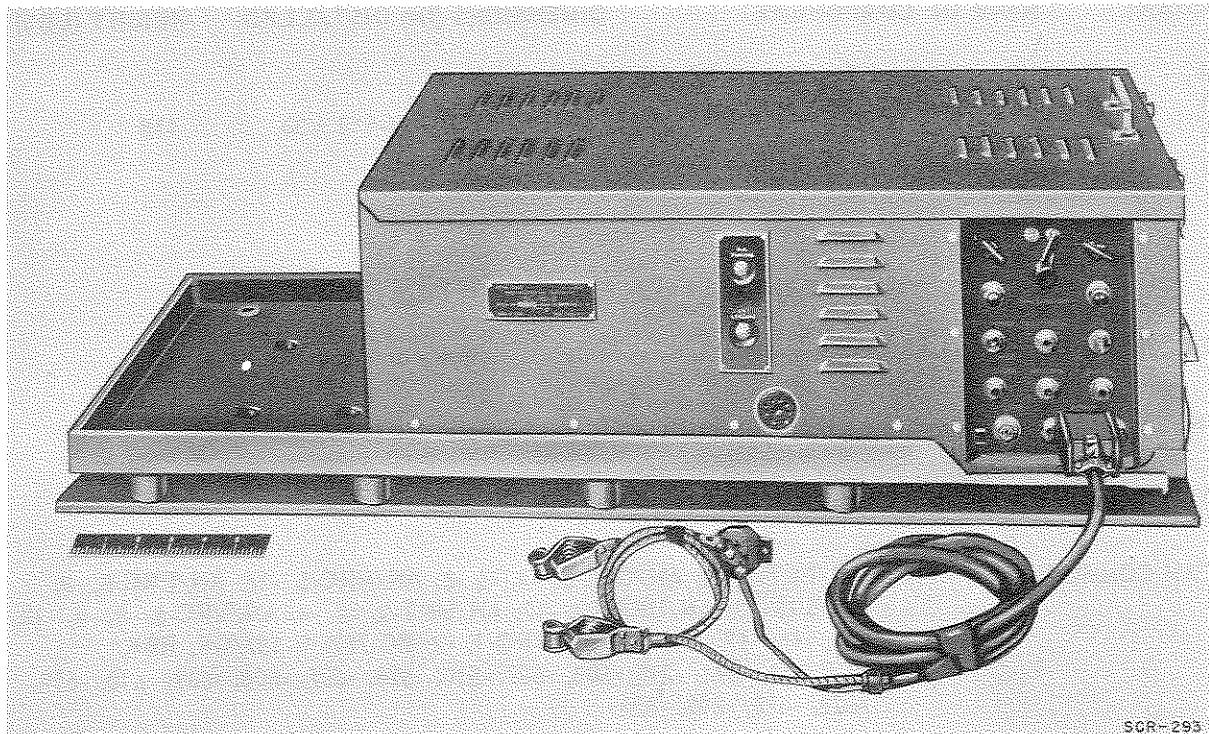


STATUS: Limited Standard
CLASSIFICATION OF EQUIPMENT:Unclassified
USING SERVICE: Army
DATE OF THIS SHEET: 30 Jan 52

AN/VRC-TYPE

SERVICE TYPE NUMBER: SCR-293
RADIO SET



Radio Set SCR-293 is a vehicular short-range, medium-power, f-m (voice) equipment used in inclosed vehicles for two-way voice communication within and between armored units or between armored and infantry units.

This set consists of a receiver-transmitter plus an additional receiver (not shown in the illustration) mounted on a common shock mount and is powered by the storage battery of the vehicle in which it is installed. Radio Set SCR-293 is the 12-volt version, while the SCR-293-B is the 24- to 28-volt model of this equipment.

The additional receiver component Radio Receiver BC-499 mounted alone on the shock mount constitutes Radio Set SCR-294 (12 v) or SCR-294-B (24 v).

AN/VRC-TYPE		INSTRUCTION LITERATURE: None
SCR-293	:SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO SET		USING SERVICE : Army
		DATE OF THIS SHEET : 30 Jan 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver and Transmitter BC-500)		
1	Radio Receiver BC-499)		
1	Mounting FT-239)	Mounted: 12 x 14-1/2 x 34	115
1	Antenna AN-42-A)		

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Armored vehicles and command vehicles, infantry and armored divisions.

INSTALLATION: Ground, vehicular. Operates while moving or at the halt.

APPROXIMATE RANGE (IN MILES) : 7 mi stationary, 15 mi maximum.

CAN COMMUNICATE WITH: AN/FRT-5, -6; AN/GRC-3, -4, -5 -6; AN/MRC-5, -16; AN/PRC-8, -9; AN/SRR-13; AN/URR-10, -12; AN/URT-2, -3, -4; AN/VRC-5, -8, -9, -13, -14, -16, -17, -20, -21; AN/VRQ-1, -2; BC-787; R-137/GR; RBK; SCR-293, -294, -298, -508, -509, -510, -528, -607, -608, -609, -610, -619, -628, -678, -808, -828.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 20 - 28; channels spaced 0.1mc apart; five preset channels.

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice only.

POWER OUTPUT: High: 25 w.
Low: 0.5 w.

POWER REQUIREMENTS: 12- or 24-v vehicular storage battery (depending upon model).

PHYSICAL CHARACTERISTICS

Information on Radio Set SCR-293 not available.