

SUPPLEMENT TEST DATA SHEET

1/1/65

FOR USE WITH HEATHKIT TC-1, TC-2 and TC-2P TUBE CHECKERS

Tube	Type	Fil.	Plate	Top	Bottom
00A	2	5	30	BC	D
01A	2	5	45	BC	D
0A2	4	.75	40	AE	BDG
(Good tube reads 10)					
0A3	4	.75	30	E	BCG
(Good tube reads 10)					
0A4	4	.75	40	G	BE
	4	.75	44	E	BG
0B2	4	.75	94	AE	BDG
(Good tube reads 10)					
0B3	4	.75	30	E	BCG
(Good tube reads 10)					
0C2	4	.75	40	AE	BDG
(Tube normally shows leakage)					
(Good tube reads 10)					
0C3	4	.75	30	E	BCG
(Good tube reads 10)					
0D3	4	.75	30	E	BCG
(Good tube reads 10)					
0G3	4	.75	32	ACEF	BDG
(Good tube reads 10)					
0Y4	4	.75	22	E	CGH
0Z4	4	.75	22	E	CH
	4	.75	22	C	EH
1A3	1	1.4	75	BF	CG
1A4	1	2	28	BCK	D
1A5	2	1.4	50	CDE	G
1A6	2	2	50	CD	F
	1	2	95	BEK	F
1A7	1	1.4	31	EF	G
	1	1.4	95	CDK	G
1AB4	1	1.4	23	BCF	AE
1AB5	1	1.4	25	BCF	GH
1AB6	1	1.4	25	BCDEF	G
(No open element test on B, E & F)					
1AE4	1	1.4	23	BCF	AE
1AF4	1	1.4	26	BCF	AE
1AF5	1	1.4	75	DEF	A
1AH5	1	1.4	32	DEF	CG
	1	1.4	53	C	G
1AJ4	1	1.4	24	BCF	G
(No open element test on B)					
1B4	1	2	27	BCK	D
1B4P	2	2	35	BCK	D
	1	2	31	BE	F
1B5(25S)	1	2	40	D	F
	1	2	40	C	F
1B7	1	1.4	26	EF	G
	1	1.4	95	CDK	G
	2	1.4	32	CDE	G
1B8	2	1.4	60	FK	G
	1	1.4	95	H	G
1C5	2	1.4	37	CDE	G
1C6	2	2	42	CD	F
	1	2	68	BEK	F
1C7	2	2	41	EF	G
	1	2	56	CDK	G
1C21	4	.75	45	E	BG
1D5	2	2	39	CDK	G
1D5GP	2	2	33	CDK	G
1D7	1	2	31	EF	G
	1	2	95	CDK	G
	2	1.4	48	FK	G
1D8	2	1.4	37	CDE	G
	1	1.4	95	H	G
1E3	3	1.4	30	AH	CE
1E4	2	1.4	45	CE	G
1E5	1	2	35	CDK	G
1E7	2	2	30	CDH	G
	2	2	30	EFH	G
1F4	3	2	47	BCD	E
1F5	2	2	36	CDE	G
	1	2	37	BCK	F
1F6	1	2	95	D	F
	1	2	95	E	F
	1	2	35	CFK	G
1F7(GV)	1	2	95	E	G
	1	2	95	D	G
1G4	1	1.4	30	CE	G
1G5	2	2	39	CDE	G
1G6	1	1.4	35	CD	G
	1	1.4	35	EF	G
1H4	2	2	41	CE	G
1H5	1	1.4	33	CK	G
	1	1.4	40	E	G
	1	2	30	CF	G
1H6	1	2	40	E	G
	1	2	40	D	G
1J5	2	2	38	CDE	G
1J6	2	2	39	CD	G
	2	2	39	EF	G
1L6	1	1.4	34	CD	G
	1	1.4	37	BEF	G
(Good tube reads 40 on test 2)					
1LA4	2	1.4	40	BCF	H
1LA6	1	1.4	30	CD	H
	1	1.4	95	BEF	H
(Good tube reads 40 on test 2)					
1LB4	2	1.4	40	BCF	H
1LB6	1	1.4	32	BCDEFG	H
1LC5	1	1.4	32	BCDF	EH
1LC6	1	1.4	32	CD	H
	1	1.4	80	BEF	H
1LD5	1	1.4	32	BCF	H
	1	1.4	95	D	H
(Good tube reads 20 on test 2)					

Tube	Type	Fil.	Plate	Top	Bottom	
1LE3	2	1.4	37	BF	H	
1LG5	2	1.4	35	BCF	DEH	
1LH4	{	1	1.4	26	BF	H
	{	1	1.4	44	D	H
1LN5	2	1.4	40	BCDF	EH	
1N2	4	1.4	75	K	GH	
1N5	1	1.4	27	CDK	G	
1N6	{	2	1.4	38	CDE	G
	{	1	1.4	95	F	G
(Good tube reads 20 on test 2)						
1P5	1	1.4	31	CDK	G	
1Q5	2	1.4	33	CDE	G	
1R4	1	1.4	57	D	GH	
(Good tube reads 10)						
1R5	{	1	1.4	21	D	AE
	{	1	1.4	95	BCF	AE
1S4	2	1.4	30	BCDF	AE	
1S5	{	1	1.4	25	DEF	G
	{	1	1.4	55	C	G
1SA6	2	1.4	30	CDFH	G	
1SB6	{	1	1.4	36	CDH	G
	{	1	1.4	90	E	G
1T4	2	1.4	35	BCF	G	
1T5	2	1.4	40	CDE	G	
1U6	{	1	1.4	34	CD	BEFG
	{	1	1.4	40	BEF	CDG
(Good tube reads 30 on test 2)						
1V	3	6.3	24	B	CD	
1Z2	4	1.4	85	K	BEG	
2A3	3	2.5	28	BC	D	
2A4	{	3	2.5	25	E	G
	{	3	2.5	25	C	EG
(No short test)						
2A5	3	2.5	36	BCD	EF	
2A6	{	3	2.5	26	BK	EF
	{	1	2.5	40	C	EF
	{	1	2.5	40	D	EF
2A7	{	2	2.5	32	E	FG
	{	2	2.5	64	BCDK	FG
2B3	2	2	40	K	B	
(Good tube reads 10)						
2B4	3	2.5	24	BC	DE	
2B6	{	2	2.5	95	B	FG
	{	3	2.5	50	CD	EG
	{	3	2.5	47	BCK	FG
2B7	{	1	2.5	40	E	FG
	{	1	2.5	40	D	FG
2C21	{	2	6.3	29	CK	BG
	{	2	6.3	29	DE	FG
2C22	3	6.3	22	K	GH	
(Short top caps together)						
2C26	3	6.3	35	K	GH	
2C51	{	2	6.3	23	CD	BFGHJ
	{	2	6.3	23	FG	BCDHJ
2C52	{	2	12.6	26	DE	FG
	{	2	12.6	26	AB	CG

Tube	Type	Fil.	Plate	Top	Bottom	
2D21	3	6.3	18	AEFG	BD	
2E5	{ {	2	2.5	44	BC	EF
Eye CL		4	2.5	0	BD	CEF
Eye OP		4	2.5	0	D	BCEF
2E22	3	6.3	25	BCDK	E	
2E24	3	2.5	22	CEK	BG	
(A, D & F should show short when moved to top position)						
2E25	3	6.3	28	DEHK	B	
2E26*	3	6.3	21	CEK	(ADF)B	
2E30	3	2.5	26	ABEF	CD	
2G5	{ {	2	2.5	44	BC	EF
Eye CL		4	2.5	0	BD	CEF
Eye OP		4	2.5	0	D	BCEF
2S/45(G-2)	{	1	2.5	45	C	DE
		1	2.5	45	B	DE
2T4*	2	2	22	(AG)(BF)	DE	
2Y2	4	1.4	97	K	BDFGH	
2Y3	1	2.5	96	K	G	
(Good tube reads 20)						
2W3	2	2.5	36	D	H	
2X2(879)	4	2.5	52	K	D	
2X2A	4	2.5	44	K	D	
(Good tube reads 40)						
2X3	3	2.5	43	D	H	
2Y2	1	2.5	95	K	D	
(Good tube reads 40)						
2Z2(G84)	3	2.5	56	B	D	
3A5	{	2	1.4	30	BC	D
		2	1.4	30	EF	D
		1	1.4	36	CDK	BG
3A8	{	1	1.4	36	EF	BG
		1	1.4	45	H	BG
		1	3.3	50	K	ACDEG
(Good tube reads 10)						
3B4	3	1.4	47	ACG	E	
3B5	2	1.4	35	CDE	BG	
3B7	{	1	1.4	33	BC	AH
		1	1.4	33	FG	AH
3BE6	{	2	2.5	21	A	BD
		2	2.5	21	EFG	BD
3C4	1	1.4	23	BCF	E	
3C5	2	1.4	34	CDE	BG	
3C6	{	2	1.4	40	CD	AH
		2	1.4	40	EF	AH
3CE5*	2	3.3	20	AEF	(BG)D	
(No open element test on E)						
3D6	2	1.4	30	BCF	AH	
3E5	2	1.4	31	BCF	AG	
3E6	2	1.4	30	BCDF	AH	
3LE4	2	1.4	34	BCF	AH	
3LF4	2	1.4	30	BCF	AH	
3Q4	2	1.4	33	BCDF	AG	
3Q5	3	1.4	35	CDE	BG	
3S4	2	1.4	35	BCDF	AG	
4A6	{	2	2	35	CD	H
		3	2	46	EF	H

Tube	Type	Fil.	Plate	Top	Bottom
4BA6	2	5	23	ABEF	DG
4BE6	2	5	20	A	BD
4BX8	1	5	19	AB	CE
4BZ8	1	5	19	FG	EH
4BZ8	3	5	16	FG	EH
4BZ8	3	5	16	AB	CE
4CE5*	2	5	20	AEF	(BG)D
(No open element test on E)					
5A6	3	2.5	24	ACFGH	J
5AX4	3	5	40	D	H
5AX4	3	5	40	F	H
5AZ4	3	5	43	F	H
5AZ4	3	5	43	D	H
5B58	2	5	22	AB	CD
5B58	2	5	22	FG	DH
5BZ7	2	5	20	AB	CD
5BZ7	2	5	20	FG	DH
5CM8	2	5	24	AJ	DH
5CM8	3	5	22	BFG	CD
5T4	3	5	26	F	H
5T4	3	5	26	D	H
5W4	3	5	48	F	H
5W4	3	5	48	D	H
5X3	3	5	43	B	D
5X3	3	5	43	C	D
5X4	3	5	33	E	H
5X4	3	5	33	C	H
5Y4	3	5	57	E	G
5Y4	3	5	57	C	G
5Z3	3	5	35	C	D
5Z3	3	5	35	B	D
5Z4	3	5	27	F	B
5Z4	3	5	27	D	B
6A3	3	6.3	28	BC	D
6A4/LA	3	6.3	36	BCD	E
6A5	2	2.5	28	CE	BG
6A6	3	6.3	36	BC	DG
6A6	3	6.3	36	EF	DG
6A7	2	6.3	30	DE	FG
6A7	2	6.3	38	BCK	FG
6A8	2	6.3	31	EF	GH
6A8	2	6.3	40	CDK	GH
6AB5	2	6.3	36	BC	EF
Eye CL	4	6.3	0	BD	CEF
Eye OP	4	6.3	0	D	BCEF
6AB6	3	6.3	62	DE	CGH
6AB6	3	6.3	44	CE	DGH
6AB7	3	6.3	23	DFH	CEG
6AB7	1	6.3	20	FGHJ	CE
6AB8	(No open element test on F & G)				
6AB8	1	6.3	23	AB	CE
6AC5	3	6.3	34	CE	GH
6AC6	2	6.3	26	CDE	GH

Tube	Type	Fil.	Plate	Top	Bottom
6AD6	4	6.3	95	CDE	GH
(Good tube reads 26)					
Eye CL	4	6.3	0	CDE	GH
Eye OP	4	6.3	0	E	CDGH
6AD7	3	6.3	33	CDE	GH
6AD7	2	6.3	51	AF	GH
6AE5	3	6.3	29	CE	GH
6AE6	2	6.3	33	CE	GH
6AE6	2	6.3	33	DE	GH
6AE7	2	6.3	26	CD	EG
6AE7	2	6.3	27	CF	GH
6AF5	2	6.3	24	CE	GH
6AF6	4	6.3	95	CDE	GH
(Good tube reads 26)					
Eye CL	4	6.3	0	CDE	GH
Eye OP	4	6.3	0	E	CDGH
6AH7	3	6.3	30	AC	BG
6AH7	3	6.3	30	EF	DG
6AJ4	2	6.3	19	ACDEFJ	BH
6AJ5*	2	6.3	23	AEF	(BG)C
6AL6	3	6.3	24	DEK	GH
6AL7	1	6.3	40	ACDEF	BH
Eye OP	4	6.3	0	C	BDFH
Eye CL	4	6.3	0	C	BH
6AN4*	2	6.3	20	(AG)(BF)	CE
6AN5*	3	6.3	17	AEF	(BG)D
6AN6	1	6.3	23	B	FG
6AN6	1	6.3	23	C	FG
6AN6	1	6.3	23	D	FG
6AN6	1	6.3	23	E	FG
6AN6	1	6.3	22	DE	FH
6AQ7	1	6.3	34	C	BH
6AQ7	1	6.3	34	A	BH
6AR5	3	6.3	30	AEF	BD
6AR6	3	6.3	20	CEG	AH
6AR6	3	6.3	22	BCFJ	EG
6AR8	(No open element test on B, C & J)				
6AR8	3	6.3	22	ACFH	EG
(No open element test on A, C & H)					
6AS6	2	6.3	25	AEFC	BC
6AS7	3	6.3	16	AB	CH
6AS7	3	6.3	16	DE	FH
6AU5	3	6.3	22	AELI	CG
6AX5	3	6.3	32	C	BH
6AX5	3	6.3	32	E	BH
6AX6	1	6.3	19	E	GH
6AX6	1	6.3	19	C	DG
6AX7	1	3.3	20	AB	CDE
6AX7	1	3.3	20	FG	DEH
6B4	3	6.3	28	CE	G
6B5	3	6.3	45	BD	CEF
6B5	3	6.3	63	CD	BEF
6B6	3	6.3	32	CK	GH
6B6	1	6.3	40	D	GH
6B6	1	6.3	40	E	GH
6B6	3	6.3	50	BCK	FG
6B7	1	6.3	40	D	FG
6B7	1	6.3	40	E	FG

Tube	Type	Fil.	Plate	Top	Bottom
6B8	{	3	6.3	45	CFK — GH
		1	6.3	40	D — GH
		1	6.3	40	E — GH
6BA7	{	3	6.3	18	AB — CEFGJ
		1	6.3	36	AFCJ — BCE
6BC4*		1	6.3	20	(AJ)BCGH — EF
6BC7	{	1	6.3	20	B — AD
		1	6.3	20	H — DJ
		1	6.3	21	F — DG
6BD5		3	6.3	18	AEH — CG
6BD6		2	6.3	26	ABEF — DG
6BD7	{	1	6.3	21	AB — CE
		1	6.3	46	H — CE
		1	6.3	51	F — CE
6BE7*	{	1	6.3	20	ABFGJ — (CH)E
		(No open element test on F)			
		1	6.3	30	FJ — (CH)E
6BE8	{	2	6.3	20	AB — CE
		2	6.3	20	FGJ — CEH
6BF5		3	6.3	18	ADEFG — BC
		1	6.3	19	A — EF
6BF8	{	1	6.3	19	B — EF
		1	6.3	19	C — EF
		1	6.3	19	G — EF
		1	6.3	19	H — EF
		1	6.3	19	J — EF
6BK6	{	1	6.3	24	AG — BC
		1	6.3	32	E — BC
		1	6.3	36	F — BC
6BR5	{				
Eye CL	{	4	6.3	0	ABG — D
Eye OP	{	4	6.3	0	AB — D
(No open element test on A, B & G)					
6BT6	{	1	6.3	21	AG — BC
		1	6.3	30	E — BC
		1	6.3	30	F — BC
6BX6*		2	6.3	22	BGHJ — (AC)E
6BY5	{	3	6.3	23	D — AG
		3	6.3	23	E — GH
6C5		2	6.3	30	CE — GH
6C6		1	6.3	21	BCK — DEF
6C7	{	1	6.3	21	BK — FG
		1	6.3	40	D — FG
		1	6.3	40	E — FG
6C8	{	2	6.3	27	CK — DG
		2	6.3	27	EF — GH
6CH7*	{	1	6.3	19	AB — CE
		1	6.3	19	FG — E(HJ)
6CJ6		3	6.3	16	ABFGHJK — CE
6CM8	{	2	6.3	24	AJ — DH
		2	6.3	22	BFG — CD
6CR6	{	2	6.3	23	EFG — AD
		2	6.3	36	B — AD
6D5		3	6.3	32	CE — GH
6D6		3	6.3	27	BCDK — EF
6D7		2	6.3	28	BCK — DFG
6D8	{	2	6.3	34	EF — GH
		2	6.3	42	CDK — GH

Tube	Type	Fil.	Plate	Top	Bottom
6DA5	{	1	6.3	22	AG — BE
Eye CL	{	4	6.3	0	CGHJ — ABE
Eye OP	{	4	6.3	0	CHJ — ABEG
6DB6		1	6.3	18	AEFG — BD
6DC8	{	2	6.3	22	ABFJ — CE
		1	6.3	36	G — CE
		1	6.3	36	H — CE
6DL7	{				
Eye OP	{	4	6.3	0	E — DGH
Eye CL	{	4	6.3	0	CEF — DGH
(No open element test)					
6DN6		3	6.3	17	EHK — CG
6DT8	{	3	6.3	20	AB — CE
		3	6.3	20	FG — EH
6DW5		1	6.3	22	ACFJ — EG
6DY7	{	3	6.3	22	ACD — GH
		3	6.3	22	DEF — GH
(H normally shows leakage)					
6E6	{	3	6.3	31	BC — DG
		3	6.3	31	EF — DG
6E7		2	6.3	28	BCK — DFG
6EF6		4	6.3	18	CDE — GH
6F5		1	6.3	20	DK — GH
6F6		3	6.3	32	CDE — GH
6F7	{	3	6.3	43	BCK — FG
		3	6.3	82	DE — FG
6F8	{	2	6.3	24	CK — DG
		2	6.3	24	EF — GH
6FG5*		3	6.3	20	AEF — (BG)C
(No open element test on E)					
6FG6	{	1	6.3	28	AJ — CE
		4	6.3	100	BFGH — CE
(Good tube reads 8)					
6G5	{	2	6.3	36	BC — EF
Eye CL	{	4	6.3	0	BD — CEF
Eye OP	{	4	6.3	0	D — BCEF
6G6		3	6.3	36	CDE — GH
6G6G		2	6.3	28	CDE — BH
6G7	{	3	6.3	36	BK — CEG
		1	6.3	24	D — CG
		1	6.3	24	F — CG
6GA8	{	2	6.3	22	FG — EH
		2	6.3	22	AB — CE
6GM8	{	2	6.3	22	AB — CE
		2	6.3	22	FG — EH
6H4		1	6.3	26	D — GH
6H5	{	2	6.3	36	BC — EF
Eye CL	{	4	6.3	0	BD — CEF
Eye OP	{	4	6.3	0	D — BCEF
6H7S	{	3	6.3	33	BCD — FG
		2	6.3	52	EK — FG
6J4		2	6.3	20	AEFG — BD
6J5		2	6.3	24	CE — GH
6J7		2	6.3	29	CDK — AEGH
6J8	{	2	6.3	25	CDK — GH
		2	6.3	25	EF — GH
6EJ7		2	6.3	22	BFGHT ACE

Tube	Type	Fil.	Plate	Top	Bottom
6K5	1	6.3	20	CK	GH
6K7	2	6.3	32	CDK	EGH
6K8	1	6.3	20	DE	GH
	1	6.3	20	EF	GH
	1	6.3	39	CK	GH
6L5	2	6.3	26	CE	GH
6L7	2	6.3	26	CEK	GH
	2	6.3	56	D	GH
	2	6.3	26	CDK	AG
6M8	2	6.3	26	EF	AG
	1	6.3	34	H	AG
6N4*	2	6.3	24	(AG)E	(BF)D
6N5	1	6.3	37	BC	EF
Eye OP	4	6.3	0	D	BCEF
Eye CL	4	6.3	0	BD	CEF
6N6	3	6.3	61	DE	CGH
	3	6.3	41	CE	DGH
6N7	3	6.3	29	CD	GH
	3	6.3	29	EF	GH
	1	6.3	22	ABF	CD
6N8	1	6.3	45	G	CD
	1	6.3	45	H	CD
6P5	2	6.3	30	CE	GH
6P7	2	6.3	32	DEK	BH
	3	6.3	70	FG	BH
6Q4	2	6.3	21	ABGHJ	CD
6Q5	4	6.3	20	CE	GH
6Q6	1	6.3	20	CK	GH
	1	6.3	90	E	GH
	1	6.3	21	CK	GH
6Q7	1	6.3	47	D	GH
	1	6.3	47	E	GH
6R3	2	6.3	22	BJ	DK
6R6	3	6.3	41	CEK	GH
	1	6.3	33	D	GH
6R7	1	6.3	33	E	GH
	3	6.3	37	CK	GH
	1	6.3	20	A	EG
6R8	1	6.3	20	F	EG
	2	6.3	25	B	CE
	2	6.3	30	HJ	EC
6S6	3	6.3	24	ADK	GH
6S7	2	6.3	28	CDK	EGH
6S8	1	6.3	28	FK	BG
	1	6.3	40	A	BG
	1	6.3	40	D	BG
	1	6.3	40	C	EG
6S78	2	6.3	21	AB	CG
	2	6.3	21	DE	FG
6SA7	2	6.3	24	DE	FGH
	2	6.3	28	CDH	AFG
6SB7Y	2	6.3	22	DE	AFG
	1	6.3	34	CDH	EFG
6SC7	3	6.3	33	BC	FG
	3	6.3	38	DE	FG
6SD7	3	6.3	23	DFH	CEG

Tube	Type	Fil.	Plate	Top	Bottom
6SE7	2	6.3	23	DFH	CEG
6SF5	1	6.3	20	CE	BG
6SF7	1	6.3	40	E	CG
	3	6.3	30	BDF	CG
6SG7*	3	6.3	19	DFH	(CE)G
6SH7*	2	6.3	20	DFH	(CE)G
6SK7	3	6.3	30	DFH	CEG
	2	6.3	30	BF	CG
6SR7	1	6.3	50	D	CG
	1	6.3	50	E	CG
6SS7	3	6.3	30	DFH	CEG
	2	6.3	28	BF	CG
6ST7	1	6.3	95	D	CG
	1	6.3	95	E	CG
6SU7	2	6.3	25	AB	CDEFH
	2	6.3	25	DE	ABCFH
6SV7	2	6.3	23	BDF	CH
	2	6.3	28	E	CH
	1	6.3	50	E	CH
6SZ7	1	6.3	50	D	CH
	1	6.3	21	BF	CH
6T4*	2	6.3	20	(AG)(BF)	CE
6T5	1	6.3	24	BC	EF
Eye CL	4	6.3	0	BD	CEF
Eye OP	4	6.3	0	D	BCEF
6T6M	2	6.3	22	CDK	GH
6T7	1	6.3	20	CK	GH
	1	6.3	40	D	GH
	1	6.3	40	E	GH
6U3	3	6.3	17	J	CD
6U4	3	6.3	18	E	CG
6U5	2	6.3	34	BC	EF
	4	6.3	0	BD	CEF
	4	6.3	0	D	BCEF
6U6	3	6.3	24	CDE	GH
6U7	2	6.3	30	CDK	EGH
6V4	3	6.3	26	A	CE
	3	6.3	26	G	CE
	3	6.3	46	K	GH
6V7	1	6.3	50	D	GH
	1	6.3	50	E	GH
	1	6.3	20	G	EH
6V8	1	6.3	21	AF	CE
	2	6.3	22	B	CE
	2	6.3	65	J	CE
6W5	3	6.3	25	C	GH
	3	6.3	25	E	GH
6W7	1	6.3	20	CDK	EGH
6X6	2	6.3	41	F	GH
	4	6.3	0	CD	EGH
	4	6.3	0	D	CEGH
6Y3G	4	6.3	47	K	G
6Y5	3	6.3	28	C	DF
	3	6.3	28	E	DF
6Y6	3	6.3	19	CDE	GH
6Y7	3	6.3	33	CD	GH
	3	6.3	33	EF	GH

Tube	Type	Fil.	Plate	Top	Bottom
6Z3	3	6.3	24	B	CD
6Z4	3	6.3	26	B	DE
	3	6.3	26	C	DE
6Z5(12Z5)	3	6.3	25	C	BDF
	3	6.3	25	E	BDF
6Z7	3	6.3	32	CD	GH
	3	6.3	32	EF	GH
6ZY5	3	6.3	36	C	GH
	3	6.3	36	E	GH
7A4	2	6.3	24	BF	GH
7A5	3	6.3	23	BCF	GH
7A6	1	6.3	28	C	BH
	1	6.3	28	F	GH
7A7	3	6.3	28	BCF	DGH
7A8	2	6.3	35	CD	GH
	2	6.3	44	BEF	GH
7AB7*	3	6.3	26	ACE	(DFH)G
7AD7	3	6.3	17	BCDF	EGH
7AF7	2	6.3	25	CD	BGH
	2	6.3	25	EF	BGH
7AG7	2	6.3	22	BCF	DEGH
7AH7	2	6.3	21	BCDF	GH
7AJ7	2	6.3	23	BCF	DGH
7AK7	2	6.3	22	BCDF	GH
7B4	1	6.3	22	BF	GH
7B5	3	6.3	29	BCF	GH
	2	6.3	25	BC	(DG)H
7B6*	1	6.3	58	E	(DG)H
	1	6.3	58	F	(DG)H
7B7	2	6.3	28	BCF	DGH
7B8	2	6.3	28	CD	GH
	2	6.3	34	BEF	GH
7C4	2	6.3	33	D	GH
7C5	3	6.3	29	BCF	GH
	3	6.3	33	BC	(DG)H
7C6*	1	6.3	40	E	(DG)H
	1	6.3	40	F	(DG)H
7C7	1	6.3	22	BCF	DGH
7E5*	2	6.3	34	(AE)(CG)	(DF)H
	2	6.3	27	BC	(DG)H
7E6*	1	6.3	45	E	(DG)H
	1	6.3	45	F	(DG)H
	3	6.3	36	BEF	GH
7E7	1	6.3	40	C	GH
	1	6.3	46	D	GH
7ED7	2	7.5	20	BGHJ	ACE
7F7	1	6.3	20	CD	BH
	1	6.3	20	EF	GH
7F8	2	6.3	22	AC	DG
	2	6.3	22	FH	EG
7G7	2	6.3	22	BCDF	GH
7G8	2	6.3	24	BCD	EF
	2	6.3	24	CEG	BDFH
7H7	2	6.3	24	BCF	DGH
7J7	2	6.3	30	CDE	GH
	2	6.3	30	BEF	GH

Tube	Type	Fil.	Plate	Top	Bottom
	1	6.3	20	CD	BH
7K7	1	6.3	39	E	GH
	1	6.3	39	F	GH
7L7	2	6.3	26	BCF	DGH
7N7	2	6.3	26	CD	BH
	2	6.3	26	EF	GH
7Q7	2	6.3	25	CD	GH
	2	6.3	41	BEF	GH
	2	6.3	22	BEF	GH
7R7	1	6.3	50	C	GH
	1	6.3	50	D	GH
7S7	2	6.3	33	CD	GH
	2	6.3	23	BEF	GH
7V7	3	6.3	18	BCF	DGH
7W7*	2	6.3	24	BCF	(DG)EH
7X6	3	6.3	20	C	BH
	3	6.3	20	F	GH
	1	6.3	21	BC	DGH
7X7	1	6.3	20	E	DGH
	1	6.3	21	F	DGH
7Y4	3	6.3	33	C	GH
	3	6.3	33	F	GH
7Z4	3	6.3	34	C	GH
	3	6.3	34	F	GH
	1	7.5	20	GH	DEF
8CN7	3	7.5	20	A	CDE
	3	7.5	20	B	CDE
8CY7	1	7.5	20	FG	DH
	3	7.5	20	ABC	DJ
8SN7	2	7.5	26	AB	CG
	2	7.5	26	DE	FG
9A8	3	7.5	18	AJ	EH
	2	7.5	20	BCF	EG
9AQ8	1	7.5	18	AB	CD
	1	7.5	18	FG	DH
	2	5	18	AB	CDE
9BR7	2	5	21	F	DEH
	2	5	21	G	DEH
9EF6	1	7.5	17	CDE	BH
9GB8	2	7.5	22	FGH	EJ
	2	7.5	23	AB	CE
	2	7.5	20	GHJ	AEF
9X8	(No open element test on J)				
	2	7.5	21	BC	EF
10	3	7.5	56	BC	D
10Y	3	7.5	42	BC	D
12A	2	5	26	BC	D
12A4	2	6.3	20	BGJ	ADE
12A5	3	6.3	32	BCD	EF
12A6	3	12.6	32	CDE	GH
12A7	2	12.6	29	BCK	FG
	1	12.6	20	E	DG
12A8	2	12.6	28	CDK	GH
	2	12.6	36	EF	GH
12AD7	1	6.3	22	AB	CDE
	1	6.3	22	FG	DEH

Tube	Type	Fil.	Plate	Top	Bottom
12AE6	{	1	12.6	22-AG	BC
		1	12.6	40-E	BC
		1	12.6	40-F	BC
12AH7	{	3	12.6	30-AC	BG
		3	12.6	30-EF	DG
12AJ6	{	1	12.6	20-AG	BC
		1	12.6	38-E	BC
		1	12.6	38-F	BC
12AW6		2	12.6	22-AEFG	BD
(No open element test on E)					
12AY7	{	1	6.3	22-AB	CDE
		1	6.3	22-FG	DEH
		3	12.6	31-CK	GH
12B6	{	1	12.6	58-D	GH
		1	12.6	58-E	GH
12B7		2	12.6	30-BCF	AH
12B8	{	2	12.6	26-CDK	AG
		3	12.6	26-EH	FG
12BA7	{	1	12.6	36-AFGJ	BCE
		3	12.6	18-AB	CEFGJ
12BD6		2	12.6	27-ABEF	DG
12BK6	{	1	12.6	24-AG	BC
		1	12.6	32-E	BC
		1	12.6	36-F	BC
12BN6		1	12.6	36-BEFG	AC
(Good tube reads 30)					
12BT6	{	1	12.6	22-AG	BC
		1	12.6	29-E	BC
		1	12.6	29-F	BC
12C8	{	1	12.6	38-D	GH
		1	12.6	38-E	GH
12C56	{	3	12.6	41-CFK	GH
		1	12.6	20-AF	BC
12CX6	{	1	12.6	25-EG	BC
		2	12.6	22-AE	BCG
12DK7	{	1	12.6	20-CG	BE
		1	12.6	30-F	BE
		1	12.6	40-J	BE
12DL8	{	1	12.6	20-CFG	BE
		1	12.6	40-A	EH
12DS7	{	1	12.6	40-J	EH
		1	12.6	20-CFG	EH
		1	12.6	40-A	EH
12DV7	{	1	12.6	40-J	EH
		1	6.3	22-FG	DEH
		1	6.3	67-B	ADE
12DV8	{	1	6.3	67-C	ADE
		1	12.6	20-CFG	BE
12E5	{	1	12.6	35-A	EH
		1	12.6	35-J	EH
12EC8		3	12.6	30-CE	GH
12EF6	{	1	12.6	40-B	ACE
		1	12.6	37-FG	EHJ
12EG6		4	12.6	18-CDE	GH
12EG6	{	1	12.6	20-AEG	BD
		1	12.6	21-F	BD

Tube	Type	Fil.	Plate	Top	Bottom
12EL6	{	1	12.6	20-AB	DG
		1	12.6	45-E	DG
		1	12.6	45-F	DG
12F5		1	12.6	22-DK	GH
12F8	{	1	12.6	21-BCH	DGJ
		1	12.6	37-A	DG
12FQ8	{	1	12.6	37-F	DG
		1	12.6	20-GH	ABCEFIJ
		1	12.6	20-FG	ABCEHIJ
12H6	{	1	12.6	20-AB	CEFGHIJ
		1	12.6	20-BC	AEFGHIJ
12J5		1	12.6	25-C	DG
12J7		1	12.6	25-E	GH
12J5		2	12.6	24-CE	GH
12J7		1	12.6	20-CDK	FGH
12K7		3	12.6	34-CDK	EGH
12K8	{	1	12.6	22-EF	GH
		3	12.6	52-CDK	GH
12L6		3	12.6	22-CDE	GH
12L8G	{	3	12.6	20-CDE	BG
		3	12.6	22-AEH	BG
12Q7	{	1	12.6	20-CK	GH
		1	12.6	40-D	GH
		1	12.6	40-E	GH
12S8	{	1	12.6	27-FK	BH
		1	12.6	34-D	BH
		1	12.6	37-A	BH
12SA7	{	1	12.6	39-C	EH
		2	12.6	25-DE	FG
12SC7	{	2	12.6	35-CH	FG
		1	12.6	20-BC	FG
12SF5	{	1	12.6	20-DE	FG
		1	12.6	20-CE	BG
12SF7	{	1	12.6	20-CE	BG
		3	12.6	40-E	CG
12SG7*		3	12.6	30-BDF	CG
12SH7*		3	12.6	19-DFH	(CE)G
12SJ7		3	12.6	19-DFH	(CE)G
12SK7		1	12.6	20-DFH	CEG
12SL7	{	3	12.6	28-CDFH	EG
		3	12.6	28-AB	CG
12SQ7	{	3	12.6	28-DE	FG
		1	12.6	22-BF	CG
		1	12.6	50-D	CG
12SR7	{	1	12.6	50-E	CG
		3	12.6	27-BF	CG
12SW7	{	1	12.6	36-E	CG
		1	12.6	48-D	CG
12SX7	{	2	12.6	26-BF	CG
		1	12.6	43-D	CG
12SY7	{	1	12.6	43-E	CG
		2	12.6	25-DE	FH
12Z3	{	2	12.6	25-AB	CH
		2	12.6	32-ACH	FG
12Z3		2	12.6	26-DE	FG
13FR7	{	3	12.6	25-B	CD
		3	12.6	19-ABC	EJ
		3	12.6	30-FG	EH

Tube	Type	Fil.	Plate	Top	Bottom
13GC8 {	2	12.6	21	AB	CE
	2	12.6	21	FHJ	EG
14	2	12.6	30	BCK	DE
14A4	2	12.6	26	BF	GH
14A5	3	12.6	33	BCF	GH
14A7	2	12.6	30	BCDF	GH
14AF7 {	3	12.6	25	EF	BCDGH
	3	12.6	25	CD	BEFGH
14B6* {	1	12.6	20	BC	(DGH)
	1	12.6	40	E	(DGH)
	1	12.6	40	F	(DGH)
14B8 {	2	12.6	34	CD	GH
	2	12.6	30	BEF	GH
14C5	3	12.6	25	BCF	GH
14C7	2	12.6	28	BCF	DGH
14E6* {	3	12.6	31	BC	(DGH)
	1	12.6	65	E	(DGH)
	1	12.6	65	F	(DGH)
14E7 {	2	12.6	28	BEF	GH
	1	12.6	58	C	GH
	1	12.6	58	D	GH
14F7 {	1	12.6	20	CD	BH
	1	12.6	20	EF	GH
14F8 {	3	12.6	22	AC	DG
	3	12.6	22	FH	EG
14GT8 {	1	12.6	20	B	CE
	1	12.6	20	F	AE
	1	12.6	20	HJ	EG
14H7	2	12.6	22	BCF	DGH
14J7 {	2	12.6	32	CDE	FGH
	3	12.6	33	BEF	GH
14N7 {	2	12.6	26	CD	BH
	2	12.6	26	EF	GH
14Q7 {	2	12.6	25	CD	GH
	2	12.6	30	BEF	GH
14R7 {	1	12.6	18	BEF	GH
	1	12.6	50	C	GH
	1	12.6	50	D	GH
14S7 {	2	12.6	28	CD	GH
	2	12.6	24	BEF	GH
14Y7	3	12.6	18	BCF	DGH
14W7*	2	12.6	22	BCF	(DGH)EH
14X7 {	1	12.6	20	BC	DGH
	1	12.6	20	E	DGH
	2	12.6	24	F	DGH
(Good tube reads 30)					
14Y4 {	3	12.6	28	C	GH
	3	12.6	28	F	GH
14Z3	3	12.6	25	B	CD
15	2	2	36	BCK	DE
15A6	1	12.6	20	ABFG	CE
15A8 {	2	12.6	24	DEK	BF
	2	12.6	27	CH	AB
16A5	3	12.6	18	BGJ	CD
17	3	12.6	40	BC	DE
17AY5	3	12.6	24	AEH	BC

Tube	Type	Fil.	Plate	Top	Bottom
17C5	3	12.6	24	BEFG	AC
17CA5	3	12.6	22	BEFG	AD
17L6	3	12.6	24	CDE	GH
17R5	3	12.6	24	BEFG	AC
17Z3	4	12.6	18	BJ	DK
18	3	12.6	31	BCD	EF
18J6 {	1	12.6	23	AF	BDEG
	1	12.6	23	BE	ADFG
19 {	3	2	37	BC	F
	3	2	39	DE	F
19BG6	3	25	20	EHK	CG
19C8 {	1	25	19	A	EG
	1	25	19	F	EG
	1	25	20	B	CE
	1	25	20	HJ	EG
19DE7 {	2	25	25	FG	DH
	3	25	21	ABC	DJ
19J6 {	2	12.6	24	AF	CG
	2	12.6	24	BE	CG
19T8 {	1	12.6	20	A	CEG
	1	12.6	20	B	CEG
	1	12.6	20	F	CEG
	1	12.6	21	HJ	CEG
19V8 {	1	25	22	AF	CE
	1	25	19	B	CE
	1	25	19	G	EH
	1	25	36	J	CE
19X3	3	25	18	J	CD
19X8 {	2	25	21	AGHJ	DF
	2	25	22	BC	DF
20	2	6.3	48	BC	D
20J8 {	1	25	19	CDEK	GH
	1	25	20	EF	GH
21A6	3	12.6	16	ABFGHJK	CE
(No open element test on K)					
22	1	2.5	56	BCK	D
24A	2	2.5	32	BCK	DE
25A6	3	25	27	CDE	GH
25A7 {	3	25	27	CDE	GH
	3	25	23	F	AG
25AC5	3	25	31	CE	GH
25AV5	3	25	18	AEH	BC
25B5 {	3	25	37	BD	EF
	3	25	46	CD	BEF
25B6	3	25	23	CDE	GH
25B8 {	2	25	25	CDK	AG
	2	25	25	EH	FG
25C5	2	25	20	BEFG	AD
25C6	3	25	25	CDE	GH
25CA5	3	25	17	BEFG	AD
25CU6 {	3	25	23	DEK	GH
	2	25	26	EF	AG
25D8 {	2	25	26	CDK	AG
	1	25	22	H	AG
25DQ6	3	25	24	DEK	GH
25GF6	3	25	16	DEK	GH

Tube	Type	Fil.	Plate	Top	Bottom
25L6	3	25	22	CDE	GH
25M6	2	25	30	CDE	GH
25W4	3	25	18	E	CG
25W6	3	25	17	CDE	BH
25X6	3	25	27	C	DG
	3	25	27	E	GH
25Y4	3	25	25	E	GH
25Y5	3	25	30	B	CF
	3	25	30	E	DF
25Z5	3	25	25	B	CF
	3	25	25	E	DF
25Z6	2	25	24	E	GH
	3	25	24	C	DG
26	2	1.4	38	BC	D
26A6	2	25	22	ABEF	DG
26A7	2	25	20	CDE	BG
	2	25	20	AEH	BG
	3	25	30	AG	BDEF
26C6	1	25	36	E	ABDFG
	1	25	36	F	ABDEG
26D6	2	25	22	AF	BCEG
	1	25	40	EFG	ABC
26Z5	4	25	18	F	HJ
	4	25	18	A	CJ
27	2	2.5	32	BC	DE
28D7	2	25	22	BCD	FH
	2	25	22	CEG	FH
28Z5	3	12.6	38	C	GH
	3	12.6	38	F	GH
29	2	2.5	36	BC	DEF
30	2	2	35	BC	D
30A5	3	32	16	BEFG	AC
31	2	2	40	BC	D
32	2	2	42	BCK	D
32L7	3	32	21	CDE	GH
	3	32	18	F	AG
33	3	2	39	BCD	E
34	2	2	40	BCK	D
35(51)	2	2.5	30	BCK	DE
35A5	3	32	22	BCF	GH
35B5	3	32	23	AEFG	BD
35CD6	3	32	17	EHK	BC
35Y4	3	32	23	B	GH
35Z3	3	32	22	B	GH
35Z4	3	32	20	E	GH
35Z5	3	32	21	E	GH
35Z6	3	32	20	C	DG
	3	32	20	E	GH
36	2	6.3	32	BCK	DE
37	3	6.3	37	BC	DE
38	3	6.3	36	BCK	DE
39(44)	2	6.3	30	BCK	DE
40	1	5	28	BC	D
40Z5(45Z5)	3	32	20	E	BCH
41	3	6.3	32	BCD	EF
42	3	6.3	29	BCD	EF

Tube	Type	Fil.	Plate	Top	Bottom
43	3	25	31	BCD	EF
45	3	2.5	32	BC	D
45Z3	3	50	24	BF	DG
46	3	2.5	35	BCD	E
47	3	2.5	41	BCD	E
48	3	32	25	BCD	EF
49	2	2	38	BCD	E
50	3	7.5	42	BC	D
50A5	3	50	20	BCF	GH
50B5	3	50	20	AEFG	BD
50BM8	1	50	20	AJ	EH
	1	50	20	CFG	BE
50C6	3	50	22	CDE	GH
50L6	3	50	21	CDE	GH
50X6	3	50	19	C	BH
	3	50	19	F	GH
50Y6	3	50	23	C	DG
	3	50	23	E	GH
50Y7	3	50	20	C	ED
	3	50	20	E	BH
50Z6	3	50	21	C	DG
	3	50	21	E	GH
50Z7	3	50	25	C	DFG
	3	50	25	E	FGH
52	3	6.3	30	BCD	E
53	3	2.5	32	BC	DG
	3	2.5	32	EF	DG
	2	2.5	32	BK	EF
55	1	2.5	40	C	EF
	1	2.5	40	D	EF
56	2	2.5	30	BC	DE
57	2	2.5	30	BCK	DEF
57A(AS)	3	6.3	34	BCK	DEF
58	3	2.5	35	BCK	DEF
58A5	3	6.3	35	BCK	DEF
59	3	2.5	29	BCDE	FG
64	1	6.3	22	BCK	DE
65	2	6.3	28	BCK	DE
67	3	6.3	37	BC	DE
68	3	6.3	37	BCK	DE
	3	70	23	CDE	FGH
70A7				(A shows short)	
	3	70	20		AFG
(Allow tube to heat up. Move levers F & G to up position. Good tube will kick to 70.)					
70L7	3	70	18	CDE	FG
	3	70	17	H	AG
71A	3	5	47	BC	D
72	4	2.5	35	K	D
	1	6.3	20	BK	EF
75	1	6.3	38	C	EF
	1	6.3	38	D	EF
76	2	6.3	33	BC	DE
77	3	6.3	30	BCK	DEF
78	3	6.3	31	BCK	DEF
79	3	6.3	30	BC	DF
	3	6.3	30	EK	DF

Tube	Type	Fil.	Plate	Top	Bottom
80	{	3	5	55-B	D
		3	5	55-C	D
81		3	7.5	75-B	D
82(82V)	{	3	2.5	24-B	D
		3	2.5	24-C	D
83(83V)	{	3	5	26-B	D
		3	5	26-C	D
84	{	3	6.3	26-B	DE
		3	6.3	26-C	DE
		3	6.3	45-BK	EF
85	{	1	6.3	47-C	EF
		1	6.3	47-D	EF
86M		3	6.3	37-CE	GH
87S		2	6.3	33-BCK	DEF
88	{	3	5	26-B	D
		3	5	26-C	D
88M		3	6.3	31-CDK	EGH
88S		3	6.3	32-BCK	DEF
89		3	6.3	32-BCK	EF
		3	6.3	36-BK	CEG
89RS	{	1	6.3	24-D	CG
		1	6.3	24-F	CG
95		3	2.5	36-BCD	EF
98	{	3	6.3	26-B	DE
		3	6.3	26-C	DE
99(99XX99)		2	2.5	65-BC	D
99V(V99)		2	2.5	65-AC	D
113HY(123HY)		1	1.4	45-BC	E
114HY		3	1.4	55-K	G
(Short top caps together)					
115HY(145HY)		1	1.4	45-BCD	E
117L7/M7	{	3	110	20-F	AG
		3	110	25-CDE	GH
117N7	{	3	110	20-CDE	FGH
		3	110	15	GH
(Allow tube to heat up. Move lever G to top position. Good tube will kick to 70.)					
117P7	{	3	110	22-CDE	FGH
		3	110	15	GH
(Allow tube to heat up. Move lever G to top position. Good tube will kick to 70.)					
117Z3		3	110	24-AE	DF
117Z4		3	110	19-E	GH
117Z6	{	3	110	20-C	DG
		3	110	20-E	GH
128A/2523N1		4	2.5	20-BC	DE
182-B(482-B)		3	5	37-BC	D
183(483)		3	5	40-BC	D
201B		2	5	45-BC	D
201C		2	5	45-BC	D
210T		3	7.5	56-BC	D
230S		2	2	35-BC	D
232		2	2	42-BCK	D
233S		3	2	39-BCD	E
234S		2	2	40-BCK	D
257A		2	2.5	41-BK	D

Tube	Type	Fil.	Plate	Top	Bottom
262B		3	7.5	42-BK	CD
274A	{	3	5	36-B	D
		3	5	36-C	D
300B		3	5	21-BC	D
310B		2	7.5	28-BCD	AE
313C		4	7.5	45-B	A
313CB		4	7.5	53-B	AD
313CD		4	7.5	44-B	AD
348A		1	6.3	24-CDEK	BH
376B		4	7.5	37-E	BG
393A		4	2.5	20-DK	AB
407A	{	1	25	20-CD	ABJ
		1	25	20-FG	AHJ
408A		1	25	20-AEF	(BG)D
417A		2	6.3	20-ADEGH	FJ
427		3	2.5	44-BC	DE
482A		3	5	47-BC	D
484(485)		3	2.5	32-BC	DE
486		2	2.5	48-BC	DE
502A(GL502A)		3	6.3	19-CEF	GH
567	{	3	5	24-D	H
		3	5	24-F	H
585		3	7.5	42-BC	D
586		3	7.5	42-BC	D
615HY		3	6.3	33-K	G
(Short top caps together)					
713A		2	6.3	25-DFH	CEG
717A		1	6.3	29-DFH	CEG
Z729		1	6.3	20-AFHJ	BCEG
800		3	7.5	54-K	D
(Short top caps together)					
801		3	7.5	42-BC	D
802		3	6.3	29-CDK	EFG
807		3	6.3	25-BCK	DE
809		3	6.3	27-CK	D
811A		3	6.3	34-CE	D
(Requires jumper from plate cap to pin 5 of any other tube socket)					
812		3	6.3	29-CK	D
816		4	2.5	19-K	A
837		3	12.6	25-CDK	EFG
840		2	2	33-BCK	DE
841		3	7.5	45-BC	D
842		3	7.5	54-BC	D
864		1	1.4	55-BC	DE
865		3	7.5	80-BCK	D
866(A)		3	2.5	25-K	D
GL874		4	7.5	30-C	ABD
(Good tube reads 10)					
884		4	6.3	20-CE	GH
885		4	2.5	20-BC	DE
950		3	2	46-BCD	E
951		2	2	35-BCK	D
986	{	3	5	26-B	D
		3	5	26-C	D
1003	{	4	7.5	22-E	CH
		4	7.5	32-C	EH

Tube	Type	Fil.	Plate	Top	Bottom
1005/CK1005	{	4	6.3	26	E — F
		4	6.3	26	C — F
1006/CK1006	{	4	1.4	22	C — A
		4	1.4	25	B — A
CK1007	{	4	.75	21	C — G
		4	.75	21	E — G
CK1027		4	.75	27	DK — ABFG
1203		1	6.3	33	D — GH
1204		2	6.3	26	ACE — DFGH
1221		1	6.3	22	BCK — DEF
1222		3	6.3	20	BCD — FG
1223		1	6.3	22	CDK — EGH
1229		1	2	25	BCK — D
1231		2	6.3	23	BCF — DGH
1232		2	6.3	22	BCDF — GH
1237	{	2	2.5	26	C — G
		2	2.5	26	F — G
1266		4	.75	95	E — BCG
(Good tube reads 10. No open element test on C & G. Tube normally shows short in short position.)					
1267		4	.75	31	E — BG
1273		3	6.3	26	BCF — DGH
1274	{	4	6.3	19	C — GH
		4	6.3	19	E — GH
1275	{	3	5	30	B — CD
		3	5	30	C — BD
1280		3	12.6	26	BCF — DGH
1284		3	12.6	25	BCF — DGH
1291	{	1	1.4	33	BC — AH
		1	1.4	33	FG — AH
1293		2	1.4	32	BF — H
1294		1	1.4	57	D — GH
(Good tube reads 10)					
1299		2	1.4	30	BCF — AH
1603		1	6.3	23	BCK — DEF
1608		3	2.5	24	BC — D
1609		2	1.4	32	BCD — E
1610		3	2.5	28	BCD — E
1612		3	6.3	25	DK — GH
1614		3	6.3	24	CDE — GH
1616		3	2.5	57	K — D
1619		3	2.5	29	CDE — GH
1620		1	6.3	22	CDK — GH
1621		3	6.3	40	CDE — GH
1622		3	6.3	27	CDE — GH
1624		3	2.5	26	BCK — E
1625		3	12.6	25	CDK — FG
1626		3	12.6	32	CE — GH
1629	{	2	12.6	36	CE — GH
Eye OP	{	4	12.6	0	D — CEGH
Eye CL	{	4	12.6	0	CD — EGH
1631		3	12.6	27	CDE — GH
1632		3	12.6	22	CDE — GH
1633		2	25	28	AB — CG
1634		1	12.6	20	BC — FG
1635	{	2	6.3	26	CD — EFGH
		2	6.3	26	EF — CDGH

Tube	Type	Fil.	Plate	Top	Bottom
1642	{	2	6.3	29	CK — BG
		2	6.3	29	DE — FG
1654		1	1.4	41	K — A
1680	{	1	6.3	34	AF — BDEG
		1	6.3	36	EFG — ABD
1851		3	6.3	20	CDK — EGH
1852		3	6.3	21	DFH — CEG
(No open element test on C & H)					
1853		3	6.3	23	DFH — CEG
2050/2051		3	6.3	17	CEF — GH
5516		3	2.5	25	CEK — BG
CK5608A	{	2	2.5	26	BC — DG
		2	2.5	26	EF — DG
GL5610		2	6.3	22	AEF — BD
5618		3	2.5	21	BCDF — AG
5651		4	.75	95	AE — BDG
(Good tube reads 30)					
5654*		2	6.3	22	AEF — (BG)C
5659		3	12.6	32	CDE — GH
	{	3	12.6	41	CFK — GH
5660	{	1	12.6	38	D — GH
		1	12.6	38	E — GH
5662		3	6.3	23	AG — BDE
(Filament switch must be in .75 position for short check)					
GL5663		2	6.3	32	AEG — BC
GL5670	{	2	6.3	23	CD — BFGHJ
		2	6.3	23	FG — BCDHJ
5679	{	3	6.3	31	C — ABH
		3	6.3	31	F — AGH
5686*		3	6.3	30	B(F)JG — (ACH)D
5687	{	2	6.3	24	AB — CDEF
		2	6.3	24	GJ — BDEF
5690	{	3	6.3	17	C — BD
		3	6.3	17	E — GH
5691	{	3	6.3	28	AB — CG
		3	6.3	28	DE — FG
5692	{	2	6.3	26	AB — CG
		2	6.3	26	DE — FG
5693		2	6.3	27	CDFH — EG
CK5694	{	1	6.3	20	CD — AG
		1	6.3	20	EF — GH
5696		2	6.3	31	AF — BDEG
5722		2	5	47	AF — CD
5725		3	6.3	20	AEFG — BD
5726	{	1	6.3	23	G — AD
		1	6.3	23	B — DE
GL5727		3	6.3	18	AEFG — BD
5731		2	6.3	27	D — GH
5749		2	6.3	23	ABEF — DG
GL5750	{	2	6.3	22	A — BD
		2	6.3	22	EFG — BD
5751	{	1	6.3	22	AB — CDE
		1	6.3	28	FG — DEH
CK5755	{	1	6.3	65	AC — BDE
		1	6.3	65	FH — DEG

Tube	Type	Fil.	Plate	Top	Bottom
5763	3	6.3	19	ACFHJ	EG
5814	{	2	6.3	24	AB CDE
		2	6.3	24	FG DEH
GL5814	{	2	6.3	25	AB CDE
		2	6.3	25	FG DEH
5823	4	.75	30	A	CG
5824	3	25	18	CDE	AGH
5842	2	6.3	20	ADEGH	FJ
GL5844	{	1	6.3	18	AF DG
		1	6.3	18	BE DG
5845	{	1	2.5	85	E ACD
		1	2.5	85	A CDE
5847	1	6.3	21	AFH	DJ
5852	{	4	6.3	19	C GH
		4	6.3	19	E GH
5879	1	6.3	26	AGHJ	CD
5881	3	6.3	20	CDE	BH
5910	1	1.4	26	BCF	AE
5915	{	1	6.3	24	AF BDEG
		1	6.3	56	EFG ABD
5920	{	2	6.3	21	BE DG
		2	6.3	21	AF DG
5930	3	2.5	24	BC	A
5963	{	2	6.3	25	AB CDE
		2	6.3	25	FG DEH
5964	{	3	6.3	18	AF CG
		3	6.3	18	BE CG
5965	{	1	6.3	18	FG HJ
		1	6.3	18	AB CJ
GL6005	3	6.3	24	AEFG	BD
6012	4	6.3	18	CEH	AG
(No open element test on C & E)					
6028*	2	25	22	AEF	(BG)D
6072	{	1	6.3	22	FG CDEH
		1	6.3	22	AB CDEH
6073	4	.75	40	AE	BDG
(Good tube reads 10)					
6074	4	.75	95	AE	BDG
(Good tube reads 10)					
6080	{	3	6.3	20	AB CH
		3	6.3	20	DE FH
6082	{	3	25	15	DE ABCFH
		3	25	15	AB CDEFH
6084	1	6.3	21	AFHJ	CE
6085	{	1	6.3	20	FG DEH
		1	6.3	20	AB CDE
6086(18042)	1	12.6	18	ABFJ	CE
(No open element test on J)					
GL6087	{	3	5	39	F H
		3	5	39	D H
6095	3	6.3	22	AEFG	BD
6096	2	6.3	22	AEF	BCG
6097	{	1	6.3	23	G AD
		1	6.3	23	B DE
6098	3	6.3	20	CEG	AH
6099/CT	{	1	6.3	23	BE DG
		1	6.3	23	AF DG

Tube	Type	Fil.	Plate	Top	Bottom
6100	2	6.3	25	AEF	DG
6101	{	1	6.3	18	BE DG
		1	6.3	18	AF DG
GL6134	3	6.3	21	DFH	CEG
6135	2	6.3	25	AEF	DG
6136	2	6.3	22	ABEF	DG
GL6137	3	6.3	24	DFH	CEG
6145	3	6.3	16	BCDF	GH
6146*	3	6.3	23	CEK	(ADF)G
R6158A	1	1.4	98	K	ACDEFGH
(Good = 26. For element test use levers G & K only)					
6159*	3	6.3	23	CEK	(ADF)G
6197*	2	6.3	20	(BJ)(CH)FG	AE
6201	{	2	6.3	24	FG HJ
		2	6.3	24	AB CJ
6202	{	3	6.3	25	F DG
		3	6.3	25	A DG
6203	{	1	6.3	21	A EGJ
		1	6.3	21	J AEG
6211	{	1	6.3	18	AB CDE
		1	6.3	18	FG DEH
6216*	3	6.3	19	(AF)BG	(CH)E
6227	3	6.3	18	BGHJ	CD
6265	2	6.3	22	AEFG	BC
(No open element test on E & G)					
6267	1	6.3	20	AFHJ	CE
(No open element test on F)					
6293*	3	6.3	18	CEK	(ADF)G
6350	{	1	6.3	22	FH DEG
		1	6.3	22	AC BDE
6360	{	3	6.3	22	AFG BCDEH
		3	6.3	22	CGH ABDEF
6386	{	2	6.3	26	CD BJ
		2	6.3	26	FG HJ
6417	3	12.6	22	ACFHJ	EG
6463	{	2	6.3	21	FH DEG
		2	6.3	21	AC BDE
6485	2	6.3	22	ABEF	DG
6516	1	6.3	19	AEG	BC
6520	{	3	6.3	16	AB CH
		3	6.3	16	DE FH
6525	3	6.3	19	AEFG	BC
6550	3	6.3	21	CDE	GH
6659	4	.75	38	A	E
6660	2	6.3	23	ABEF	DG
6661	2	6.3	22	AEFG	BC
6662	2	6.3	22	AEFG	BD
6663	{	1	6.3	23	G AD
		1	6.3	23	B DE
6669	3	6.3	32	AEFG	BD
6677*	3	6.3	22	(BJ)(CH)FG	AD
6678	{	2	6.3	22	BCF EG
		2	6.3	22	AJ EH
(No open element test on F)					
6679	{	2	6.3	24	AB CJ
		2	6.3	24	FG HJ

Tube	Type	Fil.	Plate	Top	Bottom
6680 {	2	6.3	25	AB	CDE
	2	6.3	25	FG	DEH
6681 {	1	6.3	20	AB	CDE
	1	6.3	20	FG	DEH
6688*	2	6.3	21	BCHJ	(AC)E
6689	2	6.3	20	ABFJ	CE
6829 {	3	6.3	20	AB	CDE
	3	6.3	20	FG	DEH
6883*	3	12.6	19	CEK	(ADF)G
6887 {	1	6.3	20	B	DE
	1	6.3	21	G	AD
6888	1	6.3	20	CDFH	EG
6893*	3	12.6	21	CEK	(ADF)B
6919 {	1	6.3	23	B	DE
	1	6.3	23	G	AD
6922 {	3	6.3	17	AB	CEJ
	3	6.3	17	FG	EHJ
6954	1	6.3	20	AEFG	BD
6973*	4	6.3	19	(AH)(CF)J	EG
7000	2	6.3	29	CDK	AEGH
7025 {	1	6.3	20	AB	CDE
	1	6.3	20	FG	DEH
7027*	4	6.3	18	(AD)C(EF)	GH
7036 {	1	6.3	20	AF	BC
	1	6.3	28	EG	BD
7044 {	2	6.3	19	AB	CDE
	2	6.3	19	GJ	FDE
7054	2	12.6	21	BCGHJ	AE
7055 {	2	12.6	23	G	AD
	2	12.6	23	B	DE
7056	2	12.6	21	AEFG	BD
7057 {	2	12.6	22	FG	EH
	2	12.6	22	AB	CE
7059 {	2	12.6	23	BCF	EG
	2	12.6	21	AJ	EH
7060 {	2	12.6	28	FGH	EJ
	2	12.6	23	AB	CE
7061*	3	12.6	22	(AH)(CF)J	EG
7062 {	2	6.3	21	AB	CJ
	2	6.3	21	FG	HJ
7105 {	3	12.6	15	AB	CH
	3	12.6	15	DE	FH
7119 {	4	6.3	19	GJ	DEF
	4	6.3	19	AB	CDE
7137	2	6.3	22	AEFG	BD
7189*	4	6.3	17	(AB)(FJ)G	CE
7193	2	6.3	24	K	GH
(Short top caps together)					
7199 {	1	6.3	19	BCG	EF
	2	6.3	21	AJ	EH
7247 {	1	6.3	22	FG	DEH
	2	6.3	24	AB	CDE
7258 {	2	12.6	22	AB	CE
	2	12.6	21	FGH	EJ
(No open element test on F)					
7308 {	1	6.3	20	AB	CE
	1	6.3	20	FG	EH

Tube	Type	Fil.	Plate	Top	Bottom
7316 {	2	6.3	24	AB	CJ
	2	6.3	24	FG	HJ
7355	3	6.3	19	CFH	EG
7408	3	6.3	24	CDE	AGH
7543	1	6.3	20	ABEF	CG
7551*	3	12.6	19	B(CH)FG	(AJ)E
7558*	3	6.3	19	B(CH)FG	(AJ)E
7581	3	6.3	20	CDE	BH
7591	3	6.3	20	CDFH	EG
	1	6.3	19	BCF	EG
7687 {	(No open element test on F)				
	2	6.3	23	AJ	EH
7695	3	50	21	AFJ	EG
7700	1	6.3	20	BCK	DEF
7701*	3	12.6	30	BF(GJ)	(ACH)E
7716 {	1	12.6	19	BC	AE
	3	12.6	19	GHJ	EF
7719*	1	6.3	21	(AF)(BG)	(CH)DE
7754	3	6.3	20	AFJ	EG
7868*	3	6.3	20	(AG)(BF)J	CE
8016	1	1.4	98	K	ACDEFGH
(Use G & K only for element test)					
(Good tube reads 26)					
8106*	3	12.6	19	A(CH)G	(BFJ)E
9001*	1	6.3	20	AEF	(BG)D
9002*	2	6.3	27	(AE)F	(BG)D
9003*	2	6.3	27	AEF	(BG)D
9004	1	6.3	20	D	EG
9005	1	2.5	34	E	DGH
9006*	1	6.3	25	AE	(BG)D
AF {	3	2.5	24	B	D
	3	2.5	24	C	D
AG {	3	5	26	B	D
	3	5	26	C	D
E92CC {	1	6.3	20	BE	ADFG
	1	6.3	20	AF	BDEG
FM1000 {	1	6.3	20	BE	ACG
	1	6.3	35	DF	ACG
G4 {	1	2.5	45	B	DE
	1	2.5	45	C	DE
GA	3	5	32	BCD	E
HY69	4	6.3	20	BCD	E
HY1269	4	6.3	19	BCK	AE
KR-1	3	6.3	24	B	CD
KR5	3	6.3	36	BCD	E
KR-25	3	2.5	36	BCD	EF
KR98 {	3	6.3	26	B	DE
	3	6.3	26	C	DE
PZ	3	2.5	41	BCD	E
PZH	3	2.5	36	BCD	EF
R30	2	2	35	BC	D
R100	3	7.5	43	K	D
(Short top caps together)					
RK33 {	3	6.3	27	DE	FG
	3	6.3	27	CK	BG

Tube	Type	Fil.	Plate	Top	Bottom
RK34 {	3	6.3	27	Ek	DG
	(Top cup lead on left top cap)				
{	3	6.3	27	GK	DG
	(Top cup lead on right top cap)				
UF89	2	12.6	33	HCH	CEJ
VR75	4	.75	30	F	BCG
	(Good tube reads 10)				
VR90	4	.75	30	F	BCG
	(Good tube reads 10)				
VR105	4	.75	30	F	BCG
	(Good tube reads 10)				
VR150	4	.75	30	F	BCG
	(Good tube reads 10)				
WL481	4	.75	39	K	D

Tube	Type	Fil.	Plate	Top	Bottom
WX-12	1	1.4	55	BC	D
WND-A	3	6.3	35	BC	DEF
WND-C	3	2.5	35	BC	DEF
XXB	2	1.4	40	CD	AH
	2	1.4	40	EF	AH
XXD	3	12.6	25	EF	BCDGH
	3	12.6	25	CD	BEFGH
XXFM	1	6.3	20	BC	DGH
	1	6.3	27	F	DM
XXL	2	6.3	24	BF	GH
Z2000	1	6.3	22	BE	CG
	1	6.3	22	AF	CG

* Special short test for tubes with internal connections. A good tube will not show short when the levers shown in parenthesis are moved simultaneously.

Each roll chart, supplied as a part of the TC-1, TC-2 and TC-2P Tube Checker Kits, contains data for checking tubes generally encountered in normal service work. The supplementary list was compiled for the purpose of keeping the physical length of the regular chart at a minimum.

AMERICAN EQUIVALENTS TO EUROPEAN TUBE TYPES

The following European tube types may be checked on the Heathkit tube testers, using the information listed on the chart or supplement for the American Equivalent.

European No.	American No.	European No.	American No.	European No.	American No.
DA90	1A3	EC80	6Q4	EQ80	6BE7
DAC32	1H5	EC81	6R4	EY80	6U3
DAF91	1S5	EC84	6AJ4	EY81	6R3
DAF92	1U5	EC90	6C4	EY89	6AL3
DAF96	1AH5	EC92	6AB4	EZ35	6X5
DC80	1E3	EC94	6AF4	EZ80	6V4
DC90	3A5	EC95	6ER5	EZ81	6CA4
DF33	1N5	EC97	6FY5	EZ90	6X4
DF91	1T4	EC900	6HA5	GZ30	5Z4
DF92	1L4	ECC81	12AT7	GZ32	5V4
DF96	1AJ4	ECC82	12AU7	GZ34	5AR4
DF904	1U4	ECC83	12AX7	HAA91	12AL5
DH63	6Q7	ECC85	6AQ8	HABC80	19T8
DH74	12Q7	ECC86	6GM8	HBC90	12AT6
DH76	12Q7	ECC88	6DJ8	HBC91	12AV6
DH77	6AT6	ECC91	6J6	HF93	12BA6
DH81	7B6	ECC180	6BQ7	HF94	12AL6
DH149	7C6	ECC189	6ES8	HK90	12BE6
DH719	6AK8	ECC230	6080	HL92	50C3
DK32	1A7	ECF80	6BL8	HL94	30A5
DK91	1R5	ECF82	6U8	HY90	25W4
DK96	1AB6	ECF86	6HG8	KT32	25W6
DL29	3D6	ECF801	6GJ7	KT63	6F6
DL33	3Q5	ECH81	6AJR	KT66	7581
DL35	1C5	ECL80	6AB8	KT71	50L6
DL36	1Q5	ECL82	6BM8	KT77	6CA7
DL92	3S4	ECL84	6DX8	KT86	6550
DL93	3A4	ECL85	6GV8	KTW61	6S7
DL94	3V4	ECL86	6GW8	PC95	4GK3
DL95	3Q4	EF80	6BA6	PCC85	9AQ8
DL96	3C4	EF82	6CH6	PCF80	9A8
DL98	3L4	EF85	6PY7	PCF82	9U8
DP61	6AK5	EF86	6CF8 6267	PL81	21A6
DY30	1B3	EF89	6DA6	PL82	16A3
DY80	1X2	EF93	6BA6	PL83	15A6
DY86	1S2	EF94	6AU6	PY80	19X3
DY87	1S2	EF95	6AK5	PY81	17Z3
E80CC	6085	EF96	6AG5	PY83	17Z3
E80F	6084	EF183	6EH7	UAA91	12AL5
E80L	6227	EF184	6EJ7	UCL82	50BM6
E88CC	6022	EF190	6CB6	XC95	2ER5
F90CC	5920	EH90	6CS6	XCC82	7AU7
E90F	6BH6	EK90	6BE6	XCF80	4BL8
E99F	6B16	EL34	6CA7	XL84	8BQ5
E189F	6688	EL37	6L6	XF183	3EH7
E182CC	7119	EL81	6CJ6	XF184	3EJ7
EAA91	6AL5	EL84	6BQ5	XXC189	4F58
EABC80	6AK8	EL86	6CW5	YC95	3ER5
EP91	6AL5	EL90	6AQ5	YF183	4EH7
EHC81	6BD7	EL91	6AM5	YF184	4EJ7
EUC90	6AT6	EL95	6DL5	Z729	6CF8, 6267
EBC91	6AV6	EL180	12BY7	85A2	6G3
EDF80	6N8	EM80	6BR5	108C1	0B2
EDF89	6DC8	EN81	6DA5	150C2	0A2
		FM84	6FG6	150C3	0D3