



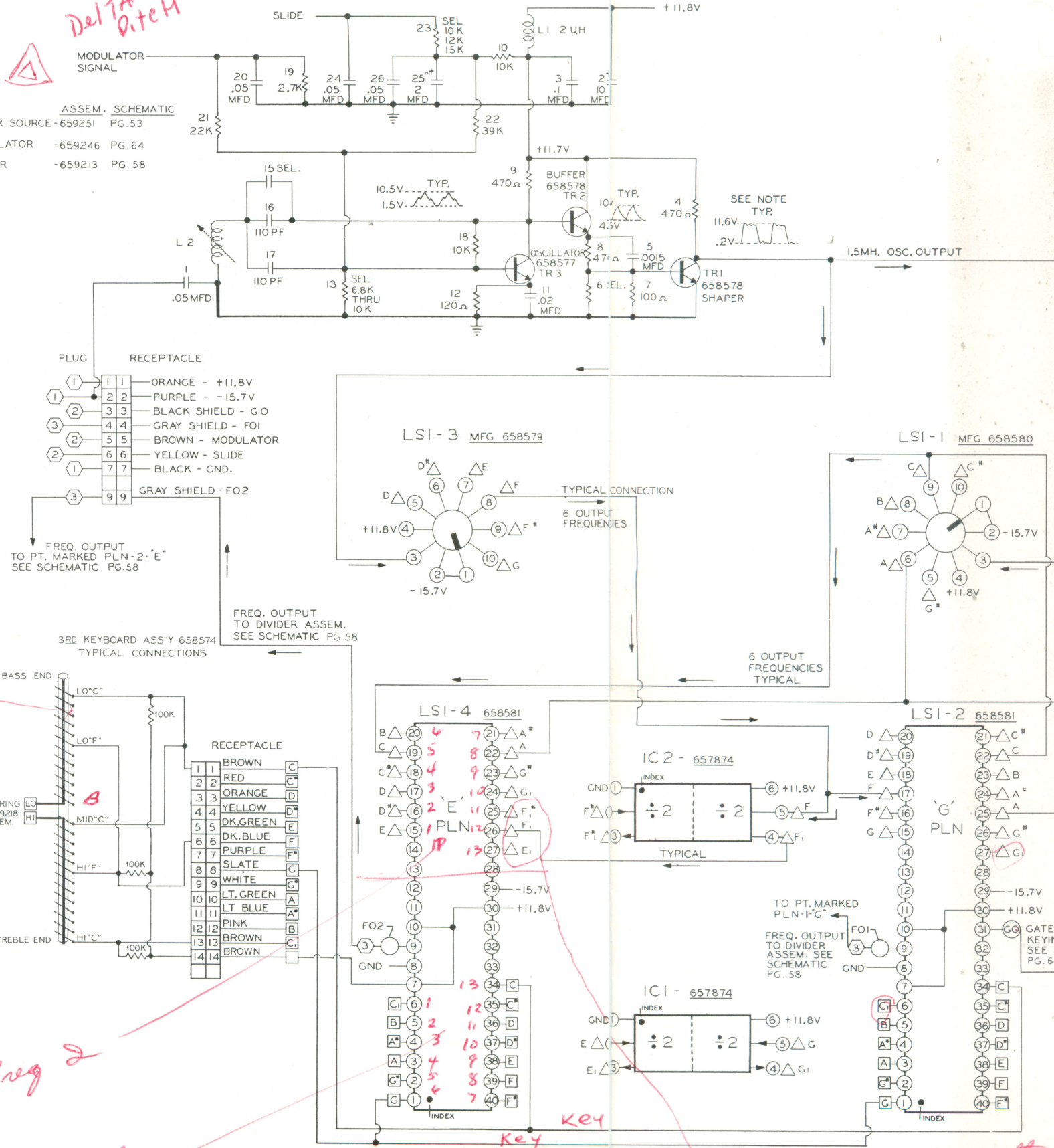
55

*Delta
Pitch*

*No Slide
on OR II*

*note to tune
3rd manual to
main organ.
use G#*

- ASSEM. SCHEMATIC
- ① POWER SOURCE - 659251 PG. 53
 - ② MODULATOR - 659246 PG. 64
 - ③ DIVIDER - 659213 PG. 58



MASTER OSCILLATOR TO DIVIDER KEYING CHART

KEY DEPRESSED	SIGNAL OUT "E" PIN 9	SIGNAL OUT "G" PIN 9
C	E 5274 HZ	G 6271 HZ
C#	F 5587 HZ	G# 3322 HZ
D	F# 5919 HZ	A 3520 HZ
D#	G 6271 HZ	A# 3729 HZ
E	G# 3322 HZ	B 3951 HZ
F	A 3520 HZ	C 4186 HZ
F#	A# 3729 HZ	C# 4434 HZ
G	B 3951 HZ	D 4698 HZ
G#	C 4186 HZ	D# 4978 HZ
A	C# 4434 HZ	E 5274 HZ
A#	D 4698 HZ	F 5587 HZ
B	D# 4978 HZ	F# 5919 HZ

NOTE WIRE COLOR CODE

- C - BROWN
- C# - RED
- D - ORANGE
- D# - YELLOW
- E - DK. GREEN
- F - DK. BLUE
- F# - PURPLE
- G - SLATE
- G# - WHITE
- A - LT. GREEN
- A# - LT. BLUE
- B - PINK

NOTE - ALL MEASUREMENTS MADE WITH A HIGH Z AND HIGH FREQUENCY MEASURING DEVICE. LINE VOLTAGE 117V.

NUMBERS ON COMPONENTS CORRESPOND TO NUMBERS ON P.C.B.D. 659403 SEE P.C.B.D. FOR LOCATION OF COMPONENTS. PG. 57

○ INDICATES TIE POINTS ON P.C.B.D.

△ INDICATES FREQUENCY CONNECTIONS BETWEEN MFG LSI UNITS & PLN LSI UNITS.

□ INDICATES CONNECTIONS BETWEEN PLN LSI UNITS & KEYBOARD

*+ Supply - +11.8 ± .2V
 - Supply - -15.7 ± .3*

MEASURED to be 27.6

RANGE - 25.5 to 28.5

*no Key
10-120*

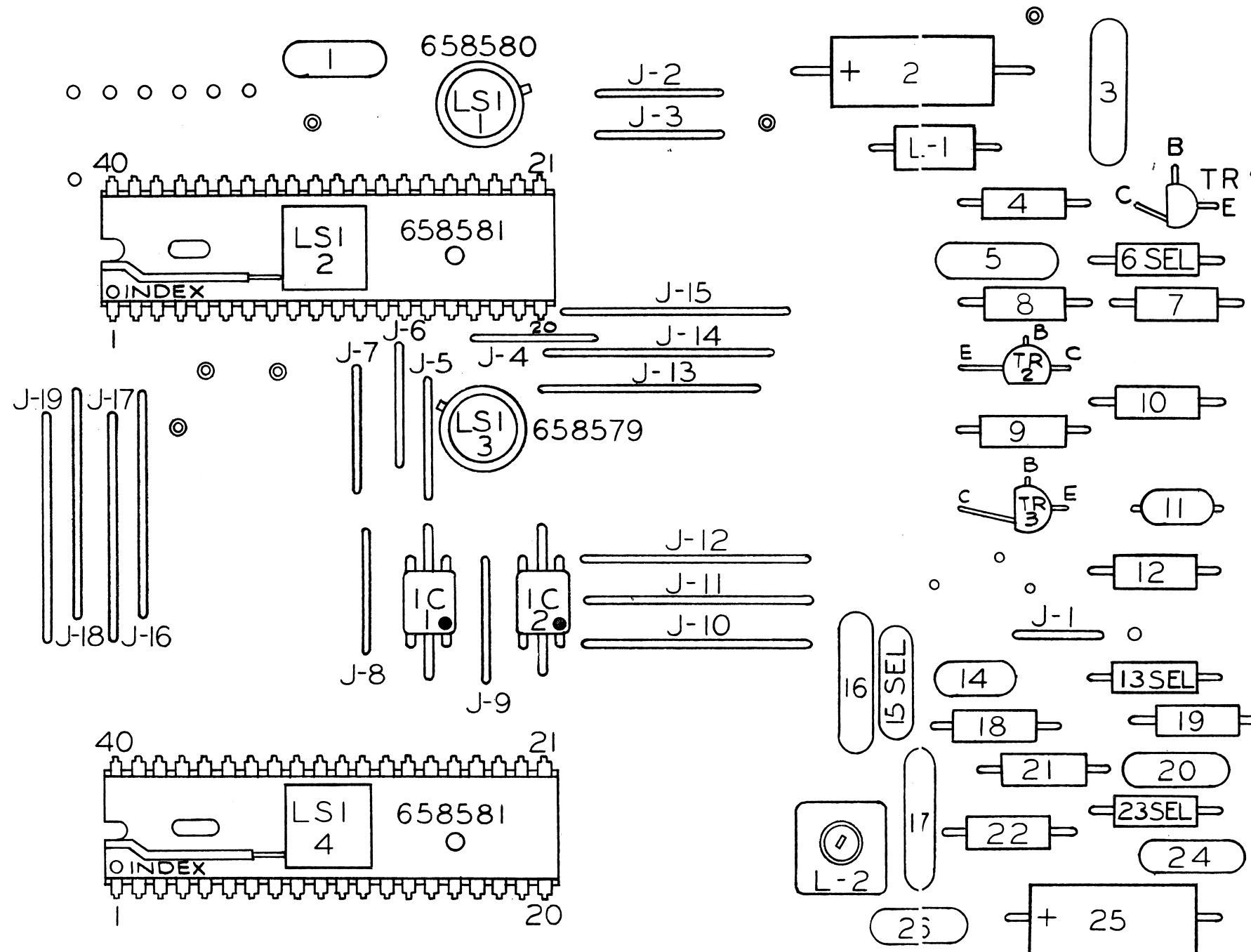
TO STEERING ASSY 659218 SEE SCHEM. PAGE 58

Freq 2

Control

*Good Control #1
 1 sig to out put
 will stay till another key pressed*

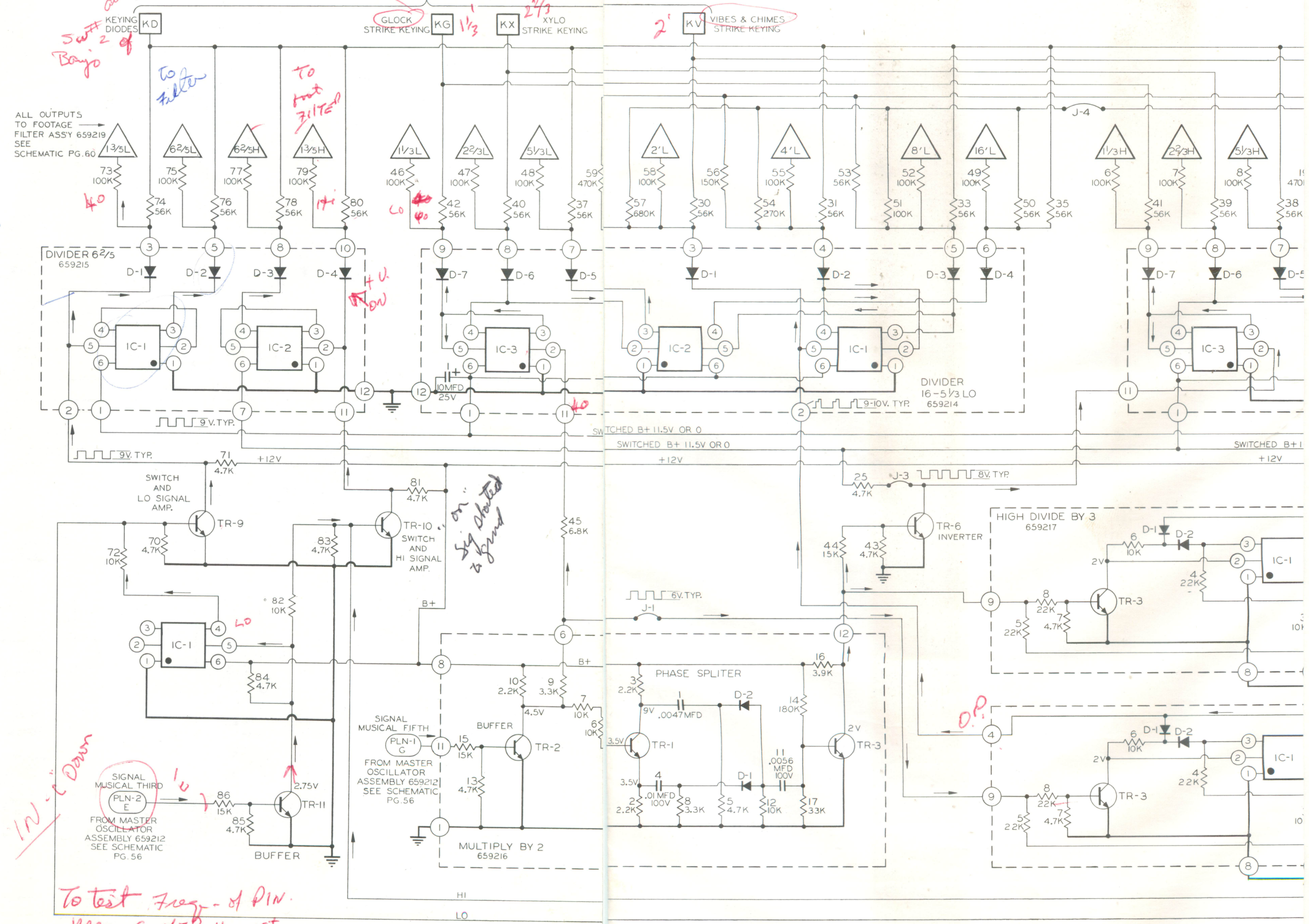
*of note with 1 after
 indicates from divider*



NOTES -
 SEE SCHEMATIC 659257 FOR CONNECTIONS
 AND COMPLETE CIRCUITS.
 NUMBERS ON COMPONENTS CORRESPOND
 TO NUMBERS ON SCHEMATIC 659257 PG. 56
 KEEP COMPONENTS UPRIGHT AND CLOSE
 TO THE BOARD. LEADS TO BE AS SHORT
 AS POSSIBLE. COMPONENT C-16 IS TO BE
 BENT AWAY FROM C-17.
 MAKE SELECTS ONLY IF NECESSARY.

TITLE - DIVIDER SCHEM.
 MODEL - 4570-4573 PART NO. 659258-S-1-E
 STARTING SERIAL NO. 1,032,000-1,037,000 DATE 3-1-1972
 THE WURLITZER COMPANY - DEKALB DIVISION - DEKALB, ILL.

KEYING VOLTAGE FROM SWITCHING ASSEMBLY 659209
 SEE SCHEMATIC PG. 64



IN - 1 Down
 SIGNAL MUSICAL THIRD
 (PLN-2 E)
 FROM MASTER
 OSCILLATOR
 ASSEMBLY 659212
 SEE SCHEMATIC
 PG. 56

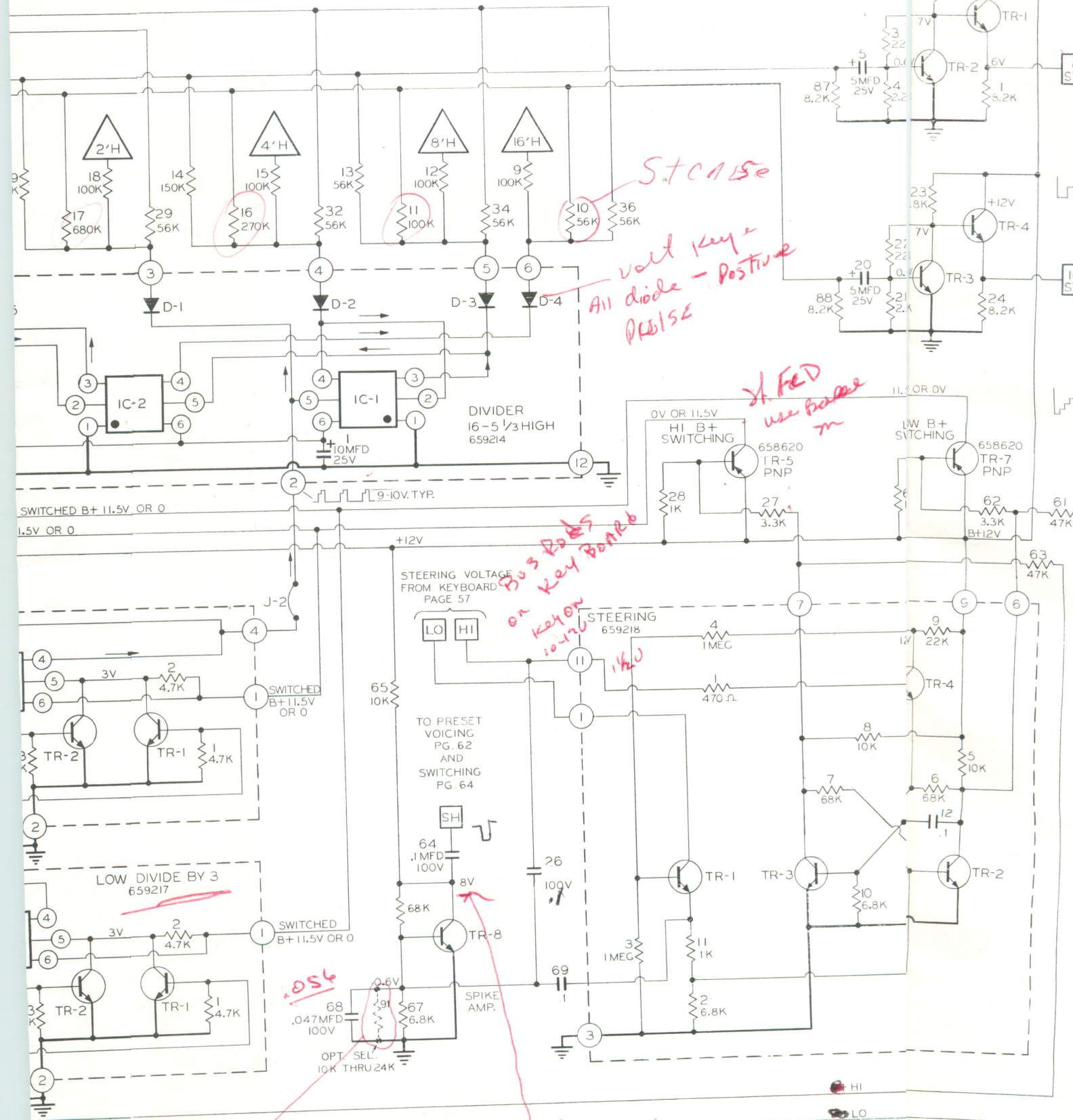
To test freq. of PIN.
 use C of TR 11 1st
 E R 11 2nd

only sig to main
- cassette
- input dual amp
- input for earphone

PH
of base was
E - part
TR on

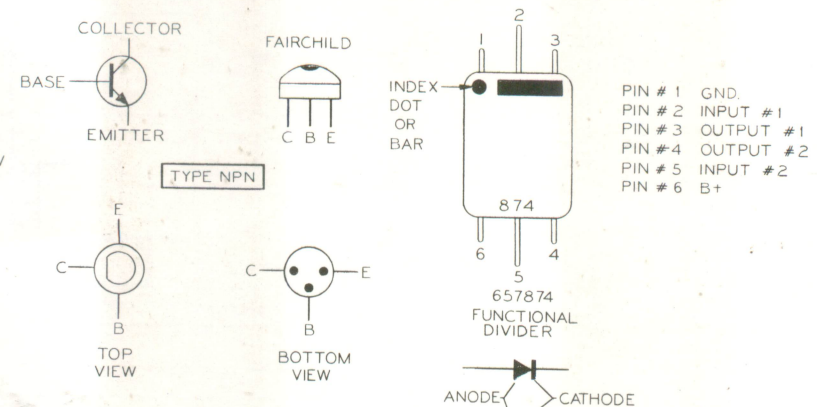
5 Rung
Hairpencil
Base
Piano

16 - Red - Brown
8 string Basso
Piano



ASSEMBLY	NUMBER	WURLITZER PART NO.
DIVIDER MOTHER 658455	TR-1 THRU TR-4 TR-6, TR-8 THRU TR-11	651891
	TR-5, TR-7	658620
	IC-1	657874
MULTIPLY BY (2) 658471	TR-1 THRU TR-3	651891
DIVIDE BY THREE 658472	TR-1 THRU TR-3	651891
	IC-1	657874
STEERING 658476	TR-1 THRU TR-4	651891
DIVIDER 16' - 5 1/3 658469	IC-1 THRU IC-3	657874
DIVIDER 62/5' 658470	IC-1, IC-2	657874

TRANSISTORS
SPECIFY DOT COLOR CODE FOR SERVICE REPLACEMENT.



ALL DIODES WURLITZER PART NO. 504720

△ INDICATES FOOTAGE READOUT POINT TO FOOTAGE FILTERS - SEE SCHEMATIC PG. 60.
□ INDICATES R.C. BD. TIEPOINT.
○ INDICATES PIN NUMBER ON PLUG-IN BOARD.

NUMBER ON COMPONENTS CORRESPOND TO NUMBERS ON COMPONENTS ON PRINTED BOARD ASSEMBLY NO. 659213 PG. 61. INCLUDES PRINTED BOARD ASSEMBLIES 659214, 659215, 659216, 659217 AND 659218.

ALL VOLTAGES MEASURED WITH A VACUUM TUBE VOLTMETER. TOL. ±10% EXCEPT AS NOTED. LINE VOLTAGE 117 V.

ALL ELECTRONIC COMPONENTS SUCH AS RESISTORS, CAPACITORS ETC. ARE IDENTIFIED WITH A NUMBER.

EXAMPLE
8
10K

check TR5 TR7 1st string

WAS 22K - 100K
Revised to eliminate Double Keying

if double keying up on Basso lower volts down and up