



FOREIGN TUBE TYPES

SUPPLEMENTARY TEST DATA

for

MODELS 800 & 800A

TUBE TESTERS

HICKOK ELECTRICAL INSTRUMENT CO.

10514 DUPONT AVENUE • CLEVELAND OHIO 44108

PHONE — 641-8060

TWX — 810-421-8286

3200-253

Supersedes 3200-221

- NOTE 1:** (symbol "★" on Roll Chart) Read on ENGLISH scale, only.
- NOTE 2:** (symbol "#" on Roll Chart) Set BIAS at 100, press and hold down proper button while rotating BIAS dial until tube strikes.
- NOTE 3:** For TUBE TESTER Model 800, the Universal Adapter, CA-5, 1050-164, is available. This Adapter provides tube test sockets for Compactrons, Novars, 5 and 7-pin Nuvistors, and the new 10-pin tubes, including Decals. Test data for these tubes is supplied in supplementary form with the Adapter. The CA-4, 1050-135, Adapter (discontinued) can still be used but requires the use of the SA-11, 1050-177, Adapter for testing decal types. See inside back cover for description of all adapters.
- NOTE 4:** "Cut off" tube section NOT being tested by means of a 30 to 35 volt battery (Eveready 413, or equal). Polarity and connections are indicated in the NOTATIONS column: e.g., Note 4: 7-, 2+, indicates connect negative lead to pin 7 and positive lead to pin 2, of any convenient socket on the tester.
- CAUTION:** Disconnect battery between any change of SELECTORS.

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
1AJ4	1.5	HT-6210-0	22	10	P4	475	
1AR5	1.5	DX-6580-0	3	15	--	600	PENTODE SECTION. HOLD DOWN P1 & PRESS P4.
1AR5	1.5	DX-0100-0	0	0	P1	----	DIODE SECTION. NOTE 1.
1AS5	1.5	DX-6210-0	3	15	--	600	PENTODE SECTION. HOLD DOWN P1 & PRESS P4.
1AS5	1.5	DX-0800-0	0	0	P1	----	DIODE SECTION. NOTE 1.
1BG2	1.5	CX-0000-0	0	85	P5	----	CONNECT FIL. LEADS TO OCTAL SOCKET PINS 1 & 8.
1BK2	1.5	BS-0000-0	0	84	P5	----	SINGLE LEAD = P. NOTE 1. OK ABOVE DIODES OK.
1BQ2	1.5	BS-0000-0	0	83	P5	----	CAP=P. NOTE 1.
1C1	1.5	DX-8106-2	60	32	P4	775	CAP=P. OK ABOVE DIODES OK. NOTE 1.
1BX2	1.5	BS-0000-0	0	80	P5	----	CAP=P. NOTE 1. OK ABOVE DIODES OK.
1D13	1.5	HT-0201-0	0	0	P1	----	NOTE 1.
1D-K29	1.1	BS-0000-0	0	--	P3	----	TOP LEAD=P. CONNECT FIL. LEADS TO PINS 1 AND 2.
1F2	1.5	HT-6210-0	19	49	P4	1025	NOTE 1. OK ABOVE 200 ON 3000 SCALE.
1F3	1.5	DX-6210-0	0	33	--	775	HOLD DOWN P1 & PRESS P4.
1M3	1.5	EV-1800-0	--	--	P5	----	ADJ. BIAS TO VARY BAR LENGTH. DO NOT ADJ. BIAS BELOW 30. USE ADAPTER SA-2, 1050-99.
1N3	1.5	EV-1800-0	--	--	P5	----	ADJ. BIAS TO VARY BAR LENGTH. DO NOT ADJ. BIAS BELOW 30. USE ADAPTER SA-2, 1050-99.
1P10	2.5	HT-1280-0	24	65	--	1500	HOLD DOWN P1 & PRESS P4.
1P11	3.0	DX-6210-0	35	68	P4	1650	
2B-H5	2.0	13-4208-0	23	73	P4	2000	
2B-H5	2.0	0S-4107-0	23	73	P4	2000	USE ADAPTER SA-3, 1050-127 OR NOTE 3.
2BU2	2.5	B3-0000-0	87	87	P5	----	CAP=P. OK ABOVE DIODES OK. NOTE 1.
2ER5	2.0	JR-2567-0	10	89	P4	5200	MODEL 800# NOTE 3.
2FY5	2.5	JR-2503-6	16	90	P4	6000	
2HA5	2.0	JR-3507-6	19	90	P4	5200	
2N-H11	2.0	13-4208-0	21	79	P4	2600	
2N-H11	2.0	0S-4107-0	21	79	P4	2600	USE ADAPTER SA-3, 1050-127 OR NOTE 3.
2N-H12	2.0	13-6107-0	27	84	P4	3600	NOTE 3.
3AJ8	3.0	EV-2613-7	13	59	P4	1300	HEPTODE SECTION.
3AJ8	3.0	EV-9803-2	21	79	P4	2750	TRIODE SECTION.
3BH2	3.0	JR-0000-0	0	90	P5	----	CAP = P. OK ABOVE DIODES OK. USE ADAPTER SA-8, 1050-168. NOTE 1.
3BX6	3.0	EV-2781-9	6	86	P4	3700	
3BY7	3.0	EV-2781-9	17	80	P4	2550	
3ER5	3.0	JR-2567-0	10	89	P4	5200	
3FY5	3.0	JR-2503-6	16	90	P4	6000	
3HA5	2.5	JR-3507-6	19	90	P4	5200	
3M-P26	3.0	JR-3562-0	42	84	P4	3600	
4A88	4.3	EV-9683-7	18	83	P4	3300	PENTODE SECTION
4A88	4.3	EV-2103-0	27	61	P4	1350	TRIODE SECTION
4BL8	4.3	EV-2637-1	7	83	P4	2950	PENTODE SECTION.
4BL8	4.3	EV-9108-6	26	83	P4	3100	TRIODE SECTION.
4BN4	4.3	JR-2503-0	20	83	P4	3200	
4CM4	4.3	EV-2103-0	19	88	P4	4650	
4DL4	4.3	EV-9802-0	11	84	P4	3500	
4EH7	4.3	EV-2781-9	16	88	P4	2500	
4EJ7	4.3	EV-2781-9	10	84	P4	3400	
4ER5	3.0	JR-2567-0	10	89	P4	5200	
4ES8	4.3	EV-7608-0	17	93	P4	8750	TRIODE NO. 1
4ES8	4.3	EV-2103-0	17	93	P4	8750	TRIODE NO. 2.
4FY5	4.3	JR-2503-6	16	90	P4	6000	
4GJ7	4.3	EV-2671-0	10	84	P4	3200	PENTODE SECTION.
4GJ7	4.3	EV-9803-0	28	90	P4	4800	TRIODE SECTION.
4GS7	4.3	EV-9678-0	10	83	P4	3000	PENTODE SECTION.
4GS7	4.3	EV-1203-0	31	83	P4	3500	TRIODE SECTION.
4HA5	4.3	JR-3507-6	19	90	P4	5200	
4HG8	4.3	EV-2893-0	11	73	P4	2000	PENTODE SECTION.
4HG8	4.3	EV-6703-0	29	84	P4	3200	TRIODE SECTION.
4KN8	4.3	EV-7608-0	20	90	P4	6000	TRIODE NO. 1.
4KN8	4.3	EV-2103-0	20	90	P4	6000	TRIODE NO. 2.

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	
4MP12	5.0	JR-3562-0	11	88	P4	4150	
4M-P26	4.3	JR-3562-0	42	84	P4	3600	
4R-HH2	4.3	EV-7608-9	24	83	P4	3200	TRIODE NO. 1.
4R-HH2	4.3	EV-2103-9	24	83	P4	3200	TRIODE NO. 2.
4R-HHB	4.3	EV-7608-0	20	90	P4	6000	TRIODE NO. 1.
4R-HH8	4.3	EV-2103-0	20	90	P4	6000	TRIODE NO. 2.
5AR4	5.0	HR-0600-0	0	60	P3	----	PLATE NO. 1. NOTE 1.
5AR4	5.0	HR-0400-0	0	60	P3	----	PLATE NO. 2. NOTE 1.
5ES8	5.0	EV-7608-0	17	93	P4	8750	TRIODE NO. 1.
5ES8	5.0	EV-2103-0	17	93	P4	8750	TRIODE NO. 2.
5GJ7	5.0	EV-2671-0	10	84	P4	3200	PENTODE SECTION.
5GJ7	5.0	EV-9803-0	28	90	P4	4800	TRIODE SECTION.
5GS7	5.0	EV-9678-0	10	83	P4	3000	PENTODE SECTION.
5GS7	5.0	EV-1203-0	31	83	P4	3500	TRIODE SECTION.
5HG8	5.0	EV-2893-0	11	73	P4	2000	PENTODE SECTION.
5HG8	5.0	EV-6703-0	29	84	P4	3200	TRIODE SECTION.
5MHH3	5.0	JR-6307-0	18	91	P4	5200	TRIODE NO. 1.
5MHH3	5.0	JR-5207-0	18	91	P4	5200	TRIODE NO. 2.
5M-K9	5.0	JR-0501-0	0	66	P3	----	NOTE 1. OK ABOVE DIODES OK.
5U9	6.3	FW-3782-4	10	83	P4	3300	PENTODE SECTION. USE ADAPTER SA-11. MODEL 800#
5U9	6.3	FW-A901-0	29	81	P4	3000	USE SA-11 & CA-4. NOTE 3.
5V9	5.0	FW-3741-2	7	53	--	1100	TRIODE SECTION.
5V9	5.0	FW-8A09-0	22	81	P4	3000	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4.
5X9	6.3	FW-3782-4	10	84	P4	3600	USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4.
5X9	6.3	FW-A901-0	12	81	P4	3000	NOTE 3.
6AB9	6.3	FW-978A-0	15	81	P4	3000	TRIODE SECTION.
6AB9	6.3	FW-3124-0	15	81	P4	3000	TETRODE NO. 1. USE ADAPTER SA-11. MODEL 800# US
6AF9	6.3	FW-8A97-0	13	88	P4	5000	SA-11 & CA-4. NOTE 3.
6AF9	6.3	FW-1432-0	13	83	P4	3300	PENTODE NO. 1. USE ADAPTER SA-11. MODEL 800# US
6AJ8	6.3	EV-2613-7	13	59	P4	1300	SA-11 & CA-4. NOTE 3.
6AJ8	6.3	EV-9803-2	21	79	P4	2750	PENTODE NO. 2.
6AK8	6.3	EV-8907-0	8	57	P4	1200	HEPTODE SECTION.
6AK8	6.3	EV-0607-0	0	26	P1	----	TRIODE SECTION.
6AK8	6.3	EV-0203-0	0	76	P1	----	DIODE NO. 1. NOTE 1.
6AK8	6.3	EV-0107-0	0	76	P1	----	DIODE NO. 2. NOTE 1.
6AL3	6.3	EV-0009-0	0	68	--	----	DIODE NO. 3. NOTE 1.
6AM5	6.3	JR-3572-0	23	80	P4	2600	CAP = P. HOLD DOWN P6 & PRESS P3.
6AM6	6.3	JR-3572-6	15	73	P4	2000	DISREGARD SHORTS TEST.
6A04	6.3	JR-3702-0	11	86	P4	3700	
6A08	6.3	EV-7608-9	21	64	P4	1450	TRIODE NO. 1.
6A08	6.3	EV-2103-9	21	64	P4	1450	TRIODE NO. 2.
6B-B14	6.3	EV-1063-0	35	89	P4	5200	CAP = P. USE ADAPTER SA-8, 1050-168.
6BD7A	6.3	EV-2103-0	15	48	P4	1000	TRIODE SECTION.
6BD7A	6.3	EV-0603-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
6BD7A	6.3	EV-0803-0	0	22	P1	----	DIODE NO. 2. NOTE 1.
6BJ5	6.3	JR-3572-0	8	90	P4	4850	
6BK8	6.3	EV-9613-8	11	65	P4	1500	
6BL8	6.3	EV-2637-1	7	83	P4	2950	PENTODE SECTION.
6BL8	6.3	EV-9108-6	26	83	P4	3100	TRIODE SECTION.
6BM8	6.3	EV-3672-0	24	87	P4	4300	PENTODE SECTION.
6BM8	6.3	EV-1908-0	11	73	P4	2000	TRIODE SECTION.
6BN5	6.3	EV-2793-6	14	82	P4	3200	
6BQ5	6.3	EV-2713-0	15	91	P4	5350	
6BR?	6.3	EV-0009-0	0	71	--	----	CAP = P. HOLD DOWN P6 AND PRESS P3.
6BR5	6.3	EV-1902-0	--	100	P5	----	SHORT ON 1, 2, 3, 4.
							CONNECT A 1 MEG. RESISTOR FROM PLATE JACK TO OCTAL TEST SOCKET PIN 8. VARY BIAS TO VARY BEAM ANGLE.

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6BR7	6.3	EV-2783-9	17	55	P4	1250	
6BS7	6.3	EV-0783-9	17	59	P4	1250	CAP = G.
6BT4	6.3	HS-0108-0	0	30	P3	----	DIODE NO. 1. NOTE 1. (SEE BELOW)
6BT4	6.3	HS-0608-0	0	30	P3	----	DIODE NO. 2. NOTE 1. USE ADAPTER SA-5, 1050-129.
6BW6	6.3	EV-2783-9	17	87	P4	4100	
6BY7	6.3	EV-2781-9	17	80	P4	2550	
6C12	6.3	EV-2613-7	13	59	P4	1300	HEPTODE SECTION.
6C12	6.3	EV-9803-2	21	79	P4	2750	TRIODE SECTION.
6C18	6.3	EV-7328-0	13	84	P4	3500	PENTODE SECTION.
6C18	6.3	EV-9108-0	30	83	P4	3400	TRIODE SECTION.
6CA4	6.3	EV-0703-0	0	47	P3	----	PLATE NO. 1 NOTE 1
6CA4	6.3	EV-0103-0	0	47	P3	----	PLATE NO. 2 NOTE 1
6CA7	6.3	JR-5347-2	21	91	P4	6000	
6CD7	6.3	JR-4507-0	--	100	P5	----	CONNECT A 1 MEG. RESISTOR FROM PLATE JACK TO PI 3 OF LARGE 7 PIN SOCKET. CONNECT ANOTHER 1 MEG. RESISTOR FROM PLATE JACK TO PIN 6 OF LARGE 7 PI SOCKET. EYE ONE CLOSSES AT BIAS OF ABOUT 30. EYE TWO CLOSSES AT BIAS OF ABOUT 55.
6CF8	6.3	EV-9613-8	11	65	P4	1500	
6CH6	6.3	EV-2783-9	0	92	P4	6700	
6CJ5	6.3	HS-6158-0	19	65	P4	1500	USE ADAPTER SA-5, 1050-129.
6CK5	6.3	HS-6158-0	19	89	P4	4750	USE ADAPTER SA-5, 1050-129.
6CM4	6.3	EV-2103-0	18	90	P4	5400	
6CM5	6.3	JR-5047-0	50	89	P4	4700	CAP = P.
6CN6	6.3	JR-5047-2	0	93	P4	8500	CAP = P.
6CQ6	6.3	JR-3572-6	11	65	P4	1500	
6CT7	6.3	HS-6158-4	9	70	P4	1800	PENTODE SECTION. USE ADAPTER SA-5, 1050-129.
6CT7	6.3	HS-0308-0	0	58	P1	----	DIODE SECTION. NOTE 1. USE ADAPTER SA-5, 1050-12
6CU7	6.3	HS-6158-4	14	60	P4	1300	HEXODE SECTION. USE ADAPTER SA-5, 1050-129.
6CU7	6.3	HS-4308-6	24	66	P4	1500	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
6CV7	6.3	HS-3108-0	15	48	P4	1000	TRIODE SECTION.
6CV7	6.3	HS-0608-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
6CV7	6.3	HS-0508-0	0	22	P1	----	DIODE NO. 2. NOTE 1.
6CW5	6.3	EV-2793-0	30	91	P4	6700	
6CW7	6.3	EV-6907-0	22	90	P4	5750	TRIODE NO. 1.
6CW7	6.3	EV-2301-0	22	90	P4	5750	TRIODE NO. 2.
6DA5	6.3	EV-1902-0	--	100	P5	----	CONNECT A 1 MEG. RESISTOR FROM PLATE JACK TO OCTAL TEST SOCKET PIN NO. 8. VARY BIAS TO VARY BEAM ANGLE. NOTE 1.
6DC8	6.3	EV-2613-9	6	81	P4	2900	PENTODE SECTION.
6DC8	6.3	EV-0803-0	0	42	P1	----	DIODE NO. 1. NOTE 1.
6DC8	6.3	EV-0703-0	0	42	P1	----	DIODE NO. 2. NOTE 1.
6DG7	6.3	EV-2783-9	0	79	P4	2600	
6DL4	6.3	EV-9802-0	11	84	P4	3500	
6DL5	6.3	JR-3562-0	8	84	P4	3600	
6DR8	6.3	EV-2163-9	0	42	P1	----	PENTODE SECTION. NOTE 1.
6DR8	6.3	EV-0803-0	0	42	P1	----	DIODE NO. 1. NOTE 1.
6DR8	6.3	EV-0703-0	0	42	P1	----	DIODE NO. 2. NOTE 1.
6DS8	6.3	EV-7163-2	19	0	P1	----	HEPTODE SECTION. NOTE 1. MAKE NO GAS TEST.
6DS8	6.3	EV-9803-0	10	37	P1	----	TRIODE SECTION. NOTE 1. MAKE NO GAS TEST.
6DW4A	6.3	EV-0209-0	0	59	P3	----	USE ADAPTER SA-4, 1050-144, OR NOTE 3. NOTE 1. FOR MODEL 800A# NO ADAPTER REQUIRED.
6DX8	6.3	EV-8697-0	10	90	P4	5500	PENTODE SECTION.
6DX8	6.3	EV-1203-0	10	87	P4	4000	TRIODE SECTION.
6EC4	OFF	EV-0007-0	--	--	--	----	SHORT TEST ONLY.
6EC4	6.3	EV-0007-0	0	80	--	----	CAP = P. HOLD DOWN P6 & PRESS P3. USE ADAPTER SA-8, 1050-168.
6ED4	6.3	EV-0801-0	0	60	P1	----	CAP = G. USE ADAPTER SA-8, 1050-168. NOTE 1.
6EH7	6.3	EV-2781-9	16	88	P4	2500	
6EJ7	6.3	EV-2781-9	10	84	P4	3400	
6ER5	6.3	JR-2567-0	10	89	P4	5200	
6ES6	6.3	JR-7652-3	0	64	P1	----	MAKE NO GAS TEST. NOTE 1.
6ES8	6.3	EV-7608-0	17	93	P4	8750	TRIODE NO. 1.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6ES8	6.3	EV-2103-0	17	93	P4	8750	TRIODE NO. 2.
6ET6	6.3	JR-3652-7	0	71	P1	----	NOTE 1.
6F12	6.3	JR-3572-6	15	73	P4	2000	
6F13	6.3	HS-6158-4	10	82	P4	3400	USE ADAPTER SA-5, 1050-129.
6F14	6.3	HS-6158-4	10	83	P4	3800	USE ADAPTER SA-5, 1050-129.
6F16	6.3	HS-6158-0	19	65	P4	1500	USE ADAPTER SA-5, 1050-129.
6F17	6.3	HS-6158-0	19	65	P4	1500	USE ADAPTER SA-5, 1050-129.
6F19	6.3	EV-2781-9	17	80	P4	2550	
6F21	6.3	JR-3572-6	11	65	P4	1500	
6F22	6.3	EV-9613-8	11	65	P4	1500	
6F26	6.3	EV-2781-9	17	80	P4	2550	
6F29	6.3	EV-2781-9	16	88	P4	2500	
6F30	6.3	EV-2781-9	10	84	P4	3400	
6F33	6.3	JR-3572-6	10	68	P4	1700	
6FC7	6.3	EV-6908-0	23	89	P4	5400	TRIODE NO. 1.
6FC7	6.3	EV-2301-0	23	89	P4	5400	TRIODE NO. 2.
6FG6	6.3	EV-1603-0	45	--	P4	----	SOLID BAR. (SEE BELOW).
6FG6	6.3	EV-1603-0	0	--	P4	----	SPLIT BAR. JUMPER NOVAL SOCKET PINS 7 & 9. CONNECT A 470K OHM, 1/2 WATT, 10% RESISTOR FROM THIS JUMPER TO PIN NO. 6.
6FY5	6.3	JR-2503-6	16	90	P4	6000	
6G-A4	6.3	JR-2307-0	27	91	P4	7500	
6G-B3	6.3	JR-5047-0	46	95	P4	11500	CAP=P
6GB5	6.3	EV-2078-0	63	88	P4	4500	CAP = P. USE ADAPTER SA-8, 1050-168.
6G-B8	6.3	JR-5347-0	24	91	P4	7000	
6GJ7	6.3	EV-2671-0	10	84	P4	3200	PENTODE SECTION.
6GJ7	6.3	EV-9803-0	28	90	P4	4800	TRIODE SECTION.
6GM8	6.3	EV-7608-0	20	70	P1	----	TRIODE NO. 1. NOTE 1. (SEE BELOW).
6GM8	6.3	EV-2103-0	20	70	P1	----	TRIODE NO. 2. NOTE 1.
6GS7	6.3	EV-9678-0	10	83	P4	3000	PENTODE SECTION.
6GS7	6.3	EV-1203-0	31	83	P4	3500	TRIODE SECTION. OK ABOVE DIODES OK. MAKE NO GAS TEST.
6GV7	6.3	EV-7328-0	13	84	P4	3500	PENTODE SECTION.
6GV7	6.3	EV-9108-0	30	83	P4	3400	TRIODE SECTION.
6GV8	6.3	EV-9676-0	26	91	P4	7000	PENTODE SECTION.
6GV8	6.3	EV-2103-0	20	78	P4	2300	TRIODE SECTION.
6GW8	6.3	EV-8637-0	10	87	P4	4750	PENTODE SECTION.
6GW8	6.3	EV-1902-0	10	42	P4	900	TRIODE SECTION.
6GX8	6.3	EV-8709-3	--	--	P4	----	SHORT OCTAL TEST SOCKET PINS 1 & 6 AND CONNECT 100 K OHM, 1/2 WATT RESISTOR BETWEEN PLATE JACK AND PIN 1. VARY BIAS TO VARY PATTERN. SHORT ON POSITION NO. 5.
6GX8	6.3	EV-0203-0	0	25	P1	----	DIODE. NOTE 1.
6HA5	6.3	JR-3507-6	19	90	P4	5200	
6H-B25	6.3	EV-2079-8	50	88	P4	4300	CAP=P. USE ADAPTER SA-8, 1050-168.
6HG8	6.3	EV-2893-0	11	73	P4	2000	PENTODE SECTION.
6HG8	6.3	EV-6703-0	29	84	P4	3200	TRIODE SECTION.
6HK8	6.3	EV-7608-9	24	83	P4	3200	TRIODE NO. 1
6HK8	6.3	EV-2103-9	24	83	P4	3200	TRIODE NO. 2
6HU6	6.3	EV-1603-0	26	--	P4	----	SOLID BAR. (SEE BELOW).
6HU6	6.3	EV-1603-0	0	--	P4	----	SPLIT BAR. JUMPER NOVAL SOCKET PINS 7 & 9. CONNECT A 100K OHM, 1/2 WATT, 10% RESISTOR FROM THIS JUMPER TO PIN NO. 6.
6HU8	6.3	EV-6897-0	10	86	P4	4300	PENTODE NO. 1.
6HU8	6.3	EV-2317-0	10	86	P4	4300	PENTODE NO. 2.
6JV6	6.3	83-B732-A	55	90	P4	5500	MODEL 800# NOTE 3
6JWB	6.3	EV-2637-0	16	75	P4	2100	PENTODE SECTION.
6JWB	6.3	EV-9108-0	18	61	P4	1350	TRIODE SECTION.
6JXB	6.3	EV-2673-1	7	50	--	1100	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4.
6JXB	6.3	EV-9803-0	13	73	P4	2000	TRIODE SECTION.
6KG6	6.3	EV-1039-2	76	88	P4	5000	CAP = P. USE ADAPTER SA-8, 1050-168.
6KH8	6.3	EV-2397-0	10	86	P4	4300	PENTODE NO. 1. NOTE 4# 6-, 8+. CONNECT NEGATIVE END OF A 30 VOLT BATTERY TO PIN 6 OF OCTAL TEST SOCKET. CONNECT POSITIVE END OF THE 30 VOLT BATTERY TO PIN 8 OF OCTAL TEST SOCKET.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6KH8	6.3	EV-6897-0	10	86	P4	4300	PENTODE NO. 2. NOTE 4# 1-, 8+. CONNECT NEGATIVE END OF A 30 VOLT BATTERY TO PIN 1 OF OCTAL TEST SOCKET. CONNECT POSITIVE END OF THE 30 VOLT BATTERY TO PIN 8 OF OCTAL TEST SOCKET. CAUTION# DISCONNECT BATTERY (EVEREADY NO. 413) BETWEEN SELECTOR CHANGES.
6KH8	6.3	EV-2107-0	50	0	P4	----	TRIODE SECTION. OK ABOVE 250 ON 3000 SCALE.
6KN8	6.3	EV-7608-0	20	90	P4	6000	TRIODE NO. 1.
6KN8	6.3	EV-2103-0	20	90	P4	6000	TRIODE NO. 2.
6KW6	6.3	EV-1637-0	45	87	P4	4200	USE ADAPTER SA-8, 1050-168.
6L12	6.3	EV-7608-0	21	64	P4	1450	TRIODE NO. 1.
6L12	6.3	EV-2103-0	21	64	P4	1450	TRIODE NO. 2.
6L13	12.6	EV-7608-0	12	58	P4	1250	TRIODE NO. 1.
6L13	12.6	EV-2103-0	12	58	P4	1250	TRIODE NO. 2.
6L34	6.3	JR-3702-0	11	86	P4	3700	
6LD3	6.3	HS-3108-0	15	48	P4	1000	TRIODE SECTION.
6LD3	6.3	HS-0608-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
6LD3	6.3	HS-0508-0	0	22	P1	----	DIODE NO. 2. NOTE 1.
6LD12	6.3	EV-8907-0	8	57	P4	1200	TRIODE SECTION.
6LD12	6.3	EV-0607-0	0	26	P1	----	DIODE NO. 1. NOTE 1.
6LD12	6.3	EV-0203-0	0	76	P1	----	DIODE NO. 2. NOTE 1.
6LD12	6.3	EV-0107-0	0	76	P1	----	DIODE NO. 3. NOTE 1.
6LD13	6.3	EV-2103-0	15	48	P4	1000	TRIODE SECTION.
6LD13	6.3	EV-0603-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
6LD13	6.3	EV-0803-0	0	22	P1	----	DIODE NO. 2. NOTE 1.
6LF6	6.3	B3-5032-4	71	82	P4	4400	CAP=P. MODEL 800# USE ADAPTER CA-4. NOTE 3.
6LN8	6.3	EV-2637-1	7	83	P4	2950	PENTODE SECTION.
6LN8	6.3	EV-9108-6	26	83	P4	3100	TRIODE SECTION.
6LX8	6.3	EV-2637-0	16	75	P4	2100	PENTODE SECTION.
6LX8	6.3	EV-9108-0	18	61	P4	1350	TRIODE SECTION.
6M5	6.3	EV-2713-0	19	89	P4	4750	
6MG8	6.3	EV-2637-0	10	82	P4	3000	PENTODE SECTION.
6MG8	6.3	EV-9108-0	8	89	P4	4900	TRIODE SECTION.
6M-HH3	6.3	JR-6307-0	18	91	P4	5200	TRIODE NO. 1.
6M-HH3	6.3	JR-5207-0	18	91	P4	5200	TRIODE NO. 2.
6N3	6.3	EV-0903-0	0	85	P1	----	NOTE 1.
6N-H10	6.3	13-4107-0	15	80	P4	2400	
6N-H10	6.3	DS-4107-0	15	80	P4	2700	USE ADAPTER SA-3, 1050-127. NOTE 3.
6N-L7	6.3	13-4208-0	68	21	P4	825	
6N-L7	6.3	DS-4107-0	68	21	P4	825	USE ADAPTER SA-3, 1050-127. NOTE 3.
6PL12	6.3	EV-3672-0	19	88	P4	4300	PENTODE SECTION.
6PL12	6.3	EV-1908-0	6	73	P4	2050	TRIODE SECTION.
6R3	6.3	EV-0009-0	0	62	--	----	CAP * P. HOLD DOWN P6 & PRESS P3. NOTE 1.
6R-HH2	6.3	EV-7608-9	24	83	P4	3200	TRIODE NO. 1.
6R-HH2	6.3	EV-2103-9	24	83	P4	3200	TRIODE NO. 2.
6R-HH8	6.3	EV-7608-0	20	90	P4	6000	TRIODE NO. 1.
6R-HH8	6.3	EV-2103-0	20	90	P4	6000	TRIODE NO. 2.
6R-K19	6.3	EV-0009-0	0	71	--	----	CAP = P. HOLD DOWN P6 & PRESS P3. SHORTS 1,2,3.
6R-P15	6.3	EV-1793-0	10	89	P4	5500	
6R-P22	6.3	EV-2631-7	8	87	P4	4000	
6S2A	6.3	ES-0000-0	0	84	P5	----	CAP = P. NOTE 1.
6U9	6.3	FW-3782-4	10	83	P4	3300	PENTODE SECTION. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
6U9	6.3	FW-A901-0	29	81	P4	3000	TRIODE SECTION.
6V9	6.3	FW-3741-2	7	53	--	1100	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
6V9	6.3	FW-8A09-0	22	81	P4	3000	TRIODE SECTION.
6X4	6.3	JR-0607-3	0	24	P3	----	PLATE NO. 1. NOTE 1.
6X4	6.3	JR-0307-6	0	24	P3	----	PLATE NO. 2.
6X6	6.3	JR-5407-6	--	--	P4	----	EYES OPEN.
6X6	6.3	JR-5437-6	--	--	P4	----	EYES CLOSED.
6X9	6.3	FW-3782-4	10	84	P4	3600	PENTODE SECTION. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.

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TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6X9	6.3	FW-A901-0	12	81	P4	3000	TRIODE SECTION.
6Y9	6.3	FW-8A97-0	13	88	P4	5000	PENTODE NO. 1. USE ADAPTER SA-11. MODEL 800#
6Y9	6.3	FW-1432-0	13	83	P4	3300	USE SA-11 & CA-4. NOTE 3. PENTODE NO. 2.
7AN7	7.5	EV-6907-0	22	90	P4	5750	TRIODE NO. 1.
7AN7	7.5	EV-2301-0	22	90	P4	5750	TRIODE NO. 2.
7D6	6.3	JR-3572-0	23	80	P4	2600	
7D9	6.3	JR-3572-0	23	80	P4	2600	
7ES8	7.5	EV-7608-0	27	87	P4	4000	TRIODE NO. 1.
7ES8	7.5	EV-2103-0	27	87	P4	4000	TRIODE NO. 2.
7F16	6.3	HS-6158-0	19	65	P4	1500	USE ADAPTER SA-5, 1050-129.
7FC7	7.5	EV-6908-0	23	89	P4	5400	TRIODE NO. 1.
7FC7	7.5	EV-2301-0	23	89	P4	5400	TRIODE NO. 2.
7GS7	7.5	EV-9678-0	10	83	P4	3000	PENTODE SECTION.
7GS7	7.5	EV-1203-0	31	83	P4	3500	TRIODE SECTION.
7GV7	7.5	EV-7328-0	13	84	P4	3500	PENTODE SECTION.
7GV7	7.5	EV-9108-0	30	83	P4	3400	TRIODE SECTION.
7HG8	7.5	EV-2893-0	11	73	P4	2000	PENTODE SECTION.
7HG8	7.5	EV-6703-0	29	84	P4	3200	TRIODE SECTION.
8A8	10.0	EV-2637-1	7	83	P4	2950	PENTODE SECTION.
8A8	10.0	EV-9108-6	26	83	P4	3100	TRIODE SECTION.
8AVLL	7.5	83-9A04-0	21	80	P4	2600	TRIODE NO. 1.
8AV11	7.5	83-7506-0	21	80	P4	2600	TRIODE NO. 2.
8AV11	7.5	83-8203-3	21	80	P4	2600	
8AV11		TRIODE NO. 3. MODEL 800#		NOTE 3.			
8B8	7.5	EV-3672-0	19	88	P4	4300	PENTODE SECTION.
8B8	7.5	EV-1908-0	6	73	P4	2050	TRIODE SECTION.
8CW5	7.5	EV-2793-0	38	91	P4	6700	
8D3	6.3	JR-3572-6	15	73	P4	2000	
8D5	6.3	EV-2783-9	17	55	P4	1250	
8D6	6.3	EV-2781-9	6	86	P4	3700	
8D7	6.3	EV-0783-9	17	59	P4	1250	CAP = G.
8D8	6.3	EV-9613-8	11	65	P4	1500	
8DX8	7.5	EV-8697-0	10	90	P4	5500	PENTODE SECTION.
8DX8	7.5	EV-1203-0	10	87	P4	4000	TRIODE SECTION.
8GJ7	7.5	EV-2671-0	10	84	P4	3200	PENTODE SECTION.
8GJ7	7.5	EV-9803-0	28	90	P4	4800	TRIODE SECTION.
8K11	7.5	83-9A04-8	24	75	P4	2200	TRIODE NO. 1.
8K11	7.5	83-7506-8	12	58	P4	1250	TRIODE NO. 2.
8K11	7.5	83-8203-8	12	58	P4	1250	TRIODE NO. 3. MODEL 800# NOTE 3
8LS6	7.5	EV-2781-3	5	87	P4	5000	
8U9	7.5	FW-3782-4	10	83	P4	3300	PENTODE SECTION. USE ADAPTER SA-11. MODEL 800#
8U9	7.5	FW-A901-0	29	81	P4	3000	USE SA-11 & CA-4. NOTE 3. TRIODE SECTION.
8X9	7.5	FW-3782-4	10	84	P4	3600	PENTODE SECTION. USE ADAPTER SA-11. MODEL 800#
8X9	7.5	FW-A901-0	12	81	P4	3000	USE SA-11 & CA-4. NOTE 3. TRIODE SECTION.
9A8	10.0	EV-2637-1	7	83	P4	2950	TRIODE SECTION.
9A8	10.0	EV-9108-6	26	83	P4	3100	PENTODE SECTION.
9A84	10.0	JR-6307-0	13	83	P4	3250	TRIODE SECTION.
9AK8	10.0	EV-8907-0	8	57	P4	1200	TRIODE SECTION.
9AK8	10.0	EV-0607-0	0	26	P1	----	DIODE NO. 1. NOTE 1.
9AK8	10.0	EV-0203-0	0	76	P1	----	DIODE NO. 2. NOTE 1.
9AK8	10.0	EV-0107-0	0	76	P1	----	DIODE NO. 3. NOTE 1.
9A08	10.0	EV-7608-9	21	64	P4	1450	TRIODE NO. 1.
9A08	10.0	EV-2103-9	21	64	P4	1450	TRIODE NO. 2.
9BR8	10.0	EV-9678-0	10	80	P4	2700	PENTODE SECTION.
9BR8	10.0	EV-1203-0	18	88	P4	4900	TRIODE SECTION.
9BW6	10.0	EV-2783-9	17	87	P4	4100	
9CG8	10.0	EV-9678-0	12	81	P4	3000	PENTODE SECTION.
9CG8	10.0	EV-1203-0	20	84	P4	3500	TRIODE SECTION.
9D6	6.3	JR-3572-6	11	65	P4	1500	
9E04	7.5	EV-0801-0	0	60	P1	----	CAP = G. NOTE 1. USE ADAPTER SA-8, 1050-168.

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	
9GH8A	10.0	EV-2637-0	12	78	P4	2500	PENTODE SECTION.
9GH8A	10.0	EV-9108-0	14	88	P4	5000	TRIODE SECTION.
9GV8	10.0	EV-9678-0	26	91	P4	7000	PENTODE SECTION.
9GV8	10.0	EV-2103-0	20	78	P4	2300	TRIODE SECTION.
9J6	10.0	JR-5207-0	21	81	P4	3000	TRIODE NO. 1
9J6	10.0	JR-6307-0	21	81	P4	3000	TRIODE NO. 2
9JW8	10.0	EV-2637-0	16	75	P4	2100	PENTODE SECTION.
9JW8	10.0	EV-9108-0	18	61	P4	1350	TRIODE SECTION.
9V9	10.0	FW-3741-2	7	53	--	1100	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
9V9	10.0	FW-8A09-0	22	81	P4	3000	TRIODE SECTION.
10C14	20.0	EV-2613-7	13	59	P4	1300	HEPTODE SECTION.
10C14	20.0	EV-9803-2	21	79	P4	2750	TRIODE SECTION.
10CW5	10.0	EV-2793-0	30	91	P4	6700	
10D2	19.0	JR-0703-0	0	78	P1	----	DIODE NO. 1. NOTE 1.
10D2	19.0	JR-0205-0	0	78	P1	----	DIODE NO. 2. NOTE 1.
10DX8	10.0	EV-8697-0	10	90	P4	5500	PENTODE SECTION.
10DX8	10.0	EV-1203-0	10	87	P4	4000	TRIODE SECTION.
10FD12	20.0	EV-2613-9	6	81	P4	----	PENTODE SECTION.
10FD12	20.0	EV-0803-0	0	42	P1	----	DIODE NO. 1. NOTE 1.
10FD12	20.0	EV-0703-0	0	42	P1	----	DIODE NO. 2. NOTE 1.
10GV8	10.0	EV-9678-0	26	91	P4	7000	PENTODE SECTION.
10GV8	10.0	EV-2103-0	20	78	P4	2300	TRIODE SECTION.
10LD3	12.6	HS-3108-0	15	48	P4	1000	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
10LD3	12.6	HS-0608-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
10LD3	12.6	HS-0508-0	0	22	P1	----	DIODE NO. 2. NOTE 1.
10LD12	25.0	EV-8907-0	8	57	P4	1200	TRIODE SECTION.
10LD13	12.6	EV-2103-0	15	48	P4	1000	TRIODE SECTION.
10LD13	12.6	EV-0603-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
10LD13	12.6	EV-0803-0	0	22	P1	----	DIODE NO. 2. NOTE 1.
10LD14	25.0	EV-7608-0	21	64	P4	1450	TRIODE NO. 1.
10LD14	25.0	EV-2103-0	21	64	P4	1450	TRIODE NO. 2.
10P18	50.0	EV-2793-0	38	91	P4	6700	
10PL12	50.0	EV-3672-0	19	88	P4	4300	PENTODE SECTION.
10PL12	50.0	EV-1908-0	6	73	P4	2050	TRIODE SECTION.
11AF9	12.6	FW-8A97-0	13	88	P4	5000	PENTODE NO. 1. USE ADAPTER SA-11, 1050-177. MODEL 800# NOTE 3.
11AF9	12.6	FW-1432-0	13	83	P4	3300	PENTODE NO. 2.
11BM8	10.0	EV-3672-0	24	87	P4	4300	PENTODE SECTION.
11BM8	10.0	EV-1908-0	11	73	P4	2000	TRIODE SECTION.
11R3	10.0	EV-0009-0	0	62	--	----	CAP=P. HOLD DOWN P6 AND PRESS P3. NOTE 1
11Y9	10.0	FW-8A97-0	13	88	P4	5000	PENTODE NO. 1. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
11Y9	10.0	FW-1432-0	13	83	P4	3300	PENTODE NO. 2.
12AC5	12.6	HS-6158-0	19	65	P4	1500	USE ADAPTER SA-5, 1050-129.
12AJ7	12.6	EV-2613-7	13	59	P4	1300	HEPTODE SECTION.
12AJ7	12.6	EV-9803-2	21	79	P4	2750	TRIODE SECTION.
12B-B14	12.6	EV-1063-0	35	89	P4	5200	CAP = P. USE ADAPTER SA-8, 1050-168.
12BR3	12.6	EV-0009-0	0	71	--	----	CAP = P. REVERSE METER. HOLD DOWN P6 & PRESS P3
12BX6	12.6	EV-2781-9	6	86	P4	3700	
12DA6	12.6	EV-2783-9	8	78	P4	2500	
12DW4A	12.6	EV-0209-0	0	59	P3	----	USE ADAPTER SA-4, 1050-144 OR CA-4, 1050-135. NOTE 1. FOR MODEL 800A# NO ADAPTER REQUIRED.
12FQ7	12.6	EV-7608-0	23	79	P4	2600	TRIODE NO. 1.
12FQ7	12.6	EV-2103-0	23	79	P4	2600	TRIODE NO. 2.
12GB3	12.6	JR-5047-0	46	95	P4	11500	CAP = P.
12G-K17	12.6	JX-0503-0	0	73	P3	----	NOTE 1.
12H-B25	12.6	EV-2079-8	50	88	P4	4300	CAP=P. USE ADAPTER SA-8, 1050-168.
12HUB	12.6	EV-2317-0	10	86	P4	4300	PENTODE NO. 1.
12HUB	12.6	EV-6897-0	10	86	P4	4300	PENTODE NO. 2.
12RK19	12.6	EV-0009-0	0	71	--	----	CAP = P. REVERSE METER. HOLD DOWN P6 & PRESS P3
12S7	12.6	HS-6158-4	9	70	P4	1800	PENTODE SECTION. USE ADAPTER SA-5, 1050-129.

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TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
12S7	12.6	HS-0308-0	0	58	P1	----	DIODE SECTION. NOTE 1.
13CM5	12.6	JR-5047-0	50	89	P4	4700	CAP = P.
13D1	25.0	JX-4506-1	23	79	P4	2600	TRIODE NO. 1.
13D1	25.0	JX-2103-5	23	79	P4	2600	TRIODE NO. 2.
13D2	6.3	JX-4506-1	23	79	P4	2600	TRIODE NO. 1.
13D2	6.3	JX-2103-5	23	79	P4	2600	TRIODE NO. 2.
13GB5	12.6	EV-2078-0	63	88	P4	4500	CAP = P. USE ADAPTER SA-8, 1050-168.
14GW8	12.6	EV-8637-0	10	87	P4	4750	PENTODE SECTION.
14GW8	12.6	EV-1902-0	10	42	P4	900	TRIODE SECTION.
14K7	12.6	HS-6158-4	14	60	P4	1300	HEXODE SECTION. USE ADAPTER SA-5, 1050-129.
14K7	12.6	HS-4308-6	24	66	P4	1500	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
14L7	12.6	HS-3108-0	15	48	P4	1000	TRIODE SECTION.
14L7	12.6	HS-0608-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
14L7	12.6	HS-0508-0	0	22	P1	----	DIODE NO. 2. NOTE 1.
15CW5	12.6	EV-2793-0	46	88	P4	5000	MAKE 'LINE TEST' AT 1700 ON 3000 SCALE.
15D08	12.6	EV-8697-0	10	90	P4	5900	PENTODE SECTION.
15D08	12.6	EV-1203-0	10	87	P4	4000	TRIODE SECTION.
16A5	20.0	EV-2793-0	24	90	P4	5000	DISREGARD SHORTS TEST AFTER GM TEST IS COMPLETE ALLOW 60 SEC. FOR HEATER WARMUP. ALLOW 5 SEC. TO OBTAIN GM READING. MAKE LINE TEST AT 1300 ON 3000 SCALE.
16A8	20.0	EV-3672-0	13	90	P4	5500	PENT. SECT. SET LINE ADJ. TO 1450 ON 3000 SCALE
16A8	20.0	EV-1908-0	17	48	P4	1000	TRIODE SECT. SET LINE ADJ. TO 1450 ON 3000 SCAL
16AQ3	20.0	EV-0009-0	0	76	--	----	CAP = P. HOLD DOWN P6 AND PRESS P3. MAKE LINE TEST AT 1350 ON 3000 SCALE.
16HB5	20.0	B3-B72A-0	62	89	P4	5600	MAKE 'LINE TEST' AT 1400 ON 3000 SCALE. MODEL 800# NOTE 3.
16JV6	20.0	B3-B732-A	55	90	P4	5500	MAKE 'LINE TEST' AT 1400 ON 3000 SCALE. MODEL 800# NOTE 3.
16LU8A	20.0	B3-6489-0	40	87	P4	4400	PENTODE SECTION. MAKE 'LINE TEST' AT 1350 ON 3000 SCALE.
16LU8A	20.0	B3-A208-0	24	61	P4	1300	TRIODE SECTION MODEL 800# NOTE 3.
16Y9	20.0	FW-8A97-0	13	88	P4	5000	PENTODE NO. 1. MAKE 'LINE TEST' AT 1400 ON 3000 SCALE. USE ADAPTER SA-11. MODEL 800# USE SA-11 CA-4. NOTE 3.
16Y9	20.0	FW-1432-0	13	81	P4	3000	PENT. NO. 2. MAKE 'LINE TEST' @ 1400 ON 3000 SCALE
17A8	20.0	EV-2637-0	10	80	P4	2700	PENT. SECT. MAKE 'LINE TEST' @ 1400 ON 3000 SCAL
17A8	20.0	EV-9108-0	25	84	P4	3600	TRIODE SECTION. MAKE 'LINE TEST' AT 1400 ON 3000 SCALE.
17AB9	20.0	FW-978A-0	14	81	P4	3000	TETRODE NO. 1. MAKE 'LINE TEST' AT 1400 ON 3000 SCALE. USE ADAPTER SA-11. MODEL 800# USE SA-11 CA-4. NOTE 3.
17AB9	20.0	FW-3124-0	14	81	P4	3000	TETRODE NO. 2. MAKE 'LINE TEST' AT 1400 ON 3000 SCALE.
17B-B14	20.0	EV-1063-0	35	89	P4	5200	CAP = P. MAKE 'LINE TEST' AT 1400 ON 3000 SCALE USE ADAPTER SA-8, 1050-168.
17BR3	20.0	EV-0009-0	0	76	--	----	CAP = P. MAKE 'LINE TEST' AT 1300 ON 3000 SCALE HOLD DOWN P6 & PRESS P3. SHORT ON 1, 2, 3, 4.
17C8	20.0	EV-2613-9	5	73	P4	2200	PENTODE SECTION.
17C8	20.0	EV-0703-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
17C8	20.0	EV-0803-0	0	22	P1	----	DIODE NO. 2. NOTE 1.
17DW4A	20.0	EV-0209-0	0	65	P3	----	MAKE 'LINE TEST' AT 1400 ON 3000 SCALE. NOTE 1. USE ADAPTER SA-4 OR CA-4. FOR MODEL 800A# NO ADAPTER REQUIRED.
17EW8	20.0	EV-7608-0	16	84	P4	3400	TRIODE NO. 1. (SEE BELOW).
17EW8	20.0	EV-2103-0	16	84	P4	3400	TRIODE NO. 2. SET LINE ADJUST TO 1450 ON 3000 SCALE.
17H-825	20.0	EV-2079-8	50	88	P4	4300	CAP=P. USE ADAPTER SA-8, 1050-168. MAKE 'LINE TEST' AT 1400 ON 3000 SCALE.
17KW6	20.0	EV-1637-0	45	87	P4	3100	MAKE 'LINE TEST' AT 1400 ON 3000 SCALE. USE ADAPTER SA-8, 1050-168.
17R-K19	20.0	EV-0009-0	0	76	--	----	CAP = P. MAKE 'LINE TEST' AT 1300 ON 3000 SCALE HOLD DOWN P6 & PRESS P3. SHORT ON 1, 2, 3, 4.
17Z3	20.0	EV-0009-0	0	62	--	----	CAP = P. HOLD DOWN P6 AND PRESS P3.
18GB5	20.0	EV-2078-0	63	88	P4	4500	CAP = P. USE ADAPTER SA-8, 1050-168.
18GV8	20.0	EV-9678-0	26	91	P4	7000	PENTODE SECTION.

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
18GV8	20.0	EV-2103-0	20	78	P4	2300	TRIODE SECTION.
18J6	20.0	JR-5207-0	17	83	P4	3000	TRIODE NO. 1.
18J6	20.0	JR-6307-0	17	83	P4	3000	TRIODE NO. 2.
19AJ8	20.0	EV-2613-7	13	59	P4	1300	HEPTODE SECTION.
19AJ8	20.0	EV-9803-2	21	79	P4	2750	TRIODE SECTION.
19BR5	20.0	EV-1902-0	--	100	P5	----	CONNECT A 1 MEG. RESISTOR FROM PLATE JACK TO OCTAL TEST SOCKET PIN NO. 8. VARY BIAS TO VARY BEAM ANGLE.
19BX6	20.0	EV-2781-9	6	86	P4	3700	
19BY7	20.0	EV-2781-9	17	80	P4	2550	
19D8	20.0	EV-2613-7	13	59	P4	1300	HEPTODE SECTION.
19D8	20.0	EV-9803-2	21	79	P4	2750	TRIODE SECTION.
19EW7	20.0	EV-7608-0	27	73	P4	1900	TRIODE NO. 1.
19EW7	20.0	EV-2109-0	61	86	P4	4300	TRIODE NO. 2.
19FL8	20.0	EV-7613-9	6	81	P4	2900	PENTODE SECTION.
19FL8	20.0	EV-0803-0	0	42	P1	----	TRIODE NO. 1. NOTE 1.
19FL8	20.0	EV-0703-0	0	42	P1	----	TRIODE NO. 2. NOTE 1.
19G3	4.3	JR-0000-0	0	34	P3	----	CAP = P. NOTE 1.
19KF6	20.0	EV-7963-2	68	88	P4	4000	USE ADAPTER SA-8, 1050-168.
20A3	6.3	JR-3602-5	--	96	P5	----	NOTE 2. STRIKES AT ABOUT 25.
20A03	20.0	EV-0009-0	0	68	--	----	CAP = P. HOLD DOWN P6 & PRESS P3. DISREGARD SHORTS TEST.
20LF6	20.0	B3-5032-4	71	82	P4	4400	CAP=P. MODEL 800# NOTE 3.
21K06	20.0	EV-8039-2	65	87	P4	4200	CAP = P. USE ADAPTER SA-8, 1050-168.
23JS6A	25.0	B3-5032-4	60	89	P4	4500	CAP = P. NOTE 3.
25B-B14	25.0	EV-1063-0	35	89	P4	5200	CAP = P. USE ADAPTER SA-8, 1050-168.
25BR3	25.0	EV-0009-0	0	71	--	----	CAP=P. HOLD DOWN P6 & PRESS P3. SHORT ON 1,2,3.
25E5	25.0	JR-5047-0	50	89	P4	4700	CAP = P.
25H-B25	25.0	EV-2079-8	50	88	P4	4300	CAP=P. USE ADAPTER SA-8, 1050-168.
25HX5	25.0	EV-7963-0	50	88	P4	4700	USE ADAPTER SA-8, 1050-168.
25R-K19	25.0	EV-0009-0	0	71	--	----	CAP=P. HOLD DOWN P6 & PRESS P3. SHORT ON 1,2,3.
26A08	25.0	EV-7608-9	21	64	P4	1450	TRIODE NO. 1.
26A08	25.0	EV-2103-9	21	64	P4	1450	TRIODE NO. 2.
26DQ5	25.0	JR-2043-0	50	88	--	4200	CAP=P. HOLD DOWN P1 AND PRESS P4.
27G85	25.0	EV-2078-0	63	88	P4	4500	CAP = P. USE ADAPTER SA-8, 1050-168.
27KG6	25.0	EV-1039-2	76	88	P4	5000	CAP = P. USE ADAPTER SA-8, 1050-168.
27LF6	25.0	B3-5032-4	71	82	P4	4400	CAP=P. MODEL 800# NOTE 3.
28AK8	25.0	EV-8907-0	8	57	P4	1200	TRIODE SECTION.
28AK8	25.0	EV-0607-0	0	26	P1	----	DIODE NO. 1. NOTE 1.
28AK8	25.0	EV-0607-0	0	76	P1	----	DIODE NO. 2. NOTE 1.
28AK8	25.0	EV-0107-0	0	76	P1	----	DIODE NO. 3. NOTE 1.
28EC4	OFF	EV-0007-0	--	--	--	----	SHORT TEST ONLY.
28EC4	25.0	EV-0007-0	0	80	--	----	CAP = P. HOLD DOWN P6 & PRESS P3. USE ADAPTER SA-8, 1050-168.
29KQ6	25.0	EV-8039-2	65	87	P4	4200	CAP = P. USE ADAPTER SA-8, 1050-168.
30A5	35.0	KR-2763-0	38	91	P4	6700	BEFORE PLACING TUBE JUMPER A 33 OHM, 2 WATT RESISTOR BETWEEN PINS 9 & 8 OF THE 9 PIN MIN. SOCKET, COUNTING COUNTER CLOCKWISE.
30AE3	OFF	EV-0009-0	0	68	--	----	CAP = P. HOLD DOWN P6 AND PRESS P3. DISREGARD SHORTS TEST.
30AE3	25.0	EV-0009-0	--	--	--	----	FOR SHORT TEST ONLY.
30C1	10.0	EV-2637-1	7	83	P4	2950	PENTODE SECTION
30C1	10.0	EV-9108-6	26	83	P4	3100	TRIODE SECTION
30L1	7.5	EV-6907-0	22	90	P4	5750	TRIODE NO. 1.
30L1	7.5	EV-2301-0	22	90	P4	5750	TRIODE NO. 2.
31A3	35.0	CX-0108-0	0	74	P1	----	SET LINE ADJUST TO 1350 ON 3000 SCALE. USE ADAPTER SA-5, 1050-129. NOTE 1.
31AV3	35.0	EV-0903-0	0	74	P1	----	MAKE 'LINE TEST' AT 1350 ON 3000 SCALE. NOTE 1.
32A8	35.0	EV-3672-0	24	87	P4	4300	PENTODE SECTION
32A8	35.0	EV-1908-0	11	73	P4	2000	TRIODE SECTION
34R3	35.0	EV-0009-0	0	62	--	----	CAP = P. HOLD DOWN P6 & PRESS P3.
35D5	35.0	EV-9687-0	31	89	P4	4500	
38A3	35.0	EV-0903-0	0	73	P3	----	NOTE 1.
40KG6	35.0	EV-1039-2	76	88	P4	5000	CAP = P. USE ADAPTER SA-8, 1050-168.

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
42EC4	OFF	EV-0007-0	--	--	--	----	SHORT TEST ONLY. CAP = P. HOLD DOWN P6 & PRESS P3. USE ADAPTER SA-8, 1050-168. USE ADAPTER SA-5, 1050-129.
42EC4	50.0	EV-0007-0	0	80	--	----	
45A5	50.0	HS-6158-0	19	89	P4	4750	PENTODE SECTION. TRIODE SECTION. CAP = P. CAP = P. PLATE NO. 1. USE ADAPTER SA-6, 1050-107. NOTE 4# 1-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
45B5	50.0	EV-2793-0	38	91	P4	6700	
50BM8	50.0	EV-3672-0	24	87	P4	4300	PLATE NO. 2. USE ADAPTER SA-6, 1050-107. NOTE 4# 6-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET. NOTE 1. OK ABOVE 200 ON 3000 SCALE. NOTE 1. OK ABOVE 500 ON 3000 SCALE. DIODE NO. 1. DIODE NO. 2.
50BM8	50.0	EV-1908-0	11	73	P4	2000	
50E5	50.0	JR-5047-0	50	89	P4	4700	
50JY6	50.0	JR-5047-3	50	88	P4	4700	
5894	12.6	JS-6034-0	25	83	P4	3800	
5894	12.6	JS-1034-0	25	83	P4	3800	
5911	0.6	DV-4210-0	13	0	P1	----	TRIODE NO. 1. TRIODE NO. 2.
5913	1.1	DV-4210-0	13	0	P1	----	
5920	6.3	JR-5207-0	29	79	P4	2600	DIODE NO. 1. DIODE NO. 2.
5920	6.3	JR-6307-0	29	79	P4	2600	
6042	25.0	JX-4506-1	23	79	P4	2600	TRIODE NO. 1. TRIODE NO. 2.
6042	25.0	JX-2103-5	23	79	P4	2600	
6057	12.6	EV-7608-0	7	60	P4	1250	TRIODE NO. 1. TRIODE NO. 2.
6057	12.6	EV-2103-0	7	60	P4	1250	
6059	6.3	EV-2783-9	17	55	P4	1250	TRIODE NO. 1. TRIODE NO. 2.
6060	12.6	EV-7608-0	13	83	P4	3250	
6060	12.6	EV-2103-0	13	83	P4	3250	DIODE NO. 1. NOTE 1. DIODE NO. 2. NOTE 1.
6061	6.3	EV-2783-9	17	87	P4	4100	
6063	6.3	JR-0607-3	0	27	P3	----	DIODE NO. 1. NOTE 1. DIODE NO. 2. NOTE 1.
6063	6.3	JR-0307-6	0	27	P3	----	
6064	6.3	JR-3572-0	15	73	P4	2000	TRIODE SECTION. DIODE NO. 1. NOTE 1. DIODE NO. 2. NOTE 1.
6065	6.3	JR-3572-6	11	65	P4	1500	
6066	6.3	JR-3702-0	10	60	P4	1100	TRIODE NO. 1. TRIODE NO. 2.
6066	6.3	JR-3602-0	0	26	P1	----	
6066	6.3	JR-3502-0	0	26	P1	----	
6067	12.6	EV-7608-0	18	75	P4	2200	TRIODE SECTION. CAP = G. DIODE NO. 1. NOTE 1. DIODE NO. 2. NOTE 1.
6067	12.6	EV-2103-0	18	75	P4	2200	
6118	6.3	JR-0307-0	14	38	P4	800	TETRODE NO. 1. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET. NOTE 4# 6-, 4+.
6118	6.3	JR-0507-0	0	23	P1	----	
6118	6.3	JR-0407-0	0	23	P1	----	TETRODE NO. 2. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET. NOTE 4# 1-, 4+.
6132	6.3	EV-2783-9	0	92	P4	6700	
6227	6.3	EV-2783-9	15	89	P4	2500	TETRODE NO. 1. NOTE 4# 2-, 1+. TETRODE NO. 2. NOTE 4# 3-, 1+. CAP = P. NOTE 1. USE ADAPTER SA-2, 1050-99.
6252	12.6	JS-1034-0	28	80	P4	2500	
6252	12.6	JS-6034-0	28	80	P4	2500	AMP. SECTION. HOLD DOWN P1 & PRESS P4. OSC. SECTION.
6267	6.3	EV-9613-8	11	65	P4	1500	
6360	12.6	EV-3872-0	20	83	P4	3300	CAP=P. TETRODE NO. 1. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET. NOTE 4# 6-, 4+.
6360	12.6	EV-1672-0	20	83	P4	3300	
6374	6.3	EV-0003-0	0	54	P3	----	TETRODE NO. 2. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET. NOTE 4# 1-, 4+.
6375	1.1	EV-1800-0	19	83	P4	3400	
6516	6.3	JR-3572-0	23	80	P4	2600	TETRODE NO. 1. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET. NOTE 4# 6-, 4+.
6686	6.3	EV-2783-9	15	83	P4	3100	
6687	6.3	JR-7562-3	0	53	--	1100	TETRODE NO. 2. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET. NOTE 4# 1-, 4+.
6687	6.3	JR-3562-7	0	50	P4	1050	
6688	6.3	EV-2791-8	10	87	P4	4300	TETRODE NO. 1. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET. NOTE 4# 6-, 4+.
6689	6.3	EV-2613-9	14	88	P4	4200	
6761	6.3	EV-2173-0	25	89	P4	6500	TETRODE NO. 2. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET. NOTE 4# 1-, 4+.
6883	12.6	JR-5032-7	30	93	P4	7200	
6907	12.6	JS-1034-0	28	80	P4	2500	TETRODE NO. 1. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET. NOTE 4# 6-, 4+.
6907	12.6	JS-6034-0	28	80	P4	2500	

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6922	6.3	EV-7608-0	23	92	P4	6500	TRIODE NO. 1.
6922	6.3	EV-2103-0	23	92	P4	6500	TRIODE NO. 2.
6927	6.3	JR-5207-0	17	83	P4	3000	TRIODE NO. 1.
6927	6.3	JR-6307-0	17	83	P4	3000	TRIODE NO. 2.
6939	12.6	EV-3872-0	10	88	P4	5000	TETRODE NO. 1. NOTE 4# 2-, 1+.
6939	12.6	EV-1672-0	10	88	P4	5000	TETRODE NO. 2. NOTE 4# 3-, 1+.
7062	12.6	EV-7608-1	20	83	P4	3200	TRIODE NO. 1.
7062	12.6	EV-2103-6	20	83	P4	3200	TRIODE NO. 2.
7119	12.6	EV-7906-0	27	93	P4	10000	TRIODE NO. 1.
7119	12.6	EV-2103-0	27	93	P4	10000	TRIODE NO. 2.
7308	6.3	EV-7608-0	23	92	P4	6500	TRIODE NO. 1.
7308	6.3	EV-2103-0	23	92	P4	6500	TRIODE NO. 2.
7316	12.6	EV-7608-0	17	75	P4	2200	TRIODE NO. 1.
7316	12.6	EV-2103-0	17	75	P4	2200	TRIODE NO. 2.
7320	6.3	EV-2793-0	15	91	P4	5350	
7534	6.3	JR-5047-0	54	89	P4	5000	CAP = P.
7643	6.3	EV-2637-1	7	83	P4	2950	PENTODE SECTION.
7643	6.3	EV-9108-6	26	83	P4	3100	TRIODE SECTION.
7645	12.6	EV-3872-0	10	88	P4	5000	TETRODE NO. 1. NOTE 4# 2-, 1+.
7645	12.6	EV-1672-0	10	88	P4	5000	TETRODE NO. 2. NOTE 4# 3-, 1+.
7693	6.3	JR-3562-7	12	64	P4	1500	
7694	6.3	JR-3562-7	0	75	P4	2100	
7699	12.6	EV-3872-0	10	88	P4	5000	TETRODE NO. 1. NOTE 4# 2-, 1+.
7699	12.6	EV-1672-0	10	88	P4	5000	TETRODE NO. 2. NOTE 4# 3-, 1+.
7721	6.3	EV-2791-8	10	85	P4	4000	
7737	6.3	EV-2791-8	10	87	P4	4300	
7751	6.3	JR-5347-0	54	89	P4	5000	
7788	6.3	EV-2793-8	15	89	P4	5400	
7854	12.6	JS-6034-0	25	83	P4	3800	PLATE NO. 1. USE ADAPTER SA-6, 1050-107. NOTE 4# 1-, 4+. CONNECT THE PLATE JACK CONNECTO TO THE 'CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
7854	12.6	JS-1034-0	25	83	P4	3800	PLATE NO. 2. USE ADAPTER SA-6, 1050-107. NOTE 4# 6-, 4+. CONNECT THE PLATE JACK CONNECTO TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET.
8223	6.3	EV-7608-0	17	93	P4	12500	TRIODE NO. 1.
8223	6.3	EV-2103-0	17	93	P4	12500	TRIODE NO. 2.
8233	6.3	EV-8139-0	20	91	P4	7500	USE ADAPTER SA-8, 1050-168.
8255	6.3	EV-9802-0	11	84	P4	3500	
8278	6.3	EV-3986-0	30	93	P4	8000	USE ADAPTER SA-8, 1050-168.
8298	6.3	JR-5032-7	30	93	P4	7200	CAP=P.
8348	1.5	EV-1670-3	10	77	P4	2400	TETRODE NO. 1.
8348	1.5	EV-3870-1	10	77	P4	2400	TETRODE NO. 2.
8416	12.6	EV-7608-0	23	92	P4	6500	TRIODE NO. 1
8416	12.6	EV-2103-0	23	92	P4	6500	TRIODE NO. 2
8457	12.6	EV-3872-0	20	83	P4	3300	TETRODE NO. 1 NOTE 4#2-,1+.
8457	12.6	EV-1672-0	20	83	P4	3300	TETRODE NO. 2 NOTE 4#3-,1+
8458	12.6	EV-3872-0	20	83	P4	3300	TETRODE NO. 1 NOTE 4#2-,1+
8458	12.6	EV-1672-0	20	83	P4	3300	MODEL 800# USE ADAPTERS SA-4, OR CA-4. NOTE 3 TETRODE NO. 2 NOTE 4#3-,1+.
8509	2.0	CU-6030-0	25	83	P4	3800	PLATE NO. 1 USE ADAPTER SA-6, 1050-107 NOTE 4#1-,4+ CONNECT THE PLATE JACK CONNECTOR TO CAP PIN OVER PIN 3OF OCTAL SOCKET.
8509	2.0	CU-1030-0	25	83	P4	3800	PLATE NO. 2 NOTE 4#6-,4+ CONNECT THE PLATE JACK TO CAP PIN OVER PIN 6OF OCTAL SOCKET.
8552	12.6	JR-5032-7	30	93	P4	7200	CAP=P.
8556	6.3	EV-1802-0	17	93	P4	10000	
8562	6.3	EV-9802-0	11	84	P4	3500	
8595	12.6	EV-3872-0	10	88	P4	5000	TETRODE NO. 1 NOTE 4#2-,1+.
8595	12.6	EV-1672-0	10	88	P4	5000	TETRODE NO. 2 NOTE 4#3-,1+.
8608	6.3	EV-8039-2	5	93	P4	12000	CAP=P. USE ADAPTER SA-8, 1050-168.
8637	12.6	FZ-1672-0	33	87	P4	4000	TETRODE NO. 1. USE ADAPTER SA-8, 1050-168. NOTE 4# 3-, 1+.
8637	12.6	FZ-3872-0	33	87	P4	4000	TETRODE NO. 2. NOTE 4# 2-, 1+.
8737	12.6	JS-6034-0	25	83	P4	3800	PLATE NO. 1. USE ADAPTER SA-6, 1050-107. NOTE 4# 1-, 4+. CONNECT THE PLATE JACK CONNECTO TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
B737	12.6	JS-1034-0	25	83	P4	3800	PLATE NO. 2. NOTE 4# 6-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET.
18042	20.0	EV-2613-9	10	90	P4	6500	
18043	6.3	EV-2613-9	14	88	P4	4200	
18045	20.0	EV-2783-9	10	86	P4	4000	
18046	20.0	EV-2783-9	10	86	P4	4000	
18048	20.0	JR-6247-3	19	86	P4	4100	
A2900	12.6	EV-7608-0	13	83	P4	3250	TRIODE NO. 1.
A2900	12.6	EV-2103-0	13	83	P4	3250	TRIODE NO. 2.
AX9903	12.6	JS-1034-0	25	83	P4	3800	PLATE NO. 1. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET. NOTE 4# 6-, 4+.
AX9903	12.6	JS-6034-0	25	83	P4	3800	PLATE NO. 2. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET. NOTE 4# 1-, 4+.
AX9910	12.6	JS-1034-0	28	80	P4	2500	TETRODE NO. 1. USE ADAPTER SA-6, 1050-107. NOTE 4# 6-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET.
AX9910	12.6	JS-6034-0	28	80	P4	2500	TETRODE NO. 2. USE ADAPTER SA-6, 1050-107. NOTE 4# 1-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
AZ41	4.3	JX-0600-0	0	16	P3	----	DIODE NO. 1. NOTE 1. USE ADAPTER SA-5, 1050-129
AZ41	4.3	HY-0200-0	0	16	P3	----	DIODE NO. 2. NOTE 1. USE ADAPTER SA-5, 1050-129
B36	12.6	JX-4506-1	20	73	P4	2000	TRIODE NO. 1.
B36	12.6	JX-2103-5	20	73	P4	2000	TRIODE NO. 2.
B65	6.3	JX-4506-1	20	73	P4	2000	TRIODE NO. 1.
B65	6.3	JX-2103-5	20	73	P4	2000	TRIODE NO. 2.
B109	25.0	EV-7608-0	21	64	P4	1450	TRIODE NO. 1.
B109	25.0	EV-2103-0	21	64	P4	1450	TRIODE NO. 2.
B152	12.6	EV-7608-0	10	85	P4	4000	TRIODE NO. 1.
B152	12.6	EV-2103-0	10	85	P4	4000	TRIODE NO. 2.
B309	12.6	EV-7608-0	13	83	P4	3250	TRIODE NO. 1.
B309	12.6	EV-2103-0	13	83	P4	3250	TRIODE NO. 2.
B319	7.5	EV-6907-0	22	90	P4	5750	TRIODE NO. 1.
B319	7.5	EV-2301-0	22	90	P4	5750	TRIODE NO. 2.
B329	12.6	EV-7608-0	17	75	P4	2200	TRIODE NO. 1.
B329	12.6	EV-2103-0	17	75	P4	2200	TRIODE NO. 2.
B339	12.6	EV-7608-0	7	60	P4	1250	TRIODE NO. 1.
B339	12.6	EV-2103-0	7	60	P4	1250	TRIODE NO. 2.
B719	6.3	EV-7608-0	21	64	P4	1450	TRIODE NO. 1.
B719	6.3	EV-2103-0	21	64	P4	1450	TRIODE NO. 2.
BPM04	6.3	JR-3562-0	10	86	P4	4100	
C3G	6.3	JR-6345-2	10	86	P4	4000	
C3M	20.0	JR-6247-3	19	86	P4	4100	
CCA	6.3	EV-7608-0	23	92	P4	6500	TRIODE NO. 1.
CCA	6.3	EV-2103-0	23	92	P4	6500	TRIODE NO. 2.
D3A	6.3	EV-2791-8	10	85	P4	4000	
D63	6.3	JR-0507-0	0	73	P1	----	DIODE NO. 1. NOTE 1.
D63	6.3	JR-0304-0	0	73	P1	----	DIODE NO. 2. NOTE 1.
D77	6.3	JR-0703-0	0	77	P1	----	DIODE NO. 1. NOTE 1.
D77	6.3	JR-0205-0	0	77	P1	----	DIODE NO. 2. NOTE 1.
D152	6.3	JR-0703-0	0	77	P1	----	DIODE NO. 1. NOTE 1.
D152	6.3	JR-0205-0	0	77	P1	----	DIODE NO. 2. NOTE 1.
OA90	1.5	HT-0201-0	0	0	P1	----	NOTE 1.
DAF91	1.5	DX-6580-0	11	0	--	490	PENTODE SECTION. HOLD DOWN P1 & PRESS P4.
DAF91	1.5	HT-0180-0	0	14	P1	----	DIODE SECTION. NOTE 1.
DAF92	1.5	DX-6580-0	11	0	--	490	PENTODE SECTION. HOLD DOWN P1 & PRESS P4.
DAF92	1.5	HT-0180-0	0	14	P1	----	DIODE SECTION. NOTE 1.
DC70	1.1	EV-1800-0	19	83	P4	3400	USE ADAPTER SA-2, 1050-99.
DC90	1.5	DX-5200-0	38	48	--	1000	HOLD DOWN P1 AND PRESS P4.
DCC90	3.0	DX-5600-0	35	73	P4	2000	TRIODE NO. 1.
DCC90	3.0	HT-1200-0	35	73	P4	2000	TRIODE NO. 2.
DCF60	1.1	EX-3120-6	29	0	P5	----	PENTODE SECTION. NOTE 1. OK ABOVE DIODES OK.

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS
							FOR EXPLANATIONS - SEE BACK COVER
DCF60	1.1	EX-5600-3	0	0	P1	----	TRIODE SECT. NOTE 1. OK ABOVE 500 ON 3000 SCALE
DD6	6.3	JR-0703-0	0	78	P1	----	DIODE NO. 1. NOTE 1.
DD6	6.3	JR-0205-0	0	78	P1	----	DIODE NO. 2. NOTE 1.
DDR7	6.3	JR-3572-0	23	80	P4	2600	
DF33	1.5	JR-0340-0	11	31	P4	750	
DF60	1.1	DV-4120-0	12	31	--	750	HOLD DOWN P1 AND PRESS P4.
DF61	1.5	DV-0204-1	0	0	P1	----	OK ABOVE 500 ON 3000 SCALE. MAKE NO GAS TEST. NOTE 1.
DF62	1.1	DV-4120-0	17	62	--	1400	HOLD DOWN P1 & PRESS P4.
DF67	0.6	DV-4210-0	13	0	P1	----	OK ABOVE 200 ON 3000 SCALE.
DF91	1.5	DX-6210-0	0	21	--	650	HOLD DOWN P1 & PRESS P4.
DF92	1.5	HT-6210-0	10	49	P4	1025	
DF96	1.5	HT-6210-0	22	10	P4	475	
DF904	1.5	DX-6210-0	14	31	P4	750	
DH63	6.3	JR-0307-2	14	38	P4	800	TRIODE. CAP = G.
DH63	6.3	JR-0507-3	0	23	P1	----	DIODE NO. 1. NOTE 1.
DH63	6.3	JR-0407-3	0	23	P1	----	DIODE NO. 2. NOTE 1.
DH77	6.3	JR-3702-0	10	51	P4	1075	TRIODE SECTION.
DH77	6.3	JR-0602-0	0	19	P1	----	DIODE NO. 1. NOTE 1.
DH77	6.3	JR-0502-0	0	19	P1	----	DIODE NO. 2. NOTE 1.
DK32	1.5	JR-0346-5	0	42	--	900	PENTODE SECTION. CAP=G. HOLD DOWN P1, & PRESS P
DK32	1.5	JR-5643-0	32	73	--	450	OSC. SECTION. HOLD DOWN P1 & PRESS P4. O.K. ABOVE 275
DK91	1.5	DX-8106-2	60	32	P4	775	
DL33	2.5	JR-5340-0	35	56	P4	1200	
DL35	1.5	JR-5340-0	35	62	P4	1400	
DL36	1.5	JR-5340-0	35	56	P4	1200	
DL63	6.3	JR-0307-2	20	72	P4	1900	TRIODE SECTION. CAP = G.
DL63	6.3	JR-0507-3	0	18	P1	----	DIODE NO. 1. NOTE 1.
DL63	6.3	JR-0407-3	0	18	P1	----	DIODE NO. 2. NOTE 1.
DL66	1.1	DV-4120-0	26	0	--	----	OK ABOVE 800 ON 3000 SCALE. USE ADAPTER SA-2, 1050-99. HOLD DOWN P1 & PRESS P5.
DL67	1.1	DV-4210-0	9	0	P1	----	OK ABOVE 500 ON 3000 SCALE. USE ADAPTER SA-2, 1050-99.
DL91	1.5	DX-1280-0	25	65	--	1500	HOLD DOWN P1 & PRESS P4.
DL92	2.5	HT-1280-0	18	64	--	1500	HOLD DOWN P1 & PRESS P4.
DL93	2.5	DX-8210-0	35	66	P4	1600	
DL94	3.0	DX-6210-0	22	43	--	900	HOLD DOWN P1 & PRESS P4.
DL95	3.0	HT-1280-0	15	75	P4	2150	
DL96	2.5	DX-6210-0	41	56	P4	1200	
DL98	2.5	JV-1730-0	50	69	P4	1700	SHORT ON 3.
DM70	1.5	EV-1800-0	--	--	P5	----	ADJUST BIAS TO VARY BAR LENGTH. DO NOT ADJUST BIAS BELOW 30.
DM71	1.5	EV-1800-0	--	--	P5	----	ADJUST BIAS TO VARY BAR LENGTH. DO NOT ADJUST BIAS BELOW 30.
DP61	6.3	JR-3562-0	20	65	P4	1500	
DX263	2.0	CU-6030-0	25	83	P4	3800	PLATE NO. 1. USE ADAPTER SA-6, 1050-107. NOTE 4#1-,4+. CONNECT THE PLATE JACK CONNECTOR TO CAP PIN OVER PIN 3 OF OCTAL SOCKET.
DX263	2.0	CU-1030-0	25	83	P4	3800	PLATE NO. 2. NOTE 4#6-,2+. CONNECT THE PLATE JACK CONNECTOR TO CAP PIN OVER PIN 6 OF OCTAL SOCKET.
DX296	12.6	FZ-1672-0	33	87	P4	4000	TETRODE NO. 1. USE ADAPTER SA-8, 1050-168. NOTE 4# 3-, 1+.
DX296	12.6	FZ-3872-0	33	87	P4	4000	TETRODE NO. 2. NOTE 4# 2-, 1+.
DY30	1.1	JR-0000-0	0	80	P5	----	CAP = P. OK ABOVE DIODES OK. NOTE 1.
DY51	1.5	CX-0000-0	0	85	P5	----	CONNECT FIL. LEADS TO OCTAL SOCKET PINS 1 & 8. SINGLE LEAD = P. NOTE 1. OK ABOVE DIODES OK.
DY80	1.1	BS-0000-0	0	80	P5	----	CAP = P. NOTE 1. OK ABOVE DIODES OK.
DY86	1.5	ES-0000-0	0	84	P5	----	CAP = P. NOTE 1.
DY87	1.5	ES-0000-0	0	84	P5	----	CAP = P. NOTE 1.
DY802	1.5	BS-0000-0	0	83	P5	----	CAP=P. OK ABOVE DIODES OK. NOTE 1
E55L	6.3	EV-8139-0	20	91	P4	7500	USE ADAPTER SA-8, 1050-168.
E80CC	12.6	EV-7608-0	12	80	P4	2700	TRIODE NO. 1.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS	FNG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
E80CC	12.6	EV-2103-0	12	80	P4	2700	TRIODE NO. 2. PENTODE SECTION. TRIODE SECTION.
E80CF	6.3	EV-2637-1	7	83	P4	2950	
E80CF	6.3	EV-9108-6	26	83	P4	3100	
E80F	6.3	EV-9613-8	11	71	P4	1850	
E80L	6.3	EV-2783-9	15	89	P4	2500	
E81CC	12.6	EV-7608-0	13	83	P4	3250	TRIODE NO. 1.
E81CC	12.6	EV-2103-0	13	83	P4	3250	TRIODE NO. 2.
E81L	6.3	EV-2783-9	15	83	P4	3100	
E82CC	12.6	EV-7608-0	17	75	P4	2200	TRIODE NO. 1.
E82CC	12.6	EV-2103-0	17	75	P4	2200	TRIODE NO. 2.
E83CC	12.6	EV-7608-0	7	60	P4	1250	TRIODE NO. 1.
E83CC	12.6	EV-2103-0	7	60	P4	1250	TRIODE NO. 2.
E83F	6.3	EV-2613-9	14	88	P4	4200	
E84L	6.3	EV-2793-0	15	91	P4	5350	
E86C	6.3	EV-2103-0	18	90	P4	5400	
E88C	6.3	EV-9802-0	11	84	P4	3500	
E88CC	6.3	EV-7608-0	23	92	P4	6500	TRIODE NO. 1.
E88CC	6.3	EV-2103-0	23	92	P4	6500	TRIODE NO. 2.
E90CC	6.3	JR-5207-0	29	79	P4	2600	TRIODE NO. 1.
E90CC	6.3	JR-6307-0	29	79	P4	2600	TRIODE NO. 2.
E90F	6.3	JR-3562-7	12	64	P4	1500	
E91AA	6.3	JR-0703-6	0	77	P1	----	DIODE NO. 1. NOTE 1.
E91AA	6.3	JR-0205-6	0	77	P1	----	DIODE NO. 2. NOTE 1.
E91H	6.3	JR-7562-3	0	53	--	1100	AMPLIFIER SECTION. HOLD DOWN P1 & PRESS P4.
E91H	6.3	JR-3562-7	0	50	P4	1050	OSCILLATOR SECTION.
E91N	6.3	JR-3602-5	--	93	P5	----	STRIKES AT ABOUT 26. NOTES 1 & 2.
F92CC	6.3	JR-6307-0	15	88	P4	4800	TRIODE NO. 1.
F92CC	6.3	JR-5207-0	15	88	P4	4800	TRIODE NO. 2.
E95F	6.3	JR-3562-0	20	65	P4	1500	
E99F	6.3	JR-3562-7	0	75	P4	2100	
E130L	6.3	JR-5047-0	54	89	P4	5000	CAP * P.
E180CC	12.6	EV-7608-0	20	83	P4	3200	TRIODE NO. 1.
E180CC	12.6	EV-2103-0	20	83	P4	3200	TRIODE NO. 2.
E180F	6.3	EV-2791-8	10	87	P4	4300	
E182CC	12.6	EV-7906-0	27	93	P4	0000	TRIODE NO. 1.
E182CC	12.6	EV-2103-0	27	93	P4	0000	TRIODE NO. 2.
E182F	6.3	DZ-1684-0	10	86	P4	3850	
E186F	6.3	EV-2791-8	10	87	P4	4300	
E188CC	6.3	EV-7608-0	23	92	P4	6500	TRIODE NO. 1.
E188CC	6.3	EV-2103-0	23	92	P4	6500	TRIODE NO. 2.
E810F	6.3	EV-2793-8	15	89	P4	5400	
E235L	6.3	JR-5347-0	54	89	P4	5000	
E283CC	6.3	EV-9801-7	15	30	P4	500	TRIODE NO. 1.
E283CC	6.3	EV-2306-7	15	30	P4	500	TRIODE NO. 2.
E288CC	6.3	EV-7608-0	17	93	P4	2500	TRIODE NO. 1.
E288CC	6.3	EV-2103-0	17	93	P4	2500	TRIODE NO. 2.
E2134	6.3	JR-3572-0	21	88	P4	5000	
EA76	6.3	CU-0103-0	0	80	P1	----	NOTE 1.
EAA91	6.3	JR-0703-6	0	77	P1	----	DIODE NO. 1. NOTE 1.
EAA91	6.3	JR-0205-6	0	77	P1	----	DIODE NO. 2. NOTE 1.
EAA901	6.3	JR-0703-0	0	78	P1	----	DIODE NO. 1. NOTE 1.
EAA901	6.3	JR-0205-0	0	78	P1	----	DIODE NO. 2. NOTE 1.
EAA901S	6.3	JR-0703-0	0	78	P1	----	DIODE NO. 1. NOTE 1.
EAA901S	6.3	JR-0205-0	0	78	P1	----	DIODE NO. 2. NOTE 1.
EABC80	6.3	EV-8907-0	8	57	P4	1200	TRIODE SECTION.
EABC80	6.3	EV-0607-0	0	26	P1	----	DIODE NO. 1. NOTE 1.
EABC80	6.3	EV-0203-0	0	76	P1	----	DIODE NO. 2. NOTE 1.
EABC80	6.3	EV-0107-0	0	76	P1	----	DIODE NO. 3. NOTE 1.
EA42	6.3	HS-6158-4	9	70	P4	1800	PENTODE SECTION. USE ADAPTER SA-5, 1050-129.
EA42	6.3	HS-0308-0	0	58	P1	----	DIODE SECTION. USE ADAPTER SA-5, 1050-129. NOTE 1.
EAM86	6.3	EV-8709-3	--	--	P4	----	SHORT OCTAL TEST SOCKET PINS 1 & 6 AND CONNECT 100 OHM, 1/2 WATT RESISTOR BETWEEN PLATE JACK AND PIN 1. VARY BIAS TO VARY PATTERN. SHORT ON POSITION 5.

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS
EAM86	6.3	EV-0203-0	0	25	P1	----	DIODE. NOTE 1.
EB41	6.3	HS-0608-0	0	77	P1	----	DIODE NO. 1. NOTE 1.
EB41	6.3	HS-0403-0	0	77	P1	----	DIODE NO. 2. NOTE 1.
EB91	6.3	JR-0703-6	0	77	P1	----	DIODE NO. 1. NOTE 1.
EB91	6.3	JR-0205-6	0	77	P1	----	DIODE NO. 2. NOTE 1.
EBC33	6.3	JR-0307-2	20	72	P4	1900	TRIODE SECTION. CAP = G.
EBC33	6.3	JR-0507-3	0	18	P1	----	DIODE NO. 1. NOTE 1.
EBC33	6.3	JR-0407-3	0	18	P1	----	DIODE NO. 2. NOTE 1.
EBC41	6.3	HS-3108-0	15	48	P4	1000	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
EBC41	6.3	HS-0608-0	0	22	P1	----	DIODE NO. 1. USE ADAPTER SA-5, 1050-129. NOTE 1
EBC41	6.3	HS-0508-0	0	22	P1	----	DIODE NO. 2. USE ADAPTER SA-5, 1050-129. NOTE 1
EBC81	6.3	EV-2103-0	15	48	P4	1000	TRIODE SECTION.
EBC81	6.3	EV-0603-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
EBC81	6.3	EV-0803-0	0	22	P1	----	DIODE NO. 2. NOTE 1.
EBC90	6.3	JR-3702-0	10	60	P4	1100	TRIODE SECTION.
EBC90	6.3	JR-3602-0	0	26	P1	----	DIODE NO. 1. NOTE 1.
EBC90	6.3	JR-3502-0	0	26	P1	----	DIODE NO. 2. NOTE 1.
EBC91	6.3	JR-3702-0	7	60	P4	1250	TRIODE SECTION.
EBC91	6.3	JR-0602-0	0	26	P1	----	DIODE NO. 1. NOTE 1.
EBC91	6.3	JR-0502-0	0	26	P1	----	DIODE NO. 2. NOTE 1.
EBF32	6.3	JR-0367-2	12	53	P4	1150	PENTODE SECTION. CAP = G.
EBF32	6.3	JR-0567-2	24	0	P1	----	DIODE NO. 1. NOTE 1.
EBF32	6.3	JR-0467-2	24	0	P1	----	DIODE NO. 2. NOTE 1.
EBF80	6.3	EV-2613-9	5	73	P4	2200	PENTODE SECTION.
EBF80	6.3	EV-0703-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
EBF80	6.3	EV-0803-0	0	22	P1	----	DIODE NO. 2. NOTE 1.
EBF83	6.3	EV-2163-9	0	42	P4	3600	PENTODE SECTION.
EBF83	6.3	EV-0803-0	0	42	P1	----	DIODE NO. 1. NOTE 1.
EBF83	6.3	EV-0703-0	0	42	P1	----	DIODE NO. 2. NOTE 1.
EBF89	6.3	EV-2613-9	6	81	P4	2900	PENTODE SECTION.
EBF89	6.3	EV-0803-0	0	42	P1	----	DIODE NO. 1. NOTE 1.
EBF89	6.3	EV-0703-0	0	42	P1	----	DIODE NO. 2. NOTE 1.
EC71	6.3	DW-1805-7	23	89	P4	5500	
EC80	6.3	EV-1903-0	12	88	P4	4200	
EC81	6.3	EV-1803-0	22	87	P4	4000	
EC84	6.3	JX-1502-0	21	91	P4	7000	
EC86	6.3	EV-2103-0	18	90	P4	5400	
EC88	6.3	EV-9802-0	11	84	P4	3500	
EC90	6.3	JR-6307-0	23	75	P4	2200	
EC91	6.3	JR-3702-0	11	86	P4	3700	
EC92	6.3	JR-6307-0	13	83	P4	3250	
EC94	6.3	JR-2305-0	38	87	P4	5600	
EC95	6.3	JR-2567-0	10	89	P4	5200	
EC97	6.3	JR-2503-6	16	90	P4	6000	
EC806S	6.3	EV-2103-0	18	90	P4	5400	
EC900	6.3	JR-3507-6	19	90	P4	5200	
EC8010	6.3	EV-1802-0	17	93	P4	10000	
ECC33	6.3	JX-4506-0	8	84	P4	3300	TRIODE NO. 1.
ECC33	6.3	JX-2103-0	8	84	P4	3300	TRIODE NO. 2.
ECC35	6.3	JX-4506-1	7	58	P4	1250	TRIODE NO. 1.
ECC35	6.3	JX-2103-5	7	58	P4	1250	TRIODE NO. 2.
ECC40	6.3	HS-6508-0	17	82	P4	2900	TRIODE NO. 1. USE ADAPTER SA-5, 1050-129.
ECC40	6.3	HS-3104-0	17	82	P4	2900	TRIODE NO. 2. USE ADAPTER SA-5, 1050-129.
ECC81	12.6	EV-7608-0	13	83	P4	3250	TRIODE NO. 1.
ECC81	12.6	EV-2103-0	13	83	P4	3250	TRIODE NO. 2.
ECC82	12.6	EV-7608-0	17	75	P4	2200	TRIODE NO. 1.
FCC82	12.6	EV-2103-0	17	75	P4	2200	TRIODE NO. 2.
ECC83	12.6	EV-7608-0	7	60	P4	1250	TRIODE NO. 1.
ECC83	12.6	EV-2103-0	7	60	P4	1250	TRIODE NO. 2.
ECC84	6.3	EV-6907-0	22	90	P4	5750	TRIODE NO. 1.
ECC84	6.3	EV-2103-0	22	90	P4	5750	TRIODE NO. 2.
FCC85	6.3	EV-7608-0	21	64	P4	1450	TRIODE NO. 1.
ECC85	6.3	EV-2103-0	21	64	P4	1450	TRIODE NO. 2.

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
ECC86	6.3	EV-7608-0	17	70	P1	----	TRIODE NO. 1. (SEE BELOW).
ECC86	6.3	EV-2103-0	17	70	P1	----	TRIODE NO. 2. OK ABOVE DIDDERS OK. MAKE NO GAS TEST.
ECC88	6.3	EV-7608-0	16	93	P4	9250	TRIODE NO. 1.
ECC88	6.3	EV-2103-0	16	93	P4	9250	TRIODE NO. 2.
ECC89	6.3	EV-6908-0	23	89	P4	5400	TRIODE NO. 1.
ECC89	6.3	EV-2301-0	23	89	P4	5400	TRIODE NO. 2.
ECC91	6.3	JR-5207-0	17	83	P4	3000	TRIODE NO. 1.
ECC91	6.3	JR-6307-0	17	83	P4	3000	TRIODE NO. 2.
ECC180	6.3	EV-7608-9	24	83	P4	3200	TRIODE NO. 1.
ECC180	6.3	EV-2103-9	24	83	P4	3200	TRIODE NO. 2.
ECC186	12.6	EV-7608-0	17	75	P4	2200	TRIODE NO. 1.
ECC186	12.6	EV-2103-0	17	75	P4	2200	TRIODE NO. 2.
ECC189	6.3	EV-7608-0	17	93	P4	8750	TRIODE NO. 1.
ECC189	6.3	EV-2103-0	17	93	P4	8750	TRIODE NO. 2.
ECC230	6.3	JX-4506-1	0	44	P3	----	TRIODE NO. 1. NOTE 1.
ECC230	6.3	JX-2103-5	0	44	P3	----	TRIODE NO. 2. NOTE 1.
ECC801	12.6	EV-7608-0	10	85	P4	4000	TRIODE NO. 1.
ECC801	12.6	EV-2103-0	10	85	P4	4000	TRIODE NO. 2.
ECC801S	12.6	EV-7608-0	13	83	P4	2250	TRIODE NO. 1.
ECC801S	12.6	EV-2103-0	13	83	P4	2250	TRIODE NO. 2.
ECC802	12.6	EV-7608-0	24	75	P4	2200	TRIODE NO. 1.
ECC802	12.6	EV-2103-0	24	75	P4	2200	TRIODE NO. 2.
ECC802S	12.6	EV-7608-0	17	75	P4	2200	TRIODE NO. 1.
ECC802S	12.6	EV-2103-0	17	75	P4	2200	TRIODE NO. 2.
ECC803	12.6	EV-7608-0	7	60	P4	1250	TRIODE NO. 1.
ECC803	12.6	EV-2103-0	7	60	P4	1250	TRIODE NO. 2.
ECC803S	12.6	EV-7608-0	7	60	P4	1250	TRIODE NO. 1.
ECC803S	12.6	EV-2103-0	7	60	P4	1250	TRIODE NO. 2.
ECC960	6.3	JR-5207-0	29	79	P4	2600	TRIODE NO. 1.
ECC960	6.3	JR-6307-0	29	79	P4	2600	TRIODE NO. 2.
ECC962	6.3	JR-6307-0	15	88	P4	4800	TRIODE NO. 1.
ECC962	6.3	JR-5207-0	15	88	P4	4800	TRIODE NO. 2.
ECC2000	6.3	FW-8709-1	26	86	P4	4000	TRIODE NO. 1. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
ECC2000	6.3	FW-3A02-1	26	86	P4	4000	TRIODE NO. 2.
ECF80	6.3	EV-2637-1	7	83	P4	2950	PENTODE SECTION.
ECF80	6.3	EV-9108-6	26	83	P4	3100	TRIODE SECTION.
ECF82	6.3	EV-2637-0	7	75	P4	2200	PENTODE SECTION.
ECF82	6.3	EV-9108-0	12	88	P4	5000	TRIODE SECTION.
ECF83	6.3	EV-9687-0	11	64	--	1500	PENTODE SECTION. HOLD DOWN P1 & PRESS P4.
ECF83	6.3	EV-2301-0	56	65	P4	1400	TRIODE SECTION.
ECF86	6.3	EV-2893-0	9	73	P4	2000	PENTODE SECTION.
ECF86	6.3	EV-6703-0	28	85	P4	3200	TRIODE SECTION.
ECF200	6.3	FW-3782-4	10	84	P4	3600	PENTODE SECTION. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
ECF200	6.3	FW-A901-0	12	81	P4	3000	TRIODE SECTION.
ECF201	6.3	FW-3782-4	10	83	P4	3300	PENTODE SECTION. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
ECF201	6.3	FW-A901-0	29	81	P4	3000	TRIODE SECTION.
ECF801	6.3	EV-2671-0	10	84	P4	3200	PENTODE SECTION.
ECF801	6.3	EV-9803-0	28	90	P4	4800	TRIODE SECTION.
ECF802	6.3	EV-2637-0	16	75	P4	2100	PENTODE SECTION.
ECF802	6.3	EV-9108-0	18	61	P4	1350	TRIODE SECTION.
ECF804	6.3	EV-2637-0	14	82	P4	2800	PENTODE SECTION.
ECF804	6.3	EV-9108-0	17	89	P4	5400	TRIODE SECTION.
ECF805	6.3	EV-7328-0	13	84	P4	3500	PENTODE SECTION.
ECF805	6.3	EV-9108-0	30	83	P4	3400	TRIODE SECTION.
ECH35	6.3	JR-0347-5	10	62	P4	1400	HEXODE SECTION. CAP = G.
ECH35	6.3	JR-5607-4	10	83	P4	3200	TRIODE SECTION.
ECH42	6.3	HS-6158-4	14	60	P4	1300	HEXODE SECTION. USE ADAPTER SA-5, 1050-129.
ECH42	6.3	HS-4308-6	24	66	P4	1500	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
ECH81	6.3	EV-2613-7	13	59	P4	1300	HEPTODE SECTION.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
ECH81	6.3	EV-9803-2	21	79	P4	2750	TRIODE SECTION.
ECH83	6.3	EV-7163-2	19	0	P1	----	HEPTODE. MAKE NO GAS TEST. NOTE 1.
ECH83	6.3	EV-9803-0	10	37	P1	----	TRIODE. MAKE NO GAS TEST. NOTE 1.
ECH84	6.3	EV-2673-1	7	50	--	1100	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4.
ECH84	6.3	FV-9803-0	13	73	P4	2000	TRIODE SECTION.
ECH200	6.3	FW-3741-2	7	53	--	1100	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
ECH200	6.3	FW-8A09-0	22	81	P4	3000	TRIODE SECTION.
ECL80	6.3	EV-9683-7	14	83	P4	3300	PENTODE SECTION.
ECL80	6.3	EV-2103-0	33	61	P4	1350	TRIODE SECTION.
ECL82	6.3	EV-3672-0	19	88	P4	4300	PENTODE SECTION.
ECL82	6.3	EV-1908-0	6	73	P4	2050	TRIODE SECTION.
ECL83	6.3	EV-9607-0	18	81	P4	3000	PENTODE SECTION.
ECL83	6.3	EV-2103-0	20	15	P4	600	TRIODE SECTION.
ECL84	6.3	EV-8697-0	10	90	P4	5500	PENTODE SECTION.
ECL84	6.3	EV-1203-0	10	87	P4	4000	TRIODE SECTION.
ECL85	6.3	EV-9678-0	26	91	P4	7000	PENTODE SECTION.
ECL85	6.3	EV-2103-0	20	78	P4	2300	TRIODE SECTION.
ECL86	6.3	EV-8637-0	10	87	P4	4750	PENTODE SECTION.
ECL86	6.3	EV-1902-0	10	42	P4	900	TRIODE SECTION.
ECLL800	6.3	EV-2397-0	10	86	P4	4300	PENTODE NO. 1. NOTE 4# 6-, 8+.
ECLL800	6.3	EV-6897-0	10	86	P4	4300	PENTODE NO. 2. NOTE 4# 1-, 8+.
ECLL800	6.3	EV-2107-0	50	0	P4	----	TRIODE SECTION. OK ABOVE 250 ON 3000 SCALE.
ED500	6.3	EV-0801-0	0	60	P1	----	CAP = G. NOTE 1. USE ADAPTER SA-8, 1050-168.
EF22	6.3	JR-6237-4	117	69	P4	1700	
EF40	6.3	HS-5168-4	10	68	P4	1700	USE ADAPTER SA-5, 1050-129.
EF41	6.3	HS-6158-0	19	65	P4	1500	USE ADAPTER SA-5, 1050-129.
EF42	6.3	HS-6158-4	10	81	P4	2600	USE ADAPTER SA-5, 1050-129.
EF71	6.3	DW-1574-0	15	73	P4	2000	USE ADAPTER SA-2, 1050-99.
EF80	6.3	EV-2781-9	6	86	P4	3700	
EF85	6.3	EV-2781-9	17	80	P4	2550	
EF86	6.3	EV-9613-8	11	65	P4	1500	
EF89	6.3	EV-2783-9	8	78	P4	2500	
EF91	6.3	JR-3572-6	15	73	P4	2000	
EF92	6.3	JR-3572-6	11	65	P4	1500	
EF93	6.3	EV-2783-9	0	79	P4	2600	
EF94	6.3	JR-3567-2	11	70	P4	1800	
EF95	6.3	JR-3562-0	20	65	P4	1500	
EF96	6.3	JR-3562-0	0	74	P4	3400	
EF97	6.3	JR-7652-3	0	64	P1	----	MAKE NO GAS TEST. NOTE 1.
EF98	6.3	JR-3652-7	0	71	P1	----	NOTE 1.
EF183	6.3	EV-2781-9	16	88	P4	2500	
EF184	6.3	EV-2781-9	10	84	P4	3400	
EF731	6.3	DW-1574-0	15	73	P4	2000	USE ADAPTER SA-2, 1050-99.
EF732	6.3	DW-1574-0	14	70	P4	2500	USE ADAPTER SA-2, 1050-99.
EF800	6.3	EV-2781-9	6	86	P4	3700	
EF804	6.3	FV-9783-1	11	65	P4	1500	
EF804S	6.3	EV-9783-1	11	65	P4	1500	
EF805S	6.3	EV-2781-9	17	80	P4	2550	
EF806S	6.3	EV-9613-8	11	65	P4	1500	
EF861	6.3	EV-2791-8	10	87	P4	4300	
EF905	6.3	JR-3562-0	20	65	P4	1500	
EFL200	6.3	FW-8A97-0	13	88	P4	5000	PENTODE NO. 1. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
FFL200	6.3	FW-1432-0	13	83	P4	3300	PENTODE NO. 2.
EH90	6.3	JR-3562-7	0	0	--	425	GRID NO. 1. HOLD DOWN P1 & PRESS P4.
EH90	6.3	JR-7562-3	0	15	--	600	GRID NO. 2. HOLD DOWN P1 & PRESS P4.
EH900S	6.3	JR-7562-3	0	60	--	1300	AMPL. SECTION. HOLD DOWN P1 & PRESS P4
EH900S	6.3	JR-3562-7	0	60	P4	1300	OSC. SECTION.
EK90	6.3	JR-7562-3	0	14	--	600	AMPL. SECTION. HOLD DOWN P1 & PRESS P4.
EK90	6.3	JR-3562-7	20	87	P4	4400	OSC. SECTION.
EL33	6.3	JR-5347-0	10	88	P4	5000	

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
EL34	6.3	JR-5347-2	21	91	P4	6000	CAP = P.
EL36	6.3	JR-5047-0	50	89	P4	4700	
EL37	6.3	JR-5347-2	18	89	P4	5000	CAP = P. USE ADAPTER SA-5, 1050-129. USE ADAPTER SA-5, 1050-129.
EL38	6.3	JR-5047-0	0	93	P4	8500	
EL41	6.3	HS-6158-0	19	89	P4	4750	
EL42	6.3	HS-6158-0	14	82	P4	3200	
EL80	6.3	EV-2713-0	19	89	P4	4750	
EL81	6.3	EV-2073-1	47	89	P4	4600	CAP = P.
EL83	6.3	EV-2713-6	0	90	P4	5000	CAP = P.
EL84	6.3	EV-2713-0	15	91	P4	5350	
EL85	6.3	EV-2793-6	14	82	P4	3200	
EL86	6.3	EV-2793-0	38	91	P4	6700	
EL90	6.3	JR-3562-0	13	87	P4	4100	
EL91	6.3	JR-3572-0	23	80	P4	2600	
EL95	6.3	JR-3562-0	8	84	P4	3600	CAP = P. USE ADAPTER SA-8, 1050-168.
EL180	12.6	EV-2781-3	0	90	P4	6500	
EL360	6.3	JR-5047-0	50	89	P4	4700	
EL500	6.3	EV-2078-0	63	88	P4	4500	
EL503	6.3	EV-3986-0	30	93	P4	8000	USE ADAPTER SA-8, 1050-168.
EL505	6.3	EV-1039-2	76	88	P4	5000	CAP = P. USE ADAPTER SA-8, 1050-168.
EL508	6.3	EV-1637-0	45	87	P4	4200	USE ADAPTER SA-8, 1050-168.
EL509	6.3	EV-1039-2	76	88	P4	5000	CAP=P. USE ADAPTER SA-8, 1050-168.
EL803	6.3	EV-2713-6	0	90	P4	5000	PENTODE NO. 1.
EL821	6.3	EV-2783-9	0	92	P4	6700	
EL822	6.3	EV-2783-9	0	92	P4	6700	
ELL80	6.3	EV-2317-0	10	86	P4	4300	
ELL80	6.3	EV-6897-0	10	86	P4	4300	
EM34	6.3	JR-4507-0	--	100	P5	----	CONNECT A 1 MEG. RESISTOR FROM PLATE JACK TO PI 3 OF LARGE 7 PIN SOCKET. CONNECT A SECOND 1 MEG RESISTOR FROM PLATE JACK TO PIN 6 OF LARGE 7 PI SOCKET. SET MICROMHOS SWITCH ON ENGLISH POSITIO EYE ONE CLOSED AT BIAS OF ABOUT 30. EYE TWO CLOSED AT BIAS OF ABOUT 55.
EM80	6.3	EV-1902-0	--	100	P5	----	CONNECT A 1 MEG. RESISTOR FROM PLATE JACK TO OCTAL TEST SOCKET PIN NO. 8. VARY BIAS TO VARY BEAM ANGLE.
EM81	6.3	EV-1902-0	--	100	P5	----	CONNECT A 1 MEG. RESISTOR FROM PLATE JACK TO OCTAL TEST SOCKET PIN NO. 8. VARY BIAS TO VARY BEAM ANGLE.
EM84	6.3	EV-1603-0	45	--	P4	----	SOLID BAR. (SEE BELOW).
EM84	6.3	EV-1603-0	0	--	P4	----	SPLIT BAR. JUMPER NOVAL SOCKET PINS 7 & 9. CONNECT A 470K OHM, 1/2 WATT, 10% RESISTOR FROM THIS JUMPER TO PIN 6 FOR BOTH TESTS.
EM87	6.3	EV-1603-0	26	--	P4	----	SOLID BAR. (SEE BELOW).
EM87	6.3	EV-1603-0	0	--	P4	----	SPLIT BAR. JUMPER NOVAL SOCKET PINS 7 & 9. CONNECT A 100K OHM, 1/2 WATT, 10% RESISTOR FROM THIS JUMPER TO PIN 6.
EMM801	6.3	EV-9203-1	45	0	P4	----	SOLID BAR. (SEE BELOW).
EMM801	6.3	EV-9203-1	20	0	P4	----	SPLIT BAR. CONNECT 390K OHM, 1/2 WATT 10% RESISTOR BETWEEN PINS 2 & 8 OF LOCTAL SOCKET.
EMM801	6.3	EV-7203-1	45	0	P4	----	SOLID BAR. (SEE BELOW).
EMM801	6.3	EV-7203-1	20	0	P4	----	SPLIT BAR. CONNECT 390K OHM, 1/2 WATT 10% RESISTOR BETWEEN PINS 2 & 8 OF LOCTAL SOCKET.
EMM803	6.3	EV-3601-0	45	0	P4	----	LARGE SOLID BAR. (SEE BELOW).
FMM803	6.3	EV-3601-0	0	0	P4	----	SPLIT BAR. CONNECT 470K OHM, 1/2 WATT 10% RESISTOR FROM PI 6 TO PIN 9 OF NOVAL SOCKET.
EMM803	6.3	EV-2601-0	30	0	P4	----	SMALL SOLID BAR. (SEE BELOW).
EMM803	6.3	EV-2601-0	0	100	P5	----	NO BAR. CONNECT 1 MEG. 1/2 WATT 10% RESISTOR FROM PIN 6 TO PIN 7 OF LOCTAL SOCKET.
EN91	6.3	JR-3602-5	--	96	P5	----	STRIKES AT ABOUT 25. NOTE 1.
EQ80	6.3	EV-7163-9	27	48	P4	100	

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
EY80	6.3	EV-0403-0	0	62	P3	----	NOTE 1.
EY81	6.3	EV-0009-0	0	62	--	----	CAP = P. HOLD DOWN P6 AND PRESS P3. NOTE 1.
EY82	6.3	EV-0903-0	0	85	P1	----	NOTE 1.
EY84	6.3	EV-0003-0	0	54	P3	----	CAP = P. NOTE 1.
EY86	6.3	ES-0000-0	0	84	P5	----	CAP = P. NOTE 1.
EY87	6.3	ES-0000-0	0	84	P5	----	CAP = P. NOTE 1.
EY88	6.3	EV-0009-0	0	68	--	----	CAP = P. HOLD DOWN P6 AND PRESS P3. DISREGARD SHORTS TEST.
EY91	6.3	JR-0302-0	0	24	P3	----	
EY500	OFF	EV-0007-0	--	--	--	----	SHORT TEST ONLY.
EY500	6.3	EV-0007-0	0	80	--	----	CAP = P. HOLD DOWN P6 & PRESS P3. USE ADAPTER SA-8, 1050-168.
EZ2	6.3	JR-0507-2	0	33	P3	----	PLATE NO. 1 NOTE 1.
EZ2	6.3	JR-0307-2	0	33	P3	----	PLATE NO. 2 NOTE 1.
EZ35	6.3	JR-0507-2	0	37	P3	----	PLATE NO. 1. NOTE 1.
EZ35	6.3	JR-0307-2	0	37	P3	----	PLATE NO. 2. NOTE 1.
EZ40	6.3	HS-0108-0	0	28	P3	----	DIODE NO. 1. NOTE 1. USE ADAPTER SA-5, 1050-129
EZ40	6.3	HS-0608-0	0	28	P3	----	DIODE NO. 2. USE ADAPTER SA-5, 1050-129. NOTE 1
EZ80	6.3	EV-0703-1	0	30	P3	----	PLATE NO. 1. NOTE 1.
EZ80	6.3	EV-0103-7	0	30	P3	----	PLATE NO. 2. NOTE 1.
EZ81	6.3	EV-0703-0	0	52	P3	----	PLATE NO. 1. NOTE 1.
EZ81	6.3	EV-0103-0	0	52	P3	----	PLATE NO. 2. NOTE 1.
EZ90	6.3	JR-0607-3	0	24	P3	----	PLATE NO. 1. NOTE 1.
EZ90	6.3	JR-0307-6	0	24	P3	----	PLATE NO. 2. NOTE 1.
GY501	3.0	JR-0000-0	0	90	P5	----	CAP = P. NOTE 1. OK ABOVE DIODES OK. USE ADAPTER SA-8, 1050-168.
GZ30	5.0	HR-0600-0	0	75	P3	----	PLATE NO. 1. NOTE 1.
GZ30	5.0	HR-0400-0	0	75	P3	----	PLATE NO. 2. NOTE 1.
GZ32	5.0	HR-0600-0	0	64	P3	----	PLATE NO. 1. NOTE 1.
GZ32	5.0	HR-0400-0	0	64	P3	----	PLATE NO. 2. NOTE 1.
GZ33	5.0	HR-0600-0	0	70	P3	----	PLATE NO. 1. NOTE 1.
GZ33	5.0	HR-0400-0	0	70	P3	----	PLATE NO. 2. NOTE 1.
GZ34	5.0	HR-0600-0	0	63	P3	----	PLATE NO. 1. NOTE 1.
GZ34	5.0	HR-0400-0	0	63	P3	----	PLATE NO. 2. NOTE 1.
H63	6.3	JR-0407-2	7	49	P4	1000	CAP = G.
H-1112	2.0	13-4028-0	14	82	P4	3000	
H-1112	2.0	DS-4017-0	14	82	P4	3000	USE ADAPTER SA-3, 1050-127 OR NOTE 3.
H-1208	6.3	13-4208-0	25	85	P4	4000	
H-1208	6.3	DS-4107-0	25	85	P4	4000	USE ADAPTER SA-3, 1050-127 OR NOTE 3.
HAA91	12.6	JR-0703-0	0	78	P1	----	DIODE NO. 1. NOTE 1.
HAA91	12.6	JR-0205-0	0	78	P1	----	DIODE NO. 2. NOTE 1.
HABC80	20.0	EV-8907-0	8	57	P4	1200	TRIODE SECTION.
HABC80	20.0	EV-0607-0	0	76	P1	----	DIODE NO. 1. NOTE 1.
HABC80	20.0	EV-0203-0	0	76	P1	----	DIODE NO. 2. NOTE 1.
HABC80	20.0	EV-0107-0	0	76	P1	----	DIODE NO. 3. NOTE 1.
HBC90	12.6	JR-3702-0	10	60	P4	1100	TRIODE SECTION.
HBC90	12.6	JR-3602-0	0	26	P1	----	DIODE NO. 1. NOTE 1.
HBC90	12.6	JR-3502-0	0	26	P1	----	DIODE NO. 2. NOTE 1.
HBC91	12.6	JR-3702-0	7	60	P4	1250	TRIODE SECTION.
HBC91	12.6	JR-0602-0	0	26	P1	----	DIODE NO. 1. NOTE 1.
HBC91	12.6	JR-0502-0	0	26	P1	----	DIODE NO. 2. NOTE 1.
HCC85	20.0	EV-7608-0	16	84	P4	3400	TRIODE NO. 1. (SEE BELOW).
HCC85	20.0	EV-2103-0	16	84	P4	3400	TRIODE NO. 2. SET LINE ADJUST TO 1450 ON 3000 SCALE.
HCH81	12.6	EV-2613-7	13	59	P4	1300	HEPTODE SECTION.
HCH81	12.6	EV-9803-2	21	79	P4	2750	TRIODE SECTION.
HCL82	35.0	EV-3672-0	24	87	P4	4300	PENTODE SECTION.
HCL82	35.0	EV-1908-0	11	73	P4	2000	TRIODE SECTION.
HD14	1.5	JR-0300-0	21	--	P4	275	CAP = G. TRIODE SECTION.
HD14	1.5	JR-0500-0	0	35	P1	----	DIODE SECTION. NOTE 1.
HD30	2.5	JV-1730-0	45	69	P4	1700	
HD93	1.1	JR-0000-0	0	80	P5	----	OK ABOVE DIODES OK. CAP = P.
HD94	6.3	JR-5047-0	51	86	P4	4500	CAP = P.

TUBE TYPE	FIL.	SELECTORS	BIAS	FNG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
HD96	25.0	JR-5047-0	51	86	P4	4500	CAP = P. USE ADAPTER SA-5, 1050-129. USE ADAPTER SA-5, 1050-129.
HF61	6.3	HS-6158-0	19	65	P4	1500	
HF62	6.3	HS-6158-4	10	81	P4	2600	
HF93	12.6	JR-3567-2	0	79	P4	2700	
HF94	12.6	JR-3567-2	11	70	P4	1900	
HK90	12.6	JR-7562-3	0	14	--	600	AMPLIFIER SECTION. HOLD DOWN P1 & PRESS P4. OSCILLATOR SECTION.
HK90	12.6	JR-3562-7	20	87	P4	4400	
HL90	20.0	JR-3562-0	13	87	P4	4100	
HL92	50.0	JR-2763-0	8	93	--	7500	HOLD DOWN P1 & PRESS P4.
HL94	35.0	JR-2763-0	38	91	P4	6700	BEFORE PLACING TUBE IN SOCKET, JUMPER A 33 OHM, 2 WATT RESISTOR BETWEEN PINS 9 & 8 OF THE 9 PIN MIN. SOCKET, COUNTING COUNTER CLOCKWISE.
HMD4	6.3	JR-7562-3	0	14	--	600	AMPLIFIER SECTION. HOLD DOWN P1 & PRESS P4. OSCILLATOR SECTION.
HMD4	6.3	JR-3602-7	20	87	P4	4400	
HP6	6.3	JR-3572-6	15	73	P4	2000	
HY90	35.0	JR-0507-0	0	78	P3	----	NOTE 1.
HZ90	12.6	JR-0607-3	0	20	P3	----	PLATE NO. 1. NOTE 1.
HZ90	12.6	JR-0307-6	0	20	P3	----	PLATE NO. 2. NOTE 1.
KT61	6.3	JR-5347-0	10	87	P4	4500	
KT66	6.3	JR-5347-2	13	92	P4	6700	
KT88	6.3	JR-5347-2	18	92	P4	7000	
KT263	6.3	JR-0347-5	7	57	P4	1225	CAP = G.
L63	6.3	JR-5307-0	20	79	P4	2600	
L77	6.3	JR-6307-0	23	75	P4	2200	
LC900	2.5	JR-3502-0	19	90	P4	5200	
LCF80	6.3	EV-2637-1	7	83	P4	2950	PENTODE SECTION.
LCF80	6.3	EV-9108-6	26	83	P4	3100	TRIODE SECTION.
LCF200	6.3	FW-3782-4	10	84	P4	3600	PENTODE SECTION. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
LCF200	6.3	FW-A901-0	12	81	P4	3000	TRIODE SECTION.
LCF201	6.3	FW-3782-4	10	83	P4	3300	PENTODE SECTION. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
LCF201	6.3	FW-A901-0	29	81	P4	3000	TRIODE SECTION.
LCF801	5.0	EV-2671-0	10	84	P4	3200	PENTODE SECTION.
LCF801	5.0	EV-9803-0	28	90	P4	4800	TRIODE SECTION.
LCF802	6.3	EV-2637-0	16	75	P4	2100	PENTODE SECTION.
LCF802	6.3	EV-9108-0	18	61	P4	1350	TRIODE SECTION.
LCH200	5.0	FW-3741-2	7	53	--	1100	HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
LCH200	5.0	FW-8A09-0	22	81	P4	3000	TRIODE SECTION.
LCL80	4.3	EV-9683-7	18	83	P4	3300	PENTODE SECTION
LCL80	4.3	EV-2103-0	27	61	P4	1350	TRIODE SECTION.
LCL82	10.0	EV-3672-0	24	87	P4	4300	PENTODE SECTION.
LCL82	10.0	EV-1908-0	11	73	P4	2000	TRIODE SECTION.
LCL84	10.0	EV-8697-0	10	90	P4	5500	PENTODE SECTION.
LCL84	10.0	EV-1203-0	10	87	P4	4000	TRIODE SECTION.
LCL85	10.0	EV-9678-0	26	91	P4	7000	PENTODE SECTION
LCL85	10.0	EV-2103-0	20	78	P4	2300	TRIODE SECTION
LFL200	10.0	FW-8A97-0	13	88	P4	5000	PENTODE NO. 1. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
LFL200	10.0	FW-1432-0	13	83	P4	3300	PENTODE NO. 2.
LL86	10.0	EV-2793-0	30	91	P4	6700	
LL500	20.0	EV-2078-0	63	88	P4	4500	CAP = P. USE ADAPTER SA-8, 1050-168.
LL505	25.0	EV-1039-2	76	88	P4	5000	CAP = P. USE ADAPTER SA-8, 1050-168.
LL521	20.0	EV-8039-2	65	87	P4	4200	CAP = P. USE ADAPTER SA-8, 1050-168.
LN119	50.0	EV-3672-0	19	88	P4	4300	PENTODE SECTION.
LN119	50.0	EV-1908-0	6	73	P4	2050	TRIODE SECTION.
LN152	6.3	EV-9683-7	14	83	P4	3300	PENTODE SECTION.
LN152	6.3	EV-2103-0	33	61	P4	1350	TRIODE SECTION.
LN309	12.6	EV-9687-0	18	81	P4	3000	PENTODE SECTION.
LN309	12.6	EV-2103-0	20	15	P4	600	TRIODE SECTION.
LY81	10.0	EV-0009-0	0	62	--	----	CAP=P. HOLD DOWN P6 & PRESS P3. NOTE 1.
LY88	20.0	EV-0009-0	0	68	--	----	CAP = P. HOLD DOWN P6 & PRESS P3. DISREGARD SHORTS TEST.

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
LY500	OFF	EV-0007-0	--	--	--	----	SHORTS TEST ONLY.
LY500	25.0	EV-0007-0	0	80	--	----	CAP = P. HOLD DOWN P6 & PRESS P3. USE ADAPTER SA-8, 1050-168.
LZ319	10.0	EV-2637-1	7	83	P4	2950	PENTODE SECTION
LZ319	10.0	EV-9108-6	26	83	P4	3100	TRIODE SECTION
M8079	6.3	JR-0703-6	0	77	P1	----	DIODE NO. 1. NOTE 1.
M8079	6.3	JR-0205-6	0	77	P1	----	DIODE NO. 2. NOTE 1.
M8081	6.3	JR-5207-0	17	83	P4	3000	TRIODE NO. 1.
M8081	6.3	JR-6307-0	17	83	P4	3000	TRIODE NO. 2.
M8083	6.3	JR-3572-6	15	73	P4	3700	
M8100	6.3	JR-3562-0	20	65	P4	1500	
M8136	12.6	EV-7608-0	17	75	P4	2200	TRIODE NO. 1.
M8136	12.6	EV-2103-0	17	75	P4	2200	TRIODE NO. 2.
M8137	12.6	EV-7608-0	7	60	P4	1250	TRIODE NO. 1.
M8137	12.6	EV-2103-0	7	60	P4	1250	TRIODE NO. 2.
M8162	12.6	EV-7608-0	13	83	P4	3250	TRIODE NO. 1.
M8162	12.6	EV-2103-0	13	83	P4	3250	TRIODE NO. 2.
M8195	6.3	EV-9613-8	11	65	P4	1500	
M8196	6.3	JR-3562-7	0	70	P4	1800	
M8212	6.3	JR-0703-0	0	78	P1	----	DIODE NO. 1. NOTE 1.
M8212	6.3	JR-0205-0	0	78	P1	----	DIODE NO. 2. NOTE 1.
N14	2.0	JR-0346-5	10	48	--	1000	PENTODE SECTION. CAP=G HOLD DOWN P1 & PRESS P4.
N14	2.0	JR-5643-0	28	73	--	400	OSC. SECTION. CAP=G. HOLD DOWN P1 & PRESS P4. OK ABOVE 250
N17	2.5	HT-1280-0	18	64	--	1500	HOLD DOWN P1 AND PRESS P4.
N18	3.0	HT-1280-0	15	75	P4	2150	
N19	3.0	DX-6210-0	29	68	P4	1650	
N22LL	20.0	EV-7963-2	68	88	P4	4000	USE ADAPTER SA-8, 1050-168.
N30EL	6.3	B3-5032-4	71	82	P4	4400	CAP=P. MODEL 800# USE ADAPTER CA-4. NOTE 3.
N77	6.3	JR-3572-0	23	80	P4	2600	
N78	6.3	JR-3572-0	8	90	P4	4850	
N119	50.0	EV-2793-0	38	91	P4	6700	
N144	6.3	JR-3572-0	23	80	P4	2600	
N151	6.3	HS-6158-0	14	82	P4	3200	USE ADAPTER SA-5, 1050-129.
N152	20.0	EV-2083-9	42	92	P4	6000	CAP = P.
N153	12.6	EV-2713-6	8	90	P4	6200	
N154	20.0	EV-2793-0	24	90	P4	5000	DISREGARD SHORTS TEST AFTER GM TEST IS COMPLETE ALLOW 60 SEC. FOR HEATER WARMUP. ALLOW 5 SEC. T OBTAIN GM READING. MAKE LINE TEST AT 1300 ON 3000 SCALE.
N309	12.6	EV-2713-6	8	90	P4	6200	
N329	20.0	EV-2793-0	24	90	P4	5000	DISREGARD SHORTS TEST AFTER GM TEST IS COMPLETE ALLOW 60 SEC. FOR HEATER WARMUP. ALLOW 5 SEC. T OBTAIN GM READING. MAKE LINE TEST AT 1300 ON 3000 SCALE.
N359	20.0	EV-2083-9	42	92	P4	6000	CAP = P.
N709	6.3	EV-2793-0	15	91	P4	5350	
N727	6.3	JR-3562-0	13	87	P4	4100	
OM4	6.3	JR-0307-2	20	72	P4	1900	TRIODE SECTION. CAP = G.
OM4	6.3	JR-0507-3	0	18	P1	----	DIODE NO. 1. NOTE 1.
OM4	6.3	JR-0407-3	0	18	P1	----	DIODE NO. 2. NOTE 1.
PABC80	10.0	EV-8907-0	8	57	P4	1200	TRIODE SECTION.
PABC80	10.0	EV-0607-0	0	26	P1	----	DIODE NO. 1. NOTE 1.
PABC80	10.0	EV-0203-0	0	76	P1	----	DIODE NO. 2. NOTE 1.
PABC80	10.0	EV-0107-0	0	76	P1	----	DIODE NO. 3. NOTE 1.
PC86	4.3	EV-2103-0	19	88	P4	4650	
PC88	4.3	EV-9802-0	11	84	P4	3500	
PC900	4.3	JR-3507-6	19	90	P4	5200	
PC95	3.0	JR-2567-0	10	89	P4	5200	
PC97	4.3	JR-2503-6	18	89	P4	4900	
PCC84	7.5	EV-6907-0	22	90	P4	5750	TRIODE NO. 1.
PCC84	7.5	EV-2301-0	22	90	P4	5750	TRIODE NO. 2.
PCC85	10.0	EV-7608-9	21	64	P4	1450	TRIODE NO. 1.

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TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FDR EXPLANATIONS - SEE BACK COVER
PCC85	10.0	EV-2103-9	21	64	P4	1450	TRIODE NO. 2.
PCC88	7.5	EV-7608-0	16	93	P4	9250	TRIODE NO. 1.
PCC88	7.5	EV-2103-0	16	93	P4	9250	TRIODE NO. 2.
PCC89	7.5	EV-6908-0	23	89	P4	5400	TRIODE NO. 1.
PCC89	7.5	EV-2301-0	23	89	P4	5400	TRIODE NO. 2.
PCC186	6.3	EV-7608-0	24	75	P4	2200	TRIODE NO. 1.
PCC186	6.3	EV-2103-0	24	75	P4	2200	TRIODE NO. 2.
PCC189	7.5	EV-7608-0	17	93	P4	8750	TRIODE NO. 1.
PCC189	7.5	EV-2103-0	17	93	P4	8750	TRIODE NO. 2.
PCF80	10.0	EV-2637-1	7	83	P4	2950	PENTODE SECTION.
PCF80	10.0	EV-9108-6	26	83	P4	3100	TRIODE SECTION.
PCF82	10.0	EV-2637-0	7	75	P4	2200	PENTODE SECTION.
PCF82	10.0	EV-9108-0	12	88	P4	5000	TRIODE SECTION.
PCF86	7.5	EV-2893-0	11	73	P4	2000	PENTODE SECTION.
PCF86	7.5	EV-6703-0	29	84	P4	3200	TRIODE SECTION.
PCF200	7.5	FW-3782-4	10	84	P4	3600	PENTODE SECTION. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
PCF200	7.5	FW-A901-0	12	81	P4	3000	TRIODE SECTION.
PCF201	7.5	FW-3782-4	10	83	P4	3300	PENTODE SECTION. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
PCF201	7.5	FW-A901-0	29	81	P4	3000	TRIODE SECTION.
PCF801	7.5	EV-2671-0	10	84	P4	3200	PENTODE SECTION.
PCF801	7.5	EV-9803-0	28	90	P4	4800	TRIODE SECTION.
PCF802	10.0	EV-2637-0	16	75	P4	2100	PENTODE SECTION.
PCF802	10.0	EV-9108-0	18	61	P4	1350	TRIODE SECTION.
PCF805	7.5	EV-7328-0	13	84	P4	3500	PENTODE SECTION.
PCF805	7.5	EV-9108-0	30	83	P4	3400	TRIODE SECTION.
PCH200	10.0	FW-3741-2	7	53	--	1100	HEPT. SECT. HOLD DOWN P1 & PRESS P4. USE ADAPTE SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
PCH200	10.0	FW-8A09-0	22	81	P4	3000	TRIODE SECTION.
PCL82	20.0	EV-3672-0	13	90	P4	5500	PENT. SECT. SET LINE ADJ. TO 1450 ON 3000 SCALE
PCL82	20.0	EV-1908-0	17	48	P4	1000	TRIODE SECT. SET LINE ADJ. TO 1450 ON 3000 SCAL
PCL83	12.6	EV-9687-0	18	81	P4	3000	PENTODE SECTION.
PCL83	12.6	EV-2103-0	20	15	P4	600	TRIODE SECTION.
PCL84	12.6	EV-8697-0	10	90	P4	5900	PENTODE SECTION.
PCL84	12.6	EV-1203-0	10	87	P4	4000	TRIODE SECTION.
PCL85	20.0	EV-9678-0	26	91	P4	7000	PENTODE SECTION.
PCL85	20.0	EV-2103-0	20	78	P4	2300	TRIODE SECTION.
PCL86	12.6	EV-8637-0	10	87	P4	4750	PENTODE SECTION.
PCL86	12.6	EV-1902-0	10	42	P4	900	TRIODE SECTION.
PD500	7.5	EV-0801-0	0	60	P1	----	CAP = G. NOTE 1. USE ADAPTER SA-8, 1050-168.
PF86	4.3	EV-9613-8	11	65	P4	1500	
PFL200	20.0	FW-8A97-0	13	88	P4	5000	PENTODE NO. 1. MAKE 'LINE TEST' AT 1400 ON 3000 SCALE. USE ADAPTER SA-11. MODEL 800# USE SA-11 & CA-4. NOTE 3.
PFL200	20.0	FW-1432-0	13	81	P4	3000	PENTODE NO. 2. MAKE 'LINE TEST' AT 1400 ON 3000 SCALE.
PL2021	6.3	JR-3605-2	--	95	P5	----	STRIKES AT ABOUT 27. NOTES 1 & 2.
PL21	6.3	JR-3602-5	--	95	P5	----	STRIKES AT ABOUT 27. NOTES 1 & 2.
PL36	25.0	JR-5047-0	50	89	P4	4700	CAP = P.
PL81	20.0	EV-2083-9	42	92	P4	6000	CAP = P.
PL82	20.0	EV-2793-0	24	90	P4	5000	DISREGARD SHORTS TEST AFTER GM TEST IS COMPLETE ALLOW 60 SEC. FOR HEATER WARMUP. ALLOW 5 SEC. T OBTAIN GM READING. MAKE LINE TEST AT 1300 ON 3000 SCALE.
PL83	12.6	EV-2713-6	8	91	P4	7500	
PL84	12.6	EV-2793-0	41	88	P4	5000	MAKE LINE TEST AT 1700 ON 3000 SCALE.
PL500	25.0	EV-2078-0	63	88	P4	4500	CAP = P. USE ADAPTER SA-8, 1050-168.
PL505	35.0	EV-1039-2	76	88	P4	5000	CAP = P. USE ADAPTER SA-8, 1050-168.
PL508	20.0	EV-1637-0	45	87	P4	3100	MAKE 'LINE TEST' AT 1400 ON 3000 SCALE. USE ADAPTER SA-8, 1050-168.
PL521	25.0	EV-8039-2	65	87	P4	4200	CAP = P. USE ADAPTER SA-8, 1050-168.
PLL80	12.6	EV-2317-0	10	86	P4	4300	PENTODE NO. 1.
PLL80	12.6	EV-6897-0	10	86	P4	4300	PENTODE NO. 2.
PM04	6.3	EV-2783-9	0	79	P4	2600	

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
PM05	6.3	JR-3562-0	20	65	P4	1500	
PM07	6.3	JR-3572-6	15	73	P4	2000	
PM84	4.3	EV-1603-0	45	--	P4	----	SOLID BAR (SEE BELOW)
PM84	4.3	EV-1603-0	0	--	P4	----	SPLIT BAR. JUMPER NOVAL SOCKET PINS 7 & 9. CONNECT A 470K OHMS 1/2 WATT 10% RESISTOR FROM THIS JUMPER TO PIN 6 FOR BOTH TESTS.
PY80	20.0	EV-0903-0	0	63	P3	----	NOTE 1.
PY81	20.0	EV-0009-0	0	62	--	----	CAP = P. HOLD DOWN P6 AND PRESS P3.
PY82	20.0	EV-0903-0	0	63	P3	----	NOTE 1.
PY88	25.0	EV-0009-0	0	63	--	----	CAP = P. HOLD DOWN P6 AND PRESS P3. DISREGARD SHORTS TEST.
PY88	OFF	EV-0009-0	--	--	--	----	SHORT TEST ONLY.
PY500	OFF	EV-0007-0	--	--	--	----	SHORTS TEST ONLY.
PY500	50.0	EV-0007-0	0	80	--	----	CAP = P. HOLD DOWN P6 & PRESS P3. USE ADAPTER SA-8, 1050-168.
PY800	20.0	EV-0009-0	0	62	--	----	CAP = P. HOLD DOWN P6 & PRESS P3.
QA2403	6.3	JR-3572-6	15	73	P4	2000	
QA2406	12.6	EV-7608-0	13	83	P4	3250	TRIODE NO. 1.
QA2406	12.6	EV-2103-0	13	83	P4	3250	TRIODE NO. 2.
QE03/10	6.3	EV-9167-3	0	88	P4	5000	
QE05/40	6.3	JR-5032-7	30	93	P4	7200	CAP = P.
QE05/40F	12.6	JR-5032-7	30	93	P4	7200	CAP = P.
QE05/40H	25.0	JR-5032-7	30	93	P4	7200	CAP = P.
QE06/50	6.3	JR-3024-0	25	85	P4	3800	CAP = P.
QE02/5	12.6	EV-3872-0	10	88	P4	5000	TETRODE NO. 1. NOTE 4# 2-, 1+.
QE02/5	12.6	EV-1672-0	10	88	P4	5000	TETRODE NO. 2. NOTE 4# 3-, 1+.
QE03/12	12.6	EV-3872-0	20	83	P4	3300	TETRODE NO. 1. NOTE 4# 2-, 1+.
QE03/12	12.6	EV-1672-0	20	83	P4	3300	TETRODE NO. 2. NOTE 4# 3-, 1+.
QE03/20	12.6	JS-1034-0	28	80	P4	2500	TETRODE NO. 1. NOTE 4# 6-, 4+. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET.
QE03/20	12.6	JS-6034-0	28	80	P4	2500	TETRODE NO. 2. NOTE 4# 1-, 4+. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
QE06/40	12.6	JS-1034-0	25	83	P4	3800	PLATE NO. 1. NOTE 4# 6-, 4+. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET.
QE06/40	12.6	JS-6034-0	25	83	P4	3800	PLATE NO. 2. NOTE 4# 1-, 4+. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
QV02/6	12.6	EV-3872-0	10	88	P4	5000	TETRODE NO. 1. NOTE 4# 2-, 1+.
QV02/6	12.6	EV-1672-0	10	88	P4	5000	TETRODE NO. 2. NOTE 4# 3-, 1+.
QV03/10	12.6	EV-3872-0	20	83	P4	3300	TETRODE NO. 1. NOTE 4# 2-, 1+.
QV03/10	12.6	EV-1672-0	20	83	P4	3300	TETRODE NO. 2. NOTE 4# 3-, 1+.
QV03/20A	12.6	JS-1034-0	28	80	P4	2500	TETRODE NO. 1. NOTE 4# 6-, 4+. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET.
QV03/20A	12.6	JS-6034-0	28	80	P4	2500	TETRODE NO. 2. NOTE 4# 1-, 4+. USE ADAPTER SA-6, 1050-107. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
QV06/40	12.6	JS-1034-0	25	83	P4	3800	PLATE NO. 1. USE ADAPTER SA-6, 1050-107. NOTE 4# 6-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF OCTAL SOCKET.
QV06/40	12.6	JS-6034-0	25	83	P4	3800	PLATE NO. 2. USE ADAPTER SA-6, 1050-107. NOTE 4# 1-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF OCTAL SOCKET.
QV05/25	6.3	JR-3024-0	25	85	P4	3800	CAP = P.
U26	6.3	ES-0000-0	0	86	P5	----	CAP = P. NOTE 1.
U49	6.3	ES-0000-0	0	86	P5	----	CAP = P. NOTE 1.
U50	5.0	HR-0600-0	0	22	P3	----	PLATE NO. 1 NOTE 1.

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TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
U50	5.0	HR-0400-0	0	18	P3	----	PLATE NO. 2 NOTE 1.
U52	5.0	HR-0600-0	0	35	P3	----	PLATE NO. 1. NOTE 1.
U52	5.0	HR-0400-0	0	30	P3	----	PLATE NO. 2. NOTE 1.
U70	6.3	JR-0507-2	0	37	P3	----	DIODE NO. 1. NOTE 1.
U70	6.3	JR-0307-2	0	37	P3	----	DIODE NO. 2. NOTE 1.
U78	6.3	JR-0607-3	0	24	P3	----	DIODE NO. 1. NOTE 1.
U78	6.3	JR-0307-6	0	24	P3	----	DIODE NO. 2. NOTE 1.
U119	35.0	EV-0903-0	0	73	P3	----	NOTE 1.
U152	20.0	EV-0903-0	0	63	P3	----	NOTE 1.
U153	20.0	EV-0009-0	0	62	--	----	CAP = P. HOLD DOWN P6 AND PRESS P3.
U154	20.0	EV-0903-0	0	63	P3	----	NOTE 1.
U192	20.0	EV-0903-0	0	63	P3	----	NOTE 1.
U309	20.0	EV-0903-0	0	63	P3	----	NOTE 1.
U381	35.0	EV-0903-0	0	73	P3	----	NOTE 1.
U709	6.3	EV-0703-0	0	52	P3	----	PLATE NO. 1. NOTE 1.
U709	6.3	EV-0103-0	0	52	P3	----	PLATE NO. 2. NOTE 1.
UAA91	19.0	JR-0703-0	0	78	P1	----	DIODE NO. 1. NOTE 1.
UAA91	19.0	JR-0205-0	0	78	P1	----	DIODE NO. 2. NOTE 1.
UABC80	25.0	EV-8907-0	8	57	P4	1200	TRIODE SECTION.
UABC80	25.0	EV-0607-0	0	26	P1	----	DIODE NO. 1. NOTE 1.
UABC80	25.0	EV-0203-0	0	76	P1	----	DIODE NO. 2. NOTE 1.
UABC80	25.0	EV-0107-0	0	76	P1	----	DIODE NO. 3. NOTE 1.
UAF42	12.6	HS-6158-4	9	70	P4	1800	PENTODE SECTION. USE ADAPTER SA-5, 1050-129.
UAF42	12.6	HS-0308-0	0	58	P1	----	DIODE SECT. USE ADAPTER SA-5, 1050-129. NOTE 1.
UB41	20.0	HS-0607-0	0	77	P1	----	DIODE NO. 1. NOTE 1. USE ADAPT SA-5, 1050-129
UB41	20.0	HS-0403-0	0	77	P1	----	DIODE NO. 2. NOTE 1.
UBC41	12.6	HS-3108-0	15	48	P4	1000	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
UBC41	12.6	HS-0608-0	0	22	P1	----	DIODE NO. 1. USE ADAPTER SA-5, 1050-129. NOTE 1
UBC41	12.6	HS-0508-0	0	22	P1	----	DIODE NO. 2. USE ADAPTER SA-5, 1050-129. NOTE 1
UBC81	12.6	EV-2103-0	15	48	P4	1000	TRIODE SECTION.
UBC81	12.6	EV-0603-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
UBC81	12.6	EV-0803-0	0	22	P1	----	DIODE NO. 2. NOTE 1.
UBF80	20.0	EV-2613-9	5	73	P4	2200	TRIODE SECTION.
UBF80	20.0	EV-0703-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
UBF80	20.0	EV-0803-0	0	22	P1	----	DIODE NO. 2. NOTE 1.
UBF89	20.0	EV-2613-9	6	81	P4	2900	PENTODE SECTION.
UBF89	20.0	EV-0803-0	0	42	P1	----	DIODE NO. 1. NOTE 1.
UBF89	20.0	EV-0703-0	0	42	P1	----	DIODE NO. 2. NOTE 1.
UC92	10.0	JR-6307-0	13	83	P4	3250	
UCC85	25.0	EV-7608-0	21	64	P4	1450	TRIODE NO. 1.
UCC85	25.0	EV-2103-0	21	64	P4	1450	TRIODE NO. 2.
UCH42	12.6	HS-6158-4	14	60	P4	1300	HEXODE SECTION. USE ADAPTER SA-5, 1050-129.
UCH42	12.6	HS-4308-6	24	66	P4	1500	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
UCH81	20.0	EV-2613-7	13	59	P4	1300	HEPTODE SECTION.
UCH81	20.0	EV-9803-2	21	79	P4	2750	TRIODE SECTION.
UCL82	50.0	EV-3672-0	19	88	P4	4300	PENTODE SECTION.
UCL82	50.0	EV-1908-0	6	73	P4	2050	TRIODE SECTION.
UCL83	35.0	EV-9687-0	18	81	P4	3000	PENTODE SECTION.
UCL83	35.0	EV-2103-0	20	15	P4	600	TRIODE SECTION.
UF41	12.6	HS-6158-0	19	65	P4	1500	USE ADAPTER SA-5, 1050-129.
UF42	20.0	HS-6158-4	10	81	P4	2600	USE ADAPTER SA-5, 1050-129.
UF80	20.0	EV-2781-9	6	86	P4	3700	
UF85	20.0	EV-2781-9	17	80	P4	2550	
UF86	12.6	EV-9613-8	11	65	P4	1500	
UF89	12.6	EV-2783-9	8	78	P4	2500	
UL41	50.0	HS-6158-0	19	89	P4	4750	USE ADAPTER SA-5, 1050-129.
UL84	50.0	EV-2793-0	38	91	P4	6700	
UM80	20.0	EV-1902-0	--	100	P5	----	CONNECT A 1 MEG. RESISTOR FROM PLATE JACK TO OCTAL TEST SOCKET PIN NO. 8.
UY41	35.0	HS-0108-0	0	74	P1	----	VARY BIAS TO VARY BEAM ANGLE.
UY42	35.0	HS-0108-0	0	74	P1	----	SET LINE ADJ. TO 1350 ON 3000 SCALE. USE ADAPTE SA-5, 1050-129. NOTE 1.
							MAKE 'LINE TEST' AT 1350 ON 3000 SCALE. NOTE 1. USE ADAPTER SA-5, 1050-129.

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
UY85	35.0	EV-0903-0	0	73	P3	----	NOTE 1.
UY89	35.0	EV-0903-0	0	74	P1	----	MAKE 'LINE TEST' AT 1350 ON 3000 SCALE. NOTE 1.
W17	1.5	DX-6210-0	0	21	--	650	HOLD DOWN P1 AND PRESS P4.
W77	6.3	JR-3572-6	11	65	P4	1500	
WD119	20.0	EV-2613-9	6	81	P4	2900	PENTODE SECTION.
WD119	20.0	EV-0803-0	0	42	P1	----	DIODE NO. 1. NOTE 1
WD119	20.0	EV-0703-0	0	42	P1	----	DIODE NO. 2. NOTE 1
X17	1.5	DX-8106-2	60	32	P4	775	
X78	6.3	JR-2530-0	35	35	P4	900	HEXODE SECTION.
X78	6.3	JR-7600-0	20	87	P4	4600	TRIODE SECTION.
X108	20.0	JR-2530-0	35	35	P4	900	HEXODE SECTION.
X108	20.0	JR-7600-0	20	87	P4	4600	TRIODE SECTION.
X119	20.0	EV-2613-7	13	59	P4	1300	HEPTODE SECTION.
X119	20.0	EV-9803-2	21	79	P4	2750	TRIODE SECTION.
X142	12.6	HS-6158-4	14	60	P4	1300	HEXODE SECTION. USE ADAPTER SA-5, 1050-129.
X142	12.6	HS-4308-6	24	66	P4	1500	TRIODE SECTION.
X719	6.3	EV-2613-7	13	59	P4	1300	HEPTODE SECTION.
X719	6.3	EV-9803-2	21	79	P4	2750	TRIODE SECTION.
X727	6.3	JR-7562-3	0	14	--	600	AMPLIFIER SECTION. HOLD DOWN P1 AND PRESS P4.
X727	6.3	JR-3562-7	20	87	P4	4400	OSCILLATOR SECTION.
XC95	2.0	JR-2567-0	10	89	P4	5200	
XC97	2.5	JR-2503-6	16	90	P4	6000	
XC900	2.0	JR-3507-6	19	90	P4	5200	
XCC82	6.3	EV-7608-0	24	75	P4	2200	TRIODE NO. 1.
XCC82	6.3	EV-2103-0	24	75	P4	2200	TRIODE NO. 2.
XCC189	4.3	EV-7608-0	17	93	P4	8750	TRIODE NO. 1.
XCC189	4.3	EV-2103-0	17	93	P4	8750	TRIODE NO. 2.
XCF80	4.3	EV-2637-1	7	83	P4	2950	PENTODE SECTION.
XCF80	4.3	EV-9108-6	26	83	P4	3100	TRIODE SECTION.
XCF86	5.0	EV-2893-0	11	73	P4	2000	PENTODE SECTION.
XCF86	5.0	EV-6703-0	29	84	P4	3700	TRIODE SECTION.
XCF801	4.3	EV-2671-0	10	84	P4	3700	PENTODE SECTION.
XCF801	4.3	EV-9803-0	28	90	P4	4800	TRIODE SECTION.
XCH81	3.0	EV-2613-7	13	59	P4	1300	HEPTODE SECTION.
XCH81	3.0	EV-9803-2	21	79	P4	2750	TRIODE SECTION.
XCL82	7.5	EV-3672-0	19	88	P4	4300	PENTODE SECTION.
XCL82	7.5	EV-1908-0	6	73	P4	2050	TRIODE SECTION.
XCL84	7.5	EV-8697-0	10	90	P4	5500	PENTODE SECTION.
XCL84	7.5	EV-1203-0	10	87	P4	4000	TRIODE SECTION.
XCL85	10.0	EV-9678-0	26	91	P4	7000	PENTODE SECTION.
XCL85	10.0	EV-2103-0	20	78	P4	2300	TRIODE SECTION.
XF80	3.0	EV-2781-9	6	86	P4	3700	
XF85	3.0	EV-2781-9	17	80	P4	2550	
XF86	2.5	EV-9613-8	11	65	P4	1500	
XF183	3.0	EV-2781-9	16	88	P4	2500	
XF184	3.0	EV-2781-9	10	84	P4	3400	
XL36	12.6	JR-5047-0	50	89	P4	4700	CAP = P.
XL84	7.5	EV-2793-6	14	82	P4	3200	
XL86	7.5	EV-2793-0	38	91	P4	6700	
XL500	12.6	EV-2078-0	63	88	P4	4500	CAP = P. USE ADAPTER SA-8, 1050-168.
XY88	20.0	EV-0009-0	0	68	--	----	CAP = P. HOLD DOWN P6 AND PRESS P3. DISREGARD SHORTS TEST.
YC95	3.0	JR-2567-0	10	89	P4	5200	
YC97	3.0	JR-2503-6	16	90	P4	6000	
YCC189	5.0	EV-7608-0	17	93	P4	8750	TRIODE NO. 1.
YCC189	5.0	EV-2103-0	17	93	P4	8750	TRIODE NO. 2.
YF183	4.3	EV-2781-9	16	88	P4	2500	
YF184	4.3	EV-2781-9	10	84	P4	3400	
YL84	10.0	EV-2793-0	14	91	P4	7500	
YL1080	1.5	EV-1670-3	10	77	P4	2400	TETRODE NO. 1.
YL1080	1.5	EV-3870-1	10	77	P4	2400	TETRODE NO. 2.
YL1370	6.3	JR-5032-7	30	93	P4	7200	CAP=P
YL1371	12.6	JR-5032-7	30	93	P4	7200	CAP=P

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
YL1372	25.0	JR-5032-7	30	93	P4	7200	CAP=P
Z63	6.3	JR-0347-5	7	57	P4	1225	CAP = G.
Z77	6.3	JR-3572-6	15	73	P4	2000	
Z150	6.3	HS-6158-4	10	81	P4	2600	USE ADAPTER SA-5, 1050-129.
Z152	6.3	EV-2781-9	6	86	P4	3700	
Z719	6.3	EV-2781-9	6	86	P4	3700	
Z729	6.3	EV-9316-8	11	65	P4	1500	
Z142	20.0	HS-6158-4	10	81	P4	2600	
ZD17	1.5	DX-6580-0	11	0	--	490	PENTODE SECTION. HOLD DOWN P1 AND PRESS P4.
ZD17	1.5	HT-0180-0	0	14	P1	----	DIODE SECTION. NOTE 1. USE ADAPTER SA-5, 1050-129
ZD152	6.3	EV-2613-9	5	73	P4	2200	PENTODE SECTION.
ZD152	6.3	EV-0703-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
ZD152	6.3	EV-0803-0	0	22	P1	----	DIODE NO. 2. NOTE 1.

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