

TECHNICAL BULLETIN

**WATERCRAFT ELECTRONICS
CONFIGURATION
DIRECTORY**

HEADQUARTERS, DEPARTMENT OF THE ARMY

27 DECEMBER 1982

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No 43-0117



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WATERCRAFT ELECTRONICS CONFIGURATION

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This bulletin supersedes TB 43-0117, 24 February 1976, including all changes

Section I. INTRODUCTION

1. Purpose. This bulletin is published to clarify the requirements for logistics support of electronic systems, subsystems and/or equipments installed in, or in operational support of, Army watercraft and to assist in the planning of such support. It also provides guidance to field unit and major command personnel in the form of Army watercraft electronics configuration data

2. Scope. This bulletin is a formal compilation of pertinent electronic materiel data to provide, so far as possible and practical, a single source handbook of electronic information in ready reference form.

3. General.

a. Section II This section lists, by type number in alphanumeric sequence, major electronic items with pertinent data paragraphed as follows:

(1) Brief description-including purpose, operational parameters, power requirements and such other data as may be appropriate, including a listing of major components

(2) Applicable tools and test equipment-including those items both specialized and common which are required at the various echelons of maintenance (excluding depot) to support the electronic systems.

(3) Applicable publication-includes pertinent technical manuals, supply bulletins, etc. Applicable to the electronic system For a specific listing of current publications, the latest edition of DA PAM 310-1 should be consulted.

b. Section III This section contains appropriate Army watercraft by type and model number in alphanumeric sequence, listing the electronics configuration Some of the configurations shown pertain to watercraft or retrofit programs which were still in development at the time of this printing Therefore, these configurations are subject to change.

c. Appendix A. This appendix is a list of electronic systems, sub-systems, equipments and major components by type number or manufacturer's number in alphanumeric sequence Included in the listing is nomenclature, National Stock Number, source of supply (routing identifier code), type classification status, unit price, funding information and component to end item cross reference.

d. Appendix B. This appendix is a list of tools and test equipment required to support electronic systems by type number or manufacturer's number in alphanumeric sequence. Include in the listing is nomenclature, National Stock Number, line item number, source of supply (routing identifier code), type classification status, unit price, funding information, PIL listings, applicable publications, end item supported and commercial equivalent.

e. Appendix C. This appendix lists all the items contained in Appendixes A and B in National Item Identification Number sequence cross referenced to the corresponding type number or nomenclature. This appendix aids in the identification of electronic items and/or electronic tools and test equipment when only the NSN is known.

f. Appendix D. This appendix is a cross reference of electronic components to the watercraft in which they are or could be installed.

g. Appendix E. This appendix contains tables of Equipment Indicator Letters used when assigning nomenclature to electronic equipment under the JETDS(AN) system.

Appendix F. Alphabetical index of contents.

4. Explanation of Terms

a. Maintenance Category. Abbreviations for various echelons or maintenance are as follows:

O-Organizational

F-Direct Support

H-General Support

b. CPO-Complete Provisions Only. This indicates that supports and brackets, circuit breakers, wiring, cables, connectors, etc. have been installed, necessary holes drilled and adequate space allocated so that the equipment and its' mountings may be installed without further alteration of either the equipment or the watercraft. Equipment for CPO installations is normally issued on TO&E basis.

c. SWP-Space, Weight and Power. This indicates that sufficient data is unavailable either to install the equipment or to provide complete provisions for future installations at the present time; however, space allocation, weight considerations and reserve power have been included in the design phase to permit future retrofit action for installation for which this designation is used.

5. References

- a. AR 725-50. Requisitioning, Receipt and Issue System.
- b. AR 750-1 Army Materiel Maintenance Concepts and Policies.
- c. AR 750-25-1. Army TMDE Calibration and Repair Support Program.
- d. DA PAM 310-1. Index of Technical Manuals, Technical Bulletins. Supply Manuals, Supply Bulletins, Modification Work Orders and Lubrication Orders.
- e. DA PAM 700-20. TMDE Register
- f. DA PAM 700-21. TMDE Index

g. SB 710-1-1. Standard Study Number System and Replacement Factors.

h. TB 43-180. Calibration Requirements for the Maintenance of Army Materiel.

i. DA PAM 750-10. Index of MWOs.

6. Reporting of Errors. The reporting of errors and recommendations for improving this publication is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to U.S. Army CECOM, AITN: DRSEL-MME-LAE, 4300 Goodfellow Blvd., St. Louis, MO 63120.

**Section II. WATERCRAFT SYSTEMS, SUBSYSTEMS
AND EQUIPMENT**

Listed in alphanumeric sequence by type number, where applicable, or nomenclature where type number designation has not been assigned. Commercial items are listed following the military designated items

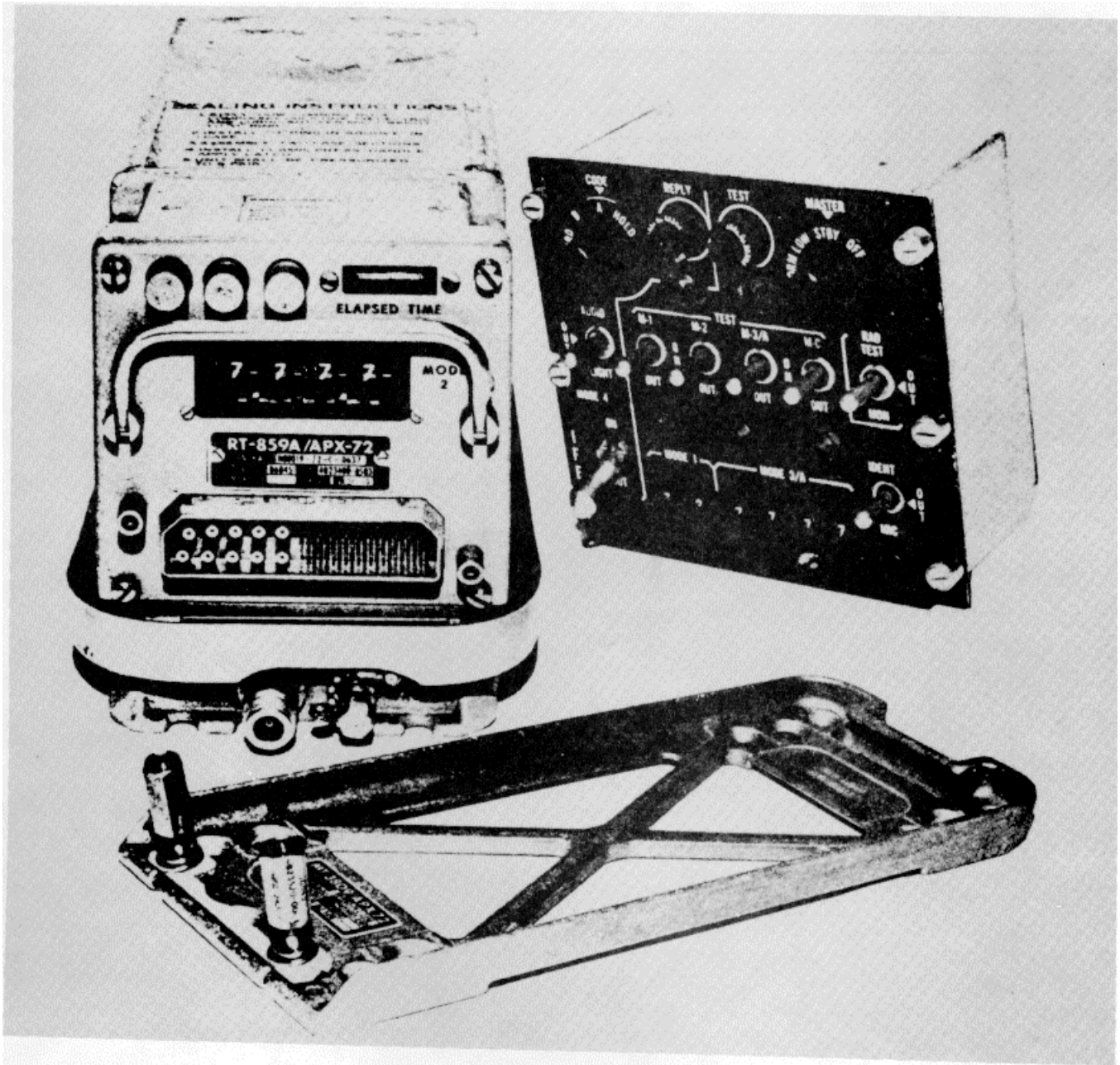


Figure . AN/APX-72 Transponder Set

1. Brief Description: The AN/APX-72 transponder operates in conjunction with ground based IFF (Identification Friend or Foe) equipment. The transponder, upon receiving an interrogation signal from the ground station automatically transmits a coded reply. The AN/APX-72 transmits on a frequency of 1090 MHz while receiving on 1030 MHz. The input power requirements are 28 volts DC at 2 amps or 115 volts AC, 400 Hz at 95 watts. The RT-859A/APX-72 is a product improved version of the RT-859/APX-72. Major components of the AN/APX-72 are as follows:

C-6280A(P)/AFX	Transponder Control Mount
MT-3809/APX-72	Receiver-Transmitter
RT-859/APX-72	Receiver-Transmitter
or	
RT-859AIAPX-72	Receiver-Transmitter

The following components are used with but are not part of the AN/APX-72:

AS-177A/UPX	Antenna
KIT-1 A/TSEC	Computer
MT-3513/APX	Mount TS-1843/APX
MT-3949A/U	Mount (KIT-I AITSEC)
TS-1843/APX	Transponder Test Set

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No		O	F	H
(*) AN/APM-123A	Test Set, Transponder	X		
AN/APM-239A	Test Set, Transponder		X	X
(**) AN/APM-245A	Test Set, Simulator		X	X
(**) AN/UPM-98B	Test Set, Radar		X	X
AN/URM-64A	Generator, Signal		X	X
AN/URM-105C	Multimeter	X		
AN/USM-203A	Generator, Sweep Signal		X	X
AN/USM-207A	Counter, Electronic			X
AN/USM-223	Multimeter		X	X
AN/USM-281A	Oscilloscope		X	X
CM-77A/USM	Comparator, Frequency			X
ME-26D/U	Multimeter		X	X
ME-202B/U	Voltmeter, Electronic			X
MK-772/U	Repair Kit, Printed Circuit			X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X
TS-268E/U	Test Set, Crystal Rectifier			X
TS-1836B/U	Test Set, Semiconductor			X
UG-564/J	Adapter	X	X	X

3. Applicable Publications:

- TM 11-5841-268-23P (Pertains to C-6280A-(P)/APX)
- TM 11-5841-268-25 (Pertains to C-6280A-(P)/APX)
- TM 11-5895-490-20
- TM 11-5895-490-20P

- TM 11-5895-490-34P
- TM 11-5895-490-35
- TB 11-5895-490-34 (Pertains to AN/APM-305)

Brief Description: The AN/APX-100 pertains to a family of transponders. For specific details refer to data sheets for RT-1157/APX-100(V), RT-1285/APX-100(V), and RT-1296/APX-100(V).

(*) Planned for replacement by the AN/APM-378
(**) Planned for replacement by the AN/APM-3051

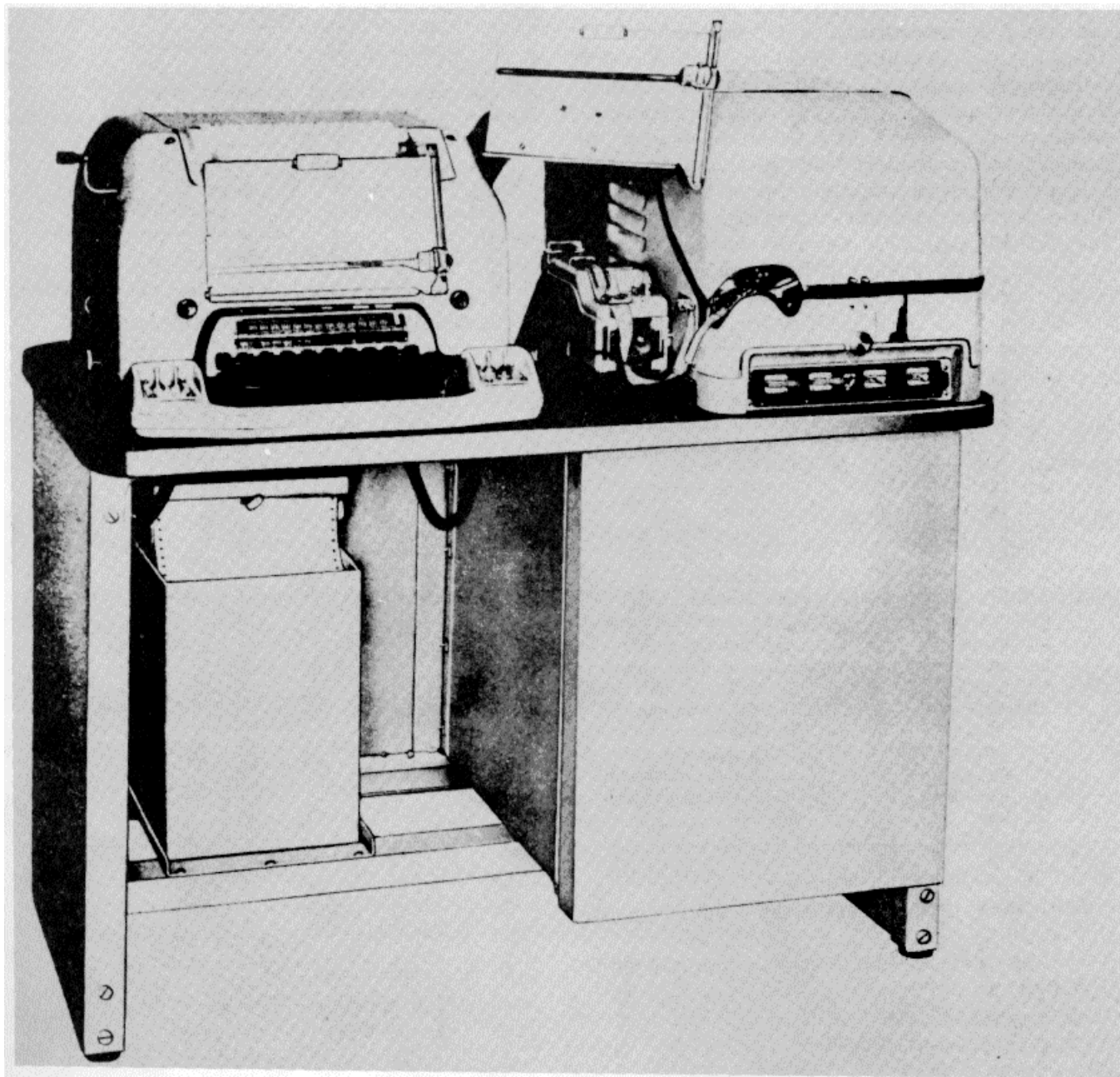


Figure 2. AN/FGC-25X(Modified) Teletypewriter Set

1. Brief Description: The AN/FGC-25X(modified) Teletypewriter Set installed on Army watercraft has facilities for the transmission, monitoring, and reception of messages including news, weather information, etc., when used in conjunction with a radio set having a FSK (Frequency Shift Keying) capability. Transmission is possible on a neutral basis from either the keyboard-transmitter or from previously punched tape processed through the transmitter-distributor. The set is equipped to make a monitor copy of transmitted messages in either page copy, printed and punched tape copy, or both. The set can receive either polar or neutral signals from the signal line. Tape may be cut before transmission to the signal line, without disturbing the signal circuits. The teletypewriter is equipped with

gearsets which permit operation at 60, 75 and 100 words per minute (wpm). The teletypewriter set is equipped with series-governed motors and can be used on vessels that do not have regulated 60 cycle, single-phase power source available. The keyboard- transmitter and the transmitter-distributor each transmit 7.42 unit code. Input power requirement is 115 volts AC, single phase at 380 watts. The following components comprise an operable system:

FN-65/FG	Teletypewriter Table
MD-522A/GRC	Modem
TT-98()/FG	Teletypewriter
TT-119()/FG	Page Printer
TT-178()/FG	Reperforator

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

<i>Type No</i>		<i>O</i>	<i>F</i>	<i>H</i>
AN/URM-105C	Multimeter	X		
ANIUSM-223	Multimeter		X	X
ME-30AIU	Voltmeter, Electronic			X
TE-50B	Tool, Equipment	X	X	X
TE- 111	Tool, Equipment		X	X
TS-799A/UGM-1	Test Set, Distortion		X	

3. Applicable Publications:

TM 11-5815-200-12 (Pertains to TT-98()/G)
 TM 11-5815-200-20P (Pertains to TT-98()/G)
 TM 11-5815-200-34P-1 (Pertains to TT-98()/G)
 TM 11-5815-200-34P-2 (Pertains to TT-98()/G)
 TM 11-5815-200-34P-3 (Pertains to TT-98()/G)
 TM 11-5815-200-34P-4 (Pertains to TT-98()/IG)
 TM 11-5815-200-34P-5 (Pertains to TT-98()/G)
 TM 11-5815-200-35 (Pertains to TT-98()/G)

TM 11-5815-244-12 (Pertains to ANIFGC-25)
 TM 11-5815-244-20P (Pertains to AN/FGC-25)
 TM 11-5815-244-34 (Pertains to AN/FGC-25)
 TM 11-5815-244-34P (Pertains to AN/FGC-25)
 TM 11-5805-387-15-2 (Pertains to MD-522A/ GRC)
 TM 11-5805-387-20P-2 (Pertains to MD-522A/ GRC)
 TM 11-5805-387-34P-2 (Pertains to MD-522A/ GRC)

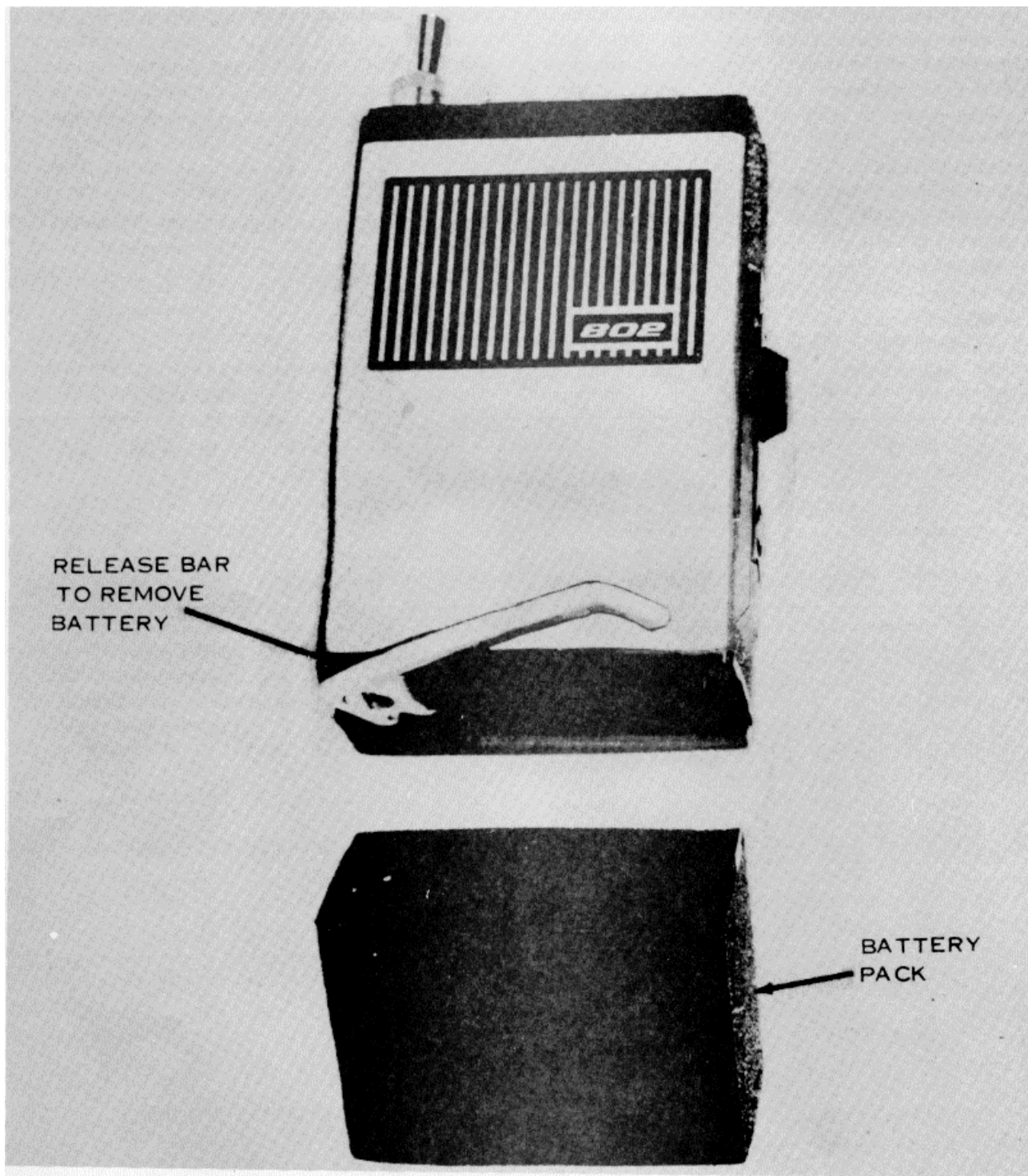


Figure3. AN/PRC-94 Radio Set

1. Brief Description: Radio Set AN/PRC-94 is a lightweight, portable frequency modulated (fm) transceiver. The transceiver provides four channels of voice communications in the 150.8 to 162.0 MHz range. It is used on shipboard for bridge-to-bridge, bridge-to-deck or dock, and general ship-to-shore communications. The rf power output is 1-watt low range and 4-watts high range. The set is powered by a nickel-cadmium rechargeable battery pack. Batteries are recharged by using the COMCO Model 154-02 charger described elsewhere in this publication. Power consumption of the AN/PRC-94

is 4-6 milli-amperes at 15.0 volts in the standby mode; 87 milli-amperes at 15.0 volts in the receive mode, and 400 milli-amperes at 15.0 volts in the transmit mode. Components of the AN/PRC-94 are as follows:

- COMCO 802-M Transceiver
- COMCO 810-156-01 Battery Pack
- COMCO 810-151-01 Carrying Case
- COMCO 810-164-01 Whip Antenna
- COMCO 810-168-01 Microphone-Speaker

2. Applicable Tools & Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No		0	F	H
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit. Electronic	X		

3. Applicable Publications:
TM 11-5820-843-13 & P

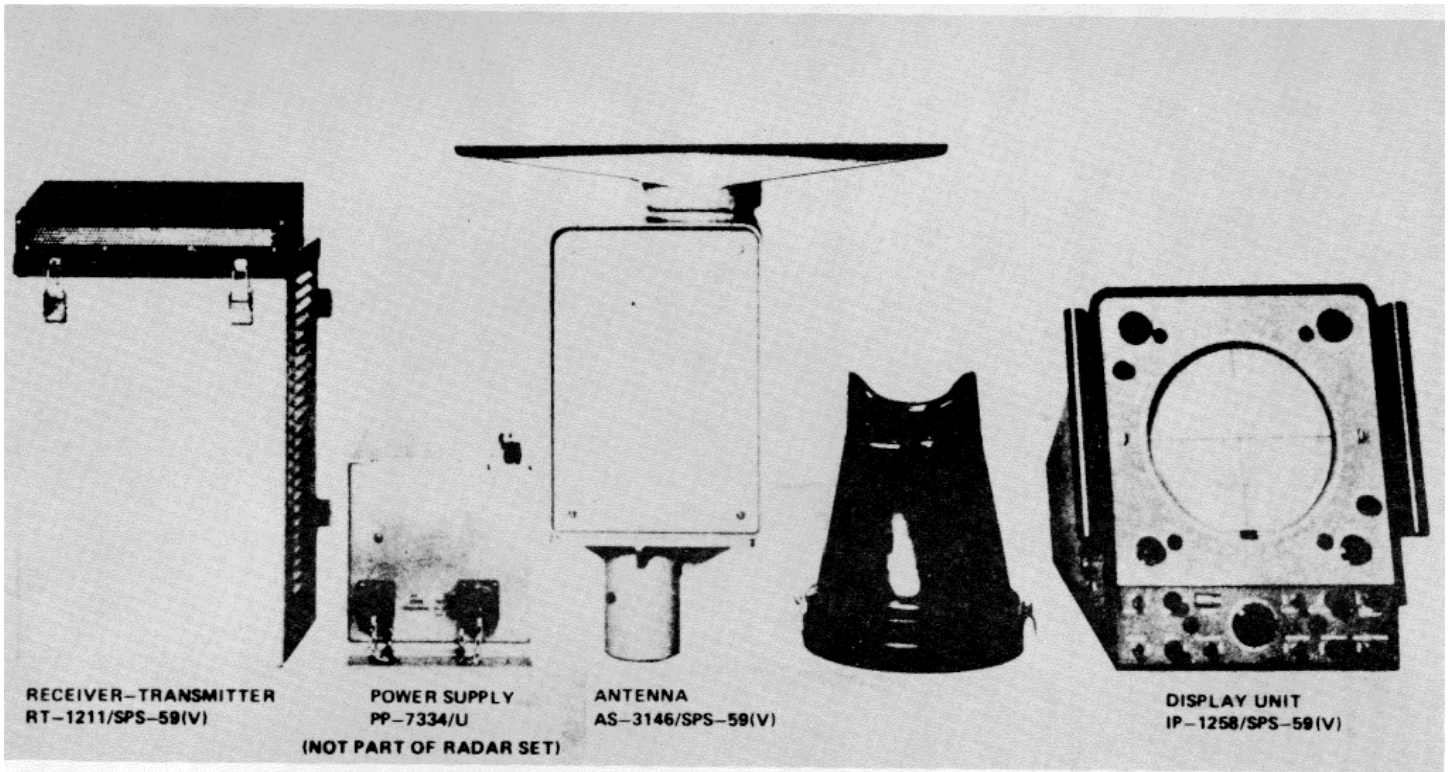


Figure 4. AN/SPS-59(V)1 Radar Set

1. Brief Description: The AN/SPS-59(V)1 Radar Set is a shipboard navigational aid used for detecting surface obstacles or other vessels. The radar set is an x-band, pulse modulated radar operating on a frequency of 9375 + 30 MHz. It provides 360 degree coverage and displays the video on a 10 inch Plan Position Indicator (PPI). The radar set provides surface surveillance through 360 degree azimuth within the range of 20 yards to 36 nautical miles. The AN/SPS-59(V)1 is primarily designed to operate on vessels with a power source of 26 volts DC. However, the radar set can be used with ship power of 115 or 230 volts AC by

utilizing the PP-7334/U power supply. The input power requirement of the AN/SPS-59(V)1 is 26.4 volts DC at 10

A. Major components are:

AS-3146/SPS-59(V)	Antenna
IP-1258/SPS-59(V)	Display Unit
MX-9804/SPS-59(V)	Cable Assembly, Electrical
RT-1211/SPS-59(V)	Receiver-Transmitter

The following component is used with but not part of the AN/SPS-59(V)1:

PP-7334/U	Power Supply
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2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No		0	F	H
AN/UPM-15A	Generator, Pulse	X		X
AN/URM-44A	Generator, Signal	X	X	
AN/USM-224	Voltmeter	X	X	
AN/USM-281A	Oscilloscope	X	X	
CP-772A/U	Counter, Electronic	X	X	
ME-147/U	Voltmeter	X	X	
ME-303A/U	Multimeter	X	X	
ME-4981U	Voltmeter, Digital	X	X	
TK-1001G	Tool Kit, Electronic	X	X	
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic	X	X	
HP-5267	Plug-In Unit, Electronic Stopwatch	X	X	

3. Applicable Publications:

TM 11-5840-358-12
 TM 11-5840-358-20P
 TM 11-5840-358-34
 TM 11-5840-358-34P

(Illustration Not Available)
Figure 5. AN/SPS-64(V)5 Radar Set

1. Brief Description: The AN/SPS-64(V)5 Radar Set is a surface radar unit of the Plan-Position Indicator (PPI) type, designed as a primary aid-to-navigation instrument with a range of 20 yards to 64 nautical miles. The set generates Radio Frequency (RF) pulses that are radiated through the antenna, a portion of the pulse energy is reflected by an solid object, obstruction, or target within the line of sight of the antenna and maximum range of the set. The reflected pulse is received back through the antenna and after demodulation is displayed on the

PPI scope. The radar operates in the x-band, 9420 + 7 MHz. In the AN/SPS-64(V)5, pulses of high peak power and very short duration are transmitted at a repetition rate of 900, 1800, or 3600 pulses per second, depending on the range and/or mode selected. Major components are as follows:

- AB-1247/SPS-64(V) Antenna Pedestal Assembly
- AS-31941SPS-64(V) Antenna
- IP-13021SPS64(V) Indicator, Azimuth Range
- RT-1246/SPS-64(V) Receiver-Transmitter

2. Applicable Tools and Test Equipment:

Type No.		0	F	H
AN/URM-127	Generator, Signal		X	X
ANIUSM-281C	Oscilloscope		X	X
ANIUSM-4561	Multimeter		X	X
CN-713()/U	Attenuator, Variable		X	X
CU-15151/U	Coupler, Directional		X	X
FR-126/U	Wavemeter		X	X
ME-303A/U	Multimeter	X	X	X
MX-7772/U	Mount, Thermster		X	X
RF-210/U	Detector, Crystal		X	X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X
HP-X432A	Meter, Power Factor		X	X
TEK P601	Probe, Hi Voltage		X	X

3. Applicable Publications:

- TM 11-5840-360-14-1-1
- TM 11-5840-360-14-1-2 (To be published)
- TM 11-5840-360-14-2
- TM 11-5840-360-24P (To be published)



Figure 6. AN/SQN-15(V)1 Sonar Sounding Set

1. Brief Description: The AN/SQN-15(V)1 Sonar Sounding Set is a shipboard dual depth sounding system which provides water depth information numerically on a four-digit visual display and a permanent record of the underwater topography in depth on a recorder. The Digital Depth Sounder (DE-740) and Depth Recorder (DE-741) provide the above information. The DE-740 provides precise water depth information in feet or fathoms numerically on a four-digit visual display. In addition to the numerical display, the DE-740 also has a visual and audible warning which is activated whenever the depth of the water under the vessel is equal to or less than a preset depth limit. The DE-741 provides a precise, detailed, and permanent record (on chart paper) of the underwater topography in fathoms. A transducer provides the medium through which the depth sounding signal is transmitted and received. Depths of 1.5 to 500 feet

or .3 to 240 fathoms can be numerically displayed on the digital display unit of the DE-740. The DE-741 has six selectable depth ranges; range 1: 0-110 fathoms; range 2: 100-210 fathoms; range 3: 200-310 fathoms; range 4: 300-410 fathoms; range 5: 0-720 fathoms; range 6: 650-1370 fathoms. Input requirement for the DE-740 is 117 volts AC, 60 Hz at 40 watts and 117/234 volts AC, 60 Hz, at 45 watts for the DE-741. Major components of the AN/SQN-15(V)1 are:

DE-740 Digital Depth Sounder consisting of:
 Raytheon PN 7435-5001G1 Digital Display Unit
 Raytheon PN 7436-5001G1 Electronic Control Unit
 Raytheon PN 7511-1002P1 Transducer
 DE-741 Depth Recorder consisting of
 Raytheon PN 7426-1001P1 Transducer
 Raytheon PN 7437-5001G1 Recorder, Depth

2. Applicable Tools & Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.		O	F	H
AN/GSM-64B	Voltmeter, Digital		X	X
AN/URM-106C	Multimeter	X		
AN/URM-25D	Generator Signal			X
AN/USM-281A	Oscilloscope			X
ME-26D/U	Multimeter		X	X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X
* RG-68A/U	Cable, COAX (52OHMS)			X
* UG-88/U	Connector, COAX			X
HP-6326B	Counter, Frequency		X	X
DIP-CLIP 3916	Clamp, Integrated Ckt		X	X
7436-5015G1	Card, Extender		X	X
*Capacitor (1500 Picofarad 1KV 5%)				X
**Resistor (10 OHMS 1 watt)				X
*Resistor (75 OHMS 1 watt)				X
*Resistor (100 OHMS 1 watt)				X
Resistor (100 OHMS 2 watt)				X
Resistor (150 OHMS 2 watt)				X
**Resistor (490 OHMS 1 watt)				X

3. Applicable Publications:
 TM 11-5845-200-12 & P
 TM 11-5845-200-34 & P

*Required to locally fabricate dummy load
 **Required to locally fabricate 10 OHM Attenuator

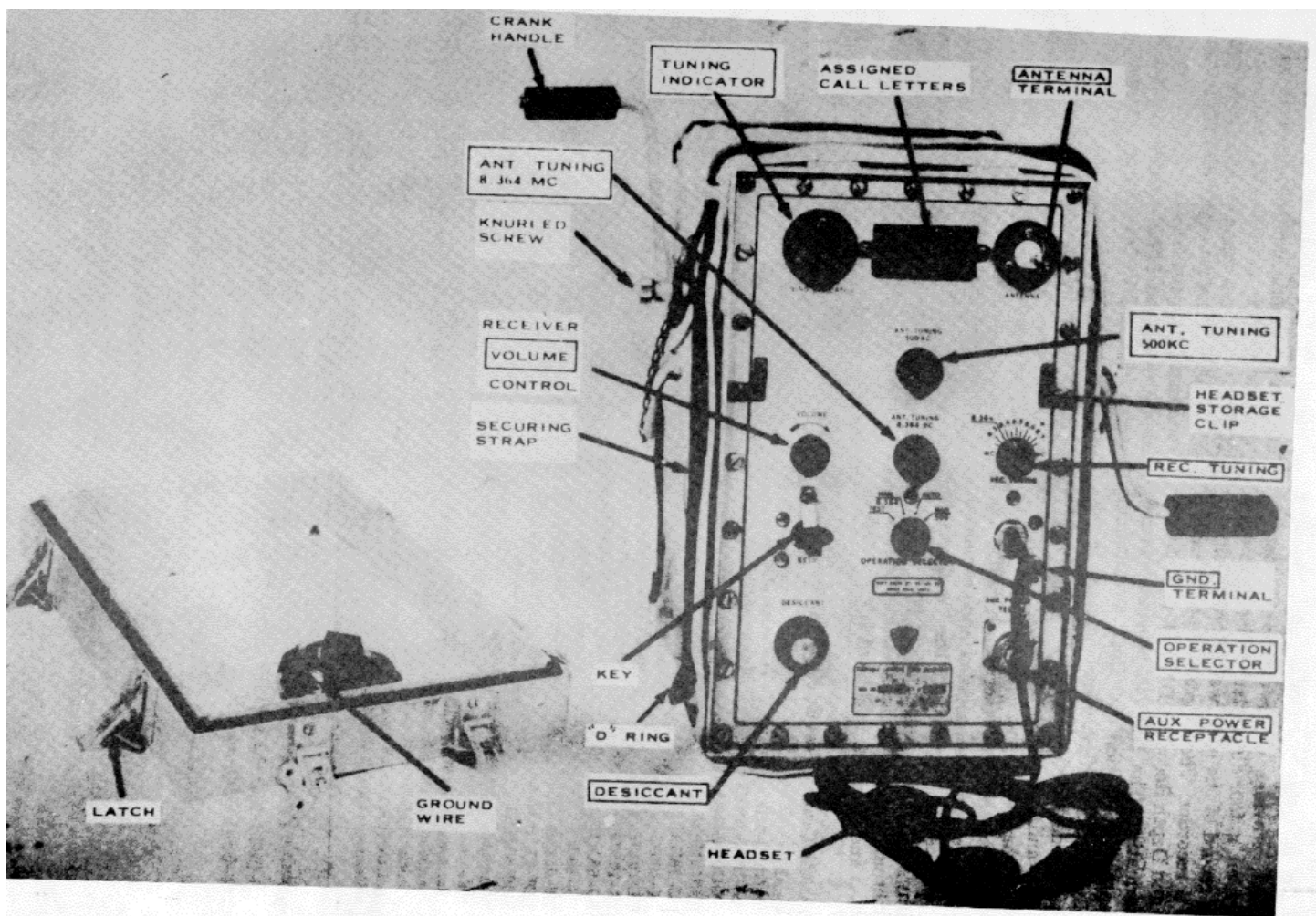


Figure 7. AN/SRC-6A Radio Set

1. Brief Description: Radio Set AN/SRC-6 (RCA Model ET-8053) and Radio Set AN/SRC-6A (MacKay type 401-A) are portable radiotelegraph transmitters and receivers, powered by a built-in hand-driven generator for emergency use in lifeboats or other survival craft. Automatic or manual keying is provided to transmit twelve 4-second dashes with 1-second pauses followed by three distress signals on 500 KHz and 3 distress

signals followed by a 3-second dash for direction finding on 8364 KHz. These sets are generally interchangeable as to purpose and use. The transmitter has two preset frequencies-500 KHz and 8364 KHz. Power output is 2 watts at 500 KHz and 5 watts at 8364 KHz

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature and NSN.

Type No.		O	F	H
AN/URM-25D	Generator, Signal		X	X
AN/URM-105C	Multimeter	X		
AN/USM-159	Meter, Frequency		X	X
ME-26D/U	Multimeter		X	X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X
TS-585C/U	Meter, Audio Output		X	X
TV-7D/U	Test Set, Electron Tube		X	X

3. Applicable Publications:

- TM 11-5820-364-12P (AN/SRC-6&AN/SRC-6A)
- TM 11-5820-364-12-2 (AN/SRC-6A)
- TM 11-5820-364-20P-2 (AN/SRC-6A)
- TM 11-5820-364-34P-2 (AN/SRC-6A)
- TM 11-5820-364-35-2 (AN/SRC-6A)
- TM 11-5820-364-35P (AN/SRC-6&AN/SRC-6A)

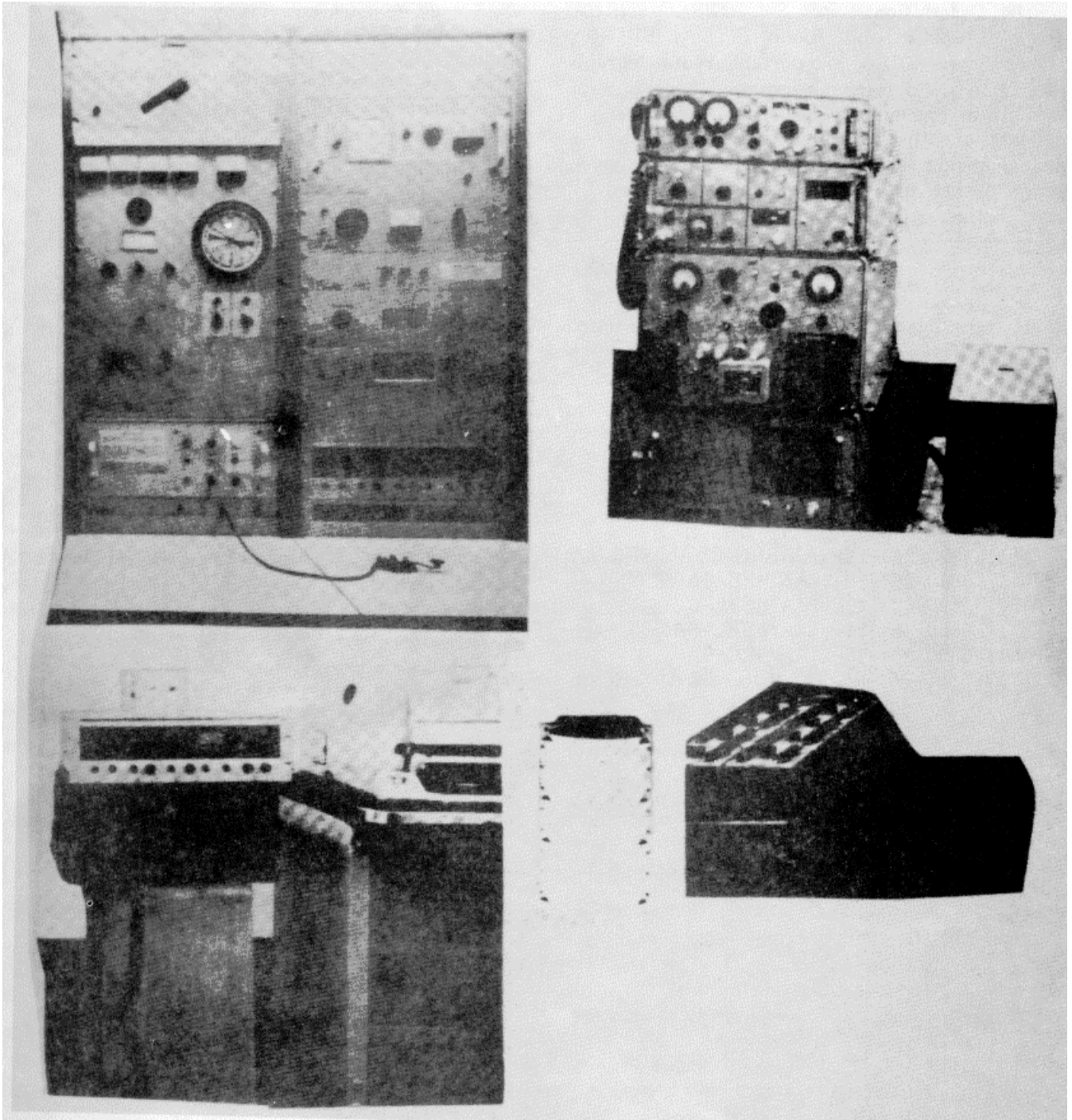


Figure 8. AN/SRC-38 Radio Set

1. Brief Description: The AN/SRC-38 provides a radio telegraph communication system for use aboard selected Army watercraft. The system consists of a combination of receivers and transmitters which cover the frequency range of 400 KHz to 29.999 MHz. When used with other external

equipments, a frequency shift keying capability is provided. The input power requirement is 115 volts AC single phase 60 Hz at 32 amperes. The following components comprise an operable high seas communication system for Army watercraft:

AN/SRC-43	Radio Console
BB-703U/SRC-43	Battery (MACKAY KAP-29)
C-99491SRC-43	Battery Charger Panel (MACKAY MR-515-197A)
KY-821/SRC-43	Auto Alarm Keyer (MACKAY 5103A)
MD-1001/SRC-43	Modulator Assembly (MACKAY 472-2AI)
MT-4789/SRC-43	Console Frame (MRU-29B)
PP-7251/SRC-43	High Voltage Power Supply (MACKAY MR-560-41A)
R-1994/SRC-43	Aux Receiver (MACKAY 3018A)
R-1995ISRC-43	Auto Alarm Receiver (MACKAY 5003A)
R-1996/SRC-43	Main Receiver (MACKAY 3020A)
SA-2072/SRC-43	Aux Switch Panel Ass'y (MACKAY MR-515-507A)
SA-2073/SRC-43	Antenna Transfer Switch (MACKAY 761-19A)
T-13171SRC-43	Main Transmitter (MACKAY 2012C)
T-1318/SRC-43	Reserve Transmitter (MACKAY 2017A)
MR-140-194MACKAY}	Auto Alarm Bell
MR-170-3B(MACKAY)	Loud Speaker IMACKAY MR- 170-3B)
MR-219-31A(MACKAY)	Battery Charger
MR-411-3A(MACKAY)	Jack Panel
MR-535-22A(MACKAY)}	Fuse Plate Ass'y
MR-599-5A(MACKAY)	Keying Relay
AN/SRT-27	
M-143/GR	Microphone (RF-162-0020)
MT-4790/SRT	Mount
PP-7072/SRT	Power Supply (RF- 124)
T-1283/SRT	Transmitter (RF-131)
RF-110(RF Communication)	Radio Frequency Amplifier
AN/URA-38A	Antenna Coupler Group
C-3698SURA-98	Antenna Coupler Control
CU-93A8/URA-38	Antenna Coupler

The following components are used with but not part of the AN/SRC-38:

AN/FGC-25X (Modified	Teletypewriter Set
FN-65/FG	Teletypewriter Table
MD-522A/GRC	Modem
TT-98()/FG	Teletypewriter
TT-119()/FG	Page Printer
TT-178()/FG	Reperforator
J-3S81/SRC	Interconnecting Box (LBAD Fabricated)
R-1996/SRC-43	Reserve Receiver (MACKAY 3020A}
RE-1110/SRC	Receiver Input Protection Relay (LBAD Fabricated}

2. Applicable Tools & Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.		O	F	H
AN/URM-25D	Generator, Signal		X	X
AN/URM-105C	Multimeter	X		
AN/URM-120	Teat Set, RF Power		X	X
AN/URM-127	Generator, Signal		X	X
AN/URM-145	Voltmeter, Electronic		X	X
AN/USM-44B	Generator, Signal		X	X
AN/USM-203C	Generator, Sweep Signal		X	X
AN/USM-207A	Counter, Electronic		X	X
AN/USM-223	Multimeter		X	X
AN/USM-281A	Oscilloscope		X	X
DA-148/U	Dummy Load		X	X

<i>Type No</i>		<i>O</i>	<i>F</i>	<i>H</i>
ME-26D/U	Multimeter		X	X
ME-30A/U	Voltmeter. Electronic		X	X
ME-202B	Voltmeter, Electronic		X	X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X

3. **Applicable Publications:** Commercial manuals only.

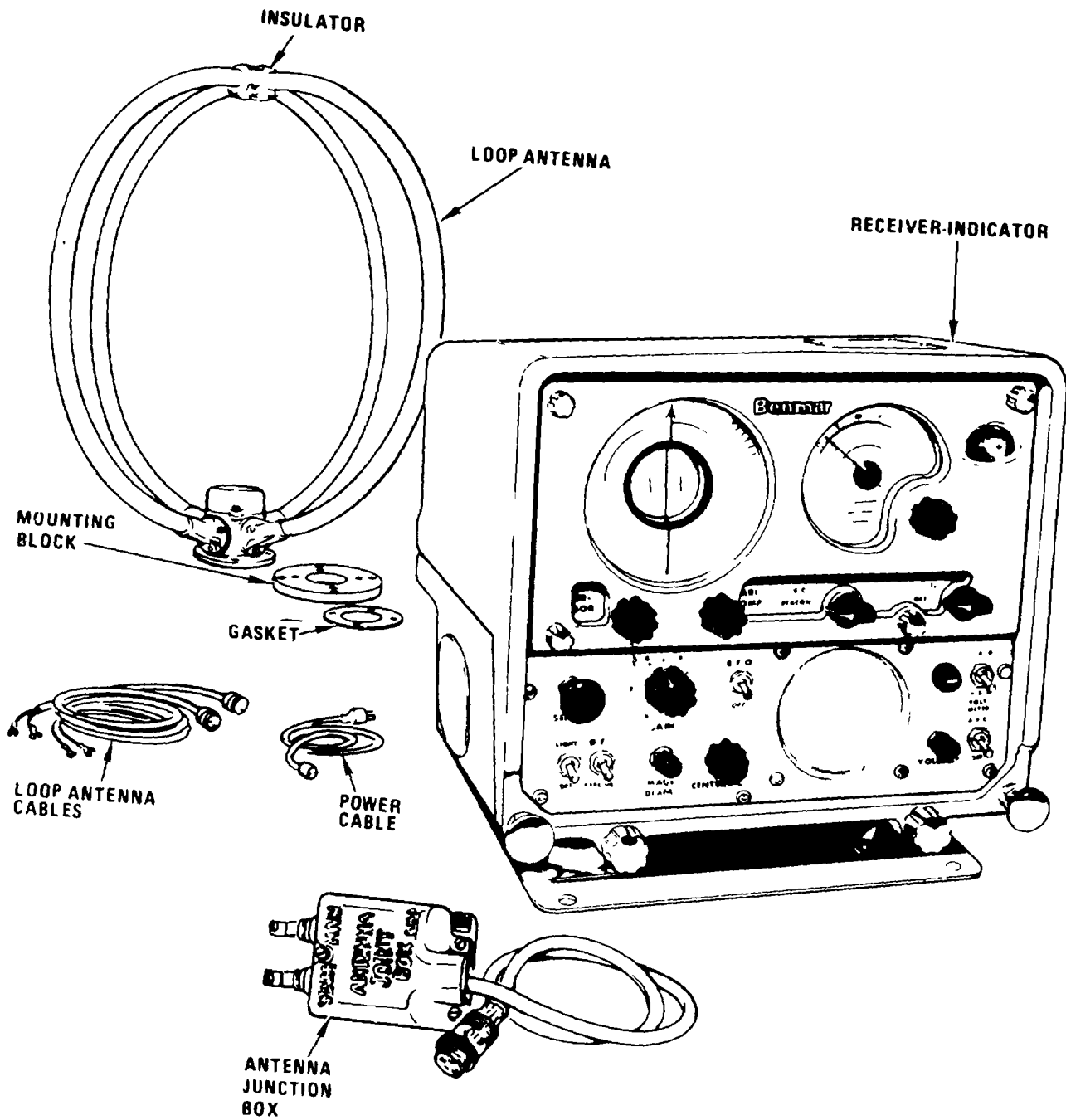


Figure 9. AN/SRD-18 Direction Finding Set

1. Brief Description: Direction Finder Set AN/SRD-18 Is a navigational aid used aboard ship The set provides determination of direction of received radio signals. The bearing is obtained instantly and is automatically presented on cathode-ray tube (crt). Two modes of operation are available: DF (direction finding) and RECEIVE (Aural reception via loud-speaker). Operating frequency range of AN/SRD-18 is 200 to 4,500 KHz selectable via three bands, Beacon band (200 to 500 KHz), Broadcast band (600 to 1,700 KHz) and

Marine band (1,650 to 4,500 KHz). The input power requirement is 115 volts AC, 60 Hz at 90 volt amperes Major components are as follows:

000-1022	Loop Antenna
001-0634	Antenna Junction Box
000-1030	Receiver-Indicator Sense Antenna
001-1029	Cable Assembly, Power
001-0692	Cable Assembly
021-1697	Gasket
021-1696	Antenna Mounting Block

2. Applicable Tool and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No		O	F	H
AN/GSM-64B	Voltmeter, Digital			X
AN/URM-25D	Generator, Signal			X
AN/USM-207A	Counter, Electronic			X
AN/USM-281C	Oscilloscope			X
ME-303A/U	Multimeter		X	X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X
TV-7D/U	Test Set, Electron Tube		X	X

3. Applicable Publications:

- TM 11-5825-261-12
- TM 11-5825-261-20P
- TM 11-5825-261-34
- TM 11-5825-261-34P

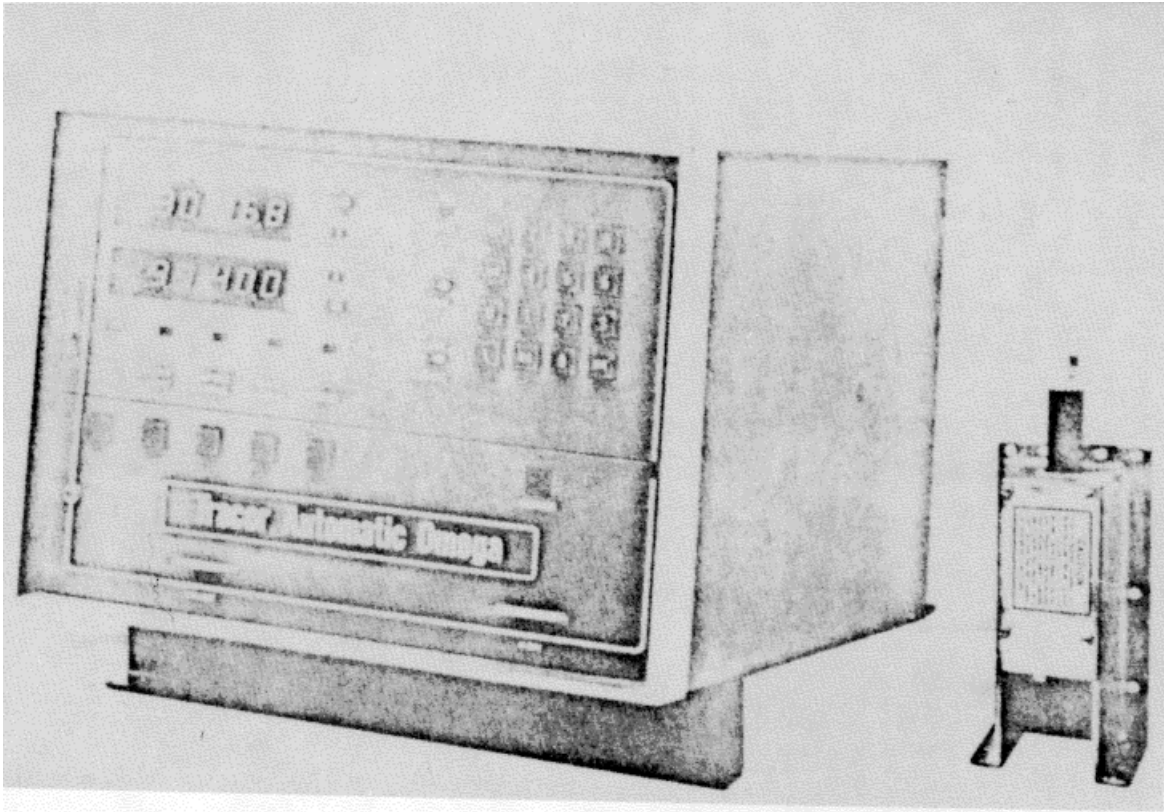


Figure 10. AN/SRN-23 Omega Set

1. Brief Description: Omega Set AN/SRN-23 is designed to provide, with minimum operator attention, navigational information based on reception of signals from the world-wide network of Omega transmitters. The unit automatically accomplishes synchronization with the Omega transmissions, selects the transmitter to be utilized, applies propagation corrections and displays computed latitude and longitude. As an option, automatic input of course and speed from ships gyro and log can be utilized for automatic dead reckoning during any periods when Omega signals are not being properly received. The operator need only key in initial latitude, longitude, time, day and initial heading. The AN/SRN-23 is capable of receiving

frequencies in the 10.0 to 14.0 KHz range transmitted by a network of Omega stations located world-wide. The carrier frequencies emitted from the transmitters are controlled by the average of three ultrastable atomic frequency standards at each station. The receiver contains an internal battery which when fully charged will maintain uninterrupted operation for one-half hour or longer if primary power is interrupted. Power input requirement is 110/220 volts AC, 50 to 420 Hz or 28 volts DC. Major components are:

AS-3395/SRN-23 Coupler, Antenna
R-21631SRN-23 Receiver

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No		<i>O</i>	<i>F</i>	<i>H</i>
AN/URM-105C	Multimeter	X		
AN/URM-127	Generator, Signal		X	X
AN/USM-207A	Counter, Electronic		X	X
AN/USM-223	Multimeter		X	X
AN/USM-281A	Oscilloscope		X	X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X

3. Applicable Publications:

- TM 11-5825-267-12 & P (Planned)
- TM 11-5825-267-34 & P (Planned)

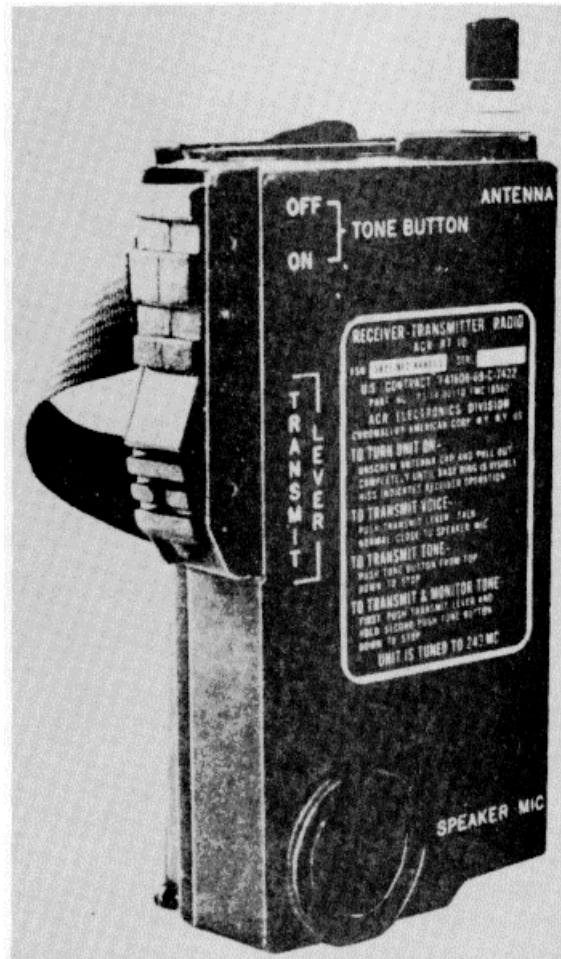


Figure 11. ACR RT-10 Radio Set

1. Brief Description: Radio Sets AN/URC-10() and ACR RT-10 are portable radio receiver-transmitters designed to transmit and receive voice signals on the frequencies (240.0 to 260.0 MHz) reserved for air-sea-rescue. The transmitter also emits a tone-beacon signal for homing use. The tone-beacon signal may be manually locked in during unattended operation. Power to the RT-278/URC-10 and RT-278A/URC-10 is provided from an external battery (BA-1387)

connected to the radio set by a waterproof cable. The ACR-RT-10A and RT-278B/URC-10A have an integral battery (K-308A) pack which is part of the rear cover. Major components of the radio sets are as follows:

RT-278()/URC- 10	Receiver-Transmitter
ACR RT-10	Receiver-Transmitter
K-308A	Battery Pack

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No		O	F	H
AN/URM-127	Generator, Signal			X
ANIURM-172	Test Set. radio	X	X	X
AN/USM-44B	Generator. Signal			X
AN/USM-161	Test Set, RF Power			X
AN/USM-207A	Counter, Electronic			X
AN/USM-223	Multimeter	X		X
AN/USM-281A	Oscilloscope			X
CN-7961U	Attenuator. Fixed			X
ME-26D/U	Multimeter	X		X
PP-3940A/G	Power Supply			X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X
TS-18S8B/U	Test Set, Semiconductor		X	X

3. Applicable Publications:
TM 11-5820-640-15
TM 11-5820-640-25P

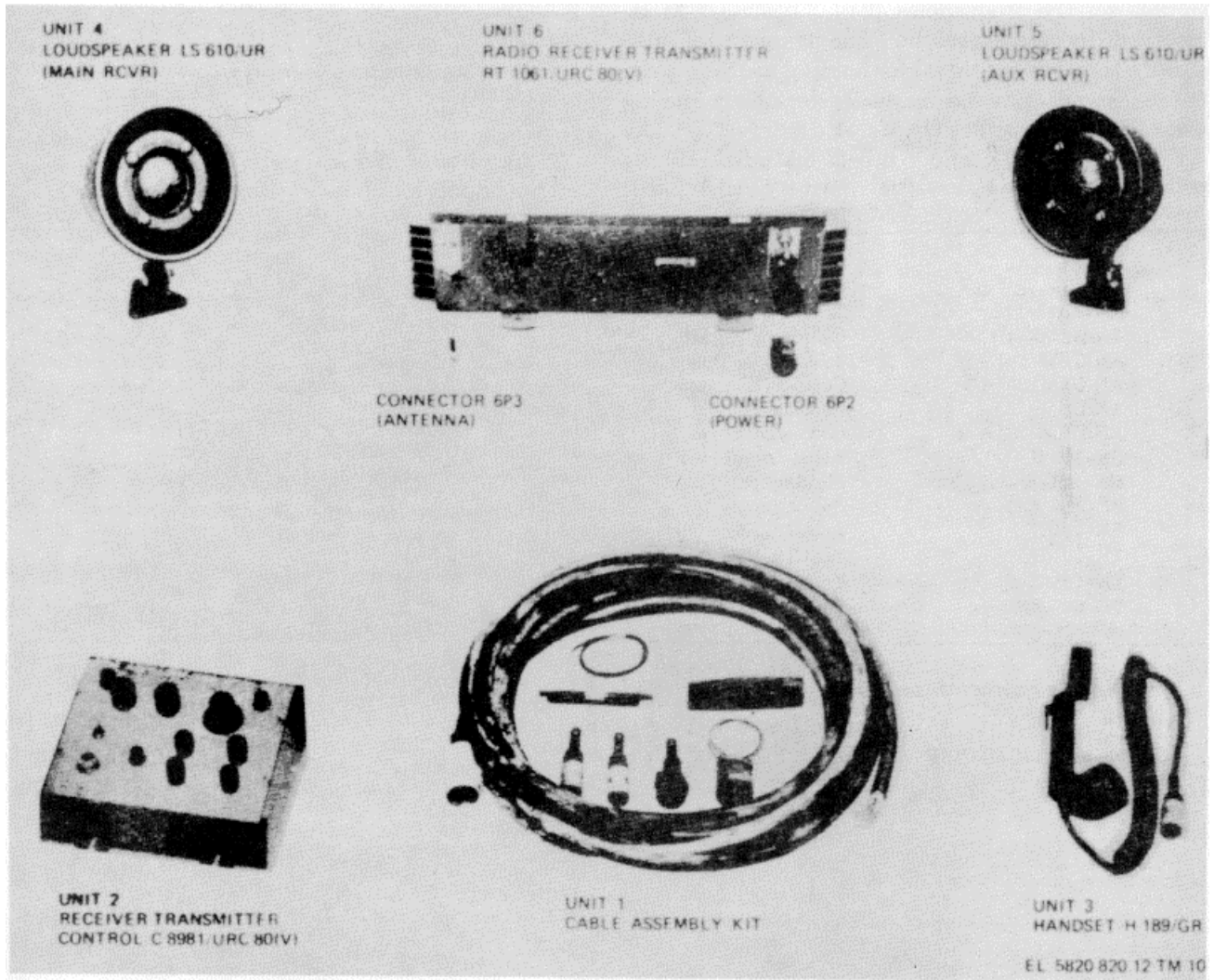


Figure 12. AN/URC-80(V)1 Radio Set

1. Brief Description: Radio Set AN/URC-80(V)1 is a very high frequency-frequency modulated (vhf-fm) transceiver that provides reliable short range (35 to 40 miles) voice communications on all channels of the maritime service band. In the transmit mode of operation, the AN/URC-80(V)1 provides a switchable 1-watt or 25 watt maximum power output. The radio set has a frequency range of 156.025 MHz to 157.425 MHz, allowing transmission on any of the 55 maritime channels. In the receive mode, the set receiver signals in the 156.025 MHz to 162.550 MHz range. The additional auxiliary receiver and its injection oscillator in the AN/URC-80(V)1 allow continuous monitoring of a single channel (channel 13, 156.650 MHz). The input power requirement can

either be 120 or 240 volts AC, 50 to 400 Hz or 12, 24 or 32 volts DC at 100 watts. Major components of the AN/URC-80(V) 1 are:

- C-8981/URC-80(V) Control
- H- 189G R Handset
- LS-6191UR (2 ea) Loudspeaker
- RT- 10601URC-80(V) Receiver-Transmitter

The following components are used with but not part of the AN/URC-80(V)1:

- AS-3095/URC Antenna
- OK-295/URC-80(V) Control Group (Restricted to remote control operations)

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

<i>Type No.</i>		<i>O</i>	<i>F</i>	<i>H</i>
AN/URM-127	Generator, Signal		X	X
AN/USM-207A	Counter, Electronic		X	X
AN/USM-223	Multimeter	X		
ME-30A/U	Voltmeter, Electronic		X	X
ME-57/U	Meter, Modulation		X	X
ME-821U	Wattmeter		X	X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X

3. Applicable Publications:
 TM 11-5820-820-12
 TM 11-5820-820-30
 TM 11-5800-820-23P

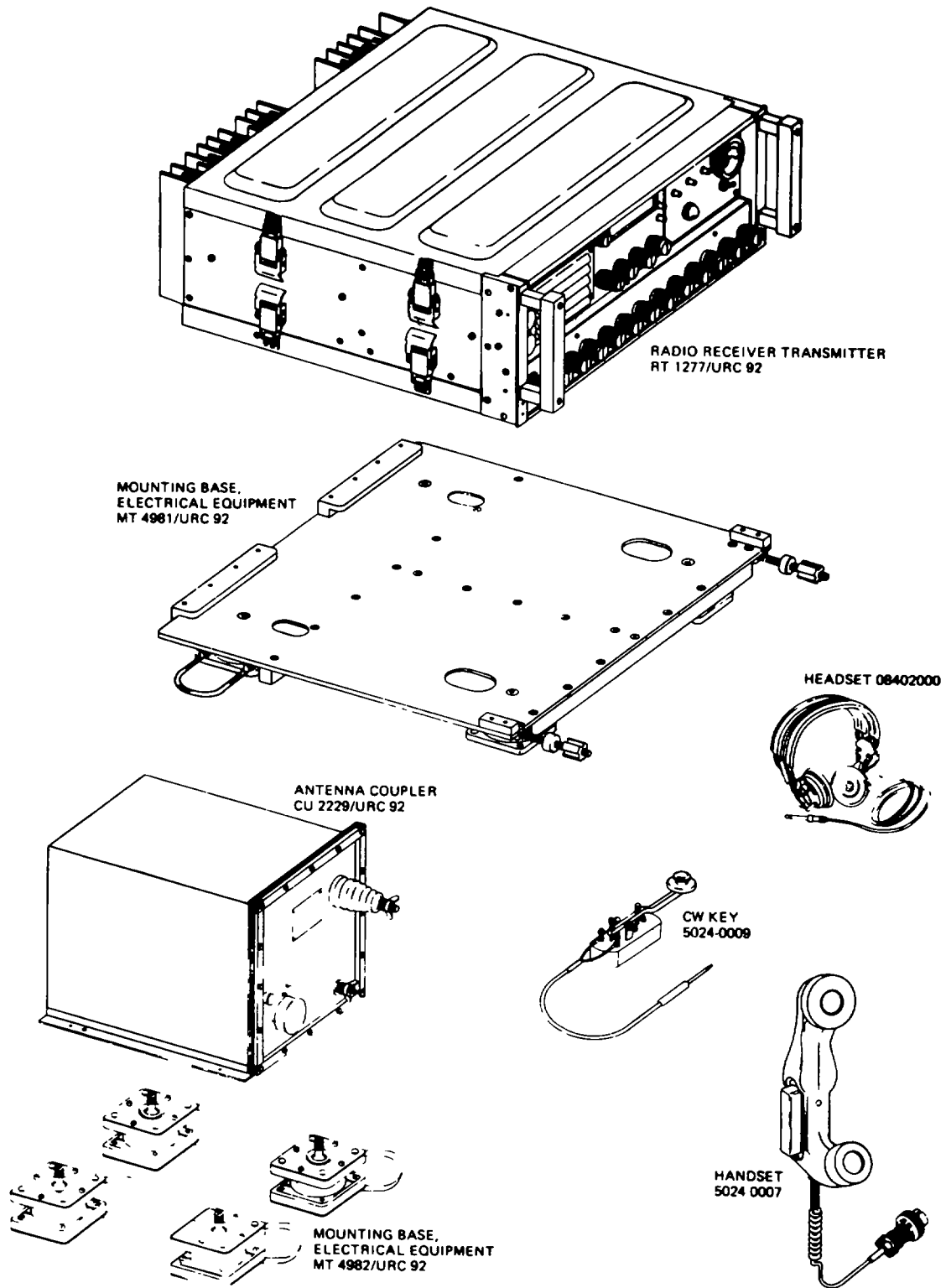


Figure 13. AN/URC-92 Radio Set

1. Brief Description: Radio Set AN/URC-92 is a single side-band half duplex transceiver covering the frequency range of 1.6 to 29.9999 MHz. Modes of operation include Lower Sideband (LSB), Upper Sideband (USB), Amplitude Modulation (AM) and Continuous Wave (CW). Operation in the Frequency Shift Keying (FSK) and Facsimile (FAX) modes are possible with the addition of suitable modems. Frequency selected is shown on a six digit Light Emitting Diode (LED) display located on the front panel of the receiver-transmitter. The radio set provides for a half duplex capability, transmitting on one frequency and receiving on another or can be used to operate on two different frequencies (such as a day and night frequency) by changing of one switch position. The power output is rated at 100 watts peak envelope power (pep) and 100 watts

average power over the entire frequency range. The transmitter power input requirement is 115/230 volts AC, 50-60 Hz at 400 watts or 13/26 volts DC at 480 watts.

Major components of the set are:

CU-2229/URC-92	Coupler, Antenna
M-23	Headset
MT-49811URC-92	Mount (RT-1277/URC-92)
MT-49821URC-92	Mount (CU-22291URC-92)
RT- 12771URC-92	Receiver-Transmitter
5024-0007	Key,
5024-0009	Handset Assembly

Major components used with but not part of the AN/URC-92 are:

AS-3286/URC	Whip Antenna (23 foot)
or	
AS-3287/URC	Whip Antenna (35 foot)

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.		0	F	H
AN/GRM-50C	Generator, Signal		X	X
AN/URM-120	Test Set, RF Power		X	X
AN/URM-127	Generator, Signal		X	X
AN/URM-145	Voltmeter, Electronic		X	X
AN/USM-44B	Generator, Signal			X
AN/USM-207A	Counter, Electronic		X	X
AN/USM-223	Multimeter		X	X
AN/USM-281A	Oscilloscope		X	X
DA-75/U	Dummyload, Electrical		X	X
ME-26D/U	Multimeter		X	X
ME-30A/U	Voltmeter, Electronic		X	X
PP-3940A/G	Power Supply			X
PP-4763/GRC	Power Supply			X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X

3. Applicable Publications:

- TM 11-5820-873-12
- TM 11-5820-873-20P
- TM 11-5820-873-34
- TM 11-5820-873-34P

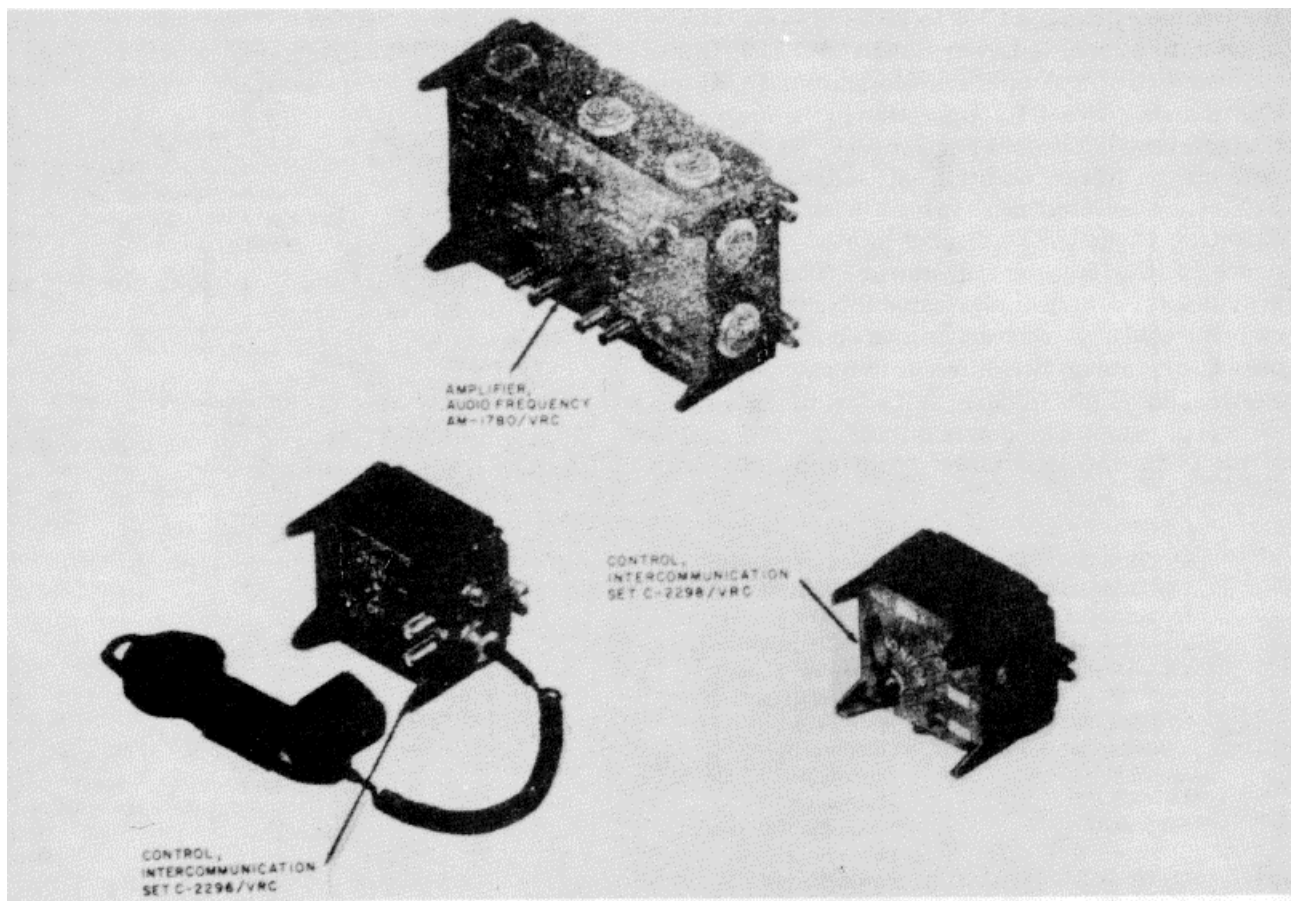


Figure 14. AN/VIC-1(V) Intercommunication Set

1. Brief Description: Intercommunication Set AN/VIC-1 (V) provides communication between members of a crew-served watercraft. This set is used where intercommunications facilities have not been otherwise provided as a part of a radio set. An intercommunication control, C-2298iVRC, is installed for each person who is to use the equipment. The amplifier, AM-1780/VRC, is the main function box for the AN/VIC-1(V). It provides control of the DC power to associated control boxes while amplifying and controlling the audio signals in the intercommunication circuits. One or more C-2298/VRC's can be connected to a C-2298/VRC that is connected to the AM-1780/VRC by using a

CX-4723/VRC Special Purpose Cable. All C-2298fVRC's operate independently of each other when so connected. The input power requirement is 24 volts DC at 2.5 amps. The following components comprise an operable intercommunication system installed on a watercraft.

AM-1780/VRC	Audio Frequency Amplifier
C-2298NVRC	Intercommunication Control
CX-4720NVRC	Cable Assembly, Power
CX-4723/VRC	Cable Assembly, Electrical
H-161()IU	Headset-Microphone

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No		0	F	H
AN/URM-105C	Multimeter	X		
AN/URM-120	Test Set, RF Power		X	X
AN/URM-127	Generator, Signal		X	X
AN/USM-223	Multimeter		X	X
CG-1471/U	Cable (3 ft)		X	X
CX-4720fVRC	Cable {(10 ft)		X	X
CX-4723NVRC	Cable (5 ft)		X	X
ME-30AIU	Voltmeter, Electronic		X	X
PP-1104/G	Power Supply		X	X
TK-100IG	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X
TS-723D/U	Analyzer, Spectrum		X	X

3. Applicable Publications:
 TM 11-5830-340-12 (Pertains to AN/VIC-1(V))
 TM 11-5965-262-13 (Pertains to H-161()/U)

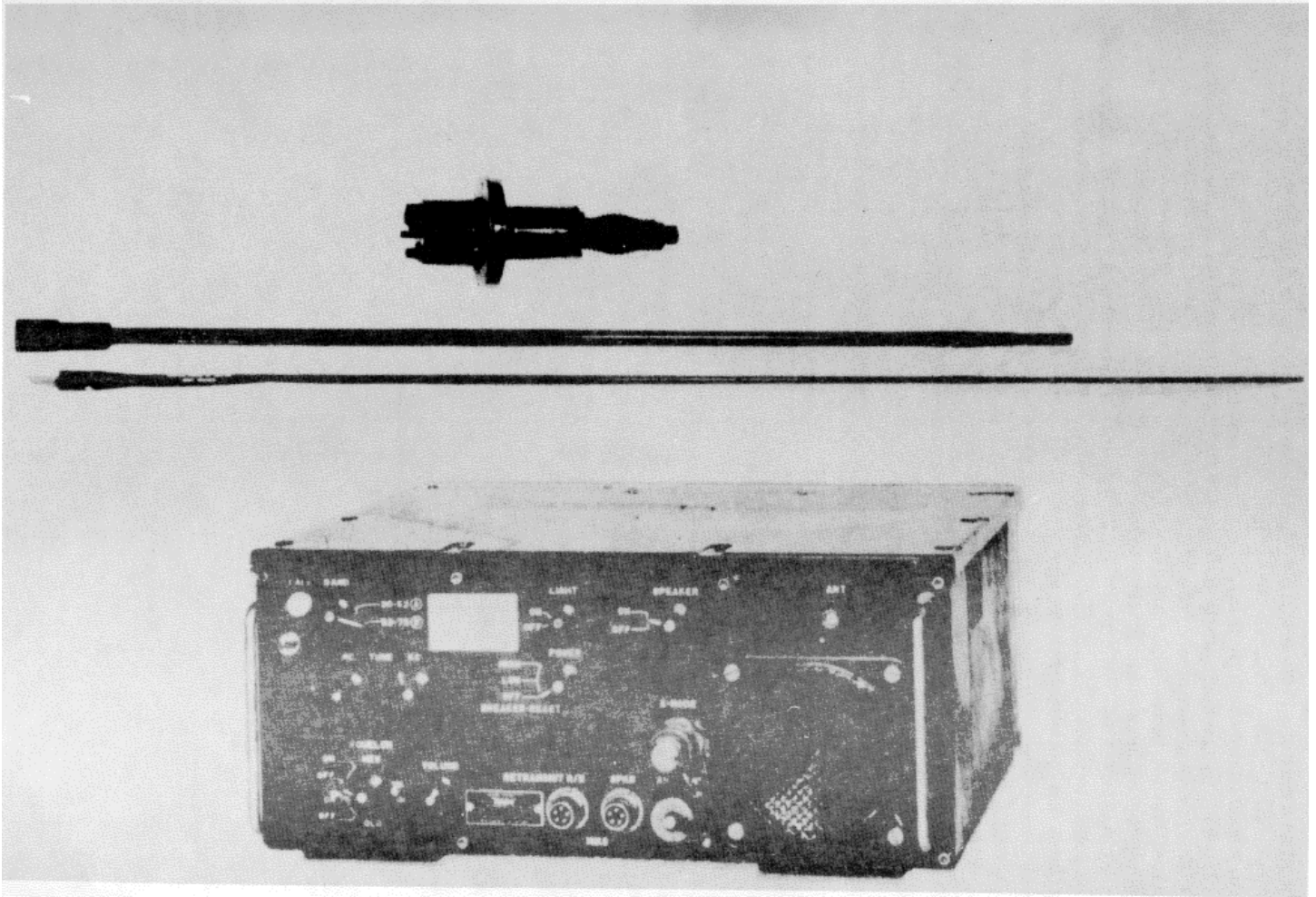


Figure 15. AN/VRC-46 Radio Set

1. Brief Description: Radio Set AN/VRC-46

provides short range, two-way, radio telephone communication in the 30.00 to 75.95 MHz range, using frequency-modulated (fm) transmission and reception. The transmitter power output is .5 to 8.0 watts in the low power mode, 35 watts in the high power mode. Power input requirement is 10 amperes

at 25.5 volts DC. Major components are:

AS-1729fVRC	Antenna
MT-1029/VRC	Mount (RT-524()VRC)
RT-524()IVRC	Receiver-Transmitter

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No		0	H	F
AN/GRM-50C	Generator, Signal			X
ANIURM-103	Generator, Signal			X
AN/URM-105C	Multimeter	X		
ANIURM-120	Test Set, RF Power		X	X
ANIURM-127	Generator, Signal		X	X
AN/URM-145	Voltmeter, Digital		X	X
AN/USM-207A	Counter, Electronic		X	X
AN/USM-223	Multimeter		X	X
AN/VRM- 1	Test Set, Radio	X		
CN-7961U	Attenuator, Fixed			X
DA-75/U	Dummy Load, Electrical		X	X
ME-26B'U	Multimeter		X	X
ME-30A/U	Voltmeter, Electronic		X	X
PP- 1104/U	Power Supply		X	X
TK-100/G	Tool Kit, Electronic		X	X
TK-101G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X
TS-723DIU	Analyzer, Spectrum			X

3. Applicable Publications:

- TM 11-5820-401-10-1
- TM 11-5820-401-10-2
- TM 11-5820-401-12
- TM 11-5820-401-20P
- TM 11-5820-401-34-2
- TM 11-5820-401-34-3
- TM 11-5820-401-34P-2-2
- TM 11-5820-401-35-1
- TM 11-5820-401-35-6
- TM 11-5820-401-35-7
- TM 11-5820-401-35-8
- TM 11-5820-401-35-9

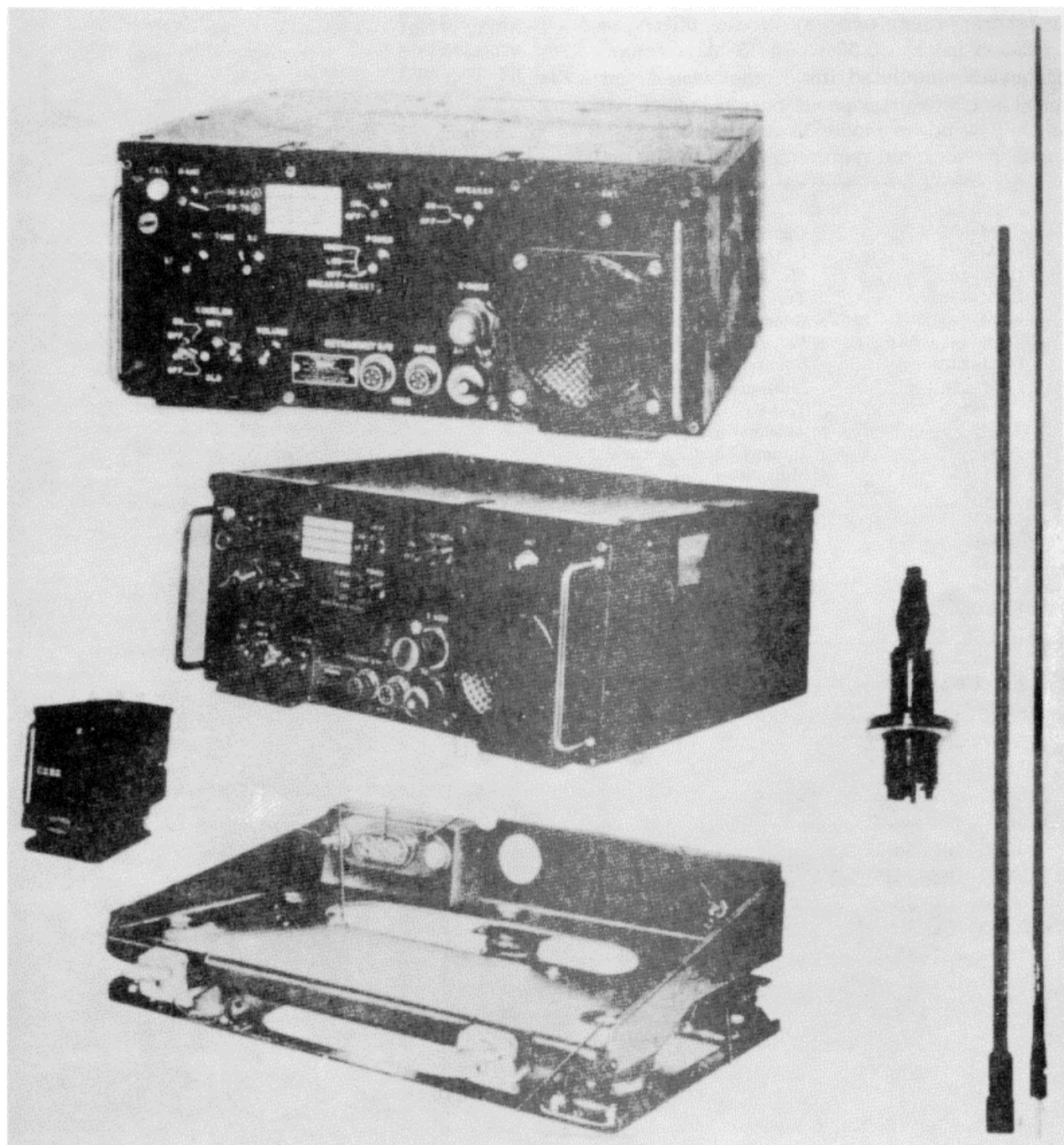


Figure 16. AN/VRC-47 Radio Set

1. Brief Description: Radio Set ANNRC-47 provides short range, two-way radio telephone communication in the 30.00 to 75.95 MHz range, using frequency-modulated (fm) transmission and reception. The transmitter power output is .5 to 8.0 watts in the low power mode and 35 watts in high power mode. This system is identical to the ANNVRC-46 except that AN/VRC-47 provides an auxiliary receiver to monitor frequencies other than that normally used for operation. The ANNVRC-47 is normally installed on command vessels or for special marine craft applications. Input power

requirement is 10 amperes at 25.5 volts DC. Major components are:

AB-558NRC	Base, Mount
AS-1729/VRC	Antenna
MS-116A	Antenna Element (R-442/VRC)
MS-117A	Antenna Element (R-442NVRC)
MS-118A	Antenna Element (R-442/VRC)
MT-1029NVRC	Mount (RT-524NRC)
MT-1898/VRC	Mount (R-442/VRC)
R-442NRC	Receiver
RT-524()/VRC	Receiver-Transmitter

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No		O	F	H
AN/GRM-50C	Generator, Signal			X
AN/URM-103	Generator, Signal			X
AN/URM-105C	Multimeter	X		
AN/URM-120	Test Set. RF Power		X	X
AN/URM-127	Generator, Signal		X	X
AN/URM-145	Voltmeter, Electronic		X	X
AN/USM-207A	Counter, Electronic		X	X
AN/USM-223	Multimeter		X	X
AN/VRM-1	Test Set, Radio	X		
CN-796/U	Attenuator, Fixed			X
DA-75/U	Dummy Load, Electrical		X	X
ME-26B/U	Multimeter		X	X
ME-30A/U	Voltmeter, Electronic		X	X
PP-1104/U	Power Supply		X	X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit. Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X
TS-723D/U	Analyzer, Spectrum			X

- 3. Applicable Publications:**
 TM 11-5820-401-10-1
 TM 11-5820-401-'1Q-2
 TM 11-5820-401-12
 TM 11-5820-401-20P
 TM 11-5820-401-34-2
 TM 11-5820-401-34-3
 TM 11-5820-34P-2-2
 TM 11-5820-401-35-1
 TM 11-5820-401-35-6
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 TM 11-5820-401-35-9
 TM 11-5820-401-35-9

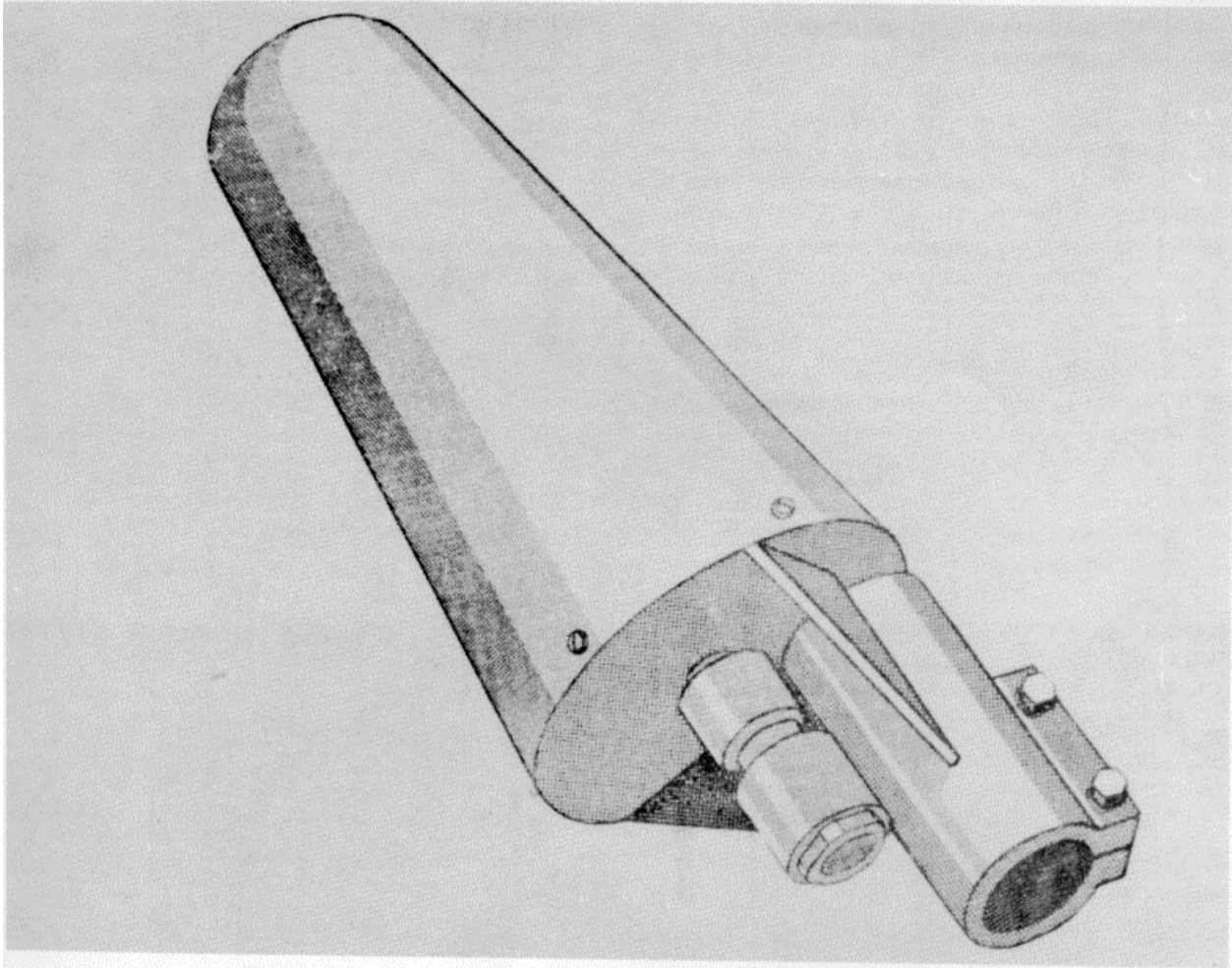


Figure 17. AS-177B/U Antenna Assembly

1. Brief Description: Antenna Assembly AS-177BIUPX is an omni-directional antenna for shipboard and land-base installation designed to permit operation in the 1010 to 1110 MHz band A filter is included as an integral part of the antenna to attenuate frequencies over 1200 MHz. This

antenna is used with AN/APX-72 system installed on Army watercraft.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc

Type No		0	F	H
TK-101/G	Tool Kit. Electronic	X		

3. Applicable Publications:
TM 11-5895-349-14

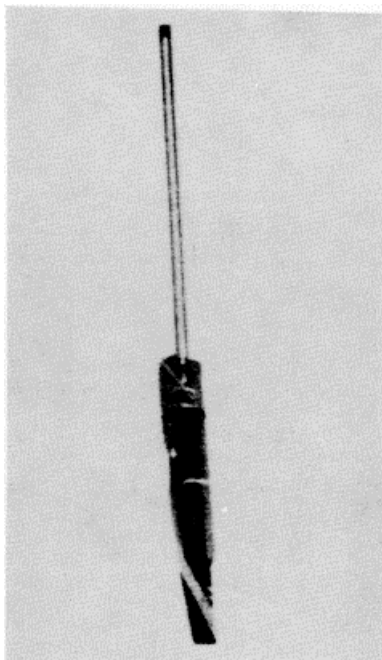


Figure 18. AS-3095/URC Antenna

1. Brief Description: The AS-3095/URC Antenna is a vertical whip used in conjunction with the AN/URC-80(V)1 Radio Set for both transmitting and receiving over a frequency range of 156.3 to 162.0 MHz. The antenna consists of the vertical

elements, the base assembly and miscellaneous installation hardware.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, and NSN.

Type No.		0	F	H
AN/URM-105C	Multimeter	X		
TK-101/G	Tool Kit, Electronic	X		

3. Applicable Publications: Not definitized at the time of this printing.

(ILLUSTRATION NOT AVAILABLE)

Figure 19. KIT-1A/TSEC Computer

1. Brief Description: The KIT-1A/TSEC computer is required for mode 4 operation of IFF Transponders such as the AN/APX-72 or AN/APX-100. The computer processes mode 4 interrogations and prepares the coded reply for transmission. The transponder can be operated without the computer. However, when the computer is used, mode 4 interrogations bypass the decoder in the transponder

and are applied direct to the KIT-1A/TSEC. The technical characteristics are classified. The following item is used with but not issued as part of the KIT-1A;TSEC:

MT-3949A/U Mount

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type no.		O	F	H
AN/USM-223	Multimeter		X	X
AN/USM-281A	Oscilloscope		X	X
PP-4838/U	Power Supply		X	X
TK-100G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit. Electronic		X	X
TSEC/ST-21	Test, Set, Bench		X	X

NOTE

Refer to TM 11-5810-242-12P for special tools and test equipment.

3. Applicable Publications:

- TM 11-5810-242-12P
- TM 11-5810-252-34P
- TM 11-5810-285-12

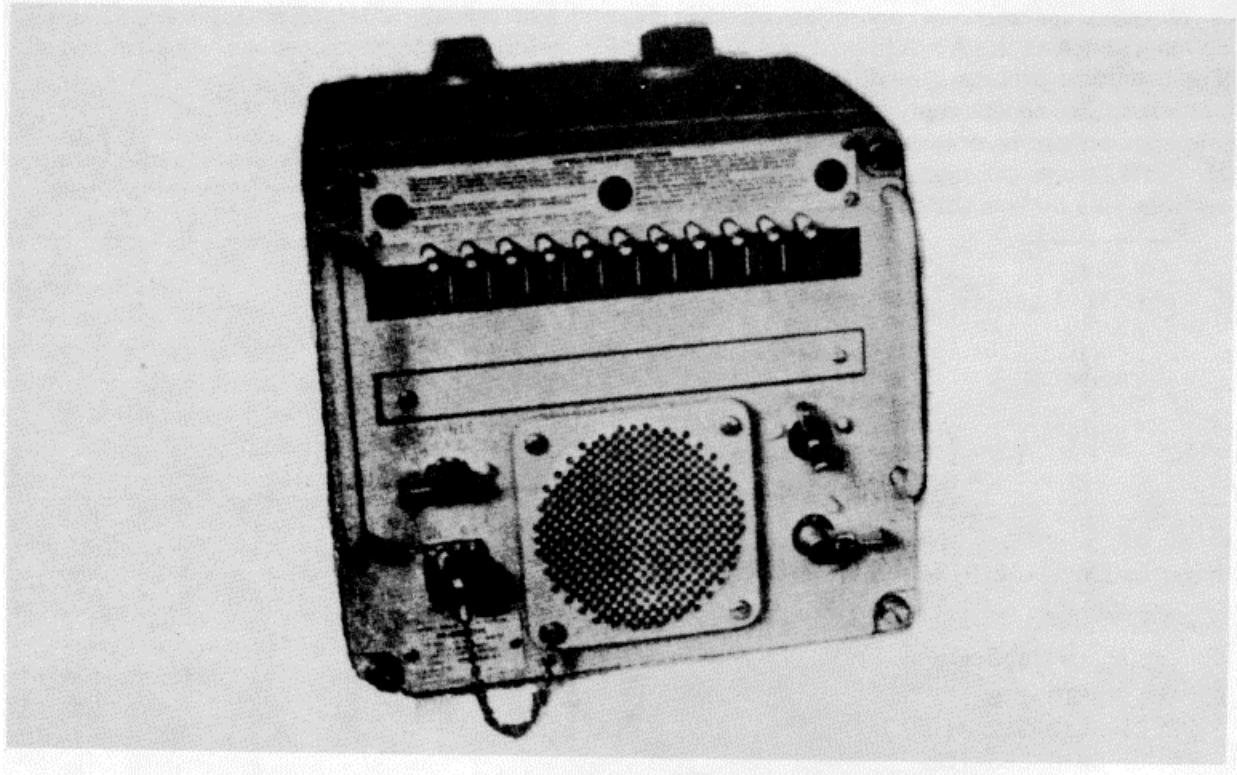


Figure 20. LS-518A/SIC Intercommunication Set

1. Brief Description: The LS-518A/SIC is an intercommunication system which consists of a number of identical, permanently located stations. Each unit contains all necessary equipment to provide two-way voice communication between any two stations or from one station up to nine other stations simultaneously. A system may consist of two or more stations and remote stations for a total

of 10 areas. The power input requirement is 115 volts AC. 60 Hz single phase, at 60 watts The weight of this set is 24 lbs.

2. Applicable Tools and Test Equipment: Not (definitized at the time of this printing.

3. Applicable Publications: Not definitized at the time of this printing

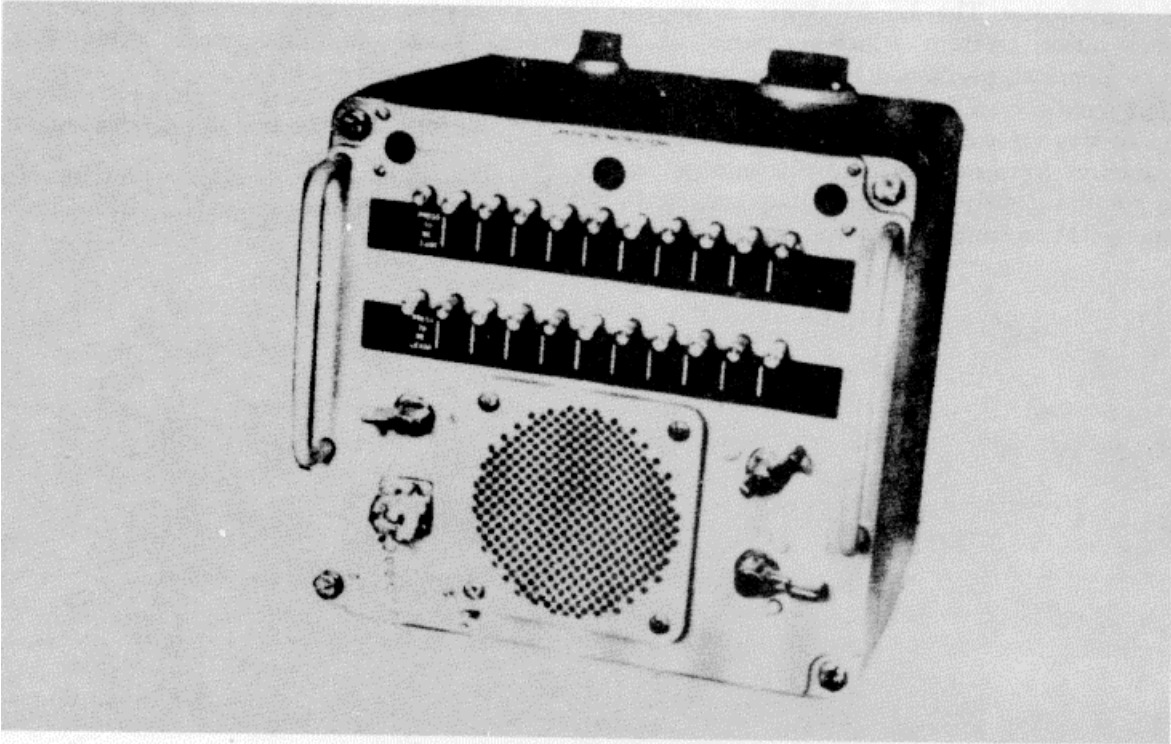


Figure 21. LS-519A/SIC Intercommunications Set

1. Brief Description: The LS-519A/SIC is an intercommunication system which consists of a number of identical, permanently located stations. Each unit contains all necessary equipment to provide two-way voice communication between any two stations or from one station up to 19 other stations simultaneously. A system may consist of two or more stations and remote stations for a total

of 20 areas. The power input requirement is 115 volts AC, 60 Hz single phase, at 60 watts. The weight of this set is 26 lbs.

2. Applicable Tools and Test Equipment: Not definitized at the time of this printing.

3. Applicable Publications: Not definitized at the time of this printing.

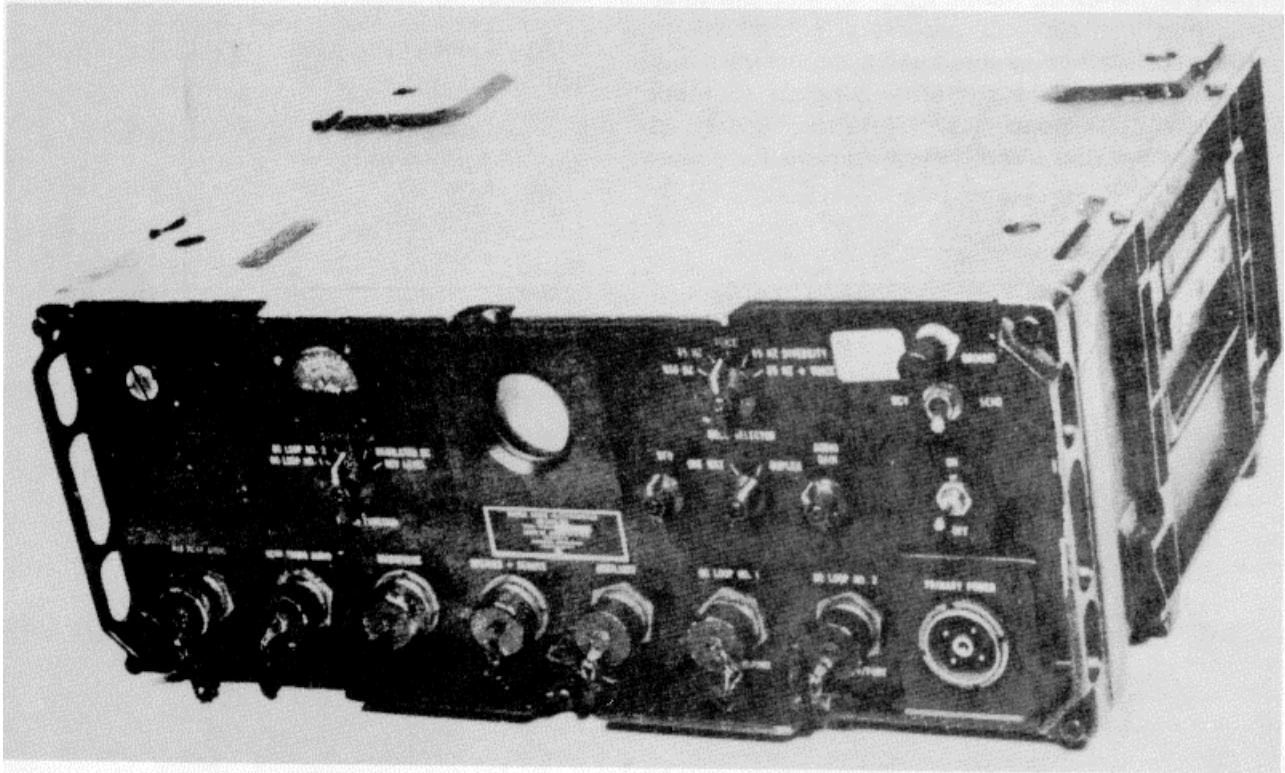


Figure 22. MD-522A/GRC Modem

1. Brief Description: Radio Teletypewriter Modem MD-522A/GRC is a transistor modulator- demodulator used with but not part of the Radio Teletypewriter System installed on Army water- craft. The MD-522AIGRC permits transmission and/or reception (transception) of teletypewriter data and voice communications. Modes of operation include frequency shift keying (fsk), narrow shift keying (nsk), voice only, frequency diversity and nsk plus voice. The fsk operation uses a 2,000 Hz center frequency, and nsk operation uses a 2,805 Hz center frequency. Frequency diversity operation utilizes a second nsk center frequency of 425 Hz. Type of operation provided are one-way reversible trans-

mission and reception, and duplex (simultaneous) transmission and reception. The modulator section of the modem accepts current pulses in a standard code from a sending teletypewriter and converts them into audio tones. These tones are applied to an external exciter for transmission. The demodulator section accepts audio tones from an external receiver and converts them into current pulses, which operate a receiving teletypewriter. Input power requirement is 27 volts DC at 1.4 amperes.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No.		O	F	H
AN/UGM-1	Test Set, Teletypewriter		X	X
AN/URM-105C	Multimeter	X		
AN/URM-127	Generator, Signal		X	X
AN/URM-145	Voltmeter, Electronic		X	X
AN/USM-207A	Counter, Frequency		X	X
AN/USM-223	Multimeter		X	X
AN/USM-281A	Oscilloscope		X	X
H-33/PT	Handset		X	X
ME-26D/U	Multimeter		X	X
ME-30A/U	Voltmeter, Electronic		X	X
PP-3940A/G	Power Supply		X	X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X

3. Applicable Publications:

- TM 11-5805-387-15-2
- TM 11-5805-387-20P-2
- TM 11-5805-387-34P-2

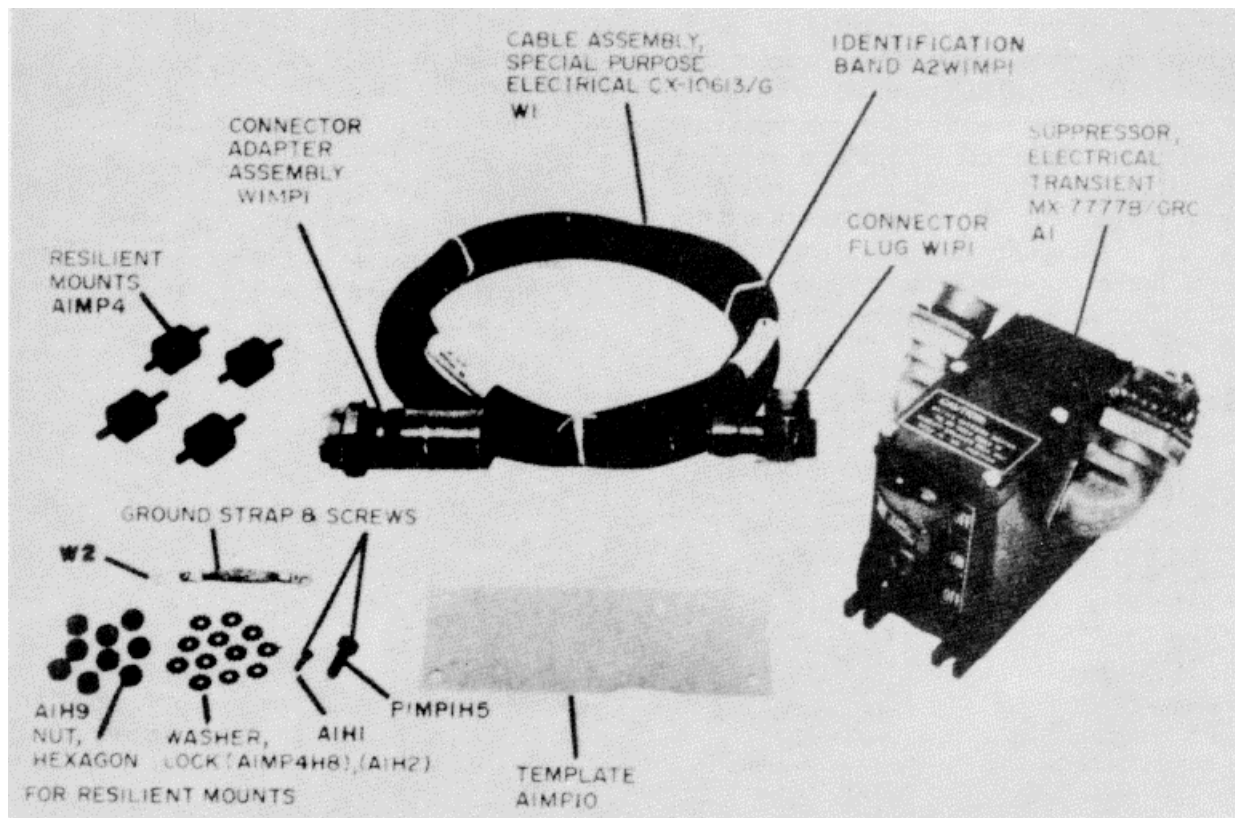


Figure 23. Electrical Transient Suppressor MX-7778A/GRC

1. Brief Description: The MX-7778A/GRC Electrical Transient Suppressor protects radio equipment mounted in Army watercraft from damage caused by excessive voltage transients greater than 32 vdc. The suppressor also protects radio equipment from damage caused by inadvertent reversing of the DC power leads. Transistorized radio sets are particularly susceptible to damage from the above causes. The suppressor is normally installed between the DC power source and the radio sets, more than one radio set may be connected to the suppressor, so long as the total current drain does not

exceed 50 amperes. A BATTLE OVERRIDE switch protected by a guard permits the operator to apply power direct to the radio sets in emergencies, temporarily bypassing the protective circuits. The input power requirement is 28 volts DC. Major components of the MX-7778A]GRC are:

CX-10613/G Cable Assembly, Electrical
MX-7777B/GRC Electrical Transient Suppressor

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No		0	F	H
ME-26D/U	Multimeter			X
PP-1104CIG	Power Supply			X
TK-100/G	Tool Kit, Electronic		X	X
TK-101G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X

3. Applicable Publications:

TM 11-5915-224-14
TM 11-5915-224-24P

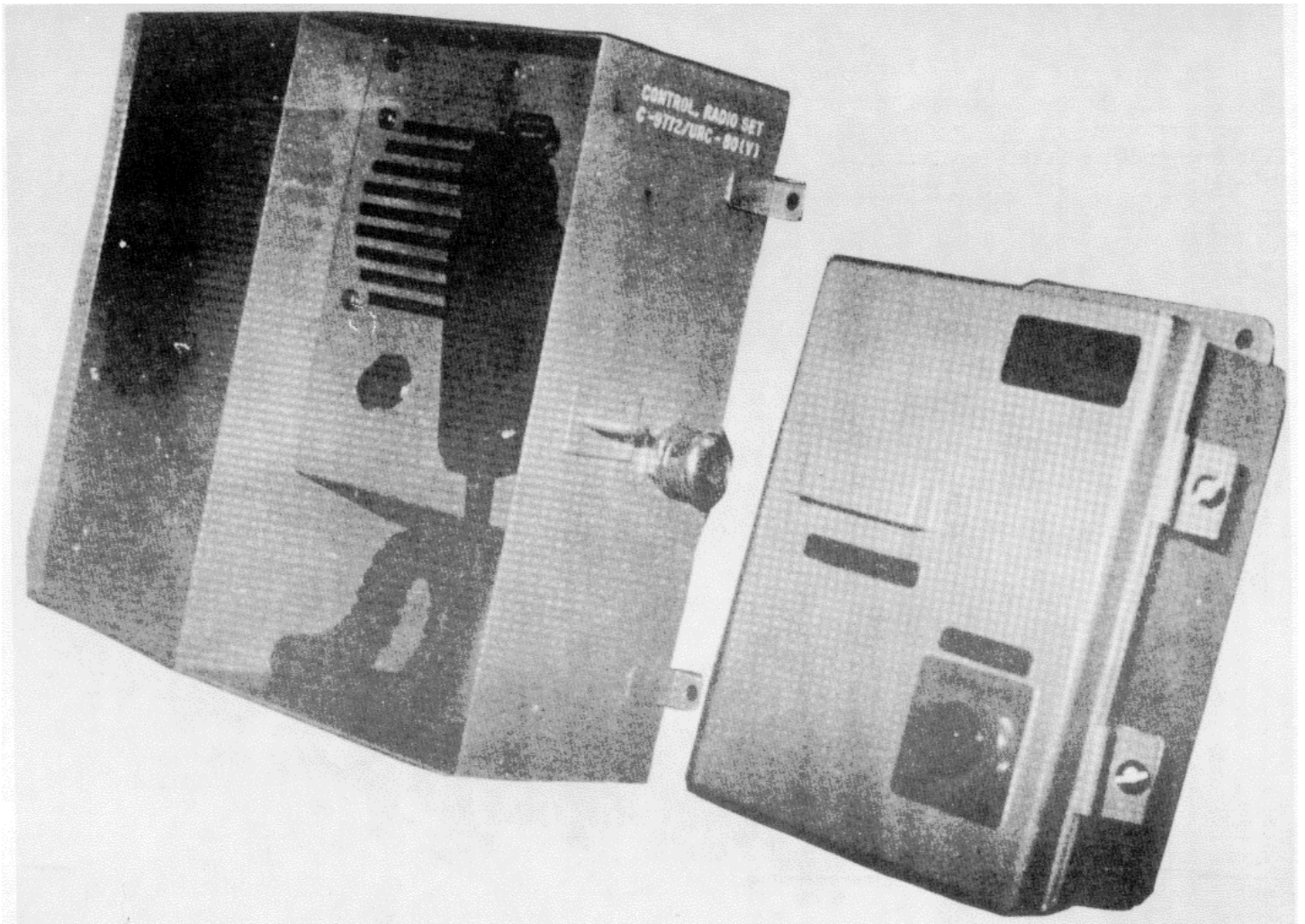


Figure 24. OK-295/URC-80(V) Control group

1. Brief Description: The OK-295/URC-80(V) Radio Set Control Group is used with the ANIURC-80(V)1 for remote control within various parts of a vessel. The input power is provided from the AN/URC-80 and the unit weight is 15 lbs. Components making an operable system are as follows:

C-9772/URC-80(V)	Control, Radio Set
J-3318/URC-801V)	Interconnecting Box
M-80C/U	Microphone

2. Applicable Tools and Test Equipment: Not definitized at the time of this printing.

3. Applicable Publications: Not definitized at the time of this printing

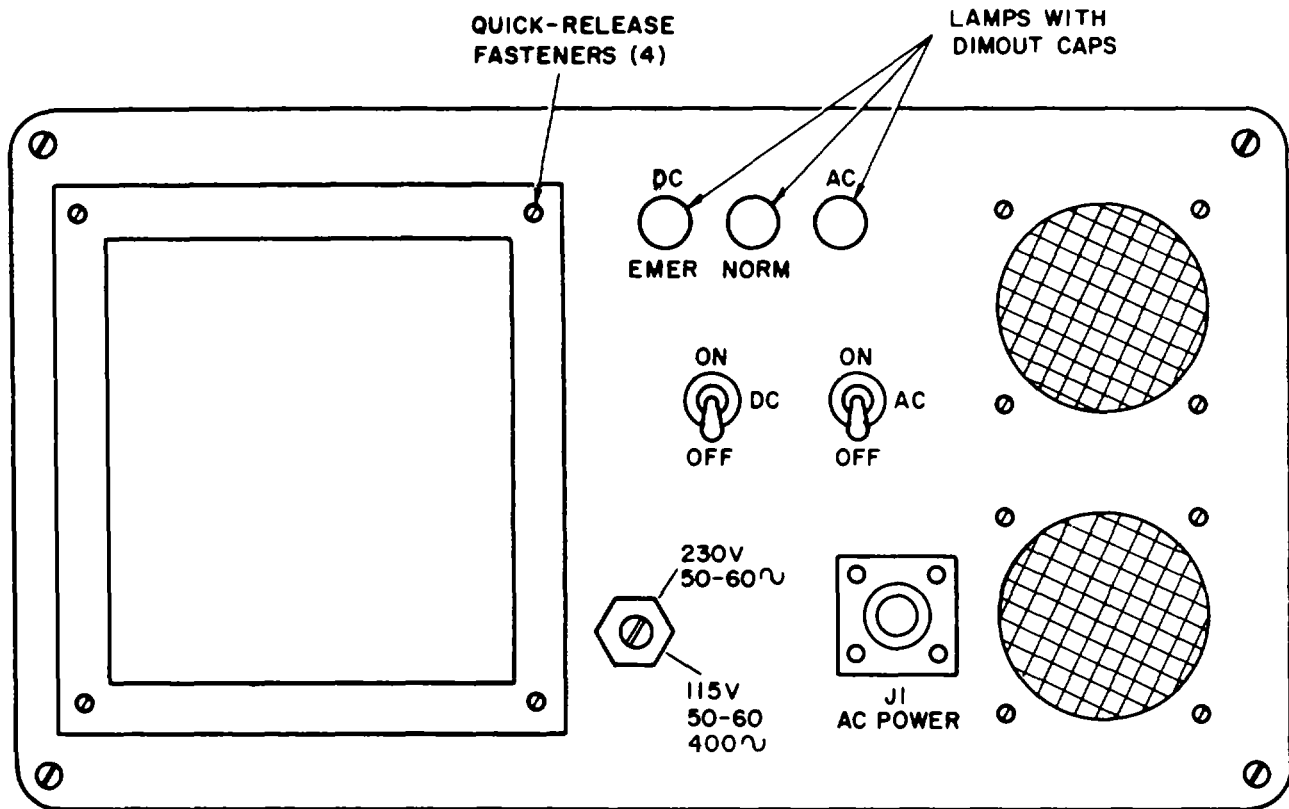


Figure 25. PP-2953 ()/U Power Supply

1. Brief Description: Power Supply, PP-2953()/U, is used to provide a source of regulated 25.2 volts DC to operate the ANIVRC-46 or AN/VRC-47 radio sets. The power supply is capable of operating from either a 115 or 230 volt AC, 50 to 60 Hz or 115 volt AC, 400 Hz power source. The power supply can also power any other equipment requiring 25.2 volts DC at approximately 10 amperes. Automatic changeover to an external 24 volt DC power source is provided in the event of an AC power supply failure. Power input requirements are 115 volt AC, 50-60 Hz at 4 amperes or 115 volt AC, 400 Hz at 4

amperes or 230 volts AC, 50-60 Hz at 2 amperes The following cable is supplied with the PP-2953 ()U:

CX-4524/U Cable Assembly, Power
The following cables may be required but are not issued as part of the PP-2953()/U:

CX-4720/VRC Electrical Power Cable
Assembly (DC input) (10 ft)
CX-4721/VRC Electrical Power Cable
Assembly (DC output)

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No		0	F	H
AN/URM-105C	Multimeter	X		
AN/USM-223	Multimeter		X	X
AN/USM-281A	Oscilloscope		X	X
CN-16/U	Transformer, Variable Power			X
ME-30A/U	Voltmeter, Electronic			X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X
TS-1836B/U	Test Set, Semiconductor		X	X

3. Applicable Publications:

TM 11-6130-233-12
TM 11-6130-233-24P
TM 11-6130-233-35

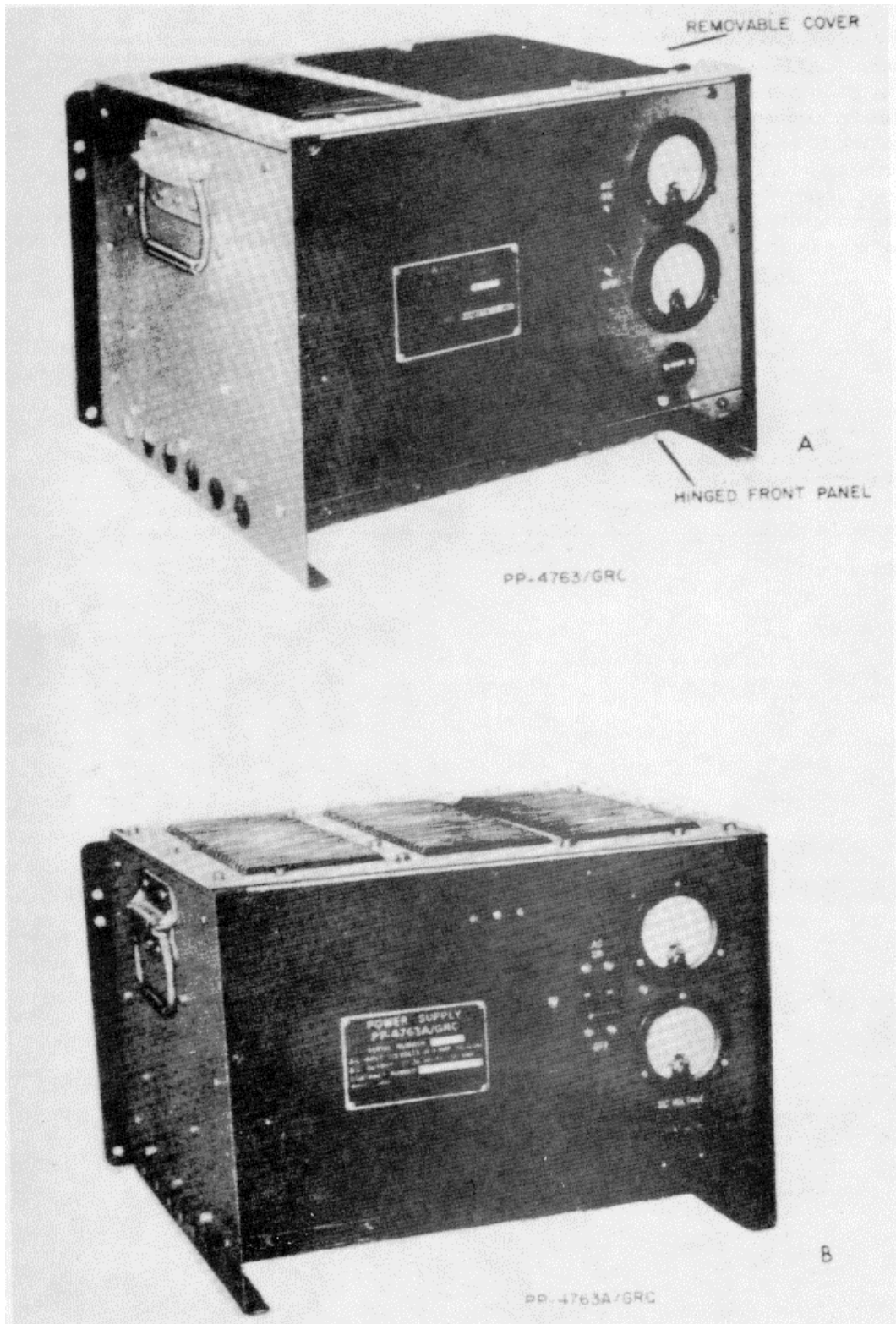


Figure 26. PP-4763/GRC & PP-4763AGRC Power Supply

1. Brief Description: Power Supply PP-4763,GRC converts 115 volts AC to direct current (DC) at a selected regulated voltage. The PP-4763A/GRC converts either 115 or 230 volts AC to a selected regulated DC voltage. The power suppress function in a similar way; both provide a DC power source for communication equipment or any type of load with requirements within their voltage and current ratings. Input power requirements are' 115 volts AC

plus a minus 10 percent at 47 to 63 Hz (PP-4763iG RC) and 115 volts or 230 volts or plus or minus 10 percent at 47 to 63 Hz (PP-4763A/GRC). The power output is 28 volts DC at 50 amperes under full load.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN. etc.

Type No		0	F	H
AN/URM-105C	Multimeter	X		
AN/USM-223	Multimeter		X	X
AN/USM-98	Voltmeter. Electronic		X	X
AN/USM-281A	Oscilloscope		X	X
ME-30AIU	Voltmeter. Electronic		X	X
TF-171/USM	Transformer		X	X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit. Electronic		X	X

3. Applicable Publications:
 TM 11-5820-765-12
 TM 11-5820-765-34P-1
 TM 11-5820-765-35

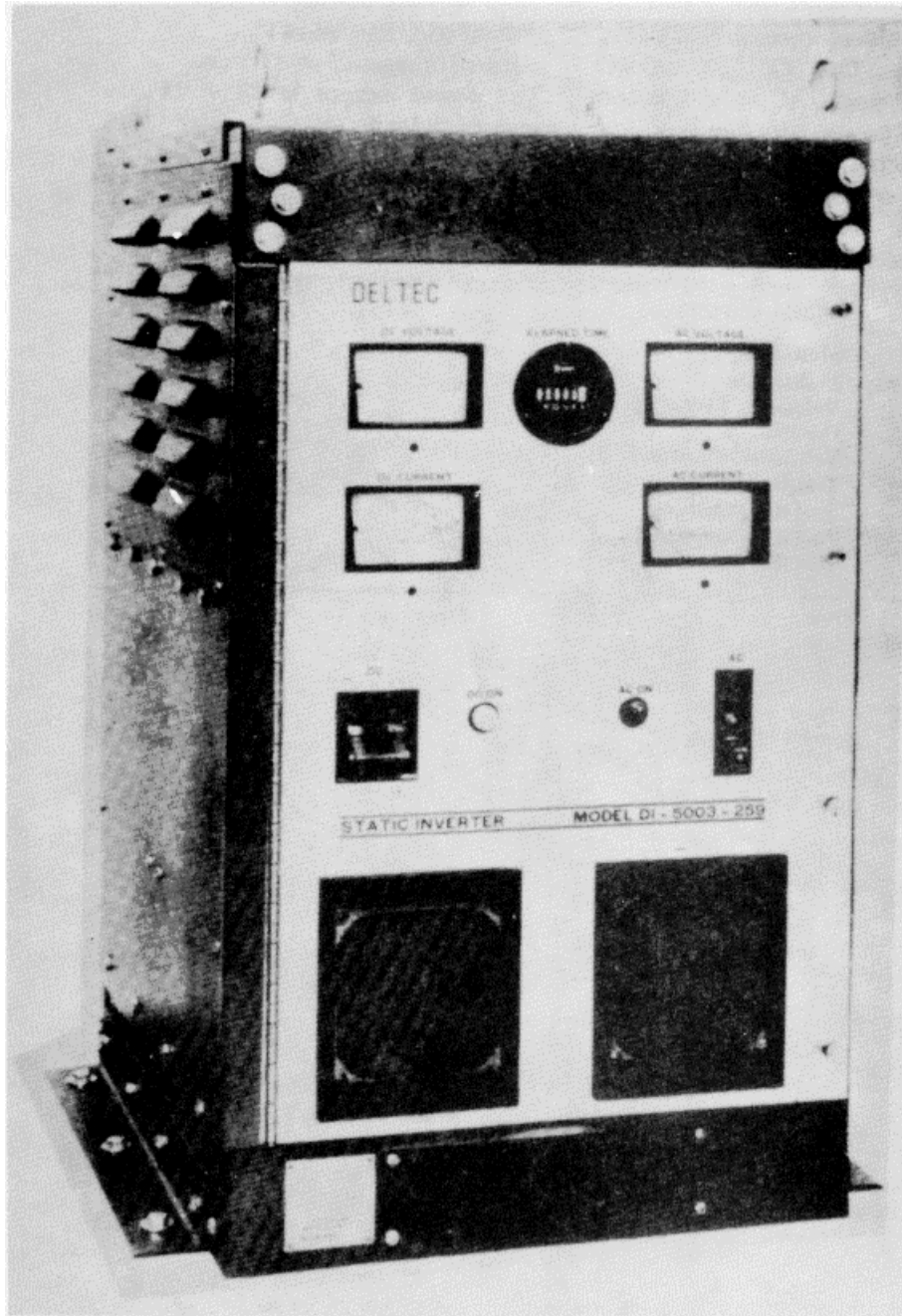


Figure 27. PP-7078/U Static Inverter

1. Brief Description: The PP-7078/U is a general purpose, direct current to alternating current, static inverter which provides a 120 volt AC, 60 Hz, 50 amperes (5 k W) power source for use in locations where the primary power source is 110 volts DC. Two inverters can be connected in parallel to provide twice the power output, 100 amperes (10 k

W), if required. The input power requirement is 104 to 141 volts DC (110 volts DC nominal). The output voltage is 120 volts AC RMS plus or minus 5 per- cent.

2. Applicable Tools and Test Equipment: See Appendix B for nomenclature, NSN, etc.

Type No		0	F	H
AN/GSM-64B	Voltmeter. Digital			X
AN/URM-105C	Multimeter	X		
AN/USM-207A	Counter. Electronic			X
AN/USM-223	Multimeter			X
AN/USM-281A	Oscilloscope			X
TK-100/G	Tool Kit. Electronic		X	X
TK-101G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X
TS-723D/U	Analyzer. Spectrum			X
2591 (DELTEC)	Load Bank			X
2592 (DELTEC)	Power Source, DC, Variable			X

3. Applicable Publications:

- TM 11-6130-377-14
- TM 11-6130-377-24P

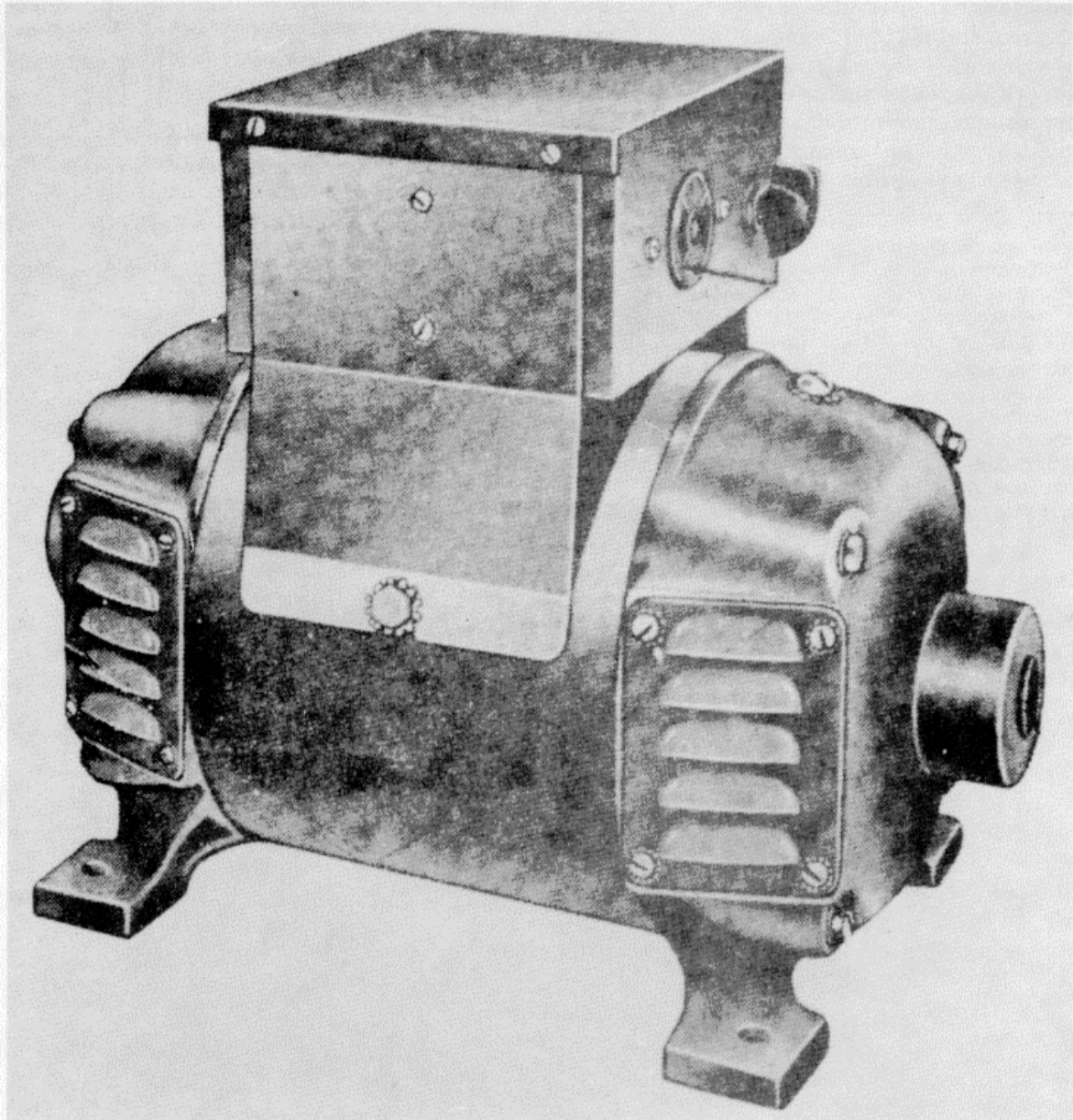


Figure 28. PU-140 Rotary Converter

1. **Brief Description:** The PU-140 Rotary Converter is a fan-ventilated, semi-enclosed unit. Filter boxes are located either on the top or the side of the unit. Inspection covers are provided on both ends and mounting feet are provided to support the rotary converter on the floor or foundation. The rotary converter is used to convert 110 volt DC to 110 volt AC, 60 Hz at 500 watts at a power factor of not

lower than 80 percent. It is intended primarily to supply AC power for fixed station and shipborne radio receiving and transmitting equipment. The power input requirement is 115 volts DC, 8.0 amperes. The weight is 58 lbs.

2. **Applicable Tools and Test Equipment:** See Appendix B for nomenclature and NSN

Type N		O	F	H
ANIURM-105C	Multimeter	X		
ANIUSM-223	Multimeter			X
FR-40/GSM-1	Meter, Frequency			X
ME-65A/U	Ammeter		X	X
MX-15701G	Thermometer			X
TK-1001G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-105/G	Tool Kit, Electronic		X	X
TS-806/U	Tachometer		X	X
TS-914/U	Test Set, Power	X		
ZM-21BIU	Ohmmeter			X
	Grease Gun	X		
	Spring Scale	X		

3. **Applicable Publications:**

- TM 11-5507
- TM 11-6125-214-20P
- TM 11-6125-214-34P

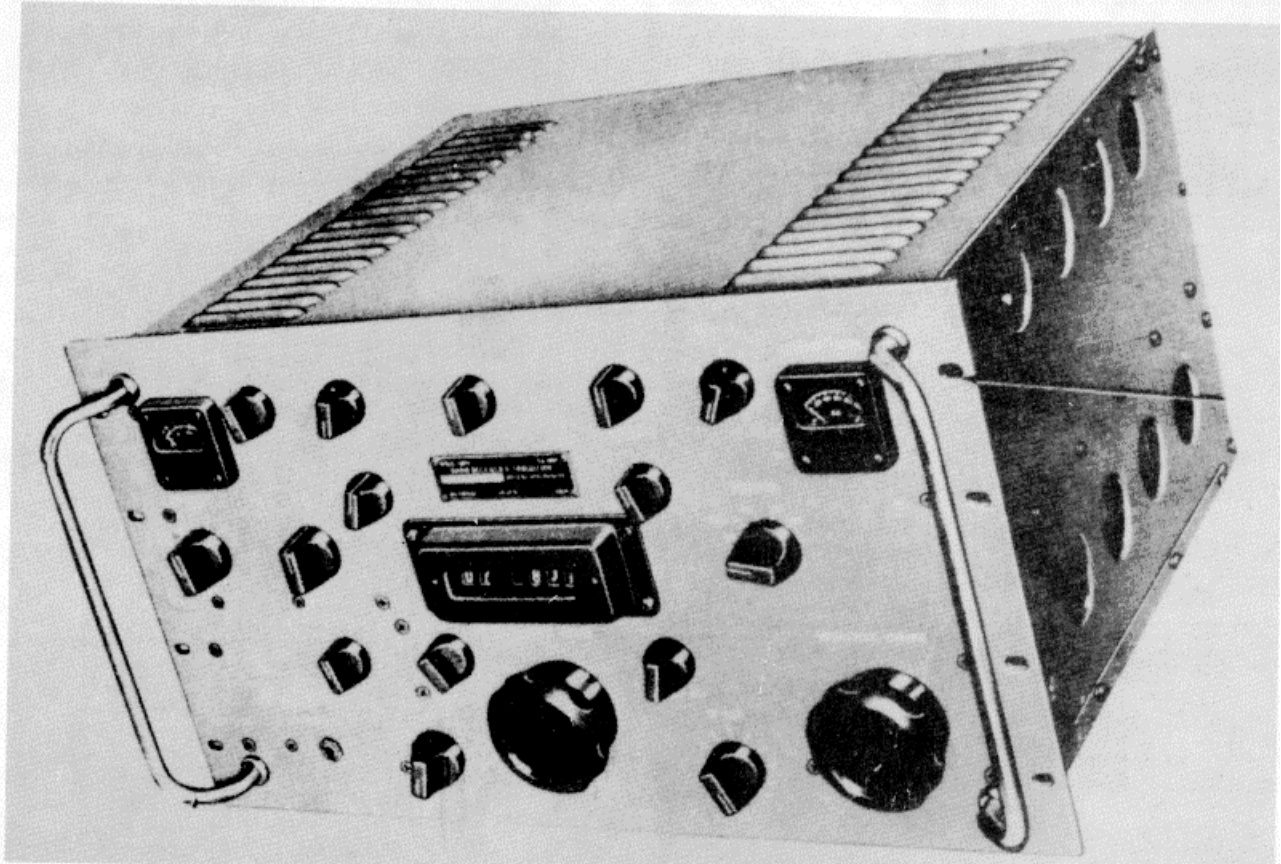


Figure 29. R-390A/URR Radio Receiver

1. **Brief Description:** The R-390A/URR is a general-purpose receiver for use in both fixed and mobile applications. The receiver provides reception of continuous-wave (cw), modulated-continuous-wave (mcw), amplitude-modulated (am), frequency-shift keyed (fsk) and single-sideband (ssb) signals. The receiver furnishes audiofrequency (af) output power to a local loudspeaker and headset. An intermediate frequency output is also provided so that received

radio teletypewriter signals may be fed to other conversion equipment for conversion into signals usable by teletypewriter printers. Frequency range is 0.5 to 32 MHz. Input power requirement is 115 to 230 volts at 250 watts.

2. **Applicable Tools and Test Equipment:** See Appendix B for nomenclature, NSN, etc.

Type No		O	F	H
AN/URM-25D	Generator, Signal		X	X
AN/URM-105C	Multimeter	X		
ANIURM-127	Generator, Signal		X	X
AN/USM-44B	Generator, Signal			X
ANIUSM-159	Meter, Frequency		X	X
AN-USM-223	Multimeter		X	X
H-113/U	Headset		X	X
ME-26D/U	Multimeter		X	X
ME-30A/U	Voltmeter, Electronic		X	X
MK-288/URM	Kit, Maintenance		X	X
MX-12921PAQ	Assembly, Light			X
OS-8/U	Oscilloscope			X
TK-100/G	Tool Kit, Electronic		X	X
TK-101/G	Tool Kit, Electronic	X		
TK-1051G	Tool Kit, Electronic		X	X
TS-585C/U	Meter, Audio Output			X
TS-723D/U	Analyzer, Spectrum			X
TV-7D/U	Test Set, Electron Tube	X	X	X

3. **Applicable Publications:**

- TM 11-5820-358-10
- TM 11-5820-358-20
- TM 11-5820-358-20P
- TM 11-5820-358-34P
- TM 11-5820-358-35

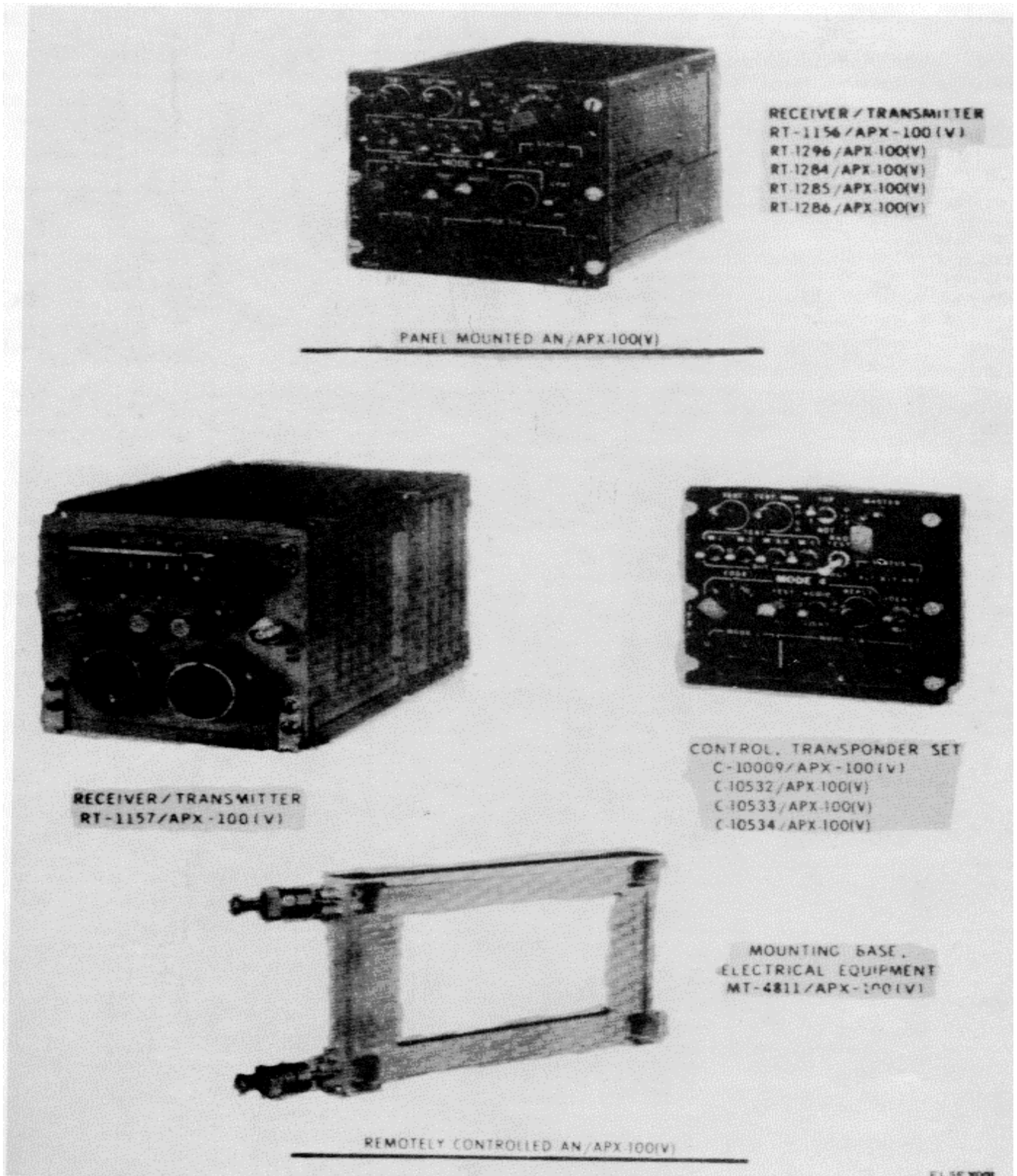


Figure 30. RT-1157(), RT-1285(), RT-1296() Transponder Set

1. **Brief Description:** The RT-1157(), RT-1285(), and RT-1296() are light-weight space diversity transponders which function to receive RF in- terrogations from two antennas and transmit a reply to the antenna from which the stronger in- terrogation signal was received. They operate in Modes 1, 2, 3/A, C and 4 and have a built in test capability in all modes. Special reply features available to the operator include Emergency, I/P and X Pulse. These transponders transmit on a frequency of 1090 MHz and receive on 1030 MHz. Input power requirement is 28 volts DC at 35 watts. The "A" models of this family of transponders are

product improved versions of the original production configuration. Configuration differences are as follows:

- RT-1157(I)APX-100(V) Remote mounted unit
- MT-4811()/APX- 100 Mount for RT- 1157
- C-10533()/APX-100 Panel mounted control (28 volt red lighting) for RT- 1157
- RT-1285()/APX-00(V) Panel mounted unit with 28 volt, red lighting
- RT-1296()IAPX-100(V) Panel mounted unit with 5 volt red lighting

2. **Applicable Tools and Test Equipment:** See Appendix B for nomenclature, NSN, etc.

<i>Type No.</i>		<i>O</i>	<i>F</i>	<i>H</i>
* AN/APM-123A	Test Set, Transponder	X		
TK-101/G	Tool Kit Electronic	X		

NOTE

These equipments are under a US Navy/US Army Augmented Logistics Support Program. Under the ILS Program, any set which becomes un-serviceable will not be opened nor any attempt made to repair it locally Upon

verification of a failure at DS level, all defective components should be returned to the manufacturer in accordance with instructions contained in applicable TM

3. **Applicable Publications:**
 TM 11-5895-1037-12

(Illustration Not Available)
RT-1285()/APX-100(V) Transponder Set

Brief Description: Refer to data sheet for RT-1157()/APX-100(V).

(Illustration Not Available)
RT-1296()APX-10(V) Transponder Set

Brief Description: Refer to data sheet for RT-1157()/APX-100(V).

*Planned for replacement by the AN/APM-378

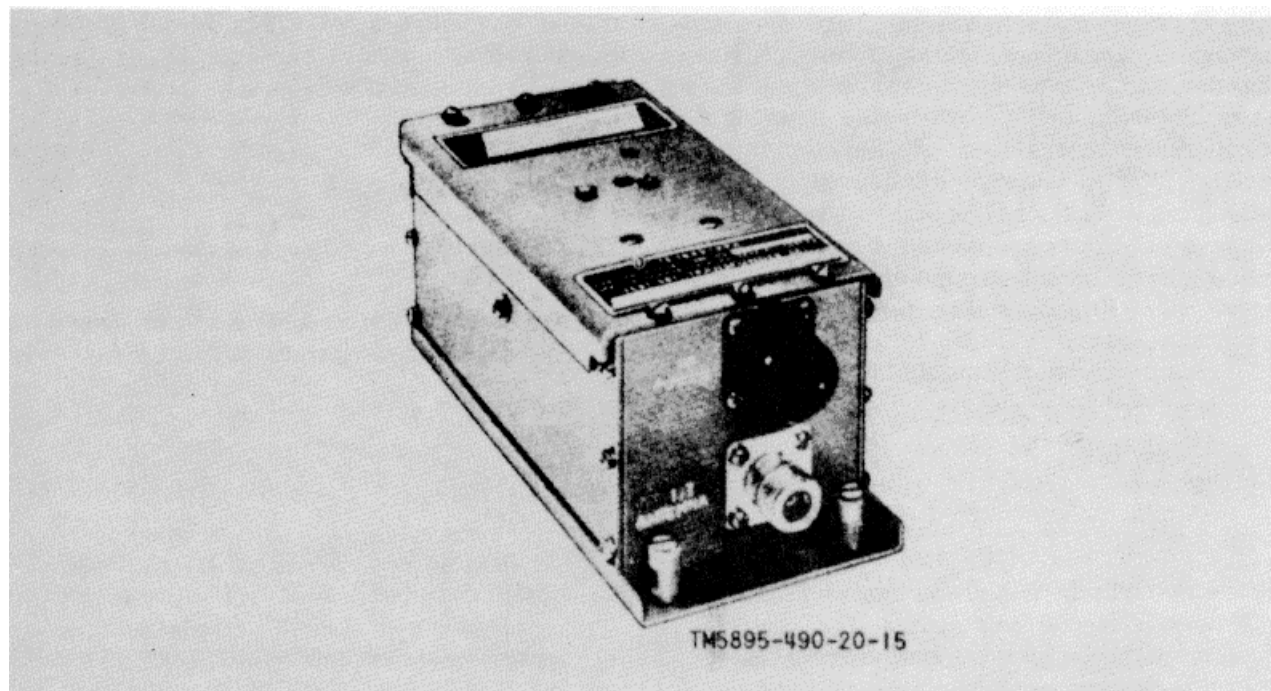


Figure 31. TS-1843()/APX Transponder Test Set

1. **Brief Description: Transponder** Test Set TS-1843()/APX is designed to perform "confidence" testing of the AN/APX-72 Transponder on a go-no-go basis. It will check the transponder functions of receiver frequency, sensitivity, decoding, and transmitter frequency, power, and coding (bracket pulse only). In addition, the test set will check VSWR of the antenna system while monitoring transponder responses to operational interrogation. It generates test signals

initiated by the operator using the test position of the various modes as Identified by the select switches of the C-6280(P)/APX control. Input power requirement is 21 to 29 volts DC at 20 watts. The following component is used with the TS-1843()/APX:

MT-3513/APX Mount

2. **Applicable Tools and Test equipment:** See Appendix B for nomenclature, NSN, etc.

Type No	O	F	H
* ANIAPM-123	X		
TK-101/G	X		

NOTE

No DS or GS maintenance is authorized. Refer to TM 11-6625-1646 Series for depot level tool and test equipment requirements.

3. Applicable Publications:
 TM 11-6625-1646-24-1
 TM 11-6625-1646-25

(*) Planned for replacement by the AN/APM-378

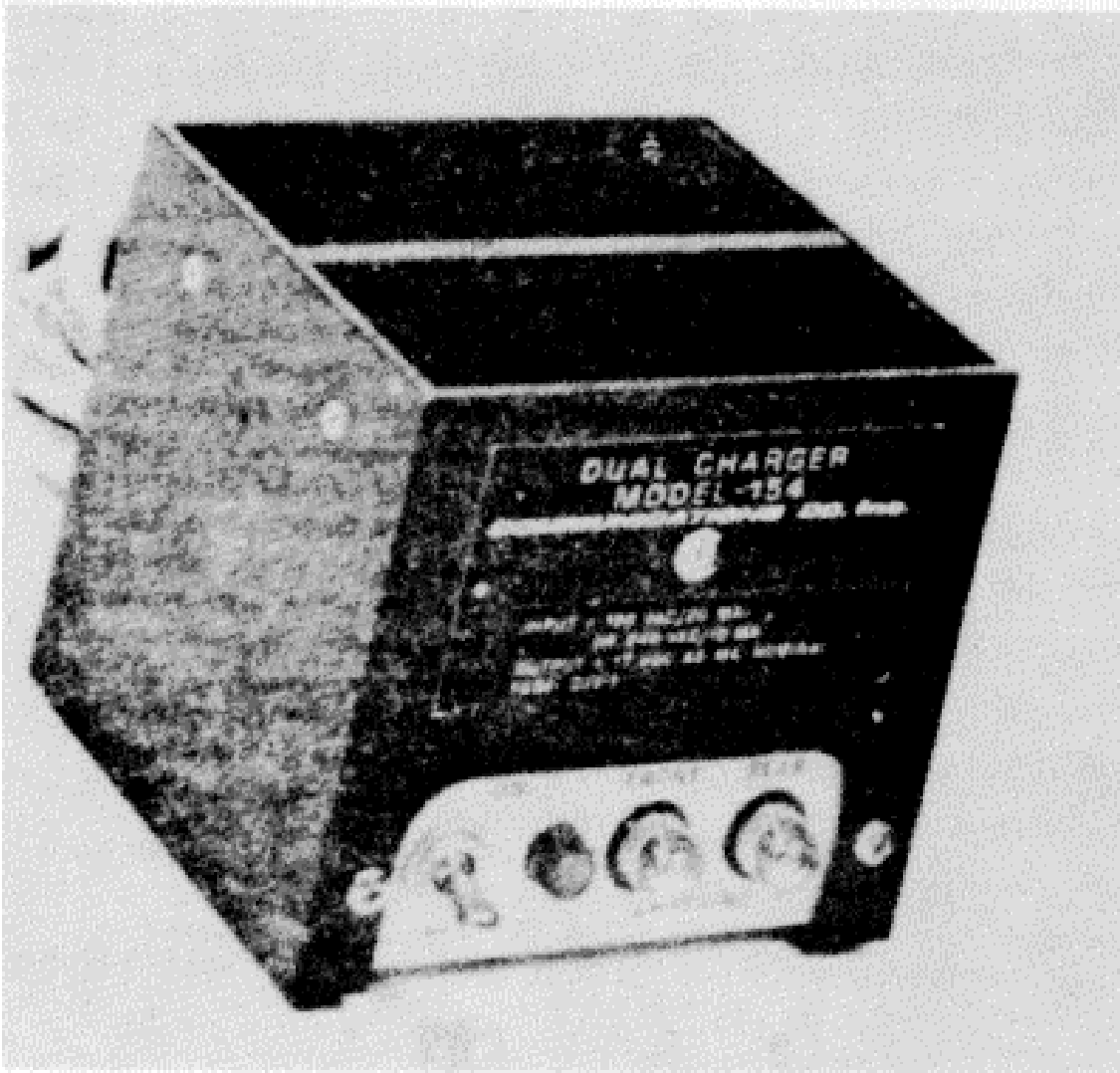


Figure 32. COMCO Model 810-154-02 Battery Charger

1. **Brief Description:** Battery Charger COMCO Model 810-154-02 provides charging facilities to recharge the battery pack used with Radio Set AN/PRC-94. Two battery packs can be recharged simultaneously by the battery charger. The charger operates from either 115

or 230 volts AC 50-60 Hz power source.

2. **Applicable Tools and Test Equipment:** See Appendix B for nomenclature, NSN, etc.

<i>Type No</i>		<i>O</i>	<i>F</i>	<i>H</i>
TK-100IG	Tool Kit, Electronic		X	X
TK-101IG	Tool Kit, Electronic	X		

3. **Applicable Publications:**

TM 11-5820-843-13 & P (Pertains to ANIPRC-94)

(Illustration Not Available)

Figure 33 Digicourse System 100

1. Brief Description: Digicourse System 100 is an optically scanned magnetic compass installed on the LACV 30. A high degree of accuracy and stability is achieved by remotely locating the compass outside major deviational influences. Internal gimbaling provides for plus or minus 70 degree roll and 40 degree pitch. Heading resolution is one degree with a repeatability of plus or minus 0.5 degree. A compact digital readout (Model 102A) is used to visually monitor the output in stable application where there is a very little roll, pitch or yaw. The Model 102A converts the ship's power supply of 12 or 32 VDC to a regulated

5VDC required by the compass. The unit also processes the serial pulse train output of the compass via Junction Box 103A into a 3 digit LED numerical display. Power consumption of the Model 101 Marine Heading Sensor is 50 milli watts maximum and 2.4 watts for the Model 102A digital readout.

2. Applicable Tools and Test Equipment: Not defined at the time of this printing.

3. Applicable Publications: Not defined at the time of this printing.

(Illustration Not Available)

Figure 34 Mark 1 Mod 6 (TYPE) Course Indicator

1. **Brief Description:** The Mark 1 Mod 6, also designated as Type E, is a 400 Hz two-speed vernier concentric dial servo Ship's Course Indicator (SCI) designed for bulkhead mounting. The type E receives synchro heading data signals from the Mark 27 Mod 1 gyrocompass and also reference power from the ship's supply. These signals actuate the indicator to position graduated dials that show the ship's heading. The two dials of the indicator are geared together. The inner dial is divided with every 5-degree mark accentuated and each 10-degree mark numbered. The outer dial is driven by gearing in a 6 to 1 ratio, so that it rotates 360 degrees while the inner dial rotates 60 degrees. The

outer dial is marked from 0 to 10 over each sixth of its periphery. A mask covers all of the dial except for divisions of the lubber line. With the 6 speed dial, bearing can be read directly to half degree. Power input requirements is 115 volts AC, 400 Hz at 7 watts.

2. **Applicable Tools and Test Equipment:** Not defined at the time of this printing.

3. **Applicable Publications:**

NAVSHIPS Technical Manual 0924-LP- 077-0010

(Illustration Not Available)

Figure 35 Mark 2 Mod 6 (TYPE B) Course Indicator

1. **Brief Description:** The Mark 2 Mod 6 Ship's Course Indicator (SCI), also designated Type B, receives synchro heading data signals from the Mark 27 Mod 1 gyrocompass and also reference power from the ship's supply. These signals actuate the indicator to position graduated dials that show the ship's heading. The type B is a 400 Hz two-speed single dial SCI. The housing mounts on a gimbal supported by a pelorus stand for bearing determination. Power input requirement is 115 volts AC, 400 Hz @ 7 watts. Components that are used

with but not part of the Type B indicator are:

Sperry PN 1675676 Pelorus Stand
Sperry PN 1878032 Gimbal Rind & Bracket

2. **Applicable Tools and Test Equipment:** Not defined at the time of this printing.

3. **Applicable Publications:** NAVSHIPS Technical Manual 0924-LP- 007-0010

(Illustration Not Available)

Figure 36 Mark-27Mod 1 Gyrocompass Set

1. **Brief Description:** The MK-27 gyrocompass system contains a gyroscope which is controlled to make it seek true north, using properties of the gyroscope in combination with rotation of the earth and the effect of gravity. The basic Mark 27 Mod 1 gyrocompass system consists of the following components:

- Master Compass
- Electronic Control

- Power Converter (used when ship's power is 115 volts AC)

- Switching Unit

2. **Applicable Tools and Test Equipment:** Not define at the time of this printing

3. **Applicable Publications:** Commercial literature.

(Illustration Not Available)

Figure 37 Remote Magnetic Heading System (RMHS)

1. **Brief Description:** The RMHS provides a means for determining and presenting accurate magnetic bearing information. A flux valve detects the earth's magnetic field electrically and transmits this information to the remotely located repeater. The flux valve may be rolled or pitched 30 degrees from a level attitude without degrading system accuracy.

The RMHS requires a 24 volts DC input voltage source.

2. **Applicable Tools and Test Equipment:** Not definitized at the time of this printing.

3. **Applicable Publications:** Not definitized at the time of this printing.

**Section III. STANDARD ELECTRONIC CONFIGURATION
OF ARMY WATERCRAFT**

(Listed by type and model number in alphanumeric sequence)

NOTICE: This photograph of a specific watercraft is for illustration purposes only. This watercraft is not presently in the army inventory, and at the present time is only a candidate that may or may not be selected for the item intended for future procurement.

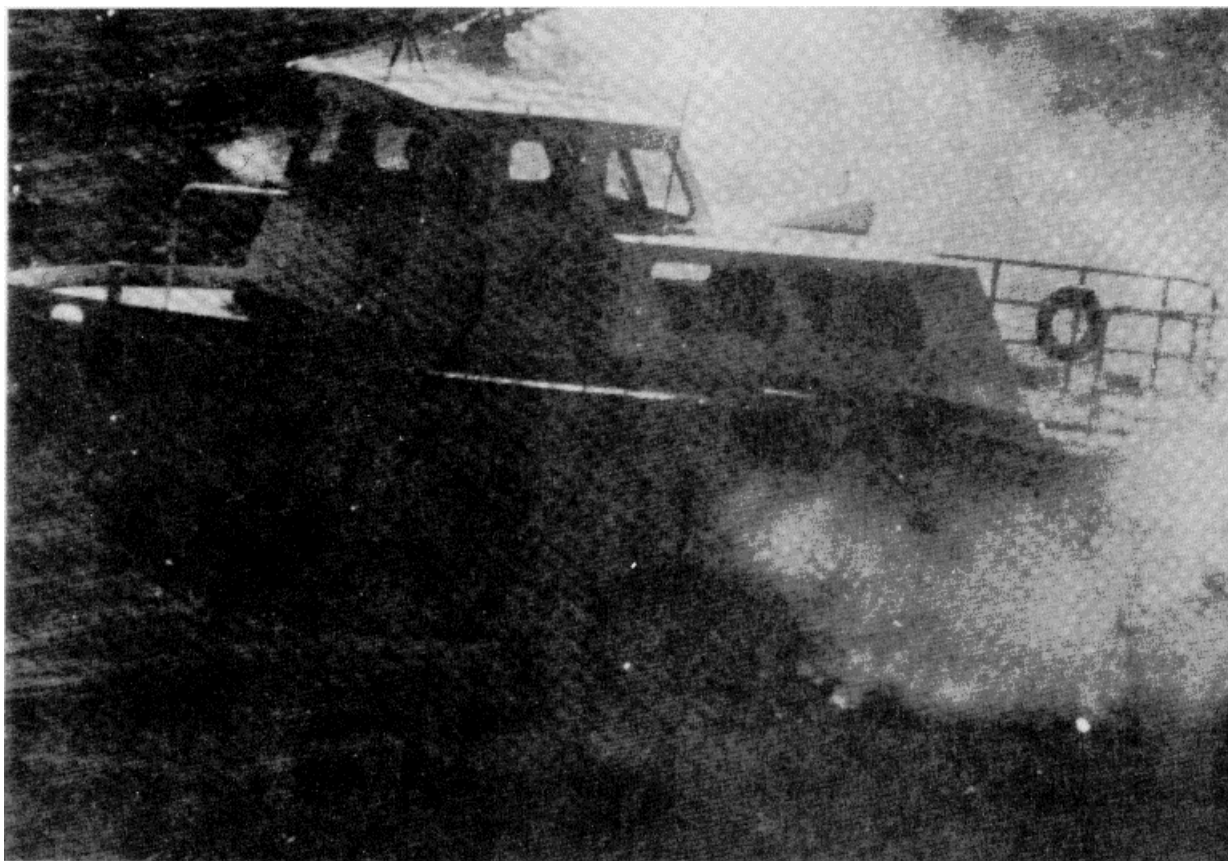


Figure38. CHI BOAT

Type/Part Number	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i>		
AN/URC-80(V)1 consisting of C-8981/URC-80(V) H-189/GR LS-610/UR RT-1060()/URC AS-30951URC OK-295/URC	Radio Set Control Handset Loudspeaker Receiver-Transmitter Antenna Control Group	1 1 1 2 1 1 1
ANNVRC-46 consisting of: AS-1729NVRC MT-1029/VRC RT-524()VRC	Radio Set Antenna Mount (RT-524()IURC Receiver-Transmitter	1 1 1 1
<i>HF-SSB Radio Facility</i>		
AN/URC-92 consisting of. CU-2229/URC H-33FIPT M-23 MT-4891/URC-92 MT-4892/URC-92 RT-1277/URC-92 114-320-001 AS-32861URC	Radio Set Antenna Coupler Handset, Microphone Headset Mount (RT-1277/URC-92) Mount (CU-2229/URC-92) Receiver-Transmitter CW Key Antenna	1 1 1 1 1 1 1 1
<i>Intercommunication Facility</i>		
LS-518A/SIC	Intercommunication Station	7
<i>Emergency Radio Facility</i>		
	Emergency Position Indicator, Radio Beacon	1
<i>Secure Communication Facility</i>		
TSECIKY-57	Communications Security Set	SWP
TSEC-KY-65	Communications Security Set	SWP
<i>Identification Facility</i>		
AN/APX-100	Transponder Set	CPO
<i>Navigation Facility</i>		
AN/SPS-59(V)1 consisting of AS-31461SPS-59(V) IP-1258/SPS-59(V) MX-9804/SPS-59(V) RT-1211/SPS-59(V) PP-7334/U	Radar Set Antenna Display Unit Cable Assembly Receiver-Transmitter Power Supply	1 1 1 1 1 1
MARK-27 MOD 1	Gyro Compass Magnetic Compass	1
<i>Miscellaneous</i>		
PP-2953(I/U	Power Supply	1

Note: This configuration could vary as the watercraft is not currently in production

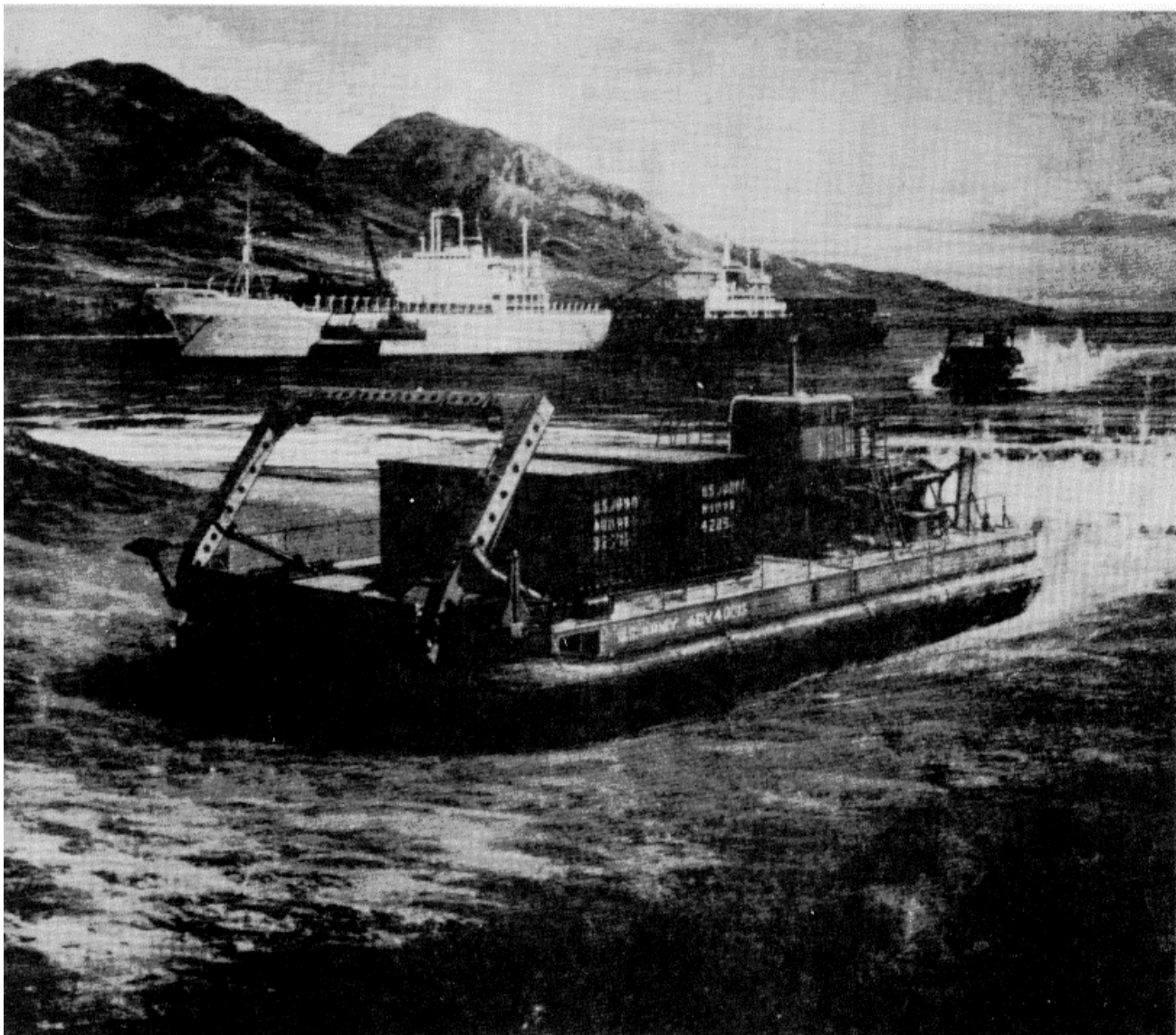


Figure 39. LACV-30 LIGHTER AIR CUSHION VEHICLE

Type/Part Number	Nomenclature	Configuration Status
<i>VHF- FM Radio Facility</i> ANIPRC-94 810-154-02 (COMCO)	Radio Set Battery Charger	2 1
AN/URC-80(V) 1 consisting of. C-8981/URC-80(V) H- 189/GR LS-610/UR RT-1060()U RC AS-3095/URC	Radio Set Control Handset Loudspeaker Receiver-Transmitter Antenna	1 1 2 1 1
ANNRC-46 consisting of: AS-1729/VRC MT-1029/VRC RT-524()/VRC	Radio Set Antenna Mount (RT-524()/VRC) Receiver-Transmitter	1 1 1
<i>Intercommunication Facility</i> ANIVIC-1 consisting of AM-1780/VRC C-2298/VRC H-161()/U	Intercommunication Set Amplifier Control Headset	1 5 1
<i>Secure Communication Facility</i> TSEC/KY-57 TSEC/KY-65	Communications Security Set Communications Security Set	SWP SWP
<i>Navigation Facility</i> RM/AC-1216(DECCA) DIGICOURSE	Radar Set Compass	1 1

NOTICE: This photograph of a specific watercraft is for illustration purposes only. This watercraft is not presently in the army inventory, and at the present time is only a candidate that may or may not be selected for the item intended for future procurement.

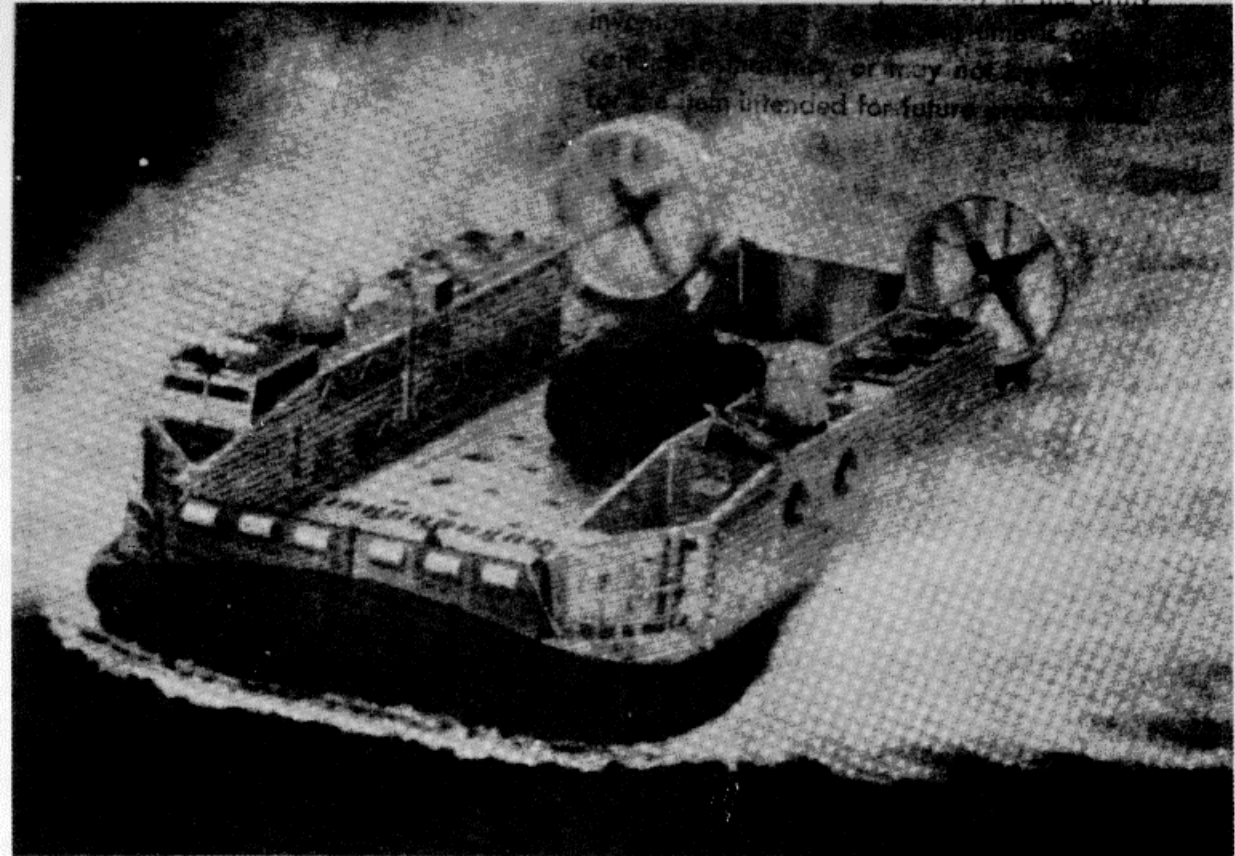


Figure 40. LAMP-H

Type/Part Number	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i>		
ANIPRC-94	Radio Set	3
810-154-02 (COMCO)	Battery Charger	1
<i>ANIURC-80(V)1 consisting of:</i>		
C-89811URC-80(V)	Radio Set	
H-1891GR	Control	1
LS-610/UR	Handset	1
RT-1060(IURC	Loudspeaker	2
AS-30951URC	Receiver-Transmitter	1
OK-295/U RC	Antenna	1
	Control Group	1
<i>ANNVRC-46 consisting of</i>		
AS-1729/VRC	Radio Set	
MT-1029/VRC	Antenna	1
RT-524()/VRC	Mount (RT-524()/URC)	1
	Receiver-Transmitter	1
<i>HF-SSB Radio Facility</i>		
<i>AN/URC-92 consisting of</i>		
CU-2229/URC	Antenna Coupler	1
H-33F/PT	Handset Microphone	1
M-23	Headset	1
MT-4891/URC-92	Mount (RT-1277/URC-92)	1
MT-4892/URC-92	Mount (CU-2229/URC-92)	1
RT-1277/URC-92	Receiver-Transmitter	1
114-320-001	CW Key	1
AS-3286/URC	Antenna	1
<i>Intercommunication Facility</i>		
LS-518A/SIC	Intercommunication Station	6
<i>Emergency Radio Facility</i>		
	Emergency Position	
	Indicator Radio Beacon	1
<i>Secure Communication Facility</i>		
TSEC/KY-57	Communications Security Set	SWP
TSEC/KY-65	Communications Security Set	SWP
<i>Identification Facility</i>		
AN/APX-100	Transponder Set	CPO
<i>Navigation Facility</i>		
<i>AN/SPS-64(V)5 consisting of</i>		
AB-1247/SPS-64(V)	Radar Set	
AS-3194/SPS-64(V)	Antenna Pedestal	1
IP-1302/SPS-64(V)	Antenna	1
RT- 1246/SPS-64(V)	Indicator	1
MARK-27 MOD I	Receiver-Transmitter	1
	Gyro Compass	1
	Magnetic Compass	1
<i>Miscellaneous</i>		
PP-2953()/U	Power Supply	2

Note: This configuration could vary as the watercraft is not currently in production

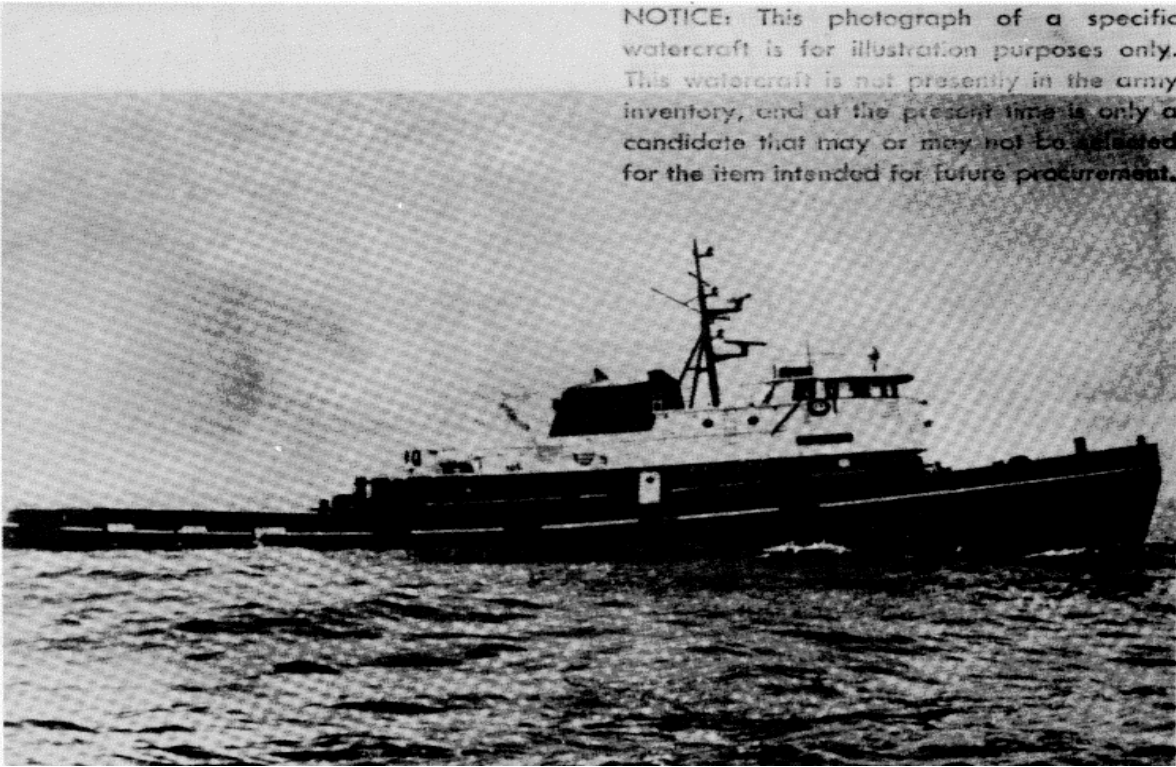


Figure 41. LARGE TUG

Type/Part Number	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i>		
AN/PRC-94	Radio Set	3
810-154-02 (COMCO)	Battery Charger	1
AN/URC-80V) I Consisting of:	Radio Set	
C-8981/URC-80(V)	Control	1
H-1891GR	Handset	1
LS-610/UR	Loudspeaker	2
RT-1060()I/URC-80	Receiver-Transmitter	1
AS-3095/URC	Antenna	1
OK-295/URC-80(V)	Control Group	2
ANVN RC-46 Consisting of.	Radio Set	
AS-1729NVRC	Antenna	1
MT-1029/VRC	Mount (RT-5241)IVRC)	1
RT-5241)IVRC	Receiver-Transmitter	1
<i>HF-SSB Radio Facility</i>		
ANIU RC-92 Consisting of'	Radio Set	
CU-22291URC	Antenna Coupler	1
H-33F/PT	Handset Microphone	1
M - 23	Headset	1
MT-4891/URC-92	Mount (RT- 12771URC-92)	1

Type/Part Number	Nomenclature	Configuration Status
MT-4892/URC-92	Mount (CU-2229/URC-92)	1
RT-1277/URC-92	Receiver-Transmitter	1
114-320-001	CW Key	1
AS-3287/URC	Antenna	1
	Linear Amplifier (1 KW)	1
<i>High Sea Communication Facility</i>		
	Auxiliary Receiver/Transmitter	1
	Radar Telephone Alarm Generator	1
	High Frequency Distress Watch Receiver	1
<i>Emergency Radio Facility</i>		
ANISRC-6A	Radio Set (Lifeboat)	1
	Emerg Position Indicator. Radio Beacon	1
<i>Intercommunication Facility</i>		
LS-519AISIC	Intercommunications Station	20
<i>Secure Communication Facility</i>		
TSEC/KY-57	Communications Security Set	SWP
TSEC/KY-65	Communications Security Set	SWP
<i>Identification Facility</i>		
AN/APX-100	Transponder	CPO
<i>Navigation Facility</i>		
AN/SPS-64(V)5 Consisting of	Radar Set	
AB-1247/SPS-64(V)	Antenna Pedestal	2
AS-3194/SPS-64(V)	Antenna	2
IP-1302/SPS-64(V)	Indicator	2
RT-1246/SPS-64(V)	Receiver Transmitter	2
	Radar Target Alarm	1
ANISQN- 15(V)1 Consisting of:	Sonar Sounding Set	
DE-740	Digital Display Unit	1
DE-741	Depth Recorder	1
ANISRD-18 Consisting of	Direction Finder Set	
AS-997/SRD	Loop Antenna	1
AT-8831SRD	Antenna Junction Box	1
000-1030	Receiver-Indicator	1
021-1696	Antenna Mounting Block	
ANISRN-23 Consisting of	OMEGA Set	
AS-3395/SRN-23	Antenna Coupler	1
R-2163/SRN-23	Receiver	1
MARK-227	Gyro Compass	1
MARK-2 MOD 6 TYPE B	Bearing Repeater	3
MARK-1 MOD 6 TYPE E	Steering Repeater	4
	Compass Magnetic 7 1/2	1
	Radar Target Alarm	1
<i>Miscellaneous</i>		
PP-2953()/U	Power Supply	1
	Weather Facsimiles System	1
	Telex/TWX with Teletype	1

Note: This configuration could vary as the watercraft is not currently in production.

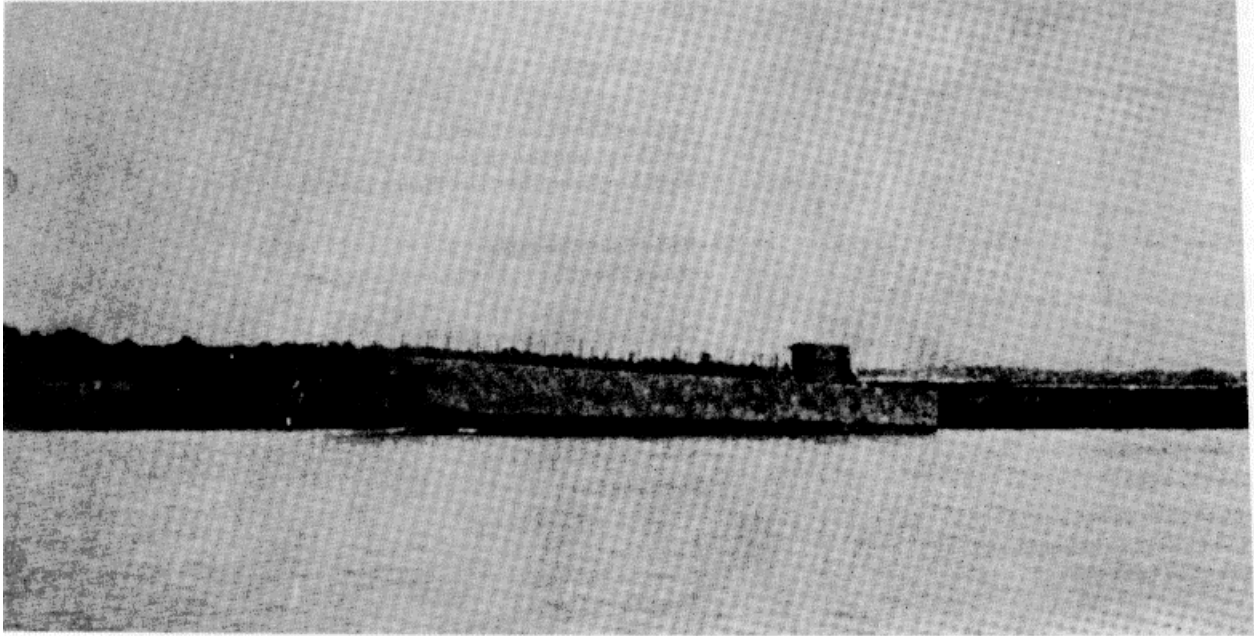


Figure 42. LCM-8 LANDING CRAFT, MECHANIZED

Type/PartNumber	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i>		
ANI/URC-80(V)1 Consisting of:	Radio Set	
C-8981/URC-80(V)	Control	1
H-189/GR	Handset	1
LS-610/UR	Loudspeaker	2
RT-1060()VURC-80(V)	Receiver-Transmitter	1
AS-30956URC	Antenna	1
ANNVRC-46 Consisting of:	Radio Set	See Note 1
AS-1729NVRC	Antenna	1
MT-1029NRC	Mount (RT-524()VRC)	1
RT-524()VRC	Receiver-Transmitter	1
ANNVRC-47 Consisting of:	Radio Set	See Note 1
AB-558VRC	Base, Mount	CPO
AS-1729/VRC	Antenna	CPO
MS-116A	Antenna Element	CPO
MS-117A	Antenna Element	CPD
MS-118A	Antenna Element	CPO
MT-1029VRC	Mount (RT-524()NRC)	CPO
MT-1898/VRC	Mount (R-442()/RC)	CPO
R-442()IVRC	Receiver	CPO
RT-524()VRC	Receiver-Transmitter	CPO
<i>HF-SSB Radio Facility</i>		
AN/URC-92 Consisting of:	Radio Set	See Note 2
CU-2229/URC-92	Antenna Coupler	1
H-33F/PT	Handset, Microphone	1
M-23	Headset	1
MT-4891/URC.92	Mount (RT- 1277/URC-92)	1
MT-4892/URC-92	Mount (CU-2229/URC-92)	1
RT-1277/URC-92	Receiver-Transmitter	1
114-320-001	CW Key	1
AS-3286/URC	Antenna	1
<i>Secure Communication Facility</i>		
TSECIKY-67	Communications Security Set	SWP
TSECIKY-65	Communications Security Set	SWP
<i>Navigation Facility</i>		
4008338.901	Remote Magnetic Heading System	1
<i>Miscellaneous</i>		
MX-7778/GRC Consisting of:	Suppressor Set	
CX-10613/G	Electrical Cable	1
MX-7777B/GRC	Electrical Transient Suppressor	1

- Notes:** 1. The ANN/VC-47 System is authorized for installation in lieu of the ANNRC-46 on three (3) of nineteen (19) LCM-8's.
2. Authorized for installation on designated command and control boat.

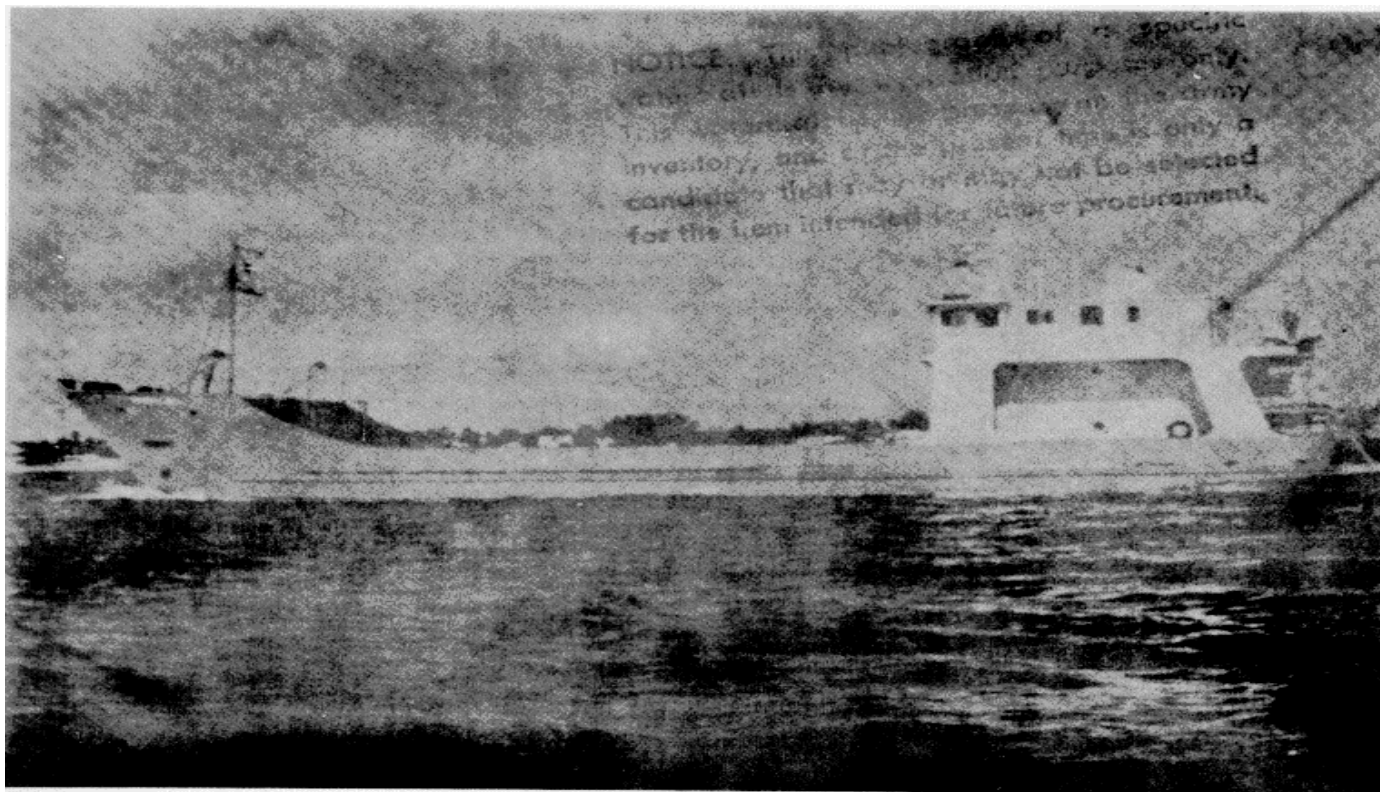


Figure 43. LCU LANDING CRAFT

Type/Put Number	Nomenclature	Configuration status
<i>VHF-FM Radio Facility</i>		
ANIPRC-94	Radio Set	3 ea
810-154-02	Battery Charger	1ea
ANI/URC-80(V)1 consisting of:	Radio Set	
C-8981/URC-80	Control	1
H-189/GR	Handset	1
LS-610/UR	Loudspeaker	1
RT- 1060/URC-80V)	Receiver-Transmitter	1
AS-3095/URC-80	Antenna	1
OK-295/URC	Control Group	1
ANNVRC-46 consisting of:	Radar et	
AS-1729/VRC	Antenna	1
MT- 1029NRC	Mount IRT-624()/VRC)	1
RT-524()/VRC	Receiver-Transmitter	1
ANNRC-47 consisting of:	Radio Set	
AB-5568VRC	Base Mount	CPO
AS-1729NRC	Antenna	CPO
MS- 116A	Antenna Element	CPO
MS-117A	Antenna Element	CPO
MS- 118A	Antenna Element	CPO
MT-1029NRC	Mount (RT-524()/VRC)	CPO

Type/Part Number	Nomenclature	Configuration status
MT-1898/VRC	Mount (R-442V RC)	CPO
R-4421()NVRC	Receiver	CPO
RT-524()VNRC	Receiver-Transmitter	CPO
<i>HF-SSB Radio Facility</i>		
AN/URC-92 consisting of.	Radio Set	
CU-2229/URC-92	Antenna Coupler	1
H-33FIPT	Handset, Microphone	1
M-23	Headset	1
MT-4891/URC-92	Mount (RT-1277/URC-92)	1
MT-48921URC-92	Mount (CU-22291URC-92)	1
RT-12771URC-92	Receiver-Transmitter	1
114-320-001	CW Key	1
AS 3286/URC	Antenna	1
-	Linear Amplifier 1 KW)	1
<i>Emergency Radio Facility</i>		
	Emerg Position Indicator, Radio Beacon	1
<i>Intercommunication Facility</i>		
LS-518A/SIC	Intercommunication Station	8
	Remote Stations	2
<i>Secure Communication Facility</i>		
TSECIKY-67	Communications Security Set	SWP
TSEC/KY-65	Communications Security Set	SWP
<i>High Seas Communication Facility</i>		
-	Auxiliary Receiver-Transmitter	1
-	Radar Telephone Alarm Generator	1
-	High Frequency Distress Watch Receiver	1
<i>Identification Facility</i>		
ANIAPX-100	Transponder Set	CPO
<i>Navigation Facility</i>		
ANISPS-64(V)5 consisting of:	Radar Set	
AB-12471SPS-64(V)	Antenna Pedestal	1
AS-3194/SPS-64(V)	Antenna	1
I P- 1302/SPS-64(V)	Indicator	1
RT-1246/SPS-64(V)	Receiver-Transmitter	1
Radar Target Alarm		1
MARK-27 MOD 1	Gyro Compass	1
MARK-2 MOD 6 TYPE B	Bearing Repeater	1
Compass Magnetic 7 1/2		1
<i>Miscellaneous</i>		
PP-2953(/U	Power Supply	1
-	Weather Facsimile System	1
-	TELEX/TWX Sys with Teletype	1

Note: This configuration could vary as the watercraft is not currently in production.

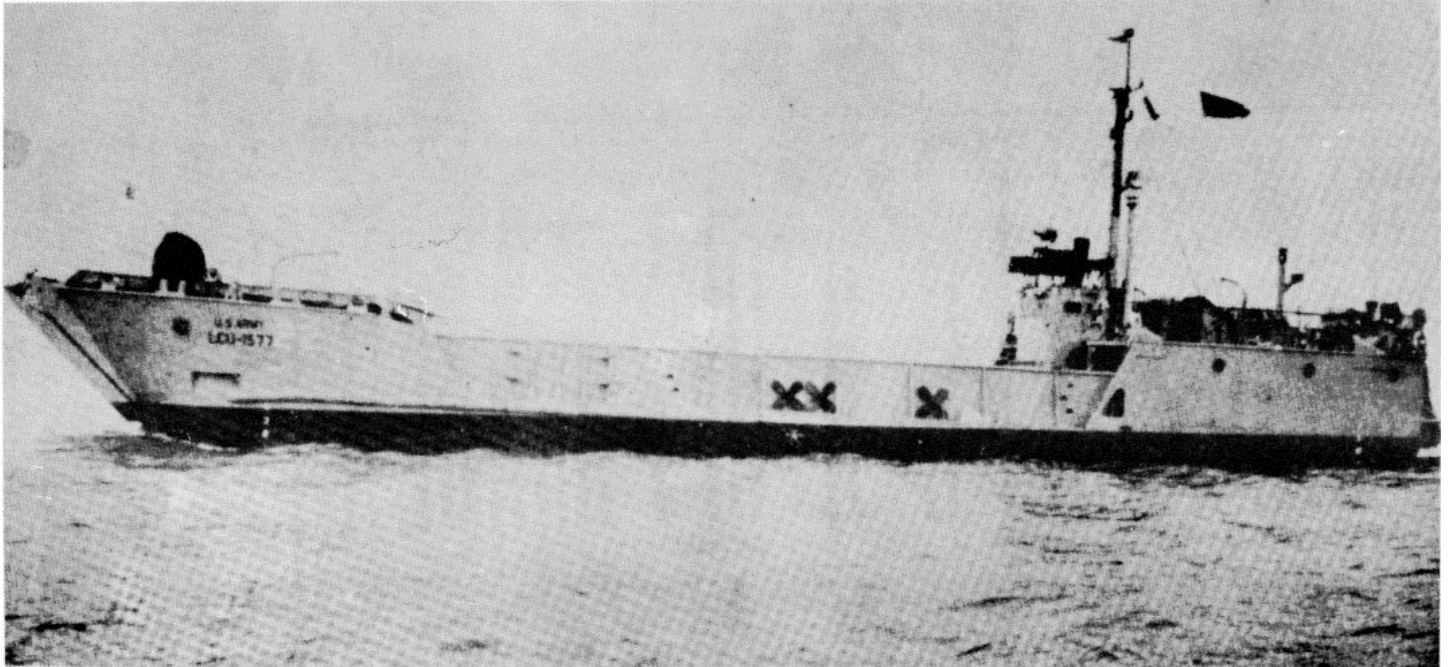


Figure 44. LCU-1466 LANDING CRAFT, UTILITY

Type/Part Number	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i>		
ANIURC-80(V)I consisting of:	Radio Set	
C-8981/URC-80(V)	Control	1
H-189/GR	Handset	1
LS-610/HR	Loudspeaker	1
RT-1060/URC-80(V)	Receiver-Transmitter	1
AS-3095/URG-80	Antenna	1
OK-295/URC	Control Group	1
ANNVRC-46 consisting of:	Radio Set	
AS-1729NVRC	Antenna	1
MT-1029NRC	Mount (RT-524()NRC)	1
RT-524()NRC	Receiver-Transmitter	1
ANNRC-47 consisting of:		
AB-558/VRC	Base, Mount	CPO
AS1729NRC	Antenna	CPO
MS- 116A	Antenna Element	CPO
MS-117A	Antenna Element	CPO
MS-118A	Antenna Element	CPO
MT-1029NRC	Mount (RT-524()NRC)	CPO
MT-18981VRC	Mount (R-442()IVRC)	CPO
R-442()IVRC	Receiver	CPO
RT-524()IVRC	Receiver-Transmitter	CPO
<i>HF-SSB Radio Facility</i>		
AN/URC-92 consisting of:	Radio Set	
CU-22291URC	Antenna Coupler	1
H-33FIPT	Handset, Microphone	1
M-23	Headset	1
MT-4891/URC-92	Mount (RT-1277/URC-92)	1
MT-48921URC-92	Mount (CU-2229/URC)	1
RT-1277/URC-92	Receiver-Transmitter	1
114-320-001	CW Key	1
AS-3286/URC	Antenna	1
<i>Intercommunication Facility</i>		
LS-518AISIC	Intercommunication Station	5
	Remote Station	3
<i>Secure Communication Facility</i>		
TSEC/KY-57	Communications Security Set	SWP
TSEC/KY-65	Communications Security Set	SWP
<i>Identification Facility</i>		
AN/APX-72 consisting of:	Transponder Set	
C-6280A(P)IAPX	Control	CPO
MT-38091APX	Mount (RT-859()&APX)	CPO
RT-859()APX	Receiver-Transmitter	CPO
AS-177A/UPX	Antenna	CPO
KIT- 1A/TSEC	Computer	SWP
MT-3513/APX	Mount (TS-1843/APX)	SWP
MT-3949A/APX	Mount (KIT-1AITSEC)	SWP
TS- 1843/APX	Test Set, Transponder	SWP
<i>Navigation Facility</i>		
AN/SPS-59(V)1 consisting of:	Radar Set	
AS-3146/SPS-69(V)	Antenna	1
IP-1258/SPS-59(V)	Display Unit	1
MX-9804/SPS-59(V)	Cable Assembly	1
RT-1211/SPS-59(V)	Receiver-Transmitter	1
PP-73341U	Power Supply	1
MARK-27 MOD 1	Gyro compass	1
MARK-2 MOD 6 TYPE B	Bearing Repeater	1
<i>Miscellaneous</i>		
PP-2953() /U	Power Supply	2

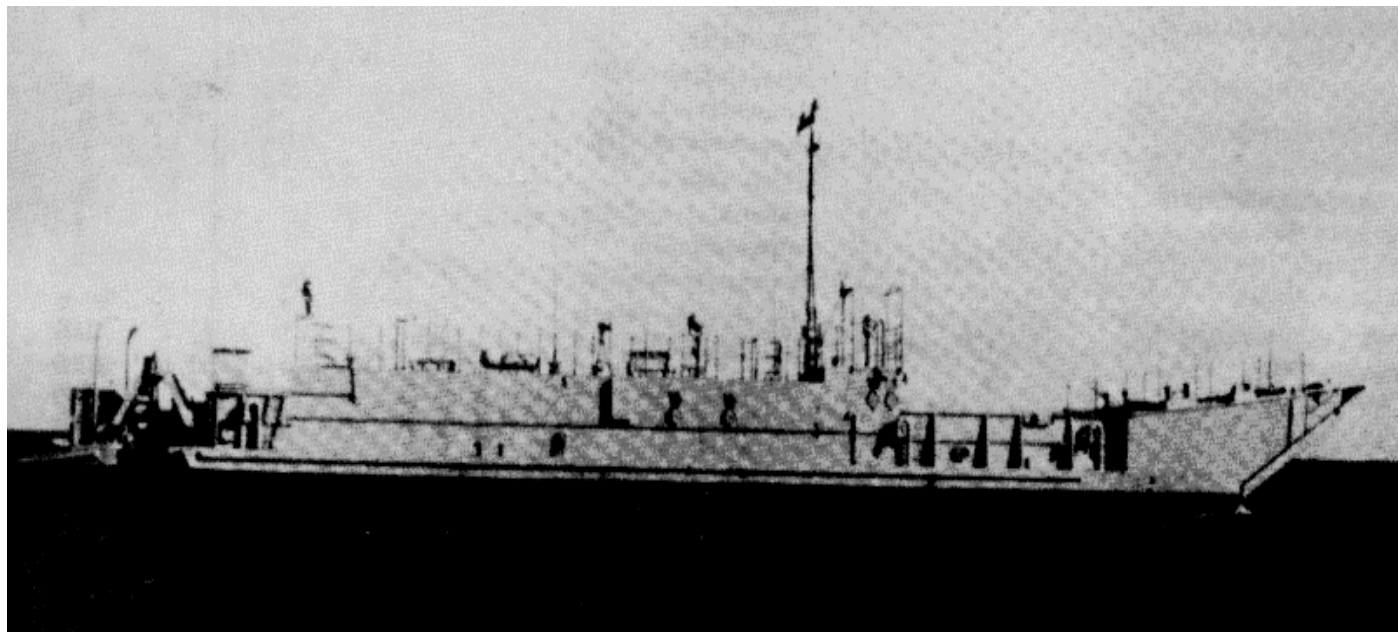
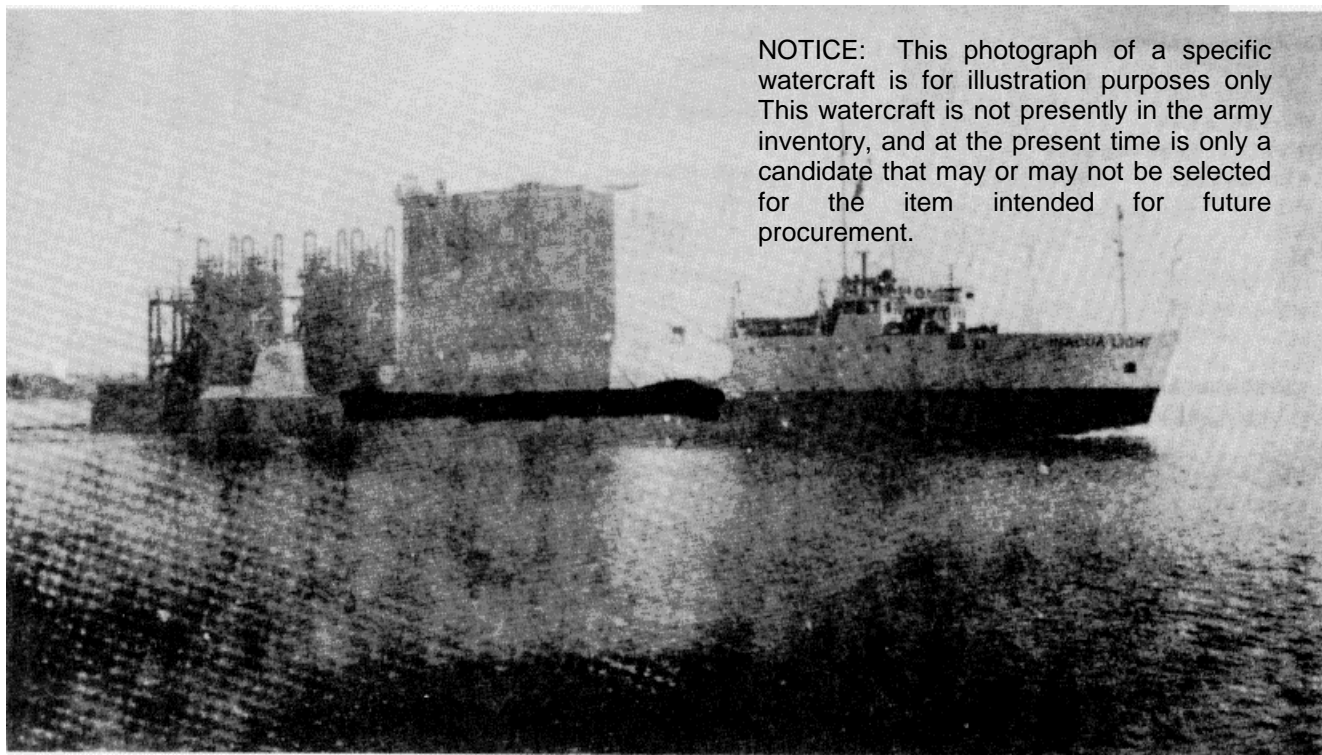


Figure 45. LCU-1667 LANDING CRAFT, UTILITY

Type/Part Number	Nomenclature	Configuration Status
<i>VHF- FM Radio Facility</i>		
ANIU RC-80(V)1 consisting of:	Radio Set	
C-8981/URC-80(V)	Control	1
H-1891GR	Handset	1
LS-610/UR	Loudspeaker	1
RT-1060/URC-80(V)	Receiver-Transmitter	1
AS-3095/URC-80	Antenna	1
OK-295/URC	Control Group	1
AN/VRC-46 consisting of	Radio Set	
AS-1729/VRC	Antenna	1
MT-1029/VRC	Mount (RT-524()/VRC)	1
RT-524()/VRC	Receiver-Transmitter	1
AN/VRC-47 consisting of:		
AB-558NVRC	Base, Mount	CPO
AS-1729NVRC	Antenna	CPO
MS-116A	Antenna Element	CPO
MS-117A	Antenna Element	CPO
MS-118A	Antenna Element	CPO
MT-1029/VRC	Mount (RT-524()/NRC	CPO
MT-1898/VRC	Mount (R-442)/VRC	CPO
R-442()/VRC	Receiver	CPO
RT-524()/NRC	Receiver-Transmitter	CPO
<i>HF-SSB Radio Facility</i>		
ANIURC-92 consisting of	Radio Set	
CU-2229/URC	Antenna Coupler	1
H-33FIPT	Handset, Microphone	1
M-23	Headset	1
MT-4891/URC-92	Mount (RT-1277/URC-92}	1
MT-48921URC-92	Mount (CU-2229/URC}	1
RT-1277/URC-92	Receiver-Transmitter	1
114-320-001	CW Key	1
AS-3286/URC	Antenna	1
<i>Intercommunication Facility</i>		
LS-518A/SIC	Intercommunication Station	8
	Remote Station	2
<i>Secure Communication Facility</i>		
TSEC/KY- 57	Communications Security Set	SWP
TSEC/KY-65	Communications Security Set	SWP
<i>Identification Facility</i>		
AN/APX-72 consisting of	Transponder Set	
C-6280A(P)/APX	Control	CPO
MT-3809/APX	Mount (RT-859()/APX)	CPO
RT-859()/APX	Receiver-Transmitter	CPO
AS-177AIUPX	Antenna	CPO
KIT-1A/TSEC	Computer	SWP
MT-35131APX	Mount (TS-1843/APX)	SWP
MT-3949A/APX	Mount (KIT-1AITSEC)	SWP
TS-1843/APX	Test Set, Transponder	SWP
<i>Navigation Facility</i>		
AN/SPS-59(V)1 consisting of	Radar Set	
AS-3146/SPS-59(V)	Antenna	1
IP-1258/SPS-59(V)	Display Unit	1
MX-9804/SPS-59(V)	Cable Assembly	1
RT-1211/SPS-59(V)	Receiver-Transmitter	1
PP-73341U	Power Supply	1
MARK-27 MOD 1	Gyro Compass	1
MARK-2 MOD 6 TYPE B	Bearing Repeater	1
MARK- MOD 6 TYPE E	Steering Repeater	1
4008338 901	Remote Magnetic Heading System	1
<i>Miscellaneous</i>		
R-390()IURR	Receiver	1



NOTICE: This photograph of a specific watercraft is for illustration purposes only. This watercraft is not presently in the army inventory, and at the present time is only a candidate that may or may not be selected for the item intended for future procurement.

Figure 46. LSV LOGISTICS SUPPORT VESSEL

Type/Part Number	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i>		
AN,PRC-94	Radio Set	3
810-154-02 (COMCO)	Battery Charge	1
AN/URC-80(V)1 Consisting of	Radio Set	
C-89811URC-80(V)	Control	1
H-1891GR	Handset	1
LS-6101UR	Loudspeaker	2
RT-1060()/URC-80	Receiver-Transmitter	1
AS-30961URC	Antenna	1
OK-2951URC-80(V)	Control Group	2
ANFVRC-46 Consisting of:	Radio Set	
AS-1729NRC	Antenna	1
MT- 1029NVRC	Mount (RT-524(NRC	1
RT-524(IVRC	Receiver-Transmitter	1
<i>HF-SSB Radio Facility</i>		
ANIURC-92 Consisting of'	Radio Set	
CU-22291URC	Antenna Coupler	1
H-33FIPT	Handset Microphone	1
M-23	Headset	1

Type/Part Number	Nomenclature	Configuration Status
MT-48911URC-92	Mount (RT- 12771URC-92)	1
MT-489021URC-92	Mount (CU-2229/URC-92)	1
RT-12771URC-92	Receiver-Transmitter	1
114-320-001	CW Key	1
AS-32871URC	Antenna	1
	Linear Amplifier (1 K W)	1
<i>High Sea Communication Facility</i>		
-	Auxiliary Receiver/Transmitter	1
-	Radar Telephone Alarm Generator	1
-	High Frequency Distress Watch Receiver	1
<i>Emergency Radio Facility</i>		
AN/SRC-6ARadio Set (Lifeboat)		1
	Emerg Position Indicator, Radio Beacon	1
<i>Intercommunication Facility</i>		
LS-519AISIC	Intercommunication Station	20
<i>Secure Communication Facility</i>		
TSEC/KY-57	Communications Security Set	SWP
TSEC/KY-65	Communications Security Set	SWP
<i>Identification Facility</i>		
AN/APX-100	Transponder	CPO
<i>Navigation Facility</i>		
AN/SPS-64(V)5 Consisting of:	Radar Set	
AB-1247ISPS-64(V)	ANTENNA Pedestal	2
AS-3194/SPS-64(V)	Antenna	2
IP-1302/SPS-64(V)	Indicator	2
RT-1246/SPS-64(V)	Receiver-Transmitter	2
	Radar Target Alarm	1
AN/SQN-15(V)1 Consisting of:	Sonar Sounding Set	
DE-740	Digital Display Unit	1
DE-741	Depth Recorder	1
AN/SRD- 18 Consisting of:	Direction Finder Set	
AS-997/SRD	Loop Antenna	1
AT-883/SRD	Antenna Junction Box	1
000-1030	Receiver-Indicator	1
021-1696	Antenna Mounting Block	1
ANISRN-23 Consisting of-	OMEGA Set	
AS-3395/SRN-23	Antenna Coupler	1
R-2163/SRN-23	Receiver	1
MARK-227	Gyro Compass	1
MARK-2 MOD 6 TYPE B	Bearing Repeater	3
MARK-1 MOD 6TYPE E	Steering Repeater	4
-	Compass Magnetic 7 1/2	1
-	Radar Target Alarm	1
<i>Miscellaneous</i>		
PP-2953()/U	Power Supply	1
	Weather Facsimile System	1
	Telex/TWX with Teletype	1

Note: This configuration could vary as the watercraft is not currently in production.

NOTICE: This photograph of a specific watercraft is for illustration purposes only. This watercraft is not presently in the army inventory, and at the present time is only a candidate that may or may not be selected for the item intended for future procurement.

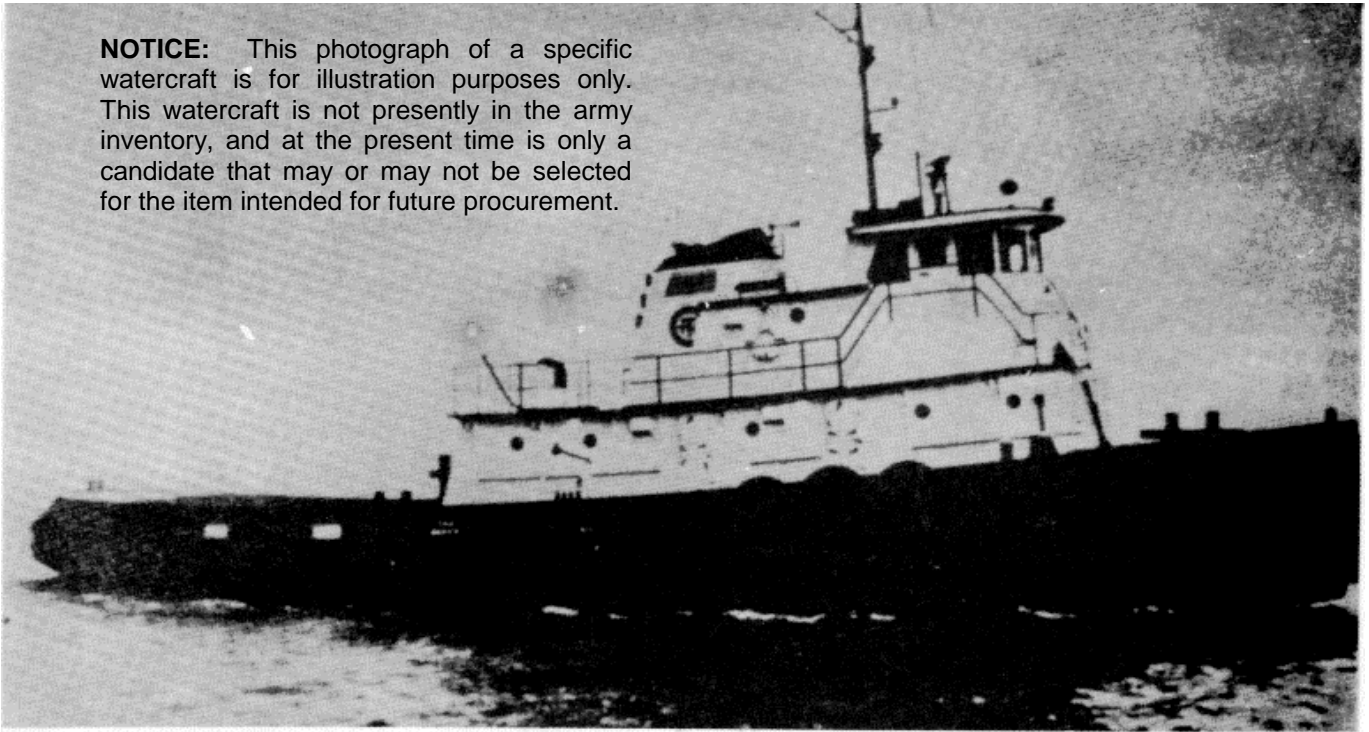


Figure 47. SMALL TUG

Type/Part Number	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i>		
810-154-02	Radio Set	1
AN/U RC-80(V)1 Consisting of:	Battery Charger	
C-89811URC-80(V)	Radio Set	1
H-189/GR	Control	1
LS-610/UR	Handset	2
RT-1060)I/URC	Loudspeaker	1
AS-3095/URC Consisting of'	Receiver-Transmitter	1
OK-295/URC	Antenna	1
AN/VRC-46 Consisting of:	Control Group	
AS-1729fVRC	Radio Set	1
MT-1029NRC	Antenna	1
RT-524()NVRC	Mount (RT-524()IURC)	1
HF-SSB Radio Facility	Receiver-Transmitter	
AN/URC-92 Consisting of:		
CU-2229/URC	Radio Set	1
H-33F/PT	Antenna Coupler	1
M-23	Handset Microphone	1
MT-4891/URC-92	Headset	1
MT-4892/URC-92	Mount (RT-1277/URC-92)	1
RT-1277/URC-92	Mount (CU-2229/URC-92)	1
114-320-001	Receiver-Transmitter	1
AS-3287/URC	CW Key	1
Intercommunication Facility	Antenna	
LS-518A/SIC Station		10
<i>Emergency Radio Facility</i>	Intercommunication	
Emergency Position Indicator Radio Beacon		1
Secure Communication Facility		
TSEC/KY-57		SWP
TSEC/KY-65	Communications Security Set	SWP
<i>Identification Facility</i>	Communications Security Set	
AN/APX-100		CPO
<i>Navigation Facility</i>	Transponder Set	
AN/SPS-59(V)I Consisting of:		
AS-3146/SPS-69(V)	Radar Set	1
IP-1258/SPS-59(V)	Antenna	1
MX-9804/SPS-49(V)	Display Unit	1
RT-1211/SPS-59(V)	Cable Assembly	1
PP-7334fU	Receiver-Transmitter	1
MARK-27 MOD 1	Power Supply	1
	Gyro Compass	1
<i>Miscellaneous</i>	Magnetic Compass	
PP-2953()/U		1
	Power Supply	

Note: This configuration could vary as the watercraft is not currently in production



Figure 46. 264 & 264B CRANE, FLOATING 100 TON

Type/Part Number	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i>		
ANIPRC-94	Radio Set	3
810-154-02	Battery Charger	1
AN/URC-m(VI1 Consisting of:	Radio Set	
C-8981/URC-80(V)	Control	1
H-1891GR	Handset	1
LS-610UR	Loudspeaker	2
RT-106o0(IRC-80(V)	Receiver-Transmitter	1
AS-3095/URC	Antenna	1
OK-29J/URC	Control Group	1

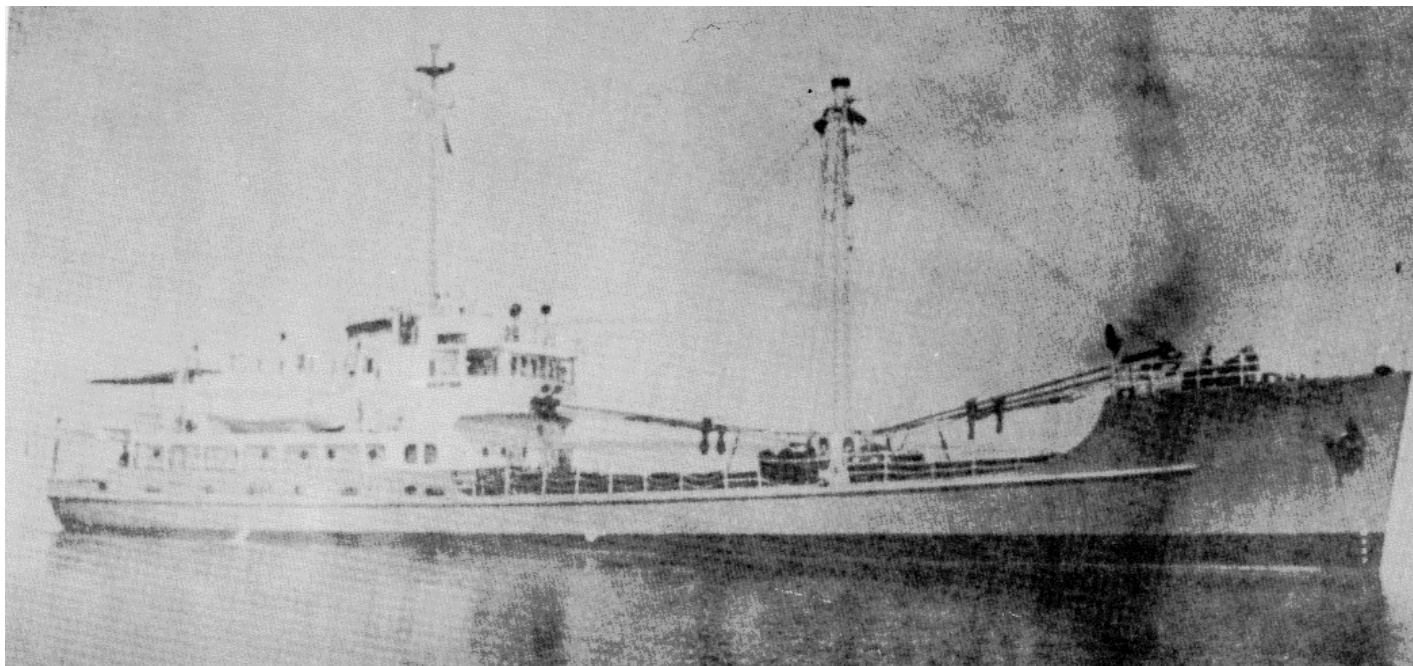


Figure 49. VESSEL, DRY CARGO

Type/Part Number	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i>		
ANIPRC-94	Radio Set	4
810-154-02	Battery Charger	1
ANI/URC-80(V) Consisting of.		
C-8981/URC-80(V)	Control	1
H-189/GR	Handset	1
LS-610/UR	Loudspeaker	2
RT-1060()/URC-80V)	Receiver-Transmitter	1
AS-3095/URC	Antenna	1
OK-295/URC	Control Group	1
ANNVRC-46 Consisting of		
AS-1729NRC	Radio Set	
MT-1029NVRC	Antenna	1
RT-5241)NRC	Mount (RT-524AIVN RC)	1
	Receiver-Transmitter	1
<i>High Seas Communication</i>		
AN/SRC-38 Consisting of:		
AN/SRC-43	Radio Set	
AN/SRT-27	Radio Console	1
	Radio Transmitter	1
AN/URA-38	Antenna Coupler	1
AS-()SRC-38	Antenna	1
J-3361/SRC	Interconnecting Box	1
R-1996/SRC-43	Receiver	1
RE-1110/SRC	Receiver Input Protection Box	1
<i>Emergency Radio Facility</i>		
ANISRC-6A	Radio Set (Lifeboat)	1
<i>Intercommunication Facility</i>		
LS-518A/SIC	Intercommunication Station	1
LS-519A/SIC	Intercommunication Station	20
Remote Stations	6	
<i>Secure Communication Facility</i>		
TSEC/KY-657	Communications Security Set	SWP
TSEC/KY-65	Communications Security Set	SWP
<i>Teletypewriter Facility</i>		
AN/FGC-25X Consisting of:		
FN-65/FG	Teletypewriter Set	
TT-119()/FG	Teletypewriter Table	1
TT-178()/FG	Page Printer	1
MD-522AIGRC	Reperforator	1
TT-98()FG	Modem	1
	Teletypewriter	1
<i>Identification Facility</i>		
AN/APX-72 Consisting of.		
C-6280A(P)/APX	Transponder Set	
MT-3809/APX	Control	CPO
RT-8591 /APX	Mount (RT-859(YAPX)	CPO
	Receiver-Transmitter	CPO
AS-177A/UPX	Antenna	CPO
KIT-1A/TSEC	Computer	SWP
MT-3513/APX	Mount (TS-1843/APX)	SWP
MT-3949A/APX	Mount (KIT-1A/TSEC)	SWP
TS-1843/APX	Test Set, Transponder	SWP
<i>Navigation Facility</i>		
ANISPS-594(V1 Consisting of:		
AS-3146/SPS-59(V)	Radar Set	
IP-1258/SPS-59(V)	Antenna	1
MX-9804/SPS-59V)	Display Unit	1
RT-1211/SPS-59(V)	Cable Assembly	1
	Receiver-Transmitter	1
PP-7334/U	Power Supply	1
AN/SPS-64(V)5 Consisting of-		
AB-1247/SPS-64(V)	Radar Set	
AS-3194/SPS-64(V)	Antenna Pedestal	1
	Antenna	1

Type/Part Number	Nomenclature	Configuration Status
IP-1302/SPS-64(V)	Indicator	1
RT-1246/SPS-64(V)	Receiver-Transmitter	1
ANISQN-15(V)1 Consisting of	Sonar Sounding Set	
DE-740	Digital Display Unit	1
DE-741	Depth Recorder	1
AN/SRD-18 Consisting of.	Direction Finder Set	
000-1022	Loop Antenna	1
001-0634	Antenna Junction Box	1
000-1030	Receiver-Indicator	1
021-1696	Antenna Mounting Block	
AN/SRN-23 Consisting of	Omega Set	
AS-3395/SRN-23	Antenna Coupler	1
R-2163/SRN-23	Receiver	1
MARK-27 MOD 1	Gyro Compass	1
MARK-2 MOD 6 TYPE B	Bearing Repeater	1
MARK-1 MOD 6 TYPE E	Steering Repeater	1
<i>Miscellaneous</i>		
PP-2953()VU	Power Supply	2
PP-60781U	Static Inverter	4

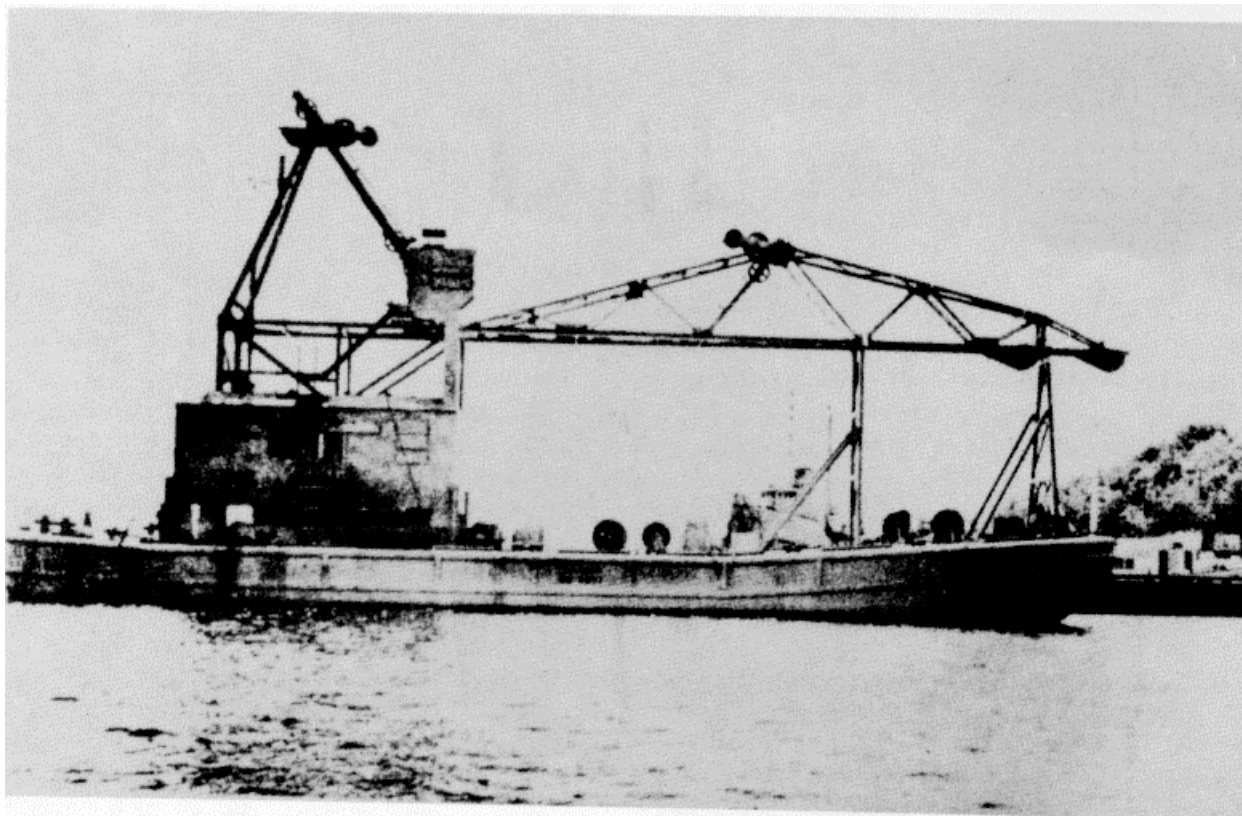


Figure 50. 413 D CRANE, FLOATING 60 TON

Type/Part Number	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i>		
ANIPRC-94	Radio Set	3
810-154-021COMCO)	Battery Charger	1
ANI/URC-80(V)1 consisting of.	Radio Set	
C-8981/URC-8o(V)	Control	
H-1891GR	Handset	1
LS-610/UR	Loudspeaker	1
RT-1060(VURC-80(VO	Receiver-Transmitter	
AS-3095/URC	Antenna	
OK-295/URC	Control Group	1
<i>Miscellaneous</i>		
PU-140	Rotary Converter	1

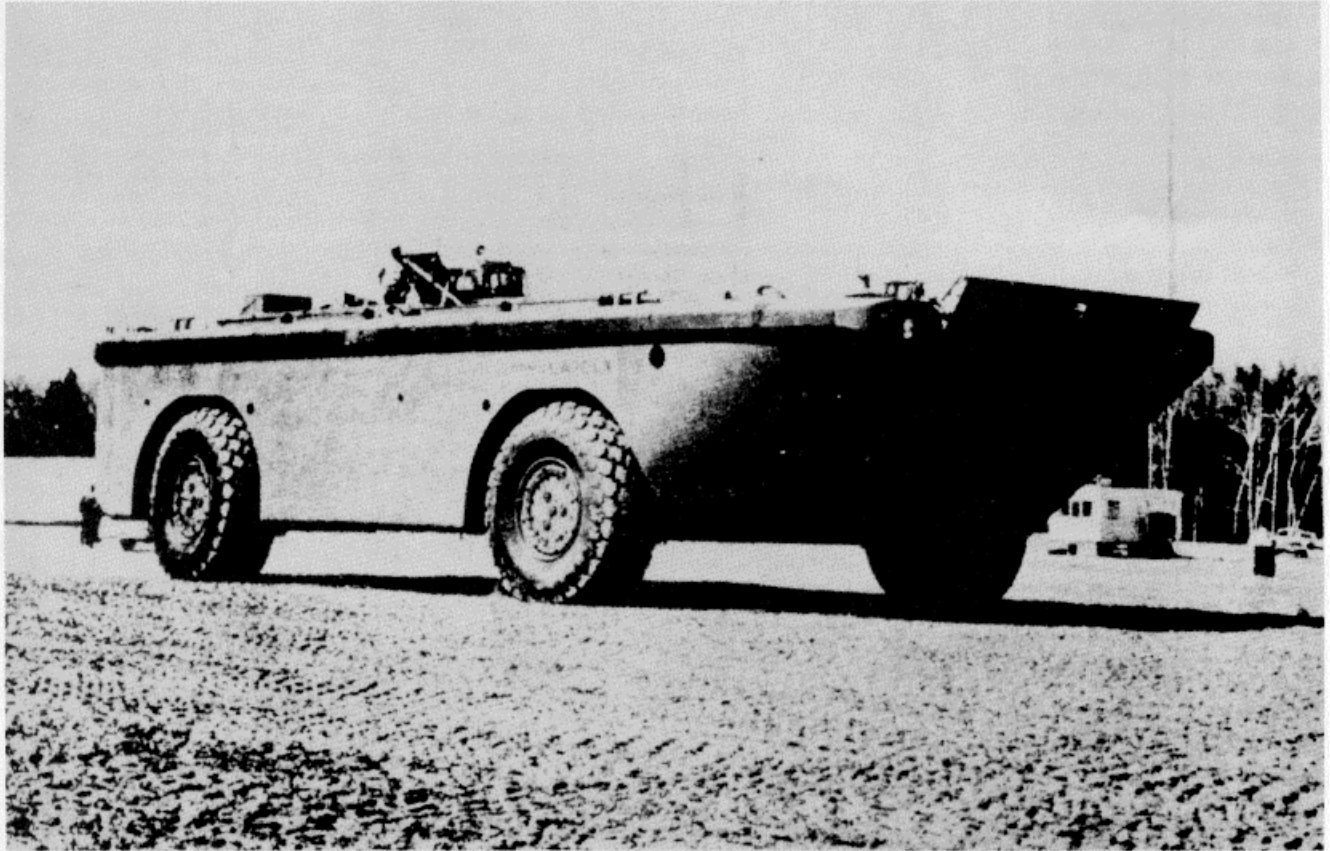


Figure 51. 2303 AMPHIBIOUS LIGHTER, LARC LX

Type/Part Number	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i> AN/PRC-94 810-154-02 (COMCO) ANNRC-46 consisting of. AS-1729VRC MT-1029VRC RT-524()VRC	Radio Set Battery Charger Radio Set Antenna Mount (RT-524T)()/VRC Receiver-Transmitter	 1 1 1
<i>Intercommunication Facility</i> AN/VIC-1 consisting of AM-1780NRC C-2298NRC H-161()/U	Intercommunication Set Amplifier Control Headset-Microphone	 1 1
<i>Secure Communication facility</i> TSEC-KT-57	Communications Security Set	SWP
<i>Miscellaneous</i> MX-7778A/GRC consisting of. CX-10613/G MX-7777B/GRC	Suppressor Cable Assembly Suppressor	 1 1

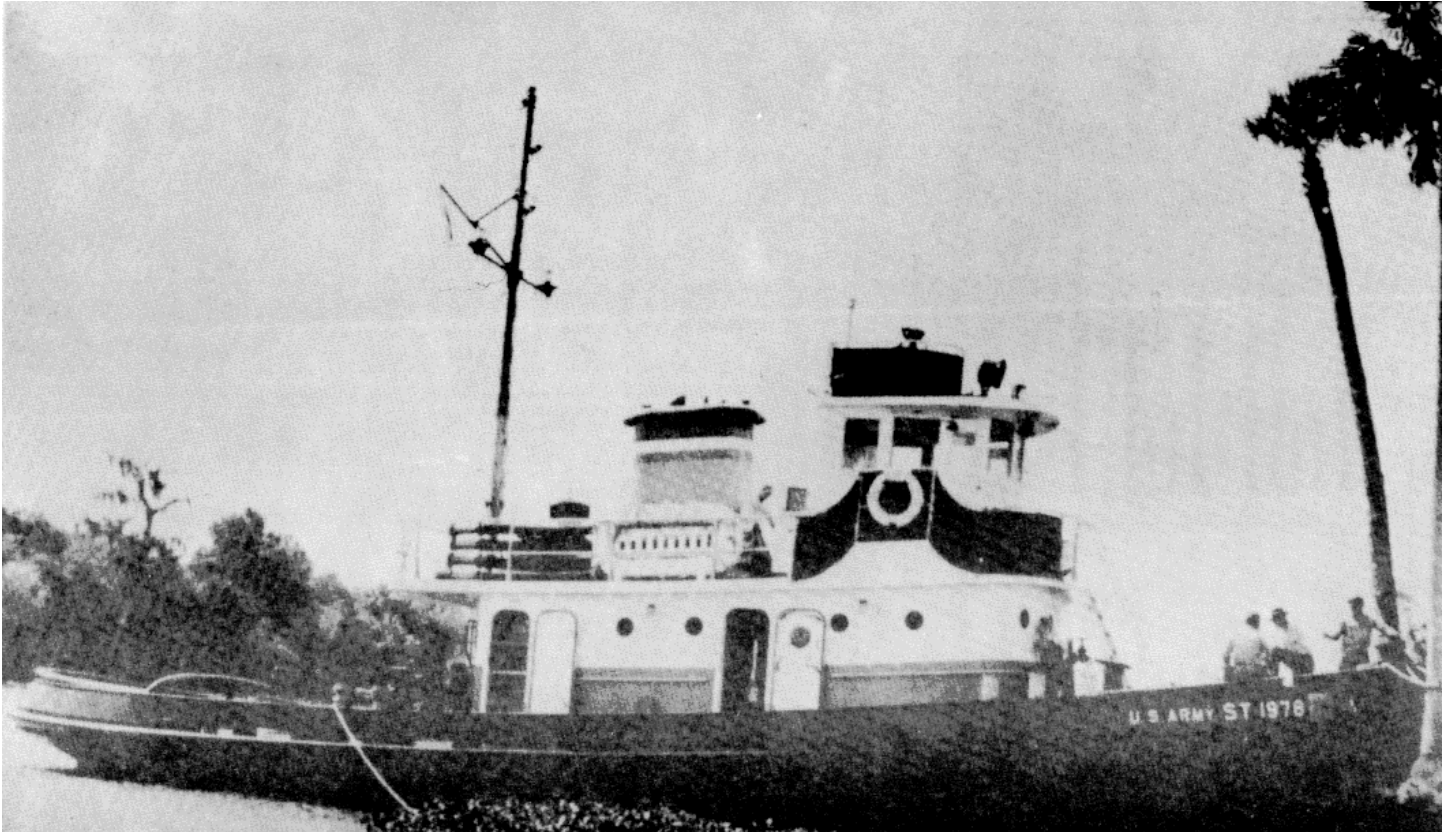


Figure 52. 3004 TUGHARBOR, 65FT

Type/Part Number	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i>		
ANIPRC-94	Radio Set	3
810-154-02(COMCO)	Battery Charger	
ANIURC-80(V)1 consisting of:	Radio Set	
C-8981/URC-80(V)	Control	1
H-189IGR	Handset	1
LS-610/UR	Loudspeaker	1
RT-1060()/URC	Receiver-Transmitter	1
AS-3095/URC	Antenna	
OK-295/URC-80	Control Group	1
AN/VRC-46 consisting of:	Radio Set	
AS-1729/VRC	Antenna	1
MT-1029N/RC	Mount(RT-524() VRC)	1
RT-524()/VRC	Receiver-Transmitter	1
<i>HF-SSB Radio Facility</i>		
AN/URC-92 consisting of:	Radio Set	
CU-2229/URC-92	Antenna Coupler	1
H-33F/PT	Handset Microphone	1
M-23	Headset	1
MT-48911URC-92	Mount (RT- 1277/URC-92}	1
MT-4892/URC-92	Mount (CU-2229/URC-92)	1
RT-1277/URC-92	Receiver-Transmitter	1
114-320-001	CW Key	1
AS-3287/URC	Antenna	1
<i>Intercommunication Facility</i>		
LS-518A/SIC	Intercommunication Station	4
Remote Station	1	
<i>Secure Communication Facility</i>		
TSEC/KY-57	Communications Security Set	SWP
TSEC/KY-65	Communications Security Set	SWP
<i>Identification Facility</i>		
AN/APX-72 consisting of.	Transponder Set	
C-6280A(P)/APX	Control	CPO
MT-3809/APX	Mount (RT-859()/APX)	CPO
RT-859()/APX	Receiver-Transmitter	CPO
AS-177A/UPX	Antenna	CPO
KIT-1AITSEC	Computer	SWP
MT-3513/APX	Mount (TS-1843/APX)	SWP
MT-3949A/APX	Mount (KIT-1A/TSEC)	SWP
TS-1843/APX	Test Set, Transponder	SWP
<i>Navigation Facility</i>		
AN/SPS-59(V)1 consisting of:	Radar Set	
AS-3146/SPS-59(V)	Antenna	1
IP-1258/SPS-59(V)	Display Unit	1
MX-9804/SPS-59(V)	Cable Assembly	1
RT-1211/SPS-59(V)	Receiver-Transmitter	1
PP-7334/U	Power Supply	1
MARK-27 MOD 1	Gyro Compass	1
<i>Miscellaneous</i>		
PP-2953()/U	Power Supply	2
PP-7078/U	Static Inverter	2

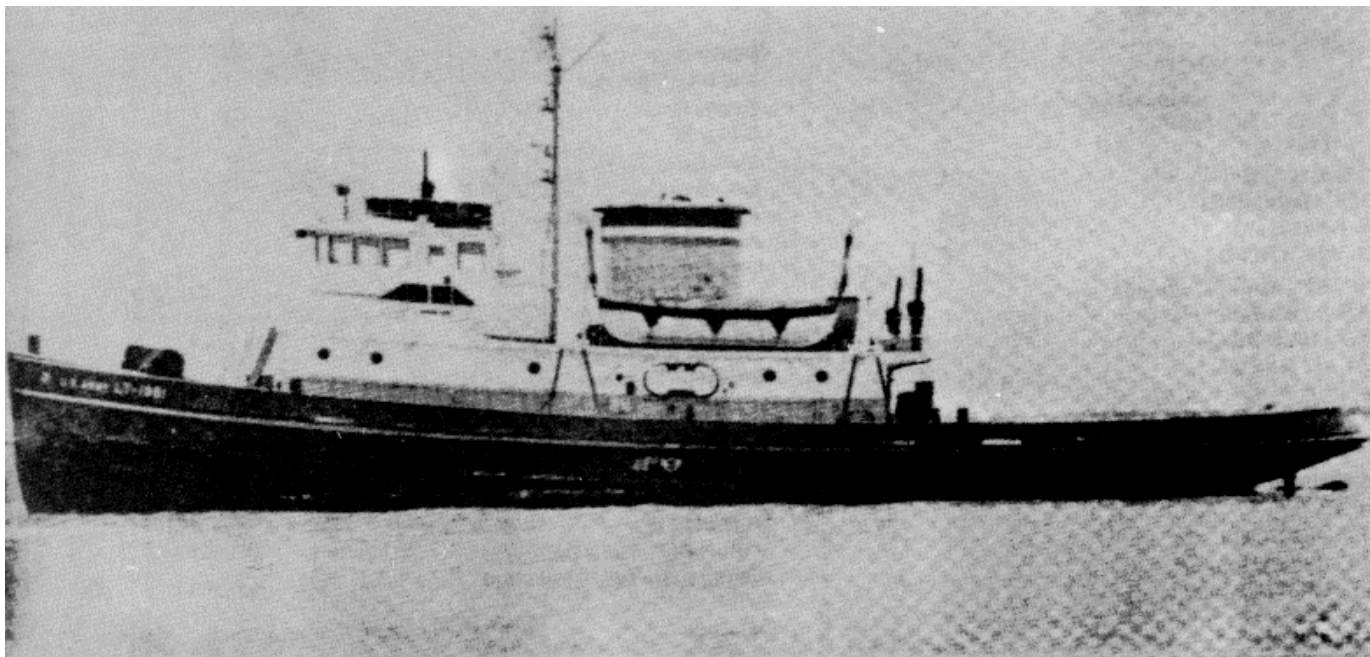


Figure 53 TUG HARBOR

Type/Part Number	Nomenclature	Configuration Status
<i>VHF-FM Radio Facility</i>		
AN/PRC-94	Radio Set	S
810-164-02 (COMCO)	Battery Charger	1
AN/URC-80(V/1 consisting of:	Radio Set	
C-8981/URC-80(V)	Control	1
H-189/GR	Handset	1
LS-610OUR	Loudspeaker	2
RT-1060()/URC-80(V)	Receiver-Transmitter	1
AS-3095/URC	Antenna	1
OK-295/URC-80(V)	Control Group	1
AN/VRC-46 consisting of:	Radio Set	
AS-1729NVRC	Antenna	1
MT- 1029VVRC	Mount (RT-524()VRC)	1
RT-524()VRC	Receiver-Transmitter	1
<i>HF- SSB Radio Facility</i>		
AN/URC-92 consisting of:		
CU-2229/URC	Antenna Coupler	1
H-33F/PT	Handset Microphone	1
M-23	Headset	1
MT-4891/URC-92	Mount (RT-1277/URC-92)	1
MT-4892/URC-92	Mount (CU-2229/URC-92)	1
RT-1277/URC-92	Receiver-Transmitter	1
114-320-001	CW Key	1
AS-3278/URC	Antenna	1
<i>Emergency Radio Facility</i>		
AN/SRC-6A	Radio Set (Lifeboat)	1

Type/Part Number	Nomenclature	Configuration Status
Intercommunication Facility LS-518A/S1C	Intercommunication Station Remote Station	6 3
Secure Communication Facility TSEC/KY-57 TSEC/KY-65	Communications Security Set Communications Security Set	SWP SWP
Identification Facility AN/APX-72 consisting of C-6280A(P)IAPX MT-3809/APX RT-859()IAPX AS-177A/UPX KIT-1 AITSEC MT-3513/APX MT-3949A/APX TS- 1843/APX	Transponder Set Control Mount (RT-859()IAPX) Receiver-Transmitter Antenna Computer Mount (TS- 1843/APX) Mount (KIT-1AITSEC) Test Set, Transponder	CPO CPO CPO CPO SWP SWP SWP SWP
Navigation Facility AN/SPS-59(V)1 consisting of AS-3146/SPS-59(V) IP-1258/SPS-59(V) MX-9804/SPS-59(V) RT-1211/SPS-59(V)	Radar Set Antenna Display Unit Cable Assembly Receiver-Transmitter	1 1 1 1
PP-73341U AN/SQN- 15V(1 consisting of DE-740 DE-741	Power Supply Sonar Sounding Set Digital Display Unit Depth Recorder	1 1 1
AN/SRN-23 consisting of AS-3395/SRN-23 R-2163/SRN-23	Omega Set Antenna Coupler Receiver	1 1
ANISRD-18 000-1022 001-0634 000-1030 021-1696	Direction Finder Set Loop Antenna Antenna Junction Box Receiver-Indicator Antenna Mounting Block	1 1 1 1
MARK-27 MOD 1 MARK-2MOD 6 TYPE B	Gyro Compass Bearing Repeater	1 1
Miscellaneous PP-29531)IU PP-7078/U	Power Supply Static Inverter	2 2

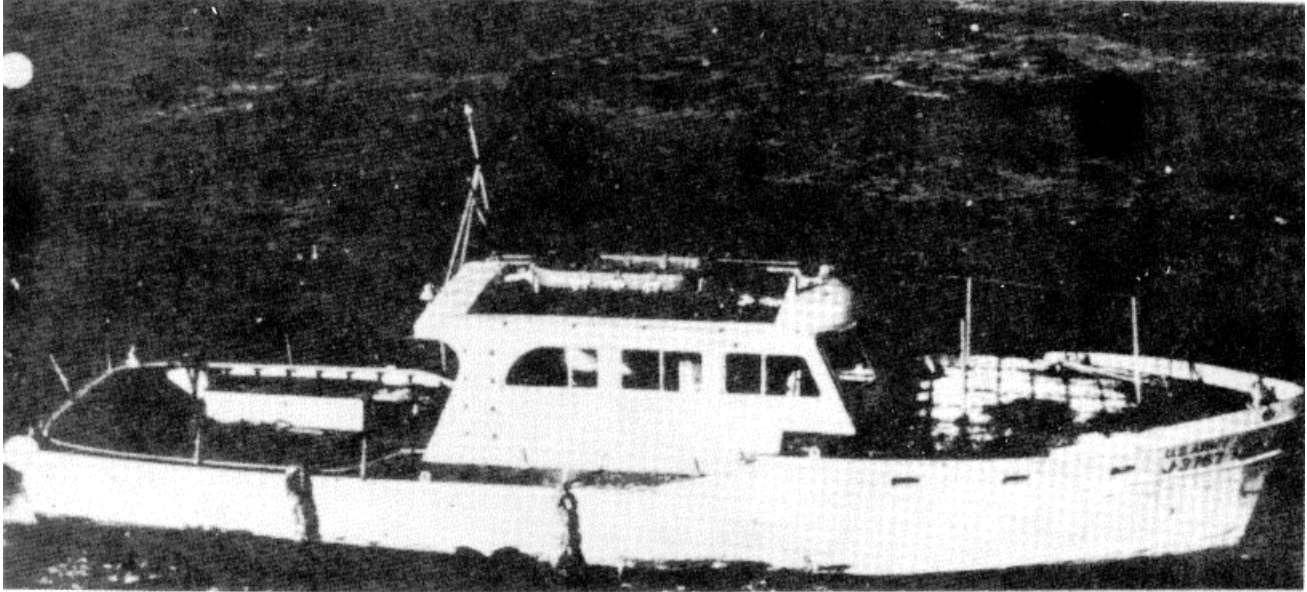


Figure 54. 4003 BOAT,PATROL

Type/Part Number	Nomenclature	Configuration Status
VHF- FM Radio Facility AN/URC-80(V)1 consisting of. C-8981/URC-80(V) H-1891GR LS-610()UR RT-1060()/URC-80 AS-3095/URC	Radio Set Control Handset Loudspeaker Receiver-Transmitter Antenna	1 1 1 2 1 1
AN/URC-47 consisting of AB-558NVRC AS-1729NVRC MS-116A MS-117A MS-118A MT-1029NIRC MT-1898AVRC R-442()/VRC RT-5241)/VRC	Radio Set Base Mount Antenna Antenna Element Antenna Element Antenna Element Mount(RT-524()IVRC) Mount(R-442()NRCI Receiver Receiver-Transmitter	1 1 1 1 1 1 1 1
HF-SSB Radio Facility AN/URC-92 consisting of CU-229/URC H-33F/PT M-23 MT-4891/URC-92 MT-4892/URC-92 RT-1277/URC-92 114-320-001 AS-3286/URC	Radio Set Antenna Coupler Handset Microphone Headset Mount (RT-1277/URC-92) Mount (CU-22291URC-92) Receiver-Transmitter CW Key Antenna	CPO CPO CPO CPO CPO CPO CPO CPO
Secure Communication Facility TSEC/KY-57 TSEC/KY-65	Communications Security Set Communications Security Set	SWP SWP
Navigation facility AN/SPS-59(V)1 consisting of AS-3146/SPS-59(V) IP-1258/SPS-59(V) MX-9804/SPS-59(V) RT-1211/SPS-59(V)	Radar Set Antenna Display Unit Cable Assembly Receiver-Transmitter	1 1 1 1
Miscellaneous MX-7778/G RC consisting of CX-10613/G MX-7777B/GRC	Suppressor Electrical Cable Electrical Transient Suppressor	1 1

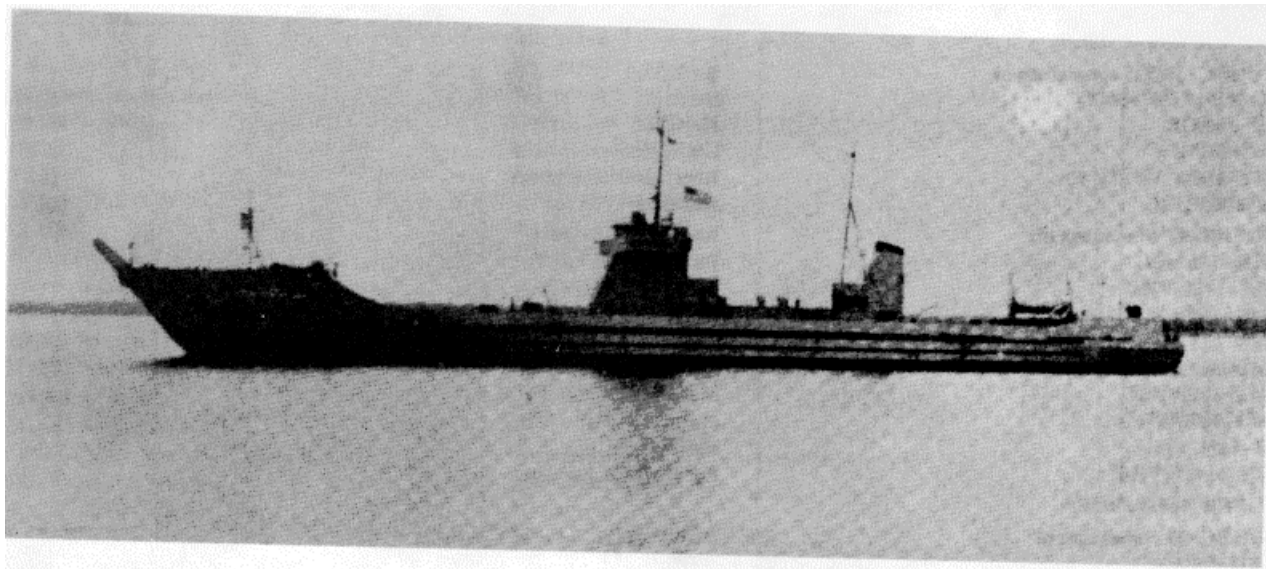


Figure 55 5002 BEECH DISCHARGE LIGHTER

Type/Part Number	Nomenclature	Configuration Status
VHF-FM Radio Facility		
AN/PRC-94	Radio Set	3
810-154-02 (COMCO)	Battery Charger	1
AN/URC-80(V)1 consisting of.	Radio Set	
C-8981/URC-80(V)	Control	1
H- 189/G R	Handset	1
LS-610/UR	Loudspeaker	2
RT-1060()/URC-801V)	Receiver-Transmitter	1
AS-3095/URC	Antenna	1
OK-295/URC	Control Group	1
AN/VRC-46 consisting of	Radio Set	
AS-1729/V RC	Antenna	1
MT-1029/VRC	Mount (RT-524()/VRC)	1
RT-524()/VRC	Receiver-Transmitter	1
High Seas Communication Facility		
AN/SRC-38 consisting of	Radio Set	
AN/SRC-43A	Radio Console	1
AN/SRT-27	Radio Transmitter	1
AN/URA-38	Antenna Coupler	1
AS-()/SRC-38	Antenna	1
J-3361/SRC	Interconnecting Box	1
R-1996/SRC-43	Receiver	1
RE-1110/SRC	Receiver Input Protection Box	1
Emergency Radio Facility		
AN/SRC-6A	Radio Set (Lifeboat)	1
Intercommunication Facility		
LS-518A/SIC	Intercommunications Station	1
LS-519A/SIC	Intercommunications Station	20
	Remote Station	5

Type/Part Number	Nomenclature	Configuration Status
Secure Communication Facility TSEC/KW-7 TSEC/KY-57 TSEC/KY-65	Communications Security Set Communications Security Set Communications Security Set	SWP SWP SWP
Teletypewriter Facility AN/FGC-25X consisting of FN -651FG TT-119()/FG TT-178()IFG MD-522A/GRC TT-98()/FG	Teletypewriter Set Teletypewriter Table Page Printer Reperforator Modem Teletypewriter	1 1 1 1 1
Identification Facility AN/APX-72 consisting of C-6280AIP)/APX MT-3809/APX RT-859()/APX AS-177A/UPX KIT-1A/TSEC MT-35131APX MT-3949A/APX TS-1843/APX	Transponder Set Control Mount (RT-859()IAPX) Receiver-Transmitter Antenna Computer Mount (TS-1843/APX) Mount (KIT- 1A/TSEC) Test Set, Transponder	1 1 1 1 SWP SWP SWP SWP
Navigation facility AN/SPS-641V)5 consisting of AB-1247/SPS-64(V) AS-3194/SPS-64(V) IP-1302/SPS-64(V) RT-1246/SPS-64(V)	Radar Set Antenna Pedestal Antenna Indicator Receiver-Transmitter	2 2 2 2
AN/SQN- 15(V) 1 consisting of DE-740 DE-741	Sonar Sounding Set Digital Display Unit Depth Recorder	1 1
AN/SRD- 18 consisting of 000-1022 001-0634 000-1030 021-1696	Direction Finder Set Loop Antenna Antenna Junction Box Receiver-Indicator Antenna Mounting Block	1 1 1 1
AN/SRN-23 consisting of AS-3395/SRN-23 R-21631SRN-23	Omega Set Antenna Coupler Receiver	1 1
MARK-27 MOD 1 MARK-2 MOD 6 TYPE B MARK 1 MOD 6 TYPE E	Gyro Compass Bearing Repeater Steering Repeater	1 1 1
Miscellaneous PP-47631GRC	Power Supply	1

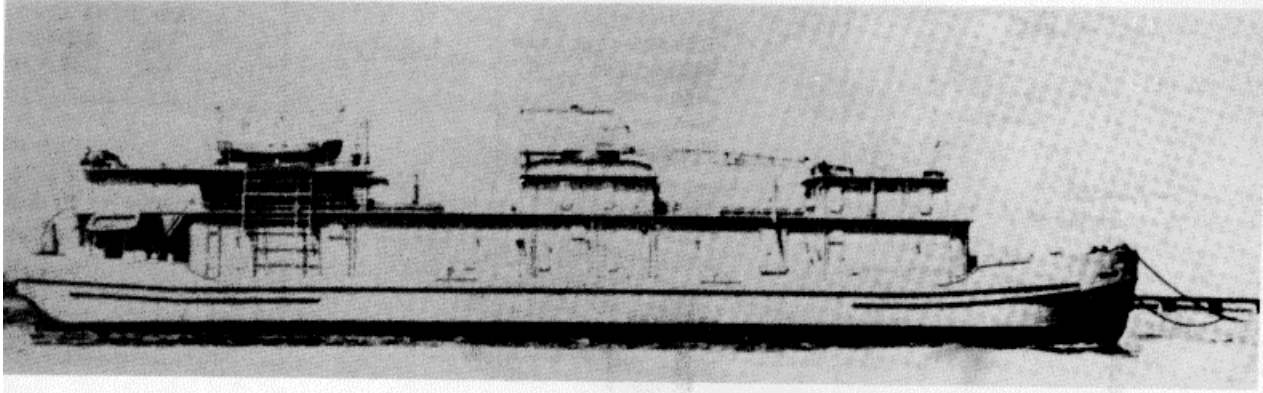


Figure 56. 7011 FLOATING MACHINE SHIP

Type/Part Number	Nomenclature	Configuration Status
VHF-FM Radio Facility AN/URC-80(V)1 consisting of: C-8981/URC-80(V) H-189/GR LS-6101UR RT-1060()IURC-80 AS-3095/URC	Radio Set Control Handset Loudspeaker Receiver-Transmitter Antenna	 1 1 2 1 1
AN/VRC-46 consisting of AS- 1729NRC MT-1029NRC RT-524()IVRC	Radio Set Antenna Mount (RT-5241)/VRC Receiver-Transmitter	 1 1 1
Emergency Radio Facility AN/SRC-6A	Radio Set (Lifeboat)	1
Intercommunication Facility LS-519A/SIC	Intercommunications Station	16
Secure Communication Facility TSEC/KY-57	Communications Security Set	SWP

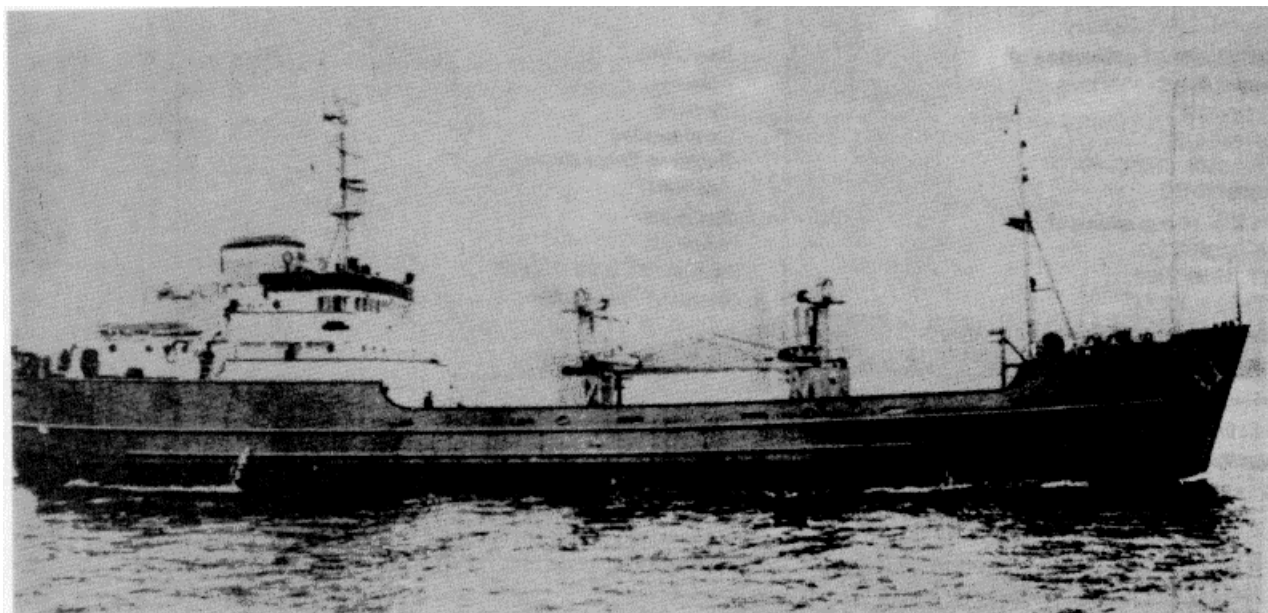


Figure 57. 7013 VESSEL, DRY CARGO

Type/Part Number	Nomenclature	Configuration Status
VHF-FM Radio Facility		
AN/PRC-94	Radio Set	3
810-154-02 (COMCO)	Battery Charger	1
AN/URC-80(V)1 consisting of:	Radio Set	
C-8981/URC-80(V)	Control	1
H-189/GR	Handset	1
LS-61OIUR	Loudspeaker	2
RT-1060()/URC-80(V)	Receiver-Transmitter	1
AS-3095/URC	Antenna	1
OK-295/URC	Control Group	1
AN/VRC-46 consisting of:	Radio Set	
AS-1729/VRC	Antenna	1
MT- 1029/VRC	Mount (RT-524()VRC)	1
RT-524()/VRC	Receiver-Transmitter	1
High Seas Communication Facility		
AN/SRC-38 consisting of:	Radio Set	
AN/SRC-43A	Radio Console 1	
AN/SRT-27	Radio Transmitter	1
AN/URA-38	Antenna Coupler	1
AS-()/SRC-38	Antenna	1
J-3361/SRC	Interconnecting Box	1
R- 1996/SRC-43	Receiver	1
RE-1110I/SRC	Receiver Input Protection Box	1
Emergency Radio Facility		
AN/SRC-6A	Radio Set (Lifeboat)	1
Intercommunication Facility		
LS-519A/SIC	Intercommunications Station	20

Type/Part Number	Nomenclature	Configuration Status
Secure Communication Facility		
TSEC/KW-7	Communications Security Set	SWP
TSEC/KY-57	Communications Security Set	SWP
TSEC/KY-65	Communications Security Set	SWP
Teletypewriter Facility		
AN/FGC-25X consisting of	Teletypewriter Set	
FN-651FG	Teletypewriter Table	1
TT-1194)/FG	Page Printer	1
TT-178()/FG	Reperforator	1
MD-522A/GRC	Modem	1
TT-98()/FG	Teletypewriter	1
Identification Facility		
AN/APX-72 consisting of:	Transponder Set	
C-6280A(P)/APX	Control	CPO
MT-3809/APX	Mount (RT-859()/APX)	CPO
RT-859()/APX	Receiver-Transmitter	CPO
AS-177A/UPX	Antenna	CPO
KIT-1A/TSEC	Computer	SWP
MT-3513/APX	Mount (TS-1843/APX)	SWP
MT-3949A/APX	Mount (KIT-1A/TSEC)	SWP
TS-1843/APX	Test Set, Transponder	SWP
Navigation Facility		
AN/SPS-59(V)1 consisting of	Radar Set	
AS-3146/SPS-59(V)	Antenna	1
IP-1258/SPS-59(V)	Display Unit	1
MX-9804/SPS-59(V)	Cable Assembly	1
RT-1211/SPS-59(V)	Receiver- Transmitter	1
PP-7334/U	Power Supply	1
AN/SPS-64(V)5 consisting of	Radar Set	
AB-1247/SPS-64(V)	Antenna Pedestal	1
AS-3194/SPS-64(VI)	Antenna	1
IP-1302/SPS-64(V)	Indicator	1
RT- 1246/SPS-64(V)	Receiver-Transmitter	1
AN/SQN-15(V)1 consisting of	Sonar Sounding Set	
DE-740	Digital Display Unit	1
DE-741	Depth Recorder	1
AN/SRD-18 consisting of	Direction Finder Set	
000-1022	Loop Antenna	
001-0634	Antenna Junction Box	1
000-1030	Receiver-Indicator	1
021-1696	Antenna Mounting Block	1
AN/SRN-23 consisting of	OMEGA Set	
AS-3395/SRN-23	Antenna Coupler	1
R-2163/SRN-23	Receiver	1
MARK-27 MOD 1	Gyro Compass	1
MARK-2 MOD 6 TYPE B	Bearing Repeater	1
MARK-1 MOD 6 TYPE B	Steering Repeater	1
Miscellaneous		
PP-4763/GRC	Power Supply	1

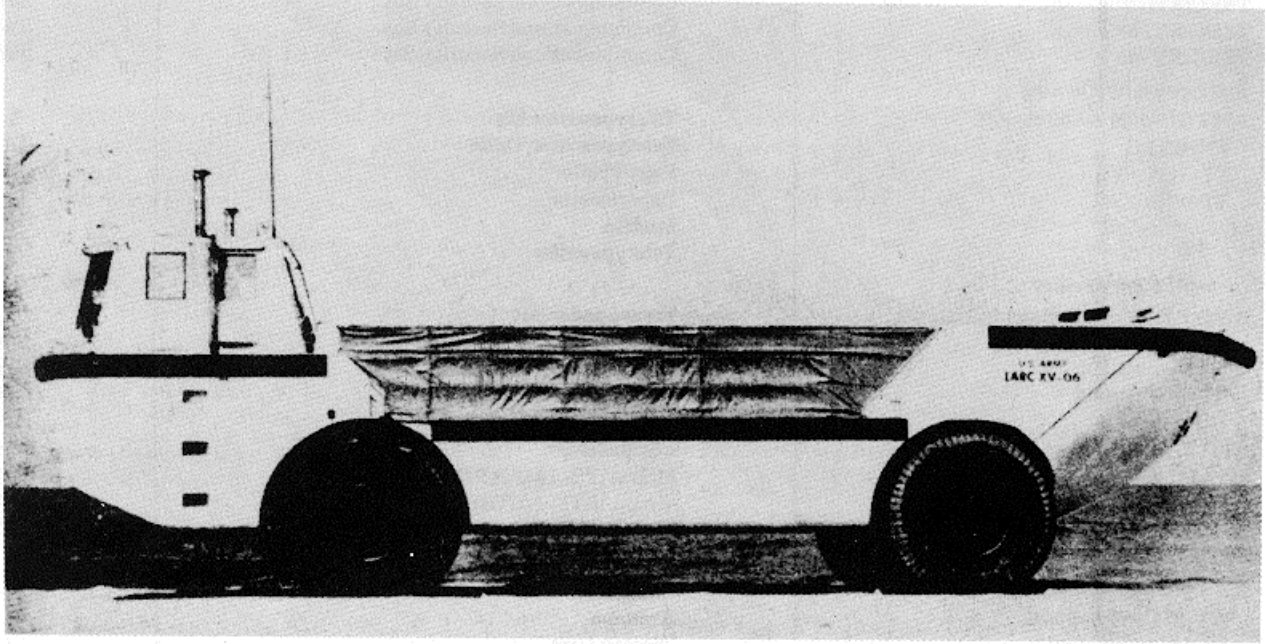


Figure 58. AMPHIBIOUS LIGHTER LARC XV

Type/Part Number	Nomenclature	Configuration Status
VHF-FM Radio Facility AN/VRC-46 consisting of: AS-1729NRC MT-1029NRC RT-524()NRC	Antenna Mount (RT-524()NRC) Receiver- Transmitter	 1 1 1
Intercommunication Facility AN/VIC-1 consisting of. AM-1780N/VRC C-2298NRC H-161()/U	 Amplifier Control Headset-Microphone	 1 - 1
Secure Communication Facility TSEC/KY-57	Communications Set	SWP
Miscellaneous MX-7778/GRC consisting of: CX- 10613/G MX-7777B/GRC	Suppressor Electrical Cable Electrical Transient Suppressor	 1 1

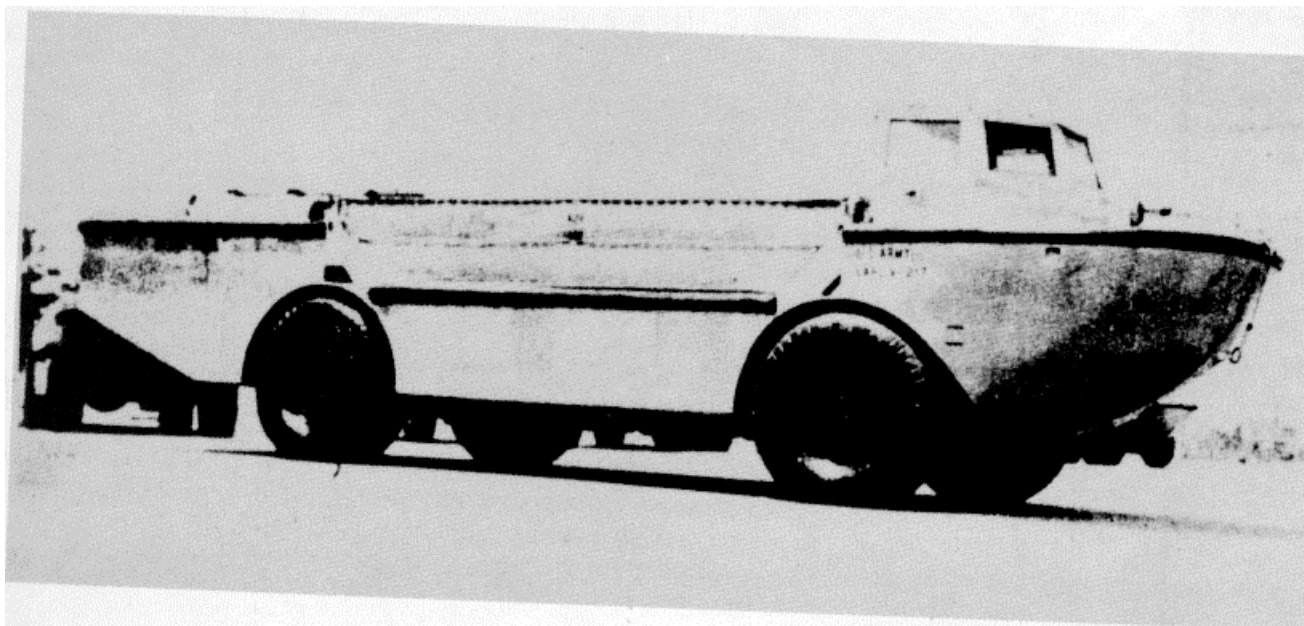


Figure 59. 8005 AMPHIBIOUS LIGHTER LARC-V 8005

Type/Part Number	Nomenclature	Configuration Status
VHF-FM Radio Facility ANNRC-46 consisting of: AS-1729/VRC MT- 1029/VRC RT-524()/VRC Secure Communications Facility TSEC/KY-57 Miscellaneous MX-7778/GRC consisting of- CX-10613/GRC MX-7777B/GRC	Antenna Mount (RT-524()/VRC) Receiver-Transmitter Communications Security Set Suppressor Electrical Cable Electrical Transient Suppressor	 1 1 1 SWP 1 1

APPENDIX A

ELECTRONIC SYSTEMS AND SUBSYSTEMS MANAGEMENT DATA

This appendix includes the various electronics systems, subsystems and major components thereof, listed alphanumerically. Commercial items are Listed by manufacturers part number following the MILITARY designated items. The following data is furnished, if available and where applicable

Type Number: Self explanatory.

Nomenclature: A noun or brief descriptive group of terms which designates the family name of the item.

National/NATO Stock Number {NSN): A thirteen character number assigned to items of supply which are repetitively used, purchased, stocked or distributed within the Federal Supply System.

Source of Supply (SOS): A three character Routing Identifier Code which identifies the activity having item management responsibility and to which requisitions should be directed.

Code	Activity
AKZ.....	US Army Tank-Automotive Command Warren, MI 48090
AP5.....	US Army Support Activity, Philadelphia Philadelphia, PA 19101
A35.....	US Army General Materiel and Petroleum Activity New Cumberland Army Depot New Cumberland, PA 17070
B14.....	US Army Armament Command Rock Island, IL 61299
B16.....	US Army Communications-Electronics Command Director of Materiel Management Ft. Monmouth, NJ 07703
B 17.....	US Army Troop Support and Aviation Materiel Readiness Command 4300 Goodfellow Boulevard St. Louis, MO 63120
B46.....	US Army Electronics Materiel Readiness Activity Vint Hill Farms Station Warrenton. VA 22186
B56.....	US Army Communications Security Logistics Agency Ft. Huachuca, AZ 85613
B63.....	Biological Depot Walter Reed Army Medical Center Washington, DC 20012
B64.....	US Army Missile Command Redstone Arsenal, AL 35809
B69.....	US Army Medical Materiel Agency Frederick, MD 21701
FFZ.....	Sacramento ALC Air Force Materiel McClellan AFB, CA 95652
FGZ.....	Ogden ALC Air Force Materiel Hill AFB, U'T 84406
FHZ.....	Oklahoma City ALC Air Force Materiel Tinker AFB, OK 73145

Code	Activity
FLZ.....	Warner-Robins ALC Air Force Materiel Robins AFB, GA 31093
FPE.....	San Antonio ALC Defense Electronics Supplies Kelly AFB, San Antonio, TX 78421
FPH.....	San Antonio ALC Missile Propellants Kelly AFB, TX 78241
FPX.....	San Antonio ALC Special Weapons Kelly AFB, TX 78241
FPZ.....	San Antonio ALC Air Force Materiel Kelly AFB, TX 78241
GO.....	G Blank O identifies the item as managed by GSA Closest source, as outlined in AR 725-50, applies to the second position of the code.
MPB.....	Supply Operations Div P820 MCLSB Atlantic Albany, GA 31704
N32.....	Aviation Supply Office Navy Materiel Philadelphia, PA 19111
N36.....	Navy Ships Parts Control Center Navy Materiel Mechanicsburg, PA 17055
N47.....	Navy Fleet Materiel Support Office Navy Materiel Mechanicsburg, PA 17055
SS.....	S Blank S identifies the item as a subsistence managed item. Closest source, as outlined in AR 725-50, applies to the second position of the code.
S9C.....	Defense Construction Supply Center (DCSC) Columbus, OH 43215
S9E.....	Defense Electronics Supply Center (DESC) Dayton, OH 45444
S9G.....	Defense General Supply Center (DGSC) Richmond, VA 23219
S9I.....	Defense Industrial Supply Center (DISC) 700 Robbins Avenue Philadelphia, PA 19111
S9M.....	Defense Personnel Support Center (DPSC) Directorate of Medical Materiel 2800 South 20th Street Philadelphia, PA 19101
S9.....	Defense Personnel Support Center (DPSC) Directorate of Subsistence 2800 South 29th Street Philadelphia, PA 19101
9T.....	Defense Personnel Support Center (DPSC) Directorate of Clothing and Textiles 2800 South 20th Street Philadelphia, PA 19101

Price: Item cost according to the latest edition of the Army Master Data File (AMDF) available at the time of this printing.

Appropriation Code (FUND): Denotes principal, (APA), secondary (PS) or stock fund (SF) items as indicated in the latest edition of the AMDF at the time of this printing.

Logistics Control Code (LCC): A one character alphabetic code assigned to Army Adopted Items and other materiel to provide a basis for logistical support decisions, i.e., procurement, overhaul repair parts, provisioning, requisitioning distribution, etc. These codes are

Code	Explanation
A.....	Items/systems acceptable for the intended mission.
B.....	Items/systems acceptable for the intended mission which normally are being replaced through modernization.
C	Used only for items previously type classified "Standard C" under earlier regulations and are still in the inventory.
D	Items/systems undergoing development which have not qualified for type classification.
F.....	Mission Essential Contingency Items (MECI).
N	Is entered only if items have not been separately type classified.
O	Obsolete items.
R	Non-LIN related items not appearing in SB 700-20.
S.....	Contingency items other than Mission Essential Contingency Items that are suitable for training.
T.....	Items classified as Limited Procurement to provide quantities for test.
U	All items type classified for Limited Procurement.

End Item/Used With: Self Explanatory.

(Next printed page is A-3)
A-2.1

ELECTRONIC SYSTEMS AND SUBSYSTEMS MANAGEMENT DATYA

TYPE NUMBER	NOMENCLATURE	NSN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
AN/APX-72	Transponder Set	5895-00-879-0211	B16	\$ 3,350.00	APA	A	
AN/FGC-25X(Modified)	Teletypewriter Set	See Components					
AN/PRC-94	Radio Set	5820-00-110-5722	B16	799.00	APA	R	
AN/SPS-59(V)1	Radar Set	5840-01-017-2798	B16	8,355.00	APA	R	
AN/SPS-64 V)5	Radar Set	5840-01-034-3946	B16	21,100.00	APA	R	
AI/SQN-S V) 1	Sonar Sounding Set	5845-00-629-5277	B16	6,222.00	APA	R	
AN/SRC-6()	Radio Set	5820-00-532-3979	B16	971.00	APA	A	
AN/SRC-38	Radio Telegraph Comm. System	See Components					
AN/SRC-43A	Radio Console	5820-01-012-4240	B16	8,000.00	APA	R	AN/SRC-38
AN/SRO-18	Direction Finder Set	5825-00-148-6194	B16	3,434.00	APA	R	
AN/SRN-23	Omega Set	5821-01-105-0439	B16	20,000.00	APA	R	
AN/SRT-27	Radio Transmitter	5820-00-153-9416	B16		SF	R	AN/SRC-38
AN/URA-38A	Antenna Coupler Group	5985-00-486-8589	B16	140.00	APA	R	AN/SRC-38
AN/URC-10	Radio Set	5820-00-832-9158	B16	820.00	APA	S	
AN/URC-80(V) 1	Radio Set	5820-01-045-0498					
AN/URC-80(V)3	Radio Set	582 80-9780R2	B16	3,621.00	APA	A	
AN/URC-92	Radio Set	5820-01-057-6447	B16	9,631.00	APA	R	
AN/VRC-I	Intercommunications Set	See Components					
AN/VRC-46	Radio Set	5820-00-223-7433	B16	5,068.00	APA	A	
AN/VRC-47	Radio Set	5820-00-223-7434	B16	7,440.00	APA	A	
AB-558/GR	Base. Mount	5820-00-474-6163	B16	36.62	SF	R	AN/VRC-47
AB-1247/SPS-64(V)5	Antenna Pedestal Ass'y	5840-01-049-1016	B16	200.00	PS	R	AN/SPS-64(V)5
ACR RT-10	Receiver-Transmitter	5820-00-912-4480	B16	260.00	APA	B	
AM-1780/VRC	Audio Frequency Amplifier	5820-00-892-3342	B16	369.00	SF	A	AN/VIC-I(V)
AS-177B/UPX	Antenna	5985-00-470-5364	B16	1,130.00	SF	R	AN/APX-72
AS-1729/VRC	Antenna	5985-00-985-9024	B16	163.00	SF	R	AN/VRC-46/47
AS-3095/URC	Antenna	5985-00-115-2071	S9E	50.99	SF	R	AN/URC-80(V)I
AS-3146/SPS-59(V)	Antenna	5840-01-017-3024	B16	1,508.00	PS	R	AN/SPS-59(V)I
AS-3194/SPS-64(V)	Antenna	5985-01-026-9676					AN/SPS-164(VS)
AS-3286/URC	Antenna	5895-01-052-1272	B16	25.00	APA	R	AN/URC-92
AS-3287/URC-92	Antenna	5895-01-052-1273	B16	\$ 25 00	APA	R	AN/URC-92
AS-3395/SRN-23	Coupler. Antenna						AN/SRN-23
BB-703U/SRC-43	Battery	6140-01-013-7644	B16	1,066.00	SF	R	AN/SRC-38
C-2298/VRC	Control, Intercommunication	5820-00-892-3339	B16	143.00	SF	A	AN/VIC-I(V)
C-3698/URA-38	Antenna Coupler Control	5985-01-014-8881					AN/SRC-38
C-3698A/URA-38	Antenna Coupler Control	5985-01-014-8882					AN/SRC-38
C-6280A(P)/APX	Transponder Control	5895-00-089-4403	B16	103.00	PS	N	AN/APX-72
C-8981/URC-so80(V)	Control	5820-00-164-2146	B16	848.00	PS	R	AN/URC-BO(V)
C-9772/URC-80(V)	Control						OK-295/URC-80
C-9949/SRC-43	Battery Charge Panel	6130-01-020-2828	B16	286 00	SF	R	AN/SRC-38
CU-938A/URA-38	Antenna Coupler	5985-00-134-1526					AN/SRC-38
CU-2229/URC-92	Antenna Coupler	5985-01-053-9466	B16	75.00	APA	R	AN/URC-92
CX-4524/U	Cable Ass'y. Power	5995-00-985-7900	S9G	24.56	SF	R	PP-2953()/U
CX-4720/VRC	Cable Ass'y, Power (10 ft)	5995-00-823-2726	S9G	21.82	SF	R	AN/VIC-I(V), PP-2953()/U
CX-4721/VRC	Cable Ass'y. Power (5 ft)	5995-00-832-8945	B16	44.43	SF	R	PP-2953()/U
CX-4723/VRC	Cable Ass'y, Electrical	5995-00-823-2833	S9G	46.48	SF	R	AN/VIC-I(V)
CX-10613/G	Cable Ass'y, Electrical (12 ft)	5995-W-935-5249	S9G	57.74	SF	R	MX-7778/GRC
FN-65/FG	Teletypewriter Table	5815-00-503-2624	S9E	211.35	SF	R	AN/FGC-25X(Modified)
H-161/GR	Headset-Microphone	5965-00-825-4871	S9E	40.76	SF	R	AN/VIC-I(V)
H-161A/G	Headset-Microphone	5965-00-082-4037	S9E	55.76	SF	R	AN/ IC-I (V
H-161B/U	Headset-Microphone	5965-01-104-0947	S9E	123.18	SF	R	AN/VIC- I(V
H-189/GR	Handset	5965-00-069-8886	B16	31.48	SF	R	AN/URC-80(V)
IP-1258/SPS-59	Display Unit	5840-01-017-2684	B16	1,960.00	SF	R	AN/SPS-59(V)
IP-1302/SPS-64(V)	Indicator, Azimuth Range	5840-01-034-3932	B16	6,133.00	SF	R	AN/SPS-64(V)5
J-3318/URC-80(V)	Interconnecting Box						AN/URC-O8(V)
J-3361/SRC	Interconnecting Box	5821-01-017-4842	B16	128.00	SF	R	AN/SRC-38
KIT-1A/TSEC	IFF Computer	5810-00-061-3386	B556	1,438.00	APA	A	AN/APX-72
KY-821/SRC-43	Auto Alarm Keyer	5820-01-017-6970					AN/SRC-38
LS-518A/SIC	Intercommunications Set	5830-01-018-1202					
LS-519A/SIC	Intercommunications Set	5830-01-020-6280					

ELECTRONIC SYSTEMS AND SUBSYSTEMS MANAGEMENT DATYA

TYPE NUMBER	NOMENCLATURE	NSN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
LS-610/UR	Loudspeaker	5965-00-092-4364	B16	\$ 68.00	PS	R	AN/URC-80(V)
M-23	Headset	5965-00-378-3403					AN/URC-92
M-80/GR	Microphone	5965-01-082-5861	B16	80.00	PS	R	OK-295/URC-80
M-80C/GR	Microphone	5965-00-179-7762	59E	37.25	SF	R	OK-295/URC-80
M-143/GR	Microphone	5965-00-102-3803	B16	142.00	SF	R	AN/SRC-38
MD-522/GRC	Modem	5815-00-999-5277	B16	5,000.00	APA	B	AN/FGC-25X (Modified)
MB-522A/GRC	Modem	5815-00-919-4800	B16	3,318.00	APA	A	AN/FGC-25X (Modified)
MD-1001/SRC	Modulator Assembly	5820-01-012-8791	B16	2,500.00	APA	R	AN/SRC-38
MS-116A	Antenna Element	5820-00-199-8831	59E	3.70	SF	R	AN/VRC-47
MS-117A	Antenna Element	5985-00-115-7149	S9E	3.70	SF	R	AN/VRC-47
MS-118A	Antenna Element	5985-00-238-7474	S9E	4.08	SF	R	AN/VRC-47
MT-1029/VRC	Mount	5820-00-893-1323	B16	86.78	SF	R	AN/VRC-46/47
MT-1898/VRC	Mount	5820-00-893-1324	B16	63.12	SF	A	AN/VRC-47
MT-3513/APX	Mount	5895-00-919-9513	B16	10.00	APA	R	TS-1843/APX
MT-3809/APX-72	Mount	5895-00-063-9498	B16	55.83	PS	R	AN APX-72
MT-3949A/U	Mount	5975-00-935-9582	B16	15.00	PS	R	KIT-1A/TSEC
MT-4789/SRC-43	Console Frame	5820-01-010-5019	B16		SF		AN/SRC-38
MT-4790/SRT	Mount						AN/SRC-38
MT-4981/URC-92	Mount	5820-01-306-7228					AN/URC-92
MT-4982/URC-92	Mount	5975-01-052-1264	B16	25.00	APA	R	A,URC-92
MX-7777/GRC	Electrical Transient Suppressor	5915-00-937-9577	B16	72.10	SF	R	KX-7778A/GRC
MX-7777B/GRC	Electrical Transient Suppressor	5915-00-431-6717	B16	237.00	SF	R	tX-7778A/GRC
MX-7778A/GRC	Electrical Transient Suppressor	5915-00-431-6718	B16	393.00	SF	R	
MX-9804/SPS-59(V)	Cable Assembly. Electrical	5840-01-017-3070	S9G	1,157.00	SF	R	AN/SPS-S9(V)
OK-295/URC-80(V)	Control Group						AN/URC-800()
PP-2953/U	Power Supply	6130-00-985-7899	B16	2,400.00	APA	A	
PP-4763/GRC	Power Supply	5820-00-937-7690	B16	1,249.00	APA	B	
PP-4863A/GRC	Power Supply	5820-00-113-9768	B16	1,637.00	APA	A	
PP-7072/SRT	Power Supply	5820-00-368-8408	B16			R	AN/SRC-38
PP-7078/U	Static Inverter	6130-00-148-5763	B16	2,670.00	APA	R	
PP-7251/SRC-43	High Voltage Power Supply						AN/SRC-38
PP-7334/U	Power Supply	6130-01-017-9155	B16	\$ 210.49	APA	R	
PU-140 ()	Rotary Converter	6125-00-185-1086	B16	120.00	APA	R	
R-390A/URR	Receiver	5820-00-538-7555	816	1,314.00	APA	A	
R-442/VRC	Receiver	5820-00-892-0624	B16	1,957.00	APA	A	AN/VRC-47
R-1994/SC-43	Auxiliary Receiver						AN/SRC-38
R-1995/SRC-43	Auto Alarm Receiver	5820-01-009-8425	B16	2,170.00	PS	R	AN/SRC-38
R-1996/SRC-43	Main Receiver	5820-01-009-8424	B16	4,314.00	PS	R	AN/SRC-38
R-2163/SRN-23	Receiver, Radio						AN/SRN-23
RE-1110/SRC	Receiver Input Protection Relay						AN/sRC-38
RT-278/URC-10	Receiver-Transmitter	5820-00-985-9016	B16,	151.00	APA	S	AN/URC-IO
RT-524/YRC	Receiver-Transmitter	5820-00-892-0622	B16	2,351.00	APA	A	AN/VRC-46/47
RT-859/APX-72	Receiver-Transmitter	5895-00-089-7179	B16	2,436 .00	APA	N	AN/APX-72
RT-859A/APX-72	Receiver-Transmitter	5895-00-149-1319	B16	3,320.00	APA	R	AN/APX-72
RT-1060/URC-BO(V)	Receiver-Transmitter						AN/URC-80() 1
RT-1051/UC-80o(v)	Receiver-Transmitter	5820-00-110-8617	B16	2,500.00	PS	R	AN/URC-80(V)3
RT-1211/SPS-59(V)	Receiver-Transmitter	5840-01-018-1674	B16	2,367.00	PS	R	AN/SPS-59(V)
RT-1246/SPS-64(V)	Receiver- Transmitter	5840-01-034-3945	B16	3,302.00	SF	R	AN/SPS-64(V)5
RT-1277/URC-92	Receiver-Transmitter	5820-01-052-1307	B16	200.00	PS	R	AN/URC-92
SA-2072/SRC-43	Auxiliary Switch Panel Ass'y	5820-01-017-9154	B16	317.00	SF	R	AN/SRC-38
SA-2073/SRC-43	Antenna Transfer Switch						AN/SRC-38
T-1283/SRT	Transmitter	5820-00-320-9743	B16		SF	R	AN/SRC-38
T-1317/SRC-43	Main Transmitter						AN/SRC-38
T-1313/SRC-43	Reserve Transmitter	5820-01-010-5112	B16		SF	R	AN/SRC-38
TS-1843/APX	Transponder Test Set	5895-00-895-4446	B16	176.00	APA	A	AN/APX-72
T-98()/FG	Teletypewriter	5815-00-503-2764	B16	1,078.00	APA	B	AN/FGC-25X(Modified)
TT-119()/FG	Page Printer	5815-00-539-7773	B16	2,123.00	APA	B	AN/FGC-25X(Modified)
TT-178()/FG	Reperforator	5815-00-543-1327	B16	2,273.00	APA	B	AN/FGC-25X(Modified)
DE-740(Raytheon)	Digital Depth Sounder	5845-00-629-5276	B16	6,222.00	APA	R	AN/SN-15(V)1
DE-741(Raytheon)	Depth Recorder	5845-01-023-9549	B16	3,869.00	SF	R	AN/SON-15(V)1

ELECTRONIC SYSTEMS AND SUBSYSTEMS MANAGEMENT DATYA

TYPE NUMBER	NOMENCLATURE	NSN	SOS	PRICE	FUND	LCC	END ITEM/USED WITH
MARK 1 MOD 6 (TYPE E)	Ships Course Indicator						MARK 27 MOD 1
MARK 2 MOD 6 (TYPE B)	Ships Course Indicator						MARK 27 MOD 1
MARK 27 MOD 1	Gyro Compass System						MARK 27 MOD 1
MR-148-19 (MACKAY)	Auto Alarm Bell						AN/SRC-38
MR-170-3B (MACKAY)	Loudspeaker						AN/SRC-38
MR-219-31A(MACKAY)	Battery Charger	6130-01-009-4863	B16	647.00	SF	R	A/SRC-38
MR-411-3A(MACKAY)	Jack Panel						AN/SRC-38
MR-535-22A(MACKAY)	Fuse Plate Ass'y						AN/SRC-38
MR-599-5A(MACKAY)	Keying Relay	5820-01-013-7632	B16	50.49	SF	R	AN/SRC-38
RF-110	RF Amplifier	5820-00-370-3665	616		SF	R	AN/SRC-38
000-1022(BENDIX)	Loop Antenna						AN/SRD-18
000-1030(BENDIX)	Sense Antenna						AN/SRD-18
001-0634(BENDIX)	Junction Box, Antenna						AN/SRD-18
001-0692(BENDIX)	Cable. Loop						AN/SD-18
001-1209(BENDIX)	Cable Assembly. Power						AN/SRD-18
021-1696(BENDIX)	Antenna Mounting Block						AN/SRD-18
021-1697(BENDIX)	GasketA/S-8						
4008338 901	Radio Magnetic Heading Sys						
5024-0007	Handset Assembly	5826-00-306-1203					AN/URC-92
5024-0009	Telegraph CW Key	580S-00-357-4540					AN/URC-92
7426-1001P1(Raytheon)	Transducer	5845-01-023-9541	B16	1,367.00	SF	A	AN/SQN-15(V)1
7435-5001G1(Raytheon)	Digital Display Unit						AN/SQN-15(V)1
7436-5001G1(Raytheon)	Electrical Control Unit						AN/SQN-15(V)1
7437-5001G1(Raytheon)	Depth Recorder						AN/SQN-15(V)1
7511-1002P1(Raytheon)	Transducer						AN/SQN-15(V)1
802-M(COMCO)	Transceiver						
810-151-01(COMCO)	Carrying Ease	5820-01-028-8259	S9E	17.15	SF	R	AN/PRC-94
810-154-02(COMCO)	Battery Charger	5820-01-028-8258	B16	65.58	SF	R	AN/PRC-94
810-156-02-(COMCO)	Battery Pack	6135-00-110-7463	N35	39.00	SF	R	AN/PRC-94
810-164-01(COMCO)	Antenna, Whip	5985-00-172-5159					AN/PRC-4
810-168-01(COMCO)	Microphone-Speaker	5820-01-037-2277	S9E	66.32	SF	R	AN/PRC-94

A-5/(A-6 Blank)

APPENDIX B

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

This appendix includes the tools and test equipment, listed alphanumerically, required to support electronics systems and components. Commercial items are listed by manufacturers part number or noun following the military designated items. The following data is furnished, if available and where applicable:

Type Number: Self explanatory.

Nomenclature: A noun or brief descriptive group of terms which designates the family name of the item.

National/NATO Stock Number (NSN): A thirteen

character number assigned to items of supply which are repetitively used, purchased, stocked or distributed within the Federal Supply System.

Line Item Number (LIN): A six character alphanumeric identification of a generic nomenclature and of the line on which the generic nomenclature is listed in SB 700-20 and in Army Equipment authorization documents.

Source Of Supply (SOS): A three character Routing Identifier Code which identifies the activity having item management responsibility and to which requisitions should be directed.

Code	Activity
AKZ	US Army Tank-Automotive Command Warren, MI 48090
AP5	US Army Support Activity, Philadelphia Philadelphia, PA 19101
A35.....	US Army General Materiel and Petroleum Activity New Cumberland Army Depot New Cumberland, PA 17070
B14.....	US Army Armament Command Rock Island, IL 61299
B16.....	US Army Communications-Electronics Command Director of Materiel Management Ft. Monmouth, NJ 07703
B17.....	US Army Troop Support and Aviation Materiel Readiness Command 4300 Goodfellow Boulevard St. Louis, MO 63120
B46.....	US Army Electronics Materiel Readiness Activity Vint Hill Farms Station Warrenton, VA 22186
B56.....	US Army Communications Security Logistics Agency Ft. Huachuca, AZ 85613
B63.....	Biological Depot Walter Reed Army Medical Center Washington, DC 20012
B64.....	US Army Missile Command Redstone Arsenal, AL 35809
B69.....	US Army Medical Materiel Agency Frederick, MD 21701
FFZ	Sacramento ALC Air Force Materiel McClellan AFB, CA 95652
FGZ.....	Ogden ALC Air Force Materiel Hill AFB, UT 84406

Code	Activity
FHZ	Oklahoma City ALC
.....	Air Force Materiel
.....	Tinker AFB, OK 73145
FLZ	Warner-Robins ALC
.....	Air Force Materiel
.....	Robins AFB, GA 31093
FPE	San Antonio ALC
.....	Defense Electronics Supplies
.....	Kelly AFB, San Antonio, TX 78421
FPH	San Antonio ALC
.....	Missile Propellants
.....	Kelly AFB, TX 78241
FPK	San Antonio ALC
.....	Special Weapons
.....	Kelly AFB, TX 78241
FPZ	San Antonio ALC
.....	Air Force Materiel
.....	Kelly AFB, TX 78241
GO	G Blank O identifies the item as managed by GSA.
.....	Closest source, as outlined in AR 725-50, applies
.....	to the second position of the code.
MPB	Supply Operations Div P820
.....	MCLSB Atlantic
.....	Albany, GA 31704
N32	Aviation Supply Office
.....	Navy Materiel
.....	Philadelphia, PA 19111
N35	Navy Ships Parts Control Center
.....	Navy Materiel Mechanicsburg, PA 17055
N47	Navy Fleet Materiel Support Office
.....	Navy Materiel
.....	Mechanicsburg, PA 17055
SS	S Blank S identifies the item as a subsistence
.....	managed item. Closest source, as outlined in AR
.....	725-50, applies to the second position of the code.
S9C	Defense Construction Supply Center (DCSC)
.....	Columbus, OH 43215
S9E	Defense Electronics Supply Center (DESC)
.....	Dayton, OH 45444
S9G	Defense General Supply Center (DGSC)
.....	Richmond, VA 23219
S9I	Defense Industrial Supply Center (DISC)
.....	700 Robbins Avenue
.....	Philadelphia, PA 19111
S9M	Defense Personnel Support Center (DPSC)
.....	Directorate of Medical Materiel
.....	2800 South 20th Street
.....	Philadelphia, PA 19101
S9S	Defense Personnel Support Center (DPSC)
.....	Directorate of Subsistence
.....	2800 South 20th Street
.....	Philadelphia, PA 19101
S9T	Defense Personnel Support Center (DPSC)
.....	Directorate of Clothing and Textiles
.....	2800 South 20th Street
.....	Philadelphia, PA 19101

Price: Item cost according to the latest edition of the Army Master Data File (AMDF) available at the time of this printing.

Appropriation Code (FUND): Denotes principal (APA), secondary (PS) or stock fund (SF) items as indicated in the latest edition of the AMDF at the time of this printing.

Logistics Control Code (LCC): A one character alphabetic code assigned to Army Adopted Items and other materiel to provide a basis for logistical support decisions, i.e., procurement, overhaul, repair parts, provisioning, requisitioning, distribution, etc. These codes are:

Code	Explanation
A.....	Items/systems acceptable for the intended mission.
B.....	Items/systems acceptable for the intended mission which normally are being replaced through modernization.
C.....	Used only for items previously type classified "Standard C" under earlier regulations and are still in the inventory.
D.....	Items/systems undergoing development which have not qualified for type classification.
F.....	Mission Essential Contingency Items (MECI).
N.....	Is entered only if items have not been separately type classified
O.....	Obsolete items
R.....	Non-LIN related items not appearing in SB 700-20.
S.....	Contingency items other than Mission Essential Contingency Items that are suitable for training.
T.....	Items classified as Limited Procurement to provide quantities for test.
U.....	All items type classified for Limited Procurement.

Preferred Items List (PIL): An asterisk (*) in this column indicates the item is either on or is a candidate for the Department of Army TMDE Preferred Items List.

Equipment Supported: Self explanatory. General purpose is listed if the item supports three or more individual end items. A (D) indicated the item is

Applicable Publications: Self explanatory.

Commercial Equivalent: Self explanatory.

(Next printed page is B-3)

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
AN/APM-123(V)	Test Set, Transponder	5625-00-948-0071	V99347	B16	\$7,881.00	APA	A	(*)	TM 11-6625-667 Series	AN/APX-72	SM-L 568404
AN/APM-239A	Test Set, Transponder	4920-00-802-7425	Y99416	B16	3,000.00	APA	B		TM 11-6625-842 Series	AN/APX-72	Hazeltine 119598-1
AK/APM-245A	Test Set, Simulator	6625-00-164-6551	V92715	B16	2,500.00	APA	B		TM 11-6625-1711 Series	AN/APX-72	
AI/GRM-SO	Generator, Signal	6625-00-868-8353	J52472	B16	1,349.00	PS	A		TM 11-6625-573 Series	General Purpose	
AN/GSM-64	Voltmeter, Digital	6625-00-870-2264	Y11426	B16	4,559.00	APA	A	(*)	TM 11-6625-444 Series	General Purpose	Non Linear V35A
NTG-SM-64A	Voltmeter, Digital	6625-00-165-5779	Y14626	B16	1,846.00	APA	A	(*)	TM 12-662-2616 Series	General Purpose	Non Linear 34-2
AN/GSM-64 8	Voltmeter Digital	6625-00-022-7694	Y14526	B16	2,031.00	APA	A	(*)	TM11-6625-444 Series	General Purpose	Fluke 8400A
AN/UGM-1	Test Set, Tele-typewriter	6625-00-965-0195	V97619	B16	1,475.00	APA	A	(*)	TM 11-6625-620 Series	MD-522(J)/GRC	
AN/UPMIS	Generator, Pulse	6625-00-643-5969	J33780	B16	332.00	APA	A	l)	TM 11-6625-368 Series	General Purpose	AR 1-1997
AN/UPMISA	Generator, Pulse	6625-00-682-2581	J33760	B16	430.00	APA	B		TM 11-6625-368 Series	General Purpose	ARF 1-1997
AN/UPPI-VEA	Test Set Radar	6625-00-912-0429	V84816	B16	9,791.00	APR	B		TM 11-6625-403 Series	AN/APX-72	Admiral GJ 4110
PN/UPM-9 8	V Test Set Radar	6625-00-403-7990	Y84876	B16	9,249.00	APA	B		TM 11-6625-403 Series	AN/APX-72	Admiral GE 7411
AN/URM-250	Generator, Signal	6625-00-649-5193	J52549	B16	287.14	APA	A	(*)	TM 11-6625-278 Series	General Purpose	Federal 315
AN/URM-25F	Generator, Signal	6625-00-643-1548	J52549	B16	500.00	APA	B		TM 11-5551	General Purpose	New London 162-0-00
AN/URM-44A	Generator, Signal	6625-00-990-7700	J52823	B16	1,655.00	APA	A	(*)	TM 11-6625-412 Series	General Purpose	COSMOS 1350000
AN/URM-64	Generator, Signal	6625-00-553-0433	J53508	B16	730.00	APA	A	(*)	TM 11-6625-299 Series	AN/API-72	Bay CO 161-04001
AN/URM-64A	Generator, Signal	6625-00-087-4795	J53506	B16	1,196.00	APA	A	(*)	TM 11-6625-299 Series	AN/APX-72	Orion 031204 000
AN/UPRM-11	Generator, Signal	6625-00-868-8352	J53682	B16	2,643.00	APA	A	(*)	TM 11-6625-586 Series	General Purpose	Macaroni TF 1066B
AN/URM-105	Multimeter	6625-00-581-2036	M80002	B16	36.44	PS	A	(*)	TM 11-6625-203 Series	General Purpose	
AN/URM-105B	Multimeter	6625-00-848-1758	M80002	B16	46.51	PS	A	(*)	TM 11-625-203 Series	General Purpose	
AN/URM-105C	Multimeter	6625-00-999-6282	M80002	B16	78.00	PS	A	(*)	TM 11-6625-203 Series	General Purpose	Barnett 6 105
AN/UNM-120	Test Set, RF Power	6625-00-813-8410	V89534	B16	196.73	SF	A	(*)	TM 11-6625-446 Series	General Purpose	Sierra SK 13009-4
AN/URM-120A	Test Set, NF Power	6625-01-039-1469	V898634	B16					TM 11-6625-446 Series	General Purpose	
AN/URNM-127	Generator, Signal	6625-00-783-5965	J53712	B16	187.00	APA	A	(*)	TM 11-6625-683 Series	General Purpose	
AN/URM-145	Voltmeter, Electronic	6605-00-973-3986	14663	B16	427.00	PS	A	(*)	TM 11-6625-524 Series	General Purpose	Boonton 91CA
AN/URM-172	Test Set, Radio	6625-00-832-8551	V89601	B16	200.00	APA	B		TM 11-6625-1698 Series	AN/URC-10 6 ACR RT-10 ACR Elec 56-06-0015P	
AN/USM-44A	Generator, Signal	6625-00-539-9685	J53782	B16	1,761.00	PS	A	(*)	TM 11-6625-508 Series	General Purpose	HP E02-608D
AN/USM-44B	Generator, Signal	6625-00-176-5708	J53782	B16	1,761.00	PS	A	(*)	TM 11-6625-508 Series	General Purpose	HP E02-608E
AN/USM-44C	Generator, Signal	6625-00-138-7773	J53782	B16	1,289.00	PS	A	(*)	TM 11-6625-2697 Series	General Purpose	AUL 1D0713
AN/USM-98	Voltmeter, Electronic	6625-00-753-2115	Y14800	B16	571.00	PA	A		TM 11-6625-438&599 Series	PP-4763S (J)GRC	Trio 801
AN/USM-159	Frequency Meter	6625-00-692-5360	J0004	B16 S	654.00	APA	A	(*)	TM 11-6625-486 Series	General Purpose	Lavone K-50110200
AN/USM-161	Test Set, RF Power	6625-00-892-5541	V89808	B16	781.00	APA	A	(*)	TM 11-6625-498 Series	General Purpose	Gen Microwave 457
ANIUSM-203	Generator Sweep Sig	6625-00-935-0145	J58919	B16	2,528.00	APA	B		TM 11-6625-1559 & 2575 Series	General Purpose	Jerrold 912-423
AN/USN-27	Generator Sweep Sig	6625-00-455-6694	J58919	B16	3,000.00	SF	R		TM 11-6625-2575 Series	General Purpose	TEXSCON 200-441
AN/USM-207	Counter, Electronic	6625-00-911-6366	F19198	B16	3,726.00	APA	A		TM 11-6625-700 Series	General Purpose	Dynasciences 6871
AN/UR12DA	Counter Electronic	6625-00-044-3228	F19196	B16	2,610.71	APA	A	(*)	TM 11-6625-700 Series	General Purpose	Emtech C1804
AN/USM-223	Multimeter	6625-00-999-7465	M80242	B16	116.00	PS	A	(*)	TM 11-6625-654 Series	General Purpose	
AN/USM-224	Voltmeter	6625-00-727-4706	Z96973	B16	879.00	PS	N	(*)	TM 11-6625-1541 Series	AN/SPS-59(v)1	HP 3400A
AN/USM-2G1A	Oscilloscope	6625-00-228-2201	N30572	B16	1,434.00	APR	A		TM 11-6625-1703 Series	General Purpose	HP 1551
AN/USM-281C	Oscilloscope	6625-00-106-9622	N30572	B16	2,283.00	APA	A	(*)	TM 11-6625-2658 Series	General Purpose	Tektronix 7603N-S
AN/USM-4S1	Multimeter	6625-01-060-6860	Z452586	B16	500.00	APA	R	(*)	TM 11-6625-2953 Series	AN/SPS-64(V)5	Balltine 9632M
AN/9RM-1	Test Set, Radio	6525-00-892-5542	V88027	B16	526.00	APA	A	(*)	TM 11-6625-496 Series	AN/VRC-46/47	AvCO 837149
CG-1471/U	Cable 13 ft)									AN/VIC-i	
CM-77A/USM	Comparator, Freq	6625-00-080-7204	E615894	B16	1,190.00	PS	A		TM 11-6625-493 Series	General Purpose	HP 5408
CN-16UU -	Transformer, Var,	5950-00-235-2086	X09635						TM 11-5950-205 Series	PP-2953/U	GR 200 CM
CN-713/U	Attenuator Variable	5985-00-889-0012	A99111	B16	89.15	SF	A			General Purpose	NDL-VAXO-738
CA-796/U	Attenuator, Fixed	5985-00-087-2547	A99659	G9E	138.06	SF	A		TM 11-5985-237 Series	General Purpose	KAY 30-0
CP-772A/U	Counter, Electronic	6625-00-922-3586	F18614	B16	2,750.00	APA	N	(*)	TM 11-6625-1548 Series		HP 5245L
CU-1515/U	Coupler, Directional	5985-01-041-1561		S9E	91.45	SF	R			AN/SPS-64(V)5	
CX-4720/VNC	Cable 10 fte)	5995-00-823-2726		S9G	21.86	Se	R			AN/VIC-1	
CX-4723/VRC	Cable ft	5995-00-823-2833		S9G	46.48	SF	R				AN/YIC-1
DA-IS/U	Dummy Load	6625-00-177-1639	N07126	B16	188.00	SF	A			General Purpose	Bird 82A
DA-14B/U	Dummy Load	5985-00-538-7329	G77674	S9E	227.78	SF	S			AN/SRC-38	BOG 6 4063
FR-40/GSM-1	Meter, Frequency	6625-00-669-0730	M37650	B16	200.00	APA	A		TM 11-6625-554 Series	PU-140	DOC P432-1
FR-126/U	Wavemeter	6625-00-787-0248	141409	B16	361.00	SF	A			AN/SPS-64(V)5	HP-X532A
H-M	Handset	5965-00-163-9947	K14403	S9E	28.07	SF	A		TM 11-5965-202 Series	General Purpose	
H-113/U	Headset	5965-00-504-6370		S9E	11.06	SF	N			R-390/URR	
ME-26B/U	Multimeter	6625-00-646-9409	180276	B16	152.00	SF	A	(*)	TM 11-6625-200 Series	General Purpose	HP-4106
ME-26D/U	Multimeter	6625-00-913-9781	980276	B16	167.00	SF	A		TM 11-6625-200 Series	General Purpose	HP-41AC
PE-30(J)/U	Voltmeter, Electronic	6625-00-643-1670	M80413	B16	258.00	PS	A		TM 11-6625-320 Series	General Purpose	HP-4000

TOOLS AND TEST EQUIPMENT MANAGEMENT DATA

TYPE NUMBER	NOMENCLATURE	NSN	LIN	SOS	PRICE	FUND	LCC	PIL	PUBLICATIONS	EQUIPMENT SUPPORTED	COMMERCIAL EQUIVALENT
ME-57/U	Meter. Modulation	6625-00-647-3737	M38609	B16	1,029.00	APA	A	(*)	TM 11-6625-400 Series	General Purpose	SCA 46539A
ME-65A/U	Ammeter	6625-00-985-5251	A38401	B16	578.00	SF	A		TM 11-6625-585 Series	General Purpose	Weston 196645
ME-147/U	Voltmeter	6625-00-557-5672	Y13190	B16	426.00	SF	A	(*)		AN/SPS-S9(V)I	
ME-202/U	Voltmeter, Electronic	6625-00-709-0288	Y14937	B16	1,070.00	PS	A		TM 11-6625-537 Series	General Purpose	Fluke 803
ME-202B/U	Voltmeter, Electronic	6625-00-972-4046	Y14937	B16	1,070.00	PS	A		TM 11-6625-537 & 2724 Series	General Purpose	Fluke 8038
ME-303A/U	Multimeter	6625-00-421-7382	80991	B16	798.00	APA	A	(*)	TM 11-6625-1614 Series	General Purpose	HP 410C
ME-498/U	Voltmeter, Digital	6625-00-538-9794	1160381	B16	600.00	SF	A			AN/SPS-Sg(V)I	HP 34702A
MK-288/UR	Maintenance Kit	6625-00-557-5716	L98359	B16	76.79	SF	A		TM 11-6625-478 Series	General Purpose	TRAD 157D-L
MK-772/11	Repair Kit Printed Ckt	5999-00-757-7042	R74787	B16	55.50	SF	A		TM 11-6625-478 Series	General Purpose	Frank & Warren 84583-5194
MX-1292/PAQ	Light Assembly	6695-00-3718-5449	L60295	B16	136.00	APA	A		TM 11-5540	General Purpose	
NX-1570/G	Thermometer									PU-140	
MX-7772/U	Mount, Thermister	6625-00-886-1955	B16		117.00	SF	R			AN/SPS-64(V)S	HP 487A
OS-8/U	Ocilloscope	6625-00-643-1740	131327	B16	252.00	SF	A		TM 11-6625-252 Series	General Purpose	Hickok CS-835
PP-1104C/G	Power Supply	6130-00-542-6385	P37218	B16	534.00	SF	A		TM 11-6130-218 & 246	General Purpose	PWR Supp Inc
PP-3940/G	Power Supply	6130-00-953-7500	P40374	B16	530.00	APA	A		TM 11-6130-247 Series	General Purpose	
PP-4838 U	Power Supply	6625-00-931-6793		B16	635.00	SF	R		TM 11-6130-268 Series	TSEC/KY-28 KIT-IA/TSEC	HR 40-7 SB
RF-210/U	Detector. Crystal	6625-00-783-5758		B16	198.00	SF	R		AN/SPS-64(V)5		
RG-58A/U	Cable, COAX	6145-00-542-6092		S91	.09	SF	R		AN/SQN-15(V)1		
TE-50B	Tool Kit	5180-00-356-4602	W29716	GO	1,187.00	SF	A		AN/FGC-25X(MOD)		
TE-111 Tool Kit		5180-00-408-1877	W27524	B16	1,329.00	SF	A		AN/FGC-25X(MOD)		
TF-171/U/SI	Transformer	6120-00-503-0632	X09703	B16	127.45	SF	A		TM 11-5950-203 Series	General Purpose	GR 201
TK-100/G	Tool Kit. Electronic	5180-00-605-0079	W37251	B16	391.00	SF	A		SC 5180-91-CL-521	General Purpose	
TK-101/G	Tool Kit, Electronic	5180-00-064-5178	W37483	B16	167.00	SF	A		SC 5180-91-CL-R13	General Purpose	
TK-105/G	Tool Kit, Electronic	5180-00-610-8177	W37388	B16	137.00	SF	A		SC 5180-91-CL-R07	General Purpose	
TS-268E/U	Test Set. Crystal Rectified	6625-00-669-1215	Y72751	B16	431.00	SF	A		TM 11-6625-305 Series	General Purpose	VORON TS-268
TS-58SC/U	Meter. Audio Output	6625-00-244-0501	M81783	B16	424.00	PS	A		TM 11-6625-291 Series	General Purpose	DOVEN 11000-2
TS-7230/U	Analyzer, Spectrum	6625-00-668-9418	A58033	B16	446.00	APA	A		TM 11-6625-255 Series	General Purpose	HP-736-A
TS-799A/UGM-1	Test Set, Distortion	6625-00-965-0196	V98887	B16	1,260.00	APA	A	(*)	TM 11-6625-433 Series	AN/FGC-25X(MOD)	HP-430C
TS-806/U	Tachometer	6680-00-551-0710						(*)		PU-140	Berkley 441
TS-914/U	Test Set, Power								TM 11-6625-303 Series	PU-140	Winslow 365
TS-18366/U	Test Set. Semi-Conductor	6625-00-168-0954	V91863	B16	\$408.00	APA	B		TM11-6625-539 Series	General Purpose	Elec Tech Corp 245F
TS-18360/U	Test Set. Semi-Conductor	6625-00-138-7320	V91863	B16	368.00	APR	A	(*)	TM 11-6625-539 Series	General Purpose	Hickok 902-501
TSEC/ST-21	Test Set. Bench	5810-00-127-2346	V62403	B56	892.00	APA	A			KJT-1A/TSEC	
TY-70DU	Test Set, Electron Tube	6625-00-820-0064	Y76108	B16	270.00	SF	A	(*)	TM 11-6625-274 Series	General Purpose	
UG-564/U	Adapter	5935-00-258-9891	Z00320	S9E	1.82	SF	A			General Purpose	
UG-88/U	Connector. COAX	5935-00-149-4066		S9E	.69	SF	R			AN/SQN-15(V)I	
ZM-21B/U	Ohmmeter	6625-00-172-6521	N17155	B816	404.00	APA	A	(I)	TM 11-6625-298 Series	General Purpose	Winslow 5GI000
DIP-CLIP 3916A	Clamp, Integrated Ckt	5999-00-286-4302		S9E	3.16	SF	R			AN/SQN-15(V)1	
HP-432A	Meter. Power Factor	6625-00-436-4883		B16	998.00	PS	A			AN/SPS-64(V)1	
HP-5267A	Plug-In, Electronic	6625-00-224-2422		B16	662.00	SF	R			AN/SPS-59(V)1	
TEK P601	Probe. H Voltage	6625-00-101-8759		S9E	503.47	SF	R			AN/SPS-64(V)5	
2591(DELTEC)	Load Bank									PP-7078/U	
2592(OELTEC)	Power Source									PP-7078/U	
7436-501561 (RAYTHEON)	Card Extender									AN/SQN-15(V)1	
Capacitor, 1500 PF										AN/SQN-15(V)1	
Grease Gun										PU-140	
Resistor (100 Ohms 2W)		5905-00-138-7140		S9E		22	SF	R			AN/SQN-15(V)1
Resistor (150 Ohms 2W)		5905-00-173-1119		S9E		20	SF	R			AN/SQN-15(V)1
Resistor (75 Ohms 1w)										AN/SON-15(V)1	
Resistor (100 ohms 1W)										AN/SQ-15(V)1	
Resistor (490 Ohms 1W)										AN/SQN-15(V)1	
Resistor (10 Ohms 1W)										AN/SQN-15(V)1	
Spring Scale										PU-140	
Stopwatch		6645-00-250-4680		GO	36.00	SF	R			General Purpose	

APPENDIX C
NSN TO TYPE NUMBER CROSS REFERENCE

This Appendix lists all items contained in Appendixes A and B in National Item Identification Number sequence cross referenced to the corresponding type number or nomenclature.

<u>NSN</u>	<u>TYPE NO. OR NOMENCLATURE</u>	<u>NSN</u>	<u>TYPE NO. OR NOMENCLATURE</u>
6625-00-022-7894	AN/GSM-64B	6625-00-164-6551	AN/APM-245A
6625-00-044-3228	AN/USM-207A	6625-00-165-5779	AN/GSM-64A
5810-00-061-3386	KIT-1A/TSEC	6625-00-168-0954	TS-1836B/U
5895-00-063-9498	MT-3809/APX-72	5985-00-172-5159	810-164-01(COMCO)
5180-00-064-5178	TK-1O1/G	6625-00-172-6521	ZM-21A/U
5965-00-069-8886	H-189/GR	5905-00-173-1119	Resistor
6625-00-080-7204	CM-77A/USM	6625-00-176-5708	AN/USM-44B
5965-00-082-4037	H-161A/U	6625-00-177-1639	DA-75/U
5985-00-087-2547	CN-796/U	5965-00-179-7762	M-80C/U
6625-00-087-4795	AN/URM-64A	6125-00-185-1086	PU-140
5895-00-089-4403	C-6280A(P)/APX	5820-00-199-8831	MS-116A
5895-00-089-7179	RT-859/APX-72	5820-00-223-7433	AN/VRC-46
5965-00-092-4364	LS-610/UR	5820-00-223-7434	AN/VRC-47
5820-00-097-0082	AN/URC-80(V)3	6625-00-224-2422	HP-5267(Hewlett Packard)
6625-00-101-8759	TEK P601	6625-00-228-2201	AN/USM-281A
5965-00-102-3803	M-143/GR	5950-00-235-2086	CN-16/U
6625-00-106-9622	AN/USM-281C	5985-00-238-7474	MS-118A
5820-00-110-5722	AN/PRC-94	6625-00-244-0501	TS-585C/U
6135-00-110-7463	810-156-01(COMCO)	6645-00-250-4680	Stopwatch
5820-00-110-8617	RT-1061/URC-80(V)	5935-00-258-9891	UG-564/U
5820-00-113-9768	PP-4763A/GRC	5999-00-286-4302	DIP-CLIP 3916A
5985-00-115-2071	AS-3095/URC	5826-00-306-7203	5024-0007
5985-00-115-7149	MS-117A	5820-00-320-9743	T-1283/SRT
5810-00-127-2346	TSEC/ST-21	5180-00-356-4602	TE-50B
5985-00-134-1526	CU-938A/URA-38	5805-00-357-4540	5024-0009
5905-00-138-7140	Resistor	5820-00-368-8408	PP-7072/SRT
6625-00-138-7320	TS-1836D/U	5820-00-370-3865	RF-110
6625-00-138-7773	AN/USM-44C	5965-00-378-3403	M-23
6130-00-148-5763	PP-7078/U	6695-00-378-5449	MX-1292/PAQ
5825-00-148-6194	AN/SRD-18	6625-00-403-7990	AN/UPM-98B
5895-00-149-1319	RT-859A/APX-72	5180-00-408-1877	TE-111
5935-00-149-4066	UG-88/U	6625-00-421-7382	ME-303A/U
5820-00-153-9416	AN/SRT-27	5915-00-431-6717	MX-7777B/GRC
5965-00-163-9947	H-33/PT	5915-00-431-6718	MX-7778A/GRC

NSN TO TYPE NUMBER CROSS REFERENCE (Cont'd)

<u>NSN</u>	<u>TYPE NO. OR NOMENCLATURE</u>	<u>NSN</u>	<u>TYPE NO. OR NOMENCLATURE</u>
6625-00-455-6894	AN/USM-203A	5995-00-823-2833	CX-4723/VRC
5985-00-470-5364	AS-177B/UPX	5965-00-825-4871	H-161/GR
5820-00-474-6163	AB-558/GR	6625-00-832-8551	AN/URM-172
5985-00-486-8589	AN/URA-38-A	5995-00-832-8945	CX-4721/VRC
6120-00-503-0632	TF-171/USM	5820-00-832-9158	AN/URC-10
5815-00-503-2624	FN-65/FG	6625-00-868-8352	AN/URM-103
5815-00-503-2764	TT-98()/FG	6625-00-868-8353	AN/GRM-50
5965-00-504-6370	H-113/U	6625-00-870-2264	AN/GSM-64
5820-00-532-3979	AN/SRC-6()	5895-00-879-0211	AN/APX-72
5985-00-538-7329	DA-148/U	6625-00-884-1758	AN/URM-105B
5820-00-538-7555	R-390A/URR	6625-00-886-1955	MX-7772/U
6625-00-538-9794	ME-498/U	5985-00-889-0012	CN-713/U
5815-00-539-7773	TT-119()/FG	5820-00-892-0622	RT-524/VRC
6625-00-539-9685	AN/USM-44A	5820-00-892-0624	R-442/VRC
6145-00-542-6092	RG-58A/U	5820-00-892-3339	C-2298/VRC
6130-00-542-6385	PP-1104C/G	5820-00-892-3342	AM-1780/VRC
5815-00-543-1327	TT-178()/FG	6625-00-892-5360	AN/USM-159
6625-00-553-0433	AN/URM-64	6625-00-892-5541	AN/USM-161
6625-00-557-5672	ME-147/U	6625-00-892-5542	AN/VRM-1
6625-00-557-5716	MK-288/URM	5820-00-893-1323	MT-1029/VRC
6625-00-581-2036	AN/URM-105	5820-00-893-1324	MT-1898/VRC
5180-00-605-0079	TK-100/G	5895-00-895-4446	TS-1843/APX
5180-00-610-8177	TK-105/G	6625-00-911-6368	AN/USM-207
5845-00-629-5276	DE-740	6625-00-912-0429	AN/UPM-98A
5845-00-629-5277	AN/SQN-15(V)I	5820-00-912-4480	ACR RT-100
6625-00-643-1548	AN/URM-25F	6625-00-913-9781	ME-26D/U
6625-00-643-1670	ME-30()/U	5810-00-919-4554	TSEC/KY-28
6625-00-643-1740	OS-8/U	5815-00-919-4800	MD-522A/GRC
6625-00-643-5969	AN/UPM-15	5895-00-919-9513	MT-3513/APX
6625-00-646-9409	ME-26B/U	6625-00-922-3586	CP-772A/U
6625-00-647-3737	ME-57/U	6625-00-931-6793	PP-4838/U
6625-00-649-5193	AN/URM-25D	6625-00-935-0145	AN/USM-203
6625-00-668-9418	TS-7230/U	5995-00-935-5249	CX-10613/G
6625-00-669-0730	FR-40/GSM-1	5975-00-935-9582	MT-3949A/U
6625-00-669-1215	TS-268E/U	5820-00-937-7690	PP-4763/GRC
6625-00-682-2581	AN/UPM-15A	5915-00-937-9577	MX-7777/GRC
6625-00-709-0288	ME-202/U	6625-00-948-0071	AN/APM-123(V)1
6625-00-727-4706	AN/USM-224	6130-00-953-7500	PP-3940A/G
6625-00-753-2115	AN/USM-98	6625-00-965-0195	AN/UGM-1
5999-00-757-7042	MK-772/U	6625-00-965-0196	TS-799A/UGM-1
6625-00-783-5758	RF-210/U	6625-00-972-4046	ME-202B/U
6625-00-783-5965	AN/URM-127	6625-00-973-3986	AN/URM-145
6625-00-787-0248	FR-126/U	6625-00-985-5251	ME-65A/U
4920-00-802-7425	AN/APM-239A	6130-00-985-7899	PP-2953/U
6625-00-813-8430	AN/URM-120	5995-00-985-7900	CX-4524/U
6625-00-820-0064	TV-7D/U	5820-00-985-9016	RT-278/URC-10
5995-00-823-2726	CX-4720/VRC	5985-00-985-9024	AS-1729/VRC

NSN TO TYPE NUMBER CROSS REFERENCE (Cont'd)

<u>NSN</u>	<u>TYPE NO. OR NOMENCLATURE</u>	<u>NSN</u>	<u>TYPE NO. OR NOMENCLATURE</u>
6625-00-990-7700	AN/URM-44A	5965-01-082-5861	M-80/GR
5815-00-999-5277	MD-522/GRC	5965-01-104-0947	H-161B/U
6625-00-999-6282	AN/URM-105C	5821-01-105-0439	AN/SRN-23
6625-00-999-7465	AN/USM-223	5820-01-306-7228	MT-4981/URC-92
6130-01-009-4863	MR-219-31A(MACKAY)		
5820-01-009-8424	R-1996/SRC-43		
5820-01-009-8425	R-1995/SRC-43		
5820-01-010-5019	MT-4789/SRC-43		
5820-01-010-5112	T-1318/SRC-43		
5820-01-012-4240	AN/SRC-43A		
5820-01-012-8791	MD-1001/SRC-43		
5820-01-013-7632	MR-599-5A(MACKAY)		
6140-01-013-7644	BB-703U/SRC-43		
6130-01-013-7652	PP-7251/SRC-43		
5985-01-014-8881	C-3698/URA-38		
5985-01-014-8882	C-3698A/URA-38		
5840-01-017-2684	IP-1258/SPS-59		
5840-01-017-2798	AN/SPS-59(V)I		
5840-01-017-3024	AS-3146/SPS-59(V)		
5840-01-017-3070	MX-9804/SPS-59(V)		
5821-01-017-4842	J-3361/SRC		
5820-01-017-9154	SA-2072/SRC-43		
6130-01-017-9155	PP-7334/U		
5830-01-018-1202	LS-518A/SIC		
5840-01-018-1674	RT-1211/SPS-59(V)		
6130-01-020-2828	C-9949/SRC-43		
5830-01-020-6280	LS-519A/SIC		
5845-01-023-9541	7426-1001P1		
5845-01-023-9549	DE-741		
5985-01-026-9676	AS-3194/SPS-64(V)		
5820-01-028-8258	810-154-02(COMCO)		
5820-01-028-8259	810-151-01(COMCO)		
5840-01-034-3932	IP-1302/SPS-64(V)		
5840-01-034-3945	RT-1246/SPS-64(V)		
5840-01-034-3946	AN/SPS-64(V)5		
5820-01-037-2277	810-168-01(COMCO)		
6625-01-039-1488	AN/URM-120A		
5985-01-041-1561	CU-1515/U		
5820-01-045-0498	AN/URC-80(V)I		
5840-01-049-1016	AB-1247/SPS-64(V)5		
5975-01-052-1264	MT-4982/URC-92		
5895-01-052-1272	AS-3286/URC-92		
5895-01-052-1273	AS-3287/URC-92		
5820-01-052-1307	RT-1277/URC-92		
5985-01-053-9466	CU-2229/URC-92		
5820-01-057-6447	AN/URC-92		
6625-01-060-6804	AN/USM-451		

C-3/(C-4 Blank)

APPENDIX D

WATERCRAFT ELECTRONICS INSTALLATION CROSS REFERENCE

This Appendix lists electronic equipment by type number and nomenclature cross referenced to the watercraft in which it is on or could be installed.

WATERCRAFT ELECTRONIC INSTALLATION CROSS REFERENCE (Cont'd)

TYPE/PART NUMBER	NOMENCLATURE	WATERCRAFT
AN/APX-72	Transponder Set	LCU-1466, LCU-1667, 381,3004, 3006, 5002, 7013
AN/APX-100	Transponder Set	CHI BOAT, LAMP-H, LARGE TUG,LCU, LSV, SMALL TUG
AN/FGC-25X (Modified)	Teletypewriter Set	381, 5002, 7013
AN/PRC-94	Radio Set	LACV-30, LAMP-H, LARGE TUG,LSV, SMALL TUG, 264, 381,2303, 413D, 3004, 3006, 5002,7013
AN/SPS-59(V)1	Radar Set	CHI BOAT, LCU-1466, LCU-1667,SMALL TUG, 381, 3004, 3006,4003, 7013
AN/SPS-64(V)5	Radar Set	LAMP-H, LARGE TUG, LSV, 381,5002, 7013, LCU
AN/SQN-15(V)1	Sonar Sounding Set	LARGE TUG, LSV, 381, 3006, 5002, 7013
AN/SRC-6()	Radio Set	LARGE TUG, LSV, 381, 3006, 5002, 7011, 7013
AN/SRC-38	Radio Telegraph Comm. Sys.	381, 5002, 7013
AN/SRC-43()	Radio Console	381, 5002, 7013
AN/SRD-18	Direction Finder Set	LSV, 381, 3006, 5002, 7013
AN/SRN-23	Omega Set	LARGE TUG, LSV, 381, 3006, 5002, 7013

WATERCRAFT ELECTRONIC INSTALLATION CROSS REFERENCE (Cont'd)

TYPE/PART NUMBER	NOMENCLATURE	WATERCRAFT
AN/SRT-27	Radio Transmitter	381, 5002, 7013
AN/URA-38	Antenna Coupler Group	381, 5002, 7013
AN/URC-80(V)I	Radio Set	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466,LCU-1667, LCV, SMALL TUG, 264,381, 413D, 3004, 3006, 4003,5002, 7011, 7013
AN/URC-92	Radio Set	CHI BOAT, LAMP-H, LARGE TUG,LCM-8, LCU, LCU-1466, LCU-1677,SMALL TUG, 3004, 3006, 4003
AN/VIC-1	Intercommunications Set	LACV-30, 2303, 8004
AN/VRC-46	Radio Set	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466,LCU-1667, LSV, SMALL TUG, 381,2303, 3004, 3006, 5002, 7011,7013, 8004, 8005
AN/VRC-47	Radio Set	LCM-8, LCU, LCU-1466, 4003
AB-558/GR	Base, Mount	LCM-8, LCU, LCU-1466, 4003
AB-1247/SPS-64(V)5	Antenna Pedestal Ass'y	LAMP-H, LARGE TUG, LSV, 381,5002, 7013, LCU
AM-1780/VRC	Audio Frequency Amplifier	LACV-30, 2303, 8004
AS-177()/A	Antenna	LCU-1466, LCU-1667, 381, 3004, 3006, 5002, 7013
AS-1729/VRC	Antenna	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, LSV, SMALL TUG, 381, 2303, 3004, 3006, 4003, 5002, 7011, 7013, 8004, 8005
	D-2	

WATERCRAFT ELECTRONIC INSTALLATION CROSS REFERENCE (Cont'd)

TYPE/PART NUMBER	NOMENCLATURE	WATERCRAFT
AS-3095/URC-80	Antenna	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, LSV, SMALL TUG, 264, 381, 413D, 3004, 3006, 4003, 5002, 7011, 7013
AS-3146/SPS-59	Antenna	CHI BOAT, LCU-1466, LCU-1667, SMALL TUG, 381, 3004, 006, 4003, 7013
AS-3194/SPS-64(V)	Antenna	LAMP-H, LARGE TUG, LSV, 381, 5002, 7013, LCU
AS-3286/URC	Antenna	LAMP-H, LCM-8, LCU, LCU-1466, LCU-1667, SMALL TUG, 4003
AS-3287/URC	Antenna	LARGE TUG, 3004, 3006
AS-3395/SRN-23	Antenna Coupler	LARGE TUG, LSV, 381, 3006, 5002, 7013
BB-703/U	Battery	LSV, 381, 5002, 7013
C-2298/VRC	Intercommunications Control	LACV-30, 2303, 8004
C-3698/URA-38A	Antenna Coupler Control	381, 5002, 7013
C-6280A(P)/APX	Transponder Control	LCU-1466, LCU-1667, 381, 3004, 3006, 5002, 7013
C-8981/URC-80(V)	Control	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, LSV, SMALL TUG, 264, 381, 413D, 3004, 3006, 4003, 5002, 7011
C-9949/SRC-43	Battery Charge Panel	381, 5002, 7013
CU-938A/URA-38	Antenna Coupler	381, 5002, 7013
CU-2229/URC-92	Antenna Coupler	CHI BOAT, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, SMALL TUG, 3004, 3006, 4003

WATERCRAFT ELECTRONIC INSTALLATION CROSS REFERENCE (Cont'd)

TYPE/PART NUMBER	NOMENCLATURE	WATERCRAFT
CX-4524/U	Cable Ass'y, Power	CHI BOAT, LAMP-H, LARGE TUG, LCU, LCU-1466, LSV, SMALL TUG, 381, 3004, 3006, 7013
CX-4720/VRC	Cable Ass'y, Power (10 ft)	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCU, LCU-1466, LSV, SMALL TUG, 381, 2303, 3004, 3006, 7013, 8004
CX-4721/VRC	Cable Ass'y, Power (5 ft)	CHI BOAT, LAMP-H, LARGE TUG, LCU, LCU-1466, LSV, SMALL TUG, 381, 3004, 3006, 7013
CX-4723/VRC	Cable Ass'y, Electrical	LACV-30, 2303, 8004
CX-10613/G	Cable Ass'y, Electrical (12 ft)	LCM-8, 2303, 4003, 8004, 8005
FN-65/FG	Teletypewriter Table	381, 5002
H-33F/PT	Headset-Microphone	CHI BOAT, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, SMALL TUG, 3004, 3006, 4003
H-161()/GR	Headset-Microphone	LACV-30, 2303, 8004
H-189/GR	Handset	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, LSV, SMALL TUG, 264, 381, 413D, 3004, 3006, 4003, 5002, 7011, 7013
IP-1258/SPS-59	Display Unit	CHI BOAT, LCU-1466, LCU-1667, SMALL TUG, 381, 3004, 3006, 4003, 7013
IP-1302/SPS-64(V)	Indicator, Azimuth Range	LAMP-H, LARGE TUG, LSV, 381, 5002, 7013, LCU
J-3361/SRC	Interconnecting Box	381, 5002, 7013
KIT-1A/TSEC	IFF Computer	LCU-1466, LCU-1667, 381, 3004, 3006, 5002, 7013
	D-4	

WATERCRAFT ELECTRONIC INSTALLATION CROSS REFERENCE (Cont'd)

TYPE/PART NUMBER	NOMENCLATURE	WATERCRAFT
KY-821/SRC-43	Auto Alarm Keyer	381, 5002, 7013
LS-518A/SIC	Intercommunications Set	CHI BOAT, LAMP-H, LARGE TUG,LCU, LCU-1466, LCU-1667, 381,SMALL TUG, 3004, 3006, 5002
LS-519A/SIC	Intercommunications Set	LSV, 381, 5002, 7011, 7013
LS-610/UR	Loudspeaker	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, LSV, SMALLTUG, 264, 381, 413D, 3004, 3006, 4003, 5002, 7011, 7013
M-23	Headset	CHI BOAT, LAMP-H, LARGE TUG,LCM-8, LCU, LCU-1466, LCU-1667, SMALL TUG, 3004, 3006,4003
M-80	Microphone	CHI BOAT, LAMP-H, LARGE TUG,LCU, LCU-1466, LCU-1667, LSV,SMALL TUG, 264, 381, 413D,3004, 3006, 5002, 7013
M-143()/GR	Microphone	381, 5002, 7013
MD-522()/GRC	Modem	381, 5002, 7013
MD-111/SRC	Modulator Assembly	381, 5002, 7013
MS-116A	Antenna Element	LCM-8, LCU, LCU-1466, LCU-1667,4003
MS-117A	Antenna Element	LCM-8, LCU, LCU-1466, LCU-1667,4003
MS-118A	Antenna Element	LCM-8, LCU, LCU-1466, LCU-1667,4003
MT-1029/VRC	Mount	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, LSV, SMALLTUG, 381, 2303, 3006, 4003,5002, 7011, 7013, 8004, 8005

WATERCRAFT ELECTRONIC INSTALLATION CROSS REFERENCE (Cont'd)

TYPE/PART NUMBER	NOMENCLATURE	WATERCRAFT
MT-1898/VRC	Mount	LCM-8, LCU, LCU-1466, LCU-1667,4003
MT-3513/APX	Mount	LCU-1466, LCU-1667, 381, 3004,3006, 5002, 7013
MT-3809/APX-72	Mount	LCU-1466, LCU-1667, 381, 3004,3006, 5002, 7013
MT-3949A/U	Mount	LCU-1466, LCU-1667, 381, 3004,3006, 5002, 7013
MT-4789/SRC.-43	Console Frame	381, 5002, 7013
MT-4790/SRT	Mount	381, 5002, 7013
MT-4981/URC-92	Mount	CHI BOAT, LAMP-H, LARGE TUG,LCM-8, LCU, LCU-1466, LCU-1667,SMALL TUG, 3004, 3006, 4003
MT-4982/URC-92	Mount	CHI BOAT, LAMP-H, LARGE TUG,LCM-8, LCU, LCU-1466, LCU-1667,SMALL TUG, 3004, 3006, 4003
MX-7777()/GRC	Electrical Transient Suppressor	LCM-8, 2203, 4003, 8004, 8005
MX-7778()/GRC	Suppressor Set	LCM-8, 2303, 4003, 8004, 8005
MX-9804/SPS-59(V')	Cable Ass'y, Electrical	CHI BOAT, LCU-1466, LCU-1667,SMALL TUG, 381, 3004, 3006,4003, 7013
OK-295/URC-80(V)	Control Group	CHI BOAT, LAMP-H, LARGE TUG,LCU, LCU-1466, LCU-1667, LSV,SMALL TUG, 264, 381, 413D,3004, 3006, 5002, 7013
PP-2953()/U	Power Supply	CHI BOAT, LAMP-H, LARGE TUG,LCU,LCU-1466, LSV, SMALL TUG, 381,3004, 3006
PP-4763()/GRC	Power Supply	5002, 7013
PP-7072/SRT	Power Supply	381, 5002, 7013

WATERCRAFT ELECTRONIC INSTALLATION CROSS REFERENCE (Cont'd)

TYPE/PART NUMBER	NOMENCLATURE	WATERCRAFT
PP-7078/U	Static Inverter	381, 3004, 3006
PP-7251/SRC-43	High Voltage Power Supply	381, 5002, 7013
PP-7334/U	Power Supply	CHI BOAT, LCU-1667, SMALL TUG, 381, 3004, 3006, 7013
PU-140()	Rotary Converter	413D
R-3900()/URR	Radio Receiver	LCU-1667
R-442()/VRC	Radio Receiver	LCM-8, LCU, LCU-1466, LCU-1667, 4003
R-1994/SRC-43	Auxiliary Receiver	381, 5002, 7013
R-1995/SRC-43	Auto Alarm Receiver	381, 5002, 7013
R-1996/SRC-43	Main Radio Receiver	381, 5002, 7013
R-2163/SRN-23	Radio Receiver	LARGE TUG, LSV, 381, 3006, 5002, 7013
RE-1110/SRC	Receiver Input Protection Relay	381, 5002, 7013
RT-524()/VRC	Receiver-Transmitter	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, LSV, SMALL TUG, 381, 2303, 3004, 3006, 4003, 5002, 7011, 7013, 8004, 8005
RT-859()/APX-72	Receiver-Transmitter	LCU-1466, LCU-1667, 381, 3004, 3006, 5002, 7013
RT-1060/URC-80(V)	Receiver-Transmitter	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, LSV, SMALL TUG, 381, 413D, 3004, 3006, 4003, 5002, 7011, 7013
RT-1211/SPS-59	Receiver-Transmitter	CHI BOAT, LCU-1466, LCU-1667, SMALL TUG, 381, 3004, 3006, 7013
	D-7	

WATERCRAFT ELECTRONIC INSTALLATION CROSS REFERENCE (Cont'd)

TYPE/PART NUMBER	NOMENCLATURE	WATERCRAFT
RT-1246/SPS-64 (V)5	Receiver-Transmitter	LAMP-H, LARGE TUG, LSV, 381, 5002, 7013, LCU
RT-1277/URC-92	Receiver-Transmitter	CHI BOAT, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, SMALL TUG, 3004, 3006, 4003
SA-2072/SRC-43	Aux Switch Panel Ass'y	381, 5002, 7013
SA-2073/SRC-43	Antenna Transfer Switch	381, 5002, 7013
T-1317/SRC-43	Main Transmitter	381, 5002, 7013
T-1318/SRC-43	Reserve Transmitter	381, 5002, 7013
TS-1843/APX	Transponder Test Set	LCU-1466, LCU-1667, 381, 3004, 3006, 5002, 7013
TSEC/KW-7	Communications Security Set	5002, 7013
TSEC/KY-57	Communications Security Set	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, LSV, SMALL TUG, 381, 2303, 3004, 3006, 4003, 5002, 7011, 7013, 8004, 8005
TSEC/KY-65	Communications Security Set	CHI BOAT, LACV-30, LAMP-H, LARGE TUG, LCM-8, LCU, LCU-1466, LCU-1667, LSV, SMALL TUG, 381, 3004, 3006, 4003, 5002, 7013
TS-1843()/APX	Transponder Test Set	LCU-1466, LCU-1667, 381, 3004, 3006, 5002, 7013
TT-98()/FG	Teletypewriter	381, 5002, 7013
TT-119()/FG	Page Printer	381, 5002, 7013
TT-178()/FG	Reperferator	381, 5002, 7013
DE-740	Digital Depth Sounder	LARGE TUG, LSV, 381, 3006, 5002, 7013
	D-8	

WATERCRAFT ELECTRONIC INSTALLATION CROSS REFERENCE (Cont'd)

TYPE/PART NUMBER	NOMENCLATURE	WATERCRAFT
DE-741	Depth Recorder	LARGE TUG, LSV, 381, 3006, 5002,7013
DIGICOURSE	Compass System	LACV-30-
EPIRB	Emergency Position Indicator Radio Beacon	CHI BOAT, LCU, LSV, SMALL TUG
MARK 1 MOD 6 (TYPE E)	Ships Course Indicator	LARGE TUG, LCU-1667, LSV, 381,5002, 7013
MARK 2 MOD 6 (TYPE B)	Ships Course Indicator	LARGE TUG, LCU, LCU-1466, LCU-1 LSV, 381, 3006, 5002, 7013
MARK 27 MOD 1	Gyro Compass Set	CHI BOAT, LAMP-H, LCU, LCU- 146E LCU-1667, SMALL TUG, 381, 3004,3006, 5002, 7013
MARK-227	Gyro Compass Set	LARGE TUG, LSV
MR-148-19	Auto Alarm Bell	381, 5002, 7013
MR-170-3B	Loudspeaker	381, 5002, 7013
MR-219-31A	Battery Charger	381, 5002, 7013
MR-411-3A	Jack Panel	381, 5002, 7013
MR-535-22A	Fuse Plate Ass'y	381, 5002, 7013
MR-599-5A	Keying Panel	381, 5002, 7013
RF-110	RF Amplifier	381, 5002, 7013
RM/AC-216	Radar Set	LACV-30
000-1030	Receiver-Indicator	LSV, 381, 3006, 5002, 7013
001-0634	Antenna Junction Box	LSV, 381, 3006, 5002, 7013
001-0692	Cable, Loop	LSV, 381, 3006, 5002, 7013
001-1209	Cable Ass'y, Power	LSV, 381, 3006, 5002, 7013
D-9		

WATERCRAFT ELECTRONIC INSTALLATION CROSS REFERENCE (Cont'd)

TYPE/PART NUMBER	NOMENCLATURE	WATERCRAFT
021-1677	Gasket	LSV, 381, 3006, 5002, 7013
114-320-001	CW Key	CHI BOAT, LAMP-H, LARGE TUG,LCM-8, LCU, LCU-1466, LCU-1667,SMALL TUG, 3004, 3006, 4003
4008338.901	Radio Magnetic Heading Sys	LCM-8, LCU-1667
5024-007	Handset Assembly	CHI BOAT, LAMP-H, LARGE TUG,LCM-8, LCU, LCU-1466, LCU-1667,SMALL TUG, 3004, 3006, 4003
5024-10009	CW Key	CHI BOAT, LAMP-H, LARGE TUG,LCM-8, LCU, LCU-1466, LCU-1667,SMALL TUG, 3004, 3006, 4003
7426-1001P1	Transducer	LARGE TUG, LSV, 381, 3006, 5002, 7013
7435-5001G1	Digital Display Unit	LARGE TUG, LSV, 381, 3006, 5002, 7013
7436-5001G1	Electrical Control Unit	LARGE TUG, LSV, 381, 3006, 5002, 7013
7437-5001G1	Depth Recorder	LARGE TUG, LSV, 381, 3006, 5002, 7013
7511-1002P1	Transducer	LARGE TUG, LSV, 381, 3006, 5002, 7013
802-M	Transceiver	LACV-30, LAMP-H, LARGE TUG,LCV, SMALL TUG, 264, 381,413D, 2303, 3004, 3006, 5002, 7013
810-151-01	Carrying Case	LACV-30, LAMP-H, LARGE TUG,LCV, SMALL TUG, 264, 381, 413D,2303, 3004, 3006, 5002, 7013
810-154-02	Battery Charger	LACV-30, LAMP-H, LARGE TUG,LCV, SMALL TUG, 264, 381, 413D0,2303, 3004, 3006, 5002, 7013
	D-10	

WATERCRAFT ELECTRONIC INSTALLATION CROSS REFERENCE (Cont'd)

TYPE/PART NUMBER	NOMENCLATURE	WATERCRAFT
810-156-01	Battery Pack	LACV-30, LAMP-H, LARGE TUG,LCV, SMALL TUG, 264, 381, 413D,2303, 3004, 3006, 5002, 7013
810-164-01	Whip Antenna	LACV-30, LAMP-H, LARGE TUG,LCV, SMALL TUG, 264, 381, 413D,2303, 3004, 3006, 5002, 7013
810-168-01	Microphone-Speaker	LACV-30, LAMP-H, LARGE TUG,LCV, SMALL TUG, 264, 381, 413D,2303, 3004, 3006, 5002, 7013
	D-11(D-12 Blank)	

APPENDIX E

EQUIPMENT INDICATOR LETTERS

This appendix contains tables of the indicators used when assigning nomenclature to electronics equipment under the Joint Electronics Type Designation System (JETDS). Examples of assignment under this system are listed below:

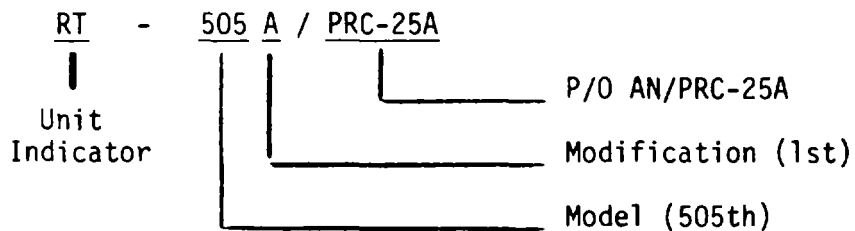
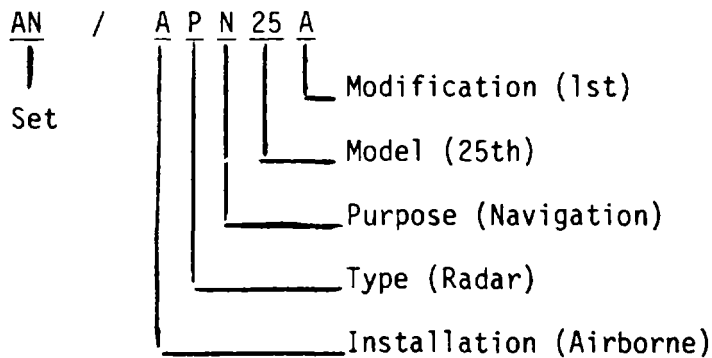


TABLE I
EQUIPMENT INDICATORS

INSTALLATION

A	Piloted aircraft	S	Water
B	Underwater mobile, submarine	T	Transportable (ground)
D	Pilotless carrier	U	General utility
F	Fixed ground	V	Vehicular (ground)
G	General ground use	W	Water surface aid under- water comb.
K	Amphibious	Z	Piloted-pilotless airborne vehicle combination
M	Mobile (ground)		
P	Portable		

TYPE

A	Invisible light, heat radiation	N	Sound in air
C	Carrier	P	Radar
D	Radiac	Q	Sonar and underwater sound
G	Telegraph or teletype	R	Radio
I	Interphone and public address	S	Special or combinations of types
J	Electromechanical or inertial wire covered	T	Telephone (wire)
K	Telemetry	V	Visual and visible light
L	Countermeasures	W	Armament
M	Meteorological	X	Facsimile or television
		Y	Data Processing

PURPOSE

A	Auxiliary Assembly	N	Navigational aids
B	Bombing	Q	Special or combination of purposes
C	Communications	R	Receiving, passive detecting
D	Direction finder, reconnais- sance and/or surveillance	S	Detecting and/or range and bearing, search
E	Ejection and/or release	T	Transmitting
G	Fire control or searchlight directing	W	Automatic flight or remote control
H	Recording and/or reproducing	X	Identification and recogni- tion
K	Computing		
M	Maintenance and/or test assemblies		

TABLE II
GROUP INDICATORS

<u>GROUP IND.</u>	<u>FAMILY NAME</u>	<u>EXAMPLE OF USE</u>
OA	Miscellaneous groups -----	Groups not otherwise classified
OB	Multiplexer and/or demultiplexer groups -----	Multiplexer groups, demultiplexer groups, composites thereof
OD	Indicator groups -----	All types
OE	Antenna groups -----	All types
OF	Adapter groups -----	All types
OG	Amplifier groups -----	All types
OH	Simulator groups -----	All types
OJ	Console and console groups -----	All types
OK	Control groups -----	All types
OL	Data analysis and data processing groups -----	All types
OM	Modulator and/or demodulator groups -----	Modulator groups, demodulator groups, composites thereof
ON	Interconnecting groups -----	All types
OP	Power supply groups -----	All types
OQ	Test set groups -----	All types
OR	Receiver groups -----	All types
OT	Transmitter groups -----	All types
OU	Converter groups -----	All types
OV	Generator groups -----	All types
OW	Terminal groups -----	All types
OX	Coder, decoder, interrogator, transponder groups -----	All types
OY	Radar set groups -----	Do not use if a more specific indicator, such as OE, OR, OT applies
OZ	Radio set groups -----	Do not use if a more specific indicator, such as OE, OP, OT applies

TABLE III
UNIT INDICATORS

<u>UNIT IND</u>	<u>FAMILY NAME</u>	<u>EXAMPLE OF USE</u>
AB	Supports, antenna -----	Antenna mounts, mast bases, mast sections, towers
AM	Amplifier -----	Power, audio, interphone, RF, video, electronic control
AS	Antennas, simple and complex-----	Arrays, parabolic, masthead, whip, dipole, reflector
BA	Battery, primary type-----	B batteries, battery packs
BB	Battery, secondary type-----	Storage batteries, battery packs
BZ	Alarm units-----	All types
C	Controls-----	Control box, remote tuning control
CG	Cable assemblies, RF-----	RF cables, waveguides, transmission lines, terminals
CM	Comparators -----	Compares two or more input signals
CN	Compensators -----	Electrical and/or mechanical compensating, regulating or attenuating apparatus
CP	Computers -----	Mechanical and/or electronic mathematical calculating devices
CU	Couplers-----	Impedance coupling devices, directional couplers
CV	Converters (electronic)-----	Electronic apparatus for changing the phase, freq, or from "one" medium to "another"
CW	Radomes -----	Radomes
CX	Cable assemblies,,non RF -----	Non RF cables w/terminals, test leads, also composite cables of RF and non RF cond.
CY	Cases and cabinets-----	Rigid and semirigid structures for enclosing or carrying equip
D	Dispensers-----	Chaff
DA	Load, dummy-----	RF and non RF test loads
DT	Detecting heads -----	Magnetic pickup device, search coil, hydrophone
F	Filter units -----	Electronic types; band-pass, low pass, band suppression, noise, telephone, filter networks; excludes non-reparable types

UNIT INDICATORS (Cont'd)

<u>UNIT IND.</u>	<u>FAMILY NAME</u>	<u>EXAMPLE OF USE</u>
FR	Freq measuring devices -----	Freq meters, tuned cavity
G	Generators, power -----	Electrical power w/o prime movers
H	Head, hand, chest sets -----	Includes earphone
HD	Environmental apparatus-----	Heating, cooling, dehumidifying, pressure, vacuum devices
ID	Indicator units, non- cathode-ray tube-----	Calibrated dials and meters, indi- cating lights
IM	Intensity measuring devices-----	Includes SWR gear, field intensity and noise meters, slotted lines
IP	Indicator units, cathode- ray tube -----	Azimuth, elevation, panoramic
J	Interface units -----	Interconnecting and junction units
KY	Keying devices-----	Mechanical, electrical and electronic keyer, coder, interrupters
LS	Loudspeakers -----	Separately housed loudspeakers, intercommunication stations
M	Microphones-----	Radio, telephone, throat, hand
MD	Modulators, demodulators, discriminators -----	Device for varying amplitude, freq or phase
ME	Meters-----	Multimeters, volt-ohm-milliammeters, vacuum tube voltmeters, power meters
MK	Miscellaneous kits-----	Maintenance, modification
ML	Meteorological devices-----	Miscellaneous meteorological equip
MT	Mountings -----	Mountings, racks, frames, stands
MX	Miscellaneous -----	Equip not otherwise classified
MU	Memory units-----	Memory units
O	Oscillators-----	Master freq, blocking, multivibra- tors (for test oscillators, see SG)
OS	Oscilloscope, test -----	Test oscilloscope for general test purposes
PL	Plug-in units -----	Plug-in unit not otherwise classified
PP	Power supplies-----	Non rotating machine type such as vibrator pack, rectifier, thermo- electric
PT	Mapping and plotting units -----	Electronic types only
PU	Power equipments -----	Rotating power equip, motor generator, dynamotors
R	Receivers -----	Receivers, all types except telephone
RD	Recorder-reproducer -----	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical

UNIT INDICATORS (Cont'd)

<u>UNIT IND.</u>	<u>FAMILY NAME</u>	<u>EXAMPLE OF USE</u>
RE	Relay assembly units -----	Electrical, electronic
RL	Reeling machine -----	Mechanism for dispensing and rewinding antenna or field wire, cable
RO	Recorders -----	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical and card punch
RP	Reproducers -----	Sound, graphic, tape, wire film, disc, facsimile, magnetic, mechanical, punched tape and card readers
RR	Reflectors-----	Target, confusion. Except antenna reflectors
RT	Receiver-Transmitter -----	Radio and radar transceiver, composite transmitter and receiver
S	Shelters -----	Protective shelters
SA	Switching units -----	Manual, impact, motor driven, pressure operated, electronic
SB	Switchboards -----	Telephone, fire control, power, power distribution
SG	Generator, signal -----	Test oscillators, noise generators
SM	Simulators -----	Flight, aircraft, target, signal
SN	Synchronizers -----	Equip to coordinate two or more functions
SU	Optical units-----	Electro-optical units, such as night vision, auto-collimator, scope, sight viewer, tracker, alignment equip
T	Transmitters -----	Transmitters, all types, except telephone
TA	Telephone apparatus -----	Misc telephone equipment
TB	Towed body -----	Hydrodynamic enclosures used to house transducers, hydrophones, and other electronic equipment
TD	Timing devices -----	Mechanical and elec timing devices, range devices, multiplexers, electronic gates
TF	Transformers -----	When used as separate units
TG	Positioning devices-----	Tilt and/or train assys
TH	Telegraph apparatus-----	Misc telegraph apparatus
TN	Tuning units-----	Receiver, transmitter, antenna, tuning units
TR	Transducers -----	Sonar transducers, vibration pickups
TS	Test units -----	Test and measuring equip not otherwise classified

UNIT INDICATORS (Cont'd)

<u>UNIT IND.</u>	<u>FAMILY NAME</u>	<u>EXAMPLE OF USE</u>
TT	Teletypewriter and facsimile apparatus -----	Miscellaneous tape, teletype, facsimile equipment
TW	Tape units-----	Preprogrammed with operational test and checkout data
V	Vehicles -----	Carts, dollies, vans, peculiar to electronic equipment
ZM	Impedance measuring devices-----	Used for measuring Q, C, L, R or PF

TABLE IV

MISCELLANEOUS IDENTIFICATIONS

X,Y,Z-----	Changes in voltage, phase or frequency, e.g., AN/VRC-51X
T -----	Training, e.g., AN/APQ-13-T1, AN/APQ-T1
(V) -----	Equipments having a variable complement, e.g., AN/FRC-39(V), OA-7667(V)/FYQ-41(V)
(P) -----	Unit accepting plug-ins, e.g., R-1329(P)/GRC-103(V)
(X) -----	Developmental indicators, e.g., AN/PRC-IO(X--), RT-505(X--)/PRC-10
() -----	Developmental or series "generic" assignment, e.g., AN/PRC-10(), RT-505()/PRC-10
(-ft-in) -----	Identical items w/varying lengths, e.g., CX-1076/U(-ft-in)

E-7/(E-8 Blank)

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