



# 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	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
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.
5HGB	5.0	EV-2893-0	11	73	P4	2000	PENTODE SECTION.
5HGB	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. NOTE 3.
5X9	6.3	FW-A901-0	12	81	P4	3000	TRIODE SECTION.
6AB9	6.3	FW-978A-0	15	81	P4	3000	TETRODE NO. 1. USE ADAPTER SA-11. MODEL 800# US
6AB9	6.3	FW-3124-0	15	81	P4	3000	SA-11 & CA-4. NOTE 3.
6AF9	6.3	FW-8A97-0	13	88	P4	5000	TETRODE NO. 2.
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.
6B07A	6.3	EV-2103-0	15	48	P4	1000	TRIODE SECTION.
6B07A	6.3	EV-0603-0	0	22	P1	----	DIODE NO. 1. NOTE 1.
6B07A	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	CAP = G.
6BS7	6.3	EV-0783-9	17	59	P4	1250	
6BT4	6.3	HS-0108-0	0	30	P3	----	DIODE NO. 1. NOTE 1. (SEE BELOW) DIODE NO. 2. NOTE 1. USE ADAPTER SA-5, 1050-129.
6BT4	6.3	HS-0608-0	0	30	P3	----	
6BW6	6.3	EV-2783-9	17	87	P4	4100	HEPTODE SECTION.
6BY7	6.3	EV-2781-9	17	80	P4	2550	
6C12	6.3	EV-2613-7	13	59	P4	1300	
6C12	6.3	EV-9803-2	21	79	P4	2750	
6C18	6.3	EV-7328-0	13	84	P4	3500	TRIODE SECTION.
6C18	6.3	EV-9108-0	30	83	P4	3400	PENTODE SECTION.
6CA4	6.3	EV-0703-0	0	47	P3	----	TRIODE SECTION.
6CA4	6.3	EV-0103-0	0	47	P3	----	PLATE NO. 1 NOTE 1 PLATE NO. 2 NOTE 1
6CA7	6.3	JR-5347-2	21	91	P4	6000	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.
6CD7	6.3	JR-4507-0	--	100	P5	----	
6CF8	6.3	EV-9613-8	11	65	P4	1500	USE ADAPTER SA-5, 1050-129.
6CH6	6.3	EV-2783-9	0	92	P4	6700	
6CJ5	6.3	HS-6158-0	19	65	P4	1500	
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	CAP = P.
6CM5	6.3	JR-5047-0	50	89	P4	4700	
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	TRIODE NO. 1.
6CW7	6.3	EV-6907-0	22	90	P4	5750	
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	PENTODE SECTION. NOTE 1.
6DL5	6.3	JR-3562-0	8	84	P4	3600	
6DR8	6.3	EV-2163-9	0	42	P1	----	DIODE NO. 1. NOTE 1.
6DR8	6.3	EV-0803-0	0	42	P1	----	DIODE NO. 2. NOTE 1.
6DR8	6.3	EV-0703-0	0	42	P1	----	
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	MAKE NO GAS TEST. NOTE 1.
6EJ7	6.3	EV-2781-9	10	84	P4	3400	
6ER5	6.3	JR-2567-0	10	89	P4	5200	TRIODE NO. 1.
6ES6	6.3	JR-7652-3	0	64	P1	----	
6ES8	6.3	EV-7608-0	17	93	P4	8750	

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.

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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	NOTATIONS
							FOR EXPLANATIONS - SEE BACK COVER
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.

SEE NEXT PAGE FOR CONTINUATION

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-2613-9	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	----	TRIODE SECTION. CAP = G. DIODE NO. 1. NOTE 1. DIODE NO. 2. NOTE 1.
6067	12.6	EV-7608-0	18	75	P4	2200	
6067	12.6	EV-2103-0	18	75	P4	2200	DIODE NO. 1. NOTE 1. DIODE NO. 2. NOTE 1.
6118	6.3	JR-0307-0	14	38	P4	800	
6118	6.3	JR-0507-0	0	23	P1	----	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+. 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+.
6118	6.3	JR-0407-0	0	23	P1	----	
6132	6.3	EV-2783-9	0	92	P4	6700	TETRUDE NO. 1. NOTE 4# 2-, 1+. TETRUDE NO. 2. NOTE 4# 3-, 1+. CAP = P. NOTE 1. USE ADAPTER SA-2, 1050-99.
6227	6.3	EV-2783-9	15	89	P4	2500	
6252	12.6	JS-1034-0	28	80	P4	2500	AMP. SECTION. HOLD DOWN P1 & PRESS P4. OSC. SECTION.
6252	12.6	JS-6034-0	28	80	P4	2500	
6267	6.3	EV-9613-8	11	65	P4	1500	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+. 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+.
6360	12.6	EV-3872-0	20	83	P4	3300	
6360	12.6	EV-1672-0	20	83	P4	3300	TETRODE NO. 1. NOTE 4# 2-, 1+. TETRODE NO. 2. NOTE 4# 3-, 1+. CAP = P. NOTE 1. USE ADAPTER SA-2, 1050-99.
6374	6.3	EV-0003-0	0	54	P3	----	
6375	1.1	EV-1800-0	19	83	P4	3400	AMP. SECTION. HOLD DOWN P1 & PRESS P4. OSC. SECTION.
6516	6.3	JR-3572-0	23	80	P4	2600	
6686	6.3	EV-2783-9	15	83	P4	3100	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+. 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-7562-3	0	53	--	1100	
6687	6.3	JR-3562-7	0	50	P4	1050	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+. 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+.
6688	6.3	EV-2791-8	10	87	P4	4300	
6689	6.3	EV-2613-9	14	88	P4	4200	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+. 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+.
6761	6.3	EV-2173-0	25	89	P4	6500	
6883	12.6	JR-5032-7	30	93	P4	7200	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+. 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+.
6907	12.6	JS-1034-0	28	80	P4	2500	
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 3 OF 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 6 OF 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.

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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.
DA90	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.

SEE NEXT PAGE FOR CONTINUATION



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 P4
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	28	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.
E80CF	6.3	EV-2637-1	7	83	P4	2950	PENTODE SECTION.
E80CF	6.3	EV-9108-6	26	83	P4	3100	TRIODE SECTION.
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.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS	ENG	PRESS	MUT. COND	NOTATIONS
							FOR EXPLANATIONS - SEE BACK COVER
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. PENTODE NO. 2.
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
L2319	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

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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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