

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							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 the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
A863		1	2	28	20	7	---	4	3	11	2 - 7	
A1834	Triode-1	1	7	30	4	7	---	---	5	4	7 - 8	
A1834	Triode-2	1	7	30	4	7	---	---	2	1	7 - 8	
AA91E	Diode-1	3	3	0	17	7	---	---	7	---	3 - 4	
AA91E	Diode-2	3	3	0	17	7	---	---	2	---	3 - 4	
ABC-91		1	2	31	11	10	---	4	3	5	2 - 7	
AR18	Triode	1	2	13	33	7	---	---	3	11	2 - 7	
AR18	Diode	3	2	0	27	7	---	---	4	---	2 - 7	
AR18	Diode	3	2	0	27	7	---	---	5	---	2 - 7	
AZ41	Plate-1	2	7	0	8	5Z	5	---	6	---	7 - 8	Set switch "E" to 5 if there is no 5Z position
AZ41	Plate-2	2	8	0	8	5Z	1	---	2	---	7 - 8	
B139	Triode-1	5	4	10	10	8	---	---	9	6	4 - 5	Must show short on 7 - 8; Cathode short test Depress 7 - 8 together
B139	Triode-2	5	4	10	10	8	---	---	3	2	4 - 5	
DA90		3	1	0	27	2	2 - 5	---	6	---	1 - 7	Must show short on 2 - 5 - 6; Plate short test Depress 2 - 6 together
DAC32	Triode	5	2	12	46	2	---	---	3	11	2 - 7	
DAC32	Diode	3	2	0	27	2	---	---	5	---	2 - 7	
DAF91	Pent	1	1	26	35	2	---	4	5	6	1 - 7	
DAF91	Diode	3	1	0	29	2	---	---	3	---	1 - 7	
DAF92	Pentode	1	1	26	35	2	---	3	2	6	1 - 7	
DAF92	Diode	3	1	0	29	2	---	---	4	---	1 - 7	
DAF96	Pent	4	7	17	41	2	---	4	5	6	1 - 7	
DAF96	Diode	3	7	0	28	2	---	---	3	---	1 - 7	
DC90		5	7	21	14	2	2 - 5	---	3	6	1 - 7	Must show short on 2 - 3 - 5 - 6; Grid short test - Depress 5 - 6 together; Plate short test Depress 2 - 3 together
DC96		5	1	35	10	2	2 - 5	---	3	6	1 - 7	Must show short on 2 - 3 - 5 - 6; Plate short test - Depress 2 - 3 together; Grid short test - Depress 5 - 6 together
DCC90	Triode-1	1	4	20	14	2	---	---	2	3	1 - 4 - 7	
DCC90	Triode-2	1	4	20	14	2	---	---	6	5	1 - 4 - 7	
DF11		4	2	13	20	2	---	6	5	7	2 - 3	Must show short on 8
DF33		1	2	25	40	2	---	4	3	11	2 - 7	
DF91		1	7	32	22	2	5	3	2	6	1 - 5 - 7	
DF92		1	7	27	29	2	5	3	2	6	1 - 5 - 7	

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DF96		5	7	6	37	2	---	3	2	6	1 - 5 - 7	
DF97		5	7	16	33	2	---	3	2	6	1 - 5 - 7	
DF904		1	7	27	32	2	5	3	2	6	1 - 5 - 7	
DK32	Amp	4	2	25	29	2	---	4	3	11	2 - 7	
DK32	Osc	2	2	14	36	2	---	---	4 - 6	5	2 - 7	
DK91	Amp	4	7	9	39	2	5	3	2	6	1 - 5 - 7	
DK91	Osc	2	7	10	39	2	5	---	3	4	1 - 5 - 7	
DK92	Amp	1	7	50	31	2	---	6	2	3 - 4	1 - 7	
DK92	Osc	1	7	36	10	2	---	5	3	4	1 - 7	
DK96	Amp	5	7	27	40	2	---	6	2	3 - 4	1 - 7	
DK96	Osc	5	7	13	19	2	---	---	3	4	1 - 7	
DL11		4	2	13	10	2	---	6	5	7	2 - 3	
DL33		1	8	26	12	2	---	4	3	5	2 - 7 - 8	
DL35		1	2	27	13	2	---	4	3	5	2 - 7	
DL41		5	1	12	10	2	---	5	2	6	1 - 7 - 8	May show short on 3
DL92		1	5	27	14	2	6	4	2	3	1 - 5 - 7	Must show short on 2 - 6; Plate short test - Depress 2 - 6 together
DL93		1	5	26	12	2	6	3	2	4	1 - 5 - 7	Must show short on 2 - 6
DL94		1	5	27	15	2	---	3	2	6	1 - 5 - 7	
DL95		1	5	27	15	2	2	4	6	3	1 - 5 - 7	
DL96		1	5	30	10	2	---	3	2	6	1 - 5 - 7	
DL98	#	5	2	6	10	2	6	1	7	3	2 - 4 - 5	# CAUTION Lever 6 must be thrown to position "W" before inserting tube and must remain in position "W" throughout all tests, including short tests
DM70	Eye	3	4	0	0	2	---	---	1 - 8	---	4 - 5	See instructions for eye test
DM71	Eye	3	4	0	0	2	---	---	1 - 8	---	4 - 5	See instructions for eye test
DY80	#											# 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.
DY80		7	2	0	16	2	5 - 8	---	11	---	\$	\$ Fil Cont - 1 - 2 - 4 - 6 - 9; May show short on 3 - 7
DY86	#											# 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.

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
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This supplementary chart provides settings for tubes which fall into the following classification:												
1. Foreign Tubes												
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DY86		7	2	0	14	2	5 - 8	---	11	---	\$	\$ Fil Cont - 1 - 2 - 4 - 6 - 9; May show short on 3 - 7
DY87	#											# 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.
DY87		7	2	0	14	2	5 - 8	---	11	---	\$	\$ Fil Cont must show short on 1 - 2 - 4 - 5 - 6 - 8 - 9
DY802	*	7	2	0	17	2	5 - 8	---	11	---	?	* CAUTION: Levers 5 - 8 must be thrown to "W" position before inserting tube and remain there for all tests; Must show short on 1 - 2 - 4 - 6 - 9
E55L	*	1	4	5	7	7	---	3	1	8	4 - 5	* Must use magnoval adapter; Must show short on 2 - 6 - 7 - 9
E80CC	Triode-1	1	9	10	22	7	---	---	6	7	4 - 5 - 9	
E80CC	Triode-2	1	9	10	22	7	---	---	1	2	4 - 5 - 9	
E80F		3	4	7	32	7	7	1	6	9	4 - 5	Must show short on 2 - 7
E80L		1	4	10	16	7	---	8	7	2	4 - 5	Must show short on 1 - 6
E81CC	Triode-1	1	9	32	10	7	---	---	1	2	4 - 5 - 9	
E81CC	Triode-2	1	9	32	10	7	---	---	6	7	4 - 5 - 9	
E81L		4	4	4	9	7	1	8	7	2	4 - 5	
E82CC	Triode-1	1	9	27	10	7	---	---	6	7	4 - 5 - 9	
E82CC	Triode-2	1	9	27	10	7	---	---	1	2	4 - 5 - 9	
E83CC	Triode-1	1	9	12	32	7	---	---	6	7	4 - 5 - 9	
E83CC	Triode-2	1	9	12	32	7	---	---	1	2	4 - 5 - 9	
E83F		1	4	12	20	7	---	1	6	2	5	
E84L		1	4	28	7	7	1	9	7	2	4 - 5	Must show short on 1 - 2
E88CC	Triode-1	1	4	6	12	7	---	---	6	7	4 - 5	
E88CC	Triode-2	1	4	6	12	7	---	---	1	2	4 - 5	
E90Z		2	3	0	3	7	---	---	1	---	3 - 4	
E90Z		2	3	0	3	7	---	---	6	---	3 - 4	
E91AA	Diode-1	3	3	0	17	7	---	---	7	---	3 - 4	
E91AA	Diode-2	3	3	0	17	7	---	---	2	---	3 - 4	
E91N		7	3	0	3	7	---	---	6	1	3 - 4	Must show short on 5 - 7
E180F		1	4	12	16	7	---	9	7	2	4 - 5	
E182CC	Triode-1	1	8	27	5	7	---	---	9	7	4 - 5 - 8	
E182CC	Triode-2	1	8	27	5	7	---	---	1	2	4 - 5 - 8	
E188CC	Triode-1	1	4	10	10	7	---	---	6	7	4 - 5	

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E188CC	Triode-2	1	4	10	10	7	---	---	1	2	4 - 5	
E235L		1	2	5	5	7	1	4	3	5	2 - 7	
E810F		5	4	0	13	7	9	6	7	2	4 - 5	Must show short on 1 - 3 - 6 - 9
EAA11	Diode-1	3	2	0	16	7	---	---	5	---	2 - 3	
EAA11	Diode-2	3	2	0	16	7	---	---	6	---	2 - 3	
EAA91	Diode-1	3	3	0	17	7	---	---	7	---	3 - 4	
EAA91	Diode-2	3	3	0	17	7	---	---	2	---	3 - 4	
EAA901	Diode-1	3	3	0	17	7	---	---	7	---	3 - 4	
EAA901	Diode-2	3	3	0	17	7	---	---	2	---	3 - 4	
EABC80	Triode	4	4	14	10	7	---	---	9	8	4 - 5	Correction (GK)
EABC80	Diode-1	3	4	0	24	7	---	---	6	---	4 - 5	Correction (GK)
EABC80	Diode-2	3	4	0	16	7	---	---	2	---	4 - 5	
EABC80	Diode-3	3	4	0	16	7	---	---	1	---	4 - 5	
EAC91	Triode	1	3	30	10	7	---	---	7	6	3 - 4	
EAC91	Diode	3	3	0	16	7	---	---	1	---	3 - 4	
*EAF42	Pent	1	1	8	29	7	---	5	2	6	1 - 8	
*EAF42	Diode	3	1	0	21	7	---	---	3	---	1 - 8	
EAF801	Diode	3	4	0	21	7	---	---	8	---	4 - 5	
EAF801	Pentode	4	4	30	32	7	---	1	6	2	4 - 5	
EAM86	Triode	5	4	9	14	7	---	---	1	8	4 - 5	
EAM86	Eye	7	4	0	0	7	---	---	6 - 7	---	4 - 5	See instructions for eye test
EB41	Diode-1	3	1	0	16	7	---	---	6	---	1 - 8	
EB41	Diode-2	3	1	0	16	7	---	---	4	---	1 - 8	
EB91	Diode-1	3	3	0	16	7	---	---	7	---	3 - 4	
EB91	Diode-2	3	3	0	16	7	---	---	2	---	3 - 4	
EBC11	Triode	1	2	27	10	7	---	---	6	7	3 - 4	
EBC11	Diode-1	3	2	0	20	7	---	---	5	---	3 - 4	
EBC11	Diode-2	3	2	0	20	7	---	---	4	---	3 - 4	
EBC33	Triode	1	2	30	10	7	---	---	3	11	2 - 7	
EBC33	Diode-1	3	2	0	19	7	---	---	5	---	2 - 7	
EBC33	Diode-2	3	2	0	19	7	---	---	4	---	2 - 7	
EBC41	Triode	4	1	13	10	7	---	---	2	3	1 - 8	
EBC41	Diode-1	3	1	0	22	7	---	---	5	---	1 - 8	
EBC41	Diode-2	3	1	0	22	7	---	---	6	---	1 - 8	
EBC81	Triode	4	4	11	10	7	---	---	1	2	4 - 5	
EBC81	Diode-1	3	4	0	27	7	---	---	8	---	4 - 5	
EBC81	Diode-2	3	4	0	25	7	---	---	6	---	4 - 5	
EBC90	Triode	1	3	13	30	7	---	---	7	1	3 - 4	

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EBC90	Diode-1	3	3	0	26	7	---	---	6	---	3 - 4	
EBC90	Diode-2	3	3	0	26	7	---	---	5	---	3 - 4	
EBC91	Triode	1	3	12	32	7	---	---	7	1	3 - 4	
EBC91	Diode-1	3	3	0	27	7	---	---	6	---	3 - 4	
EBC91	Diode-2	3	3	0	27	7	---	---	5	---	3 - 4	
EBF15	Pent	4	2	3	10	7	---	6	1	7	2 - 3	
EBF15	Diode	3	2	0	18	7	---	---	5	---	2 - 3	
EBF80	Pent	1	4	14	31	7	---	1	6	2	4 - 5	
EBF80	Diode-1	3	4	0	23	7	---	---	7	---	4 - 5	
EBF80	Diode-2	3	4	0	23	7	---	---	8	---	4 - 5	
EBF83	Pent	1	4	20	19	7	---	1	6	2	4 - 5	
EBF83	Diode-1	3	4	0	21	7	---	---	7	---	4 - 5	
EBF83	Diode-2	3	4	0	21	7	---	---	8	---	4 - 5	
EBF89	Pent	1	4	27	17	7	---	1	6	2	4 - 5	
EBF89	Diode-1	3	4	0	11	7	---	---	7	---	4 - 5	
EBF89	Diode-2	3	4	0	11	7	---	---	8	---	4 - 5	
EC80		1	1	35	5	7	2 - 7	---	3	8	1 - 4	Must show short on 2 - 3 - 7 - 8 individually
EC81		1	4	11	11	7	---	---	8	1	4 - 5	
EC86		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
EC88		5	4	8	9	7	---	---	8	9	4 - 5	Must show short on 1 - 3 - 6 - 7 - 9
EC91		4	3	5	5	7	1	---	7	6	3 - 4	Must show short on 1 - 2 - 5 - 6
EC92		1	3	30	10	7	---	---	1	6	3 - 4	
EC95		1	3	17	10	7	---	6	5	2	3 - 4	Must show short on 1 - 7; Cathode short test Depress 1 - 7 together
EC97		1	3	13	10	7	---	---	5	2	3 - 4	Must show short on 1 - 7; Cathode short test Depress 1 - 7 together
EC900		1	3	13	10	7	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
ECC33	Triode-1	1	7	28	10	7	---	---	5	4	7 - 8	
ECC33	Triode-2	1	7	28	10	7	---	---	2	1	7 - 8	
ECC34	Triode-1	1	7	25	10	7	---	---	5	4	7 - 8	
ECC34	Triode-2	1	7	25	10	7	---	---	2	1	7 - 8	
ECC35	Triode-1	1	7	33	10	7	---	---	5	4	7 - 8	
ECC35	Triode-2	1	7	33	10	7	---	---	2	1	7 - 8	
ECC40	Triode-1	2	1	31	10	7	---	---	5	6	1 - 8	

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ECC40	Triode-2	2	1	31	10	7	---	---	2	3	1 - 8	
ECC81	Triode-1	1	9	32	9	7	---	---	6	7	4 - 5 - 9	
ECC81	Triode-2	1	9	32	9	7	---	---	1	2	4 - 5 - 9	
ECC82	Triode-1	1	9	27	10	7	---	---	1	2	4 - 5 - 9	
ECC82	Triode-2	1	9	27	10	7	---	---	6	7	4 - 5 - 9	
ECC83	Triode-1	1	9	8	38	7	---	---	6	7	4 - 5 - 9	
ECC83	Triode-2	1	9	8	38	7	---	---	1	2	4 - 5 - 9	
ECC84	Triode-1	5	4	9	10	7	---	---	9	6	4 - 5	Must show short on 7 - 8; Cathode short test, Section 1 - Depress 7 - 8 together
ECC84	Triode-2	5	4	9	10	7	---	---	3	2	4 - 5	
ECC85	Triode-1	1	5	21	13	7	---	---	6	7	4 - 5	
ECC85	Triode-2	1	5	21	13	7	---	---	1	2	4 - 5	
ECC86	Triode-1	2	4	10	10	7	---	---	6	7	4 - 5	
ECC86	Triode-2	2	4	10	10	7	---	---	1	2	4 - 5	
ECC86	Diode	3	2	0	18	7	---	---	4	---	4 - 5	
ECC88	Triode-1	1	4	6	12	7	---	---	6	7	4 - 5	
ECC88	Triode-2	1	4	6	12	7	---	---	1	2	4 - 5	
ECC91	Triode-1	1	3	16	13	7	---	---	2	5	3 - 4	
ECC91	Triode-2	1	3	16	13	7	---	---	1	6	3 - 4	
ECC189	Triode-1	2	4	12	10	7	---	---	6	7	4 - 5	
ECC189	Triode-2	2	4	12	10	7	---	---	1	2	4 - 5	
ECC801S	Triode-1	1	9	32	9	7	---	---	6	7	4 - 5 - 9	
ECC801S	Triode-2	1	9	32	9	7	---	---	1	2	4 - 5 - 9	
ECC802S	Triode-1	1	9	27	10	7	---	---	1	2	4 - 5 - 9	
ECC802S	Triode-2	1	9	27	10	7	---	---	6	7	4 - 5 - 9	
ECC808	Triode-1	5	4	16	17	7	---	---	7	9	4 - 5	
ECC808	Triode-2	5	4	16	17	7	---	---	3	1	4 - 5	
ECF12	Triode	5	2	23	10	7	---	---	5	4	2 - 3	
ECF12	Pent	4	2	10	15	7	---	6	1	7	2 - 3	
ECF80	Triode	1	4	14	10	7	---	---	1	9	4 - 5	
ECF80	Pent	1	4	23	16	7	---	3	6	2	4 - 5	
ECF82	Triode	1	4	28	8	7	---	---	1	9	4 - 5	
ECF82	Pent	1	4	14	29	7	---	3	6	2	4 - 5	
ECF83	Triode	3	4	15	17	7	---	---	3	2	4 - 5	
ECF83	Pentode	4	4	10	10	7	---	7	6	9	4 - 5	
ECF86	Triode	1	4	5	10	7	---	---	7	6	4 - 5	May show short on 1 - 3; Cathode short test - Depress 1 - 3 together
ECF86	Pent	1	4	7	25	7	---	9	8	2	4 - 5	

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ECF200	Triode	4	5	10	14	7	---	---	9	11	5 - 6	
ECF200	Pentode	2	5	0	39	7	---	8	7	3	5 - 6	
ECF201	Triode	5	5	9	10	7	---	---	9	11	5 - 6	
ECF201	Pentode	5	5	0	20	7	---	8	7	3	5 - 6	
ECF202	Triode	5	5	8	10	7	---	---	9	11	5 - 6	
ECF202	Pentode	5	5	5	30	7	---	8	7	3	5 - 6	
ECF801	Triode	5	4	7	8	7	---	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
ECF801	Pentode	1	4	0	38	7	---	7	6	2	4 - 5	
ECF802	Triode	5	4	10	15	7	---	---	1	9	4 - 5	
ECF802	Pentode	4	4	7	11	7	---	3	6	2	4 - 5	
ECF805	Triode	5	4	7	10	7	---	---	1	9	4 - 5	
ECF805	Pentode	5	4	0	22	7	---	2	3	7	4 - 5	
ECH21	Pentode	3	1	10	25	7	---	5	2	6	8	
ECH21	Triode	3	1	5	29	7	---	---	3	4	8	
ECH35	Triode	1	2	30	10	7	---	---	6	5	2 - 7	
ECH35	Hexode	1	2	18	34	7	---	4	3	11	2 - 7	
ECH42	Triode	1	1	30	10	7	---	---	3	4	1 - 8	
ECH42	Hexode	1	1	5	38	7	---	5	2	6	1 - 8	
ECH81	Amp	1	4	14	31	7	---	1	6	2	4 - 5	
ECH81	Osc	1	4	25	10	7	---	---	1	2	4 - 5	
ECH81	Triode	1	4	25	13	7	---	---	8	9	4 - 5	
ECH83	Amp	1	4	17	29	7	---	1	6	2	4 - 5	
ECH83	Osc	3	4	10	23	7	---	---	1	2	4 - 5	
ECH83	Triode	1	4	27	10	7	---	---	8	9	4 - 5	
ECH84	Triode	5	4	9	17	7	---	---	8	9	4 - 5	
ECH84	Heptode	5	4	6	16	7	---	7	6	2	4 - 5	
ECH200	Triode	5	5	8	10	7	---	---	11	8	5 - 6	
ECH200	Pentode	5	5	5	21	7	---	4	7	3	5 - 6	
ECL11	Triode	5	2	29	10	7	---	---	6	7	2 - 3	
ECL11	Tetrode	1	2	26	10	7	---	4	1	5	2 - 3	
ECL80	Pent	1	4	26	10	7	---	8	6	9	4 - 5	
ECL80	Triode	1	4	34	10	7	---	---	1	2	4 - 5	
ECL82	Triode	1	4	31	11	7	---	---	9	1	4 - 5	
ECL82	Pent	1	4	10	12	7	---	7	6	3	4 - 5	
ECL84	Triode	1	4	31	10	7	---	---	2	1	4 - 5	
ECL84	Pent	1	4	26	11	7	---	9	6	8	4 - 5	
ECL85	Triode	2	4	34	10	7	---	---	1	2	4 - 5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							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 the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
ECL85	Pentode	2	4	7	10	7	---	7	6	9	4 - 5	
ECL86	Triode	4	4	15	10	7	---	---	9	1	4 - 5	
ECL86	Pent	1	4	19	10	7	---	3	6	8	4 - 5	
ECLL800		3	4	35	20	7	---	---	1 - 9	2	4 - 5	
ECLL800		1	4	23	15	7	---	9	3	2	4 - 5	
ECLL800		1	4	23	15	7	---	9	8	6	4 - 5	
ED500	*	4	4	10	45	7	---	---	11	8	4 - 5	* Must use magnoval adapter; Must show short on 1 - 2 - 3 - 6 - 7 - 9; OK above 30; Cap goes to top of tube
EF12		4	2	11	10	7	---	6	5	7	2 - 3	
EF14		4	2	3	10	7	---	1	5	6	2 - 3	
EF15		4	2	0	11	7	---	6	5	7	2 - 3	
EF22		1	1	11	23	7	---	3	2	6	1 - 8	
EF37A		3	2	8	31	7	---	4	3	11	2 - 7	
EF39		4	2	11	10	7	---	4	3	11	2 - 7	
EF40		5	1	7	27	7	---	6	2	5	1 - 8	May show short on 3 - 7
*EF41		1	1	8	32	7	---	5	2	6	1 - 8	May show short on 3 - 7
EF42		4	1	10	10	7	---	5	2	6	1 - 8	
EF80		1	4	8	29	7	3	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
EF83		5	4	0	28	7	---	1	6	9	4 - 5	May show short on 2 - 7
EF85		4	4	5	10	7	3	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
EF86		1	4	17	30	7	---	1	6	9	4 - 5	Must show short on 2 - 7
EF89		1	4	8	28	7	---	8	7	2	4 - 5	May show short on 1 - 6
EF91		4	3	10	10	7	---	7	5	1	3 - 4	
EF92		4	3	14	10	7	---	7	5	1	3 - 4	
EF93		1	3	28	15	7	---	6	5	1	3 - 4	
EF94		1	3	13	27	7	---	6	5	1	3 - 4	
EF95		1	3	22	16	7	---	6	5	1	3 - 4	Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
EF97		5	3	0	9	7	---	6	5	1	3 - 4	
EF98		5	3	0	9	6	---	6	5	1	3 - 4	
EF183		1	4	5	23	7	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
EF184		1	4	5	25	7	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
EF804		4	4	9	17	7	---	8	7	9	4 - 5	Must show short on 2 - 6

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							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 the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
EF806S		1	4	17	30	7	---	1	6	9	4 - 5	Must show short on 2 - 7
EFL200	Pent-1	1	5	7	11	7	---	9	11	8	5 - 6	
EFL200	Pent-2	1	5	15	16	7	---	3	4	1	5 - 6	
EH90	Amp	4	3	7	28	7	---	6	5	7	3 - 4	
EH90	Osc	1	3	22	10	7	---	---	6	1	3 - 4	
EH900S	Amp	4	3	6	25	7	---	6	5	7	3 - 4	
EH900S	Osc	1	3	25	8	7	---	---	6	1	3 - 4	
EK11		1	3	2	26	5	---	---	7	4	1 - 7	
EK90	Amp	4	3	7	27	7	---	6	5	7	3 - 4	
EK90	Osc	1	3	21	9	7	---	---	6	1	3 - 4	
EL11		1	2	18	10	7	---	6	5	7	2 - 3	
EL12		1	2	18	7	7	---	6	5	7	2 - 3	
EL13		1	2	25	10	7	---	6	5	7	2 - 3	
EL32		1	2	29	10	7	---	4	3	11	2 - 7	
EL33		1	2	22	10	7	---	4	3	5	2 - 7	
EL34		1	2	15	7	7	---	4	3	5	2 - 7	
EL36		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
EL37		1	7	8	11	7	---	4	3	5	2 - 7	
EL38		1	2	13	10	6	---	4	11	5	2 - 7	
*EL41		1	1	12	10	7	---	5	2	6	1 - 8	Must show short on 3 - 7; Cathode short test Depress 3 - 7 together
EL81		5	4	5	6	7	7	8	11	2	4 - 5	Must show short on 1 - 6 - 7 - 8 - 9
EL82		1	4	7	10	7	---	9	7	2	4 - 5	
EL83		5	4	7	9	7	---	1	7	2	4 - 5	
EL84		1	4	28	7	7	1	9	7	2	4 - 5	Must show short on 1 - 2; Grid short test - Depress 1 - 2 together
EL85		1	4	30	10	7	1	9	7	2	4 - 5	Must show short on 1 - 2 - 6 - 8; Grid short test - Depress 1 - 2 together; Suppressor short test - Depress 6 - 8 together
EL86		1	4	0	10	6	1 - 6 - 8	9	7	2	4 - 5	May show short on 1 - 2 - 6 - 7 - 8 - 9; Grid short test - Depress 1 - 2 together; Plate short test - Depress 7 - 8 together; Screen short test - Depress 6 - 9 together
EL90		1	3	32	8	7	1	6	5	7	3 - 4	Must show short on 1 - 7; Grid short test - Depress 1 - 7 together

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							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 the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
EL91		1	3	31	10	7	---	7	5	1	3 - 4	
EL95		1	3	25	10	7	1	6	5	7	3 - 4	May show short on 1 - 7; Grid short test - Depress 1 - 7 together
EL500	*	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
EL503	*	1	4	5	6	7	7 - 8	1	9	3	4 - 5	* Must use magnoval adapter; Must show short on 1 - 2 - 3 - 6 - 7 - 8
EL504	*	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
EL505	*	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
EL802		1	4	5	15	7	6	8	7	2	4 - 5	Must show short on 3 - 6 - 8 - 9
EL821		1	4	20	12	7	---	8	7	2	4 - 5	
ELL80	Pent-1	5	4	6	8	7	---	1	3	2	4 - 5	
ELL80	Pent-2	5	4	6	8	7	---	9	8	6	4 - 5	
EM11	Triode	1	2	31	10	7	---	---	5	7	2 - 3	
EM11	Eye	1	2	0	0	7	---	---	5 - 6 - 1	---	2 - 3	See instructions for eye test
EM34		7	2	0	0	7	---	---	3 - 6 - 5	---	2 - 7	See instructions for eye test
EM35	Triode	1	2	13	25	7	---	---	3	4	2 - 7	
EM35	Eye	7	2	0	0	7	---	---	3 - 6 - 5	---	2 - 7	See instructions for eye test
EM80	Triode	1	4	19	20	7	---	---	7	1	4 - 5	May show short on 3 - 6 - 9
EM80	Eye	7	4	0	0	7	3 - 6	---	7 - 9	---	4 - 5	See instructions for eye test
EM81	Triode	1	4	34	24	7	---	---	7	1	4 - 5	Must show short on 3 - 8 - 9
EM81	Eye	7	4	0	0	7	3 - 8	---	7 - 9	---	4 - 5	See instructions for eye test
EM84	Triode	3	4	25	45	7	---	---	9	1	4 - 5	Must show short on 2 - 6 - 8; Correction (GK)
EM84	Eye	4	4	0	0	7	2 - 8	---	7 - 6	---	4 - 5	See instructions for eye test
EM87	Triode	5	4	15	20	7	---	---	9	1	4 - 5	Must show short on 2 - 6 - 8
EM87	Eye	7	4	0	0	7	2 - 8	---	6 - 7	---	4 - 5	See instructions for eye test; Target short test - Depress 2 - 6 - 8 together
EN32		3	1	20	25	7	---	6	3	5	7	
EQ80		5	4	10	32	7	---	1	6	7	4 - 5	Must show short on 3 - 8

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							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 the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
EY51		1	2	0	21	7	---	---	11	---	1 - 2	Connect two bottom leads to octal sockets Pins 1 and 2. Top lead connect to grid cap
EY80		3	4	0	18	7	---	---	9	---	4 - 5	
EY81		3	4	0	16	7	2	---	9	---	4 - 5	May show short on all pins
EY82		3	4	0	18	7	---	---	9	---	4 - 5	
EY86	#											# 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.
EY86		7	2	0	14	7	5 - 8	---	11	---	\$	\$ Fil Cont must show short on 1 - 2 - 4 - 6 - 9
EY87	#	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" throughout all tests, including short tests. \$ Fil Cont - Must show short on 1 - 2 - 4 - 6 - 9
EY88		1	4	0	4	7	*	---	9	---	4 - 5	May show short on 1 - 2 - 3 - 6 - 7 - 8 - 9; * W = 1 - 2 - 3 - 6 - 7 - 8
EY500	*	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
EZ11	Plate-1	1	2	0	5	7	---	---	6	---	2 - 3	
EZ11	Plate-2	1	2	0	5	7	---	---	5	---	2 - 3	
EZ35	Plate-1	2	2	0	3	7	---	---	3	---	2 - 7	
EZ35	Plate-2	2	2	0	3	7	---	---	5	---	2 - 7	
EZ80	Plate-1	2	4	0	4	7	---	---	1	---	4 - 5	
EZ80	Plate-2	2	4	0	4	7	---	---	7	---	4 - 5	
EZ81	Plate-1	2	4	0	1	7	---	---	1	---	4 - 5	
EZ81	Plate-2	2	4	0	1	7	---	---	7	---	4 - 5	
EZ90	Plate-1	2	3	0	3	7	---	---	1	---	3 - 4	
EZ90	Plate-2	2	3	0	3	7	---	---	6	---	3 - 4	
GY501	* #	7	4	0	17	4	2 - 8	---	11	---	4 - 5	* Must use magnoval adapter; # 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; Must show short on 1 - 9
GZ30	Plate-1	2	2	0	2	6	---	---	6	---	2 - 8	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							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 the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
GZ30	Plate-2	2	2	0	2	6	---	---	4	---	2 - 8	
GZ32	Plate-1	2	2	0	2	6	---	---	4	---	2 - 8	
GZ32	Plate-2	2	2	0	2	6	---	---	6	---	2 - 8	
GZ34	Plate-1	1	2	0	4	6	---	---	4	---	2 - 8	
GZ34	Plate-2	1	2	0	4	6	---	---	6	---	2 - 8	
HBC90	Triode	1	3	13	30	10	---	---	7	1	3 - 4	
HBC90	Diode-1	3	3	0	26	10	---	---	5	---	3 - 4	
HBC90	Diode-2	3	3	0	26	10	---	---	6	---	3 - 4	
HBC91	Triode	1	3	12	32	10	---	---	7	1	3 - 4	
HBC91	Diode-1	3	3	0	27	10	---	---	6	---	3 - 4	
HBC91	Diode-2	3	3	0	27	10	000	000	5	---	3 - 4	
HCC85	Triode-1	1	5	21	13	11	---	---	6	7	4 - 5	
HCC85	Triode-2	1	5	21	13	11	---	---	1	2	4 - 5	
HCH81	Triode	5	4	11	12	10	---	---	8	9	4 - 5	
HCH81	Pentode	5	4	9	15	10	---	1	6	2	4 - 5	
HF93		1	3	28	15	10	---	6	5	1	3 - 4	
HK90	Amp	4	3	7	27	10	---	6	5	7	3 - 4	
HK90	Osc	1	3	21	9	10	---	---	6	1	3 - 4	
HL92		1	3	8	8	14	2	6	7	5	3 - 4	Must show short on 2 - 5; Grid short test - Depress 2 - 5 together; Fil Cont - Set control "E" at 12
HL94		1	3	5	6	12	2	---	5	1	3 - 4	Must show short on 2 - 5
HY90	Amp	2	3	0	1	13	6	---	5	---	3 - 4 - 6	
KT66		1	2	14	9	7	---	4	3	5	2 - 7	
KT88		1	2	0	10	7	---	4	3	5	2 - 7	Correction (GK)
LC900		1	3	13	10	4	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
LCF80	Triode	1	4	14	10	7	---	---	1	9	4 - 5	
LCF80	Pentode	1	4	23	16	7	---	3	6	2	4 - 5	
LCF200	Triode	4	5	10	14	7	---	---	9	11	5 - 6	
LCF200	Pentode	2	5	0	39	7	---	8	7	3	5 - 6	
LCF201	Triode	2	5	9	10	7	---	---	9	11	5 - 6	
LCF201	Pentode	2	5	0	20	7	---	8	7	3	5 - 6	
LCF801	Triode	5	4	7	8	6	---	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
LCF801	Pentode	1	4	0	38	6	---	7	6	2	4 - 5	
LCF802	Triode	1	4	11	16	7	---	---	1	9	4 - 5	
LCF802	Pentode	5	4	5	18	7	---	3	6	2	4 - 5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							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 the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
LCH200	Triode	5	5	8	10	6	---	---	11	8	5 - 6	
LCH200	Pentode	5	5	5	21	6	---	4	7	3	5 - 6	
LCL80	Triode	1	4	14	18	6	---	---	1	2	4 - 5	
LCL80	Pentode	1	4	14	17	6	---	8	6	9	4 - 5	
LCL84	Triode	1	4	31	10	9	---	---	2	1	4 - 5	
LCL84	Pentode	1	4	26	11	9	---	9	6	8	4 - 5	
LCL85	Triode	2	4	34	10	8	---	---	1	2	4 - 5	
LCL85	Pentode	2	4	7	10	8	---	7	6	9	4 - 5	
LF183		1	4	5	23	6	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
LF184		1	4	5	25	6	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
LFL200	Pent-1	1	5	7	11	9	---	9	11	8	5 - 6	
LFL200	Pent-2	1	5	15	16	9	---	3	4	1	5 - 6	
LL86		1	4	0	10	9	1 - 6 - 8	9	7	2	4 - 5	May show short on 1 - 2 - 6 - 7 - 8 - 9
LL505	*	1	4	8	26	12	1 - 2 - 3	7	11	8	4 - 5	* Must use magnoval adapter; Must show short on 1 - 2 - 3 - 6 - 7 - 8; Cap goes to top of tube
LL509	*	1	4	8	26	12	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
LL521	*	5	4	0	5	11	6 - 8	3	11	1	4 - 5	* Must use magnoval adapter; Must show short on 1 - 2 - 3 - 6 - 7 - 8; Cap goes to top of tube
LL802		1	4	5	15	9	6	8	7	2	4 - 5	Must show short on 3 - 6 - 8 - 9
LY81		3	4	0	16	9	2	---	9	---	4 - 5	May show short on all pins
LY88		3	4	0	15	12	#	---	9	---	4 - 5	# Levers 1 - 2 - 3 - 6 - 7 - 8 must be thrown to "W"; May show short on 1 - 2 - 3 - 6 - 8 - 9
M8096		1	4	27	10	7	8	6	1	9	4 - 5	Must show short on 8 - 9; Grid short test - Depress 8 - 9 together
N22LL	*	5	4	0	5	11	1	6	9	7	4 - 5	* Must use magnoval adapter; Must show short on 1 - 7
PABC80	Triode	4	4	10	10	9	---	---	9	8	4 - 5	
PABC80	Diode-1	3	4	0	23	9	---	---	6	---	4 - 5	
PABC80	Diode-2	3	4	0	16	9	---	---	2	---	4 - 5	
PABC80	Diode-3	3	4	0	16	9	---	---	1	---	4 - 5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							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 the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
PC86		2	4	19	10	5	1 - 2 - 6	---	9	8	4 - 5	Must show short on 1 - 2 - 3 - 6 - 7 - 8 - 9; Plate short test - Depress 1 - 9 together; Grid short test - Depress 2 - 6 - 8 together; Cathode short test - Depress 3 - 7 together
PC88		5	4	6	11	5	1 - 3 - 6	---	8	7 - 9	4 - 5	Must show short on 1 - 3 - 6 - 7 - 9
PC95		5	3	5	15	5	---	---	5	2	3 - 4	Must show short on 1 - 7
PC900		1	3	13	10	5	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test Depress 2 - 7 together
PCC84	Triode-1	5	4	10	10	8	---	---	9	6	4 - 5	Must show short on 7 - 8; Cathode short test, Section 1 - Depress 7 - 8 together
PCC84	Triode-2	5	4	10	10	8	---	---	3	3	4 - 5	
PCC85	Triode-1	1	4	25	11	9	---	---	6	7	4 - 5	Correction 6-1-70
PCC85	Triode-2	1	4	25	11	8	---	---	1	2	4 - 5	Correction 6-1-70
PCC88	Triode-1	2	4	12	10	7	---	---	6	7	4 - 5	
PCC88	Triode-2	2	4	12	10	7	---	---	1	2	4 - 5	
PCC189	Triode-1	2	4	12	10	8	---	---	6	7	4 - 5	
PCC189	Triode-2	2	4	13	10	8	---	---	1	2	4 - 5	
PCF80	Triode	5	4	12	10	8	---	---	1	9	4 - 5	
PCF80	Pent	1	4	18	19	8	---	3	6	2	4 - 5	
PCF82	Triode	1	4	28	8	9	---	---	1	9	4 - 5	
PCF82	Pent	1	4	14	29	9	---	3	6	2	4 - 5	
PCF86	Triode	1	4	5	10	8	---	---	7	6	4 - 5	May show short on 1 - 3; Cathode short test - Depress 1 - 3 together
PCF86	Pentode	1	4	7	25	8	---	9	8	2	4 - 5	
PCF200	Triode	4	5	10	14	8	---	---	9	11	5 - 6	
PCF200	Pentode	2	5	0	39	8	---	8	7	3	5 - 6	
PCF201	Triode	2	5	9	10	8	---	---	9	11	5 - 6	
PCF201	Pentode	2	5	0	20	8	---	8	7	3	5 - 6	
PCF801	Triode	5	4	7	8	8	---	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
PCF801	Pentode	1	4	0	38	8	---	7	6	2	4 - 5	
PCF802	Triode	5	4	10	15	9	---	---	1	9	4 - 5	
PCF802	Pentode	4	4	7	10	9	---	3	6	2	4 - 5	
PCF805	Triode	5	4	7	10	8	---	---	1	9	4 - 5	Must show short on 6 - 8; Cathode short test Depress 6 - 8 together
PCF805	Pentode	5	4	0	22	8	---	2	3	7	4 - 5	
PCH200	Triode	5	5	8	10	9	---	---	11	8	5 - 6	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							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 the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
PCH200	Pentode	5	5	5	21	9	---	7	6	3	5 - 6	
PCL81	Triode	1	4	30	10	10	---	---	7	1	4 - 5	Must show short on 3 - 8; Cathode short test Depress 3 - 8 together
PCL81	Pent	1	4	14	10	10	---	2	6	9	4 - 5	
PCL82	Triode	1	4	12	27	10	---	---	9	1	4 - 5	
PCL82	Pentode	1	4	10	9	10	---	7	6	3	4 - 5	
PCL84	Triode	1	4	26	10	10	---	---	2	1	4 - 5	
PCL84	Pent	1	4	15	13	10	---	9	6	8	4 - 5	
PCL85	Triode	2	4	34	10	11	---	---	1	2	4 - 5	
PCL85	Pentode	2	4	7	10	11	---	7	6	9	4 - 5	
PCL86	Triode	4	4	15	10	10	---	---	9	1	4 - 5	
PCL86	Pentode	1	4	19	10	10	---	3	6	8	4 - 5	
PD500	*	4	4	10	45	8	---	---	11	8	4 - 5	* Must use magnoval adapter; Must show short on 1 - 2 - 3 - 6 - 7 - 9; OK above 30; Cap goes to top of tube
PF86		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
PFL200	Pent-1	1	5	7	11	11	---	9	11	8	5 - 6	
PFL200	Pent-2	1	5	15	16	11	---	3	4	1	5 - 6	
PL36		2	2	0	5	12	1 - 3	4	11	5	2 - 7	Must show short on 1 - 3 - 4 - 8; Cathode short test - Depress 1 - 8 together; Screen short test - Depress 3 - 4 together
PL81		5	4	0	6	11	7	8	10	2	4 - 5	Must show short on 1 - 6 - 7 - 8 - 9
PL82		1	4	7	7	11	---	9	7	2	4 - 5	
PL83		4	4	3	10	10	---	1	7	2	4 - 5	
PL84		1	4	2	10	10	1 - 6 - 8	9	7	2	4 - 5	May show short on 1 - 2 - 6 - 7 - 8 - 9
PL500	*	3	4	2	16	12	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; Use Red grid cap
PL504	*	3	4	2	16	12	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
PL505	*	1	4	8	26	13	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

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							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 the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
PL521	*	5	4	0	5	11	6 - 8	3	11	1	4 - 5	* Must use magnoval adapter; Must show short on 1 - 2 - 3 - 6 - 7 - 8; Cap goes to top of tube
PM84	Triode	4	4	10	34	5	---	---	9	1	4 - 5	Must show short on 2 - 6 - 8
PM84	Eye	7	4	0	0	5	2 - 8	---	6 - 7	---	4 - 5	See instructions for eye test
PY80		1	4	0	4	10	---	---	9	---	4 - 5	
PY81		7	4	0	4	10	2	---	9	---	4 - 5	Must show short on 2 - 9; Plate short test - Depress 2 - 9 together
PY82		7	4	0	3	10	---	---	9	---	4 - 5	
PY83		7	4	0	3	11	---	---	9	---	4 - 5	
PY88		1	4	0	4	12	#	---	9	---	4 - 5	# "W" = 1 - 2 - 3 - 6 - 7 - 8; May show short on 1 - 2 - 3 - 6 - 7 - 8 - 9
PY500	*	3	4	0	16	13	7 - 8	---	2	---	4 - 5	* Must use Magnoval adapter; Must show short on 2 - 7 - 8; Cap goes to top of tube
UAA91	Diode-1	3	3	0	16	11	---	---	7	---	3 - 4	
UAA91	Diode-2	3	3	0	16	11	---	---	2	---	3 - 4	
UABC80	Triode	1	4	35	12	12	---	---	9	8	4 - 5	
UABC80	Diode-1	3	4	0	25	12	---	---	6	---	4 - 5	
UABC80	Diode-2	3	4	0	17	12	---	---	2	---	4 - 5	
UABC80	Diode-3	3	4	0	17	12	---	---	1	---	4 - 5	
*UBC41	Triode	4	1	15	10	10	---	---	2	3	1 - 8	
*UBC41	Diode-1	3	1	0	27	10	---	---	6	---	1 - 8	
*UBC41	Diode-2	3	1	0	27	10	---	---	5	---	1 - 8	
UBC81	Triode	1	4	34	10	10	---	---	1	2	4 - 5	
UBC81	Diode-1	3	4	0	25	10	---	---	8	---	4 - 5	
UBC81	Diode-2	3	4	0	25	10	---	---	6	---	4 - 5	
UBF15	Pent	1	2	13	18	12	---	6	1	7	2 - 3	
UBF15	Diode-1	3	2	0	19	12	---	---	5	---	2 - 3	
UBF15	Diode-2	3	2	0	19	12	---	---	4	---	2 - 3	
UBF80	Pent	4	4	12	10	11	---	1	6	2	4 - 5	
UBF80	Diode-1	3	4	0	23	11	---	---	8	---	4 - 5	
UBF80	Diode-2	3	4	0	23	11	---	---	7	---	4 - 5	
UBF89	Pent	1	4	21	17	11	---	1	6	2	4 - 5	
UBF89	Diode-1	3	4	0	20	11	---	---	7	---	4 - 5	
UBF89	Diode-2	3	4	0	20	11	---	---	8	---	4 - 5	
UC92		1	3	30	10	9	---	---	1	6	3 - 4	
UCC85	Triode-1	1	4	25	11	12	---	---	6	7	4 - 5	
UCC85	Triode-2	1	4	25	11	12	---	---	1	2	4 - 5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							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 the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
UCF12	Triode	1	2	27	10	11	---	---	5	4	2 - 3	
UCF12	Pentode	4	2	13	14	11	---	6	1	7	2 - 3	
UCH42	Triode	5	1	25	10	10	---	---	3	4	1 - 8	
UCH42	Hexode	4	1	16	10	10	---	5	2	6	1 - 8	
UCH81	Heptode	1	4	26	32	11	---	1	6	2	4 - 5	
UCH81	Triode	1	4	26	11	11	---	---	8	9	4 - 5	
UCL81	Triode	4	4	10	10	13	---	---	7	1	4 - 5	Must show short on 3 - 8; Cathode short test Depress 3 - 8 together
UCL81	Pent	1	4	15	10	13	---	2	6	9	4 - 5	
UCL82	Triode	2	4	32	10	14	---	---	9	1	4 - 5	
UCL82	Pentode	2	4	9	10	14	---	7	6	3	4 - 5	
UF11		4	2	8	10	10	---	6	5	7	2 - 3	
UF15		4	2	3	10	12	---	6	5	7	2 - 3	
UF41		1	1	20	20	10	---	5	2	6	1 - 8	
UF80		1	4	8	28	11	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
UF85		4	4	3	10	11	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
UF89		1	4	20	25	10	---	8	7	2	4 - 5	Must show short on 1 - 6
UL41		1	1	4	10	14	---	5	2	6	1 - 8	Must show short on 3 - 7; Cathode short test Depress 3 - 7 together; Fil Cont - Set Control "E" at 12
UL84		1	4	5	9	13	1 - 6 - 8	9	7	2	4 - 5	Fil Cont - Set Control "E" at 12; May show short on 1 - 2 - 6 - 8 - 9; Grid short test - Depress 1 - 2 together; Screen short test - Depress 6 - 8 - 9 together; Correction (GK)
UM11	Triode	5	2	23	10	10	---	---	5	7	2 - 3	
UM11	Eye	4	2	0	0	10	---	---	5 - 6 - 1	---	2 - 3	See instructions for eye test
UM35	Triode	4	1	4	10	10	---	---	6	5	1 - 8	
UM35	Eye	7	1	0	0	10	---	---	3 - 6 - 4	---	1 - 8	See instructions for eye test
UM80	Triode	2	4	35	10	11	---	---	7	1	4 - 5	Must show short on 3 - 6 - 9
UM80	Eye	1	4	0	0	11	---	---	7-3-6-9	---	4 - 5	See instructions for eye test
UY11		1	2	0	4	14	---	---	5	---	2 - 3	Fil Cont - Set Control "E" at 12
UY41	#	2	1	0	3	13	6	---	2	---	1 - 8	# Fil Cont - Set control "E" at 12; Fil Cont - Set Control "E" at 12
UY85		3	4	0	16	13	1 - 6	---	9	---	4 - 5	

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							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 the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
XC95		1	3	17	10	4	---	6	5	2	3 - 4	Must show short on 1 - 7; Cathode short test Depress 1 - 7 together
XC97		1	3	13	10	4	---	---	5	2	3 - 4	Must show short on 1 - 7; Cathode short test Depress 1 - 7 together
XC900		1	3	13	10	2	2	---	5	1	3 - 4	Must show short on 2 - 7; Cathode short test - Depress 2 - 7 together
XCC189	Triode-1	2	4	12	10	6	---	---	6	7	4 - 5	
XCC189	Triode-2	2	4	13	10	6	---	---	1	2	4 - 5	
XCF80	Triode	1	4	14	10	6	---	---	1	9	4 - 5	
XCF80	Pentode	1	4	23	16	6	---	3	6	2	4 - 5	
XCF801	Triode	5	4	7	8	5	---	---	8	9	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
XCF801	Pentode	1	4	0	38	5	---	7	6	2	4 - 5	
XCL82	Triode	1	4	32	10	8	---	---	9	1	4 - 5	
XCL82	Pentode	1	4	15	10	8	---	7	6	3	4 - 5	
XCL84	Triode	1	4	31	10	8	---	---	2	1	4 - 5	
XCL84	Pentode	1	4	26	11	8	---	9	6	8	4 - 5	
XCL85	Triode	2	4	34	10	8	---	---	1	2	4 - 5	
XCL85	Pentode	2	4	7	10	8	---	7	6	9	4 - 5	
XF86		4	4	7	20	4	---	1	6	9	4 - 5	May show short on 2 - 7
XF183		1	4	5	23	5	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
XF184		1	4	5	25	5	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together
XL36		2	2	1	7	10	1	4	12	5	2 - 7	Must show short on 1 - 3 - 4 - 8; Use red grid cap; Cathode short test - Depress 1 - 4 together
XL84		1	4	28	7	8	1	9	7	2	4 - 5	Must show short on 1 - 2
XL86		1	4	0	10	8	1 - 6 - 8	9	7	2	4 - 5	May show short on 1 - 2 - 6 - 7 - 8 - 9
XL500	*	3	4	2	16	10	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
XL504	*	3	4	2	16	10	2 - 7 - 8	6	12	1	4 - 5	* Must use magnoval adapter; Must show short on 1 - 2 - 3 - 6 - 7 - 8; Red grid cap goes to top of tube
XY88		1	4	0	4	11	#	---	9	---	4 - 5	# "W" = 1 - 2 - 3 - 6 - 7 - 8; May show short on 1 - 2 - 3 - 6 - 7 - 8 - 9

PRECISION 10-12, 10-15, 10-20, 10-22, 10-54 TUBE TEST DATA												
MRC (GK), (FH), 3-61, 6-1-70; 4-1-74; 2-15-75; 2-1-78							LEVER					
TUBE	SECTION	A	B	C	D	E	W	X	Y	Z	FIL. CONT.	COMMENT
This supplementary chart provides settings for tubes which fall into the following classification:												
1. Foreign Tubes												
* - Denotes tubes with special European 8-pin miniature basing. The PRECISION No. G-118 adapter, designed especially for these tubes, is required.												
YC97		1	3	13	10	5	---	---	5	2	3 - 4	Must show short on 1 - 7; Cathode short test Depress 1 - 7 together
YC98		9	6	15	21	7	1	5	7	2	4 - 5	
YF183		1	4	5	25	5X	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together; Set Switch "E" to No. 6 if there is no 5X position
YF184		1	4	5	25	5X	---	8	7	2	4 - 5	Must show short on 1 - 3; Cathode short test Depress 1 - 3 together; Set Switch "E" to No. 6 if there is no 5X position
YL1370		1	2	6	6	7	---	3	11	5	2 - 7	Must show short on 1 - 4 - 6; Cathode short test - Depress 1 - 4 - 6 together
YL1371		1	2	6	6	10	---	3	11	5	2 - 7	Must show short on 1 - 4 - 6; Cathode short test - Depress 1 - 4 - 6 together
Z900T		7	1	0	0	18	---	---	1	---	---	Must show short on 3 - 7