HICKOK

MODEL 6000—6000A—6005
SUPPLEMENTARY DATA
EUROPEAN TUBE TYPES

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10514 DUPONT AVENUE • CLEVELAND 8, OHIO, U.S.A.

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THE HICKOK ELECTRICAL INSTRUMENT COMPANY • CLEVELAND, OHIO, U.S.A.

3200-78 5-1-63

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS
1AJ4	1.4	HR-6230-0	25	0	A	600	
1M3	1.4	EV-1800-0	--	--	F	---	Adjust bias to vary bar length. Do not adjust bias below 25.
1N3	1.4	EV-1800-0	--	--	F	---	Adjust bias to vary bar length. Do not adjust bias below 25.
2FY5	2.5	ET-2501-6	19	90	A	5750	
3AJ8	3.0	EV-2613-7	11	65	A	1500	Heptode Section
3AJ8	3.0	EV-9803-2	15	81	A	3000	Triode Section
3BX6	3.0	EV-2781-9	10	86	A	4200	
3BY7	3.0	EV-2781-9	12	81	A	3000	
3FY5	3.0	ET-2501-6	19	90	A	5750	
4BL8	4.3	EV-2637-1	12	81	A	3000	Pentode Section
4BL8	4.3	EV-9108-6	26	85	A	4000	Triode Section
4BN4	4.3	ET-2501-0	19	88	A	5000	
4CM4	4.3	EV-2103-0	20	88	A	4400	
5AR4	5.0	JS-0600-0	0	90	D	----	Plate No. 1
5AR4	5.0	JS-0400-0	0	90	D	----	Plate No. 2
6AJ8	6.3	EV-2613-7	11	65	A	1500	Heptode Section
6AJ8	6.3	EV-9803-2	15	81	A	3000	Triode Section
6AK8	6.3	EV-8907-6	11	56	A	1200	Triode Section
6AK8	6.3	EV-0607-1	0	26	C	----	Diode No. 1
6AK8	6.3	EV-0203-7	0	77	C	----	Diode No. 2
6AK8	6.3	EV-0107-8	0	77	C	----	Diode No. 3
6AL3	6.3	EV-0009-0	0	93	D	----	
6AM5	6.3	ET-1572-0	20	79	A	2600	
6AM6	6.3	ET-1572-6	11	81	A	3000	
6AQ4	6.3	ET-1702-0	11	85	A	4000	
6AQ8	6.3	EV-7608-9	14	84	A	3600	Triode No. 1
6AQ8	6.3	EV-2103-9	11	81	A	3000	Triode No. 2
6BD7A	6.3	EV-2103-0	11	62	A	1400	Triode Section
6BD7A	6.3	EV-0603-0	0	28	C	----	Diode No. 1
6BD7A	6.3	EV-0803-0	0	28	C	----	Diode No. 2
6BJ5	6.3	ET-1572-0	10	89	A	5000	
6BK8	6.3	EV-9613-8	11	65	A	1500	
6BL8	6.3	EV-2637-1	12	81	A	3000	Pentode Section
6BL8	6.3	EV-9108-6	26	85	A	4000	Triode Section
6BR5	6.3	EV-19X2-0	Vary	100	F	----	Connect a 1 megohm resistor from cap lead to loctal test socket pin no. 7. Vary bias to vary beam angle.
6BR7	6.3	EV-2783-9	19	58	A	1250	
6BS7	6.3	EV-X783-9	19	58	A	1250	
6BW6	6.3	EV-2783-9	11	86	A	4100	
6BY7	6.3	EV-2781-9	12	81	A	3000	
6CA4	6.3	EV-0703-0	0	62	D	----	Plate No. 1
6CA4	6.3	EV-0103-0	0	62	D	----	Plate No. 2
6CD7	6.3	HS-4508-0	Vary	100	F	----	Connect a 1 megohm resistor from pin 5 of 5-pin socket to pin 3 of large 7-pin socket. Connect another 1 megohm resistor from pin 5 of 5-pin socket to pin 6 of large 7-pin socket. Eye 1 closes at bias of about 30. Eye 2 closes at bias of about 60.
6CF8	6.3	EV-9613-8	11	65	A	1500	
6CH6	6.3	EV-2783-9	11	90	A	6000	
6CJ5	6.3	JR-6257-0	20	65	A	1500	Use Hickok Adapter Code No. 1050-129.
6CK5	6.3	JR-6257-0	10	90	A	6000	Use Hickok Adapter Code No. 1050-129.
6CM4	6.3	EV-2103-0	20	88	A	4400	
6CM5	6.3	HS-5X48-0	38	91	A	7500	
6CN6	6.3	HS-5X48-1	12	91	A	7250	
6CQ6	6.3	ET-1572-6	12	65	A	1500	
6CT7	6.3	JR-6257-4	25	56	A	1200	Pentode Section
6CT7	6.3	JR-0307-0	0	61	C	----	Triode Section. Use Hickok Adapter Code No. 1050-129.
6CU7	6.3	JR-6257-4	23	48	A	1000	Heptode Section
6CU7	6.3	JR-4307-6	27	65	A	1500	Triode Section. Use Hickok Adapter Code No. 1050-129.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS
6CV7	6.3	JR-3207-0	11	62	A	1400	Triode Section
6CV7	6.3	JR-0607-0	0	28	C	----	Diode No. 1
6CV7	6.3	JR-0507-0	0	28	C	----	Diode No. 2. Use Hickok Adapter Code No. 1050-129.
6CW7	6.3	EV-6907-0	26	87	A	4300	Triode No. 1
6CW7	6.3	EV-2301-0	26	87	A	4300	Triode No. 2
6DC8	6.3	EV-2613-9	13	78	A	2500	Pentode Section
6DC8	6.3	EV-0803-0	0	51	C	----	Diode No. 1
6DC8	6.3	EV-0703-0	0	51	C	----	Diode No. 2
6DG7	6.3	EV-2783-9	11	72	A	1900	
6DL4	6.3	EV-9802-0	19	89	A	6300	
6DL5	6.3	ET-1562-0	10	84	A	3600	
6DR8	6.3	EV-2163-9	0	53	C	----	Pentode Section
6DR8	6.3	EV-0803-0	0	43	C	----	Diode No. 1
6DR8	6.3	EV-0703-0	0	43	C	----	Diode No. 2
6DS8	6.3	EV-7163-2	0	0	C	----	Heptode Section. OK above 1100 on 3000 scale.
6DS8	6.3	EV-9803-0	0	49	C	----	Triode Section. OK above 1500 on 3000 scale.
6DX8	6.3	EV-8697-0	10	90	A	6000	Pentode Section
6DX8	6.3	EV-1203-0	18	73	A	2100	Triode Section
6ES6	6.3	ET-7652-1	0	68	C	----	
6ET6	6.3	ET-1652-7	0	73	C	----	
6FG6	6.3	EV-1603-0	47	0	A	----	Solid Bar Note.
6FG6	6.3	EV-1603-0	0	0	A	----	Split Bar Jumper noval socket pins 7 and 9. Connect a 470 K ohms, 1/2 watt, 10% resistor from this jumper to pin 6.
6FY5	6.3	ET-2501-6	19	90	A	5750	
6GM8	6.3	EV-7608-0	20	0	C	----	Triode No. 1. OK above diodes OK.
6GM8	6.3	EV-2103-0	20	0	C	----	Triode No. 2. OK above diodes OK.
6GV8	6.3	EV-9678-0	28	91	A	6500	Pentode Section
6GV8	6.3	EV-2103-0	22	78	A	2200	Triode Section
6GW8	6.3	EV-8637-0	10	89	A	5500	Pentode Section
6GW8	6.3	EV-1902-0	10	45	A	950	Triode Section
6HG8	6.3	EV-2893-0	9	85	A	4000	Pentode Section
6HG8	6.3	EV-6703-0	25	89	A	5000	Triode Section
6HU8	6.3	EV-2317-0	13	88	A	4700	Pentode No. 1
6HU8	6.3	EV-6897-0	13	88	A	4700	Pentode No. 2
6JX8	6.3	EV-2673-1	11	60	B	1200	Heptode Section
6JX8	6.3	EV-9803-0	20	71	A	1700	Triode Section
6LD3	6.3	JR-3207-0	11	62	A	1400	Triode Section. Use Hickok Adapter Code No. 1050-129.
6LD3	6.3	JR-0607-0	0	28	C	----	Diode No. 1.
6LD3	6.3	JR-0507-0	0	28	C	----	Diode No. 2.
6N3	6.3	EV-0903-0	0	85	C	----	
6R3	6.3	EV-090X-0	0	90	D	----	
6S2, A	6.3	ES-0X00-0	0	85	F	----	OK above diodes OK.
6X6	6.3	HS-5408-6	100	100	F	----	Eye open
6X6	6.3	HS-5438-6	100	100	F	----	Eye closed
7AN7	7.5	EV-6907-0	26	87	A	4300	Triode No. 1
7AN7	7.5	EV-2301-0	26	87	A	4300	Triode No. 2
7ES8	7.5	EV-7608-0	22	92	A	7500	Triode No. 1
7ES8	7.5	EV-2103-0	22	92	A	7500	Triode No. 2
7HG8	7.5	EV-2893-0	9	85	A	4000	Pentode Section
7HG8	7.5	EV-6703-0	25	89	A	5000	Triode Section
8A8	10.0	EV-2637-1	12	81	A	3000	Pentode Section
8A8	10.0	EV-9108-6	26	85	A	4000	Triode Section
8B8	7.5	EV-3672-0	24	86	A	4300	Pentode Section
8B8	7.5	EV-1908-0	11	71	A	1900	Triode Section
8CW5	7.5	EV-2793-0	40	89	A	5500	
8D3	6.3	ET-1572-6	11	81	A	3000	
8DX8	7.5	EV-8697-0	10	90	A	6000	Pentode Section
8DX8	7.5	EV-1203-0	18	73	A	2100	Triode Section
9A8	10.0	EV-2637-1	12	81	A	3000	Pentode Section
9A8	10.0	EV-9108-6	26	85	A	4000	Triode Section
9AB4	10.0	ET-6107-0	11	81	A	3000	
9AK8	10.0	EV-8907-6	11	56	A	1200	Triode Section
9AK8	10.0	EV-0607-1	0	26	C	----	Diode No. 1
9AK8	10.0	EV-0203-7	0	77	C	----	Diode No. 2
9AK8	10.0	EV-0107-8	0	77	C	----	Diode No. 3
9AQ8	10.0	EV-7608-9	14	84	A	3600	Triode No. 1
9AQ8	10.0	EV-2103-9	11	81	A	3000	Triode No. 2
9D6	6.3	ET-1572-6	12	65	A	1500	

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS
9GV8	10.0	EV-9678-0	28	91	A	6500	Pentode Section
9GV8	10.0	EV-2103-0	22	78	A	2200	Triode Section
12AC5	12.6	JR-6257-0	20	65	A	1500	Use Hickok Adapter Code No. 1050-129.
12AJ7	12.6	EV-2613-7	11	65	A	1500	Heptode Section
12AJ7	12.6	EV-9803-2	15	81	A	3000	Triode Section
12BX6	12.6	EV-2781-9	10	86	A	4200	
12DA6	12.6	EV-2783-9	13	78	A	2500	
13CM5	12.6	HS-5X48-0	38	91	A	7500	
14GW8	12.6	EV-8637-0	10	89	A	5500	Pentode Section
14GW8	12.6	EV-1902-0	10	45	A	950	Triode Section
14K7	12.6	JR-6257-4	23	48	A	1000	Heptode Section
14K7	12.6	JR-4307-6	27	65	A	1500	Triode Section. Use Hickok Adapter Code No. 1050-129.
14L7	12.6	JR-3207-0	11	62	A	1400	Triode Section
14L7	12.6	JR-0607-0	0	28	C	----	Diode No. 1
14L7	12.6	JR-0507-0	0	28	C	----	Diode No. 2. Use Hickok Adapter Code No. 1050-129.
15DQ8	17.0	EV-8697-0	10	90	A	6000	Pentode Section
15DQ8	17.0	EV-1203-0	18	73	A	2100	Triode Section
16A5	17.0	EV-2793-0	20	88	A	5000	
16A8	17.0	EV-3672-0	26	88	A	5000	Pentode Section
16A8	17.0	EV-1908-0	12	66	A	1550	Triode Section
16AQ3	17.0	EV-090X-0	0	93	D	----	
17C8	17.0	EV-2613-9	10	75	A	2200	Pentode Section
17C8	17.0	EV-0703-0	0	25	C	----	Diode No. 1
17C8	17.0	EV-0803-0	0	25	C	----	Diode No. 2
17EW8	17.0	EV-7608-0	14	86	A	4200	Triode No. 1
17EW8	17.0	EV-2103-0	14	86	A	4200	Triode No. 2
17Z3	17.0	EV-090X-0	0	90	D	----	
18J6	17.0	ET-5207-0	21	81	A	3000	Triode No. 1
18J6	17.0	ET-6107-0	21	81	A	3000	Triode No. 2
19AJ8	20.0	EV-2613-7	11	65	A	1500	Heptode Section
19AJ8	20.0	EV-9803-2	15	81	A	3000	Triode Section
19BR5	20.0	EV-19X2-0	Vary	100	F	----	Connect a 1 megohm resistor from cap lead to loctal test socket pin no. 7. Vary bias to vary beam angle.
19BX6	20.0	EV-2781-9	10	86	A	4200	
19BY7	20.0	EV-2781-9	12	81	A	3000	
19D8	20.0	EV-2613-7	11	65	A	1500	Heptode Section
19D8	20.0	EV-9803-2	15	81	A	3000	Triode Section
19G3	4.3	HS-0X00-0	0	61	D	----	
25E5	25.0	HS-5X48-0	38	91	A	7500	
26AQ8	25.0	EV-7608-9	11	81	A	3000	Triode No. 1
26AQ8	25.0	EV-2103-9	11	81	A	3000	Triode No. 2
28AK8	25.0	EV-8907-0	11	56	A	1200	Triode Section
28AK8	25.0	EV-0607-0	0	26	C	----	Diode No. 1
28AK8	25.0	EV-0203-0	0	77	C	----	Diode No. 2
28AK8	25.0	EV-0107-0	0	77	C	----	Diode No. 3
30AE3	25.0	EV-090X-0	0	93	D	----	
30L1	7.5	EV-6907-0	26	87	A	4300	Triode No. 1
30L1	7.5	EV-2301-1	26	87	A	4300	Triode No. 2
35D5	35.0	EV-1623-0	23	87	A	4500	
38A3	35.0	EV-0903-0	0	91	D	----	
45A5	50.0	JR-6257-0	10	90	A	6000	Use Hickok Adapter Code No. 1050-129.
45B5	50.0	EV-2793-0	40	89	A	5500	
5920	6.3	ET-5207-0	28	85	A	3600	Triode No. 1
5920	6.3	ET-6107-0	28	85	A	3600	Triode No. 2
6057	12.6	EV-7608-0	12	58	A	1250	Triode No. 1
6057	12.6	EV-2103-0	12	58	A	1250	Triode No. 2
6059	6.3	EV-2783-9	19	58	A	1250	
6060	12.6	EV-7608-0	11	81	A	3000	Triode No. 1
6060	12.6	EV-2103-0	11	81	A	3000	Triode No. 2
6061	6.3	EV-2783-9	11	86	A	4100	
6063	6.3	ET-0607-1	0	40	D	----	Plate No. 1
6063	6.3	ET-0107-6	0	40	D	----	Plate No. 2
6064	6.3	ET-1572-6	11	81	A	3000	
6065	6.3	ET-1572-6	12	65	A	1500	
6066	6.3	ET-1702-0	10	60	A	1300	Triode Section
6066	6.3	ET-0602-0	0	26	C	----	Diode No. 1
6066	6.3	ET-0502-0	0	26	C	----	Diode No. 2
6067	12.6	EV-7608-0	24	75	A	2200	Triode No. 1
6067	12.6	EV-2103-0	24	75	A	2200	Triode No. 2

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS
6118	6.3	HS-X308-1	17	35	A	800	Triode Section
6118	6.3	HS-0508-0	0	27	C	----	Diode No. 1
6118	6.3	HS-0408-0	0	27	C	----	Diode No. 2
6132	6.3	EV-2783-9	11	90	A	6000	
6227	6.3	EV-2783-9	14	88	A	5250	
6252 (AX-9910)	12.6	HR-2X34-0	39	78	A	2500	Tetrode No. 1. Use Adapter #1050-107. Connect the negative (-) end of a 30 volt battery to pin 6 of the large 7 pin socket. Connect the positive (+) end of the battery to pin 4 of the large 7 pin socket. Connect the plate jack connector to the cap pin over pin 6 of the octal socket.
6252 (AX-9910)	12.6	HR-6X34-0	39	78	A	2500	Tetrode No. 2. Use Adapter #1050-107. Connect the negative (-) end of a 30 volt battery to pin 2 of the large 7 pin socket. Connect the positive (+) end of the battery to pin 4 of the large 7 pin socket. Connect the plate jack connector to the cap pin over pin 3 of the octal socket. Caution: Disconnect the battery (Eveready No. 413) when changing selectors.
6267	6.3	EV-9613-8	11	65	A	1500	
6374	6.3	EV-0X03-0	0	80	D	----	
6375	1.1	EV-1800-0	22	81	A	3000	
6516	6.3	ET-1572-0	20	79	A	2600	
6686	6.3	EV-2783-9	10	86	A	3700	
6687	6.3	ET-1562-7	11	42	B	900	Grid No. 1
6687	6.3	ET-7562-1	11	35	B	800	Grid No. 3
6688	6.3	EV-2791-8	11	81	A	3000	
6689	6.3	EV-2613-9	17	85	A	3600	
6761	6.3	EV-2173-0	25	89	A	6500	
6907	12.6	HR-2X34-0	39	78	A	2500	Tetrode No. 1. Use Adapter #1050-107. Connect the negative (-) end of a 30 volt battery to pin 6 of the large 7 pin socket. Connect the positive (+) end of the battery to pin 4 of the large 7 pin socket. Connect the plate jack connector to the cap pin over pin 6 of the octal socket.
6907	12.6	HR-6X34-0	39	78	A	2500	Tetrode No. 2. Use Adapter #1050-107. Connect the negative (-) end of a 30 volt battery to pin 2 of the large 7 pin socket. Connect the positive (+) end of the battery to pin 4 of the large 7 pin socket. Connect the plate jack connector to the cap pin over pin 3 of the octal socket. Caution: Disconnect the battery (Eveready No. 413) when changing selector.
6922	6.3	EV-7608-0	24	89	A	5500	Triode No. 1
6922	6.3	EV-2103-0	24	89	A	5500	Triode No. 2
6927	6.3	ET-5207-0	21	81	A	3000	Triode No. 1
6927	6.3	ET-6107-0	21	81	A	3000	Triode No. 2
7062	12.6	EV-7608-1	16	90	A	6500	Triode No. 1
7062	12.6	EV-2103-6	16	90	A	6500	Triode No. 2
7308	6.3	EV-7608-0	24	89	A	5500	Triode No. 1
7308	6.3	EV-2103-0	24	89	A	5500	Triode No. 2
7534	6.3	HS-5X48-0	52	89	A	5500	
7643	6.3	EV-2637-1	12	81	A	3000	Pentode Section
7643	6.3	EV-9108-6	26	85	A	4000	Triode Section
7693	6.3	ET-1562-7	12	73	A	2000	
7694	6.3	ET-1562-7	11	72	A	1900	
7737	6.3	EV-2791-8	11	81	A	3000	
7788	6.3	EV-2793-8	18	89	A	5300	
AZ41	4.3	HY-0600-0	0	22	D	----	Plate No. 1
AZ41	4.3	JX-0200-0	0	18	D	----	Plate No. 2. Use Hickok Adapter Code No. 1050-129.
CCa	6.3	EV-7608-0	24	89	A	5500	Triode No. 1
CCa	6.3	EV-2103-0	24	89	A	5500	Triode No. 2
D77	6.3	ET-0701-6	0	78	C	----	Diode No. 1
D77	6.3	ET-0205-6	0	78	C	----	Diode No. 2
DA90	1.4	HR-0203-0	0	0	C	----	Diode
DAF91	1.4	BX-6540-0	11	0	B	500	Pentode Section
DAF91	1.4	HR-0300-0	0	0	C	----	Diode Section
DAF92	1.4	BX-6230-0	11	0	B	500	Pentode Section
DAF92	1.4	BX-0400-0	0	0	C	----	Diode Section
DC70	1.1	EV-1800-0	22	81	A	3000	

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS
DC90	1.4	BX-5200-0	36	42	A	850	
DCC90	3.0	HR-5600-0	35	73	A	2000	Triode No. 1
DCC90	3.0	BX-3200-0	35	73	A	2000	Triode No. 2
DDR7	6.3	ET-1572-0	20	79	A	2600	
DF62	1.1	DV-4120-0	17	62	B	1400	
DF67	0.6	DV-4210-0	13	0	C	----	OK above 200 on 3000 scale.
DF91	1.4	BX-6230-0	11	21	B	650	
DF92	1.4	HR-6230-0	19	49	A	1025	
DF96	1.4	HR-6230-0	25	0	A	600	
DF904	1.4	BX-6230-0	14	42	A	900	
DH77	6.3	ET-1702-0	10	60	A	1300	Triode Section
DH77	6.3	ET-0602-0	0	26	C	----	Diode No. 1
DH77	6.3	ET-0502-0	0	26	C	----	Diode No. 2
DK91	1.4	BX-4306-0	55	53	A	1100	
DL33	2.5	HS-5340-0	34	70	A	1800	
DL35	1.4	HS-5340-0	35	62	A	1400	
DL36	1.4	HS-5340-0	42	75	A	2100	
DL66	1.1	DV-4120-0	52	22	F	----	OK above diodes OK.
DL67	1.1	DV-4210-0	13	0	C	----	OK above 500 on 3000 scale.
DL91	1.4	BX-3240-0	29	65	B	1500	
DL92	2.5	HR-3240-0	24	65	B	1500	
DL93	2.5	BX-4230-0	36	67	A	1600	
DL94	3.0	HR-6230-0	35	68	A	1650	
DL95	3.0	HR-3240-0	15	75	A	2150	
DL96	2.5	BX-6230-0	41	56	A	1200	
DL98	2.5	EV-3710-0	50	69	A	1700	
DM70	1.4	EV-1800-0	--	--	F	----	Adjust bias to vary bar length. Do not adjust bias below 25.
DM71	1.4	EV-1800-0	--	--	F	----	Adjust bias to vary bar length. Do not adjust bias below 25.
DP61	6.3	ET-1562-0	24	65	A	1500	
DY30	1.1	HS-0X00-0	0	80	F	----	OK above diodes OK.
DY86	1.4	ES-0X00-0	0	85	F	----	OK above diodes OK.
DY87	1.4	ES-0X00-0	0	85	F	----	OK above diodes OK.
E80CC	12.6	EV-7608-0	18	80	A	2700	Triode No. 1
E80CC	12.6	EV-2103-0	18	80	A	2700	Triode No. 2
E80CF	6.3	EV-2637-1	12	81	A	3000	Pentode Section
E80CF	6.3	EV-9108-6	26	85	A	4000	Triode Section
E80F	6.3	EV-9613-8	18	71	A	1850	
E80L	6.3	EV-2783-9	14	88	A	5250	
E81CC	12.6	EV-7608-0	11	81	A	3000	Triode No. 1
E81CC	12.6	EV-2103-0	11	81	A	3000	Triode No. 2
E81L	6.3	EV-2783-9	10	86	A	3700	
E82CC	12.6	EV-7608-0	24	75	A	2200	Triode No. 1
E82CC	12.6	EV-2103-0	24	75	A	2200	Triode No. 2
E83CC	12.6	EV-7608-0	12	58	A	1250	Triode No. 1
E83CC	12.6	EV-2103-0	12	58	A	1250	Triode No. 2
E83F	6.3	EV-2613-9	17	85	A	3600	
E86C	6.3	EV-2103-0	20	88	A	4400	
E88CC	6.3	EV-7608-0	24	89	A	5500	Triode No. 1
E88CC	6.3	EV-2103-0	24	89	A	5500	Triode No. 2
E90CC	6.3	ET-5207-0	28	85	A	3600	Triode No. 1
E90CC	6.3	ET-6107-0	28	85	A	3600	Triode No. 2
E90F	6.3	ET-1562-7	12	73	A	2000	
E91AA	6.3	ET-0701-6	0	78	C	----	Diode No. 1
E91AA	6.3	ET-0205-6	0	78	C	----	Diode No. 2
E91H	6.3	ET-1562-7	11	42	B	900	Grid No. 1
E91H	6.3	ET-7562-1	11	35	B	800	Grid No. 2
E91N	6.3	ET-1602-5	#	94	F	----	Strikes at about 24.
E92CC	6.3	ET-6107-0	16	88	A	5000	Triode No. 1
E92CC	6.3	ET-5207-0	16	88	A	5000	Triode No. 2
E95F	6.3	ET-1562-0	24	65	A	1500	
E99F	6.3	ET-1562-7	11	72	A	1900	
E130L	6.3	HS-5X48-0	52	89	A	5500	
E180CC	12.6	EV-7608-1	16	90	A	6500	Triode No. 1
E180CC	12.6	EV-2103-6	16	90	A	6500	Triode No. 2
E180F	6.3	EV-2791-8	11	81	A	3000	
E182CC	12.6	EV-7906-0	24	94	A	10000	Triode No. 1
E182CC	12.6	EV-2103-0	24	94	A	10000	Triode No. 2
E182F	6.3	DZ-1684-0	11	88	A	5000	

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS
E186F	6.3	EV-2791-8	11	81	A	3000	
E188CC	6.3	EV-7608-0	24	89	A	5500	Triode No. 1
E188CC	6.3	EV-2103-0	24	89	A	5500	Triode No. 2
E810F	6.3	EV-2793-8	18	89	A	5300	
EAA91	6.3	ET-0701-6	0	78	C	----	Diode No. 1
EAA91	6.3	ET-0205-6	0	78	C	----	Diode No. 2
EABC80	6.3	EV-8907-6	11	56	A	1200	Triode Section
EABC80	6.3	EV-0607-1	0	26	C	----	Diode No. 1
EABC80	6.3	EV-0203-7	0	77	C	----	Diode No. 2
EABC80	6.3	EV-0107-8	0	77	C	----	Diode No. 3
EAF42	6.3	JR-6257-4	25	56	A	1200	Pentode Section
EAF42	6.3	JR-0307-0	0	61	C	----	Diode Section. Use Hickok Adapter Code No. 1050-129.
EB41	6.3	JR-0607-0	0	78	C	----	Diode No. 1
EB41	6.3	JR-0403-0	0	78	C	----	Diode No. 2. Use Hickok Adapter Code No. 1050-129.
EB91	6.3	ET-0701-6	0	78	C	----	Diode No. 1
EB91	6.3	ET-0205-6	0	78	C	----	Diode No. 2
EBC33	6.3	HS-X308-0	18	73	A	2000	Triode Section
EBC33	6.3	HS-X508-0	18	69	C	----	Diode No. 1
EBC33	6.3	HS-X408-0	18	69	C	----	Diode No. 2
EBC41	6.3	JR-3207-0	11	62	A	1400	Triode Section
EBC41	6.3	JR-0607-0	0	28	C	----	Diode No. 1
EBC41	6.3	JR-0507-0	0	28	C	----	Diode No. 2. Use Hickok Adapter Code No. 1050-129.
EBC81	6.3	EV-2103-0	11	62	A	1400	Triode Section
EBC81	6.3	EV-0603-0	0	28	C	----	Diode No. 1
EBC81	6.3	EV-0803-0	0	28	C	----	Diode No. 2
EBC90	6.3	ET-1702-0	10	60	A	1300	Triode Section
EBC90	6.3	ET-0602-0	0	26	C	----	Diode No. 1
EBC90	6.3	ET-0502-0	0	26	C	----	Diode No. 2
EBC91	6.3	ET-1702-5	12	58	A	1250	Triode Section
EBC91	6.3	ET-0602-0	0	26	C	----	Diode No. 1
EBC91	6.3	ET-0502-0	0	26	C	----	Diode No. 2
EBF80	6.3	EV-2613-9	10	75	A	2200	Pentode Section
EBF80	6.3	EV-0703-0	0	25	C	----	Diode No. 1
EBF80	6.3	EV-0803-0	0	25	C	----	Diode No. 2
EBF83	6.3	EV-2163-9	0	53	C	----	Pentode Section
EBF83	6.3	EV-0803-0	0	43	C	----	Diode No. 1
EBF83	6.3	EV-0703-0	0	43	C	----	Diode No. 2
EBF89	6.3	EV-2613-9	13	78	A	2500	Pentode Section
EBF89	6.3	EV-0803-0	0	51	C	----	Diode No. 1
EBF89	6.3	EV-0703-0	0	51	C	----	Diode No. 2
EC80	6.3	EV-1903-0	13	88	A	5000	
EC81	6.3	EV-1803-0	24	85	A	4000	
EC86	6.3	EV-2103-0	28	--	A	5400	
EC88	6.3	EV-9802-0	19	89	A	6300	
EC90	6.3	ET-6107-0	25	75	A	2200	
EC91	6.3	ET-1702-0	11	85	A	4000	
EC92	6.3	ET-6107-0	11	81	A	3000	
EC93	6.3	ET-2105-0	36	85	A	4000	
EC95	6.3	ET-2567-0	10	89	A	5000	
EC97	6.3	ET-2501-6	19	90	A	5750	
ECC33	6.3	HY-4506-0	11	82	A	3100	Triode No. 1
ECC33	6.3	HY-1203-0	11	82	A	3100	Triode No. 2
ECC40	6.3	JR-6507-0	17	81	A	2900	Triode No. 1
ECC40	6.3	JR-3204-0	17	81	A	2900	Triode No. 2. Use Hickok Adapter Code No. 1050-129.
ECC81	12.6	EV-7608-0	11	81	A	3000	Triode No. 1
ECC81	12.6	EV-2103-0	11	81	A	3000	Triode No. 2
ECC82	12.6	EV-7698-0	24	75	A	2200	Triode No. 1
ECC82	12.6	EV-2103-0	24	75	A	2200	Triode No. 2
ECC83	12.6	EV-7608-0	12	58	A	1250	Triode No. 1
ECC83	12.6	EV-2103-0	12	58	A	1250	Triode No. 2
ECC84	6.3	EV-6907-0	26	87	A	4300	Triode No. 1
ECC84	6.3	EV-2301-0	26	87	A	4300	Triode No. 2
ECC85	6.3	EV-7608-9	11	81	A	3000	Triode No. 1
ECC85	6.3	EV-2103-9	11	81	A	3000	Triode No. 2
ECC86	6.3	EV-7608-0	20	0	C	----	Triode No. 1. OK above diodes OK.
ECC86	6.3	EV-2103-0	20	0	C	----	Triode No. 2. OK above diodes OK.
ECC88	6.3	EV-7608-0	22	92	A	7000	Triode No. 1
ECC88	6.3	EV-2103-0	22	92	A	7000	Triode No. 2

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS
ECC91	6.3	ET-5207-0	21	81	A	3000	Triode No. 1
ECC91	6.3	ET-6107-0	21	81	A	3000	Triode No. 2
ECC186	12.6	EV-7608-0	24	75	A	2200	Triode No. 1
ECC186	12.6	EV-2103-0	24	75	A	2200	Triode No. 2
ECC189	6.3	EV-7608-0	22	92	A	7500	Triode No. 1
ECC189	6.3	EV-2103-0	22	92	A	7500	Triode No. 2
ECC960	6.3	ET-5207-0	28	85	A	3600	Triode No. 1
ECC960	6.3	ET-6107-0	28	85	A	3600	Triode No. 2
ECF80	6.3	EV-2637-1	12	81	A	3000	Pentode Section
ECF80	6.3	EV-9108-6	26	85	A	4000	Triode Section
ECF82	6.3	EV-2637-0	11	73	A	2000	Pentode Section
ECF82	6.3	EV-9108-0	12	90	A	6200	Triode Section
ECF83	6.3	EV-9678-0	10	67	B	1500	Pentode Section
ECF83	6.3	EV-2301-0	52	78	B	2000	Triode Section
ECF86	6.3	EV-2893-0	9	85	A	4000	Pentode Section
ECF86	6.3	EV-6703-0	25	89	A	5000	Triode Section
ECH35	6.3	HS-X348-5	12	55	A	1400	Hexode Section
ECH35	6.3	HS-5608-4	19	73	A	2200	Triode Section
ECH42	6.3	JR-6257-4	23	48	A	1000	Heptode Section. Use Hickok Adapter Code No. 1050-129.
ECH42	6.3	JR-4307-6	27	65	A	1500	Triode Section.
ECH81	6.3	EV-2613-7	11	65	A	1500	Heptode Section
ECH81	6.3	EV-9803-2	15	81	A	3000	Triode Section
ECH83	6.3	EV-7163-2	0	0	C	----	Heptode Section. OK above 1100 on 3000 scale.
ECH83	6.3	EV-9803-0	0	49	C	----	Triode Section. OK above 1500 on 3000 scale.
ECH84	6.3	EV-8697-0	10	90	A	6000	Pentode Section
ECH84	6.3	EV-1203-0	18	73	A	2100	Triode Section
ECL80	6.3	EV-9683-7	18	83	A	3300	Pentode Section
ECL80	6.3	EV-2103-0	27	61	A	1350	Triode Section
ECL82	6.3	EV-3672-0	24	86	A	4300	Pentode Section
ECL82	6.3	EV-1908-0	11	71	A	1900	Triode Section
ECL84	6.3	EV-8697-0	10	90	A	6000	Pentode Section
ECL84	6.3	EV-1203-0	18	73	A	2100	Triode Section
ECL85	6.3	EV-9678-0	28	91	A	6500	Pentode Section
ECL85	6.3	EV-2103-0	22	78	A	2200	Triode Section
ECL86	6.3	EV-8637-0	10	89	A	5500	Pentode Section
ECL86	6.3	EV-1902-0	10	45	A	950	Triode Section
EF40	6.3	JR-5267-4	10	69	A	1750	Use Hickok Adapter Code No. 1050-129.
EF41	6.3	JR-6257-0	20	65	A	1500	Use Hickok Adapter Code No. 1050-129.
EF42	6.3	JR-6257-4	10	81	A	3200	Use Hickok Adapter Code No. 1050-129.
EF80	6.3	EV-2781-9	10	86	A	4200	
EF85	6.3	EV-2781-9	12	81	A	3000	
EF86	6.3	EV-9613-8	11	65	A	1500	
EF89	6.3	EV-2783-9	13	78	A	2500	
EF91	6.3	ET-1572-6	11	81	A	3000	
EF92	6.3	ET-1572-6	12	65	A	1500	
EF93	6.3	ET-1567-2	11	72	A	1900	
EF94	6.3	ET-1567-2	11	76	A	2300	
EF95	6.3	ET-1562-0	24	65	A	1500	
EF97	6.3	ET-7652-1	0	68	C	----	
EF98	6.3	ET-1652-7	0	73	C	----	
EF183	6.3	EV-2781-9	15	87	A	3300	
EF184	6.3	EV-2781-9	10	87	A	2000	
EF731	6.3	DW-1574-0	19	73	A	2000	
EF732	6.3	DW-1574-0	19	78	A	2500	
EF804	6.3	EV-9783-1	11	65	A	1500	
EF861	6.3	EV-2791-8	11	81	A	3000	
EH90	6.3	ET-1562-7	11	15	B	600	Grid No. 1
EH90	6.3	ET-7562-1	0	31	B	750	Grid No. 3
EK90	6.3	ET-7562-1	0	35	B	800	Amplifier Section
EK90	6.3	ET-1602-7	20	90	A	6500	Oscillator Section
EL34	6.3	HS-5348-1	23	90	A	6000	
EL36	6.3	HS-5X48-0	38	91	A	7500	
EL37	6.3	HS-5348-1	17	88	A	5000	
EL38	6.3	HS-5X48-1	12	91	A	7250	
EL41	6.3	JR-6257-0	10	90	A	6000	Use Hickok Adapter Code No. 1050-129.
EL42	6.3	JR-6257-0	10	82	A	3200	Use Hickok Adapter Code No. 1050-129.
EL81	6.3	EV-2X73-1	51	87	A	4600	
EL83	6.3	EV-2713-6	11	89	A	5500	

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS
EL84	6.3	EV-2793-0	12	90	A	7500	
EL85	6.3	EV-2793-6	10	82	A	3200	
EL86	6.3	EV-2793-0	40	89	A	5500	
EL90	6.3	ET-1562-0	11	86	A	4100	
EL91	6.3	ET-1572-0	20	79	A	2600	
EL95	6.3	ET-1562-0	10	84	A	3600	
EL360	6.3	HS-5X48-0	38	91	A	7500	
EL803	6.3	EV-2713-6	11	89	A	5500	
EL821	6.3	EV-2783-9	11	90	A	6000	
EL822	6.3	EV-2783-9	11	90	A	6000	
ELL80	6.3	EV-2317-0	13	88	A	4700	Pentode No. 1
ELL80	6.3	EV-6897-0	13	88	A	4700	Pentode No. 2
EM34	6.3	HS-4508-0	Vary	100	F	----	Connect a 1 megohm resistor from pin 5 of 5 pin socket to pin 3 of large 7 pin socket. Connect another 1 megohm resistor from pin 5 of 5 pin socket to pin 6 of large 7 pin socket. Eye 1 closes at bias of about 30. Eye 2 closes at bias of about 60.
EM80	6.3	EV-19X2-0	Vary	100	F	----	Connect a 1 megohm resistor from cap lead to loctal test socket pin no. 7. Vary bias to vary beam angle.
EM81	6.3	EV-19X2-0	Vary	100	F	----	Connect a 1 megohm resistor from cap lead to loctal test socket pin no. 7. Vary bias to vary beam angle.
EM84	6.3	EV-1603-0	47	0	A	----	Solid Bar Note.
EM84	6.3	EV-1603-0	0	0	A	----	Split Bar Jumper noval socket pins 7 and 9. Connect a 470 K ohms, 1/2 watt, 10% resistor from this jumper to pin no. 6.
EQ80	6.3	EV-7163-9	29	48	A	1000	
EY80	6.3	EV-0903-0	0	88	D	----	
EY81	6.3	EV-090X-0	0	90	D	----	
EY82	6.3	EV-0903-0	0	85	C	----	
EY84	6.3	EV-0X03-0	0	80	D	----	
EY86	6.3	ES-0X00-0	0	85	F	----	OK above diodes OK.
EY87	6.3	ES-0X00-0	0	85	F	----	OK above diodes OK.
EY88	6.3	EV-090X-0	0	93	D	----	
EY91	6.3	ET-0102-0	0	40	D	----	
EZ35	6.3	HS-0508-1	0	50	D	----	Plate No. 1
EZ35	6.3	HS-0308-1	0	50	D	----	Plate No. 2
EZ80	6.3	EV-0703-1	0	25	D	----	Plate No. 1
EZ80	6.3	EV-0103-7	0	25	D	----	Plate No. 2
EZ81	6.3	EV-0703-0	0	62	D	----	Plate No. 1
EZ81	6.3	EV-0103-0	0	62	D	----	Plate No. 2
EZ90	6.3	ET-0607-1	0	40	D	----	Plate No. 1
EZ90	6.3	ET-0107-6	0	40	D	----	Plate No. 2
GZ30	5.0	JS-0600-0	0	89	D	----	Plate No. 1
GZ30	5.0	JS-0400-0	0	89	D	----	Plate No. 2
GZ32	5.0	JS-0600-0	0	88	D	----	Plate No. 1
GZ32	5.0	JS-0400-0	0	88	D	----	Plate No. 2
GZ33	5.0	JS-0600-0	0	94	D	----	Plate No. 1
GZ33	5.0	JS-0400-0	0	94	D	----	Plate No. 2
GZ34	5.0	JS-0600-0	0	90	D	----	Plate No. 1
GZ34	5.0	JS-0400-0	0	90	D	----	Plate No. 2
H63	6.3	HS-X408-1	12	48	A	1000	
HABC80	20.0	EV-8907-0	11	56	A	1200	Triode Section
HABC80	20.0	EV-0607-0	0	77	C	----	Diode No. 1
HABC80	20.0	EV-0203-0	0	77	C	----	Diode No. 2
HABC80	20.0	EV-0107-0	0	77	C	----	Diode No. 3
HBC90	12.6	ET-1702-0	10	60	A	1300	Triode Section
HBC90	12.6	ET-0602-0	0	26	C	----	Diode No. 1
HBC90	12.6	ET-0502-0	0	26	C	----	Diode No. 2
HBC91	12.6	ET-1702-5	12	58	A	1250	Triode Section
HBC91	12.6	ET-1602-0	0	26	C	----	Diode No. 1
HBC91	12.6	ET-1502-0	0	26	C	----	Diode No. 2
HCC85	17.0	EV-7608-0	14	86	A	4200	Triode No. 1
HCC85	17.0	EV-2103-0	14	86	A	4200	Triode No. 2
HCH81	12.6	EV-2613-7	11	65	A	1500	Heptode Section
HCH81	12.6	EV-9803-2	15	81	A	3000	Triode Section
HD14	1.4	HS-X300-0	16	0	A	275	Triode Section. OK above 600 on 3000 scale.
HD14	1.4	HS-0500-0	0	35	C	----	Diode Section
HD30	2.5	EV-3710-0	50	69	A	1700	
HD93	1.1	BS-0X00-0	0	80	F	----	OK above diodes OK.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS
HD94	6.3	HS-5X48-0	42	89	A	5500	
HD96	25.0	HS-5X48-0	42	89	A	5500	
HF93	12.6	ET-1567-2	11	72	A	1900	
HF94	12.6	ET-1567-2	11	76	A	2300	
HK90	12.6	ET-7562-1	0	35	B	800	Amplifier Section
HK90	12.6	ET-1602-7	20	90	A	6500	Oscillator Section
HL90	20.0	ET-1562-0	11	86	A	4100	
HL92	50.0	ET-2761-0	20	91	B	7500	
HM04	6.3	ET-7562-1	0	35	B	800	Amplifier Section
HM04	6.3	ET-1602-7	20	90	A	6500	Oscillator Section
HP6	6.3	ET-1572-6	11	81	A	3000	
HY90	35.0	ET-0507-0	0	88	D	----	
KT66	6.3	HS-5348-1	13	90	A	6300	
KT88	6.3	HS-5348-1	13	88	A	5000	
KTZ63	6.3	HS-X348-5	19	57	A	1225	
L63	6.3	HS-5308-0	23	79	A	2600	
L77	6.3	ET-6107-0	25	75	A	2200	
LN119	50.0	EV-3672-0	24	86	A	4300	Pentode Section
LN119	50.0	EV-1908-0	11	71	A	1900	Triode Section
LN152	6.3	EV-9683-7	18	83	A	3300	Pentode Section
LN152	6.3	EV-2103-0	27	61	A	1350	Triode Section
N17	2.5	HR-3240-0	24	65	B	1500	
N18	3.0	HR-3240-0	15	75	A	2150	
N19	3.0	HR-6230-0	35	68	A	1650	
N77	6.3	ET-1572-0	20	79	A	2600	
N78	6.3	ET-1572-0	10	89	A	5000	
N119	50.0	EV-2793-0	40	89	A	5500	
N144	6.3	ET-1572-0	20	79	A	2600	
N151	6.3	JR-6257-0	10	82	A	3200	Use Hickok Adapter Code No. 1050-129.
N152	20.0	EV-2X83-9	42	90	A	6000	
N153	12.6	EV-2713-6	8	91	A	7500	
N154	17.0	EV-2793-0	20	88	A	5000	
N309	12.6	EV-2713-6	8	91	A	7500	
N329	17.0	EV-2793-0	20	88	A	5000	
N359	20.0	EV-2X83-9	42	90	A	6000	
N709	6.3	EV-2793-0	12	90	A	7500	
N727	6.3	ET-1562-0	11	86	A	4100	
OM4	6.3	HS-X308-0	18	73	A	2000	Triode Section
OM4	6.3	HS-X508-0	18	69	C	----	Diode No. 1
OM4	6.3	HS-X408-0	18	69	C	----	Diode No. 2
PABC80	10.0	EV-8907-6	11	56	A	1200	Triode Section
PABC80	10.0	EV-0607-1	0	26	C	----	Diode No. 1
PABC80	10.0	EV-0203-7	0	77	C	----	Diode No. 2
PABC80	10.0	EV-0107-8	0	77	C	----	Diode No. 3
PC86	4.0	EV-2103-0	20	88	A	4400	
PC95	4.0	ET-2567-0	10	89	A	5000	
PC97	4.0	ET-1562-0	11	81	B	3000	
PCC84	7.5	EV-6907-0	26	87	A	4300	Triode No. 1
PCC84	7.5	EV-2301-0	26	87	A	4300	Triode No. 2
PCC85	10.0	EV-7608-9	11	81	A	3000	Triode No. 1
PCC85	10.0	EV-2103-9	11	81	A	3000	Triode No. 2
PCC88	7.5	EV-7608-0	22	92	A	7000	Triode No. 1
PCC88	7.5	EV-2103-0	22	92	A	7000	Triode No. 2
PCC189	7.5	EV-7608-0	22	92	A	7500	Triode No. 1
PCC189	7.5	EV-2103-0	22	92	A	7500	Triode No. 2
PCF80	10.0	EV-2637-1	12	81	A	3000	Pentode Section
PCF80	10.0	EV-9108-6	26	85	A	4000	Triode Section
PCF82	10.0	EV-2637-0	11	73	A	2000	Pentode Section
PCF82	10.0	EV-9108-0	12	90	A	6200	Triode Section
PCF86	7.5	EV-2893-0	9	85	A	4000	Pentode Section
PCF86	7.5	EV-6703-0	25	88	A	5000	Triode Section
PCL82	17.0	EV-3672-0	24	86	A	4300	Pentode Section
PCL82	17.0	EV-1908-0	11	71	A	1900	Triode Section
PCL84	17.0	EV-8697-0	10	90	A	6000	Pentode Section
PCL84	17.0	EV-1203-0	18	73	A	2100	Triode Section
PCL85	17.0	EV-9678-0	28	91	A	6500	Pentode Section
PCL85	17.0	EV-2103-0	22	78	A	2200	Triode Section
PCL86	12.6	EV-8637-0	10	89	A	5500	Pentode Section
PCL86	12.6	EV-1902-0	10	45	A	950	Triode Section

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS
PF86	4.3	EV-9613-8	11	65	A	1500	
PL21	6.3	ET-1602-5	#	94	F	----	Strikes at about 24.
PL36	25.0	HS-5X48-0	38	91	A	7500	
PL81	20.0	EV-2X83-9	42	90	A	6000	
PL82	17.0	EV-2793-0	20	88	A	5000	
PL83	12.6	EV-2713-6	8	91	A	7500	
PL84	17.0	EV-2793-0	42	88	A	5000	Make "Line Test" at 1400 on 3000 scale.
PLL80	12.6	EV-2317-0	13	88	A	4700	Pentode No. 1
PLL80	12.6	EV-6897-0	13	88	A	4700	Pentode No. 2
PM04	6.3	ET-1567-2	11	72	A	1900	
PM05	6.3	ET-1562-0	24	65	A	1500	
PM07	6.3	ET-1572-6	12	65	A	1500	
PY80	20.0	EV-0903-0	0	88	D	----	
PY81	17.0	EV-090X-0	0	90	D	----	
PY82	20.0	EV-0903-0	0	88	D	----	
PY88	25.0	EV-090X-0	0	93	D	----	
QQE03/12 QQV03/10	12.6	EV-3872-0	20	83	A	3300	Tetrode No. 1. Connect negative (-) end of 30 volt battery to pin no. 1 of octal test socket.
QQE03/12 QQV03/10	12.6	EV-1672-0	20	83	A	3300	Tetrode No. 2. Connect negative (-) end of 30 volt battery to pin no. 3 of octal test socket. Connect positive (+) end of 30 volt battery (Eveready No. 413) to pin no. 2 of octal test socket for each test. Caution: Disconnect battery between selector changes.
QQE03/20 QQV03/20A	12.6	HR-2X34-0	39	78	A	2500	Tetrode No. 1. Use Hickok Adapter Code No. 1050-107. Connect the negative (-) end of a 30 volt battery to pin no. 6 of the large 7 pin socket.
QQE03/20 QQV03/20A	12.6	HR-6X34-0	39	78	A	2500	Tetrode No. 2. Connect the negative (-) end of a 30 volt battery to pin no. 2 of the large 7 pin socket. Connect the positive (+) end of the battery to pin no. 4 of the large 7 pin socket for each test. Connect the plate jack connector to the cap pin over pin no. 3 of the octal socket. Caution: Disconnect the battery (Eveready No. 413) between selector changes.
U26	6.3	ES-0X00-0	0	85	F	----	OK above diodes OK.
U49	6.3	ES-0X00-0	0	85	F	----	OK above diodes OK.
U78	6.3	ET-0607-1	0	40	D	----	Plate No. 1
U78	6.3	ET-0107-6	0	40	D	----	Plate No. 2
U119	35.0	EV-0903-0	0	91	D	----	
U152	20.0	EV-0903-0	0	88	D	----	
U153	17.0	EV-090X-0	0	90	D	----	
U154	20.0	EV-0903-0	0	88	D	----	
U192	20.0	EV-0903-0	0	88	D	----	
U381	35.0	EV-0903-0	0	91	D	----	
U709	6.3	EV-0703-0	0	62	D	----	Plate No. 1
U709	6.3	EV-0103-0	0	62	D	----	Plate No. 2
UABC80	25.0	EV-8907-0	11	56	A	1200	Triode Section
UABC80	25.0	EV-0607-0	0	26	C	----	Diode No. 1
UABC80	25.0	EV-0203-0	0	77	C	----	Diode No. 2
UABC80	25.0	EV-0107-0	0	77	C	----	Diode No. 3
UAF42	12.6	JR-6257-4	25	56	A	1200	Pentode Section
UAF42	12.6	JR-0307-0	0	61	C	----	Diode Section. Use Hickok Adapter Code No. 1050-129.
UBC41	12.6	JR-3207-0	11	62	A	1400	Triode Section
UBC41	12.6	JR-0607-0	0	28	C	----	Diode No. 1
UBC41	12.6	JR-0507-0	0	28	C	----	Diode No. 2. Use Hickok Adapter Code No. 1050-129.
UBF80	17.0	EV-2613-9	10	75	A	2200	Pentode Section
UBF80	17.0	EV-0703-0	0	25	C	----	Diode No. 1
UBF80	17.0	EV-0803-0	0	25	C	----	Diode No. 2
UC92	10.0	ET-6107-0	11	81	A	3000	
UCC85	25.0	EV-7608-9	11	81	A	3000	Triode No. 1
UCC85	25.0	EV-2103-9	11	81	A	3000	Triode No. 2
UCH42	12.6	JR-6257-4	23	48	A	1000	Heptode Section
UCH42	12.6	JR-4307-6	27	65	A	1500	Triode Section. Use Hickok Adapter Code No. 1050-129.
UCH81	20.0	EV-2613-7	11	65	A	1500	Heptode Section
UCH81	20.0	EV-9803-2	15	81	A	3000	Triode Section
UCL82	50.0	EV-3672-0	24	86	A	4300	Pentode Section
UCL82	50.0	EV-1908-0	11	71	A	1900	Triode Section
UF41	12.6	JR-6257-0	20	65	A	1500	Use Hickok Adapter Code No. 1050-129.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS
UF80	20.0	EV-2781-9	10	86	A	4200	
UF85	20.0	EV-2781-9	12	81	A	3000	
UF89	12.6	EV-2783-9	13	78	A	2500	
UL41	50.0	JR-6257-0	10	90	A	6000	Use Hickok Adapter Code No. 1050-129.
UL84	50.0	EV-2793-0	40	89	A	5500	
UM80	20.0	EV-19X2-0	Vary	100	F	----	Connect a 1 megohm resistor from cap lead to loctal test socket pin no. 7. Vary bias to vary beam angle.
UY85	35.0	EV-0903-0	0	91	D	----	
W77	6.3	ET-1572-6	12	65	A	1500	
X17	1.4	BX-4306-2	55	53	A	1100	
X719	6.3	EV-2613-7	11	65	A	1500	Heptode Section
X719	6.3	EV-9803-2	15	81	A	3000	Triode Section
X727	6.3	ET-7562-1	0	35	B	800	Amplifier Section
X727	6.3	ET-1602-7	20	90	A	6500	Oscillator Section
XC95	2.0	ET-2567-0	10	89	A	5000	
XC97	2.5	ET-1562-0	11	81	B	3000	
XCC189	4.3	EV-7608-0	22	92	A	7500	Triode No. 1
XCC189	4.3	EV-2103-0	22	92	A	7500	Triode No. 2
XCF80	4.3	EV-2637-1	12	81	A	3000	Pentode Section
XCF80	4.3	EV-9108-6	26	85	A	4000	Triode Section
XCH81	3.0	EV-2613-7	11	65	A	1500	Heptode Section
XCH81	3.0	EV-9803-2	15	81	A	3000	Triode Section
XCL82	7.5	EV-3672-0	24	86	A	4300	Pentode Section
XCL82	7.5	EV-1908-0	11	71	A	1900	Triode Section
XCL84	7.5	EV-8697-0	10	90	A	6000	Pentode Section
XCL84	7.5	EV-1203-0	18	73	A	2100	Triode Section
XCL85	10.0	EV-9678-0	28	91	A	6500	Pentode Section
XCL85	10.0	EV-2103-0	22	78	A	2200	Triode Section
XF80	3.0	EV-2781-9	10	86	A	4200	
XF85	3.0	EV-2781-9	12	81	A	3000	
XF183	3.0	EV-2781-9	15	87	A	3300	
XF184	3.0	EV-2781-9	10	87	A	2000	
XL36	12.6	HS-5X48-0	38	91	A	7500	
XL84	7.5	EV-2793-0	12	90	A	7500	
XL86	7.5	EV-2793-0	40	89	A	5500	
XY88	17.0	EV-090X-0	0	93	D	----	
YC95	3.0	ET-2567-0	10	89	A	5000	
YC97	3.0	ET-2501-6	19	90	A	5750	
YCC189	5.0	EV-7608-0	22	92	A	7500	Triode No. 1
YCC189	5.0	EV-2103-0	22	92	A	7500	Triode No. 2
YF183	4.3	EV-2781-9	15	87	A	3300	
YF184	4.3	EV-2781-9	10	87	A	2000	
Z77	6.3	ET-1572-6	11	81	A	3000	
Z150	6.3	JR-6257-4	10	81	A	3200	Use Hickok Adapter Code No. 1050-129.
Z152	6.3	EV-2781-9	10	86	A	4200	
Z719	6.3	EV-2781-9	10	86	A	4200	
Z729	6.3	EV-9613-8	11	65	A	1500	
ZD17	1.4	BX-6540-0	11	0	B	500	Pentode Section
ZD17	1.4	HR-0300-0	0	0	C	----	Diode Section
ZD152	6.3	EV-2613-9	10	75	A	2200	Pentode Section
ZD152	6.3	EV-0703-0	0	25	C	----	Diode No. 1
ZD152	6.3	EV-0803-0	0	25	C	----	Diode No. 2