

TUBE LIST FOR SUPREME MODEL 400

NO. 4142

GENERAL OPERATING INSTRUCTIONS

Set FILAMENT RETURN SELECTOR as indicated in column (F.R.S.)
Set FILAMENT VOLTS SELECTOR as indicated in column (F.V.S.)
Set QUALITY SELECTOR as indicated in column (Q . S.)
Throw all numerals (including TC) switches up and insert tube in proper socket.

LEAKAGE AND FILAMENT CONTINUITY: Throw each toggle switch up-then back down, one at a time. Neon glow will produce a continuous light under the following conditions.

- (A) Tube elements out of position or shorted.
- (B) Filament continuity when the switch or switches representing one side of the filament pin numbers is thrown up. The other side of the filament is represented by the filament return selector.

QUALITY TEST: Throw only those switches up as indicated in the "SW.UP" column. Depress "Quality Test" switch and observe meter. Example: 234 means 2,3,4 "Sw.Up".

In such cases where two tests are listed (such as multi-purpose tube or full wave rectifier) both sectional tests should be made to determine the merit of the tube. Where three tests appear, the first two tests cover the triode and pentode section and the (dio) indicated the diode sectional test.

SPECIAL INSTRUCTIONS AND SYMBOLS USED IN THIS LIST

- * Indicates Octal tubes.
- A No. 5 shows short.
- B Tube checked for opening and closing of eye only.
- C Heater terminals on side of base--connect these terminals by means of short leads to No. 1 and No. 5 holes in next socket.
- D Heater terminals at top of tube--connect these terminals by means of short leads to No. 1 and No. 5 holes in next socket.
- DIO Tubes reading on this test above 20% scale deflection (1.5 volts on 7 volt scale) are good.
- E Push No. 4 and No. 7 buttons simultaneously during leakage test, as (K) cathode is connected to both No. 4 and No. 7 tube base terminals.
- F When making filament open test, neon bulb should light on both No. 2 and No. 3
- HI Throw "HI-LO" toggle switch to "HI" position. Return to "LO" position after test.
CAUTION: The "HI-LO" switch should be returned to "LO" position when the test is completed. This oversight will cause severe damage to low voltage filaments if tubes are inserted before making proper settings.
- J Filament volts selector should be placed in the blank position between 30 and 1.5 positions.

M Numbers 2 and 6 show short.

"6H5" Throw "6E5, 6G5-6H5" switch to "6F5, 6G5" position.

(S) The letter "S" enclosed in parenthesis appearing adjacent to the tube type indicates foreign types with 14 volt filaments. DO NOT CONFUSE WITH SIMILAR AMERICAN TYPES.

ACCESSORIES PARTS FOR 400 TESTERS

Loctal Adapter (our stock #5545).....	59¢
Bantam Jr. Adapter (our stock #7848.....)	59¢
Miniature Adapter (our stock 5045).....	59¢
Top Cap Connector (our stock #7051.....)	21¢
Tube List (booklet form only).....	25¢

(prices quoted above are subject to change without notice)

THIS LIST SUPERSEDES ALL PREVIOUS LISTS FOR THE ABOVE MODELS

*NOTICE: Due to the number of new tubes issued in the last year, it is impossible to print these on tube cards to fit the lid of your tester. Thus, we have discontinued their use and all listings have, for some time, been issued in booklet form. New tube listings are available from the factory on application. When ordering tube lists, give number of this book and model and serial number of your tester.

TUBE TYPE	PRG	PVS	OS	CS	PL. UP	TUBE TYPE	PRG	PVS	OS	CS	PL. UP
1A	1	5.0	21	b	4	1LMA(DIC)	1	1.5	100	A	2-6-8
1A1A	1	5.0	47	B	4	1LMA	1	1.5	15	C	4-8
1A1B	1	5.0	50	B	4	1LMA	1	1.5	15	B	5-8
1A1C	1	5.0	48	B	4	1L5*	2	1.5	16	C	7
1A4*			TEST	NO		1L6	2	1.5	15	C	7
1A5	2	0	F		2-4	1P5	2	1.5	20	B	7
1A3	2	0	F		5-4	1Q5*	2	1.5	7	C	7
1A4*	2	0	F		3-8	1R5	7	1.5	10	C	1-5
1A4*	2	0	F		5-8	1S4	7	1.5	10	C	1-5
1A4	1	2.0	30	C	4	1S5	1	1.5	10	C	3-7
1A5*	2	1.5	22	C	7	1R5(DIC)	1	1.5	100	C	4-5-6-7
1A6	1	2.0	37	C	6	1T4	7	1.5	15	C	1-5
1A7*	2	1.5	25	C	7	1T5*	2	1.5	16	B	7
1B4	1	2.0	37	B	4	1V	1	6.3	9	E	3-4
1B5	1	2.0	37	B	5-4-6	2A3	1	2.5	6	E	4
1B5(DIC)	1	2.0	100	B	2-5-6	2A5	1	2.5	17	E	5-6
1B7C*	2	1.5	8	C	7	2A6	1	2.5	10	B	3-4-5-6
1B8*	2	1.5	5	B	678PC	2A6(DIC)	1	2.5	100	B	2-5-6-7C
1B8*	2	1.5	20	B	545678	2A6*(DIC)	2	2.5	38	B	3-7-8-TC
1B8* (DIC)	2	1.5	100	B	545678C	2A6*	2	2.5	0	B	4-5-7-8
1C5*	2	1.5	15	C	7	2A7	1	2.5	8	B	6-7
1C6	1	2.0	30	B	6	2B6B	1	2.5	10	B	2-5-6-7
1C7*	2	2.0	32	B	7	2P6	1	2.5	10	B	3-5-6-7
1E5*	2	2.0	25	C	7	2E7(DIC)	1	2.5	92	B	2-3-6-7-TC
1E7*	2	2.0	37	B	7	2E7	1	2.5	15	C	4-5-6-7
1E8* (DIC)	2	1.5	100	B	5-4-5-6-7-TC	2E5	1	2.5	20	B	5-6
1E8*	2	1.5	55	B	3-4-5-7-8	2S	1	2.5	57	C	2-4-5
1E8*	2	1.5	20	B	6-7-8-TC	2S	1	2.5	57	C	3-4-5
1E4*	2	1.5	13	C	7	2W3*	2	2.5	30	E	8
1E5*	2	2.0	27	B	7	2X2	1	2.5	100	F	4
1E7*	2	2.0	15	B	3-4-7	2Y3*	8	2.5	31	B	2
1E7*	2	2.0	15	B	5-6-7	2Y4	1	2.5	19	E	3-4-5
1F4	1	2.0	8	C	5	*2Y4	1	2.5	19	E	2-4-5
1F5*	2	2.0	12	B	7	3A8*	7	1.5	20	B	1-3-4-TC
1F6	1	2.0	24	C	4-5-6	3A8*	7	1.5	100	B	1-2-5-6
1F6(DIC)	1	2.0	100	B	2-3-6-TC	3C5	8	1.5	5	C	2-7
1F7*(DIC)	2	2.0	100	B	5-6-7-TC	3Q5	8	1.5	7	B	2-7
1F7*	2	2.0	42	B	4-5-7	4A6*	8	2.0	18	C	2-3-4-7
1G4*	2	1.5	10	C	7	4A6*	8	2.0	18	C	2-5-6-7
1G5*	2	2.0	31	E	7	5T4*	2	5.0	17	E	4-8
1G6*	2	1.5	12	C	3-4-7	5T4*	2	5.0	17	E	6-8
1G6*	2	1.5	12	C	5-6-7	5U4*	2	5.0	15	E	4-8
1H4*	2	2.0	25	B	7	5U4*	2	5.0	15	E	6-8
1H5*	2	1.5	29	C	5-7	5V4*	2	5.0	5	E	4-8
1H5*(DIC)	2	1.5	29	C	3-7-TC	5V4*	2	5.0	5	E	6-8
1HG*(DIC)	2	2.0	100	B	3-6-7	5W4*	2	5.0	35	E	4-8
1HG*	2	2.0	20	B	4-5-7	5W4*	2	5.0	35	E	6-8
1J5*	2	2.0	16	C	7	5X3	1	5.0	30	E	2-4
1J6*	2	2.0	32	B	3-4-7	5Y3	1	5.0	30	E	3-4
1J6*	2	2.0	32	B	5-6-7	5Y4*	7	5.0	15	E	3-8
1LA4	1	1.5	20	B	8	5Y4*	7	5.0	15	E	5-8
1LAG	1	1.5	55	B	8	5Y3*	2	5.0	35	E	4-8
1LB4	1	1.5	15	C	8	5Y3*	2	5.0	35	E	6-8
1LC5	1	1.5	15	B	58	5Y4*	7	5.0	47	E	3-8
1LC6	1	1.5	35	B	8	5Y4*	7	5.0	47	E	5-8
1LD5	1	1.5	15	C	48	5Z3	1	5.0	18	E	3-4
1LE5(DIC)	1	1.5	100	A	268	5Z3	1	5.0	18	E	2-4
1LE5	1	1.5	13	C	8	5Z4*	2	5.0	6	E	4-8
						*2Z2	1	2.5	56	E	4

TUBE TYPE	FRS	FVS	QS	CS	SW-UP	TUBE TYPE	FRS	FVS	QS	CS	SW-UP
5Z4*	2	5.0	6	E	6-8	6G6*	2	6.3	19	E	7-8
6A3	1	6.3	8	E	4	6G7S	1	6.3	25	E	3-4-5-6-7
6A4	1	6.3	17	E	5	6G7S	1	6.3	12	E	2-3-4-5-7-TC
6A5*	8	3.3	9	B	2-7-8	6G7S	1	6.3	12	E	2-3-5-6-7-TC
6A6	1	6.3	12	E	2-3-4-7	6H4*(DIO)	2	6.3	75	A	7-8
6A6	1	6.3	12	E	4-5-6-7	6H6*(DIO)	2	6.3	70	A	3-4-7-8
6A7	1	6.3	10	B	6-7	6H6*(DIO)	2	6.3	70	A	4-5-7-8
6A7M*	2	6.3	10	E	7-8	6H7M*	2	6.3	10	B	6-7-8-TC
6A8*	2	6.3	9	B	7-8	6H7M*	2	6.3	45	D	3-4-5-7-8
6AB5	1	6.3	10	D	5-6	6H7S	1	6.3	6	C	5-6-7-TC
6AB6*	2	6.3	62	E	7-8	6H7S	1	6.3	31	C	2-3-4-6-7
6AC5*	2	6.3	11	E	7-8	6J5*	2	6.3	3	B	7-8
6AC6*	2	6.3	11	B	7-8	6J7*	2	6.3	9	B	7-8
6AD5*	2	6.3	5	B	7-8	6J8*	2	6.3	29	E	5-6-7-8
6AD6(B)	2	6.3	0	F	4-7-8	6J8*	2	6.3	20	B	3-4-7-8-TC
6AD7*	2	6.3	3	B	578	6K5*	2	6.3	3	B	7-8
6AD7*	2	6.3	7	C	178	6K6*	2	6.3	10	E	7-8
6AE5*	2	6.3	5	E	7-8	6K7*	2	6.3	10	B	7-8
6AE6*	2	6.3	27	E	7-8	6K8*	2	6.3	10	A	5-6-7-8
6AE7*	2	6.3	13	E	57	6K8*	2	6.3	10	A	3-4-7-8-TC
6AE7*	2	6.3	13	E	78	6L5*	2	6.3	11	B	7-8
6AF5	2	6.3	27	A	2-7-8	6L6*	2	6.3	7	E	7-8
6AF6* (B)	2	6.3	0	E	3-7-8	6L7*	2	6.3	5	B	7-8
6AF6* (B)	2	6.3	0	F	3-7-8	6N5	1	6.3	60	C	5-6
6AG7*	2	6.3	9	A	5-7	6N6*	2	6.3	14	C	7-8
6AL6	2	6.3	10	E	7-8	6N7*	2	6.3	9	B	3-4-7-8
6B1*	2	6.3	7	B	7	6N7*	2	6.3	9	B	5-6-7-8
6B5	1	6.3	12	C	5-6	6P5*	2	6.3	14	E	7-8
6B6	1	6.3	14	B	2-5-6-7	6P7*	2	6.3	10	C	3-6-7-8
6B6	1	6.3	14	B	3-4-5-6-7	6P7*	2	6.3	46	C	2-3-4-5-8-5
6B6*(DIO)	2	6.3	71	B	3-7-8-TC	6Q6*	2	6.3	10	B	4-5-7-8
6E6*	2	6.3	8	B	4-5-7-8	6Q6*(DIO)	2	6.3	100	A	3-7-8-TC
6B7	1	6.3	88	B	2-3-6-7-TC	6Q7*(DIO)	2	6.3	65	B	3-7-8-TC
6B7(DIO)	1	6.3	26	B	4-5-6-7	6Q7*	2	6.3	13	B	4-5-7-8
6B8* (DIO)	2	6.3	46	B	3-6-7-8-TC	6R6*	2	6.3	12	B	7-8
6B8*	2	6.3	20	B	4-5-7-8	6R7*	2	6.3	10	B	4-5-7-8
6C5*	2	6.3	10	B	7-8	6R7(DIO)*	2	6.3	47	C	3-7-8-TC
6C6	1	6.3	10	B	5-6	6S6	2	6.3	5	C	17
6C7 (DIO)	1	6.3	91	E	2-6-7-TC	6S7*	2	6.3	6	B	7-8
6C7	1	6.3	12	B	4-5-6-7	6SA7*	2	6.3	4	B	6-7
6C8*	2	6.3	16	E	3-4-7-8-TC	6SC7*	7	6.3	10	B	4-6-8
6C8*	2	6.3	16	E	5-6-7-8	6SC7*	7	6.3	10	B	3-6-8
6D5*	2	6.3	10	B	7-8	6SF5*	8	6.3	5	B	2-7-8
6D6	1	6.3	10	B	5-6	6SJ7*	2	6.3	5	B	5-7
6D7	1	6.3	9	B	6-7	6SK7*	2	6.3	6	B	5-7
6D8*	2	6.3	11	B	7-8	6SR7*(DIO)	8	6.3	44	B	2-3-6-7
6E5	1	6.3	34	B	5-6	6SR7*	8	6.3	40	B	2-3-6-7
6E6	1	6.3	15	E	4-5-6-7	6SR7*(DIO)	8	6.3	5	C	3-4-5-7
6E6	1	6.3	15	E	2-3-4-7	6SQ7*	8	6.3	5	B	3-4-5-7
6E7	1	6.3	5	E	6-7	6T5	1	6.3	34	B	5-6
6F5*	2	6.3	5	B	7-8	6T7*(DIO)	2	6.3	90	E	3-7-8-TC
6F6*	2	6.3	7	C	7-8	6T7*	2	6.3	10	B	4-5-7-8
6F7	1	6.3	10	C	4-5-6-7	6U5	1	6.3	15	C	5-6
6F7	1	6.3	48	C	2-3-6-7-TC	6U6*	2	6.3	1	E	78
6F7M*	2	6.3	10	C	5-6-7-8	6U7*	2	6.3	9	B	7-8
6F7M*	2	6.3	48	C	2-3-4-7-8-TC	6V6*	2	6.3	10	E	7-8
6F8*	2	6.3	22	E	4-7	6V7*(DIO)	2	6.3	60	C	3-7-8-TC
6F8*	2	6.3	28	E	7-8	6V7*	2	6.3	16	B	4-5-7-8
6G5	1	6.3	26	B	5-6	6W5*	2	6.3	10	E	3-7-8
						6W5*	2	6.3	10	E	5-7-8

TUBE TYPE	FRS	FVS	QS	CS	SW-UP	TUBE TYPE	FRS	FVS	QS	CS	SW-UP
6W6	2	6.3	10	E	7-8	12A6	2	12.6	20	E	7-8
6W7*	2	6.3	25	E	7-8	12A7	1	12.6	7	E	2-3-4-6-7-T
6X5*	2	6.3	10	E	3-7-8	12A7	1	12.6	15	C	4-5-6-7
6X5*	2	6.3	10	E	5-7-8	12A8*	2	12.6	5	B	7-8
6X6*			TEST	NO		12B7	1	12.6	5	C	7-8
6Y5	1	6.3	9	E	4-5-6	12B8*	2	12.6	4	B	1-7
6Y5	1	6.3	9	E	3-4-6	12B8*	2	12.6	4	B	6-7
6Y5V	1	6.3	12	E	4-5-6	12C8*	2	12.6	8	C	7-8
6Y5V	1	6.3	12	E	3-4-6	12C8*(DIO)	2	12.6	100	B	3-6-7-8-TC
6Y5*	2	6.3	5	E	7-8	12E5*	2	12.6	9	B	7-8
6Y7*	2	6.3	31	E	5-6-7-8	12F5*	2	12.6	3	C	7-8
6Y7*	2	6.3	31	E	3-4-7-8	12J5*	2	12.6	20	E	7-8
6Z4	1	6.3	10	E	3-4-5	12J7*	2	12.6	55	A	7-8
6Z 4	1	6.3	10	E	2-4-5	12K7*	2	12.6	10	B	7-8
6Z5	1	6.3	9	E	2-3-4-6	12K8*	2	12.6	100	E	5-6-7-8
6Z5	1	6.3	9	E	2-4-5-6	12K8*	2	12.6	100	F	3-4-7-8-TC
6ZY5*	2	6.3	19	E	3-7-8	12Q7*	2	12.6	5	B	7-8
6ZY5*	2	6.3	19	E	5-7-8	12Q7*(DIO)	2	12.6	40	B	7-8-TC
6Z6*	2	6.3	9	E	3-4-7-8	12SA7*	2	12.6	2	B	6-7
6Z6*	2	6.3	9	E	4-5-7-8	12SC7*	7	12.6	7	C	2-3-6-8
6Z7*	2	6.3	20	E	3-4-7-8	12SC7*	7	12.6	7	C	4-5-6-8
6Z7*	2	6.3	20	E	5-6-7-8	12CF5*	7	12.6	20	E	8
7A4	1	6.3	5	C	7-8	12SJ7*	2	12.8	4	C	5-7
7A5	1	6.3	100	F	7-8	12SK7*	2	12.6	5	C	5-7
7A6	1	6.3	15	B	2-8	12SR7*	7	12.6	8	C	3-8
7A6	1	6.3	15	B	7-8	12SR7	7	12.6	20	E	3-4-5-8
7A7	1	6.3	5	B	7-8	12SR7(DIO)	7	12.6	40	B	2-3-6
7A8	1	6.3	9	B	7-8	12Z3	1	12.6	6	E	3-4
7B4	1	6.3	5	C	7-8	12Z5	4	6.3	5	E	1-2-3-5-7
7B5	1	6.3	5	C	7-8	12Z5	4	6.3	5	E	1-3-5-8-7
7B6 (E)	1	6.3	4	C	4-7-8	14	1	14.0	9	C	4-5
7B6(DIO)	1	6.3	29	B	2-3-4-7-8	14A5	1	12.6	100	F	78
7B7	1	6.3	8	B	7-8	14A7	1	12.6	5	C	7-8
7B8	1	6.3	4	B	7-8	14A7	1	12.6	5	B	7-8
7C5	1	6.3	21	A	7-8	14B6	1	12.6	4	C	4-7-8
7C6 (E)	1	6.3	8	B	4-7-8	14B6(DIO)	1	12.6	29	B	2-3-4-7-8
7C6 (DIO)	1	6.3	25	A	4-5-6-7-8	14B8	1	12.6	4	E	7-8
7C7	1	6.3	47	A	7-8	14C5	1	12.6	21	A	7-8
7E6(DIO)	1	6.3	25	A	4-7-8	14C7	1	12.6	47	A	7-8
7E6	1	6.3	25	A	4-5-6-7-8	14F6(E)	1	12.6	25	A	4-7-8
7E 7	1	7.5	11	B	3-4-7-8	14E6(DIO)	1	12.6	25	A	4-5-6-7-8
7E7(DIO)	1	7.5	80	B	2-5-6-7-8	14F7	1	12.6	6	B	28
7F7	1	6.3	6	B	28	14F7	1	12.6	6	D	7-8
7F7	1	6.3	6	B	7-8	14H7	1	12.6	25	A	7-8
7F7	1	7.5	6	B	2-8	14J7	1	12.6	15	A	7-8
7F7	1	7.5	6	B	7-8	14N7	1	12.6	6	B	2-8
7G7	See type	123				14N7	1	12.6	6	B	3-8
7H7	1	6.3	25	A	7-8	14Q7	1	12.6	25	A	7-8
7J7	1	7.5	15	A	7-8	14Y4	1	12.6	11	E	6-7-8
7L7	1	6.3	0	B	7-8	14Y4	1	12.6	11	E	3-7-8
7N7	1	6.3	6	B	28	15	1	2.0	27	B	4-5
7N7	1	6.3	6	B	3-8	17	1	14.0	16	B	4-5
7Q7	1	7.5	25	A	7-8	18	1	14.0	10	B	5-6
7Y4	1	6.3	11	E	6-7-8	19	1	2.0	18	B	2-3-6
7Y4	1	6.3	11	E	3-7-8	19	1	2.0	18	B	4-5-6
10	1	7.5	10	D	4	20	1	3.3	47	C	4
10S	1	7.5	10	D	4	22	1	3.3	65	C	4
12A	1	5.0	8	C	4	22(S)	1	14.0	46	D	4
12A5	6	6.3	13	E	1-5-7	24*	2	2.5	13	B	7-8

TUBE TYPE	FRS	FVS	QS	CS	SW-UP	TUBE TYPE	FRS	FVS	QS	CS	SW-UP
24A	1	2.5	8	C	4-5	40	1	5.0	40	B	4
25A6*	2	25.0	5	B	7-8	40S	1	14.0	26	D	4
25A7*	2	25.0	10	A	7-8	40Z5*	7	30.0	0	B	2-3-8
25A7*	2	25.0	5	E	1-7	41	1	6.3	13	E	5-6
25AC5*	2	25.0	10	E	7-8	41M*	2	6.3	15	B	7-8
25B5	1	25.0	11	B	5-6	42	1	6.3	11	E	5-6
25B6*	2	25.0	3	E	7-8	43	1	25.0	10	E	5-6
25B8*	2	25.0	20	A	6-7	42*	2	25.0	4	B	7-8
25B8*	2	25.0	25	A	1-7	45	1	2.5	19	E	4
25C6*	2	25.0	10	A	2-7-8	45Z5*	7	30.0	5	E	2-3-8
25D8*	2	25.0	10	B	5-7-8	46	1	2.5	14	E	5
25D8*	2	25.0	5	B	7-8-TC	47	1	2.5	16	E	5
25D8*(DIO)	2	25.0	100	C	1-5-6-TC	48	1	30.0	8	E	5-6
25L6*	2	25.0	5	E	7-8	48 (S)	1	14.0	85	E	4
25N6*	2	25.0	11	B	7-8	49	1	2.5	21	B	5
25X6*	2	25.0	4	B	4-7	50	1	7.5	10	D	4
25X6*	2	25.0	4	B	7-8	50A5 (J)	1	50.0	9	E	7-8
25Y4*	2	25.0	11	A	2-7-8	50C6	2	50.0	9	E	7-8
25Y5	1	25.0	15	E	3-4-5-6	50L6*	2	50.0	9	E	7-8
25Y5	1	25.0	15	E	2-3-4-6	50Y6*	2	50.0	10	A	4
25Z 3	1	25.0	5	E	3-4-5-6	50Y6*	2	50.0	10	A	8
25Z4*	2	25.0	0	E	7-8	50Z7	2	50.0	20	A	4-6-7
25Z5	1	25.0	5	E	3-4-5-6	50Z7	2	50.0	20	A	6-7-8
25Z5	1	25.0	5	E	2-3-4-6	51*	2	2.5	12	B	7-8
25Z5*	2	25.0	4	E	2-3-7-8	52	1	6.3	12	B	5
25Z5*	2	25.0	4	E	4-5-7-8	53	1	2.5	14	E	4-5-6-7
25Z6*	2	25.0	5	E	3-4-7-8	53	1	2.5	14	E	2-3-4-7
25Z6*	2	25.0	5	E	4-5-7-8	55 (DIO)	1	2.5	85	B	2-5-6-TC
26	1	1.5	31	B	4	55	1	2.5	15	B	3-4-5-6
26S	1	14.0	44	D	4	55*(DIO)	2	2.5	41	B	3-7-8-TC
27	1	2.5	15	B	4-5	55*	2	2.5	24	B	4-5-7-8
27*	2	2.5	13	B	7-8	56	1	2.5	15	B	4-5
29	1	2.5	10	B	5-6	56*	2	2.5	10	B	7-8
30	1	2.0	44	B	4	57	1	2.5	9	B	5-6
30 (S)	1	14.0	38	D	4	57*	2	2.5	10	B	7-8
30K	1	2.0	35	B	4	58	1	2.5	10	B	5-6
31	1	2.0	34	B	4	58*	2	2.5	10	B	7-8
32	1	2.0	32	B	4	59	1	2.5	6	C	6-7
32L7*	2	30.0	0	D	1-7	59B	1	2.5	7	C	7
32L7*	2	30.0	2	D	7-8	69	1	6.3	9	C	5-6
32(S)	1	14.0	46	D	4	70	1	6.3	23	C	5-6
33	1	2.0	10	C	5	70A7*HI	2	3.3	0	C	1-6-7-8
34	1	2.0	30	B	4	70L7*HI	2	3.3	7	A	6-7
34M*	2	2.0	50	B	7-8	70L7*HI	2	3.3	7	A	1-7
35	1	2.5	15	E	4-5	71A	1	5.0	9	C	4
35A5	1	35.0	2	E	7-8	75	1	6.3	8	B	3-4-5-6
35L6*	2	35.0	3	E	7-8	75(DIO)	1	6.3	95	B	2-5-6-TC
35Y4	7	35.0	0	B	2-8	75*(DIO)	2	6.3	40	B	3-7-8-TC
35Z3	1	35.0	1	B	7-8	75*	2	6.3	9	B	4-5-7-8
35Z4*	2	35.0	0	E	7-8	76	1	6.3	9	B	4-5
35Z5*	7	35.0	0	E	2-8	77	1	6.3	9	B	5-6
35Z 6	2	50.0	55	E	4-7	77*	2	6.3	9	B	7-8
35Z6	2	50.0	35	E	7-8	77M*	2	6.3	9	B	7-8
36	1	6.3	15	B	4-5	77HG	2	2.5	0	F	4
37	1	6.3	11	B	4-5	78	1	6.3	10	B	5-6
38	1	6.3	9	B	4-5	78*	2	6.3	13	B	7-8
39	1	6.3	6	C	4-5	79	1	6.3	8	B	2-3-4-6

TUBE TYPE	FRS	FVS	QS	CS	SW-UP	TUBE TYPE	FRS	FVS	QS	CS	SW-UP
79	1	6.3	8	E	4-5-6-TC						
80	1	5.0	45	E	3-4	486	1	3.3	45	B	5
80	1	5.0	45	E	2-4	802	1	6.3	10	B	6-7
80*	2	5.0	40	E	4-8	807	1	6.3	34	B	4-5
80*	2	5.0	40	E	6-8	841	1	7.5	17	D	4
81	1	7.5	15	D	4	842	1	7.5	22	D	4
82	1	2.5	0	F	2-4	864	1	1.5	24	C	4
82	1	2.5	0	F	3-4	950	1	2.0	20	B	5
83	1	5.0	0	F	2-4	1221	1	6.3	80	A	5-6
83	1	5.0	0	F	3-4	1223*	2	6.3	41	A	7-8
83V	1	5.0	5	E	2-4	1231	1	6.3	9	A	7-8
83V	1	5.0	5	E	3-4	1232	1	6.3	10	A	7-8
846Z4	1	6.3	8	E	4-5	1612*	2	6.3	11	D	7-8
85 (DIO)	1	6.3	74	B	2-5-6-TC	1851*	2	6.3	10	A	7-8
85	1	6.3	12	B	3-4-5-6	1852*	2	6.3	7	A	5-7
85*(DIO)	2	6.3	30	B	3-7-8-TC	1853*	2	6.3	0	B	5-7
85*	2	6.3	23	B	4-5-7-8	7000*	2	6.3	10	B	7-8
85AS(DIO)	1	6.3	12	B	2-5-6-TC	7700	1	6.3	10	B	5-6
86	1	6.3	10	B	4-5	BH			100	E	2
86LI*	2	6.3	10	B	7-8	BR	5		100	F	1
87S	1	6.3	8	B	5-6	CK501	1	1.5	40	B	5
88M*	2	6.3	27	E	7-8	CK502	1	1.5	40	B	5
88S	1	6.3	9	B	5-6	CK503	1	1.5	40	B	5
89	1	6.3	9	B	5-6	CK504	1	1.5	40	B	5
99	1	3.3	40	C	4	GA	1	5.0	8	C	5
101F	1	3.3	50	E	4	HY113	1	1.5	100	B	5
117L7* HI	1	30.0	15	C	7-8	HY115	1	1.5	40	B	5
117L7*HI	1	30.0	15	C	1-7	HY125	1	1.5	40	B	5
117M7(HI)	1	30.0	15	C	78	HY145	1	1.5	40	B	5
117M7(HI)	1	30.0	15	C	1-7	HY155	1	1.5	100	B	5
117N7(HI)	2	30.0	0	C	678	KR22	1	6.3	8	B	5-6
117Z6*HI	1	2.0	15	A	4	PA	1	6.3	11	B	4-5
117Z6*HI	1	2.0	15	A	8	PZH	1	2.5	8	B	6-7
117Z6*HI	2	30.0	15	A	4-7	R20	1	2.5	11	B	4-TC
117Z6*HI	2	30.0	15	A	7-8	R30	1	2.5	20	B	4-5
121B	1	5.0	47	D	4	R32	1	2.5	15	B	4-TC
121C	5	3.3	18	B	1-4	R100	1	4.0	11	D	4
182B	1	5.0	10	C	4	R200	1	5.0	9	D	4
183	1	5.0	8	C	4	RK24	1	2.0	20	B	4
205D	1	5.0	49	B	4	RK33	1	6.3	11	B	6-7
257	1	5.0	10	C	5	RK33	1	6.3	11	B	2-7
274A	1	5.0	6	B	2-3	WUND-A	1	2.5	12	B	5-6
401	TC	3.3	10	C	1-4	WUND-AB	1	6.3	14	B	5-6
403	TC	3.3	6	C	1-4	WX12	1	1.5	50	B	4
484	1	3.3	6	B	4-5	XXD	1	6.3	6	B	7-8
485	1	3.3	9	B	4-5	XXD	1	6.3	6	B	2-8
						XXL	1	6.3	5	C	7-8



www.StevenJohnson.com

**Antique Technolgy, Tube Radios and Test Equipment
Vintage Schematics, and Publications**

Steve's Antique Technology