

MICROPHONE ACCESSORIES

For Use with
639 TYPE MICROPHONES



639 Type Microphone mounted on 24A Transmitter Mounting (442A Jack and 712A Adapter concealed by plug shell of microphone).

The code number 639 refers only to the microphone. The accessories described in this folder are recommended to facilitate the use of the microphone.

A Cord Assembly consisting of the 442A Jack, 712A Adapter and KS-7133 Cordage is required for practically all applications of the 639 Type Microphone. This cord assembly is used when the microphone is mounted in the 22A or 24A Transmitter Mountings or is suspended from the 11A Transmitter Attachment.

442A Jack

The 442A Jack terminates the microphone cord at the microphone end. A projecting cylindrical plug which is an integral part of the 639 Type Microphone accommodates this jack.



442A Jack

KS-7133 Cordage

Two conductor, shielded rubber covered cordage. In any length specified.



712A Adapter

712A Adapter

Used in conjunction with the 442A Jack to give greater mounting security. The 712A Adapter is the same as the 708A Adapter except for the addition of a rubber sleeve which increases the mounting stability. Those who have the 708A Adapter may order the rubber sleeve separately per ES-764300-2.

Western Electric



11A Attachment

11A Transmitter Attachment (Swivel Mounting)

For suspension mounting, the Cord Assembly is required.

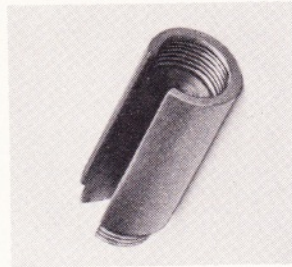
The 11A Transmitter Attachment and Cord Assembly are also used with either the 22A or the 24A Transmitter Mounting when tilting of the microphone is desired.



24A Transmitter Mounting

713A Adapter

This is a slotted connector which permits the microphone cord to be run outside the stand when the microphone is mounted on the 22A Floor Stand. When this adapter is used it is not necessary to disconnect the Cord Assembly when the latter is removed from or inserted in the stand.



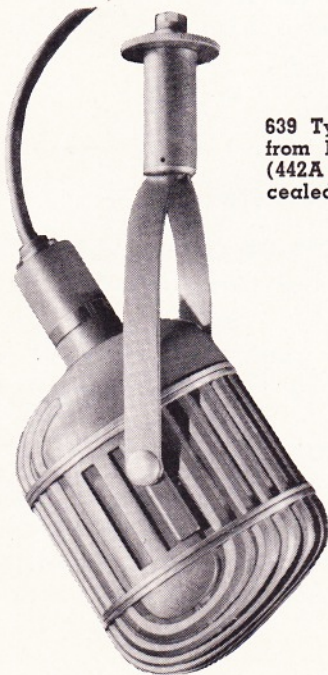
713A Adapter

24A Transmitter Mounting

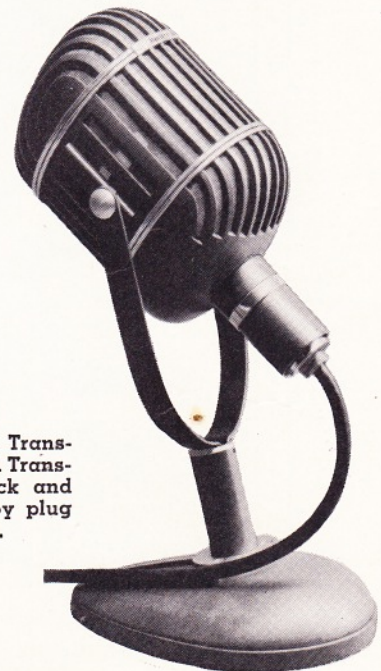
Streamlined desk mounting.

This mounting requires the use of the Cord Assembly.

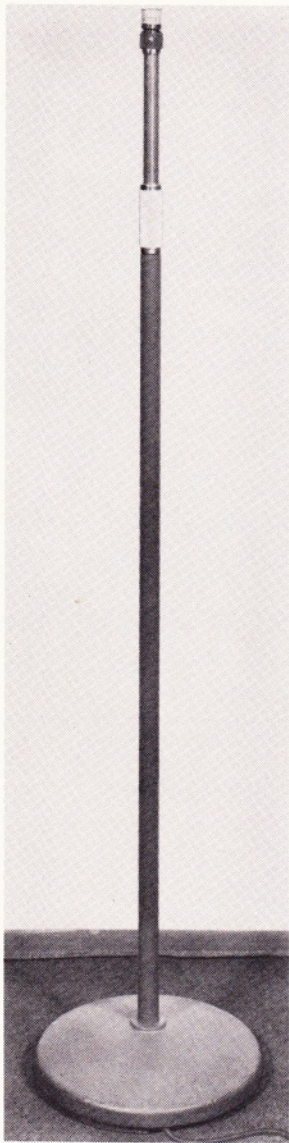
The 24A Desk Stand has a cord slot which makes possible the removal or insertion of the Cord Assembly intact. The 11A Transmitter Attachment may be used with the 24A Transmitter Mounting when tilting of the microphone is desired.



639 Type Microphone suspended from 11A Transmitter Attachment (442A Jack and 712A Adapter concealed by plug shell of microphone).

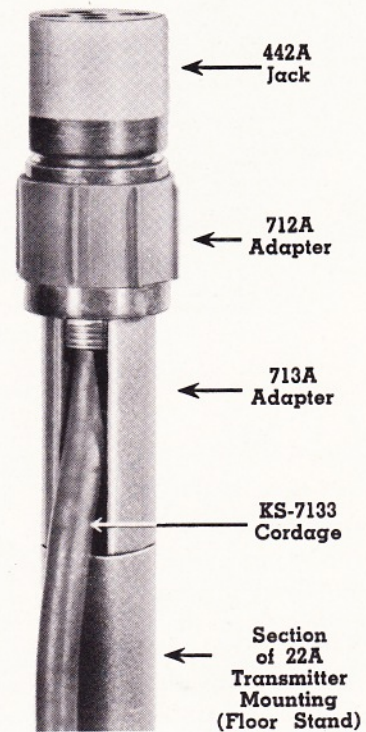


639 Type Microphone, 11A Transmitter Attachment, and 24A Transmitter Mounting (442A Jack and 712A Adapter concealed by plug shell of microphone).



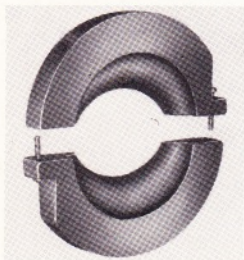
22A Transmitter Mounting with 442A Jack, 712A Adapter and KS-7133 Cordage.

Section of 22A Transmitter Mounting showing 442A Jack, 712A Adapter and 713A Adapter.



22A Transmitter Mounting

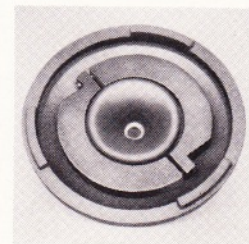
The floor stand (see illustration at left), height from 46" to 76", requires the use of the Cord Assembly. The 713A Adapter is necessary when the cord is to be run outside the stand. The 11A Transmitter Attachment may be used with the 22A Transmitter Mounting when tilting of the microphone is desired.



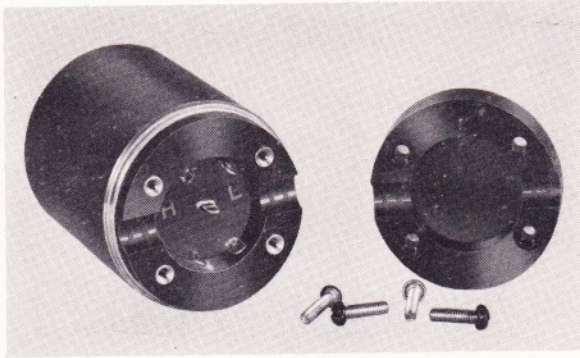
Floor Stand Weights

Floor Stand Weights

It is recommended that the weight of the 22A Floor Stand be increased by the use of a 6 lb. pair of iron weights per ES-764305-2. These weights clamp in the base of the stand and give added stability. (See illustration at right.)



Weights Mounted in Base of Stand



172A Repeating Coil with cover removed

The 172A Repeating Coil is an exceptionally high quality impedance matching device for use in low level circuits particularly between a microphone and an amplifier. It is adaptable for connection in the microphone cordage or it may be mounted on the associated amplifier. A cover, illustrated, protects and relieves the strain on the terminals and terminal plate.

The 172A coil may be used either between low impedance microphones and amplifiers having input impedances of 200-250 ohms, or between 250 ohm microphones quite frequently used and 30 ohm amplifier inputs. The insertion loss amounts to approximately 1.5 db.

Other electrical and mechanical characteristics follow:

Frequency Range and Loss

35 — 15,000 cycles per second with less than 0.5 db loss.

Power Capacity

+ 10 vu (0 level calibration 1 milliwatt).

Impedance Ratio

30:250 ohms.

DC Resistance

Winding L approximately 5 ohms
Winding H approximately 45 ohms

Shielding

The coil potted in a permalloy case is electromagnetically shielded. A terminal is provided as a convenience for connecting to the shields on the microphone cordage.

Weight

12 oz.

Size

Diameter approximately 1 $\frac{3}{4}$ " ; height 2- $\frac{25}{32}$ ".

DISTRIBUTOR IN THE UNITED STATES

Graybar
ELECTRIC COMPANY

General Offices: 420 Lexington Avenue, New York, N. Y.

A NATIONAL ELECTRIC SERVICE

GENERAL DISTRIBUTOR FOR CANADA AND NEWFOUNDLAND

Northern Electric Company
LIMITED

General Offices and Plant: 1261 Shearer Street, Montreal, P. Q.

TWENTY-ONE BRANCHES FROM COAST TO COAST

DISTRIBUTOR IN OTHER COUNTRIES

International Standard Electric Corporation

67 Broad Street New York, U. S. A.

Offices in all principal cities

EXCLUSIVE DISTRIBUTORS TO SOUND RECORDING LICENSEES (Except Canada and Newfoundland)

Electrical Research Products Inc.

195 Broadway, New York, N. Y.

and

Western Electric Company

Limited

Bush House, Aldwych, London, W.C. 2, England