



Figure 95. Radio Set SCR-508-(*).

Status: Standard. *Stock No.:* 2S503/12 for 12-volt operation; 2S508/24 for 24-volt operation.
Reference: TM 11-600.

Radio Set SCR-508-(*), represents Radio Sets SCR-508-A, -C, -D, -AM, -CM, and -DM. Radio Set SCR-508-(*), is designed for installation and operation in combat vehicles, such as tanks, scout cars, half-tracks, command cars, or any other authorized vehicles.

This set consists basically of one Radio Transmitter BC-604 and two Radio Receivers BC-603. Radio Transmitter BC-604 operates on 10 preset frequencies.

Interphone Control Box BC-606 provides separate control and connection facilities for a microphone and a headset. Several control boxes may be connected in multiple if desired.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: 20.0 to 27.0 mc (transmitter, 80 channels).

NUMBER OF CRYSTALS: 10 operating.

PRESET FREQUENCIES: 10 transmitter. 10 on each receiver, plus manual tuning.

ANTENNA: Whip, 10 ft long. Consists of Mast Sections MS-116, MS-117, and MS-118 mounted on Mast Base AB-15/GR.

TYPE MODULATION: Frequency.

FREQUENCY CONTROL: Crystal.

POWER SOURCE:

Radio Transmitter BC-604: 12-v vehicular battery through Dynamotor DM-35, or 24-v vehicular battery through Dynamotor DM-37.

Radio Receiver BC-603: 12-v vehicular battery through Dynamotor DM-34, or 24-v vehicular battery through Dynamotor DM-36.

POWER OUTPUT: 30 w.

RANGE: Approx 10 to 15 mi depending upon terrain and atmospheric conditions.

NUMBER OF TUBES:

Radio Transmitter BC-604: 8.

Radio Receiver BC-603: 10.

GENERAL APPLICATION

USE: Particularly in armored units.

TO COMMUNICATE WITH: Radio Sets SCR-608-A and SCR-628-A; SCR-609, SCR-610, SCR-619, SCR-808-A, SCR-828A, SCR-508, SCR-528; and AN/VRC-5, SCR-509, and SCR-510.

INSTALLATION: Installed and operated in vehicle.

TYPE OF SIGNAL: Voice.

PRINCIPAL COMPONENTS

Name	Dimensions (in.)	Weight (lb)
1 Radio Transmitter BC-604	11½ x 10¼ x 18	67
2 Radio Receivers BC-603	11½ x 6¾ x 12½	35 (ea)
2 Dynamotors DM-34	4½ x 3 x 6½	4.7 (ea)
1 Dynamotor DM-35	5½ x 4½ x 3¼	9.2
1 Mounting FT-237	5½ x 13 x 33⅝	44
1 Mounting FT-284	5 x 12 x 33	26
2 Mast Sections MS-117		39½ 0.7 (ea)
2 Mast Sections MS-118		39⅝ 0.8
1 Mast Base AB-15/GR	15	2
1 Interphone Control Box BC-606-H	4½ x 2¼ x 4¼	1.8

WEIGHT AND VOLUME

	Domestic pack
Total weight (lb)	710
Total volume (cu ft)	31.6
Ship tons	¾