MICROPHONE ACCESSORIES

For Use with
639 TYPE MICROPHONES

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.

KS-7133 Cordage

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

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 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.

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 re-
moved from or inserted in the stand.

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 con-
cealed by plug shell of micro-
phone).
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

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.)
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 1¾"; height 2⅛⅛".