

CONAR 221 - 224

SUPPLEMENTARY TUBE CHART

This Supplementary Chart provides settings for tubes which fall into one or more of the following classifications:

1. Infrequently encountered types;
2. Obsolete types;
3. Tubes manufactured for special or limited applications.
4. Foreign types.

The Roll Chart provides test settings for all other receiving type tubes most commonly encountered in the radio field.

KEY TO LETTER ABBREVIATIONS INDICATING TUBE SECTION UNDER TEST

a Amp.	h Heptode	o Output	r Rectifier	te Tetrode
d Diode	he Hexode	p Plate	s Section	to Total
e Eye	I Input	pe Pentode	t Triode	

Tube	A	B	C	D	Cath. Short	Test	Tube	A	B	C	D	Cath. Short	Test	
OY4	4	18		12	7-8	5	1C6	to	2	3	1	22	2-3-4-5-10	
	(OY4 - Cont. Test - 7-8)							t	2	3	1	24	3-4	
O1A	2	7	1	22		2-3	1C7	to	1	3	2	10	3-4-5-6-10	
1A3	d	1	2	1	16	3	t	2	3	2	26		5-6	
	(1A3 - must show short on 2)							1C8	2	2	4	26	2-6-7-8	
1A4	2	3	1	24		2-3-10	1C21	2	18		18	2	5	
1A5	2	2	2	20		3-4-5	1D3	2	2	4	16		1-8	
1A6	to	1	3	1	10	2-3-4-5-10	1D5	2	3	2	22		3-4-10	
	t	2	3	1	30	3-4	1D7	to	1	3	2	10	3-4-5-6-10	
1A7	to	1	2	2	10	3-4-5-6-10	t	1	3	2	10		5-6	
	t	1	2	2	12	5-6	1D8	d	1	2	2	16		8
1AB5	2	2	1	20		2-3-6	t	2	2	2	28		6-10	
	(1AB5 - Cont. Test 7-8)							pe	2	2	2	20		3-4-5
1AB6	2	2	7	20		2-3-4-5-6	1E5	1	3	2	10		3-4-10	
1AC5	2	2	4	20		2-7-8	1E7	pe	2	3	2	20		3-4-8
1AC6	a	2	2	7	16	2-3-4-5-6	pe	2	3	2	20		5-6-8	
	o	2	2	7	20	3-4-5	1E8	2	2	4	22		2-6-7-8	
1AD4	2	2	5	16		1-2-4	t	2	2	4	22		2-7	
1AD5	2	2	4	20		2-7-8	1F4	3	3	1	34		2-3-5	
1AE4	2	2	7	16		2-3-6	1F5	2	3	2	20		3-4-5	
	(1AE4 - Cont. Test - 1-5)							1F6	d	1	3	1	16	4
1AF4	2	2	7	18		2-3-6	d	1	3	1	16		5	
	(1AF4 - Cont. Test - 1-5)							pe	1	3	1	10		2-3-10
1AF5	2	2	1	20		3-4-5-6	d	1	3	2	16		4	
1AG4	2	2	3	20		1-2-4	d	1	3	2	16		5	
1AG5	pe	2	2	4	24	1-2-5	pe	1	3	2	10		3-6-10	
	d	1	2	4	14	3	1G4	1	2	2	10		3-5	
1AH4	2	2	3	18		1-2-4	1G5	2	3	2	20		3-4-5	
1AJ5	pe	2	2	4	26	1-2-5	1G6	t	1	2	2	10		3-4
	d	1	2	4	12	3	t	1	2	2	10		5-6	
1AK4	1	2	3	28		1-2-4	1H2	1	2	2-5-8	88		10	
1AK5	pe	1	2	4	42	1-2-5		(1H2 - Cont. Test - 1-2-4-5-6-8-9)						
	d	1	2	4	20	3		(1H2 - tube OK above 30 on meter scale)						
1B4	2	3	1	24		2-3-10	1H4	2	3	2	24		3-5	
1B5	t	1	3	1	10	2-5	1H6	d	1	3	2	22		4
	d	1	3	1	18	3	d	1	3	2	22		5	
	d	1	3	1	18	4	t	1	3	2	10		3-6	
1B7	to	2	2	2	20	3-4-5-6-10	1J5	2	3	2	20		3-4-5	
	t	2	2	2	24	5-6	1J6	t	2	3	2	20		3-4
1C3	2	2	1	20		2-6-4	t	2	3	2	20		5-6	
	(1C3 - Ignore Glow on 2)							1L4	2	2	7	22		2-3-6
	(1C3 - Cont. Test - 2-6)								(1L4 - Cont. Test - 1-5)					

Tube	A	B	C	D	Cath. Short	Test	Tube	A	B	C	D	Cath. Short	Test		
6SR7	t	2	8	7	16	3	2-6	7AF7	t	2	8	1	16	2	3-4
	d	1	8	7	16		5		t	2	8	1	16	7	5-6
	d	1	8	7	16		4	7AG7		2	8	1	14	7	2-3-4-6
6SS7		3	8	2	22	5	3-4-6-8	7AH7		2	8	1	14	7	2-3-4-6
6ST7	t	2	8	7	16	3	2-6	7AJ7		3	8	1	18	7	2-3-4-6
	d	1	8	7	16		5	7AK7		3	8	1	16	7	2-3-4-6
	d	1	8	7	16		4	7AN7	t	2	9	4	12	7-8	6-9
6SU7	t	2	8	7	16	3	1-2		t	2	9	4	12	1	2-3
	t	2	8	7	16	6	4-5	(7AN7 - Cont. Test - 7-8)							
6SV7	pe	2	8	7	14	3	2-4-6	7B4		1	8	1	8	7	2-6
	d	2	8	7	16		5	7B5		3	8	1	24	7	2-3-6
6SZ7	t	1	8	7	8	3	2-6	7B6	t	2	8	1	16	4-7	2-3
	d	1	8	7	16		5		d	1	8	1	16		5
	d	1	8	7	16		4		d	1	8	1	16		6
6T4		2	8	3	12	5	1-7-2-6	(7B6 - Cont. Test - 4-7)							
	(6T4 - Ignore Glow on 1-2)							7B7		2	8	1	16	7	2-3-4-6
	(6T4 - Cont. Test - 1-2-6-7)							7B8		2	8	1	14	7	2-3-4-5-6
6T5	t	2	8	1	20	5	2-3	7C4	d	1	8	1	10	7	4
	e	4	8	1	0		2-4	7C5		3	8	1	18	7	2-3-6
	(6T5 - See Instructions for Eye Test)							7C6	t	3	8	1	26	4-7	2-3
6T7	t	2	8	2	16	8	3-10		d	1	8	1	16		5
	d	1	8	2	16		5		d	1	8	1	16		6
	d	1	8	2	16		4	(7C6 - Cont. Test - 4-7)							
6U4		3	8	7	16	3	5	7C7		1	8	1	8	7	2-3-4-6
6U6		3	8	2	18	8	3-4-5	7DJ8	t	2	8	4	12	8	6-7
6U7		2	8	2	16	8	3-4-5-10		t	2	8	4	12	3	1-2
6V4	p	4	8	4	14	3	1	7E5		2	8	2	14	4-6	1-5-3-7
	p	4	8	4	14		7	(7E5 - Ignore Glow on 1-3)							
6V7	t	3	8	2	28	8	3-10	(7E5 - Cont. Test - 1-3-4-5-6-7)							
	d	1	8	2	16		4	7E6	t	2	8	1	16	4-7	2-3
	d	1	8	2	16		5		d	1	8	1	18		5
6V8	t	2	8	4	16	3	1-6		d	1	8	1	18		6
	d	1	8	4	12		9	(7E6 - Cont. Test - 4-7)							
	d	1	8	4	8	8	7	7E7	pe	3	8	1	26	7	2-5-6
	d	1	8	4	8		2		d	1	8	1	18		3
6W5	p	4	8	2	14	8	3		d	1	8	1	18		4
	p	4	8	2	14		5	7ES8	t	2	9	4	10	8	6-7
6W7		1	8	2	8	8	3-4-5-10		t	2	9	4	10	3	1-2
6X2		4	8	2	30		10	7F7	t	1	8	1	8	2	3-4
	(6X2 - Connect 2 bottom leads to contacts 1 and 2 of octal socket. Top lead connect to grid cap.)								t	1	8	1	8	7	5-6
6Y5	p	4	8	1	14	4	3	7F8	t	2	8	2	14	4	1-3
	p	4	8	1	14		5		t	2	8	2	14	5	6-8
6Y6		3	8	2	16	8	3-4-5	7G7		2	8	1	14	7	2-3-4-6
6Y7	t	3	8	2	20	8	3-4	7G8	s	2	8	1	14	6	3-5-7
	t	3	8	2	20		5-6		s	2	8	1	14		2-3-4
6Z3		3	8	1	18	3	2	7GV7	t	2	9	4	16	6-8	1-9
6Z5	p	4	8	1	14	4	3		pe	2	9	4	16		2-3-7
	p	4	8	1	14		5	(7GV7 - Cont. Test - 6-8)							
6Z6	p	4	8	2	14	8	3	7H7		2	8	1	14	7	2-3-4-6
	p	4	8	2	14	4	5	7J7	h	2	8	1	14	7	2-5-6
6Z7	t	3	8	2	20	8	3-4		t	2	8	1	16		3-4
	t	3	8	2	20		5-6	7K7	t	1	8	1	8	2	3-4
6ZY5	p	4	8	2	14	8	3		d	1	8	1	18	7	5
	p	4	8	2	14		5		d	1	8	1	18		6
7A4		3	8	1	18	7	2-6	7L7		2	8	1	14	7	2-3-4-6
7A5		3	8	1	16	7	2-3-6	7N7	t	2	8	1	16	2	3-4
7A6	d	1	8	1	10	2	3		t	2	8	1	16	7	5-6
	d	1	8	1	10	7	6	7Q7		2	8	1	14	7	2-3-4-5-6
7A7		3	8	1	20	7	2-3-4-6	7R7	pe	2	8	1	14	7	2-5-6
7A8		2	8	1	16	7	2-3-4-5-6		d	1	8	1	16		3
7AD7		3	8	1	16	7	2-3-4-6		d	1	8	1	16		4
								7S7	he	2	8	1	14	7	2-5-6
									t	2	8	1	18		3-4
								7T7		2	8	1	14	7	2-3-4-6

Tube	A	B	C	D	Cath. Short	Test	Tube	A	B	C	D	Cath. Short	Test		
7V7	3	8	1	16	7	2-3-4-6	12BW4	p	4	11	4	14	9	7	
7W7	2	8	1	14	4-7	2-3-5-6	p	4	11	4	14		1		
	(7W7 - Cont. Test - 4-7)							12BX6	2	11	4	14	1-3	2-7-8	
7X6	p	4	8	1	12	2	3	(12BX6 - Cont. Test 1-3)							
	p	4	8	1	12	7	6	12DK7	te	2	11	4	12	2	1-8-3-7
7X7	t	1	8	1	10	4	2-3	d	1	11	4	12		6	
	d	1	8	1	16	4	5	d	1	11	4	12		9	
	d	1	8	1	16	7	6	(12DK7 - Ignore Glow on 1)							
7Y4	p	4	8	1	14	7	3	(12DK7 - May Show Short on 1-8)							
	p	4	8	1	14		6	12DL8	te	1	11	4	8	2	3-6-7
7Z4	p	4	8	1	14	7	3	d	1	11	4	12	8	1	
	p	4	8	1	14		6	d	1	11	4	12		9	
8A8	t	2	9	4	14	8	1-9	12DT8	t	2	11	4	14	8	6-7
	pe	2	9	4	14	7	2-3-6	t	2	11	4	14	3	1-2	
8SN7	t	2	9	7	16	3	1-2	12EH5	2	11	3	14	1	2-5-6-7	
	t	2	9	7	16	6	4-5	(12EH5 - Ignore Glow on 2)							
9JW8	t	2	10	4	18	8	1-9	(12EH5 - Cont. Test - 2-5)							
	pe	2	10	4	16	7	2-3-6	12EH8	pe	3	11	4	14	1-6	7-8-9
10		3	9	1	32		2-3	t	3	11	4	14		2-3	
10C8	t	2	10	4	14	3	1-2	(12EH8 - Cont. Test - 1-6)							
	pe	2	10	4	14	9	6-7-8	12EQ7	d	1	11	4	20	3	8
11C5		3	11	3	16	1	2-5-6-7	pe	2	11	4	14		1-2-6-7	
	(11C5 - Ignore Glow on 2)							12F5	1	11	2	8	8	4-10	
	(11C5 - Cont. Test - 2-5)							12FQ8	pe	2	11	4	14	9	6-7-8
12A		3	7	1	20		2-3	pe	2	11	4	14		1-2-3	
12A4		2	8	3	12	1	2-7-9	12G4	3	11	3	18	7	1-5-6	
	(12A4 - Ignore Glow on 2)							(12G4 - Ignore Glow on 1)							
	(12A4 - Cont. Test - 2-4-5-7)							(12G4 - Cont. Test - 1-5)							
12A5		3	8	6	22	5	2-3-4	12G8	t	2	8	9	14	7	6-8
	(12A5 - Cont. Test - 1-7)							t	2	8	9	14	2	1-3	
12A6		3	11	2	22	8	3-4-5	(12G8 - Cont. Test - 4-5)							
12A7	pe	2	11	1	18	6	2-3-10	12GA6	2	11	3	14	2	1-5-6-7	
	r	3	11	1	18	4	5	12GC6	2	11	2	14	3	4-5-8-9	
12A8		2	11	2	16	8	3-4-5-6-10	(12GC6 - Ignore Glow on 4)							
	t	2	11	2	16		5-6	(12GC6 - Cont. Test - 4-8)							
12AB5		3	11	4	20	7	1-8-3-6-9	12H4	3	8	2	18	7	1-5-6	
	(12AB5 - Ignore Glow on 1-3)							(12H4 - Ignore Glow on 1)							
	(12AB5 - Cont. Test - 1-3-6-8)							(12H4 - Cont. Test - 1-3-4-5)							
12AC5		2	11	1	14	3-7	2-5-6	12H6	d	1	11	2	10	4	3
	(12AC5 - Cont. Test - 3-7)							d	1	11	2	10	8	5	
12AC6		3	11	3	20	7	1-2-5-6	12J5	2	11	2	16	8	3-5	
12AD7	t	3	8	9	20	8	6-7	12J7	2	11	2	16	8	3-4-5-10	
	t	3	8	9	20	3	1-2	12J8	te	3	11	4	16	2	1-3-6
	(12AD7 - Cont. Test - 4-5)							d	1	11	4	8	7	9	
12AF3		1	11	4	10	10	2-9	d	1	11	4	8		8	
	(12AF3 - Ignore Glow on 2)							12K5	1	11	3	8	1	2-5-6-7	
	(12AF3 - Cont. Test - 2-9)							(12K5 - Ignore Glow on 5)							
12AH7	t	3	11	7	22	2	1-3	(12K5 - Cont. Test - 5-6)							
	t	3	11	7	22	4	5-6	12K7	2	11	2	16	8	3-4-5-10	
12AJ6	t	2	11	3	16	2	1-7	12K8	t	3	11	2	18	8	5-6
	d	1	11	3	12		6	h	3	11	2	18		3-4-5-10	
	d	1	11	3	16		5	12L6	3	11	2	18	8	3-4-5	
12AL5	d	1	11	3	8	1	7	12L8	pe	3	11	6	22	2	3-4-5
	d	1	11	3	8	5	2	pe	3	11	6	22		1-5-8	
12AV5		3	11	2	18	3	1-5-8	12Q7	t	3	11	2	22	8	3-10
12AV6	t	3	11	3	24	2	1-7	d	1	11	2	16		4	
	d	1	11	3	16		6	d	1	11	2	16		5	
	d	1	11	3	16		5	12S8	t	3	11	7	22	2	6-10
12AW6		2	11	3	14	2	1-5-6-7	d	1	11	7	16	5	3	
12B7		2	11	1	16	7	2-3-4-6	d	1	11	7	16		4	
12B8	t	3	11	2	18	6	5-8	d	1	11	7	16		1	
	pe	2	11	2	14	1	3-4-10	(12S8 - May show short on 2)							
12BA7		3	11	4	16	3	1-2-6-7-9	12SA7	3	11	2	20	6	3-4-5-8	

Tube	A	B	C	D	Cath. Short	Test	Tube	A	B	C	D	Cath. Short	Test		
12SC7	t	3	11	7	22	6	2-3	14R7	pe	2	11	1	14	7	2-5-6
	t	3	11	7	22		4-5	d	1	11	1	16		4	
12SF5		1	11	7	8	2	3-5	d	1	11	1	16		3	
12SF7	pe	3	11	7	24	3	2-4-6	14S7	t	2	11	1	16	7	3-4
	d	1	11	7	16		5	he	2	11	1	14		2-5-6	
12SG7		3	11	2	18	3-5	4-6-8	14W7		2	11	1	14	4-7	2-3-5
	(12SG7 - Cont. Test - 3-5)							(14W7 - Cont. Test 4-7)							
12SH7		2	11	2	14	3-5	4-6-8	14X7	t	1	11	1	8	4	2-3
	(12SH7 - Cont. Test - 3-5)							d	1	11	1	14		5	
12SJ7		2	11	2	14	5	3-4-6-8	d	1	11	1	14	7	6	
12SK7		3	11	2	20	5	3-4-6-8	14Y4	p	4	11	1	14	7	3
12SL7	t	3	11	7	22	6	4-5	p	4	11	1	14		6	
	t	3	11	7	22	3	1-2	15		2	3	1	24	4	2-3-10
12SR7	t	2	11	7	16	3	2-6	15DQ8	t	2	11	4	16	3	1-2
	d	1	11	7	18		4	pe	2	11	4	16	1	6-8-9	
	d	1	11	7	18		5	17		3	11	1	24	4	2-3
12SW7	t	3	11	7	26	3	2-6	17C5		3	12	3	16	1	2-5-6-7
	d	1	11	7	16		4	(17C5 - Ignore Glow on 2)							
	d	1	11	7	16		5	(17C5 - Cont. Test - 2-5)							
12Z3		4	11	1	12	3	2	17C8	pe	2	12	4	16	3	1-2-6-9
12Z5	p	4	8	4	14	3	2	d	1	12	4	14		8	
	p	4	8	4	14	5	6	d	1	12	4	14		7	
	(12Z5 - Cont. Test - 1-7)							17CA5		3	12	3	16	1	2-5-6-7
13CM5		3	11	2	16	3-8	1-4-5-10	(17CA5 - Ignore Glow on 2)							
	(13CM5 - Ignore Glow on 1)							(17CA5 - Cont. Test 2-5)							
	(13CM5 - Cont. Test - 3-8)							18		2	11	1	16	5	2-3-4
14A4		2	11	1	16	7	2-6	18GV8	t	2	12	4	14	3	1-2
14A5		3	11	1	22	7	2-3-6	pe	3	12	4	14	8	6-7-9	
14A7		3	11	1	20	7	2-3-4-6	19	t	3	3	1	30		2-3
14AF7	t	2	11	1	16	7	8-6	t	3	3	1	30		4-5	
	t	2	11	1	16	2	3-4	19AQ5		3	12	3	20	2	1-7-5-6
14B6	t	1	11	1	8	4-7	2-3	(19AQ5 - Ignore Glow on 1)							
	d	1	11	1	16		5	(19AQ5 - Cont. Test - 1-7)							
	d	1	11	1	16		6	19X8	t	2	12	4	14	6	2-3
	(14B6 - Cont. Test - 4-7)							pe	2	12	4	14		1-7-8-9	
14B8		2	11	1	14	7	2-3-4-5-6	20		2	5	1	24		2-3
14C5		3	11	1	18	7	2-3-6	22		2	5	1	32		2-3-10
14C7		2	11	1	14	7	2-3-4-6	22AL3		2	12	4	12	10	3-8-9
14E6	t	3	11	1	24		2-3	(22AL3 - Ignore Glow on 3-8)							
	d	1	11	1	18		5	(22AL3 - Cont. Test - All pins)							
	d	1	11	1	18		6	24		3	4	1	24	5	2-3-10
	(14E6 - Cont. Test 4-7)							25A6		3	13	2	20	8	3-4-5
14E7	pe	3	11	1	26	7	2-5-6	25A7	pe	2	13	2	16	8	3-4-5
	d	1	11	1	18		3	r	3	13	2	16	1	6	
	d	1	11	1	18		4	25AC5		3	13	2	22	8	3-5
14F7	t	1	11	1	8	7	5-6	25AV5		3	13	2	16	3	1 5 8
	t	1	11	1	8	2	3-4	25B5		3	13	1	26	5	2-3-4
14F8	t	2	11	2	14	5	6-8	25B6		3	13	2	18	8	3-4-5
	t	2	11	2	14	4	2-4	25B8	t	2	13	2	14	6	5-8
14GT8	t	2	11	4	16	7	8-9	pe	3	13	2	16	1	3-4-10	
	d	1	11	4	8	3	2	25C5		3	13	3	16	1	2-5-6-7
	d	1	11	4	8	1	6	(25C5 - Ignore Glow on 2)							
14H7		2	11	1	14	7	2-3-4-6	(25C5 - Cont. Test - 2-5)							
14J7	t	2	11	1	16	7	3-4	25C6		3	13	2	16	8	3-4-5
	h	2	11	1	14		2-5-6	25CA5		3	13	3	16	1	2-5-6-7
14K7	t	2	11	1	16	7	3-4	(25CA5 - Ignore Glow on 2)							
	he	2	11	1	14		2-4-5-6	(25CA5 - Cont. Test - 2-5)							
14L7	t	2	11	1	16	7	2-3	25Y5		4	13	1	14	4	5
	d	1	11	1	18		6	p	4	13	1	14	3	2	
	d	1	11	1	18		5	25Z3		3	13	2	18	8	5
14N7	t	1	11	1	8	7	5-6	25Z4		3	13	2	18	8	5
	t	1	11	1	8	2	3-4	25Z5	p	4	13	1	12	4	5
14Q7		2	11	1	14	7	2-3-4-5-6	p	4	13	1	12	3	2	
								25Z6	p	4	13	2	12	8	5
								p	4	13	2	12	4	3	

Tube	A	B	C	D	Cath. Short	Test	Tube	A	B	C	D	Cath. Short	Test		
26	2	2	1	20		2-3	46	3	4	1	24		2-3-5		
26A6	3	13	3	16	7	1-2-5-6	47	3	4	1	24		2-3-5		
26A7	pe	2	13	6	14	2	1-5-8	48	3	14	1	18	5	2-3-4	
	pe	2	13	6	14		49	2	3	1	22		2-3-5		
26BK6	c	3	13	3	18	2		50	3	9	1	32		2-3	
	d	1	13	3	12			50A5	3	15	1	16	7	2-3-6	
	d	1	13	3	12			50B5	3	15	3	16	2	1-7-5-6	
26C6	t	2	13	3	16	2			(50B5 - Ignore Glow on 1)						
	d	1	13	3	18				(50B5 - Cont. Test - 1-7)						
	d	1	13	3	18			50BK5	2	15	4	14	6	3-7-1-8	
26D6	to	2	13	3	14	2			(50BK5 - Ignore Glow on 3)						
	t	2	13	3	14				(50BK5 - Cont. Test - 3-7)						
26E6		3	13	2	18	8		50C6	2	15	2	12	8	3-4-5	
26Z5	p	4	11	9	14	8		50X6	p	4	15	1	12	2	3
	p	4	11	9	14	3			p	4	15	1	12	7	6
	(26Z5 - Cont. Test - 4-5)							50Y6	p	3	15	2	16	4	3
27		2	4	1	18	5			p	3	15	2	16	8	5
28D7	a	2	13	1	14	4		50Y7	p	3	15	2	16	4	3
	s	2	13	1	14				p	3	15	2	16	8	5
28Z5	p	4	11	4	14	7			(50Y7 - Cont. Test - 6-7)						
	p	4	11	4	14			50Z7	p	3	15	2	18	4	3
	(28Z5 - Cont. Test - 1-8)								p	3	15	2	18	8	5
30		2	3	1	24				(50Z7 - Cont. Test - 6-7)						
31		2	3	1	20			52	3	8	1	20		2-3-4	
31A3		3	14	1	16			53	t	3	4	1	24	4	2-3
32		2	3	1	20				t	3	4	1	24		5-6
32ET5		2	14	3	16			55	t	2	4	1	18	3	2-10
	(32ET5 - Cont. Test - 2-5)								d	1	4	1	16		3
32L7	a	3	14	2	18	8			d	1	4	1	16		4
	r	3	14	2	18	1				2	4	1	16	5	2-3
33		3	3	1	28			56A		2	8	1	16	4	2-3
34		2	3	1	22			57		2	4	1	16	5	2-3-4-10
34GD5		2	14	3	14	1		57A		2	8	1	16	5	2-3-4-10
	(34GD5 - Ignore Glow on 2)							58		3	4	1	22	5	2-3-4-10
	(34GD5 - Cont. Test - 2-5)							58A		3	8	1	22	5	2-3-4-10
35		2	4	1	18	5		59		3	4	1	20	6	2-3-4-5
35A5		3	14	1	20	7		60FX5		2	15	3	14	1	2-5-6-7
35Y4		3	14	8	16	7			(60FX5 - Ignore Glow on 2)						
	(35Y4 - Cont. Test - 1-4)								(60FX5 - Cont. Test - 2-5)						
35Z3		3	14	1	16	7		RK-61		2	2	2	20		1-3
35Z4		3	14	2	16	8		KT-66		2	8	2	14	8	3-4-5
35Z6	p	4	14	2	12	4		HY-69		2	8	1	18		2-3-10
	p	4	14	2	12	8		70A7	a	2	16	2	14	8	3-4-5
36		2	8	1	18	5			r	2	16	2	14	1	
37		3	8	1	30	5			(70A7 - Rect. Test - See Instructions)						
38		3	8	1	30	4			(70A7 - Cont. Test - 6-7)						
38A3		2	14	4	14	3		70L7	a	3	16	2	16	6	3-4-5
	(38A3 - Ignore Glow on 1-6)								r	3	16	2	16	1	8
39		2	8	1	14	5		71		3	7	1	26		2-3
40		2	7	1	18			75	t	1	8	1	8	5	2-10
41		3	8	1	20	5			d	1	8	1	18		3
42		3	8	1	22	5			d	1	8	1	18		4
43		3	13	1	20	5		76		2	8	1	16	5	2-3
45		3	4	1	26			77		2	8	1	16	5	2-3-4-10
45A5		2	15	1	14	3-7		78		2	8	1	16	5	2-3-4-10
	(45A5 - Cont. Test - 3-7)							79	t	3	8	1	20	4	2-3
45B5		2	14	4	14	3			t	3	8	1	20		5-10
	(45B5 - Cont. Test - 1-2-6-8-9)							80	p	4	7	1	14		2
	(45B5 - Ignore Glow on 1-6)								p	4	7	1	14		3
45Z3		3	15	1	18	4		81		4	9	1	18		2
	(45Z3 - Ignore Glow on 2)							82	p	4	4	1	14		2
	(45Z3 - Cont. Test - 2-6)								p	4	4	1	14		3
45Z5		3	15	7	16	8		83	p	4	7	1	14		2
	(45Z5 - Cont. Test - 2-3)								p	4	7	1	14		3

Tube	A	B	C	D	Cath. Short	Test	Tube	A	B	C	D	Cath. Short	Test
1203	1	8	1	10	7	4	1851	3	8	2	14	8	3-4-5-10
1206 s	3	8	1	20	6	3-5-7	1852	3	8	2	14	5	3-4-6-8
s	3	8	1	18		2-3-4	1853	3	8	2	16	5	3-4-6-8
1221	3	8	1	22	5	2-3-4-10	5516	3	4	2-7	20		3-5-10
1222A	3	8	1	18	7	2-3-4	(5516 - Cont. Test - 1-4-6)						
1223	3	8	1	22	8	3-4-5-10	CK-5517	4	1		22	1-2-6-7	10
1229	3	3	1	38		2-3-10	(CK-5517 - Cont. Test - 1-2-6-7)						
1231	3	8	1	16	7	2-3-4-6	5590	2	8	3	18	2-7	1-5-6
1232	3	8	1	16	7	2-3-4-6	(5590 - Cont. Test - 2-7)						
HY-1269	3	8	4	22		2-3-10	5603	3	8	2	18		3-4-6-8
(HY-1269 - Cont. Test - 1-5)							CK-5608 t	3	4	7	20	4	5-6
1273	3	8	1	20	7	2-3-4-6	t	3	4	7	20		2-3
1276	3	7	1	20		2-3	5610	2	8	3	16	2	1-5-6
1280	3	11	1	20	7	2-3-4-6	(5610 - Ignore Glow on 1)						
1282	3	8	1	16	4-7	2-3-5-6	(5610 - Cont. Test - 1-5)						
(1282 - Cont. Test - 4-7)							5618	3	4	5	18		2-3-6
1291 t	2	2	4	18		2-3	(5618 - Cont. Test - 1-7)						
t	2	2	4	18		6-7	5636	2	8	3	16	2-8	1-4-5-7
(1291 - Cont. Test - 1-8)							(5636 - Cont. Test - 2-8)						
1299	2	2	7	18		2-3-6	5642	4	2	2	30		10
(1299 - Cont. Test - 1-8)							(5642 - The 2 Bottom leads of tube connect to pins 1 and 2 of Octal Socket. Top lead connects to grid cap.)						
1602	3	9	1	32		2-3	5654	2	8	3	16	2-7	1-5-6
1603	3	8	1	22	5	2-3-4-10	(5654 - Cont. Test - 2-7)						
1609	3	2	1	32		2-3-4	5663	3	8	3	16	2	1-5-7
1610	3	4	1	24		2-3-4	5670 t	2	8	1	16	8	6-7
1611	3	8	2	22	8	3-4-5	t	2	8	1	16	2	3-4
1612	3	8	2	20	8	3-4-5-10	5672	2	2	3	22		1-2-4
1613	3	8	2	22	8	3-4-5	5676 :	2	2	2	18		1-3
1614	3	8	2	18	8	3-4-5	CK-5678	2	2	3	18		1-2-4
1619	3	4	2	20		3-4-5-8	5679 d	1	5	4	8	7	6
1620	3	8	2	22	8	3-4-5-10	d	1	5	4	8	2	3
1621	3	8	2	22	8	3-4-5	(5679 - Cont. Test - 1-8)						
1622	3	8	2	18	8	3-4-5	5686	3	8	4	20	1-3-8	2-6-9-7
1624	3	4	1	20		2-3-10	(5686 - Ignore Glow on 6)						
1625	3	11	1	18		3-4-10	(5686 - Cont. Test - 1-3-8-6-9)						
1626	3	11	2	26	8	3-5	5687 t	2	8	8	14	6	7-9
1629 t	3	11	2	34	8	3-5	t	2	8	8	14	3	1-2
e	4	11	2	0		3-4	(5687 - Cont. Test - 4-5)						
(1629 - See Instructions for Eye Test)							5691 t	3	8	7	22	3	1-2
1631	3	11	2	18	8	3-4-5	t	3	8	7	22	6	4-5
1632	3	11	2	16	8	3-4-5	5692 t	3	8	7	20	3	1-2
1633 t	3	13	7	20	6	4-5	t	3	8	7	20	6	4-5
t	3	13	7	20	3	1-2	5693	3	8	2	20	5	3-4-6-8
1634 t	3	11	7	26	6	2-3	CK-5694						
t	3	11	7	26		4-5	t	3	8	2	20	1	3-4
1635 t	3	8	2	22	8	5-6	t	3	8	2	20	8	5-6
t	3	8	2	22		3-4	5695	4	4	1	16		2
1639 t	3	8	2	18	8	3-10	5696	2	8	3	18	2	1-5-7-6
d	1	8	2	12		5	(5696 - Ignore Glow on 5)						
d	1	8	2	12		4	(5696 - Cont. Test - 5-7)						
1644 pe	3	11	6	22	2	3-4-5	5702	2	8	3	14	6	1-2-5-7
pe	3	11	6	22		1-5-8	5703	3	8	3	16	6	1-5
1650	3	8	1	20	5	2-3	5718	3	8	3	18	5	1-8
1655 t	3	8	7	24	6	4-5	5719	2	8	3	16	5	1-8
t	3	8	7	24		2-3	5725	3	8	3	14	2	1-5-6-7
1657	3	8	2	14	8	3-5	5726 d	3	8	3	8	1	7
(1657 - Cont. Test - 1-4)							d	3	8	3	8	5	2
1659 t	3	4	1	22	5	2-10	5727	3	8	3	16	2	1-5-7-6
d	1	4	1	18		3	(5727 - Ignore Glow on 5)						
d	1	4	1	18		4	(5727 - Cont. Test - 5-7)						
1662	3	2	5	58		2-6-3-4	5744	2	8	2	16	5	1-4
(1662 - Ignore Glow on 2)							5749	3	8	3	16	7	1-2-5-6
(1662 - Cont. Test - 1-2-6-7)													
1665	3	8	2	14	8	3-5-6							

Tube	A	B	C	D	Cath. Short	Test	Tube	A	B	C	D	Cath. Short	Test		
5750	to	2	8	3	14	2	1-5-6-7	6088	2	2	3	22		1-2-4	
	t	2	8	3	16		1-6	6096	2	8	3	14	2-7	1-5-6	
5751	t	3	8	9	20	8	6-7		(6096 - Cont. Test - 2-7)						
	t	3	8	9	20	3	1-2	6097	d	1	8	3	8	1	2
	(5751 - Cont. Test - 4-5)							d	1	8	3	8	5	7	
5763		3	8	4	16	7	1-3-6-8-9	6098		2	8	6	14	1	3-5-7
	(5763 - Ignore Glow on 8)							6111	t	2	8	3	14	5	7-8
	(5763 - Cont. Test - 8-9)							t	2	8	3	14	4	1-2	
5784		2	8	3	14	6	1-2-5-7	6112	t	2	8	3	14	5	7-8
5812		3	5	7	18	2	1-5-6	t	2	8	3	14	4	1-2	
	(5812 - Cont. Test - 3-4)							6135		3	8	3	20	7	1-5-6
5814	t	3	8	9	20	3	1-2		(6135 - Ignore Glow on 1)						
	t	3	8	9	20	8	6-7		(6135 - Cont. Test - 1-5)						
	(5814 - Cont. Test - 4-5)							6136		3	8	3	18	7	1-2-5-6
5823		4	18	1	20	3-7	1	6137		3	8	2	20	5	3-4-6-8
	(5823 - Mist Show Short on 3-7)							6146		2	8	2	14	1-4-6	3-5-10
5824		3	13	2	16	8	3-4-5		(6146 - Cont. Test - 1-4-6)						
CK-5829								6159		3	13	2	16	1-4-6	3-5-10
	d	1	8	3	8	7	6		(6159 - Cont. Test - 1-4-6)						
	d	1	8	3	8	2	1	6187		3	8	3	16	2	1-5-6-7
5840		2	8	3	14	2-4-8	1-5-6	6188	t	3	8	7	22	3	1-2
	(5840 - Cont. Test - 2-4-8)							t	3	8	7	22	6	4-5	
5842		2	8	3	14	6	1-4-5-7-8	6189	t	3	8	9	20	3	1-2
	(5842 - Ignore Glow on 4-5-7)							t	3	8	9	20	8	6-7	
	(5842 - Cont. Test - 4-5-7-8)								(6189 - Cont. Test - 4-5)						
5847		2	8	3	14	4	1-6-8	6197		2	8	4	14	1	2-9-3-8
CK-5854		1	2	3	22		1-2-4		(6197 - Ignore Glow on 2-3)						
5879		3	8	4	24	3	1-7-8-9		(6197 - Cont. Test - 2-3-8-9)						
5881		3	8	2	18	8	3-4-5	6201	t	3	8	9	16	8	6-7
5899		2	8	3	16	2-4-8	1-5-7	t	3	8	9	16	3	1-2	
	(5899 - Cont. Test - 2-4-8)								(6201 - Cont. Test - 4-5)						
5902A		2	8	3	16	2-4-8	1-5-7	6202	p	3	8	3	24	7	6
	(5902A - Cont. Test - 2-4-8)							p	3	8	3	24		1	
5915	to	3	8	3	18	2	1-5-6-7	6203	d	1	8	4	8	7	9
	t	3	8	3	18		1-6	d	1	8	4	8		1	
5931	p	3	7	2	24		4	6205		2	8	3	14	2-8	1-4-5-7
	p	3	7	2	24		6		(6205 - Cont. Test - 2-8)						
5932		3	8	2	20	8	3-4-5	6206		2	8	3	14	2-8	1-4-5-7
5933		3	8	1	20	4	2-3-10		(6206 - Cont. Test - 2-8)						
5963	t	3	8	9	20	3	1-2	6211	t	2	8	9	14	8	6-7
	t	3	8	9	20	8	6-7	t	2	8	9	14	3	1-2	
	(5963 - Cont. Test - 4-5)								(6211 - Cont. Test - 4-5)						
5964	t	2	8	3	14	7	2-5	6265		3	8	3	16	2	1-5-6
	t	2	8	3	14		1-6	6267		2	8	4	16	3	1-6-9
5965	t	2	8	9	14	8	6-7		(6267 - Cont. Test - 2-7)						
	t	2	8	9	14	3	1-2	6336	t	3	8	7	12	6	4-5
	(5965 - Cont. Test - 4-5)							t	3	8	7	12	3	1-2	
6005		3	8	3	20	2	1-7-5-6	6350	t	2	8	9	14	7	6-8
	(6005 - Ignore Glow on 1)							t	2	8	9	14	2	1-3	
	(6005 - Cont. Test - 1-7)							6360	te	3	8	9	18	2	3-7-8
6021	t	2	8	3	14	5	7-8	te	3	8	9	18		1-6-7	
	t	2	8	3	14	4	1-2	6386	t	2	8	1	16	8	6-7
6028		2	12	3	14	2-7	1-5-6	t	2	8	1	16	2	3-4	
	(6028 - Cont. Test - 2-7)							6394	t	2	13	7	16	6	4-5
6029		2	2	2	18		1-3	6417	t	2	13	7	16	3	1-2
6046		3	13	2	18	8	3-4-5		3	11	4	16	7	1-3-6-8-9	
6072	t	2	8	9	18	8	6-7		(6417 - Ignore Glow on 8)						
	t	2	8	9	18	3	1-2		(6417 - Cont. Test - 8-9)						
	(6072 - Cont. Test - 4-5)							6463	t	2	8	9	16	7	6-8
6080	t	2	8	7	14	6	4-5	t	2	8	9	16	2	1-3	
	t	2	8	7	14	3	1-2		(6463 - Cont. Test - 4-5)						
6087	p	3	7	2	32		4	6550		2	8	2	16	8	3-4-5
	p	3	7	2	32		6	6660		3	8	3	18	7	1-2-5-6
								6661		3	8	3	16	2	1-5-6

SPECIAL SUPPLEMENT FOR FOREIGN TUBES

Tube	A	B	C	D	Cath. Short	Test
DA-90 d	1	2	1	18	3	2-6
(DA-90 - Must Show Short on 2)						
DAC-32 d	1	2	2	18		5
p	2	2	2	24		3-10
DAF-91 pe	2	2	1	22		4-5-6
d	1	2	1	20		3
DAF-96 pe	2	2	7	36		4-5-6
d	1	2	7	22		3
DC-90	3	2	7	40		2-3-5-6
(DC-90 - Ignore Glow on 2-5)						
(DC-90 - Cont. Test - 2-3-5-6)						
DC-96	2	2	1	18		2-3-5-6
(DC-96 - Ignore Glow on 2-5)						
(DC-96 - Cont. Test - 2-3-5-6)						
DCC-90 t	2	2	4	18		2-3
t	2	2	4	18		5-6
(DCC-90 - Cont. Test - 1-7)						
DF-33	2	2	2	20		3-4-10
DF-91	2	2	7	20		2-3-6
(DF-91 - Cont. Test - 1-5)						
DF-92	2	2	7	22		2-3-6
(DF-92 - Cont. Test - 1-5)						
DF-96	2	2	7	22		2-3-6
(DF-96 - Cont. Test - 1-5)						
DF-97	3	2	7	30		2-3-4-6
(DF-97 - Cont. Test - 1-5)						
DF-904	2	2	7	20		2-3-6
(DF-904 - Cont. Test - 1-5)						
DK-32 to	2	2	2	22		3-4-5-6-10
t	2	2	2	26		5-6
DK-91 to	2	2	7	22		2-3-4-6
t	2	2	7	22		3-4
(DK-91 - Cont. Test - 1-5)						
DK-92 a	3	2	7	24		2-3-4-5-6
o	2	2	7	18		3-4-5
DK-96	3	2	7	36		2-3-4-5-6
DL-33	2	2	8	18		3-4-5
(DL-33 - Cont. Test - 2-7)						
DL-35	2	2	2	20		3-4-5
DL-41	2	2	1	16		2-5-6
(DL-41 - Cont. Test - 3-7-8)						
DL-92	2	2	5	18		2-6-3-4
(DL-92 - Ignore Glow on 2)						
(DL-92 - Cont. Test - 1-2-6-7)						
DL-94	2	2	5	18		2-3-6
(DL-94 - Cont. Test - 1-7)						
DL-96	2	2	5	18		2-3-6
DM-70 e	4	2	4	0		1-8
(DM-70 - See Instructions for Eye Test)						
DM-71 e	4	2	4	0		1-8
(DM-71 - See Instructions for Eye Test)						
DY-80	4	2	2-5-8	40		10
(DY-80 - Cont. Test - 1-2-4-5-6-8-9)						
DY-86	4	2	2-5-8	32		10
(DY-86 - Cont. Test - 1-4-6-9)						
E-88-CC t	2	8	4	14	8	6-7
t	2	8	4	14	3	1-2
E-180-F	2	8	4	14	1-3	2-7-9
(E-180-F - Cont. Test - 1-3)						

Tube	A	B	C	D	Cath. Short	Test
EAA-11 d	1	8	2	8	4	5
d	1	8	2	8	7	6
(EAA-11 - Make Special Adapter)						
EAA-91 d	1	8	3	8	1	7
d	1	8	3	8	5	2
EAA-901 d	1	8	3	8	1	7
d	1	8	3	8	5	2
EABC-80 t	3	8	4	18	7	8-9
d	1	8	4	14		6
d	1	8	4	8	3	2
d	1	8	4	8		1
EAC-91 t	3	8	3	18	5	6-7
d	1	8	3	8	2	1
EAF-42 pe	2	8	1	16	7	2-4-5-6
d	1	8	1	14		3
EAM-86 t	2	8	4	18	9	1-8
e	4	8	4	0	3	6-7
(EAM-86 - See Instructions for Eye Test)						
EBC-11 t	3	8	2	18	8	6-7
d	1	8	2	10		5
d	1	8	2	10		4
EBC-33 t	3	8	2	20	8	3-10
d	1	8	2	10		5
d	1	8	2	10		4
EBC-41 t	2	8	1	16	7	2-3
d	1	8	1	12		5
d	1	8	1	12		6
EBC-90 t	3	8	3	20	2	1-7
d	1	8	3	16		5
d	1	8	3	16		6
EBC-91 t	2	8	3	16	2	1-7
d	1	8	3	18		5
d	1	8	3	18		6
EBF-15 pe	2	8	2	14	8	1-6-7
d	1	8	2	10		5
d	1	8	2	10		4
EBF-80 pe	3	8	5	18	3	1-2-6-9
d	1	8	5	14		7
d	1	8	5	12		8
EBF-83 pe	2	8	4	14	3	1-2-6
d	1	8	4	12		7
d	1	8	4	12		8
EBF-89 pe	2	8	4	14	3	1-2-6
d	1	8	4	12		7
d	1	8	4	12		8
EC-86	2	8	4	16	37	1-2-6-8-9
(EC-86 - Ignore Glow on 1-2-6-8)						
(EC-86 - Cont. Test - all pins)						

Tube	A	B	C	D	Cath. Short	Test
EC-88	2	8	4	16	2	1-3-6-7-8-9
(EC-88 - Ignore Glow on 1-3-6-7-8)						
(EC-88 - Cont. Test 1-3-6-7-9)						
EC-92	2	8	3	14	7	1-6
ECC-33						
t	3	8	7	16	6	4-5
t	3	8	7	16	3	1-2
ECC-35						
t	3	8	7	16	6	4-5
t	3	8	7	16	3	1-2
ECC-81						
t	3	8	9	16	8	6-7
t	3	8	9	16	3	1-2
(ECC-81 - Cont. Test - 4-5)						
ECC-82						
t	3	8	9	20	8	6-7
t	3	8	9	20	3	1-2
(ECC-82 - Cont. Test - 4-5)						
ECC-83						
t	3	8	9	20	8	6-7
t	3	8	9	20	3	1-2
(ECC-83 - Cont. Test - 4-5)						
ECC-84						
t	2	8	4	14	7-8	6-9
t	2	8	4	14	1	2-3
(ECC-84 - Cont. Test - 7-8)						
ECC-85						
t	2	8	5	14	8	6-7
t	2	8	5	14	3	1-2
ECC-86						
t	2	8	4	14	8	6-7
t	2	8	4	14	3	1-2
ECC-88						
t	2	8	4	12	8	6-7
t	2	8	4	12	3	1-2
ECF-12						
t	2	8	2	16	8	4-5
pe	2	8	2	16		1-6-7
ECF-80						
t	2	7	4	14	8	1-9
pe	2	7	4	12	7	2-3-6
ECF-82						
t	2	8	4	14	8	1-9
pe	2	8	4	14		2-3-6
ECF-200						
t	2	8	5	16	1	9-10
pe	2	8	5	16	2	3-7-8
ECF-201						
t	2	8	5	18	1	9-10
pe	2	8	5	16	2	3-7-8
ECF-801						
t	2	8	4	14	1-3	8-9
pe	3	8	4	14		2-6-7
(ECF-801 - Cont. Test - 1-3)						
ECF-802						
t	2	8	4	18	8	1-9
pe	2	8	4	16	7	2-3-6
ECF-805						
t	2	8	4	16	6-8	1-9
pe	2	8	4	16		2-3-7
(ECF-805 - Cont. Test - 6-8)						
ECH-42						
t	3	8	1	18	7	3-4
os	3	8	1	20		2-4
he	3	8	1	18		2-5-6

Tube	A	B	C	D	Cath. Short	Test
ECH-81						
he	2	8	5	14	3	1-7-6-7
t	2	8	5	16		8-9
ECH-83						
h	2	8	4	12	3	1-2-6-7
t	2	8	4	14		8-9
ECH-84						
t	2	8	4	18	3	8-9
h	2	8	4	18		2-6-7
ECH-200						
t	2	8	5	16	9	8-10
h	2	8	5	18	1	3-4-7
ECL-80						
pe	3	8	4	18	3	6-7-8-9
t	1	8	4	24		1-2
ECL-82						
t	2	8	4	14	8	1-9
pe	2	8	4	14	2	3-6-7
ECL-84						
t	2	8	4	14	3	1-2
pe	2	8	4	14	7	6-8-9
ECL-85						
t	2	8	4	14	3	1-2
pe	3	8	4	14	8	6-7-9
ECL-86						
t	2	8	4	18	2	1-9
pe	2	8	4	18	7	3-6-8
EF-41						
	3	8	1	18	7	2-5-6
(EF-41 - May Show Short on 3-7)						
EF-80						
	2	7	4	12	1-3	2-7-8
(EF-80 - Must Show Short on 1-3)						
(EF-80 - Cathode Short Test - Throw 1-3 Together)						
EF-83						
	2	8	4	16	3	1-6-8-9
(EF-83 - Cont. Test - 2-7)						
EF-85						
	2	8	4	12	1-3	2-7-8
(EF-85 - Must Show Short on 1-3)						
(EF-85 - Cathode Short Test - Throw 1-3 Together)						
EF-86						
	2	8	4	16	3	1-6-9
EF-89						
	2	8	4	14	3	2-7-8-9
(EF-89 - Cont. Test - 1-6)						
EF-91						
	2	8	3	12	2	1-5-6-7
EF-93						
	3	8	3	18	7	1-2-5-6
EF-94						
	3	8	3	18	7	1-2-5-6
EF-97						
	2	8	3	12	2	1-5-6
EF-98						
	2	7	3	12	2	1-5-6
EF-804						
	2	8	4	18	3	1-7-8-9
(EF-804 - Cont. Test 2 6)						
EPL-200						
pe	2	8	5	16	7	8-9-10
pe	2	8	5	16	2	1-3-4
EH-90						
t	2	8	3	14	2	1-6
to	2	8	3	14		1-5-6-7
EK-90						
to	2	8	3	14	2	1-5-6-7
t	2	8	3	14		1-6
EL-12						
	2	8	2	14	8	5-6-7
EL-34						
	3	8	7	16	8	1-3-4-5
EL-36						
	3	11	2	16	3-8	1-4-5-10
(EL-36 - Ignore Glow on 1)						
(EL-36 - Cont. Test - 3-8)						
EL-37						
	2	8	2	14	8	3-4-5
EL-38						
	3	7	2	14	8	4-5-10
EL-41						
	2	8	1	14	3-7	2-5-6
(EL-41 - Cont. Test - 3-7)						
EL-82						
	2	8	4	16	3	2-7-9
EL-84						
	3	8	4	18	3	1-2-7-9
(EL-84 - Ignore Glow on 1)						
(EL-84 - Cont. Test - 1-2)						

Tube	A	B	C	D	Cath. Short	Test	
EL-86	2	7	4	12	3	1-2-6-9-7-8 (EL-86 - May Show Short on 1-2-6-7-8-9) (EL-86 - Ignore Glow on 1-6-7)	
EL-90	3	8	3	18	2	1-7-5-6 (EL-90 - Ignore Glow on 1) (EL-90 - Cont. Test - 1-7)	
EL-95	2	7	3	12	2	1-7-5-6 (EL-95 - Ignore Glow on 1)	
EL-500	3	8	4	14	3-8	1-2-6-7-10 (EL-500 - Magnoval Base - Do not insert tube fully into socket) (EL-500 - Cont. Test 1-2, 3-8, 6-7)	
ELL-80							
pe	2	8	4	18	7	1-2-3	
pe	2	8	4	18		6-8-9	
EM-35	t	2	8	2	18	8	3-4
e	4	8	2	0			3-6-5 (EM-35 - See Instructions for Eye Test)
EM-80	t	3	8	4	26	2	1-7
e	4	8	4	0			7-3-6-9 (EM-80 - Throw 7 to Test, then 3-6-9 Together to Test - See Instructions for Eye Test) (EM-80 - May Show Short on 3-6-9)
EM-81	t	3	8	5	28	2	1-7
e	4	8	5	0			7-3-8-9 (EM-81 - Ignore Glow on 3-8) (EM-81 - See Instructions for Eye Test) (EM-81 - Cont. Test - 3-8-9)
EM-84	t	3	8	5	42	3	1-9
e	4	8	5	0			7-2-6-8 (EM-84 - Ignore Glow on 2-6) (EM-84 - See Instructions for Eye Test) (EM-84 - Cont. Test - 2-6-8)
EM-87	t	2	8	4	22	3	1-9
e	4	8	4	0			2-6-7-8 (EM-87 - Ignore Glow on 2-6-7 - Cont. Test 2-6-8) (EM-87 - See Instructions For Eye Test)
EY-51		4	8	2	30		10 (EY-51 - Connect 2 Bottom Leads to Octal Sockets pins 1 and 2 - Top Lead Connect to Grid Cap)
EZ-35	p	3	8	2	22	8	3
p	3	8	2	22			5
EZ-80	p	3	8	4	24	3	1
p	3	8	4	24			7
EZ-81	p	3	8	4	18	3	1
p	3	8	4	18			7
EZ-90	p	3	8	3	24	7	1
p	3	8	3	24			6
GZ-30	p	3	7	2	16		6
p	3	7	2	16			4
GZ-34	p	4	7	2	12		4
p	4	7	2	12			6
HBC-90							
c	3	11	3	20	2		1-7
d	1	11	3	16			5
d	1	11	3	16			6
HCH-81							
c	2	11	4	20	3		8-9
he	2	11	4	18			1-2-6
HF-93		3	11	3	16	7	1-2-5-6
HK-90	to	3	11	3	16	2	1-5-6-7
t	3	11	3	16			1-6
Tube	A	B	C	D	Cath. Short	Test	
HL-92	3	15	3	16	1	2-5-6-7 (HL-92 - Ignore Glow on 2) (HL-92 - Cont. Test - 2-5)	
HY-90	3	14	3	16	7	5 (HY-90 - Cont. Test - 4-6)	
KT-88	3	7	2	16	8	3-4-5	
LCF-200							
t	2	8	5	16	1	9-10	
pe	2	8	5	16	2	3-7-8	
LCF-201							
t	2	8	5	18	1	9-10	
pe	2	8	5	16	2	3-7-8	
LCF-801							
t	2	7	4	14	1-3	8-9	
pe	3	7	4	14		2-6-7 (LCF-801 - Cont. Test - 1-3)	
LCF-802							
t	2	8	4	16	8	1-9	
pe	2	8	4	16	7	2-3-6	
LCH-200							
t	2	7	5	16	9	8-10	
h	2	7	5	18	1	3-4-7	
LCL-84	t	2	10	4	14	3	1-2
pe	2	10	4	14	7	6-8-9	
LFL-200							
pe	2	10	5	16	7	8 0 10	
pe	2	10	5	16	2	1-3-4	
LL-86	2	10	4	12	3	1-2-6-9-7 (LL-86 - Ignore Glow on 1-6) (LL-86 - Cont. Test - 1-2-6-8)	
LL-500	3	12	5	14	3-8	1-2-6-7-10 (LL-500 - Magnoval Base - Do Not Insert Tube Fully into Socket) (LL-500 - Cont. Test - 1-2,3-8, 6-7)	
LY-88	2	12	4	12	10	3-8-9 (LY-88 - Ignore Glow on 3-8) (LY-88 - Cont. Test - All pins)	
PABC-80							
c	3	10	4	18	7	8-9	
d	1	10	4	12		6	
d	1	10	4	8		2	
d	1	10	4	8		1	
PC-86	2	5	4	14	3-7	1-2-6-8-9 (PC-86 - Ignore Glow on 1-2-6-8) (PC-86 - Cont. Test - 1-2-3-6-7-8-9)	
PC-88	2	6	4	16	2	1-3-6-7-8-9 (PC-88 - Ignore Glow on 1-3-6-7-8) (PC-88 - Cont. Test - 1-3-6-7-9)	
PCC-84							
t	2	9	4	14	7-8	6-9	
t	2	9	4	14	1	2-3 (PCC-84 - Must Show Short on 7-8)	
PCC-85							
t	2	9	4	14	8	6-7	
t	2	9	4	14	3	1-2	
PCC-88							
c	2	8	4	14	8	6-7	
t	2	8	4	14	3	1-2	
PCF-80							
t	2	9	4	14	8	1-9	
pe	3	9	4	14	7	2-3-6	
PCF-200							
t	2	9	5	16	1	9-10	
pe	2	9	5	16	2	3-7-8	

Tube	A	B	C	D	Cath. Short	Test	Tube	A	B	C	D	Cath. Short	Test		
PCF-201							UCC-85								
t	2	9	5	18	1	9-10	t	2	13	4	12	8	6-7		
pe	2	9	5	16	2	3-7-8	t	2	13	4	12	3	1-2		
PCF-801							UCH-42								
t	2	9	4	14	1-3	8-9	t	2	11	1	16	7	3-4		
pe	3	9	4	14		2- 6-7	he	2	11	1	14		2-4-5-6		
(PCF-801 - Cont. Test - 1-3)							UCH-81								
PCF-802							h	2	12	4	14	3	1-2-6		
t	2	10	4	18	8	1-9	t	2	12	4	14		8-9		
pe	2	10	4	16	7	2-3-6	UCL-81								
PCF-805							t	2	14	4	16	3-8	1-7		
t	2	9	4	16	6-8	1-9	p	2	14	4	12		2-6-9		
pe	2	9	4	16		2-3-7	(UCL-81 - Cont. Test - 3-8)								
(PCF-805 - Cont. Test - 6-8)							UF-80	2	12	4	10	1-3	2-8-9-7		
PCH-200							UF-85	2	12	4	27	1-3	2-7-8-9		
t	2	10	5	16	9	8-10	(UF-85 - Cont. Test - 1-3)								
h	2	10	5	18	1	3-4-7	UF-89	2	11	4	14	3	2-7-8		
PCL-84	t	2	11	4	16	3	1-2	(UF-89 - Cont. Test - 1-6)							
pe	2	11	4	16	1	6-8-9	UL-84	2	14	4	12	3	1-2-6-9-7		
PCL-85	t	2	12	4	14	3	1-2	(UL-84 - Cont. Test - 1-2-6-8-9)							
pe	3	12	4	14	8	6-7-9	(UL-84 - Ignore Glow on 1-6)								
PCL-86	t	2	11	4	18	2	1-9	UM-35	t	2	11	1	16	7	5-6
pe	2	11	4	18	7	3-6-8	e	4	11	1	0		3-6-4		
PF-86	2	6	4	18	3	1-6-9	(UM-35 - See Instructions for Eye Test)								
(PF-86 - Cont. Test - 2-7)							UM-80	t	3	12	4	20	2	1-7	
PFL-200							e	4	12	4	0		1-3-6-9		
pe	2	11	5	16	7	8-9-10	(UM-80 - See Instructions for Eye Test)								
pe	2	11	5	16	2	1-3-4	(UM-80 - Cont. Test - 3-6-9)								
PL-36	3	13	2	14	1-8	3-4-5-10	UY-41	1	14	1	16	7	2		
(PL-36 - Ignore Glow on 3)							UY-85	2	14	4	14	3	1-6-9		
(PL-36 - Cont. Test - 1-3-4-8)							(UY-85 - Ignore Glow on 1-6)								
PL-500	3	13	5	14	3-8	1-2-6-7-10	XCF-801								
(PL-500 - Magnoval Base - Do not insert tube fully into socket)							t	2	6	4	14	1-3	8-9		
(PL-500 - Cont. Test - 1-2, 3-8, 6-7)							pe	3	6	4	14		2-6-7		
PY-80	3	12	4	14	3	9	(XCF-801 - Cont. Test - 1-3)								
PY-81	3	11	4	16	10	2-9	XCL-84								
(PY-81 - Ignore Glow on 2)							t	2	9	4	14	3	1-2		
(PY-81 - Cont. Test - 2-9)							pe	2	9	4	14	7	6-8-9		
PY-82	1	11	4	14	3	9	XCL-85								
PY-83	4	12	4	12	10	9	t	2	10	4	14	3	1-2		
UABC-80							pe	3	10	4	14	8	6-7-9		
t	2	13	4	14	7	8-9	XCL-86	2	9	4	12	3	1-2-5-9-7		
d	1	13	4	14		6	(XCL-86 - Ignore Glow on 1-6)								
d	1	13	4	8	3	2	(XCL-86 - Cont. Test - 1-2-6-9)								
d	1	13	4	8		1	XL-36	3	8	2	16	3-8	1-4-5-10		
UBC-41							(XL-36 - Ignore Glow on 1)								
t	2	11	1	16	7	2-3	(XL-36 - Cont. Test - 3-8)								
d	1	11	1	18		6	XL-500	3	11	5	14	3-8	1-2		
d	1	11	1	18		5	(XL-500 - Magnoval Base - Do not insert tube fully into socket)								
UBC-81							(XL-500 - Cont. Test - 1-2, 3-8, 6-7)								
t	3	11	4	22	3	1-2									
d	1	11	4	16		8									
d	1	11	4	16		6									
(UBC-81 - May Show Short on 7-9)															
UBF-80															
pe	2	12	4	14	3	1-2-6-9									
d	1	12	4	16		8									
d	1	12	4	16		7									
UBF-89															
pe	2	12	4	14	3	1-2-6-9									
d	1	12	4	10		7									
d	1	12	4	10		8									
UC-92	2	10	3	12	7	1-6									