

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA													
MRC (BG), (FB), (FH), 5-51							LEVER				FIL. CONT.		COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT	
This supplementary chart provides settings for tubes which fall into one or more of the following classifications:													
1. Infrequently encountered types;													
2. Obsolete types;													
3. Tubes manufactured for special or limited applications.													
The roll chart provides test settings for all other receiving type tubes most commonly encountered in the radio field.													
O1A		1	1	19	20	6	---	---	2	3	1 - 4		
OA4		7	1	0	10	1	---	---	5	---	---	May show short on 2 - 7	
OY4		1	2	0	4	18	---	---	5	---	---	Must show short on 7 - 8 and 3	
OZ3	Plate-1	7	3	0	4	18	---	---	3	---	---	Must show short on 1 - 8	
OZ3	Plate-2	7	3	0	4	18	---	---	2	---	---	Must show short on 1 - 8	
OZ4	Plate-1	7	1	0	4	18	---	---	5	---	---	Must show short on 1 - 8	
OZ4	Plate-2	7	1	0	4	18	---	---	3	---	---	Must show short on 1 - 8	
O1A		1	1	19	20	6	---	---	2	3	1 - 1		
		2	1	0	3	7	---	---	2	---	1 - 4		
1A3		3	1	0	27	2	2 - 5	---	6	---	1 - 7	Must show short on 2 - 5 - 6; Plate short test depress 2 - 6 together	
1A4		1	1	28	25	3	---	3	2	11	1 - 4		
1A5		1	2	33	17	2	---	4	3	5	2 - 7		
1A6	Amp	4	1	26	33	3	---	5	2	11	1 - 6		
1A6	Osc	1	1	33	47	3	---	---	3	4	1 - 6		
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		
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	11	15	2	---	2	1	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		4	7	9	28	2	---	3	2	6	1 - 5 - 7		
1AF5	Pent	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	Pent	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	Pent	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	Pent	5	4	8	40	2	---	2	1	5	4 - 6		
1AJ5	Diode	3	4	0	24	2	---	---	3	---	4 - 6		

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
1AK4		3	3	10	32	2	---	2	1	4	3 - 5	
1AK5	Pent	3	4	10	45	2	---	2	1	5	4 - 6	
1AK5	Diode	3	4	0	29	2	---	---	3	---	4 - 6	
1AN5		5	7	16	33	2	---	3	2	6	1 - 5 - 7	
1B4		1	1	23	35	3	---	3	2	11	1 - 4	
1B5	Triode	1	1	11	38	3	---	---	2	5	1 - 6	
1B5	Diode-1	3	1	0	27	3	---	---	3	---	1 - 6	
1B5	Diode-2	3	1	0	27	3	---	---	4	---	1 - 6	
1B8	Diode	3	2	0	27	2	---	---	8	---	2 - 7	
1B8	Triode	2	2	25	46	2	---	---	6	11	2 - 7	
1B8	Pent	1	2	33	15	2	---	4	3	5	2 - 7	
1C3		5	1	13	22	2	2	---	6	4	1 - 7	Must show short on 2 - 6; Plate short test - depress 2 - 6 together
1C5		1	2	27	13	2	---	4	3	5	2 - 7	
1C6	Amp	4	1	20	29	3	---	5	2	11	1 - 6	
1C6	Osc	1	1	34	45	3	---	---	3	4	1 - 6	
1C7	Amp	4	2	20	29	3	---	4	3	11	2 - 7	
1C7	Osc	1	2	34	45	3	---	---	6	5	2 - 7	
1C8	Amp	5	5	13	43	2	1	7	6	8	4 - 5	
1C8	Osc	5	5	27	14	2	1	---	7	2	4 - 5	Must show short on 1
1C21		1	1	0	11	18	---	---	5	---	---	May show short on 2 - 7
1D3		5	4	11	10	2	---	---	8	1	4 - 5	
1D5		1	2	21	35	3	---	4	3	11	2 - 7	
1D7	Amp	4	2	30	36	3	---	4	3	11	2 - 7	
1D7	Osc	1	2	38	45	3	---	---	6	5	2 - 7	
1D8	Diode	3	2	0	27	2	---	---	8	---	2 - 7	
1D8	Triode	1	2	15	40	2	---	---	6	11	2 - 7	
1D8	Pent	1	2	32	15	2	---	4	3	5	2 - 7	
1DN5	Pent	4	1	12	30	2	---	3	2	6	1 - 7	
1DN5	Diode	3	1	0	39	2	---	---	4	---	1 - 7	
1E4		1	2	13	24	2	---	---	3	5	2 - 7	
1E5		1	2	23	35	3	---	4	3	11	2 - 7	
1E7	Pent-1	1	2	35	11	3	---	8	3	4	2 - 7	
1E7	Pent-2	1	2	35	11	3	---	8	6	5	2 - 7	
1E8	Amp	5	4	5	38	2	---	7	6	8	4 - 5	
1E8	Osc	5	4	12	19	2	---	---	7	2	4 - 5	
1F4		1	1	33	14	3	---	4	2	3	1 - 5	
1F5		1	2	33	14	3	---	4	3	5	2 - 7	
1F6	Diode-1	3	1	0	27	3	---	---	4	---	1 - 6	
1F6	Diode-2	3	1	0	27	3	---	---	5	---	1 - 6	
1F6	Pent	1	1	31	30	3	---	3	2	11	1 - 6	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
1F7	Diode-1	3	2	0	27	3	---	---	4	---	2 - 7	
1F7	Diode-2	3	2	0	27	3	---	---	5	---	2 - 7	
1F7	Pent	1	2	31	30	3	---	6	3	11	2 - 7	
1G4		2	2	23	29	2	---	---	3	5	2 - 7	
1G5		1	2	28	14	3	---	4	3	5	2 - 7	
1G6	Triode-1	1	2	31	16	2	---	---	3	4	2 - 7	
1G6	Triode-2	1	2	31	16	2	---	---	6	5	2 - 7	
1H2	*	2	5	0	49	2	2 - 8	---	11	---		*CAUTION - Levers 2 - 8 must be thrown to "W" before inserting tube; OK above 14 on meter scale; Must show short on 1 - 4 - 5 - 6 9
1H4		1	2	21	18	3	---	---	3	5	2 - 7	
1H5	Diode	3	2	0	27	2	---	---	5	---	2 - 7	
1H5	Triode	5	2	12	46	2	---	---	3	11	2 - 7	
1H6	Triode	1	2	9	40	3	---	---	3	6	2 - 7	
1H6	Diode-1	3	2	0	30	3	---	---	4	---	2 - 7	
1H6	Diode-2	3	2	0	30	3	---	---	5	---	2 - 7	
1J5		1	2	37	11	3	---	4	3	5	2 - 7	
1J6	Triode-1	1	2	20	23	3	---	---	3	4	2 - 7	
1J6	Triode-2	1	2	20	23	3	---	---	6	5	2 - 7	
1L6	Amp	5	1	6	45	2	---	5	2	6	1 - 7	
1L6	Osc	1	1	30	46	2	---	---	3	4	1 - 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	Pent	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 - 5 - 8	
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		3	4	0	0	2	---	---	1 - 8	---	4 - 5	See instructions for eye test
1N3		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	
1N6	Pent	1	2	30	20	2	---	4	3	5	2 - 7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
1N6	Diode	3	2	0	37	2	---	---	6	---	2 - 7	
1P5		1	2	22	42	2	---	4	3	11	2 - 7	
1Q5		1	2	26	12	2	---	4	3	5	2 - 7	
1Q6	Pent	5	5	15	30	2	---	8	7	2	4 - 5	
1Q6	Diode	3	5	0	27	2	---	---	6	---	4 - 5	
1S2	*	7	2	0	14	2	5 - 8	---	11	---	---	*CAUTION - Levers 5 - 8 must be thrown to position "W" before inserting tube and must remain in position "W" throughout all tests, including short tests; Fil Cont - Must 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	Must show short on 2 - 6; Plate short test - Depress 2 - 6 together
1SA4		1	2	31	24	2	---	6	8	4	2 - 7	
1SB6	Pent	4	2	6	34	2	---	4	3	8	2 - 7	
1SB6	Diode	3	2	0	32	2	---	---	5	---	2 - 7	
1T6	Pent	5	4	7	41	2	---	8	1	3	4 - 5	
1T6	Diode	3	4	0	28	2	---	---	6	---	4 - 5	
1U6	Amp	4	1	4	35	2	---	5	2	6	1 - 7	
1U6	Osc	4	1	18	45	2	---	---	3	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 must be thrown to position "W"; May show short on 1 - 2 - 3 - 6 - 7 - 8 - 9
1V5		5	5	15	17	2	---	8	7	2	4 - 5	
1V6	Triode	3	4	7	39	2	---	---	6	5	4 - 7	
1V6	Pent	3	4	8	36	2	---	2	1	3	4 - 7	
1W4		1	1	26	23	2	---	3	2	6	1 - 7	
1W5		5	5	14	25	2	---	8	7	2	4 - 5	
1X2	*											* CAUTION - Levers 5 - 8 must be thrown to position "W" before inserting tube, and must remain in position "W" throughout all tests, including short tests
1X2		7	2	0	16	2	5 - 8	---	11	---	*	* Fil Cont must show short on 1 - 2 - 4 - 6 - 9; May show short on 3 - 7
2A3		1	1	40	4	4	---	---	2	3	1 - 4	
2A4		2	2	0	3	4	---	---	3	5	2 - 7	
2A5		1	1	34	10	4	---	3	2	4	1 - 6	
2A6	Triode	1	1	12	40	4	---	---	2	11	1 - 6	
2A6	Diode-1	3	1	0	27	4	---	---	3	---	1 - 6	
2A6	Diode-2	3	1	0	27	4	---	---	4	---	1 - 6	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51								LEVER				
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
2A7	Amp	4	1	40	19	4	---	3	2	11	1 - 7	
2A7	Osc	1	1	28	31	4	---	---	4	5	1 - 7	
2B4		2	1	0	2	4	---	---	3	---	1 - 5	
2B5	*											*CAUTION: Lever 2 must be in Position "W" before inserting tube and MUST remain in Position "W" throughout all tests, including Short Tests.
2B5	Triode-1	1	7	11	28	2	2	---	8	6	4 - 5 - 7	
2B5	Triode-2	1	7	11	28	2	2	---	1	3	4 - 5 - 7	
2B6	Input	1	1	26	27	4	---	---	3	4	1 - 7	
2B6	Output	1	1	34	8	4	---	---	2	5	1 - 7	
2B7	Pent	1	1	27	26	4	---	3	2	11	1 - 7	
2B7	Diode-1	3	1	0	27	4	---	---	4	---	1 - 7	
2B7	Diode-2	3	1	0	27	4	---	---	5	---	1 - 7	
2C22		1	2	32	7	7	---	---	11	12	2 - 7	Black cap on side nearest octal key
2C51	Triode-1	1	1	21	9	7	---	---	4	3	1 - 9	
2C51	Triode-2	1	1	21	9	7	---	---	6	7	1 - 9	
2C52	Triode-1	1	7	30	14	10	---	---	2	1	7 - 8	
2C52	Triode-2	1	7	30	14	10	---	---	5	4	7 - 8	
2D21		7	3	0	3	7	---	---	6	1	3 - 4	Must show short on 5 - 7; Screen short test - Depress 5 - 7 together.
2E5	Triode	1	1	20	31	4	---	---	2	3	1 - 6	
2E5	Eye	1	1	0	0	4	---	---	2 - 4	---	1 - 6	See instructions for eye test.
2E24	*											*CAUTION: Levers 4 - 6 must be in Position "W" before inserting tube and MUST remain in Position "W" throughout all tests, including Short Tests.
2E24		6	1	38	3	4	4 - 6	3	11	5	1 - 2 - 7	
2E25		1	2	36	10	7	---	4	11	5	2 - 7	
2E26		1	2	16	8	7	---	3	11	5	2 - 7	Must show short on 1 - 4 - 6; Cathode short test - Depress 1 - 4 - 6 together
2E30		1	7	28	10	5	---	6	5	1	3 - 4 - 7	
2E31		5	3	5	35	2	---	2	1	4	3 - 5	
2E32		5	3	5	35	2	---	2	1	4	3 - 5	
2E35		5	3	5	35	2	---	2	1	4	3 - 5	
2E36		5	3	5	35	2	---	2	1	4	3 - 5	
2E41	Pent	5	4	5	38	2	---	2	1	5	4 - 6	
2E41	Diode	3	4	0	45	2	---	---	3*	---	4 - 6	*Place 600 ohm resistor in series with diode plate lead No. 3 to reduce current drain
2E42	*											*See 2E41

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA													
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.		COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z			
2G5	Triode	1	1	19	20	4	---	---	2	3		1 - 6	
2G5	Eye	1	1	0	0	4	---	---	2 - 4	---		1 - 6	See instructions for eye test.
2G21	Triode	5	4	7	34	2	---	---	1	3		4 - 7	
2G21	Heptode	3	4	19	31	2	---	2	6	3		4 - 7	
2G22	Triode	5	4	7	34	2	---	---	1	3		4 - 7	
2G22	Heptode	3	4	19	31	2	---	2	6	3		4 - 7	
2T4		2	3	23	11	4	1 - 2	---	7	6		3 - 4	Must show short on 1 - 2 - 6 - 7; Grid short test - Depress 2 - 6 together; Plate short test - Depress 1 - 7 together
2W3		2	2	0	9	4	---	---	4	---		2 - 8	
2X2-879		1	1	0	21	4	---	---	11	---		1 - 4	
2X3		2	2	0	8	4	---	---	4	---		2 - 8	
2Y3		2	2	0	7	4	---	---	4	---		2 - 8	
2Z2		2	1	0	11	4	---	---	2	---		1 - 4	
3A4		1	5	26	12	2	6	3	2	4		1 - 5 - 7	Must 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	Pent	1	1	27	34	2	---	4	3	11		1 - 2 - 7	
3B4	*												* Lever 6 MUST be thrown to position "W" before inserting tube, and MUST remain in position "W" throughout all tests, including short tests
3B4		1	2	23	11	2	6	1	7	3		2 - 4 - 5	
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	
3C4		1	5	30	10	2	---	3	2	6		1 - 5 - 7	
3C5		1	8	27	13	2	---	4	3	5		2 - 7 - 8	
3D6		1	7	18	15	2	---	3	2	6		1 - 7 - 8	
3E6		1	5	21	26	2	---	8	2	6		1 - 5 - 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	
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	
5A6		1	9	20	10	4	---	6	1	7		4 - 5 - 9	Must show short on 3 - 8; Suppressor short test - Depress 3 - 8 together
5B8	Triode	1	4	9	14	6	---	---	3	2		4 - 5	May show short on 1

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TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
5B8	Pent	1	4	5	29	6	---	8	9	6	4 - 5	
5J6	Triode-1	1	3	16	13	6	---	---	2	5	3 - 4	
5J6	Triode-2	1	3	16	13	6	---	---	1	6	3 - 4	
5T4	Plate-1	2	2	0	4	6	---	---	4	---	2 - 8	
5T4	Plate-2	2	2	0	4	6	---	---	6	---	2 - 8	
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	
5W4	Plate-1	2	2	0	9	6	---	---	4	---	2 - 8	
5W4	Plate-2	2	2	0	9	6	---	---	6	---	2 - 8	
5X4	Plate-1	2	7	0	5	6	---	---	3	---	7 - 8	
5X4	Plate-2	2	7	0	5	6	---	---	5	---	7 - 8	
5Y4	Plate-1	2	7	0	8	6	---	---	3	---	7 - 8	
5Y4	Plate-2	2	7	0	8	6	---	---	5	---	7 - 8	
5Z3	Plate-1	2	1	0	5	6	---	---	2	---	1 - 4	
5Z3	Plate-2	2	1	0	5	6	---	---	3	---	1 - 4	
5Z4	Plate-1	2	2	0	2	6	---	---	4	---	2 - 8	
5Z4	Plate-2	2	2	0	2	6	---	---	6	---	2 - 8	
6A3		1	1	40	4	7	---	---	2	3	1 - 4	
6A4-LA		1	1	30	10	7	---	4	2	3	1 - 5	
6A5		1	8	40	4	5	---	---	3	5	2 - 7 - 8	
6A6	Triode-1	1	1	36	7	7	---	---	6	5	1 - 7	
6A6	Triode-2	1	1	36	7	7	---	---	2	3	1 - 7	
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	
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	
6AC5		1	2	37	8	7	---	---	3	5	2 - 7	
6AC6		1	2	29	8	7	---	4	3	5	2 - 7	
6AD6		1	2	0	0	7	---	---	3 - 4 - 5	---	2 - 7	See instructions for eye test.
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

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6AF6		1	2	0	0	7	---	---	3 - 4 - 5	---	2 - 7	See instructions for eye test.
6AG6		1	2	22	10	7	---	4	3	5	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"; Must show short on 1 - 3 - 4 - 6 - 9; Grid short test - Depress 1 - 3 - 4 - 6 - 9 together
6AK4		2	3	12	18	7	---	---	8	1	3 - 6	
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	
6AL6		1	2	24	9	7	---	4	11	5	2 - 7	
6AL7		7	2	7	0	7	---	---	3	4 - 5 - 6	2 - 7	See instructions for FM/AM eye tests.
6AN5		1	3	13	7	7	---	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together
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	
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	
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	
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	
6B4		1	2	40	4	7	---	---	3	5	2 - 7	
6B5	Input	1	1	40	15	7	---	---	3	4	1 - 6	
6B5	Output	1	1	38	9	7	---	3	2	4	1 - 6	
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	
6B7	Pent	1	1	29	25	7	---	3	2	11	1 - 7	
6B7	Diode-1	3	1	0	27	7	---	---	5	---	1 - 7	
6B7	Diode-2	3	1	0	27	7	---	---	4	---	1 - 7	
6B8	Pent	1	2	29	25	7	---	6	3	11	2 - 7	
6B8	Diode-1	3	2	0	27	7	---	---	4	---	2 - 7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6B8	Diode-2	3	2	0	27	7	---	---	5	---	2 - 7	
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	
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	
6BF7	Triode-1	5	3	9	13	7	---	---	8	7	3 - 6	
6BF7	Triode-2	5	3	9	13	7	---	---	1	2	3 - 6	
6BG7	Triode-1	5	3	9	13	7	---	---	8	7	3 - 6	
6BG7	Triode-2	5	3	9	13	7	---	---	1	2	3 - 6	
6BJ7	Diode-1	3	4	0	17	7	---	---	8	---	4 - 5	
6BJ7	Diode-2	3	4	0	17	7	---	---	6	---	4 - 5	
6BJ7	Diode-3	3	4	0	17	7	---	---	2	---	4 - 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	
6BN7	Triode-1	1	4	29	5	7	---	---	9	7	4 - 5	
6BN7	Triode-2	1	4	10	24	7	---	---	1	2	4 - 5	
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	
6BR5	Eye	7	4	0	0	7	3 - 6	---	7 - 9	---	4 - 5	May show short on 3 - 6 - 9; See instructions for eye test
6BY5	Diode-1	3	2	0	16	7	---	---	5	---	2 - 7	
6BY5	Diode-2	3	2	0	16	7	---	---	4	---	2 - 7	
6C5		1	2	15	18	7	---	---	3	5	2 - 7	
6C6		1	1	28	20	7	---	3	2	11	1 - 6	
6C7	Triode	1	1	25	15	7	---	---	2	11	1 - 7	
6C7	Diode-1	3	1	0	27	7	---	---	4	---	1 - 7	
6C7	Diode-2	3	1	0	27	7	---	---	5	---	1 - 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	
6CD7		7	2	0	0	7	---	---	3 - 6 - 5	---	2 - 7	See instructions for eye test.
6D4		7	3	0	4	7	---	---	7	---	3 - 4	
6D5		1	2	38	6	7	---	---	3	5	2 - 7	
6D6		1	1	27	19	7	---	3	2	11	1 - 6	
6D7		1	1	28	20	7	---	3	2	11	1 - 7	
6D8	Amp	4	2	40	20	7	---	4	3	11	2 - 7	
6D8	Osc	1	2	30	33	7	---	---	6	5	2 - 7	
6DA5	Triode	3	4	24	23	7	---	---	7	1	4 - 5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.	COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6DA5	Eye	7	4	0	0	7	3 - 8	---	7 - 9	---	4 - 5	Must show short on 3 - 8 - 9; See instructions for eye test
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.
6E6	Triode-1	1	1	30	9	7	---	---	2	3	1 - 7	
6E6	Triode-2	1	1	30	9	7	---	---	6	5	1 - 7	
6E7		1	1	29	18	7	---	3	2	11	1 - 7	
6F4		1	1	35	5	7	2 - 7	---	3	8	1 - 4	Plate short test - Depress 2 - 3 together; Grid short test - Depress 7 - 8 together; Must show short on 2 - 3 - 7 - 8 individually
6F5		1	2	12	33	7	---	---	4	11	2 - 7	
6F6		1	2	32	10	7	---	4	3	5	2 - 7	
6F7	Triode	1	1	41	15	7	---	---	4	5	1 - 7	
6F7	Pentode	1	1	28	27	7	---	3	2	11	1 - 7	
6F8	Triode-1	1	2	15	16	7	---	---	3	11	2 - 7	
6F8	Triode-2	1	2	15	16	7	---	---	6	5	2 - 7	
6FG6	Triode	3	4	25	45	7	---	---	9	1	4 - 5	
6FG6	Eye	4	4	0	0	7	2 - 8	---	7 - 6	---	4 - 5	Must show short on 2 - 6 - 8; See instructions for eye test
6FH5		1	3	21	10	7	---	---	5	2	3 - 4	Must show short on 1 - 7; Cathode short test - Depress 1 - 7 together
6G5	Triode	1	1	19	27	7	---	---	2	3	1 - 6	
6G5	Eye	1	1	0	0	7	---	---	2 - 4	---	1 - 6	
6G6		1	2	32	10	7	---	4	3	5	2 - 7	
6G7	Pent	1	1	32	12	7	---	3	2	11	1 - 7	
6G7	Rect-1	2	1	0	5	7	---	---	6	---	1 - 7	
6G7	Rect-2	2	1	0	5	7	---	---	4	---	1 - 7	Must show short on 3
6H4		3	2	0	18	7	---	---	4	---	2 - 7	
6H5	Triode	1	1	14	17	7	---	---	2	3	1 - 6	
6H5	Eye	1	1	0	0	7	---	---	2 - 4	---	1 - 6	
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	Must show short on 1 - 5 - 6; Grid short test - Depress 1 - 5 - 6 together
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	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51												
LEVER												
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
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	
6L7	Amp	4	2	10	29	7	---	4	3	5	2 - 7	
6L7	Osc	3	2	12	25	7	---	---	4	11	2 - 7	
6N4		1	3	25	8	7	1	---	5	7	3 - 4	Grid short test - Depress 1 - 7 together; Cathode short test - Depress 2 - 6 together; Must show short on 1 - 2 - 6 - 7
6N5	Triode	1	1	6	24	7	---	---	2	3	1 - 6	
6N5	Eye	1	1	0	0	7	---	---	2 - 4	---	1 - 6	
6N6	Input	1	2	40	15	7	---	---	4	5	2 - 7	
6N6	Output	1	2	38	9	7	---	4	3	5	2 - 7	
6N7	Triode-1	1	2	36	7	7	---	---	3	4	2 - 7	
6N7	Triode-2	1	2	36	7	7	---	---	6	5	2 - 7	
6N8	Pent	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	
6P5		1	2	15	17	7	---	---	3	5	2 - 7	
6P7	Triode	1	2	41	15	7	---	---	6	7	2 - 3	
6P7	Pentode	1	2	28	27	7	---	5	4	11	2 - 3	
6Q4		1	1	35	5	7	2 - 7	---	3	8	1 - 4	Plate short test - Depress 2 - 3 together; Grid short test - Depress 7 - 8 together; Must show short on 2 - 3 - 7 - 8 individually
6Q5		1	2	0	4	7	---	---	3	---	2 - 7	
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	
6S2	#	7	2	0	14	7	5 - 8	---	11	---	\$	#CAUTION - Levers 5 - 8 must be thrown to position "W" before inserting tube and must remain in position "W" through all tests including short tests; \$Fil Cont - Must show short on 1 - 2 - 4 - 6 - 9
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	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6S8	Diode-2	3	7	0	27	7	---	---	4	---	7 - 8	
6S8	Diode-3	3	7	0	27	7	---	---	1	---	7 - 8	
6SB7	Amp	4	2	9	20	7	---	4	3	8	2 - 7	
6SB7	Osc	1	2	37	6	7	---	---	4	5	2 - 7	
6SD7		1	2	12	27	7	---	6	8	4	2 - 7	
6SF5		1	7	12	32	7	---	---	5	3	7 - 8	
6SF7	Pent	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	Must show short on 3 - 5; Cathode short test - Depress 3 - 5 together
6SH7		1	2	14	27	7	---	6	8	4	2 - 7	Must show short on 3 - 5; Cathode short test - Depress 3 - 5 together
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	
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	
6T7	Diode-2	3	2	0	27	7	---	---	4	---	2 - 7	
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	
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	
6W7		1	2	18	28	7	---	4	3	11	2 - 7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.	COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6X2		1	2	0	21	7	---	---	11	---	1 - 2	Connect two bottom leads to contacts 1 - 2 of octal socket. Top lead connect to grid cap
6X8	Triode	1	4	12	14	7	---	---	3	2	4 - 5	
6X8	Pent	1	4	8	30	7	---	8	9	7	4 - 5	
6Y5	Plate-1	2	2	0	3	7	---	---	3	---	2 - 7	
6Y5	Plate-2	2	2	0	3	7	---	---	3	---	2 - 7	
6Y6		1	2	14	6	7	---	4	3	5	2 - 7	
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	---	---	3	---	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	
7AN7	Triode-2	5	4	10	10	8	---	---	3	2	4 - 5	
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	Must show short on 4 - 7; Cathode short test - Depress 4 - 7 together

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA													
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.		COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z			
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		
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	Must 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		
7E5		1	2	36	7	7	3 - 5	---	7	1	2 - 8	Plate short test - Depress 3 - 7 together. Grid short test - Depress 1 - 5 together. Cathode short test - Depress 4 - 6 together. Must show short on 1 - 3 - 4 - 5 - 6 - 7 individually	
7E6	Triode	1	1	18	15	7	---	---	2	3	1 - 8	Must 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	Pent	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		
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												
MRC (BG), (FB), (FH), 5-51		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	Pent	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	Must 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	4	7	---	---	6	---	1 - 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	
10		1	1	32	10	8	---	---	2	3	1 - 4	
11C5		1	3	13	7	10	2	6	7	5	3 - 4	Must show short on 2 - 5; Grid short test - Depress 2 - 5 together
12A		1	1	23	10	6	---	---	2	3	1 - 4	
12A4		1	3	25	6	7	2	---	9	7	3 - 4 - 5	Must show short on 2 - 7; Grid short test - Depress 2 - 7 together
12A5		1	6	28	8	7	---	3	2	4	1 - 6 - 7	
12A6		1	2	31	11	10	---	4	3	5	2 - 7	
12A7	Pent	1	1	34	12	10	---	3	2	11	1 - 7	
12A7	Rect	2	1	0	3	10	---	---	5	---	1 - 7	
12A8	Amp	4	2	29	24	10	---	4	3	11	2 - 7	
12A8	Osc	1	2	33	28	10	---	---	6	5	2 - 7	
12AV5		1	2	9	6	10	---	8	5	1	2 - 7	
12AW6		1	3	9	33	10	---	6	5	1	3 - 4	
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	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA													
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.		COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z			
12B7		1	1	25	20	10	---	3	2	6		1 - 8	
12B8	Triode	1	2	14	25	10	---	---	5	8		2 - 7	
12B8	Pent	1	2	29	12	10	---	4	3	11		2 - 7	
12BA7	Amp	4	4	10	21	10	---	1	9	7		4 - 5	
12BA7	Osc	1	4	32	6	10	---	---	1	2		4 - 5	
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	
12C8	Pent	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	
12DQ5		1	2	0	5	10	1 - 4	8	11	5		2 - 7 Must 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	
12DW5		2	4	0	10	10	3	1	9	6		4 - 5 Must show short on 3 - 6; Grid short test - Depress 3 - 6 together	
12E5		1	2	15	17	10	---	---	3	5		2 - 7	
12F5		1	2	12	33	10	---	---	4	11		2 - 7	
12G4		1	3	14	15	10	1	---	5	6		3 - 4 Must show short on 1 - 5; Plate short test - Depress 1 - 5 together	
12H4		1	2	14	15	7	1	---	5	6		2 - 3 - 4 Must 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 Must 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	
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	
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	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA														
MRC (BG), (FB), (FH), 5-51									LEVER					
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT		
12S8	Diode-3	3	7	0	27	10	---	---	1	---	7 - 8			
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	Must show short on 3 - 5; Cathode short test - Depress 3 - 5 together		
12SH7		1	2	14	27	10	---	6	8	4	2 - 7	Must show short on 3 - 5; Cathode short test - Depress 3 - 5 together		
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			
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			
12Z3		2	1	0	1	10	---	---	2	---	1 - 4			
12Z5	Plate-1	2	4	0	3	7	---	---	2	---	1 - 4 - 7			
12Z5	Plate-2	2	4	0	3	7	---	---	6	---	1 - 4 - 7			
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			
14B6	Triode	1	1	12	39	10	---	---	2	3	1 - 8	Must 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	Must 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	Pent	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			
14H7		1	1	18	22	10	---	3	2	6	1 - 8			

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
14J7	Triode	1	1	20	18	10	---	---	3	4	1 - 8	
14J7	Hexode	1	1	22	34	10	---	5	2	6	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	Pent	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	Must 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	
15		1	1	24	37	3	---	3	2	11	1 - 5	
17		1	1	27	11	10	---	---	2	3	1 - 5	
18		1	1	35	10	10	---	3	2	4	1 - 6	
18A5		1	2	5	7	11	---	8	5	1	2 - 7	
19	Triode-1	1	1	20	23	3	---	---	2	3	1 - 6	
19	Triode-2	1	1	20	23	3	---	---	5	4	1 - 6	
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	
20		1	1	29	13	5	---	---	2	3	1 - 4	
22		1	1	33	25	5	---	3	2	11	1 - 4	
24		1	1	26	25	4	---	3	2	11	1 - 5	
25A6		1	2	31	7	12	---	4	3	5	2 - 7	
25A7	Pent	1	2	28	9	12	---	4	3	5	2 - 7	
25A7	Rect	2	2	0	2	12	---	---	6	---	2 - 7	
25AC5		1	2	25	16	12	---	---	3	5	2 - 7	
25B5	Input	1	1	36	9	12	---	---	3	4	1 - 6	
25B5	Output	1	1	34	6	12	---	3	2	4	1 - 6	
25B6		1	2	14	5	12	---	4	3	5	2 - 7	
25C6		1	2	14	6	12	---	4	3	5	2 - 7	
25D8	Triode	4	2	6	23	12	---	---	6	5	2 - 7	
25D8	Pent	1	2	29	15	12	---	4	3	11	2 - 7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51							LEVER					
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
25D8	Diode	3	2	0	26	12	---	---	8	---	2 - 7	Must show short on 2 - 5; Grid short test - Depress 2 - 5 together
25F5		1	3	16	7	12	2	6	7	5	3 - 4	
25L6		1	2	10	6	12	---	4	3	5	2 - 7	
25N6	Input	1	2	36	9	12	---	---	4	5	2 - 7	
25N6	Output	1	2	34	6	12	---	4	3	5	2 - 7	
25X6	Plate-1	2	2	0	2	12	---	---	3	---	2 - 7	
25X6	Plate-2	2	2	0	2	12	---	---	5	---	2 - 7	
25Y4		2	2	0	1	12	---	---	5	---	2 - 7	
25Y5	Plate-1	2	1	0	4	12	---	---	5	---	1 - 6	
25Y5	Plate-2	2	1	0	4	12	---	---	2	---	1 - 6	
25Z3		2	1	0	1	12	---	---	2	---	1 - 4	
25Z4		2	2	0	2	12	---	---	5	---	1 - 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	
26		1	1	19	18	2	---	---	2	3	1 - 4	
26A6		1	3	24	18	12	---	6	5	1	3 - 4	
26A7	Pent-1	2	6	15	4	12	---	5	8	1	6 - 7	
26A7	Pent-2	2	6	15	4	12	---	5	4	3	6 - 7	
26C6	Triode	1	3	15	18	12	---	---	7	1	3 - 4	
26C6	Diode-1	3	3	0	27	12	---	---	6	---	3 - 4	
26C6	Diode-2	3	3	0	27	12	---	---	5	---	3 - 4	
26D6	Amp	4	3	11	28	12	---	6	5	7	3 - 4	
26D6	Osc	1	3	24	9	12	---	---	6	1	3 - 4	
26E6		1	2	13	7	12	---	4	3	5	2 - 7	
26Z5	Plate-1	2	9	0	4	10	---	---	6	---	4 - 5 - 9	
26Z5	Plate-2	2	9	0	4	10	---	---	1	---	4 - 5 - 9	
27		1	1	17	17	4	---	---	2	3	1 - 5	
28D7	Sect-1	2	1	33	5	12	---	3	5	7	1 - 8	
28D7	Sect-2	2	1	33	5	12	---	3	4	2	1 - 8	
28Z5	Plate-1	2	4	0	6	10	---	---	6	---	1 - 4 - 8	
28Z5	Plate-2	2	4	0	6	10	---	---	3	---	1 - 4 - 8	
30		1	1	17	23	3	---	---	2	3	1 - 4	
31		1	1	31	8	3	---	---	2	3	1 - 4	
32		1	1	20	35	3	---	3	2	11	1 - 4	
32L7	Amp	1	2	16	8	13	---	4	3	5	2 - 7	
32L7	Rect	2	2	0	2	13	---	---	6	---	2 - 7	
33		1	1	32	11	3	---	4	2	3	1 - 5	
RK-33	Triode-1	1	1	29	9	7	---	---	3	11	1 - 7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
RK-33	Triode-2	1	1	29	9	7	---	---	5	4	1 - 7	
34		1	1	34	23	3	---	3	2	11	1 - 4	
35/51		1	1	35	15	4	---	3	2	11	1 - 5	
35Z6	Plate-1	2	2	0	0	13	---	---	3	---	2 - 7	
35Z6	Plate-2	2	2	0	0	13	---	---	5	---	2 - 7	
36		1	1	30	20	7	---	3	2	11	1 - 5	
37		1	1	27	11	7	---	---	2	3	1 - 5	
38		1	1	38	12	7	---	3	2	11	1 - 5	
39/44		1	1	35	17	7	---	3	2	11	1 - 5	
40		1	1	14	41	6	---	---	2	3	1 - 4	
41		1	1	31	11	7	---	3	2	4	1 - 6	
42		1	1	32	11	7	---	3	2	4	1 - 6	
43		1	1	31	7	12	---	3	2	4	1 - 6	
45		1	1	35	6	4	---	---	2	3	1 - 4	
45Z3		2	1	0	2	14	6	---	2	---	1 - 7	Must show short on 2 - 6; Plate short test - depress 2 - 6 together. Fil Cont - Set control "E" at 12
45Z5		2	7	0	1	14	3	---	5	---	2 - 3 - 7	Fil Cont - Set Control "E" to 12
46		1	1	31	8	4	---	4	2	3	1 - 5	
47		1	1	37	8	4	---	4	2	3	1 - 5	
48		1	1	28	4	13	---	3	2	4	1 - 6	
49		1	1	30	12	3	---	4	2	3	1 - 5	
50		1	1	40	6	8	---	---	2	3	1 - 4	
50Z7	Plate-1	2	2	0	2	14	6	---	3	---	2 - 6 - 7	
50Z7	Plate-2	2	2	0	2	14	6	---	5	---	2 - 6 - 7	Fil Cont - Set Control "E" to 12
53	Triode-1	1	1	36	7	4	---	---	2	3	1 - 7	
53	Triode-2	1	1	36	7	4	---	---	6	5	1 - 7	
55	Triode	1	1	29	12	4	---	---	2	11	1 - 6	
55	Diode-1	3	1	0	26	4	---	---	3	---	1 - 6	
55	Diode-2	3	1	0	26	4	---	---	4	---	1 - 6	
56		1	1	15	17	4	---	---	2	3	1 - 5	
56A		1	1	15	16	7	---	---	2	3	1 - 5	
57		1	1	28	20	4	---	3	2	11	1 - 6	
57A		1	1	28	20	7	---	3	2	11	1 - 6	
58		1	1	28	20	4	---	3	2	11	1 - 6	
58A		1	1	28	20	7	---	3	2	11	1 - 6	
59		1	1	31	7	4	---	3	2	4	1 - 7	
RK-61		5	2	0	13	2	---	---	1	3	2 - 4	
KT-66		1	2	14	9	7	---	4	3	5	2 - 7	
HY-69		6	1	40	6	7	---	2	11	3	1 - 5	
70A7	Amp	1	2	20	6	15	---	4	3	5	2 - 6 - 7	Fil Cont - Set Control "E" to 12

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
70A7	Rect	2	2	0	0	15	---	---	6	---	2 - 6 - 7	Rect Test - See Instructions
70L7	Amp	1	2	19	6	15	---	4	3	5	2 - 7	
70L7	Rect	2	2	0	1	15	---	---	8	---	2 - 7	
71		1	1	37	5	6	---	---	2	3	1 - 4	
75	Triode	1	1	12	40	7	---	---	2	11	1 - 6	
75	Diode-1	3	1	0	27	7	---	---	3	---	1 - 6	
75	Diode-2	3	1	0	27	7	---	---	4	---	1 - 6	
HY-75		7	2	36	7	7	---	---	12	11	2 - 7	Red grip cap connects to right hand side of tube, when plugged in
76		1	1	15	17	7	---	---	2	3	1 - 5	
77		1	1	12	39	7	---	3	2	11	1 - 6	
78		1	1	15	32	7	---	3	2	11	1 - 6	
79	Triode-1	1	1	33	9	7	---	---	2	3	1 - 6	
79	Triode-2	1	1	33	9	7	---	---	5	11	1 - 6	
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	
83	Plate-1	2	1	0	2	6	---	---	2	---	1 - 4	
83	Plate-2	2	1	0	2	6	---	---	3	---	1 - 4	
84	Plate-1	2	1	0	4	7	---	---	2	---	1 - 5	
84	Plate-1	2	1	0	4	7	---	---	3	---	1 - 5	
G-84		2	1	0	11	4	---	---	2	---	1 - 4	
85	Triode	1	1	29	12	7	---	---	2	11	1 - 6	
85	Diode-1	3	1	0	26	7	---	---	3	---	1 - 6	
85	Diode-2	3	1	0	26	7	---	---	4	---	1 - 6	
89		1	1	33	10	7	---	3	2	11	1 - 6	
99		1	1	27	20	5	---	---	2	3	1 - 4	
101F		1	1	29	11	6	---	---	2	3	1 - 4	Test with pin facing top of panel
117L7	Amp	1	2	25	7	17	---	5	3	4	2 - 7	Fil Cont - Set Control "E" to 12
117L7	Rect	2	2	0	2	17	---	---	6	---	2 - 7	
117M7	Amp	1	2	25	7	17	---	5	3	4	2 - 7	Fil Cont - Set Control "E" to 12
117M7	Rect	2	2	0	2	17	---	---	6	---	2 - 7	
117N7	Amp	1	2	12	7	17	---	5	3	4	2 - 7	Fil Cont - Set Control "E" to 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" to 12
117P7	Rect	2	2	0	0	17	---	---	7	---	2 - 7	Rect Test - See Instructions
117Z3		2	2	0	1	17	1	---	5	---	3 - 4	Fil Cont - Set Control "E" to 12; May show short on 1 - 5
117Z4		2	2	0	1	17	---	---	5	---	2 - 7	Fil Cont - Set Control "E" at 12

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA													
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.		COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z			
117Z6	Plate-1	2	2	0	1	17	---	---	3	---	2 - 7	Fil Cont - Set Control "E" at 12	
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		
182-482A		1	1	37	5	6	---	---	2	3	1 - 4		
182B-482B		1	1	33	6	6	---	---	2	3	1 - 4		
183-483		1	1	35	5	6	---	---	2	3	1 - 4		
205D		1	1	32	10	6	---	---	2	3	1 - 4	Test with bayonet pin towards upper left corner	
247A		1	1	17	25	3	---	---	2	3	1 - 5		
262B		1	1	21	20	9	---	---	2	11	1 - 4		
264C		1	1	26	18	2	---	---	2	3	1 - 4		
271A		1	1	32	7	6	---	---	2	3	1 - 5		
272A		1	1	30	11	9	---	---	2	3	1 - 5		
274A	Plate-1	2	1	0	7	6	---	---	2	---	1 - 4		
274A	Plate-2	2	1	0	7	6	---	---	3	---	1 - 4		
300B		1	1	40	4	6	---	---	2	3	1 - 4		
307A		1	1	17	15	6	---	2	11	3	1 - 5		
310A		1	1	30	15	9	---	3	2	11	1 - 6		
313C		1	5	0	13	8	---	---	2	---	---	May show short on 1 - 4	
328A		1	1	30	15	8	---	3	2	11	1 - 6		
329A		1	1	16	11	8	---	3	2	11	1 - 5		
331B		2	1	23	10	9	---	3	2	11	1 - 5		
336A		1	1	27	9	9	---	3	2	4	1 - 6		
345A	Plate-1	2	1	0	6	7	---	---	2	---	1 - 5		
345A	Plate-2	2	1	0	6	7	---	---	3	---	1 - 5		
347A		1	2	16	23	7	---	---	4	11	2 - 7		
348A		1	2	27	17	7	---	4	3	11	2 - 7		
349A		1	2	25	10	7	---	4	3	5	2 - 7		
350A		7	1	18	7	7	---	2	11	3	1 - 5		
350B		7	2	18	7	7	---	4	3	5	2 - 7		
351A	Plate-1	1	2	0	5	7	---	---	3	---	2 - 7		
351A	Plate-2	1	2	0	5	7	---	---	5	---	2 - 7		
352A	Triode	1	1	17	24	9	---	---	2	11	1 - 6		
352A	Diode-1	3	1	0	23	9	---	---	3	---	1 - 6		
352A	Diode-2	3	1	0	23	9	---	---	4	---	1 - 6		
TS 383		1	4	0	15	7	---	---	1	---	3 - 4		
398A		1	2	20	7	7	---	6	8	4	2 - 7		
401A		1	3	23	13	7	---	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together	
407A	Triode-1	1	5	8	15	11	---	---	4	3	1 - 5 - 9		

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA													
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.		COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z			
407A	Triode-2	1	5	8	15	11	---	---	6	7	1 - 5 - 9		
408A		1	3	10	24	11	---	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together	
412A	Plate-1	5	4	0	7	7	---	---	9	---	4 - 5		
412A	Plate-2	5	4	0	7	7	---	---	1	---	4 - 5		
417A		1	3	14	7	7	5 - 7 - 8	---	1	4	3 - 9	Must show short on 4 - 5 - 7 - 8; Grid short test - Depress 4 - 5 - 7 - 8 together	
484-485		1	1	17	17	5	---	---	2	3	1 - 5		
CK-501-AX		5	3	8	37	2	---	2	1	4	3 - 5		
502A		7	2	0	3	7	---	---	3	5	2 - 7		
CK-502-AX		5	3	5	36	2	---	2	1	4	3 - 5		
CK-503-AX		5	3	5	38	2	---	2	1	4	3 - 5		
CK-505-AX		5	3	10	43	1	---	2	1	4	3 - 5		
CK-506-AX		5	3	12	17	2	---	2	1	4	3 - 5		
CK-507-AX		5	3	10	25	2	---	2	1	4	3 - 5		
CK-511-X		5	3	13	48	2	---	2	1	4	3 - 6		
CK-512-AX		3	3	7	50	1	---	2	1	4	3 - 5		
CK-520-AX		5	3	10	48	1	---	2	1	4	3 - 5		
CK-521-AX		5	3	19	13	2	---	2	1	4	3 - 5		
CK-522-AX		5	3	7	29	2	---	2	1	4	3 - 5		
CK-527-AX		3	3	17	34	2	---	2	1	4	3 - 5		
CK-532-AX		3	3	6	33	2	---	2	1	4	3 - 5		
CK-536-AX		3	3	6	33	2	---	2	1	4	3 - 5		
CK-542-DX		3	3	8	29	2	---	2	1	4	3 - 5		
CK-553-AXA		5	3	5	29	2	---	2	1	4	3 - 5		
CK-556-AX		5	2	20	11	2	---	---	1	3	2 - 4		
CK-568-AX		5	2	10	24	2	---	---	1	3	2 - 4		
CK-569-AX		5	3	19	20	2	---	2	1	4	3 - 5		
CK-573-AX		5	2	10	14	2	---	---	1	3	2 - 4		
585-586		1	1	37	6	8	---	---	2	3	1 - 4		
CX-605-CX		2	3	15	22	7	---	2	1	7	3 - 4		
CX-606-BX		3	2	0	16	7	---	---	1		2 - 3		
CK-608-CX		1	3	22	8	7	---	---	1	5	3 - 4		
CK-619-CX		5	2	11	15	7	---	---	1	4	2 - 3		
713A		1	2	5	30	7	---	6	8	4	2 - 7	Must show short on 3 - 5; Cathode short test - Depress 3 - 5 together	
717A		1	2	30	5	7	---	6	8	4	2 - 7	Must show short on 3 - 5; Cathode short test - Depress 3 - 5 together	
801		1	1	30	10	8	---	---	2	3	1 - 4		
802		6	1	34	8	7	---	3	11	4	1 - 7		
807		1	1	27	11	7	---	2	11	3	1 - 5		

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA													
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.		COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z			
809		1	1	15	30	7	---	---	11	3		1 - 4	
811A		1	1	38	7	7	---	---	11	3		1 - 4	
812		6	1	25	10	7	---	---	11	3		1 - 4	
815	Sect-1	7	5	15	10	7	---	4	11	7		1 - 5 - 8	
815	Sect-2	7	5	15	10	7	---	4	12	2		1 - 5 - 8	
816		2	1	0	1	4	---	---	11	-		1 - 4	
837		1	1	28	10	10	---	3	11	4		1 - 7	
841		6	1	44	6	8	---	---	2	3		1 - 4	
842		6	1	37	4	8	---	---	2	3		1 - 4	
843		1	1	30	10	4	---	---	2	3		1 - 5	
864		1	1	27	18	2	---	---	2	3		1 - 4	
866A		1	1	0	5	4	---	---	11	---		1 - 4	
866JR		7	1	0	4	4	---	---	2	---		1 - 4	
884		1	2	0	4	7	---	---	3	---		2 - 7	
885		1	1	0	4	5	---	---	2	---		1 - 5	
932		4	1	20	10	3	---	3	2	11		1 - 4	
950		1	1	37	11	3	---	4	2	3		1 - 5	
954		1	1	13	34	7	---	2	11	6		1 - 4	
955		1	1	25	13	7	---	---	2	3		1 - 4	
956		1	1	31	15	7	---	2	11	6		1 - 4	
957		1	1	24	22	2	5	---	2	3		1 - 4 - 5	
958		1	1	27	10	2	5	---	2	3		1 - 4 - 5	
959		1	1	23	35	2	5	2	11	6		1 - 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	
1005	Plate-1	7	6	0	4	7	---	---	3	---		6 - 8	
1005	Plate-2	7	6	0	4	7	---	---	5	---		6 - 8	
CK-1013		7	8	0	9	1	---	---	11	---		---	
													Must show short on 1 - 2 - 6 - 7; May show short on 3 - 5; Cathode short test - depress 1 - 2 - 6 - 7 together
1201		1	2	36	7	7	3 - 5	---	7	1		2 - 8	Plate short test - depress 3 - 7 together; Grid short test - depress 1 - 5 together; Cathode short test - depress 4 - 6 together; Must show short on 1 - 3 - 4 - 5 - 6 - 7 individually
1203		3	1	0	21	7	---	---	4	---		1 - 8	
1206	Sect-1	1	1	27	14	7	---	3	7	5		1 - 8	
1206	Sect-2	1	1	27	14	7	---	3	2	4		1 - 8	
1221		1	1	28	20	7	---	3	2	11		1 - 6	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
1222-A		1	1	17	10	7	---	3	2	4	1 - 6	
1223		1	2	28	20	7	---	4	3	11	2 - 7	
1229		1	1	15	35	3	---	3	2	11	1 - 4	
1231		1	1	10	25	7	---	3	2	6	1 - 8	
1232		1	1	11	23	7	---	3	2	6	1 - 8	
HY-1269		6	4	35	5	7	---	2	11	3	1 - 4 - 5	
1273		1	1	21	25	7	---	3	2	6	1 - 8	
1276		1	1	35	4	6	---	---	2	3	1 - 4	
1280		1	1	21	25	10	---	3	2	6	1 - 8	
1282		1	1	12	26	7	---	3	2	6	1 - 8	Must show short on 4 - 7; Cathode short test - depress 4 - 7 together
1284		1	1	20	22	10	---	3	2	6	1 - 8	
1291	Triode-1	1	4	17	18	2	---	---	2	3	1 - 4 - 8	
1291	Triode-2	1	4	17	18	2	---	---	7	6	1 - 4 - 8	
1293		1	1	20	18	2	---	---	2	6	1 - 8	
1299		1	7	18	15	2	---	3	2	6	1 - 7 - 8	
1602		1	1	30	10	8	---	---	2	3	1 - 4	
1603		1	1	28	20	7	---	3	2	11	1 - 6	
1609		1	1	25	29	2	---	4	2	3	1 - 5	
1610		1	1	37	8	4	---	4	2	3	1 - 5	
1611		1	2	32	10	7	---	4	3	5	2 - 7	
1612	Amp	4	2	10	29	7	---	4	3	5	2 - 7	
1612	Osc	3	2	12	25	7	---	---	4	11	2 - 7	
1613		1	2	32	10	7	---	4	3	5	2 - 7	
1614		1	2	24	9	7	---	4	3	5	2 - 7	
1619		6	2	38	5	4	---	4	3	5	2 - 7	
1620		1	2	15	35	7	---	4	3	11	2 - 7	
1621		1	2	32	10	7	---	4	3	5	2 - 7	
1622		1	2	24	9	7	---	4	3	5	2 - 7	
1624		6	1	35	6	4	---	2	11	3	1 - 5	
1625		1	1	28	8	10	---	3	11	4	1 - 7	
1626		1	2	30	6	10	---	---	3	5	2 - 7	
1629	Triode	1	2	25	24	10	---	---	3	5	2 - 7	
1629	Eye	1	2	0	0	10	---	---	3 - 4	---	2 - 7	See instructions for eye test.
1631		1	2	24	9	10	---	4	3	5	2 - 7	
1632		1	2	10	6	10	---	4	3	5	2 - 7	
1633	Triode-1	1	7	15	16	12	---	---	5	4	7 - 8	
1633	Triode-2	1	7	15	16	12	---	---	2	1	7 - 8	
1634	Triode-1	1	7	24	27	10	---	---	2	3	7 - 8	
1634	Triode-2	1	7	24	27	10	---	---	5	4	7 - 8	
1635	Triode-1	1	2	30	16	7	---	---	6	5	2 - 7	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA													
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.		COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z			
1635	Triode-2	1	2	30	16	7	---	---	3	4		2 - 7	
1639	Triode	1	2	30	10	7	---	---	3	11		2 - 7	
1639	Diode-1	3	2	0	19	7	---	---	5	---		2 - 7	
1639	Diode-1	3	2	0	19	7	---	---	4	---		2 - 7	
1644	Pent-1	1	6	30	13	10	---	5	4	3		6 - 7	
1644	Pent-2	1	6	30	13	10	---	5	8	1		6 - 7	
1650		1	1	25	13	7	---	---	2	3		1 - 4	
1655	Triode-1	1	7	19	27	7	---	---	5	4		7 - 8	
1655	Triode-2	1	7	19	27	7	---	---	2	3		7 - 8	
1657		7	2	0	3	7	---	---	3	5		2 - 7 Must show short on 1 - 4	
1659	Triode	1	1	12	40	4	---	---	2	11		1 - 6	
1659	Diode-1	3	1	0	27	4	---	---	3	---		1 - 6	
1659	Diode-2	3	1	0	27	4	---	---	4	---		1 - 6	
1662		1	5	26	12	2	6	3	2	4		1 - 5 - 7 Must show short on 2 - 6; Plate short test - depress 2 - 6 together	
1665		7	2	0	3	7	---	---	3	5		2 - 7	
1851		1	2	6	26	7	---	4	3	11		2 - 7	
1852		1	2	6	26	7	---	6	8	4		2 - 7	
1853		1	2	12	22	7	---	6	8	4		2 - 7	
2050		7	2	0	3	7	---	---	3	5		2 - 7	
2051		7	2	0	3	7	---	---	3	5		2 - 7	
5516		6	1	38	6	4	---	3	11	5		1 - 2 - 7 CAUTION - Levers 4 - 6 MUST be thrown to position "W" before inserting tube, and must remain in position "W" throughout all tests, including short tests	
CK-5517		7	8	0	9	1	---	---	11	---		--- Must show short on 1 - 2 - 6 - 7; May show short on 3 - 5; Cathode short test - depress 1 - 2 - 6 - 7 together	
5590		1	3	23	13	7	---	6	5	1		3 - 4 Must show short on 2 - 7	
5603		1	2	20	7	7	---	6	8	4		2 - 7	
CK-5608	Triode-1	1	7	28	11	4	---	---	6	5		1 - 7 May show short on 4	
CK-5608	Triode-2	1	7	28	11	4	---	---	2	3		1 - 7	
5610		1	3	28	7	7	1	---	5	6		3 - 4 Must show short on 1 - 5; Plate short test - Depress 1 - 5 together	
5618		1	5	17	8	4	---	3	2	6		1 - 5 - 7	
5636		5	3	10	30	7	---	7	5	1		3 - 6 Must show short on 2 - 8; Cathode short test - Depress 2 - 8 together	
5642		3	2	0	33	2	---	---	11	---		1 - 2 The two bottom leads of tube connect to octal socket Pins 1 & 2. Top lead connect to black grid cap.	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51												
TUBE	SECTION	A	B	C	D	E	LEVER				FIL. CONT.	COMMENT
							W	X	Y	Z		
5654		1	3	22	16	7	---	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together
5663		1	3	0	5	7	---	---	7	1	3 - 4	
5670	Triode-1	1	1	27	10	7	---	---	6	7	1 - 9	
5670	Triode-2	1	1	27	10	7	---	---	4	3	1 - 9	
5672		5	3	14	18	2	---	2	1	4	3 - 5	
5676		5	2	8	21	2	---	---	1	3	2 - 4	
5678		5	3	19	20	2	---	2	1	4	3 - 5	
5679	Diode-1	3	4	0	18	5	---	---	6	---	1 - 4 - 8	
5679	Diode-2	3	4	0	18	5	---	---	3	---	1 - 4 - 8	
5686		1	4	23	14	7	6	9	7	2	4 - 5	Screen short test - Depress 6 - 9 together. Cathode short test - Depress 1 - 3 - 8 together. Must show short on 1 - 3 - 6 - 8 - 9
5687	Triode-1	1	8	27	5	7	---	---	9	7	4 - 5 - 8	
5687	Triode-2	1	8	27	5	7	---	---	1	2	4 - 5 - 8	
5691	Triode-1	1	7	15	30	7	---	---	2	1	7 - 8	
5691	Triode-2	1	7	15	30	7	---	---	5	4	7 - 8	
5692	Triode-1	1	7	27	10	7	---	---	2	1	7 - 8	
5692	Triode-2	1	7	27	10	7	---	---	5	4	7 - 8	
5693		1	2	27	18	7	---	6	8	4	2 - 7	
5694	Triode-1	1	2	28	12	7	---	---	3	4	2 - 7	
5694	Triode-2	1	2	28	12	7	---	---	6	5	2 - 7	
5695		7	1	0	4	4	---	---	2	---	1 - 4	
5696		1	3	0	4	6	---	---	6	1	3 - 4	Must show short on 5 - 7; Screen short test - Depress 5 - 7 together.
5702		2	3	15	22	7	---	2	1	7	3 - 4	
5703		1	3	22	8	7	---	---	1	5	3 - 4	
5718		1	3	16	9	7	---	---	8	1	3 - 6	
5719		5	3	12	15	7	---	---	8	1	3 - 6	
5725		1	3	11	32	7	---	6	5	1	3 - 4	
5726	Diode-1	3	3	0	17	7	---	---	7	---	3 - 4	
5726	Diode-2	3	3	0	17	7	---	---	2	---	3 - 4	
5727		7	3	0	3	7	---	---	6	1	3 - 4	Must show short on 5 - 7; Screen short test - Depress 5 - 7 together.
5744		1	2	7	28	7	---	---	1	4	2 - 3	
5749		1	3	28	15	7	---	6	5	1	3 - 4	
5750	Amp	4	3	7	27	7	---	6	5	7	3 - 4	
5750	Osc	1	3	21	9	7	---	---	6	1	3 - 4	
5751	Triode-1	1	9	9	37	7	---	---	6	7	4 - 5 - 9	
5751	Triode-2	1	9	9	37	7	---	---	1	2	4 - 5 - 9	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER										
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
5755	Triode-1	3	9	22	20	7	---	---	8	6	4 - 5 - 9	
5755	Triode-2	3	9	22	20	7	---	---	1	3	4 - 5 - 9	
5763		1	4	27	10	7	8	6	1	9	4 - 5	Must show short on 8 - 9; Grid short test - Depress 8 - 9 together
5784		5	3	5	27	7	---	2	1	7	3 - 4	
5812		1	7	20	10	5	---	6	5	1	3 - 4 - 7	
5814	Triode-1	1	9	27	10	7	---	---	1	2	4 - 5 - 9	
5814	Triode-2	1	9	27	10	7	---	---	6	7	4 - 5 - 9	
5823		7	1	0	0	18	---	---	1	---	---	Must show short on 8 - 9; Grid short test - Depress 8 - 9 together
5824		1	2	14	5	12	---	4	3	5	2 - 7	
CK-5829	Diode-1	3	3	0	17	7	---	---	6	---	3 - 5	
CK-5829	Diode-2	3	3	0	17	7	---	---	1	---	3 - 5	
5840		1	3	10	25	7	---	7	5	1	3 - 6	Must show short on 2 - 4 - 8; Cathode short test - Depress 2 - 4 - 8 together
5842		1	3	14	7	7	5 - 7 - 8	---	1	4	3 - 9	Must show short on 4 - 5 - 7 - 8; Grid short test - Depress 4 - 5 - 7 - 8 together
5847		1	3	16	10	7	---	8	6	1	3 - 9	
CK-5854		3	3	11	29	2	---	1	2	4	3 - 5	
5879		1	4	20	35	7	---	7	8	1	4 - 5	
5881		1	2	21	9	7	---	4	3	5	2 - 7	
5899		5	3	8	14	7	---	7	5	1	3 - 6	Must show short on 2 - 4 - 8; Cathode short test - Depress 2 - 4 - 8 together
5902A		5	3	11	9	7	---	7	5	1	3 - 6	Must show short on 2 - 4 - 8; Cathode short test - Depress 2 - 4 - 8 together
5915	Amp	4	3	6	25	7	---	6	5	7	3 - 4	
5915	Osc	1	3	25	8	7	---	---	6	1	3 - 4	
5931	Plate-1	2	2	0	5	6	---	---	4	---	2 - 8	
5931	Plate-2	2	2	0	5	6	---	---	6	---	2 - 8	
5932		1	2	24	9	7	---	4	3	5	2 - 7	
5933		1	1	27	11	7	---	2	11	3	1 - 5	
5963	Triode-1	1	9	27	10	7	---	---	1	2	4 - 5 - 9	
5963	Triode-2	1	9	27	10	7	---	---	6	7	4 - 5 - 9	
5964	Triode-1	1	3	21	11	7	---	---	2	5	3 - 4	
5964	Triode-2	1	3	21	11	7	---	---	1	6	3 - 4	
5965	Triode-1	1	9	25	9	7	---	---	6	7	4 - 5 - 9	
5965	Triode-2	1	9	25	9	7	---	---	1	2	4 - 5 - 9	
6005		1	3	32	8	7	1	6	5	7	3 - 4	Must show short on 1 - 7; Grid short test - Depress 1 - 7 together
6021	Triode-1	1	3	16	14	7	---	---	8	7	3 - 6	
6021	Triode-2	1	3	16	14	7	---	---	1	2	3 - 6	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51												
											LEVER	
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6028		1	3	10	24	11	---	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together
6029		5	2	10	14	2	---	---	1	3	2 - 4	
6046		1	2	10	6	12	---	4	3	5	2 - 7	
6072	Triode-1	1	9	24	20	7	---	---	6	7	4 - 5 - 9	
6072	Triode-2	1	9	24	20	7	---	---	1	2	4 - 5 - 9	
6080	Triode-1	1	7	25	5	7	---	---	5	4	7 - 8	
6080	Triode-2	1	7	25	5	7	---	---	2	1	7 - 8	
6087	Plate-1	2	2	0	8	6	---	---	4	---	2 - 8	
6087	Plate-2	2	2	0	8	6	---	---	6	---	2 - 8	
6088		5	3	7	29	2	---	2	1	4	3 - 5	
6096		1	3	22	16	7	---	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together
6097	Diode-1	3	3	0	17	7	---	---	7	---	3 - 4	
6097	Diode-2	3	3	0	17	7	---	---	2	---	3 - 4	
6098		1	6	18	8	7	---	5	3	7	6 - 8	
6111	Triode-1	5	3	13	10	7	---	---	8	7	3 - 6	
6111	Triode-2	5	3	13	10	7	---	---	1	2	3 - 6	
6112	Triode-1	5	3	13	13	7	---	---	8	7	3 - 6	
6112	Triode-2	5	3	13	13	7	---	---	1	2	3 - 6	
6135		1	3	25	11	7	1	---	5	6	3 - 4	Must show short on 1 - 5; Plate short test - Depress 1 - 5 together
6136		1	3	13	27	7	---	6	5	1	3 - 4	
6137		1	2	25	20	7	---	6	8	4	2 - 7	
6146		1	2	7	6	7	---	3	11	5	2 - 7	Must show short on 1 - 4 - 6; Cathode short test - Depress 1 - 4 - 6 together
6159		1	2	7(15)	6(5)	12	---	3	11	5	2 - 7	Must show short on 1 - 4 - 6; Cathode short test - Depress 1 - 4 - 6 together
6187		1	3	11	32	7	---	6	5	1	3 - 4	
6188	Triode-1	1	7	14	30	7	---	---	2	1	7 - 8	
6188	Triode-2	1	7	14	30	7	---	---	5	4	7 - 8	
6189	Triode-1	1	9	27	10	7	---	---	1	2	4 - 5 - 9	
6189	Triode-2	1	9	27	10	7	---	---	6	7	4 - 5 - 9	
6197		1	4	11	12	7	2 - 3	8	6	9	4 - 5	Must show short on 2 - 3 - 8 - 9; Screen short test - Depress 3 - 8 together; Grid short test - Depress 2 - 9 together
6201	Triode-1	1	9	32	9	7	---	---	6	7	4 - 5 - 9	
6201	Triode-2	1	9	32	9	7	---	---	1	2	4 - 5 - 9	
6202	Plate-1	2	3	0	5	7	---	---	6	---	3 - 4	
6202	Plate-2	2	3	0	5	7	---	---	1	---	3 - 4	
6203	Diode-1	3	4	0	18	7	---	---	9	---	4 - 5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.	COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
6203	Diode-2	3	4	0	18	7	---	---	1	---	4 - 5	
6205		1	3	10	25	7	---	7	5	1	3 - 6	Must show short on 2 - 8; Cathode short test - Depress 2 - 8 together
6206		1	3	11	25	7	---	7	5	1	3 - 6	Must show short on 2 - 8; Cathode short test - Depress 2 - 8 together
6211	Triode-1	1	9	20	11	7	---	---	6	7	4 - 5 - 9	
6211	Triode-2	1	9	20	11	7	---	---	1	2	4 - 5 - 9	
6216		1	4	3	10	7	1	7	6	2	4 - 5	Must show short on 1 - 3 - 6 - 8; Grid short test - Depress 1 - 6 together; Cathode short test - Depress 3 - 8 together
6265		1	3	26	20	7	---	6	5	1	3 - 4	
6267		1	4	17	30	7	---	1	6	9	4 - 5	Must show short on 2 - 7
6336	Triode-1	1	7	0	4	7	---	---	5	4	7 - 8	
6336	Triode-2	1	7	0	4	7	---	---	2	1	7 - 8	
6336A	Triode-1	5	7	0	7	7	---	---	5	4	7 - 8	
6336A	Triode-2	5	7	0	7	7	---	---	2	1	7 - 8	
6350	Triode-1	1	9	10	11	7	---	---	6	8	4 - 5 - 9	
6350	Triode-2	1	9	10	11	7	---	---	1	3	4 - 5 - 9	
6360	Tetrode-1	1	9	29	12	7	---	7	8	3	4 - 5 - 9	
6360	Tetrode-2	1	9	29	12	7	---	7	6	1	4 - 5 - 9	
6386	Triode-1	1	1	20	10	7	---	---	6	7	1 - 9	
6386	Triode-2	1	1	20	10	7	---	---	4	3	1 - 9	
6394	Triode-1	1	7	15	4	12	---	---	5	4	7 - 8	
6394	Triode-2	1	7	15	4	12	---	---	2	1	7 - 8	
6417		1	4	27	10	10	8	6	1	9	4 - 5	Must show short on 8 - 9; Grid short test - Depress 8 - 9 together
6463	Triode-1	1	9	26	8	7	---	---	6	8	4 - 5 - 9	
6463	Triode-2	1	9	26	8	7	---	---	1	3	4 - 5 - 9	
6485		1	3	8	25	7	---	6	5	1	3 - 4	
6550		1	2	9	9	7	---	4	3	5	2 - 7	
6660		1	3	28	15	7	---	6	5	1	3 - 4	
6661		1	3	26	20	7	---	6	5	1	3 - 4	
6662		1	3	17	20	7	---	6	5	1	3 - 4	
6663	Diode-1	3	3	0	17	7	---	---	7	---	3 - 4	
6663	Diode-2	3	3	0	17	7	---	---	2	---	3 - 4	
6669		1	3	32	8	7	1	6	5	7	3 - 4	Must show short on 1 - 7; Grid short test - Depress 1 - 7 together
6677		1	4	11	12	7	2 - 3	8	6	9	4 - 5	Must show short on 2 - 3 - 8 - 9; Screen short test - Depress 3 - 8 together; Grid short test - Depress 2 - 9 together

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA													
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.		COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z			
6678	Triode	1	4	28	8	7	---	---	1	9		4 - 5	
6678	Pent	1	4	14	29	7	---	3	6	2		4 - 5	
6679	Triode-1	1	9	32	9	7	---	---	6	7		4 - 5 - 9	
6679	Triode-2	1	9	32	9	7	---	---	1	2		4 - 5 - 9	
6680	Triode-1	1	9	27	10	7	---	---	1	2		4 - 5 - 9	
6680	Triode-2	1	9	27	10	7	---	---	6	7		4 - 5 - 9	
6681	Triode-1	1	9	8	38	7	---	---	6	7		4 - 5 - 9	
6681	Triode-2	1	9	8	38	7	---	---	1	2		4 - 5 - 9	
6688		1	4	12	16	7	---	9	7	2		4 - 5	
6829	Triode-1	1	9	24	10	7	---	---	6	7		4 - 5 - 9	
6829	Triode-2	1	9	24	10	7	---	---	1	2		4 - 5 - 9	
6883		1	2	0	7	10	---	3	11	5		2 - 7	
6919	Diode-1	3	3	0	17	7	---	---	7	---		3 - 4	
6919	Diode-2	3	3	0	17	7	---	---	2	---		3 - 4	
6922	Triode-1	1	4	6	12	7	---	---	6	7		4 - 5	
6922	Triode-2	1	4	6	12	22	---	---	1	2		4 - 5	
6973		1	4	18	13	7	1 - 3	8	9	6		4 - 5 Must show short on 1 - 3 - 6 - 8; Grid short test - Depress 3 - 6 together; Screen short test - Depress 1 - 8 together	
7025	Triode-1	1	9	8	38	7	---	---	6	7		4 - 5 - 9	
7025	Triode-2	1	9	8	38	7	---	---	1	2		4 - 5 - 9	
7027		1	2	13	12	7	1 - 5	4	3	6		2 - 7 Must show short on 1 - 4 - 5 - 6; Screen short test - Depress 1 - 4 together; Grid short test - Depress 5 - 6 together	
7036	Amp	4	3	6	25	7	---	6	5	7		3 - 4	
7036	Osc	1	3	25	8	7	---	---	6	1		3 - 4	
7054		1	4	16	12	10	---	8	7	2		4 - 5 Must show short on 3 - 9	
7055	Diode-1	3	3	0	17	10	---	---	7	---		4 - 5	
7055	Diode-2	3	3	0	17	10	---	---	2	---		4 - 5	
7056		1	4	8	30	10	---	6	5	1		3 - 4	
7057	Triode-1	5	4	13	10	10	---	---	6	7		4 - 5	
7057	Triode-2	5	4	16	10	10	---	---	1	2		4 - 5	
7058	Triode-1	1	4	12	32	10	---	---	6	7		4 - 5	
7058	Triode-2	1	4	12	32	10	---	---	1	2		4 - 5	
7059	Triode	1	4	28	8	10	---	---	1	9		4 - 5	
7059	Pentode	1	4	14	29	10	---	3	6	2		4 - 5	
7060	Triode	2	4	15	25	10	---	---	1	2		4 - 5	
7060	Pentode	2	4	8	24	10	---	7	6	8		4 - 5	
7061		1	4	10	19	10	1 - 3	8	9	6		4 - 5 Must show short on 1 - 3 - 6 - 8; Grid short test - Depress 3 - 6 together; Screen short test - Depress 1 - 8 together	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.	COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
7167		2	3	11	20	10	---	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together
7189		1	4	16	10	7	1 - 6 - 8	9	7	2	4 - 5	May show short on 1 - 2 - 6 - 8; Grid short test - Depress 1 - 2 together
7199	Triode	1	4	21	10	7	---	---	1	9	4 - 5	
7199	Pentode	1	4	16	25	7	---	3	2	7	4 - 5	
7247	Triode-1	1	9	33	10	7	---	---	6	7	4 - 5 - 9	
7247	Triode-2	1	9	27	10	7	---	---	1	2	4 - 5 - 9	
7258	Triode	5	4	10	13	10	---	---	1	2	4 - 5	
7258	Pentode	4	4	8	10	10	---	7	6	8	4 - 5	
7355		1	2	6	10	7	---	8	3	6	2 - 7	
7370	Triode-1	2	8	18	10	11	---	---	9	7	4 - 5 - 8	
7370	Triode-2	2	8	18	10	11	---	---	1	2	4 - 5 - 8	
7408		1	2	31	9	7	---	4	3	5	2 - 7	
7551		1	4	15	10	10	3	8	6	2	4 - 5	Must show short on 1 - 3 - 8 - 9; Cathode short test - Depress 1 - 0 together; Screen short test - Depress 3 - 8 together
7558		1	4	14	10	7	3	8	6	2	4 - 5	Must show short on 1 - 3 - 8 - 9; Cathode short test - Depress 1 - 9 together; Screen short test - Depress 3 - 8 together
7581		1	2	24	10	6	---	4	3	5	2 - 7	
7586		2	4	18	10	7	---	---	1	2	4 - 5	Use red grid cap
7587		3	4	0	22	7	---	1	12	2	4 - 5	Red grid cap goes to top of tube
7591		1	2	16	10	7	4	8	3	6	2 - 7	Must show short on 4 - 8; Screen short test - Depress 4 - 8 together
7687	Triode	5	4	16	10	7	---	---	1	9	4 - 5	
7687	Pentode	4	4	9	10	7	---	3	6	2	4 - 5	
7695		1	4	0	6	14	---	1	9	6	4 - 5	Fil Cont - Set Control "E" at 12
7701		1	4	33	10	10	7	9	6	2	4 - 5	Must show short on 1 - 3 - 7 - 8 - 9; Cathode short test - Depress 1 - 3 - 8 together; Screen short test - Depress 7 - 9 together
7716	Triode	5	4	26	10	10	---	---	3	2	4 - 5	
7716	Pentode	1	4	17	10	10	---	8	9	7	4 - 5	
7728	Triode-1	1	9	32	9	7	---	---	6	7	4 - 5 - 9	
7728	Triode-2	1	9	32	9	7	---	---	1	2	4 - 5 - 9	
7729	Triode-1	1	9	12	32	7	---	---	6	7	4 - 5 - 9	
7729	Triode-2	1	9	12	32	7	---	---	1	2	4 - 5 - 9	
7730	Triode-1	1	9	27	10	7	---	---	6	7	4 - 5 - 9	
7730	Triode-2	1	9	27	10	7	---	---	1	2	4 - 5 - 9	
7731	Triode	1	4	28	8	7	---	---	1	9	4 - 5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (BG), (FB), (FH), 5-51		LEVER									FIL. CONT.	COMMENT
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
7731	Pentode	1	4	14	29	7	---	3	6	2	4 - 5	
7733		1	6	16	12	7	---	8	7	2	4 - 5 - 6	Must show short on 3 - 9; Suppressor short test - Depress 3 - 9 together
7754		1	4	5	5	7	---	1	9	6	4 - 5	
8016												Same as 1B3
9001		1	3	16	33	7	---	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together
9002		1	3	26	12	7	1	---	5	6	3 - 4	Plate short test - Depress 1 - 5 together. Cathode short test - Depress 2 - 7 together. Must show short on 1 - 2 - 5 - 7 individually.
9003		1	3	31	15	7	---	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together
9004		3	1	0	17	7	---	---	2	---	1 - 4	
9005		3	1	0	17	5	---	---	3	---	1 - 4	Must show short on 5
9006		3	3	0	20	7	1	---	5	---	3 - 4	Plate short test - Depress 1 - 5 together. Cathode short test - Depress 2 - 7 together. Must show short on 1 - 2 - 5 - 7 individually.
PJ-8		1	1	26	16	6	---	---	2	3	1 - 4	
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	