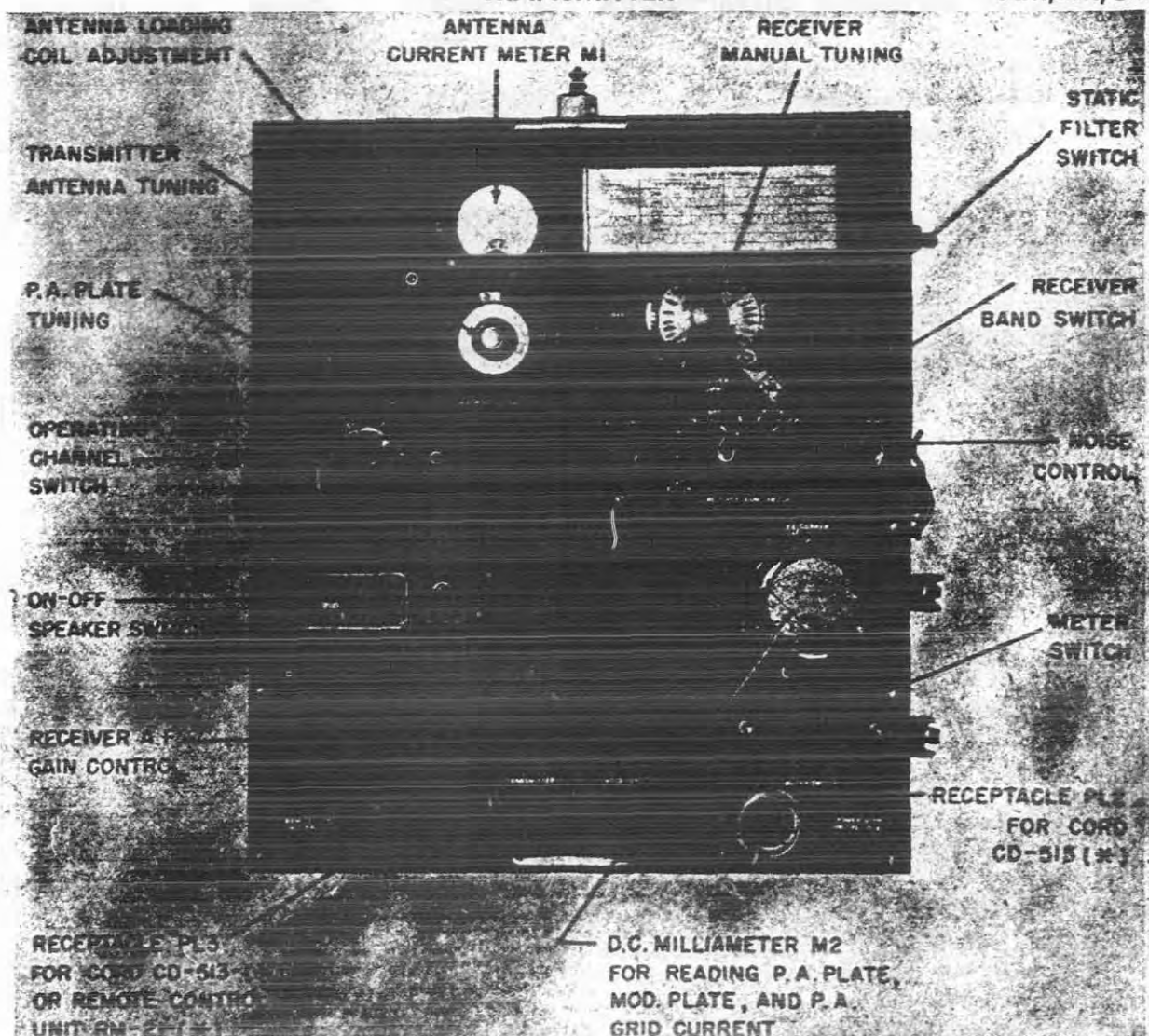


October 1957

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).

Radio-Transceivers

October 1957

**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 LITERATURETM11-4058: 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		