

1-1-76

# TUBE TEST DATA

**Models  
640, 660**

FOR USE WITH  
ROLL CHART TRC H2B

**COLETRONICS**

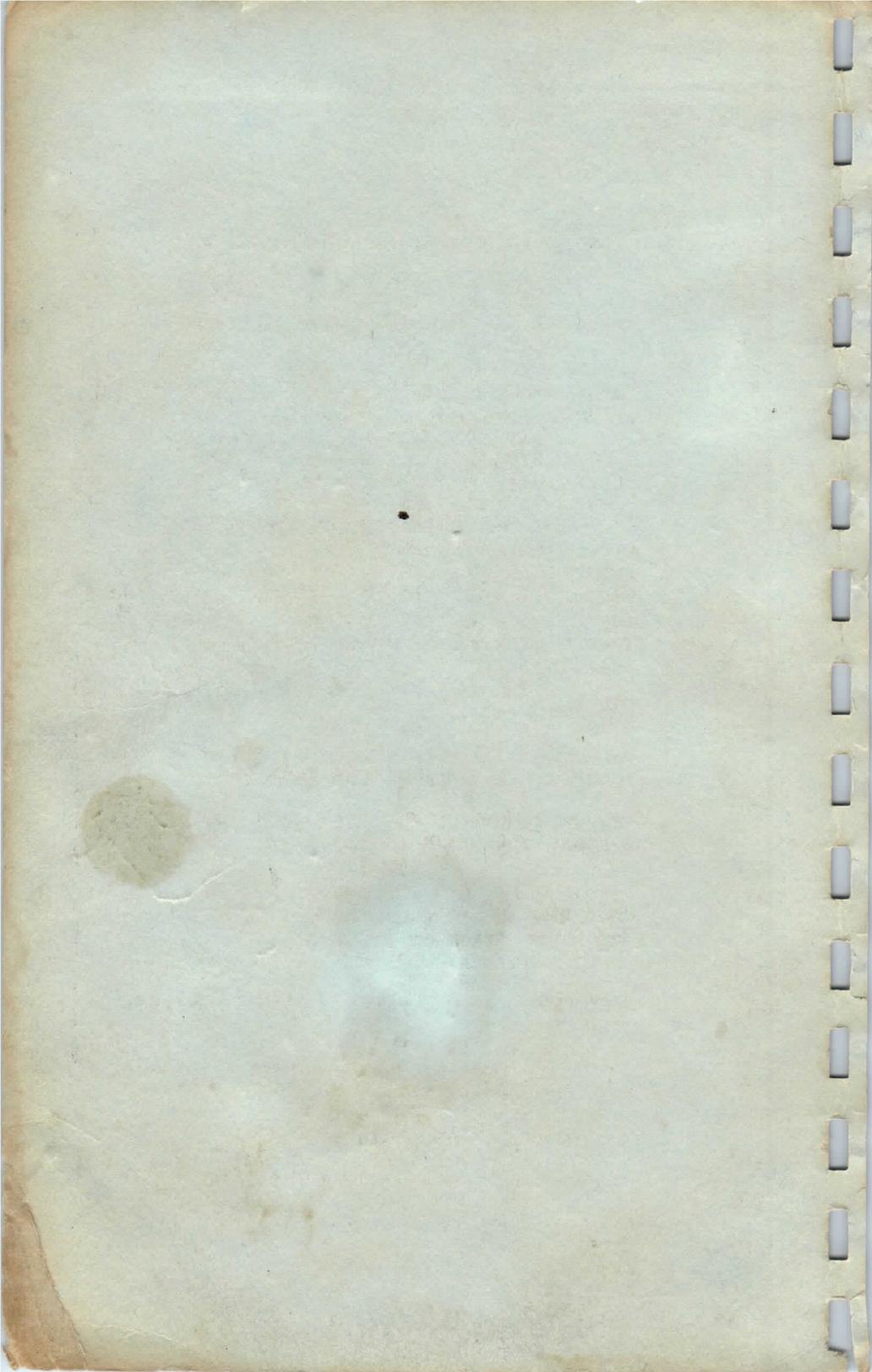


**SERVICE INC.**

1744 ROCKAWAY AVE.



HEWLETT, L.I., N.Y. 11557



KEY AT COLUMN REFERS TO POSITIONING OF COMPACTRONS ON G-140, A-15 AND B-16 ADAPTERS.

1

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
1AU2			4	2	32	4	-	19	19
1AY2			1	2	20	4	-	-	0
"		Insert leads into pins 1&6 of 9 pin socket							
1BC2			258	2	25	4	-	169	0
1BG2			1	2	17	4	-	-	0
"		Insert bottom leads into pins 1&2 of 9 pin socket. Cap goes to top lead.							
1BK2			258	2	21	4	-	1469	0
1BQ2			258	2	26	4	-	1469	0
1BX2			258	2	24	4	-	1245689	0
1BY2	2		1	2	25	4	-	*	0
"		*Cont-2-4-5-6-7-8-No short test.							
"		Good tube reads above 30.							
1C2		amp	7	2	12	1	-	-	23456
"		osc	7	2	29	2	-	-	345
1D13		di	1	2	27	3	3	26	●26
"		●Ignore glow on 2. Throw lever #5 to open position.							
1DG3			35	2	47	4	-	3456	0
"		No short test.							
1DK1			1	1	38	4	-	-	0
"		Insert bottom leads into pins 1&2 of 9 pin socket. Cap goes to top lead.							
1DK29			1	2	17	4	-	-	0
"		Insert bottom leads into pins 1&2 of 9 pin socket. Cap goes to top lead.							
1H35			7	2	20	1	-	-	23456
1K3			2	2	35	4	-	7	0
"		OK above 20 on meter scale.							
"		May show short on 1-3-5-8.							
1RK23			258	2	20	4	-	1469	0
1RK41			258	2	21	4	-	1469	0
2AH2	2	CAUTION: Lever 5 must be thrown to open position.							
"			1	4	26	4	-	-	0
"		Grid cap goes to top of tube.							
"		May show short on 3-4-5-7-8-9.							
2AS2	5		4	4	27	4	-	17	0
"		Cap goes to top of tube.							
2AV2			4	3	29	4	-	1236789	9
"		Throw levers 1-2-3-6-7-8 to open position.							
2AZ2			5	3	20	4	-	1469	0
"		Levers 2-8 must be thrown to open position.							
2BA2			4	3	15	4	-	19	●19
"		●Ignore glow on 1.							

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
2BJ2									
"									
"									
"									
"									
"									
2BU2	5								
"									
2C50									
"									
2CN3									
2DL4									
"									
2DS4									
2DV4									
"									
2DZ4									
"									
2EG4									
2GU5									
2GW5									
"									
2HA5									
"									
2HK5									
2HM5									
"									
2HQ5									
2HR8									
3AF3									
"									
3AJ8									
"									
3AT2	6								
"									
3AW2	5								
"									
3AW3									
3BH2*									
"									
"									
3BL2	5								
"									
3BM2	5								
"									
3BN2	6								
"									
"									
3BS2	5								
"									

CAUTION: Levers 2-8 must be thrown to open position before inserting tube and must remain in open position throughout all tests including short tests.

5 3 44 3 1469 1469 0

May show short on 3-7.

4 4 17 4 1467 1467 0

Cap goes to top of tube.

tri-1 7 13 24 2 3 - 12

tri-2 7 13 24 2 6 - 45

2 2 17 4 - 35 0

4 3 21 2 2 13679 18

Throw levers 3-6-7-9 to open position.

4 3 18 3 3 - 12

3 3 19 2 7 1246 ●1246

●Ignore glow on 1-4.

3 4 24 2 5 - 1267

Must show short on 1-2-6-7.

4 2 42 3 3 - 1

3 4 21 2 27 27 156

3 4 20 2 5 26 ●126

●Ignore glow on 2.

3 3 21 2 27 27 15

Lever 2 must be thrown to open position.

3 3 21 2 27 27 15

3 4 22 2 27 27 15

Lever 2 must be thrown to open position.

3 3 20 2 27 27 15

4 4 23 2 3 27 169

4 8 18 3 0 29 ●29

●Ignore glow on 2.

hep 5 5 24 2 3 - 1267

tri 5 5 27 2 - - 89

5 4 21 4 - 28 0

Lever 1 must be thrown to open position.

Cap goes to top of tube.

4 5 15 4 - 17 0

Cap goes to top of tube.

2 5 48 3 - 378 0

248 4 20 4 - 14589 0

\*Must use magnoval adapter - Cap goes to top of tube.

4 5 16 4 - 167 0

Cap goes to top of tube.

4 5 12 4 - 167 0

Cap goes to top of tube.

5 4 21 4 - 28 0

Lever 1 must be thrown to open position.

Cap goes to top of tube.

4 5 15 4 - 17 0

Cap goes to top of tube.

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
3BT2	5		4	5	17	4	1467	1467	0
"		Cap goes to top of tube.							
3BW2	5		4	5	17	4	1467	1467	0
"		Cap goes to top of tube.							
3CA3			2	5	26	4	-	-	0
3CN3			2	5	17	4	-	35	0
3CU3			2	5	14	4	-	8	0
3CV3A			2	5	23	4	-	1357	0
3CX3			35	5	17	4	-	34568	0
3CY3			2	5	20	4	12357	12357	0
3CZ3			2	5	48	3	-	78	0
3DA3			35	5	17	4	-	34568	0
3DB3			2	5	27	4	17	12357	0
3DC3			2	5	13	4	-	12357	0
3DF3			35	5	20	4	-	23468	0
"		No short test.							
3DH3			3	5	21	4	-	34568	0
"		No short test.							
3DJ3			2	5	27	4	-	12357	0
3DR3			35	5	18	4	-	23568	0
3DS3			35	5	18	4	-	268	0
"		No short test.							
3DZ4			3	5	24	2	5	-	1267
"		Must show short on 1-2-6-7.							
3DZ11			5	7	21	3	7	71	15
3GK6			4	5	23	2	1	39	●2379
"		●Ignore glow on 3.							
3GU5			3	5	21	2	27	27	156
3GW5			3	5	20	2	5	26	●126
"		●Ignore glow on 2.							
3HA5			3	4	21	2	27	27	15
"		Lever 2 must be thrown to open position.							
3HE7	0	di	1	5	16	3	4	-	2
"		*CAUTION: Lever 5 must be thrown to open position before inserting tube.							
"	8	pen*	7	5	16	2	3	-	46
3HF5	4		3	5	23	2	18	1278	2790
"		Must show short on 1-2-7-8.							
"		Grid cap goes to top of tube.							
3HK5			3	4	21	2	27	27	15
3HM5			3	4	22	2	27	27	15
"		Lever 2 must be thrown to open position.							
3HM6			4	5	20	2	13	13	278
3HQ5			3	5	20	2	27	27	15
3HS8		pen-1	4	5	23	2	1	-	2789
"		pen-2	4	5	23	2	-	-	2367
3HT6			4	5	22	2	13	-	278
"		Lever 3 must be thrown to open position.							
3JC6			4	5	22	2	13	13	278
3JD6			4	5	22	2	13	13	278

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
3KF8		pen-1	4	5	21	2	1	-	278
"		pen-2	4	5	21	2	-	-	237
3KT6			4	5	21	2	13	13	278
3MP26			3	4	22	2	2	-	156
3MR24			3	5	21	2	2	-	1567
3MV7			3	5	21	2	2	-	1567
4AB8		tri	4	6	25	2	3	-	12
"		pen	4	6	22	2	-	-	689
4AF4			3	6	23	2	5	1267	●1726
"		●Ignore	glow on 1-2.						
4DL4			4	6	20	2	2	13679	●136798
"		●Ignore	glow on 1-3-6-7.						
4ER5			3	5	20	2	17	17	25
4GJ7		tri	4	6	21	2	13	13	89
"		pen	4	6	20	2	-	-	267
4GK5			3	6	22	2	17	17	25
4GS7		tri	4	6	21	2	38	38	12
"		pen	4	6	19	2	-	-	679
4GW5			3	6	20	2	5	26	●126
"		●Ignore	glow on 2.						
4GX6			3	6	23	2	2	-	1567
4GX7		tri	4	6	21	2	13	13	89
"		pen	4	6	20	2	-	-	267
4GZ5			3	6	22	2	1	25	●2567
"		●Ignore	glow on 2.						
4HA5			3	6	21	2	27	27	15
"		Lever 2	must be thrown to open position.						
4HA7	3	tri-1	2	7	26	2	6	-	15
"	5	tri-2	4	7	26	2	9	-	12
4HC7	0	tri-1	1	6	26	2	4	-	79
"	6	tri-2	7	6	26	2	9	-	48
4HG8		tri	4	7	23	2	3	13	67
"		pen	4	7	22	2	1	-	289
4HK5			3	6	21	2	27	27	15
4HM5			3	6	22	2	27	27	15
"		Lever 2	must be thrown to open position.						
4HM6			4	6	20	2	13	13	278
4HQ5			3	6	20	2	27	27	15
4HR8			4	7	23	2	3	27	169
4HS8		pen-1	4	6	23	2	1	-	2789
"		pen-2	4	6	23	2	-	-	2367
4HT6			4	6	22	2	13	-	278
"		Lever 3	must be thrown to open position.						
4JC6			4	7	22	2	13	13	278
4JD6			4	7	22	2	13	13	278
4JH6			3	6	22	2	2	-	156
4JK6			3	5	21	2	2	-	156
4JL6			3	5	22	2	2	-	156
4JW8		tri	4	6	22	2	8	-	19
"		pen	4	6	21	2	7	-	236

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
4KE8		tri	4	6	24	2	8	-	19
"		pen	4	6	23	2	7	-	236
4KF8		pen-1	4	6	21	2	1	-	278
"		pen-2	4	6	21	2	-	-	237
4KN8		tri-1	4	6	20	2	8	-	67
"		tri-2	4	6	20	2	3	-	12
4KT6			4	6	21	2	13	13	278
4LJ8		tri	4	6	21	2	38	38	12
"		pen	4	6	20	2	-	-	679
4LU6			4	6	20	2	2	-	1567
4MK8		pen-1	4	6	22	2	1	-	237
"		pen-2	4	6	22	2	-	-	278
4MP12			3	7	22	2	2	-	156
4MP26			3	6	22	2	2	-	156
4RHH2		tri	4	6	23	2	8	-	67
"		tri	4	6	23	2	3	-	12
4RHH8		tri-1	4	6	20	2	8	-	67
"		tri-2	4	6	20	2	3	-	12
4RHH15		tri-2	4	6	22	2	3	-	12
"		tri-1	4	6	22	2	8	-	67
5AF4			3	7	23	2	5	1267	●1726
"		●Ignore glow on 1-2.							
5AF11	7	pen	6	7	19	3	3	-	459
"	2	di-1	1	7	19	3	9	-	56
"	0	di-2	1	7	19	3	5	-	68
5AQ4		plate-1	2	8	6	1	-	-	4
"		plate-2	2	8	6	1	-	-	6
5BC3		di-1	1	8	12	1	-	-	89
"		CAUTION: Lever 2 must be thrown to open position.							
"		di-2	1	8	10	1	-	-	56
"		CAUTION: Lever 2 must be thrown to open position. Must show short on 5-6-8-9-Fil							
"		Cont - 1-2-3.							
5CR8		tri	4	7	22	2	8	-	19
"		pen	4	7	21	2	3	-	267
5DG4		pl-1	1	8	25	2	-	-	7
"		pl-2	1	8	25	2	-	-	5
5DJ4		pl-1	1-2	8	9	2	-	3456	34
"		pl-2	1-2	8	9	2	-	-	56
5EW6			3	8	20	2	2	-	156
5GJ7		tri	4	9	21	2	13	13	89
"		pen	4	9	20	2	-	-	267
5GS7		tri	4	8	21	2	38	38	12
"		pen	4	8	20	2	-	-	679
5GX6			3	7	23	2	2	-	1567
5GX7		tri	4	8	21	2	13	13	89
"		pen	4	8	20	2	-	-	267
5HA7	3		2	6	26	2	6	-	15
"	5		4	6	26	2	9	-	12

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
5HB7		tri	4	7	23	2	13	13	89
"		pen	4	7	24	2	13	13	267
"		Lever 1 must be thrown to open position.							
5HC7	0	tri-1	1	8	26	2	4	-	79
"	6	tri-2	7	8	26	2	9	-	48
5HG8		tri	4	8	23	2	3	13	67
"		pen	4	8	22	2	1	13	289
5HZ6			4	8	17	3	2	-	156
5JK6			3	8	21	2	2	-	156
5JL6			3	8	22	2	2	-	156
5JW8		tri	4	7	22	2	8	-	19
"		pen	4	7	21	2	7	-	236
5KD6		tri	4	8	22	2	8	-	19
"		pen	4	8	22	2	7	-	236
5KE8		tri	4	8	24	2	8	-	19
"		pen	4	8	23	2	7	-	236
5KZ8		tri	4	7	22	2	8	-	19
"		pen	4	7	22	2	3	-	267
5LJ8		tri	4	8	21	2	38	38	12
"		pen	4	8	20	2	-	-	679
5MB8		tri	4	8	20	2	3	-	12
"		pen	4	8	19	2	8	-	679
5MF8	8	pen	9	8	22	2	4	12	●1230
"		●Ignore glow on 1.							
"	5	tri	6	8	21	2	3	-	27
5MHH3		tri	3	7	23	2	7	-	25
"		tri	3	7	23	2	7	-	16
5MK9			3	7	11	1	-	4	5
5MQ8		pen	4	8	23	2	7	-	236
"		tri	4	8	24	2	8	-	19
5P29			2	8	3	1	8	-	450
5RDDH1		di-1	4	6	23	2	2	-	1
"		di-2	4	6	23	2	3	-	6
"		tri	4	6	25	2	9	-	78
5RHP1		tri	4	7	23	2	8	-	19
"		pen	4	7	22	2	7	-	236
5RHR1		tri	4	8	23	2	8	-	19
"		pen	4	8	21	2	-	-	236
5RK16		pl-1	4	7	27	2	-	-	1
"		pl-2	4	7	27	2	-	-	8
5U9		tri	5	9	22	2	1	-	90
"		pen	5	9	20	2	2	-	378
5V9		tri	5	8	20	2	9	-	80
"		hep	5	8	21	2	1	-	347
5X9		tri	5	9	22	2	1	-	90
"		pen	5	9	20	2	2	-	378
6AC9	0	di	1	9	16	3	3	3	2
"	7	pen	6	9	20	2	6	-	345

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST	
6AC10	5	tri-1	4	9	21	2	9	-	12	
"	0	tri-2	1	9	21	2	6	-	57	
"	3	tri-3	4	9	21	2	6	-	15	
6AD10	2	pen-1	1	9	20	2	4	-	589	
"	6	pen-2	5	9	21	2	2	-	134	
6AF9		pen-1	5	9	20	2	7	-	890	
"		pen-2	5	9	20	2	2	-	134	
		May show short on 2.								
6AF11	0	tri-1	1	9	24	2	5	-	68	
"		tri-2	1	9	25	2	7	-	34	
"	5	pen	6	9	25	2	1	-	237	
6AG9	0	tri	1	9	21	2	6	-	57	
"	6	pen	5	9	21	2	2	-	348	
6AG11	8	tri-1	9	9	22	2	4	-	23	
"		di-1	9	9	24	2	6	-	5	
"	2	tri-2	3	9	22	2	6	-	78	
"		di-2	3	9	24	2	4	-	5	
6AG12			8	9	20	1	5	27	2	
6AH9	0	tri	1	9	23	2	4	56	23	
"	7	pen	6	9	21	2	1	-	250	
6AJ9		tri	5	9	23	2	1	-	90	
"		pen	5	9	22	2	2	-	378	
6AK9	8	pen	7	9	22	2	2	-	34	
"		tri-1	7	9	24	2	2	-	56	
"	0	tri-2	0	9	26	2	7	-	23	
6AK10	0	tri-2	1	9	22	2	6	-	57	
"	6	tri-3	5	9	22	2	9	-	48	
"	8	tri-1	7	9	22	2	0	-	45	
6AL9	2	tri	3	9	21	2	8	-	79	
"	5	pen	4	9	22	2	1	-	2379	
6AL11	2	pen-1	1	9	18	3	4	3	5689	
"	6	pen-2	5	9	18	3	2	7	134	
6AM5			3	9	25	2	2	-	157	
6AN6		di-1	1	9	20	3	6	-	2	
"		di-2	1	9	18	3	-	-	3	
"		di-3	1	9	20	3	-	-	4	
"		di-4	1	9	21	3	-	-	5	
6AQ4			3	9	21	2	25	1256	●167	
"		●Ignore glow on 1.								
6AQ8		tri-1	4	9	22	2	8	-	67	
"		tri-2	4	9	22	2	3	-	12	
6AR8		pen-1	4	9	24	2	7	-	369	
"		pen-2	4	9	24	2	-	-	368	
6AR11	2	pen-2	3	9	21	2	8	-	4567	
"	8	pen-1	9	9	21	2	6	-	2345	
6AS11	0	tri-1	1	9	23	2	5	-	68	
"		tri-2	1	9	24	2	7	-	34	
"	5	pen	6	9	22	2	1	-	237	

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
6AV11	5	tri-1	6	9	26	2	9	-	12
"		tri-3	6	9	26	2	8	-	37
"	2	tri-2	3	9	26	2	8	-	79
6AX3	5		6	9	24	2	0	29	●29
"		●Ignore glow on 2.							
6AY3			4	9	24	2	9	27	●27
"		●Ignore glow on 2.							
6AY11	0	di-2	1	9	25	2	2	-	3
"		tri-1	1	9	26	2	9	-	78
"		tri-2	1	9	25	2	4	-	56
"	4	di-1	3	9	25	2	2	-	1
6B10	0	tri-1	1	9	25	2	7	-	56
"		tri-2	1	9	25	2	2	-	34
"	6	di-1	7	9	18	3	2	-	3
"		di-2	7	9	18	3	-	-	1
6B32		di-1	3	9	17	3	1	-	7
"		di-2	3	9	17	3	5	-	2
6BA3			4	9	4	1	9	27	2
"		May show short on 2-7.							
6BA11	4	pen-1	3	9	24	2	0	-	678
"	0	pen-2	1	9	24	2	8	-	346
"	8	tri	7	9	26	2	5	-	46
6BB14*			4	9	20	2	38	123678	●12670
"		●Ignore glow on 1-6 - Cap goes to top of tube.							
"		*Must use magnoval adapter.							
6BC5			3	9	23	2	27	27	156
"		Must show short on 2-7.							
"		Cathode short test-throw 2-7 together.							
6BD11	0	tri-1	1	9	24	2	5	-	68
"		tri-2	1	9	25	2	7	-	34
"	5	pen	4	9	25	2	1	-	237
6BE3	2		1	9	23	2	9	60	60
"		Must show short on 6-0.							
6BE7			4	9	23	2	38	38	167
6BF8		di-1	4	9	25	2	6	-	9
"		di-2	4	9	25	2	-	-	8
"		di-3	4	9	25	2	-	-	7
"		di-4	4	9	25	2	-	-	3
"		di-5	4	9	25	2	-	-	2
"		di-6	4	9	25	2	-	-	1
6BF11	0	pen-1	1	9	28	2	2	-	3567
"	8	pen-2	7	9	23	2	4	-	356
6BH11	0	tri-1	1	9	20	2	2	-	34
"		tri-2	1	9	20	2	5	-	67
"	7	pen	6	9	20	2	5	-	234
6BJ3	0		1	9	24	2	7	-	4
6BK4			2	9	22	3	13468	13468	50
6BK8			4	9	26	2	3	27	169

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
6BK11	5	tri-1	6	9	24	2	9	-	12
"		tri-3	6	9	24	2	8	-	37
"	2	tri-2	3	9	24	2	8	-	79
6BN11	7	pen-1	6	9	20	2	2	-	135
"	2	pen-2	1	9	20	2	4	-	567
6BR3			4	9	18	3	0	29	●29
"		●Ignore glow on 2.							
6BR7		tri	9	5	23	2	3	45	12
"		di-1	9	5	18	3	8	-	7
"		di-2	9	5	18	3	-	-	6
6BS3			4	9	16	3	9	27	●27
"		●Ignore glow on 2.							
6BT6		tri	3	9	24	2	2	-	17
"		di-1	3	9	26	3	-	-	5
"		di-2	3	9	26	3	-	-	6
6BV11	7	pen-1	6	9	21	2	2	-	134
"	2	pen-2	1	9	21	2	7	-	568
6BW3	0		1	9	17	3	7	-	4
6BW6			4	9	24	2	3	12	1278
6BW11	7	pen-1	6	9	21	2	4	-	235
"	2	pen-2	1	9	20	2	4	-	567
6BY8		pen	4	9	5	1	9	-	178
"		di	4	9	17	3	3	-	6
6BY11	0	pen-1	1	9	21	2	2	-	3567
"	8	pen-2	7	9	21	2	4	-	356
6BZ3	0		1	9	16	3	7	-	4
6C9		tet-1	4	9	24	2	6	-	789
"		tet-2	4	9	24	2	0	-	123
6C16		tri	4	9	23	2	8	-	19
"		pen	4	9	22	2	7	-	236
6C18		tri	4	9	21	2	68	68	19
"		pen	4	9	19	2	-	-	237
"		Cathode short test throw 6-8 together.							
6CA11	0	tri-1	1	9	24	2	7	-	23
"		tri-2	1	9	21	2	5	-	46
"	8	pen	7	9	21	2	4	-	356
6CC31		tri-1	3	9	24	2	7	-	25
"		tri-2	3	9	24	2	-	-	16
6CC42		tri-1	1	9	24	2	8	-	67
"		tri-2	1	9	24	2	2	-	34
6CC43		tri-1	5	9	22	2	8	-	6-7
"		tri-2	5	9	22	2	3	-	1-2
6CD3	0		1	9	20	2	7	-	4
6CE3	0		1	9	20	2	7	-	4
6CF8			4	9	26	2	3	27	169
6CG3	0		1	9	16	3	7	-	4
6CG8		tri	4	9	24	2	38	38	12
"		pen	4	9	23	2	-	-	679
6CH3			4	9	20	2	9	27	●27
"		●Ignore glow on 2.							
6CJ3			4	9	20	2	9	27	2
"		Lever 7 must be thrown to open position.							

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
6CJ6			4	9	20	2	3	16789	●2780
"		●Ignore	glow on 7.						
6CK3			4	9	20	2	9	27	●27
"		●Ignore	glow on 2.						
6CK6			4	9	22	2	3	-	127
6CL3			4	9	20	2	9	27	●27
"		●Ignore	glow on 2.						
6CM3			4	9	22	2	9	27	●27
"		●Ignore	glow on 2.						
6CM4			4	9	20	2	37	*	●12689
"		*Must show short on 1-2-3-6-7-8-9.							
"		●Ignore	glow on 1-2-6-8.						
6CM5			2	9	23	2	38	1348	459
"		May show short on 1-3-4-8.							
"		Cathode short test-throw 3-8 together.							
6CR8		tri	4	9	22	2	8	-	19
"		pen	4	9	21	2	3	-	267
6CT3			4	9	23	2	9	26	●26
"		●Ignore	glow on 2.						
6DE7		tri-1	4	9	9	1	8	23	67
"		tri-2	4	9	3	1	9	-	●123
"		●Ignore	glow on 2.						
6D1			3	9	24	2	7	15	●156
"		●Ignore	glow on 1.						
6DK3			4	9	23	2	0	27	●27
"		●Ignore	glow on 2-7.						
6DL3			4	9	21	2	0	27	27
6DL4			4	9	21	2	2	13679	18
"		Levers 3-6-7-9 must be thrown to open position.							
6DM4			7	9	24	2	3	-	5
6DN3			5	9	20	2	9	27	27
6DQ4			7	9	18	3	3	-	5
6DR4			3	9	24	2	7	15	●156
"		●Ignore	glow on 1.						
6DQ3	0		1	9	16	3	7	-	4
6DR7		tri-1	4	9	28	2	8	23	67
"		tri-2	4	9	23	2	9	-	●123
"		●Ignore	glow on 2.						
6DS4			4	9	18	3	3	-	12
6DS5			3	9	25	2	2	17	●1756
"		●Ignore	glow on 1.						
6DT3	0		1	9	16	3	7	-	4
6DT4			7	9	4	1	3	15	5
"		Lever 1 must be thrown to open position.							
6DU3	0		1	9	16	3	7	-	4
6DV4			3	9	19	2	7	1246	●1246
"		●Ignore	glow on 1-4.						

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
6DW4			4	9	4	1	9	27	2
"		Lever 7 must be thrown to open position.							
6DY5			2	9	24	2	3	-	279
6DZ4			3	9	24	2	5	-	1267
"		Must show short on 1-2-6-7.							
6DZ8		tri	4	9	28	2	8	-	19
"		pen	4	9	23	2	2	-	367
6E8		tot	2	9	9	1	8	-	34560
"		tri	2	9	11	1	-	-	56
6EA4	2		1	9	26	3	47	47	80
"		Grid cap goes to top of tube.							
6EC4*			4	9	20	2	0	278	●278
"		●Ignore glow on 2-7-Cap goes to top of tube.							
"		*Must use magnoval adapter.							
6ED4*			4	9	32	2	1	123679	80
"		*Must use magnoval adapter.							
"		Cap goes to top of tube.							
6EF4	3		2	9	34	2	8	-	90
"		Cap goes to top of tube.							
6EH4	2		1	9	26	3	47	47	80
"		Cap goes to top of tube.							
6EJ4	3		2	9	35	2	8	15	90
"		Cap goes to top of tube.							
6EL4			2	9	22	3	13468	13468	50
6EN4			2	9	22	3	1348	12345678	560
"		Cathode short test-throw 1-3-4-8 together.							
"		Throw 3-4-8 to open position.							
"		Grid short test-throw 5-6 together.							
6EX6			2	9	22	2	3	-	580
6F19			4	9	22	2	13	13	278
6F21			3	9	6	1	2	-	1567
6F22			4	9	26	2	3	27	169
6F26			4	9	22	2	13	13	278
6F29			4	9	22	2	13	13	2789
6F30			4	9	21	2	13	13	2789
6F33			3	9	4	1	2	-	1567
6F35			3	9	5	1	27	27	159
6FD6			3	9	23	2	7	-	1256
6FD10			3	10	23	2	7	-	1256
6FG6		tri	5	9	21	3	3	268	10
"		eye	5	9	0	4	-	-	●7268
"		●Ignore glow on 2-6. See instructions for eye test.							
6FM7	7	tri-1	6	9	19	3	3	-	45
"	2	tri-2	1	9	18	3	9	-	57
6FQ7		tri-1	4	9	7	1	8	-	67
"		tri-2	4	9	7	1	3	-	12
6FR7		tri-1	4	9	7	1	8	23	67
"		tri-2	4	9	20	2	9	-	●123
"		●Ignore glow on 2.							

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
6FY7	5	tri-1	4	9	8	1	1	-	23
"	2	tri-2	1	9	22	2	9	-	57
6G11	6	pen-1	7	9	23	2	2	-	134
"	2	pen-2	1	9	25	2	4	-	5689
6GA7	4	di	3	9	24	2	0	-	2
"		Must show short on 6-7.							
"	0	pen	1	9	35	2	5	10	237
"		Must show short on 2-3.							
6GB3			2	9	18	3	8	-	450
6GB5*			4	9	22	2	38	123678	160
"		Levers 2-7 must be thrown to open position.							
"		Grid cap goes to top of tube.							
"		*Must use magnoval adapter.							
6GB6			2	9	18	3	8	-	450
6GB7			2	9	4	1	8	-	450
6GB9			2	9	4	1	8	-	450
6GD7		tri	4	9	20	2	38	38	12
"		pen	4	9	20	2	-	-	679
6GE5	5		6	9	23	2	29	2389	●7380
"		●Ignore glow on 3.							
6GF5	5		6	9	23	2	29	2389	●7380
"		●Ignore glow on 3.							
6GF7		tri-1	4	9	29	2	1	-	89
"		tri-2	4	9	23	2	3	-	26
6GJ5			4	9	24	2	3	1267	670
"		Levers 1-2 must be thrown to open position.							
6GJ7		tri	4	9	21	2	13	13	89
"		pen	4	9	20	2	-	-	267
6GK6			4	9	23	2	1	39	278
6GK17			7	9	22	2	3	-	5
6GL7		tri-1	7	9	26	2	6	-	45
"		tri-2	7	9	22	2	3	-	12
6GM5			4	9	25	2	7	-	169
6GM8		tri-1	4	9	23	2	8	-	67
"		tri-2	4	9	23	2	3	-	12
6GN8		tri	4	9	24	2	1	-	23
"		pen	4	9	22	2	6	-	789
6GQ7		di-1	4	9	17	3	9	-	8
"		di-2	4	9	17	3	7	-	6
"		di-3	4	9	17	3	1	-	2
6GS7		tri	4	9	21	2	38	38	12
"		pen	4	9	19	2	-	-	679
6GT5			4	9	23	2	3	1267	●12679
"		●Ignore glow on 1-2.							
6GU5			3	9	21	2	27	27	156
"		Must show short on 2-7.							
6GU7		tri-1	4	9	24	2	8	5	67
"		tri-2	4	9	24	2	3	-	12

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
6GV5	4		3	9	24	2	18	1278	2790
"			Must show short on 1-2-7-8.						
"			Grid cap goes to top of tube.						
			Cathode short test-throw 1-8 together.						
6GV7		tri	4	9	21	2	68	68	19
"		pen	4	9	19	2	-	-	237
			Cathode short test-throw 6-8 together.						
6GV8		tri	4	9	24	2	3	-	12
"		pen	4	9	22	2	8	-	679
6GW5			3	9	20	2	5	26	●126
"			●Ignore glow on 2.						
6GW6			2	9	18	3	8	-	450
6GW8		tri	4	9	26	2	2	-	19
"		pen	4	9	23	2	7	-	368
6GX6			3	9	23	2	2	-	1567
6GX7		tri	4	9	21	2	13	13	89
"		pen	4	9	20	2	-	-	267
6GX8		tri	4	9	21	2	9	-	18
"		eye	4	9	0	4	3	-	67
			See instructions for eye test.						
6GY5	4		3	9	22	2	18	1278	2790
"			Must show short on 1-2-7-8.						
"			Cathode short test-throw 1-8 together.						
6GY6			3	9	21	2	2	-	1567
6GY8		tri-1	4	9	28	2	7	-	6
"		tri-2	4	9	22	2	8	-	39
"		tri-3	4	9	27	2	-	-	12
6GZ5			3	9	21	2	1	25	●2567
"			●Ignore glow on 2.						
6HA5			3	9	21	2	27	27	15
"			Lever 2 must be thrown to open position.						
6HA6			4	9	22	2	1	3689	●2687
"			●Ignore glow on 6.						
6HB5	0		1	9	22	2	4	-	237
6HB6			4	9	22	2	1	3689	●396827
"			●Ignore glow on 3-6.						
6HB7		tri	4	9	23	2	13	13	89
"		pen	4	9	24	2	13	13	267
			Lever 1 must be thrown to open position.						
6HC8		tri	4	9	18	3	8	-	19
"		pen	4	9	18	3	2	-	367
6HD5	0		1	9	20	2	4	59	357
"			Lever 9 must be thrown to open position.						
6HD7		tri	4	9	21	2	13	13	89
"		pen	4	9	22	2	-	-	267
6HE5	2		1	9	19	3	6	0	4580
"			Must show short on 5-0.						

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
6HE7	0	di	1	9	16	3	4	-	2
"		*CAUTION: Lever 5 must be thrown to open position before inserting tube.							
"	8	pen*	7	9	16	2	3	-	46
6HF5	4		3	9	23	2	18	1278	2790
"		Must show short on 1-2-7-8. Grid cap goes to top of tube. Cathode short test-throw 1-8 together.							
6HF8		tri	4	9	24	2	1	-	23
"		pen	4	9	22	2	6	-	789
6HG5			3	9	7	1	2	17	●1756
6HJ5	0	●Ignore glow on 1.							
"		●Ignore glow on 5-7.							
6HJ7		tri	4	9	19	2	13	13	89
"		pen	4	9	20	2	-	-	267
6HJ8		pen	4	9	23	2	1	-	2369
"		di	4	9	24	2	7	-	8
6HK5			3	9	21	2	27	27	15
6HL5			4	9	21	2	3	12	●1279
"		●Ignore glow on 1.							
6HL7			6	9	20	2	1	3459	●39278
"		●Ignore glow on 3.							
6HL8		tri	4	9	22	2	8	-	19
"		pen	4	9	21	2	7	-	236
6HM5			3	9	22	2	27	27	15
"		Lever 2 must be thrown to open position.							
6HM6			4	9	20	2	13	13	278
6HQ5			3	9	20	2	27	27	15
6HR5			3	9	7	1	2	17	●1756
"		●Ignore glow on 1.							
6HR6			3	9	21	2	7	-	156
6HS5	0		1	9	20	2	4	-	27
6HS6			3	9	22	2	7	-	1256
6HT6			4	9	22	2	13	-	278
"		Lever 3 must be thrown to open position.							
6HU6		tri	4	9	29	2	3	268	19
"		eye	4	9	0	4	-	-	67
"		Levers 2-8 must be thrown to open position. See instructions for eye test.							
6HU8		pen-1	4	9	22	2	7	-	123
"		pen-2	4	9	22	2	-	-	689
6HV5	0		1	9	20	2	4	-	27
6HW8			4	9	24	2	7	-	123689
6HZ5	0		1	6	21	2	4	-	27
6HZ6			4	9	17	3	2	-	156
6J9		tri-1	4	9	20	2	0	-	78
"		tri-2	4	9	20	2	-	-	69
"		tri-3	4	9	20	2	3	-	12

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
6J10	0	pen-1	0	9	26	4	8	1	4567
"	6	pen-2	5	9	18	3	9	7	248
6J11	2	pen-2	3	9	22	2	8	-	4567
"	8	pen-1	9	9	22	2	3	-	2456
6JA5	2		1	9	21	2	6	0	4580
"		Must show short on 5-0.							
6JA8		tri	4	9	24	2	1	-	23
"		tet	4	9	24	2	6	-	789
6JB5	2		1	9	19	3	6	0	4580
"		Must show short on 5-0.							
6JB6			4	9	18	3	3	1267	670
"		Levers 1-2 must be thrown to open position.							
6JC5	2		1	9	18	3	6	0	4580
"		Must show short on 5-0.							
6JC6			4	9	22	2	13	13	278
6JC8		tri	4	9	18	3	17	7	89
"		pen	4	9	18	3	-	-	236
"		Cathode short test-throw 1-7 together.							
6JD5	0		1	6	21	2	4	-	27
6JD6			4	9	22	2	13	13	278
6JE6			4	9	23	2	3	1267	●126780
"		●Ignore glow on 1-2-Grid cap goes to top of tube.							
6JF6			4	9	20	2	3	1267	●12670
"		●Ignore glow on 1-2-6-Grid cap goes to top of tube.							
6JG5			4	9	21	2	6	-	789
6JG6			4	9	17	3	3	17	279
"		Lever 1 must be thrown to open position.							
6JH5	0		1	9	20	2	4	78	2378
6JH6			3	9	22	2	2	-	1567
6JH8		sec-1	4	9	24	2	7	5	369
"		sec-2	4	9	24	2	-	-	368
6JK5	0		1	9	20	2	4	78	2378
6JK6			3	9	21	2	2	-	156
6JK8		tri-1	4	9	18	3	8	-	67
"		tri-2	4	9	18	3	3	-	12
6JL6			3	9	22	2	2	-	156
6JM6	3		2	9	21	2	5	-	680
"		Grid cap goes to top of tube.							
6JN6	5		6	9	21	2	7	29	380
6JN8		tri	4	9	22	2	3	-	12
"		pen	4	9	23	2	8	-	679
6JQ6		pen	4	9	22	2	9	78	●12378
"		di	4	9	32	2	-	-	6
"		●Ignore glow on 7 - May show short on 2.							
6JR6			4	9	28	3	3	17	279
"		Lever 1 must be thrown to open position.							
6JS6	3		4	9	20	2	5	16	●1680
"		●Ignore glow on 1 - Cap goes to top of tube.							

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
6JT6			4	9	23	2	3	17	279
"		Lever 1 must be thrown to open position.							
6JT8		tri	4	9	23	2	1	-	23
"		pen	4	9	21	2	6	-	789
6JU6			4	9	20	2	3	1267	●12670
"		●Ignore glow on 1-2-6. Grid cap goes to top of tube.							
6JU8		di-1	4	9	24	2	9	*	78
"		di-2	4	9	24	2	98	-	7
"		di-3	4	9	24	2	3	-	12
"		di-4	4	9	24	2	32	-	1
"		*Must show short on 2-8.							
6JV8		tri	4	9	18	3	1	-	23
"		pen	4	9	17	3	-	-	789
6JW8		tri	4	9	22	2	8	-	19
"		pen	4	9	21	2	7	-	236
6JX8		tri	4	9	23	2	3	-	89
"		hep	4	9	21	2	-	-	267
6JY8		tri	4	9	23	2	1	-	23
"		pen	4	9	24	2	6	-	789
6JZ6	3		2	9	20	2	5	-	780
"		Grid cap goes to top of tube.							
6JZ8	8	pen	9	9	23	2	4	12	●1230
"		●Ignore glow on 1.							
"	5	tri	6	9	26	2	3	-	27
6KA8		tri	4	9	24	2	3	-	12
"		pen	4	9	22	2	3	-	6789
6KD6	4		3	9	20	2	6	1278	●2790
"		●Ignore glow on 2. Cap goes to top of tube.							
6KD8		tri	4	9	22	2	8	-	19
"		pen	4	9	22	2	7	-	236
6KE8		tri	4	9	24	2	8	-	19
"		pen	4	9	23	2	7	-	236
6KF8		pen-1	4	9	21	2	1	-	278
"		pen-2	4	9	21	2	-	-	237
6KG6*			4	9	20	2	9	123678	680
"		*Must use magnoval adapter.							
"		Grid cap goes to top of tube.							
"		Levers 1-3 must be thrown to open position.							
6KH8			4	9	23	2	7	-	1-2
"			4	9	23	2	-	-	2-3-9
"			4	9	23	2	-	-	6-8-9
6KL8		pen	4	9	24	2	3	-	1267
"		di	4	9	28	3	-	-	8
6KM6			4	9	21	2	3	1267	670
"		Levers 1-2 must be thrown to open position.							
"		Grid cap goes to top of tube.							
6KM8		di	4	9	27	3	6	-	3
"		tet-1	4	9	5	1	-	-	178
"		tet-2	4	9	6	1	-	-	278
"		tet-3	4	9	5	1	-	-	789

TUBE	KEY AT SECT	A	B	C	D	CATH	CONT	TEST
6KN6	6	5	9	20	2	8	4-9	●2490
"	●Ignore glow on 4. Cap goes to top of tube.							
6KN8	tri-1	4	9	20	2	8	-	67
"	tri-2	4	9	20	2	3	-	12
6KR8	tri	4	9	20	2	1	-	23
"	pen	4	9	20	2	6	-	789
6KS6		3	9	41	3	1	-	2567
6KS8	tri	4	9	25	2	1	-	23
"	pen	4	9	23	2	6	-	789
6KT6		4	9	21	2	13	13	278
6KT8	tri	4	9	21	2	1	-	23
"	pen	4	9	20	2	6	-	789
6KU8	di-1	4	9	25	3	1	-	3
"	di-2	4	9	25	3	1	-	2
"	pen	4	9	22	2	6	-	789
6KV6		4	9	20	2	3	17	279
"	Lever 1 must be thrown to open position.							
6KV8	tri	4	9	23	2	1	-	23
"	pen	4	9	21	2	6	-	789
6KX8	tri-1	4	9	24	2	8	-	79
"	tri-2	4	9	24	2	2	-	13
6KY6		4	9	20	2	1	39	278
6KY8	tri	4	9	25	2	1	-	89
"	pen	4	9	21	2	3	-	267
6KZ8	tri	4	9	22	2	8	-	19
"	pen	4	9	22	2	3	-	267
6LB6	4	3	9	21	2	6	1278	●2790
"	●Ignore glow on 2. Cap goes to top of tube.							
6LB8	tri	4	9	29	2	1	-	23
"	pen	4	9	22	2	6	-	789
6LC6		2	9	35	2	6	134	50
6LC8	tri	4	9	24	2	3	5	12
"	pen	4	9	22	2	7	5	689
"	May show short on 3-7.							
6LD6		4	9	20	2	1	3689	●2687
"	●Ignore glow on 6.							
6LE8	pen-1	4	9	22	2	3	-	189
"	pen-2	4	9	22	2	-	-	689
6LF6	4	3	9	21	2	6	1278	●2790
"	●Ignore glow on 2. Cap goes to top of tube.							
6LF8	tri	4	9	24	2	1	-	23
"	pen	4	9	21	2	6	-	789
6LG6	4	3	9	22	2	18	1278	790
6LH6		2	9	32	2	6	134	50
6LJ6		2	9	36	2	6	134	50
6LJ8	tri	4	9	21	2	38	38	12
"	pen	4	9	20	2	-	-	679
6LM8	tri	4	9	23	2	8	-	19
"	pen	4	9	23	2	7	-	236

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
6LN8		tri	4	9	23	2	8	-	19
"		pen	4	9	22	2	7	-	236
6LQ6			4	9	23	2	3	1267	●126780
"		●Ignore glow on 1-2. Cap goes to top of tube.							
6LQ8		tri	4	9	20	2	1	-	23
"		pen	4	9	20	2	6	-	789
6LR6	3		4	9	22	2	5	16	●1680
"		●Ignore glow on 1. Cap goes to top of tube.							
6LR8		tri	4	9	21	2	1	-	89
"		pen	4	9	20	2	3	-	267
6LT8		di-1	4	9	16	3	7	-	8
"		di-2	4	9	16	3	7	-	6
"		pen	4	9	19	2	1	-	239
"		May show short on 1.							
6LU6			4	9	20	2	2	-	1567
6LU8	5	tri	6	9	21	2	3	-	27
"	8	pen	9	9	21	2	4	12	●1230
"		●Ignore glow on 1.							
6LV6	4		3	9	21	2	6	1278	●2790
"		●Ignore glow on 2. Cap goes to top of tube.							
6LW6			7	9	21	2	26	1256	●1350
"		●Ignore glow on 1.							
6LX6	3		4	9	23	2	5	16	●1680
"		●Ignore glow on 1. Cap goes to top of tube.							
6LX8		tri	4	9	22	2	8	-	19
"		pen	4	9	21	2	7	-	236
6LY8		tri	4	9	22	2	1	-	23
"		pen	4	9	20	2	6	-	789
6LZ6			4	9	23	2	3	1267	●12679
"		●Ignore glow on 1-2.							
6M11	0	tri-1	1	9	22	2	9	-	78
"		tri-2	1	9	22	2	4	-	56
"	4	pen	5	9	23	2	1	-	267
6MA6			3	9	20	3	7	2458	60
6MB6	5		6	9	19	3	7	2389	123890
"		Cap goes to top of tube.							
6MB8		tri	4	9	20	2	3	-	12
"		pen	4	9	19	2	8	-	679
6MC6			4	9	20	2	3	1267	120
"		Levers 6-7 must be thrown to open position.							
"		Grid cap goes to top of tube.							
6MD8		tri-1	4	9	22	2	7	-	36
"		tri-2	4	9	22	2	-	-	28
"		tri-3	4	9	22	2	-	-	19
6ME6			4	9	20	2	4	1267	120
"		Levers 6-7 must be thrown to open position.							
"		Grid cap goes to top of tube.							
6ME8		sec-1	4	9	21	2	7	-	369
"		sec-2	4	9	21	2	-	-	368
6MF8	8	pen	9	9	22	2	4	12	●1230
"		●Ignore glow on 1.							
"	5	tri	6	9	21	2	3	-	27
6MG8		tri	4	9	21	2	8	-	19
"		pen	4	9	21	2	7	-	236

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
6MH1			3	9	4	1	2	156	●1567
"		●Ignore glow	on 1-5.						
6MH6	4		3	9	21	2	6	1278	●2790
		●Ignore glow	on 2. Cap goes to top of tube.						
6MHH3		tri	3	9	24	2	7	-	25
"		tri	3	9	24	2	-	-	16
6MJ6			4	9	23	2	3	1267	●126780
"		●Ignore glow	on 1-2. Grid cap goes to top of tube.						
6MJ8	0	tri-1	1	9	22	2	3	-	68
"	4	tri-2	3	9	22	2	7	-	18
"		tri-3	3	9	22	2	-	-	26
6MK8		pen-1	4	9	22	2	1	-	237
"		pen-2	4	9	22	2	-	-	278
6ML4			3	9	24	2	5	-	1267
		Must show short on 1-2-6-7.							
6ML8		tri-1	4	9	22	2	7	-	36
"		tri-2	4	9	22	2	-	-	28
"		tri-3	4	9	22	2	-	-	19
6MN8	6	tri-1	7	9	24	2	-	-	48
"	5	tri-2	6	9	24	2	-	-	29
"	0	tri-3	1	9	24	2	3	-	68
6MP17			4	9	25	2	2	-	156
6MP18			3	9	3	1	2	17	●1567
		●Ignore glow	on 1.						
6MP20			3	5	25	2	2	-	156
6MQ8		tri	4	9	24	2	8	-	19
"		pen	4	9	23	2	7	-	236
6MU8		tri	4	9	24	2	8	-	19
"		pen	4	9	24	2	7	-	236
6MV8		tri	4	9	21	2	1	-	23
"		pen	4	9	22	2	6	-	789
6MX8		tri	4	9	25	2	1	-	89
"		pen	4	9	21	2	3	-	267
6MY8	5	tri	6	9	21	2	3	-	27
"	8	pen	9	9	21	2	4	12	●1230
		●Ignore glow	on 1.						
6N3			4	9	24	2	3	-	9
6PL12		tri	4	9	23	2	8	-	19
"		pen	4	9	23	2	-	-	367
6Q8		tot	2	9	9	1	8	-	34560
"		tri	2	9	9	1	-	-	56
6Q11	5	tri-1	6	9	25	2	9	-	12
"		tri-3	6	9	25	2	8	-	37
"	2	tri-2	3	9	25	2	8	-	79
6R3			4	9	22	2	0	*	29
"		*May show short on all pins.							
6R4			4	9	23	2	3	-	18
6RA6			5	9	17	3	1	27	279
"		Must show short on 2-7.							
"		Grid short test-throw 2-7 together.							
6RA9			4	9	23	2	1	27	279
"		Grid short test-throw 2-7 together.							

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
6RB11			4	9	25	2	7	36	1396
6RHH2		tri	4	9	24	2	8	-	67
"		tri	4	9	24	2	3	-	12
6RHH8		tri-1	4	9	20	2	8	-	67
"		tri-2	4	9	20	2	3	-	12
6RK19			4	9	18	3	0	29	●29
"		●Ignore glow on 2.							
6RP15			4	9	25	2	3	12	●1279
"		●Ignore glow on 1.							
6RP22			4	9	20	2	1	2389	●236
"		●Ignore glow on 2-Throw levers 8-9 to open position.							
6T9	4	tri	3	9	25	2	9	-	68
"	8	pen	7	9	3	1	4	-	356
6T10	6	pen-1	5	9	19	3	2	-	134
"	2	pen-2	1	9	19	3	4	-	5789
6U3			4	9	24	2	3	-	9
6U9		tri	5	9	22	2	1	-	90
"		pen	5	9	20	2	2	-	378
6U10	5	tri-1	4	9	26	2	9	-	12
"	0	tri-2	1	9	26	2	6	-	57
"	3	tri-3	4	9	26	2	6	-	15
6V9		tri	5	9	20	2	9	-	80
"		hep	5	9	21	2	1	-	347
6X9		tri	5	9	22	2	1	-	90
"		pen	5	9	20	2	2	-	378
6Y9		pen-1	5	9	20	2	7	-	890
"		pen-2	5	9	20	2	2	-	134
6Y10	6	pen-1	5	9	21	2	2	-	134
"	2	pen-2	1	9	20	2	4	-	5789
6Z10	0	pen-1	0	9	26	4	8	1	4567
"	6	pen-2	5	9	18	3	9	7	248
7D10			4	9	3	1	3	-	278
7GS7		tri	4	10	21	2	38	38	12
"		pen	4	10	20	2	-	-	679
7GV7		tri	4	10	21	2	68	68	19
"		pen	4	10	19	2	-	-	237
"		Cathode short test-throw 6-8 together.							
7KY6			4	10	20	2	1	39	278
7KZ6			4	10	21	2	1	39	278
7MP18			3	9	3	1	2	17	●1567
"		●Ignore glow on 1.							
8A8		tri	4	12	24	2	8	-	19
"		pen	4	12	24	2	7	-	236
8AC9	0	di	1	11	16	3	3	3	2
"	7	pen	6	11	20	2	6	-	345
8AC10	5	tri-1	4	11	21	2	9	-	12
"	0	tri-2	1	11	21	2	6	-	57
"	3	tri-3	4	11	21	2	6	-	15

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
8AL9	2	tri	3	11	21	2	8	-	79
"	5	pen	4	11	22	2	1	-	2379
8AR11	2	pen-2	3	11	21	2	8	-	4567
"	8	pen-1	9	11	21	2	6	-	2345
8AV11	5	tri-1	6	11	26	2	9	-	12
"		tri-3	6	11	26	2	8	-	37
"	2	tri-2	3	11	26	2	8	-	79
8B8		tri	4	10	25	2	8	-	19
"		pen	4	10	23	2	2	-	367
8B10	0	tri-1	1	11	25	2	7	-	56
"		tri-2	1	11	25	2	2	-	34
"	6	di-1	7	11	18	3	2	-	3
"		di-2	7	11	18	3	-	-	1
8BA11	4	pen-1	3	11	24	2	0	-	678
"	0	pen-2	1	11	24	2	8	-	346
"	8	tri	7	11	26	2	5	-	46
8BM11	0	pen-2	1	11	21	2	5	-	236
"	8	pen-1	7	11	21	2	5	-	246
8BN11	7	pen-1	6	11	20	2	2	-	135
"	2	pen-2	1	11	20	2	4	-	567
8BQ7		tri-1	4	10	24	2	8	-	67
"		tri-2	4	10	24	2	3	-	12
8BQ11	2	pen-2	3	11	19	2	8	-	457
"	8	pen-1	9	11	19	2	6	-	345
8BU11	0	tri-1	1	10	21	2	2	-	34
"		tri-2	1	10	21	2	5	-	67
"	7	pen	6	10	21	2	5	-	234
8CB11	2	pen-2	3	11	21	2	8	-	4567
"	8	pen-1	9	11	21	2	6	-	2345
8CL8		tri	4	10	23	2	3	-	12
"		tet	4	10	23	2	8	-	679
8CY5			3	11	23	2	27	27	156
8D8			4	11	26	2	3	27	1689
8DX8		tri	4	11	23	2	3	-	12
"		pen	4	11	23	2	7	-	689
8FQ7		tri-1	4	11	6	1	8	-	67
"		tri-2	4	11	6	1	3	-	12
8GJ7		tri	4	11	21	2	13	13	89
"		pen	4	11	20	2	-	-	267
8GM6			3	11	21	2	2	-	1567
8GN8		tri	4	11	24	2	1	-	23
"		pen	4	11	22	2	6	-	789
8GU7		tri-1	4	11	24	2	8	-	67
"		tri-2	4	11	24	2	3	-	12
8GX7		tri	4	10	21	2	13	13	89
"		pen	4	10	20	2	-	-	267
8HA6			4	11	22	2	1	3689	●2687
"		●Ignore glow on 6.							
8HG8		tri	4	11	23	2	3	13	67
"		pen	4	11	22	2	1	13	289

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
8JK8		tri-1	4	11	18	3	8	-	67
"		tri-2	4	11	18	3	3	-	12
8JT8		tri	4	10	23	2	1	-	23
"		pen	4	10	21	2	6	-	789
8JU8		di-1	4	11	24	2	9	*	78
"		di-2	4	11	24	2	98	-	7
"		di-3	4	11	24	2	3	-	12
"		di-4	4	11	24	2	32	-	1
		*Must show short on 2-8.							
8JV8		tri	4	11	18	3	1	-	23
"		pen	4	11	17	3	-	-	789
8K11	0	tri-2	1	10	7	1	6	-	57
"	5	tri-1	6	10	7	1	9	-	12
"		tri-3	6	10	7	1	8	-	37
8KA8		tri	4	11	24	2	3	-	12
"		pen	4	11	22	2	3	-	6789
8KR8		tri	4	10	20	2	1	-	23
"		pen	4	10	20	2	6	-	789
8KS8		tri	4	10	25	2	1	-	23
"		pen	4	10	23	2	6	-	789
8KT8		tri	4	11	21	2	1	-	23
"		pen	4	11	20	2	6	-	789
8LC8		tri	4	10	24	2	3	5	12
"		pen	4	10	22	2	7	5	689
		May show short on 3-7.							
8LE8		pen-1	4	11	22	2	3	-	189
"		pen-2	4	11	22	2	-	-	689
8LS6			4	10	22	2	1	39	2379
8LT8		di-1	4	11	16	3	7	-	8
"		di-2	4	11	16	3	7	-	6
"		pen	4	11	19	2	1	-	239
		May show short on 1.							
8LX8		tri	4	10	22	2	8	-	19
"		pen	4	10	21	2	7	-	236
8MD8		tri-1	4	10	22	2	7	-	36
"		tri-2	4	10	22	2	-	-	28
"		tri-3	4	10	22	2	-	-	19
8MU8		tri	4	11	24	2	8	-	19
"		pen	4	11	24	2	7	-	236
8RHP1		tri	4	10	25	2	8	-	19
"		pen	4	10	23	2	2	-	367
8U9		tri	5	10	22	2	1	-	90
"		pen	5	10	20	2	2	-	378
8X9		tri	5	10	22	2	1	-	90
"		pen	5	10	20	2	2	-	378
9A8		tri	4	12	24	2	8	-	19
"		pen	4	12	24	2	7	-	236
9AB4			3	12	22	2	7	-	16
9AH9	0	tri	1	11	23	2	4	56	23
"	7	pen	1	11	21	2	1	-	250

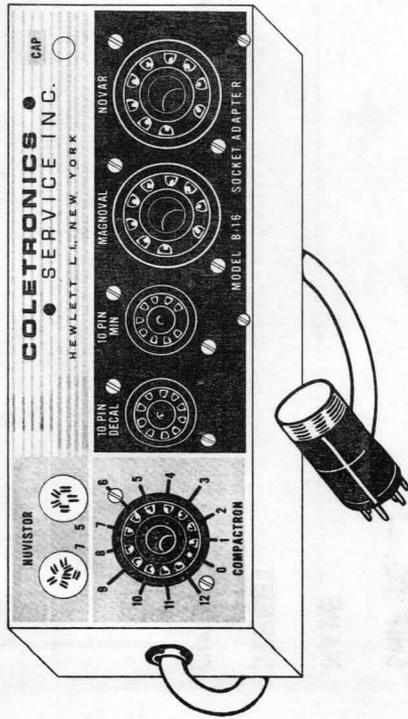
TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
9AK10	0	tri-2	1	12	22	2	6	-	57
"	6	tri-1	5	12	22	2	9	-	48
"	8	tri-3	7	12	22	2	0	-	45
9AM10	0	tri-2	1	12	22	2	6	-	57
"	6	tri-1	5	12	22	2	9	-	48
"	8	tri-3	7	12	22	2	0	-	45
9BJ11	0	pen-2	1	12	16	2	5	-	236
"	8	pen-1	7	12	16	2	5	-	246
9CG8		tri	4	12	24	2	38	38	12
"		pen	4	12	23	2	-	-	679
9DZ8		tri	4	12	28	2	8	-	19
"		pen	4	12	23	2	2	-	367
9EA8		tri	4	12	22	2	8	-	19
"		pen	4	12	22	2	7	-	236
9ED4*			4	10	32	2	1	123679	80
"		Cap goes to top of tube.							
"		*Must use magnoval adapter.							
9FG6		tri	4	6	34	2	3	268	19
"		eye*	4	6	0	4	-	-	67
"		*Levers 2-8 must be thrown to open position.							
"		See instructions for eye test.							
9GH8		tri	4	12	22	2	8	-	19
"		pen	4	12	22	2	7	-	236
9GV8		tri	4	12	24	2	3	-	12
"		pen	4	12	22	2	8	-	679
9JW8		tri	4	12	22	2	8	-	19
"		pen	4	12	21	2	7	-	236
9KC6			4	11	20	2	1	-	279
9KG6#			4	12	20	2	9	*	680
"		*Cont test-1-2-3-6-7-8.							
"		Levers 1-2-3 must be thrown to open position. Cap goes to top of tube.							
"		#Must use magnoval adapter.							
9KV8		tri	4	11	23	2	1	-	23
"		pen	4	11	21	2	6	-	789
9KX6			4	11	20	2	1	39	278
9KZ8		tri	4	12	22	2	8	-	19
"		pen	4	12	22	2	3	-	267
9LA6			4	11	21	2	1	39	278
9MHH3		tri-1	3	11	23	2	7	-	25
"		tri-2	3	11	23	2	-	-	16
9ML8		tri-1	4	11	22	2	7	-	36
"		tri-2	4	11	22	2	-	-	28
"		tri-3	4	11	22	2	-	-	19
9MN8	6	tri-1	7	11	24	2	-	-	48
"	5	tri-2	6	11	24	2	-	-	29
"	0	tri-3	1	11	24	2	3	-	68
9MP12			3	11	22	2	2	-	156

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST	
9RA6			5	11	17	3	1	27	279	
"			Must show short on 2-7.							
"			Grid short test-throw 2-7 together.							
9RAL1		tri-1	4	11	25	2	8	23	67	
"		tri-2	4	11	21	2	9	-	●123	
"			●Ignore glow on 2.							
9RHR2		tri	4	12	22	2	8	-	19	
"		pen	4	12	22	2	7	-	236	
9V9		tri	5	12	20	2	9	-	80	
"		hep	5	12	21	2	1	-	347	
10AF11	0	tri-1	1	12	24	2	5	-	68	
"		tri-2	1	12	25	2	7	-	34	
"	5	pen	6	12	25	2	1	-	237	
10AL11	2	pen-1	1	12	18	3	4	3	5689	
"	6	pen-2	5	12	18	3	2	7	134	
10CW5			4	12	21	2	3	*	●126789	
"			*Cont test 1-2-3-6-7-8.							
"			●Ignore glow on 1-6-7.							
"			May show short on 1-2-6-7-8-9.							
10DX8		tri	4	12	23	2	3	-	12	
"		pen	4	12	23	2	7	-	689	
10EM7		tri-1	7	12	26	2	6	-	45	
"		tri-2	7	12	22	2	3	-	12	
10FD12		pen	4	16	24	2	3	-	1269	
"		di-1	4	16	21	3	-	-	7	
"		di-2	4	16	21	3	-	-	8	
10FR7		tri-1	4	12	7	1	8	23	67	
"		tri-2	4	12	20	2	9	-	●123	
"			●Ignore glow on 2.							
10GF7		tri-1	4	12	29	2	1	-	89	
"		tri-2	4	12	23	2	3	-	26	
10GH8		tri	4	12	22	2	8	-	19	
"		pen	4	12	22	2	7	-	236	
10GK6			4	12	23	2	1	39	●2379	
"			●Ignore glow on 3.							
10GN8		tri	4	12	24	2	1	-	23	
"		pen	4	12	22	2	6	-	789	
10GV8		tri	4	12	24	2	3	-	12	
"		pen	4	12	22	2	8	-	679	
10HA6			4	12	22	2	1	3689	●2687	
"			●Ignore glow on 6.							
10HF8		tri	4	12	24	2	1	-	23	
"		pen	4	12	22	2	6	-	789	
10JA5	2		1	12	21	2	6	0	4580	
"			Must show short on 5-0.							
10JA8		tri	4	12	24	2	1	-	23	
"		tet	4	12	24	2	6	-	789	
10JT8		tri	4	12	23	2	1	-	23	
"		pen	4	12	21	2	6	-	789	

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
10JY8		tri	4	12	18	3	1	-	23
"		pen	4	12	18	3	6	-	789
10KR8		tri	4	12	20	2	1	-	23
"		pen	4	12	20	2	6	-	789
10KU8		di-1	4	12	25	3	1	5	3
"		di-2	4	12	25	3	1	-	2
"		pen	4	12	22	2	6	-	789
10L14		tri-1	4	18	22	2	8	-	67
"		tri-2	4	18	22	2	3	-	12
10P18			4	19	23	2	3	12689	●126897
"		●Ignore glow on 1-6-8.							
10LB8		tri	4	12	29	2	1	-	23
"		pen	4	12	22	2	6	-	789
10LD6			4	12	20	2	1	3689	●2687
"		●Ignore glow on 6.							
10LD12		tri	4	18	25	2	7	-	89
"		di-1	4	18	25	3	-	-	6
"		di-2	4	18	17	3	3	-	2
"		di-3	4	18	17	3	-	-	1
10LD13		tri	4	13	8	1	3	79	12
"		di-1	4	13	26	3	-	-	8
"		di-2	4	13	26	3	-	-	6
10LE8		pen-1	4	12	22	2	3	-	189
"		pen-2	4	12	22	2	-	-	689
10LM8		tri	4	12	23	2	8	-	19
"		pen	4	12	23	2	7	-	236
10LW8		tri	4	12	21	2	1	-	23
"		pen	4	12	20	2	6	-	789
10LY8		tri	4	12	22	2	1	-	23
"		pen	4	12	20	2	6	-	789
10LZ8		tri	4	12	22	2	1	-	23
"		pen	4	12	20	2	6	-	789
10T10	6	pen-1	5	12	19	3	2	-	134
"	2	pen-2	1	12	19	3	4	-	5789
10Z10	0	pen-1	0	12	26	4	8	-	4567
"	6	pen-2	5	12	18	3	9	7	248
11AF9		pen-1	5	12	20	2	7	-	890
"		pen-2	5	12	20	2	2	-	134
"		May show short on 2.							
11AR11	2	pen-2	3	12	21	2	8	-	4567
"	8	pen-1	9	12	21	2	6	-	2345
11BM8		tri	4	13	23	2	8	-	19
"		pen	4	13	23	2	2	-	367
11BN11	7	pen-1	6	12	20	2	2	-	135
"	2	pen-2	1	12	20	2	4	-	567
11BQ11	2	pen-2	3	12	19	2	8	-	457
"	8	pen-1	9	12	19	2	6	-	345
11BT11	2	tri-1	1	12	23	2	8	-	79
"	5	tri-2	4	12	21	2	9	-	18
"	6	pen	5	12	21	2	1	-	348
11CA11	0	tri-2	1	12	24	2	7	-	23
"		tri-1	1	12	21	2	5	-	46
"	8	pen	7	12	21	2	4	-	356

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST	
11CF11	0		1	12	20	2	6	-	345	
"	5		6	12	20	2	0	-	37	
"	6		7	12	22	2	1	-	23	
11CH11	2	tri-1	1	12	22	2	8	-	79	
"	5	tri-2	4	12	21	2	9	-	18	
"	6	pen	5	12	21	2	1	-	348	
11CY7		sec-1	4	12	28	2	8	-	67	
"		sec-2	4	12	23	2	9	23	●123	
"		●Ignore	glow on 2.							
11DS5			3	12	25	2	2	17	●1756	
"		●Ignore	glow on 1.							
11FY7	5	tri-1	4	12	8	1	1	-	23	
"	2	tri-2	1	12	22	2	9	-	57	
11HM7			6	8	20	2	1	3459	278	
11KV8		tri	4	12	23	2	1	-	23	
"		pen	4	12	21	2	6	-	789	
11LQ8		tri	4	12	20	2	1	-	23	
"		pen	4	12	20	2	6	-	789	
11LT8		di-1	4	12	16	3	7	-	8	
"		di-2	4	12	16	3	7	-	6	
"		pen	4	12	19	2	1	-	239	
"			May show short on 1.							
11LY6			4	12	21	2	1	39	2789	
"			Lever 3 must be thrown to open position.							
11MS8		tri	4	12	24	2	3	-	12	
"		pen	4	12	22	2	8	-	679	
11R3			4	12	22	2	0	*	29	
"			*May show short on all pins.							
11Y9		pen-1	5	12	20	2	7	-	890	
"		pen-2	5	12	20	2	2	-	134	
12AC10	5	tri-1	4	13	21	2	9	-	12	
"	0	tri-2	1	13	21	2	6	-	57	
"	3	tri-3	4	13	21	2	6	-	15	
12AF11	0	tri-1	1	13	24	2	5	-	68	
"		tri-2	1	3	25	2	7	-	34	
"	5	pen	6	13	25	2	1	-	237	
12AE10	6	pen-1	5	13	16	3	2	-	134	
"	2	pen-2	1	13	16	3	4	-	5789	
12AF4			3	13	23	2	5	1267	●1726	
"		●Ignore	glow on 1-2.							
12AJ7		tri	4	13	25	2	3	-	89	
"		hep	4	13	23	2	3	-	126	
12AL11	2	pen-1	1	13	18	3	4	3	5689	
"	6	pen-2	5	13	18	3	2	7	134	
12AU8		tri	4	13	24	2	1	-	23	
"		pen	4	13	24	2	6	-	789	
12AW6			3	13	22	2	2	-	156	
12AX3	5		6	13	24	2	0	29	●29	
"		●Ignore	glow on 2.							
12AX12			7	13	23	2	0	28	281	

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## TEST ALL THE NEW TUBES

10 PIN MIN  
12 PIN COMPACTRON  
5 PIN NUUVISTOR  
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AND NEWLY RELEASED TYPES

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### MODEL B-16 ADAPTER

- A SOCKET ADAPTER UNIT THAT INSTANTLY MODERNIZES YOUR TUBE TESTER FOR ABOVE TYPE TUBES.
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TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
12AY3			4	13	24	2	9	27	●27
"		●Ignore glow on 2.							
12BB14*			4	13	20	2	38	123678	●12670
"		●Ignore glow on 1-6. Cap goes top of tube.							
"		*Must use magnoval adapter.							
12BE3	2		1	13	23	2	9	60	60
"		Must show short on 6-0.							
12BF11	0	pen-1	1	13	28	2	2	-	3567
"	8	pen-2	7	13	23	2	4	-	356
12BR3			4	13	18	3	0	29	●29
"		●Ignore glow on 2.							
12BS3			4	13	16	3	9	27	●27
"		●Ignore glow on 2.							
12BT3	0		1	13	2	4	7	-	4
12BT6		tri	3	13	24	2	2	-	17
"		di-1	3	13	26	3	-	-	5
"		di-2	3	13	26	3	-	-	6
12BV11	7	pen-1	6	13	21	2	2	-	134
"	2	pen-2	1	13	21	2	7	-	568
12CK3			4	13	20	2	9	27	●27
"		●Ignore glow on 2.							
12CL3			4	9	20	2	9	27	●27
"		●Ignore glow on 2.							
12CT3			4	13	23	2	9	26	●26
"		●Ignore glow on 2.							
12DA6			4	13	24	2	3	16	278
12DK6			3	13	23	2	2	-	1567
12DM4			7	13	24	2	3	-	5
12DM7		tri-1	9	9	27	2	8	45	67
"		tri-2	9	9	27	2	3	-	12
12DQ4			7	13	18	3	3	-	5
12DT6			3	13	24	2	2	-	1567
12DT7		tri-1	9	9	27	2	8	45	67
"		tri-2	9	9	27	2	3	-	12
12DW4			4	13	4	1	9	27	2
"		Lever 7 must be thrown to open position.							
12DZ7		pen-1	2	13	5	1	8	-	456
"		pen-2	2	13	5	1	-	-	134
12DZ8		tri	4	13	28	2	8	-	19
"		pen	4	13	23	2	2	-	367
12E13			2	9	24	2	8	-	345
12FQ7		tri-1	4	13	7	1	8	-	67
"		tri-2	4	13	7	1	3	-	12
12FS5			3	13	22	2	27	27	156
12FV7		tri-1	5	9	18	3	8	49	67
"		tri-2	4	9	18	3	3	59	12
12FX5			3	13	17	3	1	25	267
"		Lever 5 must be thrown to open position.							
12G11	6	pen-1	7	13	23	2	2	-	134
"	2	pen-2	1	13	25	2	4	-	5689

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
12GB3			2	13	20	2	8	-	450
12GB7			2	13	4	1	8	-	450
12GC5			4	13	23	2	7	1363	●18369
"			●Ignore glow on 1-3.						
12GJ5			4	13	24	2	3	1267	670
"			Levers 1-2 must be thrown to open position.						
12GK17			7	13	7	1	3	-	5
12GN7			6	9	21	2	1	39	278
12GT5			4	13	23	2	3	1267	●12679
"			●Ignore glow on 1-2.						
12GV5	4		3	13	24	2	18	1278	2790
"			Must show short on 1-2-7-8.						
"			Cathode short test-throw 1-8 together.						
"			Grid cap goes to top of tube.						
12GW6			2	13	18	3	8	-	450
12HB25*			4	13	21	2	9	123678	●12670
"			●Ignore glow on 1-6. Cap goes top of tube.						
"			*Must use magnoval adapter.						
12HE7	0	di	1	13	16	3	4	-	2
"			*CAUTION: Lever 5 must be thrown to open						
"			position before inserting tube.						
"	8	pen*	7	13	16	2	3	-	46
12HG7			6	9	20	2	1	39	278
12HL5			4	13	21	2	3	12	●1279
"			●Ignore glow on 1.						
12HL7			6	9	20	2	1	3459	●39278
"			●Ignore glow on 3.						
12HU8		pen-1	4	13	22	2	7	-	123
"		pen-2	4	13	22	2	-	-	689
12JB6			4	13	18	3	3	1267	670
"			Levers 1-2 must be thrown to open position.						
12JF5	5		4	13	20	2	29	2389	3780
"			Grid cap goes to top of tube.						
12JM6	3		2	13	21	2	5	-	680
"			Grid cap goes to top of tube.						
12JN6	5		6	13	21	2	7	29	380
12JN8		tri	4	13	22	2	3	-	12
"		pen	4	13	23	2	8	-	679
12JQ6		pen	4	13	22	2	9	2378	12378
"		di	4	13	21	3	-	-	6
12JS6	3		4	13	20	2	5	16	●1680
"			●Ignore glow on 1. Grid cap goes to top of tube.						
12JT6			4	13	23	2	3	17	279
"			Lever 1 must be thrown to open position.						
12JZ8	8	pen	9	13	23	2	4	12	●1230
"			●Ignore glow on 1.						
"	5	tri	6	13	26	2	3	-	27
12KA8		tri	4	13	24	2	3	-	12
"		pen	4	13	22	2	3	-	6789

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
12KL8		pen	4	13	24	2	3	-	1267
"		di	4	13	28	3	-	-	8
12MD8		tri-1	4	13	22	2	7	-	36
"		tri-2	4	13	22	2	-	-	28
"		tri-3	4	13	22	2	-	-	19
12MX8		tri	4	13	25	2	1	-	89
"		pen	4	13	21	2	3	-	267
12RK19			4	13	17	3	0	29	●29
		●Ignore glow on 2.							
12RLL3		tri-1	9	9	22	2	8	45	67
"		tri-2	9	9	22	2	3	-	12
12RLL5		tri-1	4	13	7	1	8	-	67
"		tri-2	4	13	7	1	3	-	12
12T10	6	pen-1	5	13	19	3	2	-	134
"	2	pen-2	1	13	19	3	4	-	5789
13CM5			2	13	23	2	38	1348	459
"		Must show short on 1-3-4-8.							
"		Cathode short test-throw 3-8 together.							
13CW4			4	13	17	3	3	-	12
13CW9			4	12	17	3	3	-	27
13FM7	7	tri-1	6	13	19	3	3	-	45
"	2	tri-2	1	13	19	3	9	-	57
13FR7		tri-1	4	13	7	1	8	23	67
"		tri-2	4	13	20	2	9	-	●123
"		●Ignore glow on 2.							
13GB5*			4	13	22	2	38	123678	160
"		*Must use magnoval adapter.							
"		Grid cap goes to top of tube.							
"		Levers 2-7 must be thrown to open position.							
13GF7		tri-1	4	13	29	2	1	-	89
"		tri-2	4	13	23	2	3	-	26
13J10	0	pen-1	0	13	26	4	8	1	4567
"	6	pen-2	5	13	18	3	9	7	248
13JT8		tri	4	13	23	2	1	-	23
"		pen	4	13	21	2	6	-	789
13JZ8	0	pen	1	13	22	2	9	67	4678
"	4	tri	3	13	28	2	2	-	16
13V10	0	pen-1	1	13	22	2	2	-	367
"	8	pen-2	7	13	21	2	4	-	356
13Z10	0	pen-1	0	13	26	4	8	1	4567
"	6	pen-2	5	13	18	3	9	7	248
14BF11	0	pen-1	1	13	28	2	2	-	3567
"	8	pen-2	7	13	23	2	4	-	356
14BL11	0	tri-1	1	14	22	2	6	-	57
"	5	tri-2	4	14	20	2	9	-	18
"	7	pen	6	14	20	2	2	-	459
14BQ11	2	pen-2	3	14	19	2	8	-	457
"	8	pen-1	9	14	19	2	6	-	345

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
14BR11	0	tri-1	1	14	23	2	5	-	68
"	5	tri-2	4	14	23	2	0	-	12
"		pen	4	14	21	2	9	-	378
14GW8		tri	4	14	26	2	2	-	19
"		pen	4	14	23	2	7	-	368
14JG8		di-1	4	14	18	3	3	-	2
"		di-2	4	14	18	3	1	-	6
"		tri	4	14	19	3	7	-	89
15A6			4	14	25	2	3	-	1267
15AF11	7	pen	6	14	19	3	3	-	459
"	2	di-1	1	14	19	3	9	-	56
"	0	di-2	1	14	19	3	5	-	68
15BD11	0	tri-1	1	14	24	2	5	-	68
"		tri-2	1	14	25	2	7	-	34
"	5	pen	4	14	25	2	1	-	237
15CW5			4	14	21	2	3	-	●126978
"		●Ignore glow on 1-6. May show short on 1-2-6-9-7-8.							
15DQ8		tri	4	14	23	2	3	-	12
"		pen	4	14	24	2	7	-	689
15EW7		tri-1	4	14	27	2	8	-	67
"		tri-2	4	14	23	2	9	23	●123
"		●Ignore glow on 2.							
15FM7	7	tri-1	6	14	19	3	3	-	45
"	2	tri-2	1	14	19	3	9	-	57
15FO7			5	14	19	2	0	-	12
15FY7	5	tri-1	4	14	8	1	1	-	23
"	2	tri-2	1	14	22	2	9	-	57
15HA6			4	14	22	2	1	3689	●2687
"		●Ignore glow on 6.							
15HB6			4	14	22	2	1	3689	●236789
"		●Ignore glow on 3-6.							
15KY8		tri	4	14	25	2	1	-	89
"		pen	4	14	21	2	3	-	267
15LE8		pen-1	4	14	22	2	3	-	189
"		pen-2	4	14	22	2	-	-	689
15MF8	8	pen	9	14	22	2	4	12	●1230
"		●Ignore glow on 1.							
"	5	tri	9	14	21	2	3	-	27
15MX8		tri	4	14	25	2	1	-	89
"		pen	4	14	21	2	3	-	267
16A5			4	15	21	2	3	-	279
16A8		tri	4	15	24	2	8	-	19
"		pen	4	15	21	2	2	-	367
16AK9	8	pen	1	10	22	2	2	79	34
"		tri-2	1	10	24	2	2	-	56
"	0	tri-1	6	10	26	2	7	10	23

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
16AQ3			4	14	23	2	0	*	●9
"			●Ignore glow on 9.						
"			*Cont test 1-2-3-6-7-8-9. Levers 2-3-7-8 must be thrown to open position.						
16BQ11	2	pen-1	3	15	22	2	8	-	457
"	8	pen-2	9	15	22	2	6	-	345
16BX11	0	tri-1	1	15	22	2	9	-	78
"		tri-2	1	15	22	2	4	-	56
"	4	pen	5	15	23	2	1	-	267
16CB28	4		3	14	17	3	6	1278	2790
16GK6			4	15	23	2	1	39	278
16GY5	4		3	14	22	2	18	1278	2790
"			Must show short on 1-2-7-8.						
"			Cathode short test-throw levers 1-8 together.						
16HB5	0		1	14	22	2	4	-	237
16KA6	4		3	14	20	2	1	28	790
"			Cap goes to top of tube.						
16KH8			4	13	23	2	7	-	1-2
"			4	13	23	2	-	-	2-3-9
"			4	13	23	2	-	-	6-8-9
16LD6			4	14	20	2	1	3689	●2687
"			●Ignore glow on 6.						
16LU8	5	tri	6	15	21	2	3	-	27
"	8	pen	9	15	21	2	4	12	●1230
"			●Ignore glow on 1.						
16MY8	5	tri	6	15	21	2	3	-	27
"	8	pen	9	15	21	2	4	12	●1230
"			●Ignore glow on 1.						
16Y9		pen-1	5	15	20	2	7	-	890
"		pen-2	5	15	20	2	2	-	134
17A8		tri	4	15	24	2	8	-	19
"		pen	4	15	24	2	7	-	236
17AB10	6	pen-1	5	15	20	2	9	-	248
"	0	pen-2	0	15	24	2	8	-	4567
17AX3	5		6	15	24	2	0	29	●29
"			●Ignore glow on 2.						
17AY3			4	15	24	2	9	27	●27
"			●Ignore glow on 2.						
17B4			2	15	8	1	-	-	35
17BB14*			4	15	20	2	38	123678	●12670
"			●Ignore glow on 1-6. Cap goes top of tube.						
"			*Must use magnoval adapter.						
17BD11	0	tri-1	1	15	24	2	5	-	68
"		tri-2	1	15	25	2	7	-	34
"	5	pen	4	15	25	2	1	-	237
17BE3	2		1	15	23	2	9	60	60
"			Must show short on 6-0.						
17BF11	0	pen-1	1	15	28	2	2	-	3567
"	8	pen-2	7	15	23	2	4	-	356
17BJ6			3	15	23	2	2	-	1567
17BR3			4	15	23	2	0	29	●29
"			●Ignore glow on 2.						

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
17BS3			4	15	16	3	9	27	●27
"		●Ignore	glow on 2.						
17BW3	0		1	15	17	3	7	-	4
17BZ3	0		1	15	16	3	7	-	4
17C9		tet-1	1	15	24	2	6	-	789
"		tet-2	4	15	24	2	0	-	123
17CK3			4	15	20	2	9	27	●27
"		●Ignore	glow on 2.						
17CL3			4	14	20	2	9	27	●27
"		●Ignore	glow on 2.						
17CT3			4	15	23	2	9	26	●26
"		●Ignore	glow on 2.						
17DM4			7	15	24	2	3	-	5
17DQ4			7	15	18	3	3	-	5
17DW4			4	15	4	1	9	27	2
"			Lever 7 must be thrown to open position.						
17EW8		tri-1	5	15	22	2	8	-	67
"		tri-2	5	15	22	2	3	-	12
17FY7	5	tri-1	4	15	8	1	1	-	23
"	2	tri-2	1	15	22	2	9	-	57
17GE5	5		6	15	23	2	29	2389	●7380
"		●Ignore	glow on 3.						
17GJ5			4	15	24	2	3	1267	670
"			Levers 1-2 must be thrown to open position.						
17GT5			4	15	23	2	3	1267	●12679
"		●Ignore	glow on 1-2.						
17GT6			1	15	28	2	2	-	3567
17GV5	4		3	15	24	2	18	1278	2790
"			Must show short on 1-2-7-8. Cathode short test-throw levers 1-8 together.						
17GW6			2	15	18	3	8	-	450
17GY5	4		3	15	22	2	18	1278	2790
"			Cathode short test-throw 1-8 together.						
17HB25*			4	15	21	2	9	123678	●12670
"		●Ignore	glow on 1-6. Cap goes top of tube.						
"			*Must use magnoval adapter.						
17HC8		tri.	4	15	18	3	8	-	19
"		pen	4	15	18	3	2	-	367
17HG8		tri	4	15	23	2	3	13	67
"		pen	4	15	22	2	1	-	289
17JB6			4	15	18	3	3	1267	670
"			Levers 1-2 must be thrown to open position.						
17JF6			4	15	20	2	3	1267	●12670
"		●Ignore	glow on 1-2-6. Cap goes top of tube.						
17JG6			4	15	17	3	3	17	279
"			Lever 1 must be thrown to open position.						
17JK8		tri-1	4	15	18	3	8	-	67
"		tri-2	4	15	18	3	3	-	12
17JM6	3		2	15	21	2	5	-	680
"			Grid cap goes to top of tube.						

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
17JN6	5		6	15	21	2	7	29	380
17JQ6		pen	4	15	22	2	9	2378	12378
		di	4	15	21	3	-	-	6
17JR6			4	15	28	3	3	17	279
			Lever 1 must be thrown to open position.						
17JS6	3		4	15	20	2	5	16	●1680
"			●Ignore glow on 1. Grid cap goes to top of tube.						
17JT6			4	15	23	2	3	17	279
			Lever 1 must be thrown to open position.						
17JU6	3		4	15	20	2	5	16	●1680
"			●Ignore glow on 1. Grid cap goes to top of tube.						
17JZ8	8	pen	9	15	23	2	4	12	●1230
"			●Ignore glow on 1.						
"	5	tri	6	15	26	2	3	-	27
17KV6			4	15	20	2	3	17	279
			Lever 1 must be thrown to open position.						
17LD8		tri	4	15	25	2	1	-	89
"		pen	4	15	21	2	3	-	267
17RHH2		tri-1	5	15	22	2	8	-	67
"		tri-2	5	15	22	2	3	-	12
17RK19			4	15	23	2	0	29	●29
"			●Ignore glow on 2.						
17W6			2	15	24	2	8	-	345
17X10	0	pen-1	0	15	20	4	8	1	4567
"	6	pen-2	5	15	17	3	9	7	248
17Y9		pen-1	5	15	20	2	7	-	890
"		pen-2	5	15	20	2	2	-	134
18AJ10	2	pen-1	3	16	23	2	4	-	578
"	6	pen-2	5	16	23	2	2	-	134
18DZ8		tri	4	16	28	2	8	-	19
"		pen	4	16	23	2	2	-	367
18GB5*			4	16	22	2	38	123678	160
"			*Must use magnoval adapter. Levers 2-7 must be thrown to open position.						
"			Cap goes to top of tube.						
18GD6			3	16	23	2	7	-	156
18GV5	4		3	16	24	2	18	1278	2790
			Grid cap goes to top of tube.						
18GV8		tri	4	16	24	2	3	-	12
"		pen	4	16	22	2	8	-	679
18RAL1		tri-1	4	16	25	2	8	23	67
"		tri-2	4	16	21	2	9	-	●123
"			●Ignore glow on 2.						
19A3			6	9	22	2	7	346	5
19AJ8		hep	4	16	23	2	3	-	126
"		tri	4	16	24	2	-	-	89
19AQ5			3	16	7	1	2	17	●1756
"			●Ignore glow on 1.						

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
19BR5		tri	4	16	7	1	2	369	17
"		eye	4	16	0	4	-	-	7369
"		See instructions for eye test.							
19BX6			4	16	21	2	13	13	2897
19BY7			4	16	23	2	13	13	2789
19CG3	0		1	16	16	3	7	-	4
19DE3	7		6	16	20	2	0	-	4
"		Grid cap goes to top of tube.							
19DE7		tri-1	4	16	9	1	8	23	67
"		tri-2	4	16	3	1	9	-	●123
"		●Ignore glow on 2.							
19DK3			4	16	23	2	0	27	●27
"		●Ignore glow on 2-7.							
19DQ3	0		1	16	16	3	7	-	4
19EW7		tri-1	4	16	27	2	8	-	67
"		tri-2	4	16	23	2	9	23	●123
"		●Ignore glow on 2.							
19EZ8		tri-1	4	16	27	2	-	-	89
"		tri-2	4	16	27	2	-	-	67
"		tri-3	4	16	23	2	1	-	23
19FL8		pen	4	16	24	2	3	-	1269
"		di-1	4	16	21	3	-	-	7
"		di-2	4	16	21	3	-	-	8
19FX5			3	16	17	3	-	25	267
"		Lever 5 must be thrown to open position.							
19GQ7		di-1	4	16	17	3	9	-	8
"		di-2	4	16	17	3	7	-	6
"		di-3	4	16	17	3	1	-	2
19HR6			3	16	21	2	7	-	156
19HS6			3	16	22	2	7	-	1256
19JC6			4	16	22	2	13	13	278
19JN8		pen	4	16	23	2	8	-	679
"		tri	4	16	22	2	3	-	12
19KF6*			4	16	20	2	3	17	●1679
"		●Ignore glow on 1-6.							
"		*Must use magnoval adapter.							
19KG8		tri	2	16	22	2	3	-	12
"		pen	2	16	22	2	8	-	679
19MR9			3	16	23	2	7	-	156
19Q9		tri	4	16	21	2	7	-	89
"		pen	4	16	20	2	0	-	123
19U3			4	16	3	1	3	-	9
19W3			4	16	3	1	3	-	9
19Y3			4	13	3	1	3	-	9
20AQ3			4	16	23	2	0	*	●9
"		●Ignore glow on 9. Levers 2-3-7-8 must be							
"		thrown to open position.							
"		*Cont test 1-2-3-6-7-8-9.							
20D4		hep	5	9	24	2	3	-	1267
"		tri	5	9	27	2	-	-	89

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
20EW7		tri-1	4	16	27	2	8	-	67
"		tri-2	4	16	23	2	9	23	●123
"		●Ignore glow on 2.							
20LF6	4		3	16	21	2	6	1278	●2790
"		●Ignore glow on 2. Cap goes top of tube.							
21A6			4	17	21	2	3	16789	280
"		Lever 7 must be thrown to open position.							
21AK6			3	17	10	1	7	-	1256
21EX6			2	17	22	2	3	-	580
21GY5	4		3	17	22	2	18	1278	2790
"		Cathode short test-throw levers 1-8 together.							
21HB3			2	22	18	2	-	-	2790
21HB5	0		1	17	22	2	4	-	237
21HD5	0		1	17	20	2	4	59	357
"		Lever 9 must be thrown to open position.							
21HJ5	0		1	17	20	2	4	59	●3579
"		●Ignore glow on 5-7.							
21JS6	3		4	17	20	2	5	16	●1680
"		●Ignore glow on 1. Cap goes to top of tube.							
21JV6	5		6	17	21	2	7	29	●23890
"		●Ignore glow on 2-3-8.							
21JZ6	3		2	17	20	2	5	-	780
"		Grid cap goes to top of tube.							
21KA6	4		3	17	20	2	1	28	790
"		Cap goes to top of tube.							
21KQ6*			4	17	20	2	9	123678	●130
"		●Ignore glow on 1. Cap goes to top of tube.							
"		*Must use magnoval adapter.							
"		Levers 6-8 must be thrown to open position.							
21LG6	4		3	17	22	2	18	1278	790
21LR8		tri	4	17	21	2	1	-	89
"		pen	4	17	20	2	3	-	267
21LU8	5	tri	6	17	21	2	3	-	27
"	8	pen	9	17	21	2	4	12	●1230
"		●Ignore glow on 1.							
21MY8	5	tri	6	17	21	2	3	-	27
"	8	pen	9	17	21	2	4	12	●1230
"		●Ignore glow on 1.							
22AL3			4	17	24	3	0	*	9
"		*Must show short on 1-2-3-6-7-8. Levers							
"		1-2-3-6-7-8 must be thrown to open position.							
22BW3	0		1	17	17	3	7	-	4
22JF6			4	17	20	2	3	1267	●12670
"		●Ignore glow on 1-2-6. Grid cap goes to top of tube.							
22JG6			4	17	17	3	3	17	279
"		Lever 1 must be thrown to open position.							
22JR6			4	17	28	3	3	17	279
"		Lever 1 must be thrown to open position.							

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
22JU6			4	17	20	2	3	1267	●12670
"		●Ignore glow on 1-2-6. Grid cap goes to top of tube.							
22KM6			4	17	21	2	3	1267	670
"		Levers 1-2 must be thrown to open position. Cap goes to top of tube.							
22KV6			4	17	20	2	3	17	279
"		Lever 1 must be thrown to open position.							
23JS6	3		4	17	20	2	5	16	●1680
"		●Ignore glow on 1. Cap goes to top of tube.							
23MB6	5		6	17	19	3	7	2389	123890
"		Grid cap goes to top of tube.							
23Z9	5	tri-1	4	17	27	2	0	-	78
"		tri-2	4	17	24	2	-	-	23
"	7	pen	6	17	21	2	1	-	230
24AX4			7	18	7	1	3	-	5
24BF11	0	pen-1	1	18	28	2	2	-	3567
"	8	pen-2	7	18	23	2	4	-	356
24JE6			4	18	23	2	3	1267	●126780
"		●Ignore glow on 1-2. Cap goes top of tube.							
24JZ8	8	pen	9	18	23	2	4	12	●1230
"		●Ignore glow on 1.							
"	5	tri	6	18	26	2	3	-	27
24LQ6			4	18	23	2	3	1267	●126780
"		●Ignore glow on 1-2. Cap goes top of tube.							
24LZ6			4	18	23	2	3	1267	●12679
"		●Ignore glow on 1-2.							
24GA7	4	di	3	18	24	2	0	-	2
"		Must show short on 6-7.							
"	0	pen	1	18	35	2	5	10	237
"		Must show short on 2-3.							
25BB14*			4	18	20	2	38	123678	●12670
"		●Ignore glow on 1-6. Cap goes top of tube.							
"		*Must use magnoval adapter.							
25CG3	0		1	18	16	3	7	-	4
25CK3			4	18	20	2	9	27	●27
"		●Ignore glow on 2.							
25CM3			4	18	23	2	9	27	●27
"		●Ignore glow on 2.							
25CT3			4	18	23	2	9	26	●26
"		●Ignore glow on 2.							
25DK3			4	18	23	2	0	27	●27
"		●Ignore glow on 2-7.							
25DL3			4	18	21	2	0	27	27
25DT5			4	18	28	2	7	36	●1369
"		●Ignore glow on 3.							
25GB6			2	18	18	3	8	-	450
25HX5*			4	18	18	3	23	1237	1679
"		Grid short test-throw 1-7 together.							
"		*Must use magnoval adapter.							

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
25JQ6		pen	4	18	22	2	9	2378	12378
"		di	4	18	21	3	-	-	6
25JZ8	8	pen	9	18	23	2	4	12	●1230
"		●Ignore glow on 1.							
"	5	tri	6	18	26	2	3	-	27
25MP20			3	18	25	2	2	-	156
25RK19			4	18	23	2	0	29	29
"		●Ignore glow on 2.							
26AQ8		tri-1	4	18	22	2	8	-	67
"		tri-2	4	18	22	2	3	-	12
26DQ5			2	18	23	2	36	*	14580
"		*Cont 1-3-4-5-6-8.							
26HU5			7	18	21	2	26	1256	130
26HV5	0		1	18	20	2	4	-	27
26JG6			4	18	17	3	3	17	279
"		Lever 1 must be thrown to open position.							
26LW6			7	18	21	2	26	1256	●1350
"		●Ignore glow on 1.							
26LX6	3		4	18	23	2	5	16	●1680
"		●Ignore glow on 1. Cap goes to top of tube.							
27GB5*			4	18	22	2	38	123678	160
"		*Must use magnoval adapter. Grid cap goes to top of tube.							
"		Lever 2-7 must be thrown to open position.							
27KG6*			4	18	20	2	9	123678	680
"		*Must use magnoval adapter. Grid cap goes to top of tube.							
"		Lever 1-3 must be thrown to open position.							
27LF6	4		3	18	21	2	6	1278	●2790
"		●Ignore glow on 2. Cap goes top of tube.							
28GB5*			4	18	22	2	38	123678	160
"		*Must use magnoval adapter. Grid cap goes to top of tube.							
"		Lever 2-7 must be thrown to open position.							
28HA6			4	19	22	2	1	3689	●2687
"		●Ignore glow on 6.							
28HD5	0		1	19	20	2	4	59	357
"		Lever 9 must be thrown to open position.							
29GK6			4	19	23	2	1	39	278
29KQ6*			4	19	20	2	9	123678	●130
"		●Ignore glow on 1. Cap goes to top of tube.							
"		*Must use magnoval adapter.							
"		Lever 6-8 must be thrown to open position.							
29LE6*			4	18	19	3	9	123678	1230
"		Must show short on 1-2-3-6-7-8.							
"		Grid-1 short test-throw 1-8 together.							
"		Grid-2 short test-throw 3-6 together.							
"		Screen short test-throw 2-7 together.							
"		Lever 6-7-8 throw to open position.							
"		*Must use magnoval adapter.							

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
30A5			3	19	21	2	1	25	●2567
"		●Ignore glow on 2.							
39AG11	8	tri-1	9	19	22	2	4	-	23
"		di-1	9	19	24	2	6	-	5
"	2	tri-2	3	19	22	2	6	-	78
"		di-2	3	19	24	2	4	-	5
30C18		tri	4	10	21	2	68	68	19
"		pen	4	10	19	2	-	-	237
"		Cathode short test - throw 6-8 together.							
30CW5			4	19	21	2	3	-	●126789
"		●Ignore glow on 1-6-7.							
"		May show short on 1-2-6-7-8-9.							
30HD5	0		1	19	20	2	4	59	357
"		Lever 9 must be thrown to open position.							
30HJ5	0		1	19	20	2	4	59	●3579
"		●Ignore glow on 5-7.							
30JZ6	3		2	19	20	2	5	-	780
"		Cap goes to top of tube.							
30KD6	4		3	19	20	2	6	1278	●2790
"		●Ignore glow on 2. Cap goes to top of tube.							
30KG6#			4	19	20	2	9	*	680
"		*Cont test 1-2-3-6-7-8. Levers 1-2-3 must							
"		be thrown to open position.							
"		#Must use magnoval adapter.							
"		Cap goes to top of tube.							
30LW6			7	19	21	2	26	1256	●1350
"		●Ignore glow on 1.							
30MB6	5		6	19	19	3	7	2389	123890
"		Grid cap goes to top of tube.							
30MP23			3	19	18	3	1	25	2567
30MP27			3	19	18	3	1	25	2567
30PL12		tri	4	15	24	2	8	-	19
"		pen	4	15	21	2	2	-	367
31AL10	0	pen	6	14	22	2	7	19	458
"		tri-2	6	14	25	2	7	-	23
"	6	tri-1	0	14	24	2	3	57	24
31JS6	3		4	19	20	2	5	16	●1680
"		●Ignore glow on 1. Grid cap goes to top of							
"		tube.							
31LQ6			4	19	23	2	3	1267	●126780
"		●Ignore glow on 1-2. Cap goes top of tube.							
31LR8		tri	4	18	21	2	1	-	89
"		pen	4	18	20	2	3	-	267
31LZ6			4	19	23	2	3	1267	●12679
"		●Ignore glow on 1-2.							
32A8		tri	4	19	23	2	8	-	19
"		pen	4	19	23	2	2	-	367
32GA7	4	di	3	19	24	2	0	-	2
"		Must show short on 6-7.							
"	0	pen	1	19	35	2	5	10	237
"		Must show short on 2-3.							

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
32HQ7	0	di	1	19	16	3	4	-	2
"	8	CAUTION: Throw lever 5 to open position before inserting tube.							
"		pen	7	19	16	2	3	-	46
33GT7	4	di	3	19	18	3	8	-	6
"		pen	3	19	24	2	0	-	129
33GY7	3	di	2	19	18	3	7	-	5
"	4	pen	3	19	23	2	0	-	12
33HE7	0	di	1	19	16	3	4	-	2
"	8*	pen	7	19	16	2	3	-	46
"		*Throw lever 5 to open position before inserting tube.							
33JR6			4	19	28	3	3	17	279
"		Lever 1 must be thrown to open position.							
33JV6	5		6	19	21	2	7	29	●23890
"		●Ignore glow on 2-3-8.							
34CD3	0		1	19	20	2	7	-	4
34CE3	0		1	19	20	2	7	-	4
34CM3			4	19	23	2	9	27	●27
"		●Ignore glow on 2.							
34DK3			4	19	23	2	0	27	●27
"		●Ignore glow on 2-7.							
34R3			4	19	22	2	0	29	●29
"		●Ignore glow on 2.							
35C3			3	19	3	1	7	-	5
35DZ8		tri	4	19	28	2	8	-	19
"		pen	4	19	23	2	2	-	367
35LR6	3		4	19	22	2	5	16	●1680
"		●Ignore glow on 1. Cap goes to top of tube.							
36KD6	4		3	19	22	2	6	1278	●2790
"		●Ignore glow on 2. Cap goes to top of tube.							
36MC6			4	19	20	2	3	1267	120
"		Levers 6-7 must be thrown to open position.							
"		Grid cap goes to top of tube.							
38HE7	0	di	1	19	16	3	4	-	2
"		*CAUTION: Lever 5 must be thrown to open position before inserting tube.							
"	8	*pen	7	19	16	2	3	-	46
38HK7	0	di	1	19	16	3	4	-	2
"	8	CAUTION: Lever 5 must be thrown to open position before inserting tube.							
"		pen	7	19	26	2	3	-	46
40KD6	4		3	19	20	2	6	1278	●2790
"		●Ignore glow on 2. Cap goes to top of tube.							
40KG6*			4	19	20	2	9	123678	680
"		Levers 1-2-3 must be thrown to open position. Cap goes to top of tube.							
"		*Must use magnoval adapter.							

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
42EC4*			4	19	22	2	0	278	●278
"			●Ignore glow on 2-7. Cap goes top of tube.						
"			*Must use magnoval adapter.						
42KN6	6		5	19	20	2	8	49	●2490
"			●Ignore glow on 4. Cap goes to top of tube.						
50BM8		tri	4	20	19	3	8	-	19
"		pen	4	20	19	3	2	-	367
50GY7	3	di	2	20	18	3	7	-	5
"	4	pen	3	20	23	2	0	-	12
50HN5			4	20	22	2	3	12	●1279
"			●Ignore glow on 1.						
50JY6			2	20	20	2	8	14	450
"			Lever 1 must be thrown to open position.						
53HK7	0	di	1	20	16	3	4	-	2
"			*CAUTION: Lever 5 must be thrown to open position before inserting tube.						
"	8	*pen	7	20	16	2	3	-	46
58HE7	0	di	1	20	16	3	4	-	2
"			*CAUTION: Lever 5 must be thrown to open position before inserting tube.						
"	8	*pen	7	20	16	2	3	-	46
60HL5			4	20	21	2	3	12	●1279
"			●Ignore glow on 1.						
396A		tri-1	1	9	24	2	2	-	34
"		tri-2	1	9	24	2	8	-	67
403B			3	9	25	2	27	27	156
GL866A			1	4	31	2	-	-	0
TJ880			4	9	22	2	16	1369	278
CK5755		tri-2	4	9	20	3	2	59	13
"		tri-1	5	9	20	3	7	-	69
5763			4	9	4	1	7	89	●13689
"			●Ignore glow on 8.						
5844		tri-1	3	9	22	2	7	-	25
"		tri-2	3	9	22	2	-	-	16
5845			●CAUTION: Lever 7 must be thrown to open position before inserting tube and must remain in open position throughout all tests.						
"		di-2	3	6	50	3	-	34	1
"		di-1	3	6	50	3	-	-	5
"			Good tube reads above 30.						
CK5889			3	2	37	3	-	-	120
"			Tube OK above 20 on meter scale.						
5896		di-1	3	9	6	1	7	-	5
"		di-2	3	9	6	1	2	-	1
5933			1	9	18	3	4	5	230
6012			2	9	29	2	1	-	358
6084			4	9	25	2	3	27	1689

TUBE	KEY AT SECT	A	B	C	D	CATH	CONT	TEST
6085	tri-1	9	9	7	1	3	45	12
"	tri-2	9	9	7	1	8	-	67
"	Fil cont - also throw 4-5 together.							
6094		3	9	19	3	4	1245679	124
"	Levers 6-7-9 must be thrown to open position.							
6216A		4	9	23	2	38	1368	●1267
"	●Ignore glow on 1.							
6217		4	9	24	9	2	-	1267
6227		4	9	22	2	3	16	278
CK6293		2	9	21	2	146	146	350
CK6397		5	2	7	1	-	17	368
6485		3	9	3	1	7	-	1256
CK6526		5	2	26	2	-	-	124
PL6574		1	9	27	2	8	-	356
6686		4	9	24	2	3	16	2789
6689		4	9	23	2	3	-	126
6939	pen-1	9	9	22	2	2	-	368
"	pen-2	9	9	22	2	-	-	167
7119	tri-1	8	9	23	2	6	45	79
"	tri-2	8	9	23	2	3	-	12
7233		4	9	17	3	8	123679	123679
7308	tri-2	4	9	17	3	3	-	12
"	tri-1	4	9	17	3	8	-	67
7320		4	9	5	1	3	12	●1279
"	●Ignore glow on 1.							
7360		4	9	24	2	1	-	2367
7408		2	9	8	1	8	-	345
7551		4	13	25	2	19	1389	●23867
"	●Ignore glow on 3.							
7558		4	9	25	2	19	1389	●23867
"	●Ignore glow on 3.							
7581		2	8	24	2	8	-	345
7586		2	9	17	3	3	5	12
7591		2	9	24	2	5	48	●4836
"	●Ignore glow on 4.							
7643	tri	4	9	24	2	8	-	19
"	pen	4	9	24	2	7	-	236
7687	tri	4	9	25	2	8	-	19
"	pen	4	9	23	2	7	-	236
7695		4	20	23	2	7	-	169
7728	tri-1	9	9	4	1	8	45	67
"	tri-2	9	9	4	1	3	-	12
7729	tri-1	9	9	27	2	8	45	67
"	tri-2	9	9	27	2	3	-	12
7730	tri-1	9	9	8	1	8	45	67
"	tri-2	9	9	8	1	3	-	12
7731	tri	4	9	24	2	8	-	19
"	pen	4	9	24	2	7	-	236
7733		6	9	22	2	1	3459	278

TUBE	KEY		A	B	C	D	CATH	CONT	TEST	
	AT	SECT								
7788			4	9	19	2	13	1369	2679	
7802		tri-1	7	9	23	2	6	-	45	
"		tri-2	7	9	23	2	3	-	12	
7868			4	9	23	2	3	1267	●12679	
"		●Ignore glow on 1-2.								
7895			4	9	16	3	3	-	12	
7898		●CAUTION: Lever 9 must be thrown to open position before inserting tube and must remain in open position throughout all tests, including short test.								
"		tri-2	4	13	17	3	3	-	12	
"		tri-1	4	13	17	3	8	-	67	
7984	7		6	13	24	2	239	23915	450	
"		Must show short on 2-3-9-1-5.								
"		Throw lever 1 to open position.								
8032			2	13	25	2	146	146	350	
8056			4	9	16	3	3	-	12	
8077			4	13	22	2	1	39	278	
8102		tri	4	13	22	2	2	-	13	
"		pen	4	13	22	2	8	-	679	
8106			4	13	18	3	269	23689	1378	
"		Must show short on 2-3-6-8-9.								
"		Cathode short test-throw 2-6-9 together.								
8113			3	9	22	2	27	27	156	
"		Must show short on 2-7.								
"		Cathode short test-throw 2-7 together.								
8136			3	9	23	2	2	-	1567	
8156	4		3	13	26	2	60	67890	129	
"		Lever 7-8 must be thrown to open position.								
8203			4	9	17	3	3	5	12	
8233*			4	9	20	2	79	2679	318	
"		*Must use magnoval adapter.								
8278*			4	9	21	2	26	123678	●13789	
"		●Ignore glow on 1-3-7.								
"		*Must use magnoval adapter.								
8298			2	9	22	2	146	146	350	
8417			2	9	21	2	8	-	345	
8425			3	9	23	2	7	-	1256	
8441			4	9	18	3	3	-	12	
8532			3	9	4	1	2	156	●1567	
"		●Ignore glow on 1-5.								
8552			2	13	25	2	146	146	350	
8908			7	9	20	2	4	1256	3560	
"		Lever 1-2 must be thrown to open position.								
"		Grid-1 short test-throw 1-5 together.								
"		Grid-3 short test-throw 2-6 together.								
8950	3		2	13	23	2	5-9	1-5-6-9	●1-6-7-8	
"		●Ignore glow on 1. Cap goes to top of tube.								
<u>FOREIGN</u>										
DAF92		pen	1	2	34	2	-	-	236	
"		di	1	2	29	3	-	-	4	

TUBE	KEY AT SECT	A	B	C	D	CATH	CONT	TEST
DL93		5	2	30	2	-	1267	●2634
"	●Ignore glow on 2.							
DL95		5	2	29	2	-	1267	●2634
"	●Ignore glow on 2.							
DL98		26	2	29	2	-	45	137
DY87		258	2	21	4	-	1469	0
E55L*		4	9	20	2	79	2679	138
"	*Must use magnoval adapter.							
E80CC	tri-1	9	9	7	1	3	45	12
"	tri-2	9	9	7	1	8	-	67
"	Fil cont-also throw 4-5 together.							
E80F		4	9	25	2	3	27	1689
E83F		4	9	23	2	3	-	126
E80L		4	9	22	2	3	16	278
E81L		4	9	24	2	3	16	2789
E84L		4	9	5	1	3	12	●1279
"	●Ignore glow on 1.							
E182CC	tri-1	8	9	23	2	6	45	79
"	tri-2	8	9	23	2	3	-	12
E188CC	tri-2	4	9	17	3	3	-	12
"	tri-1	4	9	17	3	8	-	67
E235L		2	9	22	2	8	14	1345
E810F		4	9	19	2	13	1369	2679
EAF801	pen	4	9	17	3	3	-	1269
"	di	4	9	23	3	-	-	8
EAM86	tri	4	9	21	2	9	-	18
"	eye	4	9	0	4	3	-	67
"	See instructions for eye test.							
EB91	di-1	3	9	18	3	5	-	2
"	di-2	3	9	18	3	1	-	7
EBC81	tri	4	9	7	1	3	79	12
"	di-1	4	9	29	3	-	-	8
"	di-2	4	9	26	3	-	-	6
EC80		1	9	3	1	5	2378	●2378
"	●Ignore glow on 2-7.							
EC81		4	9	23	2	3	-	18
EC86		4	9	20	2	37	*	●12689
"	●Ignore glow on 1-2-6-8.							
"	*Must show short on 1-2-3-6-7-8-9.							
EC88		4	9	21	2	2	13679	18
"	Lever 3-6-7-9 must be thrown to open position.							
EC91		3	9	21	2	25	1256	●167
"	●Ignore glow on 1.							
EC95		3	9	22	2	17	17	256
EC97		3	9	22	2	17	17	25
EC900		3	9	21	2	27	27	15
ECC34	tri-1	7	8	7	1	6	-	45
"	tri-2	7	8	7	1	3	-	12

TUBE	KEY AT SECT	A	B	C	D	CATH	CONT	TEST
ECC91	tri-1	3	9	24	2	7	-	25
"	tri-2	3	9	24	2	-	-	16
ECC189	tri-1	4	9	22	2	8	-	67
"	tri-2	4	9	22	2	3	-	12
ECC801S	tri-1	9	9	4	1	8	45	67
"	tri-2	9	9	4	1	3	-	12
ECC802S	tri-1	9	9	8	1	3	45	12
"	tri-2	9	9	8	1	8	-	67
ECC808	tri-1	4	9	24	2	8	-	79
"	tri-2	4	9	24	2	2	-	13
ECF83	tri	4	9	19	2	1	-	23
"	pen	4	9	19	3	8	-	679
ECF200	tri	5	9	22	2	1	-	90
"	pen	5	9	20	2	2	-	378
ECF201	tri	5	9	22	2	1	-	90
"	pen	5	9	20	2	2	-	378
ECF202	tri	5	9	23	2	1	-	90
"	pen	5	9	22	2	2	-	378
ECF801	tri	4	9	21	2	13	13	89
"	pen	4	9	20	2	-	-	267
ECF802	tri	4	9	22	2	8	-	19
"	pen	4	9	21	2	7	-	236
ECF805	tri	4	9	21	2	68	68	19
"	pen	4	9	19	2	-	-	237
	Cathode short test-throw 6-8 together.							
ECH21	tri	1	9	23	2	0	-	34
"	pen	1	9	23	2	0	-	2567
ECH35	tri	2	9	26	2	8	-	56
"	hex	2	9	26	2	-	-	3459
ECH84	tri	4	9	23	2	3	-	89
"	hep	4	9	21	2	-	-	267
ECH200	tri	5	9	20	2	9	-	80
"	hep	5	9	21	2	1	-	347
ECL85	tri	4	9	24	2	3	-	12
"	pen	4	9	22	2	8	-	679
ECLL800		4	9	23	2	7	-	1-2
"		4	9	23	2	-	-	2-3-9
"		4	9	23	2	-	-	6-8-9
ED500*		4	9	32	2	1	123679	80
"	Cap goes to top of tube.							
"	*Must use magnoval adapter.							
EF22		1	9	4	1	7	-	2346
EF37A		2	9	25	2	8	27	340
EF39		2	9	5	1	8	-	3450
EF92		3	9	6	1	2	-	1567
EF95		3	9	25	2	27	27	156
EF804		4	9	23	2	3	26	789
EF806S		4	9	26	2	3	27	169
EFL200	pen-1	5	9	20	2	7	-	890
"	pen-2	5	9	20	2	2	-	134
EH900S	tot	3	9	5	1	2	-	1567
"	tri	3	9	5	1	-	-	16
EK11		6	13	24	3	2	19	10

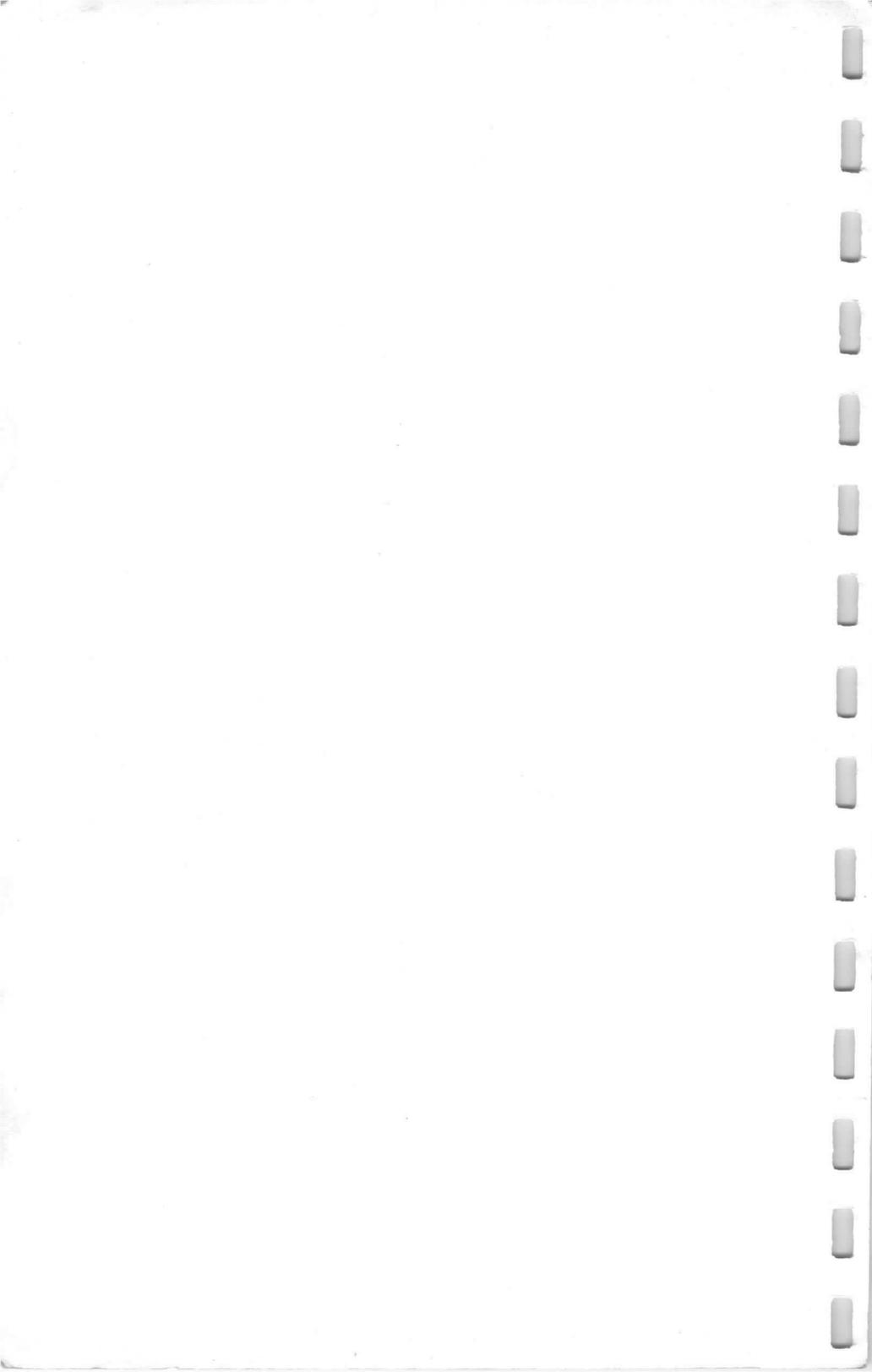
TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
EL13			2	9	23	2	8	-	567
EL32			2	9	6	1	8	-	340
EL33			2	9	24	2	8	-	345
EL36			2	9	23	2	38	1348	459
"		May show short on 1-3-4-8.							
EL81			4	9	20	2	3	16789	●2780
"		●Ignore glow on 7.							
EL82			4	9	24	2	3	-	279
EL83			4	9	22	2	3	-	127
EL85			4	9	6	1	3	1268	●126879
"		●Ignore glow on 1-6.							
EL91			3	9	25	2	2	-	157
EL500*			4	9	22	2	38	123678	160
"		*Must use magnoval adapter. Grid cap goes to top of tube. Lever 2-7 must be thrown to open position.							
EL503*			4	9	21	2	26	123678	●13789
"		●Ignore glow on 1-3-7.							
"		*Must use magnoval adapter.							
EL504*			4	9	22	2	38	123678	160
"		*Must use magnoval adapter. Grid cap goes to top of tube. Levers 2-7 must be thrown to open position.							
EL505*			4	9	20	2	9	123678	680
"		*Must use magnoval adapter. Cap goes to top of tube. Levers 1-3 must be thrown to open position.							
EL802			4	9	20	2	1	3689	●2687
"		●Ignore glow on 6.							
EL821			4	9	3	1	3	-	278
ELL80		pen-1	4	9	22	2	7	-	123
"		pen-2	4	9	22	2	-	-	689
EM34			2	9	0	4	8	-	365
"		See instructions for eye test.							
EM87		tri	4	9	29	2	3	268	19
"		eye	4	9	0	4	-	-	●67
"		●Levers 2-8 must be thrown to open position. See instructions for eye test.							
EN32			1	9	27	2	28	-	356
EQ80			4	9	23	2	38	38	167
EY80			4	9	24	2	3	-	9
EY81			4	9	22	2	0	*	29
"		*May show short on all pins.							
EY82			4	9	24	2	3	-	9
EY86			258	9	21	4	-	1469	0
EY87			258	9	21	4	-	1469	0
EY500*			4	9	20	2	0	278	●278
"		●Ignore glow on 2-7. Cap goes top of tube.							
"		*Must use magnoval adapter.							

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
GY501*			248	4	20	4	-	14589	0
"		*Must use magnoval adapter. Cap goes to top of tube.							
GZ32		plate-1	2	8	6	1	-	-	4
"		plate-2	2	8	6	1	-	-	6
HBC91		tri	3	13	27	2	2	-	17
"		di-1	3	13	27	3	-	-	5
"		di-2	3	13	27	3	-	-	6
HCC85		tri-1	5	15	22	2	8	-	67
"		tri-2	5	15	22	2	3	-	12
HCH81		tri	4	13	25	2	3	-	89
"		pen	4	13	23	2	3	-	126
HL94			3	19	21	2	1	25	●2567
"		●Ignore glow on 2.							
LC900			3	4	21	2	27	27	15
"		Lever 2 must be thrown to open position.							
LCF80		tri	4	9	23	2	8	-	19
"		pen	4	9	22	2	7	-	236
LCF200		tri	5	9	22	2	1	-	90
"		pen	5	9	20	2	2	-	378
LCF201		tri	5	9	22	2	1	-	90
"		pen	5	9	20	2	2	-	378
LCF801		tri	4	9	21	2	13	13	89
"		pen	4	9	20	2	-	-	267
LCF802		tri	4	9	22	2	8	-	19
"		pen	4	9	21	2	7	-	236
LCH200		tri	5	8	20	2	9	-	80
"		hep	5	8	21	2	1	-	347
LCL80		tri	4	6	25	2	3	-	12
"		pen	4	6	22	2	-	-	689
LCL84		tri	4	12	23	2	3	-	12
"		pen	4	12	23	2	7	-	689
LCL85		tri	4	12	24	2	3	-	12
"		pen	4	12	22	2	8	-	679
LF183			4	6	22	2	13	13	2789
LF184			4	6	21	2	13	13	2789
LFL200		pen-1	5	12	20	2	7	-	890
"		pen-2	5	12	20	2	2	-	134
LL86			4	12	21	2	3	*	●126789
"		●Ignore glow on 1-6-7.							
"		*May show short on 1-2-6-7-8-9.							
LL505*			4	18	20	2	9	123678	680
"		Levers 1-3 must be thrown to open position.							
"		*Must use magnoval adapter.							
LL509*			4	18	20	2	9	123678	680
"		*Must use magnoval adapter.							
"		Levers 1-3 must be thrown to open position.							
"		Cap goes to top of tube.							

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
LL521*			4	17	20	2	9	123678	●130
"									●Ignore glow on 1. Cap goes to top of tube.
"									*Must use magnoval adapter. Levers 6-8 must be thrown to open position.
LL802			4	12	20	2	1	*	●2687
"									*Cont 3-6-8-9.
"									●Ignore glow on 6.
LY81			4	12	22	2	0	*	29
"									*May show short on all pins.
LY88			4	17	24	3	0	*	9
"									*Must show short on 1-2-3-6-7-8. Levers 1-2-3-6-7-8 must be thrown to open position.
M8096			4	9	4	1	7	89	●13689
"									●Ignore glow on 8.
N22LL*			4	16	20	2	3	17	●1679
"									●Ignore glow on 1-6.
"									*Must use magnoval adapter.
PC88			4	6	20	2	2	13679	●136798
"									●Ignore glow on 1-3-6-7.
PC95			3	5	20	2	17	17	25
PC900			3	6	21	2	27	27	15
"									Lever 2 must be thrown to open position.
PCC85		tri-1	4	11	22	2	8	-	67
"		tri-2	4	11	22	2	3	-	12
PCC88		tri-1	4	9	23	2	8	-	67
"		tri-2	4	9	23	2	3	-	12
PCC189		tri-1	4	10	22	2	8	-	67
"		tri-2	4	10	22	2	3	-	12
PCF86		tri	4	10	23	2	3	13	67
"		pen	4	10	22	2	1	-	289
PCF200		tri	5	10	22	2	1	-	90
"		pen	5	10	20	2	2	-	378
PCF201		tri	5	10	22	2	1	-	90
"		pen	5	10	20	2	2	-	378
PCF801		tri	4	11	21	2	13	13	89
"		pen	4	11	20	2	-	-	267
PCF802		tri	4	12	22	2	8	-	19
"		pen	4	12	21	2	7	-	236
PCF805		tri	4	10	21	2	68	68	19
"		pen	4	10	19	2	-	-	237
"									Cathode short test-throw 6-8 together.
PCH200		tri	5	11	20	2	9	-	80
"		hep	5	11	21	2	1	-	347
PCL81		tri	4	13	26	2	38	38	17
"		pen	4	13	23	2	-	-	269
PCL82		tri	4	15	24	2	8	-	19
"		pen	4	15	21	2	2	-	367
PCL84		tri	4	14	23	2	3	-	12
"		pen	4	14	24	2	7	-	689

TUBE	KEY		A	B	C	D	CATH	CONT	TEST
	AT	SECT							
PCL85		tri	4	16	24	2	3	-	12
"		pen	4	16	22	2	8	-	679
PCL86		tri	4	14	26	2	2	-	19
"		pen	4	14	23	2	7	-	368
PD500*			4	10	32	2	1	123679	80
"			*Must use magnoval adapter. Cap goes to top of tube.						
PF86			4	7	23	2	3	27	169
PFL200		pen-1	5	15	20	2	7	-	890
"		pen-2	5	15	20	2	2	-	134
PL81			4	17	21	2	3	16789	280
"			Lever 7 must be thrown to open position.						
PL82			4	5	21	2	3	-	279
PL83			4	14	25	2	3	-	1267
PL84			4	14	18	3	3	126789	279
"			Levers 1-6-8 must be thrown to open position.						
PL500*			4	18	22	2	38	123678	160
"			*Must use magnoval adapter. Grid cap goes to top of tube. Levers 2-7 must be thrown to open position.						
PL504*			4	18	22	2	38	123678	160
"			*Must use magnoval adapter. Grid cap goes to top of tube. Levers 2-7 must be thrown to open position.						
PL521*			4	19	20	2	9	123678	●130
"			●Ignore glow on 1. Cap goes to top of tube.						
"			*Must use magnoval adapter. Levers 6-8 must be thrown to open position.						
PM84		tri	4	6	34	2	3	268	19
"		eye*	4	6	0	4	-	-	67
"			*Levers 2-8 must be thrown to open position. See instructions for eye test.						
PY500*			4	19	22	2	0	278	●278
"			●Ignore glow on 2-7. Cap goes top of tube.						
"			*Must use magnoval adapter.						
UAA91		di-1	3	16	18	3	1	-	7
"		di-2	3	16	18	3	5	-	2
UBF89		pen	4	16	24	2	3	-	1269
"		di-1	4	16	21	3	-	-	7
"		di-2	4	16	21	3	-	-	8
UCC85		tri-1	4	18	22	2	8	-	67
"		tri-2	4	18	22	2	3	-	12
UCF12		tri	2	17	19	3	8	-	45
"		pen	2	17	19	3	-	-	167
UCL82		tri	4	20	19	3	8	-	19
"		pen	4	20	19	3	2	-	367
UL84			4	19	23	2	3	12689	●126897
"			●Ignore glow on 1-6-8.						

TUBE	KEY AT	SECT	A	B	C	D	CATH	CONT	TEST
XC95			3	4	22	2	17	17	256
XC900			3	3	21	2	27	27	15
"			Lever 2 must be thrown to open position.						
XCC189		tri-1	4	6	22	2	8	-	67
"		tri-2	4	6	22	2	3	-	12
XCF80		tri	4	6	23	2	8	-	19
"		pen	4	6	22	2	7	-	236
XCF801		tri	4	6	21	2	13	13	89
"		pen	4	6	20	2	-	-	267
XCL82		tri	4	10	25	2	8	-	19
"		pen	4	10	23	2	2	-	367
XCL84		tri	4	11	23	2	3	-	12
"		pen	4	11	23	2	7	-	689
XCL85		tri	4	12	24	2	3	-	12
"		pen	4	12	22	2	8	-	679
XF86			4	4	23	2	3	27	169
XL136			2	13	23	2	38	1348	459
"			Must show short on 1-3-4-8.						
"			Cathode short test-throw 3-8 together.						
XL84			4	11	5	1	3	12	●1279
"			●Ignore glow on 1.						
XL86			4	11	21	2	3	*	●126789
"			●Ignore glow on 1-6-7.						
"			*May show short on 1-2-6-7-8-9.						
XL500*			4	13	22	2	38	123678	160
"			*Must use magnoval adapter.						
"			Grid cap goes to top of tube. Levers 2-7						
"			must be thrown to open position.						
XL504*			4	13	22	2	38	123678	160
"			Levers 2-7 must be thrown to open position.						
"			*Must use magnoval adapter.						
YC97			3	5	22	2	17	17	25
YC98			246	7	0	0	-	-	19
YL1370			2	9	22	2	146	146	350
YL1371			2	13	25	2	146	146	350





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