



Figure 54. Radio Receiver BC-1004-D.

Status: Standard. *Stock No.:* 2C5004. *Reference:* TM 11-866.

Radio Receiver BC-1004-(*) represents Radio Receivers BC-1004-B, -C, and -D.

Radio Receiver BC-1004-(*) is a superheterodyne receiver intended primarily for fixed-station use, although mountings for vehicular installation may be provided.

The receiver uses a conventional superheterodyne circuit and is designed for the reception of either c-w or a-m voice or tone signals, with either manual or automatic volume control.

The receiver uses an external power supply, but in an emergency can be operated from batteries.

The equipment is the same as Radio Receivers BC-779-A, -B; BC-794-A, -B; and R-129/U, except in frequency coverage.

Radio Receiver BC-1004-(*) is a component of Radio Sets SCR-244-A and -B and Radio Set AN/FRR-4.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: 0.54 to 20.0 in 5 bands:

Band 1: 0.54 to 1.16 mc.

Band 2: 1.16 to 2.5 mc.

Band 3: 2.5 to 5 mc.

Band 4: 5 to 10 mc.

Band 5: 10 to 20 mc.

NUMBER OF CRYSTALS: 1 (i-f filter).

PRESET FREQUENCIES: None.

ANTENNA: Doublet antenna with balanced transmission line or single wire and ground.

TYPE MODULATION: Amplitude.

POWER SOURCE: One of the following: Power Supply Unit RA-74, RA-84, or RA-94-A, 95- to 260-v 25/60-cycle ac, 180 w, or battery; one 6-v storage battery; five 45-v B batteries; one 4.5-v C battery.

RANGE: Long.

NUMBER OF TUBES: 18.

GENERAL APPLICATION

USE: Radio Receiver BC-1004-(*) is a component of

Radio Sets SCR-244-A and -B and Radio Set AN/FRR-4.

TO COMMUNICATE WITH: Radio Sets SCR-177, AN/MRC-2A, SCR-188, SCR-193, SCR-399, SCR-499, AN/VRC-1, SCR-543, AN/GRC-9, SCR-536, and SCR-694.

INSTALLATION: Primarily designed for fixed-station use, but mountings for vehicular installation may be provided.

TYPE OF SIGNAL: C-w, tone, and voice.

PRINCIPAL COMPONENTS

<i>Name</i>	<i>Dimensions (in.)</i>	<i>Weight (lb)</i>
Radio Receiver BC-1004-(*) with power and battery cables and dust cover	10½ x 15¾ x 19	55
Power Supply RA-74, RA-84, or RA-94-A with dust cover	10½ x 10 x 19	60

WEIGHT AND VOLUME

Total weight (lb)	<i>Export pack</i> 179
Total volume (cu ft)	7.5