

SECTION 4

PARTS LIST

4-1. INTRODUCTION

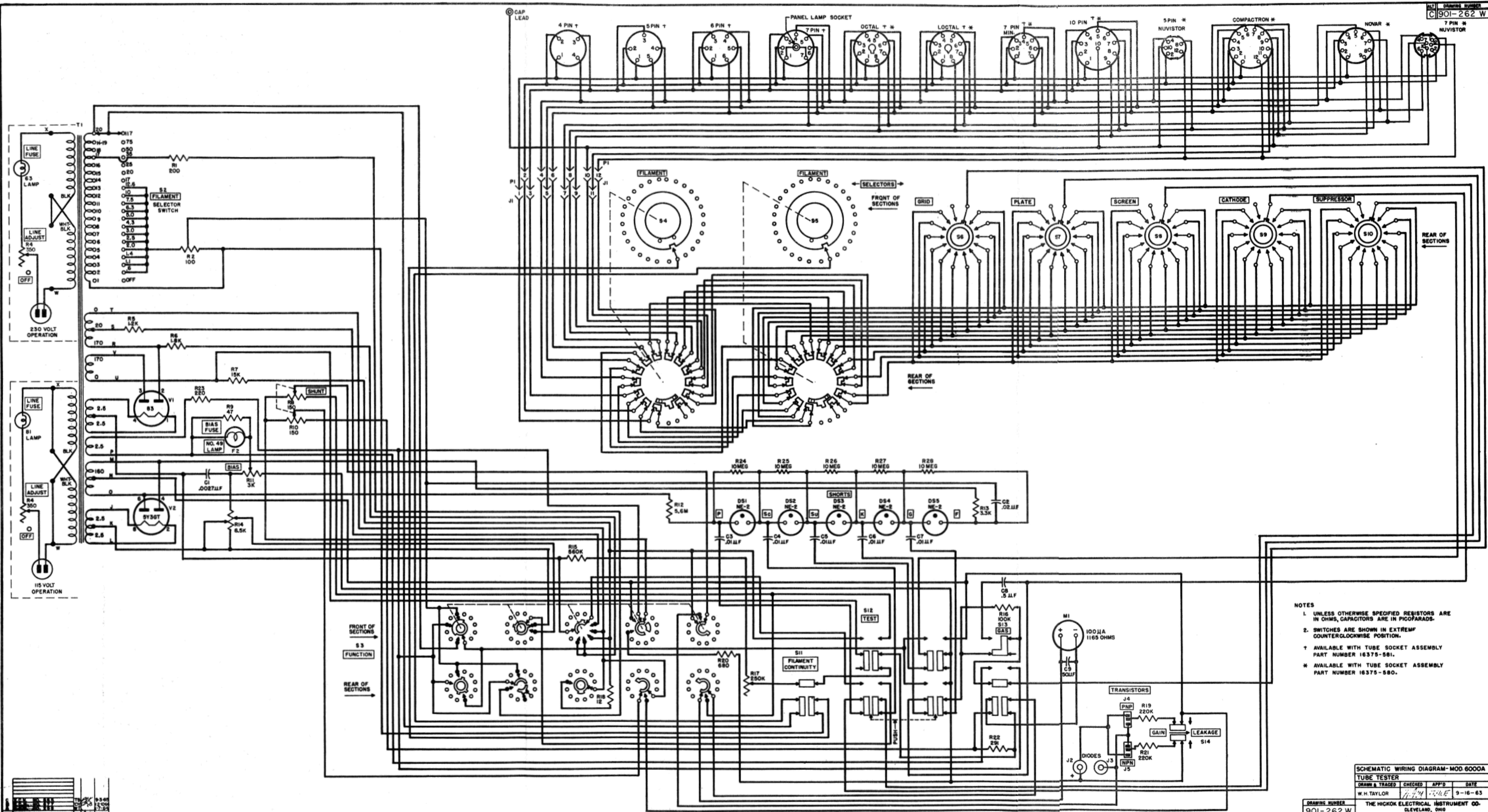
Reference designations are assigned to identify all parts of the Model 6000A, Dynamic Mutual Conductance Tube Tester. These designations are used in the parts list and schematic wiring diagram. The letter prefix of a reference designation indicates the kind of part -- resistor, capacitor, electron tube, etc.

REF. DESIG.	NAME AND DESCRIPTION	HICKOK PART NO.	PRICE EACH
C1	CAPACITOR, FIXED, MICA: 2700 uuf, 10%, 500V.	3095-41	.30
C2	CAPACITOR, FIXED, CERAMIC: .01 uf, +100 -20%, 500V	3110-64	.20
C3	Same as C2		
C4	Same as C2		
C5	Same as C2		
C6	Same as C2		
C7	Same as C2		
C8	CAPACITOR, FIXED, PLASTIC: .5 uf, 200 Volts	3105-206	.35
C9	CAPACITOR, FIXED, ELECTROLYTIC: 50 uf, 6 Volts	3085-45	.55
DS1	LAMP: NE2, neon, 65VAC, 90VDC, 1/25 W. Shorts lamp.	12270-26	.20
DS2	Same as DS1		
DS3	Same as DS1		
DS4	Same as DS1		

REF. DESIG.	NAME AND DESCRIPTION	PART NO.	PRICE EACH
DS5	Same as DS1		
F1	LAMP: #81, bayonet type (For 115 volt operation)	12270-2	. 10
F1	LAMP: #63, bayonet type (For 230 volt operation)	12270-58	. 10
F2	LAMP: #49 pilot, 2 Volts, bayonet type	12270-17	. 10
J2	JACK: red, phenolic	10300-47	. 15
J3	JACK: black, phenolic	10300-48	. 15
M1	METER: 66K; 0-100 ua	660-125	13. 10
MP1 thru MP9	KNOB: bar type, with white dot	11505-46	. 10
MP10	KNOB ASSEMBLY: with pointer	11500-11	. 45
MP11	DIAL ASSEMBLY: BIAS	4160-67	. 65
MP12	DIAL ASSEMBLY: SHUNT	4160-73	. 65
P1	PLUG: octal type, black	16525-186	. 75
P2	CORD: AC line	3675-34	1. 00
R1	RESISTOR, FIXED, DEPOSITED FILM: 200 ohms, 1%, 2 watt	18540-5	. 95
R2	RESISTOR: 100 ohms, 10%, 10 W, center tapped	18575-19	1. 15
R3	Not Assigned		
R4	RHEOSTAT: 350 ohms, 25 Watt, with off position Line Adjust	18750-37	4. 00
R5	RESISTOR, FIXED, COMPOSITION: 1200 ohms, 10%, 1 Watt	18422-122	. 20
R6	RESISTOR, FIXED: 1800 ohms, 10%, 10 Watt	18575-12	. 65
R7	RESISTOR, FIXED, COMPOSITION: 15,000 ohms, 5%, 1 Watt	18423-151	. 35

REF. DESIG.	NAME AND DESCRIPTION	PART NO.	PRICE EACH
R8	POTENTIOMETER: 150-150 ohms, wire wound SHUNT control	16925-90	3. 00
R9	RESISTOR, FIXED, COMPOSITION: 47 ohms, 10%, 1/2 Watt	18410-472	. 10
R10	Part of R8		
R11	POTENTIOMETER: adjusted, 3000 ohms, BIAS Control	16925-5	6. 20
R12	RESISTOR, FIXED, COMPOSITION: 750K ohms, 10%, 1/2 Watt	18414-752	. 10
R13	RESISTOR, FIXED, COMPOSITION: 3300 ohms, 10%, 1/2 watt	18412-332	. 10
R14	RESISTOR, WIRE WOUND, 8500 ohms, 10 Watt	18575-89	1. 60
R15	RESISTOR, FIXED, COMPOSITION: 560K ohms, 10%, 1/2 Watt	18414-562	. 10
R16	RESISTOR, FIXED, COMPOSITION: 100K ohms, 10%, 1/2 Watt	18414-102	. 10
R17	POTENTIOMETER: 250K ohms, 1/2 watt, snap-in type	16925-213	1. 00
R18	RESISTOR, FIXED, COMPOSITION: 12 ohms, 1%, 1/2 watt	18537-59	. 65
R19	RESISTOR, FIXED, COMPOSITION: 220K ohms, 10%, 1/2 watt	18414-222	. 10
R20	RESISTOR, FIXED, COMPOSITION: 680 ohms, 10%, 1/2 Watt	18411-682	. 10
R21	Same as R19		
R22	RESISTOR, FIXED, DEPOSITED FILM: 291 ohms, 1%, 1/2 Watt	18537-89	. 55
R23	RESISTOR, FIXED, COMPOSITION: 220 ohms, 10%, 1/2 Watt	18411-222	. 10
S1	Part of R4, LINE ADJUST		
S2	SWITCH, ROTARY: 1 section, 2 pole, 20 position (FILAMENT)	19912-338	3. 95

REF. DESIG.	NAME AND DESCRIPTION	PART NO.	PRICE EACH
S3	SWITCH, ROTARY: 5 section, 8 position (FUNCTION)	19912-375	5. 95
S4	SWITCH, ROTARY: 1 section, 14 position, (FILAMENT)	19912-477	4. 25
S5	Same as S4 (FILAMENT)		
S6	SWITCH, ROTARY: 1 section, 14 position (GRID)	19912-469	3. 25
S7	Same as S6 (PLATE)		
S8	Same as S6 (SCREEN)		
S9	Same as S6 (CATHODE)		
S10	Same as S6 (SUPPRESSOR)		
S11	SWITCH, PUSH: 3 button type (FILAMENT CONTINUITY)	19910-116	3. 10
S12	SWITCH, (TEST) Part of SII		
S13	SWITCH, (GAS) Part of SII		
S14	SWITCH, SLIDE: DPDT	19911-64	1. 00
T1	TRANSFORMER: (POWER)	20800-305	16. 00
V1	ELECTRON TUBE: #83	20875-28	3. 50
V2	ELECTRON TUBE: #5Y3GT/G	20875-6	1. 75
XV1	SOCKET: Wafer	19350-157	. 20
XV2	SOCKET: Wafer, octal	19350-156	. 20
	ADAPTER: Supplied with instrument, 8 tube sockets, mounted on plate assembly.	1050-142	27. 50
	ADAPTER: 8 tube sockets, mounted on plate assembly.	1050-145	27. 50
	BOOKLET: Instructions	2490-479	1. 50



- NOTES
1. UNLESS OTHERWISE SPECIFIED RESISTORS ARE IN OHMS, CAPACITORS ARE IN PICOFARADS.
 2. SWITCHES ARE SHOWN IN EXTREME COUNTERCLOCKWISE POSITION.
- † AVAILABLE WITH TUBE SOCKET ASSEMBLY PART NUMBER 16375-581.
- * AVAILABLE WITH TUBE SOCKET ASSEMBLY PART NUMBER 16375-580.

SCHEMATIC WIRING DIAGRAM - MOD. 6000A

TUBE TESTER

DRAWN & TRACED	CHECKED	APP'D	DATE
W. H. TAYLOR			9-16-63

DRAWING NUMBER: 901-262 W

THE HICKOK ELECTRICAL INSTRUMENT CO. CLEVELAND, OHIO

ALTERATION



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