

## RECORDER-REPRODUCER

### KS-19671 L1

## REQUIREMENTS AND ADJUSTING PROCEDURES

### 1. GENERAL

1.01 This section contains operating requirements and adjusting procedures for the KS-19671 L1 Recorder-Reproducer which is used initially for recording telephone conversations in Switching System No. 306.

1.02 The recorder-reproducer (Fig. 1) has complete facilities for reproducing audio-frequency signals and is designed to operate from a 115-volt, 50 or 60 cycle power source.

1.03 A plug connected KS-19245 L31 recorder (Fig. 2) equipped with a KS-19245 L6 tape cartridge (Fig. 3) is used as the recording mechanism.

1.04 A KS-19671 L2 Indicator (Fig. 4) is available for remote indication of the location of recorder information on the tape cartridge.

1.05 Jack connections for a KS-19245 L8 Footswitch (Fig. 5) and a KS-19245 L9 Earphone (Fig. 6) used for foot control and monitoring during playback conditions are provided.

1.06 A KS-19245 L12 Backspace Unit (Fig. 7) provides for automatic backspace of a few words each time the footswitch is released during the playback of a recorded message. The KS-19245 L12 Backspace Unit engages with both the jacks for the footswitch and earphone units described in 1.05. In addition, the backspace unit provides jacks for the footswitch and earphone.

### 2. REQUIREMENTS

2.01 *Cleaning:* Drive belts, capstan, drive surfaces of pulleys, record and erase heads, and pressure rollers shall be free of oil, dirt, and other foreign matter. They shall be cleaned as specified.

2.02 *Lubrication:* No lubrication should be done in the field on KS-19671 L1 recorder-reproducers.

2.03 *Message Dial Indicator Setting:* The message dial indicator shall read zero when tape is fully rewound into cartridge.

*Note:* Units are furnished with indicator setting adjusted, however, if tape breakage occurs, splicing may cause indicator setting to shift.

### 3. ADJUSTING PROCEDURES

#### 3.001 List of Materials

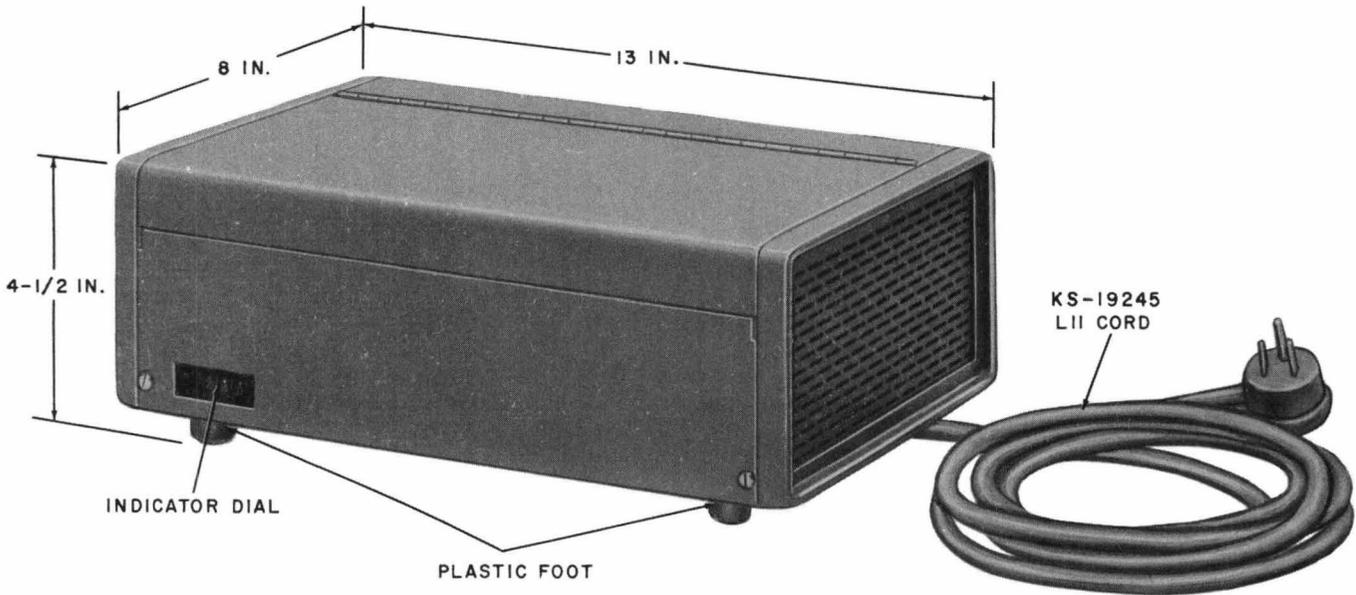
CODE OR SPEC NO. MATERIALS	DESCRIPTION
KS-2423	Cloth
KS-19578 L1	Trichlorethane

#### 3.01 Cleaning (Reqt 2.01)

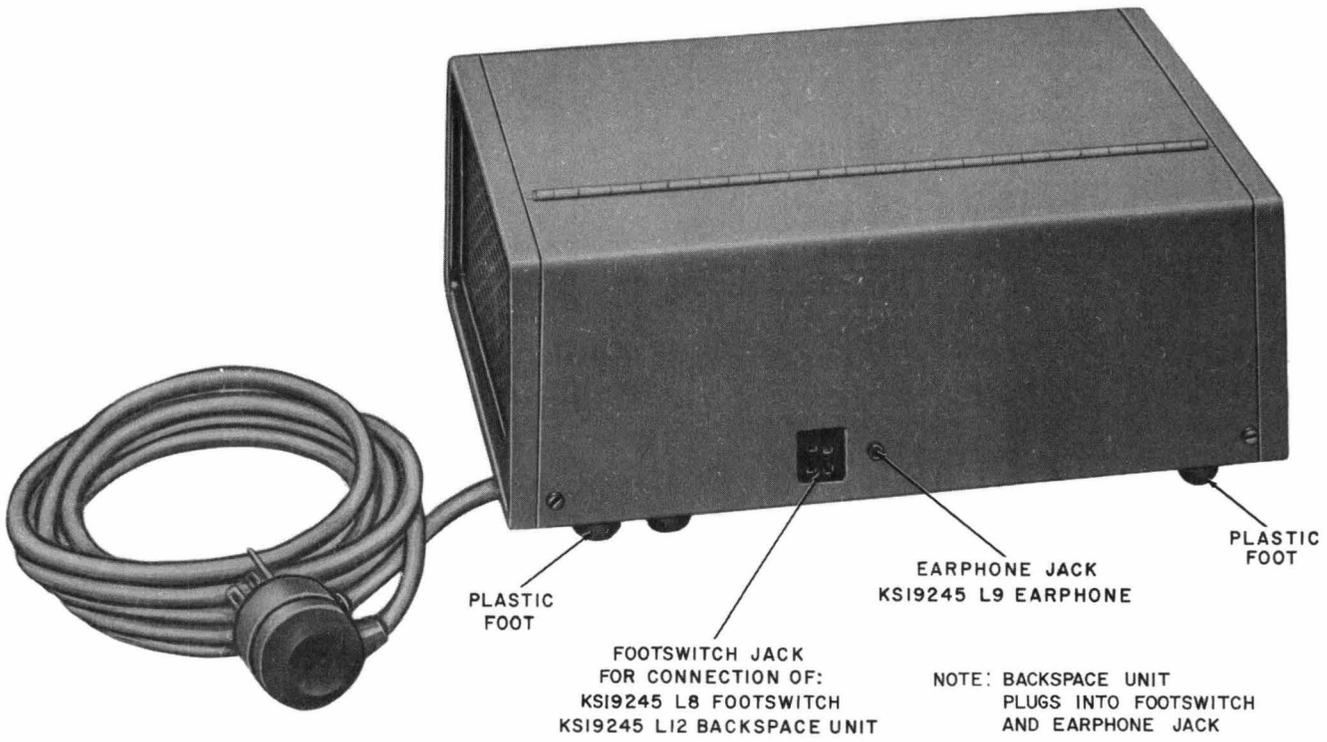
(a) Clean drive belts, capstan and drive surfaces of pulleys with a clean KS-2423 cloth moistened with KS-19578 L1 trichlorethane.

(b) Clean record and erase heads by wiping with a clean KS-2423 cloth, moistened slightly with KS-19578 L1 trichlorethane. Remove all excess cleaner with a dry KS-2423 cloth.

(c) Clean pressure roller only if excessive build-up of foreign particles is present. Use a KS-2423 cloth moistened slightly with KS-19578 L1 trichlorethane. Wipe off any excess cleaner immediately with a dry KS-2423 cloth and allow time for rubber surfaces to dry before running set.



FRONT VIEW



REAR VIEW

**Fig. 1 — KS-19671 L1 Recorder-Reproducer**

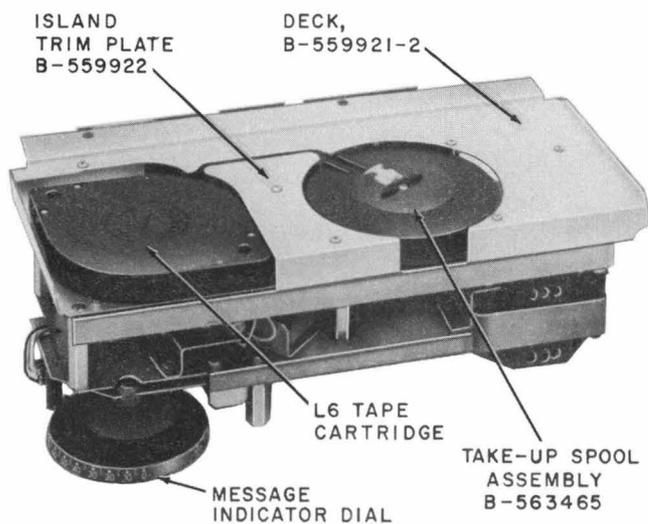


Fig. 2 — KS-19245 L31 Recorder

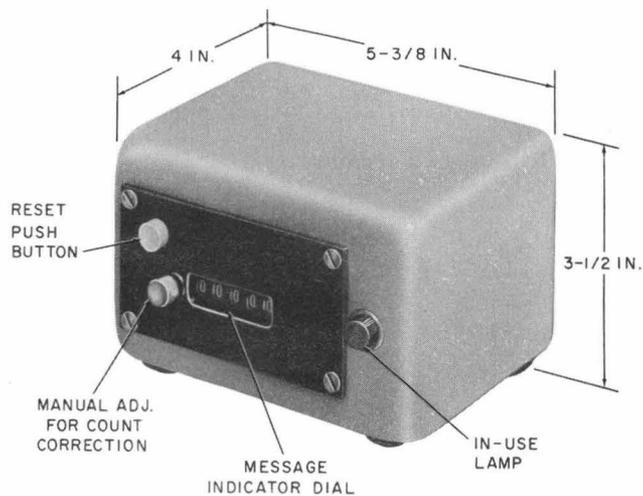


Fig. 4 — KS-19671 L2 Indicator



Fig. 5 — KS-19245 L8 Footswitch

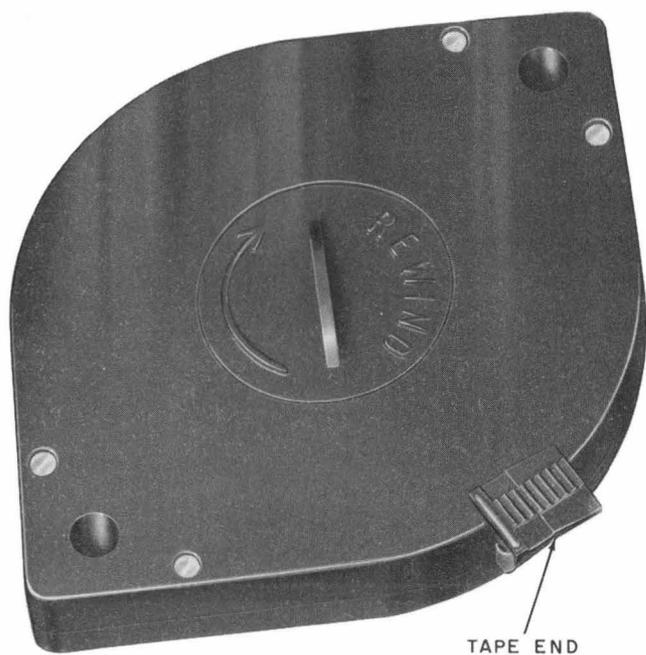


Fig. 3 — KS-19245 L6 Tape Cartridge



Fig. 6 — KS-19245 L9 Earphone

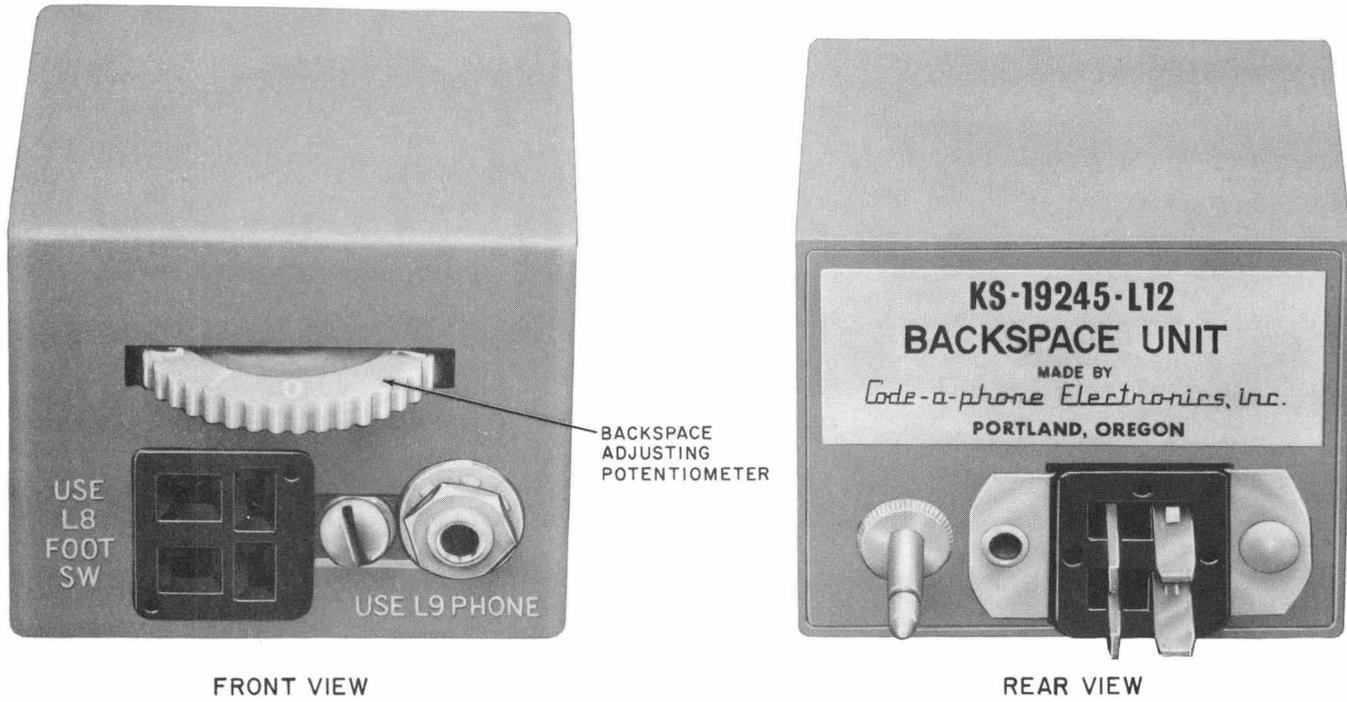


Fig. 7 — KS-19245 L12 Backspace Unit

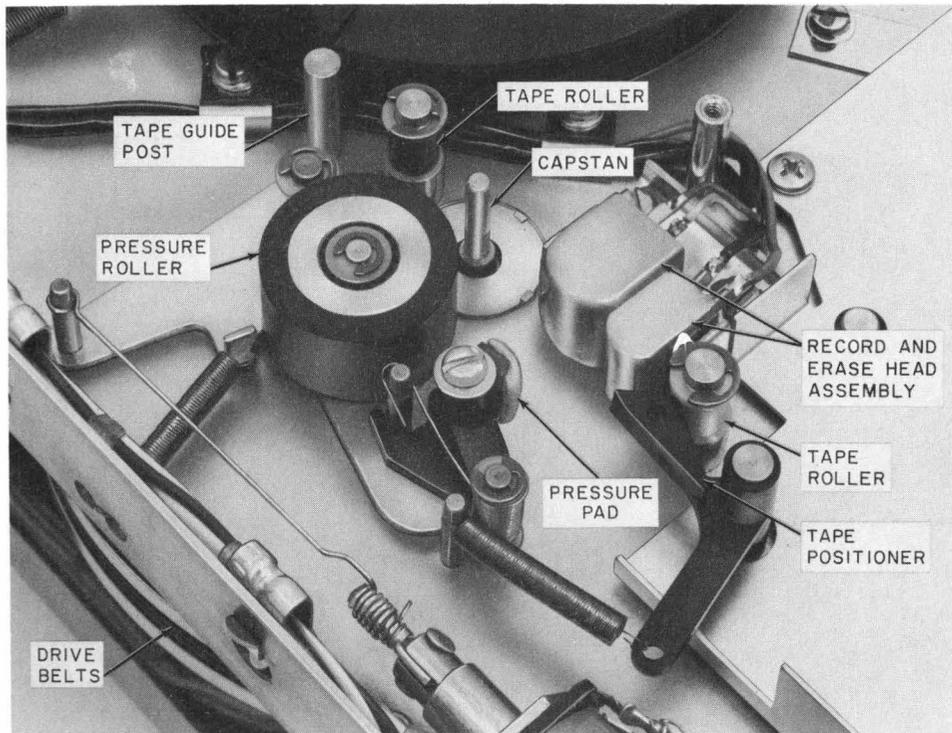


Fig. 8 — Record and Erase Heads, Capstan, Tape Rollers and Guides, and Drive Belts

**3.02 Lubrication** (Reqt 2.02)

No requirement.

**3.03 Setting of Message Indicator Dial** (Reqt 2.03)

- (a) Depress rewind button to rewind tape into cartridge.
- (b) Depress stop button.
- (c) Remove tape end from take-up reel by depressing and backing out of slot.
- (d) Turn cartridge hub clockwise by hand to rewind remaining tape into cartridge.
- (e) Remove cartridge.
- (f) Set dial to zero position by rotating cartridge hub by hand in either direction to set dial at zero, or for more rapid resetting, run set in rewind as follows:

(g) Insert folded paper in take-up reel slot (see Fig. 9).

(h) Rotate take-up reel by hand to allow folded paper to operate limit switch.

(i) Restrain take-up reel and depress cartridge reset switch.

(j) Depress rewind button.

(k) When zero setting is obtained, depress stop button.

*Note:* Fine adjustment may be accomplished by procedure outlined in (f) above.

(l) Remount cartridge.

**4. ACCESSORIES**

**4.01** Maintenance on indicator, footswitch, or backspace unit should be limited to tightening loose connections. Replace faulty accessories or return them to Western Electric Company for repairs.

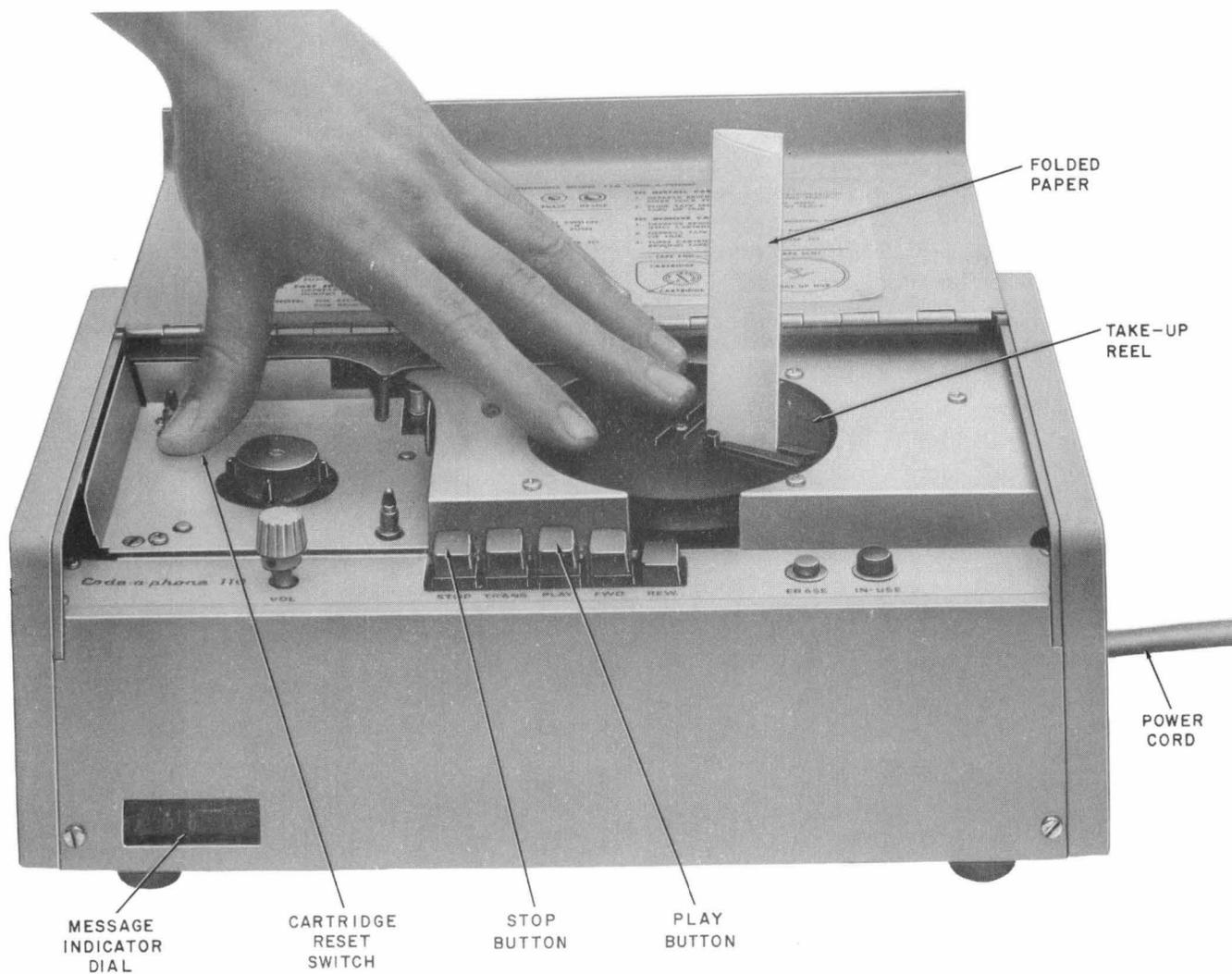


Fig. 9 — Method for Rapidly Resetting Message Indicator Dial