STOP STOP

TUBES FOLLOWED BY SUFFIXES SUCH AS G, GT, Y, W, A, B, ETC., IN GENERAL CAN BE TESTED BY THE SAME SET-UP LISTED FOR THE TUBES WITHOUT SUFFIX. FOR UNLISTED TUBES REFER TO SUPPLEMENT.

LEFT COLUMN READS TOP TO BOTTOM

RIGHT COLUMN READS BOTTOM TO TOP

Tube	Type	Fil.	Plate	Top	Bottom
0A2	4	Off	40	**AE**	**BDG**
				(Good tube reads 10)	
0A3	4	Off	30	E	B**CG**
				(Good tube reads 10)	
0A4	4	Off	40	G	BE
	4	Off	44	E	BG
0B2	4	Off	95	**AE**	**BDG**
				(Good tube reads 10)	
0B3	4	Off	30	E	B**CG**
				(Good tube reads 10)	
0C2	4	Off	40	**AE**	**BDG**
				(Tube normally shows leakage)	
				(Good tube reads 10)	
0C3	4	Off	30	E	B**CG**
				(Good tube reads 10)	
0D3	4	Off	30	E	B**CG**
				(Good tube reads 10)	
0G3	4	Off	32	**ACE**F	**BDG**
				(Good tube reads 10)	
0Z4	4	Off	22	E	CH
	4	Off	22	C	EH
1A3	1	1.4	75	**BF**	C**G**
1A5	2	1.4	50	CDE	**G**
1AD2	4	1.4	80	N	**CJM**
				(Good tube reads 25)	
1AX2	4	1.4	95	N	**BEH**
				(Good tube reads 25)	
1B3	1	1.4	98	N	**AC**DEF**GH**
				(Use G & N only for element test)	
				(Good tube reads 26)	
1C5	2	1.4	37	CDE	**G**
1DN5	1	1.4	52	D	**G**
	1	1.4	27	BCF	**G**
1G3	1	1.4	100	N	**AC**DEF**GH**
				(Use G & N only for element test)	
				(Good tube reads 10)	
1H2	4	1.4	84	N	**ADFJ**
1H5	1	1.4	33	CN	**G**
	1	1.4	40	E	**G**
1J3/1K3	1	1.4	100	N	A**B**CEH
				(Good tube reads 10)	
1L4	2	1.4	37	BCF	**AE**

Tube	Type	Fil.	Plate	Top	Bottom
9003*	2	6.3	27	AEF	(**BG**)**D**
9002*	2	6.3	27	(**AE**)F	(**BG**)**D**
9001*	1	6.3	20	AEF	(**BG**)**D**
7868*	3	6.3	20	(**AG**)(**BF**)J	C**E**
7695	3	50	21	AFJ	**E**G
7687	1	6.3	19	BCF	**E**G
				(No open element test on F)	
	2	6.3	23	AJ	**E**H
7591	3	6.3	20	C**D**F**H**	E**G**
7581	3	6.3	20	CDE	**B**H
7558*	3	6.3	19	B(**CH**)FG	(**AJ**)**E**
7551*	3	12.6	19	B(**CH**)FG	(**AJ**)**E**
7543	1	6.3	20	ABEF	**C**G
7408	3	6.3	24	CDE	A**G**H
7355	3	6.3	19	CFH	E**G**
7308	1	6.3	20	AB	C**E**
	1	6.3	20	FG	**E**H
7247	1	6.3	22	FG	**DE**H
	2	6.3	24	AB	C**DE**
7199	1	6.3	19	BCG	**E**F
	2	6.3	21	AJ	**E**H
7189*	4	6.3	17	(**AB**)(**FJ**)G	C**E**
7167*	3	12.6	22	AEF	(**BG**)**C**
7061*	3	12.6	22	(**AH**)(**CF**)J	**E**G
7060	2	12.6	28	FGH	**E**J
	2	12.6	23	AB	C**E**
7059	2	12.6	23	BCF	**E**G
	2	12.6	21	AJ	**E**H
7057	2	12.6	22	FG	**E**H
	2	12.6	22	AB	C**E**
7056	2	12.6	21	AEFG	B**D**
7054	2	12.6	21	B**C**GH**J**	A**E**
7027*	4	6.3	18	(**AD**)C(**EF**)	**G**H
7025	1	6.3	20	AB	C**DE**
	1	6.3	20	FG	**DE**H
6973*	4	6.3	19	(**AH**)(**CF**)J	**E**G
6922	3	6.3	17	AB	C**E**J
	3	6.3	17	FG	**E**HJ
6893*	3	12.6	21	CEN	(**ADF**)**B**
6883*	3	12.6	19	CEN	(**ADF**)**G**
6677*	3	6.3	22	(**BJ**)(**CH**)FG	A**D**
6669	3	6.3	32	**A**EF**G**	B**D**

1LA4	2	1.4	40	BCF	**H**
1LB4	2	1.4	40	BCF	**H**
1LN5	2	1.4	40	BCDF	**EH**
1N2	4	1.4	75	N	**GH**
1N5	1	1.4	27	CDN	**G**
1R5	1	1.4	21	D	**AE**
	1	1.4	95	BCF	**AE**
1S2A	1	1.4	90	N	**ADFJ**

(Good tube reads 35)

1S4	2	1.4	30	**B**CD**F**	**AE**
1S5	1	1.4	25	DEF	**G**
	1	1.4	55	C	**G**
1T4	2	1.4	35	BCF	**G**
1U4	2	1.4	30	BCF	**AE**
1U5	2	1.4	40	BCF	**A**
	1	1.4	66	D	**A**
1V	3	6.3	24	B	C**D**
1V2	1	.63	76	**AJ**	**E**

(Good tube reads 20)

1X2	4	1.4	67	N	**ADFJ**
	4	1.4	67	N	**BEH**
2A3	3	2.5	28	BC	**D**
2AF4*	2	2.35	21	(**AG**)(**BF**)	**D**E
2AH2	4	2.5	76	N	**ABEFGHL**
2AS2	4	2.5	86	N	**ABEFJ**
2AZ2	4	2	63	N	**ADFJ**
2BA2	4	2	53	**AJ**	**E**
2BN4*	1	2	19	(**BG**)E	(**AF**)**D**
2CW4	1	2	18	BD	H**M**
2CY5*	2	2	22	AEF	(**BG**)**C**
2D21	3	6.3	18	A**E**F**G**	B**D**
2DS4	1	2	18	BD	H**M**
2DZ4*	3	2.35	21	(**AG**)(**BF**)	**D**E
2E24	3	2.5	22	CEN	**BG**

(A, D & F should show short
when moved to top position)

2E26*	3	6.3	21	CEN	(**ADF**)**B**
2EA5*	2	2.35	22	AEF	(**BG**)**C**
2ER5*	2	2	20	BEF	(**AG**)**D**
2EV5*	2	2.5	22	AEF	(**BG**)**D**
2FH5*	2	2.35	21	BE	(**AG**)**D**
2FS5*	3	2.5	20	AF	(**BG**)**D**E
2FV6	2	2.5	20	AEF	**D**G

(No open element test on E)

2GK5	3	2.35	20	BE	**ADG**

(Tube damaged if A or G is moved)

2GU5*	1	2.5	19	A	(**BG**)**D**
	1	2.5	29	EF	(**BG**)**D**
2GW5*	2	2.5	20	A(**BF**)	**D**E
2T4*	2	2.35	22	(**AG**)(**BF**)	**D**E
2V2	4	1.4	97	N	**BDFGH**

6662	2	6.3	22	AEFG	B**D**
6661	2	6.3	22	AEFG	B**C**
6660	2	6.3	23	ABEF	**D**G
6550	3	6.3	21	CDE	**G**H
6417	3	12.6	22	ACF**HJ**	**E**G
6360	3	6.3	22	AFG	BC**DE**H
	3	6.3	22	CGH	AB**DE**F
6267	1	6.3	20	AFHJ	C**E**

(No open element test on F)

6197*	2	6.3	20	(**BJ**)(**CH**)FG	A**E**
6159*	3	6.3	23	CEN	(**ADF**)**G**
6146*	3	6.3	23	CEN	(**ADF**)**G**
6080	3	6.3	20	AB	C**H**
	3	6.3	20	DE	F**H**
GL6005	3	6.3	24	**A**EF**G**	B**D**
5881	3	6.3	20	CDE	**B**H
5879	1	6.3	26	AGHJ	C**D**
5823	4	Off	30	A	**CG**
5814	2	6.3	24	AB	C**DE**
	2	6.3	24	FG	**DE**H
5763	3	6.3	19	ACF**HJ**	**E**G
5686*	3	6.3	30	B(**FJ**)G	(**ACH**)**D**
5670	2	6.3	23	CD	BFG**HJ**
	2	6.3	23	FG	**B**CDH**J**
5654*	2	6.3	22	AEF	(**BG**)**C**
5651	4	Off	95	**AE**	**BDG**

(Good tube reads 30)

2050/2051	3	6.3	17	CEF	**G**H
1635	2	6.3	26	CD	EF**G**H
	2	6.3	26	EF	CD**G**H
1629	2	12.6	36	CE	**G**H
Eye OP	4	12.6	0	D	CE**G**H
Eye CL	4	12.6	0	CD	E**G**H
1626	3	12.6	32	CE	**G**H
1625	3	12.6	25	CDN	F**G**
1620	1	6.3	22	CDN	**G**H
1619	3	2.5	29	CDE	**G**H
1614	3	6.3	24	CDE	**G**H
1612	3	6.3	25	DN	**G**H
885	4	2.5	20	BC	D**E**
884	4	6.3	20	CE	**G**H
866(A)	3	2.5	25	N	**D**
816	4	2.5	19	N	**A**
812	3	6.3	29	CN	**D**
811A	3	6.3	34	CE	**D**

(Requires jumper from plate cap to
pin 5 of any other tube socket)

807	3	6.3	25	BCN	D**E**
502A	3	6.3	19	CEF	G**H**
117Z3	3	110	24	**AE**	**D**F

2X2A	4	2.5	44	N	**D**
	(Good tube reads 40)				
3A2	4	3.15	54	N	**ADFJ**
3A3	4	3.15	56	N	**B**
3A4	2	1.4	26	**B**CD**F**	**AG**
3A5	2	1.4	30	BC	**D**
	2	1.4	30	EF	**D**
3AF4*	2	3.15	21	(**AG**)(**BF**)	**D**E
3AL5	1	3.15	20	B	**D**E
	1	3.15	20	G	A**D**
3AT2	4	3.15	61	N	**ABEFJ**
3AU6	2	3.15	22	ABEF	**D**G
3AV6	1	3.15	21	AG	B**D**
	1	3.15	43	E	B**D**
	1	3.15	43	F	B**D**
3AW3	2	3.15	68	N	**CGH**
	(Good tube reads 10)				
3B2	1	3.15	50	N	**AC**D**EG**
	(Good tube reads 10)				
3B4	3	1.4	47	ACG	**E**
3BA6	2	3.15	23	ABEF	**D**G
3BC5*	2	3.15	20	AEF	(**BG**)**C**
	(No open element test on E)				
3BE6	2	3.15	21	A	B**D**
	2	3.15	33	EFG	B**D**
3BN4*	1	3.15	19	(**BG**)E	(**AF**)**D**
3BN6	1	3.15	35	BEFG	A**C**
	(Good tube reads 20)				
3BU8	1	3.15	22	BCFG	A**E**
	1	3.15	22	BGHJ	A**E**
3BY6	2	3.15	25	AF	B**D**
	1	3.15	30	EG	B**D**
3BZ6	2	3.15	20	AEFG	B**C**
	(No open element test on F & G)				
3C2	1	1.4	60	N	**DEFGH**
3CB6	2	3.15	21	AEFG	B**C**
3CE5*	2	3.15	21	AEF	(**BG**)**D**
	(No open element test on E)				
3CF6	1	3.15	19	AEFG	B**D**
	(No open element test on E & G)				
3CS6	1	3.15	21	AF	B**C**
	1	3.15	40	EG	B**C**
3CY5*	3	3.15	22	AEF	(**BG**)**C**
3DG4	4	3.15	18	E	**C**
	4	3.15	18	G	**C**
3DK6	3	3.15	22	AEF	B**C**G
3DT6	1	3.15	20	AEFG	B**D**
3DZ4*	3	3.15	21	(**AG**)(**BF**)	**D**E
3EA5*	2	3.15	22	AEF	(**BG**)**C**
3EH7*	2	3.15	21	BGHJ	(**AC**)**E**
3EJ7*	2	3.15	21	BGHJ	(**AC**)**E**
3ER5*	2	2.5	20	BEF	(**AG**)**D**

117L7 /M7	3	110	20	F	A**G**
	3	110	25	CDE	**G**H
84	3	6.3	26	B	D**E**
	3	6.3	26	C	D**E**
80	3	5	55	B	**D**
	3	5	55	C	**D**
70L7	3	70	18	CDE	F**G**
	3	70	17	H	A**G**
60FX5	2	50	22	**BE**FG	A**D**
50Y7	3	50	20	C	**B**D
	3	50	20	E	**B**H
50Y6	3	50	23	C	D**G**
	3	50	23	E	**G**H
50X6	3	50	19	C	B**H**
	3	50	19	F	G**H**
50L6	3	50	21	CDE	**G**H
50HK6	3	50	20	BEG	A**C**
50HC6	3	50	19	BEG	A**C**
50FA5	3	50	22	**BE**FG	A**D**
	(A normally shows leakage)				
50EH5	3	50	20	**BE**FG	A**D**
50DC4	3	50	23	E	**C**G
50CA5	3	50	22	**BE**FG	A**C**
50C6	3	50	22	CDE	**G**H
50C5	3	50	22	**BE**FG	A**C**
50BM8	1	50	20	AJ	**E**H
	1	50	20	CFG	B**E**
50BK5	2	50	21	A**CG**H	**D**F
50B5	3	50	20	**A**EF**G**	B**D**
50A5	3	50	20	BCF	G**H**
43	3	25	31	BCD	E**F**
42	3	6.3	29	BCD	E**F**
40FR5	3	32	22	**BE**FG	A**D**
36AM3	4	32	22	E	**C**G
35Z5	3	32	21	E	**G**H
35Z4	3	32	20	E	**G**H
35Z3	3	32	22	B	G**H**
35Y4	3	32	23	B	G**H**
35W4	3	32	20	E	**C**G
35L6	3	32	20	CDE	**G**H
35HB8	1	32	20	AC	B**E**
	3	32	22	FGJ	**E**H
35GL6	2	32	22	BEG	A**D**
	(A normally shows leakage)				
35EH5	3	32	20	**BE**FG	A**D**
35DZ8	1	32	20	AJ	**E**H
	3	32	20	CFG	B**E**
35CD6	3	32	17	EHN	**B**C
35C5	3	32	24	**BE**FG	A**C**
35B5	3	32	23	**A**EF**G**	B**D**
35A5	3	32	22	BCF	G**H**
34GD5	3	32	21	**BE**FG	A**D**

3EV5*	2	2.5	23	AEF	(**BG**)**D**
3FS5*	3	3.15	19	AF	(**BG**)**D**E
3GK5	3	3.15	18	BE	**ADG**
(Tube damaged if A or G is moved)					
3HA5	3	2.5	18	AE	**BDG**
(Tube damaged if B or G is moved)					
3HM6	1	3.15	34	GJ	**ACE**
	3	3.15	19	BH	**ACE**
(Tube damaged if A or C is moved)					
3HT6	1	3.15	34	GJ	**ACE**
	3	3.15	19	BH	**ACE**
(Tube damaged if A or C is moved)					
3LF4	2	1.4	30	BCF	**AH**
3Q4	2	1.4	33	**B**CD**F**	**AG**
3Q5	3	1.4	35	CDE	**BG**
3S4	2	1.4	35	**B**CD**F**	**AG**
3V4	2	1.4	28	BCF	**AG**
4AU6	2	4.2	22	ABEF	**D**G
4AV6	1	4.2	21	AG	B**D**
	1	4.2	43	E	B**D**
	1	4.2	43	F	B**D**
4BA6	2	4.2	23	ABEF	**D**G
4BC5*	1	4.2	18	AEF	(**BG**)**C**
4BC8	2	4.2	22	AB	C**D**
	2	4.2	22	FG	**D**H
4BE6	2	4.2	20	A	B**D**
	2	4.2	20	EFG	B**D**
4BL8	2	4.7	22	AJ	**E**H
	2	4.7	20	BC	**E**FG
4BN6	1	4.2	36	BEFG	A**C**
(Good tube reads 23)					
4BQ7	2	4.2	21	AB	C**D**
	2	4.2	21	FG	**D**H
4BS8	2	4.2	22	AB	C**D**
	2	4.2	22	FG	**D**H
4BU8	1	4.2	22	BCFG	A**E**
	1	4.2	22	BGHJ	A**E**
4BX8	1	5	19	AB	C**E**
	1	5	19	FG	**E**H
4BZ6	1	4.2	18	AEFG	B**C**
(No open element test on E & G)					
4BZ7	2	4.2	21	FG	**D**H
	2	4.2	20	AB	C**D**
4BZ8	3	4.2	16	FG	**E**H
	3	4.2	16	AB	C**E**
4CB6	2	4.2	22	AEFG	B**C**
(No open element test on E)					
4CE5*	2	4.2	20	AEF	(**BG**)**D**
(No open element test on E)					
4CS6	1	4.2	20	AF	B**C**
	1	4.2	28	EG	B**C**
4CY5*	3	4.2	24	AEF	(**BG**)**C**
4DE6	2	4.2	21	AEFG	B**C**
(No open element test on E & G)					
4DK6	3	4.2	22	AEF	B**C**G
4DT6	1	4.2	20	AEFG	B**D**
4EH7*	2	4.2	21	BGHJ	(**AC**)**E**

34CE3	1	32	18	**DK**	G**M**
33GY7*	3	12.6	21	B	**A**D**M**
	3	12.6	19	E(**JK**)L	**A**H**M**
33GT7*	3	12.6	21	B	**A**D**M**
	3	12.6	20	E(**JL**)K	**A**H**M**
32L7	3	32	21	CDE	**G**H
	3	32	18	F	A**G**
32ET5	3	32	19	**BE**FG	A**D**
26	2	1.4	38	BC	**D**
25Z6	2	25	24	E	**G**H
	3	25	24	C	D**G**
25Z5	3	25	25	B	C**F**
	3	25	25	E	D**F**
25W6	3	25	17	CDE	**B**H
25W4	3	25	18	E	C**G**
25L6	3	25	22	CDE	**G**H
25GF6	3	25	16	DEN	**G**H
25F5	2	25	22	**BE**FG	A**D**
25EH5	3	25	20	**BE**FG	A**D**
25EC6	3	25	20	EHN	**B**C
25DT5	3	25	22	A**CF**J	**E**G
25DQ6	3	25	24	DEN	**G**H
25DN6	3	25	17	EHN	C**G**
25DK4	4	25	26	E	**C**G
25CU6	3	25	23	DEN	**G**H
25CD6	3	25	20	EHN	**B**C
25CA5	3	25	17	**BE**FG	A**D**
25C6	3	25	25	CDE	**G**H
25C5	2	25	20	**BE**FG	A**D**
25BQ6	2	25	21	DEN	**G**H
25BK5	2	25	21	A**CG**H	**D**F
25AX4	3	25	20	E	C**H**
25AV5	3	25	18	AEH	**B**C
22DE4	3	25	22	E	C**H**
22BH3	3	25	22	**BG**	**E**J
21LU8*	1	19.6	19	BK	L**M**
	3	19.6	19	D(**FG**)H	J**M**
21LR8	1	19.6	19	HJ	A**E**
	3	19.6	19	BFG	C**E**
21HB5*	3	19.6	18	B(**CL**)G	(**DK**)**M**
21GY5*	3	19.6	18	(**CGL**)(**EJ**)N	(**DK**)**M**
21EX6	3	19.6	16	EHN	C**G**
21A6	3	19.6	16	**A**B**FGHJ**N	C**E**
(No open element test on N)					
19X8	2	19.6	21	AGHJ	**D**F
	2	19.6	22	BC	**D**F
19X3	3	19.6	18	J	C**D**
19T8	1	19.6	20	A	**CE**G
	1	19.6	20	B	C**EG**
	1	19.6	20	F	**CE**G
	1	19.6	21	HJ	**CE**G
19Q9	3	19.6	19	AB	C**E**K
	3	19.6	19	HJ	**E**G
19KG8	3	19.6	19	BA	C**E**
	3	19.6	19	GJ	**E**FH
19JN8	2	19.6	20	AB	C**E**
	3	19.6	19	FGJ	**E**H

4EJ7*	2	4.2	21	BGHJ	**(AC)**E
4ES8	2	4.2	20	AB	C**E**
	2	4.2	20	FG	**E**H
4EW6	2	4.2	20	AEF	B**C**G
(No open element test on E & G)					
4GK5	3	4.2	19	BE	**ADG**
(Tube damaged if A or G is moved)					
4GM6	2	4.2	20	AEF	B**D**G
4GZ5	3	4.2	19	**BE**F	A**D**G
4HA5	3	4.2	18	AE	**BDG**
(Tube damaged if B or G is moved)					
4HA7	1	4.2	20	BL	C**M**
	2	4.2	23	JK	D**M**
4HM6	3	4.2	18	BH	**ACE**
	1	4.2	32	GJ	**ACE**
(Tube damaged if A or C is moved)					
4HS8	2	4.2	24	BHJ	A**E**
	2	4.2	21	CFG	A**E**
4HT6	3	4.2	19	BH	**ACE**
	1	4.2	34	GJ	**ACE**
(Tube damaged if A or C is moved)					
4JC6	3	4.7	19	BH	**ACE**G
(Tube damaged if A or C is moved)					
4JD6	3	4.7	19	BH	**ACE**G
(Tube damaged if A or C is moved)					
5AM8	1	4.7	18	BCFJ	A**D**
(No open element test on F & J)					
	1	4.7	18	H	**D**G
5AN8	2	4.7	22	FGH	**E**J
(No open element test on F)					
	2	4.7	23	AB	C**E**
5AQ5	3	4.7	27	**AEFG**	B**D**
5AR4	3	5	26	D	**H**
	3	5	26	F	**H**
5AS4	1	5	23	D	**H**
	1	5	23	F	**H**
5AS8	3	4.7	22	ABJ	C**D**
	2	4.7	24	F	**D**H
5AT8	2	4.7	21	AB	C**E**
	2	4.7	20	FGHJ	C**E**
(No open element test on F & H)					
5AU4	3	5	30	F	**H**
	3	5	30	D	**H**
5AV8	2	4.7	22	FHJ	**E**G
(No open element test on F)					
	2	4.7	23	BC	A**E**
5AW4	4	5	18	D	**H**
	4	5	18	F	**H**
5AX4	3	5	40	D	**H**
	3	5	40	F	**H**
5AZ4	3	5	43	F	**H**
	3	5	43	D	**H**
5B8	2	4.7	21	BC	A**E**
	2	4.7	21	FHJ	**ABCE**G

(No open element test on F)					
19J6	2	19.6	24	AF	**C**G
	2	19.6	24	BE	**C**G
19HV8	1	19.6	21	AB	C**E**
	2	19.6	21	GJ	**E**FH
19EZ8	1	19.6	20	BC	A**D**
	1	19.6	20	FG	**D**
	1	19.6	20	HJ	**D**
19EA8	2	19.6	20	AJ	**E**H
	2	19.6	20	BCF	**E**G
19DE7	2	19.6	26	FG	**D**H
	3	19.6	22	A**BC**	**D**J
19CL8	2	19.6	21	AB	C**D**
	2	19.6	21	FGJ	**D**H
19BG6	3	19.6	26	EHN	C**G**
19AU4	4	19.6	22	E	C**H**
18J6	1	19.6	23	AF	B**D**EG
	1	19.6	23	BE	A**D**FG
18HB8	1	19.6	20	AC	B**E**
	3	19.6	22	FGJ	**E**H
18FY6	1	19.6	20	AG	B**D**
	1	19.6	50	E	B**D**
	1	19.6	50	F	B**D**
18FX6	2	19.6	22	AFG	B**D**
	2	19.6	25	EFG	B**D**
18FW6	2	19.6	21	ABEF	**D**G
18DZ8	1	19.6	20	AJ	**E**H
	3	19.6	20	CFG	B**E**
18A5	2	12.6	24	AEH	C**G**
17Z3	4	12.6	18	**BJ**	**D**N
17X10	3	19.6	19	BJL	C**M**
	4	19.6	55	DEFG	H**M**
17R5	3	12.6	24	**BE**FG	A**C**
17L6	3	12.6	24	CDE	**G**H
17JZ8*	1	19.6	20	BK	L**M**
	3	19.6	19	D**(FG)**H	J**M**
17JB6*	3	19.6	19	**(AG)(BF)**HN	C**E**
17HC8	3	19.6	23	CFG	B**E**
	3	19.6	26	AJ	**E**H
17H3	3	12.6	28	**CH**	A**E**
17GW6	3	19.6	20	DEN	**G**H
17GV5*	3	19.6	19	**CGL(EJ)**N	**(DK)M**
17GT5*	3	19.6	19	**(AG)(BF)**J	C**E**
17GJ5*	3	19.6	20	**(AG)(BF)**N	C**E**
17GE5*	3	19.6	19	B**(CL)**G	**(DK)M**
17DQ6	3	12.6	24	DEN	**G**H
17DM4	3	19.6	21	E	C**H**
17DE4	3	19.6	22	E	C**H**
17D4	3	12.6	21	E	C**G**
17CU5	3	12.6	19	**BE**FG	A**D**
17CA5	3	12.6	22	**BE**FG	A**D**
17C9	2	19.6	20	ABC	**E**K
	2	19.6	20	GHJ	**E**F
17C5	3	12.6	24	BEFG	A**C**

(No open element test on J)

5BE8	2	4.7	20	AB	C**E**
	2	4.7	20	FGJ	C**E**H
5BK7	2	4.7	21	FG	**E**H
	2	4.7	21	AB	C**E**
5BQ7	2	4.7	22	AB	C**D**
	2	4.7	22	FG	**D**H
5BR8	2	4.7	20	AB	C**E**
	2	4.7	20	FGJ	**E**H

(No open element test on F)

5BS8	2	4.7	22	AB	C**D**
	2	4.7	22	FG	**D**H
5BT8	3	4.7	22	FGH	**DJ**
	1	4.7	26	A	C**D**
	1	4.7	26	B	C**D**
5BW8	1	4.7	20	A	B**E**
	1	4.7	20	C	B**E**
	2	4.7	21	FHJ	**E**G

(No open element test on J)

5BZ7	2	4.7	20	AB	C**D**
	2	4.7	20	FG	**D**H
5CG8	1	4.7	20	AB	**CEH**
	1	4.7	19	FGJ	**CEH**

(No element or short test on C & H)

5CL8	2	4.7	22	AB	C**D**
	2	4.7	22	FGJ	**D**H
5CM6	3	4.7	21	A**CF**J	**D**G
5CM8	2	4.7	24	AJ	**D**H
	3	4.7	22	BFG	C**D**
5CQ8	1	4.7	19	AJ	**E**H
	1	4.7	19	BCF	**E**G
5CR8	2	5	20	AJ	**E**H
	2	5	19	BFG	C**E**
5CZ5	1	4.7	21	A**CF**J	**E**G
5DH8	1	5	19	AB	C**D**
	2	5	20	FGJ	**D**H
5EA8	2	4.7	21	AJ	**E**H
	2	4.7	21	BCF	**E**G
5EH8*	2	4.7	21	GHJ	(**AF**)**E**
	2	4.7	21	BC	(**AF**)**E**
5EU8	2	4.7	21	AGJ	**E**H
	2	4.7	21	BC	**E**F
5EW6	2	5	19	AF	B**D**
	1	5	41	EG	B**D**
5FG7*	2	4.7	19	AB	(**CH**)**E**
	3	4.7	19	GJ	(**CH**)**E**F
5FV8	2	4.7	21	FGJ	**E**H
	2	4.7	21	AB	C**E**
5GH8	2	4.7	20	BCF	**E**G
	2	4.7	20	AJ	**E**H
5GM6	2	5	19	AF	B**D**
	1	5	37	EG	B**D**
5GX7*	2	5	20	BG	(**AC**)**E**F
	3	5	21	HJ	(**AC**)**E**
5HG8*	3	5	19	BJ	(**AC**)EH
	3	5	23	FG	(**AC**)**E**
5J6	1	4.7	20	AF	**D**G

17BF11	1	19.6	20	CEFG	B**M**
	3	19.6	20	HKL	J**M**
17BE3	3	19.6	20	**DK**	G**M**
17AY3	3	19.6	21	**BG**	**E**J

(J may show leakage)

17AX4	3	12.6	28	E	C**H**
17AX3	3	19.6	23	**DK**	G**M**
17AV5	3	12.6	24	AEH	**B**C
16GY5*	3	12.6	18	**C**(**EJ**)**GL**N	(**DK**)**M**
16GK6*	2	19.6	20	BGH	A(**CJ**)**E**
16AQ3	3	19.6	20	**CHJ**	**E**N
15HB6*	3	12.6	18	B(**FH**)	A**E**
	1	12.6	24	(**CJ**)G	A**E**
15FY7	3	12.6	19	CE	G**M**
	1	12.6	21	KL	J**M**
15CW5*	3	12.6	20	(**AB**)(**FGH**)J	C**E**

(F is not used in some tubes)

15BD11	2	12.6	21	CD	G**M**
	2	12.6	20	FH	E**M**
	3	12.6	20	KL	BJ**M**
15AF11	2	12.6	21	CD	G**M**
	2	12.6	21	FH	E**M**
	3	12.6	20	KL	BJ**M**
15A8	2	12.6	24	DEN	**B**F
	2	12.6	27	CH	A**B**
14Q7	2	12.6	25	CD	G**H**
	2	12.6	30	BEF	G**H**
14JG8	1	12.6	19	B	C**E**
	1	12.6	19	F	A**E**
	2	12.6	23	HJ	**E**G
14GT8	1	12.6	20	B	C**E**
	1	12.6	20	F	A**E**
	1	12.6	20	HJ	**E**G
14F8	3	12.6	22	AC	D**G**
	3	12.6	22	FH	E**G**
14F7	1	12.6	20	CD	B**H**
	1	12.6	20	EF	G**H**
14C7	2	12.6	28	BCF	DG**H**
14AF7	3	12.6	25	EF	**B**CDG**H**
	3	12.6	25	CD	BEF**GH**
14A7	2	12.6	30	BCDF	G**H**
13J10	4	12.6	68	DEFG	H**M**
	3	12.6	20	BJL	C**M**
13GF7	1	12.6	20	HJ	A**E**
	3	12.6	18	BF	C**E**
13GC8	2	12.6	21	AB	C**E**
	2	12.6	21	FHJ	**E**G
13FR7	3	12.6	19	A**BC**	**E**J
	3	12.6	30	FG	**E**H
13FM7	3	12.6	19	(**CH**)E	G**M**
	1	12.6	20	KL	J**M**
13FD7*	1	12.6	21	FG	**E**H
	3	12.6	18	A(**BC**)	**E**J
13EM7	3	12.6	19	AB	C**H**
	1	12.6	20	DE	F**H**
13DR7	1	12.6	19	FG	**E**H
	3	12.6	16	A**BC**	**E**J

	1	4.7	20	BE	**D**G
5KD8	2	5	20	AJ	**E**H
	2	5	20	BC	**E**FG
5LJ8*	3	5	22	AB	**(CH)E**
	3	5	19	GJ	**(CH)E**F
5MB8	3	5	21	AB	C**E**
	3	5	19	GJ	**E**FH
5R4	3	5	46	D	**H**
	3	5	46	F	**H**
5T4	3	5	26	F	**H**
	3	5	26	D	**H**
5T8	1	4.7	20	A	**CE**G
	1	4.7	20	B	C**EG**
	1	4.7	20	F	**CE**G
	3	4.7	36	HJ	**CE**G
5U4	3	5	35	F	**H**
	3	5	35	D	**H**
5U8	2	4.7	22	AJ	**E**H
	2	4.7	22	BCF	**E**G
	(No open element test on F)				
5V3	3	5	23	D	**B**
	3	5	23	F	**B**
5V4	3	5	25	F	**H**
	3	5	25	D	**H**
5V6	3	4.7	29	CDE	A**G**H
5W4	3	5	48	F	**H**
	3	5	48	D	**H**
5X4	3	5	33	E	**H**
	3	5	33	C	**H**
5X8	2	4.7	22	BC	**E**F
	2	4.7	21	GHJ	A**E**F
5Y3	3	5	50	D	**H**
	3	5	50	F	**H**
5Y4	3	5	57	E	**G**
	3	5	57	C	**G**
5Z3	3	5	35	C	**D**
	3	5	35	B	**D**
5Z4	3	5	27	F	**B**
	3	5	27	D	**B**
6A7	2	6.3	30	DE	F**G**
	2	6.3	38	BCN	F**G**
6A8	2	6.3	31	EF	**G**H
	2	6.3	40	CDN	**G**H
6AB4	2	6.3	22	AF	**C**G
6AB7	3	6.3	23	DFH	CE**G**
6AB8	1	6.3	20	FGHJ	C**E**
	(No open element test on F & G)				
	1	6.3	23	AB	C**E**
6AC5	3	6.3	34	CE	**G**H
6AC7	3	6.3	21	DFH	CE**G**
	(No open element test on C & H)				
6AF3	4	6.3	18	**BJ**	**E**N
6AF4*	2	6.3	21	**(AG)(BF)**	**D**E
6AF11	2	6.3	21	CD	G**M**
	2	6.3	21	FH	E**M**
	3	6.3	20	KL	BJ**M**
6AG5*	3	6.3	20	AEF	**(BG)C**
13DE7	1	12.6	18	A**BC**	**E**J
	1	12.6	20	FG	**E**H
12X4	1	12.6	21	A	**D**G
	1	12.6	21	F	**D**G
12W6	3	12.6	21	CDE	**G**H
12V6	3	12.6	27	CDE	**G**H
12U7	1	6.3	25	AB	C**DE**
	1	6.3	25	FG	**DE**H
12T10	1	12.6	20	CEFG	B**M**
	3	12.6	19	HK	JL**M**
12SQ7	1	12.6	22	BF	C**G**
	1	12.6	50	D	C**G**
	1	12.6	50	E	C**G**
12SN7	2	12.6	29	AB	C**G**
	2	12.6	29	DE	F**G**
12SL7	3	12.6	28	AB	C**G**
	3	12.6	28	DE	F**G**
12SK7	3	12.6	28	CDFH	E**G**
12SJ7	1	12.6	20	DFH	CE**G**
12SH7*	3	12.6	19	DFH	**(CE)G**
12SG7*	3	12.6	19	DFH	**(CE)G**
12SF5	1	12.6	20	CE	B**G**
12SC7	1	12.6	20	BC	F**G**
	1	12.6	20	DE	F**G**
12SA7	2	12.6	25	DE	F**G**
	2	12.6	35	CH	F**G**
12R5	3	12.6	28	**BE**FG	A**C**
12L6	3	12.6	22	CDE	**G**H
12K7	3	12.6	34	CDN	E**G**H
12K5	1	12.6	20	B**EF**G	A**D**
12JN8	3	12.6	19	AB	C**E**
	3	12.6	20	GJ	**E**FH
12J8	1	12.6	20	ACF	B**D**
	1	12.6	20	H	**D**G
	1	12.6	20	J	**D**G
12J7	1	12.6	20	CDN	E**G**H
12J5	2	12.6	24	CE	**G**H
12H6	1	12.6	25	C	D**G**
	1	12.6	25	E	**G**H
12GW6	3	12.6	20	DEN	**G**H
12GT5*	3	12.6	19	**(AG)(BF)**J	C**E**
12GN7	3	6.3	17	B**C**H**J**	A**DE**G
12GE5*	3	12.6	19	B**(CL)**G	**(DK)M**
12GC6	3	12.6	20	**D**E**H**N	C**G**
12FX8	1	12.6	19	AB	**EG**
	1	12.6	19	FH	**E**
	1	12.6	25	CJ	**EG**
12FX5*	2	12.6	20	**BE**FG	A**D**
12FR8	1	12.6	18	CFG	**E**
	1	12.6	20	AJ	**BE**
	1	12.6	44	H	B**E**
12FQ8	1	12.6	20	GH	ABC**E**FJ
	1	12.6	20	FG	ABC**E**HJ
	1	12.6	20	AB	C**E**FGHJ
	1	12.6	20	BC	A**E**FGHJ
12FM6	1	12.6	38	E	B**D**
	1	12.6	38	F	B**D**

	(No open element test on E)				
6AG7	3	6.3	17	DFH	E**G**
6AG11	1	6.3	20	C	B**M**
	1	6.3	20	K	L**M**
	2	6.3	20	EF	D**M**
	2	6.3	20	GH	J**M**
6AH4	2	6.3	20	AE	**G**H
6AH6	2	6.3	22	AEF	B**C**G
6AJ4	2	6.3	19	**ACD**E**FJ**	B**H**
6AJ5*	2	6.3	23	AEF	**(BG)C**
6AJ8	2	6.3	22	ABFG	C**E**
	2	6.3	23	HJ	C**E**
6AK5*	2	6.3	22	AEF	**(BG)C**
6AK6	3	6.3	30	ABEF	**C**G
6AK8	1	6.3	20	A	**D**G
	1	6.3	20	B	C**D**
	1	6.3	21	HJ	**D**G
	1	6.3	40	F	**D**G
6AL3	3	6.3	19	**CHJ**	**E**N
6AL5	1	6.3	22	B	**D**E
	1	6.3	22	G	A**D**
6AL11	1	6.3	21	CDFG	B**M**
	3	6.3	20	HKL	J**M**
6AM4	1	6.3	18	**ACD**E**FJ**	B**H**
6AM5	1	6.3	22	AEG	B**D**
6AM8	1	6.3	18	BCFJ	A**D**
	(No open element test on F & J)				
	1	6.3	18	H	**D**G
6AN4*	2	6.3	20	**(AG)(BF)**	**C**E
6AN5*	3	6.3	17	AEF	**(BG)D**
6AN8	2	6.3	22	FGH	**E**J
	(No open element test on F)				
	2	6.3	23	AB	C**E**
6AQ5	3	6.3	32	**AEFG**	B**D**
6AQ6	1	6.3	20	AG	B**C**
	1	6.3	40	E	B**C**
	1	6.3	40	F	B**C**
6AQ8	2	6.3	21	AB	C**E**
	2	6.3	21	FG	**E**H
6AR5	3	6.3	30	AEF	B**D**
6AR6	3	6.3	20	CEG	A**H**
6AR8	3	6.3	22	BCFJ	**E**G
	(No open element test on B, C & J)				
	3	6.3	22	ACFH	**E**G
	(No open element test on A, C & H)				
6AR11	3	6.3	18	CE	BDF**M**
	3	6.3	18	JK	GHL**M**
6AS5*	1	6.3	19	**(BE)**FG	A**C**
6AS6	2	6.3	25	AEFG	B**C**
	1	12.6	55	G	AB**D**
12FK6	1	12.6	20	AG	B**D**
	1	12.6	40	E	B**D**
	1	12.6	40	F	B**D**
12F8	1	12.6	21	BCH	**D**GJ
	1	12.6	37	A	**D**G
	1	12.6	37	F	**D**G
12F5	1	12.6	22	DN	**G**H
12EZ6	1	12.6	18	AF	B**D**EG
	1	12.6	24	BE	**D**G
12EQ7	1	12.6	34	H	C**E**
	(Good tube reads 25)				
	2	12.6	22	ABFG	C**E**
12EN6	1	12.6	19	CDE	**G**H
12EM6	1	12.6	19	ACF	B**E**
	1	12.6	38	J	B**E**
12EL6	1	12.6	20	AB	**D**G
	1	12.6	45	E	**D**G
	1	12.6	45	F	**D**G
12EK6	1	12.6	20	AB	**D**G
	1	12.6	21	EF	**D**G
12EH5	3	12.6	20	**BE**FG	A**D**
12EG6	1	12.6	20	AEG	B**D**
	1	12.6	21	F	B**D**
12ED5	3	12.6	20	**BE**FG	A**D**
12EC8	1	12.6	40	B	AC**E**
	1	12.6	57	FG	**E**HJ
12EA6	1	12.6	20	AF	B**D**G
12E5	3	12.6	30	CE	**G**H
12DZ6	1	12.6	20	AF	B**D**G
12DW7	2	6.3	24	AB	C**DE**
	1	6.3	20	FG	**DE**H
12DW5	1	12.6	21	A**CF**J	**E**G
12DV8	1	12.6	20	CFG	B**E**
	1	12.6	35	A	**E**H
	1	12.6	35	J	**E**H
12DV7	1	6.3	22	FG	**DE**H
	1	6.3	67	B	A**DE**
	1	6.3	67	C	A**DE**
12DT8	2	12.6	21	AB	C**E**
	2	12.6	21	FG	**E**H
12DT7	1	6.3	20	AB	C**DE**
	1	6.3	20	FG	**DE**H
12DT6	1	12.6	20	AEFG	B**D**
12DT5	3	12.6	24	A**CF**J	**E**G
12DS7	1	12.6	20	CFG	**E**H
	1	12.6	40	A	**E**H
	1	12.6	40	J	**E**H
12DQ7	3	12.6	22	B**C**GH**J**	A**E**

6AS7	3	6.3	16	AB	C**H**
	3	6.3	16	DE	F**H**
6AS8	1	6.3	19	ABJ	C**E**G
	1	6.3	18	F	**E**H
6AS11	2	6.3	21	CD	G**M**
	2	6.3	21	FH	E**M**
	3	6.3	18	KL	BJ**M**
6AT6	1	6.3	20	AG	B**C**
	1	6.3	35	E	B**C**
	1	6.3	35	F	B**C**
6AT8	2	6.3	21	AB	C**E**
	2	6.3	20	FGHJ	C**E**

(No open element test on F & H)

6AU4	4	6.3	22	E	C**H**
6AU5	3	6.3	22	AEH	C**G**
6AU6	2	6.3	22	ABEF	**D**G
6AU7	2	3.15	25	AB	C**DE**
	2	3.15	25	FG	**DE**H
6AU8	2	6.3	21	BC	A**D**
	2	6.3	21	GHJ	**D**F

(No open element test on J)

6AV5	2	6.3	25	AEH	**B**C
6AV6	1	6.3	21	AG	B**D**
	1	6.3	43	E	B**D**
	1	6.3	43	F	B**D**
6AV11	2	6.3	23	BL	C**M**
	2	6.3	23	EG	F**M**
	2	6.3	23	JK	D**M**
6AW8	3	6.3	20	GHJ	**D**F
	3	6.3	23	BC	A**D**
6AX3	3	6.3	23	**DK**	G**M**
6AX4	3	6.3	22	E	C**H**
6AX5	3	6.3	32	C	**B**H
	3	6.3	32	E	**B**H
6AX7	1	3.15	20	AB	C**DE**
	1	3.15	20	FG	**DE**H
6AX8	2	6.3	20	AJ	**E**H
	2	6.3	20	BCF	**E**G

(No open element test on F)

6AY3	3	6.3	22	**BG**	**E**J

(J may show leakage)

6AY11	1	6.3	19	GH	**JM**
	1	6.3	19	EF	D**M**
	1	6.3	19	K	L**M**
	1	6.3	19	C	B**M**
6AZ8	2	6.3	21	HJ	**E**G
	2	6.3	21	ABF	C**E**
6B4	3	6.3	28	CE	**G**
6B10	1	6.3	20	H	**JM**
	1	6.3	20	K	**JM**
	2	6.3	21	CD	B**M**
	2	6.3	22	EF	G**M**
6BA6	2	6.3	23	ABEF	**D**G
6BA7	3	6.3	18	AB	C**E**FGJ
	1	6.3	36	AFGJ	BC**E**
6BA8	3	6.3	25	BC	A**D**
	3	6.3	22	GHJ	**D**F
	2	6.3	23	BCE	H**M**

12DQ6	3	12.6	23	DEN	**G**H
12DL8	1	12.6	20	CFG	B**E**
	1	12.6	40	A	**E**H
	1	12.6	40	J	**E**H
12DK7	1	12.6	20	CG	B**E**
	1	12.6	30	F	B**E**
	1	12.6	40	J	B**E**
12DJ8	2	12.6	20	AB	C**E**
	2	12.6	20	FG	**E**H
12DF5	1	6.3	31	A	C**J**
	1	6.3	31	F	H**J**
12DB5*	2	12.6	24	A(**CF**)J	(**BG**)**D**
12D4	3	12.6	21	E	C**G**
12CX8	1	12.6	23	BEF	A**C**G
12CX6	2	12.6	22	AE	B**C**G
12CU6	3	12.6	23	DEN	**G**H
12CU5	3	12.6	18	**BE**FG	A**D**
12CT8	2	12.6	22	AB	C**D**
	2	12.6	22	FGH	**D**J
12CS6	1	12.6	20	AF	B**C**
	1	12.6	25	EG	B**C**
12CR6	1	12.6	32	B	A**C**
	3	12.6	30	EFG	A**C**
12CN5*	2	12.6	42	FG	A(**BE**)**C**
12CM6	3	12.6	26	A**CF**J	**E**G
12CA5	3	12.6	22	**BE**FG	A**C**
12C5	3	12.6	17	**BE**FG	A**C**
12BZ7	1	6.3	19	AB	C**DE**
	1	6.3	19	FG	**DE**H
12BZ6	1	12.6	18	AEFG	B**C**

(No open element test on E & G)

12BY7*	3	6.3	22	BGH	A(**CJ**)**DE**

(No open element test on G)

12BW4	4	12.6	20	A	**E**J
	4	12.6	20	G	**E**J
12BV7*	3	6.3	20	BGH	A(**CJ**)**DE**
12BT3	3	12.6	21	**DK**	G**M**
12BR7	2	6.3	21	AB	C**DE**
	2	6.3	23	F	**DE**H
	2	6.3	23	G	**DE**H
12BQ6	3	12.6	22	DEN	**G**H
12BN6	1	12.6	36	BEFG	A**C**

(Good tube reads 30)

12BL6	1	12.6	20	AEF	B**D**G

(Good tube reads 30)

12BK5	2	12.6	22	A**CG**H	**D**F
12BH7	2	6.3	21	AB	C**DE**
	2	6.3	21	FG	**DE**H
12BF6	1	12.6	38	E	B**D**
	1	12.6	38	F	B**D**
	2	12.6	34	AG	B**D**
12BE6	2	12.6	24	A	B**D**
	2	12.6	24	EFG	B**D**
12BE3	3	12.6	20	**DK**	G**M**
12BD6	2	12.6	27	ABEF	**D**G
12BA7	1	12.6	36	AFGJ	BC**E**
	3	12.6	18	AB	C**E**FGJ
12BA6	2	12.6	22	ABEF	**D**G

6BA11	2	6.3	22	DFG	H**M**
	2	6.3	22	JL	K**M**
6BC4*	1	6.3	20	**(AJ)BCGH**	**E**F
6BC5*	2	6.3	22	AEF	**(BG)C**
6BC7	1	6.3	20	B	A**D**
	1	6.3	20	H	**DJ**
	1	6.3	21	F	**D**G
6BC8	1	6.3	19	FG	**D**H
	1	6.3	19	AB	C**D**
6BD4	1	6.3	29	EN	A**G**
6BD5	3	6.3	18	AEH	C**G**
6BD6	2	6.3	26	ABEF	**D**G
6BD11	3	6.3	20	KL	BJ**M**
	2	6.3	20	FH	E**M**
	2	6.3	21	CD	G**M**
6BE3	3	6.3	20	**DK**	G**M**
6BE6	2	6.3	22	A	B**D**
	2	6.3	26	EFG	B**D**
6BE8	2	6.3	20	AB	C**E**
	2	6.3	20	FGJ	C**E**H
6BF5	3	6.3	18	**A**EF**G**	B**C**
6BF6	3	6.3	28	AG	B**D**EF
	1	6.3	38	E	AB**D**FG
	1	6.3	38	F	AB**D**EG
6BF11	1	6.3	20	CEFG	B**M**
	3	6.3	20	HKL	J**M**
6BG6	3	6.3	24	EHN	C**G**
6BH3	3	6.3	22	**BG**	**EJ**
6BH6	2	6.3	22	AEFG	B**C**
6BH8	2	6.3	22	BC	A**D**
	2	6.3	21	GHJ	**D**F

(No open element test on J)

6BJ3	3	6.3	21	**DK**	G**M**
6BJ6	2	6.3	22	AEFG	B**D**
6BJ7	1	6.3	20	B	A**E**
	1	6.3	20	F	**E**G
	1	6.3	20	H	**EJ**
6BJ8	1	6.3	20	A	B**E**
	1	6.3	20	F	C**E**
	3	6.3	25	GH	**EJ**
6BK4	1	6.3	30	EN	**ABCDFH**

(No open element test on N)

6BK5	2	6.3	21	A**CG**H	**D**F
6BK7	2	6.3	21	FG	**E**H
	2	6.3	21	AB	C**E**
6BK11	1	6.3	20	BL	C**M**
	1	6.3	20	EG	F**M**
	1	6.3	20	JK	D**M**
6BL4	4	6.3	22	**AE**	C**G**
6BL7	3	6.3	22	AB	C**G**
	3	6.3	22	DE	F**G**
6BL8	2	6.3	22	AJ	**E**H
	2	6.3	20	BC	**E**FG
6BM8	1	6.3	20	AJ	**E**H
	1	6.3	20	CFG	B**E**

12B4	2	6.3	21	**BG**J	A**DE**
12AZ7	1	6.3	20	AB	C**DE**
	1	6.3	20	FG	**DE**H
12AY7	1	6.3	22	AB	C**DE**
	1	6.3	22	FG	**DE**H
12AY3	3	12.6	22	**BG**	**E**J

(J may show leakage)

12AX7	1	6.3	20	AB	C**DE**
	1	6.3	20	FG	**DE**H
12AX4	3	12.6	22	E	C**G**
12AX3	3	12.6	23	**DK**	G**M**
12AW6	2	12.6	22	AEFG	B**D**

(No open element test on E)

12AV7	2	6.3	22	AB	C**DE**
	2	6.3	21	FG	**DE**H
12AV6	1	12.6	21	AG	B**D**
	1	12.6	43	E	B**D**
	1	12.6	43	F	B**D**
12AV5	3	12.6	18	AEH	**B**C
12AU7	2	6.3	25	AB	C**DE**
	2	6.3	25	FG	**DE**H
12AU6	2	12.6	22	ABEF	**D**G
12AT7	2	6.3	24	AB	C**J**
	2	6.3	24	FG	H**J**
12AT6	1	12.6	35	E	B**C**
	1	12.6	35	F	B**C**
	3	12.6	26	AG	B**C**
12AS5	3	12.6	19	**BE**FG	A**D**
12AQ5	3	12.6	22	**A**EF**G**	B**D**
12AL11	1	12.6	21	CDFG	B**M**
	3	12.6	20	HKL	J**M**
12AL8	1	12.6	22	A	**EJ**
	1	12.6	38	BF	C**E**G
12AL5	1	12.6	22	B	**D**E
	1	12.6	22	G	A**D**
12AJ6	1	12.6	20	AG	B**C**
	1	12.6	38	E	B**C**
	1	12.6	38	F	B**C**
12AH8	2	6.3	20	ABFG	C**DE**
	2	6.3	23	GH	C**DE**
12AH7	3	12.6	30	AC	B**G**
	3	12.6	30	EF	D**G**
12AF6	1	12.6	20	ABEF	**D**G
12AF3	4	12.6	18	**BJ**	**E**N
12AE7	1	6.3	19	AB	C**DE**
	1	6.3	19	FG	**DE**H
12AE6	1	12.6	22	AG	B**C**
	1	12.6	40	E	B**C**
	1	12.6	40	F	B**C**
12AD7	1	6.3	22	AB	C**DE**
	1	6.3	22	FG	**DE**H
12AD6	1	12.6	20	AEFG	B**C**
12AC6	1	12.6	21	ABEF	**D**G
12AB5*	3	12.6	30	**(AH)(CF)**J	**E**G
12A6	3	12.6	32	CDE	**G**H

6BN4*	1	6.3	19	(**BG**)E	(**AF**)**D**
6BN6	1	6.3	36	BEFG	A**C**

(Good tube reads 23)

6BN8	1	6.3	20	A	B**E**
	1	6.3	20	F	C**E**
	1	6.3	20	GH	**E**J
6BQ5	3	6.3	22	**AB**GJ	C**D**
6BQ6	3	6.3	21	DEN	**G**H
6BQ7	2	6.3	22	AB	C**D**
	2	6.3	21	FG	**D**H
6BR7	1	6.3	20	BGHJ	C**E**
6BR8	2	6.3	20	AB	C**E**
	2	6.3	20	FGJ	**E**H

(No open element test on F)

6BS8	2	6.3	22	AB	C**D**
	2	6.3	22	FG	**D**H
6BU8	1	6.3	22	BCFG	A**E**
	1	6.3	22	BGHJ	A**E**
6BV8	1	6.3	20	F	**E**H
	1	6.3	20	J	**E**G
	2	6.3	22	BC	A**E**
6BW4	4	6.3	20	G	**E**J
	4	6.3	20	A	**E**J
6BW8	1	6.3	20	A	B**D**
	1	6.3	20	C	B**D**
	3	6.3	22	FHJ	**D**G
6BX6*	2	6.3	22	BGHJ	(**AC**)**E**
6BX7	3	6.3	22	DE	F**G**
	3	6.3	22	AB	C**G**
6BY5	3	6.3	23	D	A**G**
	3	6.3	23	E	**G**H
6BY6	1	6.3	19	AF	B**D**
	1	6.3	25	EG	B**D**
6BY7	1	6.3	22	BGHJ	AC**E**

(No element or short test on A & C)

6BY8	2	6.3	26	ABGH	**E**J
	2	6.3	22	F	C**E**
6BZ6	1	6.3	18	AEFG	B**C**

(No open element test on E & G)

6BZ7	2	6.3	21	FG	**D**H
	2	6.3	20	AB	C**D**
6BZ8	3	6.3	16	FG	**E**H
	3	6.3	16	AB	C**E**
6C4	2	6.3	25	**AE**F	**D**G
6C5	2	6.3	30	CE	**G**H
6C6	1	6.3	21	BCN	DE**F**
6C9	2	6.3	20	ABC	**E**K
	2	6.3	20	GHJ	**E**F
6C10	1	6.3	20	BL	C**M**
	1	6.3	20	EG	F**M**
	1	6.3	20	JK	D**M**
6CA4	2	6.3	22	A	C**D**
	2	6.3	22	G	C**D**
6CA5	3	6.3	22	**BE**FG	A**C**
6CA7	3	6.3	22	ACDE	**G**H

12A4	2	6.3	20	**BG**J	A**DE**
11KV8	2	12.6	20	BC	A**E**
	3	12.6	18	GHJ	**E**F
11JE8	2	12.6	20	BC	A**E**
	3	12.6	19	GHJ	**E**F
11CY7	1	9.45	21	FG	**D**H
	3	9.45	20	A**BC**	**D**J
11AR11	3	12.6	18	CE	BDF**M**
	3	12.6	18	JK	GHL**M**
10JY8	3	12.6	18	BC	A**E**
	3	12.6	18	GH	**E**FJ
10JT8	1	9.45	19	BC	A**E**
	3	9.45	18	GH	**E**FJ
10JA8	2	9.45	20	BC	A**E**
	3	9.45	19	GH	**E**FJ
10HF8	1	9.45	19	BC	A**E**
	3	9.45	19	GH	**E**FJ
10GN8	1	9.45	19	BC	A**E**
	3	9.45	19	GH	**E**FJ
10GK6*	2	9.45	20	BGH	A(**CJ**)**E**
10EW7	3	9.45	19	A**BC**	**E**J
	3	9.45	30	FG	**E**H
10EM7	3	9.45	19	AB	C**H**
	1	9.45	20	DE	F**H**
10EG7	1	9.45	21	DE	F**G**
	2	9.45	21	AB	C**G**
10EB8	1	9.45	20	BC	A**E**
	2	9.45	22	GHJ	**E**F
10DX8	2	9.45	20	AB	C**E**
	3	9.45	20	HJ	**E**FG
10DR7	1	9.45	19	FG	**E**H
	3	9.45	16	A**BC**	**E**J
10DE7	2	9.45	26	FG	**D**H
	3	9.45	22	A**BC**	**D**J
10CW5*	3	9.45	20	(**AB**)(**FGH**)J	C**E**

(F is not used in some tubes)

10C8	1	9.45	22	AB	C**E**
	2	9.45	24	FGH	**E**J
10BQ5	3	9.45	22	**AB**GJ	C**D**
10AL11	1	9.45	19	CDFG	B**M**
	3	9.45	20	HKL	J**M**
9U8	2	9.45	22	AJ	**E**H
	2	9.45	22	BCF	**E**G
9KC6	3	9.45	23	FGJ	A**E**
9GV8	2	9.45	21	AB	C**E**
	3	9.45	20	FGJ	**E**H
9GB8	2	9.45	22	FGH	**E**J
	2	9.45	23	AB	C**E**
9EF6	1	9.45	17	CDE	**B**H
9EA8	2	9.45	20	AJ	**E**H
	2	9.45	20	BCF	**E**G
9DZ8	1	9.45	20	AJ	**E**H
	3	9.45	20	CFG	B**E**
9CL8	2	9.45	22	AB	C**D**
	2	9.45	22	FGJ	**D**H

6CB5*	2	6.3	20	(**AH**)(**DE**)	**B**(**CF**)
6CB6	2	6.3	22	AEFG	B**C**
				(No open element test on E & G)	
6CD6	3	6.3	17	EHN	**B**C
6CE3	1	6.3	18	**DK**	G**M**
6CE5*	2	6.3	20	AEF	(**BG**)**D**
				(No open element test on E)	
6CF6	2	6.3	22	AEFG	B**C**
				(No open element test on E & G)	
6CF8	1	6.3	20	AFHJ	C**D**
6CG7	2	6.3	23	AB	C**D**
	2	6.3	23	FG	**D**H
6CG8	1	6.3	20	AB	**CEH**
	1	6.3	19	FGJ	**CEH**
				(No element or short test on C & H)	
6CH6	4	6.3	19	BGHJ	C**E**
6CH7*	1	6.3	19	AB	C**E**
	1	6.3	19	FG	**E**(**HJ**)
6CH8	2	6.3	22	HJ	A**E**
	2	6.3	21	BCG	**E**F
				(No open element test on B)	
6CJ6	3	6.3	16	**A**B**FG**HJN	C**E**
6CK4	1	6.3	21	**AC**E	**G**H
6CL5*	3	6.3	20	(**AH**)(**DE**)N	**B**(**CF**)
6CL6*	3	6.3	22	(**BJ**)(**CH**)FG	A**D**
6CL8	2	6.3	22	AB	C**D**
	2	6.3	22	FGJ	**D**H
6CM6	3	6.3	28	A**CF**J	**D**G
6CM7	2	6.3	24	AH	**E**J
	2	6.3	26	FG	C**E**
6CM8	2	6.3	24	AJ	**D**H
	2	6.3	22	BFG	C**D**
6CN7	1	3.15	21	GH	**DE**F
	3	3.15	20	A	C**DE**
	3	3.15	20	B	C**DE**
6CQ4	3	6.3	21	E	C**H**
6CQ8	1	6.3	19	AJ	**E**H
	1	6.3	19	BCF	**E**G
6CR6	2	6.3	23	EFG	A**D**
	1	6.3	36	B	A**D**
6CS6	1	6.3	20	AF	B**C**
	1	6.3	25	EG	B**C**
6CS7	3	6.3	24	AC	**D**J
	2	6.3	28	FG	**D**H
6CU5	3	6.3	18	**BE**FG	A**D**
6CU6	3	6.3	18	DEN	**G**H
6CU8	1	6.3	20	HJ	A**E**
	1	6.3	19	BCG	**E**F
6CW4	1	6.3	18	BD	H**M**
6CW5	3	6.3	16	**ABFGHJ**	C**D**
6CX8	1	6.3	20	BC	A**D**
	2	6.3	23	GHJ	**D**F
6CY5*	3	6.3	22	AEF	(**BG**)**C**
6CY7	1	6.3	20	FG	**D**H
	3	6.3	20	A**BC**	**D**J
6CZ5	1	6.3	20	A**CF**J	**E**G

9BR7	2	5	18	AB	C**DE**
	2	5	21	F	**DE**H
	2	5	21	G	**DE**H
9AU7	2	4.7	25	AB	C**DE**
	2	4.7	25	FG	**DE**H
9AQ8	1	9.45	18	AB	C**D**
	1	9.45	18	FG	**D**H
9A8	2	9.45	20	BCF	**E**G
	3	9.45	18	AJ	**E**H
8SN7	2	7.5	26	AB	C**G**
	2	7.5	26	DE	F**G**
8KA8	2	9.45	21	AB	C**E**
	3	9.45	19	FGHJ	C**E**
8JV8	1	9.45	19	BC	A**E**
	3	9.45	18	GH	**E**FJ
8GN8	1	7.5	19	BC	A**E**
	3	7.5	19	GH	**E**FJ
8GJ7*	3	9.45	19	BG	(**AC**)**E**F
	3	9.45	21	HJ	(**AC**)**E**
8FQ7	2	7.5	23	AB	C**E**
	2	7.5	23	FG	**E**H
8ET7	3	7.5	20	GHJ	**E**F
				(No open element test on J)	
	1	7.5	56	B	A**E**
	1	7.5	56	C	A**E**
8EM5	3	9.45	18	A**CF**J	**E**G
8EB8	1	7.5	20	BC	A**E**
	2	7.5	22	GHJ	**E**F
8CY7	1	7.5	20	FG	**D**H
	3	7.5	20	A**BC**	**D**J
8CX8	1	7.5	19	BC	A**D**
	1	7.5	19	GHJ	**D**F
8CW5*	3	7.5	20	(**AB**)(**FGH**)J	C**E**
				(F is not used in some tubes)	
8CS7	2	7.5	26	FG	**D**H
	3	7.5	24	AC	**D**J
8CN7	1	7.5	20	GH	**DE**F
	3	7.5	20	A	C**DE**
	3	7.5	20	B	C**DE**
8CM7	2	7.5	22	AH	**E**J
	2	7.5	24	FG	C**E**
8CG7	2	7.5	24	AB	C**D**
	2	7.5	24	FG	**D**H
8BQ5	3	7.5	20	**AB**GJ	C**D**
8BN8	1	7.5	18	GH	**D**J
	2	7.5	21	A	B**D**
8BH8	1	7.5	20	BC	A**E**
	2	7.5	20	GHJ	**E**F
8BA8	1	7.5	18	BC	A**E**
	2	7.5	20	GHJ	**E**F
8B10	1	9.45	20	H	J**M**
	1	9.45	20	K	J**M**
	2	9.45	21	CD	B**M**
	2	9.45	21	EF	G**M**
8AW8	3	7.5	24	BC	A**D**
	3	7.5	22	GHJ	**D**F

6D4	3	6.3	20	AG	**D**E
6D6	3	6.3	27	BCDN	E**F**
6D10	1	6.3	18	BL	C**M**
	1	6.3	18	EG	F**M**
	1	6.3	18	JK	D**M**
6DA4	3	6.3	21	E	C**G**
6DA5	1	6.3	22	AG	B**E**
Eye CL	4	6.3	0	**C**G**HJ**	AB**E**
Eye OP	4	6.3	0	**CHJ**	AB**E**G
6DA6	3	6.3	18	BGHJ	C**E**
6DB5*	3	6.3	20	A(**CF**)J	(**BG**)**D**
6DB6	1	6.3	18	AEFG	B**D**
6DC6	1	6.3	18	AEFG	B**D**
(No open element test on E & G)					
6DC8	2	6.3	22	ABFJ	C**E**
	1	6.3	36	G	C**E**
	1	6.3	36	H	C**E**
6DE4	4	6.3	22	E	C**H**
6DE6	2	6.3	20	AEFG	B**D**
(No open element test on E & G)					
6DE7	2	6.3	26	FG	**D**H
	3	6.3	22	A**BC**	**D**J
6DG6	3	6.3	20	CDE	**G**H
6DJ8	2	6.3	21	FG	**E**H
	2	6.3	21	AB	C**E**
6DK6	3	6.3	22	AEF	B**C**G
6DL5*	3	6.3	23	(**AG**)EF	B**D**
6DM4	3	6.3	22	E	C**H**
6DN6	3	6.3	17	EHN	C**G**
6DN7	3	6.3	24	AB	C**G**
	3	6.3	32	DE	F**G**
6DQ4	3	6.3	22	E	C**H**
6DQ5*	1	6.3	19	(**AE**)(**DH**)N	(**CF**)**G**
6DQ6	3	6.3	22	DEN	**G**H
6DR7	1	6.3	19	FG	**E**H
	3	6.3	16	A**BC**	**E**J
6DS4	1	6.3	18	BD	H**M**
6DS5	1	6.3	19	**A**EF**G**	B**D**
6DT5	3	6.3	22	A**CF**J	**E**G
6DT6	1	6.3	20	AEFG	B**D**
6DT8	3	6.3	20	AB	C**E**
	3	6.3	20	FG	**E**H
6DV4	2	6.3	19	**ABDF**	G**M**
6DW4	3	6.3	20	**BG**	**E**J
6DW5	1	6.3	22	A**CF**J	**E**G
6DX8	2	6.3	20	AB	C**E**
	3	6.3	20	HJ	**E**FG
6DZ4*	3	6.3	21	(**AG**)(**BF**)	**D**E
6DZ7	3	6.3	22	ACD	**G**H
	3	6.3	22	DEF	**G**H
(No open element test on C & F)					
6DZ8	1	6.3	20	AJ	**E**H
	3	6.3	20	CFG	B**E**
6E5	2	6.3	36	BC	E**F**
Eye OP	4	6.3	0	D	BCE**F**
Eye CL	4	6.3	0	BD	CE**F**
6EA5*	2	6.3	22	AEF	(**BG**)**C**
6EA7	1	6.3	22	DE	F**H**
	3	6.3	20	AB	C**H**
6EA8	2	6.3	20	AJ	**E**H
	2	6.3	20	BCF	**E**G
8AU8	2	7.5	22	BC	A**D**
	2	7.5	22	GHJ	**D**F
8AC9	1	9.45	19	B	C**M**
	1	9.45	19	**B**C	D**M**
	3	9.45	19	GJK	HL**M**
7Z4	3	6.3	34	C	G**H**
	3	6.3	34	F	G**H**
7Y4	3	6.3	33	C	G**H**
	3	6.3	33	F	G**H**
7W7*	2	6.3	24	BCF	(**DG**)E**H**
7V7	3	6.3	18	BCF	DG**H**
7S7	2	6.3	33	CD	G**H**
	2	6.3	23	BEF	G**H**
7Q7	2	6.3	25	CD	G**H**
	2	6.3	41	BEF	G**H**
7N7	2	6.3	26	CD	B**H**
	2	6.3	26	EF	G**H**
7HG8*	3	7.5	18	BJ	(**AC**)**E**H
	3	7.5	20	FG	(**AC**)**E**
7H7	2	6.3	24	BCF	DG**H**
7F8	2	6.3	22	AC	D**G**
	2	6.3	22	FH	E**G**
7F7	1	6.3	20	CD	B**H**
	1	6.3	20	EF	G**H**
7EY6	3	7.5	25	CDE	**B**H
7ED7	2	7.5	20	BGHJ	AC**E**
7E5*	2	6.3	34	(**AE**)(**CG**)	(**DF**)**H**
7C7	1	6.3	22	BCF	DG**H**
7C5	3	6.3	29	BCF	G**H**
7C4	2	6.3	33	D	G**H**
7B8	2	6.3	28	CD	G**H**
	2	6.3	34	BEF	G**H**
7B7	2	6.3	28	BCF	DG**H**
7B6*	2	6.3	25	BC	(**DG**)**H**
	1	6.3	58	E	(**DG**)**H**
	1	6.3	58	F	(**DG**)**H**
7B5	3	6.3	29	BCF	G**H**
7B4	1	6.3	22	BF	G**H**
7AU7	2	3.15	25	AB	C**DE**
	2	3.15	25	FG	**DE**H
7AK7	2	6.3	22	BCDF	G**H**
7AH7	2	6.3	21	BCDF	G**H**
7AG7	2	6.3	22	BCF	DEG**H**
7AF7	2	6.3	25	CD	**B**G**H**
	2	6.3	25	EF	B**GH**
7AD7	3	6.3	17	BCDF	EG**H**
7A8	2	6.3	35	CD	G**H**
	2	6.3	44	BEF	G**H**
7A7	3	6.3	28	BCF	DG**H**
7A6	1	6.3	28	C	B**H**
	1	6.3	28	F	G**H**
7A5	3	6.3	23	BCF	G**H**
7A4	2	6.3	24	BF	G**H**
6Z4	3	6.3	26	B	D**E**
	3	6.3	26	C	D**E**
6Y6	3	6.3	19	CDE	**G**H
6X8	2	6.3	20	GHJ	A**E**F
	2	6.3	21	BC	**E**F
(No open element test on J)					
6X5	3	6.3	32	C	**G**H
	3	6.3	32	E	**G**H

6EB5	3	6.3	38	G	A**D**
	3	6.3	38	B	**D**E
6EB8	1	6.3	20	BC	A**E**
	2	6.3	22	GHJ	**E**F
6EH5	3	6.3	20	**BE**FG	A**D**
6EH7*	2	6.3	21	BGHJ	**(AC)E**
6EH8*	3	6.3	20	BC	**(AF)E**
	3	6.3	20	GHJ	**(AF)E**

(No open element test on J)

6EJ7*	2	6.3	21	BGHJ	**(AC)E**
6EM5	3	6.3	18	A**CFJ**	**E**G
6EM7	3	6.3	19	AB	C**H**
	1	6.3	20	DE	F**H**
6ER5*	2	6.3	20	BEF	**(AG)D**
6ES5*	3	6.3	21	BE	**(AG)D**
6ES8	2	6.3	20	AB	C**E**
	2	6.3	20	FG	**E**H
6ET7	3	6.3	20	GHJ	**E**F

(No open element test on J)

	1	6.3	56	B	A**E**
	1	6.3	56	C	A**E**
6EU7	2	6.3	24	EF	**B**D
	2	6.3	24	GH	**B**J
6EU8	2	6.3	19	AGJ	**E**H
	2	6.3	19	BC	**E**F
6EV5*	2	6.3	22	AEF	**(BG)D**
6EV7	2	6.3	23	AB	C**E**
	2	6.3	23	FG	**E**H
6EW6	2	6.3	20	AEFG	B**D**
6EW7	3	6.3	19	A**BC**	**E**J
	3	6.3	30	FG	**E**H
6EX6	3	6.3	15	EHN	C**G**
6EY6	3	6.3	22	CDE	**B**H
6EZ5	3	6.3	21	CDE	**G**H
6EZ8	1	6.3	20	BC	A**D**
	1	6.3	20	FG	**D**
	1	6.3	20	HJ	**D**
6F5	1	6.3	20	DN	**G**H
6F6	3	6.3	32	CDE	**G**H
6F7	3	6.3	43	BCN	F**G**
	3	6.3	82	DE	F**G**
6F8	2	6.3	24	CN	D**G**
	2	6.3	24	EF	**G**H
6FD7*	1	6.3	21	FG	**E**H
	3	6.3	18	A**(BC)**	**E**J
6FG5*	3	6.3	20	AEF	**(BG)C**

(No open element test on E)

6FG6	1	6.3	28	AJ	C**E**
	4	6.3	100	**BF**G**H**	C**E**

(Good tube reads 8)

6FG7*	2	6.3	19	AB	**(CH)E**
	3	6.3	19	GJ	**(CH)E**F
6FH5*	2	6.3	21	BE	**(AG)D**
6FH6	3	6.3	15	DEN	**G**H

6X4	3	6.3	30	A	**D**G
	3	6.3	30	F	**D**G
6W6	3	6.3	21	CDE	**G**H
6W4	3	6.3	18	E	C**H**
6V6	3	6.3	29	CDE	A**G**H
6V4	3	6.3	26	A	C**E**
	3	6.3	26	G	C**E**
6V3	3	6.3	16	**BGJ**	**E**N
6U10	2	6.3	23	BL	C**M**
	2	6.3	23	JK	D**M**
	1	6.3	20	EG	F**M**
6U8	2	6.3	22	AJ	**E**H
	2	6.3	22	BCF	**E**G

(No open element test on F)

6U7	2	6.3	30	CDN	E**G**H
6U4	3	6.3	18	E	C**G**
6T10	1	6.3	21	CEFG	B**M**
	3	6.3	19	HK	JL**M**
6T9	1	6.3	19	BD	E**M**
	3	6.3	20	HKL	J**M**
6T8	1	6.3	20	A	**CE**G
	1	6.3	20	B	C**EG**
	1	6.3	20	F	**CE**G
	3	6.3	32	HJ	**CE**G
6T6M	2	6.3	22	CDN	**G**H
6T4*	2	6.3	20	**(AG)(BF)**	**C**E
6SS7	3	6.3	30	DFH	CE**G**
6SQ7	1	6.3	20	BF	C**G**
	1	6.3	40	D	C**G**
	1	6.3	40	E	C**G**
6SN7	2	6.3	26	AB	C**G**
	2	6.3	26	DE	F**G**
6SL7	3	6.3	28	AB	C**G**
	3	6.3	28	DE	F**G**
6SK7	3	6.3	30	DFH	CE**G**
6SJ7	2	6.3	27	DFH	CE**G**
6SH7*	2	6.3	20	DFH	**(CE)G**
6SG7*	3	6.3	19	DFH	**(CE)G**
6SF7	1	6.3	40	E	C**G**
	3	6.3	30	BDF	C**G**
6SF5	1	6.3	20	CE	B**G**
6SD7	3	6.3	23	DFH	CE**G**
6SC7	3	6.3	33	BC	F**G**
	3	6.3	38	DE	F**G**
6SB7Y	2	6.3	22	DE	AF**G**
	1	6.3	34	CDH	EF**G**
6SA7	2	6.3	24	DE	F**G**H
	2	6.3	28	CDH	AF**G**
6S7	2	6.3	28	CDN	E**G**H
6S4	3	6.3	24	**CF**J	B**E**
6R3	2	6.3	22	BJ	**D**N
6Q11	1	6.3	20	BL	C**M**
	1	6.3	20	EG	F**M**
	2	6.3	23	JK	D**M**

6FH8	2	6.3	33	AGHJ	**D**
	2	6.3	20	BC	**D**
	1	6.3	18	F	**D**
6FJ7	2	6.3	25	KL	J**M**
	3	6.3	21	CE	G**M**
6FM7*	3	6.3	19	(**CH**)E	G**M**
	1	6.3	20	KL	J**M**
6FM8	1	6.3	20	B	C**E**
	1	6.3	20	F	A**E**
	1	6.3	22	HJ	**E**G
6FQ5*	3	6.3	20	BE	(**AG**)**D**
6FQ7	2	6.3	23	AB	C**E**
	2	6.3	23	FG	**E**H
6FS5*	2	6.3	20	AF	(**BG**)**D**E
6FV6	2	6.3	20	AEF	**D**G

(No open element test on F)

6FV8	2	6.3	21	FGJ	**E**H
	2	6.3	21	AB	C**E**
6FW5	3	6.3	20	AEH	C**G**
6FY5	2	6.3	20	BE	**ADG**

(No element or short test on A & G)

6FY7	3	6.3	19	CE	G**M**
	1	6.3	21	KL	J**M**
6G6G	2	6.3	28	CDE	**B**H
6G11	1	6.3	20	CDFG	B**M**
	3	6.3	20	HKL	J**M**
6GA8	2	6.3	22	FG	**E**H
	2	6.3	22	AB	C**E**
6GC5*	3	6.3	21	(**AH**)(**CF**)J	**E**G
6GC6	2	6.3	21	**D**E**H**N	C**G**
6GD7*	3	6.3	19	AB	(**CH**)**E**
	3	6.3	19	GJ	(**CH**)**E**F
6GE5*	3	6.3	19	B(**CL**)G	(**DK**)**M**
6GF5*	3	6.3	19	B(**CL**)G	(**DK**)**M**
6GF7	3	6.3	18	BF	C**E**
	1	6.3	20	HJ	A**E**
6GH8	2	6.3	20	BCF	**E**G
	2	6.3	20	AJ	**E**H
6GJ5*	3	6.3	20	(**AG**)(**BF**)N	C**E**
6GJ7*	3	6.3	19	BG	(**AC**)**E**F
	3	6.3	20	HJ	(**AC**)**E**
6GK5	3	6.3	20	BE	**ADG**
6GK6*	2	6.3	20	BGH	A(**CJ**)**E**
6GL7	3	6.3	19	AB	C**H**
	1	6.3	20	DE	F**H**
6GM5	3	6.3	21	AFJ	**E**G
6GM6	2	6.3	20	AEF	B**D**G
6GM8	2	6.3	22	AB	C**E**
	2	6.3	22	FG	**E**H
6GN8	1	6.3	19	BC	A**E**
	3	6.3	19	GH	**E**FJ
6GT5*	3	6.3	19	(**AG**)(**BF**)J	C**E**
6GU5*	1	6.3	19	A	(**BG**)**D**
	1	6.3	29	EF	(**BG**)**D**
6GU7	3	6.3	22	AB	C**E**
	3	6.3	22	FG	**E**H
6GV5*	3	6.3	19	**CGL**(**EJ**)N	(**DK**)**M**
6GV8	1	6.3	19	AB	C**E**
	3	6.3	20	FGJ	**E**H

6P5	2	6.3	30	CE	**G**H
6N7	3	6.3	29	CD	**G**H
	3	6.3	29	EF	**G**H
6ME5	2	6.3	29	AB	**D**G
Eye CL	4	6.3	0	BE	A**D**G
Eye OP	4	6.3	0	E	AB**D**G
6M11	3	6.3	18	BC	KL**M**
	2	6.3	19	EF	D**M**
	2	6.3	19	GH	J**M**
6LU8*	1	6.3	18	BK	L**M**
	3	6.3	18	D(**FG**)H	J**M**
6LJ8*	3	6.3	21	AB	(**CH**)**E**
	3	6.3	19	GJ	(**CH**)**E**F
6LB8	2	6.3	25	BC	A**E**
	3	6.3	18	GH	**E**FJ
6L7	2	6.3	26	CEN	**G**H
	2	6.3	56	D	**G**H
6L6	3	6.3	27	CDE	**G**H
6L5	2	6.3	26	CE	**G**H
6KZ8	3	6.3	19	AJ	**E**H
	3	6.3	20	BG	C**E**F
6KT8	1	6.3	19	BC	A**E**
	3	6.3	20	GH	**E**FJ
6KS8	1	6.3	20	BC	A**E**
	3	6.3	19	GH	**E**FJ

(F may show leakage)

6KD8	2	6.3	20	AJ	**E**H
	2	6.3	20	BCF	**E**G

(No open element test on F)

6KA8	2	6.3	21	AB	C**E**
	3	6.3	19	FGHJ	C**E**
6K11	1	6.3	20	EG	F**M**
	1	6.3	20	BL	C**M**
	2	6.3	23	JK	D**M**
6K7	2	6.3	32	CDN	E**G**H
6K6	3	6.3	34	CDE	**G**H
6K5	1	6.3	20	CN	**G**H
6JZ8*	1	6.3	21	BK	L**M**
	3	6.3	20	D(**FG**)H	J**M**
6JV8	1	6.3	19	BC	A**E**
	3	6.3	18	GH	**E**FJ
6JU8	3	6.3	22	A	B**E**
	3	6.3	22	**A**B	C**E**
	3	6.3	22	G	**E**H
	3	6.3	22	**G**H	**E**J
6JT8	1	6.3	19	BC	A**E**
	3	6.3	18	GH	**E**FJ
6JN8	3	6.3	19	AB	C**E**
	3	6.3	20	GJ	**E**FH
6JL6	3	6.3	18	AF	B**D**
	3	6.3	32	EG	B**D**
6JK8	2	6.3	19	AB	C**E**
	2	6.3	20	FG	**E**H
6JK6	3	6.3	18	AF	B**D**
	3	6.3	33	EG	B**D**
6JH8	2	6.3	30	ABCJ	**D**G
	3	6.3	23	CF	**D**G
6JH6	3	6.3	18	AF	B**D**
	1	6.3	48	EG	B**D**

6GW6	3	6.3	20	DEN	**G**H
6GW8	1	6.3	20	AJ	B**E**
	3	6.3	20	CFH	**E**G
6GX6	1	6.3	19	A	B**D**
	1	6.3	21	EFG	B**D**
6GX7*	2	6.3	20	BG	(**AC**)**E**F
	3	6.3	21	HJ	(**AC**)**E**
6GY5*	3	6.3	18	(**CGL**)(**EJ**)N	(**DK**)**M**
6GY6	3	6.3	19	AEFG	B**D**
6GY8	1	6.3	26	AB	**E**
	1	6.3	19	CJ	**E**H
	1	6.3	22	F	**E**G
(No open element test on B & C)					
6GZ5	3	6.3	19	**BE**F	A**D**G
6H6	1	6.3	25	C	D**G**
	1	6.3	25	E	**G**H
6HA5	3	6.3	18	AE	**BDG**
(Tube damaged if B or G is moved)					
6HB5*	3	6.3	18	B(**CL**)G	(**DK**)**M**
6HB6*	3	6.3	18	B(**FH**)	A**E**
	1	6.3	24	(**CJ**)G	A**E**
6HC8	3	6.3	23	CFG	B**E**
	3	6.3	26	AJ	**E**H
6HD5*	3	6.3	19	(**CL**)(**EJ**)G	(**DK**)**M**
6HE5*	3	6.3	21	(**BJ**)(**CK**)F	(**DL**)**M**
6HE7	1	6.3	19	B	D**M**
	3	6.3	18	EJL	H**M**
6HF5*	3	6.3	19	**C**(**EJ**)**FHL**N	(**DK**)**M**
6HF8	1	6.3	19	BC	A**E**
	3	6.3	19	GH	**E**FJ
6HG8*	3	6.3	18	BJ	(**AC**)**E**H
	3	6.3	20	FG	(**AC**)**E**
6HJ8	1	6.3	19	H	**E**G
	3	6.3	19	BC	A**E**
	3	6.3	28	CFJ	A**E**
6HK5	3	6.3	18	AE	**BDG**
(Tube damaged if B or G is moved)					
6HL8	2	6.3	20	AJ	**E**H
	3	6.3	19	BC	**E**FG
6JE8	2	6.3	20	BC	A**E**
	3	6.3	19	GHJ	**E**F
6JE6*	3	6.3	19	(**AG**)(**BF**)HN	C**E**
6JD6	3	6.3	19	BH	**ACE**G
(No element or short test on A & C)					
6JC8*	2	6.3	20	BCF	(**AG**)**E**
(No open element test on F)					
	2	6.3	20	HJ	(**AG**)**E**
6JC6	3	6.3	19	BH	**ACE**G
(No element or short test on A & C)					
6JB6*	3	6.3	19	(**AG**)(**BF**)HN	C**E**
6JA8	2	6.3	20	BC	A**E**
	3	6.3	19	GH	**E**FJ
6J11	3	6.3	18	BE	CDF**M**
	3	6.3	18	GL	HJK**M**
6J10	4	6.3	68	DEFG	H**M**
	3	6.3	20	BJL	C**M**
6J9	2	6.3	20	AB	C**E**
	2	6.3	20	FJ	**E**K
	2	6.3	20	GH	**E**K
6J7	2	6.3	29	CDN	AE**G**H
6J6	1	6.3	18	AF	**D**G
	1	6.3	18	BE	**D**G
6J5	2	6.3	24	CE	**G**H
6J4	2	6.3	20	**AEF**G	B**D**
6HZ8	2	6.3	21	BC	A**E**
	3	6.3	19	GH	**E**FJ
6HZ6	1	6.3	19	A	B**D**
	1	6.3	21	EFG	B**D**
6HW8	3	6.3	22	CF	AB**E**GHJ
6HS8	2	6.3	24	BHJ	A**E**
	2	6.3	21	CFG	A**E**
6HS6	1	6.3	19	A	**D**G
	1	6.3	21	BEF	**D**G
6HM6	3	6.3	19	BH	**ACE**
	1	6.3	34	GJ	**ACE**
6HM5	3	6.3	18	AE	**BDG**
(Tube damaged if B or G is moved)					

CONTINUED AT BOTTOM OF NEXT COLUMN. →

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

STOP **STOP**