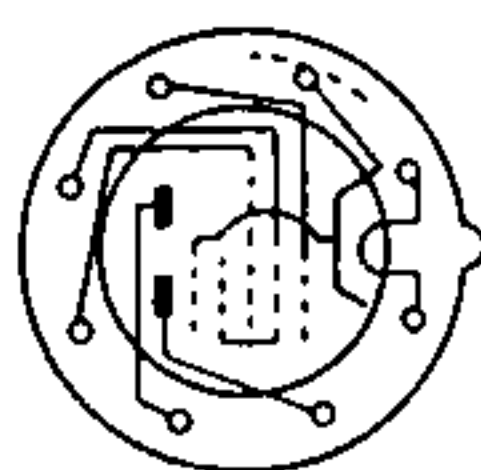


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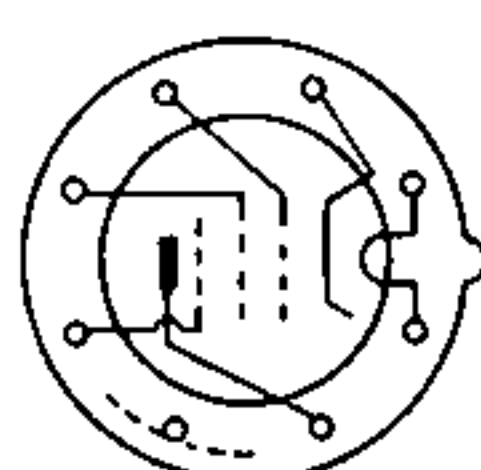
A 500 ohm/volt meter was used for taking the voltage readings; the receiver was switched to the "M" band and operating under "no signal" conditions. In those cases where the resistance of a coil is omitted, the value is less than one ohm.

The diagrams of the switches show the actual contact arrangements on the wafers. They are drawn as seen from the rear of the chassis; the broken lines through the wafers are at right angles to, and with the heads towards, the chassis. The black contacts and inner rotors are on the hidden sides of the wafers. In the diagram, the blank positions on the switches are shown by a spot. S1 is shown in the s.w. position and the sliders rotate anti-clockwise as shown by the arrows.

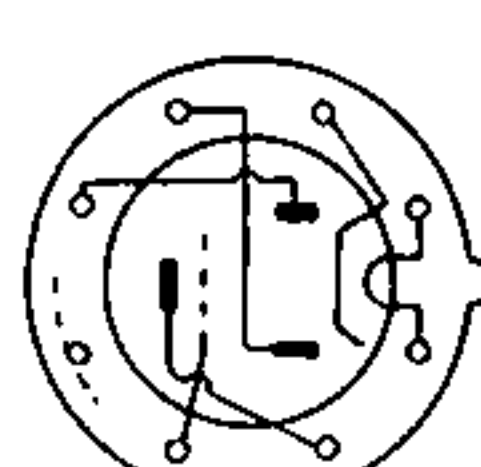
V1-6C9 (88A)



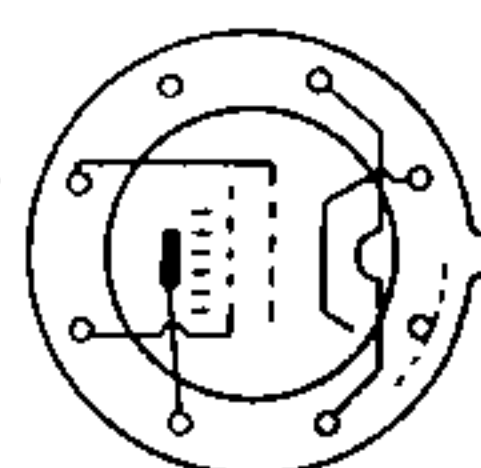
V2-6F15 (88A)



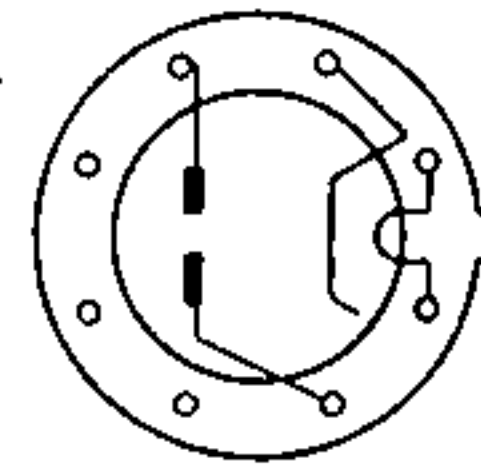
V3-6LD20 (88A)



V4-6P25 (1.0)



V5-6X4 (88A)



The tone switch, S2, is shown in the minimum top cut position.

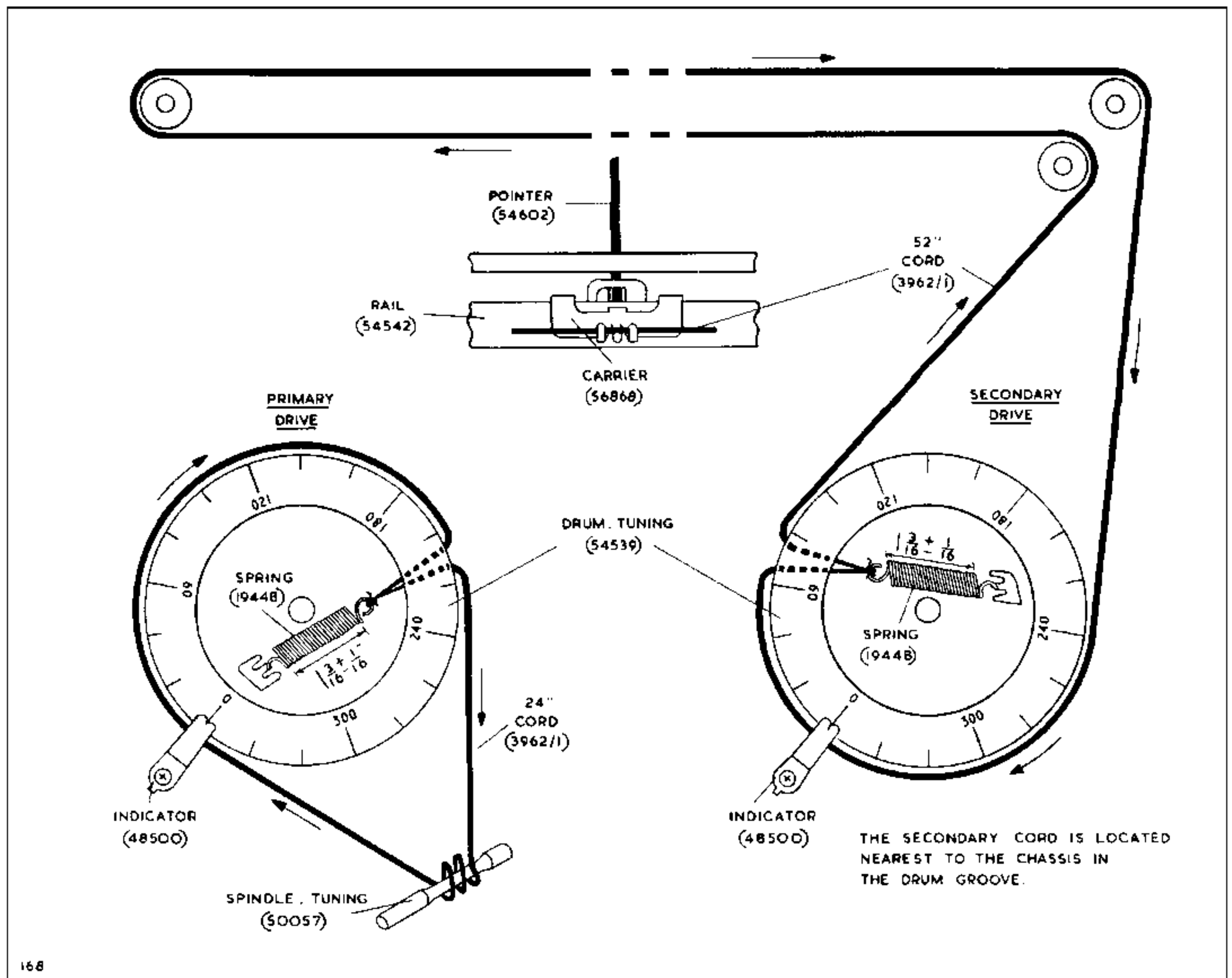


Fig. 4. The cord drives.

## THE CORD DRIVES

**General notes.** To gain access to the cord drives it is necessary to remove the chassis from the cabinet, as described in the Mechanical Notes on page 5. Replacement cords should be stretched before use and for maximum cord life the springs should be extended to  $1\frac{3}{16}$  in.  $\pm$   $\frac{1}{16}$  in. The arrangement of the drive cords is illustrated in Fig. 4.

**Fitting the primary cord.** Tie a 24 in. length of cord (3962/1) to the spring (19448) and hook the spring on to the drum, tuning (54539), as shown in Fig. 4. Thread the cord in the direction of the arrows, clockwise over the drum,  $2\frac{1}{2}$  turns clockwise round the tuning spindle, and back to the drum; of the two cords in the drum groove, this is the further one from the chassis. Pass the free end of the cord through the loop in the spring to which the other end is tied and pull it tight, extending the spring to  $1\frac{3}{16}$  in.  $\pm$   $\frac{1}{16}$  in.; tie the cord securely. Finally, operate the drive a few times through its

full range and, if the spring extension is still within the limits specified, cut off the surplus cord.

**Fitting the secondary cord.** Tie a 52 in. length of cord (3962/1) to the spring (19448) and hook the spring on to the drum, as shown in Fig. 4. Thread the cord in the direction of the arrows, clockwise round the drum, then round the pulleys and back to the drum; of the two cords in the drum groove this is the nearer to chassis. Pass the free end of the cord through the loop in the spring to which the other end is tied and pull it tight, extending the spring to  $1\frac{3}{16}$  in.  $\pm$   $\frac{1}{16}$  in.; tie the cord securely. Finally, operate the drive a few times through its full range and, if the spring extension is still within the limits specified, cut off the surplus cord.

Before refitting the chassis into the cabinet, check that with the ganged capacitor plates fully meshed,  $0^\circ$  on the drum registers with the "V" on the indicator (48500).