

STATUS: Limited Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Army
 DATE OF THIS SHEET: 22 Jan 52

AN/VRC-TYPE

SERVICE TYPE NUMBER: SCR-193
 RADIO SET



Radio Set SCR-193 is a medium-frequency a-m (voice and cw) field radio station used in command vehicles, by units at company, battalion, and division level.

This equipment consists essentially of general purpose Radio Transmitter BC-191 (with appropriate tuning units for frequency channels in which the set is operated), general purpose Radio Receiver BC-312, accessory items, and antenna components. The set is available in several models, each identified by model-letters indicating special application or design for the vehicle in which it is installed.

Radio Set SCR-193 is a vehicular application of primary operating components of Radio Sets SCR-177 and SCR-188.

Operates from vehicular storage battery and uses a whip-type antenna.

AN/VRC-TYPE		INSTRUCTION LITERATURE: TM 11-273
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter BC-191	21 x 23-1/8 x 9-1/2	55.75
3	Tuning Units (each)	7-3/4 x 16-3/4 x 8-3/4	46.5
1	Radio Receiver BC-312	18-3/4 x 18 x 9	58.0
1	Dynamotor Unit BD-77	11 x 11 x 7-1/2	37.3

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Engineer company, field artillery battalion, infantry division.

INSTALLATION: Ground, vehicular.

APPROXIMATE RANGE (IN MILES): 100.

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, -29, -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, -19, -20; 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, -314, -339, -342, -344, -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, -389/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBM; RBO; RBP; RBS; RC-52; RCF; RCG; RCH; RDE; RDM REA; SCR-177, -199, -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; 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 KW; Wilcox 96D, 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: Transmitting: 1.5 - 6.2.
Receiving : 1.5 - 18.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice and cw.

POWER OUTPUT: 75 w.

POWER REQUIREMENTS: Vehicular storage battery through BD-77.

PHYSICAL CHARACTERISTICS

Radio Set SCR-193 weighs 648 pounds net, volume 20 cu ft, 0.5 ship ton.