



BC-787-B

Figure 49. Radio Receiver BC-787-B and Mounting FT-377-A.

Status: Substitute standard. *Stock No.:* 2C4787. *Reference:* TM 11-867.

Radio Receiver BC-787-B is a three-band superheterodyne receiver for mobile or fixed-station use. It is designed for the reception of either a-m or f-m signals in the frequency range of 27.3 to 143 mc. It is also possible to receive c-w signals by using the bfo. If desired, stand-by operation of the receiver can be controlled at some remote point. The receiver may be operated with the internal power supply or the external A and B batteries. This receiver is used as a component of Radio Set SCR-607.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: 27.8 to 143 mc in 3 bands:

Band 1: 27.8 to 47 mc.

Band 2: 46 to 82 mc.

Band 3: 82 to 143 mc.

NUMBER OF CRYSTALS: None.

ANTENNA: Single wire or double doublet.

TYPE Modulation: Amplitude and frequency.

POWER SOURCE: 115- or 230-v, 50- to 60-cyc ac or 6-v storage battery and 270-v B battery dc.

RANGE: Dependent upon antenna used, frequency, and ionospheric conditions.

NUMBER OF TUBES: 15.

GENERAL APPLICATION

USE: For monitoring.

TO COMMUNICATE WITH: Sets within frequency.

INSTALLATION: Fixed or mobile station.

TYPE OF SIGNAL: Voice, a-m, f-m, or c-w.

PRINCIPAL COMPONENTS

<i>Name</i>	<i>Dimensions (in.)</i>	<i>Weight (lb)</i>
1 Radio Receiver BC-737-B	9 ⁵ / ₈ x 21 ¹ / ₄ x 14 ¹ / ₂	78
1 Mounting FT-377-A	4 ⁷ / ₈ x 21 ¹ / ₄ x 14 ¹ / ₂	12

WEIGHT AND VOLUME

Total weight (lb)	<i>Unpacked</i> 90
Total volume (cu ft)	1.6