

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 Coletronics Service Inc MRC 2-25-70, 6-1-70, 4-1-74; 7-15-74; 2-15-75; 2-1-78; G-140 Adapter (761);												
1AD2		4	1	0	28	2	*	---	12	---	1 - 3	*Key at 2. Throw levers 4 - 5 - 7 - 8 - 9 to "W"; May show short on 4 - 5 - 7 - 8 - 9
1AU2		7	4	0	23	2	1	---	9	---	4 - 5	Must show short on 1 - 9
1AY2		7	1	0	15	2	---	---	11	---	*	Depress button 1 only for Fil Cont. Insert leads into pins 1 & 6 of 9-pin socket.
1BC2		7	5	0	18	2	2 - 8	---	11	---	4 - 5	Must show short on 1 - 6 - 9
1BG2		5	1	0	30	2	---	---	11	2	1 - 2	Insert bottom leads into pins 1 & 2 of 9-pin socket. Cap goes to top lead.
1BK2	*	7	2	0	17	2	5 - 8	---	11	---	#	*CAUTION - Levers 5 - 8 must be thrown in position "W" before inserting tube and remain in position "W" throughout all tests, including short tests; #1 - 2 - 4 - 6 - 9; May show short on 3 - 7
1BQ2	*											* CAUTION - Levers 5 - 8 must be thrown to position "W" before inserting tube and remain so during all tests
1BQ2		7	2	0	17	2	5 - 8	---	11	---	*	Fil Cont - Must show short on 1 - 2 - 4 - 6 - 9
1BX2	*	7	2	0	16	2	5 - 8	---	11	---	#	*CAUTION: Levers 5 - 8 must be thrown to position "W" before inserting tube and remain in position "W" throughout all tests, including short tests; #1 - 2 - 4 - 6 - 9; May show short on 2 - 7
1BY2		4	1	0	18	2	*	---	11	---	1 - 3	Key at 2; *2 - 4 - 5 - 6 - 7 - 8; Good tube reads above 40; No short test
1C2		1	7	50	31	2	---	6	2	3 - 4	1 - 7	
1C2		1	7	36	10	2	---	5	3	4	1 - 7	
1D13		3	1	0	27	2	2 - 5	---	6	---	1 - 7	Must show short on 2 - 5 - 6
1DG3		4	8	0	26	2	*	---	11	---	#	*2 - 4 - 5 - 6; #3 - 4 - 5 - 6 - 8; No short test
1DK1		5	1	0	30	1	---	---	11	---	1 - 2	Insert two base leads into pins 1 and 2 of 9 pin miniature socket. Cap goes to top lead
1DK29		5	1	0	30	2	---	---	11	---	1 - 2	Insert 2 base leads into pins 1 & 2 of 9-pin socket. Cap goes to top lead.
1F1		5	7	6	37	2	---	3	2	6	1 - 5 - 7	
1F2		1	7	27	29	2	5	3	2	6	1 - 5 - 7	
1F3		1	7	32	22	2	5	3	2	6	1 - 5 - 7	
1FD1	Pentode	4	7	17	41	2	---	4	5	6	1 - 7	
1FD1	Diode	3	7	0	28	2	---	---	3	---	1 - 7	
1FD9	Pentode	1	1	26	35	2	---	4	5	6	1 - 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		
1FD9	Diode	3	1	0	29	2	---	---	3	---	1 - 7	
1H35		5	7	27	40	2	---	6	2	3 - 4	1 - 7	
1H35		5	7	13	19	2	---	---	3	4	1 - 7	
1K3		4	2	0	20	2	8	---	11	---	2 - 7	May show short on 1 - 3 - 5; Black grid cap goes to top of tube
1P1		1	5	30	10	2	---	3	2	6	1 - 5 - 7	
1P10		1	5	27	14	2	6	4	2	3	1 - 5 - 7	
1P11		1	5	30	10	2	---	3	2	6	1 - 5 - 7	
1RK23	*	7	2	0	14	2	5 - 8	---	11	---	#	*CAUTION: Levers 5 - 8 must be thrown to position "W" before inserting tube and remain in position "W" throughout all tests, including short tests; #1 - 2 - 4 - 6 - 9; May show short on 3 - 7
1RK41	*	7	2	0	17	2	5 - 8	---	11	---	#	*CAUTION: Levers 5 - 8 must be thrown to position "W" before inserting tube and remain in position "W" throughout all tests, including short tests; #1 - 2 - 4 - 6 - 9; May show short on 2 - 7
1S5	Pent	1	7	8	39	4	---	4	5	6	1 - 7	
1S5	Diode	3	7	0	30	2	---	---	3	---	1 - 7	
2AH2	*											* CAUTION - Lever 5 must be thrown to position "W" before inserting tube and must remain in "W" position throughout all tests including short tests.
2AH2		6	1	0	17	4	5	---	12	---	1 - 3	Key at 2. Red grid cap goes to top of tube. May show short on 1 - 3 - 4 - 7 - 8 - 9
2AS2		7	4	0	15	4	---	---	11	---	4 - 6	Key at 5. Cap goes to top of tube. May show short on 1 - 7.
2AV2		7	4	0	24	3	*	---	9	---	4 - 5	* Levers 1 - 2 - 3 - 6 - 7 - 8 must be thrown to "W". May show short on 1 - 2 - 3 - 6 - 7 - 8 - 9
2AZ2	*											* CAUTION - Levers 4 - 5 - 6 - 8 - 9 must be thrown to position "W" before inserting tube and must remain in "W" position throughout all tests.
2AZ2		7	1	0	13	3	*	---	11	---	1 - 2	
2BA2		7	4	0	10	3	1	---	9	---	4 - 5	
2BJ2	*											* CAUTION - Levers 2 - 8 must be thrown to position "W" before inserting tube and must remain in position "W" throughout all tests including short tests.

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		
2BJ2		7	5	0	14	3	2 - 8	---	11	---	4 - 5	Must show short on 1 - 4 - 5 - 6 - 9
2BU2		7	4	0	13	4	1 - 7	---	11	---	4	Key at 5; Must show short on 1 - 6 - 7
2C50	Triode-1	1	7	21	9	10	---	---	2	1	7 - 8	
2C50	Triode-2	1	7	21	9	10	---	---	5	4	7 - 8	
2CN3		7	2	0	11	3	---	---	11	---	2 - 7	May show short on 3 - 5
2CW4	*	5	4	9	10	3	---	---	1	2	4 - 5	*Use G-140 Adapter; Connect red grid cap to G-140 plug
2DL4		5	4	8	9	3	*	---	8	9	4 - 5	*1 - 3 - 6 - 7; Must show short on 1 - 3 - 6 - 7 - 9
2DS4		5	4	12	10	2	---	---	1	2	4 - 5	
2DV4		5	3	6	8	3	1 - 4	---	2	6	3 - 5	Must show short on 1 - 2 - 4 - 6
2DZ4		2	3	19	10	4	1 - 2	---	7	6	3 - 4	Must show short on 1 - 2 - 6 - 7
2EG4		5	4	5	16	2	---	---	1	2	4 - 5	
2GU5		4	3	5	10	4	2	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
2GW5		5	3	6	8	4	2	---	1	6	3 - 4	Must show short on 2 - 6
2HA5		1	3	13	10	2	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
2HK5		1	3	14	10	3	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
2HM5		5	3	7	10	4	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
2HQ5		1	3	10	8	4	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
2HR8		4	4	7	20	4	---	1	6	9	4 - 5	May show short on 2 - 7
3AF3		3	4	0	15	6	2	---	9	---	4 - 5	May show short on 2 - 9
3AJ8	Amp	1	4	14	31	5	---	1	6	2	4 - 5	
3AJ8	Osc	1	4	25	10	5	---	---	1	2	4 - 5	
3AJ8	Triode	1	4	25	13	5	---	---	8	9	4 - 5	
3AT2		4	5	0	6	4	1	---	12	---	5 - 7	Key at 6. Must show short on 2 - 8; Red grid cap goes to top of tube
3AW2		7	5	0	11	5	---	---	11	-	4 - 6	Key at 5. Cap goes to top of tube. May show short on 1 - 7.
3AW3		4	2	0	7	5	---	---	11	---	*	*Fil Cont - Depress 2, then 3 - 7 - 8 together; May show short on 3 - 7 - 8
3BH2	*											* CAUTION - Levers 2 - 8 must be thrown to position "W" before inserting tube and must remain in position "W" throughout all tests including short tests.
3BH2	*	7	4	0	17	4	2 - 8	---	11	---	4 - 5	* Must use magnoval adapter; Must show short on 1 - 9

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TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
3BL2		7	4	0	15	5	---	---	11	---	4 - 6	Key at 5. Cap goes to top of tube. May show short on 1 - 7.
3BM2		7	4	0	8	5	---	---	11	---	4 - 6	Key at 5. Must show short on 1 - 7.
3BN2		4	5	0	6	4	1	---	12	---	5 - 7	Key at 6. Must show short on 2 - 8; Red cap goes to top of tube
3BS2		7	4	0	10	5	---	---	11	---	4 - 6	Key at 5. May show short on 1 - 7; Cap goes to top of tube
3BT2		7	4	0	14	5	1 - 7	---	11	---	4	Key at 5. Must show short on 1 - 6 - 7
3BW2		7	4	0	14	5	1 - 7	---	11	---	4	Key at 5; No short test
3CA3		7	2	0	19	5	---	---	11	2	2 - 7	
3CN3		7	2	0	11	5	---	---	11	---	2 - 7	May show short on 3 - 5
3CU3		7	2	0	10	5	---	---	11	2	2 - 7 - 8	
3CV3	*	7	2	0	17	5	5 - 8	---	11	---	2 - 7	*CAUTION; Levers 5 - 8 must be thrown to position "W" before inserting tube and remain in position "W" throughout all tests, including short tests; May show short on 1 - 2 - 3 - 7
3CX3		7	3	0	13	5	---	---	11	---	3 - 4 - 6	
3CY3		7	2	0	15	5	---	---	11	---	*	* Fil Cont - Must show short on 1 - 2 - 3 - 5 - 7
3CZ3		4	2	0	7	5	---	---	11	---	*	* Fil Cont - Depress 2, then 2 - 7 - 8 together; May show short on 2 - 7 - 8
3DA3		1	3	0	23	5	*	---	11	---	#	*3 - 4 - 5 - 6 - 8; #1 - 2 - 4 - 5 - 6 - 7
3DB3		7	2	0	23	5	---	---	11	---	7	Must show short on 1 - 2 - 3 - 5 - 7
3DC3		7	2	0	12	5	---	---	11	---	*	* Fil Cont - Must show short on 1 - 2 - 3 - 5 - 7
3DF3		1	8	0	25	5	*	---	11	---	#	*2 - 4 - 5 - 6; #2 - 3 - 4 - 6 - 8; No short test
3DH3		1	3	0	25	5	5	---	11	---	*	*3 - 4 - 6 - 8
3DJ3		7	2	0	21	5	---	---	11	---	#	# Fil Cont - Must show short on 1 - 2 - 3 - 5 - 7
3DR3		4	3	0	6	5	5	---	11	---	*	*2 - 3 - 6 - 8
3DS3		3	3	0	35	5	5	*	11	---	2 - 6 - 8	*1 - 4 - 7; Good tube reads above 40
3DZ4		2	3	19	10	5	1 - 2	---	7	6	3 - 4	Must show short on 1 - 2 - 6 - 7
3DZ11		7	4	15	23	6	---	7	6	2	4 - 5	
3GK6		1	4	21	10	5	---	8	7	2	4 - 5	Must show short on 3 - 9
3GU5		4	3	5	10	5	2	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test
3GW5		5	3	7	8	5	2	---	1	6	3 - 4	Depress 2 - 7 together
3HA5		1	3	13	10	4	2	---	5	1	3 - 4	Must show short on 2 - 6
												Must 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												
TUBE	SECTION	LEVER									FIL. CONT.	COMMENT
		A	B	C	D	E	W	X	Y	Z		
3HE7	Diode	3	1	0	15	5	---	---	2	---	1 - 11	CAUTION - Throw lever No. 4 to "W" before inserting tube
3HE7	Pent	5	6	0	5	5	4	5	11	3	6 - 8	
3HF5		1	3	0	4	5	2	7	12	9	3 - 5	Key at 4. Use red grid cap. Must show short on 1 - 2 - 7 - 8; Cathode short test - Depress 2 - 7 together
3HK5		1	3	14	10	4	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together
3HM5		2	3	25	14	4	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together
3HM6		5	4	0	16	5	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test - Depress 1 - 3 together
3HQ5		1	3	10	8	5	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together
3HS8	Pent-1	4	4	6	30	5	---	2	8	7	4 - 5	
3HS8	Pent-2	4	4	6	30	5	---	2	3	7	4 - 5	
3HT6		4	4	4	10	5	3	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test - Depress 1 - 3 together
3JC6		1	4	5	24	5	3	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test - Depress 1 - 3 together
3JD6		1	4	5	20	5	3	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test - Depress 1 - 3 together
3KF8	Pent-1	4	4	5	30	5	---	2	8	7	4 - 5	
3KF8	Pent-2	4	4	5	30	5	---	2	3	7	4 - 5	
3KT6		5	4	0	20	5	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test - Depress 1 - 3 together
3MR24		1	3	15	17	5	---	---	6	5	3 - 4	
3MP26		1	3	10	10	5	---	6	5	1	3 - 4	
3MV7		1	3	8	19	5	---	---	6	5	3 - 4	
4AB8	Triode	1	4	14	18	6	---	---	1	2	4 - 5	
4AB8	Pent	1	4	14	17	6	---	8	6	9	4 - 5	
4AF4		2	3	24	11	6	1 - 2	---	7	6	3 - 4	
4BL8	Triode	1	4	14	10	6	---	---	1	9	4 - 5	
4BL8	Pent	1	4	23	16	6	---	3	6	2	4 - 5	
4DL4		5	4	6	11	5	1 - 3 - 6	---	8	7 - 9	4 - 5	Must show short on 1 - 3 - 6 - 7 - 9
4ER5		5	3	5	15	5	---	---	5	2	3 - 4	Must show short on 1 - 7
4GJ7	Triode	5	4	7	8	5	---	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test - Depress 1 - 3 together
4GJ7	Pent	1	4	0	38	5	---	7	6	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		
4GK5		1	3	11	10	5z	---	---	5	2	3 - 4	Set switch "E" to #6 if there is no 5z position; Must show short on 1 - 7; Cathode short test Depress 1 - 7 together
4GS7	Triode	5	4	7	10	6	---	---	2	1	4 - 5	
4GS7	Pentode	5	4	0	21	6	---	7	6	9	4 - 5	
4GW5		5	3	7	8	5z	2	---	1	6	3 - 4	Set switch "E" to #6 if there is no 5z position; Must show short on 2 - 6
4GX6		1	3	10	36	6	---	6	5	1	3 - 4	
4GX7	Triode	5	4	9	8	5z	---	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together; Set switch "E" to #6 if there is no 5z position
4GX7	Pent	4	4	5	7	5z	---	7	6	2	4 - 5	
4GZ5		1	3	20	10	5z	2	6	7	5	3 - 4	Set switch "E" to #6 if there is no 5z position; Must show short on 2 - 5 Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
4HA5		1	3	13	10	5	2	---	5	1	3 - 4	
4HA7	Triode-1	1	2	35	10	5z	---	---	5	1	2 - 4	Key at 3; Set switch "E" to #6 if there is no 5z position
4HA7	Triode-2	2	4	36	10	5z	---	---	2	1	4 - 6	
4HC7	Triode-1	2	1	26	14	5z	---	---	7	9	1 - 12	Key at 0; Set switch "E" to #6 if there is no 5z position; Use red grid cap
4HC7	Triode-2	2	7	34	10	5z	---	---	8	4	5 - 7	
4HG8	Triode	1	4	5	10	6	---	---	7	6	4 - 5	May show short on 1 - 3; Cathode short test - Depress 1 - 3 together
4HG8	Pentode	1	4	7	25	6	---	9	8	2	4 - 5	
4HK5		1	3	14	10	5z	2	---	5	1	3 - 4	Set switch "E" to #6 if there is no 5z position; Cathode short test - Depress 2 - 7 together; Must show short on 2 - 7 Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
4HM5		2	3	25	14	5	2	---	5	1	3 - 4	
4HM6		5	4	0	16	5z	---	8	7	2	4 - 5	Set switch "E" to #6 if there is no 5z position; Must show short on 1 - 3; Cathode short test Depress 1 - 3 together Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
4HQ5		1	3	10	8	6	2	---	5	1	3 - 4	
4HR8		4	4	7	20	5z	---	1	6	9	4 - 5	Set switch "E" to #6 if there is no 5z position; Must show short on 2 - 7
4HS8	Pent-1	4	4	6	30	5z	---	2	8	7	4 - 5	
4HS8	Pent-2	4	4	6	30	5z	---	2	3	7	4 - 5	Set switch "E" to 6 if there is no 5z position

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		
4HT6		4	4	4	10	5z	3	8	7	2	4 - 5	Set switch "E" to #6 if there is no 5z position; Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
4JC6		1	4	5	24	6	3	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
4JD6		1	4	5	20	6	3	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
4JH6		4	3	7	10	6	---	6	5	1	3 - 4	
4JK6		1	3	9	16	5	---	6	5	1	3 - 4	
4JL6		1	3	2	17	5	---	6	5	1	3 - 4	
4JW8	Triode	5	4	10	15	6	---	---	?	9	4 - 5	
4JW8	Pentode	4	4	7	11	6	---	3	6	2	4 - 5	
4KE8	Triode	2	4	32	10	6	---	---	1	9	4 - 5	
4KE8	Pent	4	4	5	10	6	---	3	6	2	4 - 5	
4KF8	Pent-1	4	4	5	30	6	---	2	8	7	4 - 5	
4KF8	Pent-2	4	4	5	30	6	---	2	3	7	4 - 5	
4KN8	Triode-1	1	4	5	9	6	---	---	6	7	4 - 5	
4KN8	Triode-2	1	4	5	9	6	---	---	1	2	4 - 5	
4KT6		5	4	0	20	6	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
4LJ8	Triode	5	4	8	12	6	---	---	2	1	4 - 5	Must show short on 3 - 8; Cathode short test Depress 3 - 8 together
4LJ8	Pentode	5	4	0	26	6	---	7	6	9	4 - 5	
4LU6		3	3	5	29	5	---	6	5	1	4	
4MK8	Pent-1	4	4	10	26	6	---	2	8	7	4 - 5	
4MK8	Pent-2	4	4	10	26	6	---	2	3	7	4 - 5	
4MP12		1	3	8	18	6	---	6	5	1	3 - 4	
4MP26		1	3	10	10	5	---	6	5	1	3 - 4	
4RHH2	Triode	1	4	15	11	6	---	---	6	7	4 - 5	
4RHH2	Triode	1	4	15	11	6	---	---	1	2	4 - 5	
4RHH8	Triode-1	1	4	5	9	6	---	---	6	7	4 - 5	
4RHH8	Triode-2	1	4	5	9	6	---	---	1	2	4 - 5	
4RHH15	Triode-2	3	4	8	23	5	---	---	1	2	5	
4RHH15	Triode-1	3	4	8	23	5	---	---	6	7	5	
5AF4		2	3	24	11	6	1 - 2	---	7	6	3 - 4	Must show short on 1 - 2 - 6 - 7
5AF11	Pentode	4	8	2	10	6	---	4	9	5	6 - 8	Key at 7; Use red grid cap
5AF11	Triode-1	4	1	2	10	6	---	---	6	5	1 - 3	Key at 2
5AF11	Triode-2	4	1	2	10	6	---	---	8	6	1 - 12	Key at 0
5AQ4	Diode-1	2	2	0	2	6	---	---	4	---	2 - 8	
5AQ4	Diode-2	2	2	0	2	6	---	---	6	---	2 - 8	
5B8	Pentode	4	4	25	28	6	---	1	9	6	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		
5B8	Triode	1	4	10	12	6	---	---	3	2	4 - 5	
5BC3	Diode-1	3	1	0	19	6	2 - 8	---	9	---	1 - 2 - 3	Must show short on 5 - 6 - 8 - 9
5BC3	Diode-2	3	1	0	19	6	2 - 5	---	6	---	1 - 2 - 3	
5CL8	Triode	1	4	22	10	6	---	---	2	1	4 - 5	
5CL8	Tetrode	4	4	9	10	6	---	7	6	9	4 - 5	
5CR8	Triode	1	4	10	12	6	---	---	1	9	4 - 5	
5CR8	Pentode	4	4	7	8	6	---	7	6	2	4 - 5	
5DG4	Plate-1	1	1	0	4	6	---	---	7	---	1 - 3	
5DG4	Plate-2	1	1	0	4	6	---	---	5	---	1 - 3	
5DJ4	*											* CAUTION: Lever #2 must be thrown to "W" position before inserting tube and must remain in "W" position throughout all tests, including short tests.
5DJ4	Plate-1	3	1	0	17	6	2	---	3 - 4	---	1 - 7 - 8	Must show short on 3 - 4 - 5 - 6
5DJ4	Plate-2	3	1	0	17	6	2	---	5 - 6	---	1 - 7 - 8	
5EW6		1	3	19	21	6	---	6	5	1	3 - 4	
5GJ7	Triode	5	4	7	8	6	---	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test
5GJ7	Pentode	1	4	0	38	6	---	7	6	9	4 - 5	Depress 1 - 3 together
5GS7	Triode	5	4	7	10	6	---	---	2	1	4 - 5	Must show short on 3 - 8; Cathode short test
5GS7	Pentode	5	4	0	21	6	---	7	6	9	4 - 5	Depress 3 - 8 together
5GX6		1	3	10	36	5	---	6	5	1	3 - 4	
5GX7	Triode	5	4	9	8	6	---	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test
5GX7	Pentode	4	4	5	7	6	---	7	6	2	4 - 5	Depress 1 - 3 together
5HA7	Triode-1	1	2	35	10	6	---	---	5	1	2 - 4	Key at 3
5HA7	Triode-2	2	4	36	10	6	---	---	2	1	2 - 4	Key at 5
5HB7	Triode	1	4	25	10	6	1	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test
5HB7	Pentode	4	4	9	10	6	1	7	6	2	4 - 5	Depress 1 - 3 together
5HC7	Triode-1	2	1	26	14	6	---	---	7	9	1 - 12	Key at 0; Use red grid cap
5HC7	Triode-2	2	7	34	10	6	---	---	8	4	5 - 7	Key at 6
5HG8	Triode	1	4	5	10	6	---	---	7	6	4 - 5	May show short on 1 - 3; Cathode short test
5HG8	Pentode	1	4	7	25	6	---	9	8	2	4 - 5	Depress 1 - 3 together
5HZ6		4	3	15	15	6	---	6	5	1	3 - 4	
5JK6		1	3	9	16	6	---	6	5	1	3 - 4	
5JL6		1	3	2	17	6	---	6	5	1	3 - 4	
5JW8	Triode	5	4	10	15	6	---	---	1	9	4 - 5	
5JW8	Pentode	4	4	7	11	6	---	3	6	2	4 - 5	
5KD6	Triode	1	4	25	10	6	---	---	1	9	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		
5KD6	Pentode	1	4	18	25	6	---	3	6	2	4-5	
5KE8	Triode	2	4	32	10	6	---	---	1	9	4-5	
5KE8	Pentode	4	4	5	10	6	---	3	6	2	4-5	
5KZ8	Triode	3	4	15	18	6	---	---	1	9	4-5	
5KZ8	Pentode	4	4	9	10	6	---	7	6	2	4-5	
5LJ8	Triode	5	4	8	12	6	---	---	2	1	4-5	Must show short on 3 - 8; Cathode short test Depress 3 - 8 together
5LJ8	Pentode	5	4	0	26	6	---	7	6	9	4-5	
5MB8	Triode	5	4	10	12	6	---	---	2	1	4-5	
5MB8	Pentode	4	4	5	7	6	---	7	6	9	4-5	
5MF8	Pentode	2	7	5	17	6	1	3	12	2	7-9	Key at 8; Must show short on 1 - 2 Key at 5; Use red grid cap
5MF8	Triode	2	4	8	30	6	---	---	7	2	7-9	
5MHH3	Triode	1	3	16	13	6	---	---	2	5	3-4	
5MHH3	Triode	1	3	16	13	6	---	---	1	6	3-4	
5MK9		2	3	0	4	6	---	---	5	---	3-4	
5MQ8	Triode	1	4	17	15	6	---	---	1	9	5	
5MQ8	Pentode	1	4	17	21	6	---	3	6	2	5	
5P29		1	2	13	10	6	---	4	11	5	2-7	
5RDDH1	Diode-1	3	4	0	20	5	---	---	1	---	5	
5RDDH1	Diode-2	3	4	0	20	5	---	---	6	---	5	
5RDDH1	Triode	3	4	16	25	5	---	---	7	8	5	
5RHP1	Triode	1	4	14	10	7	---	---	1	9	4-5	
5RHP1	Pentode	1	4	23	16	7	---	3	6	2	4-5	
5RHR1	Triode	1	4	11	13	6	---	---	1	9	4-5	
5RHR1	Pentode	1	4	30	17	6	---	3	6	2	4-5	
5RK16	Plate-1	5	5	0	5	6	---	---	1	---	4-5	
5RK16	Plate-2	5	5	0	5	6	---	---	8	---	4-5	
5U9	Triode	5	5	9	10	6	---	---	9	11	5-6	
5U9	Pentode	5	5	0	21	6	---	8	7	3	5-6	
5V9	Triode	5	5	8	10	6	---	---	11	8	5-6	
5V9	Pentode	5	5	5	21	6	---	4	7	3	5-6	
5X9	Triode	5	5	10	14	6	---	---	9	11	5-6	
5X9	Pentode	2	5	0	39	6	---	8	7	3	5-6	
6AC9	Diode	3	1	0	15	1	7	---	---	2	1-11	Key at 0; May show short on 3 Key at 7
6AC9	Pentode	4	6	7	8	7	---	4	5	3	1-11	
6AC10	Triode-1	1	4	14	19	7	---	---	2	1	4-6	Key at 5
6AC10	Triode-2	1	1	14	19	7	---	---	5	7	4-6	Key at 0
6AC10	Triode-3	1	2	14	19	7	---	---	5	1	4-6	Key at 3
6AD10	Pent-1	5	1	5	23	7	---	6	7	3	1-11	Key at 0
6AD10	Pent-2	5	7	5	7	7	---	3	4	1	1-11	Key at 6
6AF9	Pent-1	1	5	7	11	7	---	9	11	8	5-6	May show short on 2
6AF9	Pent-2	1	5	15	16	7	---	3	4	1	5-6	

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		
6AF11	Triode-1	2	1	19	21	7	---	---	8	6	1 - 12	Key at 0; Use red grid cap
6AF11	Triode-2	2	1	19	23	7	---	---	4	3	1 - 12	
6AF11	Pentode	2	6	5	21	7	---	2	7	3	4 - 6	Key at 5
6AG9		5	1	10	14	7	---	---	7	5	1 - 11	Key at 0
6AG9		1	5	8	13	7	---	3	8	4	1 - 11	Key at 6
6AG11	Triode-1	2	9	16	23	7	---	---	2	3	7 - 9	Key at 8
6AG11	Diode-1	3	9	0	16	7	---	---	5	---	7 - 9	Key at 8
6AG11	Triode-2	2	3	16	23	7	---	---	8	7	1 - 3	Key at 2
6AG11	Diode-2	3	3	0	16	7	---	---	5	---	1 - 3	Key at 2
6AG12		1	7	0	28	11	---	6	8	7	1 - 9	
6AH9	Triode	1	1	8	13	7	---	---	3	2	1 - 11	Key at 0; Will show short on 5 - 6
6AH9	Pentode	1	6	5	12	7	---	2	5	11	1 - 11	Key at 7
6AJ9	Triode	5	5	8	10	7	---	---	9	11	5 - 6	
6AJ9	Pentode	5	5	5	30	7	---	8	7	3	5 - 6	
6AK9	Pentode	2	7	31	14	7	---	---	6	5	9	Key at 8
6AK9	Triode-1	2	7	27	13	7	---	---	4	3	9	
6AK9	Triode-2	2	1	31	13	7	---	---	2	3	11	Key at 0
6AK10	Triode-2	2	1	5	35	7	---	---	5	7	11	Key at 0
6AK10	Triode-3	2	5	5	34	7	---	---	8	4	7	Key at 6
6AK10	Triode-1	2	7	5	32	7	---	---	5	4	9	Key at 8
6AL9	Triode	2	1	14	30	7	---	---	9	7	1 - 3	Key at 2
6AL9	Pentode	2	6	10	15	7	---	2	7	3	4 - 6	Key at 5
6AL11	Pent-1	4	1	17	10	7	---	9	8	5	1 - 3	Key at 2; Use red grid cap
6AL11	Pent-2	4	5	2	10	7	---	3	4	1	5 - 7	Key at 6
6AM5		1	3	31	10	7	---	7	5	1	3 - 4	
6AN6	Diode-1	3	1	0	19	7	---	---	2	---	1 - 7	
6AN6	Diode-2	3	1	0	19	7	---	---	3	---	1 - 7	
6AN6	Diode-3	3	1	0	19	7	---	---	4	---	1 - 7	
6AN6	Diode-4	3	1	0	19	7	---	---	5	---	1 - 7	
6AQ4		4	3	5	5	7	1	---	7	6	3 - 4	
6AQ8	Triode-1	1	4	25	11	7	---	---	6	7	4 - 5	
6AQ8	Triode-2	1	4	25	11	7	---	---	1	2	4 - 5	
6AR8	Pent-1	4	4	6	22	7	---	3	9	6	4 - 5	
6AR8	Pent-2	4	4	6	22	7	---	3	8	6	4 - 5	
6AR11	Pent-2	1	3	7	30	7	---	5	4	7	1 - 3	Key at 2
6AR11	Pent-1	1	9	7	30	7	---	4	3	5	7 - 9	Key at 8
6AS11	Triode-1	2	1	20	20	7	---	---	8	6	1 - 12	Key at 0; Use red grid cap
6AS11	Triode-2	2	1	20	20	7	---	---	4	3	1 - 12	
6AS11	Pentode	2	6	15	14	7	---	2	7	3	4 - 6	Key at 5
6AT7N	Triode-1	1	4	26	13	7	---	---	6	7	4 - 5	
6AT7N	Triode-2	1	4	26	13	7	---	---	1	2	4 - 5	
6AV11	Triode-1	1	6	15	15	7	---	---	2	1	4 - 6	Key at 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		
6AV11	Triode-3	1	6	15	15	7	---	---	7	3	4 - 6	
6AV11	Triode-2	1	3	15	15	7	---	---	7	9	1 - 3	Key at 2
6AX3	*	1	4	0	4	7	2	---	9	---	4 - 6	*Use G-140 adapter; Connect red grid cap to G-140 plug; Key at 5; Must show short on 2 - 9; Plate short test - Depress 2 - 9 together
6AX8	Triode	1	4	28	8	7	---	---	1	9	4 - 5	
6AX8	Pentode	1	4	14	29	7	---	3	6	2	4 - 5	
6AY3		1	4	0	4	7	2	---	7	---	4 - 5	Must show short on 2 - 7
6AY11	Diode-2	3	1	0	17	7	---	---	3	---	1 - 12	Key at 0; Use red grid cap
6AY11	Triode-2	4	1	13	9	7	---	---	6	5	1 - 12	
6AY11	Triode-1	4	1	13	9	7	---	---	7	8	1 - 12	
6AY11	Diode-1	3	3	0	17	7	---	---	1	---	3 - 5	Key at 4
6B10	Triode-1	1	1	28	10	7	---	---	6	5	1 - 11	Key at 0
6B10	Triode-2	1	1	28	10	7	---	---	4	3	1 - 11	
6B10	Diode-1	3	7	0	16	7	---	---	3	---	1 - 11	Key at 6
6B10	Diode-2	3	7	0	16	7	---	---	1	---	1 - 11	
6B32	Diode-1	3	3	0	17	7	---	---	7	---	3 - 4	
6B32	Diode-2	3	3	0	17	7	---	---	2	---	3 - 4	
6BA3		3	4	0	16	7	7	---	2	---	4 - 5	May show short on 2 - 7
6BA11	Pent-1	4	81	27	28 26	7	---	73	82	84	3 - 5	Key at 4; Use red grid cap
6BA11	Pent-2	4	1	21 27	26	7	---	3	6	4	1 - 12	Key at 0
6BA11	Triode	3	71	16	17	7	---	---	811	49	7 - 9	Key at 8
6BB14	*	5	4	0	5	7	2 - 7	6	11	1	4 - 5	* Must use magnoval adapter; Must show short on 1 - 2 - 3 - 6 - 7 - 8; Cap goes to top of tube
6BD11	Triode-2	4	1	2	10	7	---	---	4	3	1 - 12	Key at 0; Use red grid cap
6BD11	Triode-1	4	1	2	10	7	---	---	8	6	1 - 12	
6BD11	Pentode	4	4	3	10	7	---	2	7	3	4 - 6	Key at 5
6BE3		3	1	0	16	7	12	---	6	---	1 - 3	Key at 2; Must show short on 6 - 12; Use red grid cap
6BE7		5	4	10	32	7	---	1	6	7	4 - 5	Must show short on 3 - 8
6BF8	Diode-1	3	4	0	16	7	---	---	9	---	4 - 5	
6BF8	Diode-2	3	4	0	16	7	---	---	8	---	4 - 5	
6BF8	Diode-3	3	4	0	16	7	---	---	7	---	4 - 5	
6BF8	Diode-4	3	4	0	16	7	---	---	3	---	4 - 5	
6BF8	Diode-5	3	4	0	16	7	---	---	2	---	4 - 5	
6BF8	Diode-6	3	4	0	16	7	---	---	1	---	4 - 5	
6BF11	Sect-1	4	1	23	15	7	---	6	7	3	1 - 12	Key at 0; Use red grid cap
6BF11	Sect-2	1	7	7	10	7	---	5	6	3	7 - 9	Key at 8
6BH11	Triode-1	5	1	10	11	7	---	---	3	4	1 - 11	Key at 0
6BH11	Triode-2	5	1	10	11	7	---	---	7	6	1 - 11	

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		
6BH11	Pentode	4	6	8	8	7	---	3	4	2	1 - 11	Key at 7
6BJ3		3	1	0	16	7	---	---	4	---	1 - 12	Key at 0; Use red grid cap
6BK4		4	2	15	50	7	---	---	11	5	2 - 7	May show short on 1 - 3 - 4 - 6 - 8; OK past 1/3 scale
6BK8		5	4	0	28	7	---	1	6	9	4 - 5	May show short on 2 - 7
6BK11	Triode-1	1	6	20	23	7	---	---	2	1	4 - 6	Key at 5
6BK11	Triode-3	1	6	20	23	7	---	---	7	3	4 - 6	
6BK11	Triode-2	1	3	20	23	7	---	---	7	9	1 - 3	Key at 2
6BN11	Pent-1	5	6	0	28	7	---	3	5	1	6 - 8	Key at 7
6BN11	Pent-2	5	1	0	28	7	---	6	7	5	6 - 8	
6BR3		3	4	0	15	7	2	---	9	---	4 - 5	May show short on 2 - 9
6BR7	Triode	1	9	16	17	5	---	---	1	2	4 - 5 - 9	
6BR7	Diode-1	3	9	0	18	5	---	---	7	---	4 - 5 - 9	
6BR7	Diode-2	3	9	0	18	5	---	---	6	---	4 - 5 - 9	
6BS3		3	4	0	15	7	7	---	2	---	4 - 5	Must show short on 2 - 7
6BT6	Triode	1	3	12	29	7	---	---	7	1	3 - 4	
6BT6	Diode-1	3	3	0	25	7	---	---	5	---	3 - 4	
6BT6	Diode-2	3	3	0	25	7	---	---	6	---	3 - 4	
6BV11	Pent-1	4	6	9	15	7	---	3	4	1	6 - 8	Key at 7
6BV11	Pent-2	4	1	9	15	7	---	6	5	8	6 - 8	Key at 2
6BW3		3	1	0	15	7	---	---	4	---	1 - 11	Key at 0
6BW6		1	4	7	20	7	1	8	7	2	4 - 5	Must show short on 1 - 2
6BW11	Pent-1	4	6	0	17	7	---	3	2	5	6 - 8	Key at 7
6BW11	Pent-2	4	1	0	22	7	---	6	7	5	6 - 8	Key at 2
6BX4		2	3	0	3	7	---	---	1	---	3 - 4	
6BX4		2	3	0	3	7	---	---	6	---	3 - 4	
6BY8	Pentode	1	4	20	19	7	---	8	7	1	4 - 5	
6BY8	Diode	3	4	0	16	7	---	---	6	---	4 - 5	
6BY11	Pent-1	4	1	5	23	7	---	6	7	3	1 - 12	Key at 0; Use red grid cap
6BY11	Pent-2	1	7	5	7	7	---	5	6	3	7 - 9	Key at 8
6BZ3		3	1	0	15	7	---	---	4	---	1 - 11	Key at 0
6C9	Tetrode-1	4	4	5	7	7	---	8	9	7	4 - 5	
6C9	Tetrode-2	3	4	9	23	7	---	2	3	1	4 - 5	
6C10 *	Triode-2	1	1	32	10	7	---	---	5	7	1 - 12	*Use G-140 adapter; Connect red grid cap to G-140 plug; Key at 0
6C10 *	Triode-1	1	6	32	10	7	---	---	2	1	1 - 12	*Use G-140 adapter; Connect red grid cap to G-140 plug; Key at 5
6C10 *	Triode-3	1	6	32	10	7	---	---	7	3	1 - 12	*Use G-140 adapter; Connect red grid cap to G-140 plug; Key at 5
6C16	Triode	1	4	14	10	7	---	---	1	9	4 - 5	
6C16	Pentode	1	4	23	16	7	---	3	6	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		
6C18	Triode	5	4	7	10	7	---	---	1	9	4 - 5	Must show short on 6 - 8; Cathode short test Depress 6 - 8 together
6C18	Pentode	5	4	0	22	7	---	2	3	7	4 - 5	
6CA11	Triode-1	3	1	8	26	7	---	---	2	3	11	Key at 0; May show short on 7
6CA11	Triode-2	3	1	8	24	7	---	---	4	6	11	
6CA11	Pentode	3	7	3	23	7	---	5	6	3	9	Key at 8
6CC31	Triode-1	1	3	16	13	7	---	---	2	5	3 - 4	
6CC31	Triode-2	1	3	16	13	7	---	---	1	6	3 - 4	
6CC42	Triode-1	1	1	27	10	7	---	---	6	7	1 - 9	
6CC42	Triode-2	1	1	27	10	7	---	---	4	3	1 - 9	
6CC43	Triode-1	1	4	25	11	7	---	---	6	7	4 - 5	
6CC43	Triode-2	1	4	25	11	7	---	---	1	2	4 - 5	
6CD3		5	1	0	5	7	---	---	4	---	1 - 11	Key at 0
6CE3		5	1	0	5	7	---	---	4	---	1 - 11	Key at 0
6CF8		1	4	17	30	7	---	1	6	9	4 - 5	May show short on 2 - 7
6CG3		5	1	0	5	7	---	---	4	---	1 - 11	Key at 0
6CG8	Triode	1	4	18	12	7	---	---	2	1	4 - 5	Must show short on 3 - 8; Cathode short test Depress 3 - 8 together
6CG8	Pentode	1	4	25	28	7	---	7	6	9	4 - 5	
6CH3		1	4	0	4	7	2	---	7	---	4 - 5	Must show short on 2 - 7
6CH40		1	4	14	31	7	---	1	6	2	4 - 5	
6CH40		1	4	25	10	7	---	---	1	2	4 - 5	
6CH40		1	4	25	13	7	---	---	8	9	4 - 5	
6CJ3		3	4	0	16	7	7	---	2	---	4 - 5	Must show short on 2 - 7
6CJ6		5	4	5	6	7	7	8	11	2	4 - 5	Must show short on 1 - 6 - 7 - 8 - 9
6CK3		1	4	0	4	7	2	---	7	---	4 - 5	Must show short on 2 - 7
6CK6		5	4	7	9	7	---	1	7	2	4 - 5	
6CL3		3	4	0	16	7	2	---	7	---	4 - 5	Must show short on 2 - 7
6CL8	Triode	1	4	22	10	7	---	---	2	1	4 - 5	
6CL8	Tetrode	4	4	9	10	7	---	7	6	9	4 - 5	
6CM3		3	4	0	17	7	2	---	7	---	4 - 5	Must show short on 2 - 7
6CM4		1	4	10	9	7	6 - 8 - 9	---	1	2	4 - 5	Must show short on 1 - 2 - 3 - 6 - 7 - 8 - 9; Cathode short test - Depress 3 - 7 together
6CM5		2	2	1	7	7	1	4	12	5	2 - 7	Must show short on 1 - 3 - 4 - 8; Use red grid cap; Cathode short test - Depress 3 - 8 together
6CR8	Triode	1	4	10	12	7	---	---	1	9	4 - 5	
6CR8	Pentode	4	4	7	8	7	---	7	6	2	4 - 5	
6CT3		3	4	0	17	7	2	---	6	---	4 - 5	Must show short on 2 - 6
6CW4	*	5	4	9	10	7	---	---	1	2	4 - 5	*Use G-140 adapter; Connect red grid cap to G-140 plug

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		
6D1		1	3	15	26	7	1	---	5	6	3 - 4	Must show short on 1 - 5
6D10 *	Triode-2	1	1	30	10	7	---	---	5	7	1 - 12	*Use G-140 adapter; Connect red grid cap to G-140 plug; Key at 0
6D10 *	Triode-1	1	6	30	10	7	---	---	2	1	1 - 12	*Use G-140 adapter; Connect red grid cap to G-140 plug; Key at 5
6D10 *	Triode-3	1	6	30	10	7	---	---	7	3	1 - 12	*Use G-140 adapter; Connect red grid cap to G-140 plug; Key at 5
6DE6		1	3	12	26	7	---	6	5	1	3 - 4	
6DE7	Triode-1	1	4	21	15	7	---	---	6	7	4 - 5	Must show short on 2 - 3
6DE7	Triode-2	2	4	7	8	7	2	---	1	3	4 - 5	
6DK3		3	4	0	20	7	3 - 9	---	2 - 7	---	4 - 5	
6DL3		3	4	0	17	7	*	---	7	---	4 - 5	* 2 - 3 - 6 - 8 - 9
6DL4		5	4	8	9	7	---	---	8	9	4 - 5	Must show short on 1 - 3 - 6 - 7 - 9
6DM4		1	7	---	4	7	---	---	5	---	7 - 8	
6DN3		3	5	0	16	7	2	---	7	---	4 - 5	Must show short on 2 - 7
6DQ3	*	5	1	0	6	7	---	---	4	---	1 - 11	* Key at 0
6DQ4		3	7	0	15	7	---	---	5	---	7 - 8	
6DQ6		1	2	0	4	7	---	4	11	5	2 - 7	
6DR4		1	3	15	26	7	1	---	5	6	3 - 4	Must show short on 1 - 5
6DR7	Triode-1	1	4	20	25	7	---	---	6	7	4 - 5	Must show short on 2 - 3
6DR7	Triode-2	2	4	21	5	7	2	---	1	3	4 - 5	
6DS4		5	4	12	10	7	---	---	1	2	4 - 5	
6DS5		1	3	13	14	7	1	6	5	7	3 - 4	Must show short on 1 - 7; Grid short test - Depress 1 - 7 together
6DT3	*	3	1	0	19	7	---	---	4	---	11	Key at 0
6DT4		1	7	0	4	7	1	---	5	---	7 - 8	Must show short on 1 - 5
6DU3	*	5	1	0	6	7	---	---	4	---	1 - 11	* Key at 0
6DV4		5	3	6	8	7	1 - 4	---	2	6	3 - 5	Must show short on 1 - 2 - 4 - 6
6DW4		3	4	0	16	7	7	---	2	---	4 - 5	Must show short on 2 - 7
6DY5		1	4	7	10	7	---	9	7	2	4 - 5	
6DZ4		2	3	19	10	7	1 - 2	---	7	6	3 - 4	Must short on 1 - 2 - 6 - 7
6DZ8	Triode	1	4	20	18	7	---	---	9	1	4 - 5	
6DZ8	Pentode	2	4	7	12	7	---	7	6	3	4 - 5	
6E8	Pentode	4	2	29	24	7	---	4	3	11	2 - 7	
6E8	Triode	1	2	33	28	7	---	---	6	5	2 - 7	
6EA4		5	1	50	50	7	---	---	11	8	1 - 3	Key at 2; Must show short on 4 - 7; Cap goes to top of tube; OK if reads above 30
6EC4	*	3	4	0	16	7	7 - 8	---	2	---	4 - 5	* Must use magnoval adapter; Must show short on 2 - 7 - 8; Cap goes to top of tube
6ED4	*	4	4	10	45	7	---	---	11	8	4 - 5	* Must use magnoval adapter; Must show short on 1 - 2 - 3 - 6 - 7 - 9; OK if reads above 30; Cap goes to top of tube

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		
6EF4		4	2	20	41	7	---	---	11	9	2 - 4	Key at 3; Black cap goes to top of tube
6EH4		5	1	50	50	7	---	---	11	8	1 - 3	Key at 2; Must show short on 4 - 7; Cap goes to top of tube; OK if reads above 25
6EJ4		4	2	22	45	7	---	---	11	9	2 - 4	Must show short on 1 - 5; Cap goes to top of tube
6EL4		4	2	15	50	7	---	---	11	5	2 - 7	May show short on 1 - 3 - 4 - 6 - 8; OK past 1/3 scale
6EN4		4	2	13	50	7	*	---	11	5	2 - 7	* 3 - 4 - 6 - 8; OK past 1/3 scale
6EX6		1	2	0	4	7	---	---	11	5	2 - 7	
6F10		1	2	6	26	7	---	8	11	5	2 - 7	
6F19		4	4	5	10	7	---	6	8	4	2 - 7	
6F21		4	3	14	10	7	---	8	7	2	4 - 5	Must show short on 1 - 3
6F22		1	4	17	30	7	---	7	5	1	3 - 4	
6F26		4	4	5	10	7	---	1	6	9	4 - 5	Must show short on 2 - 7
6F29		1	4	5	23	7	---	8	7	2	4 - 5	Must show short on 1 - 3
6F30		1	4	5	25	7	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
6F33		1	3	11	32	7	---	6	5	1	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
6F35		1	3	13	17	7	---	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
6FD6		1	3	8	20	7	---	6	5	1	3 - 4	
6FD10		2	2	5	9	7	---	---	6	8	4 - 5	
6FJ7 *	Triode-1	1	5	26	10	7	---	---	4	3	5 - 7	*Use G-140 adapter; Connect red grid cap to G-140 plug; Key at 6
6FJ7 *	Triode-2	1	1	5	10	7	---	---	5	3	5 - 7	*Use G-140 adapter; Connect red grid cap to G-140 plug; Key at 0
6FM7	Triode-1	4	5	0	30	7	---	---	4	9	5 - 7	Key at 6; Must show short on 1 - 9
6FQ7	Triode-1	1	4	19	14	7	---	---	7	5	1 - 3	Key at 2; Red grid cap goes to top of tube
6FQ7	Triode-2	1	4	19	14	7	---	---	6	7	4 - 5	
6FR7	Triode-1	4	4	10	13	7	---	---	1	2	4 - 5	
6FR7	Triode-2	2	4	5	6	7	---	---	6	7	4 - 5	Must show short on 2 - 3
6FY7	Triode-1	4	4	15	10	7	2	---	1	3	4 - 5	
6FY7	Triode-2	1	1	0	9	7	---	---	3	2	4 - 6	Key at 5; Use red grid cap
6G11	Pent-1	2	7	5	7	7	---	---	7	5	1 - 3	Key at 2
6G11	Pent-2	3	1	11	23	7	---	3	4	1	5 - 7	Key at 6
6GA7	Pentode	3	3	4	19	9	---	9	8	5 - 6	1 - 3	Key at 2
6GA7	Diode	3	7	0	18	9	---	4 - 5	9	6	1 - 3	Key at 2; Must show short on 4 - 5
6GB3		3	2	0	17	7	---	---	4	---	5 - 7	Key at 6; Must show short on 8 - 9
							---	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		
6GB5	*	3	4	2	16	7	2 - 7 - 8	6	12	1	4 - 5	* Must use magnoval adapter; Must show short on 1 - 2 - 3 - 6 - 7 - 8; Cathode short test - Depress 3 - 8 together; Red grid cap goes to top of tube
6GB6		3	2	0	17	7	---	4	11	5	2 - 7	
6GB7		2	2	7	10	7	---	4	11	5	2 - 7	
6GB9		2	2	7	10	7	---	4	11	5	2 - 7	
6GD7	Triode	5	4	7	11	7	---	---	2	1	4 - 5	Must show short on 3 - 8; Cathode short test - Depress 3 - 8 together
6GD7	Pentode	5	4	0	21	7	---	7	6	9	4 - 5	
6GE5		5	6	7	7	7	8 - 9	---	7 - 12	3	4 - 6	Key at 5; Must show short on 2 - 3 - 8 - 9; Use red grid cap; Cathode short test - Depress 2 - 9 together
6GF5		5	6	7	7	7	8 - 9	---	7 - 12	3	4 - 6	Key at 5; Must show short on 2 - 3 - 8 - 9; Use red grid cap; Cathode short test - Depress 2 - 9 together
6GF7	Triode-1	5	4	27	10	7	---	---	8	9	4 - 5	
6GF7	Triode-2	2	4	2	10	7	---	---	6	2	4 - 5	
6GJ5		1	4	2	5	7	1 - 2	7	12	6	4 - 5	Must show short on 1 - 2 - 6 - 7; Red grid cap goes to top of tube
6GJ7	Triode	5	4	7	8	7	---	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test - Depress 1 - 3 together
6GJ7	Pentode	1	4	0	38	7	---	7	6	2	4 - 5	
6GK6		1	4	10	10	7	---	8	7	2	4 - 5	Must show short on 3 - 9
6GK17		5	7	0	5	7	---	---	5	---	7 - 8	
6GL7	Triode-1	2	7	15	31	7	---	---	5	4	7 - 8	
6GL7	Triode-2	2	7	5	6	7	---	---	2	1	7 - 8	
6GM5		4	4	3	9	7	---	1	9	6	4 - 5	
6GM8	Triode-1	2	4	10	10	7	---	---	6	7	4 - 5	
6GM8	Triode-2	2	4	10	10	7	---	---	1	2	4 - 5	
6GN8	Triode	4	4	9	10	7	---	---	3	2	4 - 5	
6GN8	Pentode	1	4	18	10	7	---	8	9	7	4 - 5	
6GQ7	Diode-1	3	4	0	15	7	---	---	8	---	4 - 5	
6GQ7	Diode-2	3	4	0	15	7	---	---	6	---	4 - 5	
6GQ7	Diode-3	3	4	0	15	7	---	---	2	---	4 - 5	
6GS7	Triode	5	4	7	10	7	---	---	2	1	4 - 5	
6GS7	Pentode	5	4	0	21	7	---	7	6	9	4 - 5	
6GT5		2	4	6	7	7	1 - 2	7	9	6	4 - 5	Must show short on 1 - 2 - 6 - 7
6GU5		4	3	5	10	7	2	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together
6GU7	Triode-1	1	4	15	9	7	---	---	6	7	4 - 5	
6GU7	Triode-2	1	4	15	9	7	---	---	1	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		
6GV5		2	4	1	9	7	2	7	12	9	3 - 5	Key at 4; Must show short on 1 - 2 - 7 - 8; Use red grid cap; Cathode short test - Depress 1 - 8 together
6GV7	Triode	5	4	7	10	7	---	---	1	9	4 - 5	Must show short on 6 - 8; Cathode short test - Depress 6 - 8 together
6GV7	Pentode	5	4	0	22	7	---	2	3	7	4 - 5	
6GV8	Triode	2	4	34	10	7	---	---	1	2	4 - 5	
6GV8	Pentode	2	4	7	10	7	---	7	6	9	4 - 5	
6GW5		5	3	7	8	7	2	---	1	6	3 - 4	Must show short on 2 - 6
6GW6		3	2	0	17	7	---	4	11	5	2 - 7	
6GW8	Triode	4	4	15	10	7	---	---	9	1	4 - 5	
6GW8	Pentode	1	4	19	10	7	---	3	6	8	4 - 5	
6GX6		1	3	10	36	7	---	6	5	1	3 - 4	
6GX7	Triode	5	4	9	12	7	---	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
6GX7	Pentode	1	4	15	24	7	---	7	6	2	4 - 5	
6GX8	Triode	5	4	9	14	7	---	---	1	8	4 - 5	
6GX8	Eye	7	4	0	0	7	---	---	6 - 7	---	4 - 5	See instructions for eye test
6GY5	*	3	3	3	15	7	2	7	11	9	3 - 5	* Key at 4; Must show short on 1 - 2 - 7 - 8; Cathode short test - Depress 1 - 8 together; Black grid cap goes to top of tube
6GY6		1	3	10	32	7	---	6	5	1 - 7	3 - 4	
6GY8	Triode-1	2	4	0	10	7	---	---	6	---	4 - 5	
6GY8	Triode-2	1	4	30	10	7	---	---	9	3	4 - 5	
6GY8	Triode-3	1	4	31	10	7	---	---	2	1	4 - 5	
6GZ5		1	3	11	14	7	5	6	7	2	3 - 4	Must show short on 2 - 5
6HA5		1	3	13	10	7	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
6HA6		5	4	6	9	7	6	8	7	2	4 - 5	Must show short on 3 - 6 - 8 - 9
6HB5	*	3	1	3	17	7	---	2	7	3	1 - 12	* Key at 0; Use red grid cap
6HB6		2	4	5	16	7	6	8	7	2	4 - 5	May show short on 3 - 6 - 8 - 9
6HB7	Triode	1	4	25	10	7	1	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
6HB7	Pentode	4	4	9	10	7	1	7	6	2	4 - 5	
6HC8	Triode	4	4	10	10	7	---	---	9	1	4 - 5	
6HC8	Pentode	1	4	15	10	7	---	7	6	3	4 - 5	
6HD5	*	5	1	0	5	7	9	5	7	3	1 - 11	* Key at 0; Must show short on 5 - 9
6HD7	Triode	5	4	10	14	7	---	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
6HD7	Pentode	4	4	6	7	7	---	7	6	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		
6HE5	*	1	1	35	10	7	12	5	8	4	1 - 3	* Key at 2; Must show short on 5 - 12; Use red grid cap
6HE7 *	Diode	3	1	0	15	7	---	---	2	---	1 - 11	* Key at 0
6HE7 *	Pentode	5	6	0	5	7	4	5	11	3	6 - 8	* Key at 7; CAUTION: Throw lever 4 to "W" position before inserting tube
6HF5	*	1	3	0	4	7	2	7	12	9	3 - 5	* Key at 4; Must show short on 1 - 2 - 7 - 8; Cathode short test - Depress 1 - 8 together; Use red grid cap
6HF8	Triode	2	4	36	10	7	---	---	3	2	4 - 5	
6HF8	Pentode	1	4	26	10	7	1	6	5	7	3 - 4	
6HG5		1	3	29	10	7	1	6	5	7	3 - 4	Must show short on 1 - 7
6HJ5	*	1	1	0	4	7	9	5	7	3	1 - 11	* Key at 0; Must show short on 5 - 9
6HJ7	Triode	5	4	5	16	7	---	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test
6HJ7	Pentode	4	4	5	8	7	---	7	6	2	4 - 5	Depress 1 - 3 together
6HJ8	Pentode	1	4	11	22	7	---	3	6	2	4 - 5	
6HJ8	Diode	3	4	0	16	7	---	---	8	---	4 - 5	
6HK5		1	3	14	10	7	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test
6HL5		5	4	0	6	7	1	9	7	2	4 - 5	Depress 2 - 7 together
6HL7		1	6	5	10	7	---	8	7	2	4 - 5	Must show short on 1 - 2
6HL8	Triode	2	4	27	12	7	---	---	1	9	4 - 5	Must show short on 3 - 9
6HL8	Pentode	4	4	9	7	7	---	3	6	2	4 - 5	
6HM5		2	3	25	14	7	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test
6HM6		5	4	0	16	7	---	8	7	2	4 - 5	Depress 2 - 7 together
6HQ5		1	3	10	8	7	2	---	5	1	3 - 4	Must show short on 1 - 3; Cathode short test
6HR5		1	3	32	8	7	1	6	5	7	3 - 4	Depress 1 - 3 together
6HR6		4	3	6	10	7	---	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test
6HS5		5	1	5	30	7	---	---	7	2	1 - 11	Depress 2 - 7 together
6HS6		1	3	15	19	7	---	6	5	1	3 - 4	Must show short on 1 - 7
6HT5		4	2	18	50	7	---	---	11	9	2 - 4	Key at 0
6HT6		4	4	4	10	7	3	8	7	2	4 - 5	Key at 3; May show short on 1 - 5 - 7; OK above 1/3 scale; Cap goes to top of tube
6HU6	Triode	5	4	15	20	7	---	---	9	1	4 - 5	Must show short on 1 - 3; Cathode short test
6HU6	Eye	7	4	0	0	7	2 - 8	---	6 - 7	---	4 - 5	Depress 1 - 3 together
6HU8	Pent-1	5	4	6	8	7	---	1	3	2	4 - 5	Must show short on 2 - 6 - 8; Target short test - Depress 2 - 6 - 8 together
6HU8	Pent-2	5	4	6	8	7	---	9	8	6	4 - 5	See instructions for eye test

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		
6HV5		5	1	5	30	7	---	---	7	2	1 - 11	Key at 0
6HW8	Plate-1	4	4	5	20	7	---	3	8 - 9	6	4 - 5	
6HW8	Plate-2	4	4	5	20	7	---	3	1 - 2	6	4 - 5	
6HZ5	*	5	1	30	12	7	---	---	7	2	1 - 11	* Key at 0
6HZ6		4	3	15	15	7	---	6	5	1	3 - 4	
6J9	Triode-1	5	4	7	16	7	---	---	8	7	4 - 5	
6J9	Triode-2	5	4	7	16	7	---	---	6	9	4 - 5	
6J9	Triode-3	5	4	7	16	7	---	---	1	2	4 - 5	
6J10	Sect-1	1	5	21	11	7	---	8	2	4	5 - 7	Key at 6; Use red grid cap
6J10	Sect-2	1	1	0	25	7	---	---	4 - 6	---	1 - 12	Key at 0
6J11	Pent-2	1	3	5	31	7	---	4	5	7	1 - 3	Key at 2
6J11	Pent-1	1	9	5	31	7	---	2	4	6	7 - 9	Key at 8
6JA5	*	1	1	5	5	7	12	5	8	4	1 - 3	* Key at 2; May show short on 5 - 6 - 12; Use red grid cap
6JA8	Triode	2	4	35	10	7	---	---	3	2	4 - 5	Must show short on 1 - 2 - 6 - 7; Red grid cap goes to top of tube
6JA8	Tetrode	2	4	12	15	7	---	8	9	7	4 - 5	
6JB5	*	1	1	35	10	7	12	5	8	---	1 - 3	* Key at 2; Must show short on 5 - 12; Use red grid cap
6JB6		2	4	1	6	7	1 - 2	7	12	6	4 - 5	Must show short on 1 - 2 - 6 - 7; Red grid cap goes to top of tube
6JC5	*	1	1	23	10	7	12	5	8	4	1 - 3	* Key at 2; Must show short on 5 - 12; Use red grid cap
6JC6		1	4	5	24	7	3	8	7	2	4 - 5	Must short on 1 - 3; Cathode short test - Depress 1 - 3 together
6JC8	Triode	1	4	27	10	7	7	---	9	8	4 - 5	Cathode short test - Depress 1 - 7 together
6JC8	Pentode	4	4	19	9	7	7	3	6	2	4 - 5	
6JD5	*	5	1	30	12	7	---	---	7	2	1 - 11	* Key at 0
6JD6		1	4	8	20	7	3	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test - Depress 1 - 3 together
6JE6		3	4	0	17	7	1 - 2	7	12	6	4 - 5	Must show short on 1 - 2 - 6 - 7; Red grid cap goes to top of tube
6JF6		5	4	0	6	7	1-2-9	7	12	6	4 - 5	Must show short on 1 - 2 - 6 - 7; Red grid cap goes to top of tube
6JG5		3	4	3	23	7	---	8	9	7	5	
6JG6		1	4	10	28	7	1	6	9	2	4 - 5	Must show short on 1 - 7
6JH5	*	3	1	10	25	7	#	3	7	2	12	* Key at 0; # 8 - 10 - 11; Must show short on 7 - 8; Use red grid cap; Plate short test - Depress 7 - 8 together
6JH6		4	3	7	10	7	---	6	5	1	3 - 4	
6JH8	Sect-1	4	4	18	19	7	---	3	9	6	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		
6JH8	Sect-2	4	4	18	20	7	---	3	8	6	4 - 5	
6JK5	*	3	1	10	25	7	#	3	7	2	12	* Key at 0; # 8 - 10 - 11; Must show short on 7 - 8; Use red grid cap; Plate short test - Depress 7 - 8 together
6JK6		1	3	9	16	7	---	6	5	1	3 - 4	
6JK8	Triode-1	1	4	23	10	7	---	---	6	7	4 - 5	
6JK8	Triode-2	1	4	15	10	7	---	---	1	2	4 - 5	
6JL6		1	3	2	17	7	---	6	5	1	3 - 4	
6JM6		5	2	0	5	7	---	6	11	8	2 - 4	Key at 3; Black cap goes to top of tube
6JN6		1	4	0	5	7	---	8	11	3	4 - 6	Key at 5; Will show short on 2 - 9
6JN8	Triode	2	4	15	18	7	---	---	2	1	4 - 5	
6JN8	Pentode	1	4	15	22	7	---	7	6	9	4 - 5	
6JQ6	Pentode	1	4	10	5	7	2 - 7	3	1	8	4 - 5	
6JQ6	Diode	3	4	0	22	7	---	---	6	---	4 - 5	
6JR6		4	4	5	20	7	1	6	9	2	4 - 5	Must show short on 1 - 7
6JS6		5	4	0	6	7	1	6	11	8	2 - 4	Key at 3; Black cap goes to top of tube; Must show short on 1 - 6
6JT6		1	4	2	5	7	---	---	3	2	4 - 5	Must show short on 1 - 7
6JT8	Triode	4	4	10	9	7	---	---	3	2	4 - 5	
6JT8	Pentode	1	4	0	17	7	---	8	9	7	4 - 5	
6JU6		1	4	7	32	7	6	1	12	2	4 - 5	Red grid cap goes to top of tube; Must show short on 1 - 2 - 6 - 7
6JU8	Diode-1	3	4	0	16	7	7	---	8	---	4 - 5	Must show short on 2 - 8; Cathode short test - Depress 8 - 9 together; Cathode short test - Depress 2 - 3 together
6JU8	Diode-2	3	4	0	16	7	---	---	7	---	4 - 5	
6JU8	Diode-3	3	4	0	16	7	1	---	2	---	4 - 5	
6JU8	Diode-4	3	4	0	16	7	---	---	1	---	4 - 5	
6JV8	Triode	4	4	4	9	7	---	---	3	2	4 - 5	
6JV8	Pentode	4	4	3	10	7	---	8	9	7	4 - 5	
6JW8	Triode	5	4	10	15	7	---	---	1	9	4 - 5	
6JW8	Pentode	4	4	7	11	7	---	3	6	2	4 - 5	
6JX8	Triode	5	4	9	17	7	---	---	8	9	4 - 5	
6JX8	Heptode	5	4	6	16	7	---	7	6	2	4 - 5	
6JY8	Triode	1	4	16	11	7	---	---	3	2	4 - 5	
6JY8	Pentode	1	4	10	16	7	---	8	9	7	4 - 5	
6JZ6		2	2	0	6	7	---	6	11	8	2 - 4	Key at 3; Black cap goes to top of tube
6JZ8	Pentode	2	7	7	7	7	1	3	12	2	7 - 9	Key at 8; Must show short on 1 - 2
6JZ8	Triode	2	4	30	10	7	---	---	7	2	4 - 6	Key at 5; Use red grid cap
6K11 *	Triode-2	1	1	33	10	7	---	---	5	7	1 - 12	*Use G-140 adapter; Connect red grid cap to G-140 plug; Key at 0

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		
6K11 *	Triode-1	1	6	27	10	7	---	---	2	1	1 - 12	*Use G-140 adapter; Connect red grid cap to G-140 plug; Key at 5
6K11 *	Triode-3	1	6	33	10	7	---	---	7	3	1 - 12	*Use G-140 adapter; Connect red grid cap to G-140 plug; Key at 5
6KA8	Triode	4	4	2	10	7	---	---	1	2	4 - 5	
6KA8	Pentode	4	4	8	13	7	---	8	9	6	4 - 5	
6KD6		5	3	0	5	7	2	7	11	9	3 - 5	Key at 4; Must show short on 1 - 2 - 7 - 8; Cap goes to top of tube
6KD8	Triode	1	4	25	10	7	---	---	1	9	4 - 5	
6KD8	Pentode	1	4	18	25	7	---	3	6	2	4 - 5	
6KE8	Triode	2	4	32	10	7	---	---	1	9	4 - 5	
6KE8	Pentode	4	4	5	10	7	---	3	6	2	4 - 5	
6KF8	Pent-1	4	4	5	30	7	---	2	8	7	4 - 5	
6KF8	Pent-2	4	4	5	30	7	---	2	3	7	4 - 5	
6KG6	*	1	4	8	26	7	1-2-3	7	11	8	4 - 5	* Must use magnoval adapter; Must show short on 1 - 2 - 3 - 6 - 7 - 8; Black cap goes to top of tube
6KH8		3	4	35	20	7	---	---	1 - 9	2	4 - 5	
6KH8		1	4	23	15	7	---	9	3	2	4 - 5	
6KH8		1	4	23	15	7	---	9	8	6	4 - 5	
6KL8	Pentode	4	4	13	10	7	---	6	7	2	4 - 5	
6KL8	Diode	3	4	0	27	7	---	---	8	---	4 - 5	
6KM6		5	4	0	6	7	1 - 2	7	12	6	4 - 5	Must show short on 1 - 2 - 6 - 7; Red grid cap goes to top of tube
6KM8	Diode	3	4	0	27	7	---	---	3	---	4 - 5	Must show short on 4 - 9; Black cap goes to top of tube
6KM8	Tetrode-1	4	4	18	10	7	---	8	1	7	4 - 5	
6KM8	Tetrode-2	4	4	19	10	7	---	8	2	7	4 - 5	
6KM8	Tetrode-3	4	4	21	10	7	---	8	9	7	4 - 5	
6KN6		1	5	12	25	7	9	3	11	2	5 - 7	Key at 6; Must show short on 4 - 9; Black cap goes to top of tube
6KN8	Triode-1	1	4	5	9	7	---	---	6	7	4 - 5	
6KN8	Triode-2	1	4	5	9	7	---	---	1	2	4 - 5	
6KR8	Triode	1	4	7	13	7	---	---	3	2	4 - 5	
6KR8	Pentode	1	4	5	11	7	---	8	9	7	4 - 5	
6KS6		4	3	6	41	7	---	5	7	2 - 6	3 - 4	
6KS8	Triode	5	4	14	13	7	---	---	3	2	4 - 5	
6KS8	Pentode	1	4	11	15	7	---	---	8	9	4 - 5	
6KT6		5	4	0	20	7	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test
6KT8	Triode	4	4	6	6	7	---	---	3	2	4 - 5	Depress 1 - 3 together
6KT8	Pentode	2	4	0	44	7	---	8	9	7	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		
6KU8	Diode-1	3	4	0	24	7	2	---	3	---	4-5	
6KU8	Diode-2	3	4	0	24	7	3	---	2	---	4-5	
6KU8	Pentode	1	4	9	8	7	---	8	9	7	4-5	
6KV6		5	4	0	5	7	1	7	9	2	4-5	Must show short on 1 - 7
6KV8	Triode	1	4	31	10	7	---	---	3	2	4-5	
6KV8	Pentode	1	4	9	9	7	---	8	9	7	4-5	
6KX8	Triode-1	5	4	16	17	7	---	---	7	9	4-5	
6KX8	Triode-2	5	4	16	17	7	---	---	3	1	4-5	
6KY6		1	4	6	9	7	---	8	7	2	4-5	Must show short on 3 - 9
6KY8	Triode	1	4	12	24	7	---	---	8	9	4-5	
6KY8	Pentode	5	4	0	6	7	---	7	6	2	4-5	
6KZ8	Pentode	4	4	9	10	7	---	7	6	2	4-5	
6KZ8	Triode	3	4	15	18	7	---	---	1	9	4-5	
6LB6		5	3	0	5	7	2	7	11	9	3-5	Key at 4; Must show short on 1 - 2 - 7 - 8; Cap goes to top of tube
6LB8	Triode	1	4	18	10	7	---	---	3	2	4-5	
6LB8	Pentode	2	4	7	18	7	---	8	9	7	4-5	
6LC6		4	2	22	50	7	---	---	11	5	2-7	May show short on 1 - 3 - 4
6LC8	Triode	1	4	29	10	7	---	---	1	2	4-5	May show short on 3
6LC8	Pentode	4	4	8	16	7	---	8	9	6	4-5	
6LD6		1	4	5	15	7	6	8	7	2	4-5	Must show short on 3 - 6 - 8 - 9
6LE8	Pent-1	5	4	0	27	7	---	8	1	9	4-5	
6LE8	Pent-2	5	4	0	33	7	---	8	6	9	4-5	
6LF6		5	3	0	5	7	2	7	11	9	3-5	Key at 4; Must show short on 1 - 2 - 7 - 8; Cap goes to top of tube
6LF8	Triode	1	4	29	11	7	---	---	3	2	4-5	
6LF8	Pentode	1	4	21	10	7	---	8	9	7	4-5	
6LG6		3	3	3	20	9	2	7	11	9	3-5	Key at 4; Must show short on 1 - 2 - 7 - 8
6LH6		4	2	18	50	7	---	---	11	5	2-7	May show short on 1 - 3 - 4
6LJ6		7	7	33	43	7	1-4	3	11	5	2-7	Must show short on 1 - 3 - 4
6LJ8	Triode	5	4	8	12	7	---	---	2	1	4-5	Must show short on 3 - 8; Cathode short test Depress 3 - 8 together
6LJ8	Pentode	5	4	0	26	7	7	6	9	---	4-5	
6LM8	Triode	1	4	24	10	7	---	---	1	9	4-5	
6LM8	Pentode	4	4	3	12	7	---	3	6	2	4-5	
6LN8	Triode	1	4	14	10	7	---	---	1	9	4-5	
6LN8	Pentode	1	4	23	16	7	---	3	6	2	4-5	
6LQ6		3	4	0	17	7	1-2	7	12	6	4-5	Must show short on 1 - 2 - 6 - 7; Red grid cap goes to top of tube
6LQ8	Triode	5	4	8	11	7	---	---	3	2	4-5	
6LQ8	Pentode	1	4	7	11	7	---	8	9	7	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		
6LR6		5	4	0	6	7	1	6	11	8	2 - 4	Key at 3; Cap goes to top of tube; Must show short on 1 - 6
6LR8	Triode	5	4	8	14	7	---	---	8	9	4 - 5	
6LR8	Pentode	5	4	0	6	7	---	7	6	2	4 - 5	
6LT8	Diode-1	3	4	0	15	7	---	---	8	---	4 - 5	May show short on 1
6LT8	Diode-2	3	4	0	15	7	---	---	6	---	4 - 5	
6LT8	Pentode	5	4	0	22	7	---	2	3	9	4 - 5	
6LU6		3	3	5	29	7	---	6	5	1	4	
6LU8	Triode	2	4	13	19	7	---	---	7	2	4 - 6	Key at 5; Use red grid cap
6LU8	Pentode	2	7	5	5	7	1	3	12	2	7 - 9	Key at 8; Must show short on 1 - 2
6LV6	*	5	3	0	5	7	2	7	11	9	3 - 5	* Key at 4; Must show short on 1 - 2 - 7 - 8; Cap goes to top of tube
6LW6		1	7	0	5	7	1 - 4 - 6	3	11	5	7 - 8	Must show short on 1 - 2 - 5 - 6; Cathode short test - Depress 2 - 6 together
6LX6	*	3	4	15	20	7	1	6	11	8	2 - 4	* Key at 3; Must show short on 1 - 6; Black cap goes to top of tube
6LX8	Triode	1	4	11	16	7	---	---	1	9	4 - 5	
6LX8	Pentode	5	4	5	18	7	---	3	6	2	4 - 5	
6LY8	Triode	2	4	25	25	7	---	---	3	2	4 - 5	
6LY8	Pentode	1	4	7	12	7	---	8	9	7	4 - 5	
6LZ6		2	4	10	27	7	1 - 2	6	11	7	4 - 5	Must show short on 1 - 2 - 6 - 7
6M11	Triode-1	2	1	28	19	7	---	---	7	8	1 - 12	Key at 0; Use red grid cap
6M11	Triode-2	2	1	28	19	7	---	---	6	5	1 - 12	
6M11	Pentode	1	5	14	25	7	---	7	2	6	1 - 12	Key at 4
6MA6		4	3	29	32	7	*	---	11	6	#	* 2 - 3 - 4 - 5 - 8; # 1 - 2 - 4 - 5; Good tube reads above 40
6MB6	*	3	6	6	20	7	8 - 9	3	11	1	4	* Key at 5; Must show short on 2 - 3 - 8 - 9; Grid cap goes to top of tube
6MB8	Triode	5	4	10	12	7	---	---	2	1	4 - 5	
6MB8	Pentode	4	4	5	7	7	---	7	6	9	4 - 5	
6MC6		3	4	15	20	7	6 - 7	1	11	2	5	Must show short on 1 - 2 - 6 - 7; Grid short test - Depress 2 - 6 together; Screen short test - Depress 1 - 7 together; Grid cap goes to top of tube
6MD8	Triode-1	1	4	11	10	7	---	---	3	6	4 - 5	
6MD8	Triode-2	1	4	11	10	7	---	---	2	8	4 - 5	
6MD8	Triode-3	1	4	11	10	7	---	---	1	9	4 - 5	
6ME6		3	4	4	20	7	6 - 7	1	11	2	5	Must show short on 1 - 2 - 6 - 7; Grid short test - Depress 2 - 6 together; Screen short test - Depress 1 - 7 together; Grid cap goes to top of tube
6ME8	Sect-1	4	4	18	20	7	---	3	9	6	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			
6ME8	Sect-2	4	4	18	20	7	---	3	8	6	4 - 5		
6MF8	Pentode	2	7	5	17	7	1	3	12	2	7 - 9	Key at 8; Must show short on 1 - 2	
6MF8	Triode	2	4	8	30	7	---	---	7	2	4 - 6	Key at 5; Use red grid cap	
6MG8	Triode	2	4	15	20	7	---	---	1	9	4 - 5		
6MG8	Pentode	4	4	8	10	7	---	3	6	2	4 - 5		
6MH1		1	3	33	6	7	1 - 5	---	7	6	3 - 4	Must show short on 1 - 5 - 6; Grid short test - Depress 1 - 5 - 6 together	
6MH6	*	5	3	0	5	7	2	7	11	9	3 - 5	* Key at 4; Must show short on 1 - 2 - 7 - 8; Cap goes to top of tube	
6MHH3	Triode	1	3	16	13	7	---	---	2	5	3 - 4		
6MHH3	Triode	1	3	16	13	7	---	---	1	6	3 - 4		
6MJ6		3	4	0	17	7	1 - 2	7	12	6	4 - 5	Must show short on 1 - 2 - 6 - 7; Red grid cap goes to top of tube	
6MJ8	Triode-1	1	1	10	11	7	---	---	6	8	1 - 11	Key at 0	
6MJ8	Triode-2	1	3	10	11	7	---	---	8	1	1 - 11	Key at 4	
6MJ8	Triode-3	1	3	10	11	7	---	---	6	2	1 - 11		
6MK8	Pent-1	4	4	10	26	7	---	2	8	7	4 - 5		
6MK8	Pent-2	4	4	10	26	7	---	2	3	7	4 - 5		
6ML4		2	3	19	10	7	1 - 2	---	7	6	3 - 4	Must show short on 1 - 2 - 6 - 7	
6ML8	Triode-1	1	4	12	16	7	---	---	3	6	4 - 5		
6ML8	Triode-2	1	4	12	16	7	---	---	2	8	4 - 5		
6ML8	Triode-3	1	4	12	16	7	---	---	1	9	4 - 5		
6MN8	Triode-1	1	7	7	19	7	---	---	8	4	5	Key at 6	
6MN8	Triode-2	1	6	7	21	7	---	---	9	2	5	Key at 5	
6MN8	Triode-3	1	1	7	19	7	---	---	6	8	5	Key at 0	
6MP17		2	4	18	19	7	---	6	5	1	3 - 4		
6MP18		1	3	10	13	7	1	6	5	7	3 - 4		
6MP20		1	3	12	20	5	---	6	5	1	3 - 4		
6MQ8	Triode	1	4	17	15	7	---	---	1	9	5		
6MQ8	Pentode	1	4	17	21	7	---	3	6	2	5		
6MU8	Triode	1	4	25	11	7	---	---	1	9	4 - 5		
6MU8	Pentode	1	4	14	16	7	---	3	6	2	4 - 5		
6MV8	Triode	1	4	15	18	7	---	---	3	2	4 - 5		
6MV8	Pentode	1	4	15	22	7	---	8	9	7	4 - 5		
6MX8	Triode	1	4	12	24	7	---	---	8	9	4 - 5		
6MX8	Pentode	5	4	0	6	7	---	7	6	2	4 - 5		
6MY8	Triode *	2	4	13	19	7	---	---	7	2	6	* Key at 5	
6MY8	Pentode *	2	7	5	5	7	1	3	12	2	9	* Key at 8; Must show short on 1 - 2; Use red grid cap	
6N3		3	4	0	18	7	---	---	9	---	4 - 5		
6PL12	Triode	1	4	31	11	7	---	---	9	1	4 - 5		
6PL12	Pentode	1	4	10	12	7	---	7	6	3	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		
6Q8	Pentode	4	2	29	24	7	---	4	3	11	2 - 7	
6Q8	Triode	1	2	33	28	7	---	---	6	5	2 - 7	
6Q11	Triode-1	1	6	25	10	7	---	---	2	1	4 - 6	Key at 5
6Q11	Triode-3	1	6	25	18	7	---	---	7	3	4 - 6	
6Q11	Triode-2	1	3	25	18	7	---	---	7	9	1 - 3	Key at 2
6R3		3	4	0	16	7	2	---	9	---	4 - 5	May show short on all pins
6R4		1	4	11	11	7	---	---	8	1	4 - 5	
6RA6		3	4	9	20	7	7	---	9	2	4 - 5	Must show short on 2 - 7; Grid short test - Depress 2 - 7 together
6RA9		3	4	9	20	7	7	---	9	2	4 - 5	Must show short on 2 - 7; Grid short test - Depress 2 - 7 together
6RB11		2	4	10	10	7	6	1	9	3	4 - 5	Must show short on 3 - 6
6RHH2	Triode	1	4	15	11	7	---	---	6	7	4 - 5	
6RHH2	Triode	1	4	15	11	7	---	---	1	2	4 - 5	
6RHH8	Triode-1	1	4	5	9	7	---	---	6	7	4 - 5	
6RHH8	Triode-2	1	4	5	9	7	---	---	1	2	4 - 5	
6RK19		3	4	0	15	7	2	---	9	---	4 - 5	May show short on 2 - 19
6RP15		5	4	10	8	7	1	9	7	2	4 - 5	Must show short on 1 - 2
6RP22		4	4	0	11	7	9	3 - 8	6	2	4 - 5	Must show short on 2 - 3 - 8 - 9
6T10		2	3	24	11	7	1 - 2	---	7	6	3 - 4	Must show short on 1 - 2 - 6 - 7
6T9	Triode	1	3	32	10	7	---	---	6	8	3 - 5	Key at 4; Use red grid cap
6T9	Pentode	1	7	30	10	7	---	5	6	3	7 - 9	Key at 8
6T10		4	1	15	11	7	---	6	7	3	1 - 12	Key at 0; Use red grid cap
6T10		5	7	10	10	7	---	3	4	1	5 - 7	Key at 6
6U3		3	4	0	18	7	---	---	9	---	4 - 5	
6U9	Triode	5	5	9	10	7	---	---	9	11	5 - 6	
6U9	Pentode	5	5	0	20	7	---	8	7	3	5 - 6	
6U10		1	4	27	10	7	---	---	2	1	4 - 6	Key at 5; Use red grid cap
6U10		4	1	20	10	7	---	---	5	7	1 - 12	Key at 0
6U10		5	2	28	10	7	---	---	5	1	4 - 2	Key at 3
6V9	Triode	5	5	8	10	7	---	---	11	8	5 - 6	
6V9	Pentode	5	5	5	23	7	---	4	7	3	5 - 6	
6X9	Triode	4	5	10	14	7	---	---	9	11	5 - 6	
6X9	Pentode	2	5	0	39	7	---	8	7	3	5 - 6	
6Y9	Pent-1	1	5	7	11	7	---	9	11	8	5 - 6	
6Y9	Pent-2	1	5	15	16	7	---	3	4	1	5 - 6	
6Y10	Pent-1	4	1	7	13	7	---	6	7	3	1 - 11	Key at 0
6Y10	Pent-2	5	7	5	11	7	---	3	4	1	1 - 11	Key at 6
6Z4		2	3	0	3	7	---	---	1	---	3 - 4	
6Z4		2	3	0	3	7	---	---	6	---	3 - 4	
6Z10	Pent-1	1	5	21	11	7	---	8	2	4	5 - 7	Key at 6; Use red grid cap
6Z10	Pent-2	1	1	0	25	7	---	---	4 - 6	---	1 - 12	Key at 0