

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

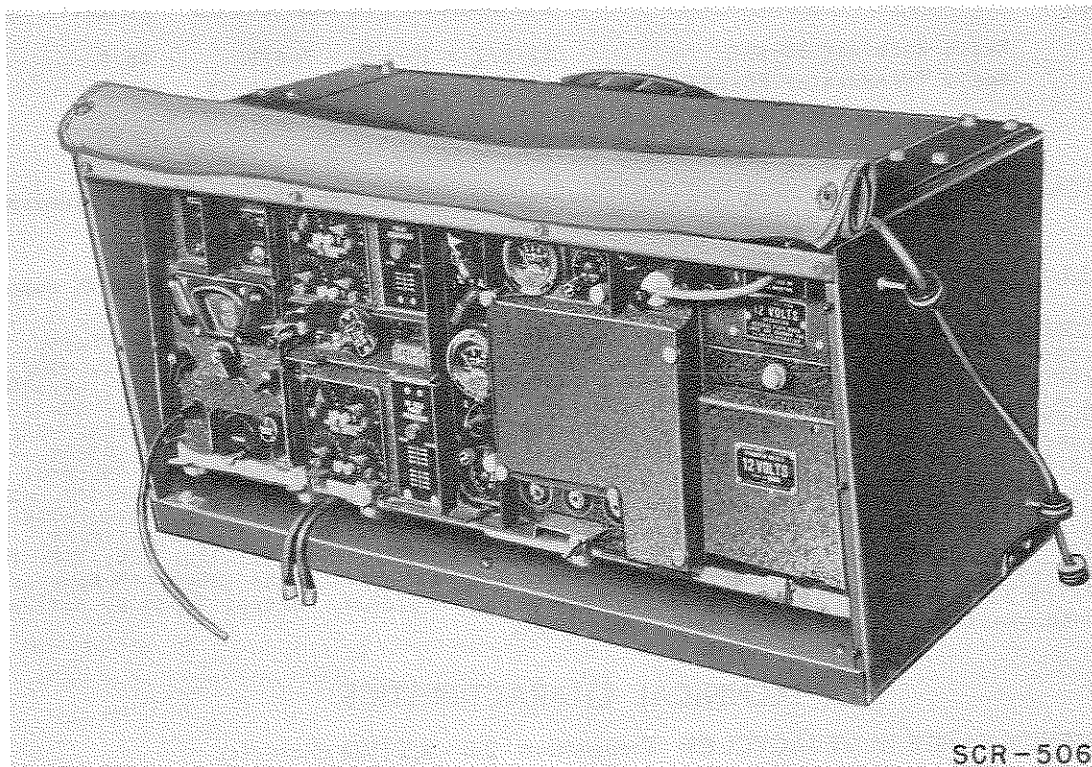
DATE OF THIS SHEET: 9 Jan 52

**AN/VRC-TYPE**

SERVICE TYPE NUMBER:

SCR-506

RADIO SET



Radio Set SCR-506 is a medium power, a-m (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, and has provision for rapidly adjusting, and operating over, any of five preselected channels.

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

<b>AN/VRC-TYPE</b>		INSTRUCTION LITERATURE: TM 11-630
SCR-506	: SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
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**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver BC-652	12-1/2 x 14-5/8 x 7-5/8	46.5
1	Radio Transmitter BC-653	12-1/2 x 14-5/8 x 25-19/32	143.0

**OPERATIONAL CHARACTERISTICS**

**TACTICAL USE:** Infantry, armored, and armored-cavalry motorized elements. Air Force, Chemical Corps, artillery, infantry, Signal Corps, Army Security Agency.

**INSTALLATION:** Ground, vehicular. **APPROXIMATE RANGE (IN MILES):** cw - 50, voice - 20.

**CAN COMMUNICATE WITH:** AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/ART-13; AN/CRT-3; AN/FRC-10; AN/FRR-3, -4, -7, -12, -28, -32; AN/FRT-5, -6, -15, -17, -18; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7; AN/SRR-3, -8, -12, -13; AN/SRT-4; AN/TRQ-1; AN/URR-10, -22, -23; AN/URT-2, -3, -4; AN/VRC-1, -4; AN/VRR-2; BC-191, -312, -339, -342, -348, -401, -447, -610, -779, -794, -1004; MBS; MQ; OA-58/FRC, -59/FRC, -60A/FRT, -60B/FRT; R-62/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -209/FR, -209/FR, -210/U, -213/SR, -274/FRR, -320/FRC, -388/URR; RAL; RAO; RAS; RBB; RBG; RBH; RBM; RBO; RBP; RBS; RC-52; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -188, -193, -244, -274, -281, -399, -499, -506, -536, -543, -585, -593, -607, -694, -704; T-4/FRC, -83/SR, -159/FRT, -159/FRT, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBX; TCB; TCC; TCE; TCH; TCK; TCP; TCS; TCZ; TDE; TDF; TDH; TDN; TDO; TEB; TEC; TEF; AR-88 (RCA); Collins 18S-4 (AF Model); Collins 32V-2, 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; Marconi TH-41-B; National HRO-50; Westinghouse Type MW; Wilcox 96D, 99A.

**TECHNICAL CHARACTERISTICS**

**FREQUENCY RANGE IN MEGACYCLES:** Transmitter: 2.0 - 4.5 (126 channels)  
 Receiver : 2.0 - 6.0 (201 channels, 2 bands)  
 Band 1: 2.0 - 3.5 (75 channels) Band 2: 3.5 - 6.0 (126 channels).

**TYPE MODULATION:** Am.

**TYPE OF SIGNAL:** Voice and cw.

**POWER OUTPUT:** Transmitter: Cw 50 - 90 w  
 Voice 10 - 25 w.

**POWER REQUIREMENTS:** 12- or 24- v vehicular storage battery.

**PHYSICAL CHARACTERISTICS**

Radio Set SCR-506 measures 14-1/2 x 14-5/8 x 33 inches, net weight 357 pounds, volume 4.05 cu ft. Packed for domestic shipment: total volume 25 cu ft, 0.6 ship ton. Packed for export shipment: total weight 535 pounds, total volume 25 cu ft, 0.6 ship ton. Shipped in 4 packages both domestic and export.