

ELECTRONIC RHYTHM INSTRUMENT

RHYTHM ACE

model FR-1

SERVICE NOTE

ACE ELECTRONICS INDUSTRY INC.

RHYTHM ACE FR-1

MAIN FEATURES

Rhythm Selectors 16

Patterns

WALTZ
DIXIELAND
WESTERN
ROCK'N ROLL
SLOW ROCK
BOSSANOVA
FOXTROT
SWING
TANGO
BEGUINE
RHUMBA
SAMBA
MAMBO
CHA-CHA
SHUFFLE
MARCH

Percussive Sounds 10

BASS DRUM
LOW CONGA
LOW BONGO
HIGH BONGO
COW BELL
CLAVES
SNARE DRUM
GYMBAL
MARACAS
BRUSH

CANCEL PUSH BUTTON SWITCH
VOLUME CONTROL KNOB WITH SWITCH
TEMPO CONTROL KNOB
START PUSH BUTTON SWITCH

Pilot lamp

Tempo lamp

High-output jack

Low-output jack

Foot switch jack for starting

Manual rhythm connector

Transistor

26X2SB-171 3X2SB-175 8X25C-183 1X2SC-401

Diode

107XSM0150SS

117 or 220 volt 50/60 cycle

Fuse 1A-250V

Dimension 544X220X189m/m

Weight 7kg

Method of Use:

The back cover (A) is opened and the power cord (B) is taken out, while the plug is inserted into the electric source.

The attached cord is connected to the amplifier near at hand.

In case a high-gain amplifier is used, it is to be connected to Low (C).

In case an amplifier with no much gain is used, it is connected to High (D). Take care not to connect reversely.

(Fig. 1)

As the plug (G) in Fig. 2 is turned to the right, the electric source is switched on, and the pilot lamp (H) is lighted.

The button of desired rhythm of the rhythm selector (K) is pressed and the start button is pressed, percussive rhythm is began to be played, and, in accordance with the tempo, the tempo lamp (M) is put on or off.

As the plug (N) of the tempo regulator is turned further to the right, the tempo will become faster.

The speed figures indicate the number of bars per minute.

In case the bass drum, cow, bell, claves and cymbal are not required for playing, the button for the respective instruments, indicated on the cancel button (P) is pressed, when the sounds of the instrument not required cease to make any sound.

The plug of the volume regulator (G) is adjusted in such a way that rhythms may be played with an appropriate volume.

In case the playing of rhythm is to be stopped, press the start switch (L) once more, and, then, detach the finger from it, when playing is stopped.

In case it is so desired that the start switch be opened or closed by foot, the foot switch cord attached is to be inserted into the start jack (F), provided on the back side of this apparatus.

Method of Adjustment:

In case the number of tempos is out of order, the necessary adjustment may be made by turning VR₁ and VR₃, respectively, by small degrees.

(Fig. 3, Fig. 4)

When the length of sounds is found too long or too short, VR may be adjusted according to the following combinations. In case it is turned to the right, the sound will become short, and in case it is turned to the left direction, it will become long.

(Fig. 5, Fig. 6)

Bass Drum	VR ₄
Low Conga	VR ₅
Low Bongo	VR ₆
High Bongo	VR ₇

Cow Bell

VR₈ VR₉

Claves

VR₁₀

In case the sound of Snare Drum, Cymbal, Maracas, and Brush is found to be too large or too small, adjustment is to be made by use of VR₁₁.

If this is turned to the right, the sound will become large, and if turned reversely, it will become small.

(Fig. 5, Fig. 6)

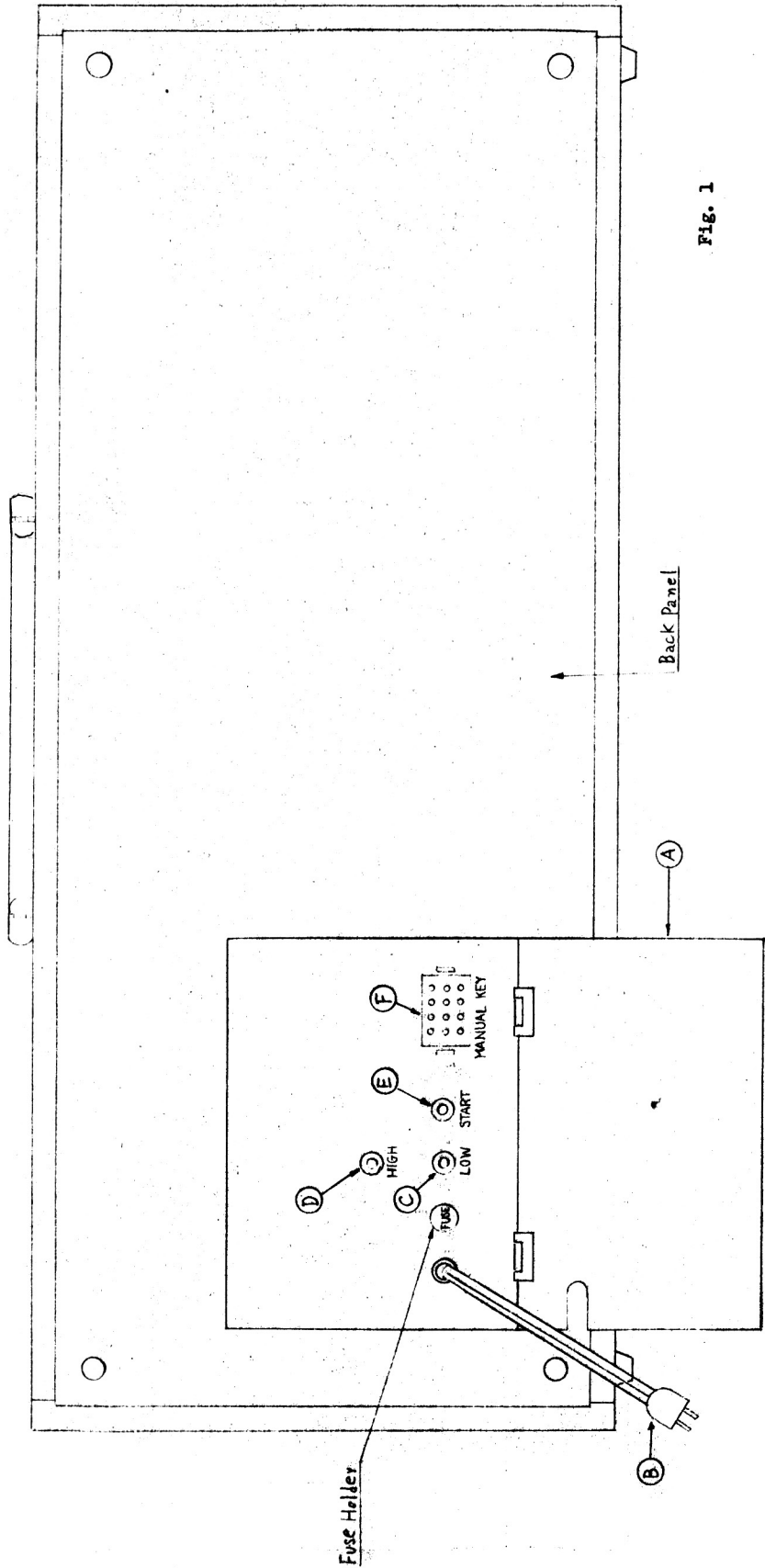


Fig. 1

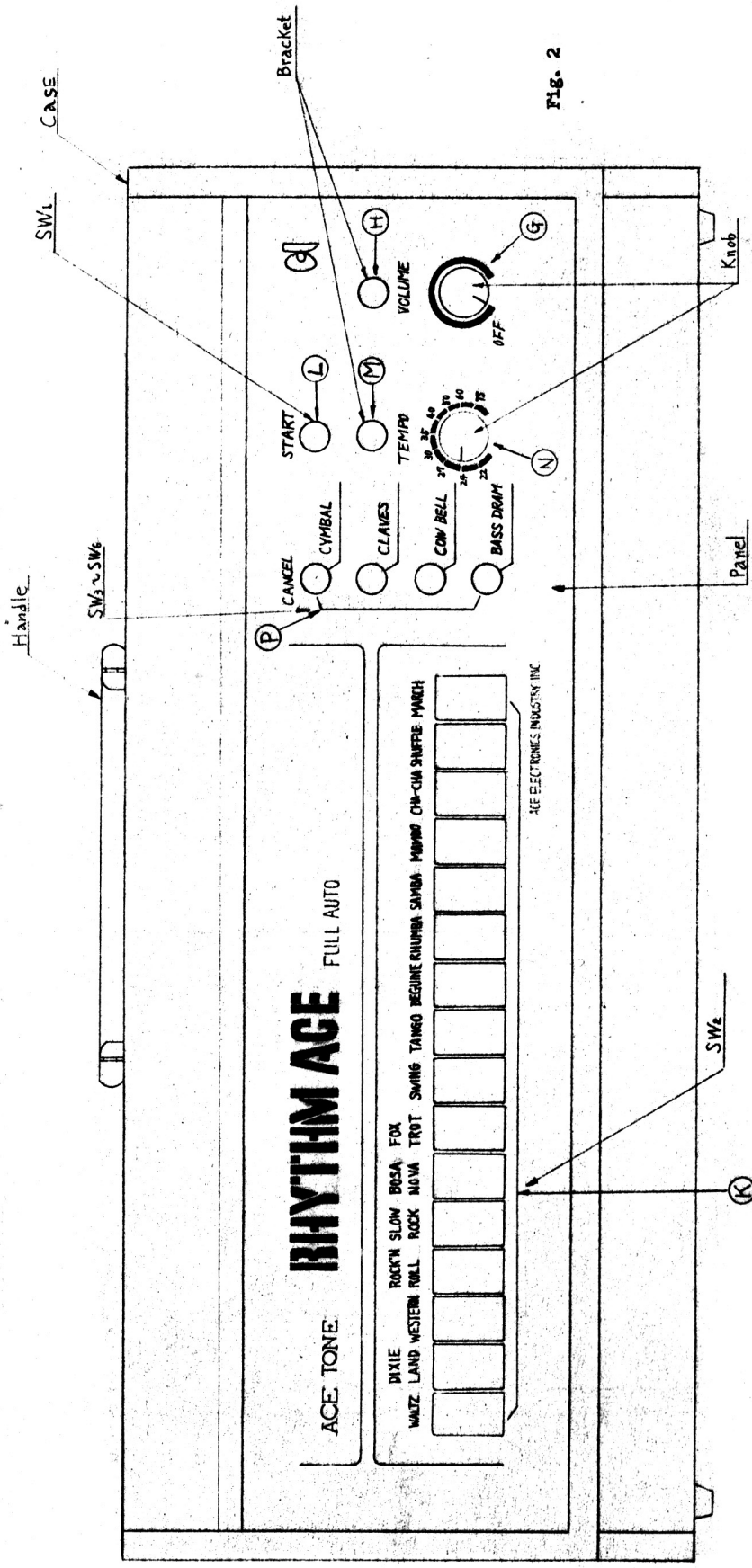


FIG. 2

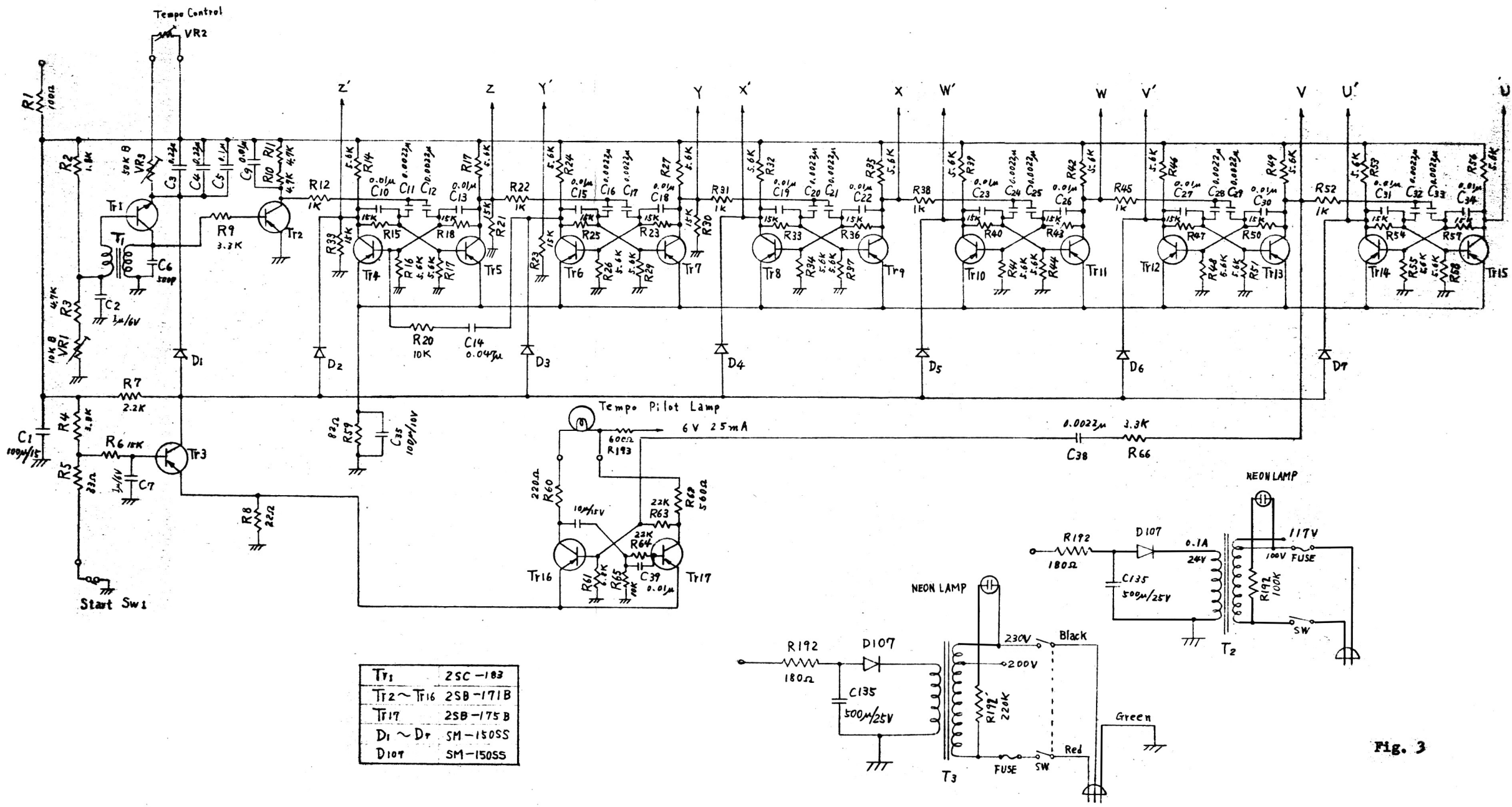


Fig. 3

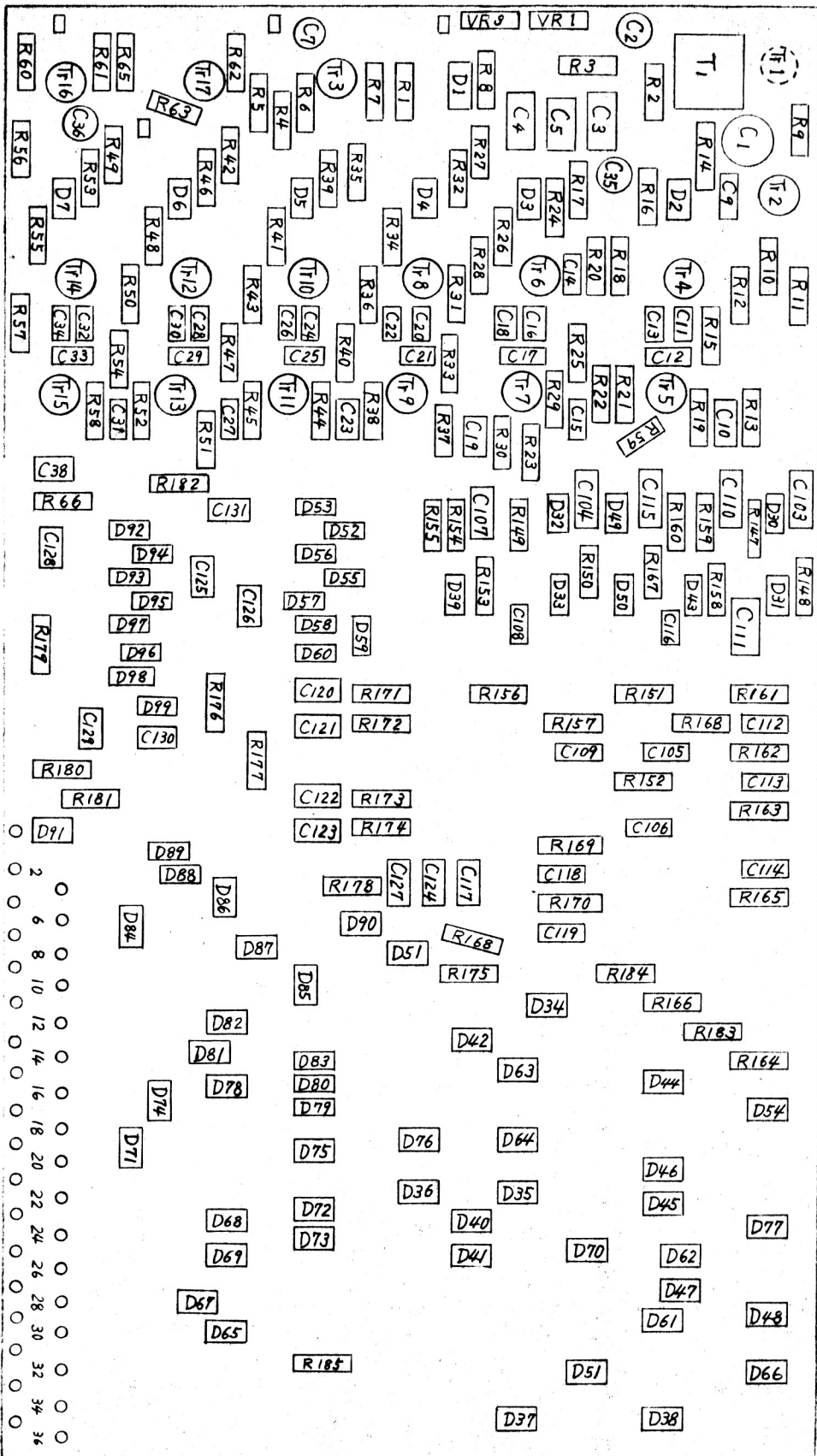
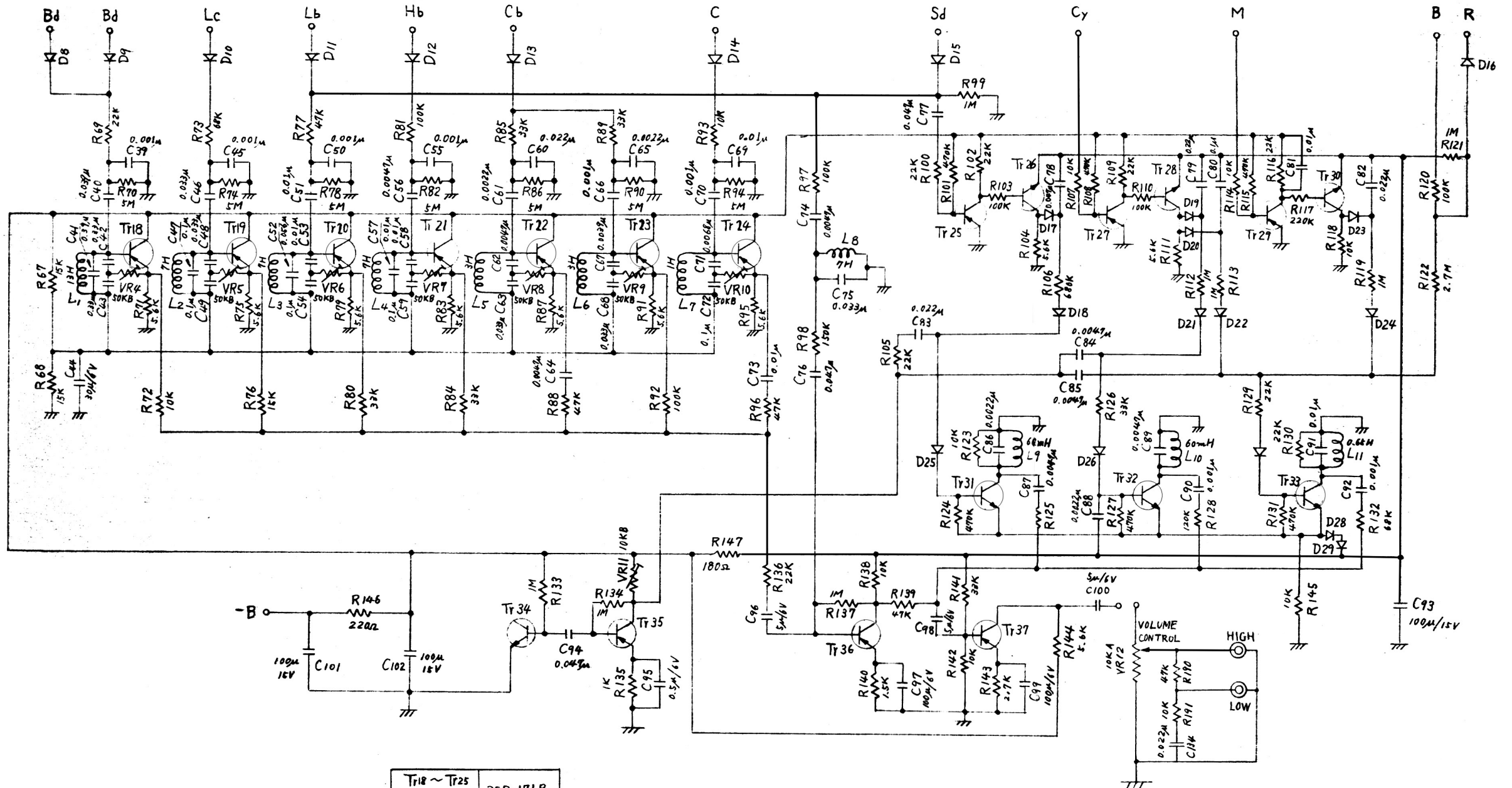


FIG. 4



Tf18 ~ Tf25	2SB-171 B
Tf27 Tf29 Tf36	2SB-171 B
Tf26 Tf28 Tf30	2SC-183
Tf30 ~ Tf33	2SC-183
Tf34	2SC-401
Tf35 Tf37	2SB-175B
D8 ~ D29	SM-150SS

Fig. 5

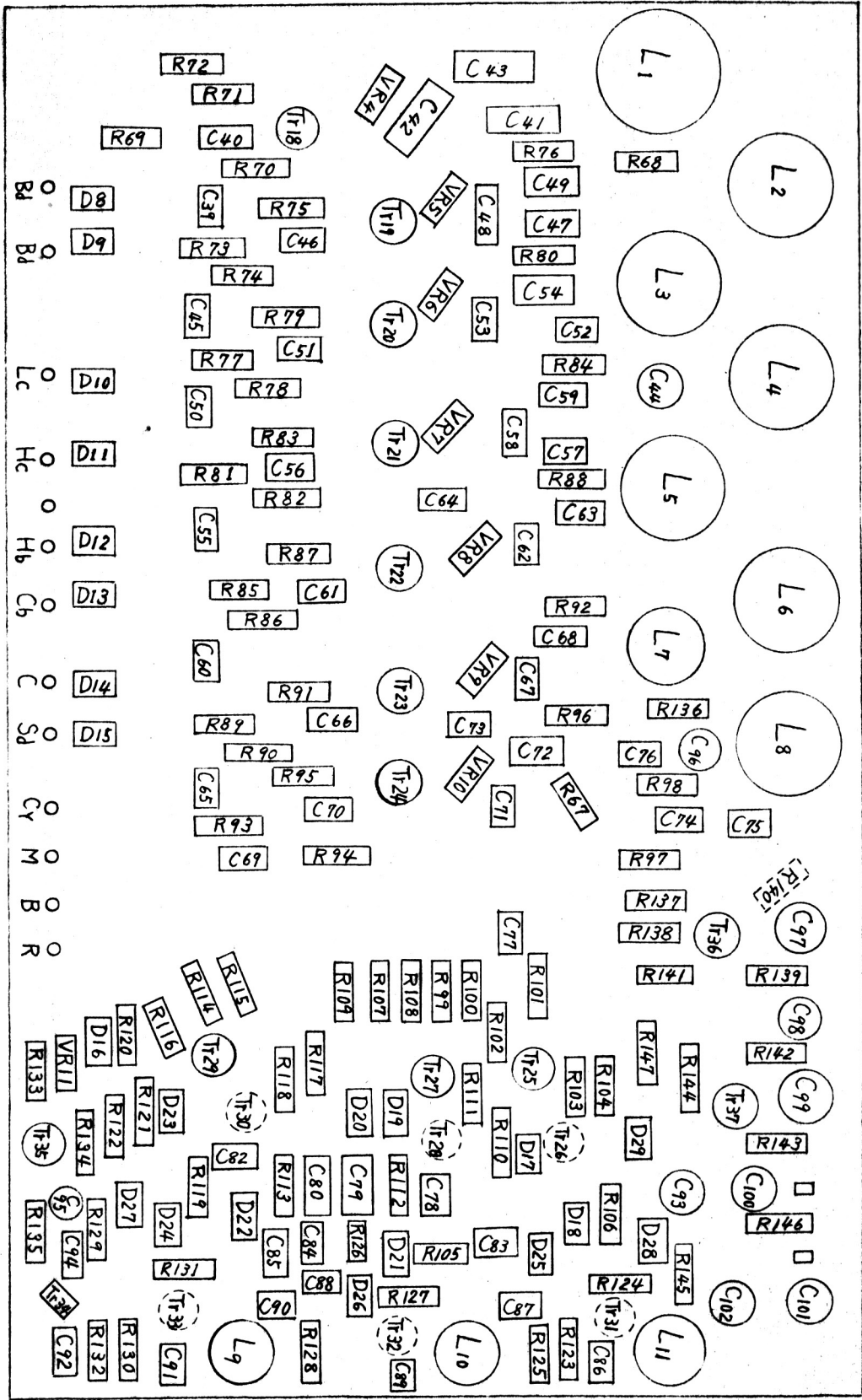
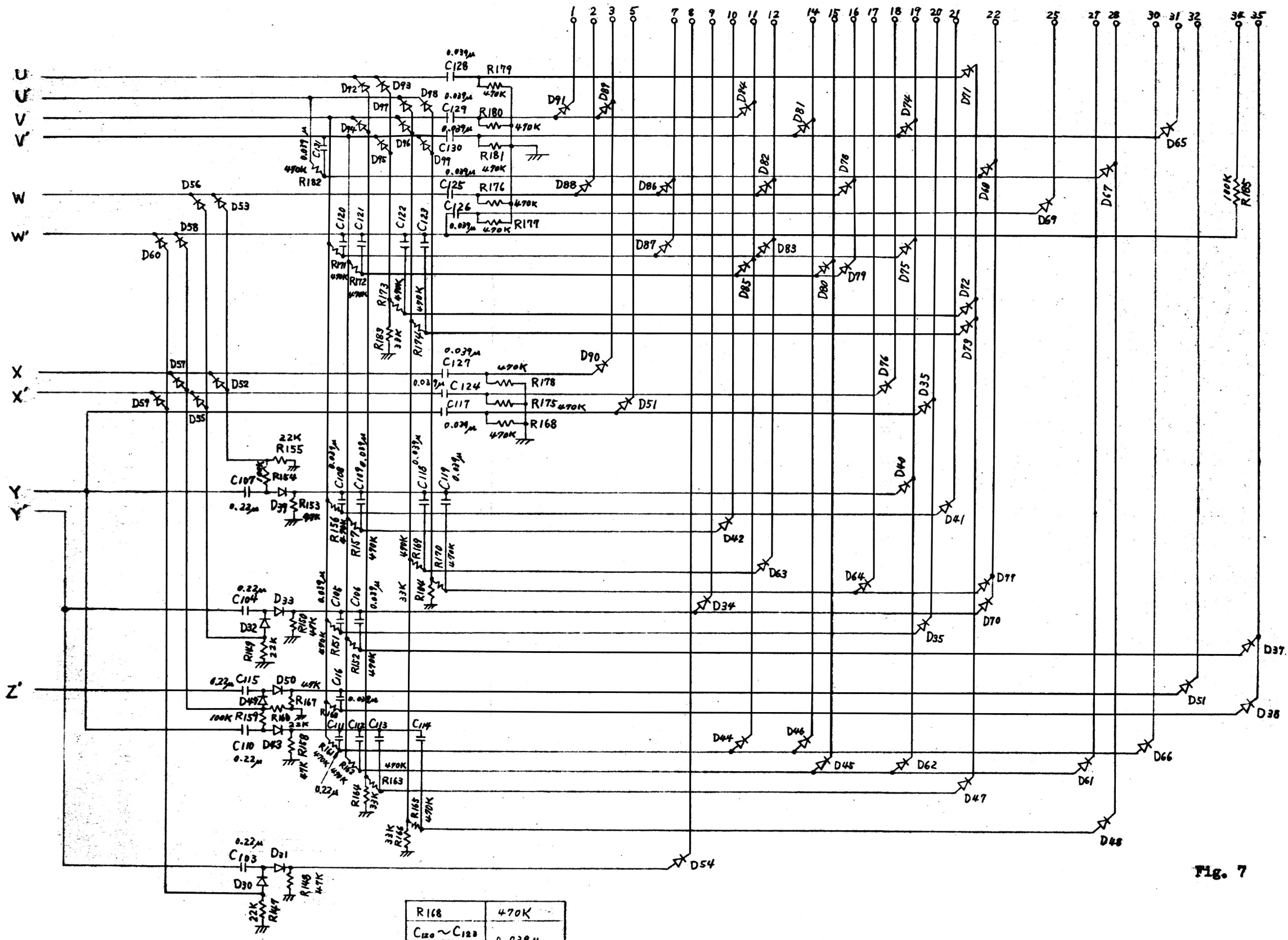


FIG. 6



R168	470K
C120 ~ C123	0.039 μ
C112 ~ C114	
D30 ~ D99	SM-150SS

Fig. 7

Waltz Dixieland Western Rock'n Roll Slow Rock Bosanova FoxTrot Swing Tango Beguine Rhumba Samba Mambo Cha-Cha Shuffle March Cancel

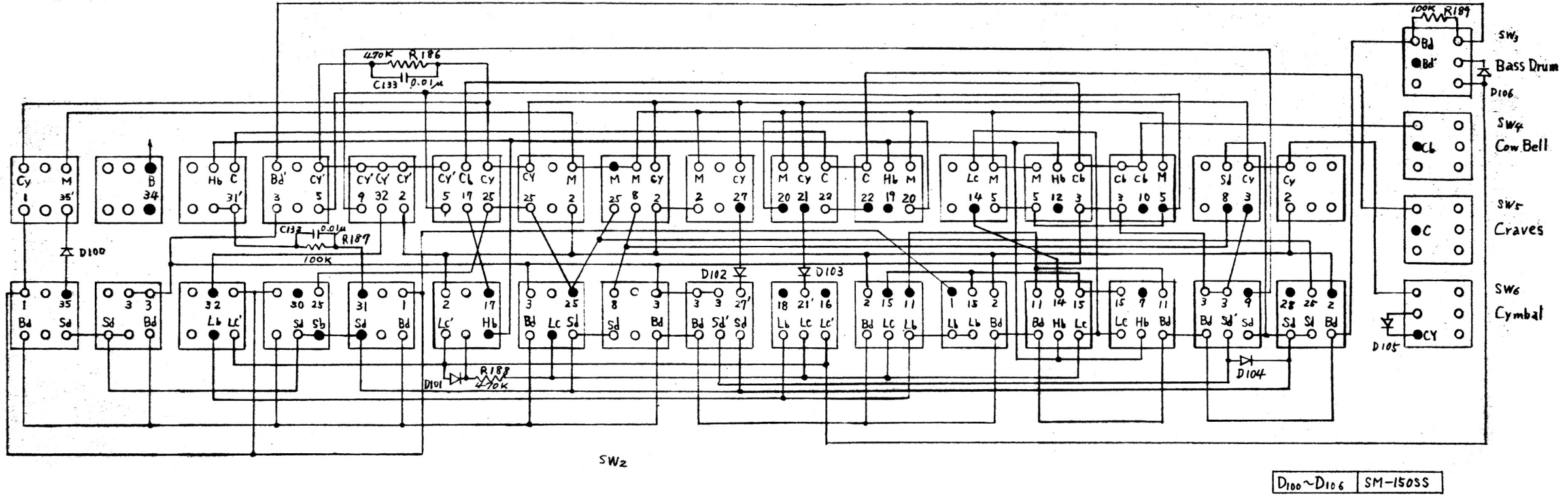


Fig. 8

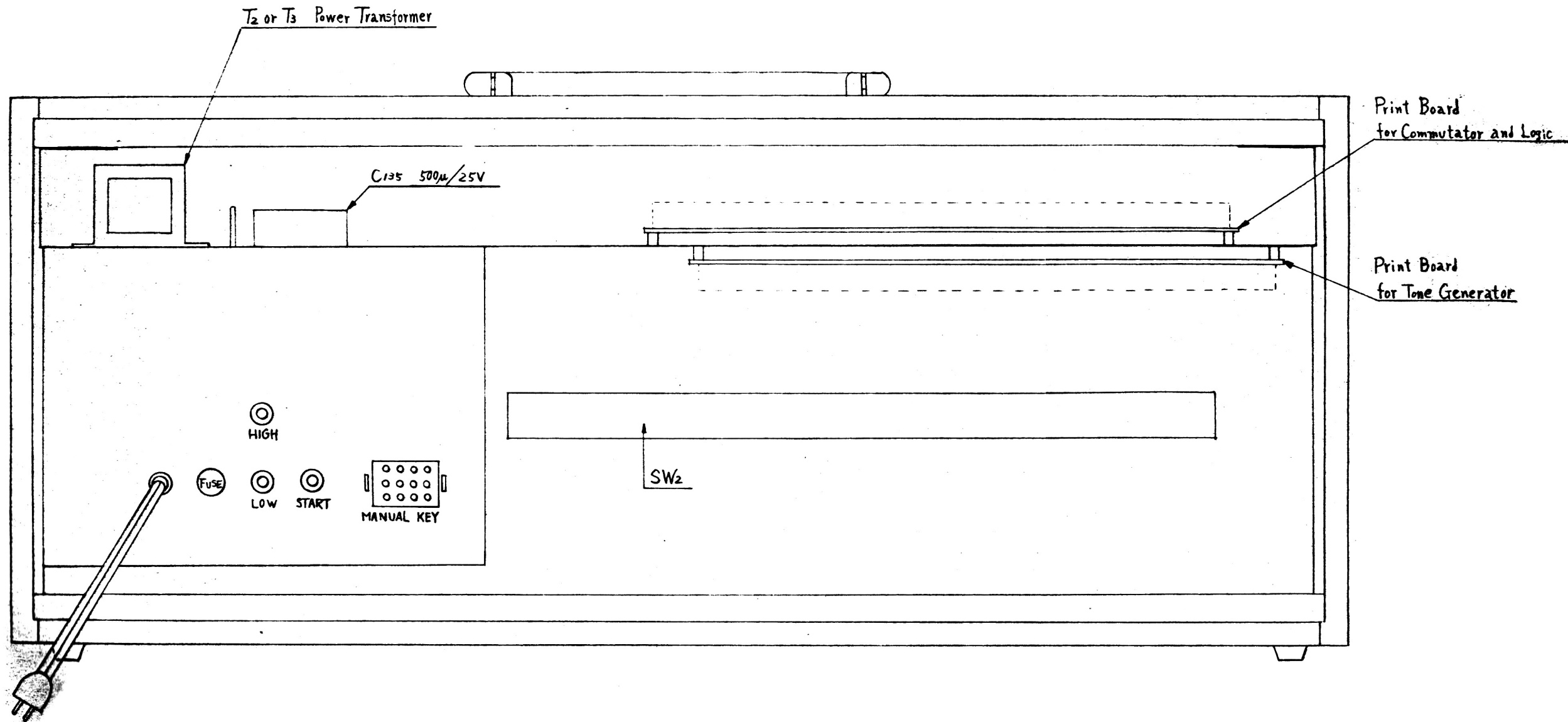


Fig. 9

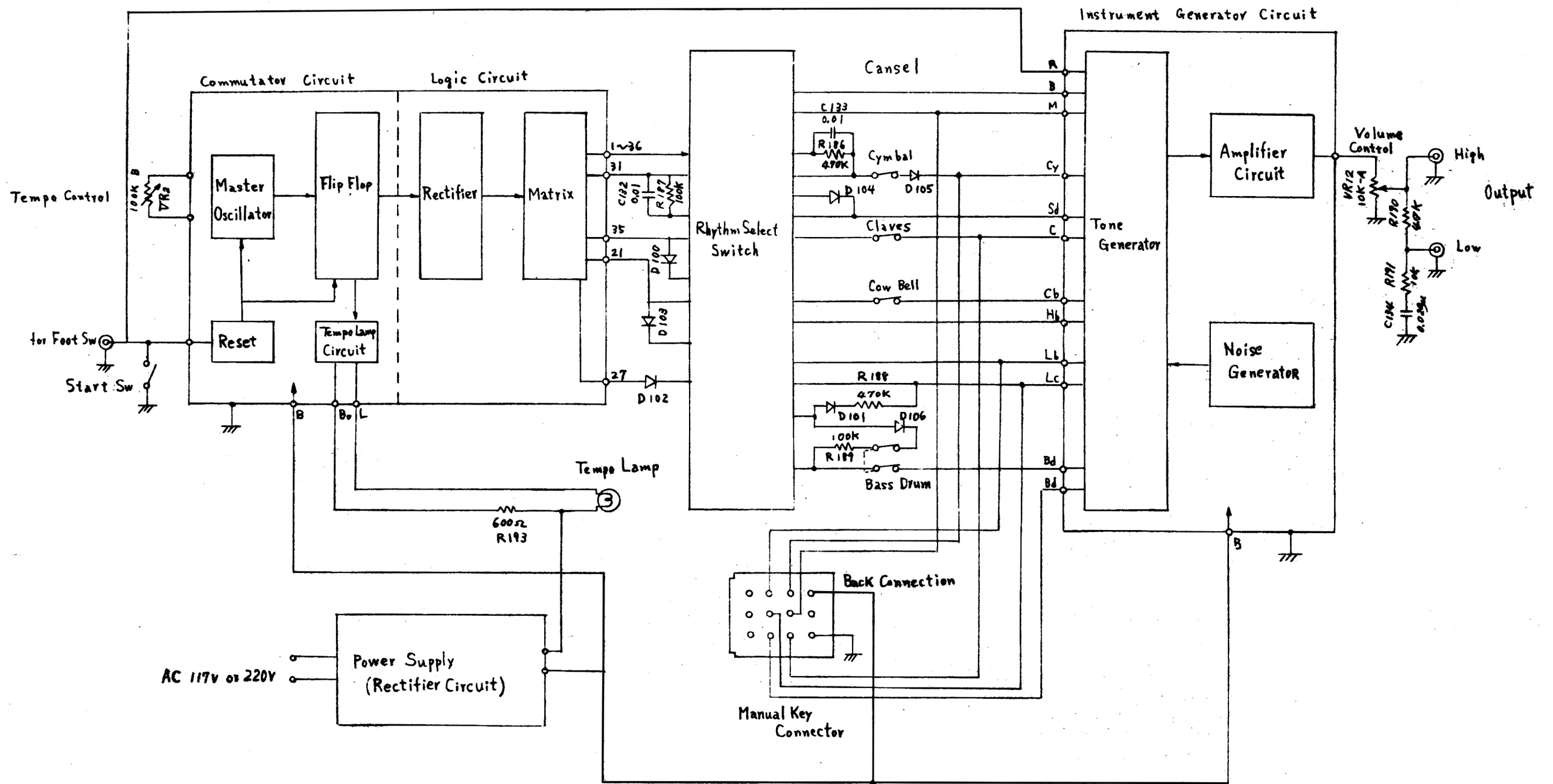


Fig. 10

