

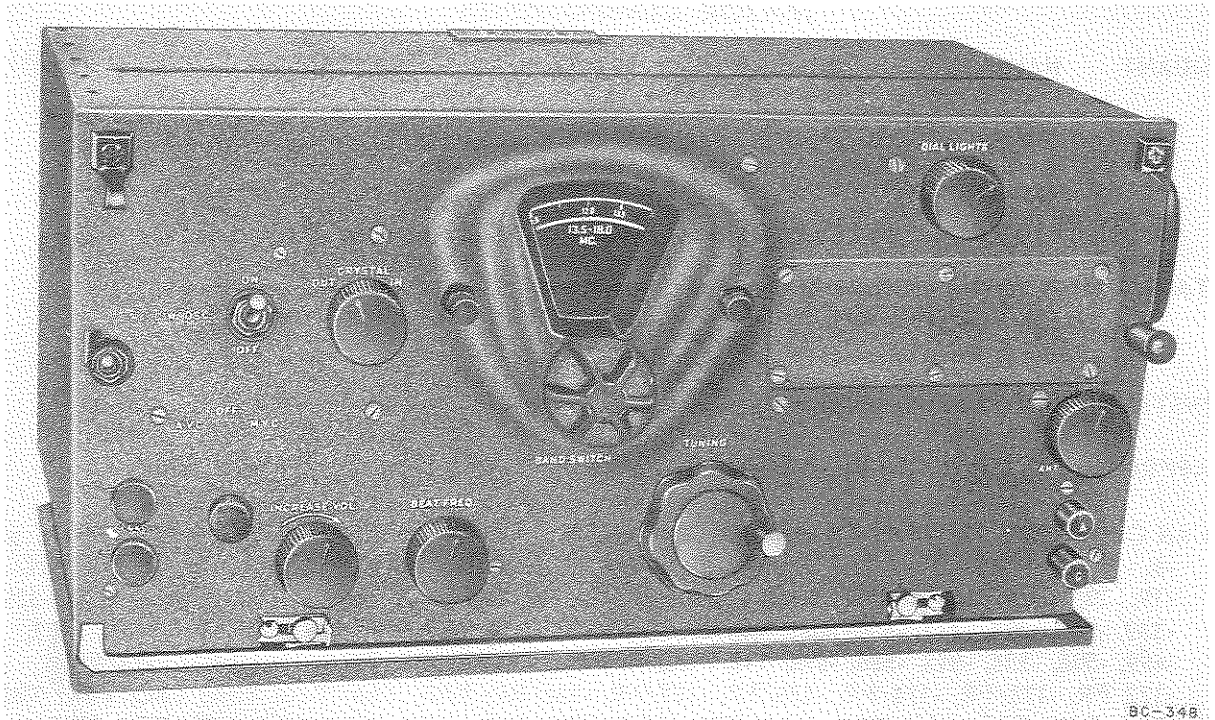
STATUS: Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Air Force
 DATE OF THIS SHEET: 19 May 52

AN/ARR-TYPE

SERVICE TYPE NUMBER:

BC-348

RADIO RECEIVER



Radio Receiver BC-348 is an a-m (voice and cw) equipment used in air-to-ground and air-to-air radio communication over the frequency range 0.2 to 0.5 and 1.5 to 18 mc.

It is continuously tunable and its frequency range is covered in 6 bands which can be selected by a rotary switch located on the equipment's front panel.

The intermediate frequency of this receiver is 915 kc. It has an adjustable beat-frequency oscillator, crystal band-pass filter, and either a manual or automatic volume control.

The antenna is coupled to the receiver through a variable capacitor, permitting use of single wire antennas of various lengths.

Audio power output is 3 w (maximum) into either a 300- or 4,000-ohm load to match high- or low-impedance headphones.

This receiver is powered by a built-in 28-v d-c dynamotor.

When necessary to operate from 14-v d-c power sources, the electrically equivalent Radio Receivers BC-224-F and BC-224-K may be used.

AN/ARR-TYPE		INSTRUCTION LITERATURE: TO 16-40BC-348
BC-348	:SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN)	INSTALLED	WEIGHT (LBS)
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(Equipment consists only of a single major operating component.)

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Used in light, medium, and heavy bombers and in air-sea rescue, trainer, and cargo aircraft.

INSTALLATION: Airborne, shock mounted.

APPROXIMATE RANGE (IN MILES): Short to medium.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25; AN/ART-13; AN/CRT-3, -5; AN/FRT-5, -6, -10, -15, -17, -18, -19; AN/GRC-9, -13, -26; AN/GRT-2; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRC-3; AN/SRT-1, -3, -4; AN/TRQ-1; AN/URT-2, -3, -4; AN/VRC-1, -4; BC-191, -329, -339, -365, -401, -447, -610; MBS; MQ; OA-60/FRT; RC-52; SCR-177, -188, -193, -274, -281, -399, -499, -506, -536, -543, -585, -694; T-4/FRC, -5/FRC, -83/SR, -158/FRT, -159/FRT, -171/FR, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TAB; TAJ; TAQ; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TBY; TCB; TCC; TCE; TCH; TCK; TCP; TCS; TCY; TCZ; TDD; TDE; TDF; TDH; TDK; TDN; TDO; TEB; TEC; TEF; Collins 18S-4 (AF Model); Collins 32V-2; Fisher TS 25-3; Marconi TH-41-B; Westinghouse Type MW; Wilcox 96D, 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.2 - 0.5 and 1.5 - 18.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, cw, mcw.

POWER OUTPUT: 3 w (maximum) into either 300 - or 4,000-ohm impedance load.

POWER REQUIREMENTS: BC-348: 56 w, 28 v (2 amp) dc.
BC-224: 56 w, 14 v (4 amp) dc.

PHYSICAL CHARACTERISTICS

Radio Receiver BC-348 measures 18 x 10-1/2 x 9-1/2 inches, net weight 35.5 pounds, volume 1.1 cu ft. Packed for domestic or export shipment: total weight 45 pounds, total volume 1.25 cu ft. Shipped in 1 package.