

MASTER OSCILLATOR

1ST DIVIDER

2ND DIVIDER

3RD DIVIDER

8 GROUND

7 VIBRATO

6 MASTER OSCILLATOR PLUS
1ST, 2ND & 3RD DIVIDER
OUTPUT SIGNALS

5 1ST 2ND & 3RD DIVIDER
OUTPUT SIGNALS

4 3RD DIVIDER OUTPUT SIGNAL
(2ND & 3RD ON "C" GENERATOR ONLY)

3 MASTER OSCILLATOR PLUS
1ST & 2ND
OUTPUT SIGNALS

2 MASTER OSCILLATOR & 1ST
DIVIDER OUTPUT
SIGNALS

1 -15V

The schematic diagram illustrates the internal circuitry of the Low 'C' Divider, organized into three main functional blocks: the Bass Divider, the Low 'C' Divider, and the Vibrato Oscillator.

- BASS DIVIDER:** This section at the top left uses two 6X4 vacuum tube sockets (Q8 and Q9) and two 6X5 vacuum tube sockets (Q10 and Q11). It features a complex network of resistors (R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53) and capacitors (C13, C14, C15). The output of this section is connected to the input of the Low 'C' Divider.
- LOW "C" DIVIDER:** This central section utilizes two 6X4 vacuum tube sockets (Q11 and Q12) and two 6X5 vacuum tube sockets (Q13 and Q14). It contains resistors (R54, R55, R56, R57, R58, R59, R60, R61) and capacitors (C16, C17, C18, C19, C20, C21, C22). The output of this section is connected to the input of the Vibrato Oscillator.
- VIBRATO OSCILLATOR:** This section on the right uses two 6X4 vacuum tube sockets (Q13 and Q14) and two 6X5 vacuum tube sockets (Q15 and Q16). It includes resistors (R62, R63, R64, R65, R66, R67, R68, R69) and capacitors (C23, C24, C25, C26, C27, C28, C29, C30, C31, C32). The output of this section is connected to the input of the Bass Divider.

The diagram also shows the power supply connections, including the -15V supply and the GROUND connection. The output signal is labeled as VIBRATO OUTPUT SIGNAL.

KEYBOARD

*ALTERNATE VALUES OF C4P,C1,C2,C11 RES. R29,R36					
GENERATOR	C1	C2	C11	R29	R36
A	.022	.022	.0047	55 K	47 K
C ⁺ B	.022	.022	NONE	NONE	NONE
G ⁺ A	.022	.033	NONE	NONE	47 K
G	.033	.033	NONE	NONE	47 K
F F ⁺	.033	.047	NONE	NONE	47 K
D B ⁺ E	.047	.068	NONE	NONE	47 K
C ⁺	.068	.068	NONE	NONE	47 K

120 V.A.C.
60 Hz
15 WATT
0.125 AMP

T1

20 V.A.C.

F1 FUSE
.5 AMP

R87
3.3
10W

C37B
1000

ZD1
15V

53