

SERVICE MANUAL

PARTS LIST

MODEL GX-635D

AKAI

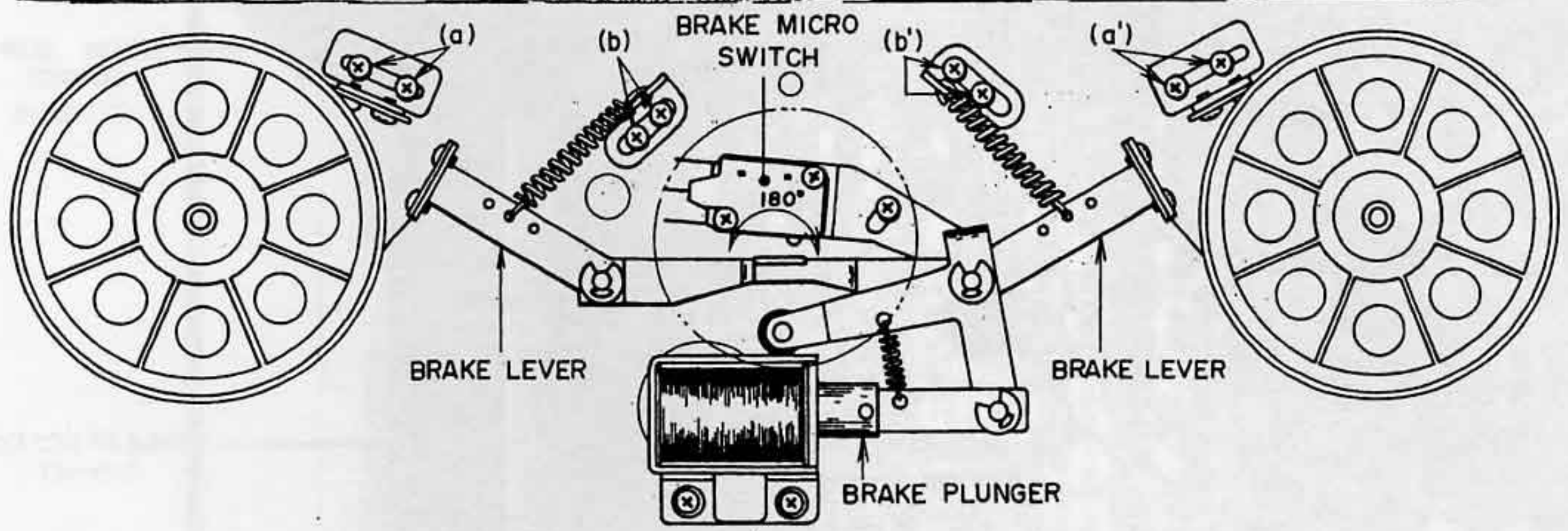


Fig. 11

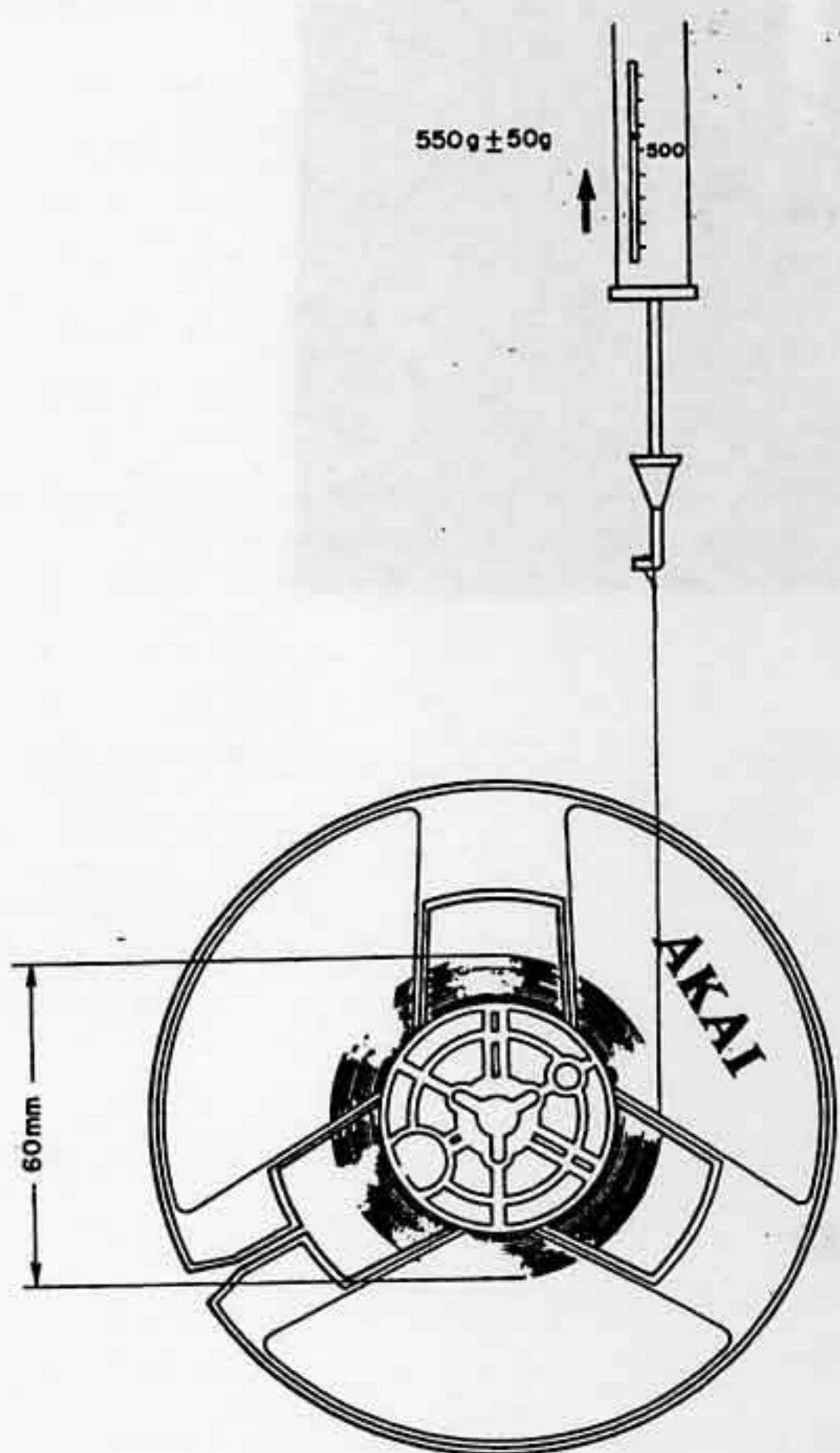


Fig. 12

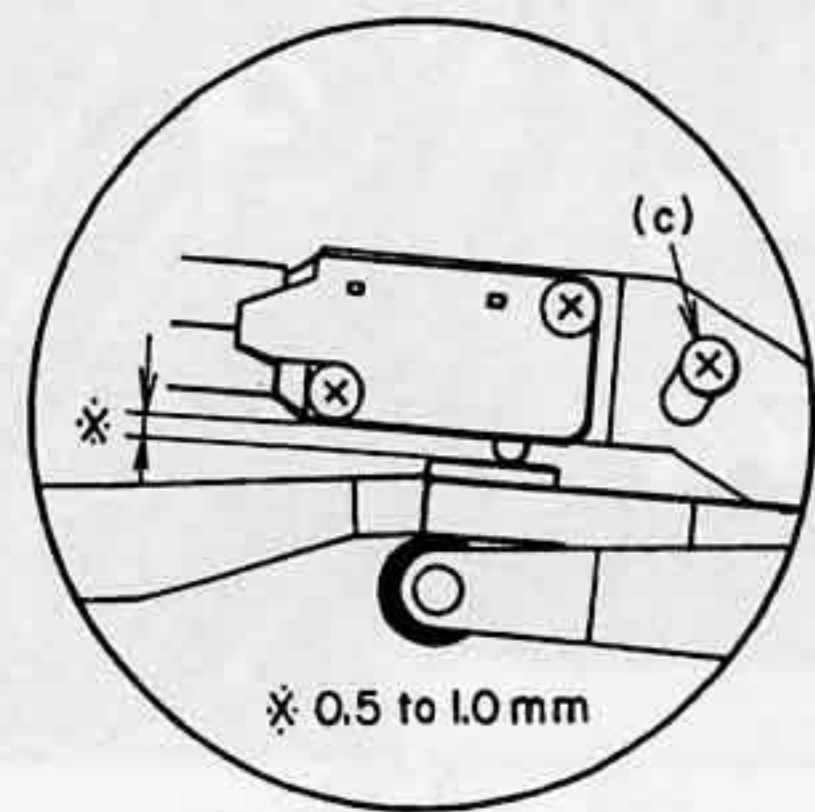


Fig. 13

6. BRAKE BAND POSITION ADJUSTMENT AND BRAKE TENSION ADJUSTMENT

(Refer to Figs. 11 to 13)

- 1) Adjust the brake lever to 180° position by loosening the screws (a) and (a').
- 2) Work the brake plunger to check that the brake band is not slanted.
- 3) Adjust the position of the part with screws (b) and (b') to obtain a brake tension of $550 \pm 50g$ on both brakes at stop mode.
(Use a 1000g spring gauge for a reel with 60 mm diameter of tape.)
In case the specified brake tension cannot be obtained, connect the springs to the other holes on the brake lever and adjust.
- 4) By working the brake plunger with a finger, adjust the position of the microswitch screw (c) so that the gap between the brake lever and the microswitch body is 0.5 to 1.0 mm.

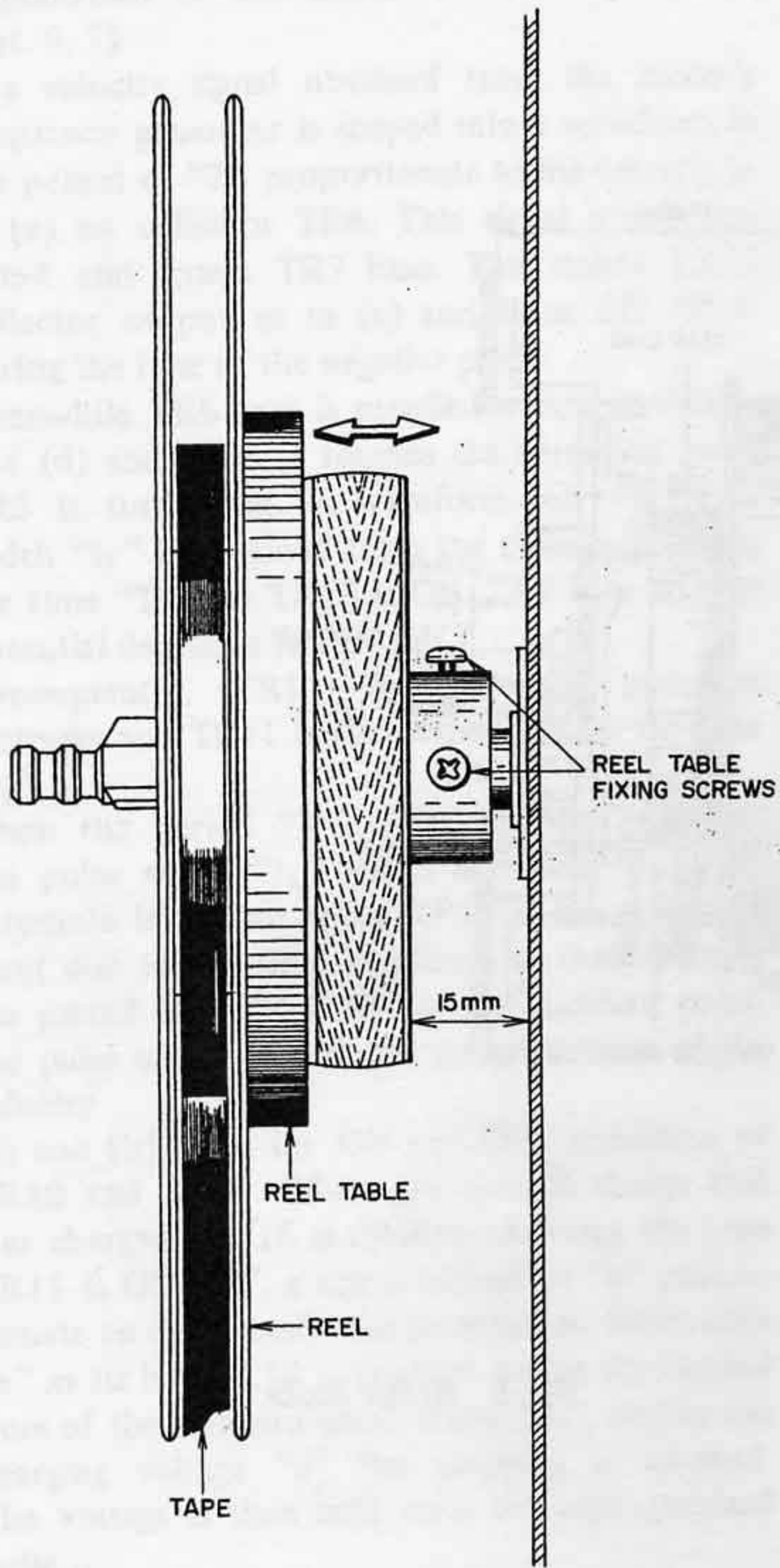


Fig. 9

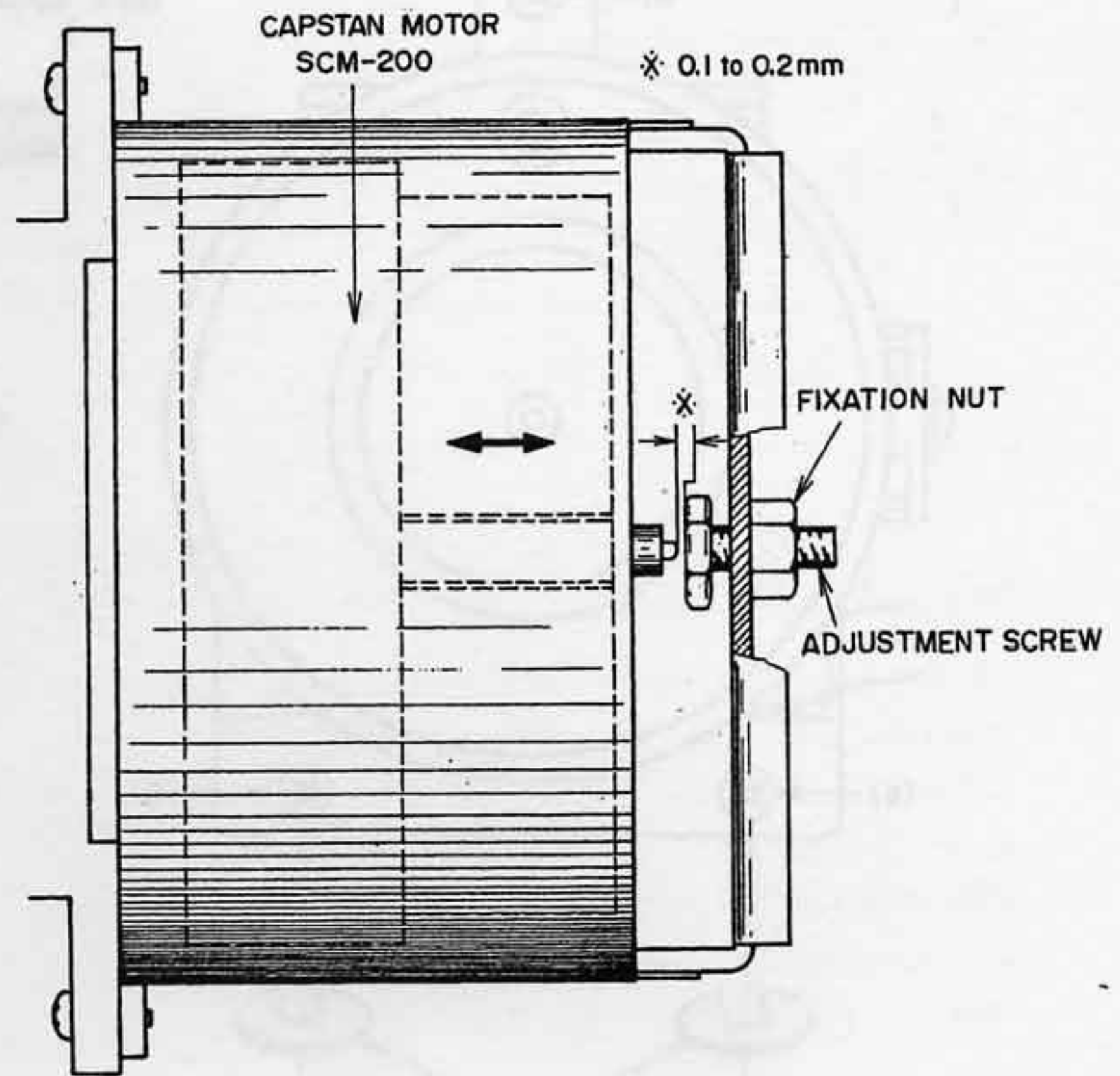


Fig. 10

4. REEL TABLE HEIGHT ADJUSTMENT (Refer to Fig. 9)

- 1) Temporarily screw in the fixing screws leaving a gap of 15 mm between the reel table and the chassis board.
- 2) Run the tape and adjust the height of the reel table so that the tape is taken up in the center of the reel. Tighten fixing screws.
Adjust the height of the right reel table at fast forward, of the left reel table at rewind.

5. CAPSTAN SHAFT LOOSE PLAY ADJUSTMENT (Refer to Fig. 10)

Adjust by turning Adjustment Screw to obtain a 0.1 to 0.2 mm degree of loose play when the capstan shaft is moved as indicated by the arrow mark. Tighten fixation nut to maintain optimum adjusted condition.

VI. MECHANISM ADJUSTMENT

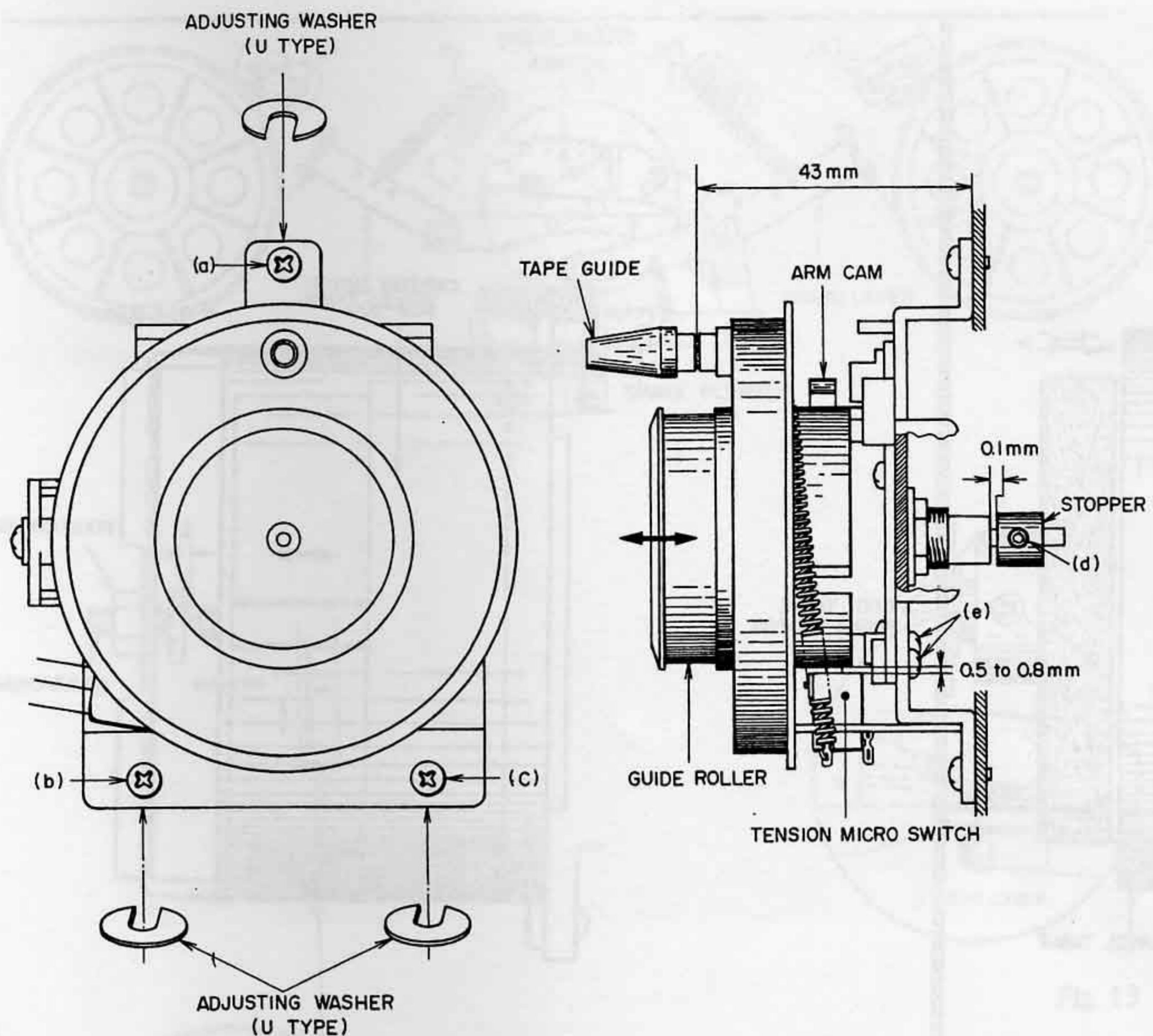


Fig. 8 Roller Block

1. GUIDE ROLLER LOOSE PLAY

ADJUSTMENT (Refer to Fig. 8)

Adjust the stopper (roller pulley on the right) screw (d) so that the loose play gap is approximately 0.1 mm when the guide roller is moved as indicated by arrow mark in Fig. 8.

2. TENSION MICRO SWITCH POSITION

ADJUSTMENT (Refer to Fig. 8)

Adjust the screws (e) so that the gap between the arm cam and the micro switch is approximately 0.5 to 0.8 mm. Check that the micro switch works and that the arm lock smoothly disengages.

3. ROLLER BLOCK HEIGHT

ADJUSTMENT (Refer to Fig. 8)

Use the U type adjusting washers for screws (a), (b), and (c) to adjust the roller block height: the distance between the tape guide center to the chassis board should be 43 mm.

NOTE: Steps 1 and 3 also apply to the right guide roller.

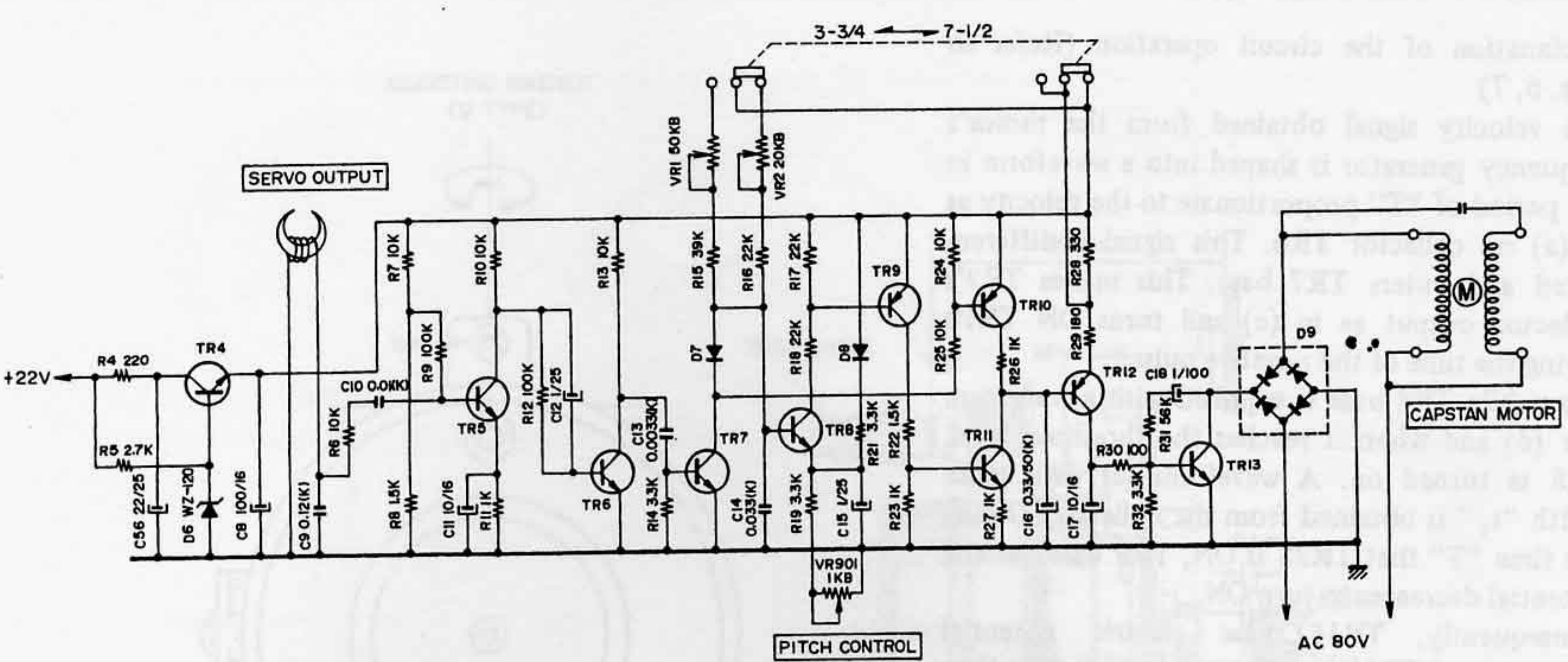


Fig. 6

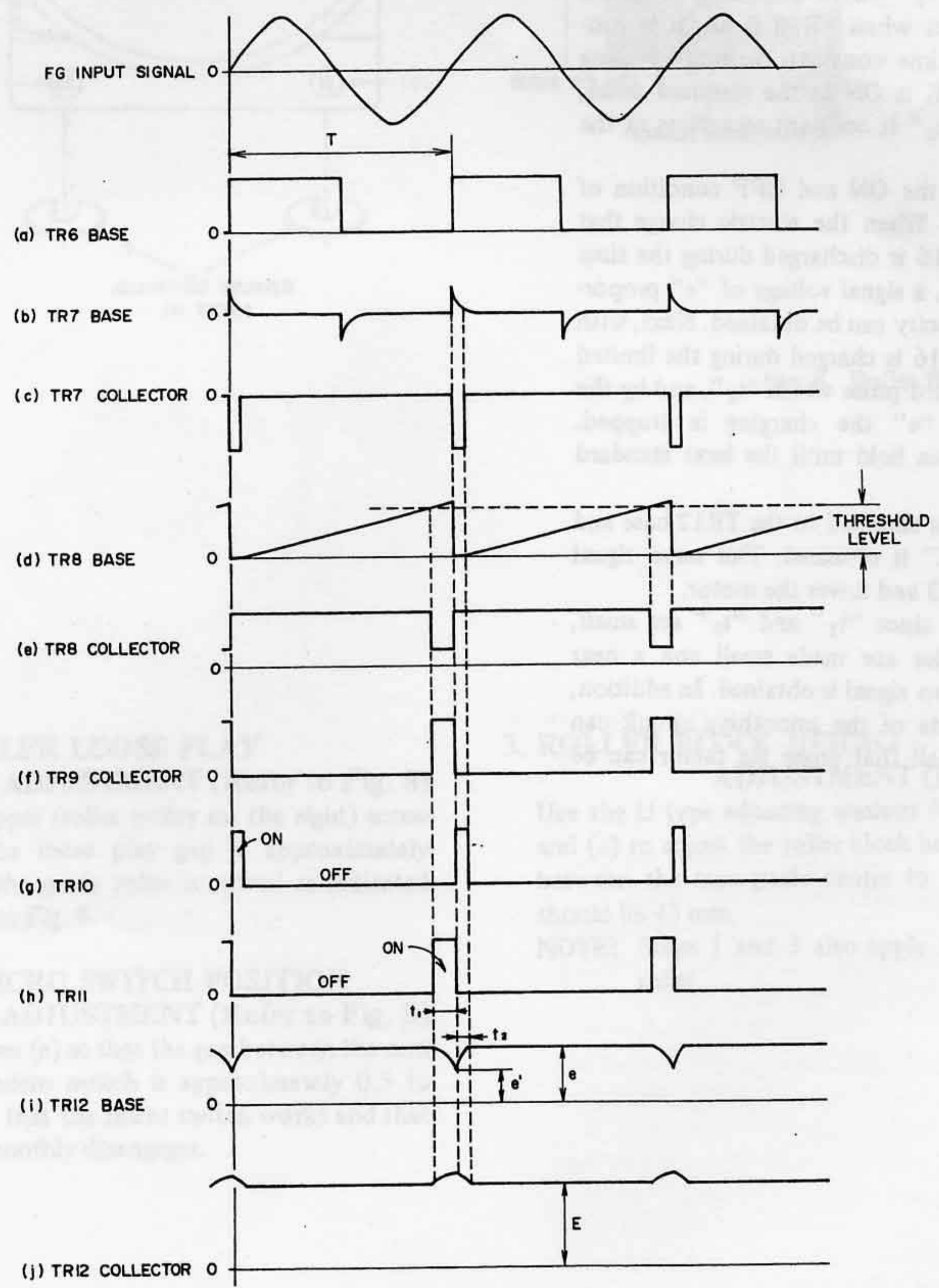
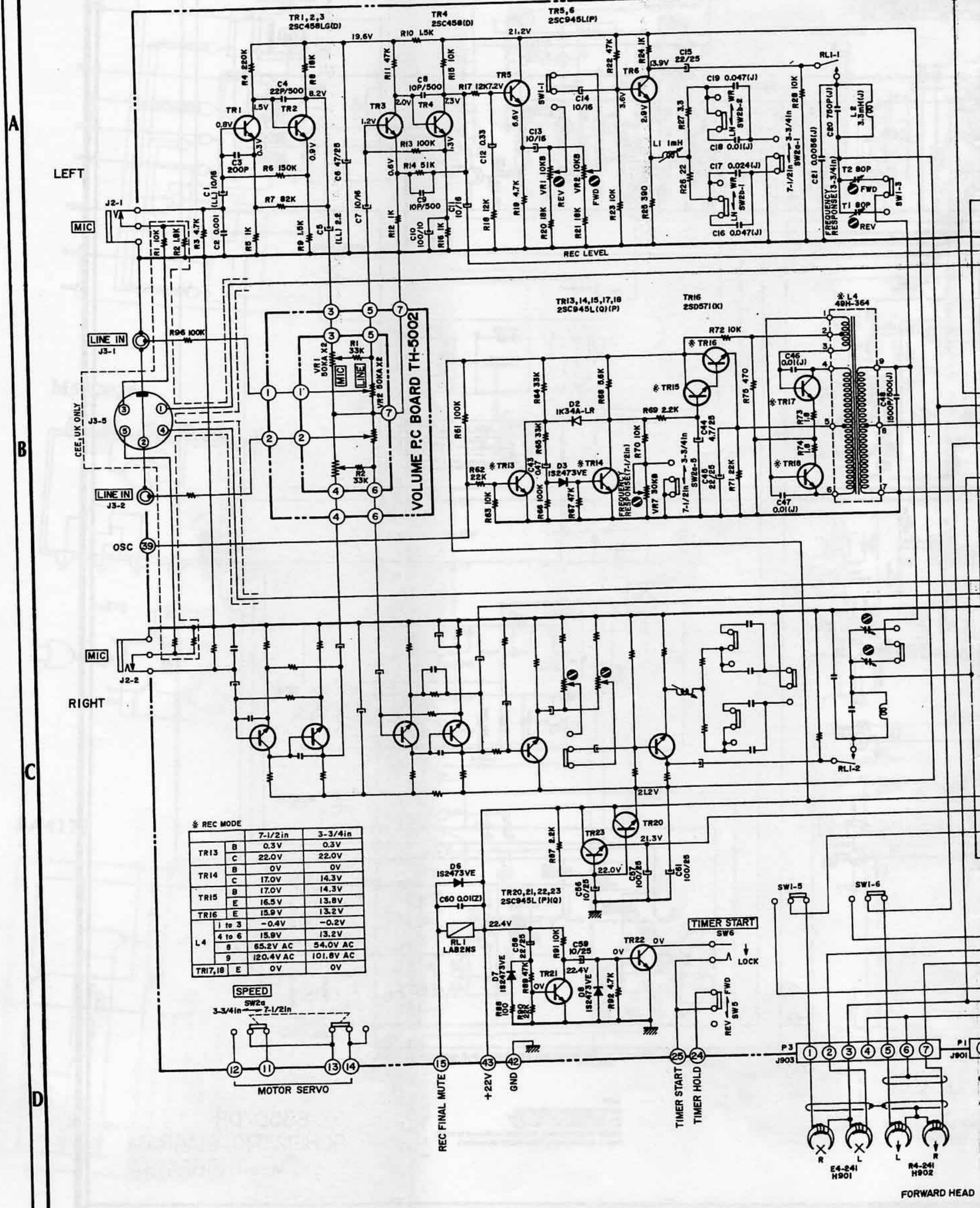
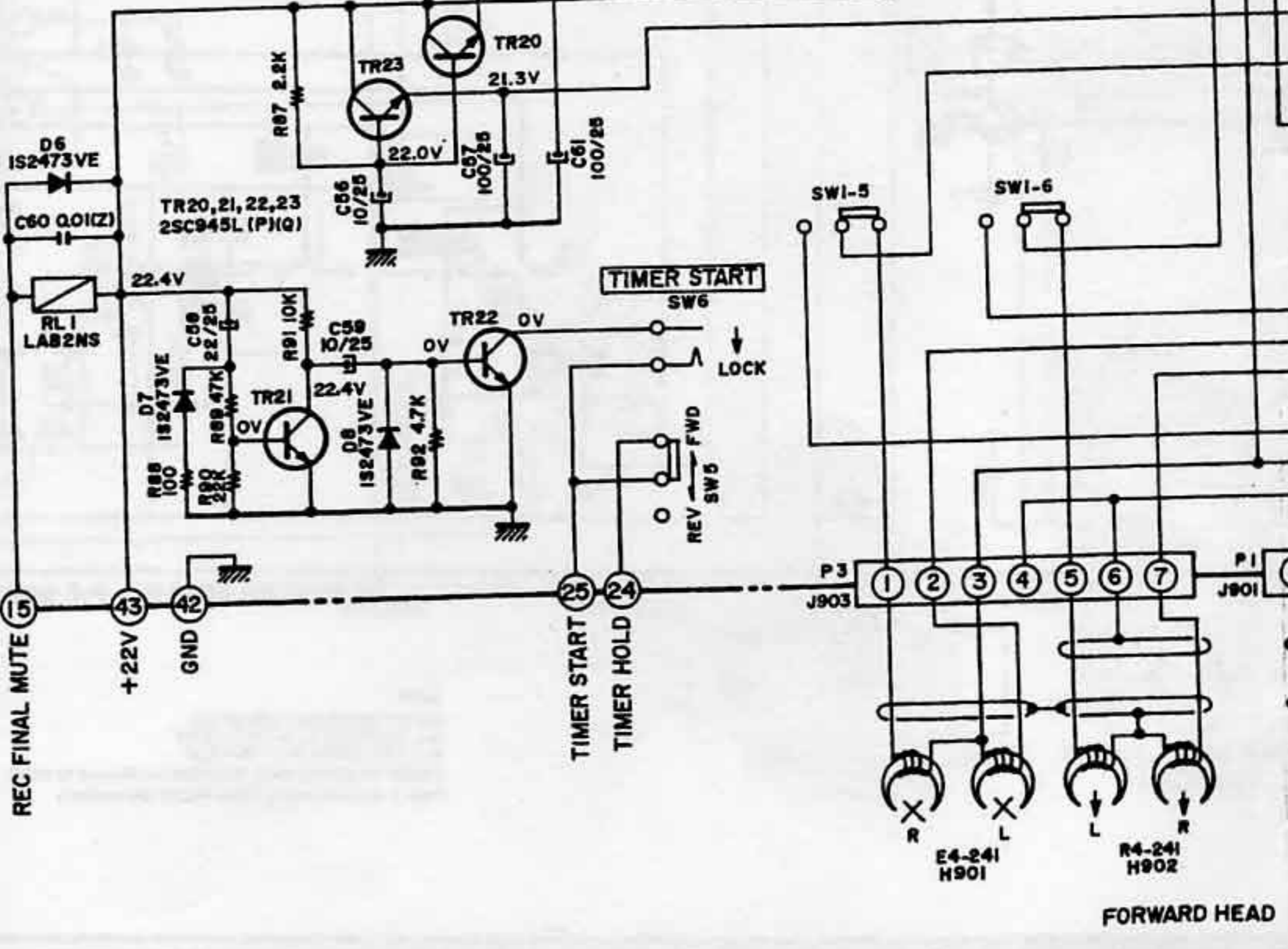
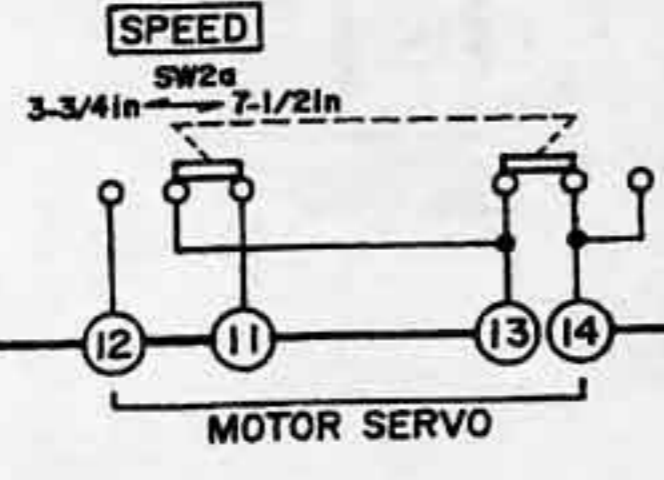


Fig. 7



* REC MODE

		7-1/2in	3-3/4in
TR13	B	0.3V	0.3V
	C	22.0V	22.0V
TR14	B	0V	0V
	C	17.0V	14.3V
TR15	B	17.0V	14.3V
	E	16.5V	13.8V
TR16	E	15.9V	13.2V
L4	1 to 3	-0.4V	-0.2V
	4 to 6	15.9V	13.2V
	8	65.2V AC	54.0V AC
TR17,18	9	120.4V AC	101.8V AC
	E	0V	0V



LEFT

RIGHT

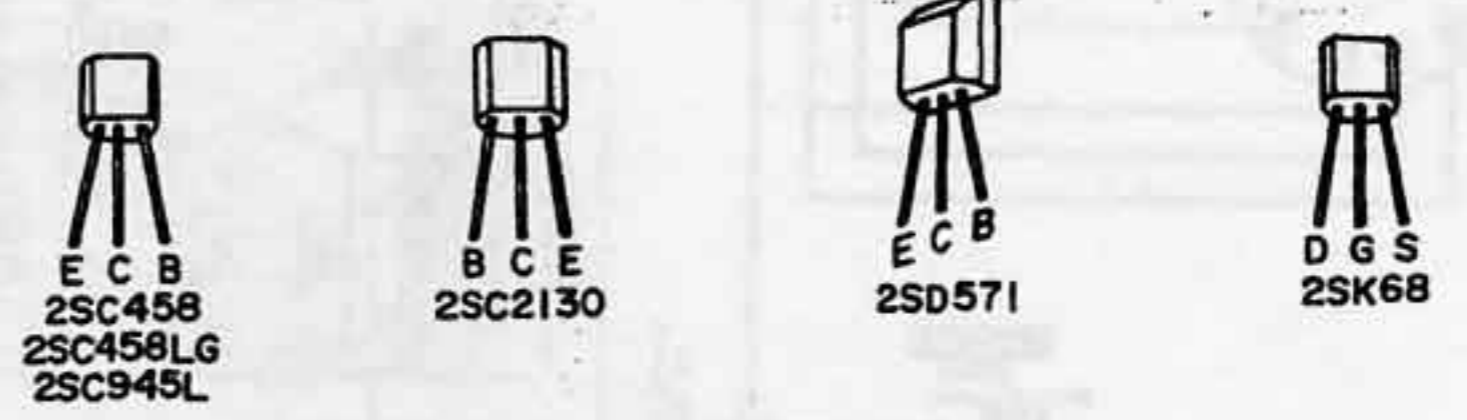
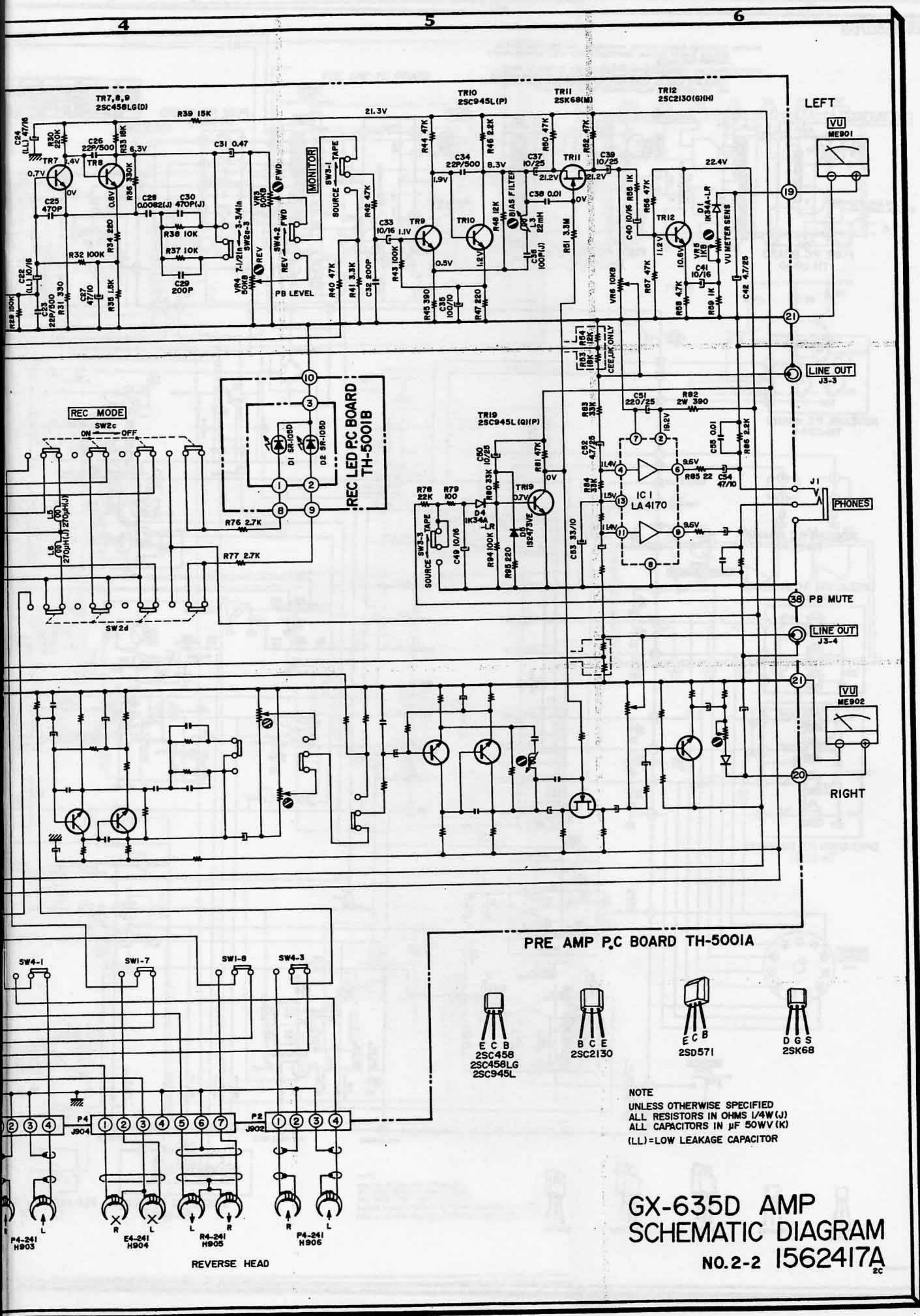
VOLUME PC BOARD TH-5002

A

B

C

D



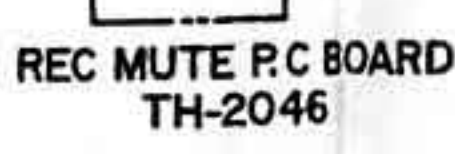
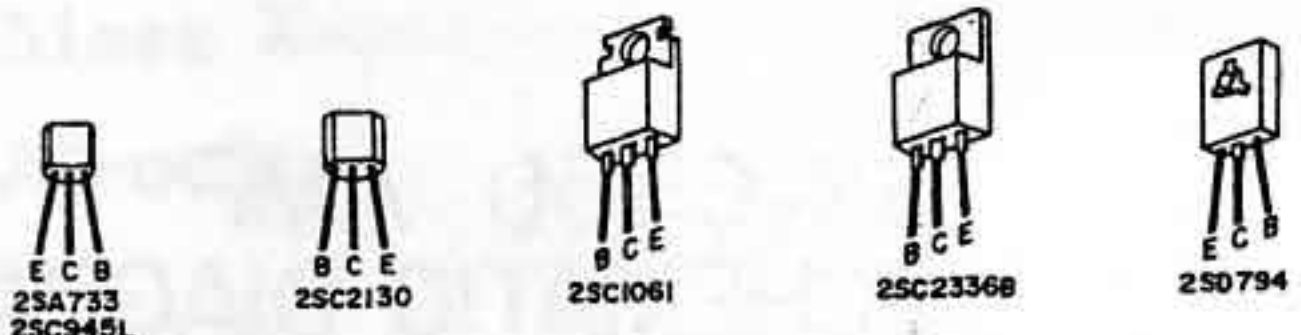
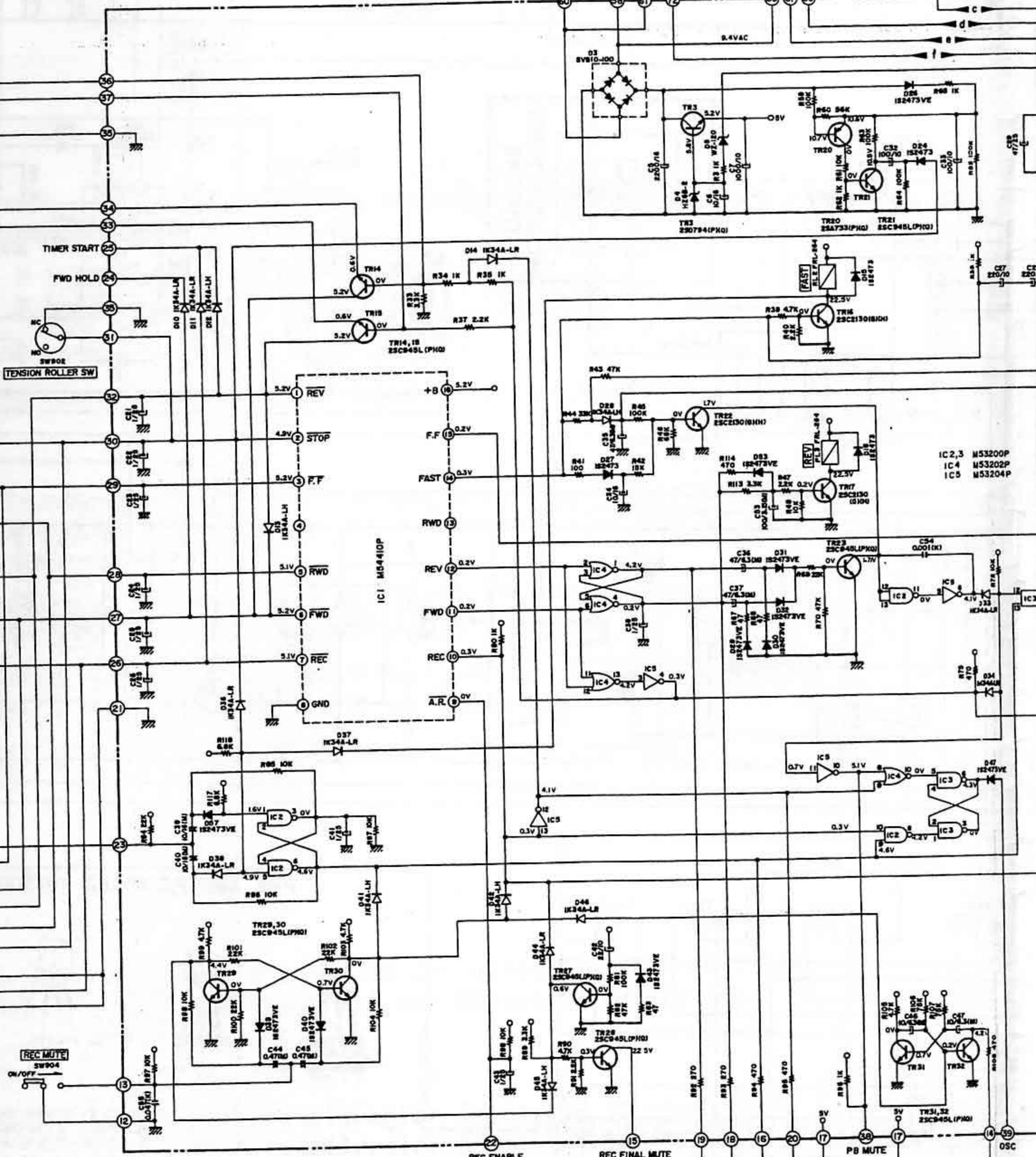
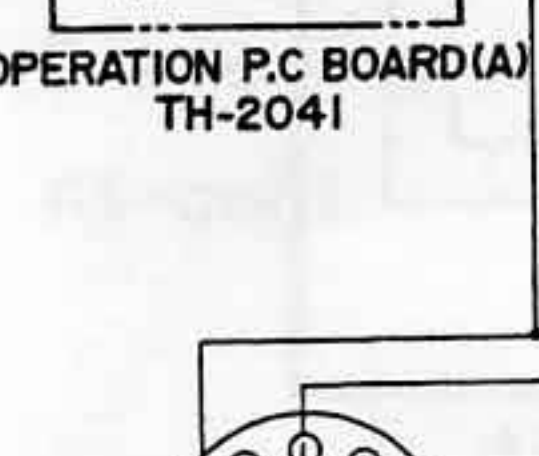
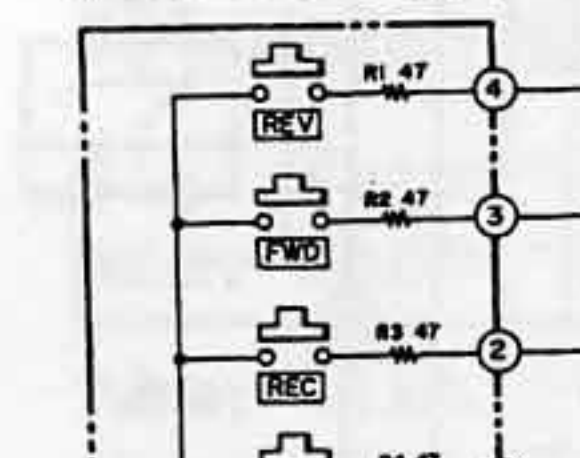
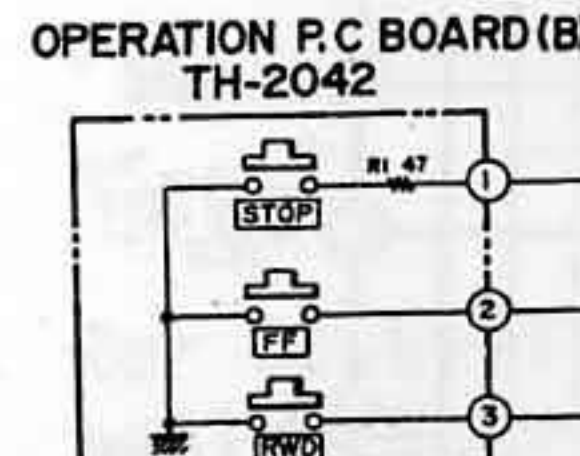
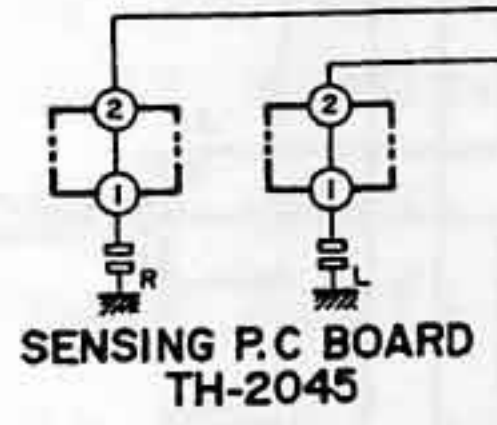
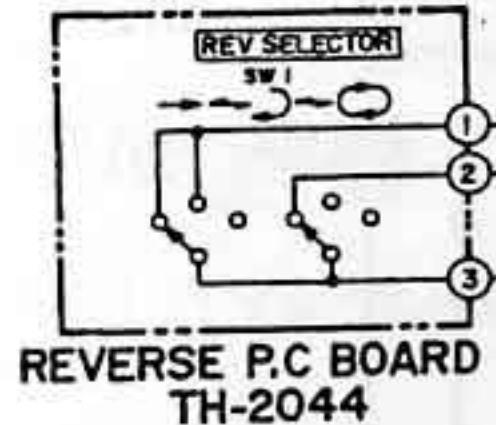
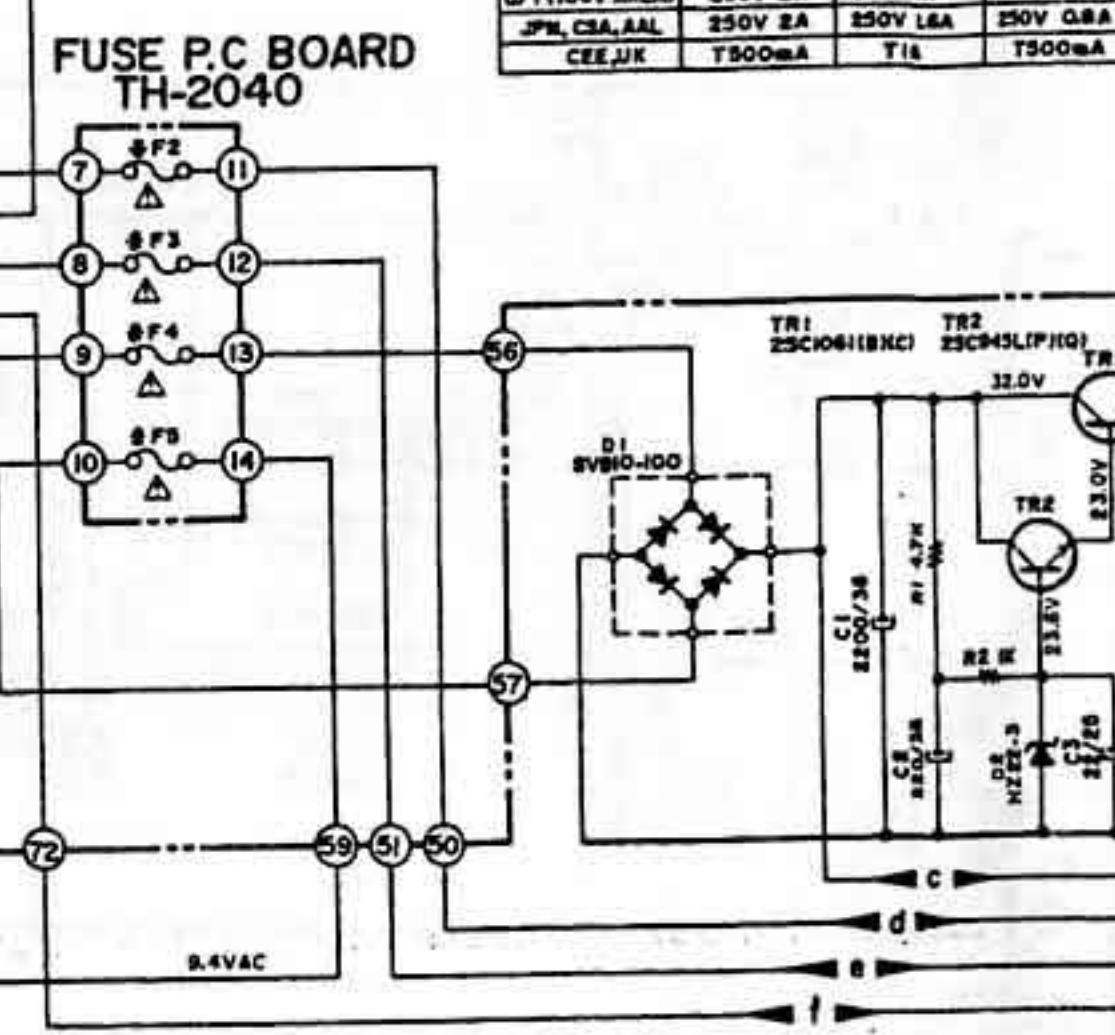
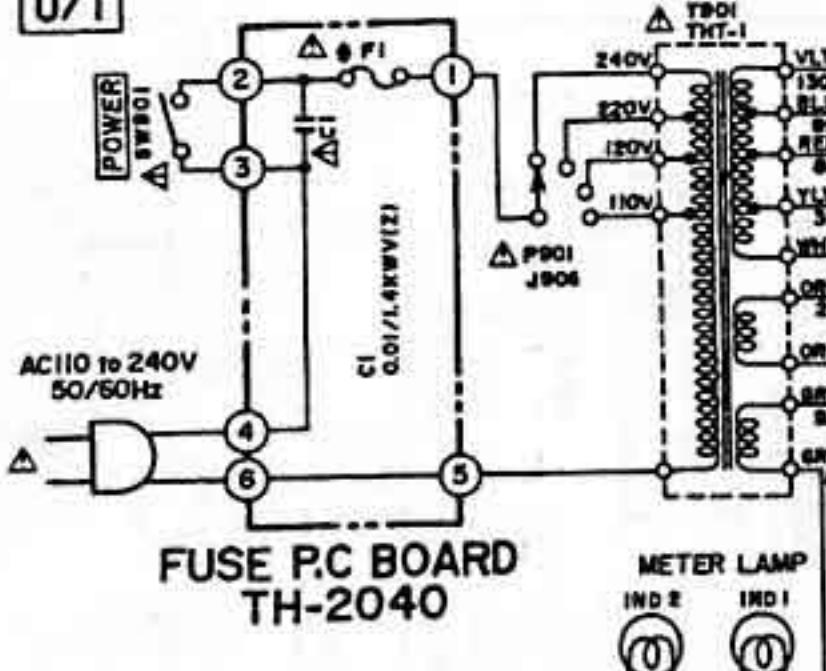
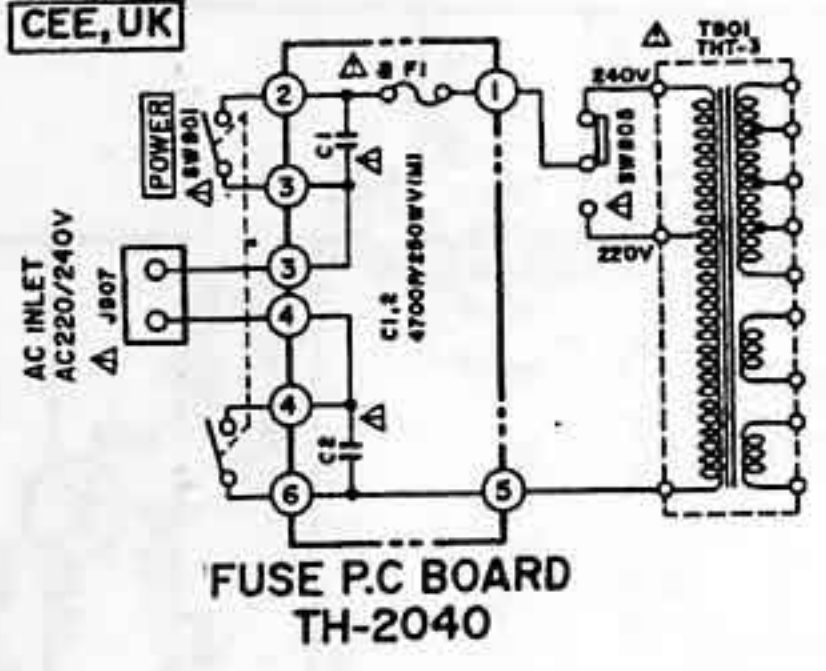
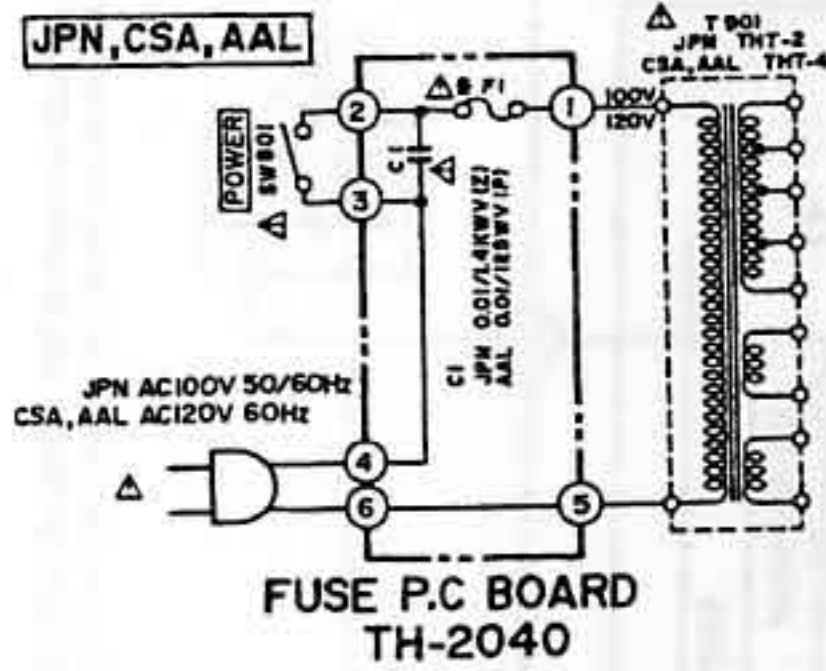
NOTE
 UNLESS OTHERWISE SPECIFIED
 ALL RESISTORS IN OHMS 1/4W (J)
 ALL CAPACITORS IN μF 50WV (K)
 (LL)=LOW LEAKAGE CAPACITOR

**GX-635D AMP
 SCHEMATIC DIAGRAM
 NO.2-2 1562417A**

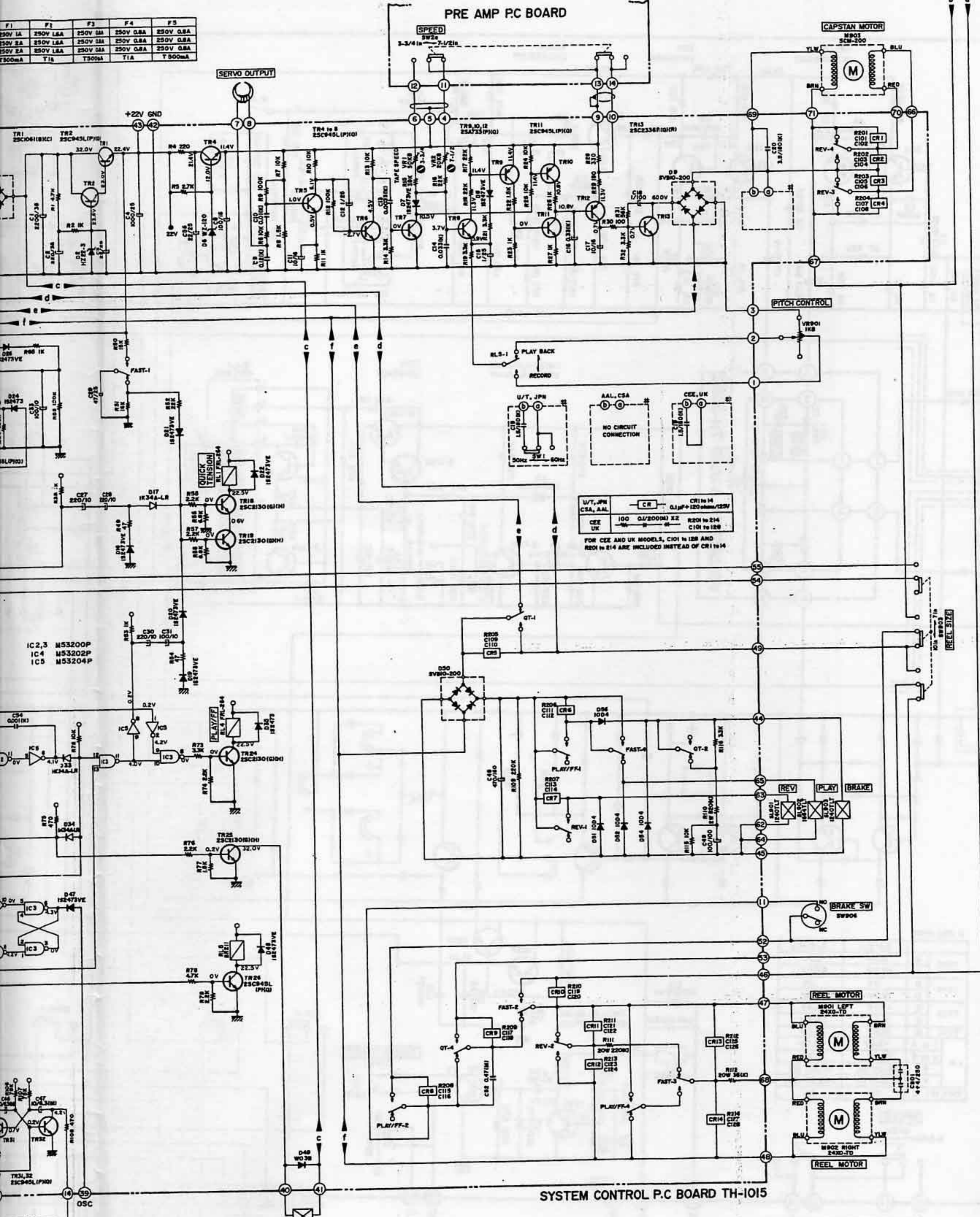
GX-635D/DB

WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.
 AVERTISSEMENT: Δ IL INDIQUE LES COMPOSANTS CRITIQUES DE SURETE. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT

S	F1	F2	F3
U/T (200V AREA)	E50V 1A	E50V 1.6A	E50V 0.8A
U/T (100V AREA)	E50V 2A	E50V 1.6A	E50V 0.8A
JPN, CSA, AAL	E50V 2A	E50V 1.6A	E50V 0.8A
CEE, UK	T500mA	T16	T500mA



F1	F2	F3	F4	F5
250V 1A	250V 1.5A	250V 2A	250V 3A	250V 5A
250V 10A	250V 15A	250V 20A	250V 25A	250V 30A
250V 35A	250V 40A	250V 45A	250V 50A	250V 55A
250V 60A	250V 65A	250V 70A	250V 75A	250V 80A
250V 85A	250V 90A	250V 95A	250V 100A	



DC MUTE P.C. BOARD TH-2046

NOTE
 UNLESS OTHERWISE SPECIFIED
 ALL RESISTORS IN OHMS (Ω) OR KΩ (K)
 ALL CAPACITORS IN μF (μ) OR pF (P)
 POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA
 (—) MARK INDICATES NON POLAR CAPACITORS

GX-635D/DB
 SCHEMATIC DIAGRAM
 No.2-1 1562416A

VII. HEAD ADJUSTMENT

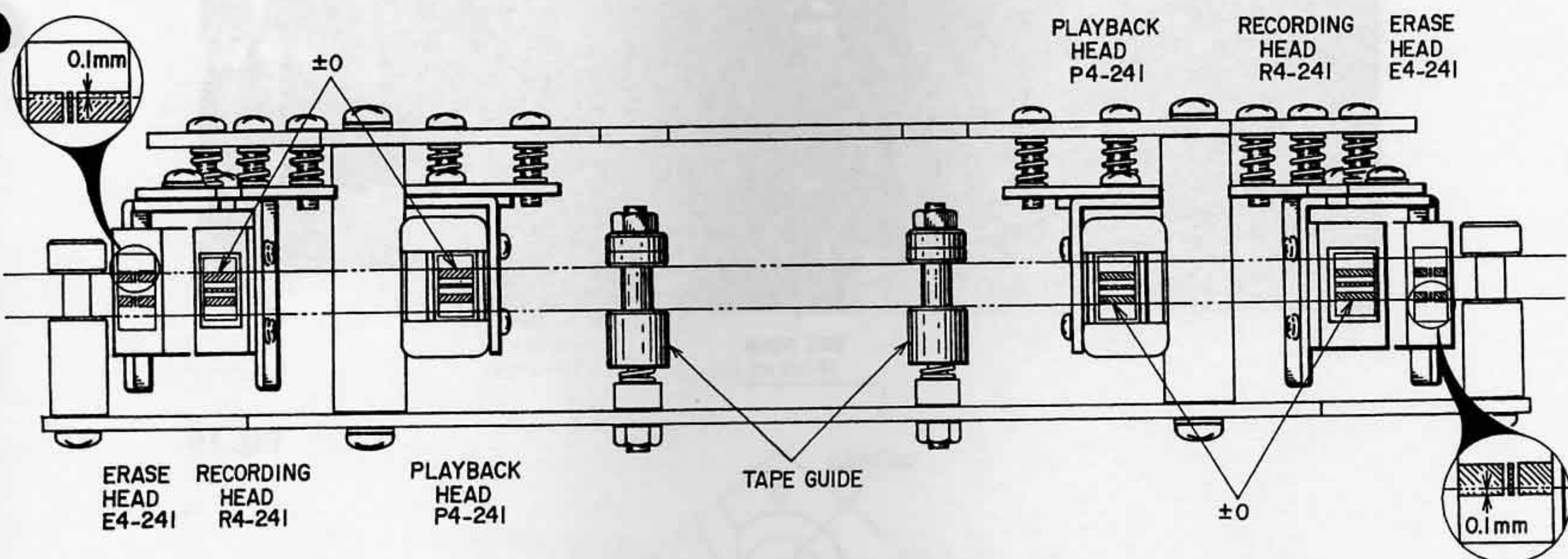
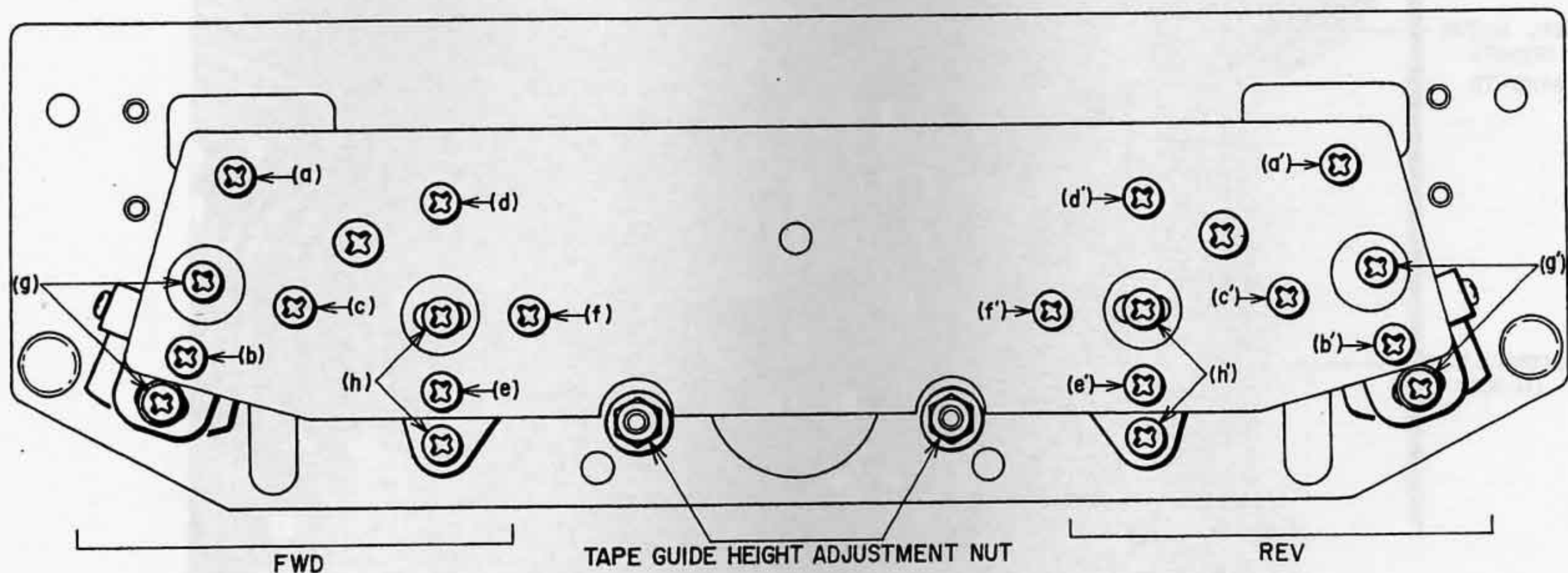


Fig. 17

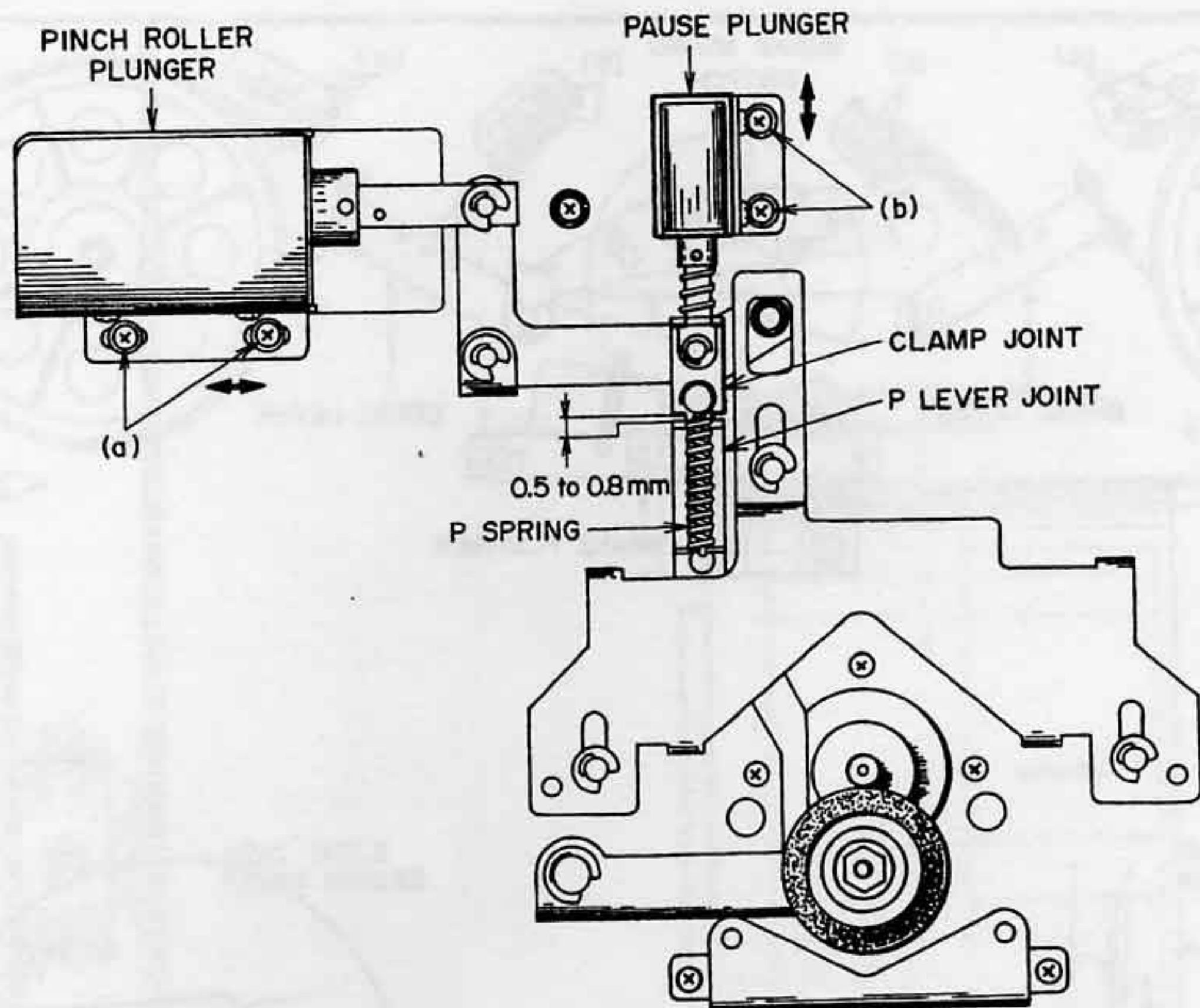


Fig. 14

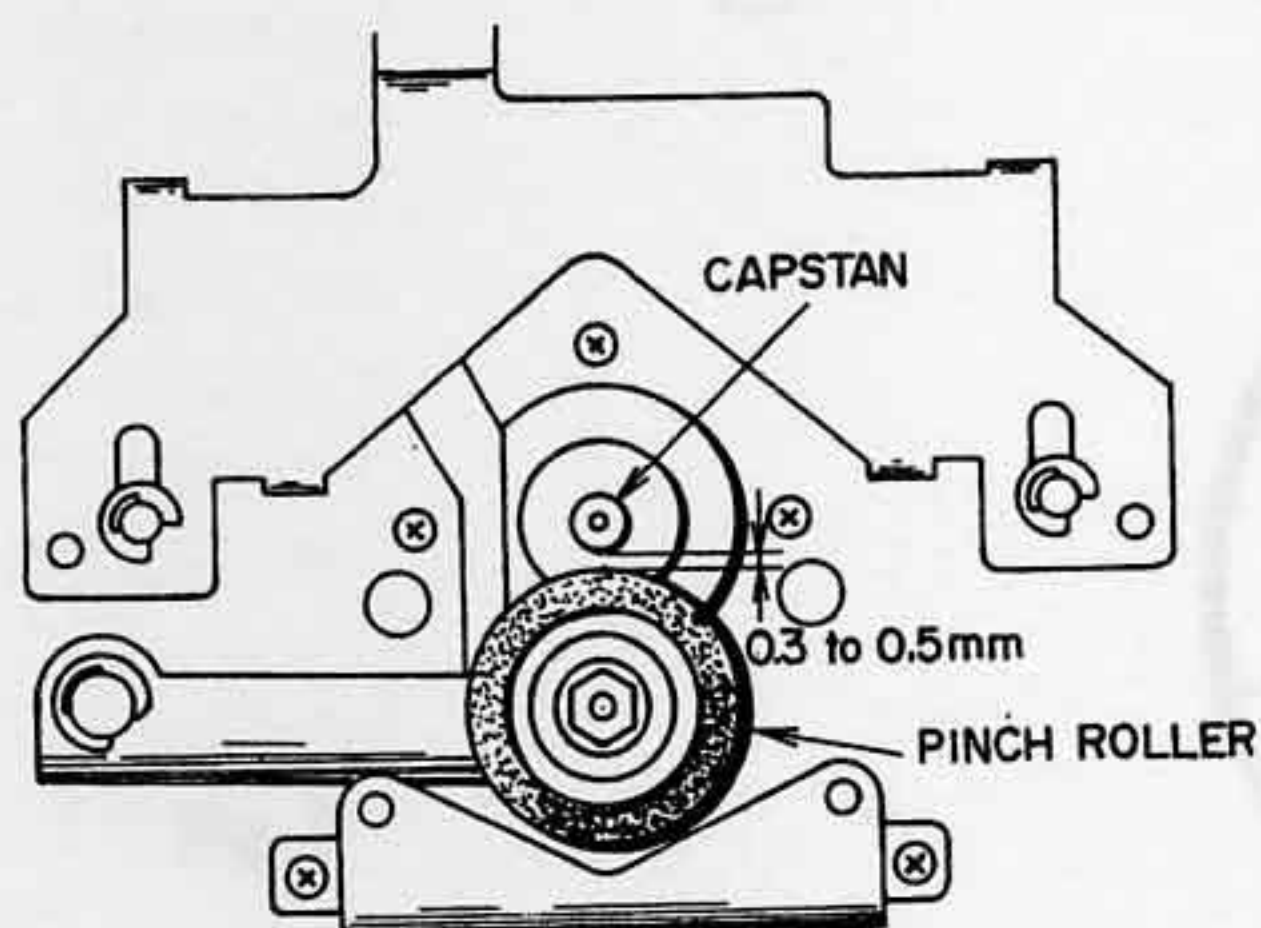


Fig. 15

7. PINCH ROLLER POSITION

ADJUSTMENT (Refer to Fig. 14)

At the play mode, the gap between the clamp joint and the P lever joint should be 0.5 to 0.8 mm. Adjust the pinch roller plunger position with screws (a).

8. PAUSE PLUNGER POSITON

ADJUSTMENT (Refer to Figs. 14, 15)

At the pause mode, the gap between the capstan and the pinch roller should be 0.3 to 0.5 mm. Adjust the pause plunger position with screws (b).

9. PINCH ROLLER PRESSURE

ADJUSTMENT

Connect a 2 kg spring gauge to the pinch roller fixing screws. Pull down the pinch roller and then let it slowly move back. Check that the spring gauge reads $1.2 \text{ kg} \pm 200\text{g}$ at the moment the pinch roller touches the capstan and starts rolling. If it reads otherwise, replace the P spring (See Fig. 14).