

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER									FIL. CONT.	COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z		
Information from MRC-(C2A); (F2B); (G2K); (H2G)												
0A4		7	1	0	10	1	---	---	5	---		May show short on 2-7.
0Z4	Plate-1	7	1	0	4	18	*	---	5	---		
0Z4	Plate-2	7	1	0	4	18	---	---	3	---		
1A7	Amp	4	2	25	29	2	---	4	3	11	2-7	
1A7	Osc	2	2	14	36	2	---	---	4-6	5	2-7	
1AB5		1	1	35	13	2	7	3	2	6	1-7-8	
1AB6	Amp	5	7	27	40	2	---	6	2	3-4	1-7	
1AB6	Osc	5	7	13	19	2	---	---	3	4	1-7	
1AC5		5	4	7	23	2	---	8	7	2	4-5	
1AC6	Amp	1	7	50	31	2	---	6	2	3-4	1-7	
1AC6	Osc	1	7	36	10	2	---	5	3	4	1-7	
1AD4		5	5	7	21	2	---	---	1-2	4	3-5	
1AD5		5	4	7	36	2	---	8	7	2	4-5	
1AE4		1	7	10	44	2	---	3	2	6	1-5-7	
1AF4		5	7	9	28	2	---	3	2	6	1-5-7	
1AF5	Pentode	5	1	11	33	2	---	4	5	6	1-7	
1AF5	Diode	3	1	0	45	2	---	---	3	---	1-7	OK Above 14 on Meter Scale
1AG4		5	3	4	17	2	---	2	1	4	3-5	
1AG5	Pentode	5	4	7	44	2	---	2	1	5	4-6	
1AG5	Diode	3	4	0	25	2	---	---	3	---	4-6	
1AH4		5	3	5	38	2	---	2	1	4	3-5	
1AH5	Pentode	4	7	17	41	2	---	4	5	6	1-7	
1AH5	Diode	3	7	0	28	2	---	---	3	---	1-7	
1AJ4		5	7	6	37	2	---	3	2	6	1-5-7	
1AJ5	Pentode	5	4	8	40	2	---	2	1	5	4-6	
1AJ5	Diode	3	4	0	24	2	---	---	3	---	4-6	
1AK4		3	3	10	32	2	---	2	1	4	3-5	
1AK5	Pentode	3	4	10	45	2	---	2	1	5	4-6	
1AK5	Diode-1	3	4	0	29	2	---	---	3	---	4-6	
1AN5		5	7	16	33	2	---	3	2	6	1-5-7	
1AX2	*	7	2	0	32	2	5-8	---	11	---	**	* CAUTION - Levers 5-8 shall be thrown to position "W" before inserting tube and shall remain in position "W" throughout all tests, including short tests. ** Shall show short on 1 2-4-6-9. May show short on 3-7.

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
1B3		7	2	0	18	2	---	---	11	---		May show short on 1-3-5-8. This tube is being tested at a relatively low potential. This test is therefore not indicative of operation at rated high-voltage.
1DN5	Pentode	4	1	12	30	2	---	3	2	6	1-7	
1DN5	Diode	3	1	0	39	2	---	---	4	---	1-7	
1G3		7	2	0	18	2	---	---	11	---	2-7	May show short on 1-3-5-8.
1H2	*	2	5	0	49	2	2-8	---	11	---	**	* CAUTION - Levers 2-8 shall be thrown to "W" before inserting tube. ** Shall show short on 1-4-5-6-9.
1H5	Diode	3	2	0	27	2	---	---	5	---	2-7	
1H5	Triode	5	2	12	46	2	---	---	3	11		
1J3		4	2	0	30	2	---	---	11	---	2-7	
1K3		4	2	0	30	2	---	---	11	---	2-7	
1L4		1	7	27	29	2	5	3	2	6	1-5-7	
1LA4		1	1	33	17	2	---	3	2	6	1-8	
1LA6	Amp	4	1	26	30	2	---	5	2	6	1-8	
1LA6	Osc	1	1	30	45	2	---	---	3	4	1-8	
1LB4		1	1	26	23	2	---	3	2	6	1-8	
1LC5		1	1	18	40	2	5	3	2	6	1-5-8	
1LC6	Amp	4	1	28	25	2	---	5	2	6	1-8	
1LC6	Osc	1	1	30	40	2	---	---	3	4	1-8	
1LD5	Pentode	1	1	27	31	2	---	3	2	6	1-8	
1LD5	Diode	3	1	0	27	2	---	---	4	---	1-8	
1LE3		1	1	13	24	2	---	---	2	6	1-8	
1LF3		1	1	13	24	2	---	---	2	6	1-8	
1LG5		1	1	21	35	2	5	3	2	6	1-8	Shall show short on 5.
1LH4	Triode	5	1	12	46	2	---	---	2	6	1-8	
1LH4	Diode	3	1	0	27	2	---	---	4	---	1-8	
1LN5		1	1	25	35	2	5	3	2	6	1-5-8	
1M3	Eye	3	4	0	0	2	---	---	1-8	---	4-5	See instructions for eye test.
1N3	Eye	3	4	0	0	2	---	---	1-8	---	4-5	See instructions for eye test.
1N5		1	2	25	40	2	---	4	3	11	2-7	
1P5		1	2	22	42	2	---	4	3	11	2-7	
1Q5		1	2	26	12	2	---	4	3	5	2-7	
1R5	Amp	4	7	9	39	2	5	3	2	6	1-5-7	
1R5	Osc	2	7	10	39	2	5	---	3	4	1-5-7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
1S2	*	7	2	0	14	2	5-8	---	11	---	**	* CAUTION - Levers 5-8 shall be thrown to position "W" before inserting tube and shall remain in position "W" throughout all tests, including short tests. ** Shall show short on 1-2-4-6-9. May show short on 3-7.
1S4		1	7	26	15	2	5-6	4	2	3	1-5-7	Shall show short on 2-6. Plate short test - Depress 2-6 together.
1S5	Pentode	1	1	26	35	2	---	4	5	6	1-7	
1S5	Diode	3	1	0	29	2	---	---	3	---	1-7	
1T4		1	7	32	22	2	5	3	2	6	1-5-7	
1T5		1	2	33	15	2	---	4	3	5	2-7	
1U4		1	7	27	32	2	5	3	2	6	1-5-7	
1U5	Pentode	1	1	26	35	2	---	3	2	6	1-7	
1U5	Diode	3	1	0	29	2	---	---	4	---	1-7	
1V		2	1	0	3	7	---	---	2	---	1-4	
1V2		7	4	0	29	1	*	---	9	---	4-5	* Levers 1-2-3-6-7-8 Shall be thrown to "W". May show short on 1-2-3-6-7-8-9.
1X2	*	7	2	0	16	2	5-8	---	11	---		* CAUTION - Levers 5-8 shall be thrown to position "W" before inserting tube and shall remain in position "W" throughout all tests, including short tests. ** Shall show short on 1-2-4-6-9. May show short on 3-7.
1Z2	*	7	2	0	23	2	5-7	---	11	---		* CAUTION - Levers 5-7 shall be thrown to position "W" before inserting tube and shall remain in position "W" throughout all tests, including short tests. Shall show short on 1-2-3-4-6.
2A3		1	1	40	4	4	---	---	2	3	1-4	
2AF4		2	3	24	11	4	1-2	---	7	6	3-4	Shall show short on 1-2-6-7. Grid short test - Depress 2-6 together. Plate short test - depress 1-7 together.
2B4		2	1	0	2	4	---	---	3	---	1-5	
2B6	Input	1	1	26	27	4	---	---	3	4	1-7	
2B6	Output	1	1	34	8	4	---	---	2	5	1-7	
2BN4		5	4	12	11	3	---	---	5	2-7	3-4	Shall show short on 1-2-6-7. Grid short test - Depress 2-7 together. Plate short test - depress 1-6 together.
2CY5		2	3	11	20	4	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.

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TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
2EA5		1	3	27	10	4	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
2EN5	Diode-1	3	3	0	16	3	---	---	7	---	3-4	
2EN5	Diode-2	3	3	0	16	3	---	---	2	---	3-4	
2ER5		1	3	17	10	4	---	6	5	2	3-4	Shall show short on 1-7. Cathode short test - Depress 1-7 together.
2ES5		1	3	20	10	3	---	6	5	2	3-4	Shall show short on 1-7. Cathode short test - Depress 1-7 together.
2EV5		3	3	5	19	3	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
2FH5		1	3	21	10	4	---	---	5	2	3-4	Shall show short on 1-7. Cathode short test - Depress 1-7 together.
2FV6		1	3	25	10	4	---	6	5	1	3-4	
2FY5		1	3	13	10	4	---	---	5	2	3-4	Shall show short on 1-7. Cathode short test - Depress 1-7 together.
2T4		2	3	23	11	4	1-2	---	7	6	3-4	Shall show short on 1-2-6-7. Grid short test - Depress 2-6 together. Plate short test - depress 1-7 together.
2X3		2	2	0	8	4	---	---	4	---	2-8	
3A2	*	7	2	0	14	5	5-8	---	11	---	**	* CAUTION - Levers 5-8 shall be thrown to position "W" before inserting tube and shall remain in position "W" throughout all tests, including short tests. ** Fill Cont - Shall show short on 1-2-4-6-9. May show short on 3-7.
3A3		7	2	0	22	5	---	---	11	---	2-7	May show short on 1-3-5-8.
3A4		1	5	26	12	2	6	3	2	4	1-5-7	Shall show short on 2-6. Plate short test - Depress 2-6 together.
3A5	Triode-1	1	4	20	14	2	---	---	2	3	1-4-7	
3A5	Triode-2	1	4	20	14	2	---	---	6	5	1-4-7	
3A8	Diode	3	1	0	27	2	---	---	8	---	1-2-7	
3A8	Triode	1	1	20	50	2	---	---	6	5	1-2-7	
3A8	Pentode	1	1	27	34	2	---	4	3	11	1-2-7	
3AF4		2	3	24	11	5	1-2	---	7	6	3-4	Shall show short on 1-2-6-7. Grid short test - Depress 2-6 together. Plate short test - depress 1-7 together.
3AL5	Diode-1	3	3	0	17	5	---	---	7	---	3-4	
3AL5	Diode-2	3	3	0	17	5	---	---	2	---	3-4	
3AU6		1	3	13	27	5	---	6	5	1	3-4	
3AV6	Triode	1	3	12	32	5	---	---	7	1	3-4	
3AV6	Diode-1	3	3	0	27	5	---	---	6	---	3-4	

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		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
3AV6	Diode-2	3	3	0	27	5	---	---	5	---	3-4	
3B2	*	7	2	0	28	5	*	---	11	---	2-7	* CAUTION - Levers 1-3-5-6-8 shall be thrown to position "W" before inserting tube and shall remain in position "W" throughout all tests including short tests.
3B4	*	1	2	23	11	2	6	1	7	3	2-4-5	* CAUTION - Lever 6 shall be thrown to position "W" before inserting tube and shall remain in position "W" throughout all tests including short tests.
3B5		1	8	22	13	2	---	4	3	5	2-7-8	
3B7	Triode-1	1	4	17	18	2	---	---	7	6	1-4-8	
3B7	Triode-2	1	4	17	18	2	---	---	2	3	1-4-8	
3BA6		1	3	28	15	5	---	6	5	1	3-4	
3BC5		1	3	9	32	5	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
3BE6	Amp	4	3	7	27	5	---	6	5	7	3-4	
3BE6	Osc	1	3	21	9	5	---	---	6	1	3-4	
3BN4		5	4	12	11	4	---	---	5	2-7	3-4	Shall show short on 1-2-6-7. Grid short test - Depress 2-7 together. Cathode short test - Depress 1-6 together.
3BN6		4	3	6	41	5	---	5	7	2-6	3-4	
3BU8	Sect-1	4	4	10	27	5	---	2	8	7	4-5	
3BU8	Sect-2	4	4	10	27	5	---	2	3	7	4-5	
3BX6		1	4	8	29	5	---	8	7	2	4-5	Shall show short on 1-3. Cathode short test - Depress 1-3 together.
3BY6	Sect-1	1	3	18	10	5	---	---	6	1	3-4	
3BY6	Sect-2	4	3	6	25	5	---	6	5	7	3-4	
3BY7		4	4	5	10	5	---	8	7	2	4-5	Shall show short on 1-3. Cathode short test - Depress 1-3 together.
3BZ6		1	3	8	30	5	---	6	5	1	3-4	
3C4		1	5	30	10	2	---	3	2	6	1-5-7	
3C5		1	8	27	13	2	---	4	3	5	2-7-8	
3CB6		1	3	8	30	5	---	6	5	1	3-4	
3CE5		1	3	9	30	5	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
3CF6		1	3	7	30	5	---	6	5	1	3-4	
3CS6	Amp	4	3	7	28	5	---	6	5	7	3-4	
3CS6	Osc	1	3	22	10	5	---	---	6	1	3-4	
3CY5		2	3	11	20	4	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
3D6		1	7	18	15	2	---	3	2	6	1-7-8	

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		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
3DG4	Plate-1	1	1	0	4	5	---	---	7	---	1-3	
3DG4	Plate-2	1	1	0	4	5	---	---	5	---	1-3	
3DK6		1	3	6	29	5	---	6	5	1	3-4	
3DT6		1	3	18	29	5	---	6	5	1-7	3-4	
3E6		1	5	21	26	2	---	3	2	6	1-5-8	
3EA5		1	3	27	10	4	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
3ER5		1	3	17	10	4	---	6	5	2	3-4	Shall show short on 1-7. Cathode short test - Depress 1-7 together.
3ES5		1	3	20	10	5	---	6	5	2	3-4	Shall show short on 1-7. Cathode short test - Depress 1-7 together.
3EV5		3	3	5	19	4	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
3FH5		1	3	21	10	5	---	---	5	2	3-4	Shall show short on 1-7. Cathode short test - Depress 1-7 together.
3FY5		1	3	13	10	5	---	---	5	2	3-4	Shall show short on 1-7. Cathode short test - Depress 1-7 together.
3LF4		1	7	26	12	2	---	3	2	6	1-7-8	
3Q4		1	5	27	15	2	2	4	6	3	1-5-7	Must show short on 2-6. Plate short test - Depress 2-6 together.
3Q5		1	8	26	12	2	---	4	3	5	2-7-8	
3S4		1	5	27	14	2	6	4	2	3	1-5-7	Must show short on 2-6. Plate short test - Depress 2-6 together.
3V4		1	5	27	15	2	---	3	2	6	1-5-7	
4A6	Triode-1	1	8	25	22	3	---	---	6	5	2-7-8	
4A6	Triode-2	1	8	25	22	3	---	---	3	4	2-7-8	
4AU6		1	3	13	27	5z - *	---	6	5	1	3-4	Set switch "E" to 6 if there is no 5z position.
4AV6	Triode	1	3	12	32	5z - *	---	---	7	1	3-4	Set switch "E" to 6 if there is no 5z position.
4AV6	Diode-1	3	3	0	27	5z - *	---	---	6	---	3-4	Set switch "E" to 6 if there is no 5z position.
4AV6	Diode-2	3	3	0	27	5z - *	---	---	5	---	3-4	Set switch "E" to 6 if there is no 5z position.
4BA6		1	3	28	15	5z - *	---	6	5	1	3-4	Set switch "E" to 6 if there is no 5z position.
4BC5		1	3	9	32	5z - *	---	6	5	1	3-4	Set switch "E" to 6 if there is no 5z position. Shall show short on 2-7. Cathode short test - Depress 2-7 together.

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
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TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
4BC8	Triode-1	5	4	13	10	5z - *	---	---	6	7	4-5	Set switch "E" to 6 if there is no 5z position.
4BC8	Triode-2	5	4	13	10	5z - *	---	---	1	2	4-5	Set switch "E" to 6 if there is no 5z position.
4BE6	Amp	4	3	7	27	5z - *	---	6	5	7	3-4	Set switch "E" to 6 if there is no 5z position.
4BE6	Osc	1	3	21	9	5z - *	---	---	6	1	3-4	Set switch "E" to 6 if there is no 5z position.
4BL8	Triode	1	4	14	10	6	---	---	1	9	4-5	
4BL8	Pentode	1	4	23	16	6	---	3	6	2	4-5	
4BN4		5	4	12	11	5z - *	---	---	2-7	3-4	3-4	Set switch "E" to 6 if there is no 5z position. Shall show short on 1-2-6-7. Grid short test - Depress 2-7 together. Cathode short test - Depress 1-6 together.
4BN6		4	3	6	41	5z - *	---	5	7	2-6	3-4	Set switch "E" to 6 if there is no 5z position.
4BQ7A	Triode-1	1	4	15	11	5z - *	---	---	6	7	4-5	Set switch "E" to 6 if there is no 5z position.
4BQ7A	Triode-2	1	4	15	11	5z - *	---	---	1	2	4-5	Set switch "E" to 6 if there is no 5z position.
4BS8	Triode-1	5	4	9	12	5z - *	---	---	6	7	4-5	Set switch "E" to 6 if there is no 5z position.
4BS8	Triode-2	5	4	9	12	5z - *	---	---	1	2	4-5	Set switch "E" to 6 if there is no 5z position.
4BU8	Sect-1	4	4	10	27	5z - *	---	2	8	7	4-5	Set switch "E" to 6 if there is no 5z position.
4BU8	Sect-2	4	4	10	27	5z - *	---	2	3	7	4-5	Set switch "E" to 6 if there is no 5z position.
4BX8	Triode-1	1	4	20	8	5z - *	---	---	6	7	4-5	Set switch "E" to 6 if there is no 5z position.
4BX8	Triode-2	1	4	20	8	5z - *	---	---	1	2	4-5	Set switch "E" to 6 if there is no 5z position.
4BZ6		1	3	8	30	5z - *	---	6	5	1	3-4	Set switch "E" to 6 if there is no 5z position.
4BZ7	Triode-1	5	4	13	10	5z - *	---	---	6	7	4-5	Set switch "E" to 6 if there is no 5z position.
4BZ7	Triode-2	5	4	16	10	5z - *	---	---	1	2	4-5	Set switch "E" to 6 if there is no 5z position.
4BZ8	Triode-1	1	4	14	13	5z - *	---	---	1	2	4-5	Set switch "E" to 6 if there is no 5z position.

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4BZ8	Triode-2	1	4	14	13	5z - *	---	---	6	7	4-5	Set switch "E" to 6 if there is no 5z position.
4CB6		1	3	8	30	5z - *	---	6	5	1	3-4	Set switch "E" to 6 if there is no 5z position.
4CE5		1	3	9	30	5z - *	---	6	5	1	3-4	Set switch "E" to 6 if there is no 5z position. Shall show short on 2-7. Cathode short test - Depress 2-7 together.
4CM4		2	4	19	10	5	1-2-6	---	9	8	4-5	Shall show short on 1-2-3-6-7-8-9. Plate short test - Depress 1-9 together. Grid short test - Depress 2-6-8 together. Cathode short test - Depress 3-7 together.
4CS6	Amp	4	3	7	28	5z - *	---	6	5	7	3-4	Set switch "E" to 6 if there is no 5z position.
4CS6	Osc	1	3	22	10	5z - *	---	---	6	1	3-4	Set switch "E" to 6 if there is no 5z position.
4CY5		2	3	11	20	6	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
4DE6		1	3	4	30	5z - *	---	6	5	1	3-4	Set switch "E" to 6 if there is no 5z position.
4DK6		1	3	6	29	5z - *	---	6	5	1	3-4	Set switch "E" to 6 if there is no 5z position.
4DT6		1	3	18	29	5z - *	---	6	5	1-7	3-4	Set switch "E" to 6 if there is no 5z position.
4ES8	Triode-1	2	4	12	10	5z - *	---	---	6	7	4-5	Set switch "E" to 6 if there is no 5z position.
4ES8	Triode-2	2	4	13	10	5z - *	---	---	1	2	4-5	Set switch "E" to 6 if there is no 5z position.
4EW6		1	3	19	21	5z - *	---	6	5	1	3-4	Set switch "E" to 6 if there is no 5z position.
4GM6		4	3	4	10	5z - *	---	6	5	1	3-4	Set switch "E" to 6 if there is no 5z position.
5AM8	Pentode	1	4	8	29	6	---	3	6	2	4-5	
5AM8	Diode	3	4	0	17	6	---	---	8	---	4-5	
5AN8	Triode	5	4	10	13	6	---	---	1	2	4-5	
5AN8	Pentode	4	4	8	10	6	---	7	6	8	4-5	
5AQ5		1	3	32	8	6	1	6	5	7	3-4	Shall show short on 1-7. Grid short test - Depress 1-7 together.
5AR4	Plate-1	1	2	0	4	6	---	---	4	---	2-8	
5AR4	Plate-2	1	2	0	4	6	---	---	6	---	2-8	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
5AS4	Plate-1	2	2	0	5	6	---	---	4	---	2-8	
5AS4	Plate-2	2	2	0	5	6	---	---	6	---	2-8	
5AS8	Pentode	1	4	15	20	6	---	1	9	2	4-5	
5AS8	Diode	3	4	0	17	6	---	---	6	---	4-5	
5AT8	Triode	1	4	12	16	6	---	---	2	1	4-5	
5AT8	Pentode	1	4	8	36	6	---	7	6	9	4-5	
5AU4	Plate-1	2	2	0	4	6	---	---	4	---	2-8	
5AU4	Plate-2	2	2	0	4	6	---	---	6	---	2-8	
5AV8	Triode	5	4	10	13	6	---	---	3	2	4-5	
5AV8	Pentode	4	4	8	10	6	---	8	9	6	4-5	
5AW4	Plate-1	2	2	0	4	6	---	---	4	---	2-8	
5AW4	Plate-2	2	2	0	3	6	---	---	6	---	2-8	
5AX4	Plate-1	2	2	0	8	6	---	---	4	---	2-8	
5AX4	Plate-2	2	2	0	8	6	---	---	6	---	2-8	
5AZ4	Plate-1	2	2	0	8	6	---	---	4	---	2-8	
5AZ4	Plate-2	2	2	0	8	6	---	---	6	---	2-8	
5B8	Triode	1	4	9	14	6	---	---	3	2	4-5	
5B8	Pentode	1	4	5	29	6	---	3	9	6	4-5	
5BC8	Triode-1	5	4	13	10	6	---	---	6	7	4-5	
5BC8	Triode-2	5	4	13	10	6	---	---	1	2	4-5	
5BE8	Triode	5	4	13	10	6	---	---	2	1	4-5	
5BE8	Pentode	4	4	9	9	6	---	7	6	9	4-5	
5BK7A	Triode-1	5	4	12	12	6	---	---	6	7	4-5	
5BK7A	Triode-2	5	4	12	12	6	---	---	1	2	4-5	
5BQ7	Triode-1	1	4	15	11	7	---	---	6	7	4-5	
5BQ7	Triode-2	1	4	15	11	7	---	---	1	2	4-5	
5BR8	Triode	1	4	15	14	6	---	---	2	1	4-5	
5BR8	Pentode	1	4	10	33	6	---	7	6	9	4-5	
5BS8	Triode-1	5	4	9	12	6	---	---	6	7	4-5	
5BS8	Triode-2	5	4	9	12	6	---	---	1	2	4-5	
5BT8	Pentode	1	4	5	33	6	---	7	6	8	4-5	
5BT8	Diode-1	3	4	0	20	6	---	---	2	---	4-5	
5BT8	Diode-2	3	4	0	20	6	---	---	1	---	4-5	
5BW8	Pentode	2	4	5	37	6	---	8	9	6	4-5	
5BW8	Diode-1	3	4	0	16	6	---	---	3	---	4-5	
5BW8	Diode-2	3	4	0	16	6	---	---	1	---	4-5	
5BZ7	Triode-1	5	4	13	10	7	---	---	6	7	4-5	
5BZ7	Triode-2	5	4	13	10	7	---	---	1	2	4-5	
5CG8	Triode	1	4	18	12	6	---	---	2	1	4-5	Shall show short on 3-8. Cathode short test - Depress 3-8 together.
5CG8	Pentode	1	4	25	28	6	---	7	6	9	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
5CL8	Triode	1	4	32	7	6	---	---	2	1	4-5	
5CL8	Tetrode	1	4	25	17	6	---	7	6	9	4-5	
5CM6		1	4	17	13	6	3	1	9	6	4-5	Shall show short on 3-6. Grid short test - Depress 3-6 together.
5CM8	Triode	1	4	14	31	6	---	---	1	9	4-5	
5CM8	Pentode	1	4	9	26	6	---	7	6	2	4-5	
5CQ8	Triode	1	4	28	9	6	---	---	1	9	4-5	
5CQ8	Tetrode	1	4	27	18	6	---	3	6	2	4-5	
5CX8	Triode	1	4	28	11	6	---	---	3	2	4-5	
5CX8	Pentode	1	4	18	11	6	---	8	9	7	4-5	
5CZ5		1	4	25	10	6	3	1	9	6	4-5	Shall show short on 3-6. Grid short test - Depress 3-6 together.
5DH8	Triode	1	4	39	7	6	---	---	2	1	4-5	
5DH8	Pentode	1	4	23	18	6	---	7	6	9	4-5	
5EA8	Pentode	1	4	20	23	6	---	3	6	2	4-5	
5EA8	Triode	1	4	18	11	6	---	---	1	9		
5EH8	Pentode	2	4	8	45	6	---	8	9	7	4-5	Shall show short on 1-6. Cathode short test - Depress 1-6 together.
5EH8	Triode	2	4	32	11	6	---	---	3	2	4-5	
5ES8	Triode-1	2	4	12	10	6	---	---	6	7	4-5	
5ES8	Triode-2	2	4	13	10	6	---	---	1	2	4-5	
5EU8	Triode	1	4	22	10	5z - *	---	---	3	2	4-5	
5EU8	Pentode	4	4	8	10	5z - *	---	9	1	7	4-5	
5FG7	Triode	1	4	24	10	6	---	---	2	1	4-5	Shall show short on 3-8. Cathode short test - Depress 3-8 together.
5FG7	Pentode	1	4	17	21	6	---	7	6	9	4-5	
5FV8	Triode	1	4	18	10	6	---	---	2	1	4-5	
5FV8	Pentode	4	4	6	10	6	---	7	6	9	4-5	
5GM6		4	3	4	10	6	---	6	5	1	3-4	
5J6	Triode-1	1	3	16	13	6	---	---	2	5	3-4	
5J6	Triode-2	1	3	16	13	6	---	---	1	6	3-4	
5R4GY	Plate-1	2	2	0	6	6	---	---	4	---	2-8	
5R4GY	Plate-2	2	2	0	6	6	---	---	6	---	2-8	
5T8	Triode	1	4	9	38	6	---	---	9	8	4-5	
5T8	Diode-1	3	4	0	16	6	---	---	6	---	4-5	
5T8	Diode-2	3	4	0	16	6	---	---	2	---	4-5	
5T8	Diode-3	3	4	0	16	6	---	---	1	---	4-5	
5U4	Plate-1	2	2	0	5	6	---	---	4	---	2-8	
5U4	Plate-2	2	2	0	5	6	---	---	6	---	2-8	
5U8	Triode	1	4	28	8	6	---	---	1	9	4-5	
5U8	Pentode	1	4	14	29	6	---	3	6	2	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
5V3	Plate-1	2	2	0	4	6	---	---	4	---	2-8	
5V3	Plate-2	2	2	0	4	6	---	---	6	---	2-8	
5V4	Plate-1	2	2	0	2	6	---	---	4	---	2-8	
5V4	Plate-2	2	2	0	2	6	---	---	6	---	2-8	
5V6		1	2	31	9	6	---	4	3	5	2-7	
5W4	Plate-1	2	2	0	9	6	---	---	4	---	2-8	
5W4	Plate-2	2	2	0	9	6	---	---	6	---	2-8	
5X8	Triode	1	4	12	14	6	---	---	3	2	4-5	
5X8	Pentode	1	4	8	30	6	---	8	9	7	4-5	
5Y3	Plate-1	2	2	0	8	6	---	---	4	---	2-8	
5Y3	Plate-2	2	2	0	8	6	---	---	6	---	2-8	
5Z3	Plate-1	2	1	0	5	6	---	---	2	---	1-4	
5Z3	Plate-2	2	1	0	5	6	---	---	3	---	1-4	
6A7	Amp	4	1	40	19	7	---	3	2	11	1-7	
6A7	Osc	1	1	28	31	7	---	---	4	5	1-7	
6A8	Amp	4	2	29	24	7	---	4	3	11	2-7	
6A8	Osc	1	2	33	28	7	---	---	6	5	2-7	
6AB4		1	3	30	10	7	---	---	1	6	3-4	
6AB5	Triode	1	1	23	19	7	---	---	2	3	1-6	
6AB5	Eye	1	1	0	0	7	---	---	2-4	---	1-6	See instructions for eye test.
6AB6	Input	1	2	31	18	7	---	---	4	5	2-7	
6AB6	Output	1	2	34	10	7	---	4	3	5	2-7	
6AB7		1	2	12	22	7	---	6	8	4	2-7	
6AB8	Pentode	1	4	26	10	7	---	8	6	9	4-5	
6AB8	Triode	1	4	34	10	7	---	---	1	2	4-5	
6AC6		1	2	29	8	7	---	4	3	5	2-7	
6AC7		1	2	6	26	7	---	6	8	4	2-7	
6AD4		1	3	6	33	7	---	---	8	1	3-6	
6AD5		1	2	12	33	7	---	---	3	5	2-7	
6AD6		1	2	0	0	7	---	---	3-4-5	---	2-7	See instructions for eye test.
6AD7	Triode	1	2	30	23	7	---	---	6	1	2-7	
6AD7	Pentode	1	2	32	10	7	---	4	3	5	2-7	
6AE5		1	2	29	6	7	---	---	3	5	2-7	
6AE6	Triode-1	1	2	18	35	7	---	---	3	5	2-7	
6AE6	Triode-2	1	2	18	38	7	---	---	4	5	2-7	
6AE7	Triode-1	1	2	34	7	7	---	---	3	6	2-7	
6AE7	Triode-2	1	2	34	7	7	---	---	3	4	2-7	
6AF3		3	4	0	15	7	2	---	9	---	4-5	May show short on 2-9.
6AF4		2	3	24	11	7	1-2	---	7	6	3-4	Shall show short on 1-2-6-7. Plate short test - Depress 1-7 together. Grid short test - Depress 2-6 together.

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6AF5	Eye	1	2	25	7	7	---	---	3	5	2-7	
6AF6		1	2	0	0	7	---	---	3-4-5	---	2-7	
6AG5		1	3	9	33	7	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
6AG6		1	2	22	10	7	---	4	3	5	2-7	
6AG7		1	2	14	13	7	---	6	8	4	2-7	
6AH4		2	2	27	7	7	---	---	5	1	2-7	
6AH5		1	2	24	9	7	---	1	4	6	2-7	
6AH6		1	3	8	25	7	---	6	5	1	3-4	
6AH7	Triode-1	1	7	29	10	7	---	---	3	1	7-8	
6AH7	Triode-2	1	7	29	10	7	---	---	6	5	7-8	
6AJ4		2	7	21	18	7	*	---	5	9	7-8	* Throw levers 1-3-4-6 to "W". Shall show short on 1-3-4-6-9. Grid short test - Depress 1-3-4-6-9 together.
6AJ5		1	3	13	17	7	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
6AJ7		1	2	6	26	7	---	6	8	4	2-7	
6AJ8	Amp	1	4	14	31	7	---	1	6	2	4-5	
6AJ8	Osc	1	4	25	10	7	---	---	1	2	4-5	
6AJ8	Triode	1	4	25	13	7	---	---	8	9	4-5	
6AK4		2	3	12	18	7	---	---	8	1	3-6	
6AK5		1	3	22	16	7	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
6AK6		1	3	32	10	7	---	6	5	1	3-4	
6AK7		1	2	14	13	7	---	6	8	4	2-7	
6AK8	Triode	4	4	14	10	7	---	---	9	8	4-5	
6AK8	Diode-1	3	4	0	24	7	---	---	6	---	4-5	
6AK8	Diode-2	3	4	0	16	7	---	---	2	---	4-5	
6AK8	Diode-3	3	4	0	16	7	---	---	1	---	4-5	
6AL5	Diode-1	3	3	0	17	7	---	---	7	---	3-4	
6AL5	Diode-2	3	3	0	17	7	---	---	2	---	3-4	
6AL6		1	2	24	9	7	---	4	11	5	2-7	
6AL7	Eye	7	2	7	0	7	---	---	3	4-6-5	2-7	See instructions for FM/AM eye tests.
6AM4		1	7	13	18	7	*	---	5	9	7-8	Throw levers 1-3-4-6 to "W". Shall show short on 1-3-4-6-9. Grid short test - Depress 1-3-4-6-9 together.
6AM6		4	3	10	10	7	---	7	5	1	3-4	
6AM8	Pentode	4	4	7	10	7	---	3	6	2	4-5	
6AM8	Diode	3	4	0	16	7	---	---	8	---	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6AN4		1	3	28	9	7	1-2	---	7	6	3-4	Shall show short on 1-2-6-7. Plate short test - Depress 1-7 together. Grid short test - Depress 2-6 together.
6AN8	Triode	5	4	10	13	7	---	---	1	2	4-5	
6AN8	Pentode	4	4	8	10	7	---	7	6	8	4-5	
6AQ5		1	3	32	8	7	1	6	5	7	3-4	Shall show short on 1-7. Grid short test - Depress 1-7 together.
6AQ6	Triode	1	3	13	30	7	---	---	7	1	3-4	
6AQ6	Diode-1	3	3	0	27	7	---	---	5	---	3-4	
6AQ6	Diode-2	3	3	0	27	7	---	---	6	---	3-4	
6AQ7	Triode	1	7	15	30	7	---	---	5	4	7-8	
6AQ7	Diode-1	3	7	0	23	7	---	---	3	---	7-8	
6AQ7	Diode-2	3	7	0	23	7	---	---	1	---	7-8	
6AQ8	Triode-1	1	5	21	13	7	---	---	6	7	4-5	
6AQ8	Triode-2	1	5	21	13	7	---	---	1	2	4-5	
6AR5		1	3	31	11	7	---	6	5	1	3-4	
6AR6		1	6	18	8	7	---	5	3	7	6-8	
6AR8	Sect-1	1	4	10	35	7	---	3	9	6	4-5	
6AR8	Sect-2	1	4	10	35	7	---	3	8	6	4-5	
6AS5		1	3	13	7	7	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
6AS6		1	3	11	32	7	---	6	5	1	3-4	
6AS7	Triode-1	1	7	30	4	7	---	---	5	4	7-8	
6AS7	Triode-2	1	7	30	4	7	---	---	2	1	7-8	
6AS8	Pentode	1	4	15	20	7	---	1	9	2	4-5	
6AS8	Diode	3	4	0	17	7	---	---	6	---	4-5	
6AT6	Triode	1	3	13	30	7	---	---	7	1	3-4	
6AT6	Diode-1	3	3	0	26	7	---	---	6	---	3-4	
6AT6	Diode-2	3	3	0	26	7	---	---	5	---	3-4	
6AT8	Triode	1	4	12	16	7	---	---	2	1	4-5	
6AT8	Pentode	1	4	8	36	7	---	7	6	9	4-5	
6AU4		5	7	0	5	7	---	---	5	---	7-8	
6AU5		6	2	20	4	7	---	8	5	1	2-7	
6AU6		1	3	13	27	7	---	6	5	1	3-4	
6AU7	Triode-1	1	9	27	10	5	---	---	1	2	4-5-9	
6AU7	Triode-2	1	9	27	10	5	---	---	6	7	4-5-9	
6AU8	Pentode	2	4	8	24	7	---	8	9	7	4-5	
6AU8	Triode	2	4	15	25	7	---	---	3	2	4-5	
6AV5		1	2	9	6	7	---	8	5	1	2-7	
6AV6	Triode	1	3	12	32	7	---	---	7	1	3-4	
6AV6	Diode-1	3	3	0	27	7	---	---	6	---	3-4	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
6AV6	Diode-2	3	3	0	27	7	---	---	5	---	3-4	
6AW6		1	3	18	26	7	---	6	5	1	3-4	
6AW8	Triode	1	4	14	17	7	---	---	3	2	4-5	
6AW8	Pentode	1	4	8	19	7	---	8	9	7	4-5	
6AX4		2	7	0	3	7	---	---	5	---	7-8	
6AX5	Plate-1	7	2	0	4	7	---	---	5	---	2-7	
6AX5	Plate-2	7	2	0	4	7	---	---	3	---	2-7	
6AX7	Triode-1	1	9	8	38	5	---	---	6	7	4-5-9	
6AX7	Triode-2	1	9	8	38	5	---	---	1	2	4-5-9	
6AX8	Triode	1	4	29	9	7	---	---	1	9	4-5	
6AX8	Pentode	1	4	7	32	7	---	3	6	2	4-5	
6AZ5	Diode-1	3	3	0	18	7	---	---	8	---	3-6	
6AZ5	Diode-2	3	3	0	18	7	---	---	1	---	3-6	
6AZ6	Diode-1	3	3	0	18	7	---	---	2	---	3-6	
6AZ6	Diode-2	3	3	0	18	7	---	---	7	---	3-6	
6AZ8	Triode	1	4	25	10	7	---	---	8	9	4-5	
6AZ8	Pentode	1	4	10	25	7	---	2	1	6	4-5	
6B4		1	2	40	4	7	---	---	3	5	2-7	
6B6	Triode	1	2	12	37	7	---	---	3	11	2-7	
6B6	Diode-1	3	2	0	27	7	---	---	5	---	2-7	
6B6	Diode-2	3	2	0	27	7	---	---	4	---	2-7	
6B8	Triode	1	2	29	25	7	---	6	3	11	2-7	
6B8	Diode-1	3	2	0	27	7	---	---	4	---	2-7	
6B8	Diode-2	3	2	0	27	7	---	---	5	---	2-7	
6BA5		1	4	25	16	7	---	5	1	3	4-6	
6BA6		1	3	28	15	7	---	6	5	1	3-4	
6BA7	Amp	4	4	10	21	7	---	1	9	7	4-5	
6BA7	Osc	1	4	32	6	7	---	---	1	2	4-5	
6BA8	Triode	1	4	25	10	7	---	---	3	2	4-5	
6BA8	Pentode	1	4	5	22	7	---	8	9	7	4-5	
6BC4		5	4	7	15	7	3-7-8-9	---	1	2	4-5	Shall show short on 1-2-3-7-8-9. Grid short test - Depress 2-3-7-8 together. Plate short test - Depress 1-9 together.
6BC5		1	3	9	32	7	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
6BC7	Diode-1	3	4	0	16	7	---	---	8	---	4-5	
6BC7	Diode-2	3	4	0	16	7	---	---	6	---	4-5	
6BC7	Diode-3	3	4	0	16	7	---	---	2	---	4-5	
6BC8	Triode-1	5	4	13	10	7	---	---	6	7	4-5	
6BC8	Triode-2	5	4	13	10	7	---	---	1	2	4-5	
6BD4A		3	2	0	22	7	---	---	5-11	---	2-7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6BD5		1	2	18	10	7	---	8	5	1	2-7	
6BD6		1	3	27	21	7	---	6	5	1	3-4	
6BD7A	Triode	4	4	11	10	7	---	---	1	2	4-5	May show short on 7-9
6BD7A	Diode-1	3	4	0	27	7	---	---	8	---	4-5	
6BD7A	Diode-2	3	4	0	25	7	---	---	6	---	4-5	
6BE6	Amp	4	3	7	27	7	---	6	5	7	3-4	
6BE6	Osc	1	3	21	9	7	---	---	6	1	3-4	
6BE8	Triode	5	4	13	10	7	---	---	2	1	4-5	May show short on 3.
6BE8	Pentode	4	4	9	9	7	---	7	6	9	4-5	
6BF5		1	3	13	5	7	1	6	5	7	3-4	Shall show short on 1-7. Grid short test - Depress 1-7 together.
6BF6	Triode	1	3	32	10	7	---	---	7	1	3-4	
6BF6	Diode-1	3	3	0	27	7	---	---	6	---	3-4	
6BF6	Diode-2	3	3	0	27	7	---	---	5	---	3-4	
6BF7	Triode-1	5	3	9	13	7	---	---	8	7	3-6	
6BF7	Triode-2	5	3	9	13	7	---	---	1	2	3-6	
6BG6		6	2	38	4	7	---	8	11	5	2-7	
6BG7	Triode-1	5	3	9	13	7	---	---	8	7	3-6	
6BG7	Triode-2	5	3	9	13	7	---	---	1	2	3-6	
6BH6		1	3	20	27	7	---	6	5	1	3-4	
6BH8	Triode	1	4	16	11	7	---	---	3	2	4-5	
6BH8	Pentode	1	4	10	23	7	---	8	9	7	4-5	
6BJ6		1	3	17	20	7	---	6	5	1	3-4	
6BJ7	Diode-1	3	4	0	17	7	---	---	8	---	4-5	May show short on 3.
6BJ7	Diode-2	3	4	0	17	7	---	---	6	---	4-5	
6BJ7	Diode-3	3	4	0	17	7	---	---	2	---	4-5	
6BJ8	Triode	1	4	15	14	7	---	---	7	8	4-5	
6BJ8	Diode-1	3	4	0	18	7	---	---	6	---	4-5	
6BJ8	Diode-2	3	4	0	18	7	---	---	1	---	4-5	
6BK5		1	4	17	11	7	3	8	1	7	4-5	Shall show short on 3-7. Grid short test - Depress 3-7 together.
6BK6	Triode	1	3	31	11	7	---	---	7	1	3-4	
6BK6	Diode-1	3	3	0	23	7	---	---	6	---	3-4	
6BK6	Diode-2	3	3	0	23	7	---	---	5	---	3-4	
6BK7	Triode-1	5	4	12	12	7	---	---	6	7	4-5	
6BK7	Triode-2	5	4	12	12	7	---	---	1	2	4-5	
6BL4		1	7	0	5	7	1	---	5	---	7-8	May show short on 1-5.
6BL7	Triode-1	1	7	27	6	7	---	---	2	1	7-8	
6BL7	Triode-2	1	7	27	6	7	---	---	5	4	7-8	
6BL8	Triode	1	4	14	10	6	---	---	1	9	4-5	
6BL8	Pentode	1	4	23	16	6	---	3	6	2	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6BM8	Triode	1	4	31	11	7	---	---	9	1	4-5	
6BM8	Pentode	1	4	10	12	7	---	7	6	3	4-5	
6BN4		5	4	12	11	7	---	---	5	2-7	3-4	Shall show short on 1-2-6-7. Grid short test - Depress 2-7 together. Cathode short test - Depress 1-6 together.
6BN5		1	4	30	10	7	1	9	7	2	4-5	Shall show short on 1-2-6-8. Grid short test - Depress 1-2 together. Cathode short test - Depress 6-8 together.
6BN6		4	3	6	41	7	---	5	7	2-6	3-4	
6BN7	Triode-1	1	4	29	5	7	---	---	9	7	4-5	
6BN7	Triode-2	1	4	10	24	7	---	---	1	2	4-5	
6BN8	Triode	1	4	35	7	7	---	---	7	8	4-5	
6BN8	Diode-1	3	4	0	17	7	---	---	6	---	4-5	
6BN8	Diode-2	3	4	0	17	7	---	---	1	---	4-5	
6BQ5		1	4	28	7	7	1	9	7	2	4-5	Shall show short on 1-2. Grid short test - Depress 1-2 together.
6BQ6		1	2	16	5	7	---	4	11	5	2-7	
6BQ7	Triode-1	1	4	15	11	7	---	---	6	7	4-5	
6BQ7	Triode-2	1	4	15	11	7	---	---	1	2	4-5	
6BR5	Triode	1	4	19	20	7	---	---	7	1	4-5	May show short on 3-6-9.
6BR5	Eye	7	4	0	0	7	3-6	---	7-9	---	4-5	See instructions for eye test.
6BR8	Triode	1	4	15	14	7	---	---	2	1	4-5	
6BR8	Pentode	1	4	10	33	7	---	7	6	9	4-5	
6BS8	Triode-1	5	4	9	12	7	---	---	6	7	4-5	
6BS8	Triode-2	5	4	9	12	7	---	---	1	2	4-5	
6BT8	Pentode	1	4	5	33	7	---	7	6	8	4-5	
6BT8	Diode-1	3	4	0	20	7	---	---	2	---	4-5	
6BT8	Diode-2	3	4	0	20	7	---	---	1	---	4-5	
6BU6	Triode	1	3	28	11	7	---	---	7	1	3-4	
6BU6	Diode-1	3	3	0	23	7	---	---	6	---	3-4	
6BU6	Diode-2	3	3	0	23	7	---	---	5	---	3-4	
6BU8	Sect-1	4	4	10	27	7	---	2	8	7	4-5	
6BU8	Sect-2	4	4	10	27	7	---	2	3	7	4-5	
6BV8	Triode	1	4	22	10	7	---	---	3	2	4-5	
6BV8	Diode-1	3	4	0	17	7	---	---	9	---	4-5	
6BV8	Diode-2	3	4	0	17	7	---	---	6	---	4-5	
6BW4	Plate-1	2	4	0	7	7	---	---	7	---	4-5	
6BW4	Plate-2	2	4	0	7	7	---	---	1	---	4-5	
6BW8	Pentode	2	4	5	37	7	---	8	9	6	4-5	May show short on 7.
6BW8	Diode-1	3	4	0	16	7	---	---	3	---	4-5	
6BW8	Diode-2	3	4	0	16	7	---	---	1	---	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
6BX6		1	4	8	29	7	3	8	7	2	4-5	Shall show short on 1-3. Cathode short test - Depress 1-3 together.
6BX7	Triode-1	2	7	12	10	7	---	---	2	1	7-8	
6BX7	Triode-2	2	7	12	10	7	---	---	5	4	7-8	
6BX8	Triode-1	1	4	20	8	7	---	---	6	7	4-5	
6BX8	Triode-2	1	4	20	8	7	---	---	1	2	4-5	
6BY5	Plate-1	2	2	0	3	7	---	---	5	---	2-7	
6BY5	Plate-2	2	2	0	3	7	---	---	4	---	2-7	
6BY6	Sect-1	1	3	18	10	7	---	---	6	1	3-4	
6BY6	Sect-2	4	3	6	25	7	---	6	5	7	3-4	
6BY7		4	4	5	10	7	3	8	7	2	4-5	Shall show short on 1-3. Cathode short test - Depress 1-3 together.
6BY8	Pentode	1	4	27	16	7	---	8	7	1	4-5	
6BY8	Diode	3	4	0	17	7	---	---	6	---	4-5	
6BZ6		1	3	8	30	7	---	6	5	1	3-4	
6BZ7	Triode-1	5	4	13	10	7	---	---	6	7	4-5	
6BZ7	Triode-2	5	4	16	10	7	---	---	1	2	4-5	
6BZ8	Triode-1	1	4	14	13	7	---	---	1	2	4-5	
6BZ8	Triode-2	1	4	14	13	7	---	---	6	7	4-5	
6C4		1	3	25	11	7	1	---	5	6	3-4	Shall show short on 1-5. Plate short test - Depress 1-5 together.
6C5		1	2	15	18	7	---	---	3	5	2-7	
6C8	Triode-1	1	2	31	11	7	---	---	3	11	2-7	
6C8	Triode-2	1	2	31	11	7	---	---	6	5	2-7	
6CA4	Plate-1	2	4	0	1	7	---	---	1	---	4-5	
6CA4	Plate-2	2	4	0	1	7	---	---	7	---	4-5	
6CA5		1	3	14	7	7	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
6CA7		1	2	15	7	7	---	4	3	5	2-7	
6CB5		1	2	5	6	7	1-4	8	11	5	2-7	Shall show short on 1-3-4-5-6-8. Grid short test - Depress 4-5 together. Screen short test - Depress 1-8 together. Cathode short test - Depress 3-6 together.
6CB6		1	3	8	30	7	---	6	5	1	3-4	
6CD6		1	2	0	5	7	---	8	11	5	2-7	
6CD7	Eye	7	2	0	0	7	---	---	3-6-5	---	2-7	See instructions for eye test.
6CE5		1	3	9	30	7	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
6CF6		1	3	7	30	7	---	6	5	1	3-4	
6CG7	Triode-1	1	4	15	16	7	---	---	6	7	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6CG7	Triode-2	1	4	15	16	7	---	---	1	2	4-5	
6CG8	Triode	1	4	18	12	7	---	---	2	1	4-5	
6CG8	Pentode	1	4	25	28	7	---	7	6	9	4-5	
6CH6		1	4	20	12	7	---	8	7	2	4-5	
6CH7	Triode-1	5	4	11	15	7	---	---	6	7	4-5	
6CH7	Triode-2	5	4	10	15	7	---	---	1	2	4-5	
6CH8	Triode	5	4	8	15	7	---	---	9	8	4-5	
6CH8	Pentode	1	4	14	21	7	---	3	2	7	4-5	
6CK4		2	2	16	11	7	1	---	5	3	2-7	Shall show short on 1-3. Grid short test - Depress 1-3 together.
6CL5		2	2	10	5	7	1-4	8	11	5	2-7	Shall show short on 1-3-4-5-6-8. Grid short test - Depress 4-5 together. Screen short test - Depress 1-8 together. Cathode short test - Depress 3-6 together.
6CL6		1	4	21	10	7	2-3	8	6	9	4-5	Shall show short on 2-3-8-9. Screen short test - Depress 3-8 together. Grid short test - Depress 2-9 together.
6CL8	Triode	1	4	32	7	7	---	---	2	1	4-5	
6CL8	Tetrode	1	4	25	17	7	---	7	6	9	4-5	
6CM6		1	4	17	13	7	3	1	9	6	4-5	Shall show short on 3-6. Grid short test - Depress 3-6 together.
6CM7	Triode-1	1	4	16	16	7	---	---	6	7	4-5	
6CM7	Triode-2	1	4	22	9	7	---	---	1	8	4-5	
6CM8	Triode	1	4	14	31	7	---	---	1	9	4-5	
6CM8	Pentode	1	4	9	26	7	---	7	6	2	4-5	
6CN6		1	2	13	10	6	---	4	11	5	2-7	
6CN7	Triode	1	9	9	39	5	---	---	8	7	4-5-9	
6CN7	Diode-1	3	9	0	17	5	---	---	2	---	4-5-9	
6CN7	Diode-2	3	9	0	17	5	---	---	1	---	4-5-9	
6CQ4		3	7	0	16	7	---	---	5	---	7-8	
6CQ6		4	3	14	10	7	---	7	5	1	3-4	
6CQ8	Triode	1	4	28	9	7	---	---	1	9	4-5	
6CQ8	Tetrode	1	4	27	18	7	---	3	6	2	4-5	
6CR6	Pentode	1	3	24	22	7	---	6	5	7	3-4	
6CR6	Diode	3	3	0	24	7	---	---	2	---	3-4	
6CS6	Amp	4	3	7	28	7	---	6	5	7	3-4	
6CS6	Osc	1	3	22	10	7	---	---	6	1	3-4	
6CS7	Triode-1	1	4	25	19	7	---	---	1	3	4-5	
6CS7	Triode-2	1	4	23	14	7	---	---	6	7	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6CU5		1	3	10	7	7	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
6CU6		1	2	12	5	7	---	4	11	5	2-7	
6CU7	Triode	1	1	30	10	7	---	---	3	4	1-8	
6CU7	Hexode	1	1	5	38	7	---	5	2	6	1-8	
6CU8	Pentode	1	4	7	27	7	---	3	2	7	4-5	
6CU8	Triode	1	4	23	10	7	---	---	9	8	4-5	May show short on 1-6.
6CV7	Triode	4	1	13	10	7	---	---	2	3	1-8	
6CV7	Diode-1	3	1	0	22	7	---	---	5	---	1-8	
6CV7	Diode-2	3	1	0	22	7	---	---	6	---	1-8	
6CW5		1	4	0	10	6	1-6-8	9	7	2	4-5	May show short on 1-2-6-7-8-9. Grid short test - Depress 1-2 together. Plate short test - Depress 7-8 together. Screen short test - Depress 6-9 together.
6CW7	Triode-1	5	4	9	10	7	---	---	9	6	4-5	Shall show short on 7-8. Cathode short test, Section 1 - Depress 7-8 together.
6CW7	Triode-2	5	4	9	10	7	---	---	3	2	4-5	
6CX8	Triode	1	4	28	11	7	---	---	3	2	4-5	
6CX8	Pentode	1	4	18	11	7	---	8	9	7	4-5	
6CY5		2	3	11	20	7	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
6CY7	Triode-1	2	4	20	30	7	---	---	6	7	4-5	May show short on 2-3.
6CY7	Triode-2	2	4	20	5	7	2	---	1	3	4-5	
6CZ5		1	4	25	10	7	3	1	9	6	4-5	Shall show short on 3-6. Grid short test - Depress 3-6 together.
6D4		7	3	0	4	7	---	---	7	---	3-4	
6D5		1	2	38	6	7	---	---	3	5	2-7	
6D8	Amp	4	2	40	20	7	---	4	3	11	2-7	
6D8	Osc	1	2	30	33	7	---	---	6	5	2-7	
6DA4		5	7	0	6	7	---	---	5	---	7-8	
6DA5	Triode	1	4	34	24	7	---	---	7	1	4-5	Shall show short on 3-8-9.
6DA5	Eye	7	4	0	0	7	3-8	---	7-9	---	4-5	See instructions for eye test.
6DA6		1	4	8	28	7	---	8	7	2	4-5	May show short on 1-6.
6DB5		1	4	10	9	7	3	1	9	6	4-5	Shall show short on 2-3-6-7. Grid short test - Depress 3-6 together. Cathode short test - Depress 2-7 together.
6DB6		1	3	6	41	7	---	6	5	1	3-4	
6DC6		1	3	8	28	7	---	6	5	1	3-4	
6DC8	Pentode	1	4	27	17	7	---	1	6	2	4-5	
6DC8	Diode-1	3	4	0	11	7	---	---	7	---	4-5	Diode section OK above 1/4 on meter scale.

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
6DC8	Diode-2	3	4	0	11	7	---	---	8	---	4-5	Diode section OK above 1/4 on meter scale.
6DE4		1	7	0	4	6	---	---	5	---	7-8	
6DE6		1	3	4	30	7	---	6	5	1	3-4	
6DE7	Triode-1	1	4	20	14	7	---	---	6	7	4-5	Shall show short on 2-3. Grid short test - Depress 2-3 together.
6DE7	Triode-2	2	4	17	6	7	3	---	1	2	4-5	
6DG6		1	2	9	7	7	---	4	3	5	2-7	
6DJ8	Triode-1	1	4	6	12	7	---	---	6	7	4-5	
6DJ8	Triode-2	1	4	6	12	7	---	---	1	2	4-5	
6DK6		1	3	6	29	7	---	6	5	1	3-4	
6DL5		1	3	25	10	7	1	6	5	7	3-4	May show short on 1-7. Grid short test - Depress 1-7 together.
6DN6		1	2	0	6	7	---	8	11	5	2-7	
6DN7	Triode-1	1	7	32	11	7	---	---	5	4	7-8	
6DN7	Triode-2	1	7	16	10	7	---	---	2	1	7-8	
6DQ5		1	2	0	5	7	1-4	8	11	5	2-7	Shall show short on 1-3-4-5-6-8. Grid short test - Depress 1-5 together. Screen short test - Depress 4-8 together. Cathode short test - Depress 3-6 together.
6DQ6		1	2	8	4	7	---	4	11	5	2-7	
6DR7	Triode-1	1	4	37	10	7	---	---	6	7	4-5	Shall show short on 2-3. Grid short test - Depress 2-3 together.
6DR7	Triode-2	1	4	0	7	7	2	---	1	3	4-5	
6DR8	Pentode	1	4	20	19	7	---	1	6	2	4-5	
6DR8	Diode-1	3	4	0	21	7	---	---	7	---	4-5	
6DR8	Diode-2	3	4	0	21	7	---	---	8	---	4-5	
6DS5		1	3	13	14	7	1	6	5	7	3-4	Shall show short on 1-7. Grid short test - Depress 1-7 together.
6DS8	Amp	1	4	17	29	7	---	1	6	2	4-5	
6DS8	Osc	3	4	10	23	7	---	---	1	2	4-5	
6DS8	Triode	1	4	27	10	7	---	---	8	9	4-5	
6DT5		1	4	13	11	7	3	1	9	6	4-5	Shall show short on 3-6. Grid short test - Depress 3-6 together.
6DT6		1	3	18	29	7	---	6	5	1-7	3-4	
6DT8	Triode-1	1	4	26	13	7	---	---	6	7	4-5	
6DT8	Triode-2	1	4	26	13	7	---	---	1	2	4-5	
6DW5		2	4	0	10	7	3	1	9	6	4-5	Shall show short on 3-6. Grid short test - Depress 3-6 together.
6DY7	Pent-1	2	2	18	10	7	---	4	6	5	2-7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6DY7	Pent-2	2	2	18	10	7	---	4	3	1	2-7	
6DZ7	Pent-1	1	2	17	10	7	---	4	6	5	2-7	
6DZ7	Pent-2	1	2	15	10	7	---	4	3	1	2-7	
6E5	Triode	1	1	25	24	7	---	---	2	3	1-6	
6E5	Eye	1	1	0	0	7	---	---	2-4	---	1-6	See instructions for eye test.
6EA5		1	3	27	10	7	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
6EA7	Triode-1	1	7	31	10	7	---	---	5	4	7-8	
6EA7	Triode-2	2	7	0	9	7	---	---	2	1	7-8	
6EA8	Pentode	1	4	20	23	7	---	3	6	2	4-5	
6EA8	Triode	1	4	18	11	7	---	---	1	9	4-5	
6EB5	Diode-1	3	3	0	19	7	---	---	7	---	3-4	
6EB5	Diode-2	3	3	0	19	7	---	---	2	---	3-4	
6EB8	Triode	2	4	38	10	7	---	---	3	2	4-5	
6EB8	Pentode	2	4	7	16	7	---	8	9	7	4-5	
6EH5		2	3	9	12	7	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
6EH8	Pentode	2	4	8	45	7	---	8	9	7	4-5	Shall show short on 1-6. Cathode short test - Depress 1-6 together.
6EH8	Triode	2	4	32	11	7	---	---	3	2	4-5	
6EM5		1	4	16	11	7	3	1	9	6	4-5	Shall show short on 3-6. Grid short test - Depress 3-6 together.
6EM7	Triode-1	4	7	12	10	7	---	---	5	4	7-8	
6EM7	Triode-2	2	7	0	8	7	---	---	2	1	7-8	
6EQ7	Diode	3	4	0	28	7	---	---	8	---	4-5	
6EQ7	Pentode	4	4	10	10	7	---	6	7	2	4-5	
6ER5		1	3	17	10	7	---	6	5	2	3-4	Shall show short on 1-7. Cathode short test - Depress 1-7 together.
6ES5		1	3	20	10	7	---	6	5	2	3-4	Shall show short on 1-7. Cathode short test - Depress 1-7 together.
6ES6		5	3	0	9	7	---	6	5	1	3-4	
6ES8	Triode-1	2	4	12	10	7	---	---	6	7	4-5	
6ES8	Triode-2	2	4	13	10	7	---	---	1	2	4-5	
6ET6		5	3	0	9	6	---	6	5	1	3-4	
6EU7	Triode-1	4	1	14	10	7	---	---	7	8	1-2	
6EU7	Triode-2	4	1	15	10	7	---	---	6	5	1-2	
6EU8	Triode	1	4	22	10	7	---	---	3	2	4-5	
6EU8	Pentode	4	4	8	10	7	---	9	1	7	4-5	
6EV5		3	3	5	19	7	---	6	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
6EV7	Triode-1	1	4	28	10	7	---	---	6	7	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6EV7	Triode-2	1	4	28	10	7	---	---	1	2	4-5	
6EW6		1	3	19	21	7	---	6	5	1	3-4	
6EW7	Sect-1	5	4	17	10	7	---	---	6	7	4-5	Shall show short on 2-3.
6EW7	Sect-2	2	4	1	10	7	3	---	1	2	4-5	Grid short test, Sect 2 - Depress 2-3 together.
6EY6		1	2	30	10	7	---	4	3	5	2-7	
6EZ5		1	2	27	10	7	---	4	3	5	2-7	
6EZ8	Triode-1	1	4	33	10	7	---	---	8	9	5?	
6EZ8	Triode-2	1	4	33	10	7	---	---	6	7	5?	
6EZ8	Triode-3	1	4	31	10	7	---	---	3	2	5?	
6F4		1	1	35	5	7	2-7	---	3	8	1-4	Shall show short on 2-3-7-8 individually. Plate short test - Depress 2-3 together. Grid short test - Depress 7-8 together.
6F5		1	2	12	33	7	---	---	4	11	2-7	
6F6		1	2	32	10	7	---	4	3	5	2-7	
6FA7	Diode	3	4	0	27	7	---	---	3	---	4-5	
6FA7	Tetrode	5	4	11	17	7	---	8	1-9	7	4-5	
6FG5		4	3	14	32	7	---	---	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
6FG6	Triode	1	4	45	36	7	---	---	9	1	4-5	Shall show short on 2-6-8.
6FG6	Eye	4	4	0	0	7	2-8	---	7-6	---	4-5	See instructions for eye test.
6FG7	Triode	1	4	24	10	7	---	---	2	1	4-5	Shall show short on 3-8. Cathode short test - Depress 3-8 together.
6FG7	Pentode	1	4	17	21	7	---	7	6	9	4-5	
6FH5		1	3	21	10	7	---	---	5	2	3-4	Shall show short on 1-7. Cathode short test - Depress 1-7 together.
6FH6		1	2	0	7	7	---	4	11	5	2-7	
6FH8	Triode	1	5	27	10	7	---	---	3	2	4-5	
6FH8	Tetrode-1	4	5	15	10	7	---	7	9	6	4-5	
6FH8	Tetrode-2	4	5	18	19	7	---	7	8	6	4-5	
6FH8	Tetrode-3	4	5	18	18	7	---	7	1	6	4-5	
6FM8	Triode	1	4	31	10	7	---	---	9	8	4-5	
6FM8	Diode-1	3	4	0	16	7	---	---	2	---	4-5	
6FM8	Diode-2	3	4	0	16	7	---	---	6	---	4-5	
6FS5		4	3	20	33	7	---	---	5	1	3-4	Shall show short on 2-7. Cathode short test - Depress 2-7 together.
6FV6		1	3	25	10	7	---	6	5	1	3-4	
6FV8	Triode	1	4	18	10	7	---	---	2	1	4-5	
6FV8	Pentode	4	4	6	10	7	---	7	6	9	4-5	
6FW5		1	2	5	5	7	---	8	5	1	2-7	
6FW8	Triode-1	2	4	15	10	7	---	---	6	7	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6FW8	Triode-2	2	4	16	10	7	---	---	1	2	4-5	
6FY5		1	3	13	10	7	---	---	5	2	3-4	Shall show short on 1-7. Cathode short test - Depress 1-7 together.
6FY8	Triode	2	4	27	12	7	---	---	9	1	4-5	
6FY8	Pentode	2	4	0	10	7	---	7	6	3	4-5	
6G5	Triode	1	1	19	27	7	---	---	2	3	1-6	
6G5	Eye	1	1	0	0	7	---	---	2-4	---	1-6	See instructions for eye test.
6G6		1	2	32	10	7	---	4	3	5	2-7	
6G7-S	Pentode	1	1	32	12	7	---	3	2	11	1-7	Shall show short on 3.
6G7-S	Rect-1	2	1	0	5	7	---	---	6	---	1-7	
6G7-S	Rect-2	2	1	0	5	7	---	---	4	---	1-7	
6GC6		1	2	0	5	7	4	8	11	5	2-7	Shall show short on 4-8. Screen short test - Depress 4-8 together.
6GE8	Triode	1	4	0	6	7	---	---	6	3	4-5	
6GE8	Pentode	1	4	24	31	7	---	1	9	8	4-5	
6GH8	Triode	1	4	25	10	7	---	---	1	9	4-5	
6GH8	Pentode	1	4	18	21	7	---	3	6	2	4-5	
6GK6		1	4	21	10	7	---	8	7	2	4-5	Shall show short on 3-9. Suppressor short test - Depress 3-9 together.
6GM6		4	3	4	10	7	---	6	5	1	3-4	
6GN8	Triode	5	5	9	10	7	---	---	3	2	4-5	
6GN8	Pentode	1	4	18	10	7	---	8	9	7	4-5	
6H4		3	2	0	18	7	---	---	4	---	2-7	
6H5	Triode	1	1	14	27	7	---	---	2	3	1-6	
6H5	Eye	1	1	0	0	7	---	---	2-4	---	1-6	See instructions for eye test.
6H6	Diode-1	3	2	0	18	7	---	---	5	---	2-7	
6H6	Diode-2	3	2	0	18	7	---	---	3	---	2-7	
6J4		1	3	33	6	7	1-5	---	7	6	3-4	Shall show short on 1-5-6. Grid short test - Depress 1-5-6 together.
6J5		1	2	15	15	7	---	---	3	5	2-7	
6J6	Triode-1	1	3	16	13	7	---	---	2	5	3-4	
6J6	Triode-2	1	3	16	13	7	---	---	1	6	3-4	
6J7		1	2	28	20	7	---	4	3	11	2-7	
6J8	Triode	1	2	20	18	7	---	---	6	5	2-7	
6J8	Heptode	4	2	8	25	7	---	4	3	11	2-7	
6K5		1	2	11	30	7	---	---	3	11	2-7	
6K6		1	2	31	11	7	---	4	3	5	2-7	
6K7		1	2	15	32	7	---	4	3	11	2-7	
6K8	Triode	1	2	28	18	7	---	---	6	5	2-7	
6K8	Heptode	4	2	15	32	7	---	4	3	11	2-7	
6L5		1	2	16	16	7	---	---	3	5	2-7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6L6		1	2	24	9	7	---	4	3	5	2-7	
6L7	Amp	4	2	10	29	7	---	4	3	5	2-7	
6L7	Osc	3	2	12	25	7	---	---	4	11	2-7	
6M3		5	8	0	6	7	1-5-7	---	3	---	2-8	Shall show short on 1-3-5-7. Plate short test - Depress 3-5-7 together.
6N4		1	3	25	8	7	1	---	5	7	3-4	Shall show short on 1-2-6-7. Grid short test - Depress 1-7 together. Cathode short test - Depress 2-6 together.
6N5	Triode	1	1	6	24	7	---	---	2	3	1-6	
6N5	Eye	1	1	0	0	7	---	---	2-4	---	1-6	See instructions for eye test.
6N8	Pentode	1	4	14	31	7	---	1	6	2	4-5	
6N8	Diode-1	3	4	0	23	7	---	---	7	---	4-5	
6N8	Diode-2	3	4	0	23	7	---	---	8	---	4-5	
6Q4		1	1	35	5	7	2-7	---	3	8	1-4	Shall show short on 2-3-7-8 individually. Plate short test - Depress 2-3 together. Grid short test - Depress 7-8 together.
6Q7	Triode	1	2	13	33	7	---	---	3	11	2-7	
6Q7	Diode-1	3	2	0	27	7	---	---	4	---	2-7	
6Q7	Diode-2	3	2	0	27	7	---	---	5	---	2-7	
6R6		1	2	15	33	7	---	3	5	11	2-7	
6R7	Triode	1	2	18	15	7	---	---	3	11	2-7	
6R7	Diode-1	3	2	0	27	7	---	---	4	---	2-7	
6R7	Diode-2	3	2	0	27	7	---	---	5	---	2-7	
6R8	Triode	1	4	24	14	7	---	---	9	8	4-5	
6R8	Diode-1	3	4	0	16	7	---	---	2	---	4-5	
6R8	Diode-2	3	4	0	16	7	---	---	1	---	4-5	
6R8	Diode-3	3	4	0	16	7	---	---	6	---	4-5	
6S2	*	7	2	0	14	7	5-8 *	---	11	---	**	* CAUTION - Levers 5-8 shall be thrown to position "W" before inserting tube and shall remain in position "W" throughout all tests, including short tests. ** Shall show short on 1 2-4-6-9.
6S4		1	4	28	8	7	1-3-7-8	---	9	6	4-5	May show short on 1-3-6-7-8.
6S7		1	2	26	20	7	---	4	3	11	2-7	
6S8	Triode	1	7	12	37	7	---	---	6	11	7-8	May show short on 2.
6S8	Diode-1	3	7	0	27	7	---	---	3	---	7-8	
6S8	Diode-2	3	7	0	27	7	---	---	4	---	7-8	
6S8	Diode-3	3	7	0	27	7	---	---	1	---	7-8	
6SA7	Amp	4	2	11	28	7	---	4	3	8	2-7	
6SA7	Osc	1	2	24	9	7	---	---	4	5	2-7	
6SB7Y	Amp	4	2	9	20	7	---	4	3	8	2-7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6SB7Y	Osc	1	2	37	6	7	---	---	4	5		
6SC7	Triode-1	1	7	24	27	7	---	---	5	4	7-8	
6SC7	Triode-2	1	7	24	27	7	---	---	2	3	7-8	
6SD7		1	2	12	27	7	---	6	8	4	2-7	
6SF5		1	7	12	32	7	---	---	5	3	7-8	
6SF7	Pentode	1	7	28	18	7	---	4	6	2	7-8	
6SF7	Diode	3	7	0	27	7	---	---	5	---	7-8	
6SG7		1	2	10	29	7	---	6	8	4	2-7	Shall show short on 3-5. Cathode short test - Depress 3-5 together.
6SH7		1	2	14	27	7	---	6	8	4	2-7	Shall show short on 3-5. Cathode short test - Depress 3-5 together.
6SJ7		1	2	27	18	7	---	6	8	4	2-7	
6SK7		1	2	25	20	7	---	6	8	4	2-7	
6SL7	Triode-1	1	7	15	30	7	---	---	2	1	7-8	
6SL7	Triode-2	1	7	15	30	7	---	---	5	4	7-8	
6SN7	Triode-1	1	7	27	10	7	---	---	2	1	7-8	
6SN7	Triode-2	1	7	27	10	7	---	---	5	4	7-8	
6SQ7	Triode	1	7	14	35	7	---	---	6	2	7-8	
6SQ7	Diode-1	3	7	0	27	7	---	---	5	---	7-8	
6SQ7	Diode-2	3	7	0	27	7	---	---	4	---	7-8	
6SR7	Triode	1	7	18	15	7	---	---	6	2	7-8	
6SR7	Diode-1	3	7	0	27	7	---	---	5	---	7-8	
6SR7	Diode-2	3	7	0	27	7	---	---	4	---	7-8	
6SS7		1	2	13	30	7	---	6	8	4	2-7	
6ST7	Triode	1	7	21	15	7	---	---	6	2	7-8	
6ST7	Diode-1	3	7	0	27	7	---	---	5	---	7-8	
6ST7	Diode-2	3	7	0	27	7	---	---	4	---	7-8	
6SU7	Triode-1	1	7	14	30	7	---	---	2	1	7-8	
6SU7	Triode-2	1	7	14	30	7	---	---	5	4	7-8	
6SV7	Pentode	1	7	12	29	7	---	4	6	2	7-8	
6SV7	Diode	3	7	0	18	7	---	---	5	---	7-8	
6SZ7	Triode	1	7	14	30	7	---	---	6	2	7-8	
6SZ7	Diode-1	3	7	0	27	7	---	---	5	---	7-8	
6SZ7	Diode-2	3	7	0	27	7	---	---	4	---	7-8	
6T4		2	3	23	11	7	1-2	---	7	6	3-4	Shall show short on 1-2-6-7. Plate short test - Depress 1-7 together. Grid short test - Depress 2-6 together.
6T5	Triode	1	1	19	27	7	---	---	2	3	1-6	
6T5	Eye	1	1	0	0	7	---	---	2-4	---	1-6	See instructions for eye test.
6T7	Triode	1	2	20	29	7	---	---	3	11	2-7	
6T7	Diode-1	3	2	0	27	7	---	---	5	---	2-7	

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		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6T7	Diode-2	3	2	0	27	7	---	---	4	---	2-7	
6T8	Triode	1	4	9	38	7	---	---	9	8	4-5	
6T8	Diode-1	3	4	0	16	7	---	---	6	---	4-5	
6T8	Diode-2	3	4	0	16	7	---	---	2	---	4-5	
6T8	Diode-3	3	4	0	16	7	---	---	1	---	4-5	
6U4		1	7	0	4	7	---	---	5	---	7-8	
6U5	Triode	1	1	19	27	7	---	---	2	3	1-6	
6U5	Eye	1	1	0	0	7	---	---	2-4	---	1-6	See instructions for eye test.
6U6		1	2	13	7	7	---	4	3	5	2-7	
6U7		1	2	27	19	7	---	4	3	11	2-7	
6U8	Triode	1	4	28	8	7	---	---	1	9	4-5	
6U8	Pentode	1	4	14	29	7	---	3	6	2	4-5	
6V3		5	4	0	5	7	2-7	---	9	---	4-5	Shall show short on 2-7-9. Plate short test - Depress 2-7-9 together.
6V4	Plate-1	2	4	0	4	7	---	---	1	---	4-5	
6V4	Plate-2	2	4	0	4	7	---	---	7	---	4-5	
6V6		1	2	31	9	7	---	4	3	5	2-7	
6V7	Triode	1	2	25	12	7	---	---	3	11	2-7	
6V7	Diode-1	3	2	0	26	7	---	---	4	---	2-7	
6V7	Diode-2	3	2	0	26	7	---	---	5	---	2-7	
6V8	Triode	5	4	4	40	7	---	---	1	6	4-5	
6V8	Diode-1	3	4	0	24	7	---	---	9	---	4-5	
6V8	Diode-2	3	4	0	16	7	---	---	7	---	4-5	
6V8	Diode-3	3	4	0	16	7	---	---	2	---	4-5	
6W4		1	7	0	4	6	---	---	5	---	7-8	Allow sufficient heater warm up time.
6W5	Plate-1	2	2	0	2	7	---	---	3	---	2-7	
6W5	Plate-2	2	2	0	2	7	---	---	5	---	2-7	
6W6		1	2	10	5	7	---	4	3	5	2-7	
6W7		1	2	18	28	7	---	4	3	11	2-7	
6X2		1	2	0	21	7	---	---	11	---	1-2	Connect two bottom leads to contacts 1 and 2 of octal socket. Top lead connect to grid cap.
6X4	Plate-1	2	3	0	3	7	---	---	1	---	3-4	
6X4	Plate-2	2	3	0	3	7	---	---	6	---	3-4	
6X5	Plate-1	2	2	0	3	7	---	---	3	---	2-7	
6X5	Plate-2	2	2	0	3	7	---	---	5	---	2-7	
6X8	Triode	1	4	12	14	7	---	---	3	1	4-5	
6X8	Pentode	1	4	10	33	7	---	8	9	7	4-5	
6Y5-S-V	Plate-1	2	1	0	3	7	---	---	3	---	1-6	
6Y5-S-V	Plate-2	2	1	0	3	7	---	---	5	---	1-6	
6Y6		1	2	14	6	7	---	4	3	5	2-7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
6Y7	Triode-1	1	2	33	9	7	---	---	3	4	2-7	
6Y7	Triode-2	1	2	33	9	7	---	---	6	5	2-7	
6Z3		2	1	0	3	7	---	---	2	---	1-4	
6Z4	Plate-1	2	1	0	4	7	---	---	2	---	1-5	
6Z4	Plate-2	2	1	0	4	7	---	---	3	---	1-5	
6Z5	Plate-1	2	1	0	3	7	---	---	3	---	1-2-6	
6Z5	Plate-2	2	1	0	3	7	---	---	5	---	1-2-6	
6Z6	Plate-1	3	2	0	4	7	---	---	3	---	2-7	
6Z6	Plate-2	3	2	0	4	7	---	---	5	---	2-7	
6Z7	Triode-1	1	2	33	11	7	---	---	3	4	2-7	
6Z7	Triode-2	1	2	33	11	7	---	---	6	5	2-7	
6ZY5	Plate-1	2	2	0	4	7	---	---	3	---	2-7	
6ZY5	Plate-2	2	2	0	4	7	---	---	5	---	2-7	
7A4		1	1	27	10	7	---	---	2	6	1-8	
7A5		1	1	12	8	7	---	3	2	6	1-8	
7A6	Diode-1	3	1	0	19	7	---	---	3	---	1-8	
7A6	Diode-2	3	1	0	19	7	---	---	6	---	1-8	
7A7		1	1	25	20	7	---	3	2	6	1-8	
7A8	Amp	4	1	40	20	7	---	5	2	6	1-8	
7A8	Osc	1	1	26	47	7	---	---	3	4	1-8	
7AD7		1	1	8	21	7	---	3	2	6	1-8	
7AF7	Triode-1	1	1	15	15	7	---	---	3	4	1-8	
7AF7	Triode-2	1	1	15	15	7	---	---	6	5	1-8	
7AG7		1	1	17	26	7	---	3	2	6	1-8	
7AH7		1	1	19	25	7	---	3	2	6	1-8	
7AJ7		1	1	11	30	7	---	3	2	6	1-8	
7AK7		1	1	5	19	7	---	3	2	6	1-8	
7AN7	Triode-1	5	4	10	10	8	---	---	9	6	4-5	Shall show short on 7-8. Cathode short test, Section 1 - Depress 7-8 together.
7AN7	Triode-2	5	4	10	10	8	---	---	3	2	4-5	
7AU7	Triode-1	1	9	27	10	5	---	---	1	2	4-5-9	
7AU7	Triode-2	1	9	27	10	5	---	---	6	7	4-5-9	
7B4		1	1	12	33	7	---	---	2	6	1-8	
7B5		1	1	31	11	7	---	3	2	6	1-8	
7B6	Triode	1	1	14	35	7	---	---	2	3	1-8	Shall show short on 4-7. Cathode short test - Depress 4-7 together.
7B6	Diode-1	3	1	0	27	7	---	---	5	---	1-8	
7B6	Diode-2	3	1	0	27	7	---	---	6	---	1-8	
7B7		1	1	27	20	7	---	3	2	6	1-8	
7B8	Amp	4	1	29	24	7	---	5	2	6	1-8	
7B8	Osc	1	1	29	30	7	---	---	3	4	1-8	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
7C4		3	1	0	21	7	---	---	4	---	1-8	
7C5		1	1	31	9	7	---	3	2	6	1-8	
7C6	Triode	1	1	22	33	7	---	---	2	3	1-8	Shall show short on 4-7. Cathode short test - Depress 4-7 together.
7C6	Diode-1	3	1	0	26	7	---	---	5	---	1-8	
7C6	Diode-2	3	1	0	26	7	---	---	6	---	1-8	
7C7		1	1	25	22	7	---	3	2	6	1-8	
7DJ8	Triode-1	2	4	12	10	7	---	---	6	7	4-5	
7DJ8	Triode-2	2	4	12	10	7	---	---	1	2	4-5	
7E5		1	2	36	7	7	3-5	---	7	1	2-8	Shall show short on 1-3-4-5-6-7 individually. Plate short test - Depress 3-7 together. Grid short test - Depress 1-5 together. Cathode short test - Depress both 4-6.
7E6	Triode	1	1	18	15	7	---	---	2	3	1-8	Shall show short on 4-7. Cathode short test - Depress 4-7 together.
7E6	Diode-1	3	1	0	27	7	---	---	5	---	1-8	
7E6	Diode-2	3	1	0	27	7	---	---	6	---	1-8	
7E7	Pentode	1	1	26	25	7	---	5	2	6	1-8	
7E7	Diode-1	3	1	0	27	7	---	---	3	---	1-8	
7E7	Diode-2	3	1	0	27	7	---	---	4	---	1-8	
7ES8	Triode-1	2	4	12	10	8	---	---	6	7	4-5	
7ES8	Triode-2	2	4	13	10	8	---	---	1	2	4-5	
7EY6		1	2	30	10	8	---	4	3	5	2-7	
7F7	Triode-1	1	1	16	30	7	---	---	3	4	1-8	
7F7	Triode-2	1	1	16	30	7	---	---	6	5	1-8	
7F8	Triode-1	1	2	13	14	7	---	---	3	1	2-7	
7F8	Triode-2	1	2	13	14	7	---	---	6	8	2-7	
7G7		1	1	11	23	7	---	3	2	6	1-8	
7G8	Sect-1	1	1	27	14	7	---	3	7	5	1-8	
7G8	Sect-2	1	1	27	14	7	---	3	2	4	1-8	
7H7		1	1	18	22	7	---	3	2	6	1-8	
7J7	Hexode	1	1	22	34	7	---	5	2	6	1-8	
7J7	Triode	1	1	22	19	7	---	---	3	4	1-8	
7K7	Triode	1	1	16	30	7	---	---	3	4	1-8	
7K7	Diode-1	3	1	0	27	7	---	---	5	---	1-8	
7K7	Diode-2	3	1	0	27	7	---	---	6	---	1-8	
7L7		1	1	12	30	7	---	3	2	6	1-8	
7N7	Triode-1	1	1	27	10	7	---	---	3	4	1-8	
7N7	Triode-2	1	1	27	10	7	---	---	6	5	1-8	
7Q7	Amp	4	1	8	29	7	---	3	2	6	1-8	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
7Q7	Osc	1	1	21	9	7	---	---	3	4	1-8	
7R7	Pentode	1	1	17	26	7	---	5	2	6	1-8	
7R7	Diode-1	3	1	0	26	7	---	---	3	---	1-8	
7R7	Diode-2	3	1	0	26	7	---	---	4	---	1-8	
7S7	Heptode	1	1	13	34	7	---	5	2	6	1-8	
7S7	Triode	1	1	28	14	7	---	---	3	4	1-8	
7T7		1	1	14	27	7	---	3	2	6	1-8	
7V7		1	1	12	24	7	---	3	2	6	1-8	
7W7		1	1	12	24	7	---	3	2	6	1-8	Shall show short on 4-7. Cathode short test - Depress 4-7 together.
7X6	Plate-1	1	1	0	5	7	---	---	3	---	1-8	
7X6	Plate-2	1	1	0	5	7	---	---	6	---	1-8	
7X7	Triode	1	1	13	45	7	---	---	2	3	1-8	
7X7	Diode-1	3	1	0	26	7	---	---	5	---	1-8	
7X7	Diode-2	3	1	0	26	7	---	---	6	---	1-8	
7Y4	Plate-1	2	1	0	4	7	---	---	3	---	1-8	
7Y4	Plate-2	2	1	0	4	7	---	---	6	---	1-8	
7Z4	Plate-1	2	1	0	7	7	---	---	3	---	1-8	
7Z4	Plate-2	2	1	0	7	7	---	---	6	---	1-8	
8AU8	Triode	1	4	14	16	8	---	---	3	2	4-5	
8AU8	Pentode	1	4	9	23	8	---	8	9	7	4-5	
8AW8	Triode	1	4	14	17	8	---	---	3	2	4-5	
8AW8	Pentode	1	4	8	19	8	---	8	9	7	4-5	
8BA8	Triode	1	4	25	10	8	---	---	3	2	4-5	
8BA8	Pentode	1	4	5	22	8	---	8	9	7	4-5	
8BH8	Triode	1	4	16	11	8	---	---	3	2	4-5	
8BH8	Pentode	1	4	10	23	8	---	8	9	7	4-5	
8BN8	Triode	1	4	35	7	8	---	---	7	8	4-5	
8BN8	Diode-1	3	4	0	17	8	---	---	6	---	4-5	
8BN8	Diode-2	3	4	0	17	8	---	---	1	---	4-5	
8BQ5		1	4	28	7	8	1	9	7	2	4-5	Shall show short on 1-2. Grid short test - Depress 1-2 together.
8CG7	Triode-1	1	4	15	16	8	---	---	6	7	4-5	
8CG7	Triode-2	1	4	15	16	8	---	---	1	2	4-5	
8CM7	Triode-1	1	4	16	16	8	---	---	6	7	4-5	
8CM7	Triode-2	1	4	22	9	8	---	---	1	8	4-5	
8CN7	Triode	1	9	9	39	5z - *	---	---	8	7	4-5-9	Set switch "E" to 6 if there is no 5z position.
8CN7	Diode-1	3	9	0	17	5z - *	---	---	2	---	4-5-9	
8CN7	Diode-2	3	9	0	17	5z - *	---	---	1	---	4-5-9	
8CS7	Triode-1	1	4	25	9	8	---	---	1	3	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
8CS7	Triode-2	1	4	23	14	8	---	---	6	7	4-5	
8CW5		1	4	0	9	8	1-6	9	7	2	4-5	
8CX8	Triode	1	4	28	11	8	---	---	3	2	4-5	
8CX8	Pentode	1	4	18	11	8	---	8	9	7	4-5	
8CY7	Triode-1	2	4	20	30	8	---	---	6	7	4-5	
8CY7	Triode-2	2	4	20	5	8	2	---	1	3	4-5	
8EB8	Triode	1	4	33	11	8	---	---	3	2	4-5	
8EB8	Pentode	1	4	15	11	8	---	8	9	7	4-5	
8EM5		1	4	16	11	8	3	1	9	6	4-5	Shall show short on 3-6. Grid short test - Depress 3-6 together.
8ET7	Pentode	1	4	14	10	8	---	8	9	7	4-5	
8ET7	Diode-1	3	4	0	26	8	---	---	3	---	4-5	
8ET7	Diode-2	3	4	0	27	8	---	---	2	---	4-5	
8GN8	Triode	4	4	9	10	8	---	---	3	2	4-5	
8GN8	Pentode	1	4	18	10	8	---	8	9	7	4-5	
8SN7	Triode-1	1	7	27	10	8	---	---	2	1	7-8	
8SN7	Triode-2	1	7	27	10	8	---	---	5	4	7-8	
9A8	Triode	5	4	12	10	8	---	---	1	9	4-5	
9A8	Pentode	1	4	18	19	8	---	3	6	2	4-5	
9AK8	Triode	4	4	10	10	9	---	---	9	8	4-5	
9AK8	Diode-1	3	4	0	23	9	---	---	6	---	4-5	
9AK8	Diode-2	3	4	0	16	9	---	---	2	---	4-5	
9AK8	Diode-3	3	4	0	16	9	---	---	1	---	4-5	
9AQ8	Triode-1	1	4	25	10	8	---	---	6	7	4-5	
9AQ8	Triode-2	1	4	25	10	8	---	---	1	2	4-5	
9AU7	Triode-1	1	9	27	10	6	---	---	1	2	4-5-9	
9AU7	Triode-2	1	9	27	10	6	---	---	6	7	4-5-9	
9BR7	Triode	1	9	16	17	6	---	---	1	2	4-5-9	
9BR7	Diode-1	3	9	0	18	6	---	---	7	---	4-5-9	
9BR7	Diode-2	3	9	0	18	6	---	---	6	---	4-5-9	
9CL8	Triode	1	4	32	7	9	---	---	2	1	4-5	
9CL8	Tetrode	1	4	25	17	9	---	7	6	9	4-5	
9U8	Triode	1	4	28	8	9	---	---	1	9	4-5	
9U8	Pentode	1	4	14	29	9	---	3	6	2	4-5	
9X8	Triode	1	4	12	14	9	---	---	3	2	4-5	
9X8	Pentode	1	4	10	33	9	---	8	9	7	4-5	
10BQ5		1	4	28	7	9	1	9	7	2	4-5	Shall show short on 1-2. Grid short test - Depress 1-2 together.
10C8	Triode	1	4	42	7	9	---	---	1	2	4-5	
10C8	Pentode	1	4	21	17	9	---	7	6	8	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
10DE7	Triode-1	1	4	20	14	9	---	---	6	7	4-5	Shall show short on 2-3. Grid short test - Depress 2-3 together.
10DE7	Triode-2	2	4	17	6	9	3	---	1	2	4-5	
10EB8	Triode	2	4	38	10	9	---	---	3	2	4-5	
10EB8	Pentode	2	4	7	16	9	---	8	9	7	4-5	
10EG7	Triode-1	2	7	30	10	9	---	---	5	4	7-8	
10EG7	Triode-2	2	7	0	9	9	---	---	2	1	7-8	
10EW7	Sect-1	5	4	17	10	9	---	---	6	7	4-5	Shall show short on 2-3.
10EW7	Sect-2	2	4	1	10	9	3	---	1	2	4-5	Grid short test, Section 2 - Depress 2-3 together.
11C5		1	3	13	7	10	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
11CY7	Triode-1	2	4	20	30	10	---	---	6	7	4-5	
11CY7	Triode-2	2	4	20	5	10	2	---	1	3	4-5	
12A5		1	6	28	8	7	---	3	2	4	1-6-7	
12AB5		1	4	10	19	10	1-3	8	9	6	4-5	Shall show short on 1-3-6-8. Grid short test - Depress 3-6 together. Screen short test - Depress 1-8 together.
12AC5		1	1	20	20	10	---	5	2	6	1-8	May show short on 3-7. Cathode short test - Depress 3-7 together.
12AC6		2	3	25	25	10	---	6	5	1	3-4	
12AD6	Amp	5	3	8	17	10	---	6	5	7	3-4	
12AD6	Osc	5	3	16	8	10	---	---	6	1	3-4	
12AD7	Triode-1	1	9	8	38	7	---	---	6	7	4-5-9	
12AD7	Triode-2	1	9	8	38	7	---	---	1	2	4-5-9	
12AE6	Triode	2	3	19	30	10	---	---	7	1	3-4	
12AE6	Diode-1	3	3	0	28	10	---	---	6	---	3-4	
12AE6	Diode-2	3	3	0	28	10	---	---	5	---	3-4	
12AE7	Triode-1	5	9	11	7	7	---	---	6	7	4-5-9	
12AE7	Triode-2	5	9	6	7	7	---	---	1	2	4-5-9	
12AF3		3	4	0	15	10	2	---	9	---	4-5	May show short on 2-9.
12AF6		2	3	12	23	10	---	6	5	1	3-4	
12AG6	Amp	5	3	7	18	10	---	6	5	7	3-4	
12AG6	Osc	2	3	30	8	10	---	---	6	1	3-4	
12AH7	Triode-1	1	7	29	10	10	---	---	3	1	7-8	
12AH7	Triode-2	1	7	29	10	10	---	---	6	5	7-8	
12AJ6	Triode	5	3	15	17	10	---	---	7	1	3-4	
12AJ6	Diode-1	3	3	0	24	10	---	---	6	---	3-4	
12AJ6	Diode-2	3	3	0	26	10	---	---	5	---	3-4	
12AL5	Diode-1	3	3	0	17	10	---	---	7	---	3-4	
12AL5	Diode-2	3	3	0	17	10	---	---	2	---	3-4	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
12AL8	Triode	5	4	16	16	10	---	---	1	8	4-5	
12AL8	Tetrode	5	4	17	16	10	---	2	6	3	4-5	
12AQ5		1	3	32	8	10	1	6	5	7	3-4	Shall show short on 1-7. Grid short test - Depress 1-7 together.
12AQ6	Triode	1	3	13	30	10	---	---	7	1	3-4	
12AQ6	Diode-1	3	3	0	27	10	---	---	5	---	3-4	
12AQ6	Diode-2	3	3	0	27	10	---	---	6	---	3-4	
12AS5		1	3	13	7	10	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
12AT6	Triode	1	3	13	30	10	---	---	7	1	3-4	
12AT6	Diode-1	3	3	0	26	10	---	---	5	---	3-4	
12AT6	Diode-2	3	3	0	26	10	---	---	6	---	3-4	
12AT7	Triode-1	1	9	32	9	7	---	---	6	7	4-5-9	
12AT7	Triode-2	1	9	32	9	7	---	---	1	2	4-5-9	
12AU6		1	3	26	16	10	---	6	5	1	3-4	
12AU7	Triode-1	1	9	27	10	7	---	---	1	2	4-5-9	
12AU7	Triode-2	1	9	27	10	7	---	---	6	7	4-5-9	
12AV5		1	2	9	6	10	---	8	5	1	2-7	
12AV6	Triode	1	3	12	32	10	---	---	7	1	3-4	
12AV6	Diode-1	3	3	0	27	10	---	---	5	---	3-4	
12AV6	Diode-2	3	3	0	27	10	---	---	6	---	3-4	
12AV7	Triode-1	5	9	14	12	7	---	---	6	7	4-5-9	
12AV7	Triode-2	5	9	14	12	7	---	---	1	2	4-5-9	
12AW6		1	3	9	33	10	---	6	5	1	3-4	
12AX4		2	7	0	3	10	---	---	5	---	7-8	
12AX7	Triode-1	1	9	12	32	7	---	---	6	7	4-5-9	
12AX7	Triode-2	1	9	12	32	7	---	---	1	2	4-5-9	
12AY7	Triode-1	1	9	24	20	7	---	---	6	7	4-5-9	
12AY7	Triode-2	1	9	24	20	7	---	---	1	2	4-5-9	
12AZ7	Triode-1	1	9	30	10	7	---	---	6	7	4-5-9	
12AZ7	Triode-2	1	9	30	10	7	---	---	1	2	4-5-9	
12B4		2	3	20	5	7	2	---	9	7	3-4-5	Shall show short on 2-7. Grid short test - Depress 2-7 together.
12B7		1	1	25	20	10	---	3	2	6	1-8	
12BA6		1	3	28	15	10	---	6	5	1	3-4	
12BA7	Amp	4	4	10	21	10	---	1	9	7	4-5	
12BA7	Osc	1	4	32	6	10	---	---	1	2	4-5	
12BD6		1	3	27	21	10	---	6	5	1	3-4	
12BE6	Amp	4	3	7	27	10	---	6	5	7	3-4	
12BE6	Osc	1	3	21	9	10	---	---	6	1	3-4	
12BF6	Triode	1	3	32	10	10	---	---	7	1	3-4	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
12BF6	Diode-1	3	3	0	27	10	---	---	6	---	3-4	
12BF6	Diode-2	3	3	0	27	10	---	---	5	---	3-4	
12BH7	Triode-1	1	9	26	7	7	---	---	6	7	4-5-9	
12BH7	Triode-2	1	9	26	7	7	---	---	1	2	4-5-9	
12BK5		1	4	17	11	10	3	8	1	7	4-5	Shall show short on 3-7. Grid short test - Depress 3-7 together.
12BK6	Triode	1	3	31	11	10	---	---	7	1	3-4	
12BK6	Diode-1	3	3	0	23	10	---	---	6	---	3-4	
12BK6	Diode-2	3	3	0	23	10	---	---	5	---	3-4	
12BL6		5	3	6	10	10	---	6	5	1	3-4	
12BN6		4	3	6	41	10	---	5	7	2-6	3-4	
12BQ6		1	2	16	5	10	---	4	11	5	2-7	
12BR7	Triode	1	9	16	17	7	---	---	1	2	4-5-9	
12BR7	Diode-1	3	9	0	18	7	---	---	7	---	4-5-9	
12BR7	Diode-2	3	9	0	18	7	---	---	6	---	4-5-9	
12BU6	Triode	1	3	28	11	10	---	---	7	1	3-4	
12BU6	Diode-1	3	3	0	23	10	---	---	6	---	3-4	
12BU6	Diode-2	3	3	0	23	10	---	---	5	---	3-4	
12BV7		1	6	12	15	7	---	8	7	2	4-5-6	
12BW4	Plate-1	2	4	0	7	10	---	---	7	---	4-5	
12BW4	Plate-2	2	4	0	7	10	---	---	1	---	4-5	
12BX6		1	4	8	29	10	---	8	7	2	4-5	Shall show short on 1-3. Cathode short test - Depress 1-3 together.
12BY7		1	6	16	12	7	---	8	7	2	4-5-6	Shall show short on 3-9. Suppressor short test - Depress 3-9 together.
12BZ6		1	3	8	30	10	---	6	5	1	3-4	
12BZ7	Triode-1	1	9	7	25	7	---	---	6	7	4-5-9	
12BZ7	Triode-2	1	9	7	25	7	---	---	1	2	4-5-9	
12C5		1	3	8	8	10	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
12C8	Pentode	1	2	17	34	10	---	6	3	11	2-7	
12C8	Diode-1	3	2	0	27	10	---	---	4	---	2-7	
12C8	Diode-2	3	2	0	27	10	---	---	5	---	2-7	
12CA5		1	3	14	7	10	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
12CD6		1	2	0	5	10	---	8	11	5	2-7	
12CM6		1	4	17	13	10	3	1	9	6	4-5	Shall show short on 3-6. Grid short test - Depress 3-6 together.
12CN5		2	3	8	7	10	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
12CR6	Pentode	1	3	13	30	10	---	6	5	7	3-4	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
12CR6	Diode	3	3	0	26	10	---	---	2	---	3-4	
12CS6	Amp	4	3	7	28	10	---	6	5	7	3-4	
12CS6	Osc	1	3	22	10	10	---	---	6	1	3-4	
12CT8	Triode	1	4	37	8	10	---	---	1	2	4-5	
12CT8	Pentode	1	4	13	16	10	---	7	6	8	4-5	
12CU5		1	3	10	7	10	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
12CU6		1	2	12	5	10	---	4	11	5	2-7	
12CX6		2	3	16	10	10	---	6	5	1	3-4	
12D4		1	7	0	4	10	---	---	5	---	7-8	
12DB5		1	4	10	9	10	3	1	9	6	4-5	Shall show short on 2-3-6-7. Grid short test - Depress 3-6 together. Cathode short test - Depress 2-7 together.
12DE8	Pentode	4	4	18	3	10	---	8	6	1	4-5	
12DE8	Diode	3	4	0	16	10	---	---	3	---	4-5	
12DF5	Diode-1	3	9	0	22	7	---	---	6	---	4-5-9	
12DF5	Diode-2	3	9	0	22	7	---	---	1	---	4-5-9	
12DF7	Triode-1	3	9	0	22	7	---	---	1	2	4-5-9	
12DF7	Triode-2	3	9	0	22	7	---	---	6	7	4-5-9	
12DK7	Tetrode	5	4	5	6	10	8	3	7	1	4-5	
12DK7	Diode-1	3	4	0	20	10	---	---	6	---	4-5	
12DK7	Diode-2	3	4	0	21	10	---	---	9	---	4-5	
12DL8	Tetrode	5	4	0	6	10		3	6	7	4-5	
12DL8	Diode-1	5	4	0	14	10	---	---	1	---	4-5	
12DL8	Diode-2	5	4	0	14	10	---	---	9	---	4-5	
12DN6		1	2	0	6	10	---	8	11	5	2-7	
12DQ5		1	2	0	5	10	1-4	8	11	5	2-7	Shall show short on 1-3-4-5-6-8. Grid short test - Depress 1-5 together. Screen short test - Depress 4-8 together. Cathode short test - Depress 3-6 together.
12DQ6		1	2	8	4	10	---	4	11	5	2-7	
12DQ7		1	6	21	10	7	---	8	7	2	4-5-6	Shall show short on 3-9. Suppressor short test - Depress 3-9 together.
12DS7	Tetrode	2	4	33	10	10		7	6	3	4-5	
12DS7	Diode-1	3	4	0	24	10	---	---	9	---	4-5	
12DS7	Diode-2	3	4	0	25	10	---	---	1	---	4-5	
12DT5		1	4	13	11	10	3	1	9	6	4-5	
12DT6		1	3	18	29	10	---	6	5	1-7	3-4	
12DT8	Triode-1	1	4	26	13	10	---	---	6	7	4-5	
12DT8	Triode-2	1	4	26	13	10	---	---	1	2	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
12DU7	Tetrode	5	4	16	11	10	---	---	6	3	4-5	
12DU7	Diode-1	5	4	0	20	10	---	---	7	---	4-5	
12DU7	Diode-2	5	4	0	20	10	---	---	9	---	4-5	
12DV7	Triode	5	9	25	10	7	---	---	6	7	4-5-9	
12DV7	Diode-1	5	9	0	21	7	---	---	2	---	4-5-9	
12DV7	Diode-2	5	9	0	21	7	---	---	3	---	4-5-9	
12DV8	Tetrode	5	4	0	7	10	---	3	6	7	4-5	
12DV8	Diode-1	5	4	0	12	10	---	---	9	---	4-5	
12DV8	Diode-2	5	4	0	12	10	---	---	1	---	4-5	
12DW5		2	4	0	10	10	3	1	9	6	4-5	Shall show short on 3-6. Grid short test - Depress 3-6 together.
12DW7	Triode-1	5	9	27	10	7	---	---	6	7	4-5	
12DW7	Triode-2	5	9	20	10	7	---	---	1	2	4-5	
12DW8	Triode-1	5	4	5	10	10	---	---	6	7	4-5	
12DW8	Triode-2	5	4	0	9	10	---	---	1	2	4-5	
12DW8	Diode	5	4	0	7	10	---	---	9	---	4-5	
12DY8	Tetrode	5	4	0	7	10	---	3	6	1	4-5	
12DY8	Triode	5	4	29	11	10	---	---	8	9	4-5	
12DZ6		5	3	5	7	10	---	6	5	1	3-4	
12E5		1	2	15	17	10	---	---	3	5	2-7	
12EA6		5	3	0	7	10	---	6	5	1	3-4	
12EC8	Pentode	5	4	0	28	10	---	7	6	9	4-5	
12EC8	Triode	5	4	12	13	10	---	---	2	1	4-5	
12ED5		1	3	9	10	10	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
12EG6	Amp	5	3	37	24	10	---	7	5	6	3-4	
12EG6	Osc	5	3	9	11	10	---	---	6	1	3-4	
12EH5		2	3	9	12	10	2	6	7	5	3-4	
12EH8	Pentode	2	4	8	45	10	---	8	9	7	4-5	
12EH8	Triode	2	4	32	11	10	---	---	3	2	4-5	Shall show short on 1-6. Cathode short test - Depress 1-6 together.
12EK6		5	3	7	7	10	---	6	5	1	3-4	
12EL6	Diode-1	3	3	0	26	10	---	---	5	---	3-4	
12EL6	Diode-2	3	3	0	26	10	---	---	6	---	3-4	
12EL6	Triode	5	3	20	10	10	---	---	2	1	3-4	
12EM6	Tetrode	5	4	5	6	10	---	3	6	1	4-5	
12EM6	Diode	3	4	0	23	10	---	---	9	---	4-5	
12EN6		1	7	4	7	10	---	4	3	5	2-7	
12EQ7	Diode	3	4	0	28	10	---	---	8	---	4-5	
12EQ7	Pentode	4	4	10	10	10	---	6	7	2	4-5	
12EZ6		1	3	17	10	10	---	6	5	1	3-4	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
12F5		1	2	12	33	10	---	---	4	11	2-7	
12F8	Pentode	2	4	25	21	10	---	2	3	8	4-5	
12F8	Diode-1	3	4	0	27	10	---	---	6	---	4-5	
12F8	Diode-2	3	4	0	27	10	---	---	1	---	4-5	
12FK6	Triode	5	3	11	14	10	---	---	7	1	3-4	
12FK6	Diode-1	5	3	0	16	10	---	---	6	---	3-4	
12FK6	Diode-2	5	3	0	16	10	---	---	5	---	3-4	
12FM6	Triode	5	3	11	14	10	---	---	7	1	3-4	
12FM6	Diode-1	5	3	0	16	10	---	---	6	---	3-4	
12FM6	Diode-2	5	3	0	16	10	---	---	5	---	3-4	
12FQ8	Triode-1	4	4	11	10	10	---	---	6-8	7	4-5	
12FQ8	Triode-2	4	4	11	10	10	---	---	1-3	2	4-5	
12FR8	Pentode	5	4	0	8	10	---	6	7	3	4-5	
12FR8	Triode	5	4	17	10	10	---	---	9	1	4-5	
12FR8	Diode	3	4	0	27	10	---	---	8	---	4-5	
12FX8	Triode	5	4	12	10	10	---	---	8	6	4-5	
12FX8	Heptode	5	4	4	16	10	---	1	3	2	4-5	
12FY8	Triode	2	4	27	12	10	---	---	9	1	4-5	
12FY8	Pentode	2	4	0	10	10	---	7	6	3	4-5	
12G4		1	3	14	15	10	1	---	5	6	3-4	Shall show short on 1-5. Plate short test - Depress 1-5 together.
12G8	Triode-1	5	9	5	7	7	---	---	6	8	4-5-9	
12G8	Triode-2	5	9	20	7	7	---	---	1	3	4-5-9	
12GA6	Amp	4	3	10	18	10	---	6	5	7	3-4	
12GA6	Osc	1	3	7	10	10	---	---	6	1	3-4	
12GC6		1	2	0	5	10	4	8	11	5	2-7	Shall show short on 4-8. Screen short test - Depress 4-8 together.
12H4		1	2	14	15	7	1	---	5	6	2-3-4	Shall show short on 1-5. Plate short test - Depress 1-5 together.
12H6	Diode-1	3	2	0	18	10	---	---	3	---	2-7	
12H6	Diode-2	3	2	0	18	10	---	---	5	---	2-7	
12J5		1	2	15	15	10	---	---	3	5	2-7	
12J7		1	2	15	35	10	---	4	3	11	2-7	
12J8	Tetrode	2	4	5	6	10	---	3	6	1	4-5	
12J8	Diode-1	3	4	0	17	10	---	---	9	---	4-5	
12J8	Diode-2	3	4	0	17	10	---	---	8	---	4-5	
12K5		2	3	43	11	10	5	---	7	6	3-4	Shall show short on 5-6. Grid short test - Depress 5-6 together.
12K7		1	2	15	33	10	---	4	3	11	2-7	
12K8	Triode	1	2	28	15	10	---	---	6	5	2-7	
12K8	Hexode	4	2	15	32	10	---	4	3	11	2-7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
12L6		1	2	10	6	10	---	4	3	5	2-7	
12L8	Pent-1	1	6	30	13	10	---	5	4	3	6-7	
12L8	Pent-2	1	6	30	13	10	---	5	8	1	6-7	
12Q7	Triode	1	2	13	33	10	---	---	3	11	2-7	
12Q7	Diode-1	3	2	0	27	10	---	---	4	---	2-7	
12Q7	Diode-2	3	2	0	27	10	---	---	5	---	2-7	
12R5		1	3	7	7	10	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
12S8	Triode	1	7	12	37	10	---	---	6	11	7-8	
12S8	Diode-1	3	7	0	27	10	---	---	3	---	7-8	
12S8	Diode-2	3	7	0	27	10	---	---	4	---	7-8	
12S8	Diode-3	3	7	0	27	10	---	---	1	---	7-8	
12SA7	Amp	4	2	11	28	10	---	4	3	8	2-7	
12SA7	Osc	1	2	24	9	10	---	---	4	5	2-7	
12SC7	Triode-1	1	7	24	27	10	---	---	2	3	7-8	
12SC7	Triode-2	1	7	24	27	10	---	---	5	4	7-8	
12SF5		1	7	12	32	10	---	---	5	3	7-8	
12SF7	Pentode	1	7	28	18	10	---	4	6	2	7-8	
12SF7	Diode	3	7	0	27	10	---	---	5	---	7-8	
12SG7		1	2	10	29	10	---	6	8	4	2-7	Shall show short on 3-5. Cathode short test - Depress 3-5 together.
12SH7		1	2	14	27	10	---	6	8	4	2-7	Shall show short on 3-5. Cathode short test - Depress 3-5 together.
12SJ7		1	2	27	18	10	---	6	8	4	2-7	
12SK7		1	2	25	20	10	---	6	8	4	2-7	
12SL7	Triode-1	1	7	15	30	10	---	---	5	4	7-8	
12SL7	Triode-2	1	7	15	30	10	---	---	2	1	7-8	
12SN7	Triode-1	1	7	27	10	10	---	---	5	4	7-8	
12SN7	Triode-2	1	7	27	10	10	---	---	2	1	7-8	
12SQ7	Triode	1	7	14	35	10	---	---	6	2	7-8	
12SQ7	Diode-1	3	7	0	26	10	---	---	4	---	7-8	
12SQ7	Diode-2	3	7	0	26	10	---	---	5	---	7-8	
12SR7	Triode	1	7	21	15	10	---	---	6	2	7-8	
12SR7	Diode-1	3	7	0	27	10	---	---	4	---	7-8	
12SR7	Diode-2	3	7	0	27	10	---	---	5	---	7-8	
12SW7	Triode	1	7	21	15	10	---	---	6	2	7-8	
12SW7	Diode-1	3	7	0	27	10	---	---	5	---	7-8	
12SW7	Diode-2	3	7	0	27	10	---	---	4	---	7-8	
12SX7	Triode-1	1	7	27	10	10	---	---	2	1	7-8	
12SX7	Triode-2	1	7	27	10	10	---	---	5	4	7-8	
12SY7	Amp	4	2	11	28	10	---	4	3	8	2-7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
12SY7	Osc	1	2	24	9	10	---	---	4	5	2-7	
12U7	Triode-1	2	9	27	16	7	---	---	6	7	4-5-9	
12U7	Triode-2	2	9	27	16	7	---	---	1	2	4-5-9	
12V6		1	2	31	9	10	---	4	3	5	2-7	
12W6		1	2	10	5	10	---	4	3	5	2-7	
12X4	Plate-1	2	3	0	3	10	---	---	1	---	3-4	
12X4	Plate-2	2	3	0	3	10	---	---	6	---	3-4	
13DE7	Triode-1	1	4	20	14	10	---	---	6	7	4-5	Shall show short on 2-3. Grid short test - Depress 2-3 together.
13DE7	Triode-2	2	4	17	6	10	3	---	1	2	4-5	
13DR7	Triode-1	1	4	37	10	10	---	---	6	7	4-5	Shall show short on 2-3. Grid short test - Depress 2-3 together.
13DR7	Triode-2	1	4	0	7	10	2	---	1	3	4-5	
13EM7	Triode-1	4	7	12	10	10	---	---	5	4	7-8	
13EM7	Triode-2	2	7	0	8	10	---	---	2	1	7-8	
14A4		1	1	27	10	10	---	---	2	6	1-8	
14A5		1	1	31	11	10	---	3	2	6	1-8	
14A7		1	1	25	20	10	---	3	2	6	1-8	
14AF7	Triode-1	1	1	15	15	10	---	---	6	5	1-8	
14AF7	Triode-2	1	1	15	15	10	---	---	3	4	1-8	
14B6	Triode	1	1	12	39	10	---	---	2	3	1-8	Shall show short on 4-7. Cathode short test - Depress 4-7 together.
14B6	Diode-1	3	1	0	26	10	---	---	5	---	1-8	
14B6	Diode-2	3	1	0	26	10	---	---	6	---	1-8	
14B8	Amp	4	1	29	24	10	---	5	2	6	1-8	
14B8	Osc	1	1	29	30	10	---	---	3	4	1-8	
14C5		1	1	31	9	10	---	3	2	6	1-8	
14C7		1	1	21	25	10	---	3	2	6	1-8	
14E6	Triode	1	1	16	18	10	---	---	2	3	1-8	Shall show short on 4-7. Cathode short test - Depress 4-7 together.
14E6	Diode-1	3	1	0	27	10	---	---	5	---	1-8	
14E6	Diode-2	3	1	0	27	10	---	---	6	---	1-8	
14E7	Pentode	1	1	26	25	10	---	5	2	6	1-8	
14E7	Diode-1	3	1	0	27	10	---	---	3	---	1-8	
14E7	Diode-2	3	1	0	27	10	---	---	4	---	1-8	
14F7	Triode-1	1	1	16	30	10	---	---	3	4	1-8	
14F7	Triode-2	1	1	16	30	10	---	---	6	5	1-8	
14F8	Triode-1	1	2	13	14	10	---	---	6	8	2-7	
14F8	Triode-2	1	2	13	14	10	---	---	3	1	2-7	
14GT8	Triode	4	4	16	10	10	---	---	9	8	4-5	
14GT8	Diode-1	3	4	0	16	10	---	---	2	---	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
14GT8	Diode-2	3	4	0	16	10	---	---	6	---	4-5	
14H7		1	1	18	22	10	---	3	2	6	1-8	
14J7	Triode	1	1	20	18	10	---	---	3	4	1-8	
14J7	Hexode	1	1	22	34	10	---	5	2	6	1-8	
14K7	Triode	5	1	25	10	10	---	---	3	4	1-8	
14K7	Hexode	4	1	16	10	10	---	5	2	6	1-8	
14L7	Triode	4	1	15	10	10	---	---	2	3	1-8	
14L7	Diode-1	3	1	0	27	10	---	---	6	---	1-8	
14L7	Diode-2	3	1	0	27	10	---	---	5	---	1-8	
14N7	Triode-1	1	1	27	10	10	---	---	3	4	1-8	
14N7	Triode-2	1	1	27	10	10	---	---	6	5	1-8	
14Q7	Amp	4	1	8	29	10	---	3	2	6	1-8	
14Q7	Osc	1	1	21	9	10	---	---	3	4	1-8	
14R7	Pentode	1	1	17	26	10	---	5	2	6	1-8	
14R7	Diode-1	3	1	0	26	10	---	---	3	---	1-8	
14R7	Diode-2	3	1	0	26	10	---	---	4	---	1-8	
14S7	Triode	1	1	28	14	10	---	---	3	4	1-8	
14S7	Heptode	1	1	13	34	10	---	5	2	6	1-8	
14W7		1	1	12	26	10	---	3	2	6	1-8	Shall show short on 4-7. Cathode short test - Depress 4-7 together.
14X7	Triode	1	1	13	45	10	---	---	2	3	1-8	
14X7	Diode-1	3	1	0	26	10	---	---	5	---	1-8	
14X7	Diode-2	3	1	0	26	10	---	---	6	---	1-8	
14Y4	Plate-1	2	1	0	3	10	---	---	3	---	1-8	
14Y4	Plate-2	2	1	0	3	10	---	---	6	---	1-8	
15EW6		1	3	19	21	10	---	6	5	1	3-4	
17AV5		1	2	9	6	11	---	8	5	1	2-7	
17AX4		2	7	0	3	11	---	---	5	---	7-8	
17BQ6		1	2	16	5	11	---	4	11	5	2-7	
17C5		1	3	8	8	11	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
17C8	Pentode	4	4	12	10	11	---	1	6	2	4-5	
17C8	Diode-1	3	4	0	23	11	---	---	8	---	4-5	
17C8	Diode-2	3	4	0	23	11	---	---	7	---	4-5	
17CA5		1	3	14	7	11	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
17CU5		1	3	10	7	11	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
17D4		1	7	0	4	11	---	---	5	---	7-8	
17DQ6		1	2	8	4	11	---	4	11	5	2-7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
17H3		5	4	0	6	11	3	---	8	---	4-5	Shall show short on 3-8. Plate short test - Depress 3-8 together.
17L6		1	2	10	6	11	---	4	3	5	2-7	
17R5		1	3	7	7	11	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
17Z3		7	4	0	3	11	---	---	9	---	4-5	
18A5		1	2	5	7	11	---	8	5	1	2-7	
18FW6		1	3	26	15	11	---	6	5	1	3-4	
18FX6	Amp	4	3	10	27	11	---	6	5	7	3-4	
18FX6	Osc	1	3	15	10	11	---	---	6	1	3-4	
18FY6	Triode	1	3	33	10	11	---	---	7	1	3-4	
18FY6	Diode-1	3	3	0	26	11	---	---	6	---	3-4	
18FY6	Diode-2	3	3	0	26	11	---	---	5	---	3-4	
19AU4		5	7	0	5	11	---	---	5	---	7-8	
19BG6		6	2	38	4	11	---	8	11	5	2-7	
19C8	Triode	5	4	4	42	11	---	---	9	8	4-5	
19C8	Diode-1	3	4	0	17	11	---	---	6	---	4-5	
19C8	Diode-2	3	4	0	17	11	---	---	2	---	4-5	
19C8	Diode-3	3	4	0	17	11	---	---	1	---	4-5	
19CL8A	Triode	1	4	32	7	11	---	---	2	1	4-5	
19CL8A	Tetrode	1	4	25	17	11	---	7	6	9	4-5	
19D8	Heptode	1	4	26	32	11	---	1	6	2	4-5	
19D8	Triode	1	4	26	11	11	---	---	8	9	4-5	
19EA8	Pentode	1	4	20	23	11	---	3	6	2	4-5	
19EA8	Triode	1	4	18	11	11	---	---	1	9	4-5	
19EZ8	Triode-1	1	4	33	10	11	---	---	8	9	5	
19EZ8	Triode-2	1	4	33	10	11	---	---	6	7	5	
19EZ8	Triode-3	1	4	31	10	11	---	---	3	2	5	
19J6	Triode-1	1	3	16	12	11	---	---	2	5	3-4	
19J6	Triode-2	1	3	16	12	11	---	---	1	6	3-4	
19T8	Triode	1	4	9	38	11	---	---	9	8	4-5	
19T8	Diode-1	3	4	0	16	11	---	---	6	---	4-5	
19T8	Diode-2	3	4	0	16	11	---	---	2	---	4-5	
19T8	Diode-3	3	4	0	16	11	---	---	1	---	4-5	
19V8	Triode	5	4	4	40	11	---	---	1	6	4-5	
19V8	Diode-1	3	4	0	24	11	---	---	9	---	4-5	
19V8	Diode-2	3	4	0	16	11	---	---	7	---	4-5	
19V8	Diode-3	3	4	0	16	11	---	---	2	---	4-5	
19X3		1	4	0	4	11	---	---	9	---	4-5	
19X8	Triode	1	4	12	14	11	---	---	3	2	4-5	
19X8	Pentode	1	4	8	30	11	---	8	9	7	4-5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
20EQ7	Diode	3	4	0	28	11	---	---	8	---	4-5	
20EQ7	Pentode	4	4	10	10	11	---	6	7	2	4-5	
20EZ7	Triode-1	4	3	14	10	9	---	---	7	8	1-2-3	
20EZ7	Triode-2	4	3	14	10	9	---	---	6	5	1-2-3	
25AV5		1	2	9	6	12	---	8	5	1	2-7	
25AX4		2	7	0	3	12	---	---	5	---	7-8	
25BK5		1	4	17	11	12	3	8	1	7	4-5	Shall show short on 3-7. Grid short test - Depress 3-7 together.
25BQ6		1	2	16	5	12	---	4	11	5	2-7	
25C5		1	3	8	8	12	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
25CA5		1	3	13	9	12	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
25CD6		1	2	0	5	12	---	8	11	5	2-7	
25CU6		1	2	12	5	12	---	4	11	5	2-7	
25DN6		1	2	0	6	12	---	8	11	5	2-7	
25DQ6		1	2	8	4	12	---	4	11	5	2-7	
25EC6		1	2	5	8	12	---	8	11	5	2-7	
25EH5		2	3	9	12	12	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
25EZ5		2	2	0	5	12	1-3	4	11	5	2-7	Shall show short on 1-3-4-8. Cathode short test - Depress 1-8 together. Screen short test - Depress 3-4 together.
25F5		1	3	16	7	12	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
25FY8	Triode	2	4	27	12	12	---	---	9	1	4-5	
25FY8	Pentode	2	4	0	10	12	---	7	6	3	4-5	
25L6		1	2	10	6	12	---	4	3	5	2-7	
25W4		1	7	0	4	12	---	---	5	---	7-8	
25W6		1	2	10	5	12	---	4	3	5	2-7	
25Z5	Plate-1	2	1	0	2	12	---	---	5	---	1-6	
25Z5	Plate-2	2	1	0	2	12	---	---	2	---	1-6	
25Z6	Plate-1	2	2	0	2	12	---	---	5	---	2-7	
25Z6	Plate-2	2	2	0	2	12	---	---	3	---	2-7	
26BK6	Triode	1	3	31	11	12	---	---	7	1	3-4	
26BK6	Diode-1	3	3	0	23	12	---	---	6	---	3-4	
26BK6	Diode-2	3	3	0	23	12	---	---	5	---	3-4	
31A3		2	1	0	3	13	---	---	2	---	1-8	Fil Cont - Set Control "E" at 12.
32ET5		2	3	11	10	13	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together. Fil Cont - Set Control "E" at 12.

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
34GD5		1	3	8	10	13	2	6	7	5	3-4	Fil Cont - Set Control "E" at 12.
35A5		1	1	19	6	13	---	3	2	6	1-8	
35B5		1	3	20	8	13	1	6	5	7	3-4	Shall show short on 1-7. Grid short test - Depress 1-7 together.
35C5		1	3	13	7	13	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
35CD6		1	2	0	5	13	---	8	11	5	2-7	
35EH5		2	3	9	12	13	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together.
35GL6		2	3	3	10	13	---	5	7	2	3-4-6	
35L6		1	2	20	6	13	---	4	3	5	2-7	
35W4		2	3	0	1	13	6	---	5	---	3-4-6	
35Y4		2	8	0	1	13	4	---	2	---	1-4-8	
35Z3		2	1	0	1	13	---	---	2	---	1-8	
35Z4		2	2	0	1	13	---	---	5	---	2-7	
35Z5		2	7	0	1	13	3	---	5	---	2-3-7	
36AM3		1	3	0	4	13	6	---	5	---	3-4-6	
38A3		3	4	0	16	13	1-6	---	9	---	4-5	May show short on 1-6-9. Plate short test - Depress 1-6-9 together.
45A5		1	1	4	10	14	---	5	2	6	1-8	Shall show short on 3-7. Cathode short test - Depress 3-7 together. Fil Cont - Set Control "E" at 12.
45B5		1	4	5	9	13	1-6-8	9	7	2	4-5	May show short on 1-2-6-8-9. Grid short test - Depress 1-2 together. Screen short test - Depress 6-8-9 together. Fil Cont - Set Control "E" at 12.
45Z3		2	1	0	2	14	6	---	2	---	1-7	Shall show short on 2-6. Plate short test - Depress 2-6 together. Fil Cont - Set Control "E" at 12.
50A5		1	1	18	5	14	---	3	2	6	1-8	Fil Cont - Set Control "E" at 12.
50B5		1	3	13	6	14	1	6	5	7	3-4	Shall show short on 1-7. Grid short test - Depress 1-7 together. Fil Cont - Set Control "E" at 12.
50BK5		1	4	17	11	14	3	8	1	7	4-5	Shall show short on 3-7. Grid short test - Depress 3-7 together. Fil Cont - Set Control "E" at 12.
50C5		1	3	8	8	14	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together. Fil Cont - Set Control "E" at 12.
50C6		1	2	14	6	14	---	4	3	5	2-7	Fil Cont - Set Control "E" at 12.

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
50CA5		1	3	14	7	14	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together. Fil Cont - Set Control "E" at 12.
50DC4		3	3	0	16	14	6	---	5	---	3-4	Fil Cont - Set Control "E" at 12.
50EH5		2	3	9	12	14	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together. Fil Cont - Set Control "E" at 12.
50FK5		1	3	11	10	14	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together. Fil Cont - Set Control "E" at 12.
50FY8	Triode	2	4	27	12	14	---	---	9	1	4-5	Fil Cont - Set Control "E" at 12.
50FY8	Pentode	2	4	0	10	14	---	7	6	3	4-5	
50L6		1	2	18	5	14	---	4	3	5	2-7	Fil Cont - Set Control "E" at 12.
50X6	Plate-1	2	1	0	2	14	---	---	3	---	1-8	Fil Cont - Set Control "E" at 12.
50X6	Plate-2	2	1	0	2	14	---	---	6	---	1-8	
50Y6	Plate-1	2	2	0	2	14	---	---	3	---	2-7	Fil Cont - Set Control "E" at 12.
50Y6	Plate-2	2	2	0	2	14	---	---	5	---	2-7	
50Y7	Plate-1	1	2	0	4	14	---	---	3	---	2-6-7	Fil Cont - Set Control "E" at 12.
50Y7	Plate-2	1	2	0	4	14	---	---	5	---	2-6-7	
60FX5		1	3	6	10	14	2	6	7	5	3-4	Shall show short on 2-5. Grid short test - Depress 2-5 together. Fil Cont - Set Control "E" at 12.
70L7	Amp	1	2	19	6	15	---	4	3	5	2-7	Fil Cont - Set Control "E" at 12.
70L7	Rect	2	2	0	1	15	---	---	8	---	2-7	
80	Plate-1	2	1	0	8	6	---	---	2	---	1-4	
80	Plate-2	2	1	0	8	6	---	---	3	---	1-4	
81		2	1	0	13	8	---	---	2	---	1-4	
82	Plate-1	2	1	0	2	4	---	---	2	---	1-4	
82	Plate-2	2	1	0	2	4	---	---	3	---	1-4	
84	Plate-1	2	1	0	4	7	---	---	2	---	1-5	
84	Plate-2	2	1	0	4	7	---	---	3	---	1-5	
117L7	Amp	1	2	25	7	17	---	5	3	4	2-7	Fil Cont - Set Control "E" at 12.
117M7	Rect	2	2	0	2	17	---	---	6	---	2-7	Fil Cont - Set Control "E" at 12.
117N7	Amp	1	2	12	7	17	---	5	3	4	2-7	Fil Cont - Set Control "E" at 12.
117N7	Rect	2	2	0	0	17	* - 2	---	* - 7	---	2-7	* Rect Test - See instructions.
117P7	Amp	1	2	25	7	17	---	5	3	4	2-7	Fil Cont - Set Control "E" at 12.
117P7	Rect	2	2	0	0	17	---	---	7	---	2-7	Rect Test - See instructions.
117Z3		2	3	0	1	17	1	---	5	---	3-4	May show short on 1-5. Fil Cont - Set Control "E" at 12.
117Z4		2	2	0	1	17	---	---	5	---	2-7	Fil Cont - Set Control "E" at 12.
117Z6	Plate-1	2	2	0	1	17	---	---	3	---	2-7	Fil Cont - Set Control "E" at 12.

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
117Z6	Plate-2	2	2	0	1	17	---	---	5	---	2-7	
X-155	Triode-1	1	4	14	13	7	---	---	1	2	4-5	
X-155	Triode-2	1	4	14	13	7	---	---	6	7	4-5	
FM-1000	Amp	4	1	5	24	7	---	5	4	2	1-8	
FM-1000	Osc	1	1	15	8	7	---	---	5	2	1-8	
2050		7	2	0	3	7	---	---	3	5	2-7	
2051		7	2	0	3	7	---	---	3	5	2-7	
XXB	Triode-1	3	7	22	24	2	---	---	6	5	1-7-8	
XXB	Triode-2	3	7	22	24	2	---	---	3	4	1-7-8	
XXD	Triode-1	1	1	15	15	10	---	---	6	5	1-8	
XXD	Triode-2	1	1	15	15	10	---	---	3	4	1-8	
XXFM	Triode	1	1	13	45	7	---	---	2	3	1-8	
XXFM	Diode-1	3	1	0	26	7	---	---	5	---	1-8	
XXFM	Diode-2	3	1	0	26	7	---	---	6	---	1-8	
XXL		1	1	23	10	7	---	---	2	6	1-8	