

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army, Navy

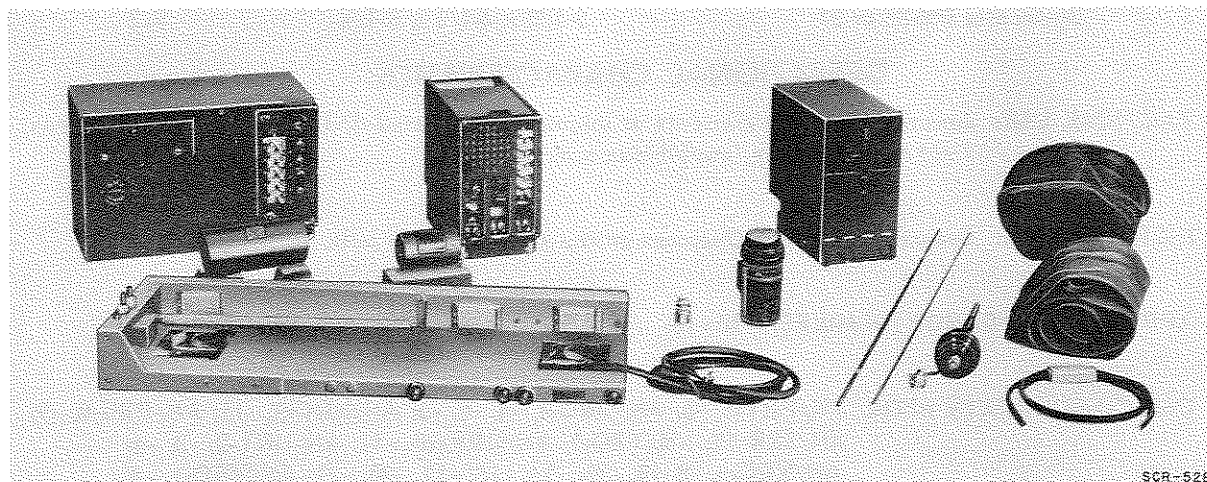
DATE OF THIS SHEET: 22 Jan 52

AN/VRC-TYPE

SERVICE TYPE NUMBER:

SCR-528

RADIO SET



Radio Set SCR-528 is a vehicular, short-range, crystal-controlled, f-m (voice), transmitting and receiving equipment used for radio communication by vehicles of armored units.

This equipment consists of a radio transmitter and radio receiver mounted on a shock mount common to both, dynamotors, antenna, and accessories. The transmitter and receiver operate on 10 preset channel frequencies which are selected by means of 10 push buttons on the front panels of these components. Set also provides for operation of the interphone system of inclosed armored vehicles.

The set operates from the storage battery of the vehicle in which the equipment is installed and can be provided with dynamotors for the voltage of the vehicular battery. Dynamotors are installed within the transmitter and the receiver components.

AN/VRC-TYPE		INSTRUCTION LITERATURE: TM 11-600
SCR-528	: SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO SET		USING SERVICE : Army, Navy
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter BC-604	11-1/2 x 10-1/4 x 18	67
1	Radio Receiver BC-603	11-1/2 x 6-3/4 x 12-1/2	35
1	Mounting FT-237	5 x 12 x 33	26
1	Interphone Control Box BC-606	4-1/2 x 2-1/4 x 4-1/4	1.8
1	Dynamotor DM-34 or 36	4-1/2 x 3 x 6-1/2	4.7
1	Dynamotor DM-35 or 37	5-1/2 x 4-1/2 x 8-1/4	9.2

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Armored vehicular elements of infantry and armored divisions. Cavalry squadron, light tank company, amphibious tank company.

INSTALLATION: Ground, vehicular. Operates on the move or at the halt.

APPROXIMATE RANGE (IN MILES): 10 -15.

CAN COMMUNICATE WITH: AN/FRT-5, -6; AN/GRC-3, -4, -5, -6; AN/MRC-3, -16; AN/PRC-8, -9; AN/SRR-13; AN/TRQ-1, 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.

FREQUENCY RANGE IN MEGACYCLES: 20.0 - 27.9 at 0.1mc intervals (transmitter, 80 channels).

TECHNICAL CHARACTERISTICS

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: 30 w.

POWER REQUIREMENTS: Transmitter: 12-v vehicular battery through Dynamotor DM-35, 24-v vehicular battery through Dynamotor DM-37.

Receiver: 12-v vehicular battery through Dynamotor DM-34, 24-v vehicular battery through Dynamotor DM-36.

PHYSICAL CHARACTERISTICS

Radio Set SCR-528 packed for domestic or export shipment: total weight 645 pounds, total volume 29.6 cu ft, 0.75 ship ton. Shipped in 6 packages both domestic and export.