SUPPLEMENT NO. 248A
FOR
TUBE CHART NO. 4965

Data listed herein are for testing certain infrequently used tubes on SUPREME Models 504-A, 504-B, 589, 589-A, 599, 599-A Tube Testers.

The Tube Chart number will be found on the paper tube roller chart in the instrument by rolling the chart until the heading below can be seen.

NOTE: This number identifies the chart and NOT the tester.

STOP

No. 4965 - ( )
FOR
MODELS { 504-A, 504-B, 589,
589-A, 599, 599-A.

(1) Notes

(2) Tube settings

(3) Ballast tubes

SUPREME
INCORPORATED

GREENWOOD, MISSISSIPPI U.S.A.

NOTES FOR USE WITH CHART #4965 AND SUPPLEMENTS THERETO

(*) Indicates an octal tube which has an equivalent non-octal tube.

(Dio) Tubes reading above 20 on the 0-100 scale are good.

(A) Nos. 4 and 5 show short.

(B) Tube checked for opening and closing of eye only.

(C) Nos. 2 and 7 show short.

(D) Nos. 4 and 7 show short.

(E) Nos. 4 and 6 show short.

(F) Nos. 2 and 3 show short.

(H) Nos. 5 and 8 show short.

(I) Nos. 7 and 8 show short.

(J) Connect remaining top cap to No. 4 hole of loctal socket.

(K) Nos. 1 and 7 show short.

(L) Nos. 1 and 4 show short.

(M) Nos. 2 and 6 show short.

(N) Nos. 3 and 5 show short.

(P) Nos. 6 and 7 show short.

(R) Nos. 1 and 5 show short.

(S) Push special switch and then push quality.

(T) Indicates tapped filament type.

(U) Nos. 5 and 7 show short.

(V) Nos. 1 and 8 show short.

(W) Nos. 6 and 8 show short.

(X) Nos. 4 and 8 show short.

NOTE

Due to thermionic emission certain types of tubes as listed below may check shorted even though they are not defective. If a tube listed below should show "shorted" when tested in the normal procedure the tube should be removed and allowed to cool. Then before the tube is reinserted in the tester the "Filament Volts Selector" switch, which is the second switch from the left on Models 589, 589-A, 599, 599-A, and the first switch from the left on Models 504-A and 504-B, shouldbe rotated to position "18". This will remove the filament voltage from the tube and allow a shorts test to be made without the thermionic emission obscuring the test.

Tubes which may show short are: 6F8, 25Z6, 25A7, 117Z6, 6H6, 6C8, 117LM7, and 7F7.

00A	1	5	65	B	4
01A	1	5	34	A	4
01B	1	5	34	A	4
01C	1	5	40	A	4
0A4	2	1	41	E	7
1B5*	2	2	57	C	457
1B5*	2	2	80	D	3467
1B5*	2	2	80	D	3456
2A4	2	3	30	C	7
2G5	1	6	90	D	56
2S	1	3	100	B	345
2S	1	3	100	B	245
2W3	2	2	34	A	8
2X3	2	3	30	A	8
2Z2	1	3	49	A	4
4A6	8	2	32	A	2567
4A6	8	2	32	A	2347
6A4	1	6	20	A	5
6F7M*	2	6	42	C	678
6F7M*	2	6	56	A	789
6G6	2	6	18	A	78
6G7	1	6	21	A	57
6G7	1	6	26	C	3457
6G7	1	6	26	C	3467
6H4 (Dio)	2	6	72	B	78
6H7M	2	6	32	C	6789
6H7M*	2	6	58	A	4578
6H7S	1	6	32	C	5679
6H7S	1	6	46	A	3467
6RS	2	6	33	C	78
6S6	2	6	30	C	17
6S7	2	6	30	C	78
6SB7Y	2	6	20	C	67
6SZ7	7	6	85	D	3458
6SZ7 (Dio)	7	6	70	A	2368
6T6	2	6	19	A	78
6T7	2	6	29	C	4578
6T7 (DIO)	2	6	0	B	3789
6U6	2	6	21	C	78
6Y3	**See below.				
6X6 (B)	2	6	100	D	678
6Z3	1	6	58	B	34
6Z4	1	6	25	C	345
6Z4	1	6	25	C	245
10	1	7	19	A	4
12A5 (K)	6	6	19	C	157
12A6	2	8	31	C	78
12A7	1	8	29	A	4567
12A7	1	8	5	C	4679
12B7	1	8	30	C	78
12H6 (Dio)	2	8	62	B	47
12H6 (Dio)	2	8	62	B	78
12Z3	1	8	20	C	34
15	1	2	48	C	45
17	1	8	25	A	45
18	1	8	19	A	56
19	1	2	40	C	456
19	1	2	40	C	236
20	1	4	55	C	4
22S	1	8	60	A	4
29	1	3	30	C	56
40	1	5	40	C	4
44	1	6	25	A	45
48	1	9	22	C	56
49	1	2	40	C	5
50	1	7	29	A	4
51	1	3	35	C	45
52	1	6	32	C	5
55*	2	3	36	C	4578
55 (Dio)	2	3	90	B	3789
59	1	3	57	B	67
59B	1	3	20	A	7
69	1	6	25	A	56
70	1	6	48	A	56
75*	2	6	29	C	4578
75 (Dio)	2	6	75	B	3789
79	1	6	30	C	2346
79	1	6	30	C	4569
81	1	7	54	A	4
85*	2	6	26	A	4578
85 (Dio)*	2	6	80	B	3789
86M	2	6	22	A	78
88M	2	6	19	A	78
89	1	6	20	A	56

** High Voltage Rectifier NO TEST

99	1	4	68	C	4
121B	1	5	50	C	4
182B	1	5	32	C	4
183	1	5	35	C	4
205D	1	5	48	C	4
257	1	5	26	A	5
484	1	4	32	C	45
485	1	4	31	C	45
802	1	6	18	A	67
807	1	6	20	A	45
841	1	7	33	A	4
842	1	7	33	A	4
864	1	1	40	A	4
2051	2	6	30	V	78
7000	2	6	31	C	78
7700	1	6	31	C	56
BH	2	1	50	E	4
BH	2	1	50	E	1
CK501	1	1	57	C	5
CK502	1	1	50	C	5
CK503	1	1	50	C	5
CK504	1	1	55	C	55
GA	1	5	20	A	5
HY-113	1	1	65	A	5
HY-114B(J)	2	1	60	B	7
HY-115	1	1	70	C	5
HY-125	1	1	50	A	5
HY-145	1	1	60	C	5
HY-155	1	1	72	A	5
HY-815(J)	2	6	30	C	78
KR22	1	6	18	A	56
OY4	4	1	32	E	78
PA	1	6	22	A	45
PZH	1	3	20	A	67
R20	1	3	35	A	45
R30	1	3	38	A	45
R32	1	3	39	A	45
R100	1	5	44	A	4
R200	1	5	35	A	4
RK24	1	2	50	C	4
RK33	1	6	28	C	4567
RK33	1	6	28	C	2379
WUND-A	1	3	30	A	56
WUND-AB	1	6	25	A	56

PROCEDURE FOR TESTING BALLAST TUBES

BALLAST TUBES ARE CHECKED FOR OPENS, LOOSE CONNECTIONS, AND BAD WELDS.

FOR MODELS 589-A, 599-A

All ballast tubes are checked with "QUAL-LEAK" switch in "LEAK" position. Set left hand rotary switch in #9 position and push #9 toggle switch *UP*. The neon lamp should glow as the toggle switches whose numbers are listed are pushed *UP*.

FOR MODEL 504-B

Press momentary "RELEASE FOR LEAKAGE" button to release any previously depressed buttons in same row. The ballast tube is inserted in the proper socket. The neon lamp should light when the indicated buttons are pressed. Any flickering of the neon lamp when the tube is tapped indicates a poorly welded joint.

TYPE	SWITCHES UP	TYPE	SWITCHES UP	TYPE	SWITCHES UP
2UR	378	42A(Octal)	378	61KC	378
2VR	378	42A(UX)	14	61MB	378
3CR	378	42AG	378	61MC	378
3ER	378	45W	14	62A	378
5B	134	49W	378	67A	378
6B	134	49B	378	67KB	378
6.125	378	49C	378	67KC	378
6.126	378	50	14	67KD	378
6.129	378	50A2	134	74A	378
6.133	378	50B2	134	74KA	378
6.133A	378	50W	14	74KB	378
6.135	378	50X3	14	74KC	378
10A	378	50X300	14	74KD	378
11AJ	378	50X3T	134	79A	378
17A	378	55A	378	79KB	378
17AJ	378	55KA	378	79KC	378
30AG	378	55KB	378	80A	378
30AJ	378	55KC	378	82A	378
30LB	378	55LB	378	82LB	378
30LC	378	55LC	378	85R8	134
30LD	378	55MB	378	86A	378
36A	378	55MC	378	88A	378
36AG	378	60R30	134	90R8	134
37A	378	60R30G	134	92A	378
40	14	61A	378	94R8	134
40A2	134	61KB	378	95K2	378

TYPE	SWITCHES UP	TYPE	SWITCHES UP	TYPE	SWITCHES UP
100.37	378	165KB(UX)	134	185LC(Octal)	378
100.38	378	165KC(Octal)	378	185LC(UX)	1234
100.45	378	165KC(UX)	134	185M4	134
100.70	378	165KD(Octal)	378	185M8	134
100.77	36	165KD(UX)	1234	185R	14
100R	14	165L4	134	185R4	134
100R4	134	165L8	134	185R8	134
100R8	134	165L44	1234	185R44	1234
115.22	378	165LB(Octal)	378	190K1	378
115.28	378	165LB(UX)	134	200R	14
115.40	378	165LC(Octal)	378	200R4	134
115.41	378	165LC(UX)	134	200R8	134
115.42	378	165LD(UX)	1234	245A	14
115.53	378	165M4	134	245KB(Octal)	378
115.53X	378	165M8	134	245KB(UX)	134
115.55	378	165R	14	245KC(Octal)	378
115.65	378	165R4	134	245KC(UX)	134
120R8	134	165R8	134	250A	14
135K1	378	165R44	1234	250KB(Octal)	378
135K1A	378	170K1	378	250KB(UX)	134
140A	14	180A	14	250KC(Octal)	378
140KB(Octal)	378	180KB(Octal)	378	250KC(UX)	134
140KB(UX)	134	180KB(UX)	134	250L4	134
140KC(Octal)	378	180KC(Octal)	378	250L8	134
140KC(UX)	134	180KC(UX)	134	250M4	134
140L4	134	180KD(Octal)	378	250M8	134
140L8	134	180KD(UX)	1234	250R	14
140L44	1234	185A	14	250R4	134
140LB(Octal)	378	185KB(Octal)	378	250R8	134
140LB(UX)	134	185KB(UX)	134	270KB(Octal)	378
140LC(Octal)	378	185KC(Octal)	378	270KB(UX)	134
140LD(UX)	1234	185KC(UX)	134	270KC(Octal)	378
140M4	134	185KD(Octal)	378	270KC(UX)	134
140M8	134	185KD(UX)	1234	270L4	134
140R	14	185L4	134	270L8	134
140R4	134	185LB	134	270M4	134
140R8	134	185L44	1234	270M8	134
140R44	1234	185LB(Octal)	378	270R	14
160R4	134	185LB(UX)	134	270R8	134
165A	14	185LC(Octal)	378	370	14
165KB(Octal)	378	185LC(UX)	134	2903	378

TYPE	SWITCHES UP
2904	378
2905	378
2906	378
2922	378
2923	378
8593	378
8598	378
16032	378
16035	378
16036	378
A-16040	378
81966-2	378
81996	378
BK-42-D	378
BK-49-D	378
BK-80-B	378
BM-49-B	378
BM-49-C	378
BM-55-C	378
BM-80-C	378
K-42-B	378
K-42-C	378
K-49-C	378
K-55-B	378
K-55-C	378
K-74-B	378
K-78-B	378
K-80-C	378
K-90-B	378
L-42-B	378
L-49-C	378
L-55-B	378
L-55-C	378
M-49-B	378
M-49-C	378
M-55-B	378
M-55-C	378
M-74-B	378
M-74-C	378
M-80-B	378
M-80-C	378

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