

**ALTEC**  
LANSING CORPORATION

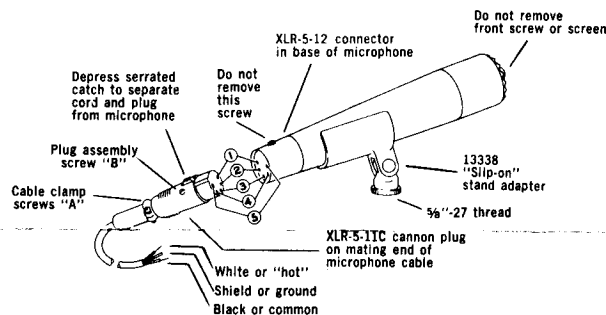
**682A "Omnidirectional  
Dynamic Microphone**

## OPERATING INSTRUCTIONS

procedure outlined in the following illustration, Fig. 1, select the proper connections.

**Note: — The microphone is shipped with leads connected for 30/50 ohms.**

FIG. 1



**TERMINAL LEGEND**  
Pin No. 1—Ground (shield)  
Pin No. 2—Common (black)  
Pin No. 3—30/50 ohms (white)  
Pin No. 4—150/250 ohms (white)  
Pin No. 5—20,000 ohms (white)  
Microphone is shipped with all connections made for 30/50 ohms operation. To select other available impedances perform the following in the XLR-5-11C plug:  
(1) Loosen two cable clamp screws "A".

- (2) Remove plug assembly screw "B" and slide plug housing along cable.
- (3) For 30/50 ohms white lead is connected to Pin No. 3.  
(a) To select 150/250 ohms, remove white lead from Pin No. 3 and connect to Pin No. 4.  
(b) To select 20,000 ohms impedance connect white lead to Pin No. 5.

**Note:** No connection changes should be attempted in the XLR-5-12 connector.

**Note:** For unbalanced systems, connect black lead (common) Pin No. 2, and shield (ground) together on Pin No. 1.

\*INCLUDES SINTERED BRONZE FILTER

### SPECIFICATIONS

**Type:** Moving Coil Dynamic

**Frequency Response:** 45 to 20,000 cycles

**Output Impedance:** 30/50, 150/250 and 20,000 ohms (selection by connections in microphone cable plug)

**Output Level:** -55 dbm/10 dynes/cm<sup>2</sup>

**Pickup Pattern:** Omnidirectional

**Hum:** -120 db (Ref.: 10<sup>-3</sup> Gauss)

**Dimensions:** 1 1/8" diameter at top, 7" long not including plug

**Weight:** 8 ozs. (not including cable and plug)

**Finish:** Two-tone baked enamel, black and dark green, or dark brown and platinum, or brushed chrome plating

**Mounting:** Separate "Slip-On" adapter No. 13338 furnished. Adapter has standard 5/8"-27 thread.

### DESCRIPTION

The 682A ALTEC Microphone is an omnidirectional, general purpose microphone of superb recording and broadcast quality — having a frequency range from 45 to 20,000 cycles. It is of the moving coil dynamic type consisting of a dynamic pressure unit, tuned front resonator, tuned back cavity and front sound entrance protected by the famous ALTEC Sintered Bronze Filter. This microphone uses the "new" ALTEC GOLDEN DIAPHRAGM.

The 682A may be used with the No. 13338 "slip-on" adapter for attachment to any microphone stand having standard 5/8" x 27 thread. The microphone may be removed from the "slip-on" adapter for "hand held" use. Fifteen feet of two conductor, shielded microphone cable is supplied with each microphone.

### IMPEDANCE SELECTION

Before placing the microphone in service determine the impedance requirements of the input system into which the microphone will connect, then following the pro-

### MICROPHONE POSITIONING

FIG. 2

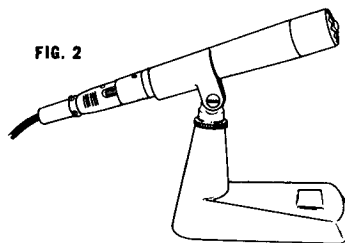


FIG. 3



The ALTEC Model 682A having an omnidirectional polar pickup pattern should be positioned on the microphone stand as shown in Fig. 2. If it is desired to group the performers around the periphery of the microphone it may be positioned as illustrated in Fig. 3.

Should your microphone, through accidental damage, become inoperative it may be replaced by your ALTEC Distributor under an exchange plan or may be returned, transportation charges prepaid, for exchange.

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