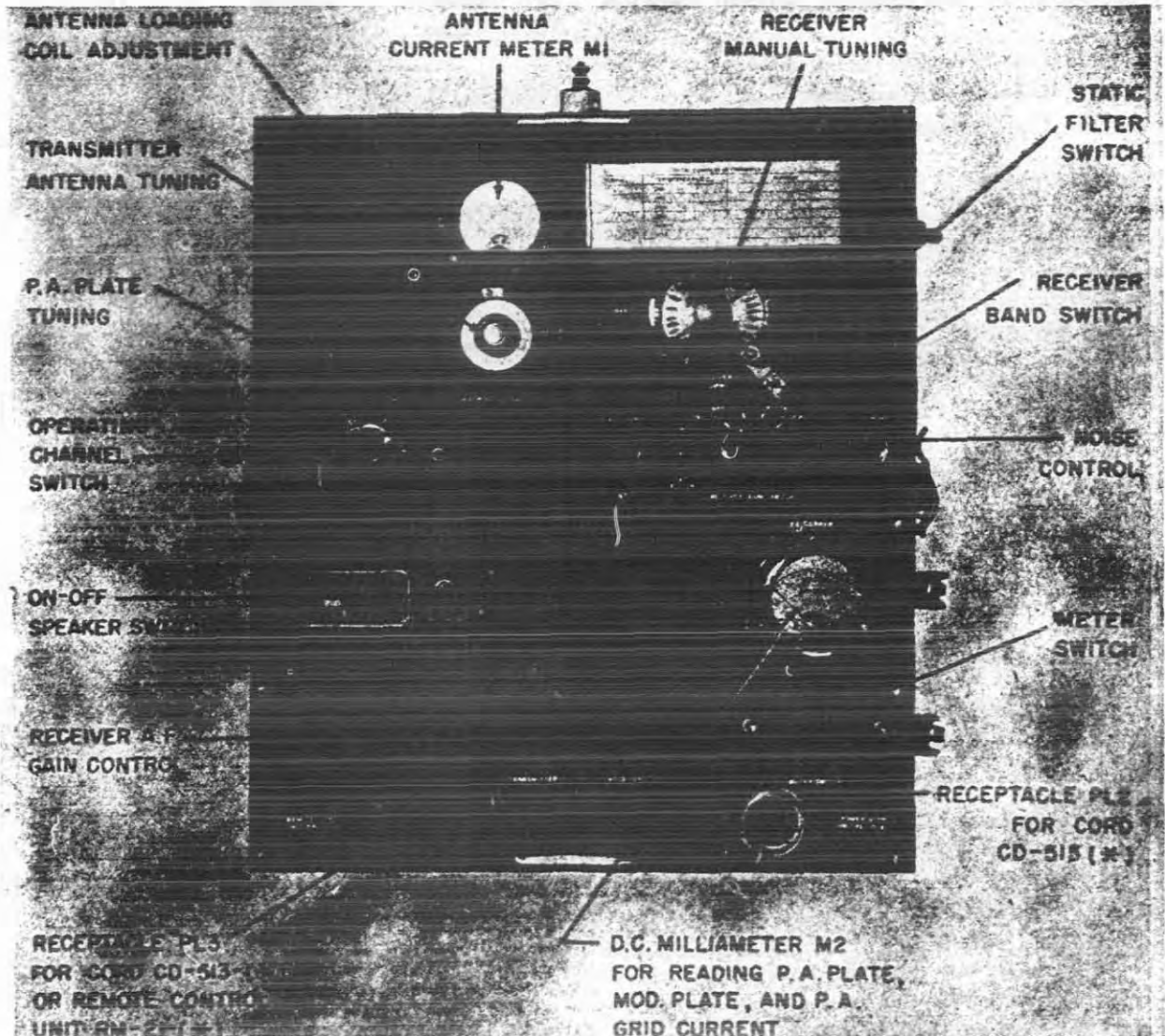


October 1957

Radio-Transceivers

# RADIO RECEIVER AND TRANSMITTER

**BC-669-A,B,C,D,  
AM,BM,CM**


*Radio Receiver and Transmitter BC-669-(\*)*

## FUNCTIONAL DESCRIPTION

The BC-669-A,B,C,D,AM,BM,CM provide instant change from reception to transmission and is suitable for operation by personnel of limited radio experience. The equipment is designed to operate either as a field station or a vehicular radio providing radio telephone and continuous-wave communication to anti-aircraft brigades and regiments.

Communications may be carried on over distances from 20 to 30 mi when the unit is

operated as a field station. As a vehicular radio (vehicles in motion) the range is approximately 15 miles. Actual distances vary according to conditions of weather, height location or operating frequencies.

The BC-669-AM,BM, and CM differ from the A,B,C,D in that they can be operated without the use of Remote Control Unit RM-21-A,B,C.

No field changes in effect at time of preparation (28 January 1957).

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**BC-669-A,B,C,D,  
AM,BM,CM****RADIO RECEIVER AND  
TRANSMITTER****ELECTRICAL AND MECHANICAL CHARACTERISTICS**

FREQUENCY RANGE: 1680 kc to 4450 kc.  
 TYPE OF SIGNALS: CW and MCW.  
 RECEIVER TYPE: Superheterodyne.  
 CHANNELS: 6.  
 FREQUENCY CONTROL: crystal.  
 OPERATION: Preset or manual.  
 POWER INPUT: 220 W for receiving; 550 W for  
 transmitting.  
 TRANSMITTER OUTPUT: 45 W.  
 CW TONE FREQUENCY: 1000 cps.  
 POWER SOURCE REQUIRED: 12 v DC.

(1)\* 6H6GT/G (2) 807 (1) 12J5GT  
 Total Tubes: (15) \*12SN7GT used in model -D

(12) FT-171-B  
 Total Crystals: (12)

**REFERENCE DATA AND LITERATURE**

TM11-4058: Technical Manual for Radio Re-  
 ceivers and Transmitters BC-669-A,B,C,D,  
 AM,BM and CM.

**TUBE AND/OR CRYSTAL COMPLEMENT**

(3) 6SK7GT (1) 6SA7  
 (5) 6L6GA (2) 6J5GT/G

TYPE CLASSIFICATION  
 DESIGN COGNIZANCE TASSA  
 PROCUREMENT COGNIZANCE  
 STOCK NO.

**EQUIPMENT SUPPLIED DATA**

QUANTITY PER EQUIPT	NAME AND NOMENCLATURE	OVERALL DIMENSIONS (inches)	WEIGHT (lbs.)
1	Radio Receiver and Transmitter BC-669-A or BC-669-B or BC-669-C or BC-669-D or BC-669-AM or BC-669-BM or BC-669-CM		