

TB 11-2661-1

TECHNICAL BULLETIN

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HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON 25, D.C., 27 January 1960

SUPPLEMENTARY TEST DATA FOR TEST SETS, ELECTRON TUBE TV-2/U, TV-2A/U, AND TV-2B/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. **Supplementary Tube Test Data.** The supplementary 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 11-2661, Electron Tube Test Sets TV-2/U, TV-2A/U, and TV-2B/U.

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 "counterclockwise".

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.

Tube type	Test Function	Selectors (L to R)	Range				Meter setting				Press to test	Minimum limits	Notes
			filament	Bias	PL. SOR	GM. SIG	Plate	Bias	Screen	SIG. VR			
0C2	VR	00 005 70	OFF	5	G	F	30 MA	0	0	FS	P5	83	Max. Diff. -1.5.
0C2	VR	00 005 70	OFF	5	G	F	6 MA	0	0	FS	P5	68	Min. }
0G3	VR	00 001 20	OFF	5	L	F	9 MA	0	0	FS	P5	88	Max. Diff. -1.0.
0G3	VR	00 005 40	OFF	5	L	F	2 MA	0	0	FS	P5	82	Adj. Fil. to 1.4.
1AB6	GM	17 435 02	1.5	5	Q	E	45	3.5	45	RL	P4	65	Adj. Fil. to 1.4.
1AC5	GM	17 432 65	1.1	10	N	E	67.5	4.5	67.5	RL	P4	65	Adj. Fil. to 1.4.
1AC6	GM	17 432 65	1.5	5	Q	D	45	2.5	45	RL	P4	65	Adj. Fil. to 1.4.
1AD5	GM	17 432 65	1.1	5	N	E	67.5	2.5	67.5	RL	P4	65	Adj. Fil. to 1.4.
1AF4	GM	17 623 00	1.5	5	N	D	90	1.2	90	RL	P4	65	Adj. Fil. to 1.4.
1AF5	GM	17 654 00	1.5	5	N	E	90	1.0	90	RL	P4	65	Pentode Sec. } Adj. Fil. Diode Sec. } to 1.4.
1AF5	EM	17 030 00	1.5	5	S	C	20 AC	0	0	RL	P2	65	Adj. Fil. to 1.25.
1AG4	GM	35 412 00	1.1	5	Q	D	45	3.5	45	RL	P4	65	Pentode Sec. } Adj. Fil. Diode Sec. } to 1.25.
1AG5	GM	46 512 00	1.1	5	Q	E	45	2.0	45	RL	P4	65	Pentode Sec. } Adj. Fil. Diode Sec. } to 1.25.
1AG5	EM	46 030 00	1.1	5	S	C	20 AC	0	0	RL	P2	65	Diode Sec. } to 1.25.
1AJ5	GM	46 512 00	1.1	5	Q	E	45	1.0	45	RL	P4	65	Adj. Fil. to 1.25.
1AJ5	EM	46 030 00	1.1	5	S	B	20 AC	0	0	RL	P2	65	Pentode Sec. } Adj. Fil. Diode Sec. } to 1.25.
1AK4	GM	35 412 00	1.1	5	Q	E	45	1.0	45	RL	P4	65	Diode Sec. } to 1.25.
1AK5	EM	46 512 00	1.1	5	Q	E	45	1.0	45	RL	P2	65	Diode Sec. } to 1.25.
1AK5	EM	46 030 00	1.1	5	S	C	20 AC	0	0	RL	P2	65	Diode Sec. } to 1.4.
1C3	GM	17 420 00	1.5	5	N	E	90	3.0	0	RL	P4	65	Pentode Sec. } Adj. Fil. Diode Sec. } to 1.4.
1DN5	GM	17 623 00	1.5	5	N	E	90	4.0	90	RL	P2	65	Diode Sec. } to 1.25.
1DN5	EM	17 040 00	1.5	5	S	C	20VAC	0	0	RL	P4	65	Diode Sec. } to 1.4.
1E3	GM	45 180 00	1.1	10	G	O	150	3.5	0	RL	P4	65	Adj. Fil. to 1.25.
1H2	EM	12 00A 00	1.5	5	K	F	(#)	0	(#)	CW	P5	65	Adj. Fil. to 1.4.
1T6	GM	45 318 00	1.1	5	N	E	67.5	0.5	67.5	RL	P4	65	Pentode Sec.
1T6	EM	45 060 00	1.1	5	S	E	20 AC	0	0	RL	P2	65	Diode Sec.
1U6	GM	17 453 26	1.5	5	N	E	65	1.0	65	RL	P4	65	Adj. Fil. to 1.4.

1V6	GM	T	47 312 00	1.1	5	Q	E	45	1.0	45	RL	79	P4	65 Pentode Sec. Adj. Fil.
1V6	GM	T	47 560 03	1.1	5	Q	E	45	3.5	45	RL	60	P4	65 Triode Sec. } to 1.25.
1W4	GM	T	17 623 00	1.5	50	N	D	90	9.0	90	RL	92	P4	65 Adj. Fil. to 1.4.
2AF4	GM	T	34 210 50	2.5	0	N	B	80	CCW	0	RL	73	P4	65 Adj. Fil. to 2.35.
2B3	EM	T	27 0A0 00	2.0	5	N	A	100	0	0	RL	40	P2	65 Adj. Fil. to 1.75.
2BN4	GM	T	34 250 10	2.0	D	G	B	150	CCW	0	RL	70	P4	65 Adj. Fil. to 2.1.
2OY6	GM	T	34 156 20	2.5	5	L	B	125	1.0	80	RL	0	P4	65 Adj. Fil. to 2.4.
2E5	ER	T	16 040 50	2.5	5	K	F	200	0	200	RL	0	P4	Eye open.
2E5	ER	T	16 042 50	2.5	5	K	F	200	0	200	RL	0	P4	Eye closed.
2E5	EM	T	16 343 50	2.5	5	S	A	20	AC	0	RL	54	P2, P3	Triode sec.
2E36	GM	T	35 412 00	1.1	5	Q	E	45	1.25	45	RL	55	P4	65 Pentode Sec. Adj. Fil.
2E41	GM	T	46 512 00	1.1	5	S	O	45	2.0	45	RL	80	P2	Diode Sec. } to 1.25.
2E41	EM	T	46 030 00	1.1	5	S	O	20	AC	0	RL	26	P2	65 Pentode Sec. Adj. Fil.
2E42	GM	T	46 512 00	1.1	5	Q	E	45	2.0	45	RL	80	P4	Diode Sec. } to 1.25.
2E42	EM	T	46 030 00	1.1	5	S	O	20	AC	0	RL	26	P2	65 Heptode Sec. Adj. Fil.
2G22	GM	T	47 328 51	1.1	5	Q	E	45	3.0	43	RL	85	P4	Triode Sec. } to 1.25.
2G22	GM	T	47 310 00	1.1	5	Q	E	40	3.0	40	RL	67	P4	65 Adj. Fil. to 2.35.
2T4	GM	T	34 210 50	2.5	0	N	B	80	CCW	0	RL	68	P4	65 Adj. Fil. to 2.35.
2V2	EM	T	27 0A0 00	2.5	5	G	A	225	0	0	RL	21	P2	65 Adj. Fil. to 3.15.
3A2	EM	T	12 0A0 00	3.0	5	G	A	150	0	0	RL	21	P2	65 Adj. Fil. to 3.15.
3A3	EM	T	27 0A0 00	3.0	5	G	A	225	0	0	RL	21	P2	65 Adj. Fil. to 3.2.
3AF4A	GM	T	34 210 60	3.0	0	N	B	80	CCW	0	RL	73	P4	65 Diode #1 Adj. Fil. to
3AL5	EM	T	34 070 10	3.0	5	S	A	20	AC	0	RL	66	P2	65 Diode #2 } 3.15.
3AL5	EM	T	34 020 50	3.0	5	S	A	20	AC	0	RL	66	P2	65 Adj. Fil. to 3.15.
3AV6	GM	T	34 156 72	3.0	A	J	B	250	CCW	150	RL	100	P4	65 Triode Sec. Adj. Fil.
3AV6	GM	T	34 170 20	3.0	5	G	O	250	2.0	0	RL	58	P2	Diode #1 } to 3.15.
3AV6	EM	T	34 060 20	3.0	5	S	B	20	AC	0	RL	58	P2	65 Diode #2 } to 3.15.
3AV6	EM	T	34 050 20	3.0	5	S	B	20	AC	0	RL	58	P2	65 Adj. Fil. to 3.15.
3B2	EM	T	27 0A0 00	3.0	5	G	A	225	0	0	RL	30	P2	65 Adj. Fil. to 3.15.
3BA6	GM	T	34 156 72	3.0	A	N	O	100	CCW	100	RL	48	P4	65 Adj. Fil. to 3.15.
3BC5	GM	T	34 156 20	3.0	D	J	O	250	CCW	150	RL	35	P4	65 Adj. Fil. to 3.15.
3BE6	GM	T	34 156 27	3.0	5	N	A	110	1.0	110	RL	98	P4	65 Adj. Fil. to 3.15.
3EN4	GM	T	34 250 10	3.0	D	G	B	150	CCW	0	RL	70	P4	65 Adj. Fil. to 2.8.
3EN6	GM	T	34 275 15	3.0	5	N	D	75	2.0	67.5	RL	53	P4	65 Adj. Fil. to 3.15.

Adjust Plate and Screen controls so that Plate Meter reads 3.0 MA.

* OK under 100 on Percent Quality Meter. (Tube voltage drop measured.)

Tube type	Test	Function	Selectors (L to R)	Range			Meter setting				Press to test	Minimum limit	Notes	
				Flament	Bias	PL, SCR	GM, SIG	Plate	Bias	Screen				SIG, V _H
2B08	GM	T	45 782 19	3.0	5	L	D	150	1.0	100	RL	66	P4	Pentode #1 Adj. FUL to 3.15.
3B08	GM	T	45 782 16	3.0	5	L	D	150	1.0	100	RL	66	P4	65 Pentode #2 to 3.15.
3BY6	GM	T	34 156 27	3.0	5	P	O	100	2.0	50	RL	63	P4	65 Adj. FUL to 3.15.
3BZ6	GM	T	34 156 27	3.0	D	H	B	200	COW	150	RL	88	P4	65 Adj. FUL to 3.15.
3C2	EM	T	27 0A0 00	3.0	5	C	A	150	0	-----	RL	24	P2	50 Adj. FUL to 3.15.
3C4	GM	T	17 623 00	2.5	10	N	O	85	5.2	85	RL	93	P4	65 Adj. FUL to 2.8.
3CB6	GM	T	34 156 27	3.0	D	H	B	200	COW	150	RL	88	P4	65 Adj. FUL to 3.15.
3CE5	GM	T	34 156 20	3.0	D	H	B	200	COW	150	RL	88	P4	65 Adj. FUL to 3.15.
3CF6	GM	T	34 156 27	3.0	D	H	B	200	COW	150	RL	88	P4	65 Adj. FUL to 3.15.
3CS6	GM	T	34 156 27	3.0	5	N	O	80	1.0	80	RL	63	P4	65 Adj. FUL to 3.15.
3CY6	GM	T	34 156 20	3.0	5	L	B	125	1	80	RL	70	P4	65 Adj. FUL to 2.9.
3DK6	GM	T	34 156 27	3.0	A	K	B	125	COW	125	RL	48	P4	65 Adj. FUL to 3.15.
3DT6	GM	T	34 156 27	3.0	E	L	O	150	COW	100	RL	87	P4	65 Adj. FUL to 3.15.
3E5	GM	T	17 623 00	2.5	10	N	D	90	8.0	90	RL	87	P4	65
3E6	GM	T	18 623 04	3.0	5	N	D	90	1.8	90	RL	74	P4	65
4AU6	GM	T	34 156 72	4.2	C	N	O	100	COW	100	RL	63	P4	65
4BA6	GM	T	34 156 72	4.2	A	M	O	220	COW	100	RL	43	P4	65
4BC5	GM	T	34 156 20	4.2	C	J	B	250	COW	150	RL	93	P4	65
4BC8	GM	T	45 760 89	4.2	D	G	O	150	COW	-----	RL	28	P4	65 Triode #1 Adj. FUL to 4.2.
4BC8	GM	T	45 210 39	4.2	D	G	O	150	COW	-----	RL	28	P4	65 Triode #2 to 4.2.
4BE6	GM	T	34 156 27	4.2	5	N	A	110	1.0	110	RL	98	P4	65
4BN6	GM	T	34 275 16	4.2	5	N	D	75	2.0	67.5	RL	83	P4	65
4BQ7A	GM	T	45 760 89	4.2	D	G	O	150	COW	-----	RL	27	P4	65 Triode #1 Adj. FUL to 4.2.
4BQ7A	GM	T	45 210 39	4.2	D	G	O	150	COW	-----	RL	27	P4	65 Triode #2 to 4.2.
4BS8	GM	T	45 760 89	4.2	D	G	B	150	COW	-----	RL	64	P4	65 Triode #1 Adj. FUL to 4.2.
4BS8	GM	T	45 210 39	4.2	D	G	B	150	COW	-----	RL	64	P4	65 Triode #2 to 4.2.
4BU8	GM	T	45 782 19	4.2	5	L	D	150	1.0	100	RL	66	P4	65 Pentode #1.

4BR8	GM	T	45	732	16	4.2	5	L	D	150	1.0	100	RL	66	P4	65	Pentode #2.
4BX8	GM	T	45	760	89	4.2	5	P	B	65	1.5	-----	RL	95	P4	65	Triode #1 | Adj. Fil. to 4.5.
4BX8	GM	T	45	210	39	4.2	5	P	B	65	1.5	-----	RL	95	P4	65	Triode #2
4BZ6	GM	T	34	156	27	4.2	D	H	B	200	CCW	150	RL	88	P4	65	Triode #1 | Adj. Fil. to 4.2.
4BZ7	GM	T	45	760	89	4.2	D	G	B	150	CCW	-----	RL	74	P4	65	Triode #1.
4BZ7	GM	T	45	210	39	4.2	D	G	B	125	CCW	-----	RL	62	P4	65	Triode #2.
4BZ8	GM	T	45	760	89	4.2	B	M	B	125	CCW	-----	RL	62	P4	65	
4BZ8	GM	T	45	210	39	4.2	B	M	B	125	CCW	-----	RL	62	P4	65	
4CB6	GM	T	34	156	27	4.2	D	H	B	200	CCW	150	RL	88	P4	65	
4CE5	GM	T	34	156	20	4.2	D	H	B	200	CCW	150	RL	88	P4	65	
4CS6	GM	T	34	165	27	4.2	5	N	O	80	1.0	80	RL	53	P4	65	
4CY6	GM	T	34	156	20	4.2	5	L	B	125	1.0	80	RL	70	P4	65	Adj. Fil. to 4.5.
4DE6	GM	T	34	156	27	4.2	D	H	B	200	CCW	150	RL	88	P4	65	
4DT6	GM	T	34	156	27	4.2	E	L	O	150	CCW	100	RL	87	P4	65	
5AM8	GM	T	45	263	19	5.0	C	H	B	200	CCW	150	RL	95	P4	65	Pentode Sec. | Adj. Fil. to 4.7.
5AM8	EM	T	45	080	70	5.0	5	S	A	20A	C	0	RL	88	P2	50	Diode Sec. | to 4.7.
5AN8	GM	T	45	867	91	5.0	D	H	B	200	CCW	150	RL	54	P4	65	Pentode Sec. | Adj. Fil. to 4.7.
5AN8	GM	T	45	210	36	5.0	10	G	O	200	6.0	-----	RL	52	P4	65	Diode Sec. | to 4.7.
5AQ5	GM	T	34	156	20	5.0	10	K	O	180	8.5	180	RL	18	P2	50	Diode Sec. | to 4.7.
5AS8	GM	T	45	231	37	5.0	D	H	B	200	CCW	150	RL	88	P4	65	Pentode Sec. | Adj. Fil. to 4.7.
5AS8	EM	T	45	060	87	5.0	5	S	B	20A	C	0	RL	42	P4	65	Triode Sec. | to 4.7.
5AT8	GM	T	45	967	38	5.0	D	J	O	250	CCW	150	RL	42	P4	65	Pentode Sec. | Adj. Fil. to 4.7.
5AT8	GM	T	45	120	30	5.0	B	N	B	100	CCW	-----	RL	89	P4	65	Diode Sec. | to 4.7.
5AV8	GM	T	45	688	70	5.0	D	H	B	200	CCW	150	RL	88	P4	65	Triode Sec. | to 4.7.
5AV8	GM	T	45	230	10	5.0	10	G	O	200	6.0	-----	RL	52	P4	65	Pentode Sec. | Adj. Fil. to 4.7.
5B8	GM	T	45	688	71	5.0	D	H	B	200	CCW	150	RL	88	P4	65	Triode Sec. | to 4.7.
5B8	GM	T	45	230	19	5.0	10	G	O	200	6.0	-----	RL	52	P4	65	Pentode Sec. | Adj. Fil. to 4.7.
5BE8	GM	T	45	967	83	5.0	A	J	B	250	CCW	135	RL	92	P4	65	Triode Sec. | Adj. Fil. to 4.7.
5BE8	GM	T	45	120	30	5.0	A	M	B	150	CCW	-----	RL	43	P4	65	Pentode Sec. | Adj. Fil. to 4.7.
5BK7A	GM	T	45	760	89	5.0	A	M	B	150	CCW	-----	RL	38	P4	65	Triode #1 | Adj. Fil. to 4.7.
5BK7A	GM	T	45	210	39	5.0	A	M	B	150	CCW	-----	RL	38	P4	65	Triode #2 | 4.7.
5BQ7A	GM	T	45	760	89	5.0	D	G	O	150	CCW	-----	RL	27	P4	65	Triode #1 | Adj. Fil. to 4.7.
5BQ7A	GM	T	45	210	39	5.0	D	G	O	150	CCW	-----	RL	27	P4	65	Triode #2 | 5.6.
5BR8	GM	T	45	967	80	5.0	A	J	B	250	CCW	135	RL	93	P4	65	Pentode Sec. | Adj. Fil. to 4.7.
5BR8	GM	T	45	120	30	5.0	A	M	B	150	CCW	-----	RL	43	P4	65	Triode Sec. | to 4.7.

Tube type	Test Function	Selectors (L to R)	Range			Meter setting				Stunt	Press to test	Minimum limits	Notes
			Filament	Bias	PL, SCR	GM, SIG	Plate	Bias	Screen					SIG, VR
6BS8	GM	T	45	D	G	B	150	CCW	RL	64	P4	65	Triode #1 } Adj. Fil. to
6BS8	GM	T	45	D	G	B	150	CCW	RL	64	P4	65	Triode #2 } 5.6.
6BT8	GM	T	45	C	H	B	200	CCW	150	77	P4	65	Pentode Sec. } Adj. Fil.
6BT8	EM	T	45	0	S	B	20AC	0	RL	28	P2	50	Diode #1 } to 4.7.
6BT8	EM	T	45	0	S	B	20AC	0	RL	28	P2	50	Diode #2 } to 4.7.
6BW8	GM	T	54	A	J	B	250	CCW	135	95	P4	65	Pentode Sec. } Adj. Fil.
6BW8	EM	T	54	0	S	A	20AC	0	RL	90	P2	50	Diode #1 } to 4.7.
6BZ7	GM	T	54	0	S	A	20AC	0	RL	90	P2	50	Diode #2 } to 4.7.
6BZ7	GM	T	45	D	G	B	150	CCW	RL	74	P4	65	Triode #1 } Adj. Fil. to
6CG8	GM	T	45	D	G	B	150	CCW	RL	74	P4	65	Triode #2 } 5.6.
6CG8	GM	T	45	D	J	C	250	CCW	150	42	P4	65	Pentode Sec. } Adj. Fil.
6GL8	GM	T	45	B	N	B	100	CCW	RL	89	P4	65	Triode Sec. } to 4.7.
6GL8	GM	T	45	G	K	B	150	1.0	125	88	P4	65	Tetrode Sec. } Adj. Fil.
6GL8	GM	T	45	G	K	B	125	CCW	RL	54	P4	65	Triode Sec. } to 4.7.
6CM6	GM	T	45	10	K	O	180	8.5	180	54	P4	65	Adj. Fil. to 4.7.
6CM8	GM	T	45	D	H	B	200	CCW	150	88	P4	65	Pentode Sec. } Adj. Fil.
6CM8	GM	T	45	0	G	C	250	2.0	RL	83	P4	65	Triode Sec. } to 4.7.
6CQ8	GM	T	45	0	G	B	150	1.0	125	83	P4	65	Tetrode Sec. } Adj. Fil.
6CQ8	GM	T	45	0	G	B	125	CCW	RL	55	P4	65	Triode Sec. } to 4.7.
6CZ5	GM	T	45	0	K	O	250	14.0	250	39	P4	65	Adj. Fil. to 4.7.
6DH8	GM	T	45	0	G	B	150	CCW	125	48	P4	65	Pentode Sec. } Adj. Fil.
6DH8	GM	T	45	0	E	J	200	CCW	RL	43	P4	65	Triode Sec. } to 5.2.
6EA8	GM	T	45	0	K	B	150	1.0	125	80	P4	65	Pentode Sec. } Adj. Fil.
6EA8	GM	T	45	0	K	B	150	0	RL	50	P4	65	Triode Sec. } to 4.7.
6EH8	GM	T	45	0	K	B	150	1.0	125	85	P4	65	Pentode Sec. } Adj. Fil.
6EH8	GM	T	45	0	M	B	125	1.0	RL	60	P4	65	Triode Sec. } to 4.7.

5J6	GM	T	34	520	76	5.0	B	N	B	100	CCW	RL	91	P4	65	Triode #1	
5J6	GM	T	34	610	76	5.0	B	N	B	100	CCW	RL	91	P4	65	Triode #2	
5T3	GM	T	45	800	70	5.0	S	G	D	250	3.0	RL	68	P4	65	Triode Sec.	
5T3	EM	T	45	060	70	5.0	S	S	A	20AC	0	RL	50	P2	50	Diode #1	
5T3	EM	T	45	020	30	5.0	S	S	A	20AC	0	RL	50	P2	50	Diode #2	
5T3	EM	T	45	010	70	5.0	S	S	A	20AC	0	RL	50	P2	50	Diode #3	
5U8	GM	T	45	263	70	5.0	A	J	B	250	CCW	135	RL	92	P4	65	Pentode Sec.
5U8	GM	T	45	010	80	5.0	A	G	B	150	CCW	RL	47	P4	65	Triode Sec.	
5V6	GM	T	27	534	80	5.0	S	K	O	180	8.5	180	RL	59	P4	65	Adj. Fil. to 4.7.
5X3	GM	T	45	798	61	5.0	D	J	O	250	CCW	150	RL	42	P4	65	Pentode Sec.
6AB8	GM	T	45	230	60	5.0	B	N	B	100	CCW	RL	89	P4	65	Triode Sec.	
6AB8	GM	T	45	968	37	6.3	K	O	C	170	6.5	170	RL	66	P4	65	Pentode Sec.
6AJ5	GM	T	45	210	30	6.3	S	N	D	100	2.0	RL	73	P4	65	Triode Sec.	
6AJ5	GM	T	45	261	37	6.3	S	L	O	200	1.5	150	RL	79	P4	65	Heptode Sec.
6AK3	GM	T	45	960	36	6.3	S	L	O	180	1.5	RL	52	P4	65	Triode Sec.	
6AK3	EM	T	45	800	76	6.3	S	J	D	250	3.0	RL	55	P4	65	Triode Sec.	
6AK3	EM	T	45	060	79	6.3	S	S	A	20AC	0	RL	53	P2	50	Diode #1	
6AK3	EM	T	45	020	30	6.3	S	S	A	20AC	0	RL	90	P2	50	Diode #2	
6AK3	EM	T	45	010	79	6.3	S	S	A	20AC	0	RL	90	P2	50	Diode #3	
6AN8	GM	T	45	867	91	6.3	D	H	B	200	CCW	150	RL	88	P4	65	Pentode Sec.
6AN8	GM	T	45	210	36	6.3	K	G	O	200	6.0	RL	52	P4	65	Triode Sec.	
6AQ8	GM	T	45	760	89	6.3	S	N	O	100	1.0	RL	50	P4	65	Triode #1	
6AQ8	GM	T	45	210	39	6.3	S	N	O	100	1.0	RL	50	P4	65	Triode #2	
6AR3	GM	T	45	683	72	6.3	E	G	O	250	CCW	250	RL	53	P4	65	Plate #2
6AR3	GM	T	45	683	71	6.3	E	G	O	250	CCW	250	RL	53	P4	65	Plate #1
6AS3	GM	T	45	291	37	6.3	D	H	B	200	CCW	150	RL	88	P4	65	Pentode Sec.
6AS3	EM	T	45	060	80	6.3	S	S	B	20AC	0	RL	18	P2	50	Diode Sec.	
6AT7	GM	T	46	967	38	6.3	D	J	C	250	CCW	150	RL	42	P4	65	Pentode Sec.
6AT7	GM	T	45	120	30	6.3	B	N	B	100	CCW	RL	89	P4	65	Triode Sec.	
6AU7	GM	T	45	760	80	6.3	K	G	O	250	8.5	RL	73	P4	65	Triode #1	
6AU7	GM	T	45	210	30	6.3	K	G	O	250	8.5	RL	73	P4	65	Triode #2	
6AU8	GM	T	45	798	60	6.3	B	L	B	200	CCW	125	RL	79	P4	65	Pentode Sec.
6AU8	GM	T	45	230	10	6.3	C	L	O	150	CCW	RL	43	P4	65	Triode Sec.	
6AW7	GM	T	78	260	10	6.3	K	N	D	150	1.9	RL	100	P4	65	Triode Sec.	
6AW7	EM	T	78	230	50	6.3	S	S	B	20AC	0	RL	22	P2	50	Diode #1	
6AW7	EM	T	78	240	10	6.3	S	S	B	20AC	0	RL	22	P2	50	Diode #2	

5J6	GM	T	34	520	76	5.0	B	N	B	100	CCW	RL	91	P4	65	Triode #1	Adj. Fil. to 4.7.	
5J6	GM	T	34	610	76	5.0	B	N	B	100	CCW	RL	91	P4	65	Triode #2	4.7.	
5T8	GM	T	45	800	70	5.0	E	G	D	250	3.0	RL	88	P4	65	Triode Sec.		
5T8	EM	T	45	060	70	5.0	E	S	A	20AC	0	RL	50	P2	50	Diode #1		
5T8	EM	T	45	020	30	5.0	E	S	A	20AC	0	RL	50	P2	50	Diode #2		
5T8	EM	T	45	010	70	5.0	E	S	A	20AC	0	RL	50	P2	50	Diode #3		
5U8	GM	T	45	263	70	5.0	A	J	B	250	CCW	135	RL	92	P4	65	Pentode Sec.	Adj. Fil.
5U8	GM	T	45	910	80	5.0	A	G	B	150	CCW	RL	47	P4	65	Triode Sec.	to 4.7.	
5V6	GM	T	27	534	80	5.0	E	K	O	180	5.5	180	RL	50	P4	65	Adj. Fil. to 4.7.	
5X3	GM	T	45	230	60	5.0	D	J	O	250	CCW	150	RL	42	P4	65	Pentode Sec.	Adj. Fil.
6AB8	GM	T	45	968	37	6.3	0	K	O	170	5.5	170	RL	66	P4	65	Pentode Sec.	to 4.7.
6AJ8	GM	T	45	210	30	6.3	E	N	D	100	2.0	RL	73	P4	65	Triode Sec.		
6AJ8	GM	T	45	261	37	6.3	E	L	O	200	1.5	150	RL	79	P4	65	Heptode Sec.	
6AK3	GM	T	45	980	36	6.3	E	L	O	180	1.6	RL	52	P4	65	Triode Sec.		
6AK3	GM	T	45	800	76	6.3	E	J	D	250	3.0	RL	55	P4	65	Triode Sec.		
6AK3	EM	T	45	060	79	6.3	E	S	B	20AC	0	RL	65	P2	50	Diode #1		
6AK3	EM	T	45	020	30	6.3	E	S	B	20AC	0	RL	90	P2	50	Diode #2		
6AK3	EM	T	45	010	70	6.3	E	S	A	20AC	0	RL	90	P2	50	Diode #3		
6AN8	GM	T	45	867	91	6.3	D	H	B	200	CCW	150	RL	88	P4	65	Pentode Sec.	
6AN8	GM	T	45	210	36	6.3	0	G	O	200	6.0	RL	52	P4	65	Triode Sec.		
6AQ8	GM	T	45	760	88	6.3	E	N	O	100	1.0	RL	50	P4	65	Triode #1		
6AQ8	GM	T	45	210	39	6.3	E	N	O	100	1.0	RL	50	P4	65	Triode #2		
6AR8	GM	T	45	603	72	6.3	E	G	O	250	CCW	250	RL	63	P4	65	Plate #1	
6AR8	GM	T	45	683	71	6.3	E	G	O	250	CCW	250	RL	63	P4	65	Plate #2	
6AS8	GM	T	45	291	37	6.3	D	H	B	200	CCW	150	RL	88	P4	65	Pentode Sec.	
6AS8	EM	T	45	060	80	6.3	E	S	B	20AC	0	RL	118	P2	50	Diode Sec.		
6AT8	GM	T	45	967	38	6.3	D	J	C	250	CCW	150	RL	42	P4	65	Pentode Sec.	
6AT8	GM	T	45	120	30	6.3	B	N	B	100	CCW	RL	89	P4	65	Triode Sec.		
6AU7	GM	T	45	760	80	6.3	0	G	O	250	5.5	RL	73	P4	65	Triode #1		
6AU7	GM	T	45	210	30	6.3	0	G	O	250	5.5	RL	73	P4	65	Triode #2		
6AU8	GM	T	45	798	60	6.3	B	L	B	100	CCW	125	RL	79	P4	65	Pentode Sec.	
6AU8	GM	T	45	230	10	6.3	C	L	O	150	CCW	RL	43	P4	65	Triode Sec.		
6AW7	GM	T	78	260	10	6.3	0	N	D	150	1.9	RL	100	P4	65	Triode Sec.		
6AW7	EM	T	78	230	50	6.3	S	S	B	20AC	0	RL	22	P2	50	Diode #1		
6AW7	EM	T	78	240	10	6.3	S	S	B	20AC	0	RL	22	P2	50	Diode #2		

Tube type	Test function	Factors (L to R)	Range			Meter setting			Press to test	Notes	
			Flament	Bias	PL SCR	GM. SIG	Plate	Res			Screen
6AW8	GM	45-786-60	6.3 D	H	B	B	200	CCW	150	RL 49	65 Pentode Sec.
6AW8	GM	45-230-10	6.3 S	H	O	O	200	2.0		RL 49	65 Triode Sec.
6AX7	GM	45-760-80	6.3 F	S	G	O	225	2.0		RL 100	65 Triode #1
6AX7	GM	45-210-30	6.3 F	S	G	O	225	2.0		RL 100	65 Triode #2
6AX8	GM	45-263-70	6.3 B	J	O	O	250	CCW	185	RL 38	65 Pentode Sec.
6AX8	GM	45-910-80	6.3 A	M	B	B	150	CCW		RL 50	65 Triode Sec.
6AZ5	EM	36-080-74	6.3 S	S	A	A	20 AC	0		RL 85	50 Diode #2
6AZ5	EM	36-010-24	6.3 S	S	A	A	20 AC	0		RL 21	50 Diode #1
6AZ6	EM	36-020-48	6.3 S	S	B	B	20 AC	0		RL 21	50 Diode #2
6AZ6	EM	36-070-58	6.3 S	S	B	B	20 AC	0		RL 21	50 Diode #1
6AZ8	GM	45-612-30	6.3 D	H	B	B	200	CCW	150	RL 88	65 Pentode Sec.
6AZ8	GM	45-980-70	6.3 I	O	O	O	200	6.0		3L 52	65 Triode Sec.
6BA5	GM	36-152-80	6.3 E	N	O	O	100	CCW	100	RL 51	65 Pentode Sec.
6BA8	GM	45-768-60	6.3 D	H	B	B	200	CCW	150	RL 53	65 Triode Sec.
6BA8	GM	45-230-10	6.3 I	O	O	O	200	8.0		RL 40	65
6BC4	GM	45-210-60	6.3 B	K	B	B	150	CCW		RL 28	65 Triode #1
6BC8	GM	45-760-89	6.3 D	G	O	O	150	CCW		RL 28	65 Triode #2
6BC8	GM	45-210-39	6.3 D	G	O	O	150	CCW		RL 28	65
6BE7	EM	45-716-82	6.3 S	N	O	O	170	2.0	70	RL 91	65 Pentode Sec.
6BE8	GM	45-967-83	6.3 A	I	B	B	250	CCW	135	RL 92	65 Triode Sec.
6BE8	GM	45-120-30	6.3 A	M	B	B	150	CCW		RL 43	65 Triode #1
6BG7	GM	36-780-50	6.3 B	N	O	O	100	CCW		RL 41	65 Triode #2
6BG7	GM	36-210-46	6.3 B	N	O	O	100	CCW		RL 41	65
6BH8	GM	45-788-60	6.3 A	L	B	B	200	CCW	125	RL 60	65 Pentode Sec.
6BH8	GM	45-230-10	6.3 I	M	O	O	150	5.0		RL 58	65 Triode Sec.
6B17	EM	45-080-93	6.3 S	S	A	A	20 AC	0		RL 13	50 Diode #1
6B17	EM	45-060-73	6.3 S	S	A	A	20 AC	0		RL 53	50 Diode #2

6B7J	EM	T	45 020 73	6.3	S	A	20AC	0	BL	53	P2	60	Diode #2.
6B7K	GM	T	45 870 90	6.3	10	G O	250	9.0	RL	55	P4	61	Triode Sec.
6B7L	EM	T	45 060 30	6.3	S	A	20AC	0	RL	58	P2	50	Diode #1.
6B7M	EM	T	45 010 20	6.3	S	A	20AC	0	RL	85	P2	50	Diode #2.
6B7N	GM	T	45 367 20	6.3	10	N B	100	6.0	RL	70	P4	64	Pentode Sec.
6B7P	GM	T	45 190 80	6.3	S	N C	100	0	RL	77	P4	64	Triode Sec.
6B7Q	GM	T	34 250 10	6.3	D	G B	150	CCW	RL	70	P4	63	Triode Sec.
6B7R	GM	T	45 870 90	6.3	S	G O	100	1.0	RL	52	P4	50	Diode #1.
6B7S	EM	T	45 060 30	6.3	S	A	20AC	0	RL	45	P2	50	Diode #2.
6B7T	ER	T	45 197 20	6.3	S	A	200	0	RL	0	P4		Eye Open.
6B7U	ER	T	45 190 27	6.3	S	G F	200	0	RL	0	P4		Eye Closed.
6B7V	GM	T	45 967 80	6.3	A	J B	150	CCW	RL	93	P4	65	Pentode Sec.
6B7W	GM	T	45 120 30	6.3	A	M B	150	CCW	RL	43	P4	55	Triode Sec.
6B7X	GM	T	45 178 39	6.3	S	M D	210	3.0	RL	78	P4	65	Triode #1.
6B7Y	GM	T	45 760 80	6.3	D	G B	150	CCW	RL	64	P4	65	Triode #2.
6B7Z	GM	T	45 210 30	6.3	D	G B	150	CCW	RL	64	P4	65	Pentode Sec.
6B7A	EM	T	45 867 90	6.3	C	H B	200	CCW	RL	77	P4	50	Diode #1.
6B7B	EM	T	45 010 30	6.3	S	S B	20AC	0	RL	28	P2	50	Diode #2.
6B7C	EM	T	45 020 30	6.3	S	S B	20AC	0	RL	28	P2	50	Diode #2.
6B7D	GM	T	45 782 19	6.3	S	L D	150	1.0	RL	66	P4	65	Pentode #1.
6B7E	GM	T	45 732 16	6.3	S	L D	150	1.0	RL	66	P4	65	Pentode #2.
6B7F	GM	T	45 220 16	6.3	S	G B	200	CCW	RL	87	P4	65	Triode Sec.
6B7G	EM	T	45 080 20	6.3	S	S B	20AC	0	RL	19	P2	50	Diode #1.
6B7H	EM	T	45 060 80	6.3	S	S B	20AC	0	RL	19	P2	50	Diode #2.
6B7I	GM	T	45 068 70	6.3	A	J B	250	CCW	RL	94	P4	65	Pentode Sec.
6B7J	EM	T	45 030 21	6.3	S	S A	20AC	0	RL	90	P2	50	Diode #1.
6B7K	EM	T	45 010 23	6.3	S	S A	20AC	0	RL	90	P2	50	Diode #2.
6B7L	GM	T	45 278 10	6.3	S	K B	170	2.0	RL	74	P4	65	Triode #1.
6B7M	GM	T	45 760 80	6.3	S	P B	65	1.5	RL	98	P4	65	Triode #2.
6B7N	GM	T	45 210 30	6.3	S	P O	65	1.5	RL	98	P4	65	Triode #2.
6B7P	GM	T	34 165 27	6.3	S	P O	100	2.0	RL	63	P4	65	Triode #2.
6B7Q	GM	T	45 278 19	6.3	S	M B	225	1.0	RL	85	P4	65	Triode #2.
6B7R	GM	T	45 178 92	6.3	C	N C	100	CCW	RL	40	P4	65	Pentode Sec.
6B7S	EM	T	45 060 30	6.3	S	A	20AC	0	RL	95	P2	60	Diode Sec.
6B7T	GM	T	34 166 77	6.3	D	H B	300	CCW	RL	150	P4	65	Diode Sec.

Tube type	Test Function	Selectors (L to R)	Range				Meter setting				Press to test	Minimum limit	Notes
			Flament	Bias	PL, SCR	GM, SIG	Plate	Bias	Screen	BIG, VR			
6BZ3	GM	45 760 80	4.3 B	125 CCW	B	RL	42	P4	65	Triode #1.			
6BZ9	GM	45 760 30	4.3 B	125 CCW	B	RL	42	P4	65	Triode #2.			
6CL3	GM	34 276 10	4.3 10	4.5 125	B	RL	45	P4	65				
6CA7	GM	77 634 81	4.3 50	13.5 250	B	RL	30	P4	65				
6CB5	GM	77 4A1 30	4.3 50	175 30.0 175	B	RL	52	P4	65				
6CE5	GM	34 156 20	4.3 D	200 CCW	B	RL	88	P4	65				
6CF6	GM	34 156 27	4.3 D	200 CCW	B	RL	88	P4	65				
6CO8	GM	45 967 80	4.3 D	250 CCW	B	RL	42	P4	65	Pentode Sec.			
6CO8	GM	45 120 30	4.3 B	100 CCW	B	RL	89	P4	65	Triode Sec.			
6CH7	GM	45 760 80	4.3 D	150 CCW	B	RL	76	P4	65	Triode #1.			
6CH7	GM	45 210 30	4.3 D	160 CCW	B	RL	76	P4	65	Triode #2.			
6CH8	GM	45 723 60	4.3 D	200 CCW	B	RL	88	P4	65	Pentode Sec.			
6CH8	GM	45 890 10	4.3 10	200	O	RL	52	P4	65	Triode Sec.			
6CK4	GM	72 150 80	4.3 50	250	O	RL	33	P4	65				
6CL5	GM	72 3A1 60	4.3 50	175 40.0 175	B	RL	77	P4	65	Tetrode Sec.			
6CL8	GM	45 967 80	4.3 5	150 1.0 125	B	RL	88	P4	65	Triode Sec.			
6CL8	GM	45 120 30	4.3 A	125 CCW	B	RL	54	P4	65	Triode Sec.			
6CM6	GM	45 301 70	4.3 10	30 8.5 180	O	RL	54	P4	65				
6CM7	GM	45 760 80	4.3 10	200 7.0	O	RL	72	P4	65	Triode #1.			
6CM7	GM	45 810 90	4.3 10	250 8.0	O	RL	36	P4	65	Triode #2.			
6CM8	GM	45 267 30	4.3 D	200 CCW	B	RL	88	P4	65	Pentode Sec.			
6CM8	GM	45 910 80	4.3 5	250 2.0	O	RL	83	P4	65	Triode Sec.			
6CN6	GM	72 5A 401	4.3 10	250 7.0 250	B	RL	22	P4	65	Triode Sec.			
6CN7	GM	45 780 80	4.3 5	250 3.0	O	RL	73	P4	65	Diode #1.			
6CN7	EM	45 020 30	4.3 5	20AC	A	RL	64	P2	60	Diode #2.			
6CN7	EM	45 010 30	4.3 5	20AC	A	RL	64	P2	60	Diode #2.			
6CQ8	GM	45 263 70	4.3 5	150 1 125	B	RL	83	P4	65	Tetrode Sec.			

6CQ8	GM	T	45 910 80	6.3	A	K	B	125	CCW	RL	85	P4	65	Triode Sec.
6CR6	GM	T	34 755 10	6.3	E	M	O	200	2.0 100	RL	86	P4	65	Pentode Sec.
6CR6	EM	T	34 020 10	6.3	S	B	O	20 A C	0	RL	65	P2	60	Diode Sec.
6CS6	GM	T	34 165 27	6.3	S	N	O	80	1.0 80	RL	53	P4	65	
6CS7	GM	T	45 760 80	6.3	50	G	O	250	8.5	RL	78	P4	65	Triode #1.
6CU6	GM	T	45 310 90	6.3	50	G	B	250	10.5	RL	92	P4	65	Triode #2.
6CU6	GM	T	34 276 10	6.3	50	K	B	120	8.0 110	RL	64	P4	65	
6CU8	GM	T	27 544 80	6.3	50	J	B	250	22.5 150	RL	95	P4	65	
6CU8	GM	T	45 723 60	6.3	D	H	B	200	CCW 150	RL	88	P4	65	Pentode Sec.
6CW5	GM	T	45 800 10	6.3	10	G	O	200	6.0	RL	52	P4	65	Triode Sec.
6CX3	GM	T	45 279 30	6.3	50	K	B	170	12.0 170	RL	85	P4	65	
6CX3	GM	T	45 798 60	6.3	A	J	B	200	CCW 125	RL	38	P4	65	Pentode Sec.
6CY7	GM	T	45 230 10	6.3	C	L	O	150	CCW	RL	41	P4	65	Triode Sec.
6CY7	GM	T	45 760 80	6.3	S	J	D	225	3.0	RL	74	P4	65	Triode #1.
6CZ5	GM	T	45 210 90	6.3	E	N	B	90	CCW	RL	94	P4	65	Triode #2.
6DA6	GM	T	45 391 70	6.3	50	G	O	250	14.0 250	RL	39	P4	65	
6DA7	GM	T	45 278 39	6.3	S	M	O	225	2.0 100	RL	62	P4	65	
6DA7	GM	T	45 760 80	6.3	10	J	O	225	8.0	RL	74	P4	65	Triode #1.
6DB5	GM	T	45 310 90	6.3	10	K	B	150	17.5	RL	92	P4	65	Triode #2.
6DB6	GM	T	45 391 70	6.3	10	N	B	110	7.5 110	RL	65	P4	65	
6DE6	GM	T	34 156 27	6.3	S	K	O	150	1.5 150	RL	55	P4	65	
6DE7	GM	T	34 156 27	6.3	D	H	B	200	CCW 150	RL	88	P4	65	
6DE7	GM	T	45 760 80	6.3	50	J	O	225	12.0	RL	88	P4	65	Triode #1.
6DE7	GM	T	45 210 90	6.3	50	K	B	150	26.0	RL	76	P4	65	Triode #2.
6DG6	GM	T	27 534 80	6.3	10	N	B	110	7.5 110	RL	60	P4	65	
6DK6	GM	T	34 156 27	6.3	A	K	B	125	CCW 125	RL	48	P4	65	
6DJ8	GM	T	45 760 80	6.3	S	N	B	90	1.3	RL	27	P4	65	Triode #1.
6DJ8	GM	T	45 210 30	6.3	S	N	B	90	1.3	RL	27	P4	65	Triode #2.
6DN6	GM	T	27 548 30	6.3	50	K	B	125	18.0 125	RL	46	P4	65	
6DN7	GM	T	78 450 60	6.3	10	J	O	250	8.0	RL	73	P4	65	Triode #1.
6DN7	GM	T	78 120 30	6.3	10	J	B	250	9.5	RL	50	P4	65	Triode #2.
6DQ5	GM	T	72 114 30	6.3	50	J	B	200	22.0 125	RL	28	P4	65	
6DQ5	GM	T	27 544 80	6.3	50	J	B	250	25.5 150	RL	87	P4	65	
6DR7	GM	T	64 760 80	6.3	S	J	D	250	3.0	RL	66	P4	65	Triode #1.
6DR7	GM	T	84 210 90	6.3	50	M	O	150	17.5	RL	52	P4	65	Triode #2.
6DS5	GM	T	34 156 20	6.3	10	G	B	200	7.5 200	RL	84	P4	65	

Tube type	Test Function	Selectors (L to R)	Range			Meter setting				Press to test	Minimum limit	Notes
			Bias	PL. BOR	GM. SIG	Plate	Bias	Screen	SIG. VR				Shunt
6DT5	GM	45 391 70	6.3	50	C	250	16.5	RL	47	P4	65	
6DT6	GM	34 156 27	6.3	L	C	150	CCW	RL	87	P4	65	Triode #1.
6DT8	GM	45 760 89	6.3	T	C	250	2.0	RL	35	P4	65	Triode #2.
6DW5	GM	45 710 39	6.3	J	C	200	2.0	RL	30	P4	60	
6EAB	GM	45 391 70	6.3	H	C	200	22.5	RL	30	P4	65	Pentode Sec.
6EAB	GM	45 283 70	6.3	K	B	150	1.0	RL	80	P4	65	Triode Sec.
6EAB	GM	45 710 39	6.3	R	B	150	1.0	RL	50	P4	65	Pentode Sec.
6EB8	GM	45 240 70	6.3	J	B	200	CCW	RL	38	P4	65	Triode Sec.
6EH5	GM	45 276 70	6.3	K	C	250	2.0	RL	49	P4	65	Pentode Sec.
6EH8	GM	45 766 89	6.3	K	B	150	1.0	RL	40	P4	65	Triode Sec.
6EM5	GM	45 391 70	6.3	M	C	250	18.0	RL	37	P4	65	Pentode Sec.
6ES8	GM	45 760 89	6.3	D	C	250	1.0	RL	45	P4	65	Triode #1.
6ES8	GM	45 210 30	6.3	N	B	250	1.0	RL	45	P4	65	Triode #2.
6EW6	GM	45 350 57	6.3	D	B	200	CCW	RL	41	P4	65	Eye Open.
6G6	EM	45 540 30	6.3	D	B	200	0.25	RL	0	P4	65	Eye Closed.
6G6	EM	45 760 89	6.3	Q	B	200	0.25	RL	24	P4	65	Pentode Sec.
6NR	GM	45 271 39	6.3	M	C	200	2.0	RL	80	P2	50	Diode #1.
6NR	GM	45 271 39	6.3	S	B	200	1.0	RL	40	P2	50	Diode #2.
6NR	GM	45 150 30	6.3	B	C	200	0.0	RL	19	P4	65	Triode Sec.
6NR	GM	45 360 72	6.3	B	C	250	2.0	RL	83	P2	50	Diode #1.
6RB	GM	45 610 78	6.3	D	C	200	0.0	RL	100	P2	50	Diode #2.
6RB	GM	45 610 78	6.3	A	A	200	0.0	RL	100	P2	50	Diode #3.
6RB	GM	45 610 78	6.3	A	A	200	0.0	RL	100	P2	50	Triode Sec.
6RS	GM	45 610 78	6.3	A	A	250	0.0	RL	86	P4	65	

658	EM	T	78	030	50	6.3	5	B	B	20	AC	0	RL	50	P2	50	Diode #1.
658	EM	T	73	040	20	6.3	5	B	B	20	AC	0	RL	50	P2	50	Diode #2.
658	EM	T	78	010	20	6.3	5	B	B	20	AC	0	RL	50	P2	50	Diode #3.
7AD7	GM	T	18	623	74	6.3	5	J	B	250		3.0	150	43	P4	65	
7AG7	GM	T	18	623	74	6.3	5	N	O	100		1.0	100	85	P4	65	
7AH7	GM	T	18	623	74	6.3	5	N	O	250		2.0	250	61	P4	65	
7AJ7	GM	T	18	623	74	6.3	5	N	O	100		1.0	100	86	P4	65	
7AU7	GM	T	45	760	80	7.5	10	G	O	250		8.5		75	P4	65	Triode #1 } Adj. Fil.
7AU7	GM	T	45	210	30	7.5	10	G	O	250		8.5		75	P4	65	Triode #2 } to 7.0.
7EY6	GM	T	72	534	80	7.5	60	G	O	250		17.5	250	47	P4	65	Adj. Fil. to 7.2
8AU8	GM	T	45	798	60	7.5	B	L	B	200	CCW	125	RL	79	P4	65	Pentode Sec. } Adj. Fil.
8AU8	GM	T	45	230	10	7.5	C	L	O	150	CCW		RL	43	P4	65	Triode Sec. } to 8.4.
8AW8	GM	T	45	798	60	7.5	D	H	B	200	CCW	150	RL	49	P4	65	Pentode Sec. } Adj. Fil.
8AW8	GM	T	45	230	10	7.5	5	H	O	200	2.0		RL	49	P4	65	Triode Sec. } to 8.4.
8B8A	GM	T	45	798	60	7.5	D	H	B	200	CCW	150	RL	51	P4	65	Pentode Sec. } Adj. Fil.
8B8A	GM	T	45	230	10	7.5	A	L	B	200	8.0		RL	58	P4	65	Triode Sec. } to 8.4.
8BH8	GM	T	45	798	60	7.5	A	L	B	200	CCW	125	RL	60	P4	65	Pentode Sec. } Adj. Fil.
8BH8	GM	T	45	230	10	7.5	5	M	O	150	6.0		RL	58	P4	65	Triode Sec. } to 8.4.
8BN8	GM	T	45	870	90	7.5	5	G	O	100	1.0		RL	52	P4	65	Pentode Sec. } Adj. Fil.
8BN8	EM	T	45	060	30	7.5	5	G	O	20	AC	0	RL	45	P2	50	Triode Sec. } to 8.4.
8BN8	EM	T	45	010	20	7.5	5	S	A	20	AC	0	RL	45	P2	50	Diode #1 } to 8.4.
8BQ5	GM	T	45	279	30	7.5	10	G	B	250		7.2	250	48	P4	65	Diode #2 } to 8.0.
8CG7	GM	T	45	760	89	7.5	10	G	O	250		8.0		78	P4	65	Adjust. Fil. to 8.0.
8CG7	GM	T	45	210	39	7.5	10	G	O	250		8.0		75	P4	65	Triode #1 } Adj. Fil.
8CM7	GM	T	45	760	30	7.5	10	G	O	200		7.0		72	P4	65	Triode #2 } to 8.4.
8CM7	GM	T	45	810	90	7.5	10	G	O	250		8.0		36	P4	65	Triode #1 } Adj. Fil.
8CN7	GM	T	45	760	60	7.5	5	G	O	250		3.0		73	P4	65	Triode #2 } to 8.4.
8CN7	EM	T	45	020	30	7.5	5	S	A	20	AC	0	RL	64	P2	50	Triode Sec. } Adj. Fil.
8CN7	EM	T	45	010	30	7.5	5	S	A	20	AC	0	RL	64	P2	50	Diode #1 } to 8.4.
8CS7	GM	T	45	760	80	7.5	50	G	O	250		8.5		78	P4	65	Diode #2
8CS7	GM	T	45	310	90	7.5	50	G	O	250		10.5		92	P4	65	Triode #1 } Adj. Fil.
8CX8	GM	T	45	798	60	7.5	A	J	B	200	CCW	125	RL	38	P4	65	Triode #2 } to 8.4.
8OX8	GM	T	45	230	10	7.5	C	L	O	150	CCW		RL	41	P4	65	Pentode Sec. } Adj. Fil.
8CY7	GM	T	45	760	80	7.5	5	J	D	225	3.0		RL	74	P4	65	Triode Sec. } to 8.0.
8CY7	GM	T	45	210	90	7.5	5	N	B	90	CCW		RL	94	P4	65	Triode #1 } Adj. Fil.
8CY7	GM	T	45	210	90	7.5	5	N	B	90	CCW		RL	94	P4	65	Triode #2 } to 7.9.

Tube type	Test Function	Selectors (L to R)	Range			Meter setting				Press to test	Minimum limit	Notes	
			Filament	Bias	PL SCR	GM SIG	Plate	Bias	Screen				SIO VR
8E38	GM T	45 798 60	7.5	B	J	B	200	CCW	125	RL	30	P4	Pentode Sec. | Adj. Fil. to 8.0.
8E38	GM T	45 230 10	7.5	S	J	C	250	2.0	.....	RL	56	P4	Triode Sec. | to 8.0.
8EM5	GM T	54 391 70	7.5	50	G	O	250	18.0	250	RL	37	P4	Adj. Fil. to 8.0.
8SN7	GM T	78 450 60	7.5	10	G	O	250	8.0	.....	RL	75	P4	Triode #1 | Adj. Fil. to 8.4.
8SN7	GM T	78 120 30	7.5	10	G	O	250	8.0	.....	RL	75	P4	Triode #1 | Adj. Fil. to 8.4.
9AU7	GM T	45 760 80	10	10	G	O	250	8.5	.....	RL	75	P4	Triode #1 | Adj. Fil. to 9.4.
9AU7	GM T	45 210 30	10	10	G	O	250	8.5	.....	RL	75	P4	Triode #2 | to 9.4.
9CL8	GM T	45 967 80	10	5	G	B	150	1.0	125	RL	88	P4	Tetrode Sec. | Adj. Fil. to 9.5.
9CL8	GM T	45 120 30	10	A	K	B	125	CCW	.....	RL	54	P4	Triode Sec. | to 9.5.
9DZ8	GM T	45 367 20	10	D	K	B	145	CCW	120	RL	60	P4	Pentode Sec. | Adj. Fil. to 9.0.
9DZ8	GM T	45 190 80	10	5	K	D	120	1.9	.....	RL	70	P4	Triode Sec. | to 9.0.
9U8	GM T	45 263 70	10	A	J	B	250	CCW	135	RL	95	P4	Pentode Sec. | Adj. Fil. to 9.45.
9U8	GM T	45 910 80	10	A	G	B	150	CCW	.....	RL	53	P4	Triode Sec. | Adj. Fil. to 9.45.
9XE	GM T	45 798 61	10	D	J	O	250	CCW	150	RL	42	P4	Pentode Sec. | Adj. Fil. to 9.5.
9X8	GM T	45 230 60	10	B	N	B	100	CCW	.....	RL	89	P4	Triode Sec. | to 9.5.
10C8	GM T	45 867 90	10	B	G	B	135	CCW	135	RL	45	P4	Triode Sec. | Adj. Fil. to 10.5.
10C8	GM T	45 210 30	10	E	G	O	250	CCW	.....	RL	95	P4	Triode #1.
10DA7	GM T	45 760 80	10	10	J	O	225	8.0	.....	RL	74	P4	Triode #2.
10DA7	GM T	45 310 90	10	10	K	B	150	17.5	.....	RL	92	P4	Triode #1.
10DE7	GM T	45 760 80	10	50	J	O	225	12.0	.....	RL	88	P4	Triode #2.
10DF7	GM T	45 210 90	10	50	K	B	150	24.0	.....	RL	76	P4	Triode #1.
11C5	GM T	34 576 10	10	50	K	B	135	8.2	120	RL	70	P4	Triode #2.
11CY7	GM T	45 760 80	10	5	J	D	225	3.0	.....	RL	94	P4	Adj. Fil. to 11.6.
11CY7	GM T	45 210 90	10	E	N	B	90	CCW	.....	RL	74	P4	Triode #1 | Adj. Fil. to 11.0.
12AB5	GM T	45 391 70	12.6	10	K	O	180	8.5	180	RL	54	P4	Triode #2 | to 11.0.
12AC6	EM T	34 256 71	12.6	5	S	B	20 AC	0	.....	RL	81	P2, P3	
12AD6	EM T	34 756 24	12.6	5	S	B	30 AC	0	.....	RL	45	P2, P3	

12AD7	GM	T	45 760 80	12.6	5	G	O	250	2.0	RL	92	P4	65	Triode #1.
12AD7	GM	T	45 210 30	12.6	5	G	O	250	2.0	RL	92	P4	65	Triode #2.
12AF6	EM	T	34 070 21	12.6	5	S	O	20 AC	0	RL	44	P2	65	Triode Sec.
12AF6	EM	T	34 060 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	45 060 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	34 258 71	12.6	5	S	B	20 AC	0	RL	58	P2, P3	65	
12AG6	EM	T	34 758 21	12.6	5	S	B	20 AC	0	RL	47	P2, P3	65	
12AJ6	EM	T	34 070 21	12.6	5	S	O	20 AC	0	RL	63	P2	65	Triode Sec.
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.
12AL8	EM	T	45 312 70	12.6	5	S	A	20 AC	0	RL	85	P2, P3	65	Tetrode Sec.
12AL8	EM	T	45 860 90	12.6	5	S	B	20 AC	0	RL	25	P2, P3	65	Triode Sec.
12AQ5	GM	T	34 156 20	12.6	10	K	O	180	8.5 180	RL	54	P4	65	
12AS5	GM	T	34 276 10	12.6	10	L	O	150	8.3 110	RL	36	P4	65	
12AV6	GM	T	27 158 30	12.6	50	J	B	250	22.5 150	RL	95	P4	65	
12BD6	GM	T	34 156 72	12.6	5	N	O	100	1.0 160	RL	78	P4	65	
12BK5	GM	T	45 318 60	12.6	10	G	B	250	3.0 250	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	34 276 16	12.6	5	N	D	75	2.0	RL	83	P4	65	
12BQ6	GM	T	27 5A4 80	12.6	50	J	B	250	22.5 150	RL	95	P4	65	
12BR7	GM	T	45 210 30	12.6	D	G	B	250	CCW	RL	95	P4	65	Triode Sec.
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	CCW 150	RL	25	P4	65	
12BZ7	GM	T	45 760 80	12.6	5	G	O	250	2.0	RL	58	P4	65	Triode #1.
12BZ7	GM	T	45 210 30	12.6	5	G	O	250	2.0	RL	58	P4	65	Triode #2.
12C5	GM	T	34 276 10	12.6	10	N	B	100	6.0 100	RL	61	P4	65	
12CA5	GM	T	34 276 10	12.6	10	K	B	125	4.5 125	RL	45	P4	65	
12CM6	GM	T	45 391 70	12.6	10	K	O	100	8.5 180	RL	54	P4	65	
12CN5	EM	T	34 670 12	12.6	5	S	B	20 AC	0	RL	32	P2	65	
12CR6	GM	T	34 756 10	12.6	5	G	O	200	2.0 100	RL	86	P4	65	Pentode Sec.
12CR6	EM	T	34 020 10	12.6	5	N	O	20 AC	0	RL	65	P2	60	Diode Sec.
12CS6	GM	T	34 165 27	12.6	5	N	O	80	1.0 80	RL	53	P4	65	
12CT8	GM	T	45 867 90	12.6	B	L	B	200	CCW 130	RL	68	P4	65	Pentode Sec.

Tube type	Test Function	Selectors (L to R)	Range			Meter setting				Shunt	Press to test	Minimum limit	Notes
			Flament	Bias	PL, SCR	GM, SIG	Plate	Bias	Screen					SIG, VR
12CT8	GM	T	12.6 C	O	L	O	150	CCW	RL	40	P4	65	Triode Sec.
12CU5	GM	T	12.6 50	K	B	B	120	8.0 110	RL	64	P4	65	
12OU6	GM	T	12.6 50	J	B	B	250	22.5 150	RL	95	P4	65	
12CX6	EM	T	12.6 5 S	S	F	F	20 AC	0	RL	20	P2, P3	65	
12DB5	EM	T	12.6 10	N	B	B	110	7.5 110	RL	65	P4	65	Pentode Sec.
12DE8	EM	T	12.6 5 S	S	F	F	20 AC	0	RL	22	P2, P3	65	Diode Sec.
12DE8	EM	T	12.6 5 S	S	F	F	20 AC	0	RL	20	P2	65	Triode #1.
12DF7	GM	T	12.6 5 J	D	D	D	250	2.0	RL	50	P4	65	Triode #2.
12DF7	GM	T	12.6 5 J	D	D	D	20 AC	0	RL	18	P2, P3	65	Tetrode Sec.
12DK7	EM	T	12.6 5 S	S	F	F	20 AC	0	RL	60	P2	50	Diode #1.
12DK7	EM	T	12.6 5 S	S	F	F	20 AC	0	RL	60	P2	50	Diode #2.
12DL8	EM	T	12.6 5 S	S	F	F	20 AC	0	RL	17	P2, P3	65	Tetrode Sec.
12DL8	EM	T	12.6 5 S	S	F	F	20 AC	0	RL	46	P2	50	Diode #1.
12DL8	EM	T	12.6 5 S	S	F	F	20 AC	0	RL	46	P2	50	Diode #2.
12DM5	GM	T	12.6 10	N	B	B	100	6.0 100	RL	61	P4	65	
12DQ6	GM	T	12.6 50	J	B	B	250	22.5 150	RL	87	P4	65	
12DQ7	GM	T	12.6 A	J	B	B	200	CCW 125	RL	38	P4	65	
12DT5	GM	T	12.6 50	O	O	O	250	16.5 250	RL	47	P4	65	Triode #1.
12DT8	GM	T	12.6 5 J	O	O	O	250	2.0	RL	35	P4	65	Triode #2.
12DT8	GM	T	12.6 5 J	O	O	O	250	2.0	RL	35	P4	65	Tetrode Sec.
12DU7	EM	T	12.6 5 S	A	A	A	20 AC	0	RL	59	P2, P3	65	Make no gas test.
12DU7	EM	T	12.6 5 S	B	B	B	20 AC	0	RL	76	P2	40	Diode #1.
12DU7	EM	T	12.6 5 S	B	B	B	20 AC	0	RL	76	P2	40	Diode #2.
12DV7	EM	T	12.6 5 S	O	O	O	20 AC	0	RL	48	P2	65	Triode Sec.
12DV7	EM	T	12.6 5 S	O	O	O	20 AC	0	RL	48	P2	65	Make no gas test.

12DV7	EM	T	54	030	10	12.6	5	S	B	20	AC	0	-----	RL	76	P2	40	Diode #1.
12DV7	EM	T	54	020	10	12.6	5	S	B	20	AC	0	-----	RL	76	P2	40	Diode #2.
12DV8	EM	T	45	763	20	12.6	5	S	A	20	AC	0	-----	RL	85	P2, P3	65	Tetrode Sec.
12DV8	EM	T	45	090	80	12.6	5	S	B	20	AC	0	-----	RL	60	P2	50	Diode #1.
12DV8	EM	T	45	010	80	12.6	5	S	B	20	AC	0	-----	RL	60	P2	50	Diode #2.
12DWS	GM	T	45	391	70	12.6	50	H	C	210		22.5	150	RL	30	P4	60	
12DY8	EM	T	45	163	20	12.6	5	S	A	20	AC	0	-----	RL	85	P2, P3	65	Tetrode Sec.
12DY8	EM	T	45	980	70	12.6	5	S	A	20	AC	0	-----	RL	88	P2, P3	65	Triode Sec.
12DZ6	EM	T	45	156	72	12.6	5	S	C	20	AC	0	-----	RL	96	P2, P3	65	
12DZ8	GM	T	45	367	20	12.6	D	K	B	145	CCW	120		RL	60	P4	65	Pentode Sec.
12DZ8	GM	T	45	190	80	12.6	5	K	D	120		1.9	-----	RL	70	P4	65	Triode Sec.
12EA6	EM	T	43	156	72	12.6	5	S	A	20	AC	0	-----	RL	80	P2, P3	65	
12EA6	EM	T	45	967	80	12.6	5	S	A	20	AC	0	-----	RL	80	P2, P3	65	Pentode Sec.
12EC8	EM	T	45	102	30	12.6	5	S	A	20	AC	0	-----	RL	80	P2, P3	65	Triode Sec.
12EG6	EM	T	34	756	21	12.6	5	S	F	20	AC	0	-----	RL	32	P2, P3	65	
12EH5	GM	T	34	276	10	12.6	10	K	B	115		4.8	110	RL	49	P4	65	
12EK6	EM	T	43	156	72	12.6	5	S	A	20	AC	0	-----	RL	80	P2, P3	65	
12EL6	EM	T	43	020	71	12.6	5	S	F	20	AC	0	-----	RL	90	P2	40	Triode Sec.
12EL6	EM	T	45	060	70	12.6	5	S	F	20	AC	0	-----	RL	57	P2	65	Diode #1.
12EL6	EM	T	43	050	70	12.6	5	S	F	20	AC	0	-----	RL	57	P2	65	Diode #2.
12EM6	EM	T	45	165	20	12.6	5	S	F	20	AC	0	-----	RL	18	P2, P3	65	Tetrode Sec.
12EM6	EM	T	45	090	80	12.6	5	S	F	20	AC	0	-----	RL	60	P2	50	Diode Sec.
12EN6	GM	T	27	534	80	12.6	10	M	B	200		9.0	110	RL	75	P4	65	
12EZ6	EM	T	43	156	72	12.6	6	S	A	20	AC	0.7	-----	RL	80	P2, P3	65	Pentode Sec.
12F8	EM	T	45	239	78	12.6	5	S	B	20	AC	0	-----	RL	89	P2, P3	65	
12F8	EM	T	45	060	70	12.6	5	S	B	20	AC	0	-----	RL	61	P2	65	Diode #1.
12F8	EM	T	45	010	70	12.6	5	S	B	20	AC	0	-----	RL	61	P2	65	Diode #2.
12FM6	EM	T	34	070	21	12.6	6	S	B	20	AC	0	-----	RL	57	P2	65	Triode Sec.
12FM6	EM	T	34	060	20	12.6	6	S	B	20	AC	0	-----	RL	50	P2	40	Diode #1.
12FM6	EM	T	34	050	20	12.6	6	S	B	20	AC	0	-----	RL	50	P2	40	Diode #2.
12G4	GM	T	34	610	70	12.6	10	G	O	250		8.0	-----	RL	88	P4	65	
12G8	EM	T	45	060	78	12.6	6	S	B	20	AC	0	-----	RL	28	P2	65	Triode #1.
12G8	EM	T	45	010	23	12.6	6	S	B	20	AC	0	-----	RL	63	P2	65	Triode #2.

Make no gas test.

Tube type	Test Function	Selectors (L to R)	Range			Meter setting				Press to test	Minimum limit	Notes
			Filament	Bias	PL, SCR	GM, BIG	Plate	Bias	Screen				SIG. VR
12F8	T	45 080 70	12.6	5	8	A	20 AC	0	RL	P2	50	Diode #2.
12K6	EM	34 570 12	12.6	5	8	A	20 AC	0	RL	P2	65	
12L6	GM	27 534 80	12.6	C	J	B	200 CCW	125	RL	P4	65	
12R5	GM	34 276 10	12.6	10	N	D	100	6.5	RL	P4	65	
12S8	GM	78 B60 20	12.6	5	G	D	250	2.0	RL	P4	65	Triode Sec.
12S8	EM	78 090 50	12.6	5	S	B	20 AC	0	RL	P2	50	Diode #1.
12S8	EM	78 040 20	12.6	5	S	B	20 AC	0	RL	P2	50	Diode #2.
12S8	EM	78 010 20	12.6	5	S	B	20 AC	0	RL	P2	65	Triode #1.
12U7	EM	45 060 87	12.6	5	S	B	20 AC	0	RL	P2	65	Triode #2.
12U7	EM	45 010 32	12.6	5	S	B	20 AC	0	RL	P2	65	
12V6	GM	27 534 80	12.6	10	K	C	180	8.5	RL	P4	65	
12W6	GM	27 534 80	12.6	C	J	B	200 CCW	125	RL	P4	65	
13DE7	GM	45 760 80	12.6	50	J	O	225	12.0	RL	P4	65	Triode #1 | Adj. Fil.
13DE7	GM	45 210 90	12.6	50	K	C	150	26.0	RL	P4	65	Triode #2 | to 13.0.
14V7	GM	18 623 74	12.6	C	H	C	200	CCW	RL	P4	65	
14X7	EM	18 320 40	12.6	5	G	O	250	1.0	RL	P2	50	Triode Sec.
14X7	EM	18 050 40	12.6	5	S	B	20 AC	0	RL	P2	50	Diode #1.
14X7	EM	18 060 70	12.6	5	S	B	20 AC	0	RL	P2	50	Diode #2.
15A6	GM	45 271 36	14	5	K	B	180	2.9	RL	P4	65	Adj. Fil. to 15.0.
16A5	GM	45 279 30	20	50	K	B	170	10.4	RL	P4	65	Adj. Fil. to 16.5.
17AV6	GM	27 158 30	20	50	J	O	250	22.5	RL	P4	65	Adj. Fil. to 16.8.
17BQ6	GM	12 5A4 80	20	50	J	O	250	22.5	RL	P4	65	Adj. Fil. to 16.8.
17C5	GM	34 276 10	20	10	N	B	100	6.0	RL	P4	65	Adj. Fil. to 16.8.
17CA5	GM	34 276 10	20	10	K	B	125	4.5	RL	P4	65	Adj. Fil. to 16.8.
17DQ6	GM	27 5A4 80	20	50	J	B	250	22.5	RL	P4	65	Adj. Fil. to 16.8.
17L6	GM	27 534 80	20	C	J	B	200 CCW	125	RL	P4	65	Adj. Fil. to 16.8.
17R5	GM	34 276 10	20	10	N	B	100	6.5	RL	P4	65	Adj. Fil. to 16.8.

18A5	GM	T	27	158	30	20	J	O	200	17.0	125	RL	40	P4	65	Adj. Fil. to 18.5.	
18D2A	GM	T	45	367	20	D	K	E	145	COV	120	RL	60	P4	65	Pentode Sec. } Adj. Fil.	
18D2B	GM	T	45	190	80	5	K	D	120	1.9	-----	RL	70	P4	65	Triode Sec. } to 18.0.	
19AQ5	GM	T	34	158	20	10	K	O	180	8.5	180	RL	54	P4	65	Adj. Fil. to 18.9.	
19BG6	GM	T	27	5A8	30	50	O	O	250	22.0	250	RL	51	P4	65	Adj. Fil. to 18.9.	
19C3	GM	T	45	860	70	5	O	D	100	1.0	-----	RL	80	P4	65	Triode Sec. }	
19C8	KM	T	45	060	70	5	S	A	20	AC	0	RL	100	P2	65	Diode #1 } Adj. Fil.	
19C8	EM	T	45	020	30	5	S	A	20	AC	0	RL	100	P2	65	Diode #2 } to 18.9.	
19J6	EM	T	45	010	70	5	S	A	20	AC	0	RL	100	P2	65	Diode #3 }	
19J6	GM	T	34	610	75	20	B	N	100	COV	-----	RL	91	P4	65	Triode #1 } Adj. Fil.	
19J6	GM	T	34	620	76	20	B	N	100	COV	-----	RL	94	P4	65	Triode #2 } to 18.9.	
20	GM	T	14	320	00	3.0	60	M	E	135	22.5	RL	31	P4	65	Adj. Fil. to 3.3.	
21A6	GM	T	45	2A7	31	20	50	K	E	180	23.0	180	RL	70	P4	65	Adj. Fil. to 21.5.
25CA5	GM	T	34	276	10	26	10	N	B	100	6.0	100	RL	61	P4	65	Adj. Fil. to 25.0.
25CD6	GM	T	27	5A8	30	26	50	K	E	125	4.5	125	RL	45	P4	65	Adj. Fil. to 25.0.
25DN6	GM	T	27	5A8	30	26	50	J	B	175	30.0	175	RL	60	P4	65	Adj. Fil. to 25.0.
25DQ6	GM	T	27	5A4	80	26	50	J	B	250	22.5	150	RL	86	P4	65	Adj. Fil. to 25.0.
25EC6	GM	T	27	5A8	30	26	50	K	B	125	15.0	125	RL	45	P4	65	Adj. Fil. to 25.0.
25EH5	GM	T	27	5A8	30	26	50	K	B	135	22.5	135	RL	62	P4	65	Adj. Fil. to 25.0.
25F5	GM	T	34	276	10	26	10	N	B	115	4.8	110	RL	49	P4	65	Adj. Fil. to 25.0.
25W6	GM	T	27	534	80	26	C	J	B	110	7.5	110	RL	90	P4	65	Adj. Fil. to 25.0.
27S	GM	T	15	320	40	2.5	50	O	D	200	COV	125	RL	55	P4	65	Adj. Fil. to 25.0.
35	GM	T	15	B23	40	2.5	5	M	D	250	21.0	-----	RL	78	P4	65	Adj. Fil. to 25.0.
35OD6	GM	T	27	5A8	30	35	50	K	B	175	30.0	175	RL	60	P4	65	Adj. Fil. to 25.0.
35DZ3	GM	T	45	367	20	35	D	K	D	145	COV	120	RL	70	P4	65	Adj. Fil. to 25.0.
35S	GM	T	15	A23	40	2.5	5	K	D	120	1.9	-----	RL	60	P4	65	Pentode Sec.
50BK5	GM	T	45	318	60	50	50	G	B	180	3.0	90	RL	92	P4	65	Triode Sec.
50OD6	GM	T	27	5A8	30	50	50	K	B	250	6.0	250	RL	52	P4	65	
50EH5	GM	T	27	5A8	30	50	50	K	B	175	30.0	175	RL	60	P4	65	
HDS1	VR	VR	34	276	10	50	10	K	B	115	4.8	110	RL	49	P4	65	
51S18	VR	VR	00	001	70	OFF	5	G	F	30	MA	0	FS	25	P5	125	Max. D.M. -4.5.
K768	GM	T	15	B23	40	2.5	5	M	D	5	MA	0	FS	25	P5	165	Min. }
	GM	T	27	534	81	6.5	50	G	B	180	3.0	90	RL	92	P4	65	
			27	534	81	250	16.0	250	RL	83							

Tube type	Test function	Selectors (L to R)	Range		Meter setting			Press to test	Minimum limit	Notes
			Flament	Plate	Bias	Screen	Grid V _{g1}			
KT88	GM	27 534 81	6.3 50	GM SIG	250	25 0	250	61	63	
V90	GM	24 130 00	3.0 10	G	90	4.5	RL 54	64	65	Adj. FL to 3.3.
X90	GM	14 320 00	3.0 10	N E	90	1.5	RL 54	64	65	Adj. FL to 3.3.
112A	GM	14 320 00	5.0 50	O O	180	13.5	RL 93	93	65	Right cap=P
HY114	GM	27 5A000	1.5 5	O D	180	4.0	RL 75	75	65	Left cap=G
117M7	GM	27 435 80	117 10	N O	105	5.2	RL 39	39	65	Pentode Sec.
117M7	EM	27 060 10	117 5	A	20 AC	0	RL 83	83	50	Rect. Sec.
150B2	VR VR	00 001 20	OFF 5	G F	15 MA	0	F8 25	25	116	Max. Mar. Dlg. -4
150B2	VR VR	00 001 20	OFF 5	K F	5 MA	0	F8 25	25	107	Min.
X-155	GM T	45 760 89	6.3 5	B M	125 CCW	0	RL 62	62	65	Triode fl.
X-155	GM T	45 210 39	6.3 5	B M	125 CCW	0	RL 62	62	65	Triode fl.
GL502	TE VR	27 503 86	6.3 5	J F	125 CCW	0	F8 50	50	65	Triode fl.
CK502AX	GM T	35 412 00	1.1 5	Q E	45	1.88	RL 56	56	65	Bias Volts 4 Min. 2.8 Max
CK503AX	GM T	35 412 00	1.1 5	Q E	45	2.6	RL 56	56	65	Adj. FL to 1.25.
CK506AX	GM T	35 412 00	1.1 5	Q E	45	5.1	RL 46	46	65	Adj. FL to 1.25.
CK518AX	GM T	35 412 00	1.1 5	Q E	45	5.5	RL 51	51	65	Adj. FL to 1.25.
CK535AX	EM T	35 412 00	1.1 5	S B	20 AC	0	RL 28	28	65	Adj. FL to 1.25.
CK541DX	GM T	35 412 00	1.1 5	Q E	45	2.0	RL 90	90	65	Adj. FL to 1.25.
CK547DX	GM T	35 412 00	1.1 5	Q E	45	2.0	RL 91	91	65	Adj. FL to 1.25.
CK548DX	GM T	24 310 00	1.1 5	N D	90	3.0	RL 80	80	65	Adj. FL to 1.25.
CK572AX	GM T	24 310 00	1.1 5	N D	90	4.6	RL 86	86	65	Adj. FL to 1.25.
879	EM T	14 0A0 00	2.5 5	G A	130	0	RL 24	24	65	Near cap=G
951	GM T	14 B23 00	2.0 5	N E	75	3.0	RL 27	27	65	Far cap=P
E1149	GM T	27 BA0 80	6.3 10	O O	250	6.0	RL 80	80	65	Near cap=G
1201	GM T	28 130 40	6.3 5	O O	180	3.0	RL 61	61	65	Far cap=P

1203	EM	T	18 040 70	6.3	5 S	B	20 AC	0	RL	29	P2	50
1204	GM	T	27 531 40	6.3	5 M	D	225	2.0	RL	60	P4	65
1206	GM	T	18 573 62	6.3	5 M	O	225	2.5	RL	90	P4	65
1208	GM	T	18 423 67	6.3	5 M	O	225	2.5	RL	90	P4	65
1209	GM	T	14 B23 00	2.0	10 M	E	135	4.0	RL	30	P4	65
1230	GM	T	14 320 00	2.0	50 G	D	180	14.5	RL	67	P4	65
1232	GM	T	18 623 74	6.3	5 M	O	225	2.0	RL	45	P4	65
1280	GM	T	18 623 74	12.6	5 N	O	100	1.0	RL	85	P4	65
1282	GM	T	18 623 45	6.3	5 M	O	100	1.0	RL	85	P4	65
1291	GM	T	84 670 00	1.5	5 M	D	135	1.5	RL	56	P4	65
1291	GM	T	14 320 00	1.5	5 M	D	135	1.5	RL	56	P4	65
1299	GM	T	18 623 00	2.5	10 N	O	90	5.0	RL	46	P4	65
1302	GM	T	14 320 00	7.5	50 G	D	250	23.5	RL	62	P4	65
1610	GM	T	16 324 00	2.5	50 G	O	250	16.5	RL	79	P4	65
1611	GM	T	27 534 81	6.3	50 G	O	250	16.5	RL	80	P4	65
1642	GM	T	17 450 80	6.3	50 G	D	250	16.5	RL	57	P4	65
1650	GM	T	16 430 70	6.3	10 G	O	250	7.0	RL	62	P4	65
1655	GM	T	78 450 62	6.3	5 G	D	250	2.0	RL	72	P4	65
1655	GM	T	78 320 65	6.3	5 G	D	250	2.0	RL	72	P4	65
1657	VR	VR	27 503 86	6.3	5 J	F	.....	.....	FS	50	P5	65
1658	GM	T	14 320 00	2.0	50 G	E	180	14.5	RL	57	P4	65
1659	GM	T	16 B20 50	2.5	5 G	D	250	2.0	RL	80	P4	65
1659	EM	T	16 040 50	2.5	5 S	B	20 AC	0	RL	94	P2	65
1659	EM	T	16 030 50	2.5	5 S	B	20 AC	0	RL	94	P2	65
1662	GM	T	17 423 00	2.5	50 J	O	150	9.4	RL	92	P4	65
1652	GM	T	27 495 53	6.3	5 C	J	250	CCW 150	RL	47	P4	65
1653	GM	T	27 455 53	6.3	5 D	H	250	CCW 200	RL	42	P4	65
3416	GM	T	27 543 00	6.3	50 G	O	250	19.0	RL	70	P4	65
6006	GM	T	14 320 00	4.2	50 G	D	250	20.0	RL	83	P4	65
6006A	GM	T	17 550 40	2.5	10 G	V	250	5.0	RL	57	P4	65
6006A	GM	T	17 320 40	2.5	10 G	V	250	5.0	RL	57	P4	65
6010	GM	T	24 610 20	6.3	5 N	O	90	1.5	RL	57	P4	65

*OK under 100 on Percent Quality Meter. (Tube voltage drop measured.)

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Tetrode #1.
Tetrode #2.

Triode #1 | Adj. Fil.
Triode #2 | to 1.4.
Adj. Fil. to 8.

Triode #1.
Triode #2.

Triode #1.
Triode #2.

Blas
Volts, 0.4 Min., 2.8
max.

Triode Sec.

Diode #1.

Diode #2.

Adj. Fil. to 0.0.
Adj. Fil. to 4.5.

Triode #1.

Triode #2.

Tube type	Test Function	Selectors (L to R)	Range			Meter setting				Shunt	Press to test	Minimum limit	Notes
			Filament	Bias	PL. SCR	GM. SIG	Plate	Bias	Screen					SIG. VP
5618	GM	T	6.3 30M	0	0	175	10.5	76	RL	57	65		
5623	GM	T	6.3 30M	0	0	100	CCW	100	RL	63	65		
5634	GM	T	6.3 30M	0	0	100	CCW	100	RL	62	65	Triode fl.	
5635	GM	T	6.3 30M	0	0	100	CCW	100	RL	62	65	Triode fl.	
5637	GM	T	6.3 30M	0	0	80	CCW	---	RL	58	65		
5640	GM	T	6.3 30M	0	0	100	9.0	100	RL	40	65		
5646	GM	T	6.3 30M	0	0	75	CCW	---	RL	83	65		
5659	GM	T	12.6 60	0	0	250	12.5	250	RL	70	65	Peniode Sec.	
5660	GM	T	12.6 60	0	0	225	3.0	125	RL	77	65	Diode fl.	
5660	EM	J	12.6 60	0	0	20 AC	0	---	RL	60	60	Diode fl.	
5660	EM	T	12.6 60	0	0	20 AC	0	---	RL	91	65		
5661	GM	T	12.6 60	0	0	225	3.0	100	RL	91	65		
5662	TH	VR	6.3 10	L	F	---	10	125	FS	25	65	Volts, 0.7 Min., 5.7 Max.	
5679	EM	T	15 600 75	6	6	20 AC	0	---	RL	75	60	Diode fl.	
5679	EM	T	15 600 75	6	6	20 AC	0	---	RL	25	60	Diode fl.	
5684	GM	T	27 630 10	6	6	250	3.0	---	RL	74	65	Triode fl.	
5684	GM	T	27 630 10	6	6	250	3.0	---	RL	74	65	Triode fl.	
5731	GM	T	16 450 70	6	6	250	7.0	---	RL	82	65	Triode fl.	
5732	GM	T	27 630 45	6	6	225	3.0	125	RL	67	65		
5742	GM	T	14 320 00	4	4	250	8.2	---	RL	26	65	Adj. Fil. to 4.5	
5812	GM	T	24 150 02	6	6	250	27.5	250	RL	54	65	Adj. Fil. to 6.0	
5824	GM	T	27 630 80	7	7	225	22.0	135	RL	37	65	Adj. Fil. to 25.0	
5825	EM	T	14 0A0 00	1.5	5	225	0	---	RL	70	65	Adj. Fil. to 1.5	
5844	GM	T	24 610 70	6	6	80	CCW	---	RL	58	65	Triode fl.	
5844	GM	T	24 610 70	6	6	80	CCW	---	RL	58	65	Triode fl.	

4881	GM	T	27	524	51	6.3	G	50	B	250	14.0	250	RL	88	P4	65
4897	GM	T	36	180	50	6.3	O	N	B	100	COV	---	RL	92	P4	65
4900	GM	T	36	157	20	6.3	B	N	O	100	COV	100	RL	45	P4	65
4965	GM	T	45	760	80	12.6	D	M	B	150	COV	---	RL	75	P4	65
4965	GM	T	45	210	30	12.6	D	M	B	150	COV	---	RL	75	P4	65
4967	GM	T	24	680	00	1.1	Q	D	D	45	1.0	---	RL	80	P4	65
4967	GM	T	75	310	00	1.1	S	Q	D	45	1.0	---	RL	80	P4	65
6012	TH	VR	27	305	18	6.3	L	F	F	10	140	---	FS	50	P5	65
6025	GM	T	45	780	30	6.3	D	M	B	120	COV	---	RL	81	P4	65
6055	GM	T	36	180	50	28	5	Q	O	40	1.4	---	RL	60	P4	65
6084	GM	T	45	961	38	6.3	S	M	D	225	2.0	100	RL	88	P4	65
6085	GM	T	45	760	80	12.6	10	G	O	250	5.5	---	RL	63	P4	65
6085	GM	T	45	210	30	12.6	10	G	O	250	5.5	---	RL	63	P4	65
6098	GM	T	34	156	20	6.3	S	K	O	135	2.0	120	RL	37	P4	65
6101	GM	T	34	620	76	6.3	B	N	B	100	COV	---	RL	89	P4	65
6101	GM	T	34	610	75	6.3	B	N	B	100	COV	---	RL	89	P4	65
6113	GM	T	78	450	63	6.3	S	G	D	250	2.0	---	RL	60	P4	65
6113	GM	T	78	120	35	6.3	S	G	D	250	2.0	---	RL	60	P4	65
6134	GM	T	27	486	53	6.3	D	J	B	250	COV	150	RL	55	P4	65
6137	GM	T	27	486	53	6.3	C	J	B	250	COV	150	RL	47	P4	65
6140	VR	VR	00	007	30	OFF	S	H	F	6	MA	0.0	FS	50	P5	103
6140	VR	VR	00	008	20	OFF	S	H	F	4	MA	0.0	FS	50	P5	99
6152	GM	T	45	310	20	6.3	E	L	O	110	COV	---	RL	40	P4	65
6159	GM	T	27	5A3	18	26	50	K	B	200	3A.0	200	RL	68	P4	65
6159	GM	T	36	120	40	6.3	S	N	B	120	0.75	---	RL	80	P4	65
6197	GM	T	45	268	17	6.3	S	J	B	250	3.0	150	RL	37	P4	65
6201	GM	T	45	760	80	12.6	E	N	O	100	COV	---	RL	52	P4	65
6201	GM	T	45	210	30	12.6	E	N	O	100	COV	---	RL	52	P4	65
6252	GM	T	17	2A3	40	12.6	S0	G	D	250	15.0	250	RL	34	P4	65
6252	GM	T	17	6A3	40	12.6	S0	G	D	250	15.0	250	RL	34	P4	65
6285	GM	T	34	156	27	6.3	B	J	O	250	COV	150	RL	44	P4	65
6308	VR	VR	00	003	10	OFF	S	L	F	1.5	MA	0	FS	50	P5	82
6308	VR	VR	00	003	50	OFF	S	L	F	3.5	MA	0	FS	50	P5	92

*OK under 100 on Percent Quality Meter. (Tube voltage drop measured.)

65 Triode #1.
65 Triode #2.
65 Triode #1 | Adj. Fil.
65 Triode #2 | to 1.2K.
Blac Volts, 1.6 Min, AI Max.
65 Adj. Fil. to 26.5.
65 Triode #1.
65 Triode #2.
65 Triode #1.
65 Triode #2.
103 MAX. | Max. Diff.
99 MIN. | =0.76 v.
65 Adj. Fil. to 26.5.
65 Triode #1.
65 Triode #2.
65 "A" Lead to Left Cap
Tetrode #1.
65 "A" Lead to Right
Cap Tetrode #2.
65 Min. | Max. Diff. -3.0.
92 Max.

Tube type	Test	Function	Selectors (L to R)	Range			Meter setting				Shunt	Press to test	Minimum limit	Notes
				Flament	Bias	PL SCR	GM SIG	Plate	Bias	Screen					SIG. VR
6350	GM	T	45 860 70	12.6 10	M	C	C	150	5.0	RL	37	P4	65	Triode #1.
6350	GM	T	45 310 20	12.6 10	M	C	C	150	5.0	RL	37	P4	65	Triode #2.
6354	VR	VR	00 001 20	OFF	G	F	F	15 MA	0	FS	25	P6	116	Max. Diff. -4.
6354	VR	VR	00 001 20	OFF	K	F	F	5 MA	0	FS	25	P5	107	Min.
6355	ER	T	35 012 70	6.3 5	K	F	F	180	0 180	RL	0	P4		Eye 1 open, Eye 2 closed.
6355	ER	T	35 046 70	6.3 5	K	F	F	180	0 180	RL	0	P4		Eye 2 open, Eye 1 closed.
6386	GM	T	19 660 85	6.3 10	D	N	C	100	COW	RL	46	P4	65	Triode #1.
6386	GM	T	19 340 25	6.3 10	D	N	C	100	COW	RL	46	P4	65	Triode #2.
6417	GM	T	45 916 73	12.6 50	G	C	B	250	10.0 250	RL	41	P4	65	Triode #1.
6463	GM	T	46 860 70	12.6 10	K	M	B	180	COW	RL	77	P4	65	Triode #1.
6463	GM	T	45 310 20	12.6 10	C	M	B	180	COW	RL	77	P4	65	Triode #2.
6486	GM	T	34 156 72	6.3 5	C	E	B	250	COW	RL	47	P4	65	Triode #1.
6542	VR	VR	00 003 10	OFF	G	F	F	25 MA	0	FS	25	P5	125	Max. Diff. = 1.25 divisions on quality meter.
6542	VR	VR	00 003 10	OFF	G	F	F	25 MA	0	FS	25	P5	105	Min. Leads are numbered 1, 3, 5, — outside leads are cathode.
6626	VR	VR	00 001 70	OFF	G	F	F	30 MA	0	FS	25	P6	126	Max. Diff. -4.5.
6626	VR	VR	00 001 70	OFF	H	F	F	5 MA	0	FS	25	P5	105	Min.
6660	GM	T	34 156 27	6.3 5	A	N	C	100	COW	RL	47	P4	65	Triode #1.
6661	GM	T	34 156 27	6.3 5	B	E	C	250	COW	RL	46	P4	65	Triode #2.
6662	GM	T	34 156 27	6.3 5	B	M	C	225	COW	RL	60	P4	65	Triode #1.
6663	EM	T	34 078 10	6.3 5	S	S	A	20 AC	0	RL	68	P2	60	Diode #1.

6653	EM	T	34	020	80	6.3	5	S	A	20	AC	0	0	RL	66	P2	50	Diode #2.
6659	GM	T	34	156	20	6.3	5	G	O	250	12.5	250	12.5	RL	48	P4	50	Diode #1.
6677	GM	T	45	263	17	6.3	6	J	B	250	3.0	150	150	RL	32	P4	50	Diode #2.
6678	GM	T	45	263	70	6.3	A	J	B	250	CCW	135	135	RL	95	P4	50	Diode #1.
6679	GM	T	45	910	80	6.3	A	G	B	150	CCW	---	---	RL	53	P4	50	Diode #2.
6680	GM	T	45	760	81	12.6	D	G	B	250	CCW	---	---	RL	87	P4	50	Diode #1.
6681	GM	T	45	210	36	12.6	10	J	O	225	8.5	---	---	RL	80	P4	50	Diode #2.
6682	GM	T	45	760	81	12.6	6	N	D	100	1.0	---	---	RL	80	P4	50	Diode #1.
6683	GM	T	45	210	36	12.6	6	N	D	100	1.0	---	---	RL	82	P4	50	Diode #2.
6688	GM	T	45	270	18	6.3	5	G	A	180	1.0	150	150	RL	90	P4	50	Diode #1.
6690	GM	T	36	750	80	6.3	B	N	O	100	CCW	---	---	RL	40	P4	50	Diode #2.
6788	GM	T	36	210	40	6.3	B	N	O	100	CCW	---	---	RL	40	P4	50	Diode #1.
6814	GM	T	36	180	50	6.3	D	N	D	100	CCW	100	100	RL	82	P4	50	Diode #2.
6888	GM	T	27	5A3	18	12.6	50	K	B	200	30.0	200	200	RL	58	P4	50	Diode #1.
6907	GM	T	27	486	53	6.3	10	J	O	150	4.0	90	90	RL	60	P4	50	Diode #2.
6907	GM	T	17	2A3	40	12.6	50	G	D	250	15.0	250	250	RL	34	P4	50	Diode #1.
6907	GM	T	17	6A3	40	12.6	50	G	D	250	15.0	250	250	RL	34	P4	50	Diode #2.
6919	EM	T	34	070	16	6.3	5	S	A	20	AC	0	0	RL	95	P2	50	Diode #1.
6919	EM	T	34	020	56	6.3	5	S	A	20	AC	0	0	RL	95	P2	50	Diode #2.
6922	GM	T	45	210	30	6.3	5	N	B	100	1.2	---	---	RL	25	P4	50	Diode #1.
6943	GM	T	45	760	80	6.3	5	N	B	100	1.2	---	---	RL	25	P4	50	Diode #2.
6944	GM	T	36	157	24	6.3	O	K	O	125	CCW	100	100	RL	62	P4	50	Diode #1.
6945	GM	T	36	157	24	6.3	O	K	O	125	CCW	100	100	RL	61	P4	50	Diode #2.
6946	GM	T	36	157	20	6.3	D	N	O	100	CCW	100	100	RL	48	P4	50	Diode #1.
6954	GM	T	34	156	27	6.3	6	K	O	150	1.0	150	150	RL	57	P4	50	Diode #2.
6954	GM	T	34	766	21	6.3	5	K	O	150	1.0	150	150	RL	85	P4	50	Diode #1.
6973	GM	T	45	391	70	6.3	50	G	O	250	16.0	250	250	RL	68	P4	50	Diode #2.
7025	GM	T	54	760	80	12.6	6	J	D	225	2.0	---	---	RL	52	P4	50	Diode #1.
7025	GM	T	54	210	30	12.6	6	J	D	225	2.0	---	---	RL	52	P4	50	Diode #2.
7027	GM	T	27	531	80	6.3	50	G	O	250	14.0	250	250	RL	33	P4	50	Diode #1.

Tube type	Test Function	Selectors (L to R)	Range			Meter setting				Press to test	Minimum limits	Notes
			Plate	Bias	PL:SOR	OM:SIG	Plate	Bias	Bored				SIG:VR
7036	EM	34 156 27	6.3	5 S	A	20 AC	0	RL	RL	26 P2, P3	45	Triode #1.
7044	GM	45 790 60	12.6	5 M	B	120	2.0	RL	RL	P4	65	Triode #2.
7054	GM	45 210 30	12.6	5 M	B	120	2.0	RL	RL	P4	65	Triode #2.
7057	GM	45 278 13	12.6	A J	B	250	CCW	150	RL	P4	65	Triode #1.
7056	GM	34 156 27	12.6	D H	B	200	CCW	150	RL	P4	65	Triode #1.
7057	GM	45 760 80	12.6	D K	B	150	CCW	RL	RL	P4	65	Triode #1.
7058	GM	45 210 30	12.6	D K	B	160	CCW	RL	RL	P4	65	Triode #2.
7058	GM	54 760 80	12.6	5 J	D	225	2.0	RL	RL	P4	67	Triode #1.
7059	GM	54 210 30	12.6	5 J	D	225	2.0	RL	RL	P4	67	Triode #2.
7059	GM	54 263 70	12.6	5 J	O	200	1.4	110	RL	P4	65	Pentode Sec.
7060	GM	54 910 80	12.6	5 G	O	150	2.0	RL	RL	P4	65	Triode Sec.
7060	GM	54 867 90	12.6	5 J	B	200	1.5	125	RL	P4	65	Pentode Sec.
7061	GM	54 210 30	12.6	5 G	O	150	1.5	RL	RL	P4	65	Triode Sec.
7061	GM	45 891 70	12.6	5 G	O	250	12.5	250	RL	P4	65	Triode Sec.
7199	GM	54 723 60	6.3	5 J	O	220	1.5	130	RL	P4	65	Pentode Sec.
XXXB	GM	54 910 80	6.3	10 J	O	200	7.4	RL	RL	P4	65	Triode Sec.
XXXB	GM	78 360 00	1.5	5 N	D	100	3.0	RL	RL	P4	65	Triode #1 Adj. Fil.
XXXD	GM	17 430 00	1.5	5 N	D	100	3.0	RL	RL	P4	65	Triode #2 to I.A.
XXXD	GM	18 560 70	12.6	50 G	O	250	10.0	RL	RL	P4	65	Triode #1.
XXXFM	GM	18 430 20	12.6	50 G	O	250	10.0	RL	RL	P4	65	Triode #2.
XXXFM	GM	18 320 40	6.3	5 G	O	250	1.0	RL	RL	P4	65	Triode Sec.
XXXFM	EM	18 050 40	6.3	5 S	B	20 AC	0	RL	RL	P2	50	Diode #1.
XXXFM	EM	18 050 70	6.3	5 S	B	20 AC	0	RL	RL	P2	50	Diode #2.
XXXL	GM	18 620 70	6.3	10 G	O	250	8.0	RL	RL	P4	65	