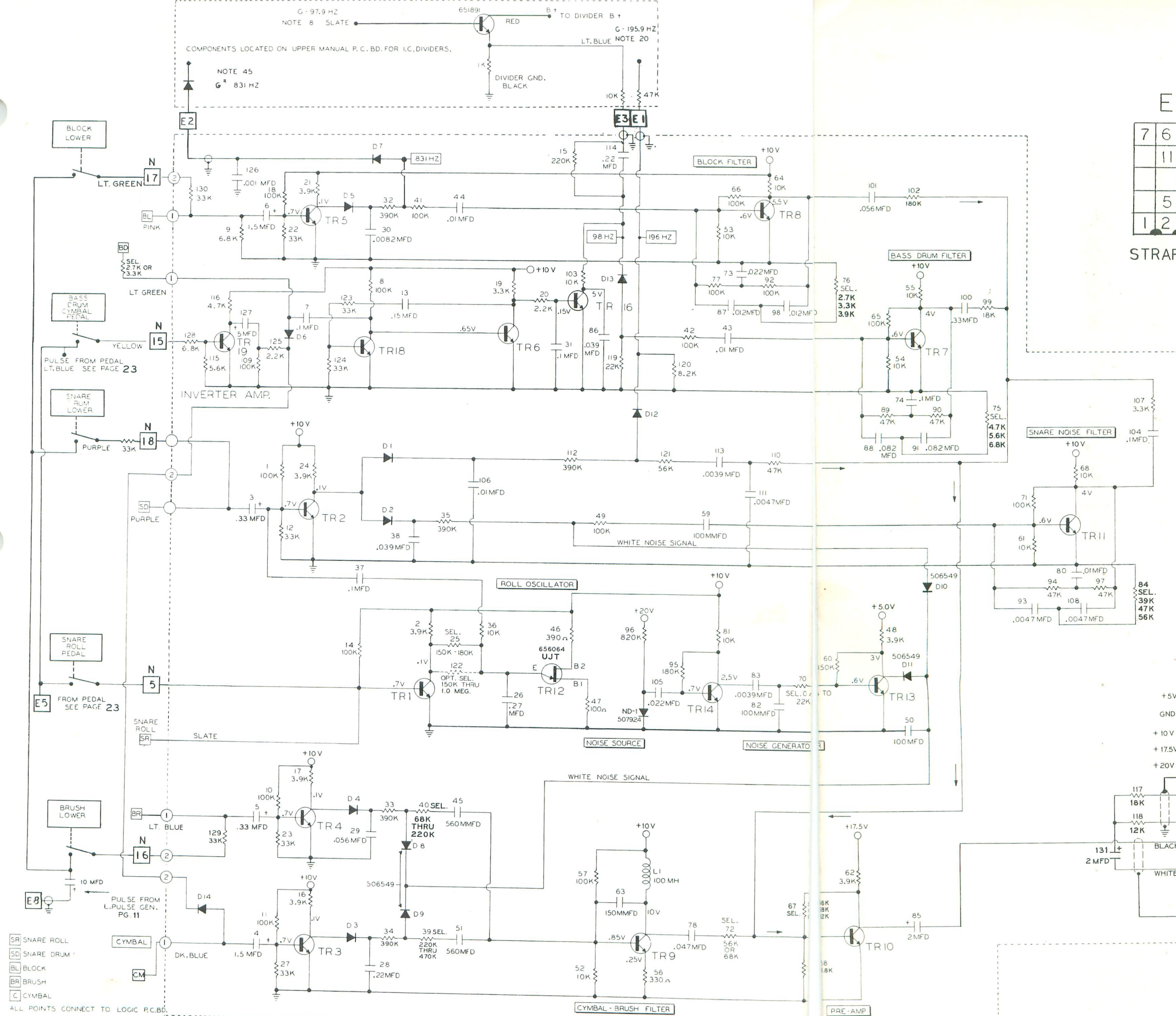
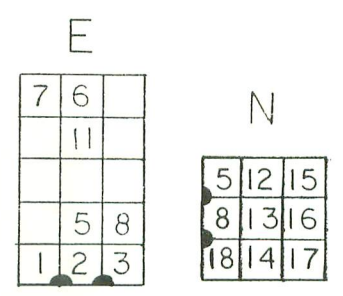




SR SNARE ROLL
SD SNARE DRUM
BL BLOCK
BR BRUSH
CY CYMBAL
ALL POINTS CONNECT TO LOGIC P.C.B.
SEE SCHEMATIC PG. 28

MODEL- 545-555 PART NO- 661282-S-1-E-3
TITLE- RHYTHM V.C. SCHEM.
STARTING SERIAL NO.- M-545 - 1096175, M-555 - 1097725 DATE- 5/1/74
THE WURLITZER COMPANY - DEKALB DIVISION - DEKALB, ILL.



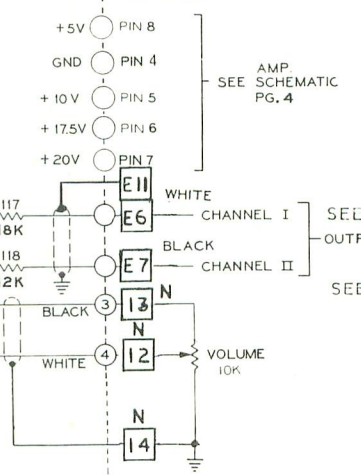
STRAF JCT. LOWER KEY BLK.

INDICATES WIRE NOS. IN DISCONNECTS

FOR TRANSISTOR PIN ORIENTATION
SEE TRANSISTOR BASING DIAGRAM
IN FRONT OF MANUAL

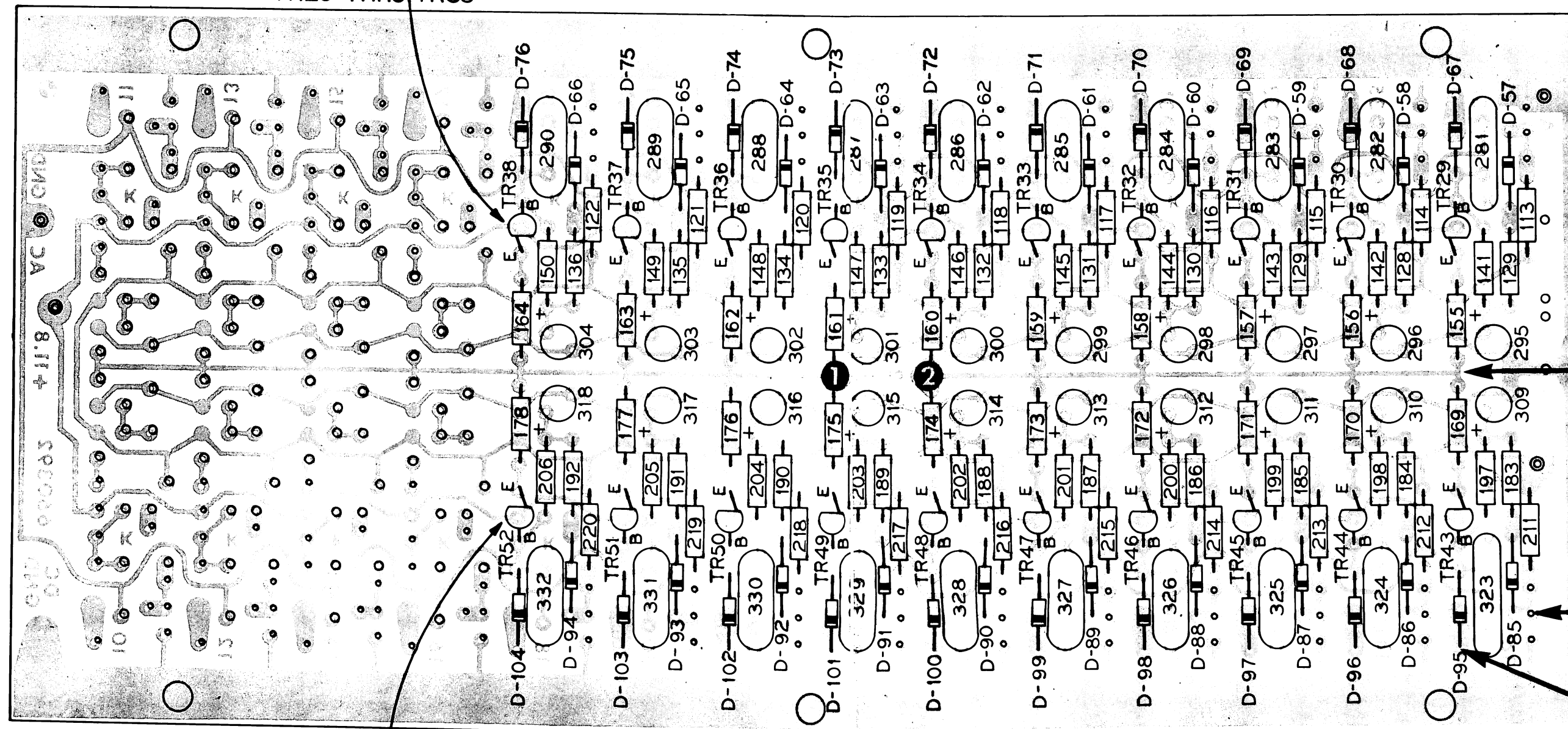
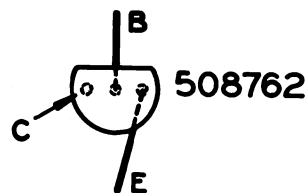
SEMI-CONDUCTOR SPECIFY DOT COLOR CODE FOR SERVICE REPLACEMENT.			
TR1-TR6	508762	D1,D3,THRU	504720
TR12 (UJT)	656064	D6&D14	
TR13&TR14	651955	D2,D7-D13	506549
TR7-TR11	508890	ND-1	507924
TR16-TR19	508762		
TR18&19	508762		

ALL D.C. VOLTAGES MEASURED WITH A HI IMPEDANCE
INPUT VOLT-METER. TOL. $\pm 10\%$ EXCEPT AS NOTED.
LINE VOLTAGE 120V - 60 HERTZ.
ALL ELECTRONIC COMPONENTS SUCH AS RESISTORS
CAPACITORS ETC. ARE IDENTIFIED WITH A NUMBER.
EXAMPLE $\frac{9}{12K}$
FOR PHYSICAL LOCATION OF COMPONENTS SEE P.C.
BD. PAGE 29
ALL SWITCHES IN OFF POSITION.

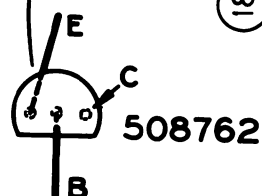


TO AMP #2
SEE SCHEMATIC PG. 18
TO AMP #7
SEE SCHEMATIC PG. 20

ORIENTATION FOR
TR29 THRU TR38



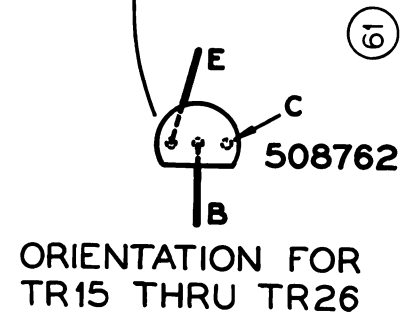
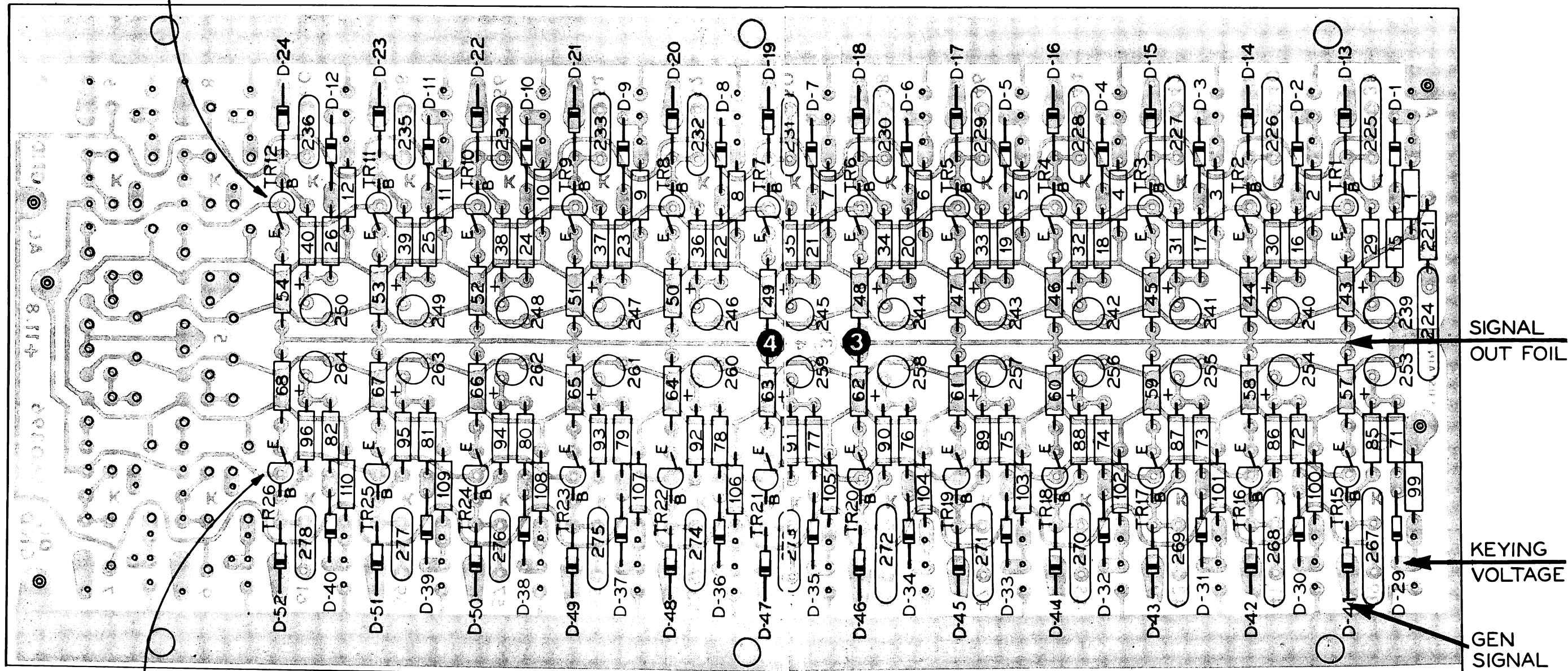
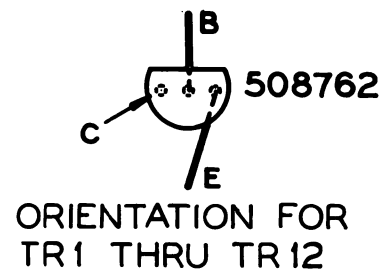
ORIENTATION FOR
TR43 THRU TR52



MODEL- 545-555
TITLE- D.C. KEY. P.C. BD. - BASS
PART NO- 660391-S-1-E-5
STARTING SERIAL NO.- M-545 - 1096175, M-555 - 1097725 DATE- 5/1/74
THE WURLITZER COMPANY - DEKALB DIVISION - DEKALB, ILL.

NOTES:

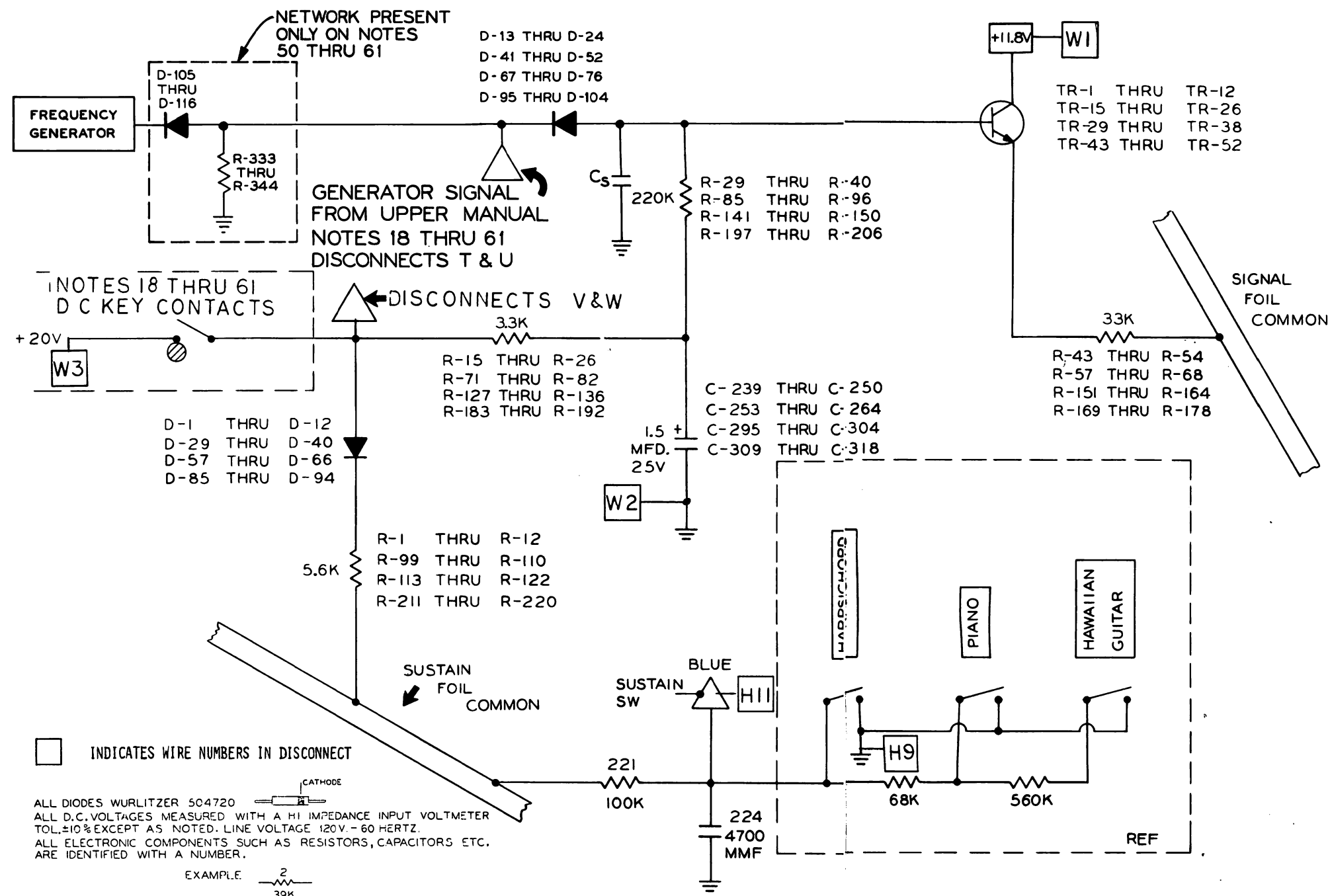
1. SEE SCHEMATIC PG.33 FOR CONNECTIONS AND COMPLETE CIRCUITS.
2. NUMBERS ON COMPONENTS CORRESPOND TO NUMBERS ON SCHEMATIC PAGE 33
3. BAND INDICATES CATHODE END OF DIODE
4. KEYING CIRCUIT ASSEMBLY INCLUDES 660395 PRINTED BOARD-TREBLE.



MODEL - 545-555 PART NO - 660395-S-1-E-5
 TITLE - D.C. KEY, P.C. BD. - TREBLE
 STARTING SERIAL NO. - M-545 - 1096175, M-555 - 1097725 DATE - 5/1/74
 THE WURLITZER COMPANY - DEKALB DIVISION - DEKALB, ILL.

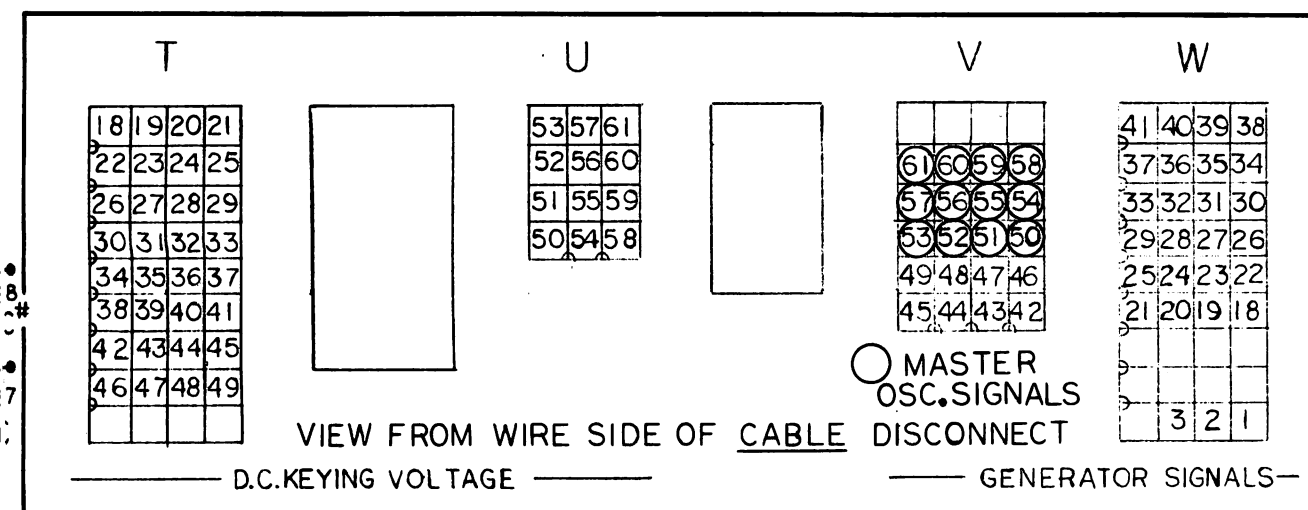
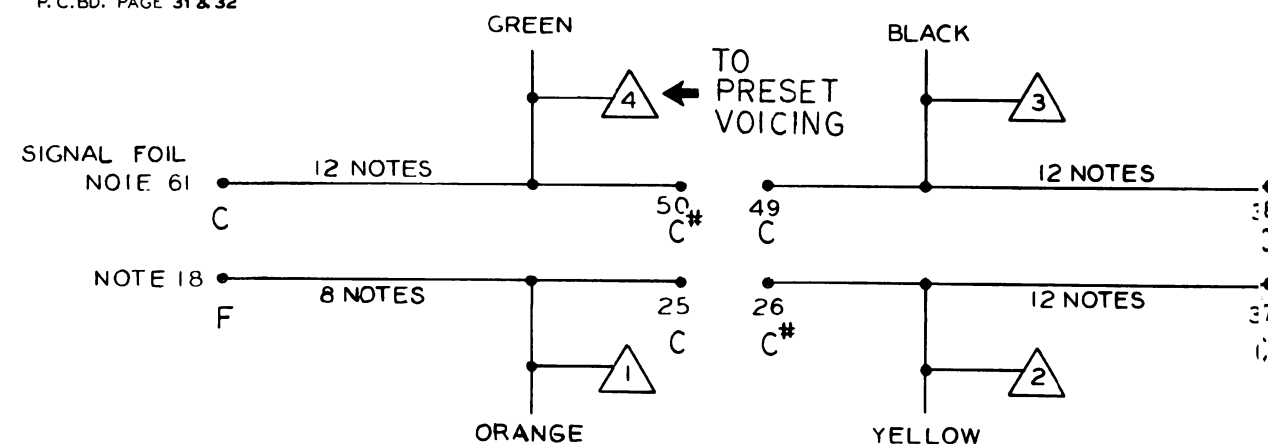
NOTES-

1. SEE SCHEMATIC PG.33 FOR CONNECTIONS AND COMPLETE CIRCUITS.
2. NUMBERS ON COMPONENTS CORRESPOND TO NUMBERS ON SCHEMATIC PAGE 33
3. BAND INDICATES CATHODE END OF DIODE.
4. KEYING CIRCUIT ASSEMBLY INCLUDES 660391 PRINTED BOARD - BASS.



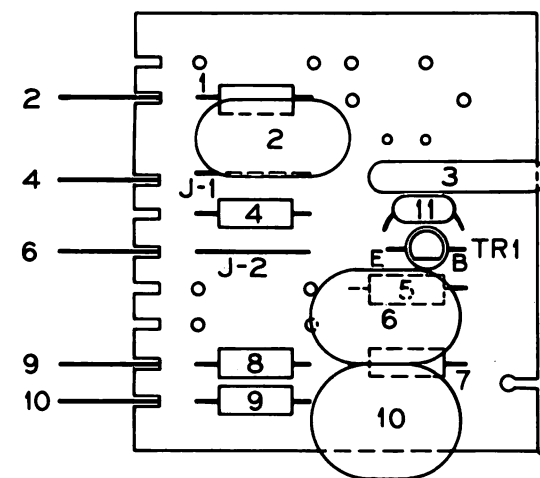
NOTE NO.	ITEM NO.	CS VALUE
18	332	.015 MFD.
19	290	.015 MFD.
20	331	.015 MFD.
21	289	.012 MFD.
22	330	.012 MFD.
23	288	.012 MFD.
24	329	.01 MFD.
25	287	.01 MFD.
26	328	.01 MFD.
27	286	.0082 MFD.
28	327	.0082 MFD.
29	285	.0082 MFD.
30	326	.0068 MFD.
31	284	.0068 MFD.
32	325	.0068 MFD.
33	283	.0056 MFD.
34	324	.0056 MFD.
35	282	.0056 MFD.
36	323	4700 PF.
37	281	4700 PF.
38	225	4700 PF.
39	267	4700 PF.
40	226	4700 PF.
41	268	3900 PF.
42	227	3900 PF.
43	269	3900 PF.
44	228	3300 PF.

FOR PHYSICAL LOCATION OF COMPONENTS SEE P.C.B.D. PG 31 & 32
NUMBERS ON COMPONENTS CORRESPOND TO NUMBERS ON
P.C.B.D. PAGE 31 & 32

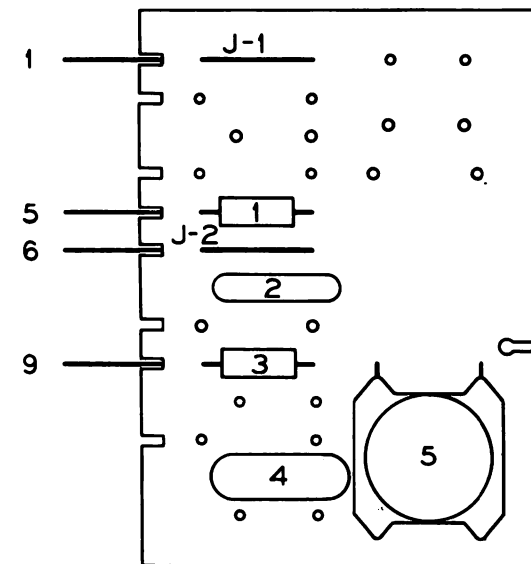


MASTER OSC & D C KEYING JUNCTION-UNDER KEYBED

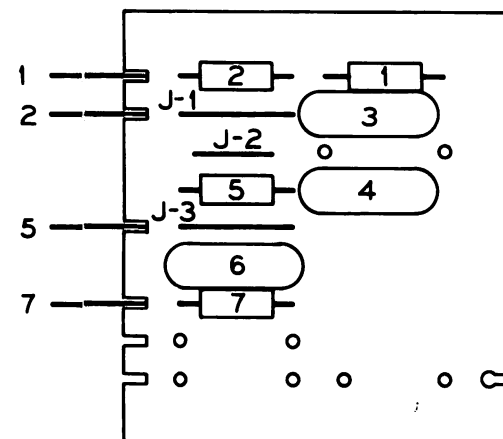
MODEL- 545-555
TITLE- D.C. KEY. SCHEM.
PART NO- 660351-S-1-E-6
STARTING SERIAL NO. - M-545 - 1096175, M-555 - 1097725 DATE- 5/1/74
THE WURLITZER COMPANY - DEKALB DIVISION - DEKALB, ILL.



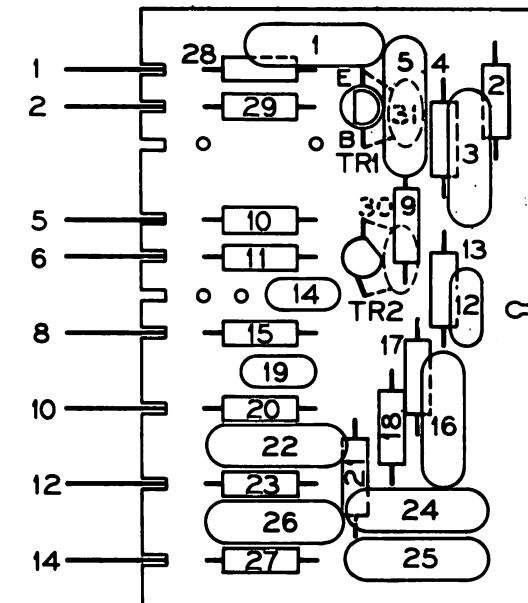
PIANO
660338



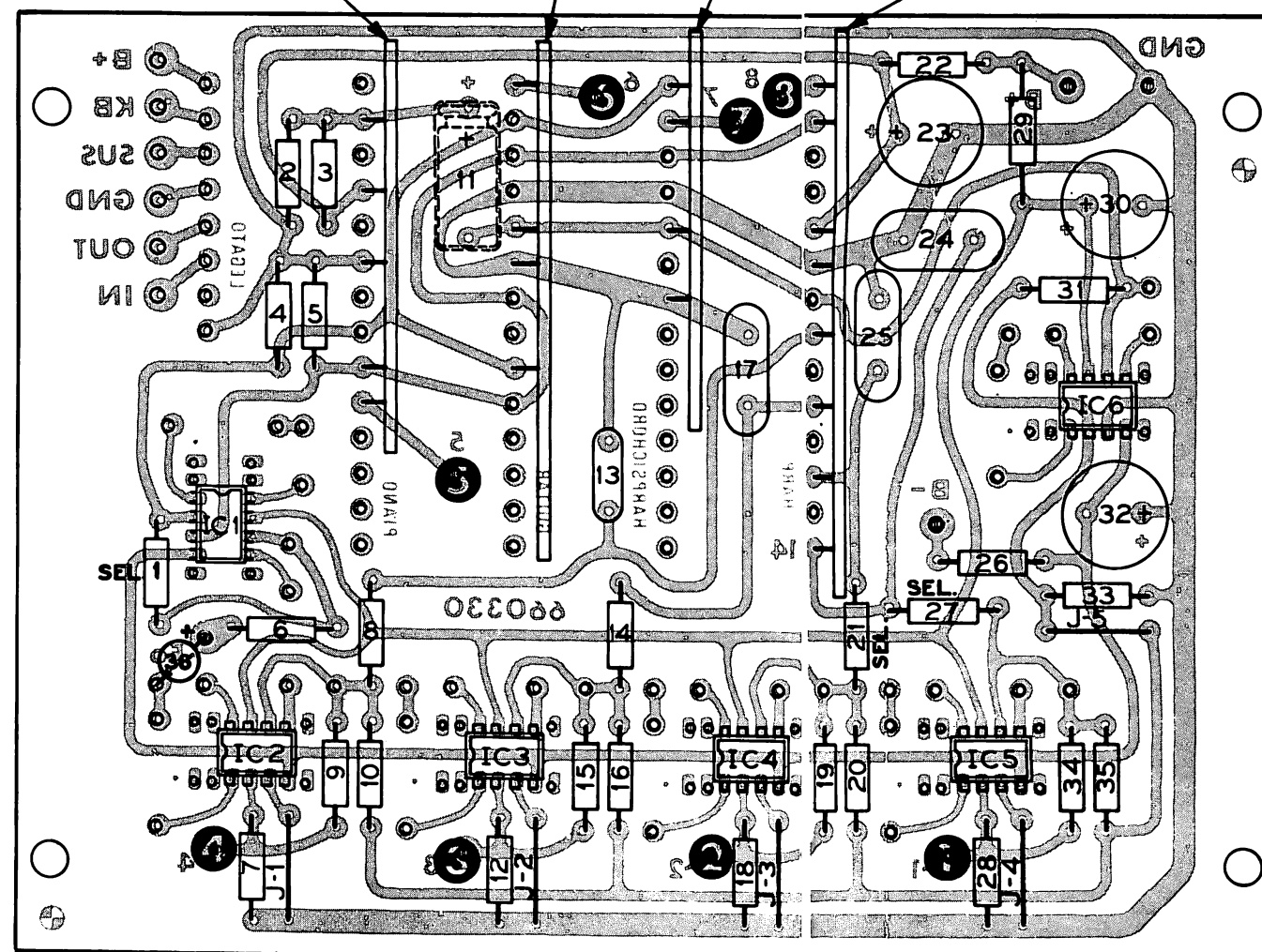
HAWAIIAN GUITAR
660342



HARPSICHORD
660341



HARP
660339

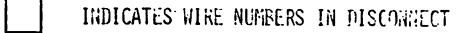


NOTES-

SEE SCHEMATIC PG.35 FOR CONNECTIONS
AND COMPLETE CIRCUITS.

NUMBERS ON COMPONENTS CORRESPOND
TO NUMBERS ON SCHEMATIC PAGE 35

MODEL - 545-555 PART NO. - 661259-S-1-E-3
TITLE - PRESET VOICING P.C. BD.
STARTING SERIAL NO. - M-545 - 1096175, M-555 - 1097725 DATE - 5/1/74
THE WURLITZER COMPANY - DEKALB DIVISION - DEKALB, ILL.



ALL DIODES WURLITZER 504720

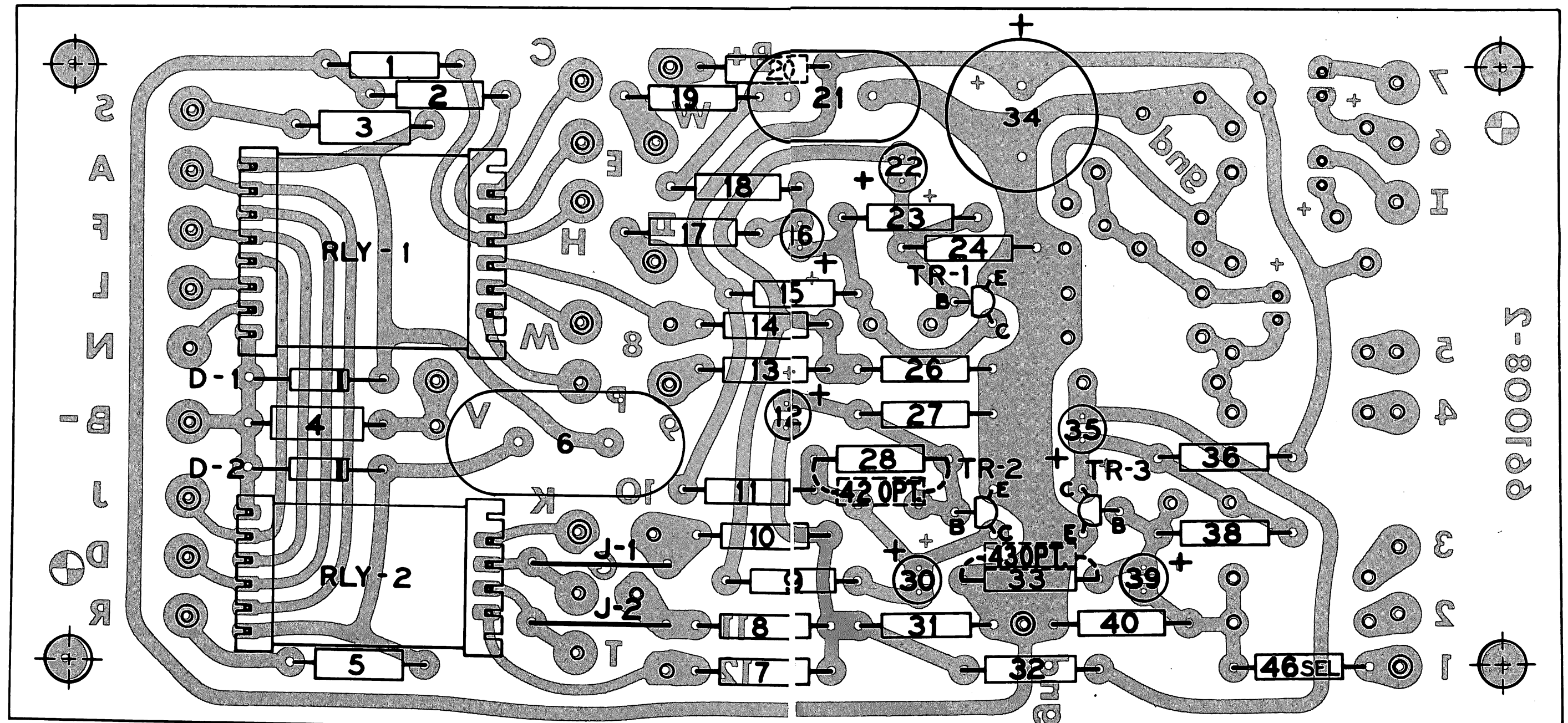
ALL D.C. VOLTAGES MEASURED WITH A HI IMPEDANCE INPUT VOLTMETER
TOL. $\pm 10\%$ EXCEPT AS NOTED. LINE VOLTAGE 120V. - 60 HERTZ.

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

EXAMPLE 

FOR PHYSICAL LOCATION OF COMPONENTS SEE P.C.B.D. PG 34
NUMBERS ON COMPONENTS CORRESPOND TO NUMBERS ON
P.C.B.D. PAGE 34

MODEL- 545-555 PART NO- 661286-S-1-E-3
TITLE- PRESET VOICING SCHEM.
STARTING SERIAL NO.- M-545 - 1096175, M-555 - 1097725 DATE- 5/1/74
THE WURLITZER COMPANY - DEKALB DIVISION - DEKALB, ILL.



NOTES -

SEE SCHEMATIC PG.37 FOR CONNECTIONS
AND COMPLETE CIRCUITS.

NUMBERS ON COMPONENTS CORRESPOND
TO NUMBERS ON SCHEMATIC PG.37

BAND INDICATES CATHODE END OF DIODE .

MODEL - 545-555
TITLE - LESLIE SW. P.C. BD.
PART NO. - 661007-S-1-E-5
STARTING SERIAL NO. - M-545 - 1096175, M-555 - 1097725 DATE - 5/1/74
THE WURLITZER COMPANY - DEKALB DIVISION - DEKALB, ILL.

SEMI-CONDUCTOR		
SPECIFY DOT COLOR CODE FOR SERVICE REPLACEMENT.		
TR1, 2 & 3	508762	
R1	661024	
R2	661023	

FOR TRANSISTOR PIN ORIENTATION
SEE TRANSISTOR BASING DIAGRAM
IN FRONT OF MANUAL

ALL D.C. VOLTAGES MEASURED WITH A HI IMPEDANCE
INPUT VOLTMETER. TOL. $\pm 10\%$ EXCEPT AS NOTED.
LINE VOLTAGE 120 V.-60 HERTZ.

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

EXAMPLE 

FOR PHYSICAL LOCATION OF COMPONENTS SEE P.C.
BD. PG. 36

ALL SWITCHES IN OFF POSITION.

○ INDICATES CIRCUIT TIE POINT.

□ INDICATES WIRES IN DISCONNECT.

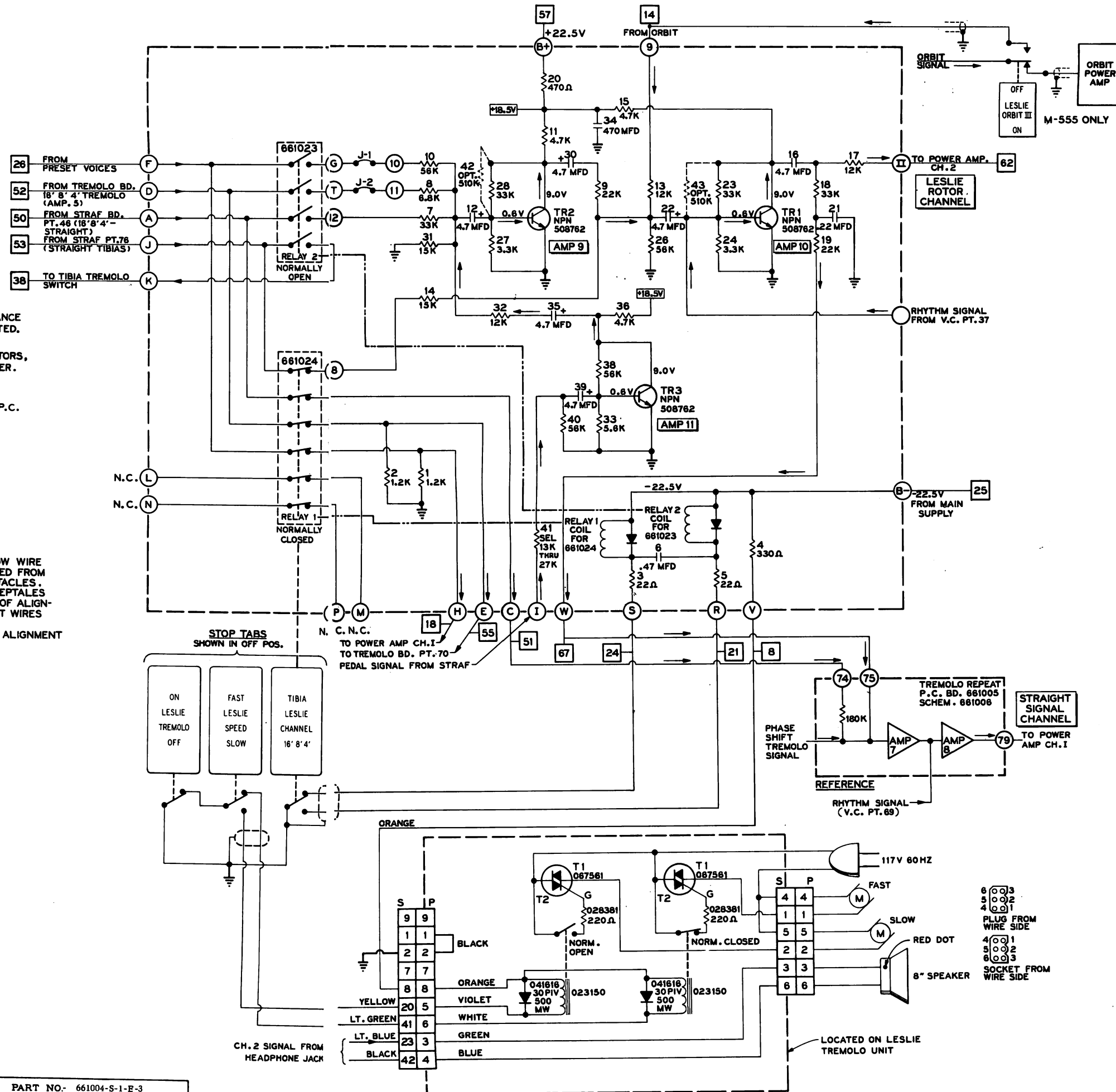
57	55	21	50
67	51	25	
68	18	58	53
62		39	26
41	38	24	52
23	20	42	70

THESE VIEWS SHOW WIRE
LOCATIONS AS VIEWED FROM
TOP SIDE OF RECEPTACLES.
TOP SIDES OF RECEPTACLES
ARE OPPOSITE SIDE OF ALIGN-
MENT GUIDES. INSERT WIRES
FROM THIS SIDE.
NOTE LOCATION OF ALIGNMENT
GUIDES.

ALIGNMENT GUIDES

41		
23	20	42
	8	

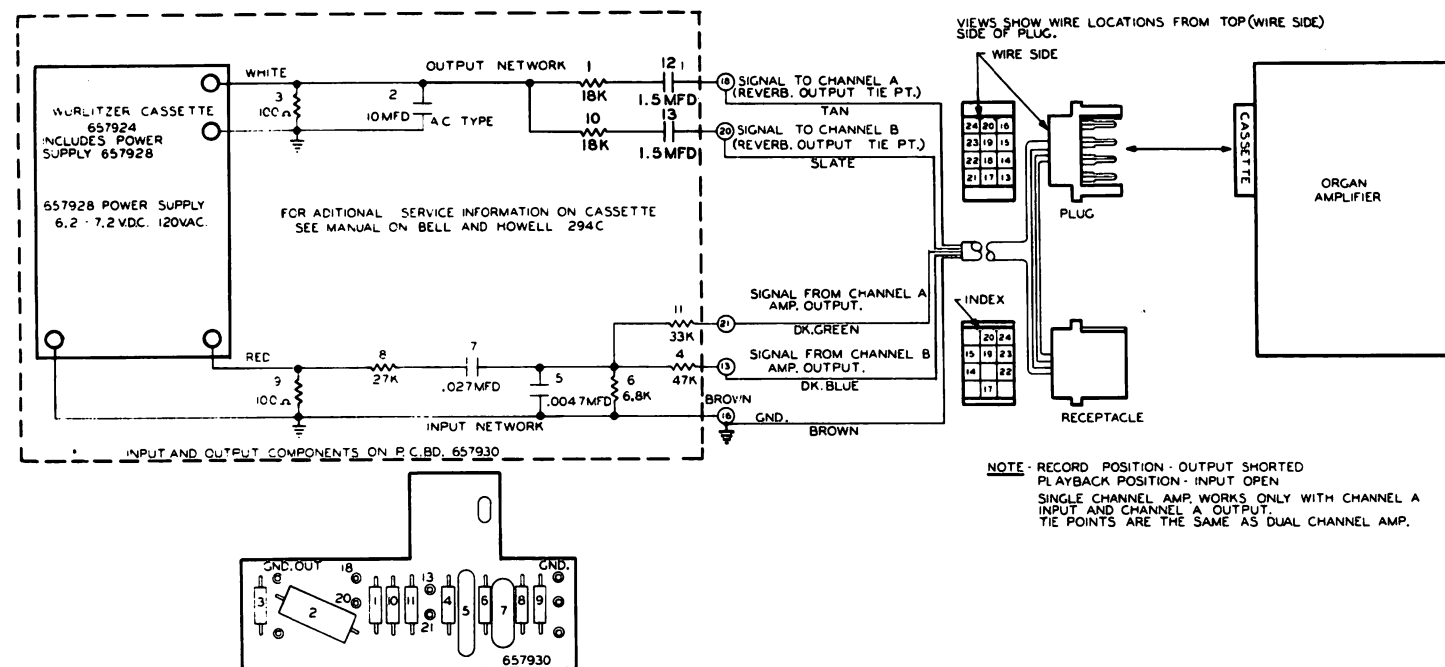
14	2	
----	---	--



MODEL- 545-555
TITLE- LESLIE SW. SCHEM.

PART NO.- 661004-S-1-E-3

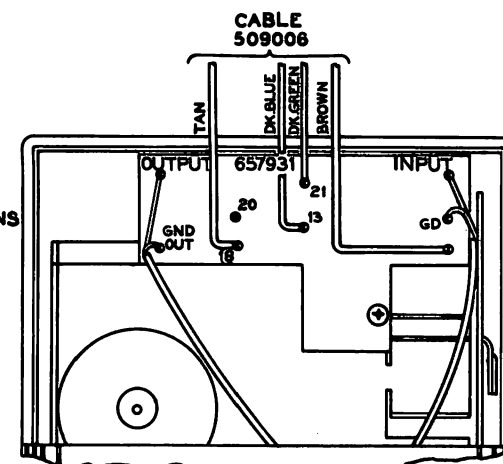
STARTING SERIAL NO.- M-545 - 1096175, M-555 - 1097725 DATE- 5/1/74
THE WURLITZER COMPANY - DEKALB DIVISION - DEKALB, ILL.



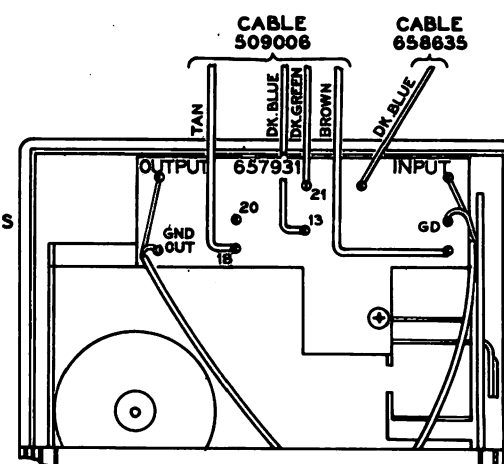
509008	507572	657930	509006 & 658635	555 KIT
509007	507573	657930	509006	545 KIT
508644	660131	659515	660059	353 KIT
508643	508481	507224	657749	352 KIT
508642	660191	659515	507745 & 658635	4573C - 354 KIT
508641	660131	659515	660059 & 658635	4373A
508640	507572	657930	657749 & 658635	4026-4037-460 4027-550
508639	507573	657930	657749	4028C-430-530 4025C-540-351 KIT
ASSEMBLY	CASSETTE RECORDER P.C. BD. ASSEM.	PTD. CIRCUIT BD. ASSEM.	CABLE ASSEM.(S)	MODEL(S)

MODEL - 545-555 PART NO - 657934-S-1-E-9
 TITLE - CASSETTE SCHEM. & P.C. BD.
 STARTING SERIAL NO. - M-545 - 1096175, M-555 - 1097725 DATE - 5/1/74
 THE WURLITZER COMPANY - DEKALB DIVISION - DEKALB, ILL.

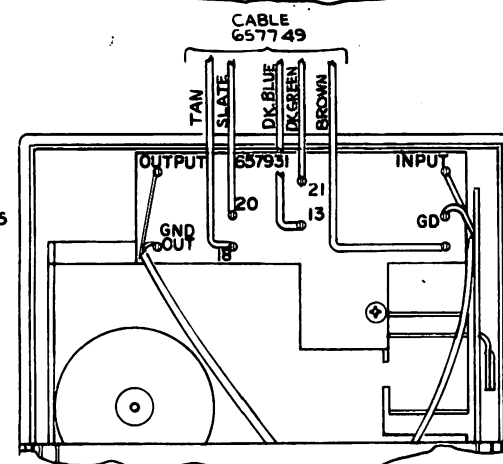
CABLE CONNECTIONS ASSEMBLY 509007



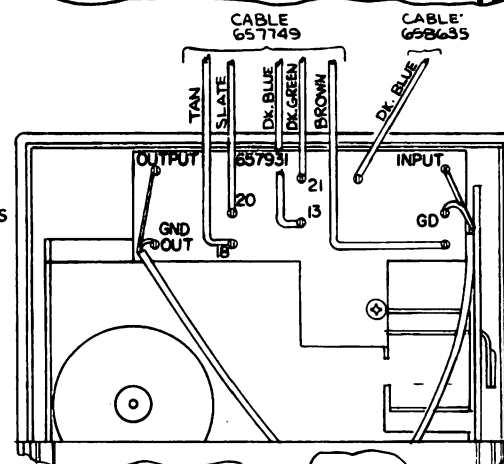
CABLE CONNECTIONS ASSEMBLY 509008



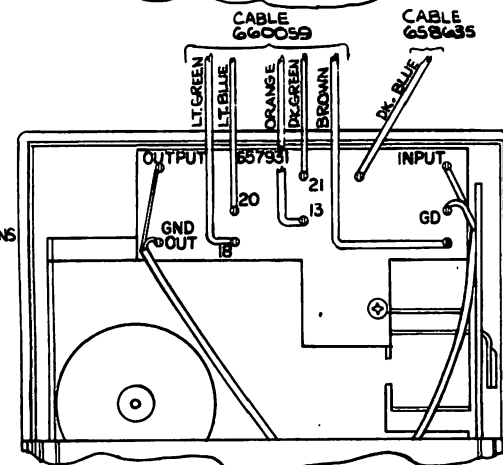
CABLE CONNECTIONS ASSEMBLY 508639



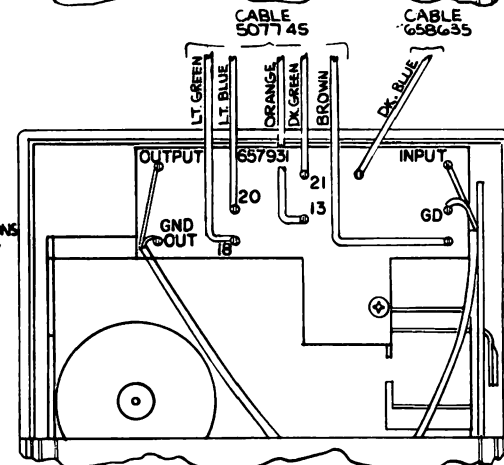
CABLE CONNECTIONS ASSEMBLY 508640



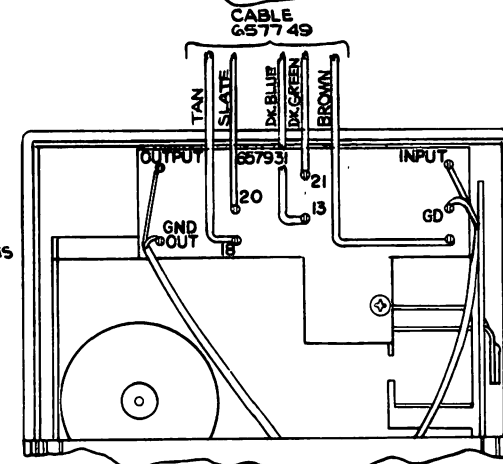
CABLE CONNECTIONS ASSEMBLY 508641



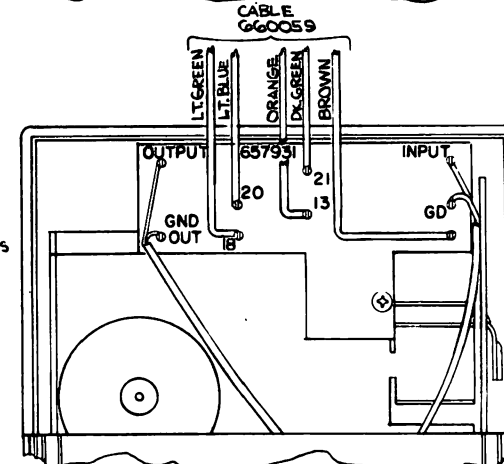
CABLE CONNECTIONS ASSEMBLY 508642



CABLE CONNECTIONS ASSEMBLY 508643



CABLE CONNECTIONS ASSEMBLY 508644

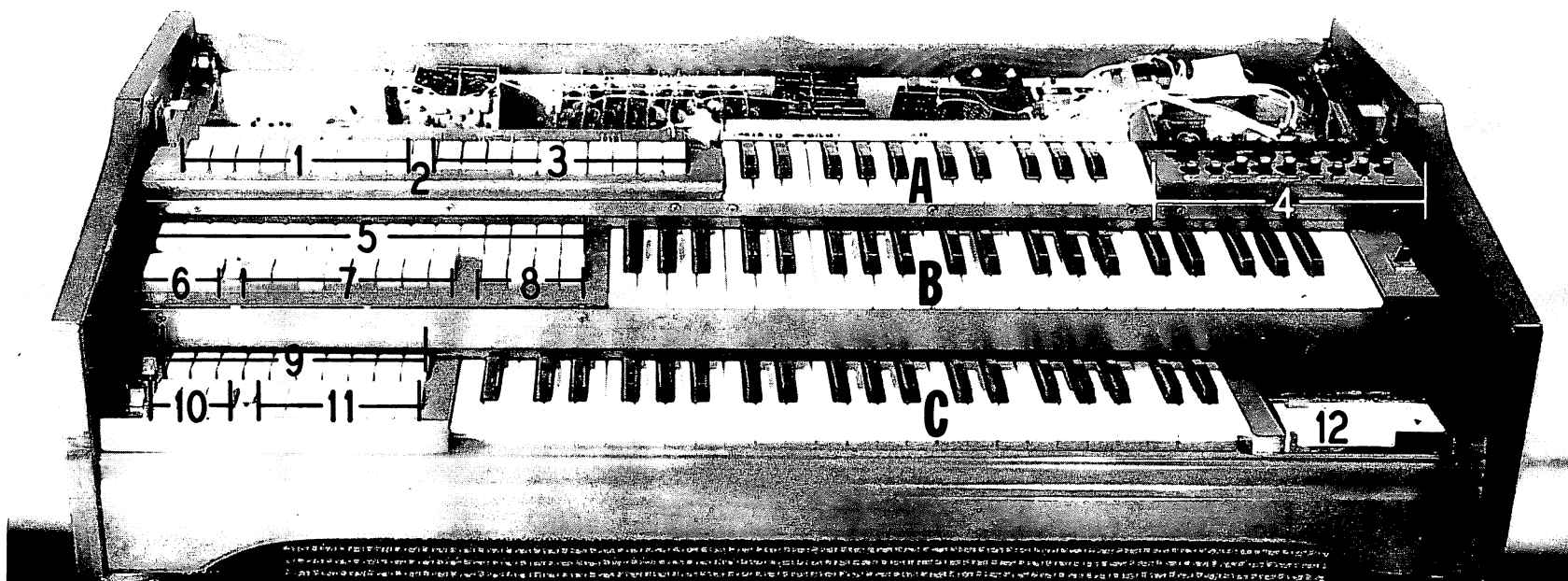


INDEX

PICTURE IDENTIFICATION OF ASSEMBLIES

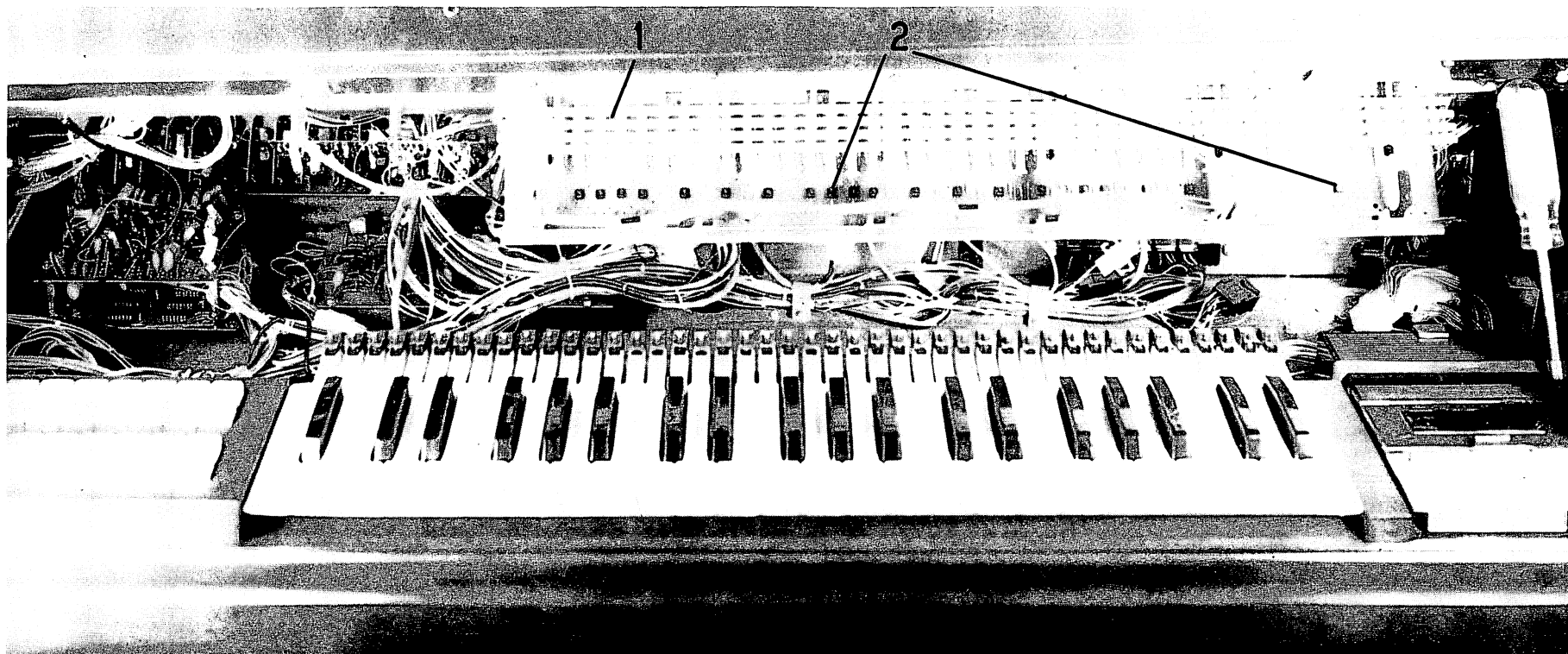
MODEL 545 - 555

FIG. 1	ORBIT - UPPER - LOWER KEYBD.
FIG. 2	UPPER KEYBD. RAISED
FIG. 3	STRAF - TREMOLO - RHY. - ARCAP
FIG. 4	D.C. KEYING AND MASTER OSC.
FIG. 5	MAIN AMP - REVERB. - SPKRS.
FIG. 6	LOWER CONSOLE SECTION
FIG. 7	LOWER BACK ASSEMBLIES
FIG. 8	PEDAL KEYBOARD
FIG. 9	LESLIE - TWO SPEED UNIT
FIG. 10	EXPRESSION PEDAL



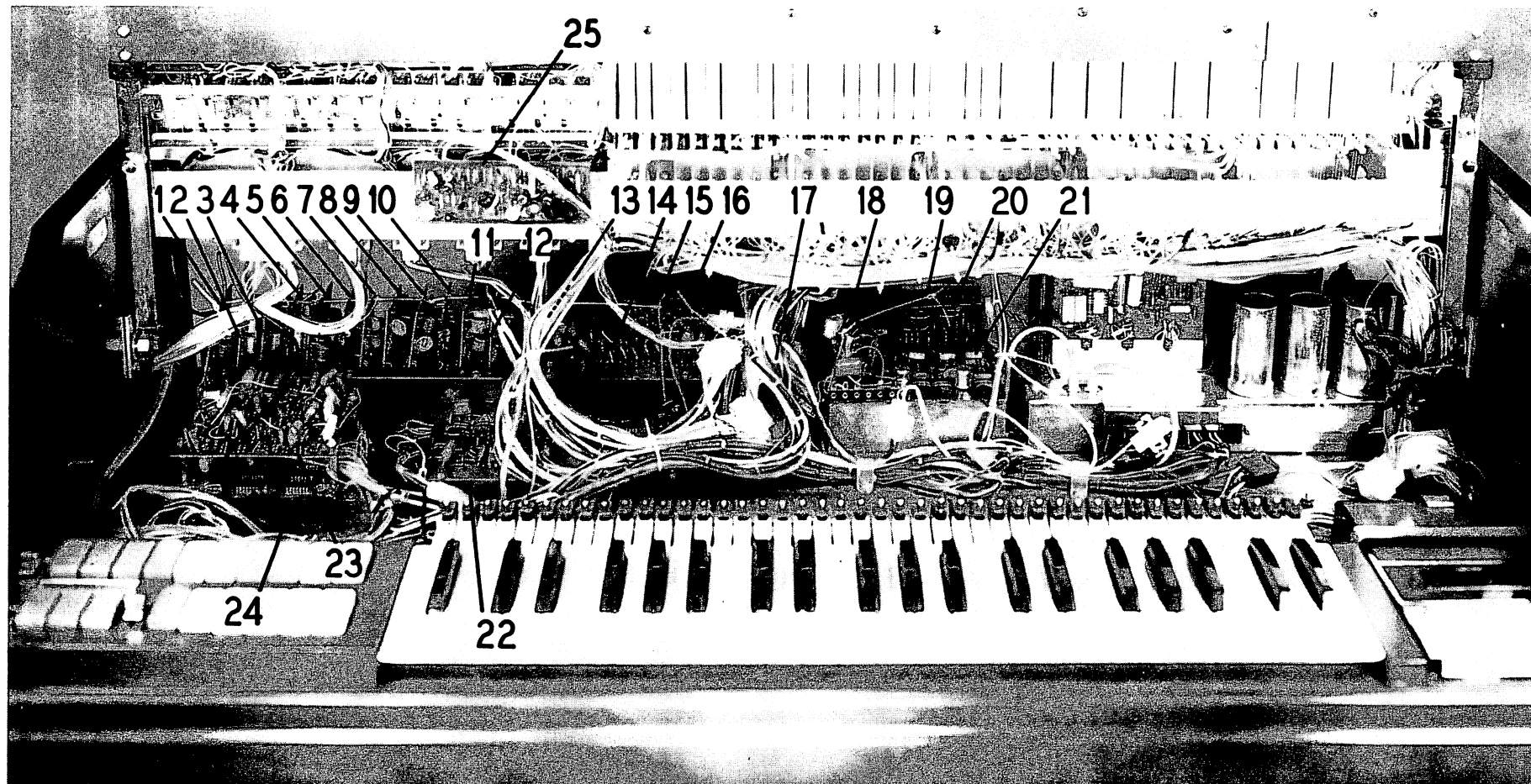
- A. ORBIT III SYNTHESIZER
- B. UPPER KEYBOARD
- C. LOWER KEYBOARD

- 1. Footage Voices
- 2. Leslie Control
- 3. Preset Voices
- 4. Special Effects Controls
- 5. Upper Keyboard Stops
- 6. Pedal Stops
- 7. Tremolo-Vibrato-Leslie Controls
- 8. Preset Voices
- 9. Rhythm and Percussion Stops
- 10. Dancing Chords Controls
- 11. Lower Keybd. Stops
- 12. Cassette



UPPER KEYBOARD RAISED

1. Buss Rods
2. Functional IC Dividers - Part No. 657874

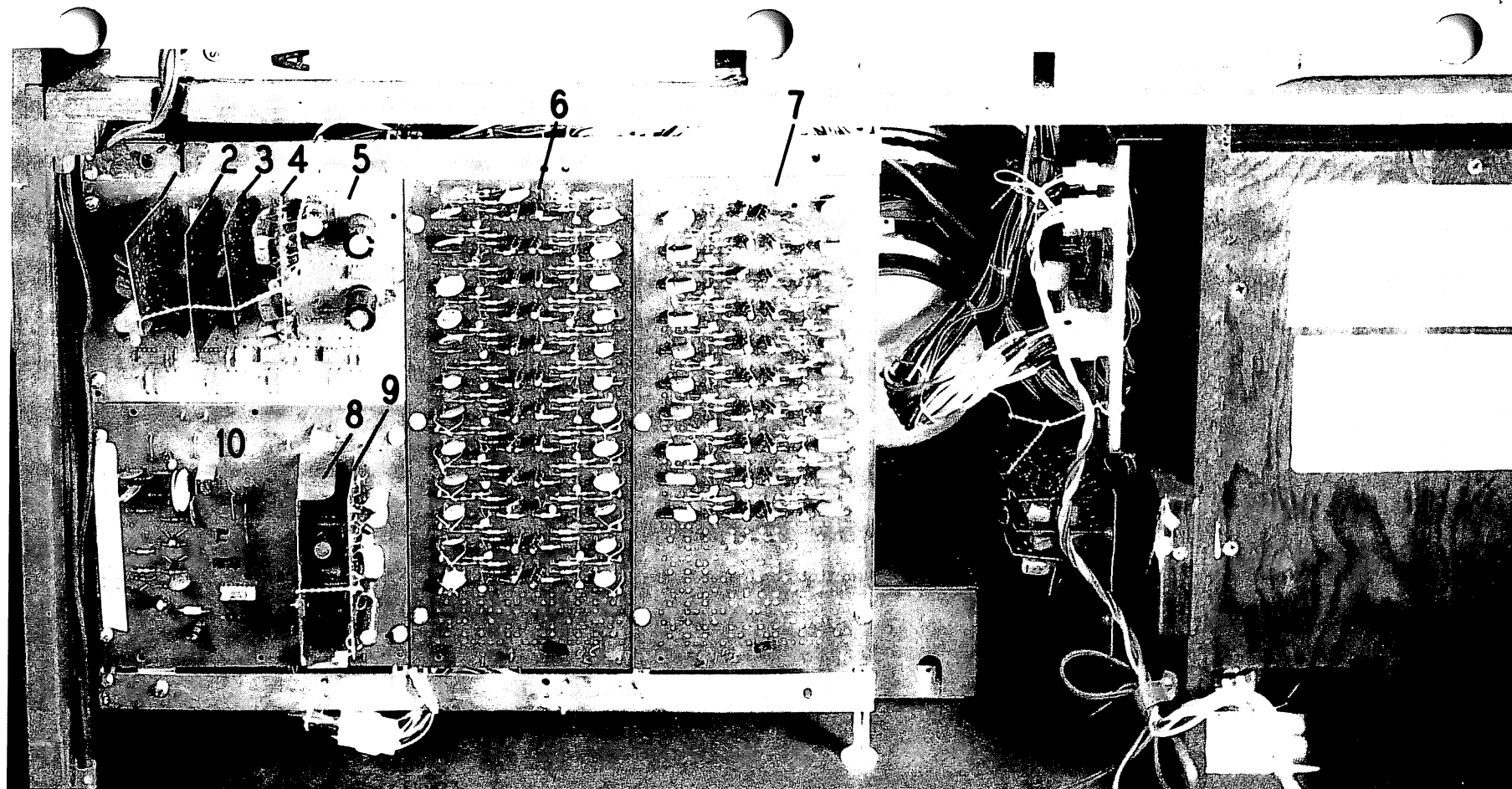


STRAF, TREMOLO, RHYTHM & ARCAP P.C. BOARDS

- | | | |
|--|---|-------------------------------|
| 1. Pedal Straf | 9. 8' Vox Humana Upper & 8' Horn Lower | 17. Straf Junction |
| 2. Tenor Sax 16' | 10. Amp #3 & Amp #4 | 18. Repeat |
| 3. Trombone 16' | 11. Tibia I & II | 19. Amp 7 & 8 |
| 4. Trumpet 16' | 12. Tibia III & IV | 20. Amp 5 & 6 |
| 5. Clarinet 16' | 13. Tibia Inverters | 21. Tremolo & Repeat P.C. Bd. |
| 6. Amp #1 & Amp #2 | 14. Mixing Amp - Str Case Amp - Tibia Inverter P.C. Bd. | 22. Arcap (Dancing Chords) |
| 7. 8' Upper Diapason & 8' Lower Diapason | 15. 16' - 8' & Lower 8' Staircase Amps | 23. Bistr Voice Control Bd. |
| 8. 8' String & 8' Oboe & 8' Lower Viole | 16. 16' - 8' - 4' Square Mixing Amps | 24. Bistr Logic System |
| | | 25. Pulse P.C. Bd. |

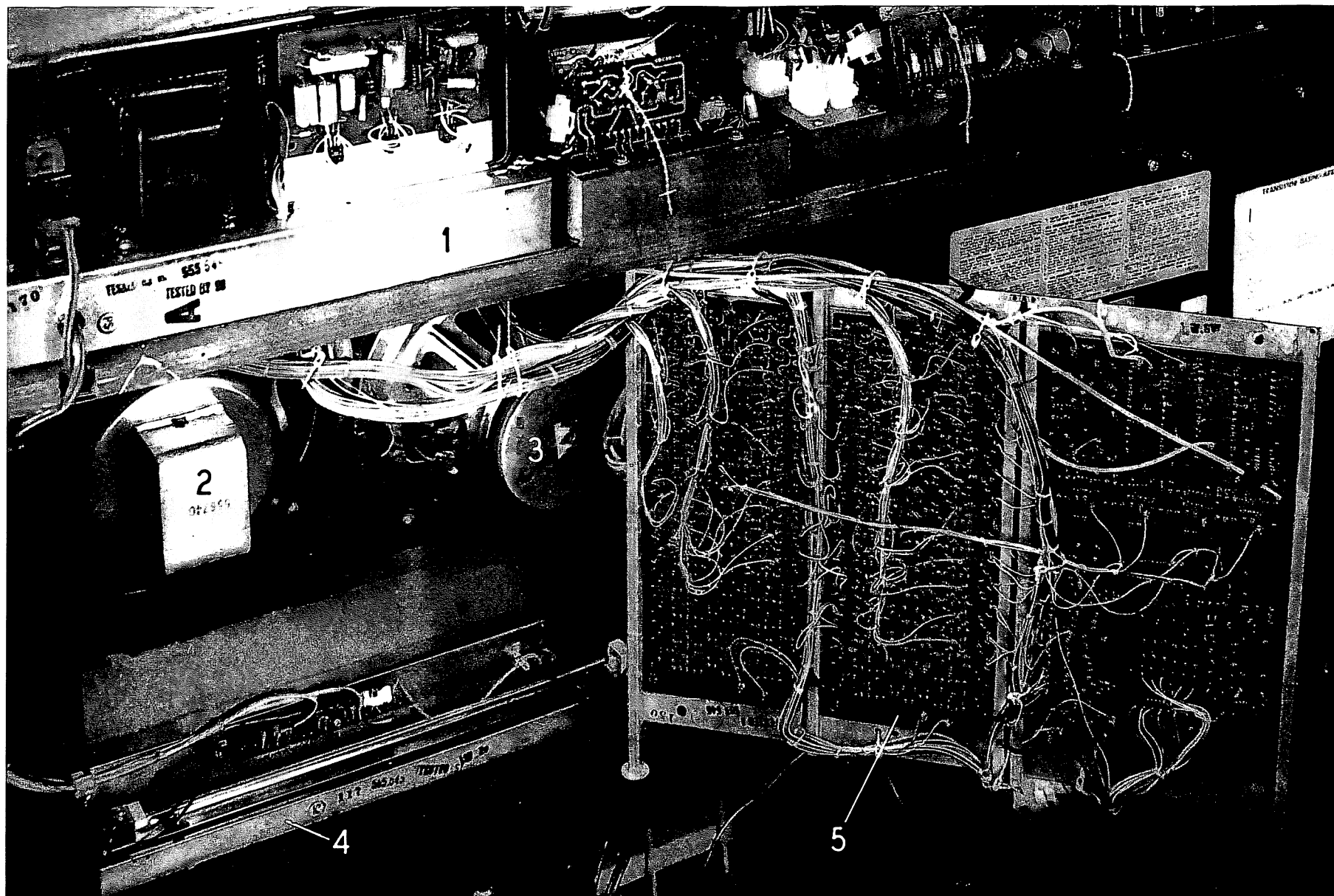
FIG.3

M-545-555



D. C. KEYING AND MASTER OSCILLATOR

1. Piano
2. Guitar
3. Harpsichord
4. Harp
5. Preset Filter P.C. Bd.
6. D.C. Keying C#-38 to C-61
7. D.C. Keying F-18 to C-37
8. Regulator
9. Vibrato
10. Master Osc. - Vibrato - Regulator

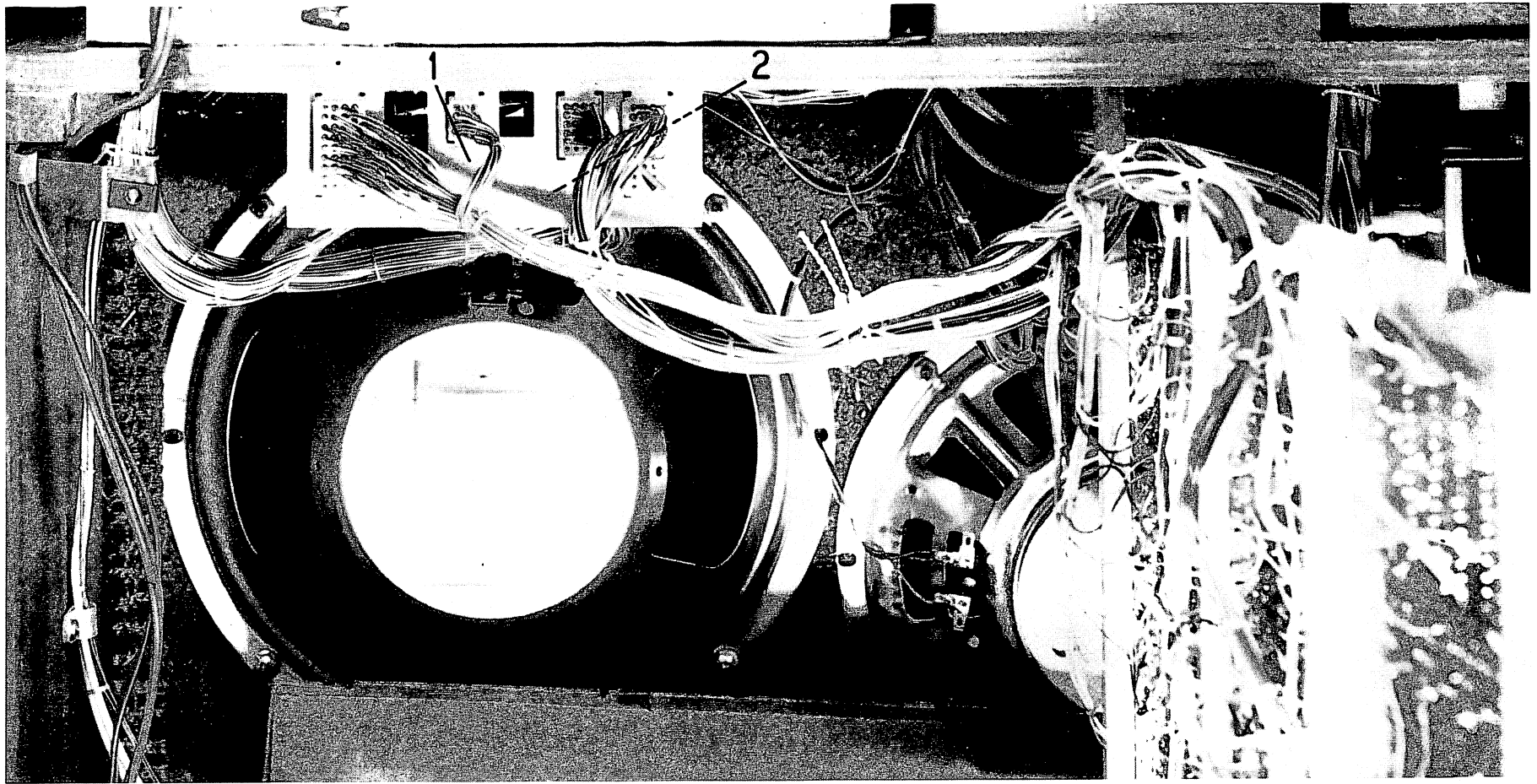


MAIN AMP. - REVERB. - SPKRS.

- | | |
|-------------------------|------------------------------|
| 1. Two Channel Main Amp | 4. Reverb. |
| 2. Console Spkr. | 5. D.C. Keying - Master Osc. |
| 3. 3rd Keybd. Spkr. | P.C. Bds. Hinged Back |

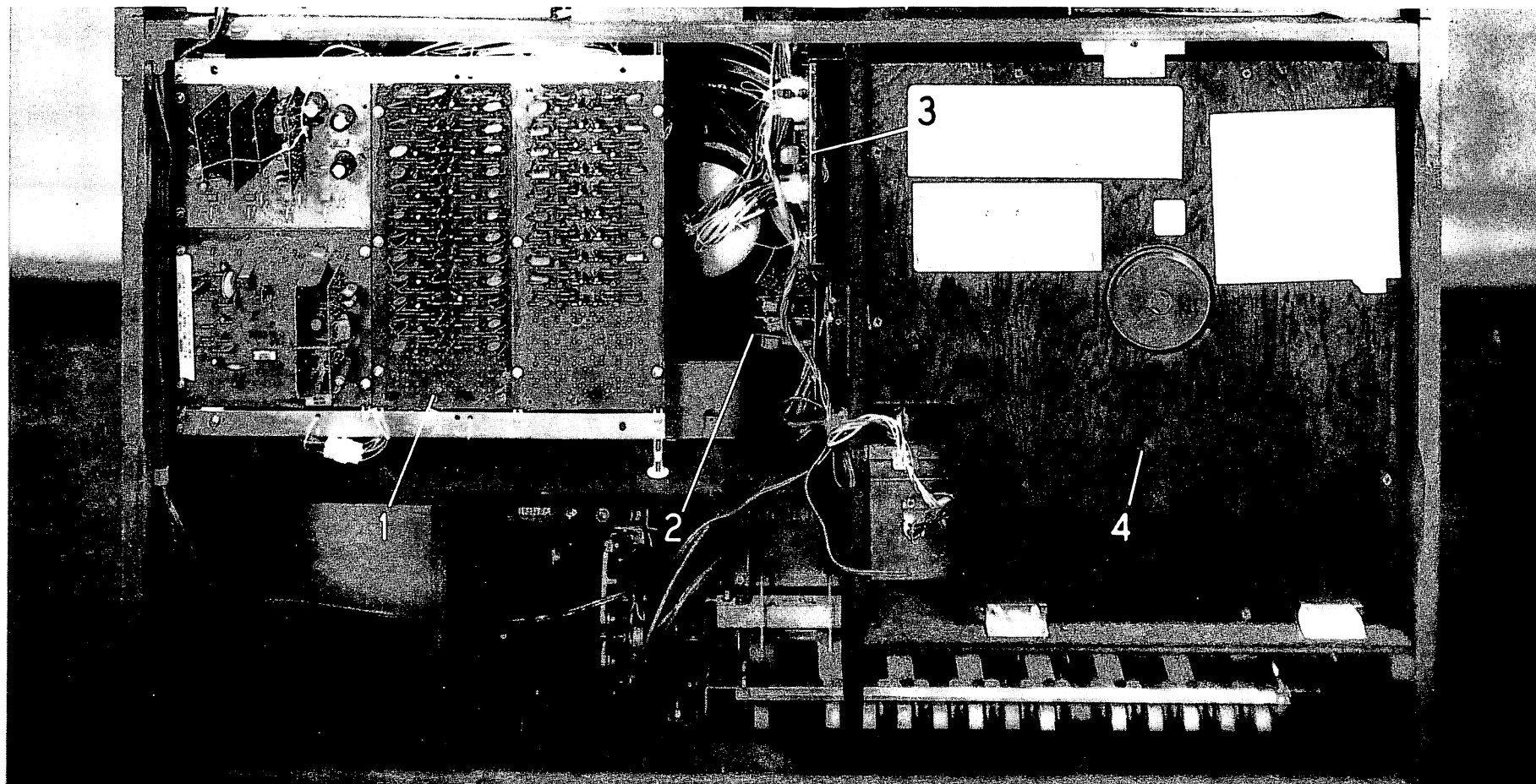
FIG.5

M-545-555



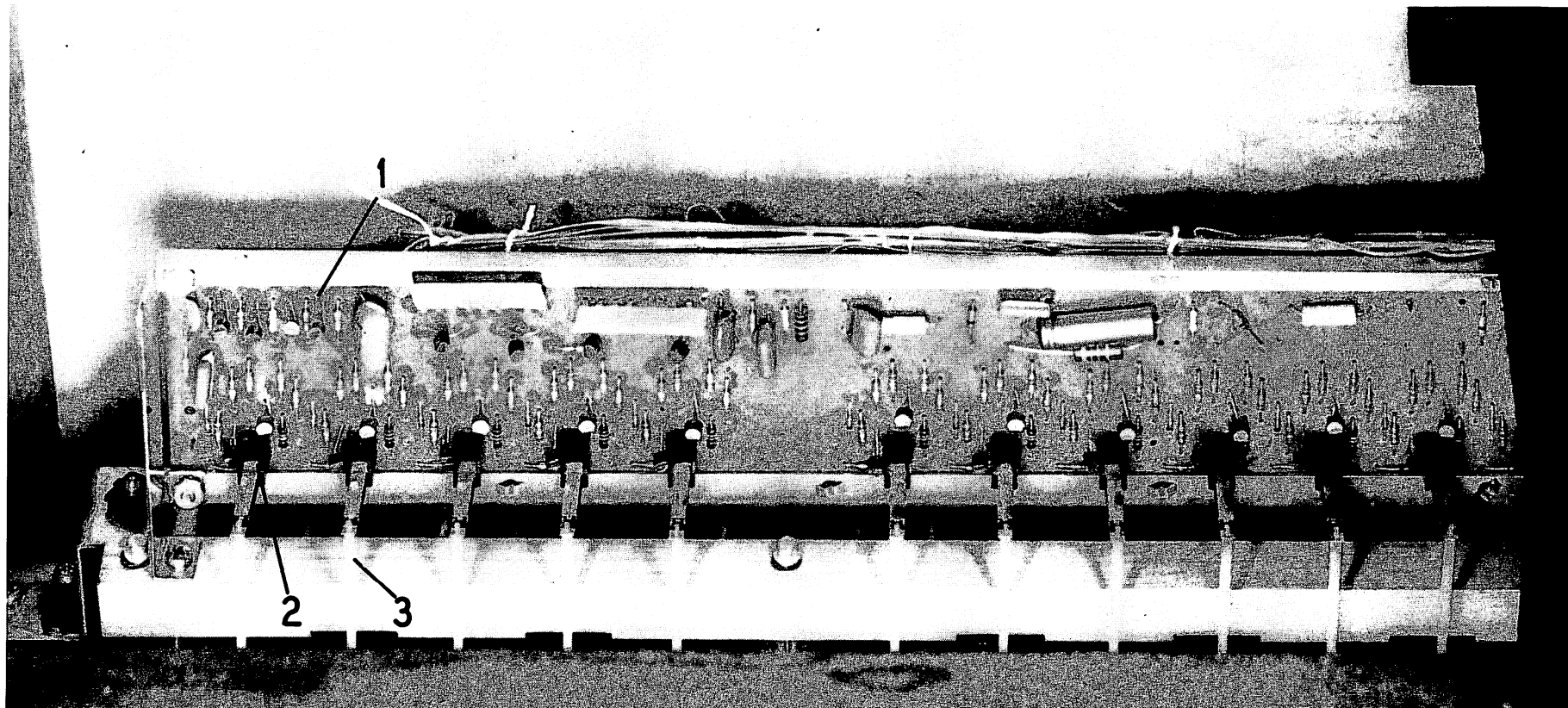
LOWER CONSOLE SECTION

1. Underneath Keybed Cable Junction Unit
2. Lower Keybd. Pulse P.C. Bd. located back of junction unit.



LOWER BACK ASSEMBLIES

1. D.C. Keying and Master Osc.
2. Flute Filters
3. Leslie Sw. P.C. Bd.
4. Leslie 2 Speed unit



PEDAL KEYBOARD

1. Pedal Keybd. P.C. Bd.
2. Pedal Switches
3. Pedal Switch Actuator

LESLIE TWO SPEED UNIT REMOVED

1. Speaker
2. Molded Rotor
3. Slow-Speed Motor
4. Fast-Speed Motor

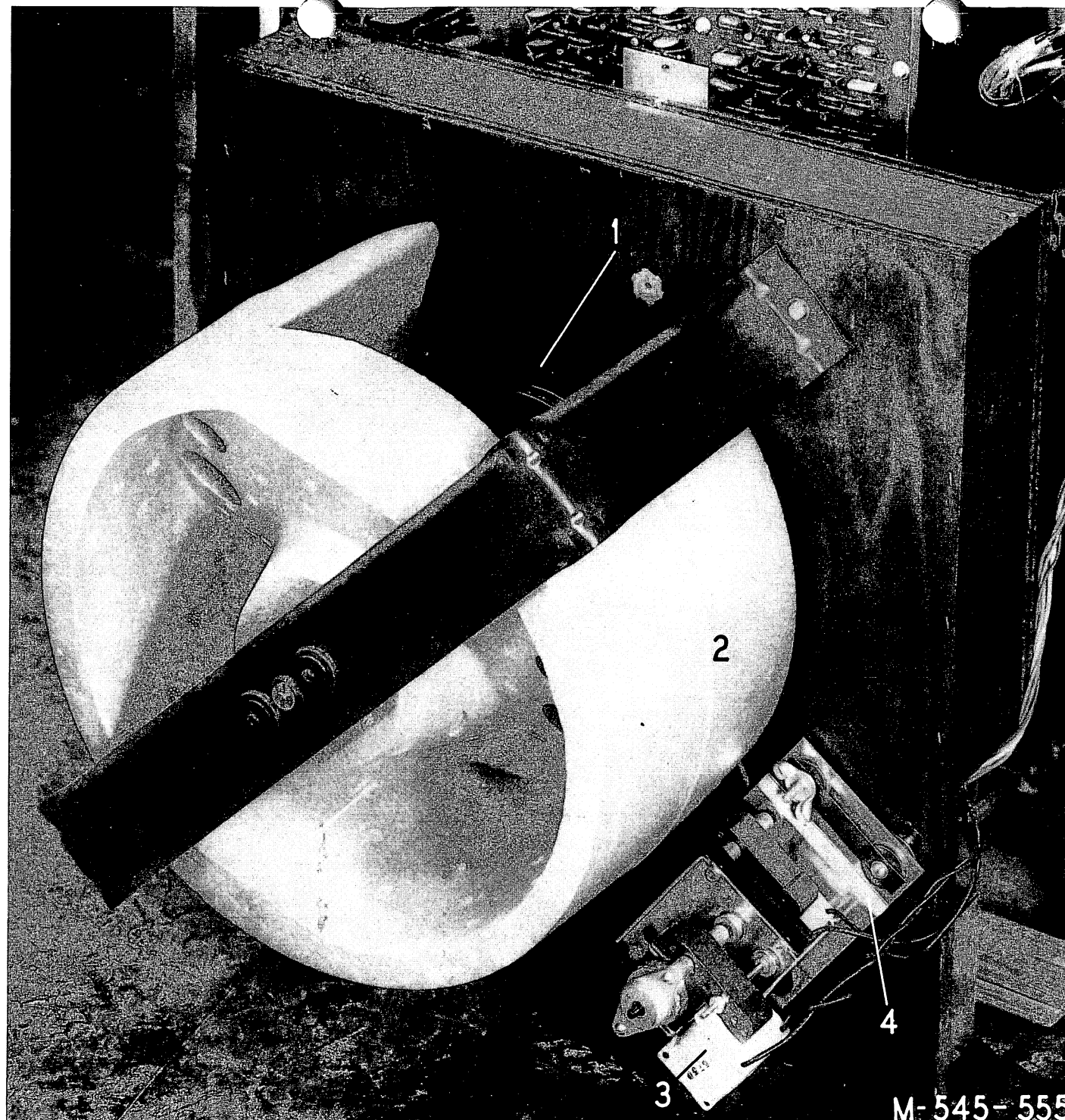
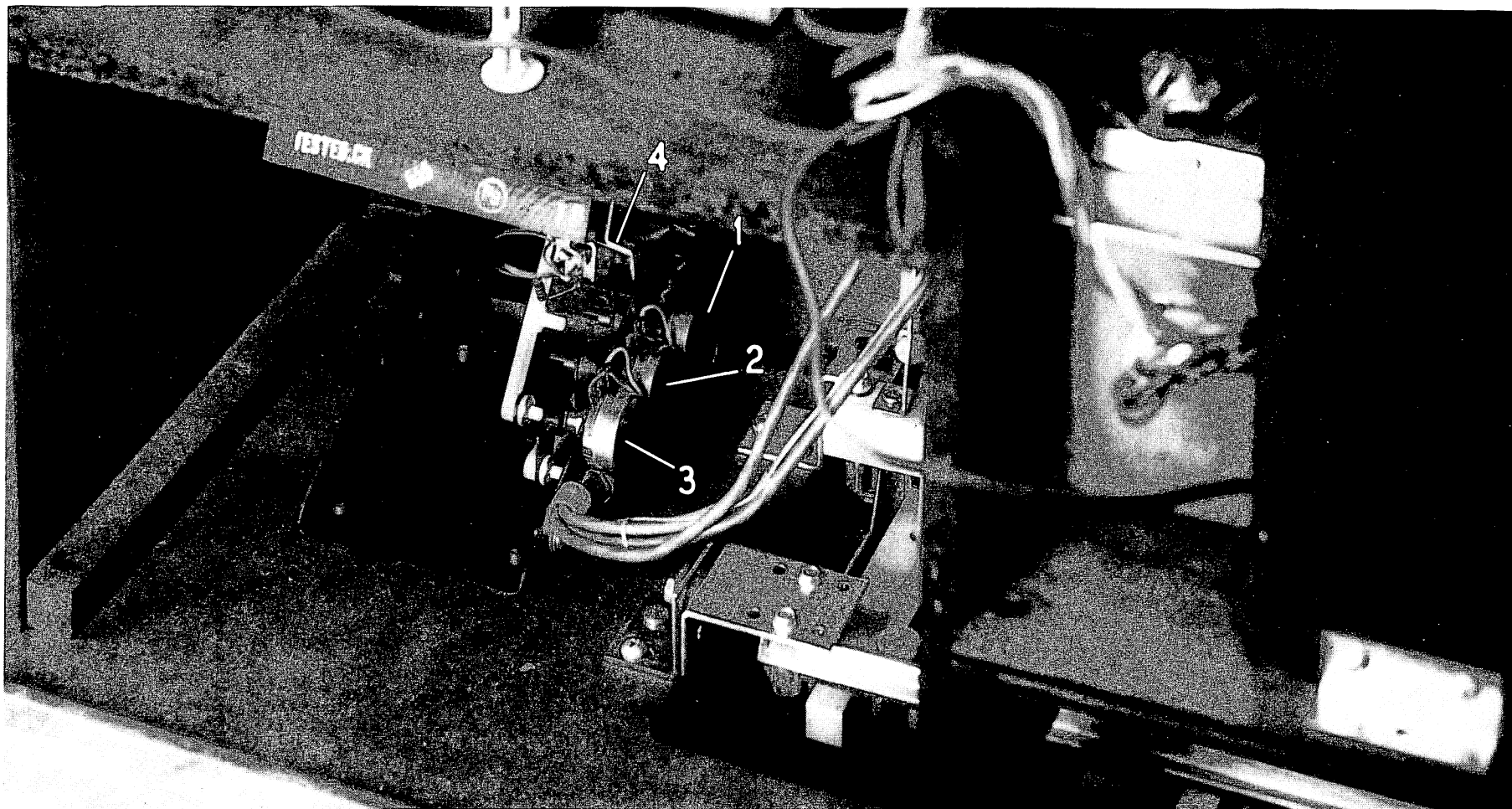


FIG.9

M-545-555



EXPRESSION PEDAL

1. Channel 2 Control 506075
2. 3rd Keybd. Control 506075
3. Channel 1 Control 506075
4. Slide Sw. Unit