



# **FOREIGN TUBE TYPES**

## **SUPPLEMENTARY TEST DATA**

**for**

### **MODELS 6000, 6000A & 6005**

### **TUBE TESTERS**

HICKOK ELECTRICAL INSTRUMENT CO

3200-224

Supersedes 3200-158

# ADAPTERS

## for TUBE TESTERS

As new tube types with new basing arrangements are developed, Hickok makes Adapters to accommodate them. These Adapters consist of the new bases which plug into a socket on your Tube Tester and thus enlarge its scope to the extent of the new basings. This Hickok policy greatly extends the useful life of your Tester. Consult the following list of Adapters with

their descriptions to determine which Adapter meets your requirements. Please order by both Model and Code number of the Adapter, as well as indicating the Model and Serial number of the Tube Tester with which the Adapter is to be used. Prices listed below are subject to change without notice.

Model No.	Code No.		Net Price
CA-5	1050-164	Adapter - Latest Tube Bases: This adapter provides tube test sockets for Compactrons, Novars, 5 and 7-pin Nuvisitors and the new 10-pin tubes, including Decals. Three selector switches provide selection of tube elements on the latest based tubes and a permanently attached lead provides for top cap tube connections. The adapter is supplied with a connecting cable terminating in a Noval plug which is plugged into the tube tester Noval test socket. . . . .	\$59.50
SA-1	1050-94	Subminiature Adapter, with sockets for testing 7-pin inline and 8-pin round tube types on some early units of Models 539B, 539C, 580, 750, 752, 752A, 6000, 6000A and 6005 Tube Testers that were not supplied with these sockets on their panels, although most of the above Testers are equipped with these sockets. Check your particular Tester before ordering . . . . .	\$12.50
SA-2	1050-99	Subminiature Adapter, with sockets for testing 7-pin inline and 8-pin round tube types on some early units of Models 533A, 600A, 800, 800A and 1575 Tube Testers that were not supplied with these sockets on their panels, although most of the above Testers are equipped with these sockets. Check your particular Tester before ordering . . . . .	\$12.50
SA-3	1050-127	Nuvisor Adapter, for testing 5-pin Nuvisor tube types on all Hickok Tube Testers not supplied with this socket on the panel. NOTE: This socket is also on the CA-4, 1050-135 (and CA-5, 1050-164) Universal Adapters. If you have a Universal Adapter, this Nuvisor Adapter is unnecessary. . . . .	\$12.50
SA-4	1050-144	Novar Adapter, for testing all Novar tube types on all Hickok Tube Testers not supplied with this socket on the panel. NOTE: This socket is also on the CA-4, 1050-135 (and CA-5, 1050-164) Universal Adapters. If you have a Universal Adapter, this Novar Adapter is unnecessary. . . . .	\$12.50
SA-5	1050-129	Rimlock Adapter, for testing Foreign Rimlock tube types on all Hickok Tube Testers . . . . .	\$17.50
SA-6	1050-107	Septar Adapter, for testing Septar tube types such as 829B, 832A, etc., on all Hickok Tube Testers. . . . .	\$19.50
SA-7	1050-9	Acorn Adapter, for testing Acorn tube types on all Hickok Tube Testers not supplied with this socket on the panel. . . . .	\$24.00
SA-8	1050-168	Magnoval Adapter, for testing Magnoval tube types on all Hickok Tube Testers not supplied with this socket. CAUTION: Any attempt to force a Magnoval tube type into a Novar socket (it can be done) will spread the pin contacts in the socket and render it permanently useless for testing Novar tube types . . . . .	\$12.50
SA-9	1050-121	Pencil Tube Adapter, for testing Pencil tube tubes on all Hickok Tube Testers . . . . .	\$14.50
SA-11	1050-177	Decal Adapter, for testing 10-pin Decal tube types on all Hickok Tube Testers not supplied with this socket on panel. The following list of early Hickok Tube Testers also require a CA-4, 1050-135, Universal Adapter be used in conjunction with this Adapter: Models 533A, 539B, 600A, 605A, 750, 752, 800, 1575, 6000 and 6005. . . . .	\$12.50

## NOTATIONS

NOTE 1: Connect lead provided to the top cap of the tube to be tested. The operating function of the cap will then be determined by the SELECTOR settings.

NOTE 2: (symbols "#" on Roll Chart) Set BIAS dial at 100; press and hold down TEST button while rotating BIAS dial until tube strikes.

NOTE 3: For TUBE TESTER Models 6000-6005 the Universal Adapter CA-5, 1050-164, is available. This adapter provides tube test sockets for Compactrons, Novars, 5 and 7-pin Nuvisors, 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.

NOTE 5: For Tester Models not having Subminiature Sockets use Hickok Adapter SA-1, 1050-94. See inside back cover for complete description of all adapters.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. CUND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
1AJ4	1.4	HR-6230-0	25	0	A	600	
1AR5	1.4	BX-6540-0	11	73	B	400	PENTODE SECTION. OK ABOVE 250.
1AR5	1.4	BX-0300-0	0	0	C	----	DIODE SECTION.
1AS5	1.4	BX-6230-0	11	73	B	400	PENTODE SECTION. OK ABOVE 250.
1AS5	1.4	BX-0400-0	0	0	C	----	DIODE SECTION.
1BG2	1.4	CX-0X00-0	0	85	F	----	CONNECT FIL. LEADS TO OCTAL SOCKET PINS 2 & 7. CONNECT SINGLE LEAD TO CAP. OK ABOVE DIODES OK
1BQ2	1.4	BS-0X00-0	0	70	F	----	
1C1	1.4	BX-4306-2	55	53	A	1100	
1D13	1.4	HR-0203-0	0	0	C	----	DIODE.
1F2	1.4	HR-6230-0	19	49	A	1025	
1F3	1.4	BX-6230-0	11	21	B	650	
1M3	1.4	FV-1800-0	--	--	F	----	ADJUST BIAS TO VARY BAR LENGTH. DO NOT ADJUST BIAS BELOW 25.
1N3	1.4	EV-1800-0	--	--	F	----	ADJUST BIAS TO VARY BAR LENGTH. DO NOT ADJUST BIAS BELOW 25.
1P10	2.5	HR-3240-0	24	65	B	1500	
1P11	3.0	HR-6230-0	35	68	A	1650	
2B-H5	2.0	DR-4208-0	23	79	A	2600	USE ADAPTER SA-3, 1050-127 OR CA-4, 1050-135
2B-H5	2.0	13-4208-0	23	79	A	2600	USE FOR MODEL 6000A.
2FY5	2.5	ET-2501-6	19	90	A	5750	
2HA5	2.0	ET-1507-6	20	87	A	4600	
2N-H11	2.0	DR-4208-0	22	79	A	2600	USE ADAPTER SA-3, 1050-127 OR CA-4, 1050-135
2N-H11	2.0	13-4208-0	22	79	A	2600	USE FOR MODEL 6000A.
2N-H12	2.0	13-6107-0	27	88	A	4600	MODEL 6000-6005# NOTE 3.
3AJ8	3.0	FV-2613-7	11	65	A	1500	HEPTODE SECTION.
3AJ8	3.0	EV-9803-2	15	81	A	3000	TRIODE SECTION.
3BH2	3.0	JR-0X00-0	0	90	F	----	OK ABOVE DIODES OK. USE ADAPTER SA-8, 1050-168.
3BX6	3.0	EV-2781-9	10	86	A	4200	
3BY7	3.0	EV-2781-9	12	81	A	3000	
3FY5	3.0	ET-2501-6	19	90	A	5750	
3M-P26	3.0	ET-1562-0	42	86	A	4000	
4AB8	4.3	EV-9683-7	18	83	A	3300	PENTODE SECTION
4AB8	4.3	EV-2103-0	27	61	A	1350	TRIODE SECTION
4BL8	4.3	EV-2637-1	12	81	A	3000	PENTODE SECTION.
4BL8	4.3	EV-9108-6	26	85	A	4000	TRIODE SECTION.
4BN4	4.3	ET-2501-0	19	88	A	5000	
4CM4	4.3	EV-2103-0	20	88	A	4400	
4DL4	4.3	EV-9802-0	19	89	A	6300	
4ER5	3.0	ET-2567-0	10	89	A	5000	
4FY5	4.3	ET-2501-6	19	90	A	5750	
4GJ7	4.3	EV-2671-0	11	86	A	3500	PENTODE SECTION.
4GJ7	4.3	EV-9803-0	30	90	A	4250	TRIODE SECTION.
4GS7	4.3	EV-9678-0	10	85	A	3500	PENTODE SECTION.
4GS7	4.3	FV-1203-0	31	85	A	3750	TRIODE SECTION.
4HA5	4.3	ET-1507-6	20	87	A	4600	
4HG8	4.3	EV-2893-0	10	84	A	3600	PENTODE SECTION.
4HG8	4.3	EV-6703-0	32	82	A	3200	TRIODE SECTION.
4KN8	4.3	EV-7608-0	22	90	A	6000	TRIODE NO. 1.
4KN8	4.3	EV-2103-0	22	90	A	6000	TRIODE NO. 2.
4M-P12	4.3	ET-1562-0	15	85	A	3700	
4M-P26	4.3	ET-1562-0	42	86	A	4000	
4R-HH2	4.3	EV-7608-9	13	90	A	6400	TRIODE NO. 1.
4R-HH2	4.3	EV-2103-9	13	90	A	6400	TRIODE NO. 2.
4R-HH8	4.3	EV-7608-0	22	90	A	6000	TRIODE NO. 1.
4R-HH8	4.3	EV-2103-0	22	90	A	6000	TRIODE NO. 2.
5AR4	5.0	JS-0600-0	0	90	D	----	PLATE NO. 1.
5AR4	5.0	JS-0400-0	0	90	D	----	PLATE NO. 2.
5GJ7	5.0	EV-2671-0	11	86	A	3500	PENTODE SECTION.
5GJ7	5.0	EV-9803-0	30	90	A	4250	TRIODE SECTION.
5GS7	5.0	FV-9678-0	10	85	A	3500	PENTODE SECTION.
5GS7	5.0	EV-1203-0	31	85	A	3750	TRIODE SECTION.
5HGR	5.0	EV-2893-0	10	84	A	3600	PENTODE SECTION.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
5HG8	5.0	EV-6703-0	32	82	A	3200	TRIODE SECTION.
5M-HH3	5.0	ET-5207-0	21	81	A	3000	TRIODE NO. 1.
5M-HH3	5.0	ET-6107-0	21	81	A	3000	TRIODE NO. 2.
5M-K9	5.0	ET-0503-0	0	86	C	----	OK ABOVE DIODES OK.
5U9	6.3	FW-3782-4	10	83	A	3300	PENTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
5U9	6.3	FW-X901-0	29	81	A	3000	TRIODE SECTION.
5V9	5.0	FW-3741-2	10	48	H	1000	HEPTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
5V9	5.0	FW-8X09-0	22	81	A	3000	TRIODE SECTION.
5X9	6.3	FW-3782-4	10	84	A	3600	PENTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
5X9	6.3	FW-X901-0	12	81	A	3000	TRIODE SECTION.
6A88	6.3	EV-9683-7	18	83	A	3300	PENTODE SECTION
6A88	6.3	EV-2103-0	27	61	A	1350	TRIODE SECTION
6A89	6.3	FW-978X-0	15	81	A	3000	TETRODE NO. 1. USE ADAPTER SA-11, 1050-177. MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
6A89	6.3	FW-3124-0	15	81	A	3000	TETRODE NO. 2.
6AF9	6.3	FW-8X97-0	13	88	A	5000	PENTODE NO. 1. USE ADAPTER SA-11, 1050-177. MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
6AF9	6.3	FW-1432-0	13	83	A	3300	PENTODE NO. 2.
6AJ8	6.3	EV-2613-7	11	65	A	1500	HEPTODE SECTION.
6AJ8	6.3	EV-9803-2	15	81	A	3000	TRIODE SECTION.
6AK8	6.3	EV-8907-6	11	56	A	1200	TRIODE SECTION.
6AK8	6.3	EV-0607-1	0	26	C	----	DIODE NO. 1.
6AK8	6.3	EV-0203-7	0	77	C	----	DIODE NO. 2.
6AK8	6.3	EV-0107-8	0	77	C	----	DIODE NO. 3.
6AL3	6.3	EV-090X-0	0	93	D	----	
6AM5	6.3	ET-1572-0	20	79	A	2600	
6AM6	6.3	ET-1572-6	11	81	A	3000	
6AQ4	6.3	ET-1702-0	11	85	A	4000	
6AQ8	6.3	EV-7608-9	11	81	A	3000	TRIODE NO. 1.
6A08	6.3	EV-2103-9	11	81	A	3000	TRIODE NO. 2.
6B-B14	6.3	EV-1X63-0	57	89	A	4400	USE ADAPTER SA-8, 1050-168.
6BD7A	6.3	EV-2103-0	11	62	A	1400	TRIODE SECTION.
6BD7A	6.3	EV-0603-0	0	28	C	----	DIODE NO. 1.
6BD7A	6.3	EV-0803-0	0	28	C	----	DIODE NO. 2.
6BJ5	6.3	ET-1572-0	10	89	A	5000	
6BK8	6.3	EV-9613-8	11	65	A	1500	
6BL8	6.3	EV-2637-1	12	81	A	3000	PENTODE SECTION.
6BL8	6.3	EV-9108-6	26	85	A	4000	TRIODE SECTION.
6BM8	6.3	EV-3672-0	24	86	A	4300	PENTODE SECTION.
6BM8	6.3	EV-1908-0	11	71	A	1900	TRIODE SECTION.
6BN5	6.3	EV-2793-8	24	80	A	2700	
6BR3	6.3	EV-090X-0	0	91	C	----	
6BR5	6.3	EV-19X2-0	--	100	F	----	CONNECT A 1 MEGOHM RESISTOR FROM CAP LEAD TO LOCAL TEST SOCKET PIN NO. 7. VARY BIAS TO VARY BEAM ANGLE. BIAS = VARY.
6BR7	6.3	EV-2783-9	19	58	A	1250	
6BS7	6.3	EV-X783-9	19	58	A	1250	
6BT4	6.3	JR-0207-0	0	25	D	----	PLATE NO. 1. USE ADAPTER SA-5, 1050-129.
6BT4	6.3	JR-0607-0	0	25	D	----	PLATE NO. 2.
6BW6	6.3	EV-2783-9	11	86	A	4100	
6BY7	6.3	EV-2781-9	12	81	A	3000	
6C12	6.3	EV-2613-7	11	65	A	1500	HEPTODE SECTION.
6C12	6.3	EV-9803-2	15	81	A	3000	TRIODE SECTION.
6C18	6.3	EV-7328-0	13	85	A	3600	PENTODE SECTION.
6C18	6.3	EV-9108-0	30	86	A	4000	TRIODE SECTION.
6CA4	6.3	EV-0703-0	0	62	D	----	PLATE NO. 1.
6CA4	6.3	EV-0103-0	0	62	D	----	PLATE NO. 2.
6CD7	6.3	HS-4508-0	--	100	F	----	CONNECT A 1 MEGOHM RESISTOR FROM PIN 5 OF 5-PIN SOCKET TO PIN 3 OF LARGE 7-PIN SOCKET. CONNECT ANOTHER 1 MEGOHM RESISTOR FROM PIN 5 OF 5-PIN SOCKET TO PIN 6 OF LARGE 7-PIN SOCKET. EYE 1 CLOSES AT BIAS OF ABOUT 30. EYE 2 CLOSES AT BIAS OF ABOUT 60. BIAS = VARY.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6CF8	6.3	EV-9613-8	11	65	A	1500	
6CH6	6.3	EV-2783-9	11	90	A	6000	
6CJ5	6.3	JR-6257-0	20	65	A	1500	USE ADAPTER SA-5, 1050-129.
6CK5	6.3	JR-6257-0	10	90	A	6000	USE ADAPTER SA-5, 1050-129.
6CM4	6.3	EV-2103-0	20	88	A	4400	
6CM5	6.3	HS-5X48-0	38	91	A	7500	
6CN6	6.3	HS-5X48-1	12	91	A	7250	
6CQ6	6.3	ET-1572-6	12	65	A	1500	
6CT7	6.3	JR-6257-4	25	56	A	1200	PENTODE SECTION.
6CT7	6.3	JR-0307-0	0	61	C	----	DIODE SECTION. USE ADAPTER SA-5, 1050-129.
6CU7	6.3	JR-6257-4	23	48	A	1000	HEXODE SECTION.
6CU7	6.3	JR-4307-6	27	65	A	1500	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
6CV7	6.3	JR-3207-0	11	62	A	1400	TRIODE SECTION.
6CV7	6.3	JR-0607-0	0	28	C	----	DIODE NO. 1.
6CV7	6.3	JR-0507-0	0	28	C	----	DIODE NO. 2. USE ADAPTER SA-5, 1050-129.
6CW5	6.3	EV-2793-0	40	89	A	5500	
6CW7	6.3	EV-6907-0	26	87	A	4300	TRIODE NO. 1.
6CW7	6.3	EV-2301-0	26	87	A	4300	TRIODE NO. 2.
6DA5	6.3	EV-19X2-0	--	100	F	----	CONNECT A 1 MEGOHM RESISTOR FROM CAP LEAD TO LOCTAL TEST SOCKET PIN NO. 7. VARY BIAS TO VARY BEAM ANGLE. BIAS = VARY.
6DC8	6.3	EV-2613-9	13	78	A	2500	PENTODE SECTION.
6DC8	6.3	EV-0803-0	0	51	C	----	DIODE NO. 1.
6DC8	6.3	EV-0703-0	0	51	C	----	DIODE NO. 2.
6DG7	6.3	EV-2783-9	11	72	A	1900	
6DL4	6.3	EV-9802-0	19	89	A	6300	
6DL5	6.3	ET-1562-0	10	84	A	3600	
6DR8	6.3	EV-2163-9	0	53	C	----	PENTODE SECTION.
6DR8	6.3	EV-0803-0	0	43	C	----	DIODE NO. 1.
6DR8	6.3	EV-0703-0	0	43	C	----	DIODE NO. 2.
6DS8	6.3	EV-7163-2	0	0	C	----	HEPTODE SECTION. OK ABOVE 1100 ON 3000 SCALE.
6DS8	6.3	EV-9803-0	0	49	C	----	TRIODE SECTION. OK ABOVE 1500 ON 3000 SCALE.
6DX8	6.3	EV-8697-0	10	90	A	6000	PENTODE SECTION.
6DX8	6.3	EV-1203-0	18	73	A	2100	TRIODE SECTION.
6EC4	6.3	EV-070X-0	0	85	C	----	USE ADAPTER SA-8, 1050-168.
6ED4	6.3	EV-0801-X	0	45	C	----	USE ADAPTER SA-8, 1050-168.
6ES6	6.3	ET-7652-1	0	68	C	----	
6ET6	6.3	ET-1652-7	0	73	C	----	
6F12	6.3	ET-1572-6	11	81	A	3000	
6F13	6.3	JR-6257-4	12	86	A	4000	USE ADAPTER SA-5, 1050-129.
6F14	6.3	JR-6257-4	10	87	A	3900	USE ADAPTER SA-5, 1050-129.
6F16	6.3	JR-6257-0	20	65	A	1500	USE ADAPTER SA-5, 1050-129.
6F17	6.3	JR-6257-0	20	65	A	1500	USE ADAPTER SA-5, 1050-129.
6F19	6.3	EV-2781-9	12	81	A	3000	
6F21	6.3	ET-1572-6	12	65	A	1500	
6F22	6.3	EV-9613-8	11	65	A	1500	
6F26	6.3	EV-2781-9	12	81	A	3000	
6F29	6.3	EV-2781-9	15	87	A	3300	
6F30	6.3	EV-2781-9	10	87	A	2000	
6F33	6.3	ET-1572-6	11	65	A	1500	
6FC7	6.3	EV-6908-0	24	90	A	5500	TRIODE NO. 1.
6FC7	6.3	EV-2301-0	24	90	A	5500	TRIODE NO. 2.
6FG6	6.3	EV-1603-0	47	0	A	----	SOLID BAR. (SEE BELOW)
6FG6	6.3	EV-1603-0	0	0	A	----	SPLIT BAR. JUMPER NOVAL SOCKET PINS 7 AND 9. CONNECT A 470 K OHMS 1/2 WATT, 10% RESISTOR FROM THIS JUMPER TO PIN 6.
6FY5	6.3	ET-2501-6	19	90	A	5750	
6GA4	6.3	HS-1308-0	27	91	A	8000	
6G-B3	12.6	HS-5X48-0	47	94	A	10800	
6GB5	6.3	EV-2X78-0	64	89	A	5000	USE ADAPTER SA-8, 1050-168.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6GB8	6.3	HS-5348-0	23	91	A	7000	PENTODE SECTION. TRIODE SECTION. TRIODE NO. 1. OK ABOVE DIODES OK. TRIODE NO. 2. OK ABOVE DIODES OK.
6GJ7	6.3	EV-2671-0	11	86	A	3500	
6GJ7	6.3	EV-9803-0	30	90	A	4250	
6GM8	6.3	EV-7608-0	19	70	C	----	
6GM8	6.3	EV-2103-0	19	70	C	----	
6GS7	6.3	EV-9678-0	10	85	A	3500	
6GS7	6.3	EV-1203-0	31	85	A	3750	
6GV7	6.3	EV-7328-0	13	85	A	3600	
6GV7	6.3	EV-9108-0	30	86	A	4000	
6GV8	6.3	EV-9678-0	28	91	A	6500	
6GV8	6.3	EV-2103-0	22	78	A	2200	
6GW8	6.3	EV-8637-0	10	89	A	5500	
6GW8	6.3	EV-1902-0	10	45	A	950	
6GX8	6.3	EV-8709-3	--	0	A	----	
6GX8	6.3	EV-0203-0	0	20	C	----	
6HA5	6.3	ET-1507-6	20	87	A	4600	
6HG8	6.3	EV-2893-0	9	85	A	4000	
6HG8	6.3	EV-6703-0	25	89	A	5000	
6HK8	6.3	EV-7608-9	20	85	A	4000	
6HK8	6.3	FV-2103-9	20	85	A	4000	
6HU6	6.3	EV-1603-0	26	--	A	----	SOLID BAR (SEE BELOW) SPLIT BAR (SEE BELOW) * PLACE A JUMPER BETWEEN PINS 7 & 9 OF THE 9-PIN MINIATURE SOCKET. CONNECT A 100K OHM, 1/2 WATT RESISTOR FROM THE JUMPER TO PIN 6 OF THE 9-PIN SOCKET.
6HU6	6.3	EV-1603-0	0	--	A	----	
6HU8	6.3	EV-2317-0	13	88	A	4700	PENTODE NO. 1.
6HU8	6.3	EV-6897-0	13	88	A	4700	PENTODE NO. 2.
6JW8	6.3	EV-2637-0	17	87	A	2200	PENTODE SECTION.
6JW8	6.3	EV-9108-0	19	66	A	1600	TRIODE SECTION.
6JX8	6.3	EV-2673-1	11	60	B	1200	HEPTODE SECTION.
6JX8	6.3	EV-9803-0	20	71	A	1700	TRIODE SECTION.
6KG6	6.3	EV-1X39-2	78	87	A	4200	USE ADAPTER SA-8, 1050-168.
6KH8	6.3	EV-2397-0	10	88	A	4500	PENTODE NO. 1. NOTE 4# 6-, 7+.
6KH8	6.3	EV-6897-0	10	88	A	4500	PENTODE NO. 2. NOTE 4# 2-, 7+.
6KH8	6.3	EV-2107-0	25	0	A	250	TRIODE SECTION. OK ABOVE 350 ON 3000 SCALE.
6KN8	6.3	FV-2103-0	22	90	A	6000	TRIODE NO. 1.
6KN8	6.3	EV-7608-0	22	90	A	6000	TRIODE NO. 2.
6KW6	6.3	EV-1637-0	45	87	A	4200	USE ADAPTER SA-8, 1050-168.
6L12	6.3	EV-7608-9	14	84	A	3600	TRIODE NO. 1.
6L12	6.3	EV-2103-9	11	81	A	3000	TRIODE NO. 2.
6L13	12.6	EV-7608-0	12	58	A	1250	TRIODE NO. 1.
6L13	12.6	EV-2103-0	12	58	A	1250	TRIODE NO. 2.
6L34	6.3	ET-1702-0	11	85	A	4000	
6LD3	6.3	JR-3207-0	11	62	A	1400	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
6LD3	6.3	JR-0607-0	0	28	C	----	DIODE NO. 1.
6LD3	6.3	JR-0507-0	0	28	C	----	DIODE NO. 2.
6LD12	6.3	EV-8907-6	11	56	A	1200	TRIODE SECTION.
6LD12	6.3	EV-0607-1	0	26	C	----	DIODE NO. 1.
6LD12	6.3	EV-0203-7	0	77	C	----	DIODE NO. 2.
6LD12	6.3	EV-0107-8	0	77	C	----	DIODE NO. 3.
6LD13	6.3	EV-2103-0	11	62	A	1400	TRIODE SECTION.
6LD13	6.3	EV-0603-0	0	28	C	----	DIODE NO. 1.
6LD13	6.3	EV-0803-0	0	28	C	----	DIODE NO. 2.
6LN8	6.3	EV-2637-1	12	81	A	3000	PENTODE SECTION.
6LN8	6.3	EV-9108-6	26	85	A	4000	TRIODE SECTION.
6LX8	6.3	EV-2637-0	17	87	A	2200	PENTODE SECTION.
6LX8	6.3	EV-9108-0	19	66	A	1600	TRIODE SECTION.
6M5	6.3	EV-2713-0	10	90	A	6000	

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6MG8	6.3	FV-2637-0	10	81	A	3000	PENTODE SECTION.
6MG8	6.3	FV-9108-0	10	88	A	5000	TRIODE SECTION.
6M-HH3	6.3	FT-6107-0	19	90	A	5200	TRIODE NO. 1.
6M-HH3	6.3	ET-5207-0	19	90	A	5200	TRIODE NO. 2.
6N3	6.3	EV-0903-0	0	85	C	----	
6N-H10	6.3	DR-4208-0	18	58	A	2700	USE ADAPTER SA-3, 1050-127 OR CA-4, 1050-135
6N-H10	6.3	13-4208-0	18	58	A	2700	USE FOR MODEL 6000A.
6N-L7	6.3	DR-4208-0	67	40	A	1050	USE ADAPTER SA-3, 1050-127 OR CA-4, 1050-135
6N-L7	6.3	13-4208-0	67	40	A	1050	USE FOR MODEL 6000A.
6P-L12	6.3	EV-3672-0	24	86	A	4300	PENTODE SECTION.
6P-L12	6.3	EV-1908-0	11	71	A	1900	TRIODE SECTION.
6R3	6.3	EV-090X-0	0	90	D	----	
6R-HH2	6.3	EV-7608-9	20	85	A	4000	TRIODE NO. 1.
6R-HH2	6.3	FV-2103-9	20	85	A	4000	TRIODE NO. 2.
6R-HH8	6.3	FV-2103-0	22	90	A	6000	TRIODE NO. 1.
6R-HH8	6.3	EV-7608-0	22	90	A	6000	TRIODE NO. 2.
6R-K19	6.3	EV-090X-0	0	91	C	----	
6R-P15	6.3	EV-1793-0	10	90	A	6500	
6R-P22	6.3	EV-2631-7	8	87	A	4200	
6S2,A	6.3	ES-0X00-0	0	85	F	----	OK ABOVE DIODES OK.
6U9	6.3	FW-3782-4	10	83	A	3300	PENTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005#
6U9	6.3	FW-X901-0	29	81	A	3000	USE SA-11 & CA-4. NOTE 3.
6V9	6.3	FW-3741-2	10	48	B	1000	TRIODE SECTION. HEPTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005#
6V9	6.3	FW-8X09-0	22	81	A	3000	USE SA-11 & CA-4. NOTE 3.
6X6	6.3	HS-5408-6	100	100	F	----	TRIODE SECTION. EYE OPEN.
6X6	6.3	HS-5438-6	100	100	F	----	EYE CLOSED.
6X9	6.3	FW-3782-4	10	84	A	3600	PENTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005#
6X9	6.3	FW-X901-0	12	81	A	3000	USE SA-11 & CA-4. NOTE 3.
6Y9	6.3	FW-8X97-0	13	88	A	5000	TRIODE SECTION. PENTODE NO. 1. USE ADAPTER SA-11, 1050-177. MODEL 6000, 6005#
6Y9	6.3	FW-1432-0	13	83	A	3300	USE SA-11 & CA-4. NOTE 3. PENTODE NO. 2.
7AN7	7.5	EV-6907-0	26	87	A	4300	TRIODE NO. 1.
7AN7	7.5	EV-2301-0	26	87	A	4300	TRIODE NO. 2.
7D9	6.3	ET-1572-0	20	79	A	2600	
7ES8	7.5	EV-7608-0	22	92	A	7500	TRIODE NO. 1.
7ES8	7.5	FV-2103-0	22	92	A	7500	TRIODE NO. 2.
7F16	6.3	JR-6257-0	20	65	A	1500	USE ADAPTER SA-5, 1050-129.
7FC7	7.5	EV-6908-0	24	90	A	5500	TRIODE NO. 1.
7FC7	7.5	EV-2301-0	24	90	A	5500	TRIODE NO. 2.
7GS7	7.5	EV-9678-0	10	85	A	3500	PENTODE SECTION.
7GS7	7.5	EV-1203-0	31	85	A	3750	TRIODE SECTION.
7GV7	7.5	EV-7328-0	13	85	A	3600	PENTODE SECTION.
7GV7	7.5	EV-9108-0	30	86	A	4000	TRIODE SECTION.
7HG8	7.5	EV-2893-0	9	85	A	4000	PENTODE SECTION.
7HG8	7.5	EV-6703-0	25	89	A	5000	TRIODE SECTION.
8A8	10.0	EV-2637-1	12	81	A	3000	PENTODE SECTION.
8A8	10.0	EV-9108-6	26	85	A	4000	TRIODE SECTION.
8B8	7.5	EV-3672-0	24	86	A	4300	PENTODE SECTION.
8B8	7.5	EV-1908-0	11	71	A	1900	TRIODE SECTION.
8CW5	7.5	FV-2793-0	40	89	A	5500	
8D3	6.3	ET-1572-6	11	81	A	3000	
8D5	6.3	EV-2783-9	19	58	A	1250	
8D6	6.3	EV-2781-9	10	86	A	4200	
8D7	6.3	EV-X783-9	19	58	A	1250	
8D8	6.3	EV-9613-8	11	65	A	1500	
8DX8	7.5	EV-8697-0	10	90	A	6000	PENTODE SECTION.
8DX8	7.5	EV-1203-0	18	73	A	2100	TRIODE SECTION.



TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
8GJ7	7.5	EV-2671-0	11	86	A	3500	PENTODE SECTION.
8GJ7	7.5	EV-9803-0	30	90	A	4250	TRIODE SECTION.
8LS6	7.5	EV-2781-3	10	87	A	4800	
8U9	7.5	FW-3782-4	10	83	A	3300	PENTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
8U9	7.5	FW-X901-0	29	81	A	3000	TRIODE SECTION.
8X9	7.5	FW-3782-4	10	84	A	3600	PENTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
8X9	7.5	FW-X901-0	12	81	A	3000	TRIODE SECTION.
9A8	10.0	EV-2637-1	12	81	A	3000	PENTODE SECTION.
9A8	10.0	EV-9108-6	26	85	A	4000	TRIODE SECTION.
9AB4	10.0	ET-6107-0	11	81	A	3000	
9AK8	10.0	EV-8907-6	11	56	A	1200	TRIODE SECTION.
9AK8	10.0	EV-0607-1	0	26	C	----	DIODE NO. 1.
9AK8	10.0	EV-0203-7	0	77	C	----	DIODE NO. 2.
9AK8	10.0	EV-0107-8	0	77	C	----	DIODE NO. 3.
9AQ8	10.0	EV-7608-9	14	84	A	3600	TRIODE NO. 1.
9AQ8	10.0	EV-2103-9	11	81	A	3000	TRIODE NO. 2.
9BR8	10.0	EV-9678-0	11	73	A	2000	PENTODE SECTION.
9BR8	10.0	EV-1203-0	12	90	A	6200	TRIODE SECTION.
9BW6	10.0	EV-2783-9	11	86	A	4100	
9CG8A	10.0	EV-9678-0	12	81	A	3000	PENTODE SECTION.
9CG8A	10.0	EV-1203-0	20	84	A	3500	TRIODE SECTION.
9D6	6.3	ET-1572-6	12	65	A	1500	
9ED4	7.5	FV-0801-X	0	45	C	----	USE ADAPTER SA-8, 1050-168.
9GH8A	10.0	EV-2637-0	11	82	A	3000	PENTODE SECTION.
9GH8A	10.0	EV-9108-0	21	85	A	3900	TRIODE SECTION.
9GV8	10.0	EV-9678-0	28	91	A	6500	PENTODE SECTION.
9GV8	10.0	EV-2103-0	22	78	A	2200	TRIODE SECTION.
9J6	10.0	ET-5207-0	21	81	A	3000	TRIODE NO. 1
9J6	10.0	ET-6107-0	21	81	A	3000	TRIODE NO. 2
9JW8	10.0	EV-2637-0	17	87	A	2200	PENTODE SECTION.
9JW8	10.0	EV-9108-0	19	66	A	1600	TRIODE SECTION.
9V9	10.0	FW-3741-2	10	48	B	1000	HEPTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
9V9	10.0	FW-8X09-0	22	81	A	3000	TRIODE SECTION.
10C14	20.0	EV-2613-7	11	65	A	1500	HEPTODE SECTION.
10C14	20.0	EV-9803-2	15	81	A	3000	TRIODE SECTION.
10CW5	10.0	EV-2793-0	40	89	A	5500	
10D2	20.0	ET-0701-6	0	78	C	----	DIODE NO. 1.
10D2	20.0	ET-0205-6	0	78	C	----	DIODE NO. 2.
10DX8	10.0	EV-8697-0	10	90	A	6000	PENTODE SECTION.
10DX8	10.0	EV-1203-0	18	73	A	2100	TRIODE SECTION.
10FD12	20.0	EV-2613-9	13	78	A	2800	PENTODE SECTION.
10FD12	20.0	EV-0803-0	0	51	C	----	DIODE NO. 1.
10FD12	20.0	EV-0703-0	0	51	C	----	DIODE NO. 2.
10GV8	10.0	EV-9678-0	28	91	A	6500	PENTODE SECTION.
10GV8	10.0	EV-2103-0	22	78	A	2200	TRIODE SECTION.
10LD3	12.6	JR-3207-0	11	62	A	1400	TRIODE SECTION.
10LD3	12.6	JR-0607-0	0	28	C	----	DIODE NO. 1.
10LD3	12.6	JR-0507-0	0	28	C	----	DIODE NO. 2. USE ADAPTER SA-5, 1050-129.
10LD12	25.0	EV-8907-0	11	56	A	1200	TRIODE SECTION.
10LD12	25.0	EV-0607-0	0	26	C	----	DIODE NO. 1.
10LD12	25.0	EV-0203-0	0	77	C	----	DIODE NO. 2.
10LD12	25.0	EV-0107-0	0	77	C	----	DIODE NO. 3.
10LD13	12.6	EV-2103-0	11	62	A	1400	TRIODE SECTION.
10LD13	12.6	EV-0603-0	0	28	C	----	DIODE NO. 1.
10LD13	12.6	EV-0803-0	0	28	C	----	DIODE NO. 2.
10LD14	25.0	EV-7608-9	11	81	A	3000	TRIODE NO. 1.
10LD14	25.0	EV-2103-9	11	81	A	3000	TRIODE NO. 2.
10P18	50.0	EV-2793-0	40	89	A	5500	

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
10PL12	50.0	EV-3672-0	24	86	A	4300	PENTODE SECTION.
10PL12	50.0	EV-1908-0	11	71	A	1900	TRIODE SECTION.
11B8	10.0	EV-3672-0	24	86	A	4300	PENTODE SECTION.
11B8	10.0	EV-1908-0	11	71	A	1900	TRIODE SECTION.
11R3	10.0	EV-090X-0	0	90	D	----	
11Y9	10.0	FW-8X97-0	13	88	A	5000	PENTODE NO. 1. USE ADAPTER SA-11, 1050-177. MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
11Y9	10.0	FW-1432-0	13	83	A	3300	PENTODE NO. 2.
12AC5	12.6	JR-6257-0	20	65	A	1500	USE ADAPTER SA-5, 1050-129.
12AJ7	12.6	EV-2613-7	11	65	A	1500	HEPTODE SECTION.
12AJ7	12.6	EV-9803-2	15	81	A	3000	TRIODE SECTION.
12B-B14	12.6	EV-1X63-0	57	89	A	4400	USE ADAPTER SA-8, 1050-168.
12BR3	12.6	EV-090X-0	0	91	C	----	
12BX6	12.6	EV-2781-9	10	86	A	4200	
12DA6	12.6	EV-2783-9	13	78	A	2500	
12DW4A	12.6	EV-0209-0	0	89	D	----	USE ADAPTER SA-4, 1050-144 OR CA-4, 1050-135. MODEL 6000A# NO ADAPTER REQUIRED.
12FQ7	12.6	EV-7608-0	23	79	A	2600	TRIODE NO. 1.
12FQ7	12.6	EV-2103-0	23	79	A	2600	TRIODE NO. 2.
12GB3	12.6	HS-5X48-0	47	94	A	10800	
12G-K17	12.6	HY-0503-0	0	92	D	----	OK ABOVE DIODES OK.
12HU8	12.6	EV-2317-0	13	88	A	4700	PENTODE NO. 1.
12HU8	12.6	EV-6897-0	13	88	A	4700	PENTODE NO. 2.
12R-K19	12.6	EV-090X-0	0	91	C	----	
12S7	12.6	JR-6257-4	25	56	A	1200	PENTODE SECTION.
12S7	12.6	JR-0307-0	0	61	C	----	DIODE SECTION. USE ADAPTER SA-5, 1050-129.
13CM5	12.6	HS-5X48-0	38	91	A	7500	
13D1	25.0	HY-4506-0	23	79	A	2600	TRIODE NO. 1.
13D1	25.0	HY-1203-0	23	79	A	2600	TRIODE NO. 2.
13D2	6.3	HY-4506-0	23	79	A	2600	TRIODE NO. 1.
13D2	6.3	HY-1203-0	23	79	A	2600	TRIODE NO. 2.
13GB5	12.6	EV-2X78-0	64	89	A	5000	USE ADAPTER SA-8, 1050-168.
14GW8	12.6	EV-8637-0	10	89	A	5500	PENTODE SECTION.
14GW8	12.6	EV-1902-0	10	45	A	950	TRIODE SECTION.
14K7	12.6	JR-6257-4	23	48	A	1000	HEPTODE SECTION.
14K7	12.6	JR-4307-6	27	65	A	1500	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
14L7	12.6	JR-3207-0	11	62	A	1400	TRIODE SECTION.
14L7	12.6	JR-0607-0	0	28	C	----	DIODE NO. 1.
14L7	12.6	JR-0507-0	0	28	C	----	DIODE NO. 2. USE ADAPTER SA-5, 1050-129.
15CW5	17.0	EV-2793-0	42	88	A	5000	MAKE 'LINE TEST' AT 1400 ON 3000 SCALE.
15DQ8	17.0	EV-8697-0	10	90	A	6000	PENTODE SECTION.
15DQ8	17.0	EV-1203-0	18	73	A	2100	TRIODE SECTION.
16A5	17.0	EV-2793-0	20	88	A	5000	
16A8	17.0	EV-3672-0	26	88	A	5000	PENTODE SECTION.
16A8	17.0	EV-1908-0	12	66	A	1550	TRIODE SECTION.
16AQ3	17.0	EV-090X-0	0	93	D	----	
16LU8A	17.0	B3-6489-0	40	87	A	4000	PENTODE SECTION. MODELS 6000, 6005# USE ADAPTER CA-4. NOTE 7
16LU8A	17.0	B3-X20A-0	24	62	A	1400	TRIODE SECTION
16Y9	17.0	FW-8X97-0	13	88	A	5000	PENTODE NO. 1. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
16Y9	17.0	FW-1432-0	13	83	A	3300	PENTODE NO. 2.
17A8	17.0	EV-2637-1	12	81	A	3000	PENTODE SECTION.
17A8	17.0	EV-9108-6	26	85	A	4000	TRIODE SECTION.
17AB9	17.0	FW-978X-0	15	81	A	3000	TETRODE NO. 1. USE ADAPTER SA-11, 1050-177. MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
17AB9	17.0	FW-3124-0	15	81	A	3000	TETRODE NO. 2.
17B-B14	17.0	EV-1X63-0	57	89	A	4400	USE ADAPTER SA-8, 1050-168.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
17BR3	17.0	EV-090X-0	0	91	C	----	PENTODE SECTION. DIODE NO. 1.
17C8	17.0	EV-2613-9	10	75	A	2200	
17C8	17.0	EV-0703-0	0	25	C	----	
17C8	17.0	EV-0803-0	0	25	C	----	DIODE NO. 2. USE ADAPTER SA-4, 1050-144 OR CA-4, 1050-135. MODEL 6000A# NO ADAPTER REQUIRED.
17DW4A	17.0	EV-0209-0	0	89	D	----	
17EW8	17.0	EV-7608-0	14	86	A	4200	TRIODE NO. 1. TRIODE NO. 2. USE ADAPTER SA-8, 1050-168.
17EW8	17.0	EV-2103-0	14	86	A	4200	
17KW6	17.0	EV-1637-0	45	87	A	4200	
17R-K19	17.0	EV-090X-0	0	91	C	----	USE ADAPTER SA-8, 1050-168.
17Z3	17.0	EV-090X-0	0	90	D	----	
18GB5	17.0	EV-2X78-0	64	89	A	5000	PENTODE SECTION. TRIODE SECTION.
18GV8	17.0	EV-9678-0	28	91	A	6500	
18GV8	17.0	EV-2103-0	22	78	A	2200	
18J6	17.0	ET-5207-0	21	81	A	3000	TRIODE NO. 1. TRIODE NO. 2.
18J6	17.0	ET-6107-0	21	81	A	3000	
19AJ8	20.0	EV-2613-7	11	65	A	1500	HEPTODE SECTION.
19AJ8	20.0	EV-9803-2	15	81	A	3000	TRIODE SECTION.
19AQ5	20.0	ET-1562-0	11	86	A	4100	
19BR5	20.0	EV-19X2-0		100	F	----	CONNECT A 1 MEGOHM RESISTOR FROM CAP LEAD TO LOCTAL TEST SOCKET PIN NO. 7. VARY BIAS TO VARY BEAM ANGLE. BIAS = VARY.
19BX6	20.0	EV-2781-9	10	86	A	4200	HEPTODE SECTION. TRIODE SECTION.
19BY7	20.0	EV-2781-9	12	81	A	3000	
19D8	20.0	EV-2613-7	11	65	A	1500	
19D8	20.0	EV-9803-2	15	81	A	3000	
19EW7	20.0	EV-7608-0	31	75	A	2000	TRIODE NO. 1.
19EW7	20.0	EV-2109-0	54	91	A	7500	TRIODE NO. 2.
19FL8	20.0	EV-2613-9	13	78	A	2500	PENTODE SECTION.
19FL8	20.0	EV-0803-0	0	51	C	----	DIODE NO. 1.
19FL8	20.0	EV-0703-0	0	51	C	----	DIODE NO. 2.
19G3	4.3	HS-0X00-0	0	61	D	----	USE ADAPTER SA-8, 1050-168. STRIKES AT ABOUT 24. NOTE 2.
19KF6	20.0	EV-7963-2	64	91	A	6500	
20A3	6.3	ET-1602-5	--	94	F	----	
20AQ3	20.0	EV-090X-0	0	93	D	----	USE ADAPTER SA-8, 1050-168.
21KQ6	20.0	EV-8X39-2	65	87	A	4800	
23JS6A	25.0	B3-5632-4	53	88	A	4300	CONNECT JUMPER FROM TUBE CAP TO PIN 6 OF OCTAL SOCKET. NOTE 3. USE ADAPTER SA-8, 1050-168.
25B-B14	25.0	EV-1X63-0	57	89	A	4400	USE ADAPTER SA-8, 1050-168.
25BR3	25.0	EV-090X-0	0	91	C	----	
25E5	25.0	HS-5X48-0	38	91	A	7500	
25R-K19	25.0	EV-090X-0	0	91	C	----	
26AQ8	25.0	EV-7608-9	11	81	A	3000	
26AQ8	25.0	EV-2103-9	11	81	A	3000	TRIODE NO. 2.
27GB5	25.0	EV-2X78-0	64	89	A	5000	USE ADAPTER SA-8, 1050-168.
27KG6	25.0	EV-1X39-2	78	87	A	4200	USE ADAPTER SA-8, 1050-168.
28AK8	25.0	EV-8907-0	11	56	A	1200	TRIODE SECTION.
28AK8	25.0	EV-0607-0	0	26	C	----	DIODE NO. 1.
28AK8	25.0	EV-0203-0	0	77	C	----	DIODE NO. 2.
28AK8	25.0	EV-0107-0	0	77	C	----	DIODE NO. 3.
28EC4	25.0	EV-070X-0	0	85	C	----	USE ADAPTER SA-8, 1050-168.
29KQ6	25.0	EV-8X39-2	65	87	A	4800	USE ADAPTER SA-8, 1050-168.
30A5	35.0	KT-2761-0	40	89	A	5500	BEFORE PLACING TUBE IN SOCKET, JUMPER A 33-OHM, 2 WATT RESISTOR BETWEEN PINS 4 AND 9 OF 9 PIN MIN. SOCKET. (COUNTING COUNTER- CLOCKWISE) THEN PROCEED WITH TEST.
30AE3	25.0	EV-090X-0	0	93	D	----	PENTODE SECTION TRIODE SECTION TRIODE NO. 1.
30C1	10.0	EV-2637-1	12	81	A	3000	
30C1	10.0	EV-9108-6	26	85	A	4000	
30C1	10.0	EV-6907-0	26	87	A	4300	
30L1	7.5	EV-6907-0	26	87	A	4300	

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
30L1	7.5	EV-2301-1	26	87	A	4300	TRIODE NO. 2.
31A3	35.0	BY-0207-0	0	72	C	----	MAKE 'LINE TEST' AT 1300 ON 3000 SCALE.
31AV3	35.0	EV-0903-0	0	91	D	----	USE ADAPTER SA-5, 1050-129.
32A8	35.0	EV-3672-0	24	86	A	4300	PENTODE SECTION
32A8	35.0	EV-1908-0	11	71	A	1900	TRIODE SECTION
34R3	35.0	EV-090X-0	0	90	D	----	
35D5	35.0	EV-1623-0	23	87	A	4500	
38A3	35.0	EV-0903-0	0	91	D	----	
40K66	35.0	EV-1X39-2	78	87	A	4200	USE ADAPTER SA-8, 1050-168.
42EC4	50.0	EV-070X-0	0	85	C	----	USE ADAPTER SA-8, 1050-168.
45A5	50.0	JR-6257-0	10	90	A	6000	USE ADAPTER SA-5, 1050-129.
45B5	50.0	EV-2793-0	40	89	A	5500	
50BM8	50.0	EV-3672-0	24	86	A	4300	PENTODE SECTION.
50BM8	50.0	EV-1908-0	11	71	A	1900	TRIODE SECTION.
50E5	50.0	HS-5X48-0	38	91	A	7500	
50JY6	50.0	HS-5X48-3	50	88	A	5000	
5894	12.6	HR-2X34-0	15	88	A	3900	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 THE OCTAL SOCKET.
5894	12.6	HR-6X34-0	15	88	A	3900	PLATE NO. 2. NOTE 4# 2-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
5911	0.6	DV-4210-0	13	0	C	----	OK ABOVE 200 ON 3000 SCALE.
5913	1.1	DV-4210-0	13	0	C	----	OK ABOVE 500 ON 3000 SCALE.
5920	6.3	ET-5207-0	28	85	A	3600	TRIODE NO. 1.
5920	6.3	ET-6107-0	28	85	A	3600	TRIODE NO. 2.
6042	25.0	HY-4506-0	23	79	A	2600	TRIODE NO. 1.
6042	25.0	HY-1203-0	23	79	A	2600	TRIODE NO. 2.
6057	12.6	EV-7608-0	12	58	A	1250	TRIODE NO. 1.
6057	12.6	EV-2103-0	12	58	A	1250	TRIODE NO. 2.
6059	6.3	EV-2783-9	19	58	A	1250	
6060	12.6	EV-7608-0	11	81	A	3000	TRIODE NO. 1.
6060	12.6	EV-2103-0	11	81	A	3000	TRIODE NO. 2.
6061	6.3	EV-2783-9	11	86	A	4100	
6063	6.3	ET-0607-1	0	40	D	----	PLATE NO. 1.
6063	6.3	ET-0107-6	0	40	D	----	PLATE NO. 2.
6064	6.3	ET-1572-6	11	81	A	3000	
6065	6.3	ET-1572-6	12	65	A	1500	
6066	6.3	ET-1702-0	10	60	A	1300	TRIODE SECTION.
6066	6.3	ET-0602-0	0	26	C	----	DIODE NO. 1.
6066	6.3	ET-0502-0	0	26	C	----	DIODE NO. 2.
6067	12.6	EV-7608-0	24	75	A	2200	TRIODE NO. 1.
6067	12.6	EV-2103-0	24	75	A	2200	TRIODE NO. 2.
6118	6.3	HS-X308-1	17	35	A	800	TRIODE SECTION.
6118	6.3	HS-0508-0	0	27	C	----	DIODE NO. 1.
6118	6.3	HS-0408-0	0	27	C	----	DIODE NO. 2.
6132	6.3	EV-2783-9	11	90	A	6000	
6227	6.3	EV-2783-9	14	88	A	5250	
6252	12.6	HR-2X34-0	39	78	A	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.
6252	12.6	HR-6X34-0	39	78	A	2500	TETRODE NO. 2. USE ADAPTER SA-6, 1050-107. NOTE 4# 2-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
6267	6.3	EV-9613-8	11	65	A	1500	
6360	12.6	EV-3872-0	20	83	A	3300	TETRODE NO. 1. NOTE 4# 1-, 2+.
6360	12.6	EV-1672-0	20	83	A	3300	TETRODE NO. 2. NOTE 4# 3-, 2+.
6374	6.3	EV-0X03-0	0	80	D	----	
6375	1.1	EV-1800-0	22	81	A	3000	

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6516	6.3	ET-1572-0	20	79	A	2600	
6686	6.3	EV-2783-9	10	86	A	3700	
6687	6.3	ET-1562-7	11	42	B	900	GRID NO. 1.
6687	6.3	ET-7562-1	11	35	B	800	GRID NO. 3.
6688	6.3	EV-2791-8	11	81	A	3000	
6689	6.3	EV-2613-9	17	85	A	3600	
6761	6.3	EV-2173-0	25	89	A	6500	
6907	12.6	HR-2X34-0	39	78	A	2500	TETRODE NO. 1. USE ADAPTER SA-6, 1050-107. NOTE 4# 6-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET.
6907	12.6	HR-6X34-0	39	78	A	2500	TETRODE NO. 2. USE ADAPTER SA-6, 1050-107. NOTE 4# 2-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
6922	6.3	EV-7608-0	24	89	A	5500	TRIODE NO. 1.
6922	6.3	EV-2103-0	24	89	A	5500	TRIODE NO. 2.
6927	6.3	ET-5207-0	21	81	A	3000	TRIODE NO. 1.
6927	6.3	ET-6107-0	21	81	A	3000	TRIODE NO. 2.
6939	12.6	EV-3872-0	14	88	A	5000	TETRODE NO. 1. NOTE 4# 1-, 2+.
6939	12.6	EV-1672-0	14	88	A	5000	TETRODE NO. 2. NOTE 4# 3-, 2+.
7062	12.6	EV-7608-1	16	90	A	6500	TRIODE NO. 1.
7062	12.6	EV-2103-6	16	90	A	6500	TRIODE NO. 2.
7308	6.3	EV-7608-0	24	89	A	5500	TRIODE NO. 1.
7308	6.3	EV-2103-0	24	89	A	5500	TRIODE NO. 2.
7320	6.3	EV-2793-0	12	90	A	7500	
7534	6.3	HS-5X48-0	52	89	A	5500	
7643	6.3	EV-2637-1	12	81	A	3000	PFNTODE SECTION.
7643	6.3	EV-9108-6	26	85	A	4000	TRIODE SECTION.
7645	12.6	EV-3872-0	14	88	A	5000	TETRODE NO. 1. NOTE 4# 1-, 2+.
7645	12.6	EV-1672-0	14	88	A	5000	TETRODE NO. 2. NOTE 4# 3-, 2+.
7693	6.3	ET-1562-7	12	73	A	2000	
7694	6.3	ET-1562-7	11	72	A	1900	
7699	12.6	EV-3872-0	14	88	A	5000	TETRODE NO. 1. NOTE 4# 1-, 2+.
7699	12.6	EV-1672-0	14	88	A	5000	TETRODE NO. 2. NOTE 4# 3-, 2+.
7721	6.3	EV-2791-8	10	87	A	4500	
7737	6.3	EV-2791-8	11	81	A	3000	
7751	6.3	HS-5347-0	45	89	A	5000	
7788	6.3	EV-2793-8	18	89	A	5300	
7854	12.6	HR-6X34-0	15	88	A	3900	PLATE NO. 1. USE ADAPTER SA-6, 1050-107. NOTE 4# 2-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
7854	12.6	HR-2X34-0	15	88	A	3900	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.
8233	6.3	EV-8139-0	20	93	A	7000	USE ADAPTER SA-8, 1050-168.
8255	6.3	EV-9802-0	19	89	A	6300	
8278	6.3	EV-3986-0	30	94	A	8500	USE ADAPTER SA-8, 1050-168.
8348	1.4	EV-1670-3	10	78	A	2500	TETRODE NO. 1.
8348	1.4	EV-3870-1	10	78	A	2500	TETRODE NO. 2.
8416	12.6	EV-7608-0	24	89	A	5500	TRIODE NO. 1.
8416	12.6	EV-2103-0	24	89	A	5500	TRIODE NO. 2.
8457	12.6	EV-3872-0	20	83	A	3300	TETRODE NO. 1 NOTE 8#1-, 2+
8457	12.6	EV-1672-0	20	83	A	3300	TETRODE NO. 2 NOTE 8#3-, 2+
8458	12.6	EV-3872-0	20	83	A	3300	TETRODE NO. 1. NOTE 4# 1-, 2+.
8458	12.6	EV-1672-0	20	83	A	3300	TETRODE NO. 2. NOTE 4# 3-, 2+.
8509	2.0	BU-6X30-0	15	88	A	3900	PLATE NO. 1 USE ADAPTER SA-6, 1050-107. NOTE 8#2-, 4+ CONNECT PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET.
8509	2.0	BU-2X30-0	15	88	A	3900	PLATE NO. 2 NOTE 8#6-, 4+ CONNECT PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET
8556	6.3	EV-1802-0	17	93	A	9000	

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8562	6.3	EV-9802-0	19	89	A	6300	TETRODE NO. 1 NOTE 8#1-,2+ TETRODE NO. 2 NOTE 8#3-,2+ USE ADAPTER SA-8, 1050-168 TETRODE NO. 1. USE ADAPTER SA-8, 1050-168. NOTE 4# 3-, 2+.
8595	12.6	EV-3872-0	14	88	A	5000	
8595	12.6	EV-1672-0	14	88	A	5000	
8608	6.3	EV-8X39-2	20	92	A	11000	
8637	12.6	FZ-1672-0	34	87	A	4000	
8637	12.6	FZ-3872-0	34	87	A	4000	TETRODE NO. 2. NOTE 4# 1-, 2+.
18042	20.0	EV-2613-9	10	90	A	6500	TRIODE NO. 1. TRIODE NO. 2. 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 THE OCTAL SOCKET. PLATE NO. 2. NOTE 4# 2-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
18043	6.3	EV-2613-9	17	85	A	3600	
18045	20.0	EV-2783-9	10	86	A	3700	
18046	20.0	EV-2783-9	10	86	A	3700	
18048	20.0	JR-6247-3	17	81	A	3000	
A2900	12.6	EV-7608-0	11	81	A	3000	TRIODE NO. 1. TRIODE NO. 2. 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 THE OCTAL SOCKET. PLATE NO. 2. NOTE 4# 2-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
A2900	12.6	EV-2103-0	11	81	A	3000	
AX9903	12.6	HR-2X34-0	15	88	A	3900	
AX9903	12.6	HR-6X34-0	15	88	A	3900	
AX9910	12.6	HR-2X34-0	39	78	A	2500	
AX9910	12.6	HR-6X34-0	39	78	A	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. TETRODE NO. 2. NOTE 4# 2-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
AZ41	4.3	HY-0600-0	0	22	D	----	PLATE NO. 1.
AZ41	4.3	JX-0200-0	0	18	D	----	PLATE NO. 2. USE ADAPTER SA-5, 1050-129.
B36	12.6	HY-4506-0	23	79	A	2600	TRIODE NO. 1.
B36	12.6	HY-1203-0	23	79	A	2600	TRIODE NO. 2.
B65	6.3	HY-4506-0	23	79	A	2600	TRIODE NO. 1.
B65	6.3	HY-1203-0	23	79	A	2600	TRIODE NO. 2.
B109	25.0	EV-7608-9	11	81	A	3000	TRIODE NO. 1.
B109	25.0	EV-2103-9	11	81	A	3000	TRIODE NO. 2.
B152	12.6	EV-7608-0	11	81	A	3000	TRIODE NO. 1.
B152	12.6	EV-2103-0	11	81	A	3000	TRIODE NO. 2.
B309	12.6	EV-7608-0	11	81	A	3000	TRIODE NO. 1.
B309	12.6	EV-2103-0	11	81	A	3000	TRIODE NO. 2.
B319	7.5	EV-6907-0	26	87	A	4300	TRIODE NO. 1
B319	7.5	EV-2301-0	26	87	A	4300	TRIODE NO. 2
B329	12.6	EV-7608-0	24	75	A	2200	TRIODE NO. 1.
B329	12.6	EV-2103-0	24	75	A	2200	TRIODE NO. 2.
B339	12.6	EV-7608-0	12	58	A	1250	TRIODE NO. 1.
B339	12.6	EV-2103-0	12	58	A	1250	TRIODE NO. 2.
B719	6.3	EV-7608-9	11	81	A	3000	TRIODE NO. 1.
B719	6.3	EV-2103-9	11	81	A	3000	TRIODE NO. 2.
BPM04	6.3	ET-1562-0	11	86	A	4100	
C3G	6.3	JR-6345-2	10	87	A	4500	
C3M	20.0	JR-6247-3	17	81	A	3000	
CCA	6.3	EV-7608-0	24	89	A	5500	TRIODE NO. 1.
CCA	6.3	EV-2103-0	24	89	A	5500	TRIODE NO. 2.
D3A	6.3	EV-2791-8	10	87	A	4500	
D63	6.3	HS-0508-0	0	70	C	----	DIODE NO. 1.
D63	6.3	HS-0304-0	0	70	C	----	DIODE NO. 2.
D77	6.3	ET-0701-6	0	78	C	----	DIODE NO. 1.
D77	6.3	ET-0205-6	0	78	C	----	DIODE NO. 2.
D152	6.3	ET-0701-6	0	78	C	----	DIODE NO. 1.
D152	6.3	ET-0205-6	0	78	C	----	DIODE NO. 2.
DA90	1.4	HR-0203-0	0	0	C	----	DIODE
DAF91	1.4	BX-6540-0	11	0	B	500	PENTODE SECTION.
DAF91	1.4	HR-0300-0	0	0	C	----	DIODE SECTION.

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DAF92	1.4	BX-6230-0	11	0	B	500	PENTODE SECTION.
DAF92	1.4	BX-0400-0	0	0	C	----	DIODE SECTION.
DC70	1.1	EV-1800-0	22	81	A	3000	
DC90	1.4	BX-5200-0	36	42	A	850	
DCC90	3.0	HR-5600-0	35	73	A	2000	TRIODE NO. 1.
DCC90	3.0	BX-3200-0	35	73	A	2000	TRIODE NO. 2.
DCF60	1.1	EX-3120-6	29	0	F	----	PENTODE SECTION. OK ABOVE 500 ON 3000 SCALE.
DCF60	1.1	EX-5600-3	11	0	C	----	TRIODE SECTION. OK ABOVE 300 ON 3000 SCALE.
DD6	6.3	ET-0701-6	0	78	C	----	DIODE NO. 1.
DD6	6.3	ET-0205-6	0	78	C	----	DIODE NO. 2.
DDR7	6.3	ET-1572-0	20	79	A	2600	
DF33	1.4	HS-X340-0	11	31	A	750	
DF60	1.1	DV-4120-0	12	31	B	750	
DF62	1.1	DV-4120-0	17	62	B	1400	
DF67	0.6	DV-4210-0	13	0	C	----	OK ABOVE 200 ON 3000 SCALE.
DF91	1.4	BX-6230-0	11	21	B	650	
DF92	1.4	HR-6230-0	19	49	A	1025	
DF96	1.4	HR-6230-0	25	0	A	600	
DF904	1.4	BX-6230-0	14	42	A	900	
DH63	6.3	HS-X308-1	17	35	A	800	TRIODE SECTION.
DH63	6.3	HS-0508-0	0	27	C	----	DIODE NO. 1.
DH63	6.3	HS-0408-0	0	27	C	----	DIODE NO. 2.
DH77	6.3	ET-1702-0	10	60	A	1300	TRIODE SECTION.
DH77	6.3	ET-0602-0	0	26	C	----	DIODE NO. 1.
DH77	6.3	ET-0502-0	0	26	C	----	DIODE NO. 2.
DK32	1.4	HS-X340-5	11	0	B	500	PENTODE SECTION
DK32	1.4	HS-5643-X	24	0	B	450	OSC. SECTION OK ABOVE 275
DK91	1.4	BX-4306-0	55	53	A	1100	
DL33	2.5	HS-5340-0	34	70	A	1800	
DL35	1.4	HS-5340-0	35	62	A	1400	
DL36	1.4	HS-5340-0	42	75	A	2100	
DL63	6.3	HS-X308-1	22	72	A	1900	TRIODE SECTION
DL63	6.3	HS-0508-0	0	30	C	----	DIODE NO. 1
DL63	6.3	HS-0408-0	0	30	C	----	DIODE NO. 2
DL66	1.1	DV-4120-0	52	22	F	----	OK ABOVE DIODES OK.
DL67	1.1	DV-4210-0	13	0	C	----	OK ABOVE 500 ON 3000 SCALE.
DL91	1.4	BX-3240-0	29	65	B	1500	
DL92	2.5	HR-3240-0	24	65	B	1500	
DL93	2.5	BX-4230-0	36	67	A	1600	
DL94	3.0	HR-6230-0	35	68	A	1650	
DL95	3.0	HR-3240-0	15	75	A	2150	
DL96	2.5	BX-6230-0	41	56	A	1200	
DL98	2.5	EV-3710-0	50	69	A	1700	
DM70	1.4	EV-1800-0	--	--	F	----	ADJUST BIAS TO VARY BAR LENGTH. DO NOT ADJUST BIAS BELOW 25.
DM71	1.4	EV-1800-0	--	--	F	----	ADJUST BIAS TO VARY BAR LENGTH. DO NOT ADJUST BIAS BELOW 25.
DP61	6.3	ET-1562-0	24	65	A	1500	
DX296	12.6	FZ-1672-0	34	87	A	4000	TETRODE NO. 1. NOTE 3# 3-, 2+. USE ADAPTER SA-8, 1050-168.
DX296	12.6	FZ-3872-0	34	87	A	4000	TETRODE NO. 2. NOTE 3# 1-, 2+. USE ADAPTER SA-8, 1050-168.
DY30	1.1	HS-0X00-0	0	80	F	----	OK ABOVE DIODES OK.
DY51	1.4	CX-0X00-0	0	85	F	----	CONNECT FIL. LEADS TO OCTAL SOCKET PINS 2 AND 7. CONNECT SINGLE LEAD TO CAP.
DY80	1.1	BS-0X00-0	0	80	F	----	OK ABOVE DIODES OK.
DY86	1.4	ES-0X00-0	0	85	F	----	OK ABOVE DIODES OK.
DY87	1.4	ES-0X00-0	0	85	F	----	OK ABOVE DIODES OK.
DY802	1.4	BS-0X00-0	0	70	F	----	OK ABOVE DIODES OK
DX263	2.0	BU-6X30-0	15	88	A	3900	PLATE NO. 1 USE ADAPTER SA-6, 1050-107 NOTE 8#2-, 4+ CONNECT PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 6 OF THE OCTAL SOCKET.

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TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
DX263	2.0	BU-2X30-0	15	88	A	3900	PLATE NO. 2 NOTE 8#6-,4+ CONNECT PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
E55L	6.3	EV-8139-0	20	93	A	7000	USE ADAPTER SA-8, 1050-168.
E80CC	12.6	EV-7608-0	18	80	A	2700	TRIODE NO. 1.
E80CC	12.6	EV-2103-0	18	80	A	2700	TRIODE NO. 2.
E80CF	6.3	EV-2637-1	12	81	A	3000	PENTODE SECTION.
E80CF	6.3	EV-9108-6	26	85	A	4000	TRIODE SECTION.
E80F	6.3	EV-9613-8	18	71	A	1850	
E80L	6.3	EV-2783-9	14	88	A	5250	
E81CC	12.6	EV-7608-0	11	81	A	3000	TRIODE NO. 1.
E81CC	12.6	EV-2103-0	11	81	A	3000	TRIODE NO. 2.
E81L	6.3	EV-2783-9	10	86	A	3700	
E82CC	12.6	EV-7608-0	24	75	A	2200	TRIODE NO. 1.
E82CC	12.6	EV-2103-0	24	75	A	2200	TRIODE NO. 2.
E83CC	12.6	EV-7608-0	12	58	A	1250	TRIODE NO. 1.
E83CC	12.6	EV-2103-0	12	58	A	1250	TRIODE NO. 2.
E83F	6.3	EV-2613-9	17	85	A	3600	
E84L	6.3	EV-2793-0	12	90	A	7500	
E86C	6.3	EV-2103-0	20	88	A	4400	
E88C	6.3	EV-9802-0	19	89	A	6300	
E88CC	6.3	EV-7608-0	24	89	A	5500	TRIODE NO. 1.
E88CC	6.3	EV-2103-0	24	89	A	5500	TRIODE NO. 2.
E90CC	6.3	ET-5207-0	28	85	A	3600	TRIODE NO. 1.
E90CC	6.3	ET-6107-0	28	85	A	3600	TRIODE NO. 2.
E90F	6.3	ET-1562-7	12	73	A	2000	
E91AA	6.3	ET-0701-6	0	78	C	----	DIODE NO. 1.
E91AA	6.3	ET-0205-6	0	78	C	----	DIODE NO. 2.
E91H	6.3	ET-1562-7	11	42	B	900	GRID NO. 1.
E91H	6.3	ET-7562-1	11	35	B	800	GRID NO. 3.
E91N	6.3	ET-1602-5	--	94	F	----	STRIKES AT ABOUT 24. NOTE 2.
E92CC	6.3	ET-6107-0	16	88	A	5000	TRIODE NO. 1.
E92CC	6.3	ET-5207-0	16	88	A	5000	TRIODE NO. 2.
E95F	6.3	ET-1562-0	24	65	A	1500	
E99F	6.3	ET-1562-7	11	72	A	1900	
E130L	6.3	HS-5X48-0	52	89	A	5500	
E180CC	12.6	EV-7608-1	16	90	A	6500	TRIODE NO. 1.
E180CC	12.6	EV-2103-6	16	90	A	6500	TRIODE NO. 2.
E180F	6.3	FV-2791-8	11	81	A	3000	
E182CC	12.6	FV-7906-0	24	94	A	10000	TRIODE NO. 1.
E182CC	12.6	EV-2103-0	24	94	A	10000	TRIODE NO. 2.
F182F	6.3	DZ-1684-0	11	88	A	5000	
E186F	6.3	EV-2791-8	11	81	A	3000	
E188CC	6.3	FV-7608-0	24	89	A	5500	TRIODE NO. 1.
E188CC	6.3	EV-2103-0	24	89	A	5500	TRIODE NO. 2.
E235L	6.3	HS-5347-0	45	89	A	5000	
F283CC	6.3	EV-9801-7	19	20	A	500	TRIODE NO. 1.
E283CC	6.3	EV-2306-7	19	20	A	500	TRIODE NO. 2.
E810F	6.3	EV-2793-8	18	89	A	5300	
E2134	6.3	ET-1572-0	16	88	A	5000	
EA76	6.3	BU-0203-0	0	78	C	----	USE ADAPTER SA-1, 1050-94.
AAA91	6.3	ET-0701-6	0	78	C	----	DIODE NO. 1.
AAA91	6.3	ET-0205-6	0	78	C	----	DIODE NO. 2.
AAA901	6.3	ET-0701-6	0	78	C	----	DIODE NO. 1.
AAA901	6.3	ET-0205-6	0	78	C	----	DIODE NO. 2.
AAA901S	6.3	ET-0701-6	0	78	C	----	DIODE NO. 1.
AAA901S	6.3	ET-0205-6	0	78	C	----	DIODE NO. 2.
EABC80	6.3	FV-8907-0	11	56	A	1200	TRIODE SECTION.
EABC80	6.3	FV-0607-0	0	26	C	----	DIODE NO. 1.
EABC80	6.3	EV-0203-0	0	77	C	----	DIODE NO. 2.
EABC80	6.3	EV-0107-0	0	77	C	----	DIODE NO. 3.
EAF42	6.3	JR-6257-4	25	56	A	1200	PENTODE SECTION.
EAF42	6.3	JR-0307-0	0	61	C	----	DIODE SECTION. USE ADAPTER SA-5, 1050-129.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
FAM86	6.3	EV-8709-3	--	0	A	----	SHORT OCTAL TEST SOCKET PINS 1 & 6, CONNECT A 100K OHM, 1/2 WATT RESISTOR BETWEEN PINS 7 AND 1. VARY BIAS TO VARY PATTERN. BIAS = VARY.
FAM86	6.3	EV-0203-0	0	20	C	----	DIODE SECTION.
FB41	6.3	JR-0607-0	0	78	C	----	DIODE NO. 1.
EB41	6.3	JR-0403-0	0	78	C	----	DIODE NO. 2. USE ADAPTER SA-5, 1050-129.
EB91	6.3	ET-0701-6	0	78	C	----	DIODE NO. 1.
EB91	6.3	ET-0205-6	0	78	C	----	DIODE NO. 2.
EBC33	6.3	HS-X308-0	18	73	A	2000	TRIODE SECTION.
EBC33	6.3	HS-X508-0	18	69	C	----	DIODE NO. 1.
EBC33	6.3	HS-X408-0	18	69	C	----	DIODE NO. 2.
EBC41	6.3	JR-3207-0	11	62	A	1400	TRIODE SECTION.
EBC41	6.3	JR-0607-0	0	28	C	----	DIODE NO. 1.
EBC41	6.3	JR-0507-0	0	28	C	----	DIODE NO. 2. USE ADAPTER SA-5, 1050-129.
FBC81	6.3	EV-2103-0	11	62	A	1400	TRIODE SECTION.
EBC81	6.3	EV-0603-0	0	28	C	----	DIODE NO. 1.
EBC81	6.3	EV-0803-0	0	28	C	----	DIODE NO. 2.
FBC90	6.3	ET-1702-0	10	60	A	1300	TRIODE SECTION.
EBC90	6.3	ET-0602-0	0	26	C	----	DIODE NO. 1.
FRC90	6.3	ET-0502-0	0	26	C	----	DIODE NO. 2.
EBC91	6.3	ET-1702-5	12	58	A	1250	TRIODE SECTION.
EBC91	6.3	ET-0602-0	0	26	C	----	DIODE NO. 1.
EBC91	6.3	ET-0502-0	0	26	C	----	DIODE NO. 2.
EBF32	6.3	HS-X368-1	18	55	A	1150	PENTODE SECTION.
EBF32	6.3	HS-0508-0	0	24	C	----	DIODE NO. 1.
EBF32	6.3	HS-0408-0	0	24	C	----	DIODE NO. 2.
EBF80	6.3	EV-2613-9	10	75	A	2200	PENTODE SECTION.
EBF80	6.3	EV-0703-0	0	25	C	----	DIODE NO. 1.
EBF80	6.3	EV-0803-0	0	25	C	----	DIODE NO. 2.
EBF83	6.3	EV-2163-9	0	53	C	----	PENTODE SECTION.
EBF83	6.3	EV-0803-0	0	43	C	----	DIODE NO. 1.
EBF83	6.3	EV-0703-0	0	43	C	----	DIODE NO. 2.
EBF89	6.3	EV-2613-9	13	78	A	2500	PENTODE SECTION.
EBF89	6.3	EV-0803-0	0	51	C	----	DIODE NO. 1.
EBF89	6.3	EV-0703-0	0	51	C	----	DIODE NO. 2.
EC71	6.3	DW-1805-7	23	89	A	5500	USE ADAPTER SA-1, 1050-94.
EC80	6.3	EV-1903-0	13	88	A	5000	
EC81	6.3	EV-1803-0	24	85	A	4000	
EC84	6.3	JX-1502-0	21	91	A	7000	
FC86	6.3	EV-2103-0	20	88	A	4400	
EC88	6.3	EV-9802-0	19	89	A	6300	
EC90	6.3	ET-6107-0	25	75	A	2200	
FC91	6.3	ET-1702-0	11	85	A	4000	
FC92	6.3	ET-6107-0	11	81	A	3000	
EC94	6.3	ET-2105-0	36	85	A	4000	
EC95	6.3	ET-2567-0	10	89	A	5000	
EC97	6.3	ET-2501-6	19	90	A	5750	
ECR06S	6.3	EV-2103-0	20	88	A	4400	
EC900	6.3	ET-1507-6	20	87	A	4600	
FC8010	6.3	EV-1802-0	17	93	A	9000	
ECC33	6.3	HY-4506-0	11	82	A	3100	TRIODE NO. 1.
ECC33	6.3	HY-1203-0	11	82	A	3100	TRIODE NO. 2.
ECC35	6.3	HY-4506-2	11	48	A	1000	TRIODE NO. 1.
ECC35	6.3	HY-1203-5	11	48	A	1000	TRIODE NO. 2.
ECC40	6.3	JR-6507-0	17	81	A	2900	TRIODE NO. 1.
ECC40	6.3	JR-3204-0	17	81	A	2900	TRIODE NO. 2. USE ADAPTER SA-5, 1050-129.
FCC81	12.6	EV-7608-0	11	81	A	3000	TRIODE NO. 1.
ECC81	12.6	EV-2103-0	11	81	A	3000	TRIODE NO. 2.
FCC82	12.6	EV-7608-0	24	75	A	2200	TRIODE NO. 1.
ECC82	12.6	EV-2103-0	24	75	A	2200	TRIODE NO. 2.
ECC83	12.6	EV-7608-0	12	58	A	1250	TRIODE NO. 1.

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TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE HACK COVER
ECC83	12.6	EV-2103-0	12	58	A	1250	TRIODE NO. 2.
ECC84	6.3	EV-6907-0	26	87	A	4300	TRIODE NO. 1.
ECC84	6.3	EV-2301-0	26	87	A	4300	TRIODE NO. 2.
ECC85	6.3	EV-7608-9	11	81	A	3000	TRIODE NO. 1.
ECC85	6.3	EV-2103-9	11	81	A	3000	TRIODE NO. 2.
ECC86	6.3	EV-7608-0	19	70	C	----	TRIODE NO. 1. OK ABOVE DIODES OK.
ECC86	6.3	EV-2103-0	19	70	C	----	TRIODE NO. 2. OK ABOVE DIODES OK.
ECC88	6.3	EV-7608-0	22	92	A	7000	TRIODE NO. 1.
ECC88	6.3	EV-2103-0	22	92	A	7000	TRIODE NO. 2.
ECC89	6.3	EV-6908-0	24	90	A	5500	TRIODE NO. 1.
ECC89	6.3	EV-2301-0	24	90	A	5500	TRIODE NO. 2.
ECC91	6.3	ET-5207-0	21	81	A	3000	TRIODE NO. 1.
ECC91	6.3	ET-6107-0	21	81	A	3000	TRIODE NO. 2.
ECC180	6.3	EV-7608-9	13	90	A	6400	TRIODE NO. 1.
ECC180	6.3	EV-2103-9	13	90	A	6400	TRIODE NO. 2.
ECC186	12.6	EV-7608-0	24	75	A	2200	TRIODE NO. 1.
ECC186	12.6	EV-2103-0	24	75	A	2200	TRIODE NO. 2.
ECC189	6.3	EV-7608-0	22	92	A	7500	TRIODE NO. 1.
ECC189	6.3	EV-2103-0	22	92	A	7500	TRIODE NO. 2.
ECC230	7.5	HY-4506-2	100	83	A	3400	TRIODE NO. 1.
ECC230	7.5	HY-1203-5	100	83	A	3400	TRIODE NO. 2.
ECC801	12.6	EV-7608-0	11	81	A	3000	TRIODE NO. 1.
ECC801	12.6	EV-2103-0	11	81	A	3000	TRIODE NO. 2.
ECC801S	12.6	EV-7608-0	11	81	A	3000	TRIODE NO. 1.
ECC801S	12.6	EV-2103-0	11	81	A	3000	TRIODE NO. 2.
ECC802	12.6	EV-7608-0	24	75	A	2200	TRIODE NO. 1.
ECC802	12.6	EV-2103-0	24	75	A	2200	TRIODE NO. 2.
ECC802S	12.6	EV-7608-0	24	75	A	2200	TRIODE NO. 1.
ECC802S	12.6	EV-2103-0	24	75	A	2200	TRIODE NO. 2.
ECC803	12.6	EV-7608-0	12	58	A	1250	TRIODE NO. 1.
ECC803	12.6	EV-2103-0	12	58	A	1250	TRIODE NO. 2.
ECC803S	12.6	EV-7608-0	12	58	A	1250	TRIODE NO. 1.
ECC803S	12.6	EV-2103-0	12	58	A	1250	TRIODE NO. 2.
ECC960	6.3	ET-5207-0	28	85	A	3600	TRIODE NO. 1.
ECC960	6.3	ET-6107-0	28	85	A	3600	TRIODE NO. 2.
ECC962	6.3	ET-6107-0	16	88	A	5000	TRIODE NO. 1.
ECC962	6.3	ET-5207-0	16	88	A	5000	TRIODE NO. 2.
ECC2000	6.3	FW-8709-1	26	86	A	4000	TRIODE NO. 1. USE ADAPTER SA-11, 1050-177. MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
ECC2000	6.3	FW-3X02-1	26	86	A	4000	TRIODE NO. 2.
ECF80	6.3	EV-2637-1	12	81	A	3000	PENTODE SECTION.
ECF80	6.3	EV-9108-6	26	85	A	4000	TRIODE SECTION.
ECF82	6.3	EV-2637-0	11	73	A	2000	PENTODE SECTION.
ECF82	6.3	EV-9108-0	12	90	A	6200	TRIODE SECTION.
ECF83	6.3	EV-9678-0	10	67	B	1500	PENTODE SECTION.
ECF83	6.3	EV-2301-0	52	78	B	2000	TRIODE SECTION.
ECF86	6.3	EV-2893-0	9	85	A	4000	PENTODE SECTION.
ECF86	6.3	EV-6703-0	25	89	A	5000	TRIODE SECTION.
ECF200	6.3	FW-3782-4	10	84	A	3600	PENTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
ECF200	6.3	FW-X901-0	12	81	A	3000	TRIODE SECTION.
ECF201	6.3	FW-3782-4	10	83	A	3300	PENTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
ECF201	6.3	FW-X901-0	29	81	A	3000	TRIODE SECTION.
ECF801	6.3	EV-2671-0	11	86	A	3500	PENTODE SECTION.
ECF801	6.3	EV-9803-0	30	90	A	4250	TRIODE SECTION.
ECF802	6.3	EV-2637-0	17	87	A	2200	PENTODE SECTION.
ECF802	6.3	EV-9108-0	19	66	A	1600	TRIODE SECTION.
ECF804	6.3	EV-2637-0	16	83	A	2850	PENTODE SECTION.
ECF804	6.3	EV-9108-0	16	89	A	5000	TRIODE SECTION.
ECF805	6.3	EV-7328-0	13	85	A	3600	PENTODE SECTION.

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TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
ECF805	6.3	EV-9108-0	30	86	A	4000	TRIODE SECTION.
ECH35	6.3	HS-X348-5	12	55	A	1400	HEXODE SECTION.
ECH35	6.3	HS-5608-4	19	73	A	2200	TRIODE SECTION.
ECH42	6.3	JR-6257-4	23	48	A	1000	HEXODE SECTION. USE ADAPTER SA-5, 1050-129.
ECH42	6.3	JR-4307-6	27	65	A	1500	TRIODE SECTION.
ECH81	6.3	EV-2613-7	11	65	A	1500	HEPTODE SECTION.
ECH81	6.3	EV-9803-2	15	81	A	3000	TRIODE SECTION.
ECH83	6.3	EV-7163-2	0	0	C	----	HEPTODE SECTION. OK ABOVE 1100 ON 3000 SCALE.
ECH83	6.3	EV-9803-0	0	49	C	----	TRIODE SECTION. OK ABOVE 1500 ON 3000 SCALE.
ECH84	6.3	EV-8697-0	10	90	A	6000	PENTODE SECTION.
ECH84	6.3	EV-1203-0	18	73	A	2100	TRIODE SECTION.
ECH200	6.3	FW-3741-2	10	48	B	1000	HEPTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005#
ECH200	6.3	FW-8X09-0	22	81	A	3000	TRIODE SECTION. USE SA-11 & CA-4. NOTE 3.
ECL80	6.3	EV-9683-7	18	83	A	3300	PENTODE SECTION.
ECL80	6.3	EV-2103-0	27	61	A	1350	TRIODE SECTION.
ECL82	6.3	EV-3672-0	24	86	A	4300	PENTODE SECTION.
ECL82	6.3	EV-1908-0	11	71	A	1900	TRIODE SECTION.
ECL83	6.3	EV-9687-0	20	84	A	3500	PENTODE SECTION.
ECL83	6.3	EV-2103-0	21	32	A	750	TRIODE SECTION.
ECL84	6.3	EV-8697-0	10	90	A	6000	PENTODE SECTION.
ECL84	6.3	EV-1203-0	18	73	A	2100	TRIODE SECTION.
ECL85	6.3	EV-9678-0	28	91	A	6500	PENTODE SECTION.
ECL85	6.3	EV-2103-0	22	78	A	2200	TRIODE SECTION.
ECL86	6.3	EV-8637-0	10	89	A	5500	PENTODE SECTION.
ECL86	6.3	EV-1902-0	10	45	A	950	TRIODE SECTION.
ECLL800	6.3	EV-2397-0	10	88	A	4500	PENTODE NO. 1. NOTE 4# 6-, 7+.
ECLL800	6.3	EV-6897-0	10	88	A	4500	PENTODE NO. 2. NOTE 4# 2-, 7+.
ECLL800	6.3	EV-2107-0	25	0	A	250	TRIODE SECTION. OK ABOVE 350 ON 3000 SCALE.
ED500	6.3	EV-0801-X	0	45	C	----	USE ADAPTER SA-8, 1050-168.
EF22	6.3	JR-6237-4	17	69	A	1700	
EF40	6.3	JR-5267-4	10	69	A	1750	USE ADAPTER SA-5, 1050-129.
EF41	6.3	JR-6257-0	20	65	A	1500	USE ADAPTER SA-5, 1050-129.
EF42	6.3	JR-6257-4	10	81	A	3200	USE ADAPTER SA-5, 1050-129.
EF71	6.3	DW-1574-0	19	73	A	2000	
EF80	6.3	EV-2781-9	10	86	A	4200	
EF85	6.3	EV-2781-9	12	81	A	3000	
EF86	6.3	EV-9613-8	11	65	A	1500	
EF89	6.3	EV-2783-9	13	78	A	2500	
EF91	6.3	ET-1572-6	11	81	A	3000	
EF92	6.3	ET-1572-6	12	65	A	1500	
EF93	6.3	ET-1567-2	11	72	A	1900	
EF94	6.3	ET-1567-2	11	76	A	2300	
EF95	6.3	ET-1562-0	24	65	A	1500	
EF96	6.3	ET-1562-0	11	78	A	2800	
EF97	6.3	ET-7652-1	0	68	C	----	
EF98	6.3	ET-1652-7	0	73	C	----	
EF183	6.3	EV-2781-9	15	87	A	3300	
EF184	6.3	EV-2781-9	10	87	A	2000	
EF731	6.3	DW-1574-0	19	73	A	2000	USE ADAPTER SA-1, 1050-94.
EF732	6.3	DW-1574-0	19	78	A	2500	USE ADAPTER SA-1, 1050-94.
EF800	6.3	EV-2781-9	10	86	A	4200	
EF804	6.3	EV-9783-1	11	65	A	1500	
EF804S	6.3	EV-9783-1	11	65	A	1500	
EF805S	6.3	EV-2781-9	12	81	A	3000	
EF806S	6.3	EV-9613-8	11	65	A	1500	
EF861	6.3	EV-2791-8	11	81	A	3000	
EF905	6.3	ET-1562-0	24	65	A	1500	
EFL200	6.3	FW-8X97-0	13	88	A	5000	PENTODE NO. 1. USE ADAPTER SA-11, 1050-177. MODEL 6000, 6005#
							USE SA-11 & CA-4. NOTE 3.

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TUBE-TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
EFL200	6.3	FW-1432-0	13	83	A	3300	PENTODE NO. 2.
EH90	6.3	ET-1562-7	11	15	B	600	GRID NO. 1.
EH90	6.3	ET-7562-1	0	31	B	750	GRID NO. 3.
EH900S	6.3	ET-1562-7	11	59	B	1300	GRID NO. 1
EH900S	6.3	ET-7562-1	11	43	B	900	GRID NO. 3
EK90	6.3	ET-7562-1	0	35	B	800	AMPLIFIER SECTION.
EK90	6.3	ET-1602-7	20	90	A	6500	OSCILLATOR SECTION.
EL34	6.3	HS-5348-1	23	90	A	6000	
EL36	6.3	HS-5X48-0	38	91	A	7500	
EL37	6.3	HS-5348-1	17	88	A	5000	
EL38	6.3	HS-5X48-1	12	91	A	7250	
EL41	6.3	JR-6257-0	10	90	A	6000	USE ADAPTER SA-5, 1050-129.
EL42	6.3	JR-6257-0	10	82	A	3200	USE ADAPTER SA-5, 1050-129.
EL80	6.3	EV-2713-0	10	90	A	6000	
EL81	6.3	EV-2X73-1	51	87	A	4600	
EL83	6.3	EV-2713-6	11	89	A	5500	
EL84	6.3	EV-2793-0	12	90	A	7500	
EL85	6.3	EV-2793-6	10	82	A	3200	
EL86	6.3	EV-2793-0	40	89	A	5500	
EL90	6.3	ET-1562-0	11	86	A	4100	
EL91	6.3	ET-1572-0	20	79	A	2600	
EL95	6.3	ET-1562-0	10	84	A	3600	
EL180	12.6	EV-2781-3	11	87	A	4500	
EL360	6.3	HS-5X48-0	38	91	A	7500	
EL500	6.3	EV-2X78-0	64	89	A	5000	USE ADAPTER SA-8, 1050-168.
EL503	6.3	EV-3986-0	30	94	A	8500	USE ADAPTER SA-8, 1050-168.
EL505	6.3	EV-1X39-2	78	87	A	4200	USE ADAPTER SA-8, 1050-168.
EL508	6.3	EV-1637-0	45	87	A	4200	USE ADAPTER SA-8, 1050-168.
EL509	6.3	EV-1X39-2	78	87	A	4200	USE ADAPTER SA-8, 1050-168.
EL803	6.3	EV-2713-6	11	89	A	5500	
EL821	6.3	EV-2783-9	11	90	A	6000	
EL822	6.3	EV-2783-9	11	90	A	6000	
ELL80	6.3	EV-2317-0	13	88	A	4700	PENTODE NO. 1.
ELL80	6.3	EV-6897-0	13	88	A	4700	PENTODE NO. 2.
EM34	6.3	HS-4508-0	--	100	F	----	CONNECT A 1 MEGOHM RESISTOR FROM PIN 5 OF 5 PIN SOCKET TO PIN 3 OF LARGE 7 PIN SOCKET. CONNECT ANOTHER 1 MEGOHM RESISTOR FROM PIN 5 OF 5 PIN SOCKET TO PIN 6 OF LARGE 7 PIN SOCKET. EYE 1 CLOSSES AT BIAS OF ABOUT 30. EYE 2 CLOSSES AT BIAS OF ABOUT 60. BIAS = VARY.
EM80	6.3	EV-19X2-0	--	100	F	----	CONNECT A 1 MEGOHM RESISTOR FROM CAP LEAD TO LOCTAL TEST SOCKET PIN NO. 7. VARY BIAS TO VARY BEAM ANGLE. BIAS = VARY.
EM81	6.3	EV-19X2-0	--	100	F	----	CONNECT A 1 MEGOHM RESISTOR FROM CAP LEAD TO LOCTAL TEST SOCKET PIN NO. 7. VARY BIAS TO VARY BEAM ANGLE. BIAS = VARY.
EM84	6.3	EV-1603-0	47	0	A	----	SOLID BAR. * (SEE BELOW)
EM84	6.3	EV-1603-0	0	0	A	----	SPLIT BAR. * (SEE BELOW)
							JUMPER NOVAL SOCKET PINS 7 & 9. CONNECT A 470K OHMS, 1/2 WATT, 10% RESISTOR FROM THIS JUMPER TO PIN NO. 6.
EM87	6.3	EV-1603-0	26	--	A	----	SOLID BAR. * (SEE BELOW)
EM87	6.3	EV-1603-0	0	--	A	----	SPLIT BAR. * (SEE BELOW)
							PLACE A JUMPER BETWEEN PINS 7 & 9 OF THE 9-PIN MINIATURE SOCKET. CONNECT A 100K OHM, 1/2 WATT, RESISTOR FROM THE JUMPER TO PIN 6 OF THE 9-PIN SOCKET.
EMM801	6.3	EV-9203-1	45	100	A	----	SOLID BAR. * (SEE BELOW)
EMM801	6.3	EV-9203-1	20	100	A	----	SPLIT BAR. * (SEE BELOW)
							CONNECT A 390K OHM, 1/2 WATT, 10% RESISTOR BETWEEN PINS 2 & 8 OF THE LOCTAL TEST SOCKET.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
EMM801	6.3	EV-7203-1	45	100	A	----	SOLID BAR. * (SEE BELOW)
EMM801	6.3	EV-7203-1	20	100	A	----	SPLIT BAR. * (SEE BELOW) CONNECT A 390K OHM, 1/2 WATT, 10% RESISTOR BETWEEN PINS 2 & 6 OF THE LOCTAL TEST SOCKET.
EMM803	6.3	EV-3601-0	45	--	A	----	LARGE SOLID BAR. * (SEE BELOW)
EMM803	6.3	EV-3601-0	0	--	A	----	SPLIT BAR. * (SEE BELOW) CONNECT A 470K OHM, 1/2 WATT, 10% RESISTOR BETWEEN PINS 6 & 9 OF THE NOVAL TEST SOCKET.
EMM803	6.3	EV-2601-0	30	--	A	----	SMALL SOLID BAR. * (SEE BELOW)
EMM803	6.3	EV-2601-0	0	100	F	----	NO BAR. * (SEE BELOW) CONNECT A 1 MEGOHM, 1/2 WATT, 10% RESISTOR BETWEEN PINS 6 & 7 OF THE LOCTAL TEST SOCKET.
EN91	6.3	ET-1602-5	--	94	F	----	STRIKES AT ABOUT 24. NOTE 2.
E080	6.3	EV-7163-9	29	48	A	1000	
EY80	6.3	EV-0903-0	0	88	D	----	
EY81	6.3	EV-090X-0	0	90	D	----	
EY82	6.3	EV-0903-0	0	85	C	----	
EY84	6.3	EV-0X03-0	0	80	D	----	
EY86	6.3	ES-0X00-0	0	85	F	----	OK ABOVE DIODES OK.
EY87	6.3	ES-0X00-0	0	85	F	----	OK ABOVE DIODES OK.
EY88	6.3	EV-090X-0	0	93	D	----	
EY91	6.3	ET-0102-0	0	40	D	----	
EY500	6.3	EV-070X-0	0	85	C	----	USE ADAPTER SA-8, 1050-168.
EZ2	6.3	HS-0508-1	0	50	D	----	PLATE NO. 1
EZ2	6.3	HS-0308-1	0	50	D	----	PLATE NO. 2
EZ35	6.3	HS-0508-1	0	50	D	----	PLATE NO. 1.
EZ35	6.3	HS-0308-1	0	50	D	----	PLATE NO. 2.
EZ40	6.3	JR-0207-0	0	25	D	----	PLATE NO. 1. USE ADAPTER SA-5, 1050-129.
EZ40	6.3	JR-0607-0	0	25	D	----	PLATE NO. 2.
EZ80	6.3	EV-0703-1	0	25	D	----	PLATE NO. 1.
EZ80	6.3	EV-0103-7	0	25	D	----	PLATE NO. 2.
EZ81	6.3	EV-0703-0	0	62	D	----	PLATE NO. 1.
EZ81	6.3	EV-0103-0	0	62	D	----	PLATE NO. 2.
EZ90	6.3	ET-0607-1	0	40	D	----	PLATE NO. 1.
EZ90	6.3	ET-0107-6	0	40	D	----	PLATE NO. 2.
GY501	3.0	JR-0X00-0	0	90	F	----	OK ABOVE DIODES OK.
GZ30	5.0	JS-0600-0	0	89	D	----	USE ADAPTER SA-8, 1050-168.
GZ30	5.0	JS-0400-0	0	89	D	----	PLATE NO. 1.
GZ32	5.0	JS-0600-0	0	88	D	----	PLATE NO. 2.
GZ32	5.0	JS-0400-0	0	88	D	----	PLATE NO. 1.
GZ33	5.0	JS-0600-0	0	94	D	----	PLATE NO. 2.
GZ33	5.0	JS-0400-0	0	94	D	----	PLATE NO. 1.
GZ34	5.0	JS-0600-0	0	90	D	----	PLATE NO. 2.
GZ34	5.0	JS-0400-0	0	90	D	----	PLATE NO. 1.
H63	6.3	HS-X408-1	12	48	A	1000	
H-1112	6.3	DR-4X28-0	11	85	B	3800	USE ADAPTER SA-3, 1050-127 OR CA-4, 1050-135
H-1112	6.3	13-4528-0	11	85	B	3800	USE FOR MODEL 6000A. DO NOT USE TESTER CAP CONNECTION. JUMPER PLATE CAP TO PIN 5 OF UCTAL SOCKET.
H-1208	6.3	DR-4208-0	28	78	A	2500	USE ADAPTER SA-3, 1050-127. OR CA-4, 1050-135
H-1208	6.3	13-4208-0	28	78	A	2500	USE FOR MODEL 6000A ONLY
HAA91	12.6	ET-0701-6	0	78	C	----	DIODE NO. 1.
HAA91	12.6	ET-0205-6	0	78	C	----	DIODE NO. 2.
HABC80	20.0	EV-0607-0	0	26	C	----	DIODE NO. 1.
HABC80	20.0	EV-0203-0	0	77	C	----	DIODE NO. 2.
HABC80	20.0	EV-0107-0	0	77	C	----	DIODE NO. 3.
HABC80	20.0	EV-8907-0	11	56	A	1200	TRIODE SECTION.
HBC90	12.6	ET-1702-0	10	60	A	1300	TRIODE SECTION.
HBC90	12.6	ET-0602-0	0	26	C	----	DIODE NO. 1.
HBC90	12.6	ET-0502-0	0	26	C	----	DIODE NO. 2.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
HBC91	12.6	ET-1702-5	12	58	A	1250	TRIODE SECTION.
HBC91	12.6	ET-1602-0	0	26	C	----	DIODE NO. 1.
HBC91	12.6	ET-1502-0	0	26	C	----	DIODE NO. 2.
HCC85	17.0	EV-7608-0	14	86	A	4200	TRIODE NO. 1.
HCC85	17.0	EV-2103-0	14	86	A	4200	TRIODE NO. 2.
HCH81	12.6	EV-2613-7	11	65	A	1500	HEPTODE SECTION.
HCH81	12.6	EV-9803-2	15	81	A	3000	TRIODE SECTION.
HD14	1.4	HS-X300-0	16	0	A	275	TRIODE SECTION. OK ABOVE 600 ON 3000 SCALE.
HD14	1.4	HS-0500-0	0	35	C	----	DIODE SECTION.
HD30	2.5	EV-3710-0	50	69	A	1700	
HD93	1.1	BS-0X00-0	0	80	F	----	OK ABOVE DIODES OK.
HD94	6.3	HS-5X48-0	42	89	A	5500	
HD96	25.0	HS-5X48-0	42	89	A	5500	
HF61	6.3	JR-6257-0	20	65	A	1500	USE ADAPTER SA-5, 1050-129.
HF62	6.3	JR-6257-4	10	81	A	3200	USE ADAPTER SA-5, 1050-129.
HF93	12.6	ET-1567-2	11	72	A	1900	
HF94	12.6	ET-1567-2	11	76	A	2300	
HK90	12.6	ET-7562-1	0	35	B	800	AMPLIFIER SECTION.
HK90	12.6	ET-1602-7	20	90	A	6500	OSCILLATOR SECTION.
HL90	20.0	ET-1562-0	11	86	A	4100	
HL92	50.0	ET-2761-0	20	91	B	7500	
HL94	35.0	KT-2761-0	40	89	A	5500	BEFORE PLACING TUBE IN SOCKET, JUMPER A 33 OHM, 2 WATT RESISTOR BETWEEN PINS 4 AND 9 OF THE 9 PIN MINIATURE SOCKET. (COUNTING COUNTERCLOCKWISE) THEN PROCEED WITH TEST.
HMO4	6.3	ET-7562-1	0	35	B	800	AMPLIFIER SECTION.
HMO4	6.3	ET-1602-7	20	90	A	6500	OSCILLATOR SECTION.
HP6	6.3	ET-1572-6	11	81	A	3000	
HY90	35.0	ET-0507-0	0	88	D	----	
HZ90	12.6	ET-0607-1	0	40	D	----	PLATE NO. 1.
HZ90	12.6	ET-0107-6	0	40	D	----	PLATE NO. 2.
KT61	6.3	HS-5348-0	10	86	A	4000	
KT66	6.3	HS-5348-1	13	90	A	6300	
KT88	6.3	HS-5348-1	13	88	A	5000	
KTZ63	6.3	HS-X348-5	19	57	A	1225	
L63	6.3	HS-5308-0	23	79	A	2600	
L77	6.3	ET-6107-0	25	75	A	2200	
LC900	2.5	ET-1507-6	20	87	A	4600	
LCF80	6.3	EV-2637-1	12	81	A	3000	PENTODE SECTION.
LCF80	6.3	EV-9108-6	26	85	A	4000	TRIODE SECTION.
LCF200	6.3	FW-3782-4	10	84	A	3600	PENTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005#
LCF200	6.3	FW-X901-0	12	81	A	3600	USE SA-11 & CA-4. NOTE 3.
LCF201	6.3	FW-3782-4	10	83	A	3300	TRIODE SECTION.
LCF201	6.3	FW-X901-0	29	81	A	3000	PENTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005#
LCF801	5.0	EV-2671-0	11	86	A	3500	USE SA-11 & CA-4. NOTE 3.
LCF801	5.0	EV-9803-0	30	90	A	4250	TRIODE SECTION.
LCF802	6.3	EV-2637-0	17	87	A	2200	PENTODE SECTION.
LCF802	6.3	EV-9108-0	19	66	A	1600	TRIODE SECTION.
LCH200	5.0	FW-3741-2	10	48	B	1000	HEPTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005#
LCH200	5.0	FW-8X09-0	22	81	A	3000	USE SA-11 & CA-4. NOTE 3.
LCL82	10.0	EV-3672-0	24	86	A	4300	TRIODE SECTION.
LCL82	10.0	EV-1908-0	11	71	A	1900	PENTODE SECTION.
LCL84	10.0	EV-8697-0	10	90	A	6000	TRIODE SECTION.
LCL84	10.0	EV-1203-0	18	73	A	2100	PENTODE SECTION.
LFL200	10.0	FW-8X97-0	13	88	A	5000	TRIODE SECTION.
							PENTODE NO. 1. USE ADAPTER SA-11, 1050-177. MODEL 6000, 6005#
							USE SA-11 & CA-4. NOTE 3.

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TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
LFL200	10.0	FW-1432-0	13	83	A	3300	PENTODE NO. 2.
LL86	10.0	EV-2793-0	40	89	A	5500	
LL500	17.0	EV-2X78-0	64	89	A	5000	USE ADAPTER SA-8, 1050-168.
LL505	25.0	EV-1X39-2	78	87	A	4200	USE ADAPTER SA-8, 1050-168.
LL521	20.0	EV-8X39-2	65	87	A	4800	USE ADAPTER SA-8, 1050-168.
LN119	50.0	EV-3672-0	24	86	A	4300	PENTODE SECTION.
LN119	50.0	EV-1908-0	11	71	A	1900	TRIODE SECTION.
LN152	6.3	EV-9683-7	18	83	A	3300	PENTODE SECTION.
LN152	6.3	EV-2103-0	27	61	A	1350	TRIODE SECTION.
LN309	12.6	EV-9687-0	20	84	A	3500	PENTODE SECTION.
LN309	12.6	EV-2103-0	21	32	A	750	TRIODE SECTION.
LY81	10.0	EV-090X-0	0	90	D	----	
LY88	20.0	EV-090X-0	0	93	D	----	
LY500	25.0	EV-070X-0	0	85	C	----	USE ADAPTER SA-8, 1050-168.
LZ319	10.0	EV-2637-1	12	81	A	3000	PENTODE SECTION
LZ319	10.0	EV-9108-6	26	85	A	4000	TRIODE SECTION
M8079	6.3	ET-0701-6	0	78	C	----	DIODE NO. 1.
M8079	6.3	ET-0205-6	0	78	C	----	DIODE NO. 2.
M8081	6.3	ET-5207-0	21	81	A	3000	TRIODE NO. 1.
M8081	6.3	ET-6107-0	21	81	A	3000	TRIODE NO. 2.
M8100	6.3	ET-1562-0	24	65	A	1500	
M8136	12.6	EV-7608-0	24	75	A	2200	TRIODE NO. 1.
M8136	12.6	EV-2103-0	24	75	A	2200	TRIODE NO. 2.
M8137	12.6	EV-7608-0	12	58	A	1250	TRIODE NO. 1.
M8137	12.6	EV-2103-0	12	58	A	1250	TRIODE NO. 2.
M8162	12.6	EV-7608-0	11	81	A	3000	TRIODE NO. 1.
M8162	12.6	EV-2103-0	11	81	A	3000	TRIODE NO. 2.
M8195	6.3	EV-9613-8	11	65	A	1500	
M8196	6.3	ET-1562-7	11	48	B	1000	
M8212	6.3	ET-0701-6	0	78	C	----	DIODE NO. 1.
M8212	6.3	ET-0205-6	0	78	C	----	DIODE NO. 2.
N14	1.4	HS-5340-0	35	62	A	1400	
N17	2.5	HR-3240-0	24	65	B	1500	
N18	3.0	HR-3240-0	15	75	A	2150	
N19	3.0	HR-6230-0	35	68	A	1650	
N22LL	20.0	EV-7963-2	64	91	A	6500	USE ADAPTER SA-8, 1050-168.
N77	6.3	ET-1572-0	20	79	A	2600	
N78	6.3	ET-1572-0	10	89	A	5000	
N119	50.0	EV-2793-0	40	89	A	5500	
N144	6.3	ET-1572-0	20	79	A	2600	
N151	6.3	JR-6257-0	10	82	A	3200	USE ADAPTER SA-5, 1050-129.
N152	20.0	EV-2X83-9	42	90	A	6000	
N153	12.6	EV-2713-6	8	91	A	7500	
N154	17.0	EV-2793-0	20	88	A	5000	
N309	12.6	EV-2713-6	8	91	A	7500	
N329	17.0	EV-2793-0	20	88	A	5000	
N359	20.0	EV-2X83-9	42	90	A	6000	
N369	17.0	EV-3672-0	24	86	A	4300	PENTODE SECTION
N369	17.0	EV-1908-0	11	71	A	1900	TRIODE SECTION
N709	6.3	EV-2793-0	12	90	A	7500	
N727	6.3	ET-1562-0	11	86	A	4100	
OM4	6.3	HS-X308-0	18	73	A	2000	TRIODE SECTION.
OM4	6.3	HS-X508-0	18	69	C	----	DIODE NO. 1.
OM4	6.3	HS-X408-0	18	69	C	----	DIODE NO. 2.
PABC80	10.0	EV-8907-6	11	56	A	1200	TRIODE SECTION.
PABC80	10.0	EV-0607-1	0	26	C	----	DIODE NO. 1.
PABC80	10.0	EV-0203-7	0	77	C	----	DIODE NO. 2.
PABC80	10.0	EV-0107-8	0	77	C	----	DIODE NO. 3.
PC86	4.3	EV-2103-0	20	88	A	4400	
PC88	4.3	EV-9802-0	19	89	A	6300	
PC95	3.0	ET-2567-0	10	89	A	5000	
PC97	4.3	ET-2501-6	19	90	A	5750	
PC900	4.3	ET-1507-6	20	87	A	4600	



TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
PCC84	7.5	EV-6907-0	26	87	A	4300	TRIODE NO. 1.
PCC84	7.5	EV-2301-0	26	87	A	4300	TRIODE NO. 2.
PCC85	10.0	EV-7608-9	11	81	A	3000	TRIODE NO. 1.
PCC85	10.0	EV-2103-9	11	81	A	3000	TRIODE NO. 2.
PCC88	7.5	EV-7608-0	22	92	A	7000	TRIODE NO. 1.
PCC88	7.5	EV-2103-0	22	92	A	7000	TRIODE NO. 2.
PCC89	7.5	EV-6908-0	24	90	A	5500	TRIODE NO. 1.
PCC89	7.5	EV-2301-0	24	90	A	5500	TRIODE NO. 2.
PCC189	7.5	EV-7608-0	22	92	A	7500	TRIODE NO. 1.
PCC189	7.5	EV-2103-0	22	92	A	7500	TRIODE NO. 2.
PCF80	10.0	EV-2637-1	12	81	A	3000	PENTODE SECTION.
PCF80	10.0	EV-9108-6	26	85	A	4000	TRIODE SECTION.
PCF82	10.0	EV-2637-0	11	73	A	2000	PENTODE SECTION.
PCF82	10.0	EV-9108-0	12	90	A	6200	TRIODE SECTION.
PCF86	7.5	EV-2893-0	9	85	A	4000	PENTODE SECTION.
PCF86	7.5	EV-6703-0	25	88	A	5000	TRIODE SECTION.
PCF200	7.5	FW-3782-4	10	84	A	3600	PENTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
PCF200	7.5	FW-X901-0	12	81	A	3000	TRIODE SECTION.
PCF201	7.5	FW-3782-4	10	83	A	3300	PENTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
PCF201	7.5	FW-X901-0	29	81	A	3000	TRIODE SECTION.
PCF801	7.5	EV-2671-0	11	86	A	3500	PENTODE SECTION.
PCF801	7.5	EV-9803-0	30	90	A	4250	TRIODE SECTION.
PCF802	10.0	EV-2637-0	17	87	A	2200	PENTODE SECTION.
PCF802	10.0	EV-9108-0	19	66	A	1600	TRIODE SECTION.
PCF805	7.5	EV-7328-0	13	85	A	3600	PENTODE SECTION.
PCF805	7.5	EV-9108-0	30	86	A	4000	TRIODE SECTION.
PCH200	10.0	FW-3741-2	10	48	B	1000	HEPTODE SECTION. USE ADAPTER SA-11, 1050-177 MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
PCH200	10.0	FW-8X09-0	22	81	A	3000	TRIODE SECTION.
PCL82	17.0	EV-3672-0	24	86	A	4300	PENTODE SECTION.
PCL82	17.0	EV-1908-0	11	71	A	1900	TRIODE SECTION.
PCL83	12.6	EV-9687-0	20	84	A	3500	PENTODE SECTION.
PCL83	12.6	EV-2103-0	21	32	A	750	TRIODE SECTION.
PCL84	17.0	EV-8697-0	10	90	A	6000	PENTODE SECTION.
PCL84	17.0	EV-1203-0	18	73	A	2100	TRIODE SECTION.
PCL85	17.0	EV-9678-0	28	91	A	6500	PENTODE SECTION.
PCL85	17.0	EV-2103-0	22	78	A	2200	TRIODE SECTION.
PCL86	12.6	EV-8637-0	10	89	A	5500	PENTODE SECTION.
PCL86	12.6	EV-1902-0	10	45	A	950	TRIODE SECTION.
PD500	7.5	EV-0801-X	0	45	C	----	USE ADAPTER SA-8, 1050-168.
PF86	4.3	EV-9613-8	11	65	A	1500	
PFL200	17.0	FW-8X97-0	13	88	A	5000	PENTODE NO. 1. USE ADAPTER SA-11, 1050-177. MODEL 6000, 6005# USE SA-11 & CA-4. NOTE 3.
PFL200	17.0	FW-1432-0	13	83	A	3300	PENTODE NO. 2.
PL2D21	6.3	ET-1602-5	---	94	E	----	STRIKES AT ABOUT 24. NOTE 2
PL21	6.3	ET-1602-5	--	94	F	----	STRIKES AT ABOUT 24. NOTE 2.
PL36	25.0	HS-5X48-0	38	91	A	7500	
PL81	20.0	EV-2X83-9	42	90	A	6000	
PL82	17.0	EV-2793-0	20	88	A	5000	
PL83	12.6	EV-2713-6	8	91	A	7500	
PL84	17.0	EV-2793-0	42	88	A	5000	MAKE 'LINE TEST' AT 1400 ON 3000 SCALE.
PL500	25.0	EV-2X78-0	64	89	A	5000	USE ADAPTER SA-8, 1050-168.
PL505	35.0	EV-1X39-2	78	87	A	4200	USE ADAPTER SA-8, 1050-168.
PL508	17.0	EV-1637-0	45	87	A	4200	USE ADAPTER SA-8, 1050-168.
PL521	25.0	EV-8X39-2	65	87	A	4800	USE ADAPTER SA-8, 1050-168.
PLL80	12.6	EV-2317-0	13	88	A	4700	PENTODE NO. 1.
PLL80	12.6	EV-6897-0	13	88	A	4700	PENTODE NO. 2.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND.	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
PM04	6.3	ET-1567-2	11	72	A	1900	
PM05	6.3	ET-1562-0	24	65	A	1500	
PM07	6.3	ET-1572-6	12	65	A	1500	
PM84	4.3	EV-1603-0	47	0	A	----	SOLID BAR (SEE BELOW)
PM84	4.3	EV-1603-0	0	0	A	----	SPLIT BAR (SEE BELOW) JUMPER NOVAL SOCKET PINS 7&9. CONNECT A 470K OHMS, 1/2 WATT, 100/0 RESISTOR FROM THIS JUMPER TO PIN 6.
PY80	20.0	EV-0903-0	0	88	D	----	
PY81	17.0	EV-090X-0	0	90	D	----	
PY82	20.0	EV-0903-0	0	88	D	----	
PY88	25.0	EV-090X-0	0	93	D	----	
PY500	50.0	EV-070X-0	0	85	C	----	USE ADAPTER SA-8, 1050-168.
PY800	20.0	EV-090X-0	0	90	D	----	
QA2403	6.3	ET-1572-6	11	81	A	3000	
QA2406	12.6	EV-7608-0	11	81	A	3000	TRIODE NO. 1.
QA2406	12.6	EV-2103-0	11	81	A	3000	TRIODE NO. 2.
QE03/10	6.3	EV-9167-3	11	87	A	4500	
QE05/40	6.3	HS-5X31-8	23	91	A	7000	
QE05/40F	12.6	HS-5X31-8	23	91	A	7000	
QE05/40H	25.0	HS-5X31-8	23	91	A	7000	
QE06/50	6.3	FR-3X24-0	25	85	A	3800	
QQE02/5	12.6	EV-3872-0	14	88	A	5000	TETRODE NO. 1. NOTE #4. 1-, 2+.
QQE02/5	12.6	EV-1672-0	14	88	A	5000	TETRODE NO. 2. NOTE #4. 3-, 2+.
QQE03/12	12.6	EV-3872-0	20	83	A	3300	TETRODE NO. 1. NOTE #4. 1-, 2+.
QQE03/12	12.6	EV-1672-0	20	83	A	3300	TETRODE NO. 2. NOTE #4. 3-, 2+.
QQE03/20	12.6	HR-2X34-0	39	78	A	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.
QQE03/20	12.6	HR-6X34-0	39	78	A	2500	TETRODE NO. 2. NOTE 4# 2-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN NO. 3 OF THE OCTAL SOCKET.
QQE06/40	12.6	HR-2X34-0	15	88	A	3900	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 THE OCTAL SOCKET.
QQE06/40	12.6	HR-6X34-0	15	88	A	3900	PLATE NO. 2. NOTE 4# 2-, 4+. CONNECT THE PLATE JACK CONNECTOR TO THE CAP PIN OVER PIN 3 OF THE OCTAL SOCKET.
QQV02/6	12.6	EV-3872-0	14	88	A	5000	TETRODE NO. 1. NOTE 4# 1-, 2+.
QQV02/6	12.6	EV-1672-0	14	88	A	5000	TETRODE NO. 2. NOTE 4# 3-, 2+.
QV05/25	6.3	FR-3X24-0	25	85	A	3800	
U26	6.3	ES-0X00-0	0	85	F	----	OK ABOVE DIODES OK.
U49	6.3	ES-0X00-0	0	85	F	----	OK ABOVE DIODES OK.
U50	5.0	JS-0600-0	0	22	D	----	PLATE NO. 1
U50	5.0	JS-0400-0	0	18	D	----	PLATE NO. 2
U52	5.0	JS-0600-0	0	45	D	----	PLATE NO. 1.
U52	5.0	JS-0400-0	0	35	D	----	PLATE NO. 2.
U70	6.3	HS-0508-1	0	50	D	----	PLATE NO. 1.
U70	6.3	HS-0308-1	0	50	D	----	PLATE NO. 2.
U78	6.3	ET-0607-1	0	40	D	----	PLATE NO. 1.
U78	6.3	ET-0107-6	0	40	D	----	PLATE NO. 2.
U119	35.0	EV-0903-0	0	91	D	----	
U149	6.3	JR-0607-0	0	65	D	----	PLATE NO. 1
U149	6.3	JR-0307-C	0	65	D	----	PLATE NO. 2
U152	20.0	EV-0903-0	0	88	D	----	
U153	17.0	EV-090X-0	0	90	D	----	
U154	20.0	EV-0903-0	0	88	D	----	
U192	20.0	EV-0903-0	0	88	D	----	
U309	20.0	EV-0903-0	0	88	D	----	
U381	35.0	EV-0903-0	0	91	D	----	
U709	6.3	EV-0703-0	0	62	D	----	PLATE NO. 1.
U709	6.3	EV-0103-0	0	62	D	----	PLATE NO. 2.

TUBE TYPE	FIL.	SELECTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
UAA91	20.0	ET-0701-6	0	78	C	----	DIODE NO. 1.
UAA91	20.0	ET-0205-6	0	78	C	----	DIODE NO. 2.
UABC80	25.0	EV-8907-0	11	56	A	1200	TRIODE SECTION.
UABC80	25.0	EV-0607-0	0	26	C	----	DIODE NO. 1.
UABC80	25.0	EV-0203-0	0	77	C	----	DIODE NO. 2.
UABC80	25.0	EV-0107-0	0	77	C	----	DIODE NO. 3.
UAF42	12.6	JR-6257-4	25	56	A	1200	PENTODE SECTION.
UAF42	12.6	JR-0307-0	0	61	C	----	DIODE SECTION. USE ADAPTER SA-5, 1050-129.
UB41	20.0	JR-0607-0	0	78	C	----	DIODE NO. 1 USE ADAPTER SA-5, 1050-129.
UB41	20.0	JR-0403-0	0	78	C	----	DIODE NO. 2
UBC41	12.6	JR-3207-0	11	62	A	1400	TRIODE SECTION.
UBC41	12.6	JR-0607-0	0	28	C	----	DIODE NO. 1.
UBC41	12.6	JR-0507-0	0	28	C	----	DIODE NO. 2. USE ADAPTER SA-5, 1050-129.
UBC81	12.6	EV-2103-0	11	62	A	1400	TRIODE SECTION.
UBC81	12.6	EV-0603-0	0	28	C	----	DIODE NO. 1.
UBC81	12.6	EV-0803-0	0	28	C	----	DIODE NO. 2.
UBF80	17.0	EV-2613-9	10	75	A	2200	PENTODE SECTION.
UBF80	17.0	EV-0703-0	0	25	C	----	DIODE NO. 1.
UBF80	17.0	EV-0803-0	0	25	C	----	DIODE NO. 2.
UBF89	20.0	EV-2613-9	13	78	A	2500	PENTODE SECTION.
UBF89	20.0	EV-0803-0	0	51	C	----	DIODE NO. 1.
UBF89	20.0	EV-0703-0	0	51	C	----	DIODE NO. 2.
UC92	10.0	ET-6107-0	11	81	A	3000	
UCC85	25.0	EV-7608-9	11	81	A	3000	TRIODE NO. 1.
UCC85	25.0	EV-2103-9	11	81	A	3000	TRIODE NO. 2.
UCH42	12.6	JR-6257-4	23	48	A	1000	HEPTODE SECTION.
UCH42	12.6	JR-4307-6	27	65	A	1500	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
UCH81	20.0	EV-2613-7	11	65	A	1500	HEPTODE SECTION.
UCH81	20.0	EV-9803-2	15	81	A	3000	TRIODE SECTION.
UCL82	50.0	EV-3672-0	24	86	A	4300	PENTODE SECTION.
UCL82	50.0	EV-1908-0	11	71	A	1900	TRIODE SECTION.
UCL83	35.0	EV-9687-0	20	84	A	3500	PENTODE SECTION.
UCL83	35.0	EV-2103-0	21	32	A	750	TRIODE SECTION.
UF41	12.6	JR-6257-0	20	65	A	1500	USE ADAPTER SA-5, 1050-129.
UF42	20.0	JR-6257-4	10	81	A	3200	USE ADAPTER SA-5, 1050-129.
UF80	20.0	EV-2781-9	10	86	A	4200	
UF85	20.0	EV-2781-9	12	81	A	3000	
UF86	12.6	EV-9613-8	11	65	A	1500	
UF89	12.6	EV-2783-9	13	78	A	2500	
UL41	50.0	JR-6257-0	10	90	A	6000	USE ADAPTER SA-5, 1050-129.
UL84	50.0	EV-2793-0	40	89	A	5500	
UM80	20.0	EV-19X2-0	--	100	F	----	CONNECT A 1 MEGOHM RESISTOR FROM CAP LEAD TO LOCTAL TEST SOCKET PIN NO. 7. VARY BIAS TO VARY BEAM ANGLE. BIAS = VARY.
UY41	35.0	BY-0207-0	0	72	C	----	MAKE 'LINE TEST' AT 1300 ON 3000 SCALE.
UY42	35.0	BY-0207-0	0	72	C	----	USE ADAPTER SA-5, 1050-129.
UY85	35.0	EV-0903-0	0	91	D	----	MAKE 'LINE TEST' AT 1300 ON 3000 SCALE.
UY89	35.0	EV-0903-0	0	91	D	----	USE ADAPTER SA-5, 1050-129.
UY89	35.0	EV-0903-0	0	91	D	----	MAKE 'LINE TEST' AT 1300 ON 3000 SCALE.
W17	1.4	BX-6230-0	11	21	B	650	
W77	6.3	ET-1572-6	12	65	A	1500	
WD119	20.0	EV-2613-9	13	78	A	2500	PENTODE SECTION
WD119	20.0	EV-0803-0	0	51	C	----	DIODE NO. 1
WD119	20.0	EV-0703-0	0	51	C	----	DIODE NO. 2
X17	1.4	BX-4306-2	55	53	A	1100	
X78	6.3	ET-2510-7	10	79	A	2500	HEXODE SECTION.
X78	6.3	ET-7600-0	30	76	A	2300	TRIODE SECTION.
X108	20.0	ET-2510-7	10	79	A	2500	HEXODE SECTION.
X108	20.0	ET-7600-0	30	76	A	2300	TRIODE SECTION.
X119	20.0	EV-2613-7	11	65	A	1500	HEPTODE SECTION.

SEE NEXT PAGE FOR CONTINUATION

TUBE TYPE	FIL.	SELEKTORS	BIAS	SHUNT	FUNCT.	MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
X119	20.0	EV-9803-2	15	81	A	3000	TRIODE SECTION.
X-142	12.6	JR-6257-4	23	48	A	1000	HEPTODE SECTION. USE ADAPTER SA-5, 1050-129.
X-142	12.6	JR-4307-6	27	65	A	1500	TRIODE SECTION.
X719	6.3	EV-2613-7	11	65	A	1500	HEPTODE SECTION.
X719	6.3	EV-9803-2	15	81	A	3000	TRIODE SECTION.
X727	6.3	ET-7562-1	0	35	B	800	AMPLIFIER SECTION.
X727	6.3	ET-1602-7	20	90	A	6500	OSCILLATOR SECTION.
XC95	2.0	ET-2567-0	10	89	A	5000	
XC97	2.5	ET-2501-6	19	90	A	5750	
XC900	2.0	ET-1507-6	20	87	A	4600	
XCC82	6.3	EV-7608-0	24	75	A	2200	TRIODE NO. 1.
XCC82	6.3	EV-2103-0	24	75	A	2200	TRIODE NO. 2.
XCC189	4.3	EV-7608-0	22	92	A	7500	TRIODE NO. 1.
XCC189	4.3	EV-2103-0	22	92	A	7500	TRIODE NO. 2.
XCF80	4.3	EV-2637-1	12	81	A	3000	PENTODE SECTION.
XCF80	4.3	EV-9108-6	26	85	A	4000	TRIODE SECTION.
XCF86	5.0	EV-2893-0	10	84	A	3600	PENTODE SECTION.
XCF86	5.0	EV-6703-0	32	82	A	3200	TRIODE SECTION.
XCF801	4.3	EV-2671-0	11	86	A	3500	PENTODE SECTION.
XCF801	4.3	EV-9803-0	30	90	A	4250	TRIODE SECTION.
XCH81	3.0	EV-2613-7	11	65	A	1500	HEPTODE SECTION.
XCH81	3.0	EV-9803-2	15	81	A	3000	TRIODE SECTION.
XCL82	7.5	EV-3672-0	24	86	A	4300	PENTODE SECTION.
XCL82	7.5	EV-1908-0	11	71	A	1900	TRIODE SECTION.
XCL84	7.5	EV-8697-0	10	90	A	6000	PENTODE SECTION.
XCL84	7.5	EV-1203-0	18	73	A	2100	TRIODE SECTION.
XCL85	10.0	EV-9678-0	28	91	A	6500	PENTODE SECTION.
XCL85	10.0	EV-2103-0	22	78	A	2200	TRIODE SECTION.
XF80	3.0	EV-2781-9	10	86	A	4200	
XF85	3.0	EV-2781-9	12	81	A	3000	
XF86	2.5	EV-9613-0	11	65	A	1500	
XF183	3.0	EV-2781-9	15	87	A	3300	
XF184	3.0	EV-2781-9	10	87	A	2000	
XL36	12.6	HS-5X48-0	38	91	A	7500	
XL84	7.5	EV-2793-0	12	90	A	7500	
XL86	7.5	EV-2793-0	40	89	A	5500	
XL500	12.6	EV-2X78-0	64	89	A	5000	USE ADAPTER SA-8, 1050-168.
XY88	17.0	EV-090X-0	0	93	D	----	
YC95	3.0	ET-2567-0	10	89	A	5000	
YC97	3.0	ET-2501-6	19	90	A	5750	
YCC189	5.0	EV-7608-0	22	92	A	7500	TRIODE NO. 1.
YCC189	5.0	EV-2103-0	22	92	A	7500	TRIODE NO. 2.
YF183	4.3	EV-2781-9	15	87	A	3300	
YF184	4.3	EV-2781-9	10	87	A	2000	
YL84	10.0	EV-2793-0	12	90	A	7500	
YL1080	1.4	EV-1670-3	10	78	A	2500	TETRODE NO. 1.
YL1080	1.4	EV-3870-1	10	78	A	2500	TETRODE NO. 2.
YL1370	6.3	HS-5X31-8	23	91	A	7000	
YL1371	12.6	HS-5X31-8	23	91	A	7000	
YL1372	25.0	HS-5X31-8	23	91	A	7000	
Z63	6.3	HS-X348-5	19	57	A	1225	
Z77	6.3	ET-1572-6	11	81	A	3000	
Z142	20.0	JR-6247-4	10	81	A	3200	USE ADAPTER SA-5, 1050-129.
Z150	6.3	JR-6257-4	10	81	A	3200	USE ADAPTER SA-5, 1050-129.
Z152	6.3	EV-2781-9	10	86	A	4200	
Z719	6.3	EV-2781-9	10	86	A	4200	
Z729	6.3	EV-9613-8	11	65	A	1500	
ZD17	1.4	BX-6540-0	11	0	B	500	PENTODE SECTION.
ZD17	1.4	HR-0300-0	0	0	C	----	DIODE SECTION.
ZD152	6.3	EV-2613-9	10	75	A	2200	PENTODE SECTION.
ZD152	6.3	EV-0703-0	0	25	C	----	DIODE NO. 1.
ZD152	6.3	EV-0803-0	0	25	C	----	DIODE NO. 2.