



BC-342-(*)

Figure 39. Radio Receiver BC-342-N.

Status: Standard. *Stock No.:* 2C4342. *Reference:* TM 11-850.

Radio Receiver BC-342-(*) represents Radio Receivers BC-342-A, -C, -D, -F, -J, -L, -M, and -N.

Radio Receiver BC-342-(*) is a superheterodyne type receiver intended for general field usage. It is ruggedly built, and it is suitable for vehicular, portable, or fixed operation. The receiver is highly sensitive and selective, and it is designed for the reception of either c-w or a-m voice or tone signals. Radio Receiver BC-342-(*) is an a-c operated receiver.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: 1.5 to 18.0 in 6 bands.
NUMBER OF CRYSTALS: 1 (i-f filter).
ANTENNA: Any suitable receiving antenna.
FREQUENCY CONTROL: Continuous tuning.
POWER SOURCE: 110- to 120-v ac.
RANGE: Dependent upon antenna used, operating frequency, and ionospheric conditions.
NUMBER OF TUBES: 10.

GENERAL APPLICATION

USE: General purpose receiver.
TO COMMUNICATE WITH: Radio Sets SCR-177-B, SCR-188-A, SCR-193, SCR-399, SCR-499, SCR-506-A,

SCR-543-B, AN/GRC-9, AN/MRC-1, AN/MRC-2, and AN/VRC-1.
INSTALLATION: Suitable for vehicular, portable, or fixed operation.
TYPE OF SIGNAL: C-w, tone, and voice.

PRINCIPAL COMPONENTS

Name	Dimensions (in.)	Weight (lb)
Radio Receiver BC-342	10 x 9 1/8 x 18 1/8	61.5
Rectifier RA-20	3 1/4 x 6 1/8 x 6 1/2	10 1/2
Mounting FT-162	1 1/4 x 6 7/8 x 18	3 3/4

WEIGHT AND VOLUME

	Unpacked	Domestic pack
Total weight (lb)	75 3/4	120 (approx)
Total Volume (cu ft)	1 1/8 (approx)	5 (approx)