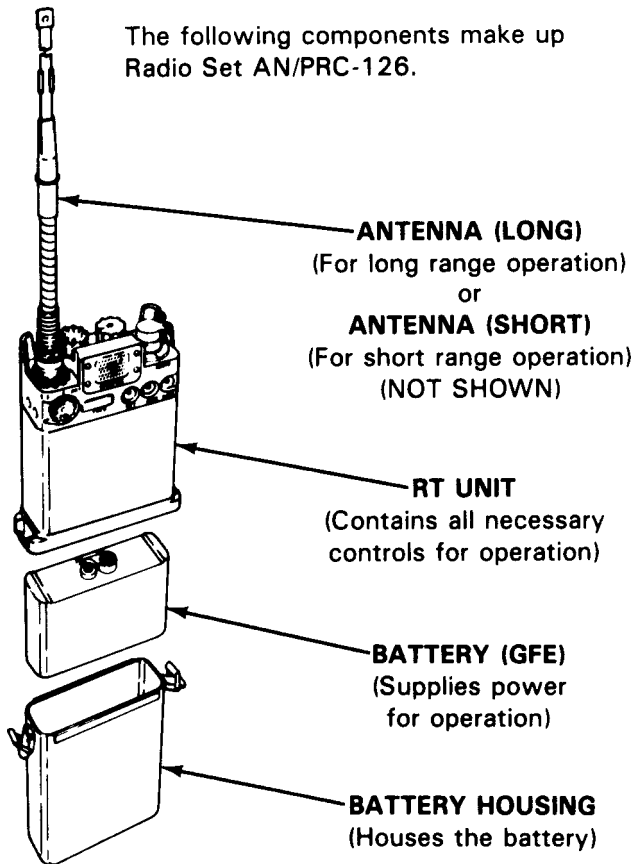
SECTION II. EQUIPMENT DESCRIPTION

1-5. PURPOSE AND USE OF RADIO SET AN/PRC-126

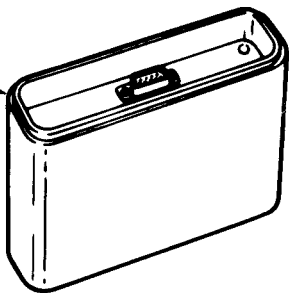
Radio Set AN/PRC-126 is a hand-held receiver-transmitter that provides two-way radio telephone communications. When used with the TSEC/KYV-2A Secure Voice Module (SVM), it also has the capability of providing secure speech operation.

1-6. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

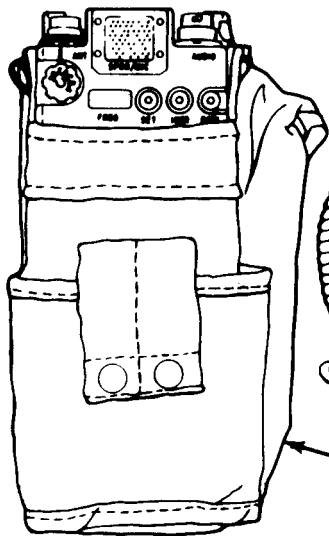
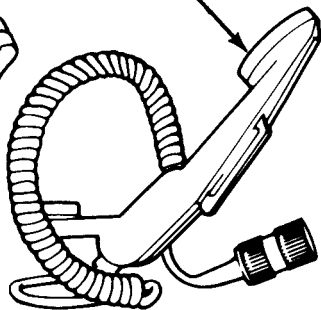
The following components make up
Radio Set AN/PRC-126.



**SECURE
VOICE MODULE**
(For secure voice
operation)



HANDSET
(For transmitting
and receiving)



CARRYING POUCH
(For carrying radio)

1-7. EQUIPMENT DATA

General

Frequency	30.000 MHz - 87.975 MHz
Available channels	2320
Channel spacing	25 kHz
Preset channels	10
Preset channel spacing	programmable
Modulation	frequency modulation (fm)
Range	
Short antenna	1648 ft (500 m)
Long antenna	9890 ft (3000m)
Battery Operating Time	
(Standard)	
BA-5588/U Lithium	70 hours
(Optional)	
BA-1588/U Mercury	42 hours
BB-588/Ni-CAD	14 hours
Power output	1 watt

Physical

Weight (Including battery and short antenna, no handset)	2.6 lbs., (1.2 kg)
Size R/T unit including battery	9.97 in. (253.2 mm) x 3.78 in. (96.0 mm) x 1.52 in. (38.6 mm)

Environmental

Operating temperature

range -40°F to + 131°F
(-40°C to + 55°C)

Watertightness ... to a depth of approximately
3 feet (0.91 meters)

1-8. ASSEMBLY AND PREPARATION FOR USE

This radio set was carefully inspected both mechanically and electrically before shipment. It should be physically free of marks or scratches. Upon receipt, inspect the radio set as follows:

a. During unpacking, inspect the radio set for physical damage that may have occurred during shipment. If the equipment has been damaged, report the damage on SF 364, Report of Discrepancies (ROD).

b. Check the radio and supplied accessories against the packing slip to ensure the shipment is complete.

c. Assemble radio set as required in accordance with paragraph 2-7 through 2-10.

CHAPTER 2

OPERATING INSTRUCTIONS

SECTION I.

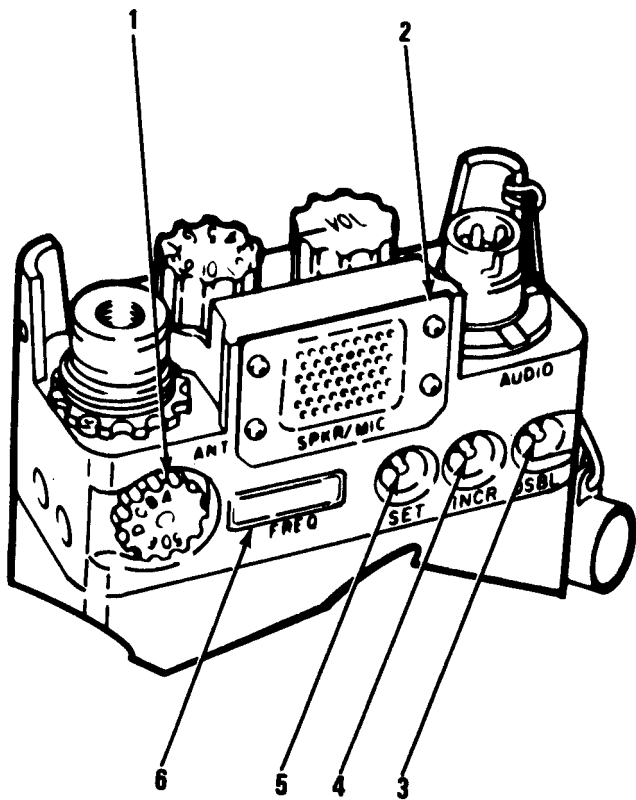
DESCRIPTION AND USE OF OPERATOR'S CONTROLS AND INDICATORS

2-1. GENERAL

You should not attempt to operate Radio Set AN/PRC-126 until you fully understand the operation and function of the controls and indicators. The normal operating procedures are given in Section III of this Chapter.

2-2. CONTROLS AND INDICATORS

The following keyed illustrations and text serve to provide the operator with a basic understanding of the AN/PRC-126 Radio Set controls and indicators.



2-2. CONTROLS AND INDICATORS

Key	Control or Indicator	Function
1	ANT match switch	<p>Selects proper antenna matching network for the operating frequency selected or bypasses antenna matching networks to provide a direct 50Ω output. Warning tone sounds in speaker if match is incorrect. Corresponding frequencies for each switch position are as follows:</p> <p>A = 30-36 MHz B = 36-46 MHz C = 46-54 MHz D = 54-64 MHz E = 64-88 MHz 50 = 50Ω output*</p>

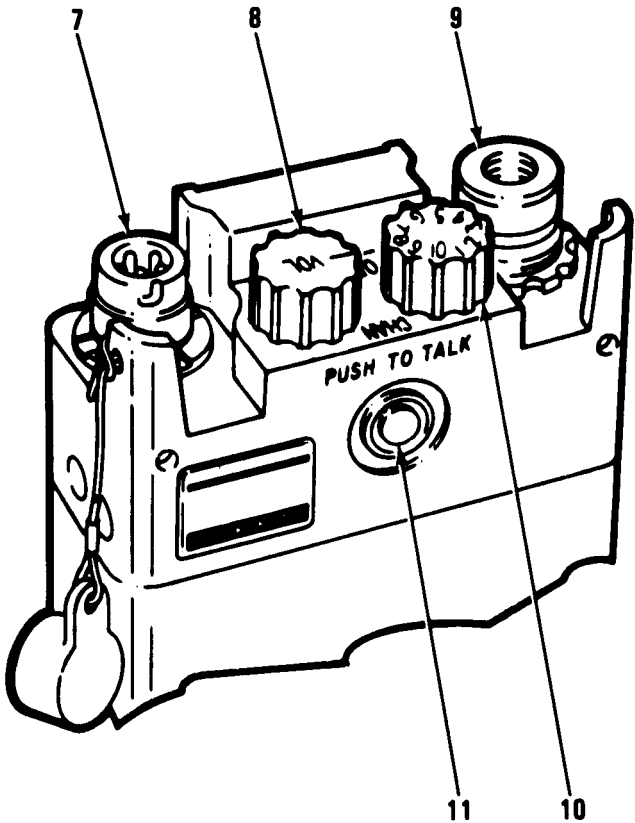
* The 50Ω output is used only when it is desired to connect a 50Ω antenna system. This optional antenna must provide a DC path of 2000Ω or less between the antenna terminal and ground when transmitting or receiving.

2-2. CONTROLS AND INDICATORS - CONT

Key	Control or Indicator	Function
2	SPKR/MIC	Functions as built-in speaker (receive) and microphone (transmit) when external handset is not connected.
3	SQ DSBL button	Pushbutton used to disable radio set squelch circuit (noise will be heard in speaker).
4	INCR button	Pushbutton used during program mode to set value of each digit in display.
5	SET button	Pushbutton used to initiate the program mode, step through digits in display and load new frequency information. Active upon radio turn-on

2-2. CONTROLS AND INDICATORS - CONT

Key	Control or Indicator	Function
5	SET button - (continued)	for 10 secs. After 10 sec period, this switch is used to momentarily light the display.
6	FREQ display	Five-digit Liquid Crystal Display (LCD) used to indicate the selected preset channel frequency. In program mode "LOAD" indicates data previously displayed is now loaded in the selected preset channel memory location.



2-2. CONTROLS AND INDICATORS - CONT

Key	Control or Indicator	Function
7	AUDIO connector	Standard connector for use with external handset H-250/U.
8	OFF/VOL control	Turns radio set ON (CW) or OFF (full CCW). Adjusts level of sound heard from radio set or handset speaker.
9	ANT Connector	Connects antenna or 50 ohm cable to radio set.
10	CHAN selector switch	Selects one of 10 preset operating channels. In programming mode, selects channel to be loaded.
11	PUSH TO TALK (PTT) button	Enables radio set to transmit when pressed.

SECTION II.

PREVENTIVE MAINTENANCE CHECKS AND SERVICES

2-3. GENERAL

To ensure the AN/PRC-126 Radio Set is always ready for operation, it must be inspected as required so that defects may be discovered and corrected before they cause serious damage or failure.

a. **Before you operate.** Always keep in mind the CAUTIONS and WARNINGS. Perform the before (B) PMCS.

b. **While you operate.** Always keep in mind the CAUTIONS and WARNINGS. Perform the during (D) PMCS.

2-4. PMCS PROCEDURES

The Preventive Maintenance checks and services are required to keep your radio set in operating condition. If the radio set does not perform as required, report malfunctions or failures on DA Form 2404 or refer to DA Pam 738-750. An explanation of columns found in the PMCS chart is as follows:

- Interval Column - This column tells you when to do a certain check or service
- Item to be Inspected Column - This column tells you what item to check or service
- Procedure Column - This column tells you how to perform a service or check
- Equipment Not Ready/Available if Column - This column tells you when and why the equipment cannot be used.

OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

ITEM NO.	INTERVAL		ITEM TO BE INSPECTED	PROCEDURES CHECK FOR AND HAVE REPAIRED OR ADJUSTED AS NECESSARY	FOR READINESS REPORTING EQUIPMENT IS NOT READY/AVAILABLE IF:
	B	D			
1	•		Antenna	Not broken, firmly secured.	Broken, loose, or missing
2	•		Operating controls	Not missing or loose, operate smoothly without binding.	Loose, missing or binding.
3	•		Handset	Not broken, firmly secured	Broken, loose, or missing

**OPERATOR PREVENTIVE
MAINTENANCE CHECKS AND SERVICES (PMCS) - CONT**

B-Before

D-During

ITEM NO.	INTERVAL		ITEM TO BE INSPECTED	PROCEDURES CHECK AND HAVE REPAIRED OR ADJUSTED AS NECESSARY	FOR READINESS REPORTING EQUIPMENT IS NOT READY/AVAILABLE IF:
	B	D			
4		•	Basic operation	Unit on, set to assigned channel, communicate with distant station.	Distant station cannot hear you or you cannot hear distant station.
5		•	Battery	Unit on, not transmitting	Speaker emits 4 beeps at 6 sec. intervals, battery near end of life.

SECTION III.

OPERATION UNDER USUAL CONDITIONS

2-5. NORMAL OPERATION.

NOTE

If required, refer to paragraph 2-7 to install battery.

a. Rotate OFF/VOL control CW to turn the radio set on. After a few seconds, the display shows the preset frequency for the selected channel.

b. If new channel number is desired, set CHAN switch to desired channel number. Display will show the preset frequency for the selected channel.

c. After channel selection is made, a warning tone is heard if ANT match switch is not in correct position. Adjust ANT match switch to position which disables warning tone.

NOTE

If required, refer to paragraph 2-6 to load new preset frequencies.

d. If battery voltage is low, four 400 Hz tones at 6 second intervals will be heard. Replace battery in accordance with paragraph 2-7.

e. **Press and hold** the SQ DSBL pushbutton. Adjust the OFF/VOL control for desired listening level. Release SQ DSBL pushbutton to disable speaker noise.

f. The radio set is now ready to operate.

g. Press PUSH TO TALK (PTT) button to transmit, release to receive.

h. Rotate OFF/VOL control fully CCW to turn the radio set OFF.

2-6. CHANNEL REPROGRAMMING

a. Set CHAN switch to the channel number to be reprogrammed.

b. Turn radio off and then on and press SET button within 10 seconds.

c. Radio set is now in program mode. The display indicates the left-most digit of the old frequency. (The display is also lighted)

d. Press INCR button until the display indicates the desired digit of the new frequency.

e. Press SET button. The next digit to the right is displayed.

f. Repeat steps d and e until all digits are set for the new frequency.

NOTE

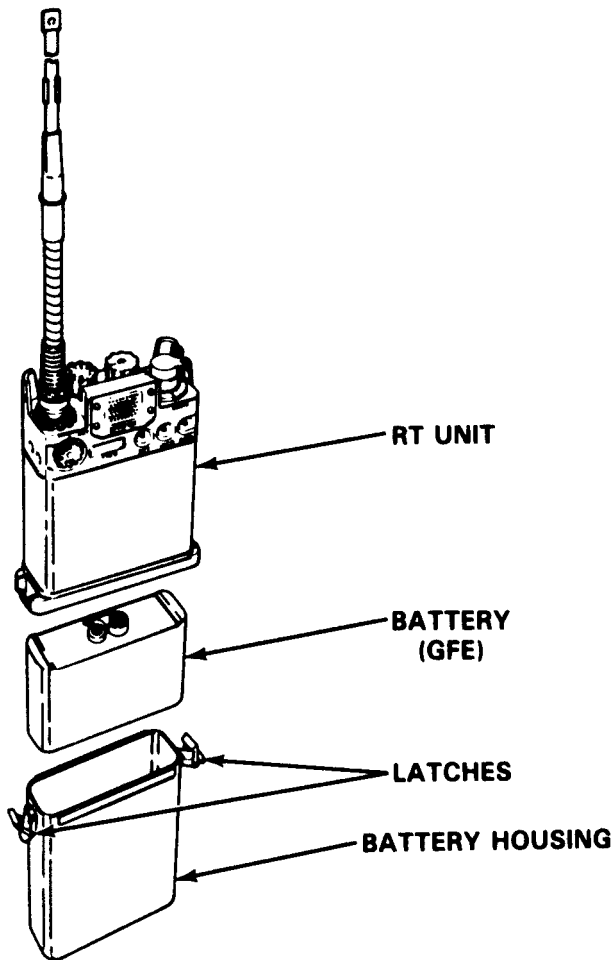
The fourth and fifth digit of the frequency display increment is in 25 kHz steps.

g. Press SET button. "LOAD" is displayed. Channel is now loaded with the new frequency.

h. Repeat steps a through g to reprogram other channels.

NOTE

If less than 10 secs lapse between loading of one channel and beginning the programming of the next channel, the radio set does not need to be turned off and back on to activate the programming mode. If at any time, more than 10 secs lapse after a channel is programmed, turn radio off and then back on to reactivate programming mode.



2-7. BATTERY INSTALLATION/REMOVAL

To install a battery in the radio set, perform the following steps:

WARNING

A lithium-sulfur dioxide (Li-SO₂) battery used with the AN/PRC - 126 Radio Set contains pressurized sulfur dioxide (SO₂) gas. The gas is toxic, and the battery **MUST NOT** be abused in any way which may cause the battery to rupture. See the **WARNING** page of this manual.

DO NOT heat, short circuit, crush, puncture, mutilate, or disassemble batteries.

DO NOT USE any battery which shows signs of damage, such as bulging, swelling, disfigurement, brown liquid in the plastic wrap, a swollen plastic wrap, etc.

DO NOT test Li-SO₂ batteries for capacity.

DO NOT recharge Li-SO₂ batteries.

WARNING

If the battery compartment becomes hot to the touch, if you hear a hissing sound (i.e., battery venting), or smell irritating sulfur dioxide gas, IMMEDIATELY Turn Off the equipment. Remove the equipment to a well ventilated area or leave the area.

DO NOT use a Halon type fire extinguisher on a lithium battery fire.

In the event of a fire, near a lithium battery(ies), rapid cooling of the battery(ies) is important. Use a carbon dioxide (CO₂) extinguisher. Control of the equipment fire, and cooling, may prevent the battery from venting and potentially exposing lithium metal. In the event that lithium metal becomes involved in fire, the use of a graphite based Class D fire extinguisher is recommended, such as Lith-X or MET-L-X.

DO NOT use water to extinguish Li-SO₂ battery fires if a Shock hazard exists due to high voltage electrical equipment in the immediate vicinity (i.e., greater than 30 volts, alternating current (ac) or direct current (dc)).

WARNING

DO NOT store lithium batteries with other hazardous materials and keep them away from open flame or heat.

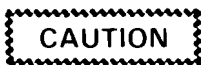
CAUTION

DO NOT store batteries in unused equipment for more than 30 days. Contact your local Fire Department for selection and approval of lithium battery storage areas, and selection of appropriate fire extinguishing equipment. Store lithium batteries in a cool (i.e., less than 130 degrees F), dry, well ventilated area. For bulk storage use a sprinkler protected area, and as a second choice store in a non-combustible area.

DO NOT dispose of lithium batteries with ordinary trash/refuse. Turn in batteries to your local serving Defense Reutilization and Marketing Office.

Only use batteries (items 1, 2 or 3, App. D) which have been authorized for this equipment.

a. Unfasten latches on battery housing; remove battery housing and old battery (if installed). (Handle case carefully as damaged case will not seal properly.)



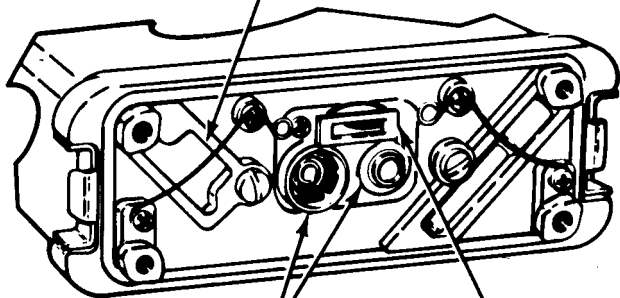
Ensure the Secure Voice Module (SVM) shorting plug (located next to the battery terminal connector in the RT unit as shown in illustration on page 2-21), is installed and in good condition. The radio set will not work unless the shorting plug or an SVM is installed.

b. Apply thin coat of silicon compound (item 4 App. D) to rubber seal on bottom of RT unit.

c. Plug battery (items 1, 2 or 3, App. D) into mating connector on RT unit.

d. Replace battery housing and secure with the two latches.

**SVM SHORTING
PLUG STORAGE
CAVITY**



**BATTERY
TERMINALS**

**(SVM)
SHORTING PLUG**

**RT UNIT
BOTTOM VIEW**

2-8. SECURE VOICE MODULE (SVM) INSTALLATION AND REMOVAL

INSTALLATION INSTRUCTIONS

a. Set PWR switch to OFF. Unfasten latches on battery housing; remove housing and disconnect battery.

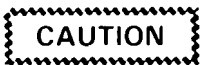
b. Unplug SVM shorting plug and store in storage cavity. (Refer to illustration on page 2-20 for location.)

c. Apply a thin coat of silicone compound (item 4, App. D) to rubber seal on bottom of RT unit; install SVM and secure to RT unit by tightening the two captive securing screws. (Refer to illustration on page 2-25 for locations.)

d. Apply a thin coat of silicone compound (item 4, App. D) to rubber seal on bottom of SVM; install battery and battery housing, and secure with latches.

REMOVAL INSTRUCTIONS

a. Set PWR Switch to OFF. Unfasten latches on battery housing; remove case and disconnect battery.



Hold onto both RT unit and SVM when loosening securing screws.

- b. Loosen the two captive, securing screws on bottom of SVM and disconnect SVM from RT Unit.



Ensure the Secure Voice Module (SVM) shorting plug (located next to the battery terminal connector on the RT unit as shown in illustration on page 2-20), is installed and in good condition. The radio set will not work unless the shorting plug or an SVM is installed.

- c. Remove SVM shorting plug from storage cavity and insert into connector as shown on page 2-20.
- d. Apply a thin coat of silicone compound (item 4, App. D) to rubber seal on bottom of RT Unit; install battery and battery housing, and secure with latches.

2-9. HANDSET INSTALLATION/REMOVAL

INSTALLATION

- a. Remove radio audio connector dust cover.
- b. Mate handset connector and audio connector with keyways aligned.
- c. Press and rotate handset connector collar clockwise until connectors are securely mated (hand tight).

REMOVAL

- a. Press and rotate handset connector collar counterclockwise.
- b. Separate connectors.
- c. Install dust cover on radio audio connector.

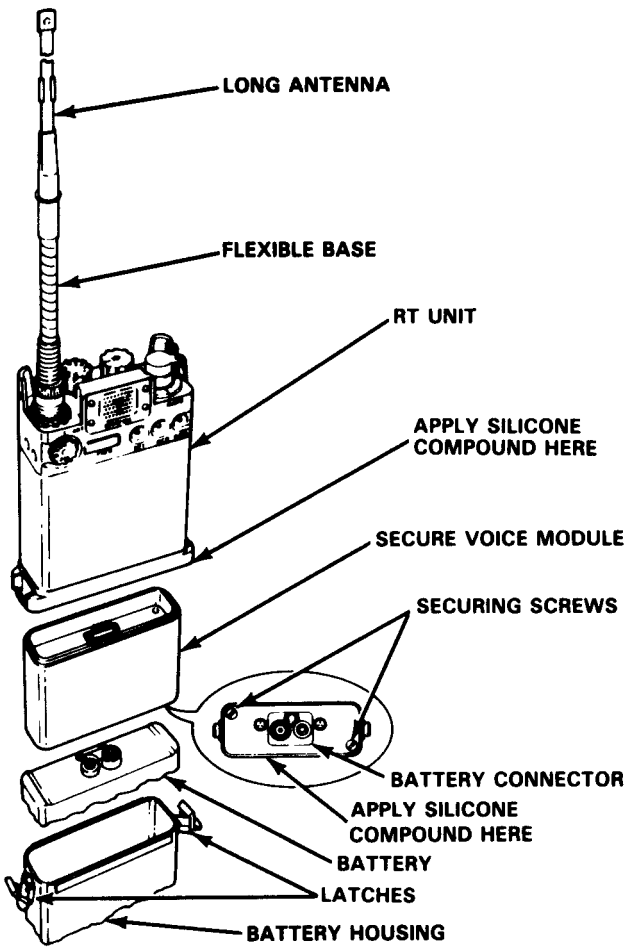
2-10. ANTENNA (LONG OR SHORT) INSTALLATION/REMOVAL

INSTALLATION

- a. Mate antenna (including flexible antenna base for long antenna only) to ANT connector on radio.
- b. Rotate clockwise until secure (hand tight).

REMOVAL

- a. Grasp antenna where connectors mate.
- b. Rotate counterclockwise until connectors separate.



SECTION IV.

OPERATION UNDER UNUSUAL CONDITIONS

2-11. OPERATION AT LOW TEMPERATURES

Radio Set AN/PRC-126 can operate to -40 degrees Fahrenheit (-40 degrees Celsius) below zero. However, you must keep the operating controls and connectors free of ice. The same holds true for the antenna as ice on the antenna will reduce or distort the signal. The battery should be kept as warm as possible.

2-12. OPERATION AT HIGH TEMPERATURES

Radio Set AN/PRC-126 can operate to 131 degrees Fahrenheit (55 degrees Celsius) above zero. However, in hot, dry climates, the connectors and operating controls are subject to damage from dust and dirt. When not in use, keep the connectors covered. Keep the operating controls as dust and dirt free as possible. Constant exposure to the sun could cause damage so try to keep the equipment out of the sun as much as possible.

2-13. OPERATION IN TROPICAL CLIMATES

In warm, damp climates, the equipment is subject to damage from moisture and fungi. Wipe all moisture and fungi from the equipment with a dry, lint-free cloth. Should Radio Set AN/PRC-126 happen to fall into water, remember that it is water-tight to a depth of about 3 feet.

2-14. OPERATION DURING JAMMING

A common jamming procedure is the transmission of a strong or annoying signal on your operating channel, making it difficult or impossible for you to maintain communications. Sometimes this signal may be from a friendly station. It is also possible that the unusual noise or interference may be due to a bad Radio Set AN/PRC-126. To check it out, do the following:

- a. Disconnect the antenna in accordance with paragraph 2-10.
- b. Set ANT match switch to 50 position.



Do not key transmitter with antenna connector shorted out.

- c. Short out the antenna connector with available material (e. g., wire or Long Antenna).

d. If you still have noise or interference, you have a bad Radio Set AN/PRC-126. If the noise or interference goes away, you are being jammed. Report jamming as soon as possible to officer in charge. One or more of the following antijamming procedures may allow you to continue operating Radio Set AN/PRC-126.

(1) Try to use a nearby obstruction as a screen. Position yourself so that the obstruction acts as a screen between the radio and the possible source of interference.

(2) Point your radio in the direction of the distant station you are communicating with. Try several positions.

(3) Change the setting of the VOL control. This may raise the level of the desired signal enough to be heard over the jamming signal.

(4) If none of the above works, get permission to change to another channel.

2-15. SECURE VOICE OPERATION

If secure voice operation is required install secure voice module (refer to para 2-8). After secure voice module installation, the radio set is operated in accordance with paragraph 2-5, Normal Operation.

APPENDIX A

REFERENCES

A-1. SCOPE

This appendix lists the forms and publications that are referenced in this manual or that contain information applicable to the operation and maintenance of Radio Set AN/PRC-126.

A-2. FORMS

DA Form 2028-2	Recommended Changes to Equipment Technical Manuals
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DA Form 2404	Equipment Inspection and Maintenance Worksheet
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Standard Form 368	Quality Deficiency Report
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A-3. TECHNICAL MANUALS

DA Pam 738-750	The Army Maintenance Management System (TAMMS)
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A-3. TECHNICAL MANUALS - CONT

DA Pam 25-30	Consolidated Index of Army Publications and Blank Forms
SB11-573	Painting and Preservation Supplies Available for Field Use for Electronics Command Equipment
TM 750-244-2	Procedure for Destruction of Electronics Material to Prevent Enemy Use (Electronics Command)

APPENDIX B

COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LISTS

Section 1. INTRODUCTION

B-1. SCOPE

This appendix lists components of end item and basic issue items for Radio Set AN/PRC-126 to help you inventory items required for safe and efficient operation.

B-2. GENERAL

The Components of End Item and Basic Issue Items Lists are divided into the following sections:

a. Section II. Components of End Item. This listing is for informational purposes only, and is not authority to requisition replacements. These items are part of the end item, but are removed and separately packaged for transportation or shipment. As part of the end item, these items must be with the end item whenever it is issued or transferred between property accounts. Illustrations are furnished to assist you in identifying the items.

b. Section III. Basic Issue Items. These are the minimum essential items required to place Radio Set AN/PRC-126 in operation, to operate it, and to perform emergency repairs.

B-3. EXPLANATION OF COLUMNS

The following provides an explanation of columns found in the tabular listings:

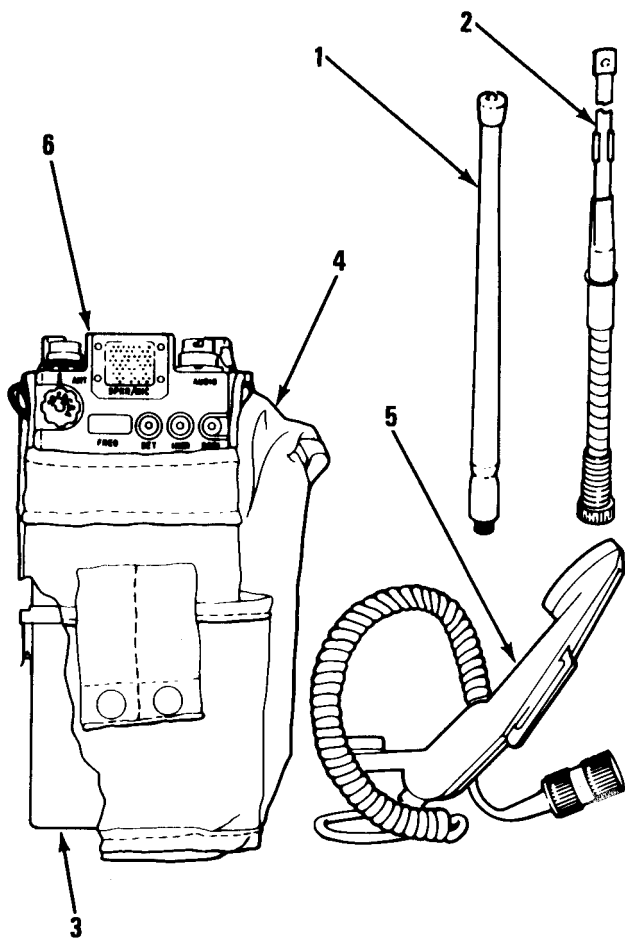
a. Column (1) - Illustration Number (Illus No). This column indicates the reference number of the item as shown on the illustration.

b. Column (2) - National Stock Number. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

c. Column (3) - Description, Indicates the National item name and, if required, a minimum description to identify and locate the item. The last line for each item indicates the FSCM (in parentheses) followed by the part number.

d. Column (4) - Unit of Measure. Indicates the measure used in performing the actual operational/maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr).

e. Column (5) - Quantity required (Qty rqr). Indicates the quantity of the item authorized to be used with/on the equipment.

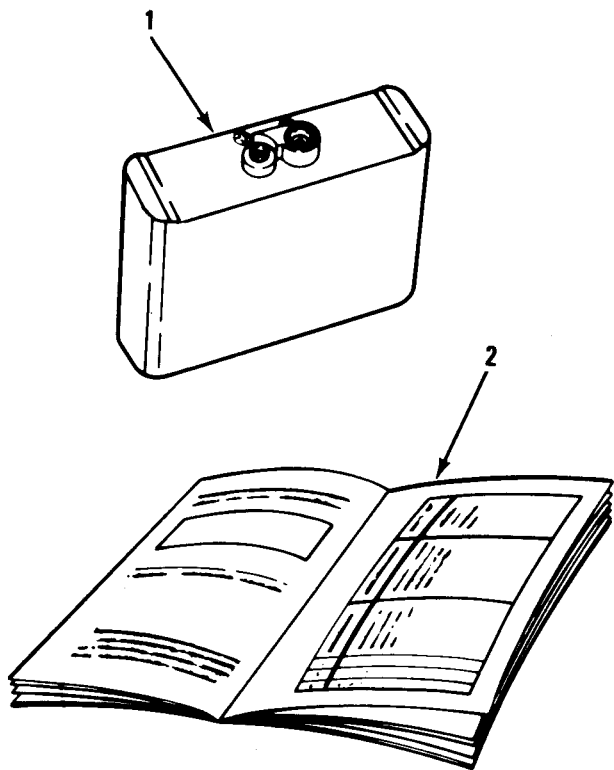


Section II. COMPONENTS OF END ITEM

(1) ILLUS NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION FSCM AND PART NUMBER	(4) UNIT OF MEAS	(5) QTY RQR
1 ✓	5985-01-096-9396	Antenna, Short (37695) AS-4094/ PRC-126	EA	1
2 ✓	5820-00-889-3803	Antenna, Long (37695) AS-3575/ PRC	EA	1
3 ✓	5820-01-225-4069	Battery Housing (37695) 914153-805	EA	1
4 ✓	5820-01-225-4068	Carrying Pouch (37695) 348824-1	EA	1

Section II. COMPONENTS OF END ITEM - CONT

(1) ILLUS NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION FSCM AND PART NUMBER	(4) UNIT OF MEAS	(5) QTY RQR
5	5965-00-043-3463	Handset (37695) H-250/U	EA	1
6	5895-01-256-9639	Receiver Transmitter (37695) RT-1547/PRC-126	EA	1



Section III. BASIC ISSUE ITEMS

(1) ILLUS NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION FSCM AND PART NUMBER	(4) UNIT OF MEAS	(5) QTY RQR
1	6135-01-094-6536	Battery (GFE) (37695) BA-5588/U (Lithium)	EA	1
2	N/A	Publication TM11-5820-1025 -10 (Army)	EA	1

APPENDIX C
ADDITIONAL AUTHORIZATION LIST

Section 1. INTRODUCTION

C-1. SCOPE

This appendix lists additional items you are authorized for the support of Radio Set AN/PRC-126.

C-2. GENERAL

This list identifies items that do not have to accompany Radio Set AN/PRC-126 and that do not have to be turned in with it. These items are all authorized to you by CTA, MTOE, TDA, or JTA.

C-3. EXPLANATION OF LISTING

National stock numbers, descriptions, and quantities are provided to help you identify and request the additional items you need to support this equipment.

Section II. ADDITIONAL AUTHORIZATION LIST

(1) NATIONAL STOCK NUMBER	(2) DESCRIPTION AND PART NUMBER	UNIT OF MEASURE	(4) QTY AUTH
5810-01-160-4999	Secure Voice Module TSEC/KYV-2A	EA	1

APPENDIX D
EXPENDABLE SUPPLIES AND
MATERIALS LIST

Section I. INTRODUCTION

D-1. SCOPE

This appendix lists expendable supplies and materials you will need to operate and maintain the Radio Set AN/PRC-126. These items are authorized to you by CTA 50-970, Expendable Items (Except Medical, Class V, Repair Parts, and Heraldic Items).

D-2. EXPLANATION OF COLUMNS

a. Column(1) - Item number. This number is assigned to the entry in the listing and is referenced in the narrative instructions to identify the material (e.g., "Use cleaning compound, item 5, App. D").

b. Column(2) - Level. This column identifies the lowest level of maintenance that requires the listed item.

- C - Operator/Crew
- O - Organizational Maintenance
- F - Direct Support Maintenance
- H - General Support Maintenance

c. Column(3) - National Stock Number. This is the National stock number assigned to the item; use it to request or requisition the item.

d. Column(4) - Description. Indicates the Federal item name and, if required, a description to identify the item. The last line for each item indicates the Federal Supply Code for Manufacturer (FSCM) in parentheses followed by the part number.

e. Column(5) - Unit of Measure (U/M). Indicates measure used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr). If the unit of measure differs from the unit of issue, requisition the lowest unit of issue that will satisfy your requirements.

Section II. EXPENDABLE SUPPLIES AND MATERIALS LIST

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) UNIT OF MEAS
1	C	6135-01-094-6536	Battery BA-5588/U (Lithium)	1 EA
2	C	6135-01-088-2708	Battery BA-1588/U (Mercury) (Optional Item)	
3	C	6140-01-0911536	Battery BB-588/U (NICAD) (Optional Item)	
4	C	6850-00-177-5094	Silicon Compound	2 oz.
5	C	7920-00-924-5700	Lint Free Cloth	Yard

D-3/(D-4 blank)

By Order of the Secretary of the Army:

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