

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

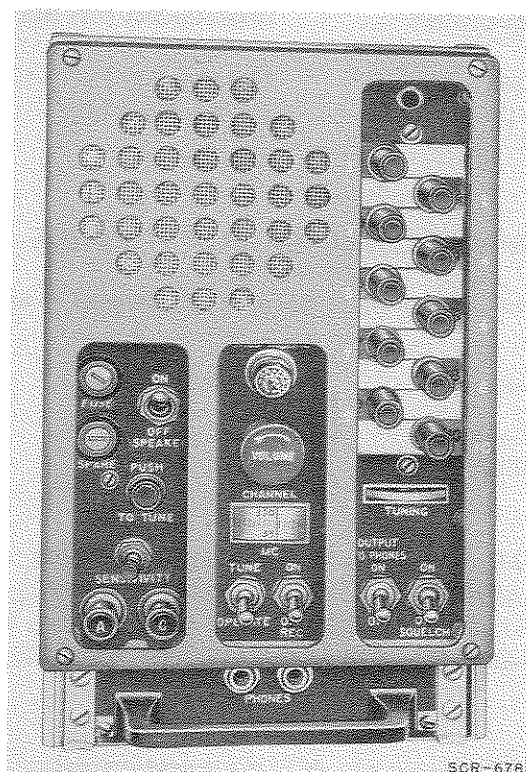
DATE OF THIS SHEET: 31 Jan 52

**AN/VRR-TYPE**

SERVICE TYPE NUMBER:

SCR-678

RADIO SET



Radio Set SCR-678 is a short-range, low-power, vehicular, f-m (voice) receiving equipment used for monitoring, intercept, and communication in the h-f band.

This equipment consists essentially of the radio receiver component of Radio Set SCR-608, plus a vehicular-type shock mount and related accessories. It operates on 10 crystal-controlled preset frequencies selected by means of push buttons arranged on the front panel. Uses a whip-type vehicular antenna.

Set is powered through an appropriate dynamotor mounted within the receiver and uses the storage battery (12 or 24 v) of the vehicle in which it is installed.

**AN/VRR-TYPE**

SCR-678

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RADIO SET

INSTRUCTION LITERATURE: TM 11-4036  
(Receiver BC-683 Repair Instructions)  
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**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver BC-683	11-1/2 x 6-3/4 x 12-1/2	35
1	Dynamotor DM-34 or DM-36	4-1/2 x 3 x 6-1/2	4.7

**OPERATIONAL CHARACTERISTICS**

TACTICAL USE: Reception and monitoring of frequencies assigned to artillery units.

INSTALLATION: Ground, vehicular.

APPROXIMATE RANGE (IN MILES): 15.

CAN COMMUNICATE WITH: AN/CRC-3; AN/FRC-6, -9; AN/GRC-3, -4, -5, -6, -7, -8; AN/MRC-5, -16;  
AN/PRC-8, -9, -10; AN/TRQ-1; AN/VRC-2, -5, -8, -9, -10, -13, -14, -15,  
-16, -17, -18, -20, -21, -22; AN/YRQ-1, -2, -3; MAN; MN; SCR-293, -298,  
-508, -509, -510, -528, -608, -609, -610, -619, -628, -808, -828.

**TECHNICAL CHARACTERISTICS**

FREQUENCY RANGE IN MEGACYCLES: 27.0 - 38.9.

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: 2 w.

POWER REQUIREMENTS: 12 v dc or 24 v dc (depending on power supply).

**PHYSICAL CHARACTERISTICS**

Radio Set SCR-678 measures 11-1/2 x 6-3/4 x 12-1/2 inches, net weight 40 pounds, volume  
0.5 cu ft.