

**TB 11-6625-316-12/1**

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

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**TEST DATA FOR  
TEST SETS,  
ELECTRON TUBE TV-2/U,  
TV-2A/U, TV-2B/U,  
AND TV-2C/U**

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HEADQUARTERS, DEPARTMENT OF THE ARMY

JUNE 1966

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WASHINGTON, D.C., 22 June 1966

## **TEST DATA FOR TEST SETS, ELECTRON TUBE TV-2/U, TV-2A/U, TV-2B/U, AND TV-2C/U**

*Note.* This bulletin supplements the data contained on the tube test data roll charts on the covers of Test Sets, Electron Tube TV-2/U, TV-2A/U, and TV-2B/U.

**1. Tube Test Data.** The tube test data provides information necessary to test some of the electron tubes that are not listed on the tube test data roll chart. The column headings in this bulletin duplicate the column headings on the tube test data roll chart housing. For a complete explanation of each column heading, refer to TM 11-6625-316-12.

**2. Abbreviations.** The letters "FS" and "RL" in the SIG VR column represent "full scale" and "red line," respectively. The letters "CCW" in the BIAS column, under METER SETTING, represent "counter-clockwise."

**3. Test Data.** The tube types appear in numerical and alphabetical order. The test data is listed from left to right in the order in which the controls should be set.

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\*This bulletin supersedes TB 11-2661-1, 27 January 1960, including C 1 26 July 1960; C 2, 30 March 1961; C 3, 26 October 1961; and C 4, 1 June 1962



Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Minimum limits	Notes	
				Flament	Bias	PI SCR	Gm SIG	Plate	Bias	Screen					Sig VR
2B3	EM	T	27 0A0 00	2.0	5	N	A	100	0	---	RL	40	P2	50	Adj fil to 1.75.
2BN4	GM	T	34 250 10	2.0	D	O	B	150	CCW	---	RL	70	P4	65	Adj fil to 2.1.
2BN4A	GM	T	43 250 10	2.0	D	O	B	150	CCW	---	RL	55	P4	65	Adj fil to 2.35.
2CW4	GM	T	31 420 80	2.0	5	N	B	70	.2	---	RL	25	P4	65	Use Hiekok adaptor code No. 1050-127.
2CY5	GM	T	34 156 20	2.5	5	L	B	125	1.0	80	RL	70	P4	65	Adj fil to 2.4.
2D21W	TH	VR	34 106 27	6.3	10	L	F	---	*10	120	FS	50	P5	Blas	Volts 1.5 min, 3.0 max.
2E5	ER	T	16 040 50	2.5	5	K	F	200	0	200	RL	0	P4	---	Eye open.
2E5	EM	T	16 042 50	2.5	5	K	F	200	0	200	RL	0	P4	---	Eye closed.
2E36	GM	T	16 342 50	2.5	5	S	A	20 AC	0	---	RL	54	P2, P3	50	Triode sect.
2E41	GM	T	35 412 00	1.1	5	Q	E	45	1.25	45	RL	55	P4	65	
2E41	GM	T	46 512 00	1.1	5	Q	E	45	2.0	45	RL	80	P4	65	Pentode sect. Adj fil to 1.25.
2E42	GM	T	46 030 00	1.1	5	S	C	20 AC	0	---	RL	29	P2	50	Diode sect. Adj fil to 1.25.
2E42	EM	T	46 512 00	1.1	5	Q	E	45	2.0	45	RL	80	P4	65	Pentode sect. Adj fil to 1.25.
2E42	EM	T	46 030 00	1.1	5	S	C	20 AC	0	---	RL	29	P2	50	Diode sect. Adj fil to 1.25.
2EA5	GM	T	43 156 20	2.5	5	J	B	250	1.0	140	RL	57	P4	65	Adj fil to 2.3.
2EN6	EM	T	43 070 50	2.0	5	S	A	20 AC	0	---	RL	80	P2	40	Diode #1.
2EN6	EM	T	43 020 50	2.0	5	S	B	20 AC	0	---	RL	80	P2	40	Diode #2.
2ER5	GM	T	43 256 70	2.0	5	M	B	200	1.2	---	RL	28	P4	65	Adj fil to 2.1.
2ES5	GM	T	34 250 10	2.5	5	O	B	105	1.0	---	RL	40	P4	63	Adj fil to 2.35.
2EV5	GM	T	34 156 20	2.5	5	M	B	135	1.3	80	RL	65	P4	63	Adj fil to 2.4.
2FH5	GM	T	34 250 70	2.5	5	M	B	135	1.0	---	RL	44	P4	63	
2FQ5	GM	T	43 250 70	2.5	5	K	B	245	1.2	---	RL	24	P4	65	Adj fil to 2.3.
2FS5	GM	T	34 156 70	2.5	5	K	B	135	.2	135	RL	43	P4	65	Adj fil to 2.4.
2FY5	GM	T	34 250 10	1.1	5	Q	E	45	3.0	43	RL	39	P4	65	Heptode sect. Adj fil to 1.25.
2G22	GM	T	47 326 51	1.1	5	Q	E	40	3.0	40	RL	85	P4	65	Triode sect. Adj fil to 1.25.
2G22	GM	T	47 310 00	1.1	5	K	A	135	1.0	---	RL	67	P4	65	Triode sect. Adj fil to 1.25.
2GK5	GM	T	34 250 70	2.5	5	K	A	135	1.0	---	RL	100	P4	65	Adj fil to 2.35.
2T4	GM	T	34 210 50	2.5	5	N	B	80	CCW	0	RL	08	P4	65	
2V2	EM	T	27 0A0 00	2.5	5	O	A	225	0	0	RL	31	P2	60	Adj fil to 3.15.
3A2	EM	T	12 0A0 00	3.0	5	G	A	150	0	0	RL	21	P2	60	Adj fil to 3.15.
3A3	EM	T	27 0A0 00	3.0	5	G	A	225	0	0	RL	31	P2	60	Adj fil to 3.15.
3A4	GM	T	17 423 00	3.0	10	N	D	75	5.7	67.5	RL	58	P4	65	Adj fil to 2.8.
3AF4A	GM	T	34 210 50	3.0	C	N	B	80	CCW	0	RL	73	P4	65	Adj fil to 3.2.
3AL5	EM	T	34 070 10	3.0	5	S	A	20 AC	0	0	RL	66	P2	60	Diode #1. Adj fil to 3.15.
3AL5	EM	T	34 020 50	3.0	5	S	A	20 AC	0	0	RL	66	P2	60	Diode #2. Adj fil to 3.15.
3AU6	GM	T	34 156 73	3.0	A	J	C	250	CCW	150	RL	100	P4	65	Adj fil to 3.15.
3AV6	GM	T	34 170 20	3.0	5	O	B	250	2.0	---	RL	94	P4	65	Triode sect. Adj fil to 3.15.
3AV6	EM	T	34 060 20	3.0	5	S	B	20 AC	0	0	RL	58	P2	25	Diode #1. Adj fil to 3.15.
3AV6	EM	T	34 050 20	3.0	5	S	B	20 AC	0	0	RL	58	P2	25	Diode #2. Adj fil to 3.15.

\*OK under 100 percent quality meter. (Tube voltage drop measured.)

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting			Shunt	Press to test	Minim- um limits	Notes
				Flament	Bias	PI SCR	Gm SIO	Plate	Bias				
3B2	EM	T	27 0A0 00	3.0	5	G	A	225	0	0	RL	50	Adj fil to 3.15,
3B4	GM	T	45 371 00	2.5	60	II	D	200	25	150	RL	50	
3BA6	GM	T	34 156 72	3.0	A	N	C	100	CCW	100	RL	65	Adj fil to 3.15,
3BC5	GM	T	34 156 20	3.0	D	J	C	250	CCW	150	RL	65	Adj fil to 3.15,
3BE6	GM	T	34 165 27	3.0	5	N	A	110	1.0	110	RL	65	Adj fil to 3.15,
3BN4	GM	T	34 250 10	3.0	D	O	B	150	CCW	-----	RL	65	Adj fil to 2.8,
3BN4A	GM	T	43 250 10	3.0	D	O	B	150	CCW	-----	RL	65	
3BN6	GM	T	34 275 16	3.0	5	N	D	75	2.0	67.5	RL	65	Adj fil to 3.15,
3BU8	GM	T	45 782 19	3.0	5	L	D	150	1.0	100	RL	65	Pentode #1, Adj fil to 3.15,
3BU8	GM	T	45 782 16	3.0	5	L	D	150	1.0	100	RL	65	Pentode #2, Adj fil to 3.15,
3BX6	GM	T	45 278 19	3.0	5	K	B	170	2.0	170	RL	65	Adj fil to 3.4,
3BY6	GM	T	34 165 27	3.0	5	P	C	100	2.0	50	RL	65	Adj fil to 3.15,
3BZ6	GM	T	34 156 27	3.0	D	H	B	200	CCW	150	RL	65	Adj fil to 3.15,
3C2	EM	T	27 0A0 00	3.0	5	G	A	150	0	-----	RL	60	Adj fil to 3.15,
3C4	GM	T	17 623 00	2.5	10	N	C	85	4.2	85	RL	65	Adj fil to 2.8,
3CB6	GM	T	34 156 27	3.0	D	H	B	200	CCW	150	RL	65	Adj fil to 3.15,
3CE5	GM	T	34 156 20	3.0	D	H	B	200	CCW	150	RL	65	Adj fil to 3.15,
3CF6	GM	T	34 156 27	3.0	D	H	B	200	CCW	150	RL	65	Adj fil to 3.15,
3CS6	GM	T	34 165 27	3.0	5	N	C	80	1.0	80	RL	65	Adj fil to 3.15,
3CY5	GM	T	34 156 20	3.0	5	L	B	125	1	80	RL	65	Adj fil to 3.15,
3D0/1200	GM	T	81 623 00	3.0	5	N	D	90	4.5	90	RL	65	Adj fil to 2.9,
3DK6	GM	T	34 156 27	3.0	A	K	B	125	CCW	125	RL	65	Adj fil to 2.8,
3DT6	GM	T	34 156 27	3.0	E	L	C	150	CCW	100	RL	65	Adj fil to 3.15,
3E5	GM	T	17 623 00	2.5	10	N	D	90	8.0	90	RL	65	Adj fil to 3.15,
3E6	GM	T	18 623 04	3.0	5	N	D	90	1.8	90	RL	65	
3E29	GM	T	57 613 40	6.3	50	II	B	220	10	155	RL	60	Pentode #1,
3E29	GM	T	51 2A3 40	6.3	50	II	B	220	10	155	RL	60	Pentode #2,
3EA5	GM	T	43 156 20	3.0	5	J	B	250	1.0	140	RL	65	Adj fil to 2.8,
3ER5	GM	T	43 256 70	3.0	5	M	B	200	1.2	-----	RL	65	Adj fil to 2.9,
3EV5	GM	T	34 156 20	3.0	5	M	B	200	1.2	80	RL	63	
3FH5	GM	T	34 250 70	3.0	5	M	B	135	1.0	-----	RL	63	Adj fil to 2.8,
3FQ5	GM	T	43 250 16	3.0	5	K	B	135	1.2	-----	RL	65	Adj fil to 3.1,
3FV5	GM	T	34 250 16	3.0	5	K	B	135	1.0	-----	RL	65	Adj fil to 2.8,
3GK5	GM	T	34 250 70	3.0	5	K	A	135	1.0	-----	RL	65	Adj fil to 2.8,
3G88	GM	T	54 782 19	3.0	5	N	D	100	0	67.5	RL	65	Pentode #1, Adj fil to 9.15,
3G88	GM	T	54 732 16	3.0	5	N	D	100	0	67.5	RL	65	Pentode #2, Adj fil to 9.15,
3LE4	GM	T	81 623 00	3.0	10	N	D	90	9	90	RL	60	Adj fil to 2.8,
3LF4	GM	T	81 623 00	3.0	5	N	D	90	4.5	90	RL	65	Adj fil to 2.8,
3Q1	GM	T	71 324 00	3.0	5	N	D	90	4.5	90	RL	65	Adj fil to 2.8,
3Q6GT	GM	T	72 534 00	3.0	5	N	D	90	4.5	90	RL	65	Adj fil to 2.8,
3S4	GM	T	17 324 00	3.0	10	N	D	75	7	67.5	RL	65	Adj fil to 2.8,

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Min- imum limits	Notes
				Flament	Bias	PI SCR	Gm SIG	Plate	Bias	Screen				
3V4	GM	T	17 623 00	3.0	5	N	D	90	4.5	90	RL	67	Adj fl to 2.8.	
4AU6	GM	T	34 156 72	4.2	C	N	C	100	CCW	100	RL	65	Triode sect.	
4AV6	GM	T	34 170 20	4.2	5	J	D	250	2.0	---	RL	65	Diode #1.	
4AV6	EM	T	34 060 20	4.2	5	S	B	---	0	---	RL	25	Diode #2.	
4AV6	EM	T	34 050 20	4.2	5	S	B	20 AC	0	---	RL	25	Diode #2.	
4BA6	GM	T	34 156 72	4.2	A	M	C	220	CCW	100	RL	65		
4BC5	GM	T	34 156 20	4.2	C	J	B	250	CCW	150	RL	65		
4BC8	GM	T	45 700 89	4.2	D	G	C	150	CCW	---	RL	65	Triode #1, Adj fl to 4.2.	
4BC8	GM	T	45 210 39	4.2	D	G	C	150	CCW	---	RL	65	Triode #2, Adj fl to 4.2.	
4BE6	GM	T	34 165 27	4.2	5	N	A	110	1.0	110	RL	65		
4BL8	OM	T	54 263 71	4.2	5	K	B	170	2.1	170	RL	65		
4BL8	GM	T	54 910 86	4.2	5	N	C	100	2.0	---	RL	65	Pentode sect, Adj fl to 4.6.	
4BN4	GM	T	34 250 10	4.2	D	G	B	150	CCW	---	RL	65	Triode sect, Adj fl to 4.6.	
4BN6	GM	T	34 275 16	4.2	5	N	D	75	2.0	67.5	RL	65		
4BQ7A	GM	T	45 760 89	4.2	D	G	C	150	CCW	---	RL	65	Triode #1, Adj fl to 4.2.	
4BQ7A	OM	T	45 210 39	4.2	D	G	C	150	CCW	---	RL	65	Triode #2, Adj fl to 4.2.	
4BS8	GM	T	45 760 80	4.2	D	G	B	150	CCW	---	RL	65	Triode #1, Adj fl to 4.2.	
4BS8	GM	T	45 210 30	4.2	D	G	B	150	CCW	---	RL	65	Triode #2, Adj fl to 4.2.	
4BU8	GM	T	45 782 19	4.2	5	L	D	150	1.0	100	RL	65	Pentode #1.	
4BU8	GM	T	45 732 16	4.2	5	L	D	150	1.0	100	RL	65	Pentode #2.	
4BX8	OM	T	45 760 89	4.2	5	P	B	65	1.5	---	RL	65	Triode #1, Adj fl to 4.5.	
4BX8	GM	T	45 210 39	4.2	5	P	B	65	1.5	---	RL	65	Triode #2, Adj fl to 4.5.	
4BZ6	GM	T	34 156 27	4.2	D	H	B	200	CCW	150	RL	65		
4BZ7	GM	T	45 760 89	4.2	D	G	B	150	CCW	---	RL	65	Triode #1, Adj fl to 4.2.	
4BZ7	GM	T	45 210 39	4.2	D	G	B	150	CCW	---	RL	65	Triode #2, Adj fl to 4.2.	
4BZ8	GM	T	45 760 89	4.2	B	M	B	125	CCW	---	RL	65	Triode #1.	
4BZ8	GM	T	45 210 39	4.2	B	M	B	125	CCW	---	RL	65	Triode #2.	
4CB6	GM	T	34 156 27	4.2	D	H	B	200	CCW	150	RL	65		
4CE5	GM	T	34 156 20	4.2	5	N	C	80	1.0	80	RL	65	Adj fl to 4.5.	
4CS6	GM	T	34 165 27	4.2	5	L	B	125	1.0	80	RL	65		
4CY5	OM	T	34 156 20	4.2	D	H	B	200	CCW	150	RL	65		
4DE6	GM	T	34 156 27	4.2	E	L	C	150	CCW	100	RL	65		
4DT6	GM	T	45 760 80	4.2	5	N	B	90	1.7	---	RL	65	Triode #1.	
4ES8	GM	T	45 210 30	4.2	5	N	B	90	1.7	---	RL	65	Triode #2.	
4ES8	GM	T	43 156 27	4.2	A	G	B	150	CCW	125	RL	65		
4EW6	GM	T	54 782 19	4.2	5	N	D	100	0	67.5	RL	65	Pentode #1.	
4GS8	GM	T	54 732 16	4.2	5	N	D	100	0	67.5	RL	65	Pentode #2.	
5AM8	GM	T	45 263 19	5.0	C	H	B	200	CCW	150	RL	65	Pentode sect, Adj fl to 4.7.	
5AM8	EM	T	45 080 70	5.0	5	S	A	20 AC	0	---	RL	50	Diode sect, Adj fl to 4.7.	
5AN8	GM	T	45 867 91	5.0	D	H	B	200	CCW	150	RL	65	Pentode sect, Adj fl to 4.7.	

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Mini- mum limits	Notes	
				Filament	Bias	PI SCR	Gm SIG	Plate	Bias	Screen					Sig VR
6AN8	GM	T	45 210 36	5.0	10	C	C	200	6.0	-----	RL	62	P4	65	Triode sect. Adj fil to 4.7.
6AQ5	GM	T	34 164 20	5.0	10	K	C	180	8.5	180	RL	54	P4	65	Adj fil to 4.7.
6AS8	GM	T	45 291 37	5.0	D	H	B	200	CCW	150	RL	88	P4	65	Pentode sect. Adj fil to 4.7.
6AS8	EM	T	45 060 87	5.0	5	S	B	20 AG	0	-----	RL	18	P2	50	Diode sect. Adj fil to 4.7.
6AT8	GM	T	45 967 38	5.0	D	J	C	250	CCW	160	RL	42	P4	65	Pentode sect. Adj fil to 4.7.
6AT8	GM	T	45 120 30	5.0	D	N	B	100	CCW	-----	RL	89	P4	65	Diode sect. Adj fil to 4.7.
6AV8	GM	T	45 698 70	5.0	D	H	B	200	CCW	150	RL	89	P4	65	Pentode sect. Adj fil to 4.7.
6AV8	GM	T	45 230 10	5.0	10	G	C	200	6.0	-----	RL	53	P4	65	Triode sect. Adj fil to 4.7.
6B8	GM	T	45 698 71	5.0	D	H	B	200	CCW	150	RL	88	P4	65	Pentode sect. Adj fil to 4.7.
6B8	GM	T	45 230 19	5.0	10	G	C	200	6.0	-----	RL	52	P4	65	Triode sect. Adj fil to 4.7.
6BE8	GM	T	45 967 83	5.0	A	J	D	250	CCW	135	RL	92	P4	65	Pentode sect. Adj fil to 4.7.
6BE8	GM	T	45 120 30	5.0	A	M	B	150	CCW	-----	RL	43	P4	65	Pentode sect. Adj fil to 4.7.
6BK7A	GM	T	45 760 89	5.0	A	M	B	150	CCW	-----	RL	38	P4	65	Triode #1. Adj fil to 4.7.
6BK7A	GM	T	45 210 39	5.0	A	M	B	150	CCW	-----	RL	38	P4	65	Triode #2. Adj fil to 4.7.
6BQ7A	GM	T	45 700 89	5.0	D	G	C	150	CCW	-----	RL	27	P4	65	Triode #1. Adj fil to 5.6.
6BQ7A	GM	T	45 210 39	5.0	D	G	C	150	CCW	-----	RL	27	P4	65	Triode #2. Adj fil to 5.6.
6BR8	GM	T	45 967 80	5.0	A	J	B	250	CCW	135	RL	93	P4	65	Pentode sect. Adj fil to 4.7.
6BR8	GM	T	45 120 30	5.0	A	M	B	150	CCW	-----	RL	43	P4	65	Triode sect. Adj fil to 4.7.
6BR8	GM	T	45 700 80	5.0	D	G	B	150	CCW	-----	RL	04	P4	65	Triode #1. Adj fil to 5.6.
6BR8	GM	T	45 210 30	5.0	D	G	B	150	CCW	-----	RL	04	P4	65	Triode #2. Adj fil to 5.6.
6BT8	GM	T	45 807 90	5.0	C	H	B	200	CCW	150	RL	77	P4	65	Pentode sect. Adj fil to 4.7.
6BT8	EM	T	45 010 30	5.0	5	S	B	20 AG	0	-----	RL	28	P2	50	Diode #1. Adj fil to 4.7.
6BT8	EM	T	45 020 30	5.0	5	S	B	20 AG	0	-----	RL	28	P2	50	Diode #2. Adj fil to 4.7.
6BW3	GM	T	54 698 70	5.0	A	J	B	250	CCW	135	RL	95	P4	65	Pentode sect. Adj fil to 4.7.
6BW8	EM	T	54 030 21	5.0	5	S	A	20 AC	0	-----	RL	90	P2	50	Diode #1. Adj fil to 4.7.
6BW8	EM	T	54 010 23	5.0	5	S	A	20 AC	0	-----	RL	90	P2	50	Diode #2. Adj fil to 4.7.
6BZ7	GM	T	45 700 89	5.0	D	G	B	150	CCW	-----	RL	74	P4	65	Triode #1. Adj fil to 5.6.
6BZ7	GM	T	45 210 39	5.0	D	G	B	150	CCW	-----	RL	74	P4	65	Triode #2. Adj fil to 5.6.
6CG8	GM	T	45 967 80	5.0	D	J	C	250	CCW	150	RL	42	P4	65	Pentode sect. Adj fil to 4.7.
6CG8	GM	T	45 120 30	5.0	B	N	B	100	CCW	-----	RL	89	P4	65	Triode sect. Adj fil to 4.7.
6CL8	GM	T	45 967 80	5.0	5	G	B	150	1.0	125	RL	88	P4	65	Tetrode sect. Adj fil to 4.7.
6CL8	GM	T	45 120 30	5.0	A	K	B	125	CCW	-----	RL	54	P4	65	Triode sect. Adj fil to 4.7.
6CM6	GM	T	45 391 70	5.0	10	K	C	180	8.5	180	RL	54	P4	65	Adj fil to 4.7.
6CM8	GM	T	45 267 30	5.0	D	H	B	200	CCW	150	RL	83	P4	65	Pentode sect. Adj fil to 4.7.
6CM8	GM	T	45 910 80	5.0	5	G	C	250	2.0	-----	RL	83	P4	65	Triode sect. Adj fil to 4.7.
6CQ8	GM	T	45 203 70	5.0	5	G	B	150	1.0	125	RL	83	P4	65	Tetrode sect. Adj fil to 4.7.
6CQ8	GM	T	45 910 80	5.0	A	K	B	125	CCW	-----	RL	55	P4	65	Triode sect. Adj fil to 4.7.
6CZ5	GM	T	45 391 70	5.0	50	G	C	250	14.0	250	RL	30	P4	65	Adj fil to 4.7.
6DH8	GM	T	45 967 83	5.0	A	G	B	160	CCW	125	RL	48	P4	65	Pentode sect. Adj fil to 5.2.
6DH8	GM	T	45 120 30	5.0	E	J	C	200	CCW	-----	RL	43	P4	65	Triode sect. Adj fil to 5.2.
6EAS	GM	T	45 263 70	5.0	5	K	B	150	1.0	125	RL	80	P4	65	Pentode sect. Adj fil to 4.7.

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Minim- imum limits	Notes
				Filament	Bias	PI SCR	Gm SIG	Plate	Bias	Screen				
5EA8	GM	T	45 910 80	5.0	A	K	B	150	0	---	RL	50	P4	Triode sect. Adj fil to 4.7.
5EH8	GM	T	45 708 60	5.0	5	K	B	150	1.0	125	RL	85	P4	Pentode sect. Adj fil to 4.7.
5EH8	GM	T	45 230 10	5.0	5	M	B	125	1.0	---	RL	60	P4	Triode sect. Adj fil to 4.7.
5ES8	GM	T	45 760 80	5.0	5	N	B	90	1.7	---	RL	25	P4	Triode #1. Adj fil to 5.6.
5ES8	GM	T	45 210 30	5.0	5	N	B	90	1.7	---	RL	25	P4	Triode #2. Adj fil to 5.6.
5EU8	GM	T	45 719 80	5.0	5	K	B	150	1.0	125	RL	80	P4	Pentode sect. Adj fil to 4.7.
5EU8	GM	T	45 230 60	5.0	A	K	B	150	0	---	RL	50	P4	Triode sect. Adj fil to 4.7.
5EW6	GM	T	43 156 27	5.0	A	O	B	150	CCW	125	RL	21	P4	Adj fil to 5.6.
5FG7	GM	T	45 967 80	5.0	5	K	B	125	1.0	125	RL	85	P4	Pentode sect. Adj fil to 4.7.
5FG7	GM	T	45 120 30	5.0	5	G	B	125	1.1	---	RL	60	P4	Triode sect. Adj fil to 4.7.
5FV8	GM	T	45 967 80	5.0	5	O	B	125	1.0	125	RL	77	P4	Pentode sect. Adj fil to 4.7.
5FV8	GM	T	45 120 30	5.0	5	G	B	125	1.0	125	RL	57	P4	Triode sect. Adj fil to 4.7.
5GH8	GM	T	45 263 70	5.0	5	K	B	125	1.0	---	RL	70	P4	Pentode sect. Adj fil to 4.7.
5GH8	GM	T	45 110 80	5.0	5	K	B	125	1.0	---	RL	63	P4	Triode sect. Adj fil to 4.7.
5J6	GM	T	34 520 76	5.0	B	N	B	100	CCW	---	RL	91	P4	Triode #1. Adj fil to 4.7.
5J6	GM	T	34 610 75	5.0	B	N	B	100	CCW	---	RL	91	P4	Triode #2. Adj fil to 4.7.
5R4G4	EM	T	28 960 00	5.0	5	R	A	35 AC	0	---	RL	52	P2	Diode #1.
5R4G4	EM	T	28 040 00	5.0	5	R	A	35 AC	0	---	RL	52	P2	Diode #2.
5T8	GM	T	45 890 70	5.0	5	U	D	250	3.0	---	RL	68	P4	Triode sect.
5T8	EM	T	45 060 70	5.0	5	S	A	20 AC	0	---	RL	50	P2	Diode #1.
5T8	EM	T	45 020 30	5.0	5	S	A	20 AC	0	---	RL	50	P2	Diode #2.
5T8	EM	T	45 010 70	5.0	5	S	A	20 AC	0	---	RL	50	P2	Diode #3.
5U8	GM	T	45 263 70	5.0	A	J	B	250	CCW	135	RL	95	P4	Pentode sect. Adj fil to 4.7.
5U8	GM	T	45 910 80	5.0	A	G	B	150	CCW	---	RL	47	P4	Triode sect. Adj fil to 4.7.
5V6	GM	T	27 534 80	5.0	50	K	C	180	8.5	180	RL	59	P4	Pentode sect. Adj fil to 4.7.
5X8	GM	T	45 798 61	5.0	D	J	C	250	CCW	150	RL	42	P4	Pentode sect. Adj fil to 4.7.
5X8	GM	T	45 230 60	5.0	B	N	B	100	CCW	---	RL	89	P4	Triode sect.
6AB8	GM	T	45 988 37	6.3	10	K	C	170	6.5	170	RL	66	P4	Pentode sect.
6AB8	GM	T	45 210 30	6.3	5	N	D	100	2.0	---	RL	73	P4	Triode sect.
6AJ8	GM	T	45 351 37	6.3	5	L	C	200	1.5	150	RL	79	P4	Heptode sect.
6AJ8	GM	T	45 980 36	6.3	5	L	C	150	1.5	---	RL	52	P4	Triode sect.
6AK8	GM	T	45 890 76	6.3	5	J	D	250	3.0	---	RL	55	P4	Triode sect.
6AK8	EM	T	45 060 79	6.3	5	S	B	20 AC	0	---	RL	65	P2	Diode #1.
6AK8	EM	T	45 020 30	6.3	5	S	A	20 AC	0	---	RL	65	P2	Diode #2.
6AK8	EM	T	45 010 79	6.3	5	S	A	20 AC	0	---	RL	65	P2	Diode #3.
6AN8	GM	T	45 807 91	6.3	D	H	B	200	CCW	150	RL	88	P4	Pentode sect.
6AN8	GM	T	45 210 36	6.3	10	O	C	200	6.0	---	RL	52	P4	Triode sect.
6AQ4	GM	T	43 170 50	6.3	5	J	B	250	1.5	---	RL	42	P4	Triode sect.
6AQ5	GM	T	34 156 22	6.3	50	O	C	230	12.5	225	RL	42	P4	Short in Z.
6AQ8	GM	T	45 760 89	6.3	5	N	C	100	1.0	---	RL	50	P4	Triode #1.
6AQ8	GM	T	45 210 39	6.3	5	N	C	100	1.0	---	RL	50	P4	Triode #2.



Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting			Shunt	Press to test	Mini- mum limits	Notes				
				Filament	Bias	PI SCR	Gm SIG	Plate	Bias					Screen	Sig VR		
6AR5	GM	T	34	156	22	6.3	60	G	D	230	18	225	RL	36	P4	65	Short in Z.
6AR6/0098	GM	T	68	735	10	6.3	60	G	C	230	22	225	RL	34	P4	65	Plate #1.
6AR8	GM	T	45	603	72	6.3	60	G	C	250	CCW	250	RL	63	P4	65	Plate #2.
6AR8	GM	T	45	683	71	6.3	60	G	C	250	CCW	250	RL	53	P4	65	Pentode sect.
6AS8	GM	T	45	291	37	6.3	60	H	B	200	CCW	150	RL	88	P4	50	Diode sect.
6AS8	EM	T	45	660	80	6.3	60	S	C	20 AC	0	-----	RL	18	P2	65	Pentode sect.
6AT8	GM	T	45	997	38	6.3	60	J	B	250	CCW	150	RL	42	P4	65	Triode sect.
6AT8	GM	T	45	120	30	6.3	60	N	B	100	CCW	-----	RL	89	P4	65	Triode #1.
6AU7	GM	T	45	700	80	6.3	60	G	C	250	8.5	-----	RL	73	P4	65	Triode #2.
6AU7	GM	T	45	210	30	6.3	60	G	C	250	8.5	-----	RL	73	P4	65	Pentode sect.
6AU8	GM	T	45	708	60	6.3	60	L	B	200	CCW	125	RL	79	P4	65	Triode sect.
6AU8	GM	T	45	230	10	6.3	60	L	C	150	CCW	-----	RL	43	P4	65	Triode #1.
6AW7	GM	T	78	260	10	6.3	60	N	D	150	1.9	-----	RL	100	P4	65	Triode #2.
6AW7	EM	T	78	290	50	6.3	60	S	B	20 AC	0	-----	RL	22	P2	65	Pentode sect.
6AW7	EM	T	78	240	10	6.3	60	S	B	20 AC	0	-----	RL	22	P2	65	Diode #1.
6AW8	GM	T	45	708	60	6.3	60	H	B	200	CCW	150	RL	49	P4	65	Diode #2.
6AW8	GM	T	45	230	10	6.3	60	H	C	200	2.0	-----	RL	49	P4	65	Pentode sect.
6AX7	GM	T	45	700	80	6.3	60	G	C	225	2.0	-----	RL	49	P4	65	Triode sect.
6AX7	GM	T	45	210	30	6.3	60	G	C	225	2.0	-----	RL	100	P4	65	Triode #1.
6AX8	GM	T	45	263	70	6.3	60	J	C	250	CCW	135	RL	100	P4	65	Triode #2.
6AX8	GM	T	45	910	80	6.3	60	M	B	150	CCW	-----	RL	38	P4	65	Pentode sect.
6AZ5	EM	T	36	080	74	6.3	60	S	A	20 AC	0	-----	RL	50	P4	65	Triode sect.
6AZ5	EM	T	36	010	24	6.3	60	S	A	20 AC	0	-----	RL	85	P2	50	Diode #1.
6AZ6	EM	T	36	020	48	6.3	60	S	B	20 AC	0	-----	RL	85	P2	50	Diode #2.
6AZ6	EM	T	36	070	58	6.3	60	S	B	20 AC	0	-----	RL	21	P2	50	Diode #1.
6AZ8	GM	T	45	612	30	6.3	60	H	B	20 AC	0	-----	RL	21	P2	50	Diode #2.
6AZ8	GM	T	45	980	70	6.3	60	H	C	200	CCW	150	RL	88	P4	65	Pentode sect.
6BA5	GM	T	36	157	80	6.3	60	N	C	200	6.0	-----	RL	52	P4	65	Triode sect.
6BA8	GM	T	45	798	60	6.3	60	N	C	100	CCW	100	RL	60	P4	65	Pentode sect.
6BA8	GM	T	45	230	10	6.3	60	H	B	200	CCW	150	RL	51	P4	65	Triode sect.
6BC4	GM	T	45	210	60	6.3	60	G	C	200	8.0	-----	RL	58	P4	65	Pentode sect.
6BC8	GM	T	45	700	89	6.3	60	K	B	150	CCW	-----	RL	40	P4	65	Triode sect.
6BC8	GM	T	45	210	39	6.3	60	G	C	150	CCW	-----	RL	28	P4	65	Triode #1.
6BE7	GM	T	45	716	82	6.3	60	N	C	150	CCW	-----	RL	28	P4	65	Triode #2.
6BE8	GM	T	45	967	83	6.3	60	J	C	70	2.0	70	RL	91	P4	65	Pentode sect.
6BE8	GM	T	45	120	30	6.3	60	M	B	250	CCW	135	RL	92	P4	65	Triode sect.
6BF5	GM	T	34	756	22	6.3	60	K	B	125	CCW	-----	RL	43	P4	65	Short in Z.
6BG7	GM	T	36	780	50	6.3	60	N	C	100	6.8	100	RL	61	P4	65	Triode #1.
6BG7	GM	T	36	210	40	6.3	60	N	C	100	CCW	-----	RL	41	P4	65	Triode #2.
6BH8	GM	T	45	798	60	6.3	60	L	B	200	CCW	125	RL	60	P4	65	Pentode sect.
6BH8	GM	T	45	230	10	6.3	60	M	C	150	6.0	-----	RL	58	P4	65	Triode sect.

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Mini- mum limits	Notes
				Flament	Bias	PI SCR	Gm SIG	Plate	Bias	Screen				
6BJ7	EM	T	45 080 93	6.3	5 S	B	A	20 AC	0	-----	RL	P2	50	Diode #1.
6BJ7	EM	T	45 060 73	6.3	5 S	S	A	20 AC	0	-----	RL	P2	50	Diode #2.
6BJ7	EM	T	45 020 13	6.3	5 S	S	A	20 AC	0	-----	RL	P2	50	Diode #3.
6BJ8	GM	T	45 870 90	6.3	10 G	G	C	250	9.0	-----	RL	P4	65	Triode sect.
6BJ8	EM	T	45 050 30	6.3	5 S	S	A	20 AC	0	-----	RL	P2	50	Diode #1.
6BJ8	EM	T	45 010 20	6.3	5 S	S	A	20 AC	0	-----	RL	P2	50	Diode #2.
6BL8	GM	T	54 293 71	6.3	5 K	K	B	170	2.1	170	RL	P4	65	Triode sect.
6BL8	GM	T	54 910 86	6.3	5 N	N	C	100	2.0	-----	RL	P4	65	Triode sect.
6BM8	GM	T	45 397 20	6.3	10 N	N	B	100	6.0	100	RL	P4	65	Pentode sect.
6BM8	GM	T	45 190 80	6.3	5 N	N	C	100	0	-----	RL	P4	65	Triode sect.
6BN4	GM	T	34 250 10	6.3	D G	G	B	150	CCW	-----	RL	P4	65	Pentode sect.
6BN4A	GM	T	43 250 10	6.3	D G	G	B	150	CCW	-----	RL	P4	65	Triode sect.
6BN8	GM	T	45 870 90	6.3	5 G	G	C	100	1.0	-----	RL	P4	65	Triode sect.
6BN8	EM	T	45 050 30	6.3	5 S	S	A	20 AC	0	-----	RL	P2	50	Diode #1.
6BN8	EM	T	45 010 20	6.3	5 S	S	A	20 AC	0	-----	RL	P2	50	Diode #2.
6BR5	ER	T	45 197 20	6.3	5 G	G	F	200	0	200	RL	P4	50	Eye open.
6BR5	ER	T	45 190 27	6.3	5 G	G	F	200	0	200	RL	P4	50	Eye closed.
6BR8	GM	T	45 967 80	6.3	A J	J	B	150	CCW	135	RL	P4	65	Pentode sect.
6BR8	GM	T	45 120 30	6.3	A M	M	D	150	CCW	-----	RL	P4	65	Triode sect.
6BS7	GM	T	45 A78 39	6.3	5 M	D	B	210	3.0	100	RL	P4	65	Triode #1.
6BS8	GM	T	45 760 80	6.3	D G	G	B	150	CCW	-----	RL	P4	65	Triode #2.
6BS8	GM	T	45 210 30	6.3	D G	G	B	150	CCW	-----	RL	P4	65	Pentode sect.
6BT8	GM	T	45 867 90	6.3	C H	H	B	200	CCW	150	RL	P4	65	Diode #1.
6BT8	EM	T	45 010 30	6.3	5 S	S	B	20 AC	0	-----	RL	P2	50	Diode #2.
6BT8	EM	T	45 020 30	6.3	5 S	S	B	20 AC	0	-----	RL	P2	50	Diode #1.
6BU8	GM	T	45 782 19	6.3	5 L	L	D	150	1.0	100	RL	P4	65	Pentode #1.
6BU8	GM	T	45 732 16	6.3	5 L	L	D	150	1.0	100	RL	P4	65	Pentode #2.
6BV8	GM	T	45 230 10	6.3	E G	G	B	200	CCW	-----	RL	P4	65	Triode sect.
6BV8	EM	T	45 050 70	6.3	5 S	S	B	20 AC	0	-----	RL	P2	50	Diode #1.
6BV8	EM	T	45 060 80	6.3	5 S	S	B	20 AC	0	-----	RL	P2	50	Diode #2.
6BW8	GM	T	45 698 70	6.3	A J	J	B	250	CCW	135	RL	P2	65	Pentode sect.
6BW8	EM	T	45 030 21	6.3	5 S	S	A	20 AC	0	-----	RL	P2	50	Diode #1.
6BW8	EM	T	45 010 23	6.3	5 S	S	A	20 AC	0	-----	RL	P2	50	Diode #2.
6BX6	GM	T	45 278 19	6.3	5 K	K	B	170	2.0	170	RL	P4	65	Triode #1.
6BX8	GM	T	45 760 80	6.3	5 P	P	B	65	1.5	-----	RL	P4	65	Triode #2.
6BX8	GM	T	45 210 30	6.3	5 P	P	B	65	1.5	-----	RL	P4	65	Triode #1.
6BY6	GM	T	34 165 27	6.3	5 P	P	C	100	2.0	50	RL	P4	65	Triode #2.
6BY7	GM	T	45 278 19	6.3	5 M	M	B	225	1.0	100	RL	P4	65	Pentode sect.
6BY8	GM	T	45 178 92	6.3	C N	N	C	100	CCW	100	RL	P4	65	Diode sect.
6BY8	EM	T	45 060 30	6.3	5 S	S	A	20 AC	0	-----	RL	P2	50	Diode sect.
6BZ6	GM	T	34 156 27	6.3	D H	H	B	200	CCW	150	RL	P4	65	Diode sect.

Tube type	Test	Function	Selectors (L. to R.)	Range				Meter setting				Shunt	Press to test	Min- imum limits	Notes
				Filament	Bias	PI SCR	Gm SIG	Plate	Bias	Screen	Sig VR				
6BZ8	GM	T	45 700 86	6.3	B	M	B	CCW	125	CCW	RL	62	P4	65	Triode #1.
6BZ8	GM	T	45 210 30	6.3	B	M	B	CCW	125	CCW	RL	62	P4	65	Triode #2.
6CA5	GM	T	34 276 10	6.3	B	K	B	4.5	125	125	RL	45	P4	65	
6CA7	GM	T	27 634 81	6.3	50	G	B	13.5	250	250	RL	30	P4	65	
6CB5	GM	T	27 4A1 30	6.3	50	K	D	30.0	175	175	RL	52	P4	65	
6CD7	ER	T	72 450 80	6.3	50	K	E					0	P5		
6CE5	GM	T	34 156 20	6.3	D	H	B	CCW	150	CCW	RL	88	P4	65	
6CF6	GM	T	34 156 27	6.3	D	H	B	CCW	150	CCW	RL	88	P4	65	
6CG8	GM	T	45 967 80	6.3	D	J	C	CCW	150	CCW	RL	42	P4	65	Pentode sect.
6CG8	GM	T	45 120 30	6.3	B	N	B	CCW	150	CCW	RL	89	P4	65	Triode sect.
6CH7	GM	T	45 700 80	6.3	D	G	B	CCW	150	CCW	RL	76	P4	65	Triode #1.
6CH7	GM	T	45 210 30	6.3	D	G	B	CCW	150	CCW	RL	76	P4	65	Triode #2.
6CH8	GM	T	45 723 60	6.3	D	H	B	CCW	150	CCW	RL	88	P4	65	Pentode sect.
6CH8	GM	T	45 800 10	6.3	10	G	C	6.0			RL	52	P4	65	Triode sect.
6CK4	GM	T	72 150 80	6.3	50	G	C	28.0			RL	33	P4	65	
6CL5	GM	T	72 5A1 60	6.3	50	K	B	40.0	175	175	RL	77	P4	65	
6CL8	GM	T	45 967 80	6.3	5	G	B	1.0	125	125	RL	88	P4	65	Tetrode sect.
6CL8	GM	T	45 120 30	6.3	A	K	B	CCW			RL	54	P4	65	Triode sect.
6CM4	GM	T	45 210 30	6.3	5	K	B	1.5			RL	20	P4	65	
6CM5	GM	T	72 5A4 80	6.3	10	N	B	8.2	100	100	RL	22	P4	65	
6CM6	GM	T	45 301 70	6.3	10	K	C	8.6	180	180	RL	54	P4	65	
6CM7	GM	T	45 700 30	6.3	10	G	C	7.0			RL	72	P4	65	Triode #1.
6CM7	GM	T	45 810 90	6.3	10	G	C	8.0			RL	36	P4	65	Triode #2.
6CM8	GM	T	45 267 30	6.3	D	H	B	CCW	150	CCW	RL	88	P4	65	Pentode sect.
6CM8	GM	T	45 910 80	6.3	5	G	C	2.0			RL	83	P4	65	Triode sect.
6CN0	GM	T	72 5A1 91	6.3	10	G	B	7.0	250	250	RL	22	P4	65	
6CN7	GM	T	45 780 60	6.3	5	G	D	3.0			EL	73	P4	65	Triode sect.
6CN7	EM	T	45 020 30	6.3	5	S	A	0	20 AC	20 AC	RL	64	P2	60	Diode #1.
6CN7	EM	T	45 010 30	6.3	5	S	A	0	20 AC	20 AC	RL	64	P2	60	Diode #2.
6CQ8	GM	T	45 263 70	6.3	5	G	B	1	125	125	RL	83	P4	65	Tetrode sect.
6CQ8	GM	T	45 910 80	6.3	A	K	B	CCW			RL	55	P4	65	Triode sect.
6CR5	GM	T	34 755 10	6.3	5	M	C	2.0	100	100	RL	86	P4	65	Pentode sect.
6CR6	EM	T	34 020 10	6.3	5	S	B	0	20 AC	20 AC	RL	65	P2	60	Diode sect.
6CR8	GM	T	45 267 38	6.3	5	G	B	0.7	125	125	RL	58	P4	63	Pentode sect.
6CR8	GM	T	45 910 80	6.3	5	M	C	2.0			RL	49	P4	63	Triode sect.
6CS6	GM	T	34 165 27	6.3	5	N	C	1.0	80	80	RL	53	P4	65	
6CS7	GM	T	45 760 80	6.3	50	G	C	8.5			RL	78	P4	65	Triode #1.
6CS7	GM	T	45 310 90	6.3	50	G	B	10.5			RL	92	P4	65	Triode #2.
6CU5	GM	T	34 276 10	6.3	50	K	B	8.0	110	110	RL	64	P4	65	
6CU6	CM	T	27 5A4 80	6.3	50	J	B	22.6	150	150	RL	95	P4	65	
6CU8	GM	T	45 723 60	6.3	D	H	B	CCW	150	CCW	RL	88	P4	65	Pentode sect.

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Mint- imum limits	Notes	
				Filament	Bias	P/ SCR	Gm SIG	Plate	Bias	Screen					Sig VR
6CU8	GM	T	45 890 10	6.3	10 G	C	C	200	6.0	---	RL	52	P4	65	Triode sect.
6CW4	GM	T	31 420 80	6.3	5 N	B	B	70	0.2	---	RL	25	P4	65	Use Hickok adapter code #1060-127.
6CW5	GM	T	45 279 30	6.3	50 K	B	B	170	12.0	170	RL	55	P4	65	Triode #1.
6CW7	GM	T	45 690 70	6.3	5 P	B	B	90	1.5	---	RL	80	P4	65	Triode #2.
6CX7	GM	T	45 230 10	6.3	5 P	B	B	90	1.5	---	RL	80	P4	65	Pentode sect.
6CX8	GM	T	45 708 60	6.3	A J	C	C	200	CCW	125	RL	38	P4	65	Triode #1.
6CY7	GM	T	45 230 10	6.3	C L	C	C	150	CCW	---	RL	41	P4	65	Triode #2.
6CY7	GM	T	45 760 80	6.3	5 J	D	D	225	3.0	---	RL	74	P4	65	Triode #1.
6CY7	GM	T	45 210 90	6.3	E N	B	B	90	CCW	---	RL	94	P4	65	Triode #2.
6CZ5	GM	T	45 391 70	6.3	50 G	C	C	250	14.0	250	RL	30	P4	65	
6DA6	GM	T	45 278 39	6.3	5 M	C	C	225	2.0	100	RL	62	P4	65	
6DA7	GM	T	45 760 80	6.3	10 J	C	C	225	8.0	---	RL	74	P4	65	Triode #1.
6DA7	GM	T	45 310 90	6.3	10 K	B	B	160	17.5	---	RL	92	P4	65	Triode #2.
6DB5	GM	T	45 301 70	6.3	10 N	B	B	110	7.5	110	RL	65	P4	65	
6DB6	GM	T	34 150 27	6.3	5 K	C	C	150	1.5	150	RL	55	P4	65	
6DC8	GM	T	45 261 39	6.3	5 M	C	C	220	2.0	100	RL	53	P4	65	
6DC8	EM	T	45 080 30	6.3	5 S	B	B	20 AC	0	---	RL	44	P4	65	Pentode sect.
6DC8	EM	T	45 070 30	6.3	5 S	B	B	20 AC	0	---	RL	44	P4	65	Diode #1.
6DE6	GM	T	34 166 27	6.3	5 S	B	B	20 AC	0	---	RL	44	P4	65	Diode #2.
6DE7	GM	T	45 700 80	6.3	D H	B	B	200	CCW	150	RL	88	P4	65	Triode #1.
6DE7	GM	T	45 210 90	6.3	50 J	C	C	225	12.0	---	RL	88	P4	65	Triode #2.
6DE7	GM	T	45 210 90	6.3	50 K	B	B	150	20.0	---	RL	76	P4	65	
6DG6	GM	T	27 534 80	6.3	10 N	B	B	110	7.5	110	RL	60	P4	65	
6DG7	GM	T	34 156 72	6.3	B M	C	C	175	CCW	80	RL	49	P4	65	
6DK6	GM	T	34 156 27	6.3	A K	B	B	125	CCW	125	RL	48	P4	65	
6DJ8	GM	T	45 700 80	6.3	5 N	B	B	90	1.3	---	RL	27	P4	65	Triode #1.
6DJ8	GM	T	45 210 30	6.3	5 N	B	B	90	1.3	---	RL	27	P4	65	Triode #2.
6DL5	GM	T	43 156 20	6.3	10 Q	C	C	250	9.0	250	RL	37	P4	63	
6DN6	GM	T	27 5A8 30	6.3	50 K	B	B	225	18.0	125	RL	45	P4	65	
6DN7	GM	T	78 450 60	6.3	10 J	C	C	250	8.0	---	RL	73	P4	65	Triode #1.
6DN7	GM	T	78 120 30	6.3	10 J	B	B	250	9.5	---	RL	60	P4	65	Triode #2.
6DQ5	GM	T	72 1A4 30	6.3	50 J	B	B	200	25.0	125	RL	28	P4	65	
6DQ6	GM	T	27 5A4 80	6.3	50 J	B	B	250	22.5	150	RL	87	P4	65	
6DR7	GM	T	54 760 80	6.3	5 J	D	D	250	3.0	---	RL	56	P4	65	Triode #1.
6DR7	GM	T	54 210 90	6.3	50 M	C	C	150	17.5	---	RL	52	P4	65	Triode #2.
6DS5	GM	T	34 150 20	6.3	10 G	B	B	200	7.5	200	RL	84	P4	65	
6DT5	GM	T	45 301 70	6.3	50 G	C	C	250	10.5	250	RL	47	P4	65	
6DT6	GM	T	34 156 27	6.3	E L	C	C	150	CCW	100	RL	87	P4	65	
6DT8	GM	T	45 700 89	6.3	5 J	C	C	250	2.0	---	RL	35	P4	65	Triode #1.
6DT8	GM	T	45 210 39	6.3	5 J	C	C	250	2.0	---	RL	35	P4	65	Triode #2.
6DW5	GM	T	45 391 70	6.3	50 H	C	C	210	22.5	150	RL	30	P4	60	

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting			Shunt	Press to test	Min- imum limits	Notes
				Flament	Bias	P1 SCR	Gm SIG	Bias	Screen				
6DX8	GM	T	45 869 70	6.3	10	K	B	200	RL	35	P4	65	Pentode sect.
6DX8	GM	T	45 120 30	6.3	5	K	C	200	RL	65	P4	65	Triode sect.
6DZ7	GM	T	27 564 80	6.3	10	G	B	250	RL	28	P4	63	Pentode #1.
6DZ7	GM	T	27 134 80	6.3	10	G	B	250	RL	28	P4	63	Pentode #2.
6EA5	GM	T	43 155 20	6.3	5	J	B	250	RL	67	P4	65	
6EA7	GM	T	78 450 60	6.3	10	J	D	250	RL	60	P4	63	Triode #1.
6EA7	GM	T	78 120 30	6.3	50	L	B	175	RL	77	P4	62	Triode #2.
6EA8	GM	T	45 263 70	6.3	5	K	B	125	RL	80	P4	65	Pentode sect.
6EA8	GM	T	45 910 80	6.3	A	K	B	0	RL	50	P4	65	Triode sect.
6EB5	EM	T	34 070 10	6.3	5	S	A	0	RL	27	P2	40	Diode #1.
6EB5	EM	T	34 020 50	6.3	5	S	A	0	RL	27	P2	40	Diode #2.
6EB8	GM	T	45 798 60	6.3	B	J	B	CCW	RL	30	P4	65	Pentode sect.
6EB8	GM	T	45 230 10	6.3	5	J	C	125	RL	68	P4	65	Triode sect.
6EH5	GM	T	34 276 10	6.3	10	K	B	110	RL	40	P4	65	
6EH7	GM	T	45 278 19	6.3	5	M	A	200	RL	65	P4	65	
6EH8	GM	T	45 798 60	6.3	5	K	B	2.0	RL	85	P4	65	Pentode sect.
6EH8	GM	T	45 230 10	6.3	5	M	B	1.0	RL	60	P4	65	Triode sect.
6EJ7	GM	T	45 278 19	6.3	5	K	A	200	RL	100	P4	65	
6EM5	GM	T	54 391 70	6.3	50	G	C	250	RL	37	P4	65	
6EM7	GM	T	78 450 60	6.3	5	J	D	18.0	RL	55	P4	63	Triode #1.
6EM7	GM	T	78 120 30	6.3	50	L	B	20.0	RL	67	P4	63	Triode #2.
6EQ7	GM	T	45 276 31	6.3	5	N	C	100	RL	100	P4	65	Pentode sect.
6EQ7	EM	T	45 080 30	6.3	5	S	B	0	RL	62	P4	65	
6ER5	GM	T	43 256 70	6.3	5	M	B	1.2	RL	28	P4	65	
6ES5	GM	T	34 250 10	6.3	5	G	B	1.0	RL	40	P4	63	
6ES8	GM	T	45 760 80	6.3	5	N	B	1.7	RL	25	P4	65	Triode #1.
6ES8	GM	T	45 210 30	6.3	5	N	B	1.7	RL	25	P4	65	Triode #2.
6ET7	GM	T	45 798 60	6.3	5	L	B	2.5	RL	29	P4	65	Pentode sect.
6ET7	EM	T	45 030 10	6.3	5	S	B	0	RL	63	P2	40	Diode #1.
6ET7	EM	T	21 870 90	6.3	5	J	D	0	RL	63	P2	40	Diode #2.
6EU7	GM	T	45 020 10	6.3	5	S	B	2.0	RL	62	P4	65	Triode #1.
6EU7	GM	T	21 560 40	6.3	5	J	D	2.0	RL	62	P4	65	Triode #2.
6EU8	GM	T	45 719 80	6.3	5	K	B	1.0	RL	80	P4	65	Pentode sect.
6EU8	GM	T	45 230 60	6.3	A	K	B	0	RL	60	P4	65	Triode sect.
6EV6	GM	T	34 155 20	6.3	5	M	B	1.2	RL	65	P4	63	
6EV7	GM	T	45 790 80	6.3	5	J	C	2.0	RL	35	P4	65	Triode #1.
6EV7	GM	T	45 210 30	6.3	5	J	C	2.0	RL	35	P4	65	Triode #2.
6EW6	GM	T	43 155 27	6.3	A	G	B	CCW	RL	21	P4	65	Triode #1.
6EW7	GM	T	45 760 80	6.3	50	J	C	125	RL	68	P4	65	Triode #1.
6EW7	GM	T	45 310 90	6.3	50	K	B	17.5	RL	62	P4	65	Triode #2.

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Mini- mum limits	Notes
				Filament	Bias	PI SCR	Om SIG	Plate	Bias	Screen				
6EX6	GM	T	72 5A8 30	6.3	50 G	G	B	175	30.0	RL	43 P4	63	Tubes showing shorts; Retest 72 5A1 30.	
6EY6	GM	T	27 534 80	6.3	50 G	G	C	RL	17.5	RL	43 P4	63		
6EZ5	GM	T	72 534 80	6.3	50 J	J	C	250	20.0	RL	45 P4	63		
6EZ8	GM	T	54 980 00	6.3	10 M	M	D	RL	5.0	RL	17 P4	63	Triode #1.	
6EZ8	GM	T	54 700 00	6.3	10 M	M	D	RL	5.0	RL	17 P4	63	Triode #2.	
6EZ8	GM	T	54 230 10	6.3	5 M	M	D	RL	1.0	RL	17 P4	63	Triode #3.	
6FA7	GM	T	45 708 61	6.3	5 N	N	D	RL	1.4	RL	53 P4	65	Tetrode #1.	
6FA7	GM	T	45 718 00	6.3	5 N	N	D	RL	1.4	RL	53 P4	65	Tetrode #2.	
6FA7	EM	T	45 930 61	6.3	5 S	S	B	RL	0	RL	58 P2	25	Diode sect.	
6FD6	EM	T	34 165 72	6.3	50 S	S	B	RL	0	RL	60 P2	65	No leakage test.	
6FE5	GM	T	72 534 80	6.3	50 K	K	B	RL	11	RL	40 P4	65		
6FG5	GM	T	43 156 70	6.3	5 G	G	B	RL	.2	RL	65 P4	65	Pentode sect.	
6FG7	GM	T	45 967 80	6.3	5 K	K	B	RL	1.0	RL	85 P4	65	Triode sect.	
6FG7	GM	T	45 120 30	6.3	5 G	G	B	RL	1.1	RL	60 P4	65		
6FH5	GM	T	34 250 70	6.3	5 M	M	B	RL	1.0	RL	44 P4	63		
6FH6	GM	T	72 5A4 80	6.3	50 J	J	B	RL	22.5	RL	87 P4	65		
6FH8	GM	T	54 697 00	6.3	10 N	N	E	RL	8.0	RL	20 P4	63	Tetrode plate #1.	
6FH8	GM	T	54 687 00	6.3	10 N	N	E	RL	4.6	RL	40 P4	63	Tetrode plate #2.	
6FH8	GM	T	54 617 00	6.3	10 N	N	E	RL	4.6	RL	40 P4	63	Tetrode plate #3.	
6FH8	EM	T	54 230 00	6.3	5 R	R	A	RL	0	RL	19 P4	63	Triode sect.	
6FM8	GM	T	45 890 70	6.3	5 G	G	D	RL	3.0	RL	68 P4	65	Triode sect.	
6FM8	EM	T	45 060 10	6.3	5 S	S	A	RL	0	RL	50 P2	50	Diode #1.	
6FMS	EM	T	45 020 30	6.3	5 S	S	A	RL	0	RL	50 P2	50	Diode #2.	
6FQ5	GM	T	43 250 70	6.3	5 K	K	B	RL	1.2	RL	24 P4	65		
6FQ5A	GM	T	34 250 70	6.3	5 M	M	B	RL	1.2	RL	31 P4	65		
6FQ7	GM	T	45 760 80	6.3	10 G	G	C	RL	8.0	RL	75 P4	65	Triode #1.	
6FQ7	GM	T	45 210 30	6.3	10 G	G	C	RL	8.0	RL	75 P4	65	Triode #2.	
6FS5	GM	T	34 156 70	6.3	5 J	J	B	RL	.2	RL	43 P4	65		
6FV6	GM	T	43 156 70	6.3	5 L	L	C	RL	1.0	RL	35 P4	65		
6FV8	GM	T	45 907 80	6.3	5 G	G	B	RL	1.0	RL	77 P4	63	Pentode sect.	
6FV8	GM	T	45 120 30	6.3	5 G	G	B	RL	1.0	RL	57 P4	63	Triode sect.	
6FW5	GM	T	27 158 30	6.3	50 J	J	C	RL	22.5	RL	22 P4	65		
6FW8	GM	T	45 760 80	6.3	5 L	L	B	RL	2.0	RL	25 P4	65	Triode #1.	
6FW8	GM	T	45 210 30	6.3	5 L	L	B	RL	2.0	RL	25 P4	65	Triode #2.	
6FY5	GM	T	34 250 16	6.3	5 K	K	B	RL	1.0	RL	20 P4	65		
6FY8	GM	T	45 367 20	6.3	50 K	K	B	RL	10.0	RL	62 P4	63	Pentode sect.	
6FY8	GM	T	45 190 80	6.3	5 M	M	D	RL	1.5	RL	33 P4	63	Triode sect.	
6G5	ER	T	16 540 30	6.3	5 G	G	F	RL	0	RL	0 P4	-----	Eye open.	
6G5	ER	T	16 542 30	6.3	5 G	G	F	RL	0	RL	0 P4	-----	Eye closed.	
6GC5	GM	T	45 001 70	6.3	50 K	K	B	RL	7.5	RL	55 P4	65		

Tube type	Test	Function	Selectors (L. to R.)	Range				Meter setting				Shunt	Press to test	Mini- mum limits	Notes
				Filament	Bias	PI SCR	Gm SIG	Plate	Bias	Screen	Sig VR				
6GE8	GM	T	45 891 76	0.3	5	K	C	150	2.0	150	RL	63	P4	65	Pentode sect.
6GE8	GM	T	45 360 29	0.3	50	K	B	150	21.0	RL	RL	100	P4	65	Triode sect.
6GH8	GM	T	45 263 70	0.3	5	K	B	125	1.0	125	RL	70	P4	63	Pentode sect.
6GH8	GM	T	45 910 80	0.3	5	K	B	125	1.0	RL	RL	49	P4	63	Triode sect.
6GK5	GM	T	34 250 70	0.3	5	K	A	135	1.0	RL	RL	100	P4	65	
6GK6	GM	T	45 278 13	0.3	10	G	B	250	7.3	250	RL	46	P4	63	
6GM5	GM	T	45 691 70	0.3	10	G	B	250	7.0	250	RL	33	P4	65	
6GM6	GM	T	43 156 27	0.3	5	J	B	175	.8	125	RL	34	P4	65	
6GM8	GM	T	45 760 80	0.3	5	Q	B	25	0	RL	RL	60	P4	65	Triode #1.
6GM8	GM	T	45 210 30	0.3	5	Q	B	25	0	RL	RL	60	P4	65	Triode #2.
6GNS	GM	T	45 798 60	0.3	5	L	B	200	3.0	150	RL	28	P4	63	Pentode sect.
6GNS	GM	T	45 230 10	0.3	5	J	D	250	2.0	RL	RL	27	P4	63	Triode sect.
6GSS	GM	T	54 782 19	0.3	5	N	D	100	0	67.5	RL	80	P4	65	Pentode #1.
6GSS	GM	T	54 732 16	0.3	5	N	D	100	0	67.5	RL	80	P4	65	Pentode #2.
6GW6	GM	T	27 5A4 80	0.3	50	J	B	250	22.5	150	RL	67	P4	65	If tube oscillates, turn grid selector to "P." Connect 1,000 $\omega$ , 1/2 W carbon resistor between pin 5 and top cap lead B.
6GX6	GM	T	34 156 27	0.3	D	L	G	150	CCW	100	RL	55	P4	65	
6GY6	GM	T	34 156 27	0.3	D	H	C	650	CCW	100	RL	54	P4	65	
6GY8	S	T	45 060 70	OFF	OFF										
6GY8	EM	T	45 060 70	0.3	5	S	A	125	0	RL	RL	70	P2	65	Triode #1. Shorts test only.
6GY8	GM	T	54 390 80	0.3	5	M	C	125	1.2	RL	RL	42	P4	65	Triode #1. Short on V.
6GY8	EM	T	54 120 00	0.3	5	S	B	35 AC	0	RL	RL	12	P2	65	Triode #2.
6HB6	GM	T	45 278 19	0.3	B	G	A	250	CCW	250	RL	55	P4	65	Triode #3.
6HF8	GM	T	45 798 60	0.3	B	J	B	200	CCW	125	RL	30	P4	65	Pentode sect.
6HF8	GM	T	45 230 10	0.3	5	J	C	200	2.0	RL	RL	45	P4	65	Triode sect.
6HJ8	GM	T	45 263 19	0.3	5	K	B	125	.5	125	RL	41	P4	65	Pentode sect.
6HJ8	EM	T	45 680 79	0.3	5	S	A	20 AC	0	RL	RL	84	P2	25	Diode sect.
6HS8	GM	T	45 732 16	0.3	5	N	D	97.6	0	67.5	RL	84	P4	65	Pentode #1.
6HS8	GM	T	45 261 30	0.3	5	M	D	97.5	0	67.5	RL	84	P4	65	Pentode #2.
6NS	GM	T	45 261 39	0.3	5	M	C	180	2.0	85	RL	84	P4	65	Pentode sect.
6NS	EM	T	45 271 39	0.3	5	S	B	20 AC	0	RL	RL	60	P2	50	Diode #1.
6NS	EM	T	45 281 39	0.3	5	S	B	20 AC	0	RL	RL	60	P2	50	Diode #2.
6R4	GM	T	45 180 30	0.3	5	K	C	120	2.0	RL	RL	49	P4	65	
6R8	GM	T	45 890 72	0.3	50	G	C	250	9.0	RL	RL	83	P4	65	Triode sect.
6R8	EM	T	45 010 78	0.3	5	S	A	20 AC	0	RL	RL	100	P2	50	Diode #1.
6R8	EM	T	45 060 78	0.3	5	S	A	20 AC	0	RL	RL	100	P2	50	Diode #2.
6R8	EM	T	45 020 39	0.3	5	S	A	20 AC	0	RL	RL	100	P2	50	Diode #3.
6S8	GM	T	78 B60 20	0.3	5	G	D	250	2.0	RL	RL	80	P4	65	Triode sect.

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Mini- mum limits	Notes
				Filament	Bias	PI SCR	Gm SIG	Plate	Bias	Screen				
6S8	EM	T	78	6.3	6	S	B	20 AC	0	RL	50	P2	50	Diode #1.
6S8	EM	T	78	6.3	6	S	B	20 AC	0	RL	50	P2	50	Diode #2.
6S8	EM	T	78	6.3	6	S	B	20 AC	0	RL	50	P2	50	Diode #3.
6X6	ER	T	72	6.3	5	G	F	230	0	RL	0	P4	50	Eyes open.
6X6	ER	T	72	6.3	5	G	F	230	0	RL	0	P4	50	Eyes closed.
7A6	EM	T	18	6.3	5	S	A	20 AC	0	RL	40	P4	50	Diode #1.
7A6	EM	T	18	6.3	5	S	A	20 AC	0	RL	40	P2	50	Diode #2.
7AD7	GM	T	18	6.3	5	J	B	250	3.0	RL	43	P4	65	
7AG7	GM	T	18	6.3	5	N	C	100	1.0	RL	85	P4	65	
7AH7	GM	T	18	6.3	5	G	C	250	2.0	RL	61	P4	65	
7AJ7	GM	T	18	6.3	5	N	C	100	1.0	RL	86	P4	65	
7AU7	GM	T	45	7.5	10	G	C	250	8.5	RL	75	P4	65	Triode #1. Adj fil to 7.0.
7AU7	GM	T	45	7.5	10	G	C	250	8.5	RL	75	P4	65	Triode #2. Adj fil to 7.0.
7EY6	GM	T	72	7.5	60	G	C	200	17.5	RL	47	P4	65	Adj fil to 7.2.
8AU8	GM	T	45	7.5	B	L	B	200	CCW	RL	79	P4	65	Pentode sect. Adj fil to 8.4.
8AU8	GM	T	45	7.5	C	L	C	150	CCW	RL	43	P4	65	Triode sect. Adj fil to 8.4.
8AU8	GM	T	45	7.5	D	H	B	200	CCW	RL	49	P4	65	Pentode sect. Adj fil to 8.4.
8AW8	GM	T	45	7.5	5	H	C	200	2.0	RL	49	P4	65	Triode sect. Adj fil to 8.4.
8AW8	GM	T	45	7.5	5	H	C	200	2.0	RL	49	P4	65	Pentode sect. Adj fil to 8.4.
8BA8A	GM	T	45	7.5	D	H	B	200	CCW	RL	51	P4	65	Triode sect. Adj fil to 8.4.
8BA8A	GM	T	45	7.5	10	G	C	200	8.0	RL	58	P4	65	Pentode sect. Adj fil to 8.4.
8BH8	GM	T	45	7.5	A	L	B	150	5.0	RL	38	P4	65	Triode sect. Adj fil to 8.4.
8BH8	GM	T	45	7.5	10	M	C	200	CCW	RL	60	P4	65	Triode sect. Adj fil to 8.4.
8BN8	GM	T	45	7.5	5	G	C	100	1.0	RL	53	P4	65	Triode sect. Adj fil to 8.4.
8BN8	GM	T	45	7.5	5	G	C	100	1.0	RL	45	P2	50	Diode #1. Adj fil to 8.4.
8BN8	EM	T	45	7.5	5	S	A	20 AC	0	RL	45	P2	50	Diode #2. Adj fil to 8.4.
8BQ5	GM	T	45	7.5	10	G	B	250	7.2	RL	48	P4	65	Adjust fil to 8.0.
8CG7	GM	T	45	7.5	10	G	C	250	8.0	RL	75	P4	65	Triode #1. Adj fil to 8.4.
8CG7	GM	T	45	7.5	10	G	C	250	8.0	RL	75	P4	65	Triode #2. Adj fil to 8.4.
8CM7	GM	T	45	7.5	10	G	C	250	7.0	RL	72	P4	65	Triode #1. Adj fil to 8.4.
8CM7	GM	T	45	7.5	10	G	C	250	8.0	RL	36	P4	65	Triode #2. Adj fil to 8.4.
8CN7	GM	T	45	7.5	5	G	D	250	3.0	RL	73	P4	65	Triode sect. Adj fil to 8.4.
8CN7	EM	T	45	7.5	5	S	A	20 AC	0	RL	64	P2	50	Diode #1. Adj fil to 8.4.
8CN7	EM	T	45	7.5	5	S	A	20 AC	0	RL	64	P2	50	Diode #2.
8CS7	GM	T	45	7.5	60	G	C	250	8.5	RL	78	P4	65	Triode #1. Adj fil to 8.4.
8CS7	GM	T	45	7.5	50	G	B	250	10.5	RL	92	P4	65	Triode #2. Adj fil to 8.4.
8CX8	GM	T	45	7.5	A	J	B	200	CCW	RL	38	P4	65	Pentode sect. Adj fil to 8.0.
8CX8	GM	T	45	7.5	C	L	C	150	CCW	RL	41	P4	65	Triode sect. Adj fil to 8.0.
8CY7	GM	T	45	7.5	5	J	D	225	3.0	RL	74	P4	65	Triode #1. Adj fil to 7.9.
8CY7	GM	T	45	7.5	E	N	B	90	CCW	RL	94	P4	65	Triode #2. Adj fil to 7.9.
8EB8	GM	T	45	7.5	B	J	B	200	CCW	RL	30	P4	65	Pentode sect. Adj fil to 8.0.
8EB8	GM	T	45	7.5	5	J	C	250	2.0	RL	58	P4	65	Triode sect. Adj fil to 8.0.



Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Min- imum limits	Notes	
				Filament	Bias	PI SCR	Gm SIG	Plate	Bias	Screen					Sig VR
8EM5	GM	T	45 301 70	7.5	50	G	C	250	18.0	250	RL	37	P4	65	Adj fil to 8.0.
8ET7	GM	T	45 708 00	7.5	5	L	B	200	2.5	150	RL	29	P4	65	Pentode sect.
8ET7	EM	T	45 030 10	7.5	5	S	B	20 AC	0		RL	63	P2	40	Diode #1.
8ET7	EM	T	45 020 10	7.5	5	S	B	20 AC	0		RL	63	P2	40	Diode #2.
8FQ7	GM	T	45 700 80	7.5	10	G	C	250	8.0		RL	75	P4	65	Triode #1. Adj fil to 8.4V.
8FQ7	GM	T	45 210 30	7.5	10	G	C	200	8.0		RL	75	P4	65	Triode #2. Adj fil to 8.4V.
8GN8	GM	T	45 708 00	7.5	5	L	B	200	3.0	150	RL	28	P4	63	Pentode sect. Adj fil to 8.0.
8GN8	GM	T	45 230 30	7.5	5	J	D	250	2.0		RL	27	P4	63	Triode sect. Adj fil to 8.0.
8SN7	GM	T	78 450 00	7.5	10	G	C	250	8.0		RL	75	P4	65	Triode #1. Adj fil to 8.4.
8SN7	GM	T	78 120 30	7.5	10	G	C	250	8.0		RL	75	P4	65	Triode #2. Adj fil to 8.4.
9AU7	GM	T	45 700 80	10	10	G	C	250	8.5		RL	75	P4	65	Triode #1. Adj fil to 9.4.
9AU7	GM	T	45 210 30	10	10	G	C	250	8.5		RL	75	P4	65	Triode #2. Adj fil to 9.4.
9BR7	GM	T	64 210 30	10.0	E	J	B	250	CCW		RL	95	P4	65	Triode sect. Adj fil to 9.4.
9BR7	EM	T	54 070 80	10.0	5	S	A	20 AC	0		RL	65	P2	40	Diode #1. Adj fil to 9.4.
9BR7	EM	T	54 050 80	10.0	5	S	A	20 AC	0		RL	65	P2	40	Diode #2.
9CL8	GM	T	45 967 80	10	5	G	B	150	1.0	125	RL	88	P4	65	Tetrode sect. Adj fil to 9.5.
9CL8	GM	T	45 120 30	10	A	K	B	125	CCW		RL	64	P4	65	Triode sect. Adj fil to 9.5.
9DZ8	GM	T	45 267 20	10	D	K	B	145	CCW	120	RL	60	P4	65	Pentode sect. Adj fil to 9.0.
9DZ8	GM	T	45 190 80	10	5	K	D	120	1.9		RL	70	P4	65	Triode sect. Adj fil to 9.0.
9U8	GM	T	45 263 70	10	A	J	B	250	CCW	135	RL	95	P4	65	Triode sect. Adj fil to 9.45.
9U8	GM	T	45 910 80	10	A	G	B	150	CCW		RL	53	P4	65	Triode sect. Adj fil to 9.45.
9X8	GM	T	45 708 01	10	D	J	C	250	CCW	150	RL	42	P4	65	Pentode sect. Adj fil to 9.5.
9X8	GM	T	45 230 00	10	B	N	B	100	CCW		RL	80	P4	65	Triode sect. Adj fil to 9.5.
10BQ5	GM	T	45 279 30	10.0	10	G	B	250	7.2	250	RL	48	P4	65	Adj fil to 10.6.
10C8	GM	T	45 210 30	10	E	G	C	135	CCW	135	RL	95	P4	65	Pentode sect. Adj fil to 10.5.
10C8	GM	T	45 210 30	10	10	G	B	250	CCW		RL	48	P4	65	Triode sect. Adj fil to 9.5.
10DA7	GM	T	45 700 80	10	10	J	C	225	8.0		RL	74	P4	65	Triode #1.
10DA7	GM	T	45 310 90	10	10	K	B	150	17.5		RL	92	P4	65	Triode #2.
10DE7	GM	T	45 700 80	10	50	J	C	225	12.0		RL	88	P4	65	Triode #1.
10DE7	GM	T	45 210 90	10	50	K	D	150	26.0		RL	76	P4	65	Triode #2.
10DR7	GM	T	54 700 80	10.0	5	J	D	250	3.0		RL	55	P4	65	Triode #1.
10DR7	GM	T	54 210 90	10.0	50	M	C	150	17.5		RL	52	P4	65	Triode #2.
10EG7	GM	T	78 450 60	10.0	50	J	C	225	12.0		RL	88	P4	63	Triode #1.
10EG7	GM	T	78 120 30	10.0	50	M	B	150	17.5		RL	62	P4	63	Triode #2.
10EM7	GM	T	78 450 60	10.0	5	J	D	250	3.0		RL	55	P4	65	Triode #1. Adj fil to 9.7.
10EM7	GM	T	78 120 30	10.0	50	L	B	150	20.0		RL	67	P4	65	Triode #2. Adj fil to 9.7.
10HF8	GM	T	45 708 00	10.0	B	J	B	200	CCW	125	RL	30	P4	65	Pentode sect. Adj fil to 10.5.
10HF8	GM	T	45 230 10	10.0	5	J	C	200	2.0		RL	50	P4	65	Triode sect. Adj fil to 10.5.
11C5	GM	T	34 576 10	10	50	K	B	135	8.2	120	RL	70	P4	65	Adj fil to 11.6.
11CY7	GM	T	45 700 80	10	5	J	D	225	3.0		RL	74	P4	65	Triode #1. Adj fil to 11.0.
11CY7	GM	T	45 210 90	10	E	N	B	90	CCW		RL	94	P4	65	Triode #2. Adj fil to 11.0.

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Mind- max limits	Notes
				Flament	Bias	P/ SCR	Gm SIG	Plate	Bias	Screen				
12AB5	GM	T	45 301 70	12.6	10	K	C	180	8.5	RL	54	P4	65	
12AC6	EM	T	34 250 71	12.6	5	S	B	20 AC	0	RL	81	P2, P3	65	
12AD6	EM	T	34 756 21	12.6	5	S	B	20 AC	0	RL	45	P2, P3	65	
12AD7	GM	T	45 760 80	12.6	5	G	C	250	2.0	RL	92	P4	65	Triode #1.
12AD7	GM	T	45 210 30	12.6	5	G	C	250	2.0	RL	92	P4	65	Triode #2.
12AF6	EM	T	34 070 21	12.6	5	S	B	20 AC	0	RL	44	P2	65	Triode sect.
12AF6	EM	T	34 000 20	12.6	5	S	B	20 AC	0	RL	55	P2	65	Diode #1.
12AF6	EM	T	34 050 20	12.6	5	S	B	20 AC	0	RL	55	P2	65	Diode #2.
12AF7	EM	T	45 000 87	12.6	5	S	B	20 AC	0	RL	25	P2	65	Triode #1.
12AF7	EM	T	45 010 32	12.6	5	S	B	20 AC	0	RL	20	P2	65	Triode #2.
12AF6	EM	T	34 256 71	12.6	5	S	B	20 AC	0	RL	58	P2, P3	65	
12AG6	EM	T	34 756 21	12.6	5	S	B	20 AC	0	RL	47	P2, P3	65	
12AJ6	EM	T	34 070 21	12.6	5	S	C	20 AC	0	RL	63	P2	65	Triode sect.
12AJ6	EM	T	34 060 20	12.6	5	S	B	20 AC	0	RL	52	P2	65	Diode #1.
12AJ6	EM	T	34 050 20	12.6	5	S	B	20 AC	0	RL	52	P2	65	Diode #2.
12AJ7	GM	T	45 261 37	12.6	5	L	C	200	1.5	RL	65	P4	65	Heptode sect.
12AJ7	GM	T	45 080 36	12.6	5	L	C	150	1.5	RL	42	P4	65	Triode sect.
12AL8	EM	T	45 312 70	12.6	5	S	A	20 AC	0	RL	85	P2, P3	65	Triode sect.
12AL8	EM	T	45 800 90	12.6	5	S	B	20 AC	0	RL	25	P2, P3	65	Tetrode sect.
12AQ5	GM	T	34 156 20	12.6	10	K	C	180	8.5	RL	54	P4	65	Triode sect.
12AS5	GM	T	34 276 10	12.6	10	L	C	150	8.3	RL	36	P4	65	
12AUS	GM	T	45 798 60	12.6	10	L	B	200	CGW	RL	75	P4	65	Pentode sect.
12AUS	GM	T	45 230 10	12.6	10	M	C	150	CGW	RL	44	P4	65	Triode sect.
12AV5	GM	T	27 168 30	12.6	10	J	B	200	22.5	RL	95	P4	65	
12BD6	GM	T	34 156 72	12.6	5	N	C	100	1.0	RL	78	P4	65	
12BK5	GM	T	45 318 60	12.6	10	G	B	250	5.0	RL	52	P4	65	
12BL6	EM	T	34 256 71	12.6	5	S	B	20 AC	0	RL	45	P2	65	
12BN6	GM	T	34 275 16	12.6	5	N	D	75	2.0	RL	83	P4	65	
12BQ6	GM	T	27 5A4 80	12.6	60	J	B	200	22.5	RL	95	P4	65	
12BR7	GM	T	45 210 30	12.6	10	G	B	250	CGW	RL	95	P4	65	Triode sect.
12BR7	EM	T	45 070 80	12.6	5	S	A	20 AC	0	RL	57	P2	50	Diode #1.
12BR7	EM	T	45 060 80	12.6	5	S	A	20 AC	0	RL	57	P2	50	Diode #2.
12BV7	GM	T	45 278 13	12.6	A	J	B	250	CGW	RL	25	P4	65	
12BZ6	GM	T	34 156 27	12.6	10	II	B	200	CGW	RL	88	P4	65	
12BZ7	GM	T	45 700 80	12.6	5	G	C	200	2.0	RL	58	P4	65	Triode #1.
12BZ7	GM	T	45 210 30	12.6	5	G	C	250	2.0	RL	58	P4	65	Triode #2.
12C5	GM	T	34 276 10	12.6	10	N	B	100	6.0	RL	61	P4	65	
12CA5	GM	T	34 276 10	12.6	10	K	B	125	4.5	RL	45	P4	65	
12CM6	GM	T	45 301 70	12.6	10	K	C	180	8.5	RL	54	P4	65	
12CN5	EM	T	34 070 12	12.6	5	S	B	20 AC	0	RL	32	P2	65	
12CR5	GM	T	34 756 10	12.6	5	G	C	200	2.0	RL	86	P4	65	Pentode sect.

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Min- imum limits	Notes
				Filament	Bias	P1 SCR	Gm SIG	Plate	Bias	Screen				
12CR6	EM	T	34 020 10	12.6	5 S	5 S	B	20 AC	0	---	RL	65 P2	50	Diode sect.
12CS6	GM	T	34 165 27	12.6	5 N	5 N	C	80	1.0	80	RL	53 P4	65	
12CT8	GM	T	45 807 00	12.6	B L	B L	B	200	CCW	130	RL	69 P4	65	Pentode sect.
12CT8	GM	T	45 210 30	12.6	C L	C L	C	150	CCW	---	RL	40 P4	65	Triode sect.
12CU5	GM	T	34 276 10	12.6	50 K	50 K	B	120	8.0	110	RL	64 P4	65	
12CU6	GM	T	27 5AA 80	12.6	50 J	50 J	B	230	22.5	150	RL	95 P4	65	
12CX6	EM	T	34 160 72	12.6	5 S	5 S	F	20 AC	0	---	RL	20 P2, P3	65	
12DB5	GM	T	45 391 70	12.6	10 N	10 N	B	110	7.5	110	RL	65 P4	65	
12DE8	EM	T	45 168 97	12.6	5 S	5 S	F	20 AC	0	---	RL	22 P2, P3	65	Pentode sect.
12DE8	EM	T	45 030 20	12.6	5 S	5 S	F	20 AC	0	---	RL	20 P2	50	Diode sect.
12DF7	GM	T	45 700 80	12.6	5 J	5 J	D	250	2.0	---	RL	50 P4	65	Triode #1.
12DF7	GM	T	45 210 30	12.6	5 J	5 J	D	250	2.0	---	RL	50 P4	65	Triode #2.
12DK7	EM	T	45 173 20	12.6	5 S	5 S	F	20 AC	0	---	RL	18 P2, P3	65	Tetrode sect.
12DK7	EM	T	45 000 80	12.6	5 S	5 S	F	20 AC	0	---	RL	60 P2	50	Diode #1.
12DK7	EM	T	45 090 80	12.6	5 S	5 S	F	20 AC	0	---	RL	60 P2	50	Diode #2.
12DL8	EM	T	45 763 20	12.6	5 S	5 S	F	20 AC	0	---	RL	17 P2, P3	65	Tetrode sect.
12DL8	EM	T	45 090 80	12.6	5 S	5 S	F	20 AC	0	---	RL	46 P2	50	Diode #1.
12DL8	EM	T	45 010 80	12.6	5 S	5 S	F	20 AC	0	---	RL	46 P2	50	Diode #2.
12DM5	GM	T	34 276 10	12.6	10 N	10 N	B	100	6.0	100	RL	61 P4	65	
12DQ6	GM	T	27 5AA 80	12.6	50 J	50 J	B	250	22.5	150	RL	87 P4	65	
12DQ7	GM	T	45 278 19	12.6	A J	A J	B	200	CCW	125	RL	38 P4	65	
12DT6	GM	T	45 391 70	12.6	50 G	50 G	C	250	16.5	250	RL	47 P4	65	
12DT7	GM	T	45 700 80	12.6	5 J	5 J	D	250	2.0	---	RL	60 P4	65	Triode #1.
12DT7	GM	T	45 210 30	12.6	5 J	5 J	D	250	2.0	---	RL	60 P4	65	Triode #2.
12DT8	GM	T	45 700 80	12.6	5 J	5 J	C	250	2.0	---	RL	35 P4	65	Triode #1.
12DT8	GM	T	45 210 30	12.6	5 J	5 J	C	250	2.0	---	RL	35 P4	65	Triode #2.
12DU7	EM	T	54 163 20	12.6	5 S	5 S	A	20 AC	0	---	RL	59 P2, P3	65	Tetrode sect. Make no gas test.
12DU7	EM	T	54 090 20	12.6	5 S	5 S	B	20 AC	0	---	RL	76 P2	40	Diode #1.
12DU7	EM	T	54 070 20	12.6	5 S	5 S	B	20 AC	0	---	RL	76 P2	40	Diode #2.
12DV7	EM	T	54 060 87	12.6	5 S	5 S	C	20 AC	0	---	RL	48 P2	65	Triode sect. Make no gas test.
12DV7	EM	T	54 030 10	12.6	5 S	5 S	B	20 AC	0	---	RL	76 P2	40	Diode #1.
12DV7	EM	T	54 020 10	12.6	5 S	5 S	B	20 AC	0	---	RL	76 P2	40	Diode #2.
12DV8	EM	T	45 763 20	12.6	5 S	5 S	A	20 AC	0	---	RL	85 P2, P3	65	Tetrode sect.
12DV8	EM	T	45 090 80	12.6	5 S	5 S	B	20 AC	0	---	RL	60 P2	50	Diode #1.
12DV8	EM	T	45 010 80	12.6	5 S	5 S	B	20 AC	0	---	RL	60 P2	50	Diode #2.
12DW5	GM	T	45 391 70	12.6	50 H	50 H	C	210	22.5	150	RL	30 P4	60	
12DW7	GM	T	45 700 80	12.6	5 J	5 J	D	225	2.0	---	RL	52 P4	67	Triode #1.
12DW7	GM	T	45 210 30	12.6	10 J	10 J	C	225	8.5	---	RL	75 P4	65	Triode #2.
12DW8	EM	T	54 700 80	12.6	5 S	5 S	B	20 AC	0	---	RL	28 P2	65	Triode #1.

Tube type	Test	Function	Selectors (L. to R.)	Range				Meter setting				Shunt	Press to test	Minim- um limits	Notes
				Filament	Bias	PI SCR	Om SIG	Plate	Bias	Screen	Sig VR				
12DW8	EM	T	54 210 30	12.6	5 S	S	B	20 AC	0	.....	RL	17	P2	65	Triode #2.
12DY8	EM	T	45 163 20	12.6	5 S	S	A	20 AC	0	.....	RL	85	P2, P3	65	Tetrode sect.
12DY8	EM	T	45 980 70	12.6	5 S	S	A	20 AC	0	.....	RL	88	P2, P3	65	Triode sect.
12DZ6	EM	T	45 156 72	12.6	5 S	S	C	20 AC	0	.....	RL	96	P2, P3	65	
12DZ8	GM	T	45 307 20	12.6	D K	K	B	145	CCW	120	RL	60	P4	65	Pentode sect.
12DZ8	GM	T	45 190 80	12.6	5 K	K	D	120	1.0	.....	RL	70	P4	65	Triode sect.
12EA6	EM	T	43 156 72	12.6	5 S	S	A	20 AC	0	.....	RL	80	P2, P3	65	
12EC8	EM	T	45 967 80	12.6	5 S	S	A	20 AC	0	.....	RL	80	P2, P3	65	Pentode sect.
12EC8	EM	T	45 102 30	12.6	5 S	S	A	20 AC	0	.....	RL	80	P2, P3	65	Triode sect.
12ED5	GM	T	34 276 10	12.6	10 K	K	B	125	4.5	125	RL	47	P4	65	
12EG6	EM	T	34 766 21	12.6	5 S	S	F	20 AC	0	.....	RL	32	P2, P3	65	
12EH5	GM	T	34 276 10	12.6	10 K	K	B	115	4.8	110	RL	49	P4	65	
12EK6	EM	T	43 156 72	12.6	5 S	S	A	20 AC	0	.....	RL	80	P2, P3	65	
12EL6	EM	T	43 020 71	12.6	5 S	S	F	20 AC	0	.....	RL	90	P2	65	Triode sect.
12EL6	EM	T	43 060 70	12.6	5 S	S	F	20 AC	0	.....	RL	57	P2	65	Diode #1.
12EL6	EM	T	43 050 70	12.6	5 S	S	F	20 AC	0	.....	RL	57	P2	65	Diode #2.
12EM6	EM	T	45 163 20	12.6	5 S	S	F	20 AC	0	.....	RL	18	P2, P3	65	Tetrode sect.
12EM6	EM	T	45 090 80	12.6	5 S	S	F	20 AC	0	.....	RL	60	P2	65	Diode sect.
12EN6	GM	T	27 534 80	12.6	10 M	M	B	200	9.0	110	RL	75	P4	65	
12EQ7	GM	T	45 276 31	12.6	5 N	N	C	100	0.6	100	RL	52	P4	65	Pentode sect.
12EQ7	EM	T	45 080 30	12.6	5 S	S	B	20 AC	0	.....	RL	58	P2	25	Diode sect.
12EZ6	EM	T	43 156 72	12.6	5 S	S	A	20 AC	0.7	.....	RL	80	P2, P3	65	
12F8	EM	T	45 239 78	12.6	5 S	S	B	20 AC	0	.....	RL	80	P2, P3	65	Pentode sect.
12F8	EM	T	45 060 70	12.6	5 S	S	B	20 AC	0	.....	RL	61	P2	65	Diode #1.
12F8	EM	T	45 010 70	12.6	5 S	S	B	20 AC	0	.....	RL	61	P2	65	Diode #2.
12FK6	EM	T	43 170 20	12.6	5 S	S	C	20 AC	1.0	.....	RL	36	P2	65	Triode sect.
12FK6	EM	T	43 060 20	12.6	5 S	S	B	20 AC	0	.....	RL	49	P2	40	Diode #1.
12FK6	EM	T	43 050 20	12.6	5 S	S	B	20 AC	0	.....	RL	49	P2	40	Diode #2.
12FM6	EM	T	34 070 21	12.6	5 S	S	B	20 AC	0	.....	RL	67	P2	65	Triode sect. Make no gas test.
12FM6	EM	T	34 060 20	12.6	5 S	S	B	20 AC	0	.....	RL	50	P2	40	Diode #1.
12FM6	EM	T	34 050 20	12.6	5 S	S	B	20 AC	0	.....	RL	50	P2	40	Diode #2.
12FQ8	GM	T	45 780 50	12.6	5 J	J	D	250	1.6	.....	RL	72	P4	63	Triode #1. Plate #1.
12FQ8	GM	T	45 760 50	12.6	5 J	J	D	250	1.5	.....	RL	72	P4	63	Triode #1. Plate #2.
12FQ8	GM	T	45 230 90	12.6	5 J	J	D	250	1.5	.....	RL	72	P4	63	Triode #2. Plate #1.
12FQ8	GM	T	45 210 90	12.6	5 J	J	D	250	1.5	.....	RL	72	P4	63	Triode #2. Plate #2.
12FR8	EM	T	45 307 00	12.6	5 S	S	D	20 AC	3.1	.....	RL	10	P2	65	Pentode sect.
12FR8	EM	T	45 190 20	12.6	5 S	S	D	20 AC	.5	.....	RL	27	P2	65	Triode sect.
12FR8	EM	T	45 080 20	12.6	5 S	S	D	20 AC	0	.....	RL	20	P2	40	Diode sect.
12FT6	EM	T	43 170 20	12.6	5 S	S	B	20 AC	0	.....	RL	64	P2	65	Triode sect. Make no gas test.

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Minim- um limits	Notes
				Flament	Bias	PI SCR	Gm SIG	Plate	Bias	Screen				
12FT6	EM	T	43 060 20	12.6	5 S	5 S	B	20 AC	0	RL	40	P2	50	Diode #1.
12FT6	EM	T	43 050 20	12.6	5 S	5 S	B	20 AC	0	RL	40	P2	50	Diode #2.
12FX8	EM	T	45 231 79	12.6	5 S	5 S	B	20 AC	0	RL	20	P2	65	Heptode sect.
12FX8	EM	T	45 080 06	12.6	5 S	5 S	B	20 AC	0	RL	18	P2	65	Triode sect.
12G4	GM	T	34 610 70	12.6	10 G	10 G	C	250	8.0	RL	08	P4	65	
12G8	EM	T	45 060 78	12.6	5 S	5 S	B	20 AC	0	RL	28	P2	65	Triode #1.
12G8	EM	T	45 010 23	12.6	5 S	5 S	B	20 AC	0	RL	63	P2	65	Triode #2.
12GA6	EM	T	34 756 21	12.6	5 S	5 S	B	20 AC	0	RL	02	P2	65	
12GC6	GM	T	72 5A8 30	12.6	50 J	50 J	B	250	22.5	RL	75	P4	65	
12GW6	GM	T	27 5A4 80	12.6	50 J	50 J	B	250	22.6	RL	67	P4	65	If tube oscillates, turn grid selector to "B." Connect a 1,000 $\omega$ , 1/2 W carbon resistor between pin 5 and top cap lead B.
12J8	EM	T	45 163 20	12.6	5 S	5 S	A	20 AC	0	RL	80	P2, P3	65	Tetrode sect.
12J8	EM	T	45 080 70	12.6	5 S	5 S	A	20 AC	0	RL	95	P2	50	Diode #1.
12J8	EM	T	45 080 70	12.6	5 S	5 S	A	20 AC	0	RL	05	P2	50	Diode #2.
12K5	EM	T	34 570 12	12.0	5 S	5 S	A	20 AC	0	RL	01	P2	65	
12L6	GM	T	27 534 80	12.6	C J	C J	B	200	CCW	RL	55	P4	65	
12R5	GM	T	34 276 10	12.6	10 N	10 N	B	100	6.5	RL	06	P4	65	
12S8	GM	T	78 B60 20	12.6	5 G	5 G	D	250	2.0	RL	78	P4	65	Triode sect.
12S8	EM	T	78 630 50	12.6	5 S	5 S	B	20 AC	0	RL	51	P2	50	Diode #1.
12S8	EM	T	78 040 20	12.6	5 S	5 S	B	20 AC	0	RL	51	P2	50	Diode #2.
12S8	EM	T	78 010 20	12.0	5 S	5 S	B	20 AC	0	RL	51	P2	50	Diode #3.
12U7	EM	T	45 060 87	12.0	5 S	5 S	B	20 AC	0	RL	43	P2	65	Triode #1.
12U7	EM	T	45 010 32	12.6	5 S	5 S	B	20 AC	0	RL	43	P2	65	Triode #2.
12V6	GM	T	27 534 80	12.6	10 K	10 K	C	180	8.5	RL	64	P4	65	
12V6	GM	T	27 534 80	12.6	C J	C J	B	200	CCW	RL	65	P4	65	
13DE7	GM	T	45 760 80	12.6	50 J	50 J	C	225	12.0	RL	88	P4	65	Triode #1. Adj flt to 13.0.
13DE7	GM	T	45 210 90	12.6	50 K	50 K	C	150	25.0	RL	76	P4	65	Triode #2. Adj flt to 13.0.
13DR7	GM	T	54 760 80	12.6	5 J	5 J	D	250	3.0	RL	66	P4	65	Triode #1. Adj flt to 13.0.
13DR7	GM	T	54 210 90	12.6	50 M	50 M	C	150	17.5	RL	63	P4	65	Triode #2. Adj flt to 13.0.
13EM7	GM	T	87 450 60	14.0	5 G	5 G	D	250	3.0	RL	55	P4	65	Triode #1. Adj flt to 13.0.
13EM7	GM	T	87 120 30	14.0	50 K	50 K	C	150	20	RL	30	P4	65	Triode #2. Adj flt to 13.0.
13FR7	GM	T	45 760 80	12.6	5 G	5 G	D	250	3.0	RL	55	P4	65	Triode #1. Adj flt to 13.0.
13FR7	GM	T	45 310 50	12.6	50 K	50 K	C	150	20.0	RL	97	P4	65	Triode #2. Adj flt to 13.0.
14GT8	GM	T	45 890 70	14.0	5 J	5 J	D	250	3.0	RL	30	P4	63	Triode sect.
14GT8	EM	T	45 020 30	14.0	5 S	5 S	A	20 AC	0	RL	100	P2	40	Diode #1.
14GT8	EM	T	45 060 10	14.0	5 S	5 S	A	20 AC	0	RL	100	P2	40	Diode #2.
14JG8	GM	T	45 800 70	14.0	5 J	5 J	C	250	2.0	RL	83	P4	65	Triode sect.
14JG8	EM	T	45 060 10	14.0	5 S	5 S	A	20 AC	0	RL	50	P2	50	Diode #1.

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Min- imum limits	Notes
				Filament	Bias	Pl SCR	Gm SIG	Plate	Bias	Screen				
14JG8	EM	T	45 020 30	14.0	5	8	A	20 AC	0	RL	50	P2	50	Diode #2.
14V7	GM	T	18 623 74	12.6	C	H	C	200	CCW	150	35	P4	65	Triode sect.
14X7	GM	T	18 320 40	12.6	5	G	C	250	1.0	RL	97	P4	65	Diode #1.
14X7	EM	T	18 060 40	12.6	5	S	B	20 AC	0	RL	21	P2	50	Diode #2.
14X7	EM	T	18 060 70	12.6	5	S	B	20 AC	0	RL	21	P2	50	Diode #2.
15A6	GM	T	45 271 36	14.0	5	K	B	180	2.9	RL	40	P4	65	Adj fil to 15.0.
15EA7	GM	T	78 450. 00	14.0	5	J	D	240	3.0	RL	50	P4	65	Triode #1. Adj fil to 14.8.
15EA7	GM	T	78 120 30	14.0	50	L	B	175	25.0	RL	77	P4	65	Triode #2. Adj fil to 14.8.
16EW6	GM	T	43 156 27	14.0	A	G	B	150	CCW	125	21	P4	65	Adj fil to 15.0.
16A5	GM	T	45 279 30	20	50	K	B	170	10.4	RL	46	P4	65	Adj fil to 16.5.
16A5	GM	T	45 279 30	14.0	50	K	B	170	10.5	RL	61	P4	65	Adj fil to 16.5. Disregard shorts test after GM test. Allow 10 second intervals for zeroing quality meter and 10 second intervals between attempts to zero quality meter. Allow 5 sec- onds to obtain GM reading. Pentode sect. Adj fil to 16.0. Triode sect. Adj fil to 16.0. Adj fil to 16.8. Adj fil to 16.8. Adj fil to 16.8. Adj fil to 16.8. Adj fil to 16.8. Triode #1. Adj fil to 17.5. Triode #2. Adj fil to 17.5. Adj fil to 16.8.
16A8	GM	T	45 367 20	14.0	50	G	B	200	16.0	RL	78	P4	65	Pentode sect. Adj fil to 16.0.
16A8	GM	T	45 190 80	14.0	5	N	O	100	0	RL	85	P4	65	Triode sect. Adj fil to 16.8.
17AV5	GM	T	27 158 30	20	50	J	B	240	22.5	RL	95	P4	65	Adj fil to 16.8.
17BQ6	GM	T	12 5A4 80	20	50	J	C	250	22.5	RL	33	P4	65	Adj fil to 16.8.
17C5	GM	T	34 276 10	20	10	N	B	100	6.0	RL	61	P4	65	Adj fil to 16.8.
17CA5	GM	T	34 276 10	20	10	K	B	125	4.5	RL	45	P4	65	Adj fil to 16.8.
17DQ6	GM	T	27 5A4 80	20	50	J	B	250	22.5	RL	87	P4	65	Adj fil to 16.8.
17EW8	GM	T	45 760 80	20.0	5	K	B	200	2.1	RL	88	P4	63	Triode #1. Adj fil to 17.5.
17EW8	GM	T	45 210 30	20.0	5	K	B	200	2.1	RL	88	P4	63	Triode #2. Adj fil to 17.5.
17GW6	GM	T	27 5A4 80	20.0	50	J	B	250	22.5	RL	67	P4	65	Adj fil to 16.8. If tube oscillates, turn grid selector to "B." Connect a 1,000 $\omega$ 1/2 W. carbon resistor between Pin 5 and top cap lead B.
17L6	GM	T	27 534 80	20.0	C	J	B	200	CCW	125	55	P4	65	Adj fil to 16.8.
17R5	GM	T	34 276 10	20.0	10	N	B	100	6.5	RL	66	P4	65	Adj fil to 16.8.
18A5	GM	T	27 158 30	20.0	50	J	C	200	17.0	RL	40	P4	65	Adj fil to 18.5.
18DZ8	GM	T	45 367 20	20.0	D	K	B	145	CCW	120	60	P4	65	Pentode sect. Adj fil to 18.0.
18DZ8	GM	T	45 190 80	20.0	5	K	D	120	1.9	RL	70	P4	65	Triode sect. Adj fil to 18.0.
18FW6	GM	T	43 156 72	20.0	B	N	C	110	CCW	110	47	P4	65	Adj fil to 18.0.
18FX6	GM	T	43 156 27	20.0	5	N	D	110	3.7	RL	78	P4	65	Ampl sect. Adj fil to 18.0.
18FX6	GM	T	43 160 27	20.0	5	N	B	100	0	RL	73	P4	65	OSC sect. Adj fil to 18.0.

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Minimum limits	Notes	
				Filament	Bias	P1 SCR	Gm SIG	Plate	Bias	Screen					Sig VR
18FY6	GM	T	43 170 20	20.0	5 N		D	100	1.0	-----	RL	72	P4	65	Triode sect. Adj fil to 18.0.
18FY6	EM	T	43 060 20	20.0	5 S		B	20 AC	0	-----	RL	48	P2	50	Diode sect. Adj fil to 18.0.
18FY6	EM	T	43 050 20	20.0	5 S		B	20 AC	0	-----	RL	48	P2	50	Diode sect. Adj fil to 18.0.
18HB8	GM	T	45 975 80	20.0	10 K		C	115	6.3	115	RL	25	P4	65	Pentode sect. Adj fil to 18.0.
18HB8	GM	T	45 130 20	20.0	5 K		C	115	1.0	115	RL	50	P4	65	Pentode sect. Adj fil to 18.0.
19AQ5	GM	T	34 155 20	20	10 K		C	180	8.5	180	RL	54	P4	65	Triode sect. Adj fil to 18.0.
19BG6	GM	T	27 5A8 30	20	50 G		C	250	22.0	250	RL	51	P4	65	Adj fil to 18.9.
19C8	GM	T	45 890 70	20	5 N		D	100	1.0	-----	RL	80	P4	65	Triode sect. Adj fil to 18.9.
19C8	EM	T	45 060 70	20	5 S		A	20 AC	0	-----	RL	100	P2	65	Diode #1. Adj fil to 18.9.
19C8	EM	T	45 020 30	20	5 S		A	20 AC	0	-----	RL	100	P2	65	Diode #2. Adj fil to 18.9.
19C8	EM	T	45 010 70	20	5 S		A	20 AC	0	-----	RL	100	P2	65	Diode #3. Adj fil to 18.9.
19CL8A	GM	T	45 967 80	20.0	5 K		B	125	1.0	125	RL	77	P4	65	Tetrode sect. Adj fil to 18.0.
19CL8A	GM	T	45 120 30	20.0	A K		B	125	.7	-----	RL	51	P4	65	Triode sect. Adj fil to 18.9.
19EAS	GM	T	45 253 70	20.0	5 K		B	150	1.0	125	RL	80	P4	65	Pentode sect. Adj fil to 18.9.
19EAS	GM	T	45 910 80	20.0	A K		B	150	0	-----	RL	50	P4	65	Triode sect. Adj fil to 18.9.
19E78	GM	T	45 980 40	20.0	5 K		C	125	.3	-----	RL	47	P4	65	Triode #1. Adj fil to 18.9.
19E78	GM	T	45 760 40	20.0	5 K		C	125	.3	-----	RL	47	P4	65	Triode #2. Adj fil to 18.9.
19E78	GM	T	45 230 10	20.0	5 K		C	125	1.0	125	RL	47	P4	65	Triode #3. Adj fil to 18.9.
19HV8	GM	T	45 967 80	20.0	5 K		B	125	1.0	125	RL	75	P4	65	Pentode sect. Adj fil to 18.9.
19HV8	GM	T	45 120 30	20.0	5 N		D	100	1.0	-----	RL	68	P4	65	Triode sect. Adj fil to 18.9.
19J6	GM	T	34 610 75	20	B N		B	100	CCW	-----	RL	91	P4	65	Triode #1. Adj fil to 18.9.
19J6	GM	T	34 520 75	20	B N		B	100	CCW	-----	RL	91	P4	65	Triode #2. Adj fil to 18.9.
20	GM	T	14 320 00	3.0	50 M		E	135	22.5	-----	RL	34	P4	65	Adj fil to 3.3.
20EQ7	GM	T	45 276 31	20.0	5 S		C	100	.6	100	RL	52	P4	65	Pentode sect.
20EQ7	EM	T	45 080 30	20.0	5 S		B	20 AC	0	-----	RL	68	P2	25	Triode sect.
20E77	GM	T	12 870 90	20.0	5 N		B	100	1.0	-----	RL	77	P4	65	Triode #1.
20E77	GM	T	12 560 40	20.0	5 N		D	100	1.0	-----	RL	77	P4	65	Triode #2.
21A6	GM	T	45 2A7 31	20	50 K		B	180	23.0	180	RL	70	P4	65	Adj fil to 21.5.
21EX6	GM	T	72 5A8 30	20.0	50 G		B	175	30.0	175	RL	43	P4	63	Adj fil to 21.5. Tubes showing shorts: Retest using 72 5A1 30.
25C5	GM	T	34 276 10	26	10 N		B	100	6.0	100	RL	61	P4	65	Adj fil to 25.0.
25CA5	GM	T	34 276 10	26	10 K		B	125	4.5	125	RL	45	P4	65	Adj fil to 25.0.
25CD6	GM	T	27 5A8 30	26	50 K		B	175	30.0	175	RL	60	P4	65	Adj fil to 25.0.
25CU6	GM	T	27 5A4 80	26	50 J		B	260	22.5	160	RL	95	P4	65	Adj fil to 25.0.
25DN6	GM	T	27 5A8 30	26	50 K		B	125	18.0	125	RL	45	P4	65	Adj fil to 25.0.
25DQ6	GM	T	27 5A4 80	26	50 J		B	250	22.5	150	RL	87	P4	65	Adj fil to 25.0.
25DT5	GM	T	45 391 70	25.0	50 G		C	250	16.5	250	RL	47	P4	65	Adj fil to 25.0.
25EC6	GM	T	27 5A8 30	26.0	50 K		B	135	22.5	135	RL	62	P4	65	Adj fil to 25.0.
25EI5	GM	T	34 276 10	25	10 K		B	115	4.8	110	RL	40	P4	65	Adj fil to 25.0.
25F5	GM	T	34 276 10	26	10 N		B	110	7.5	110	RL	50	P4	65	Adj fil to 25.0.

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Mini- mum limits	Notes
				Filament	Bias	P/SGR	Gm SIG	Plate	Bias	Screen				
25W6	GM	T	27 534 80	20	C	J	B	CCW	125	RL	55	P4	65	Adj fl to 25.0.
27S	GM	T	15 320 40	2.5	50	G	D	21.0	RL	RL	79	P4	65	
32E75	GM	T	43 276 10	35.0	10	K	B	7.0	110	RL	96	P4	65	Adj fl to 32.0.
34GD5	GM	T	34 276 10	35.0	10	N	C	6.6	110	RL	92	P4	65	Adj fl to 34.0.
35	GM	T	15 B23 40	2.5	5	M	D	3.0	90	RL	92	P4	65	
35CD6	GM	T	27 5A8 30	35	50	K	B	30.0	175	RL	60	P4	65	
35DZ8	GM	T	45 367 20	35	D	K	B	CCW	120	RL	60	P4	65	Pentode sect.
35DZ8	GM	T	45 190 80	35	5	K	D	1.9	RL	RL	70	P4	65	Triode sect.
35EH5	GM	T	43 276 10	35.0	5	K	B	2.0	115	RL	27	P4	65	
35GL6	GM	T	34 275 10	35.0	50	K	B	7.5	110	RL	02	P4	63	
35HB8	GM	T	45 976 80	35.0	10	K	C	6.8	115	RL	25	P4	65	Pentode sect.
35HB8	GM	T	45 130 20	35.0	5	K	C	1.0	RL	RL	50	P4	65	Triode sect.
35S	GM	T	15 A23 40	2.5	5	M	D	3.0	90	RL	92	P4	65	
40FR5	GM	T	34 276 10	35.0	10	N	B	7.5	110	RL	85	P4	65	Adj fl to 40.0.
50BK5	GM	T	45 318 60	50	10	G	B	5.0	250	RL	52	P4	65	
50CD6	GM	T	27 5A8 30	50	50	K	B	30.0	175	RL	60	P4	65	
50EH5	GM	T	34 276 10	50	10	K	B	4.8	110	RL	49	P4	65	
50FA5	GM	T	34 276 10	50.0	10	N	C	5.8	105	RL	26	P4	65	
50FE5	GM	T	72 534 80	50.0	50	K	B	11.0	130	RL	40	P4	65	
50FK5	GM	T	34 276 10	50.0	B	N	B	0	115	RL	32	P4	65	
50FX5	GM	T	43 276 10	70.0	5	K	C	3.2	115	RL	22	P4	65	Adj fl to 60.0.
50FY8	GM	T	45 367 20	50.0	50	K	B	10	125	RL	62	P4	63	Pentode sect.
50FY8	GM	T	45 190 80	50.0	5	M	D	1.5	RL	RL	33	P4	63	Triode sect.
HD51	VR	VR	00 001 70	OFF	5	G	F	0	FS	FS	25	P5	105	Max. diff -4.5.
HD51	VR	VR	00 001 70	OFF	5	H	F	0	FS	FS	25	P5	105	Min. diff -4.5.
51518	GM	T	15 123 40	2.5	5	M	D	3.0	90	RL	93	P4	65	
KT66	GM	T	27 534 81	6.3	50	G	B	15.0	250	RL	83	P4	65	
KT88	GM	T	27 534 81	6.3	50	G	B	25.0	250	RL	61	P4	63	
V99	GM	T	24 130 00	3.0	10	N	E	4.5	RL	RL	54	P4	65	Adj fl to 3.3.
X99	GM	T	14 320 00	3.0	10	N	E	4.5	RL	RL	54	P4	65	Adj fl to 3.3.
112A	GM	T	14 320 00	6.0	60	G	C	13.5	RL	RL	93	P4	65	
11Y114	GM	T	27 11A0 60	1.5	5	G	D	4.0	RL	RL	75	P4	65	Right cap = P. Left cap = O.
117M7	EM	T	27 435 80	117	10	N	C	5.2	105	RL	39	P4	65	Pentode sect.
117M7	EM	T	27 060 10	117	5	S	A	0	RL	RL	83	P2	80	Rect. sect.
117Z6GT	EM	T	72 030 40	117	5	R	A	0	RL	RL	24	P2	80	Diode #1.
117Z6GT	EM	T	72 030 80	117	5	R	A	0	RL	RL	24	P2	80	Diode #1.
150B2	VR	VR	00 001 20	OFF	5	G	F	0	FS	FS	25	P5	116	Max. diff -4.
150B2	VR	VR	00 001 20	OFF	5	K	F	0	FS	FS	25	P5	107	Min. diff -4.
X-155	GM	T	45 760 80	6.3	B	M	B	CCW	RL	RL	62	P4	65	Triode #1.
X-155	GM	T	45 210 30	6.3	B	M	B	CCW	RL	RL	62	P4	65	Triode #2.



Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Min- imum limits	Notes
				Filament	Bias	PI SOR	Gm SIG	Plate	Bias	Screen				
GL502	TH	VR	27 503 86	6.3	5	J	F	---	---	---	---	---	---	---
CK502AX	GM	T	35 412 00	1.1	5	Q	E	45	1.88	150	FS	50	P5	Bias
CK503AX	GM	T	35 412 00	1.1	5	Q	E	45	2.6	40	RL	56	P4	65
CK506AX	GM	T	35 412 00	1.1	10	Q	E	45	2.6	45	RL	56	P4	65
CK518AX	GM	T	35 412 00	1.1	5	Q	E	45	5.1	45	RL	46	P4	65
CK535AX	EM	T	53 412 00	1.1	5	S	B	20 AC	2.6	40	RL	51	P4	65
CK541DX	GM	T	35 412 00	1.1	5	Q	E	45	0	---	RL	28	P2, P3	65
CK546DX	EM	T	53 412 00	1.5	5	Q	E	50	2.0	40	RL	90	P4	65
CK547DX	GM	T	35 412 00	1.1	5	Q	E	45	1.7	50	RL	95	P5	65
CK548DX	GM	T	35 412 00	1.1	5	Q	E	45	2.0	40	RL	01	P4	65
CK573AX	GM	T	24 310 00	1.1	5	N	D	90	3.0	35	RL	80	P4	65
879	EM	T	14 0A0 00	2.5	5	G	A	130	4.6	---	RL	86	P4	65
820B	GM	T	71 613 40	12.6	50	G	B	225	0	---	RL	24	P2	50
820B	GM	T	71 2A3 40	12.6	50	C	B	225	12	200	RL	43	P4	64
19AQ5	GM	T	34 156 20	20	10	K	C	180	12	200	RL	43	P4	64
1007	EM	T	78 030 00	1.1	5	G	A	130	8.5	180	RL	54	P4	65
1007	EM	T	78 050 00	1.1	5	G	A	130	0	---	---	10	P2	90
E1148	GM	T	27 BAO 80	6.3	10	G	C	250	6.0	---	---	10	P2	90
1201	GM	T	28 130 40	6.3	6	G	C	180	0	---	---	80	P4	65
1203	EM	T	18 040 70	6.3	5	S	B	20 AC	3.0	---	---	61	P4	65
1204	GM	T	27 531 40	6.3	5	M	D	225	0	---	---	29	P2	50
1206	GM	T	18 573 62	6.3	5	M	D	225	2.0	100	RL	60	P4	65
1206	GM	T	18 423 67	6.3	5	M	D	225	2.5	100	RL	90	P4	65
1229	GM	T	14 B23 00	2.0	10	M	E	135	2.5	100	RL	90	P4	65
1230	GM	T	14 320 00	2.0	50	G	D	180	4.0	67.5	RL	30	P4	65
1232	GM	T	18 623 74	6.3	5	M	D	225	14.5	---	---	87	P4	65
1273	GM	T	18 623 74	6.3	5	M	D	225	2.0	100	RL	43	P4	65
1280	GM	T	18 623 74	12.6	5	N	C	100	1.0	100	RL	85	P4	65
1282	GM	T	18 623 45	6.3	5	N	C	100	1.0	100	RL	85	P4	65
1291	GM	T	84 670 00	1.5	5	M	D	200	CCW	150	RL	35	P4	65
1291	GM	T	14 320 00	1.5	5	M	D	135	1.5	---	---	56	P4	65
1299	GM	T	18 623 00	2.5	10	N	D	135	1.5	---	---	66	P4	65
1602	GM	T	14 320 00	7.5	50	G	C	90	6.9	90	RL	46	P4	65
1610	GM	T	15 324 00	2.5	50	G	C	250	23.5	---	---	62	P4	65
1611	GM	T	27 534 81	6.3	50	G	C	250	16.3	250	RL	79	P4	65
1642	GM	T	17 450 60	6.3	50	G	D	250	16.5	250	RL	80	P4	65
1642	GM	T	17 B30 20	6.3	50	G	D	250	16.6	---	---	67	P4	65
1650	GM	T	16 430 70	6.3	10	G	C	250	16.5	---	---	57	P4	65
1655	GM	T	78 450 62	6.3	5	G	D	250	7.0	---	---	62	P4	65
1655	GM	T	78 320 65	6.3	5	G	D	250	2.0	---	---	72	P4	65
1655	GM	T	78 320 65	6.3	5	G	D	250	2.0	---	---	72	P4	65

\*OK under 100 on percent quality meter. (Tube voltage drop measured.)

select coil.

5. Letter pushbutton switch V and num-

W/B TO SEARCH U  
SEGMENT U

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Mini- mm limits	Notes	
				Filament	Bias	PI SCR	Gm SIG	Plate	Bias	Screen					Sig VR
1657	TH	VR	27 503 86	6.3	5	J	F	180	*5	150	FS	50	P5	Bias	Volts, 0.4 min., 2.8 max.
1658	GM	T	14 320 00	2.0	50	G	E	250	14.5	RL	RL	87	P4	65	Triode sect.
1659	GM	T	16 B20 50	2.5	5	G	D	20 AC	2.0	RL	RL	80	P4	65	Diode #1.
1659	EM	T	16 040 50	2.5	5	S	B	20 AC	0	RL	RL	94	P2	65	Diode #2.
1659	EM	T	16 030 50	2.5	5	S	B	20 AC	0	RL	RL	94	P2	65	Diode #2.
1662	GM	T	17 423 00	2.5	50	J	C	150	0.4	90	RL	92	P4	65	
1852	GM	T	27 486 53	6.3	C	J	B	250	CCW	150	RL	47	P4	65	
1853	GM	T	27 486 53	6.3	D	II	C	250	CCW	200	RL	42	P4	65	
2050W	TH	VR	72 503 86	6.3	5	L	F	250	*5	135	FS	50	P5	Bias	Volts, 1.5 min., 3.0.
5516	GM	T	27 5A3 00	6.3	50	G	C	250	10.0	250	RL	70	P4	65	Adj fil to 6.0.
5556	GM	T	14 320 00	4.2	50	G	D	250	20.0	RL	RL	83	P4	65	Adj fil to 4.5.
5608A	GM	T	17 500 40	2.5	10	G	C	250	5.0	RL	RL	57	P4	65	Triode #1.
5608A	GM	T	17 320 40	2.5	10	G	C	250	5.0	RL	RL	57	P4	65	Triode #2.
5610	GM	T	34 610 20	6.3	5	N	C	90	1.5	RL	RL	63	P4	65	
5618	GM	T	17 623 04	6.3	50	M	C	175	10.0	75	RL	87	P4	65	
5633	GM	T	46 3A5 12	6.3	C	N	C	100	CCW	100	RL	63	P4	65	
5634	GM	T	46 3A5 12	6.3	C	N	C	100	CCW	100	RL	62	P4	65	
5635	GM	T	36 170 84	6.3	B	N	C	100	CCW	RL	RL	52	P4	65	Triode #1.
5635	GM	T	36 250 84	6.3	B	N	C	100	CCW	RL	RL	52	P4	65	Triode #2.
5637	GM	T	34 210 50	6.3	E	N	C	60	CCW	RL	RL	58	P4	65	
5640	GM	T	36 157 20	6.3	10	N	C	100	9.0	100	RL	40	P4	65	
5644*	VR	VR	00 001 40	OFF	5	G	F	25 MA	0	FS	FS	50	P5	105	Max. Max. diff -5.0.
5644*	VR	VR	00 001 40	OFF	5	G	F	5 MA	0	FS	FS	50	P5	85	Min. Max. diff -5.0.
5646	GM	T	35 410 20	6.3	E	N	C	75	CCW	RL	RL	83	P4	65	
5659	GM	T	27 534 80	12.6	50	G	C	250	12.5	250	RL	70	P4	65	
5660	GM	T	27 B36 50	12.6	5	M	D	225	3.0	125	RL	77	P4	65	Pentode sect.
5660	FM	T	27 050 80	12.6	5	S	B	20 AC	0	RL	RL	60	P2	50	Diode #1.
5660	EM	T	27 040 80	12.6	5	S	B	20 AC	0	RL	RL	60	P2	50	Diode #2.
5661	GM	T	27 486 53	12.6	5	M	C	225	3.0	100	RL	91	P4	65	
5662	TH	VR	34 107 50	6.3	10	L	F	125	*10	125	FS	25	P5	Bias	Volts, 0.7 min., 5.7 max.
5675	GM	T	27 350 00	6.3	A	M	B	125	CCW	RL	RL	80	P4	65	Use Hickok adapter code No. 1050-121 max.
5679	EM	T	18 060 75	6.3	5	S	B	20 AC	0	RL	RL	25	P2	50	Diode #1.
5679	EM	T	18 030 25	6.3	5	S	B	20 AC	0	RL	RL	25	P2	50	Diode #2.
5686	GM	T	45 275 10	6.3	10	G	C	225	9.0	225	RL	55	P4	70	
5694	GM	T	27 430 10	6.3	10	G	C	250	3.0	RL	RL	74	P4	65	Triode #1.
5694	GM	T	27 560 80	6.3	10	G	C	250	3.0	RL	RL	74	P4	65	Triode #2.
5731	GM	T	16 430 70	6.3	10	G	C	250	7.0	RL	RL	82	P4	65	
5732	GM	T	27 B34 85	6.3	5	M	D	225	3.0	125	RL	67	P4	65	
5742	GM	T	14 320 00	4.2	10	G	E	250	8.2	RL	RL	28	P4	65	Adj fil to 4.5.

\*OK under 100 on percent quality meter. (Tube voltage drop measured.)

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting			Shunt	Press to test	Mini- mum limits	Notes
				Filament	Bias	PI SCR	Gas SIG	Bias	Screen				
5812	GM	T	34 150 02	6.3	50	G	C	27.5	250	RL	65	Adj fil to 6.0.	
5824	GM	T	27 534 80	26	50	K	G	22.0	135	RL	65	Adj fil to 25.0.	
5825	EM	T	14 0A0 00	1.5	5	G	B	0		RL	65	Adj fil to 1.0.	
5829	EM	T	35 060 70	6.3	5	S	A	0		RL	75	Diode #1.	
5829	EM	T	35 010 20	6.3	5	S	A	0		RL	75	Diode #2.	
5844	GM	T	34 520 70	6.3	E	N	C	CCW		RL	65	Triode #1.	
5844	GM	T	34 610 70	6.3	E	N	C	CCW		RL	65	Triode #2.	
5847	GM	T	39 168 40	6.3	E	N	B	CCW	60	RL	70		
5876	GM	T	27 350 60	6.3	B	J	B	CCW		RL	65	Use Hickok adaptor code No. 1050-121.	
5881	GM	T	27 534 81	6.3	50	G	B	14.0	250	RL	65		
5897	GM	T	36 180 50	6.3	C	N	B	CCW		RL	65		
5900	GM	T	36 157 20	6.3	B	N	C	CCW	100	RL	65		
5920	GM	T	43 520 70	6.3	5	N	C	2.1		RL	65	Triode No. 1.	
5920	GM	T	43 610 70	6.3	5	N	C	2.1		RL	65	Triode No. 2.	
5965	GM	T	45 700 80	12.6	D	M	B	CCW		PL	65	Triode #1.	
5965	GM	T	45 210 30	12.6	D	M	B	CCW		RL	65	Triode #2.	
5967	GM	T	24 680 00	1.1	5	Q	D	1.0		RL	65	Triode #1. Adj fil to 1.25.	
5967	GM	T	75 310 00	1.1	5	Q	D	1.0		RL	65	Triode #2. Adj fil to 1.25.	
6012	TH	VR	27 305 18	6.3	10	L	F	*1.0	140	FS		Volts, 1.6 min, 4.1 max.	
6026	GM	T	45 780 30	6.3	D	M	B	CCW		RL	65		
6055	GM	T	36 180 50	26	5	Q	C	1.4		RL	65	Adj fil to 26.5.	
6084	GM	T	45 961 38	6.3	5	M	D	2.0	100	RL	65		
6085	GM	T	45 760 80	12.6	10	G	C	5.5		RL	65	Triode #1.	
6085	GM	T	45 210 30	12.6	10	G	C	5.5		RL	65	Triode #2.	
6096	GM	T	34 156 20	6.3	5	K	C	2.0	120	RL	65		
6101	GM	T	34 520 76	6.3	B	N	B	CCW		RL	65	Triode #1.	
6101	GM	T	34 610 75	6.3	B	N	B	CCW		RL	65	Triode #2.	
6113	GM	T	78 450 62	6.3	5	G	D	2.0		RL	65	Triode #1.	
6113	GM	T	78 120 35	6.3	5	G	D	2.0		RL	65	Triode #2.	
6134	GM	T	27 485 53	6.3	D	J	B	CCW	180	RL	65	Triode #1.	
6137	GM	T	27 485 53	6.3	D	J	B	CCW	150	RL	65	Triode #2.	
6140	VR	VR	00 007 30	OFF	5	H	F	0.0		FS	103	Max. Max diff=0.75V.	
6140	VR	VR	00 008 20	OFF	5	H	F	0.0		FS	99	Min. Max diff=0.75V.	
6148	GM	T	34 712 65	6.3	D	K	C	CCW	120	RL	65		
6162	GM	T	45 310 20	6.3	E	L	C	CCW		RL	65	Adj fil to 26.5.	
6169	GM	T	27 5A3 18	26	50	K	B	30.0	200	RL	65		
6169	GM	T	36 120 40	6.3	5	N	B	0.75		RL	65		
6169	GM	T	45 268 17	6.3	5	J	B	3.0	150	RL	65	Triode #1.	
6201	GM	T	45 760 80	12.6	E	N	C	CCW		RL	65	Triode #2.	
6201	GM	T	45 210 30	12.6	E	N	C	CCW		RL	65		

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Min- imum limits	Notes
				Flament	Bias	PI SCR	Om SIG	Plate	Bias	Screen				
6221*	GM	T	36 180 50	6.3	C	N	B	100	CCW	-----	RL	90	P4	65
6222*	GM	T	36 180 50	6.3	5	N	C	100	1.6	-----	RL	95	P4	65
6223*	GM	T	36 157 80	6.3	C	N	C	100	CCW	100	RL	40	P4	65
6225*	GM	T	36 157 20	6.3	5	N	C	100	1.1	100	RL	43	P4	63
6227	GM	T	45 278 30	6.3	5	G	B	200	3.3	200	RL	43	P4	63
6247	GM	T	39 180 50	1.1	E	M	C	180	-----	-----	RL	65	P4	70
6252	GM	T	17 2A3 40	12.6	50	G	D	250	15.0	250	RL	34	P4	65
6252	GM	T	17 6A3 40	12.6	50	G	D	250	15.0	250	RL	34	P4	65
6263	GM	T	27 350 00	6.3	B	M	B	200	CCW	-----	RL	68	P4	65
6264	GM	T	27 350 00	6.3	B	M	B	200	CCW	-----	RL	73	P4	65
6265	GM	T	34 156 27	6.3	B	J	C	250	CCW	150	RL	44	P4	65
6267	GM	T	45 961 38	6.3	5	J	C	250	2.0	140	RL	90	P4	65
6280	GM	T	45 961 38	6.3	5	J	C	250	2.0	140	RL	90	P4	65
6286	GM	T	24 310 00	1.1	5	P	D	70	3.0	-----	RL	50	P4	60
6293	GM	T	27 5A3 00	6.3	50	K	C	150	30.0	145	RL	45	P4	65
6308	VR	VR	00 003 10	OFF	5	L	F	1.5 MA	0	-----	FS	50	P5	82
6308	VR	VR	00 003 50	OFF	5	L	F	3.5 MA	0	-----	FS	50	P5	92
6332	VR	VR	00 001 20	OFF	5	N	F	1.5 MA	0	-----	FS	50	P5	63
6332	VR	VR	00 001 20	OFF	5	N	F	.2 MA	0	-----	FS	50	P5	50
6350	GM	T	45 860 70	12.6	10	M	C	150	5.0	-----	RL	37	P4	65
6350	GM	T	45 310 20	12.6	10	M	C	150	5.0	-----	RL	37	P4	65
6354	VR	VR	00 001 20	OFF	5	G	F	15 MA	0	-----	FS	25	P5	116
6354	VR	VR	00 001 20	OFF	5	K	F	6 MA	0	-----	FS	25	P5	107
6355	ER	T	35 012 70	6.3	5	K	F	180	0	180	RL	0	P4	-----
6355	ER	T	35 046 70	6.3	5	K	F	180	0	180	RL	0	P4	-----
6360	GM	T	45 387 20	12.6	50	G	C	200	21.5	200	RL	61	P4	63

\*OK under 100 on percent quality meter. (Tube voltage drop measured.)

Special adapter required which is not available and special high-frequency test should be performed. Adj fil to 1.25.

Min. Max diff -3.0.  
Max. Max diff -3.0.  
Max. Max diff -1.0.  
Min. Max diff -1.0.

Triode #1.  
Triode #2.

Max. Max diff -4.  
Min. Max diff -4.  
Eye 1 open, eye 2 closed.  
Eye 2 open, eye 1 closed.  
Tetrode #1.

Connect negative (-) end of 30 V battery to pin 1 of local socket.

Tube type	Test	Function	Selectors (L, to R.)	Range			Meter setting				Shunt	Press to test	Mini- mum limits	Notes
				Flamant	Bias	PL SCR	Gm SIG	Plate	Bias	Screen				
6360	GM	T	45 167 20	12.6	50 G	C	200	21.5	200	RL	61	P4	63	Tetrode #2. Connect negative (-) end of 30 V battery to pin 3 of local socket. Connect positive (+) end of 30 V battery to pin 2 of local socket for each test. <b>Caution:</b> Disconnect bat- tery bet ween selector changes. Triode #1. Triode #2. Triode #1. Triode #2. Triode #1. Triode #2. Adj 01 to 1.25.
6385	GM	T	19 760 85	6.3	D N	C	100	CCW		RL	46	P4	65	Triode #1.
6386	GM	T	19 340 25	6.3	D N	C	100	CCW		RL	46	P4	65	Triode #2.
6414*	GM	T	54 760 80	12.6	5 M	B	180	2.3		RL	95	P4	65	Triode #1.
6414*	GM	T	54 210 30	12.6	5 M	B	180	2.3		RL	95	P4	65	Triode #2.
6417	GM	T	45 916 73	12.6	50 G	C	250	10.0	250	RL	41	P4	65	
6463	GM	T	45 860 70	12.6	C M	B	150	CCW		RL	77	P4	65	Triode #1.
6463	GM	T	45 310 20	12.6	C M	B	150	CCW		RL	77	P4	65	Triode #2.
6485	GM	T	34 156 72	6.3	C J	B	250	CCW	150	RL	47	P4	65	
6519	EM	T	53 412 00	1.5	5 Q	C	50	1.7	50	RL	95	P5	63	Adj 01 to 1.25.
6533*	GM	T	76 210 50	6.3	5 M	C	120	1.7		RL	94	P4	65	
6540	GM	T	34 712 65	6.3	D K	C	135	CCW	120	RL	31	P4	65	
6542	VR	VR	00 003 10	OFF	5 G	F	25 MA	0		FS	25	P5	125	Max. Max diff = 1.25 divisions on quality meter. Min. Leads are numbered 1, 3, 5—outside leads are cathode.
6542	VR	VR	00 003 50	OFF	5 G	F	25 MA	0		FS	25	P5	105	Test requirements beyond tester capabilities. Max. Max diff -4.5. Min. Max diff -4.5.
6550	VR	VR	00 001 70	OFF	5 G	F	30 MA	0		FS	25	P5	126	
6626	VR	VR	00 001 70	OFF	5 H	F	5 MA	0		FS	25	P5	105	
6626	GM	T	34 156 72	6.3	A N	C	100	CCW	100	RL	47	P4	65	
6601	GM	T	34 156 27	6.3	B J	C	250	CCW	150	RL	46	P4	65	
6662	GM	T	34 156 27	6.3	B M	C	225	CCW	100	RL	60	P4	65	
6663	EM	T	34 070 10	6.3	5 S	A	20 AC	0	0	RL	66	P2	50	Diode #1.
6663	EM	T	34 020 50	6.3	5 S	A	20 AC	0	0	RL	66	P2	50	Diode #2.
6669	GM	T	34 156 20	6.3	50 G	C	250	12.6	250	RL	48	P4	65	
6677	GM	T	45 263 17	6.3	5 J	B	250	3.0	150	RL	32	P4	65	
6678	GM	T	45 263 70	6.3	A J	B	250	CCW	135	RL	95	P4	65	Pentode sect.
6678	GM	T	45 910 80	6.3	A G	B	150	CCW		RL	53	P4	65	Triode sect.
6679	GM	T	45 760 81	12.6	D G	B	250	CCW		RL	87	P4	65	Triode #1.
6679	GM	T	45 210 36	12.6	D G	B	250	CCW		RL	87	P4	65	Triode #2.

\*OK under 100 on percent quality meter. (Tube voltage drop measured.)

Tube type	Test	Function	Selectors (L. to R.)	Range			
				Fluorescent	Blus	PI SCR	Gm SIG
6680	GM	T	45 760 81	12.6	10	J	C
6680	GM	T	45 210 36	12.6	10	J	C
6681	GM	T	45 760 81	12.6	5	N	D
6681	GM	T	45 210 36	12.6	5	N	D
6686	GM	T	45 278 39	6.3	5	G	B
6688	GM	T	45 279 18	6.3	5	G	A
6689	GM	T	45 291 39	6.3	5	J	B
6690	GM	T	36 750 80	6.3	5	N	C
6690	GM	T	36 210 40	6.3	5	N	C
6761	GM	T	45 217 30	6.3	50	G	B
6788	GM	T	36 157 20	6.3	10	N	D
6814	GM	T	36 180 50	6.3	5	N	D
6832*	GM	T	36 780 50	6.3	5	N	D
6832*	GM	T	36 210 40	6.3	5	N	D
6850	GM	T	53 6A1 40	12.6	10	K	C
6850	GM	T	53 2A1 40	12.6	10	K	C
6872	GM	T	34 712 65	6.3	5	K	C
6877*	GM	T	53 140 80	6.3	50	P	B
6887	EM	T	43 070 10	6.3	5	S	A
6887	EM	T	43 020 50	6.3	5	S	A
6883	GM	T	27 5A3 18	12.6	50	K	B
6888	GM	T	27 456 53	6.3	10	J	C
6907	GM	T	17 2A3 40	12.6	50	G	D
6907	GM	T	17 6A3 40	12.6	50	G	D

\*OK under 100 on percent quality meter. (Tube voltage drop measured.)

Plate	Meter setting		Shunt	Press to test	Mini- min limits	Notes
	Blus	Screen				
225	8.5	-----	80	P4	65	Triode #1.
225	8.5	-----	80	P4	65	Triode #2.
100	1.0	-----	82	P4	65	Triode #1.
100	1.0	-----	82	P4	65	Triode #2.
210	3.0	210	30	P4	65	
180	1.0	100	90	P4	65	
210	2.1	120	43	P4	65	
100	CCW	-----	40	P4	65	Triode #1.
100	CCW	-----	40	P4	65	Triode #2.
140	7.0	120	25	P4	65	
100	CCW	100	82	P4	65	
100	CCW	-----	35	P4	65	
100	3.9	-----	80	P4	63	Triode #1.
100	3.9	-----	86	P4	63	Triode #2.
250	6.6	200	43	P4	63	3-A. Connect negative (-) end of a 30 V battery to pin 2 of octal socket. Cap above octal pins 2 and 7=A. Use Hickok adapter code No. 1050-107. Connect negative (-) end of a 30 V battery to pin 6 of octal socket. Connect positive (+) end of the 30 V battery to pin 4 of octal socket for each test. <b>Caution:</b> Disconnect battery (Eveready 413) between selector changes.
200	6.6	200	43	P4	63	
120	2.2	120	48	P4	65	
100	10.0	-----	78	P4	65	Diode #1.
20 AC	0	-----	-----	P2	50	Diode #2.
20 AC	0	-----	-----	P2	50	
200	30.0	200	68	P4	65	
150	4.0	100	60	P4	65	"A" lead to left cap tetraode #1.
250	15.0	250	34	P4	65	"A" lead to right cap tetraode #2.
250	15.0	250	34	P4	65	

Tube type	Test	Function	Selectors (L. to R.)	Range		
				Filament	Bias	V SCR Ohm SIG
6919	EM	T	34 070 16	6.3	5 S	A
6919	EM	T	34 020 56	6.3	5 S	A
6922	GM	T	45 210 30	6.3	5 N	B
6922	GM	T	45 780 80	6.3	5 N	B
6939*	GM	T	54 387 20	12.6	5 H	D
6939*	GM	T	54 167 20	12.6	5 H	D
6943	GM	T	36 157 24	6.3	C K	C
6944	GM	T	36 157 24	6.3	C K	C
6945	GM	T	36 157 20	6.3	D N	C
6946	GM	T	36 180 50	6.3	D N	C
6947	GM	T	36 780 50	6.3	E M	C
6947	GM	T	36 210 40	6.3	E M	C
6948	GM	T	36 780 50	6.3	E N	C
6948	GM	T	36 210 40	6.3	E N	C
6954	GM	T	34 156 27	6.3	5 K	C
6954	GM	T	34 756 21	6.3	5 K	D
6973	GM	T	45 391 70	6.3	50 G	C
7025	GM	T	54 760 80	12.6	5 J	D
7025	GM	T	54 210 30	12.6	5 J	D
7027	GM	T	27 531 80	6.3	50 G	C
7036	EM	T	34 156 27	6.3	5 S	A
7044	GM	T	45 790 60	12.6	5 M	B
7044	GM	T	45 210 30	12.6	5 M	B
7054	GM	T	45 278 13	12.6	A J	B
7055	EM	T	34 070 16	12.6	5 S	A
7055	EM	T	34 020 56	12.6	5 S	A
7056	GM	T	34 156 27	12.6	D H	B

Plate	Meter setting			Shunt	Press to test	Minimum limits	Notes
	Bias	Screen	Sig VR				
20 AC	0	---	RL	95	P2	50	Diode #1.
20 AC	0	---	RL	95	P2	50	Diode #2.
100	1.2	---	RL	25	P4	55	Triode #1.
100	1.2	---	RL	25	P4	55	Triode #2.
200	3.5	150	RL	37	P4	63	Tetrode #1. Connect negative (-) end of 30 V battery to pin 1 of octal socket. Connect positive (+) end of battery to pin 2 of octal socket.
200	3.5	150	RL	37	P4	63	Tetrode #2. Connect negative (-) end of 30 V battery to pin 3 of octal socket. Connect positive (+) end of battery to pin 2 of octal socket. <b>Caution: Disconnect battery between selector changes.</b>
125	CCW	100	RL	62	P4	65	Triode #1.
125	CCW	100	RL	61	P4	65	Triode #2.
100	CCW	100	RL	48	P4	65	Grid #1.
100	CCW	---	RL	46	P4	65	Grid #2.
150	CCW	---	RL	50	P4	65	Triode #1.
150	CCW	---	RL	50	P4	65	Triode #2.
100	CCW	---	RL	58	P4	65	Grid #1.
100	CCW	---	RL	58	P4	65	Grid #2.
150	1.0	150	RL	57	P4	65	Triode #1.
150	1.0	150	RL	85	P4	65	Triode #2.
250	15.0	250	RL	68	P4	65	Grid #1.
225	2.0	---	RL	52	P4	67	Triode #1.
225	2.0	---	RL	52	P4	67	Triode #2.
250	14.0	250	RL	33	P4	75	Triode #1.
20 AC	0	---	RL	26	P2,P3	45	Triode #1.
120	2.0	---	RL	70	P4	65	Triode #2.
120	2.0	---	RL	70	P4	65	Triode #2.
250	CCW	150	RL	27	P4	65	Diode #1.
20 AC	0	0	RL	66	P2	50	Diode #1.
20 AC	0	0	RL	66	P2	50	Diode #2.
200	CCW	150	RL	86	P4	65	

\*OK under 100 on percent quality meter. (Tube voltage drop measured.)

Tube type	Test	Function	Selectors (L. to R.)	Range			Meter setting				Shunt	Press to test	Mini- mum limits	Notes
				Fluament	Bias	PJ SCR	Om SIG	Plate	Bias	Screen				
7067	GM	T	45 760 80	12.6	D K		B	CCW		RL	68 P4	65	Triode #1.	
7067	GM	T	45 210 30	12.6	D K		B	CCW		RL	68 P4	65	Triode #2.	
7068	GM	T	54 760 80	12.6	5 J		D	2.0		RL	52 P4	67	Triode #1.	
7068	GM	T	54 210 30	12.6	5 J		D	2.0		RL	52 P4	67	Triode #2.	
7069	GM	T	54 263 70	12.6	5 J		C	1.4	110	RL	61 P4	65	Pentode sect.	
7069	GM	T	54 910 80	12.6	5 G		C	2.0		RL	30 P4	65	Triode sect.	
7060	GM	T	54 867 90	12.6	5 J		B	1.5	125	RL	87 P4	65	Pentode sect.	
7060	GM	T	54 210 30	12.6	5 G		C	1.5		RL	47 P4	65	Triode sect.	
7061	GM	T	45 391 70	12.6	50 G		C	12.5	250	RL	45 P4	65	Special adapter required; not available.	
7077	GM	T	54 780 60	12.6	5 M		B	2.0		RL	23 P4	63	Triode #1.	
7119	GM	T	54 210 30	12.6	5 M		B	2.0		RL	23 P4	63	Triode #2.	
7167	GM	T	34 156 20	12.6	5 L		B	1.0	80	RL	70 P4	65	Adj fil to 13.5.	
7189	GM	T	45 279 30	6.3	10 G		B	7.0	250	RL	29 P4	65	Pentode sect.	
7199	GM	T	54 723 60	6.3	5 J		B	1.5	130	RL	71 P4	65	Triode sect.	
7199	GM	T	54 910 80	6.3	10 J		C	7.4		RL	74 P4	65	Triode sect.	
7247	GM	T	45 867 91	12.6	5 L		B	0.9	125	RL	61 P4	63	Pentode sect.	
7258	GM	T	45 217 36	12.0	5 L		D	3.0		RL	16 P4	63	Triode sect.	
7308	GM	T	45 210 30	6.3	5 N		B	1.2		RL	25 P4	65	Triode #11.	
7308	GM	T	45 760 80	6.3	N		B	1.2		RL	25 P4	65	Triode #12.	
7316	GM	T	45 760 80	12.6	10 J		D	8.5		RL	45 P4	65	Triode #1.	
7316	GM	T	45 210 30	12.6	10 J		D	8.5		RL	45 P4	65	Triode #2.	
7355	GM	T	72 638 50	6.3	50 G		B	15.0	225	RL	60 P4	63	Connect pin 1 to pin 8 and pin 6 to pin 7 on local socket.	
7360	GM	T	45 362 19	6.3	5 K		C	1.0	150	RL	28 P4	60	Triode #1.	
7370	GM	T	63 790 60	20.0	5 M		B	2.0		RL	29 P4	65	Triode #1.	
7370	GM	T	84 210 30	20.0	5 M		B	2.0		RL	29 P4	65	Triode #1.	
7408	GM	T	72 634 80	6.3	50 G		C	12.5	250	RL	48 P4	65	Special adapter required; not available.	
7486	GM	T	34 156 72	6.3	B J		C	CCW	125	RL	42 P4	65	Adj fil to 13.5.	
7543	GM	T	45 263 17	12.6	50 G		B	18.0	250	RL	99 P4	65	Use Hickock adapter code No. 1050-127.	
7551	GM	T	45 263 17	6.3	50 G		B	1.4	250	RL	23 P4	47	Use Hickock adapter code No. 1050-127.	
7568	GM	T	27 534 80	6.3	50 G		C	0		RL	31 P4	65	Use Hickock adapter code No. 1050-127.	
7581	GM	T	31 420 80	6.3	5 Q		B	CCW	50	RL	32 P4	65	Use Hickock adapter code No. 1050-127.	
7586	GM	T	31 4A2 80	6.3	A M		B			RL				



Tube type	Test	Function	Selectors (L. to R.)	Range			
				Filament	Bias	PI SCR Gm SIG	
7591	GM	T	27	6.3	50	G	B
7687	GM	T	45	6.3	5	J	C
7687	GM	T	45	6.3	50	K	C
7693	GM	T	34	6.3	B	J	C
7694	GM	T	34	6.3	B	M	C
7695	GM	T	45	6.3	50	K	C
7701	GM	T	45	14.0	50	G	C
7716	GM	T	45	12.6	B	J	B
7716	GM	T	45	12.6	5	M	C
7719	GM	T	45	12.6	10	J	G
7724	GM	T	45	14.0	5	J	D
7724	EM	T	45	14.0	5	S	A
7724	EM	T	45	14.0	5	S	A
7728	GM	T	45	12.6	D	G	B
7728	GM	T	45	12.6	D	G	B
7729	GM	T	45	12.6	5	N	D
7729	GM	T	45	12.6	5	N	D
7730	GM	T	45	12.6	10	J	C
7730	GM	T	45	12.6	10	J	C
7731	GM	T	45	6.3	A	J	B
7731	GM	T	45	6.3	A	G	B
7732	GM	T	34	6.3	D	I	B
7733	GM	T	46	12.0	5	J	C
7737	GM	T	45	6.3	5	G	A
7754	GM	T	45	6.3	50	K	B
7759	GM	T	36	26.0	B	N	C
7759	GM	T	36	26.0	B	N	C
7760	GM	T	36	26.0	5	Q	B
7760	GM	T	36	26.0	5	Q	B
7761	GM	T	36	26.0	B	L	B
7762	GM	T	36	26.0	E	N	C
7868	GM	T	12	6.3	10	G	B
7889	GM	T	36	25.0	E	N	C
7889	GM	T	36	25.0	E	N	C
7895	GM	T	13	6.3	D	N	B
9003	GM	T	34	6.3	5	M	D
XXB	GM	T	78	1.5	5	N	D
XXB	GM	T	17	1.5	5	N	D
XXD	GM	T	18	12.6	50	G	C

Tube type	Meter setting			Shunt	Press to test	Minimum limits	Notes
	Plate	Bias	Screen Sig V R				
250	10	250	RL	55	P4	65	
220	.8	130	RL	30	P4	65	Pentode sect.
215	8.5	---	RL	77	P4	65	Triode sect.
250	CCW	150	RL	46	P4	65	
225	CCW	100	RL	60	P4	65	
130	11	130	RL	24	P4	65	
230	12.5	230	RL	56	P4	65	Adj fil to 13.6.
200	0	125	RL	42	P4	65	Pentode sect.
125	1.0	---	RL	69	P4	65	Triode sect.
250	10.0	---	RL	58	P4	65	Triode sect.
250	3.0	---	RL	97	P4	63	Diode #1.
20 AC	0	---	RL	100	P2	40	Diode #2.
20 AC	0	---	RL	100	P2	40	Diode #2.
250	CCW	---	RL	87	P4	65	Triode #1.
250	CCW	---	RL	87	P4	65	Triode #2.
100	1.0	---	RL	82	P4	65	Triode #1.
100	1.0	---	RL	82	P4	65	Triode #2.
225	8.5	---	RL	80	P4	65	Triode #1.
225	8.5	---	RL	80	P4	65	Triode #2.
250	CCW	135	RL	95	P4	65	Pentode sect.
150	CCW	---	RL	53	P4	65	Triode sect.
200	CCW	150	RL	88	P4	65	
250	2.6	140	RL	37	P4	65	
180	1.0	150	EL	90	P4	65	
130	11	130	RL	24	P4	65	
100	CCW	---	RL	39	P4	65	Triode No. 1.
100	CCW	---	RL	39	P4	65	Triode No. 2.
40	0	---	RL	85	P4	65	Triode No. 1.
40	0	---	RL	85	P4	65	Triode No. 2.
150	CCW	100	RL	45	P4	65	
110	0	---	RL	47	P4	65	
250	7.0	250	RL	33	P4	65	Use Hickock adapter code No. 1050-144.
100	CCW	---	RL	76	P4	65	Triode #1.
100	CCW	---	RL	76	P4	65	Triode #2.
110	CCW	---	RL	45	P4	65	Use Hickock adapter code No. 1050-127.
175	2.4	80	RL	59	P4	64	Short in Z.
100	3.0	---	RL	98	P4	65	Triode #1. Adj fil to 1.4.
100	3.0	---	RL	98	P4	65	Triode #2. Adj fil to 1.4.
230	10.0	---	RL	85	P4	65	Triode #1.

Tube type	Test	Function	Selectors (L. to R.)	Range		
				Filament	Bias	PI SCR Gm SIG
XXD	GM	T	18 430 20	12.6	50 G	C
XXFM	GM	T	18 320 40	6.3	5 G	C
XXFM	EM	T	18 050 40	6.3	5 S	B
XXFM	EM	T	18 060 70	6.3	5 S	B
XXL	GM	T	18 620 70	6.3	10 G	C

Plate	Meter setting			Shunt	Press to test	Minimum limits	Notes
	Bias	Screen	Sig VR				
250	10.0	-----	RL	85	P4	65	Triode #2.
250	1.0	-----	RL	97	P4	65	Triode sect.
20 AC	0	-----	RL	21	P2	50	Diode #1.
20 AC	0	-----	RL	21	P2	50	Diode #2.
250	8.0	-----	RL	70	P4	65	

## 4. Ballast Tube Test Data.

Ballast tube type	FIL-selector switch position	FIL+selector switch positions (FIL CONT-SHORT lamp should glow in each position)
1A1/5E1	1	4
1B1	1	4
1C1	1	4
1E1	1	4
1F1	1	4
1G1	1	4
1J1	1	4
1K1	1	4
1L1	2	7
1N1	2	7
1P1	2	7
1Q1	2	7
1R1G	2	7
1S1G	2	7
1T1G	2	7
1U1G	2	7
1V1	1	4
1X1	1	4
1Y1	1	4
1Z1	1	4
2	1	4
2UR224	3	7, 8
	7	8
2LR212	4	1, 2, 8
O3G	3	7
3	1	4
4	1	4
5	1	4
6-133	3	7
6	1	4

Ballast tube type	FIL-selector switch position	FIL+selector switch positions (FIL CONT-SHORT lamp should glow in each position)
6-6AA	2	7
7	1	4
8	1	4
9	1	4
10A	3	7
10AG	3	7
10AB	3	7, 8
K17B	3	7, 8
M17C	3	7, 8
BM17C	3	7, 8
M17H7, M17H	1	7, 8
	2	3
L23P	3	7, 8
K23C	1	7, 8
KX23B	1	3, 4
M30H	2	3
	1	7, 8
30A, K30A	3	7
K30D	3	2, 7, 8
33A, 33AG	3	7
K34B	3	7, 8
36A	3	7
K36B, BK36B	3	7, 8
L36B	3	7, 8
L36C	3	7, 8
KX36C	1	3, 4
KX36A	1	4
36D	3	2, 7, 8
L36D	3	2, 7, 8
L36DJ	4	2, 7, 8
K36H	2	3
	1	7, 8

Ballast tube type	FIL-selector switch position	FIL+selector switch positions (FIL CONT-SHORT lamp should glow in each position)
M36H, M36HG	2	3
	1	7, 8
L40S1	3	2, 5, 7
L40S2	3	2, 5, 7
42A	3	7
42A1	4	8
42A2	4	1, 8
42B2	4	1, 8
K42B	3	7, 8
L42B	3	7, 8
M42B	3	7, 8
KX42B	1	3, 4
LX42B	1	3, 4
L42BX	3	7, 8
K42C	3	7, 8
L42C	3	7, 8
M42C	3	7, 8
KB42D	3	2, 7, 8
K42D	3	2, 7, 8
L42D	3	2, 7, 8
LX42D	1	2, 3, 4
L42DX	1	2, 3, 4
K42E	3	2, 5, 7, 8
L42E	3	2, 5, 7, 8
L42F	2	3
	7	8
42HA	1	7, 8
	2	3, 4
K42HJ	4	2
	1	7, 8
M42H, M32HG	2	3
	1	7, 8

Ballast tube type	FIL-selector switch position	FIL+selector switch positions (FIL CONT-SHORT lamp should glow in each position)
KX42C	1	3, 4
L42S1	3	5, 6
49A	3	7
49AJ, K49AJ	4	7
KX49A	1	4
49A1	4	8
49A2	4	1, 8
49B2	4	1, 8
K49B	3	7, 8
M49B, BM49B	3	7, 8
K47C	3	7, 8
M49C, BM49C	3	7, 8
BK49C	3	7, 8
K49E	3	2, 5, 7, 8
L49E	3	2, 5, 7, 8
K49D, BK49D	3	2, 7, 8
L49D	3	2, 7, 8
L49F	2	3
	7	8
M49H, M49HG	2	3
	1	7, 8
KZ59B	2	5, 7
KZ49C	2	5, 7
K49BJ	4	7, 8
L49PJ	4	7, 8
L49S2	3	2, 5, 7
49AJ, K49AJ	4	7
KX49B	1	3, 4
LX49B	1	3, 4
LX49C	1	3, 4
L49DJ	4	2, 7, 8

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Ballast tube type	FIL-selector switch position	FIL+selector switch positions (FIL CONT-SHORT lamp should glow in each position)
L49S3	3	2, 5, 7
50A2	1	3, 4
50A2MG	2	3, 4
50B2	2	5, 7
50X3	1	4
K52H	2	3
	1	7, 8
M52H	2	3
	1	7, 8
K54B	3	7, 8
55A, K55A	3	7
55A1	4	8
KX55A	1	4
55B, K55B	3	7, 8
M55B, BM55B	3	7, 8
L55BG	3	7, 8
LX55B	1	3, 4
55A2	4	1, 8
55B2	4	1, 8
K55C	3	7, 8
L55C	3	7, 8
KX55C	1	3, 4