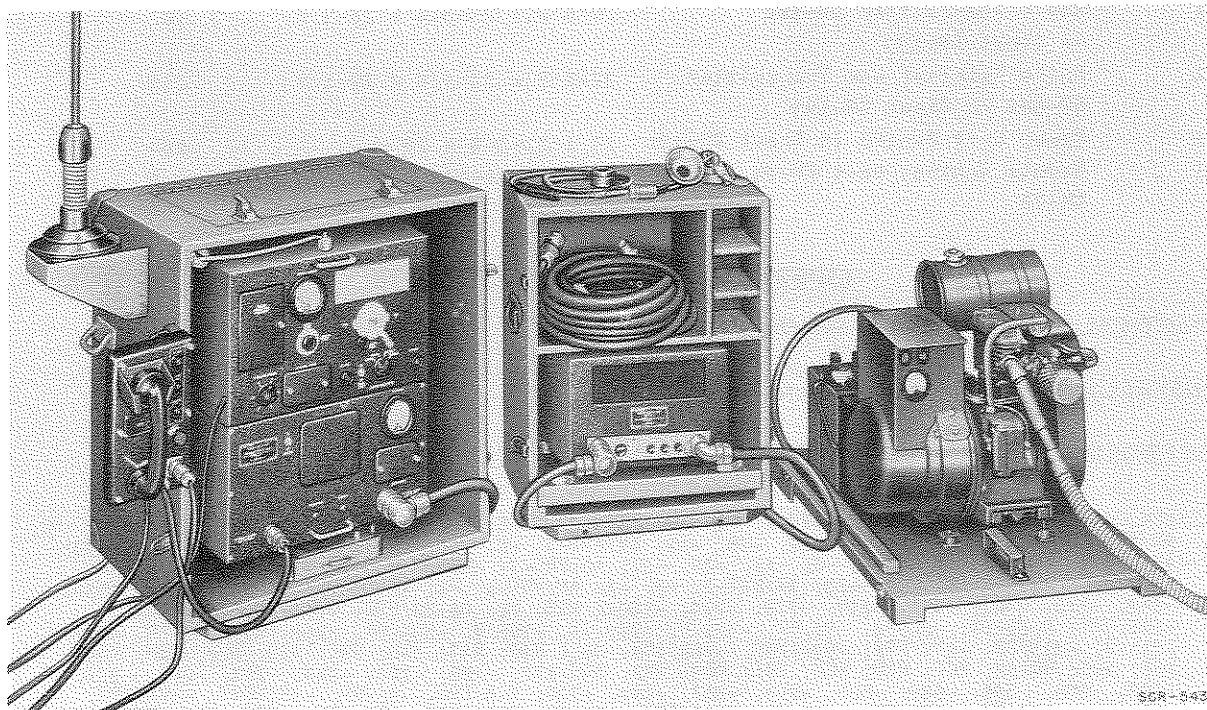


STATUS: Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army, Navy
DATE OF THIS SHEET: 31 Jan 52

AN/GRC-TYPE

SERVICE TYPE NUMBER: SCR-543
RADIO SET



Radio Set SCR-543 is a medium range, medium- and high-frequency, a-m (voice), radiotelephone equipment for mobile or fixed station use by antiaircraft artillery units.

This equipment consists of a radio receiver and transmitter component, power supply, and associated accessories, and may be installed and operated in a light truck or from a permanent location as a field radiotelephone station. Can be operated with a whip-type, or straight-wire antenna.

This equipment may be operated from a remote point by use of Remote Control Unit RM-21.

AN/GRC-TYPE		INSTRUCTION LITERATURE: TM 11-625
SCR-543	SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO SET		USING SERVICE : Army, Navy
		DATE OF THIS SHEET : 31 Jan 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter BC-699 in Chest CH-133	20-3/8 x 29-3/4 x 28-1/2	182
1	Radio Receiver and Transmitter BC-669 in Chest CH-133	22-1/2 x 28-3/4 x 27-1/2	216
1	Power Unit PE-108 in Chest CH-131	24 x 23-3/4 x 28	265
1	Remote Control Unit RM-21 in Chest CH-73	4-1/2 x 10-1/2 x 16-1/2	5

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Antiaircraft detachment, special teams.

INSTALLATION: Mobile or fixed station.

APPROXIMATE RANGE (IN MILES): 15 to 30.

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, -208/FR, -209/FR, -210/U, -211/U, -213/SR, -274/FRR, -320/FRC, -388/URR; RAL; RAO; RAS; RBB; RBC; 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, -158/FRT, -159/FRT, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TCB; TCC; TCE; TCH; TCK; TCO; TCP; TCS; TCZ; TDE; TDF; TDH; TDN; TDO; TEB; TEC; 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: 1.68 - 4.45.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice and cw.

POWER OUTPUT: 45 w.

POWER REQUIREMENTS: Power Unit PE-108, or storage battery.

PHYSICAL CHARACTERISTICS

Radio Set SCR-543 packed for domestic or export shipment: total weight 1,253 pounds, total volume 54 cu ft, 1.4 ship tons.