

RECORDER-REPRODUCER

KS-19671 L1

PIECE-PART DATA AND REPLACEMENT PROCEDURES

1. GENERAL

1.01 This section provides information necessary for ordering parts to be used in the maintenance of the KS-19671 L1 Recorder-Reproducer which is used initially for recording telephone conversations in switching system No. 306. This section also covers approved procedures for replacing these parts.

1.02 Part 2 (Piece-Part Data) of this section covers the piece-part numbers and corresponding names of the parts which it is practicable to replace in the field in the maintenance of the KS-19671 L1 Recorder-Reproducer. This information is contained in Table A. No attempt should be made to replace parts not designated. Part 2 has explanatory illustrations giving the different parts.

1.03 Part 3 (Replacement Procedures) of this section gives the approved procedures for the replacement of the parts covered in Part 2.

2. PIECE-PART DATA

2.01 The referenced illustrations show the various piece-parts in their proper relation to other parts of the recorder-reproducer. The piece-part numbers are given, as well as their names.

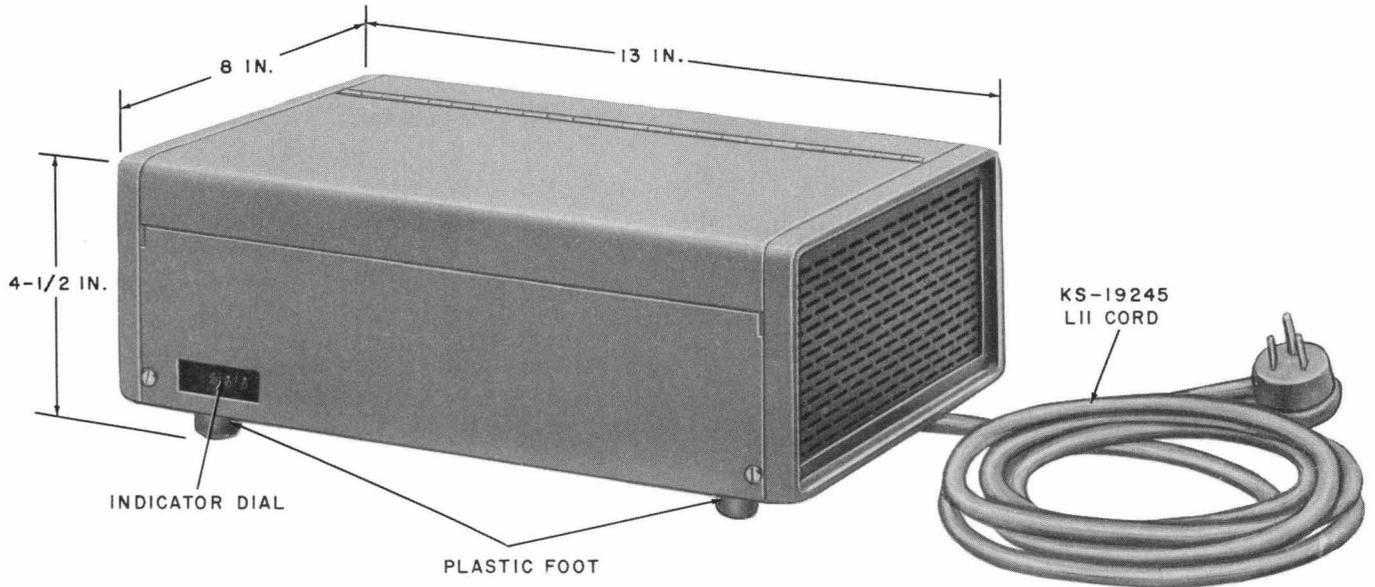
2.02 When ordering replacement parts, give the piece-part number and name of the part as shown in Table A. When B numbers are present, order as "B---, (Name of Part), part of KS-19671 L1 Recorder-Reproducer" unless it is indicated that the item is a part of KS-19245 L31 recorder. Do not refer to the BSP number.

TABLE A

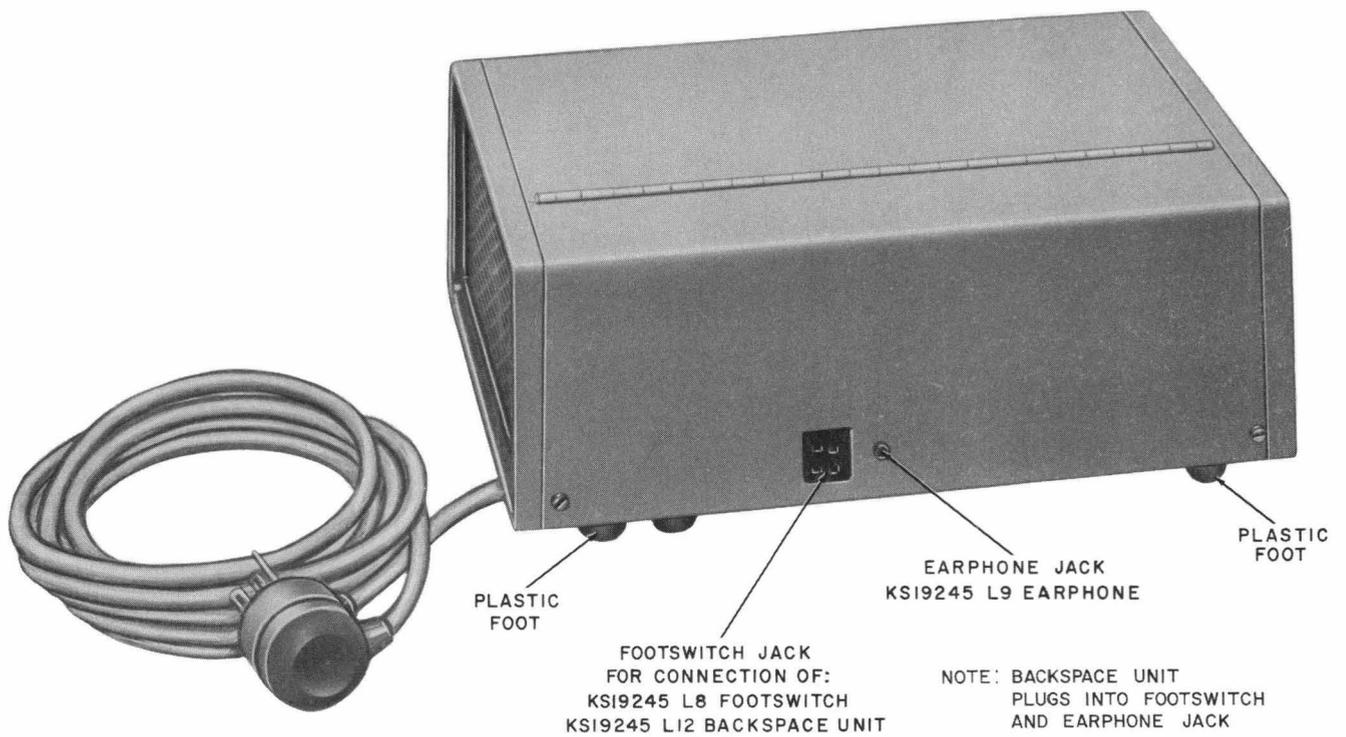
NAME OF PART	ORDERING INFO	REMARKS
Recorder	KS-19245 L31	Recording Mechanism
Motor M3101	B-650602	Component of KS-19245 L31 Recorder
Shock Mount, Motor	B-559821	Component of KS-19245 L31 Recorder
Dial Assembly	B-559988	Component of KS-19245 L31 Recorder
Head Assembly	B-559942	Component of KS-19245 L31 Recorder
Pad	B-559929	Component of KS-19245 L31 Recorder
Hub Cartridge Drive	B-559923	Component of KS-19245 L31 Recorder

TABLE A — Cont'd

NAME OF PART	ORDERING INFO	REMARKS
Take-up Spool Assembly	B-563465	Component of KS-19245 L31 Recorder
Deck	B-559921-2	Component of KS-19245 L31 Recorder
Island Trim Plate	B-559922	Component of KS-19245 L31 Recorder
Relay FF, MOT, PL	Allied Control Company TF-154-C-C 24V, 700 ohms	
Relay DLY, RC, RW	Allied Control Company TF-154-CC-CC 24V, 700 ohms	
Power Cord	KS-19245 L11	For use with a 3-wire parallel blade, 110 volt ac outlet
Power Cord	KS-19245 L10	For use with a 2-wire 110 volt ac outlet
Cartridge	KS-19245 L6	Contains recording tape for messages
Speaker	Quam 3.2 ohms 27A0621	For monitoring
Operating Instructions Label	B-574861	
Fuse	3AG1 amp; obtain locally	
Lamp	GE 327	In-Use lamp
Foot	B-550086	Located on bottom of set
Relay Layout	B-574862	Label
Terminal Numbering Strip	B-574863	Label
Knob	Volume Knob for KS-19671 L1 Recorder-Reproducer	
Button	B-574519	For control buttons



FRONT VIEW



REAR VIEW

Fig. 1 — KS-19671 L1 Recorder-Reproducer, Assembled

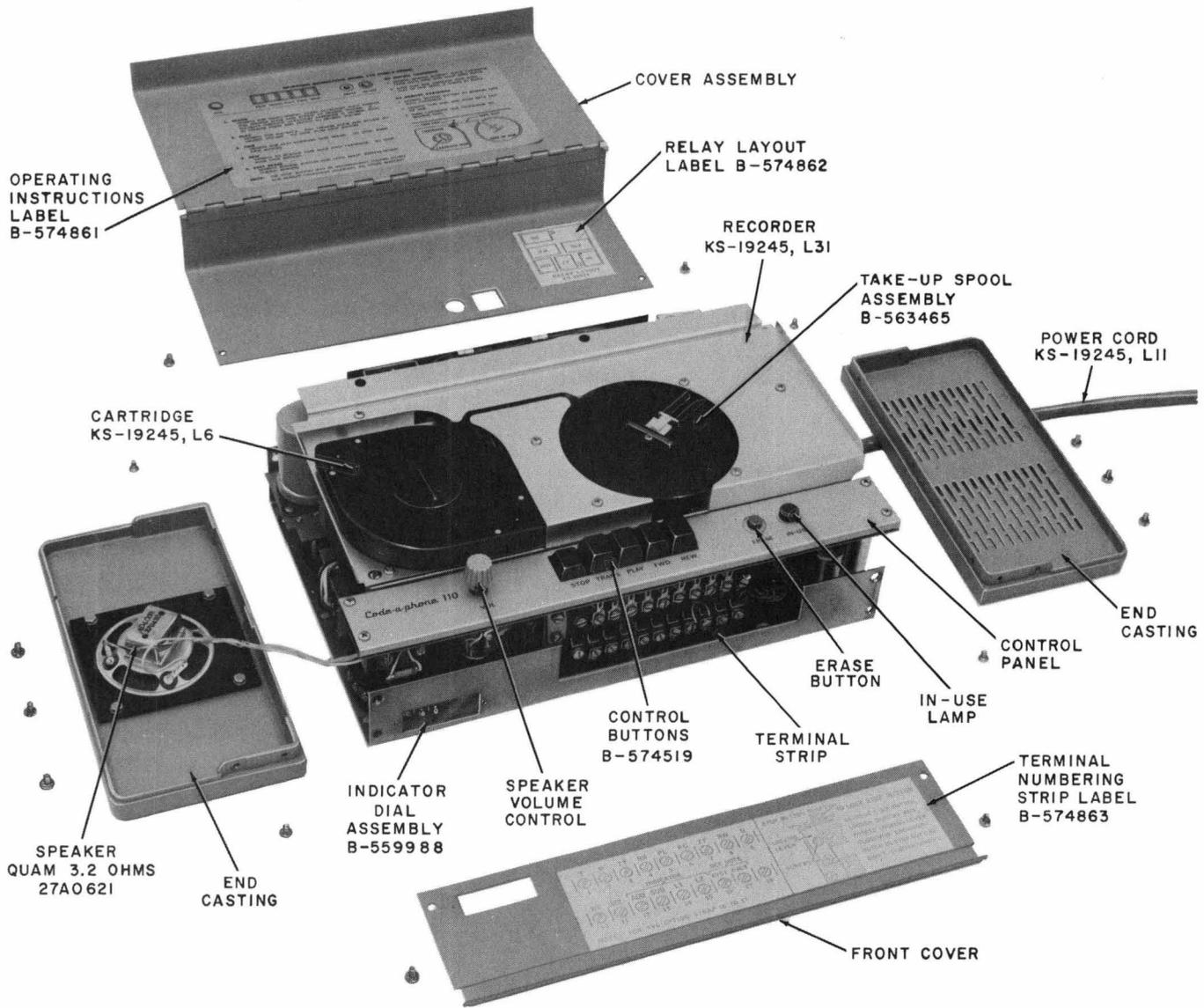


Fig. 2 — KS-19671 L1 Recorder-Reproducer, Disassembled

3. REPLACEMENT PROCEDURES

3.01 List of Tools

CODE OR SPEC NO.	DESCRIPTION
TOOLS	
R-2959	1/16-inch Allen Socket Screw Wrench
	C Screwdriver, 3 in.
	B Screwdriver, 3 in.
KS-14440	Copper, Soldering

3.02 No replacement procedures are specified for screws or other parts where the replacement consists of a simple operation.

Caution: Before replacing any parts on this set, disconnect power cord from the ac outlet.

3.03 After replacement of any parts, the recorder-reproducer shall meet any readjust requirements as specified in Section 034-366-701. Other parts, where adjustments may have been directly disturbed by the replacing operations,

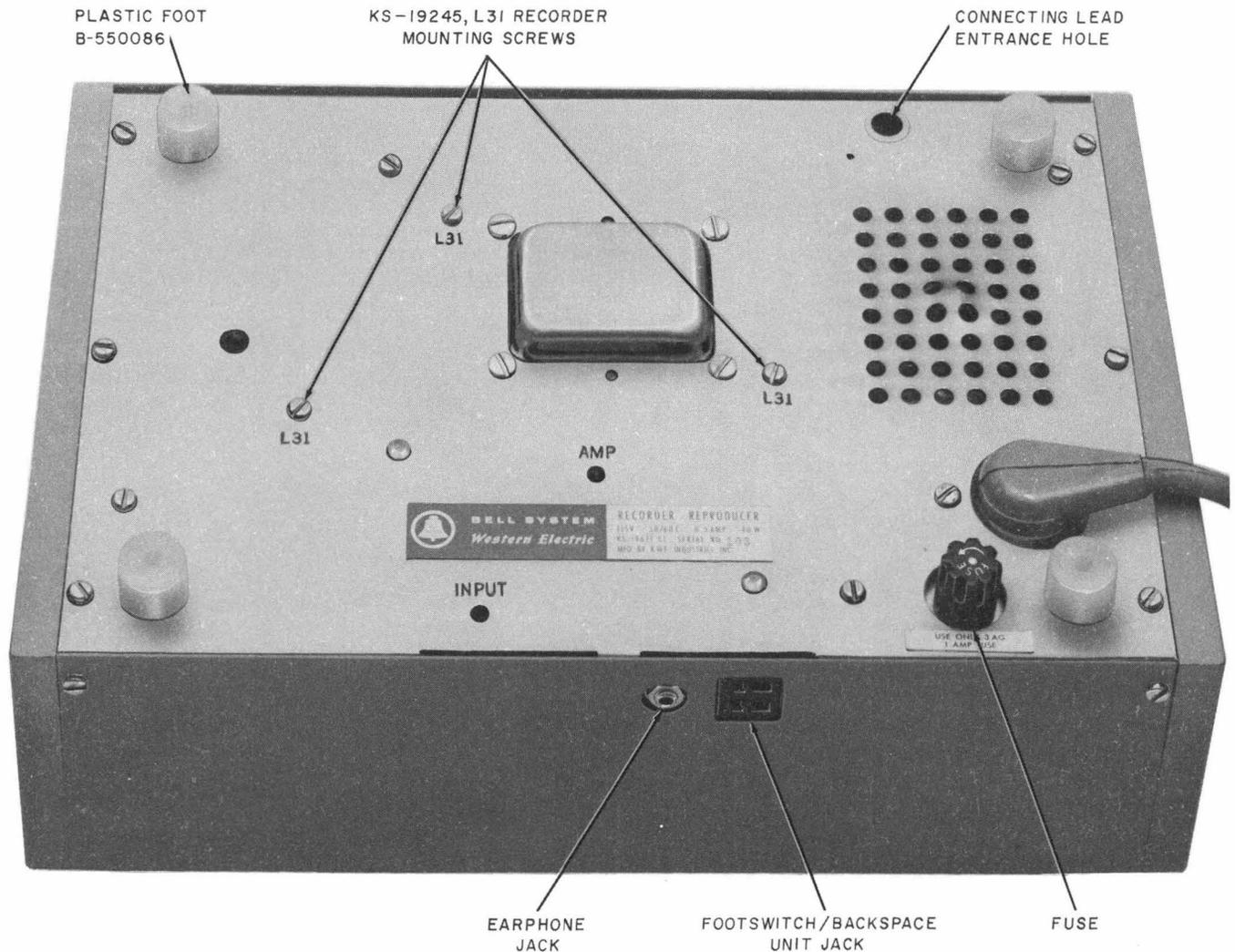


Fig. 3 — KS-19671 L1 Recorder-Reproducer, Bottom View

shall be checked to readjust requirements and an over-all check shall be made of the machine before restoring it to service.

3.04 Relays: Relays are replaced as follows:

- (a) Remove cover assembly of set (2 screws).
- (b) Remove deck (4 screws).
- (c) Slide wire spring retainer from relay.
- (d) Remove relay from its plug-in socket.
- (e) Plug new relay into socket.
- (f) Engage wire spring retainer.

(g) Replace deck and cover assembly.

3.05 Knobs: The volume knob (Fig. 2) may be removed by means of R-2959 wrench.

3.06 KS-19245 L31 Recorder: The recorder may be replaced as follows:

(a) Remove tape cartridge as follows:

- (1) Depress rewind button to rewind tape into cartridge.
- (2) Depress stop button.
- (3) Remove tape end from take-up reel by depressing and backing out of slot.

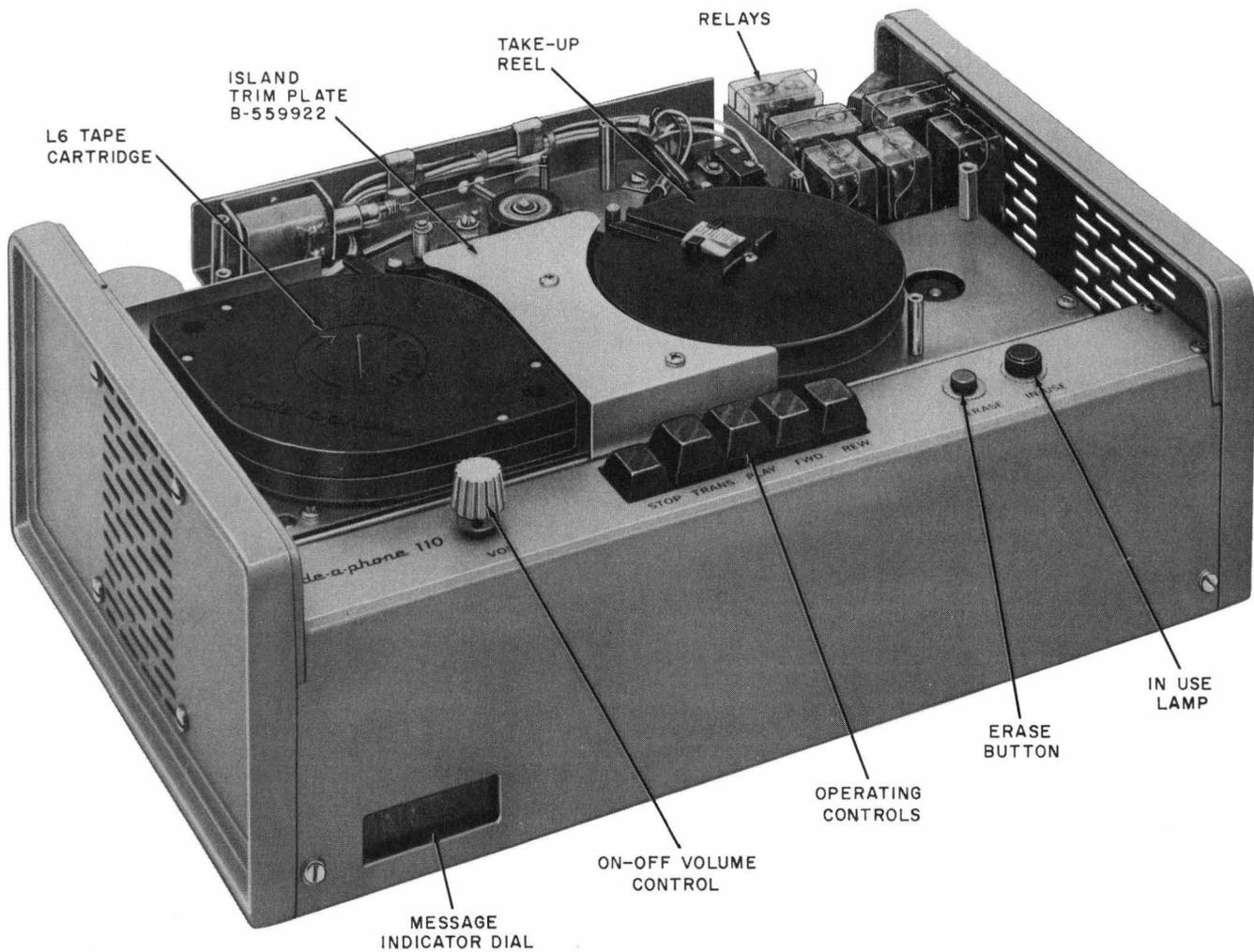


Fig. 4 — KS-19671 L1 Recorder-Reproducer with Deck Removed to Expose Relays

- (4) Turn cartridge hub clockwise by hand to rewind remaining tape into cartridge.
- (5) Remove cartridge.
- (b) Remove cover assembly (2 screws).
- (c) Remove front cover (2 screws).
- (d) Remove both cabinet end castings (5 screws each).
- (e) Turn unit upside down and remove mounting screws on bottom of set (Fig. 3) and remove recorder by carefully withdrawing from plug-in receptacle.
- (f) Plug new recorder into plug-in receptacle.

- (g) Replace screws, cover, etc., removed in (b) through (e) above.
- (h) Replace cartridge.

3.07 Motor: To replace the motor, proceed as follows:

- (a) Remove recorder as outlined in 3.06 (b) through (e).
- (b) Unsolder both motor leads at terminal strip.
- (c) Remove the 4 nuts and lock washers at corners of motor (Fig. 6).

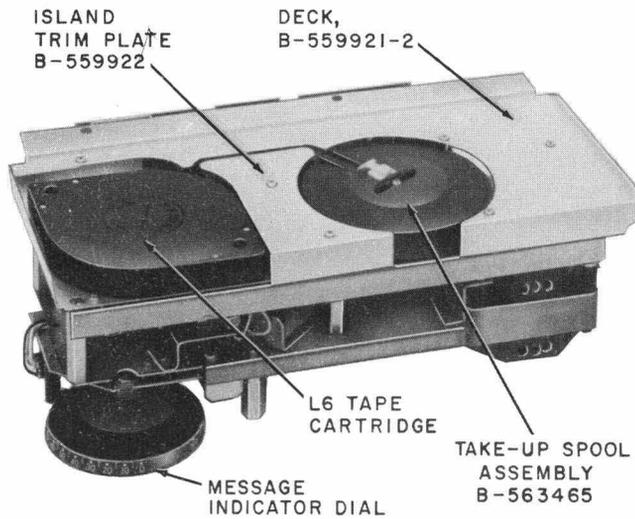


Fig. 5 — KS-19245 L31 Recorder Removed

- (d) Remove the 3 drive belts from the motor pulley and remove motor.
- (e) Remove pulley from old motor and reinstall it on new motor. Use R-2959 wrench.
- (f) Mount the new motor, taking care that the three drive belts engage the motor pulley grooves.

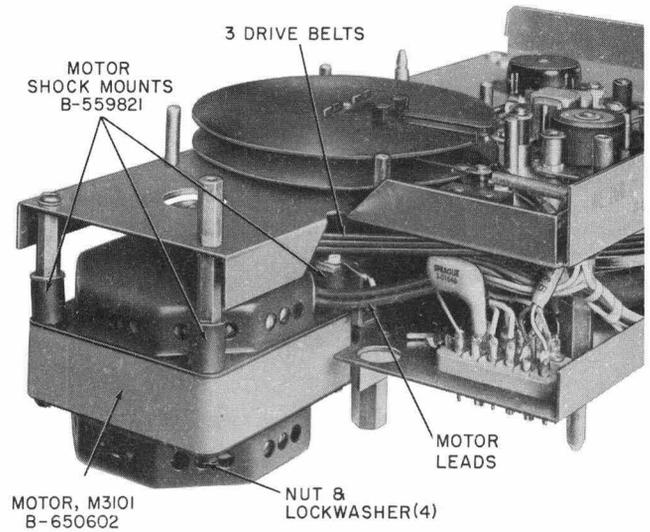


Fig. 6 — Motor, KS-19671 L1 Recorder-Reproducer

- (g) Solder new motor leads to terminal strip.

3.08 Cartridge: Replace the cartridge as outlined in the requirement and adjustment procedures in Section 034-366-701.