

MIL-HDBK-161A

DEPARTMENT OF THE ARMY TECHNICAL MANUAL
DEPARTMENT OF THE NAVY PUBLICATION
DEPARTMENT OF THE AIR FORCE TECHNICAL ORDER

TM 11-487A-3
NAVEXOS P-2058
TO 31-31-3-73

MILITARY STANDARDIZATION HANDBOOK

ELECTRONIC COMMUNICATION EQUIPMENT



Third and Final Increment to MIL-HDBK-161A, 12 March 1964

FSC MISC

DEPARTMENTS OF THE ARMY AND NAVY
WASHINGTON, D.C, 12 March 1964

This Military Handbook is issued for the use of all concerned

By Order of the Secretaries of the Army and the Navy:

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11-5
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NG: State AG (3).

USAR: None.

For explanation of abbreviations used, see AR 320-50.

MILITARY STANDARDIZATION HANDBOOK

ELECTRONICS COMMUNICATION EQUIPMENT

TO ALL ACTIVITIES:

1. The following pages of MIL-HDBK-161A are to be added:

<i>Categories</i>	<i>Pages</i>	<i>Date</i>
List of Type Indicators.....	i	12 March 1964
Item Descriptions.....	595	12 March 1964
Appendix B.....	971	12 March 1964

2. Retain this notice and insert before the Table of Contents.

AN/VRC-type
RADIO SET

SCR-506-()

15 March 1962

Cog. Serv: USN FSN: 5820-196-1743

USA Line Item No.: 653000

USA

USN

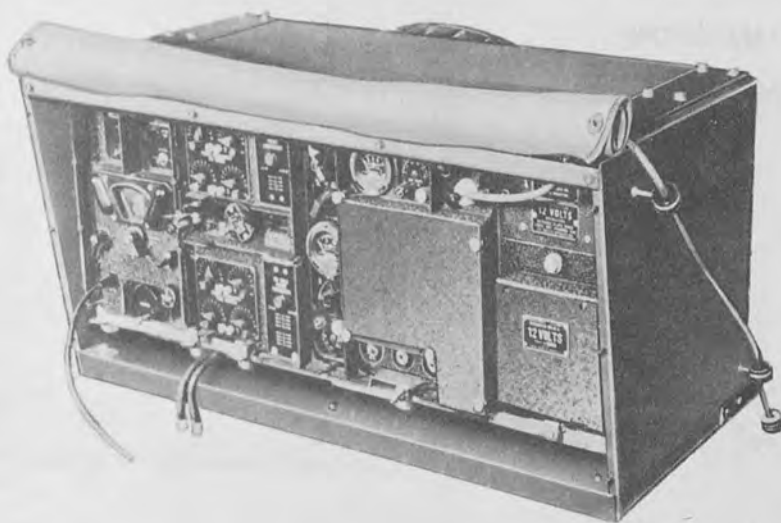
USAF

USMC

STATUS OR TYPE CLASS.:

L/Std

Manufacturer:



SCR-506

FUNCTIONAL DESCRIPTION:

Radio Set SCR-506-() is a medium power, am (voice) and cw, vehicular radio transmitting and receiving equipment used by motorized tactical units for ground-to-ground and ground-to-air communication in the medium-frequency range.

This equipment consists of a radio transmitter and a radio receiver mounted on a vehicular shock mounting common to both, and includes antenna, cording, and accessory items. It is usually installed in tanks, armored and amphibious vehicles, personnel carriers and similar vehicles. The set has provision for rapidly adjusting, and operating over any of five preselected channels.

It operates from the storage battery of the vehicle in which it is installed.

This equipment has been replaced by Radio Set AN/GRC-19

RELATIONSHIP TO SIMILAR EQUIPMENT:**TECHNICAL DESCRIPTION:**

Frequency Range in Mc:

Transmitter: 2.0 to 4.5 (126 channels)

Receiver: 2.0 to 6.0 (210 channels, 2 bands)

**AN/VRC-type
RADIO SET**

SCR-506-()

Type Modulation: am

Type of Signal: voice and cw

Power Output:

Voice: 10 to 25 w

Cw: 50 to 90 w

Power Requirements: 12/24-v dc from vehicular storage battery

Major Units:

1 DM-42

7" x 4" (dia)

1 BC-652

12 $\frac{1}{2}$ " x 14 $\frac{5}{8}$ " x 7 $\frac{5}{8}$ "

46.5 lbs

1 BC-653

12 $\frac{1}{2}$ " x 14 $\frac{5}{8}$ " x 25 $\frac{3}{32}$ "

143.0 lbs

TUBES, CRYSTALS, TRANSISTORS:

REFERENCE DATA AND LITERATURE:

TM 11-630