

1176

TUBE TEST DATA

For Models

910, 912, 914, 915, 920, 922, 954

FOR USE WITH
ROLL CHART DRC G2B

COLETRONICS



SERVICE INC.

174 ROCKAWAY AVE.

• HEBLETT, L.I., N.Y. 11557

KEY AT COLUMN REFERS TO POSITIONING OF COMPACTRONS ON G-140, A-15 and B-16 ADAPTERS.
 FIL. CONT. COLUMN INDICATES BUTTON TO BE DEPRESSED TO CHECK FIL. CONTINUITY.

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
1AU2	"	7	1	0	38	1	6		GH	C
1AY2	"	Must show short on G-H.								
1BG2	"	2	1	0	16	12	1		G	
"	"	Insert leads into pins 2&7 of 9 pin socket.								
"	"	1	2	0	13	12	1		G	H
1BY2	"	Insert bottom leads into pins 1&2 of 9 pin socket. Cap goes to top lead.								
"	2	9	1	0	25	12	2		G	●
1C2	"	●Fil Cont-Depress A-B-C together. No short test. OK above 1/4 scale.								
"	"	3	1	0	37	11	1		BF	
1D13	"	4	1	33	50	3	1		CE	
1DK1	"	OK above 1/3 scale.								
1DK29	"	7	1	0	30	10	1		BF	
"	"	Must show short on BEF.								
"	"	1	2	0	16	12	1		G	H
1H35	"	Insert bottom leads into pins 1&2 of 9 pin socket. Cap goes to top lead.								
"	"	1	2	0	13	12	1		G	H
1K3	"	Insert bottom leads into pins 1&2 of 9 pin socket. Cap goes to top leads.								
2AF4	"	3	1	45	49	6	1		BEF	
2AS2	"	4	1	0	23	5	1		C	
"	"	Amp* OK above 1/3 scale.								
"	"	3	1	0	38	12	1		G	
2AV2	"	May show short on B-D-F-H.								
2AZ2	"	7	2	0	11	1	6		AJ	C
2BA2	"	Must show short on A-B-F-J.								
2BU2	"	2	3	0	28	12	7		G	H
"	"	5 DELETED May show short on A-E. Cap goes to top of tube.								
"	"	7	2	0	28	1	6		GH	
"	"	Fil Cont-Depress C. May show short on A-B-E-F-G-H-J.								
"	"	CAUTION: Pins 4 and 6 must be open circuited before inserting tube.								
"	"	3	2	0	16	12	2		G	●
"	"	Grid cap goes to top of tube only.								
"	"	●Fil Cont-Depress D-F-J.								
"	"	9	2	0	11	12	6		GH	C
"	"	Must show short on G-H.								
"	"	1	3	0	45	11	7		G	●
"	"	5 DELETED Read on Diode Scale. Cap goes to top of tube.								
"	"	●Fil Cont-Depress A-E-H.								

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
2C50		Tri-1	8	8	26	8	1	4		J H
2CN3		Tri-2	3	8	26	8	1	4		D G
2CW4		May show short on A-B-D.								
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.								
"		9	2	7	47	10	7			H D
2DS4		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.								
2DV4		9	2	9	45	10	7			H HJ
2DZ4		5	2	0	30	10	6			B C
2EG4		Read on Diode Scale-Must show short on C-E-H-J.								
2GU5		2	3	2	11	9	7			AJ C
2GW5		Must show short on A-B-F-J.								
2HA5		9	2	9	47	10	7			H D
"		1	3	31	9	9	7			EF D
2HK5		Must show short on B-J.								
"		7	3	0	42	10	6			BF C
"		Must show short on B-F.								
2HM5		1	2	14	10	9	7			E D
2HQ5		Must show short on B-J. Cathode short test-Depress B-J together.								
2HR8		1	2	27	13	11	7			E D
3A3		Must show short on B-J. Cathode short test-Depress B-J together.								
3AF4		1	3	13	11	2	7			E D
3AJ8		Must show short on B-J.								
"		1	3	10	11	1	6			E C
3AT2		Must show short on B-J.								
3AW2		7	3	5	45	8	6			EH C
3AW3		May show short on A-J.								
"		Due to varying arrangements of internal connections this tube cannot be tested								
3AZ4		7	4	0	11	1	6			AJ C
3B2		Must show short on A-B-F-J.								
3B3		Amp	1	4	11	32	8	6		EH C
3B4		OSC	9	4	26	10	7	6		H F
3B5		Tri	7	4	25	13	7	6		F
3B6		Amp section-OK above 1/3 scale.								
3B7		1	3	0	25	1	2			G A
3B8		May show short on A-B-C-F. Grid cap goes to top of tube.								
3B9		2	4	0	13	12	7			G H
3B10		May show short on A-E. Cap goes to top of tube. GE and Tung-Sol Tubes use following data.								
3B11		1	4	0	28	9	9			G J
3B12		No short test-Good tube reads past 1/3 scale.								

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
3BL2	5	1	4	0	48	10	7			G H
3BM2	5	Read on Diode Scale.								
3BN2	2	1	4	0	48	10	7			G H
"		Read on Diode Scale.								
3BS2	5	1	3	0	47	1	2			G A
3BT2	5	May show short on A-B-C-F. Cap goes to top of tube.								
3BW2	5	Di	2	4	0	11	12	7		G H
"		May show short on A-E. Cap goes to top of tube.								
3CA3		1	4	0	45	11	7			G
3CN3		●Fil Cont-Depress A-E-H. Cap goes to top of tube. Read on Diode Scale.								
3CU3		1	4	0	45	11	7			G
3CV3A		●Fil Cont-Depress A-E-H. Cap goes to top of tube. Read on Diode Scale.								
3CY3		2	4	0	20	12	1			G A
"		May show short on B-F.								
3CZ3		2	4	0	14	12	1			G
"		May show short on A-B-D.								
3DB3		2	4	0	12	12	1			G
3DC3		May show short on F.								
3DJ3		3	4	0	20	12	1			G
3DR3		May show short on A-B-D-H.								
3DZ4		2	4	0	15	12	1			G
3DZ11		●Fil Cont-Depress A-B-D-H. Must show short on A-B-D-H.								
3GK6		1	4	0	28	9	1			G
3GU5		●Fil Cont-Depress A-B-D-F. Must show short on A-B-D-H.								
3GW5		1	4	0	23	12	1			G
3HA5		●Fil Cont-Depress A-B-D-H.								
"		2	4	0	11	12	1			G
3HE7	0	●Fil Cont-Depress A-B-D-H. Must show short on B-G.								
"		1	4	31	9	9	7			D
"		Must show short on B-J.								
"		7	4	0	42	10	6			C
"		Must show short on B-F.								
"		1	4	14	10	9	7			D
"		Must show short on B-J. Cathode short test-Depress B-J together.								
3HE7	0	Di	5	4	0	44	10	2		J G
"		Pen	5	4	0	45	12	2		D
"		Pent. Sect OK 1/3 scale.								

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
4GX7		Tri	7	5	12	12	1	6	F	C	
"		Pen	9	5	11	35	1	6	AE		
"		Must show short on B-H. Cathode short test- Depress B-H together.									
4GZ5			1	4	0	41	10	7	BEJ	D	
4HA5		Must show short on B-E.									
4HA7			1	4	14	10	9	7	E	D	
"		Must show short on B-J.									
"		With G-109 adapter grid cap goes to stud of G-109. If panel has 9 pin socket do not use grid cap.									
"	3	Di-1	8	5	35	10	1	1	D	C	
"	5	Di-2	8	5	26	11	1	7	J		
4HC7		With G-109 adapter grid cap goes to G-109 stud.									
"	6	Tri-1	3	5	32	10	4	6	F	A	
"	5	Tri-2	1	5	24	10	4	5	J		
4HG8		Tri	5	5	7	10	2	7	A	D	
"		Pen	9	5	10	10	2	7	FG		
"		May show short on B-H.									
4HK5			1	5	27	14	11	7	E	D	
"		Must show short on B-J. Cathode short test- Depress B-J together.									
4HM5			1	4	13	11	2	7	E	D	
4HM6		Must show short on B-J.									
4HQ5		Must show short on B-H.									
4HR8		Must show short on B-J.									
4HS8		Must show short on A-J.									
4HT6		Pen-1	1	4	38	10	1	7	FJ	D	
"		Pen-2	1	4	38	10	1	7	BJ		
4JC6			9	5	7	11	2	6	FG	C	
"		Must show short on B-H. Cathode short test- Depress B-H together.									
4JD6			9	5	5	30	6	7	AF	D	
"		Must show short on B-H. Cathode short test- Depress B-H together.									
4JH6		Must show short on B-H. Cathode short test- Depress B-H together.									
4JK6			1	4	7	11	2	7	EFJ	D	
4JL6			1	4	8	10	11	7	FJ	D	
4JW8		Tri	7	4	15	21	1	6	H	C	
4KE8		Pen	9	4	7	38	2	6	BE	C	
"		Tri	7	5	33	10	11	6	H	C	
4KF8		Pen	9	5	15	10	9	6	BE	C	
"		Pen-1	1	5	10	17	1	6	FJ	C	
"		Pen-2	1	5	10	17	1	6	BJ		

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
3HF5	2		1	4	2	5	1	2	DFG	B	
"		Must show short on D-F. Grid cap goes to top of tube.									
3HK5			1	3	27	13	11	7	E	D	
"		Must show short on B-J. Cathode short test- Depress B-J together.									
3HM5			1	3	13	11	2	7	E	D	
"		Must show short on B-J. Cathode short test- Depress B-J together.									
3HM6			9	4	7	30	6	6	AF	C	
3HQ5		Must show short on B-H.									
3HS8			1	4	10	11	1	6	E	C	
3HT6		Must show short on B-J.									
"		Pen-1	1	4	38	10	1	7	FJ	C	
"		Pen-2	1	4	38	10	1	7	BJ		
3JC6			9	4	7	11	2	6	FG	C	
"		Must show short on B-H. Cathode short test- Depress B-H together.									
3JD6			9	4	5	30	6	7	AF	D	
"		Must show short on B-H. Cathode short test- Depress B-H together.									
3KF8		Pen-1	1	4	10	17	1	6	FJ	C	
3KT6		Pen-2	1	4	10	17	1	6	BJ		
3MP26			9	4	5	32	6	6	AF	C	
3MR24		Must show short on B-H.									
3MV7			1	4	0	15	6	6	EF	C	
4AB8			1	4	8	36	6	6	EF	C	
4AF4		Tri	9	5	15	19	1	6	H	C	
4ER5		Pen	7	5	10	24	6	6	EF	C	
4GJ7			7	5	0	11	1	6	AJ	C	
"		Must show short on A-B-F-J.									
4GK5			2	4	10	14	1	6	E	C	
"		Must show short on A-J.									
4GS7		Tri	7	4	7	8	1	6	F	C	
"		Pen	9	4	10	37	1	6	AE		
4GW5		Must show short on B-H.									
4GX6			2	4	13	10	1	7	E	D	
"		Must show short on A-J. Cathode short test- Depress A-J together.									
4GS7		Tri	8	4	10	10	1	6	J	C	
"		Pen	7	6	5	38	1	6	AE		
4GW5		Must show short on B-F.									
4GX6			7	5	0	42	10	6	BF	C	
"		Must show short on B-F.									
4GX6			1	5	6	22	6	7	EFJ	D	

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
4KN8		Tri-1	1	5	10	9	1	7	E	D
"		Tri-2	9	5	10	9	1	7	H	C
4KT6		Must show short on B-H.		5	5	32	6	6	AF	C
4LJ8		Tri	8	5	15	12	1	6	J	C
"		Pen	7	5	5	34	1	6	AE	C
4LU6		Must show short on B-F.		5	45	40	11	6	DEH	C
4MK8		Pen-1	1	5	15	15	1	6	FJ	C
4MP12		Pen-2	1	5	15	15	1	6	BJ	C
4MP26		Tri	1	5	5	28	6	6	EF	C
4RHH2		Tri	1	4	0	15	6	6	EF	D
4RHH8		Tri	9	5	16	11	1	6	E	C
"		Tri-1	1	5	10	9	1	7	H	D
"		Tri-2	9	5	10	9	1	7	E	D
4RHH15		Tri-2	6	4	9	18	9	6	H	C
5AF4		Tri-1	6	4	9	7	9	6	HJ	C
"		Tri-1	7	5	0	11	1	6	AE	C
5AF11		Must show short on A-B-F-J.		5	0	11	1	6	AJ	C
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.		5	18	15	9	2	F	G
"	0	Tri-1	5	5	9	25	9	2	C	G
"		Tri-2	2	5	25	37	9	5	A	F
5AQ4		Pen	2	5	0	2	11	1	C	F
"	5	Pl-1	7	5	0	2	11	1	E	D
"		Pl-2	7	5	0	2	11	1	G	D
5B8		Tri	8	5	32	10	2	7	AE	D
5BC3		Pen	2	5	25	17	1	7	AE	D
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.		5	0	4	1	2	FG	B-J
"		Di-1	1	5	0	4	1	2	DE	C
"		Di-2	1	5	0	4	1	2	H	C
5CR8		Must show short on D-E-F-J.		5	10	15	1	6	AE	B
"		Tri	7	5	5	36	1	6	A	D
5DG4		Pen	9	5	0	0	11	2	EF	C
5EW6		Pl-1	1	5	0	0	11	2	F	C
5GJ7		Pl-2	1	5	18	31	6	7	AE	C
"		Tri	7	6	7	8	1	6	AE	C
"		Pen	9	6	10	37	1	6	J	D
5GS7		Must show short on B-H.		5	10	10	1	6	AE	C
"		Tri	8	5	5	38	1	6	AE	C
"		Pen	7	5	5	38	1	6	AE	C
5GX6		Must show short on B-F.		5	6	22	6	7	EFJ	D
5GX7		Tri	7	5	12	12	1	6	F	C
"		Pen	9	5	11	35	1	6	AE	C
"		Must show short on B-H. Cathode short test-Depress B-H together.		5	5	11	35	1	AE	D

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
5GY8		Tri-1	7	5	0	26	6	6	E	C
"		Tri-2	2	5	30	10	6	6	G	C
5HA7		Tri-3	8	5	30	10	6	6	J	C
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.		3	5	35	10	1	D	E
"	3	Tri-1	8	5	26	11	1	7	J	E
"	5	Tri-2	8	5	24	11	1	6	F	C
5HB7		Tri	7	5	19	11	9	6	AE	C
"		Pen	9	5	19	11	9	6	AE	C
"		Must show short on B-H. Cathode short test-Depress B-H together.		6	5	32	10	4	F	A
5HC7		Tri-1	3	5	24	10	4	5	J	D
"		Tri-2	1	5	7	10	2	7	A	D
"		Tri	5	5	10	10	2	7	FG	D
5HG8		Pen	9	5	10	10	2	7	FG	D
"		May show short on B-H. Cathode short test-Depress B-H together.		5	5	25	10	5	EF	D
5HZ6		Tri-1	5	5	16	13	7	6	B	C
5J6		Tri-2	6	5	16	13	7	6	A	D
5JK6		Tri	1	5	7	11	1	7	FJ	D
5JL6		Pen	1	5	8	10	11	7	FJ	D
5JW8		Tri	7	5	15	21	1	6	H	C
5KD8		Pen	9	5	7	38	2	6	BE	C
5KE8		Tri	7	5	25	10	7	6	H	C
5KZ8		Pen	9	5	15	36	2	6	BE	C
5LJ8		Tri	7	5	33	10	11	6	H	C
"		Pen	9	5	15	10	9	6	BE	D
5MB8		Tri	7	5	24	10	1	7	AE	C
5MF8		Pen	8	6	8	35	1	7	J	C
5MH3		Pen	7	6	15	12	1	6	AE	C
5MK9		Must show short on B-F.		5	12	13	1	6	J	C
5MQ8		Tri	8	5	5	33	1	6	AE	E
5P29		Pen	8	5	15	49	10	4	J	E
5RDDH1		Tri	9	5	10	17	2	5	A	C
"	7	Tri	5	5	16	13	7	6	B	C
"	5	Tri	6	5	16	13	7	6	A	C
"		Tri	1	5	0	5	11	7	E	C
"		Pen	6	5	29	13	11	6	H	C
"		Tri	7	5	9	7	1	6	BG	C
5RHP1		Di-1	4	5	15	16	3	1	CG	C
"		Di-2	6	5	0	4	11	6	H	C
"		Tri	6	5	0	4	11	6	E	C
"		Tri	6	5	5	5	11	6	AF	D
"		Pen	7	5	13	10	6	7	H	D

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
5RHR1			7	5	0	21	1	6	H	C
"			9	5	5	13	1	6	BE	C
5RK16		P1-1	5	0	5	11	6	6	H	C
"		P1-2	5	0	5	11	6	6	F	C
5U9		Grid cap goes to adapter stud.								
"		Tri	2	6	0	43	10	6	G	E
"		Pen	2	6	5	37	6	6	AF	E
5V9		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.								
"		Tri	2	5	0	43	10	6	F	E
"		Hep	2	5	28	45	10	6	AC	E
5X9		Grid cap goes to adapter stud.								
"		Tri	2	6	0	43	10	6	G	E
"		Pen	2	6	5	38	6	6	AF	E
6AC9	0	Grid cap goes to adapter stud.								
"		Di	2	6	0	43	10	2	J	G
"		May show short on B.								
6AC10	7	Pen	2	6	8	33	3	5	CD	B
"		With G-109 adapter grid cap goes to G-109 stud.								
"		Tri-1	8	6	9	21	8	5	J	C
"	5	With socket adapter grid cap goes to adapter stud.								
"		Tri-2	1	6	9	21	8	2	D	A
"	0	With G-109 adapter grid cap goes to G-109 stud.								
"		Tri-3	8	6	9	22	9	7	D	D
6AD10	3	With socket adapter grid cap goes to adapter stud.								
"		Pen-1	2	6	10	15	9	2	AE	G
"	0	Pen-2	8	6	5	22	2	6	BC	G
6AF9	6	If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.								
"		Pen-1	6	6	7	10	2	6	G	E
"		Pen-2	8	6	15	26	2	6	BC	E
6AF11	0	Grid cap goes to adapter stud.								
"		Tri-1	5	6	18	15	9	2	F	G
"	0	Tri-2	2	6	9	25	9	2	C	G
6AG9	5	Pen	2	6	25	37	9	5	A	G
"	0		4	6	10	17	2	2	A	G
6AG11	6	If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap to G-109 stud.								
"		Tri-1	2	6	19	14	5	3	J	B
"	8	Di-1	2	6	0	42	10	3	D	B
"		Tri-2	1	6	19	14	1	2	F	D
"	2	Di-2	1	6	0	42	10	2	D	D
6AG12			7	4	24	9	6	5	BE	B

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
6AH9	0		9	6	12	14	1	2	B	G
"		May show short on D-E.								
6AJ9	7	Grid cap goes to adapter stud.								
"		Tri	2	6	0	45	10	6	G	E
6AK9	0	Pen	2	6	5	42	6	6	AF	G
"		Pen	1	6	29	11	1	2	B	G
"	8	Tri-1	1	6	29	9	1	2	F	G
"	0	Tri-2	1	6	0	25	4	9	DE	G
6AK10	6	Tri-2	6	6	3	22	1	2	AD	G
"	8	Tri-3	6	6	3	23	3	6	CF	G
6AL9		Tri-1	6	6	3	18	3	3	CD	G
"		With socket adapter grid cap goes to adapter stud.								
"	2	Tri	1	6	13	19	2	2	G	B
"	5	Pen	2	6	0	5	3	5	AB	B
6AL11		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.								
"	2	Pen-1	4	6	24	10	1	2	EFG	B
"	6	Pen-2	8	6	15	10	1	6	BC	D
6AM5		Pen	9	6	1	39	2	6	EJ	D
6AM8		Di	7	6	0	25	10	6	BE	A
6AN6		Di-1	8	6	0	47	10	1	F	A
"		Di-2	8	6	0	47	10	1	B	A
"		Di-3	8	6	0	47	10	1	C	A
"		Di-4	8	6	0	47	10	1	D	A
6AQ4		Tri	7	6	0	42	10	7	E	D
6AQ8		Must show short on A-B-E-F.								
"		Tri-1	1	6	25	11	1	7	AF	D
"		Tri-2	9	6	25	11	9	7	E	D
6AR11		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.								
"		Pen-2	1	6	13	35	4	2	CD	B
"	2	Pen-1	4	6	13	35	3	9	BC	B
6AR8	8	Pen-1	5	6	22	20	1	7	BG	D
"		Pen-2	5	6	22	20	1	7	BF	D
6AS11	0	Grid cap goes to adapter stud.								
"		Tri-1	5	6	18	15	9	2	F	G
"	5	Tri-2	2	6	19	15	9	2	C	G
6AV11		Pen	2	6	31	40	9	5	A	G
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.								
"	5	Tri-1	8	6	15	15	7	7	J	E
"		Tri-3	2	6	15	15	9	7	A	E
"	2	Tri-2	7	6	15	15	5	8	A	E

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
6AX3										
"										
"	2		7	6	0	9	11	8		H
6AX8			7	6	18	11	1	6		C
"			9	6	16	32	2	6		BE
6AY3										
"										
"			1	6	0	0	11	7		D
"										
6AY11										
"										
"	8		2	6	0	25	10	3		A
"			2	6	35	9	1	3		J
"										
"										
"	0		2	6	0	25	10	2		B
"			4	6	36	9	1	2		E
6B10										
"	0		4	6	29	10	1	2		G
"			2	6	29	10	1	2		C
"	6		2	6	0	26	10	9		B
"			2	6	0	26	10	9		H
6B32			7	6	0	25	10	6		D
"			7	6	0	25	10	6		J
6BA3										
"										
"										
"	8		8	6	0	4	2	7		AJ
6BA8			9	6	23	10	1	6		B
"			1	6	5	31	6	6		FG
6BA11										
"	0		3	6	32	8	3	2		BJ
"			3	6	30	10	3	2		BE
"	8		3	6	27	12	2	9		E
6BB14*			1	6	0	44	10	6		HJ
"										
"										
6BC5			1	6	4	40	6	6		EF
"										
6BD11										
"	0		2	6	34	9	1	2		C
"			5	6	34	9	1	2		F
"	5		2	6	0	4	4	3		AB
"										
"										

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
6BE3										
"										
"	2		7	6	0	9	11	2		B
6BE7			1	6	20	45	8	6		C
6BF6										
"										
6BF8			2	6	0	42	10	7		D
"			2	6	0	42	10	7		F
"			2	6	0	42	10	7		A
"			6	6	0	42	10	7		B
"			6	6	0	42	10	7		J
"			6	6	0	42	10	7		H
6BF11										
"										
"	0		2	6	19	19	4	2		G
"										
"										
"	8		2	6	10	13	4	9		DE
6BH3										
"										
"										
6BH11										
"	0		3	6	11	14	1	3		H
"			5	6	11	14	2	3		A
"	7		9	6	5	38	2	5		BC
6BJ3										
"										
"	0		1	6	0	25	10	2		G
6BK4			4	6	50	50	1	1		A
"										
6BK8			7	6	0	46	8	7		D
6BK11										
"	5		8	6	20	26	7	7		J
"			2	6	20	26	9	7		A
"	2		7	6	20	26	5	8		A
6BN11			8	6	5	40	2	5		BD
6BR7			4	6	5	40	5	2		AE
"			9	4	14	18	1	3		H
"			9	4	0	25	10	3		A
"			9	4	0	25	10	3		E

●Fil Cont-Depress C-D, then both C-D.

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
6BS3			If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-J.								
6BT6		Tri	8	6	0	42	10	6	AJ	C	
"		Di-1	1	6	12	34	1	6	J	C	
"		Di-2	1	6	0	35	10	6	F		
6BV11	7	Pen-1	8	6	5	28	1	4	E	E	
6BW3	2	Pen-2	7	6	5	28	1	2	B		
6BW6	0	Pen	9	6	0	44	10	2	E	G	
6BW11	7	Pen	6	6	37	47	9	6	C	C	
6BY8	2	Pen	4	6	5	31	2	4	BJ	E	
6BY11	0	Di	5	6	0	42	10	7	AE		
"	0	Pen-1	2	6	10	18	4	2	AF	D	
"	8	Pen-2	2	6	5	13	4	9	E		
6BZ3	0	Di	5	6	0	42	10	7	AE	G	
6C9		Pen-1	2	6	10	18	4	2	FG	D	
"		Pen-2	2	6	5	13	4	9	JB		
"		Grid cap	goes to adapter stud.								
"		Tri	2	6	0	43	10	2	C	G	
"		Pen-1	2	6	10	18	4	2	AE	G	
"		Pen-2	2	6	5	13	4	9	DE		
"		Grid cap	goes to adapter stud.								
"		Tri	1	6	4	11	5	7	FG	D	
"		CAUTION:	Tet-2 sect. with socket adapter grid cap goes to adapter stud.								
"		Tet-2	8	6	5	11	3	7	JB		
6C10		Pen-1	8	6	34	10	1	5	J	C	
"	5	Tri-1	7	6	0	5	1	8	AG		
"	2	Tri-2	8	6	34	10	1	7	D	D	
"	3	Tri-3	7	6	13	10	6	7	H		
6C16		Tri	9	6	13	35	2	7	BE	C	
6C18		Pen	7	6	15	9	1	6	H		
"		Tri	1	6	5	40	9	6	BJ		
"		Pen	2	6	0	6	1	1	DE	A	
6CA11	0	Tri-1	2	6	20	17	2	2	J	G	
"		Tri-2	5	6	15	16	2	2	C		
"		May show	short on A.								
"	8	Pen	7	6	45	10	2	3	FGH		
6CB5		Pen	2	6	0	6	1	1	DE	A	
"		Must show	short on B-C-D-E-F-H. Cathode short test-Depress B-E together.								
6CC31		Tri-1	5	6	16	13	7	6	B	C	
"		Tri-2	6	6	16	13	7	6	A		
6CC42		Tri-1	1	6	25	10	1	2	E	G	
"		Tri-2	2	6	25	10	1	2	C		

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
6CC43		Tri-1	1	6	20	12	4	6	E	C	
"		Tri-2	9	6	21	12	4	6	H		
6CD3	0	Grid cap	goes to adapter stud.								
6CE3		Tri	2	6	0	42	10	2	C	G	
"	0	With socket	adapter grid cap goes to adapter stud.								
6CF8		Tri	9	6	0	4	1	2	C	G	
"	0	Must show	short on A-J.								
6CG3		Tri	5	6	0	43	10	3	C	H	
6CG8		Pen	8	6	31	9	1	6	J	C	
"		Must show	short on B-F.								
6CH3		Tri	1	6	0	0	11	7	AJ	D	
6CJ3		Must show	short on A-J.								
"		If panel	has 9 pin socket do not use grid cap. With G-109 adapter grid goes to G-109 stud. Must show short on A-J.								
"		Tri	8	6	0	4	2	7	AJ	D	
6CJ5		Pen	5	6	15	33	4	2	DJ	F	
6CJ6		May show	short on A-B.								
"		Tri	1	6	0	44	10	6	J	C	
6CK3		Must show	short on A-E-F-G-H.								
"		If panel	has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-J.								
"		Tri	1	6	0	42	10	7	AJ	D	
6CK5		Pen	5	6	14	15	4	4	DJ	D	
"		Must show	short on A-B. Cathode short test-Depress A-B together.								
6CK6		Tri	9	6	10	20	8	6	AH	C	
6CL3		Pen	1	6	0	42	10	7	AJ	D	
6CM3		Must show	short on A-J.								
"		If panel	has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-J.								
6CM5		Tri	8	6	0	45	10	6	AJ	C	
"		Pen	4	6	3	9	11	1	CGH		
6CR8		May show	short on B-C-F-H.								
6CT3		Tri	7	6	10	15	1	6	H	C	
6CW4		Pen	9	6	5	36	1	6	AE	C	
"		Di	8	6	0	45	10	6	EJ		
"		Must show	short on E-J.								
6CW5		If panel	has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.								
6D1		Tri	9	6	7	47	10	7	H	D	
"		Pen	9	6	0	7	9	6	AEFG	C	
"		May show	short on A-E-F-G-H-J.								
"		Tri	6	6	15	29	1	6	AE	C	
"		Must show	short on AE.								

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
6D10										
"										
"										
"	5	Tri-1	8	6	30	10	1	5	J	C
"	2	Tri-2	7	6	0	4	1	8	AG	
"	3	Tri-3	8	6	32	10	1	7	D	
6DE7		Tri-1	1	6	20	17	8	7	E	D
"		Tri-2	1	6	0	4	5	7	JBH	
"										
6DL3			1	6	0	5	2	7	AJ	D
"										
6DM4			3	6	0	4	12	9	D	
6DN3										
"										
"										
6DQ3	0		8	6	0	4	2	7	AJ	D
6DQ4			5	6	0	5	9	3	C	F
6DR4			8	6	0	44	10	9	D	C
"			6	6	15	29	1	6	AE	
6DR7										
"			1	6	22	25	8	7	E	D
"			1	6	0	4	5	7	JBH	
6DS4										
"										
"										
6DS5			9	6	9	45	10	7	H	D
"			9	6	0	24	6	7	EF	D
6DT3	0		5	6	0	45	10	3	C	H
6DT4			4	6	0	0	11	4	DH	
6DU3	0		5	6	0	5	9	3	C	B
6DV4			5	6	0	30	10	6	HJ	
6DW4										
"										
"										
"										
6DY5			9	6	3	15	11	7	AG	D
6DZ4			2	6	2	11	9	7	AJ	C
6DZ8										
"										
6E8			8	6	18	28	1	6	G	C
6EA4	2		2	6	13	17	1	6	AE	
"			7	6	15	50	3	1	BC	
"			4	6	31	30	1	1	E	
"			6	6	50	50	10	8	G	H
"										

Cap goes to top of tube. Must show short on A-C. OK above diode arrow.

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
6EC4*			1	6	0	43	10	6	AFJ	C
"										
6ED4*			5	6	0	48	10	6	F	C
"										
6EF4	3		1	6	0	48	10	7	G	J
6EH4	2		6	6	50	50	10	8	G	H
"										
6EJ4	3		1	6	0	48	10	7	G	J
"										
6EL4			4	6	50	50	1	1	G	A
"										
6EN4			4	6	15	30	10	1	DEG	A
"										
6EU7			1	6	6	10	35	10	2	A
"			1	6	6	10	35	10	2	E
6EW7			1	6	26	10	1	7	E	D
"			2	6	0	12	11	7	H	
"										
6EX6			4	6	5	6	8	1	FG	A
6F19			9	6	5	35	6	6	AF	C
"										
6F21			1	6	31	10	5	7	EJ	D
6F22			7	6	17	32	8	6	EH	C
6F26			9	6	5	35	6	6	AF	C
"										
6F29			9	6	10	10	11	7	AF	D
"										
6F30			9	6	13	10	11	7	AF	C
6F33			1	6	5	41	6	6	EF	C
6F35			1	6	10	29	6	6	EF	C
"										
6FD6			1	6	10	35	6	7	EF	D
6FD10			1	5	12	16	1	5	AB	

Must show short on A-F-J. Cap goes to top of tube. *Must use magnoval adapter.

Must show short on A-B-E-G-H-J. Cap goes to top of tube. *Must use magnoval adapter.

Cap goes to top of tube.

Must show short on A-C. Cap goes to top of tube. OK above diode arrow.

Must show short on D-H. Cap goes to top of tube.

Tube OK above diode arrow. Must show short on B-C-E-F-G.

Tube OK above diode scale. Must show short on B-C-D-E-F-H.

Tri-1 6 6 10 35 10 2 A J

Tri-2 4 6 10 35 10 2 E

Tube OK above 15 on meter scale.

Sect-1 1 6 26 10 1 7 E D

Sect-2 2 6 0 12 11 7 H

Must show short on B-J. Grid short test-sect. 2, depress B-J together.

Must show short on BH. Cathode short test-Depress BH together.

Must show short on AJ.

Must show short on BH. Cathode short test-Depress BH together.

Must show short on B-H. Cathode short test-Depress B-H together.

Must show short on BE.

OK above 1/3 scale.

Must show short on BJ. Cathode short test-Depress BJ together.

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
6GX8		Tri	6	6	12	17	1	6	H	C	
"		Eye	6	6	0	0	12	6	AE		
6GY5		See instructions for eye test. If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on C-G.									
"	6	Tri-1	9	6	4	9	11	6	CG	A	
6GY6		Tri-2	1	6	6	28	6	7	EFJ	D	
6GY8		Tri-3	7	6	0	26	6	6	E	C	
"		Tri-3	2	6	30	10	6	6	G		
6HA5		Tri-3	8	6	30	10	6	6	J	D	
"		Tri-3	1	6	14	10	9	7	E		
6HB5		Must show short on B-J. With socket adapter grid cap goes to adapter stud.									
6HB6	0	Tri	2	6	4	5	2	2	AJ	G	
"		Tri	9	6	6	9	8	7	AEF	D	
6HB7		May show short on B-E-F-G.									
"		Tri	7	6	24	11	1	6	F	C	
6HC8		Pen	9	6	19	11	9	6	AE		
"		Must show short on B-H.									
6HD5		Tri	8	6	31	10	1	6	G	C	
"		Pen	2	6	26	9	5	6	EA		
6HD7	2	If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Tri	4	6	5	9	1	8	AG	H	
6HE5		Pen	7	6	15	15	1	6	F	C	
"		Pen	9	6	9	14	2	6	AE		
6HE7		Must show short on B-H. Cathode short test-Depress B-H together.									
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
6HE8		Tri	3	6	0	10	1	2	DFG	B	
6HF5	2	If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on D.									
"	3	Tri	3	6	0	5	3	7	D	J	
"	6	Tri	9	6	10	50	10	8	C		
6HF7	2	Pen	1	6	2	5	1	2	DFG	B	
"		Must show short on D-F. Grid cap goes to top of tube.									
6HF8		Tri	9	6	15	21	1	6	B	C	
6HG5		Pen	1	6	10	13	11	6	FG	C	
6HJ5		Must show short on A-J. If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	2	Tri	4	6	5	9	1	8	AG	H	

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
6HJ7		Tri	7	6	10	13	1	6	F	C	
"		Pen	9	6	0	38	1	6	AE		
6HJ8		Must show short on B-H. Cathode short test-Depress B-H together.									
6HK5		Pen	9	6	8	35	2	7	EB	D	
6HL5		Di	7	6	0	43	10	7	F	D	
6HL7		Tri	1	6	27	13	11	7	E	D	
"		Must show short on B-J.									
6HL8		Tri	6	6	0	16	7	6	AG	C	
6HM5		Must show short on H-J.									
6HM6		Tri	9	6	9	25	6	5	AF	●	
6HQ5		●Fil Cont-Depress C-D; then both. Must show short on B-G.									
6HR5		Tri	7	6	14	5	8	6	G	C	
6HR6		Pen	9	6	9	32	2	6	BE	D	
6HS5	0	Must show short on B-J.									
6HS6		Tri	1	6	13	11	2	7	E	C	
6HT6		Must show short on B-J.									
6HU8		Tri	9	6	7	30	6	6	AF	C	
6HV5		Must show short on B-H.									
6HW8		Pen	1	6	5	10	1	6	BEF	C	
6HZ5		Pen	9	6	5	33	2	2	A	G	
6HZ6		Pen	1	6	12	30	6	7	EF	D	
6J9		Tri	9	6	7	11	2	6	FG	C	
6J10		Must show short on B-H.									
"		Pen-1	9	6	10	22	8	6	BH	C	
"		Pen-2	5	6	10	22	7	6	FG	C	
6J11		OK above 1/4 scale.									
"	0	Tri-1 9 6 0 43 10 6 Tri-2 9 6 0 43 10 6 If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Grid cap goes to adapter stud.									
"	6	Pen-1	3	6	30	41	2	9	J	D	
"	0	Pen-2	1	6	2	27	2	2	CJ		
6JA5		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	2	Pen-2	1	6	13	33	3	2	CD	B	
"	8	Pen-1	5	6	13	33	9	3	CJ		
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	2	Tri	3	6	0	9	1	2	DFG	B	

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
6JA8		Tri	9	6	30	10	6	7	B	D	
6JB5	2	Tet	1	6	7	27	6	7	FG		
6JB6			3	6	0	10	1	2	DFG	D	
"			1	6	0	6	4	6	AGH	C	
6JC5		Must show short on A-E-H-J. Grid cap goes to top of tube.									
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter cap goes to G-109 stud.									
"	2		3	6	0	12	1	2	DFG	G	
6JC6			9	6	5	30	6	7	AF	D	
6JC8		Must show short on B-H.									
"		With G-109 adapter grid cap goes to G-109 stud. Must show short on A-H.									
"		Tri	6	6	28	9	1	7	G	D	
6JD5	0	Pen	9	6	29	10	3	7	BE		
6JD6			9	6	6	33	2	2	A	G	
6JE6			9	6	5	30	6	7	AF	D	
"		Must show short on B-H.									
6JF6			1	6	0	6	4	6	AGH	C	
"		Must show short on A-E-H-J. Cap goes to top of tube.									
6JG5			7	6	0	6	1	7	AH	D	
6JG6		Must show short on A-E-H-J. Cap goes to top of tube.									
6JG5			5	6	8	7	9	6	AFG	C	
6JG6		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-H.									
"			9	6	2	6	7	7	AGH	D	
6JH5	0		5	6	4	29	9	2	AFJ	G	
"		Must show short on A-F. Plate short test-Depress A-F together.									
6JH6			1	6	31	10	11	7	EFJ	D	
6JH8		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Sect-1	5	6	36	10	1	7	BG	D	
"		Sect-2	5	6	36	10	1	7	BF	G	
6JK5	0		5	6	4	29	9	2	AFJ	G	
"		Must show short on A-F. Plate short test-Depress A-F together.									
6JK6			1	6	7	11	2	7	FJ	D	
6JK8		With G-109 adapter grid cap goes to G-109 stud.									
"		Tri-1	1	6	19	10	1	7	E	D	
"		Tri-2	9	6	14	10	1	7	H	D	
6JL6			1	6	8	10	11	7	FJ	D	
6JM6	3		6	6	15	28	5	1	AG	C	
6JN6	5	Grid cap goes to top of tube.									
"			2	6	18	28	6	5	GJ	C	
"		Must show short on G-J individually.									

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
6JN8		Tri	8	6	11	12	1	7	J	D	
6JQ6		Pen	7	6	5	36	1	7	AE	C	
"		Pen	1	6	0	7	1	6	BHJ	E	
"		Di	1	6	0	10	11	6	E		
6JR6		Must show short on A-F. May show short on B-J.									
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to stud. Must show short on A-H.									
6JS6	3		9	6	5	7	7	7	AGH	D	
"			6	6	7	5	5	7	EGH	J	
6JT6		Must show short on E-H. Cap goes to top of tube.									
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-H.									
6JT8		Tri	9	6	20	20	1	6	B	C	
6JU6		Pen	1	6	8	10	11	6	FG	D	
"			7	6	0	6	1	7	AH	D	
6JU8		Must show short on A-E-H-J. Grid cap goes to top of tube.									
"		Di-1	1	6	0	42	10	7	AF	D	
"		Di-2	1	6	0	42	10	7	A		
"		Di-3	1	6	0	42	10	7	HJ		
"		Di-4	1	6	0	42	10	7	H		
6JV8		Must show short on F-J.									
6JW8		Tri	9	6	28	10	9	7	B	D	
6JX8		Pen	1	6	7	11	9	7	FG	C	
6JY8		Tri	7	6	15	21	1	6	H	C	
6JZ6	3	Pen	9	6	7	38	2	6	BE	C	
6JZ8		Tri	7	6	9	27	1	6	F	C	
"		Hep	9	6	15	35	7	6	EH	C	
6K11		Tri	9	6	19	13	1	6	B	C	
"		Pen	1	6	9	20	11	6	FG	J	
6K11		Pen	6	6	15	21	5	7	EG		
6K11		Cap goes to top of tube.									
"		With G-109 adapter grid cap goes to G-109 stud. If panel has 9 pin socket do not use grid cap.									
"	7	Pen	8	6	12	47	10	4	J	E	
"	5	Tri	9	6	10	25	2	5	A		
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	5	Tri-1	8	6	28	10	1	5	J	C	
"	2	Tri-2	7	6	32	10	12	8	A		
"	3	Tri-3	8	6	32	10	12	7	D		
6KA8		Tri	9	6	33	10	11	6	H	C	
"		Pen	5	6	34	10	11	6	FG		

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
6KD6		If panel has 9 pin socket cap goes to top of tube. With G-109 adapter cap goes to G-109 stud. Must show short on A-F-H-J.									
"	4	Tri	1	6	0	43	10	8	G	D	
"		Pen	7	6	25	10	7	6	H	C	
6KD8		Tri	9	6	15	36	2	6	BE	C	
6KE8		Tri	7	6	33	10	11	6	H	C	
6KF8		Pen	9	6	15	10	9	6	BE	C	
6KF8		Pen-1	1	6	10	17	1	6	FJ	C	
6KH8		Pen-2	1	6	10	17	1	6	BJ	C	
"		Tri	2	6	31	12	1	6	GH	C	
"		Tri	2	6	31	12	1	6	BG	C	
6KL8		Tri	6	6	31	10	1	6	FG	D	
6KM6		Pen	9	6	26	11	7	7	AE	D	
"		Di	9	6	0	34	10	7	F	C	
"		Di	5	6	0	43	10	6	EJ	C	
6KM8		Must show short on E-J. Cap goes to top of tube.									
6KN8		Di	1	6	0	35	10	7	B	D	
"		Tet-1	1	6	27	10	2	7	FH	D	
"		Tet-2	1	6	27	10	2	7	FJ	D	
"		Tet-3	1	6	27	10	2	7	FG	D	
6KN6	6	OK above 1/3 scale.									
"		Tri	9	6	10	5	2	6	CG	A	
"		Must show short on C-G. Cap goes to top of tube.									
6KN8		Tri-1	1	6	10	9	1	7	E	D	
6XR8		Tri-2	9	6	10	9	1	7	H	C	
6KS6		Tri	9	6	12	14	1	6	B	C	
6KS8		Pen	1	6	7	21	6	6	FG	C	
6KT6		Tri	8	6	0	22	1	6	EJ	C	
6KT8		Pen	9	6	11	25	1	6	B	C	
6KV6		Tri	1	6	7	21	11	6	FG	C	
6KV8		Pen	9	6	5	32	6	6	AF	C	
6KV8		Must show short on B-H.									
6KV8		Tri	9	6	14	18	1	6	B	D	
6KV8		Pen	1	6	7	33	6	6	FG	C	
6KV8		Di-1	1	6	0	31	10	6	B	C	
6KV8		Di-2	1	6	0	31	10	6	J	C	
6KV8		Pen	1	6	20	21	6	6	FG	D	
6KV8		Tri	9	6	5	6	7	7	AGH	D	
6KV8		Must show short on A-H.									
6KV8		Tri	9	6	33	10	1	6	B	C	
6KV8		Pen	1	6	8	10	11	6	FG	C	
6KV8		Tri-1	7	6	19	30	2	6	A	C	
6KV8		Tri-2	8	6	19	27	1	6	B	D	
6KY6		Tri	9	6	5	22	6	7	AF	D	
6KY8		Must show short on B-G.									
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Tri	7	6	20	22	1	6	F	C	
"		Pen	9	6	5	15	1	6	AE	C	

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
6KZ8		Pen	9	6	8	35	1	7	AE	D	
6LB6		Tri	7	6	24	10	1	7	H	D	
"	4	If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-F-H-J. Cap goes to top of tube.									
6LB8		Tri	9	6	21	10	1	7	B	D	
6LC6		Pen	1	6	2	10	2	7	FB	D	
"		Tri	9	6	21	10	1	7	B	D	
6LC8		Pen	1	6	2	10	2	7	FG	D	
"		Tri	9	6	29	10	1	7	H	D	
6LD6		Pen	5	6	29	10	2	7	FG	D	
"		May show short on B.									
6LE8		Tri	9	6	5	10	8	7	AEF	D	
"		Pen	1	6	10	45	6	6	FH	C	
"		Pen-2	7	6	10	45	6	6	EF	C	
6LF6		OK above 1/3 scale.									
"		If panel has 9 pin socket cap goes to top of tube. With G-109 adapter cap goes to G-109 stud. Must show short on A-F-H-J.									
6LF8	4	Tri	1	6	0	46	10	8	G	D	
6LG6	4	Pen	9	6	31	10	1	6	B	C	
"		Tri	1	6	23	11	11	6	FG	C	
"		Pen	1	6	0	5	3	6	G	B	
6LH6		Screen short test-Depress A-J together. Cathode short test-Depress F-H together.									
"		Tri	4	6	50	50	1	1	G	D	
"		Pen	1	6	50	50	1	1	G	D	
6LJ6		May show short on B-C-H. Tube OK above diode arrow.									
6LJ8		Tri	6	6	30	50	1	1	G	D	
"		Pen	8	6	15	12	1	6	J	C	
6LM8		Tri	7	6	5	34	1	6	AE	C	
6LN8		Must show short on B-F.									
6LQ6		Pen	9	6	20	10	5	7	H	D	
"		Tri	7	6	15	10	5	7	BE	D	
6LQ8		Tri	7	5	13	14	6	7	H	D	
6LR6	3	Pen	9	5	13	5	2	7	BEJ	C	
6LR8		Tri	1	6	0	6	4	6	AGH	C	
"		May show short on A-E-H-J. Cap goes to top of tube.									
6LR8		Tri	9	6	12	13	5	6	B	C	
6LR6		Pen	1	6	7	20	6	6	FG	J	
6LR8		Tri	6	6	7	6	5	7	EGH	J	
"		Must show short on E-H. Cap goes top of tube.									
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
6LT8		Tri	7	6	12	15	1	6	F	C	
"		Pen	9	6	5	13	1	6	AE	C	
"		Di-1	7	6	0	43	10	6	F	C	
"		Di-2	7	6	0	43	10	6	F	C	
"		Pen	7	6	7	34	9	6	BJ	C	
"		May show short on H.									

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
6LU6	5	Tri	6	6	45	40	11	6	DEH	C	
6LU8	8	Pen	9	6	10	16	2	5	A	C	
"			2	6	0	43	10	3	HJ		
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on H-J.									
6LV6	4		1	6	0	46	10	8	G	D	
6LW6		Must show short on A-F-H-J.									
6LX6	3		5	6	20	6	1	4	BG		
6LY8		May show short on D-E-H-J.									
6LZ6			6	6	7	5	5	7	EGH	J	
6M11		Must show short on E-H. Cap goes top of tube.									
"		Tri	7	6	14	17	1	6	H	C	
"		Pen	9	6	7	35	2	6	BE	C	
"		Tri	9	6	14	31	1	6	B	C	
"		Pen	1	6	8	8	7	6	FG		
6M11			1	6	0	46	10	7	AEGHJ	D	
"		Must show short on A-E-H-J.									
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
6MA6	8	Tri-1	2	6	30	10	6	3	J	H	
"	2	Tri-2	1	6	30	10	9	8	F		
"	5	Pen	1	6	5	37	6	5	BF		
6MA6			2	6	14	20	11	8	EG		
6MB6	6	Must show short on C-D-F-J. OK above 1/3 scale.									
6MB8			2	6	8	6	11	6	BCG	A	
6MC6		Must show short on C-G. Cap goes top of tube.									
6MD8		Tri	8	6	12	13	1	6	J	C	
6ME6		Pen	7	6	5	33	1	6	AE		
"			2	6	16	9	9	6	AEGHJ	C	
"		Must show short on A-E-H-J. Grid short test									
"		Depress E-J together. Screen short test-									
"		Depress A-H together. Grid cap goes to top of tube.									
6MD8		Tri-1	5	6	9	14	1	6	B	C	
"		Tri-2	6	6	9	14	1	6	J		
6ME6		Tri-3	7	6	9	14	1	6	H	C	
"			2	6	28	21	11	6	AEGHJ		
"		Must show short on A-E-H-J. Grid short test									
"		Depress E-J together. Screen short test-									
"		Depress A-H together. Grid cap goes to top of tube.									
6ME8	7	Sect-1	5	6	15	19	1	7	BG	D	
6MF8	5	Sect-2	5	6	15	19	1	7	BF	E	
6MG8		Pen	8	6	15	49	10	4	J	C	
6MH1		Tri	9	6	10	17	2	5	A		
"		Tri	7	6	15	23	11	6	H	C	
"		Pen	9	6	15	13	9	6	BE		
"			8	6	0	18	1	6	J	C	
"		Must show short on A-E-F. Grid short test-									
"		Depress A-E-F together.									
6MH6		If panel has 9 pin socket cap goes to top of tube. With G-109 adapter cap goes to G-109 stud. Must show short on A-F-H-J.									
6MH3	4	Tri	1	6	0	46	10	8	G	D	
6MJ6		Tri	5	6	16	13	7	6	B	C	
6MJ8	0	Tri	6	6	16	13	7	6	A	C	
"	4		1	6	0	6	4	6	AGH	C	
6MK8		Must show short on A-E-H-J. Cap goes top tube.									
6ML4		Tri-1	6	6	10	13	1	2	E	G	
"		Tri-2	8	6	10	13	1	8	F		
"		Tri-3	9	6	10	13	1	8	E	C	
6ML8		Pen-1	1	6	15	15	1	6	FJ		
"		Pen-2	1	6	15	15	1	6	BJ	C	
"			7	6	0	11	1	6	AJ	C	
6MP17		Must show short on A-B-F-J. Plate short test-									
6MP18		Depress A-J together. Grid short test-									
"	6	Tri-1	5	6	15	15	1	6	B	C	
"	5	Tri-2	6	6	15	15	1	6	J		
"	0	Tri-3	7	6	15	15	1	6	H		
6MN8			7	6	5	5	12	6	B	A	
6MP20			6	6	5	6	12	5	B		
6MQ8			6	6	6	16	12	3	E	C	
6MU8			1	6	27	32	2	6	DEH		
6MV8			6	6	50	30	1	6	E	C	
6MX8		Must show short on A-J. Grid short test-									
6MY8	5	Depress A-J together.									
6N3	8	Tri	1	6	12	36	6	6	DEH	C	
6PL12		Pen	7	6	29	10	7	6	H	C	
6Q8		Tri	9	6	15	33	2	6	BE		
6Q11		Pen	7	6	28	10	7	6	H		
"			9	6	15	26	2	6	BE	C	
"			9	6	16	20	1	6	B	C	
"			1	6	14	22	11	6	FG		
"			7	6	20	22	1	6	F	C	
"			9	6	5	15	1	6	AE		
"			9	6	10	16	2	5	A	C	
"			2	6	0	43	10	3	HJ		
"		Must show short on H-J.									
6Q11		Tri	2	6	0	7	3	7	G	D	
"		Pen	8	6	32	11	8	7	G	D	
"			2	6	23	17	1	7	AE		
"			7	6	15	50	3	1	BC		
"			4	6	31	30	1	1	E		
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
6R4		Tri-1	8	6	25	10	5	5	J	C	
"		Tri-3	2	6	25	19	5	5	A		
"		Tri-2	7	6	25	19	5	8	A		
"			8	6	11	13	1	6	F	C	

KEY AT TUBE SECT A B C D E F DEPRESS CONT FIL CONT

6RA6		8	6	5	5	12	6	AGJ	C
"		Must show short on AJ.							
6RA9		1	6	4	5	1	7	AGJ	D
"		Must show short on A-J. Grid short test-Depress A-J together.							
6RB11		1	6	4	6	1	7	BEG	D
"		Must show short on B-E. Grid short test-Depress B-E together.							
6RHH2		1	6	18	11	1	6	E	C
"		9	6	18	11	1	6	H	D
6RHH8		1	6	10	9	1	7	E	D
"		9	6	10	9	1	7	H	C
6RP15		6	6	0	14	6	6	AG	C
"		Must show short on H-J.							
6RP22		1	6	0	42	10	6	GJ	C
6T9		Must show short on B-F-G-J.							
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
"	4	6	6	32	11	2	8	E	D
"	8	2	6	10	10	1	3	DE	D
6T10		With socket adapter grid cap goes to adapter stud.							
"	0	2	6	12	23	9	2	AE	G
"	6	8	6	10	20	2	6	BC	D
6U3		2	6	0	7	3	7	G	C
6U8		7	6	18	11	1	6	H	C
6U9		9	6	16	32	2	6	BE	E
"		Grid cap goes to adapter stud.							
"	5	2	6	0	43	10	6	G	C
"	0	2	6	5	37	6	6	AF	E
6U10		With G-109 adapter grid cap goes to G-109 stud. With socket adapter grid cap goes to adapter stud.							
"	5	8	6	30	10	8	5	J	C
"	0	With socket adapter grid cap goes to adapter stud.							
"	0	1	6	36	10	8	2	D	C
"	3	With G-109 adapter grid cap goes to G-109 stud.							
6V9		8	6	28	10	9	7	D	C
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
"	3	2	6	0	43	10	6	F	E
"	0	2	6	28	45	10	6	AC	E
6X9		Grid cap goes to adapter stud.							
"	2	2	6	0	43	10	6	G	E
"	5	2	6	5	38	6	6	AF	E

KEY AT TUBE SECT A B C D E F DEPRESS CONT FIL CONT

6Y9		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
"		6	6	7	10	2	6	G	E
"		8	6	15	26	2	6	BC	E
6Y10		With socket adapter grid cap goes to adapter stud.							
"	0	2	6	12	14	9	2	AE	G
"	6	8	6	10	26	2	6	BC	G
6Z10		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
"	6	3	6	30	41	2	9	J	D
"		With socket adapter grid cap goes to adapter stud.							
"	0	1	6	2	27	2	2	CJ	D
7D10		9	6	20	19	6	7	AF	C
7GS7		8	7	10	10	1	6	J	C
"		7	7	5	38	1	6	AE	C
"		Must show short on B-F.							
7GV7		7	7	15	9	1	6	H	C
"		1	7	5	40	9	6	BJ	C
"		Must show short on E-F.							
7KY6		9	7	5	22	6	7	AF	D
"		Must show short on B-G.							
7KZ6		9	7	6	21	6	7	AF	D
"		Must show short on B-G.							
7MP18		6	6	50	30	1	6	E	C
"		Must show short on A-J. Grid short test-Depress A-J together.							
8A8		7	7	21	10	7	6	H	C
8AC9		9	7	15	33	2	6	BE	C
"	0	2	7	0	43	10	2	J	G
"	7	May show short on B.							
8AC10		2	7	8	33	3	5	CD	C
"	5	With G-109 adapter grid cap goes to G-109 stud.							
"	0	8	7	9	21	8	5	J	C
"		With socket adapter grid cap goes to adapter stud.							
"	0	1	7	9	21	8	2	D	C
"	3	With G-109 adapter grid cap goes to G-109 stud.							
8AL9		8	7	9	22	9	7	D	C
"	2	With socket adapter grid cap goes to adapter stud.							
"	5	1	7	13	19	2	2	G	B
"		2	7	0	5	3	5	AB	B

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
8LT8		Di-1	7	7	0	43	10	6	F	C	
"		Di-2	7	7	0	43	10	6	E		
"		Pen	7	7	7	34	9	6	BJ		
		May show short on H.									
8LX8		Pen	9	7	7	35	2	6	BE	C	
"		Tri	7	7	14	17	1	6	H	C	
8MD8		Tri-1	5	7	9	14	1	6	B	C	
"		Tri-2	6	7	9	14	1	6	J		
"		Tri-3	7	7	9	14	1	6	H	C	
8MU8		Tri	7	7	28	10	7	6	H	C	
"		Pen	9	7	15	26	2	6	BE	D	
8RHP1		Tri	8	7	32	10	2	7	G		
"		Pen	2	7	25	17	1	7	AE		
8U9		Grid cap goes to adapter stud.									
"		Tri	2	7	0	43	10	6	G	E	
"		Pen	2	7	5	37	6	6	AF		
8X9		Grid cap goes to adapter stud.									
"		Tri	2	7	0	43	10	6	G	E	
"		Pen	2	7	5	38	6	6	AF		
9A8		Tri	7	7	21	10	7	6	H	C	
"		Pen	9	7	15	33	2	6	BE	D	
9AB4		Pen	6	7	27	10	12	8	A	G	
9AH9		Pen	9	7	12	14	1	2	B		
"	0	Must show short on D-E.									
"	7	Tri-1	7	7	25	9	4	2	DJ	G	
9AK10	0	Tri-2	6	7	3	22	1	2	AD		
"	6	Tri-1	6	7	3	23	3	6	CF		
"	8	Tri-3	6	7	3	18	3	3	CD		
9AM10		With G-109 adapter grid cap goes to G-109 stud.									
"	5	Tri-1	8	7	9	21	8	5	J	C	
"		With socket adapter grid cap goes to adapter stud.									
"	0	Tri-2	1	7	9	21	8	2	D		
"		With G-109 adapter grid cap goes to G-109 stud.									
9BJ11	3	Tri-3	8	7	9	22	9	7	D	G	
"	0	Pen-2	5	7	5	38	2	2	BJ		
"	8	Pen-1	5	7	5	19	2	9	CJ		
9CG8		Grid cap goes to adapter stud.									
"		Tri	8	7	19	11	1	6	J	C	
"		Pen	7	7	6	38	1	6	AE		
9DZ8		Must show short on B-F.									
"		Tri	8	7	18	28	1	6	G	C	
9EA8		Pen	2	7	13	17	1	6	AE	C	
"		Tri	7	7	19	11	2	6	H	C	
9ED4*		Pen	9	7	15	34	2	6	BE	C	
"		Pen	5	7	0	48	10	6	F		
9GH8		Must show short on A-B-E-G-H-J. Cap goes to to of tube.*Must use magnoval adapter.									
"		Tri	7	7	25	10	7	6	H	C	
"		Pen	9	7	15	33	2	6	BE		

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
9GV8		Tri	9	7	28	10	1	7	H	D	
"		Pen	7	7	7	13	1	7	AE		
9JW8		Tri	7	7	15	21	1	6	H	C	
"		Pen	9	7	7	38	2	6	BE		
9KC6		Tri	9	7	5	34	7	6	AG	C	
9KV8		Tri	9	7	33	10	1	6	B	C	
"		Pen	1	7	8	10	11	6	FG	D	
9KX6		Tri	9	7	5	24	6	7	AF		
9KZ8		Must show short on B-G.									
"		Pen	9	7	8	35	1	7	AE	D	
9MHH3		Tri	7	7	24	10	1	7	H	D	
"		Tri	5	7	16	13	7	6	B	C	
9ML8		Tri	6	7	16	13	7	6	A		
"		Tri-1	5	7	15	15	1	6	B	C	
"		Tri-2	6	7	15	15	1	6	J		
"		Tri-3	7	7	15	15	1	6	H	C	
9MN8		Tri	7	7	5	5	12	6	B	A	
"	6	Pen	6	7	5	6	12	5	B	C	
"	5	Tri	6	7	6	16	12	3	E		
9MP12	0	Tri	1	7	5	28	6	6	EF	C	
9RA6		Pen	8	7	5	5	12	6	AGJ	C	
"		Must show short on A-J. Grid short test- Depress A-J together.									
9RAL1		Tri-1	1	7	10	20	1	6	E	C	
"		Tri-2	1	7	0	13	1	6	H		
9RHR2		Must show short on B-J.									
"		Tri	7	7	25	10	7	6	H	C	
9LA6		Pen	9	7	15	33	2	6	BE		
"		Tri	9	7	5	25	6	7	AF	D	
9V9		Must show short on B-G.									
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Tri	2	7	0	43	10	6	F	E	
"		Hep	2	7	28	45	10	6	AC		
10AF11		Grid cap goes to adapter stud.									
"	0	Tri-1	5	7	18	15	9	2	F	G	
"		Tri-2	2	7	9	25	9	2	C		
10AL11		Pen	2	7	25	37	9	5	A		
"	5	If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Pen-1	4	7	24	10	1	2	EFG	B	
"	2	Pen-2	8	7	15	10	1	6	BC	C	
10CW5		Pen	9	7	0	7	9	6	AEFG		
10DX8		May show short on A-E-F-G-H-J.									
"		Tri	8	8	32	8	1	7	J	D	
10EM7		Pen	6	8	11	8	1	7	EG	F	
"		Tri-1	3	7	32	10	1	9	D		
"		Tri-2	8	7	0	6	1	9	J		

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
10FD12		Pen	9	6	15	33	8	6	EH		
"		Di-1	9	6	0	32	10	6	A		
"		Di-2	9	6	0	32	10	6	F		
10FR7		Tri-1	1	7	15	30	8	7	E	D	
"		Tri-2	1	7	0	41	10	7	JBH		
10GF7		Must show short on J-B. With G-109 adapter grid cap goes to G-109 stud.									
"		Tri-1	7	7	21	28	1	6	F	C	
"		Tri-2	9	7	3	8	1	6	E	C	
10GH8		Tri	7	8	25	10	7	6	H	C	
10GK6		Pen	9	8	15	33	2	6	BE	D	
"		Pen	9	7	22	15	6	7	AF	D	
10GN8		Must show short on B-G.									
"		Tri	9	8	36	10	7	7	B	D	
10GV8		Pen	1	8	7	10	7	7	FG	D	
"		Tri	9	7	28	10	1	7	H	D	
"		Pen	7	7	7	13	1	7	AE	C	
10HF8		Tri	9	8	15	21	1	6	B	C	
10JA5		Pen	1	8	10	13	11	6	FG		
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	2	Tri	3	7	0	9	1	2	FGD	B	
10JA8		Tet	9	8	30	10	6	7	B	D	
10JT8		Tri	1	8	7	27	6	7	FG	C	
10JY8		Pen	1	7	20	10	11	6	B		
"		Tri	9	8	12	10	1	6	FG		
10KR8		Pen	1	8	5	9	2	6	B	C	
"		Tri	9	7	12	14	1	6	FG	C	
10KU8		Pen	1	7	7	21	6	6	B		
"		Di-1	1	7	0	31	10	6	J	D	
"		Di-2	1	7	0	31	10	6	FG	D	
10L14		Pen	1	7	20	21	6	6	E		
10LB8		Tri-1	1	9	25	11	1	7	H	D	
"		Tri-2	9	9	25	11	9	7	B	D	
10LD6		Tri	9	7	21	10	1	7	FG	D	
"		Pen	1	7	2	10	2	7	AEF		
10LD12		May show short on B-E-F-G.									
"		Tri	6	9	34	12	6	7	G	D	
"		Di-1	6	9	0	38	10	7	E		
"		Di-2	6	9	0	43	10	7	J		
10LD13		Di-3	6	9	0	43	10	7	H		
"		Tri	9	8	35	10	9	7	H	D	
"		Di-1	9	8	0	35	10	7	F		
"		Di-2	9	8	0	35	10	7	E		
10LE8		May show short on A-G.									
"		Pen-1	7	7	10	45	6	6	FH	C	
"		Pen-2	7	7	10	45	6	6	EH		
"		OK above 1/3 scale.									

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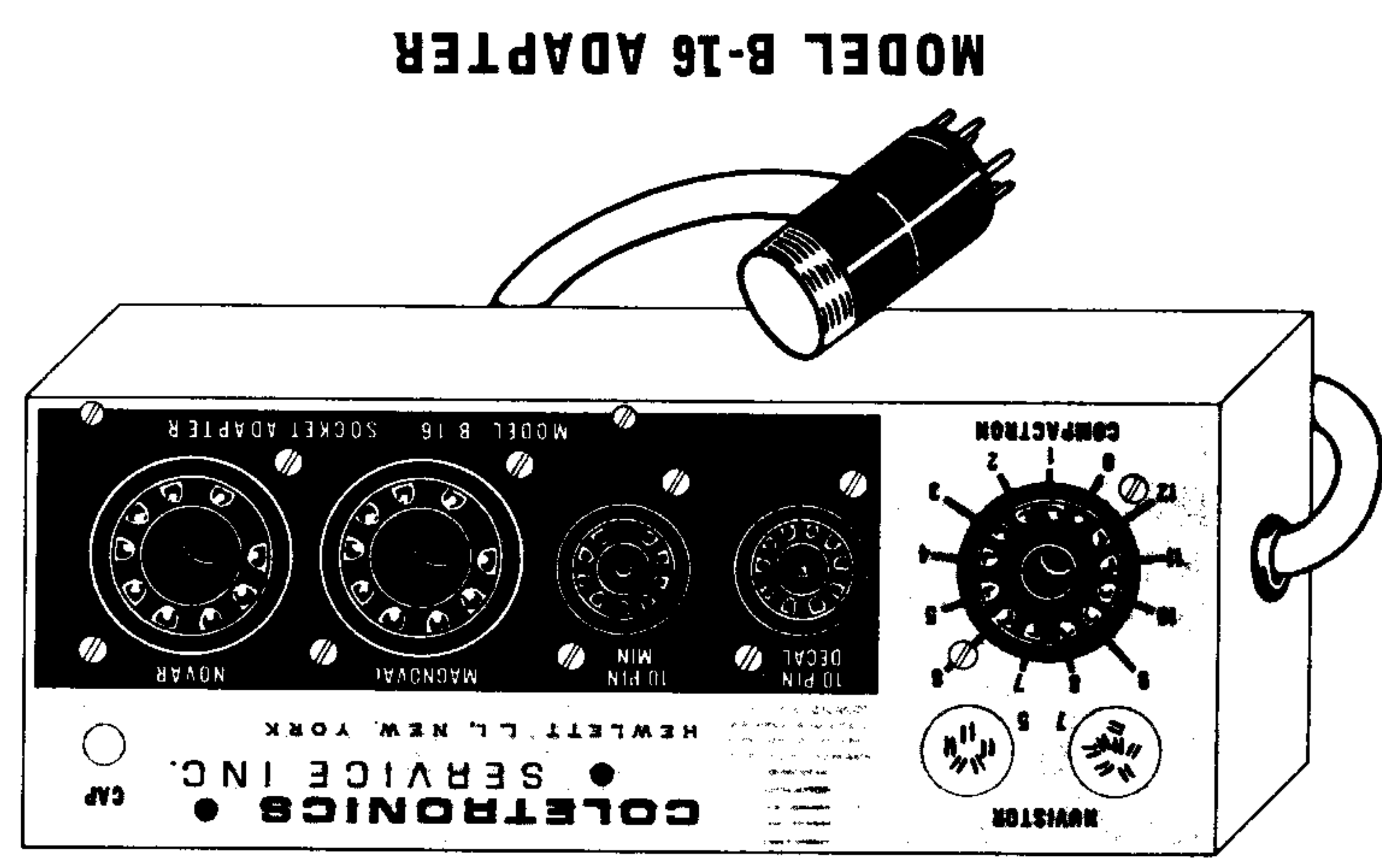
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TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
10LM8		Tri	7	7	20	10	5	7	H	D	
10LW8		Pen	9	7	15	10	5	7	BE	C	
10LY8		Tri	9	7	16	46	10	6	B	C	
10LZ8		Pen	1	7	10	46	10	6	FG	C	
10LZ8		Tri	9	7	14	31	1	6	B	C	
10LZ8		Pen	1	6	8	8	7	6	FG	G	
10P18		Tri	9	7	20	25	1	6	B	D	
10P18		Pen	1	7	15	17	11	6	FG	D	
10T10		Pen	9	11	0	7	6	7	AEFG	D	
"	0	May show short on E-F-G-H. With socket adapter grid cap goes to adapter stud.									
"	6	Pen-1	2	7	12	23	9	2	AE	G	
10Z10		Pen-2	8	7	10	20	2	6	BC		
"	6	If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	0	Pen-1	3	7	30	41	2	9	J	D	
11AF9		Pen-2	1	7	2	40	2	9	CJ		
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid goes to G-109 stud. May show short on J.									
"		Pen-1	6	8	7	10	2	6	G	E	
11AR11		Pen-2	8	8	15	26	2	6	BC		
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	2	Pen-2	1	8	13	35	4	2	CD	B	
"	8	Pen-1	4	8	13	35	3	9	BC		
11BM8		Use grid cap.									
11BN11	7	Tri	8	8	32	11	8	7	G	C	
11BQ11	2	Pen	2	8	23	17	1	7	AE	F	
"		Pen-1	8	8	5	40	2	5	BD		
"		Pen-2	4	8	5	40	5	2	AE		
"	2	If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	8	Pen-2	1	8	7	35	4	2	CD	B	
11BT11		Pen-1	4	8	8	35	3	9	BC		
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	2	Pen-2	1	8	7	35	4	2	CD	B	
"	8	Pen-1	4	8	8	35	3	9	BC		
11CA11	0	If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	2	Tri-1	1	7	20	19	1	2	G	B	
"	5	Tri-2	6	7	17	46	10	5	H		
"	6	Pen	3	7	15	33	2	6	BF	G	
"	0	Tri-2	2	8	20	17	2	2	J		
"	8	Tri-2	5	8	15	16	2	2	C		
11CF11	0	May show short on A.									
"	5	Pen	7	8	45	10	2	3	DE	G	
"	6	Pen	3	8	5	5	1	2	BCD		
"		Pen	3	8	5	5	1	7	AB		
"		Pen	3	8	5	5	1	6	BJ		

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
11CH11										
"										
"	2			7	20	19	1	2	G	B
"	5			7	17	48	10	5	H	
"	6			3	15	35	2	6	BF	
11CY7				1	8	6	45	6	E	C
"				2	8	0	41	10	BHJ	
11DS5				9	8	0	24	6	EF	D
"										
11FY7										
"										
11HM7	5			8	36	10	1	7	B	E
"	2			4	8	0	5	8	A	
"				9	5	10	11	11	AF	
11KV8				9	8	33	10	1	6	C
11LQ8				1	8	8	10	11	FG	
11LT8				7	8	0	43	10	F	
"				7	8	0	43	10	E	
"				7	8	7	34	9	BJ	
11LY6				6	7	9	14	9	ABFGJ	D
"										
11MS8				9	8	28	10	1	7	H
11Y9				7	8	7	13	1	AE	D
"										
"				6	8	7	10	2	6	E
"				8	8	15	26	2	6	BC
12AC10	5			8	8	9	21	8	5	J
"										
"				1	8	9	21	8	2	D
"										
"	3			8	8	9	22	9	7	D
12AE10				2	8	17	19	8	2	AE
"				8	8	10	24	2	6	BC

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
12AF11										
"	0			5	8	18	15	9	2	F
"				2	8	9	25	9	2	C
12AJ7	5			2	8	25	37	9	5	A
"				7	8	12	14	8	6	F
12AL11				9	8	10	17	8	6	AEH
"										
"	2			4	8	24	10	1	2	EFG
"	6			8	8	15	10	1	6	BC
12AU8				9	8	14	16	1	6	B
12AW6				1	8	9	23	11	6	FG
12AX3				1	8	5	41	6	6	DE
"										
"	2			7	8	0	9	11	8	E
12AX12				6	1	20	35	3	1	BC
"				6	1	0	35	10	1	D
12AY3										
"										
"										
12BB14*				1	8	0	0	11	7	AJ
"				1	8	0	44	10	6	HJ
12BE3										
"										
"	2			7	8	0	11	11	2	E
12BF11										
"				2	8	19	19	4	2	AE
"	0									
"										
12BS3				2	8	10	13	4	9	DE
"	8									
"										
12BT3				8	8	0	42	10	6	AJ
"										
12BT6				1	8	0	4	12	2	C
"	0			1	8	12	34	1	6	J
"				1	8	0	35	10	6	F
12BV11	7			1	8	0	35	10	6	E
"	2			8	8	5	28	1	4	B
"				7	8	5	28	1	2	E

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
12CK3										
"										
"										
12CL3										
12CT3										
12DA6										
12DK6										
12DM4										
12DM7										
"										
"										
12DQ4										
12DT6										
12DT7										
"										
12DW4										
"										
"										
12DZ7										
12DZ8										
12E13										
12FQ7										
12FS5										
12FV7										
"										
12FX5										
12G11	6									
12GB3	2									
12GB7										
12GC5										
12GE5										
"										
"										
12GJ5	7									
12GK17										

If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-J.

Must show short on A-J.

Must show short on E-J.

Tri-1
Tri-2

●Fil Cont-Depress C-D; then both C-D together.

Tri-1
Tri-2

●Fil Cont-Depress C,D-then both C-D together.

If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. May show short on A-J.

Di
Pen-1
Pen-2
Tri
Pen
Tri-1
Tri-2

Must show short on B-J.

Di-1
Di-2

Must show short on B-E.

Pen-1
Pen-2

Must show short on B-E-F-H.

If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.

Must show short on A-E-H-J.

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
12GN7										
"										
12GT5										
12GV5	5									
"										
12GW6										
12HB25*										
"										
12HE7										
"										
"	3									
"	6									
12HG7										
"										
12HL5										
12HL7										
"										
12HU8										
12JB6										
"										
12JF5	0									
12JM6	3									
12JN6	5									
12JN8										
12JQ6										
"										
12JS6	3									
"										
12JT6										
"										
"										

●Fil Cont-Depress C-D; then C-D both together. Must show short on B-G.

Must show short on A-E-H-J.

May show short on B-F-G-J. Grid cap goes to top of tube.

Must show short on A-B-E-F-H-J.

*Must use magnoval adapter.

If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.

Must show short on D.

●Fil Cont-Depress C-D; then both C-D together. Must show short on B-G.

Must show short on H-J.

●Fil Cont-Depress C-D; then both C-D together. Must show short on B-G.

Pen-1
Pen-2

Must show short on A-E-H-J. Grid cap goes to top of tube.

Grid cap goes to adapter stud.

Grid cap goes to top of tube.

Must show short on G-J individually.

Tri
Pen
Pen
Di

Must show short on A-B-F-J.

Must show short on E-H. Grid cap goes to top of tube.

If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-H.

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
12JZ8											
"	7	Pen	8	8	12	47	10	4		J	
"	5	Tri	9	8	10	25	2	5		A	
12KA8		Tri	9	8	33	10	11	6		H	
"		Pen	5	8	34	10	11	6		FG	
12KL8		Pen	9	8	26	11	7	7		AE	
"		Di	9	8	0	34	10	7		F	
12MD8		Tri-1	5	8	9	14	1	6		B	
"		Tri-2	6	8	9	14	1	6		J	
"		Tri-3	7	8	9	14	1	6		H	
12MX8		Tri	7	8	20	22	1	6		F	
"		Pen	9	8	5	15	1	6		AE	
12RL3		Tri-1	1	6	26	10	1	3		E	
"		Tri-2	9	6	26	10	1	3		H	
12RLL5		● Fil Cont-Depress C-D; then both C-D.									
"		Tri-1	1	8	19	15	9	7		E	
"		Tri-2	9	8	19	15	9	7		H	
12T10		With socket adapter grid cap goes to adapter stud.									
"	0	Pen-1	2	8	12	23	9	2		AE	
"	6	Pen-2	8	8	10	10	9	6		BC	
13CM5			4	8	3	9	11	1		CGH	
13CW4		Must show short on B-C-F-H.									
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
13CW9		Tri-1	1	8	27	10	2	3		H	
"		Tri-2	9	8	27	10	2	3		E	
13FD7		Tri-1	1	8	20	25	1	6		H	
"		Tri-2	2	8	0	6	1	6		H	
13FM7		Must show short on B-J.									
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	6	Tri-1	7	8	0	34	12	6		C	
"		Must show short on G-H.									
"	2	Tri-2	4	8	0	10	11	2		A	
13FR7		Tri-1	1	8	15	30	8	7		E	
"		Tri-2	1	8	0	41	10	7		JBH	
13GB5*		Must show short on J-B.									
"			7	8	0	26	10	6		EA	
"		*Must use magnoval adapter. Must show short A-B-E-F-H-J. OK above 1/3 scale. Cathode short test-Depress B-F together. Cap goes to top of tube.									

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
13GF7											
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Tri-1	7	8	20	27	1	6		F	
"		Tri-2	9	8	2	7	1	6		E	
13J10		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Pen-1	3	8	30	41	2	9		J	
"	6	May show short on G.									
"		With socket adapter grid cap goes to adapter stud.									
13JT8		Pen-2	1	8	2	27	2	2		CJ	
"	0	Tri	9	8	20	20	1	6		B	
"		Pen	1	8	8	10	11	6		FG	
13JZ8			6	8	5	5	3	2		ACE	
"	4	Grid short test-Depress A-E together.									
13V10			5	8	5	23	8	8		EH	
"		With socket adapter grid cap goes to adapter stud.									
"	0	Pen-1	2	8	15	23	4	2		AE	
"		With G-109 adapter grid cap goes to G-109 stud.									
"	8	Pen-2	2	8	7	17	4	9		DE	
13Z10		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Pen-1	3	8	30	41	2	9		J	
"	6	With socket adapter grid cap goes to adapter stud.									
"	0	Pen-2	1	8	2	27	2	2		CJ	
14BF11		With socket adapter grid cap goes to adapter stud.									
"	0	Pen-1	2	8	19	19	4	2		AE	
"		With G-109 adapter grid cap goes to G-109 stud.									
"	8	Pen-2	2	8	10	13	4	9		DE	
14BL11		Cap goes to adapter stud.									
"	0	Tri-1	4	8	15	48	10	2		A	
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	5	Tri-2	6	8	18	13	1	7		H	
"	7	Pen	4	8	10	21	3	4		CG	
14BQ11		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	2	Pen-2	1	8	7	35	4	2		CD	
"	8	Pen-1	4	8	8	35	3	9		BC	

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
14BR11	0		Grid cap goes to adapter stud.								G
"	5	Tri-1	6	8	15	19	1	2	E		
"		Tri-2	9	8	15	19	1	7	H		
14GW8		Pen	1	8	10	23	6	7	BF	D	
"		Tri	8	8	35	10	2	7	G		
"		Pen	6	8	15	21	2	7	BE		
14JG8		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Di-1	6	8	0	4	3	7	J	D	
"		Di-2	6	8	0	4	3	7	E		
"		Tri	6	8	33	10	3	7	G		
15A6		Tri	9	8	21	10	1	7	AEH	D	
15AF11		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	0	Tri-1	5	8	18	15	9	2	F	G	
"		Tri-2	5	8	18	15	9	2	C		
"	5	Pen	2	8	25	37	9	5	A		
15BD11		If panel has 9 pin socket do not use grid cap. With socket adapter grid cap goes to adapter stud.									
"	0	Tri-1	2	8	34	9	1	2	C	G	
"		Tri-2	5	8	34	9	1	2	F		
"	5	Pen	2	8	0	4	3	5	AB	C	
15CW5		Pen	9	8	0	7	9	6	AEFG		
15DQ8		May show short on A-E-F-G-H-J.									
"		Tri	8	8	28	10	1	7	J	D	
"		Pen	6	8	10	10	1	7	EG		
15EW7		Tri-1	1	8	26	10	1	7	E	D	
"		Tri-2	2	8	0	12	11	7	H		
15FM7		Must show short on B-J.									
"	6	If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Tri-1	7	8	0	34	12	6	C	A	
"	2	Must show short on G-H.									
"		Tri-2	4	8	0	10	11	2	A	C	
15FO7		Tri	7	6	7	8	1	6	F		
"		Pen	9	6	10	37	1	6	AE		
15FY7		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	5	Tri-1	9	8	36	10	1	7	B	E	
"	2	Tri-2	4	8	0	5	2	8	A	D	
15HB6		Tri	9	8	6	9	7	7	AEF		
15KY8		May show short on B-E-F-G.									
"		Tri	7	8	20	22	1	6	F	C	
"		Pen	9	8	5	15	1	6	AE		
15LE8		Pen-1	7	8	10	45	6	6	FH	C	
"		Pen-2	7	8	10	45	6	6	EH		
"		OK above 1/3 scale.									

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
15MF8	7	Pen	8	8	15	49	10	4	J	E	
"	5	Tri	9	8	10	17	2	5	A	C	
15MX8		Tri	7	8	20	22	1	6	F		
"		Pen	9	8	5	15	1	6	AE	C	
16A5		Tri	9	8	15	18	7	6	AG	C	
16A8		Pen	2	8	30	12	8	7	G	D	
16AK9	0	Pen	2	8	22	17	1	7	AE		
"		Tri	1	7	29	11	1	5	B	•	
"		Tri	1	7	29	9	1	5	F		
"	8	●Fil Cont-Depress G-H.									
16BQ11		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	2	Tri	1	8	7	37	4	2	CD	B	
"	8	Tri	4	8	8	35	3	9	BC		
16BX11		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	8	Tri-1	2	8	31	12	6	3	J	H	
"	2	Tri-2	1	8	31	12	9	8	F		
"	5	Pen	1	8	5	38	6	5	BF		
16CB28		If panel has 9 pin socket do not use grid cap. With G-109 adapter cap goes to G-109 stud.									
"	6	Tri	9	8	4	9	11	6	CG	A	
"		Must show short on C-G.									
16GK6		Tri	9	8	22	15	6	7	AF	D	
16GY5		Must show short on B-G.									
"	6	Tri	9	8	4	9	11	6	CG	A	
"		Must show short on C-G.									
16HB5	0	Tri	2	8	4	5	2	2	AJ	G	
16KA6		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	4	Tri	5	8	0	43	10	8	G	D	
"		Must show short on F-J.									
16KH8		Tri	2	8	31	12	1	6	GH	C	
"		Tri	2	8	31	10	1	6	BG		
16LD6		Tri	6	8	31	10	1	6	FG	D	
"		Tri	9	8	5	10	8	7	AEF		
16LU8	5	May show short on B-E-F-G.									
"	8	Tri	9	8	10	16	2	5	A	C	
"	5	Pen	2	8	0	43	10	3	HJ		
"	8	Must show short on H-J.									
16MY8	5	Tri	9	8	10	16	2	5	A	C	
"	8	Pen	2	8	0	43	10	3	HJ		
"		Must show short on H-J.									

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
17JB6		1	8	0	6	4	6	6	AGH	C	
"		Must show short on A-E-H-J. Grid cap goes to top of tube.									
17JF6		7	8	0	6	1	7	7	AH	D	
"		Cap goes to top of tube. Must show short on A-E-H-J.									
17JG6		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		9	8	2	6	7	7	7	AGH	D	
"		Must show short on A-H.									
17JK8		With G-109 adapter grid cap goes to G-109 stud.									
"		Tri-1	1	8	19	10	1	7	E	D	
"		Tri-2	9	8	14	10	1	7	H	C	
17JM6	3	6	8	15	28	5	1	1	AG	C	
"		Grid cap goes to top of tube.									
17JN6	5	2	8	18	28	6	5	5	GJ	C	
"		Must show short on G-J individually.									
17JQ6		Pen	1	8	0	9	1	6	BHJ	C	
"		Di	1	8	0	10	11	6	E	C	
"		Must show short on A-B-F-J.									
17JR6		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		9	8	5	7	7	7	7	AGH	D	
"		Must show short on A-H.									
17JS6	3	6	8	7	5	5	7	7	EGH	J	
"		Must show short on E-H. Grid cap goes to top of tube.									
17JT6		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		9	8	3	9	7	7	7	AGH	D	
"		Must show short on A-H.									
17JZ8		With G-109 adapter grid cap goes to G-109 stud. If panel has 9 pin socket do not use grid cap.									
"	7	Pen	8	8	12	47	10	4	J	E	
"	5	Tri	9	8	10	25	2	5	A	D	
17KV6		9	8	5	6	7	7	7	AGH	D	
"		Must show short on A-H.									
17LD8		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Tri	7	8	14	22	1	6	F	C	
"		Pen	9	8	11	10	1	6	AE	C	
17RHH2		Tri-1	1	12	20	12	4	6	E	C	
"		Tri-2	9	12	20	12	4	6	H	C	
17W6		4	8	8	9	3	1	1	BC	C	

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
17XJ0		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	5	2	8	5	17	1	5	5	AH	C	
"	0	1	8	12	42	5	2	2	CE	C	
"		OK above 1/3 scale.									
17Y9		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Pen-1	6	8	7	10	2	6	G	E	
"		Pen-2	8	8	15	26	2	6	BC	C	
18AJ10		With socket adapter grid cap goes to adapter stud.									
"	0	Pen-1	2	12	16	17	9	2	AE	G	
"	6	Pen-2	8	12	10	28	2	6	BC	C	
18DZ8		Tri	8	8	18	28	1	6	G	C	
"		Pen	2	8	13	17	1	6	AE	C	
18GB5*		7	8	0	26	10	6	6	AE	C	
"		OK above 1/3 scale. Must show short on A-B-E-F-H-J. Cap goes to top of tube. Cathode short test-Depress B-F together.									
"		*Must use magnoval adapter.									
18GD6		1	8	12	20	1	6	6	EF	C	
18GV5	5	8	12	0	6	1	7	7	BFG	E	
"		Must show short on B-F. Black grid cap goes to top of tube.									
18GV8		Tri	9	8	28	10	1	7	H	D	
"		Pen	7	8	7	13	1	7	AE	C	
18RAL1		Tri-1	1	12	10	20	1	6	E	C	
"		Tri-2	1	12	0	13	1	6	H	C	
"		Must show short on B-J.									
19A3		1	8	0	47	10	7	7	E	C	
"		●Fil Cont-Depress D. Then-F-; Then both D-F.									
19AJ8		Hep	9	8	11	41	8	7	EH	C	
"		Tri	7	8	13	26	8	7	F	C	
19AQ5		6	9	50	30	1	6	6	E	C	
"		Must show short on A-J.									
19BR5		Tri	8	12	30	10	8	6	A	C	
"		Eye	8	12	0	0	8	6	ABEG	C	
"		Eye test-Depress A-B-E-G for full screen. Depress B-E-G for shadow.									
19BX6		9	12	3	37	6	6	6	AF	C	
"		Must show short on B-H. Cathode short test-Depress B-H together.									
19BY7		9	12	5	34	6	7	7	AF	D	
"		Must show short on B-H. Cathode short test-Depress B-H together.									
19CG3	0	5	9	0	43	10	3	3	C	H	
19DE3	7	2	8	0	46	10	5	5	C	F	
"		Grid cap goes to top of tube.									

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
19DE7		Tri-1	1	9	13	22	1	6	E	C	
"		Tri-2	2	9	0	12	11	6	H		
"	0	Must show short on B-J.									
19DQ3		Tri-1	5	9	0	5	9	3	C		
19EW7		Tri-1	1	9	26	10	1	7	E	D	
"		Tri-2	2	9	0	12	11	7	H		
"		Must show short on B-J.									
19EZ8		Tri-1	7	9	31	10	7	6	F	C	
"		Tri-2	1	9	31	10	1	6	E		
"		Tri-3	9	9	31	10	9	6	B		
10FL8		Pent	9	12	11	35	8	7	EH	D	
"		+Di-1	9	12	0	27	10	7	A		
"		+Di-2	9	12	0	27	10	7	F		
"		+Read on Diode scale.									
19FX5			6	8	0	27	6	7	FJ	D	
"		Must show short on B-E.									
19GQ7		Di-1	2	8	0	43	10	6	F	C	
"		Di-2	2	8	0	43	10	6	E		
"		Di-3	2	8	0	43	10	6	J		
19HR6			1	8	7	12	1	6	BEF	C	
19HS6			1	12	12	30	6	7	EF	D	
19JC6			9	12	5	30	6	7	AF	D	
"		Must show short on B-H.									
19JN8		Pen	7	12	5	36	1	7	AE	D	
"		Tri	8	12	11	12	1	7	J		
19KF6*		With G-109 adapter grid cap goes to G-109 stud.									
"			6	9	0	7	5	6	EG	C	
"		Must show short on A-H.									
"		*Must use magnoval adapter.									
19KG8		Tri	9	8	15	17	1	7	H	D	
"		Pen	7	8	6	39	1	7	AE		
19MR9			1	8	12	20	1	6	EF	C	
19U3			1	8	0	0	11	7	G	D	
19W3			1	8	0	0	11	7	G	D	
19Y3			2	8	0	8	11	7	G	D	
20D4		Amp*	1	6	11	32	8	6	EH	C	
"		Osc	9	6	26	10	7	6	H		
"		Tri	7	6	25	13	7	6	F		
20EW7		Amp* OK above 1/3 scale.									
"		Tri-1	1	8	26	10	1	7	E	D	
"		Tri-2	2	8	0	12	11	7	H		
20LF6		Must show short on B-J.									
"		If panel has 9 pin socket cap goes to top of tube. With G-109 adapter cap goes to G-109 stud. Must show short on A-F-H-J.									
"	4		1	8	0	46	10	8	G	C	
21A6			9	9	7	8	1	6	AF		
21AK6		Must show short on A-E-F-G-H.									
21EX6			1	9	22	23	6	6	EF	C	
"			4	9	5	6	8	1	FG	A	

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
21GY5		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on C-G.									
"	6	Pen	9	9	4	9	11	6	CG	A	
21HB3		Di	6	9	20	35	3	1	BC		
21HB5			6	9	0	35	10	1	D		
21HD5	0	Grid cap goes to socket adapter stud.									
"			2	12	4	5	2	2	AJ	G	
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
21HJ5	2		4	9	5	9	1	8	AG	H	
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
21JS6	2		4	6	5	9	1	8	AG	H	
"	3		6	9	7	5	5	7	EGH	J	
"		Must show short on E-H. Cap goes to top of tube.									
21JV6	5		2	9	8	36	6	5	GJ	C	
21JZ6	3	Must show short on G-J individually.									
21KA6	4	Cap goes to top of tube.									
"			5	9	0	43	10	8	G	D	
21KQ6*		Must show short on F-J. If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"			5	9	0	44	10	6	FH	C	
"		Cap goes to top of tube. Must show short on A-B-E-F-H-J. *Must use magnoval adapter.									
21LG6	4		1	10	0	5	3	6	G	B	
"		Screen short test-Depress A-J together. Cathode short test-Depress F-H together. If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
21LR8		Tri	7	9	12	15	1	6	F	C	
"		Pen	9	9	5	13	1	6	AE	C	
"		Tri	9	9	10	16	2	5	A	C	
21LU8	5	Pen	2	9	0	43	10	3	HJ		
"	8	Must show short on H-J.									
21MY8	5	Tri	9	9	10	16	2	5	A	C	
"	8	Pen	2	9	0	43	10	3	HJ		
22BH3		Must show short on H-J. With G-109 adapter grid cap goes to G-109 stud.									
"			1	9	0	0	11	7	AJ	D	
"		Must show short on A-J.									
22BW3		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"	0		9	9	0	44	10	2	C	G	

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
22JF6		7	9	0	6	1	7		AH	D	
"		Must show short on A-E-H-J. Grid cap goes to top of tube.									
22JG6		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-H.									
"		9	9	2	6	7	7		AGH	D	
22JR6		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-H.									
"		9	9	5	7	7	7		AGH	D	
22JU6		7	9	0	6	1	7		AH	D	
"		Must show short on A-E-H-J. Grid cap goes to top of tube.									
22KM6		5	9	0	43	10	6		EJ	C	
"		Must show short on E-J. Cap goes to top of tube.									
22KV6		9	9	5	6	7	7		AGH	D	
23JS6	3	6	9	7	5	5	7		EGH	J	
"		Must show short on E-H. Cap goes to top of tube.									
23MB6	6	2	9	8	6	11	6		BCG	A	
"		Must show short on C-G. Grid cap goes to top of tube.									
23Z9	5	Grid cap goes to adapter stud.									
"		Tri-1	6	9	25	13	2	5		A	C
"		Tri-2	9	9	25	13	1	5		B	
"		Pen	9	9	0	14	2	4		BG	
24AX4	0	7	9	0	3	11	4		D		
24BF11	8	Pen-1	2	9	19	19	4	2		AE	G
24GA7		Pen-2	2	9	10	13	4	9		DE	
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		3	9	1	5	4	6		C	A	
"		Must show short on F-G.									
"		5	9	11	7	3	8		CD		
24JE6	2	1	9	0	6	4	6		AGH	C	
"		Cap goes to top of tube. Must show short on A-E-H-J.									
24JZ8	7	Pen	8	9	12	47	10	4		J	E
24LQ6	5	Tri	9	9	10	25	2	5		A	
"		1	9	0	6	4	6		AGH	C	
24LZ6		Cap goes to top of tube. Must show short on A-E-H-J.									
25BB14*		1	9	0	46	10	7		AEGHJ	D	
"		Must show short on A-E-H-J.									
25CG3	0	1	9	0	44	10	6		HJ	C	
"		Cap goes to top of tube. Must show short on A-B-E-F-H-J. *Must use magnoval adapter.									

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
25CK3		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-J.									
"		1	9	0	42	10	7		AJ	D	
25CM3		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		8	9	0	45	10	6		AJ	C	
"		Must show short on A-J.									
25CT3		8	9	0	45	10	6		EJ	C	
25DL3		Must show short on E-J.									
25DT5		1	9	0	5	2	7		AJ	D	
25GB6		Plate short test-Depress A-J together.									
25HX5*		2	9	0	19	8	7		GH	D	
"		Must show short on B-E.									
"		4	9	3	15	11	1		CG	A	
"		2	9	4	5	2	6		AEGH	C	
"		Must show short on A-B-H-J. Grid short test-Depress A-H- together. Cathode short test-Depress B-J together.									
"		*Must use magnoval adapter.									
25JQ6		Pen	1	9	0	9	1	6		BHJ	C
"		Di	1	9	0	10	11	6		E	
25JZ8	7	Must show short on A-B-F-J.									
25MP20	5	Pen	8	9	12	47	10	4		J	E
26AQ8		Tri	9	9	10	25	2	5		A	C
26DQ5		Tri-1	1	9	12	36	6	6		DEH	D
"		Tri-2	1	9	25	11	1	7		E	D
"		8	9	0	5	2	1		CFG		
"		Must show short on B-C-D-E-F-H. Grid short test-Depress D-H together. Screen short test-Depress C-F together. Cathode short test-Depress B-E-together.									
26HU5		1	9	6	6	3	9		BG	F	
"		Must show short on D-E-H-J. Cathode short test-Depress E-J together. Grid short test-Depress D-H together									
26HV5	0	9	9	5	33	2	2		A	G	
26JG6		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-H.									
26LW6		9	9	2	6	7	7		AGH	D	
26LX6	3	5	9	20	6	1	4		BG		
"		May show short on D-E-H-J.									
27GB5*		6	9	7	5	5	7		EGH	J	
"		Must show short on E-H. Cap goes to top of tube.									
"		7	9	0	26	10	6		EA	C	
"		Must show short on A-B-E-F-H-J. Cathode short test-Depress B-F together. OK above 1/3 scale. Cap goes to top of tube. *Must use magnoval adapter.									

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
27LF6	4	1	9	0	46	10	8		G	D
28GB5*		7	9	0	26	10	6		EA	C
"			Must show short on A-B-E-F-H-J. Cathode short test-Depress B-F together. OK above 1/3 scale. Cap goes to top of tube. *Must use magnoval adapter.							
28HD5			If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
"	2	4	10	5	9	1	8		AG	H
29GK6			If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on B-G.							
29KQ6*		9	10	22	15	6	6		AF	C
"		5	10	0	44	10	6		FH	C
29LE6*		2	9	4	5	2	6		ABEFHJ	C
"			Must show short on A-B-E-F-H-J. Cap goes to top of tube. *Must use magnoval adapter.							
"			Must show short on A-B-E-F-H-J. Grid-1 short test-Depress F-H together. Grid-2 short test-Depress B-E together. Screen short test-Depress A-J together. *Must use magnoval adapter.							
30A5		6	10	30	30	1	6		J	C
30AG11			Must show short on B-E.							
"	8		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
"		2	10	19	14	5	3		J	B
"			2	10	0	42	10	3	D	
"			1	10	19	14	1	2	F	
"			1	10	0	42	10	2	D	
30C18		7	7	15	9	1	6		H	C
"		1	7	5	40	9	6		BJ	
"			Must show short on EF.							
30CW5		9	10	0	7	9	6		AEEFG	C
"			OK above 1/4 scale. May show short on A-E-F-G-H-J.							
30HD5			If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
"	2	4	10	5	9	1	8		AG	H
30HJ5			If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
"	2	4	10	5	9	1	8		AG	H
"			6	10	15	21	5	7	EG	J
30JZ6	3		Cap goes to top of tube.							
30KD6	4	1	10	0	43	10	8		G	D
"			Must show short on A-F-H-J. Cap goes to top of tube. If panel has 9 pin socket cap goes to top of tube. With G-109 adapter cap goes to G-109 stud.							

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
30LW6		5	10	20	6	1	4		BG	
30MB6	6		Must show short on D-E-H-J.							
"		2	10	8	6	11	6		BCG	A
30MP23			Must show short on C-G. Grid cap goes to top of tube.							
"		2	10	5	5	2	6		BDE	C
30MP27			Must show short on B-E. Grid short test-Depress B-E together.							
30PL12		8	30	12	8	7			G	D
31AL10	5	2	8	22	17	1	7		AE	C
"	6	2	9	5	24	2	5		AF	C
"	8	2	8	5	7	2	3		CJ	●
31JS6	3		●Fil Cont-Depress A-D.							
"		2	8	5	35	2	2		C	●
31LQ6			●Fil Cont-Depress A-G.							
"		6	10	7	5	5	7		EGH	J
31LR8			Must show short on E-H. Grid cap goes to top of tube.							
31LZ6		1	10	0	6	4	6		AGH	C
32A8			Must show short on A-E-H-J. Cap goes to top of tube.							
32GA7		7	10	12	15	1	6		F	C
"		9	10	5	13	1	6		AE	
"		1	10	0	46	10	7		AEGHJ	D
"			Must show short on A-E-H-J.							
32HJ7	2	8	10	32	11	8	7		G	D
"	5	2	10	23	17	1	7		AE	
33GT7	6		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
"		3	10	1	5	4	6		C	A
"			Must show short on F-G.							
33HQ7	2	5	10	11	7	3	8		CD	
"	5		With G-109 adapter cap goes to G-109 stud.							
"	6	1	10	0	45	10	5		A	C
"		9	10	5	50	10	6		C	
33GY7	4		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Read on Diode scale. Pent-Not able to check.							
"		2	10	0	24	10	8		E	D
"			If panel has 0 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
"	3	5	10	0	24	10	7		D	J
"	4		Grid cap now goes to multi-socket adapter stud.							
"		8	10	5	7	8	8		J	

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
33HE7	3		3	10	0	5	3	7		J
"	6		9	10	10	50	10	8		
"			If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
33JR6			9	10	5	7	7	7	AGH	D
"			Must show short on A-H.							
33JV6	5		2	10	8	36	6	5	GJ	C
"			Must show short on G-J individually.							
34CD3	0		2	10	0	42	10	2	C	G
"			Grid cap goes to adapter stud.							
34CE3	0		With socket adapter grid cap goes to adapter stud.							
34CM3			9	10	0	4	1	2	C	G
"			If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on A-J.							
35C3			8	10	0	45	10	6	AJ	C
35DZ8			9	10	0	9	11	6	E	C
"			8	10	18	28	1	6	G	C
35LR6	3		2	10	13	17	1	6	AE	J
"			6	10	7	6	5	7	EGH	J
"			Must show short on E-H. Cap goes to top of tube.							
36KD6	4		1	10	0	45	10	8	G	D
"			Must show short on A-F-H-J. Cap goes to top of tube. If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
36MC6			2	10	16	9	9	6	AEGHJ	C
"			Must show short on A-E-H-J. Grid short test-Depress E-J together. Screen short test-Depress A-H together. Grid cap goes to top of tube.							
38HE7			If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
"	3		3	10	0	5	3	7	D	J
"	6		9	10	10	50	10	8	C	
38HK7			Must show short on D.							
"			If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
40KD6	4		1	10	0	43	10	8	G	D
"			Cap goes to top of tube. Must show short on A-F-H-J. If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
42EC4*			1	10	0	45	10	6	AFJ	C
"			Must show short on A-F-J. Cap goes to top of tube. *Must use magnoval adapter.							
42KN6	6		9	10	10	5	2	6	CG	A
"			Must show short on C-G. Cap goes to top of tube.							
50BM8			8	11	30	10	1	7	G	D
"			2	11	2	9	5	7	AE	
50GY7			If panel has 9 pin socket do not use grid cap. With G-109 adapter cap goes to G-109 stud.							
"	3		5	11	0	24	10	7	D	J
"	4		8	11	5	7	8	8	J	
50HN5			6	11	0	16	7	6	AG	C
"			Must show short on H-J.							
50JY6			4	11	15	38	9	1	G	
"			Must show short on C-H.							
53HK7			If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
"	3		3	11	0	5	3	7	D	J
"	6		9	9	5	50	10	8	C	
58HE7			If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud. Must show short on D.							
"	3		3	11	0	5	3	7	D	J
"	6		9	11	10	50	10	8	C	
60FX5			1	11	0	28	6	7	FJ	D
"			Must show short on B-E.							
60HL5			6	11	0	16	7	6	AG	C
"			Must show short on H-J.							
396A			2	6	26	8	1	3	C	H
"			1	6	26	8	1	3	E	C
403B			1	6	14	28	6	6	EF	C
TJ880			9	6	10	12	11	6	AF	C
"			Cathode short test-Depress B-J together.							
5751			Must show short on B-E-G-H.							
"			1	6	33	10	12	3	E	●
"			9	6	33	10	12	3	H	
CK5755			●Fil Cont-Depress C then C-D together.							
"			5	6	16	29	2	6	EF	G
"			Must show short on C-G.							
5763			5	6	16	35	2	7	BH	
"			Must show short on D-G.							
"			6	6	9	15	5	6	EH	C
5840			Pin #9 must be open circuited to test this tube. If using Precision G-109 adapter, simply leave off grid cap connection to side stud of adapter.							
"			8	6	15	10	2	5	AD	B
"			Must show short on C-F-J. Cathode short test Depress C-F-J together.							

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
5844		Tri-1	5	6	16	13	7	6	B	C
		Tri-2	6	6	16	13	7	6	A	
5845		2	3	0	50	6	1	1	A	•
		2	3	0	50	6	1	1	E	
		●Fil Cont-Depress C-D, then C-D together. OK above 1/4 scale.								
5896		Di-1	6	6	0	4	7	8	D	E
		Di-2	6	6	0	4	7	8	H	
5933		2	6	30	11	7	1	1	BG	A
6012		8	6	10	8	1	9	9	DF	J
6025		8	6	15	10	2	5	5	AD	B
		Must show short on F-J. Cathode short test-Depress F-J together.								
6084		5	6	4	6	8	6	6	EG	C
		Screen short test-Depress A-J together.								
6085		Tri-1	9	6	28	10	2	3	H	•
		Tri-2	1	6	28	10	2	3	E	
		●Fil Cont-Depress C-D; then both C-D. ACEGHJ								
6094		8	6	0	44	10	6	6	ACEGHJ	B
		Cap goes to G-109 adapter. Must show short on A-C-E-G-H-J.								
6216A		9	6	25	32	1	7	7	EH	D
		Must show short on B-E-F-H. Cathode short test-Depress B-F together.								
6227		9	6	10	10	6	6	6	AF	C
6267		7	6	17	32	8	6	6	EH	C
CK6293		6	6	4	8	4	9	9	BDG	J
		Must show short on A-J. Cathode short test								
CK6526		3	1	12	50	10	6	6	HJ	B
6550		4	6	5	15	3	1	1	BC	H
PL6574		6	6	9	8	9	9	9	BDE	D
6686		9	6	11	10	3	7	7	AFG	D
		Must show short on E-H.								
6689		9	6	15	33	6	7	7	AG	D
6939		Pen-1	2	6	12	25	1	3	AF	•
		Pen-2	8	6	12	25	1	3	AE	
		●Fil Cont-Depress C-D; then both C-D together. G								
7119		Tri-1	1	6	27	5	1	4	G	•
		Tri-2	9	6	27	5	1	4	H	
		●Fil Cont-Depress C-D; then C-D together. E								
7167		1	8	20	21	6	6	6	E	C
		Must show short on B-J. Cathode short test-Depress B-J together.								
7233		2	6	18	45	10	6	6	ABEGHJ	C
7308		Must show short on A-B-E-G-H-J.								
		Tri-1	7	6	5	5	1	6	HJ	C
		Tri-2	7	6	5	5	3	6	AE	
		Must show short on C-E-H. Cathode short test								
		Depress C-E-H together.								
8417		4	6	5	13	3	1	1	BC	
		Must show short on A-E-G-J. *Must use mag-nova adapter.								
8278*		1	6	0	42	10	6	6	AB	C
		Must show short on A-B-E-F-H-J.								
8298		4	6	5	7	1	1	1	BG	
		*Must use magnova adapter.								
8203		9	6	24	42	10	6	6	H	C
8233*		6	6	6	16	2	6	6	BH	C
		Must show short on A-E-G-J. *Must use mag-nova adapter.								
8156		1	6	7	38	6	6	6	EF	C
		8	8	6	15	9	6	6	AFGJ	B
		Must show short on A-F-G. Do not use grid cap.								
8102		9	6	7	26	10	7	7	H	C
		OK 1/3 scale.								
8106		9	8	18	14	11	6	6	AF	C
		Must show short on B-G.								
8077		2	8	10	15	1	6	6	H	C
		7	8	5	38	1	6	6	AE	
8032		1	8	11	9	1	6	6	BFG	C
		May show short on B-E-F-G-J. Cathode short test-Depress E-G-J together.								
8056		1	6	28	10	11	7	7	EF	D
		Must show short on B-E-F-G-J. Cathode short test-Depress B-J together.								
7984		9	6	7	26	10	7	7	H	C
		Must show short on C-E-H. Cathode short test								
7898		9	6	7	26	10	7	7	H	C
		Depress C-E-H together.								
7868		3	8	4	10	11	5	5	DGH	F
		Use grid cap. Must show short on B-J-D-H.								
7788		4	8	5	7	1	1	1	BG	A
		4	8	5	7	1	1	1	BG	A
7755		4	8	5	7	1	1	1	BG	A
		Cathode short test-Depress B-J together.								
7802		4	8	5	7	1	1	1	BG	A
		Must show short on C-E-H. Cathode short test								
7320		7	6	45	32	5	6	6	A	C
		Must show short on H-J.								
7360		2	6	5	36	9	6	6	EFJ	C
7586		9	6	24	42	10	6	6	H	C
7643		7	6	18	10	1	6	6	H	C
		9	6	16	33	2	6	6	BE	A
		4	6	5	5	3	1	1	BD	C
		9	6	15	47	10	6	6	EG	C
		Must show short on B-E-G-H.								
		Tri-1	8	6	3	5	2	9	J	F
		Tri-2	3	6	3	5	2	9	D	
		Will show short on A-E-H-J.								
		Tri-2	1	7	28	5	2	3	HJ	•
		Tri-1	1	7	28	5	2	3	AE	
		●Fil Cont-Depress C-D together.								
		If panel has 9 pin socket do not use grid cap. With socket adapter grid cap goes to adapter stud.								

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
5844		Tri-1	5	6	16	13	7	6	B	C	
"		Tri-2	6	6	16	13	7	6	A		
5845			2	3	0	50	6	1	A	•	
"			2	3	0	50	6	1	E		
"		●Fil Cont-Depress C-D, then C-D together. OK above 1/4 scale.									
5896		Di-1	6	6	0	4	7	8	D	E	
"		Di-2	6	6	0	4	7	8	H		
5933			2	6	30	11	7	1	BG	A	
6012			8	6	10	8	1	9	DF	J	
6025			8	6	15	10	2	5	AD	B	
"		Must show short on F-J. Cathode short test-Depress F-J together.									
6084			5	6	4	6	8	6	EG	C	
6085		Screen short test-Depress A-J together.									
"		Tri-1	9	6	28	10	2	3	H	•	
"		Tri-2	1	6	28	10	2	3	E		
6094		●Fil Cont-Depress C-D; then both C-D. Cap goes to G-109 adapter. Must show short on A-C-E-G-H-J.									
6216A			9	6	25	32	1	7	EH	D	
"		Must show short on B-E-F-H. Cathode short test-Depress B-F together.									
6227			9	6	10	10	6	6	AF	C	
6267		Must show short on E-H.									
CK6293			7	6	17	32	8	6	EH	C	
"		Must show short on A-J.									
CK6526			6	6	4	8	4	9	BDG	J	
6550		Must show short on C-E-H. Cathode short test-Depress C-E-H together.									
PL6574			3	1	12	50	10	6	HJ	B	
6686			4	6	5	15	3	1	BC	H	
6689			6	6	9	8	9	9	BDE	D	
6939			9	6	11	10	3	7	AFG	D	
"		Must show short on E-H.									
7119			9	6	15	33	6	7	AG	D	
"		Pen-1	2	6	12	25	1	3	AF	•	
7167		Pen-2	8	6	12	25	1	3	AE		
"		●Fil Cont-Depress C-D; then both C-D together.									
"		Tri-1	1	6	27	5	1	4	G	•	
"		Tri-2	9	6	27	5	1	4	H		
"		●Fil Cont-Depress C-D; then C-D together.									
7167			1	8	20	21	6	6	E	C	
"		Must show short on B-J. Cathode short test-Depress B-J together.									
7233			2	6	18	45	10	6	A BEGHJ	C	
7308		Must show short on A-B-E-G-H-J.									
"		Tri-1	7	6	5	5	1	6	HJ	C	
"		Tri-2	7	6	5	5	3	6	AE		

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
7320			7	6	45	32	5	6	A	C	
"		Must show short on H-J.									
7360			2	6	5	36	9	6	EFJ	C	
7586			9	6	24	42	10	6	H	C	
7643		Tri	7	6	18	10	1	6	H	C	
"		Pen	9	6	16	33	2	6	BE		
7755			4	6	5	5	3	1	BD	A	
7788			9	6	15	47	10	6	EG	C	
7802		Must show short on B-E-G-H.									
"		Tri-1	8	6	3	5	2	9	J	F	
"		Tri-2	3	6	3	5	2	9	D		
7868			6	6	0	12	9	7	AGH	C	
"		Will show short on A-E-H-J.									
7898		Tri-2	1	7	28	5	2	3	HJ	•	
"		Tri-1	1	7	28	5	2	3	AE		
7984		●Fil Cont-Depress C-D together. If panel has 9 pin socket do not use grid cap. With socket adapter grid cap goes to adapter stud.									
"			3	8	4	10	11	5	DGH	F	
"		Use grid cap. Must show short on B-J-D-H. Cathode short test-Depress B-J together.									
8032			4	8	5	7	1	1	BG	A	
"		Must show short on C-E-H. Cathode short test-Depress C-E-H together.									
8056			9	6	7	26	10	7	H	C	
"		OK 1/3 scale.									
8077			9	8	18	14	11	6	AF	C	
"		Must show short on B-G.									
8102		Tri	2	8	10	15	1	6	H	C	
"		Pen	7	8	5	38	1	6	AE		
8106			1	8	11	9	1	6	BFG	C	
"		May show short on B-E-F-G-J. Cathode short test-Depress E-G-J together.									
8113			1	6	28	10	11	7	EF	D	
"		Must show short on B-J. Cathode short test-Depress B-J together.									
8136			1	6	7	38	6	6	EF	C	
8156			8	8	6	15	9	6	AFGJ	B	
"		Must show short on A-F-G. Do not use grid cap.									
8203			9	6	24	42	10	6	H	C	
8233*			6	6	6	16	2	6	BH	C	
"		Must show short on A-E-G-J. *Must use magnoval adapter.									
8278*			1	6	0	42	10	6	AB	C	
"		Must show short on A-B-E-F-H-J. *Must use magnoval adapter.									
8298			4	6	5	7	1	1	BG		
"		Must show short on C-E-H. Cathode short test-Depress C-E-H together.									
8417			4	6	5	13	3	1	BC		

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
8425		1	6	14	40	6	6	6	EF	C	
8441		9	6	9	45	10	7	7	H	D	
8532		8	6	0	18	1	6	6	J	C	
8552		Must show short on A-E-F.									
"		4	8	5	7	1	1	1	BG	A	
"		Must show short on C-E-H. Cathode short test									
8908		2	6	34	47	10	9	9	DEGHJ	F	
"		Depress C-E-H together.									
8950	3	6	8	7	6	5	7	7	EH	J	
"		Must show short on D-E-G-H. Cap goes to top of tube.									
FOREIGN											
DAF92		Pen	6	1	20	35	3	1	BC		
DL93		Di	6	1	0	35	10	1	D		
"		4	1	15	26	3	5	5	BCF	•	
DL95		•Fil Cont-Depress A-J; then both A-J.									
"		Must show short on B-F.									
"		3	1	22	25	4	5	5	BDF	•	
E55L*		•Fil Cont-Depress A-J; then both A-J. Must show short on B-F.									
E80CC		6	6	6	16	2	6	6	BH	D	
"		Must show short on A-E-G-J.									
"		*Must use magnaval adapter.									
E80F		Tri-1	9	6	28	10	2	3	H	•	
E80L		Tri-2	1	6	28	10	2	3	E		
E81L		•Fil Cont-Depress C-D; then both C-D.									
E83F		Screen short test-Depress A-J together.									
E84L		5	6	4	6	8	6	6	EG	C	
E188CC		9	6	10	10	6	6	6	AF	C	
E235L		Must show short on E-H.									
E810F		9	6	11	10	3	7	7	AFG	D	
EAF801		Must show short on E-H.									
EAM86		9	6	15	33	6	7	7	AG	D	
E182CC		6	7	45	32	5	6	6	A	C	
"		Must show short on H-J.									
"		Tri-1	7	6	5	5	1	6	HJ	C	
"		Tri-2	7	6	5	5	3	6	AE	C	
"		4	6	5	5	3	1	6	BD	A	
"		9	6	15	47	10	6	6	EG	C	
"		Must show short on B-E-G-H.									
"		Di	1	6	0	32	10	6	F	C	
"		Pen	9	6	10	35	8	6	EH	C	
"		Tri	6	6	12	17	1	6	H	C	
"		Eye	6	6	0	0	12	6	AE		
"		See instructions for eye test.									
E182CC		Tri-1	1	6	27	5	1	4	G	•	
"		Tri-2	9	6	27	5	1	4	H		
"		•Fil Cont-Depress C-D; then both C-D.									

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
EBF80		Pen	9	6	17	34	8	7	EH	D	
"		Di-1	9	6	0	31	10	7	A		
"		Di-2	9	6	0	29	10	7	F		
EC81		8	6	11	13	1	6	6	F	C	
EC91		7	6	0	42	10	7	7	AF	D	
EC95		Must show short on A-B-E-F.									
"		2	6	17	10	6	7	7	EF	D	
EC900		Must show short on A-J. Cathode test-Depress A-J together.									
ECC189		1	6	14	10	9	7	7	E	D	
ECC801S		Must show short on B-J.									
"		Tri-1	1	6	12	10	11	7	E	D	
ECC802S		Tri-2	9	6	14	10	11	7	H		
ECC808		Tri-1	1	6	29	10	2	3	E	•	
ECF83		Tri-2	9	6	29	10	2	3	H		
ECF200		•Fil Cont-Depress C-D; then both C-D together.									
"		Tri-1	1	6	27	10	2	3	E		
"		Tri-2	9	6	27	10	2	3	H		
ECF201		Tri-1	7	6	19	30	2	6	A	C	
"		Tri-2	8	6	19	27	1	6	B	D	
ECF801		Tri	9	6	16	16	1	7	B	D	
ECF802		Pen	7	6	20	10	2	7	AE		
ECF805		Grid cap goes to adapter stud.									
ECH84		Tri	2	6	0	43	10	6	G	E	
ECH200		Pen	2	6	5	38	6	6	AF		
"		Grid cap goes to adapter stud.									
"		Tri	2	6	0	43	10	6	G	E	
"		Pen	2	6	5	42	6	6	AF	C	
"		Tri	7	6	7	8	1	6	F	C	
"		Pen	9	6	10	37	1	6	AE		
"		Must show short on B-H.									
"		Tri	7	6	15	21	1	6	H	C	
"		Pen	9	6	7	38	2	6	BE	C	
"		Tri	7	6	15	9	1	6	H	C	
"		Pen	1	6	5	40	9	6	BJ		
"		Must show short on E-F.									
"		Tri	7	6	9	27	1	6	F	C	
"		Hep	9	6	15	35	7	6	EH		
"		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Tri	2	6	0	43	10	6	F	E	
"		Hep	2	6	28	45	10	6	AC	D	
"		Tri	9	6	28	10	1	7	H	D	
"		Pen	7	6	7	13	1	7	AE		
"		2	6	31	12	1	6	6	GH	C	
"		2	6	31	10	1	6	6	BG		
"		6	6	31	10	1	6	6	FG		

KEY AT	TUBE	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
	ED500*		5	6	0	48	10	6	F	C
	"		Cap goes to top of tube. Must show short on A-B-E-G-H-J. *Must use magnoval adapter.							
	EF22		5	6	5	40	3	1	BC	J
	EF37A		1	6	45	48	10	9	BG	C
	EF86		7	6	17	32	8	6	EH	
	EF95		Must show short on A-J.							
	EF804		1	6	14	28	6	6	EF	C
	EF804S		7	6	5	46	6	6	AF	C
	EF806S		7	6	17	32	8	6	EH	C
	EFL200		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
	"		Pen-1	6	7	10	2	6	G	E
	"		Pen-2	8	6	15	26	6	BC	
	EH900S		Amp	6	6	37	43	9	EJ	
	"		Osc	1	6	31	6	1	F	D
	EK11		Tri	8	8	28	10	1	J	
	"		Pen	6	8	10	10	1	FG	B
	EL13		1	6	15	9	1	2	DE	
	EL36		4	6	3	9	11	1	CGH	
	EL81		May show short on B-C-F-H.							
	"		1	6	0	44	10	6	J	C
	EL82		Must show short on A-E-F-G-H.							
	EL83		9	6	3	15	11	7	AG	D
	EL500*		9	6	10	20	8	6	AH	C
	"		7	6	0	26	10	6	EA	C
	"		Must show short on A-B-E-F-H-J. Cathode short test-Depress B-F together. OK above 1/3 scale. Cap goes to top of tube.							
	EL503*		1	6	0	42	10	6	AB	C
	"		*Must use magnoval adapter.							
	EL504*		Must show short on A-B-E-F-H-J.							
	"		7	6	0	26	10	6	EA	C
	"		Must show short on A-B-E-F-H-J. OK above 1/3 scale. Cap goes to top of tube.							
	"		*Must use magnoval adapter.							
	EL802		9	6	5	10	8	7	AEF	D
	"		Must show short on B-E-F-G.							
	EL821		9	6	20	19	6	7	AF	D
	ELL80		Pen-1	9	6	10	22	8	BH	C
	"		Pen-2	5	6	10	22	7	FG	C
	EN32		6	6	9	8	9	9	BDE	H
	EQ80		1	6	20	45	8	6	HJ	C
	"		Must show short on B-F.							
	EY80		2	6	0	7	3	7	G	D
	EY82		2	6	0	7	3	7	G	D

KEY AT	TUBE	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
	EY87		CAUTION: Pins 2,3,4,6,7,8 and 9 must be open circuited before inserting tube into socket.							
	"		1	6	0	16	12	2	G	D
	EY500*		1	6	0	43	10	6	AFJ	C
	"		Must show short on A-F-J. Cap goes to top of tube. *Must use magnoval adapter.							
	GZ32		Pl-1	7	5	0	2	11	C	F
	"		Pl-2	7	5	0	2	11	E	C
	HBC91		Tri	1	8	12	31	1	J	C
	"		Di-1	1	8	0	35	10	F	C
	"		Di-2	1	8	0	35	10	E	C
	HCC85		Tri-1	1	12	20	12	4	E	C
	"		Tri-2	9	12	21	12	4	H	C
	HCH81		Tri	7	8	12	14	8	F	C
	"		Hep	9	8	10	17	8	AEH	C
	HL94		6	10	30	30	1	6	J	C
	"		Must show short on B-E.							
	KT88		4	6	10	13	3	1	BC	D
	LC900		1	4	14	10	9	7	E	D
	"		Must show short on B-J. Cathode short test-Depress B-J together.							
	LCF80		Tri	7	6	13	10	6	H	D
	"		Pen	9	6	13	20	2	BE	
	LCF200		Grid cap goes to adapter stud.							
	"		Tri	2	6	0	43	10	G	E
	"		Pen	2	6	5	37	6	AF	E
	LCF201		Grid cap goes to adapter stud.							
	"		Tri	2	6	0	43	10	G	E
	"		Pen	2	6	5	37	6	AF	E
	LCF801		Tri	7	6	7	8	1	F	C
	"		Pen	9	6	10	37	1	AE	
	"		Must show short on B-H.							
	LCF802		Tri	7	6	14	17	1	H	C
	"		Pen	9	6	7	35	2	BE	
	LCH200		If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.							
	"		Tri	2	5	0	43	10	F	E
	"		Hep	2	5	28	45	10	AC	C
	"		Tri	9	5	15	19	1	H	C
	LCL80		Pen	7	5	10	24	6	EF	D
	"		Tri	8	8	32	8	1	J	D
	"		Pen	6	8	11	8	1	EG	D
	LCL84		Tri	9	7	28	10	1	H	D
	"		Pen	7	7	7	13	1	AE	D
	LCL85		9	5	10	10	11	7	AF	D
	LF183		Must show short on B-H. Cathode short test-Depress B-H together.							
	"		9	5	13	10	11	7	AF	D
	LF184		Must show short on B-H. Cathode short test-Depress B-H together.							
	"		9	5	13	10	11	7	AF	D

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	CONT
LFL200										
"										
"										
"										
LL86										
LL500*										
"										
"										
LL521*										
"										
LL802										
M8096										
"										
"										
N22LL*										
"										
"										
"										
PC95										
"										
PC900										
"										
PCC85										
"										
PCC88										
"										
PCC189										
"										
PCF86										
"										
"										
PCF200										
"										
PCF201										
"										
PCF801										
"										

If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.

Pen-1 6 6 7 10 2 6 G
Pen-2 8 6 15 26 2 6 BC
Pen-2 9 7 0 7 9 6 AEFG C

May show short on A-E-F-G-H-J.
7 8 0 26 10 6 AE C

Must show short on A-B-E-F-H-J. Cathode short test-Depress B-F together. OK above 1/3 scale. Cap goes to top of tube.
*Must use magnoval adapter.
5 9 0 44 10 6 FH C

Cap goes to top of tube. Must show short on A-B-E-F-H. *Must use magnoval adapter.
9 7 5 10 8 7 AEF D

May show short on B-E-F-G.
6 6 9 15 5 6 EH C

Pin #9 must be open circuited to test this tube. If using Precision G-109 adapter, simply leave off grid cap connection to side stud of adapter.
With G-109 adapter grid cap goes to G-109 stud.
6 9 0 7 5 6 EG C

Must show short on A-H. *Must use magnoval adapter.
2 4 10 14 1 6 E C

Must show short on A-J.
1 4 14 10 9 7 E D

Must show short on B-J.
Tri-1 1 7 25 11 1 7 E D
Tri-2 9 7 25 11 9 7 H C
Tri-1 1 6 5 10 1 6 E C
Tri-2 9 6 5 10 9 6 H D
Tri-1 9 7 12 10 11 7 H D
Tri-2 1 7 14 10 11 7 E D
Tri 5 7 7 10 2 7 A
Pen 9 7 10 10 2 7 FG

May show short on B-H. Cathode short test-Depress B-H together.
Grid cap goes to adapter stud.
Tri 2 7 0 43 10 6 G E
Pen 2 7 5 38 6 6 AF

Grid cap goes to adapter stud.
Tri 2 7 0 43 10 6 G E
Pen 2 7 5 37 6 6 AF
Tri 7 7 8 1 6 F C
Pen 9 7 10 37 1 6 AE

Must show short on B-H.

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
PCF802										
"										
PCF805										
"										
PCH200										
"										
"										
PCL82										
"										
PCL84										
"										
PCL85										
"										
PCL86										
"										
PD500*										
"										
PF86										
"										
PFL200										
"										
"										
"										
PL81										
"										
PL82										
PL83										
PL84										
"										
PL500*										
"										
"										
PL504*										
"										
"										
PL521*										
"										
PY500*										
"										

Tri 7 7 15 21 1 6 H C
Pen 9 7 7 38 2 6 BE
Tri 7 7 15 9 1 6 H C
Pen 1 7 5 40 9 6 BJ

Must show short on E-F.
If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.
Tri 2 7 0 43 10 6 F E
Hep 2 7 28 45 10 6 AC
Tri 8 8 30 12 8 7 G D
Pen 2 8 22 17 1 7 AE
Tri 8 8 28 10 1 7 J D
Pen 6 8 10 10 1 7 EG
Tri 9 8 28 10 1 7 H D
Pen 7 8 7 13 1 7 AE
Tri 8 8 35 10 2 7 G D
Pen 6 8 15 21 2 7 BE
5 7 0 48 10 6 F C

Must show short on A-B-E-G-H-J. Cap goes to top of tube. *Must use magnoval adapter.
7 5 5 45 8 6 EH C

Must show short on A-J.
If panel has 9 pin socket do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.
Pen-1 6 8 7 10 2 6 G E
Pen-2 8 8 15 26 2 6 BC
9 9 7 8 1 6 AF C

Must show short on A-E-F-G-H.
9 8 15 18 7 6 AG C
9 8 21 10 1 7 AEH D
9 8 0 8 1 7 AEEFG D

May show short on A-E-F-G-H-J.
7 9 0 26 10 6 EA C

Must show short on A-B-E-F-H-J. Cathode short test-Depress B-F together. OK above 1/3 scale. Cap goes to top of tube.
*Must use magnoval adapter.
7 9 0 26 10 6 EA C

Must show short on A-B-E-F-H-J. Good tube reads above 1/3 scale. Cap goes to top of tube. *Must use magnoval adapter.
5 10 0 44 10 6 FH C

Must show short on A-B-E-F-H-J. Cap goes to top of tube. *Must use magnoval adapter.
1 10 0 45 10 6 AFJ C

Must show short on A-F-J. Cap goes to top of tube. *Must use magnoval adapter.

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
UBF89		Pent	9	12	11	35	8	7	EH	D	
"		+Di-1	9	12	0	27	10	7	A		
"		+Di-2	9	12	0	27	10	7	F		
		+Read on Diode scale.									
UCC85		Tri-1	1	9	25	11	1	7	E	D	
		Tri-2	9	9	25	11	9	7	H		
UCL82		Tri	8	11	30	10	1	7	G	D	
		Pen	2	11	2	9	5	7	AE		
UF89		Pen	9	8	15	37	6	7	AF	D	
		Must show short on E-H.									
XC95			2	3	17	10	6	7	EF	D	
		Must show short on A-J.									
XC900			1	2	27	13	11	7	E	D	
		Must show short on B-J. Cathode short test-									
		Depress B-J together.									
XCC189		Tri-1	1	5	12	10	11	7	E	D	
		Tri-2	9	5	14	10	11	7	H		
XCF80		Tri	7	5	13	10	6	7	H	D	
		Pen	9	5	13	20	2	7	BE		
XCF801		Tri	7	4	7	8	1	6	F	C	
		Pen	9	4	10	37	1	6	AE		
		Must show short on B-H.									
XCL82		Tri	8	7	32	10	2	7	G	D	
		Pen	2	7	25	17	1	7	AE		
XCL84		Tri	8	7	32	8	1	7	J	D	
		Pen	6	7	22	8	1	7	EG		
XCL85		Tri	9	7	28	10	1	7	H	D	
		Pen	7	7	7	13	1	7	AE		
XF86			7	3	5	45	8	6	EH	C	
		May show short on A-J.									
XL36			4	8	3	9	11	1	CGH		
		Must show short on B-C-F-H.									
XL84			7	7	45	32	5	6	A	C	
		Must show short on H-J.									
XL86			9	7	0	7	9	6	AEFG	C	
		May show short on A-E-F-G-H-J.									
XL500*			7	8	0	26	10	6	EA	C	
		Must show short on A-B-F-H-J. Cathode short test-Depress B-F together. OK above 1/3 scale. Cap goes to top of tube.									
"		*Must use magnoval adapter.									
XL504*			7	8	0	26	10	6	EA	C	
		Must show short on A-B-E-F-H-J. Good tube reads above 1/3 scale. Cap goes to top of tube. *Must use magnoval adapter.									
YC98			2	9	0	19	8	7	GH	D	
		Must show short on B-E.									
YL1370			4	6	5	7	1	1	BG		
		Must show short on C-E-H. Cathode short test Depress C-E-H together.									
YL1371			4	8	5	7	1	1	BG	A	
		Must show short on C-E-H. Cathode short test Depress C-E-H together.									

COLETRONICS SERVICE INC.
1744 Rockaway Ave.
Hewlett, L.I., N.Y. 11557

NEW TUBE RELEASES
for use with
DRC 1176 DATA BOOK

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
1F1			4	1	15	43	3	1	BC	*	
1F2			*Depress A-E - Then A-E together							BC	*
1F3			Must show short on E								
			*Depress A-E - Then A-E together							BC	*
1FD1			*Depress A-E - Then A-E together							DE	
"			pen** 6 1 19 42 11 1							C	
			diode 2 1 0 37 10 1								
1FD9			**Pentode section OK above 1/3 scale								
"			diode 7 1 0 35 10 9							C	J
1P1			pen 6 1 25 35 4 9							DE	
1P10			pen 6 1 22 22 3 5							BC	*
			*Depress A-J - Then A-J together							BDF	*
			3 1 20 25 4 5								
1P11			*Depress A-J - Then A-J together							BC	*
4BF5			Must show short on B-F								
			6 1 22 22 3 5								
6AK7			*Depress A-J - Then A-J together							EF	C
6AT7N			1 4 0 12 6 6								
			Must show short on A-J							EF	
6CH40			3 6 12 25 5 1							E	D
"			tri-1 1 6 27 12 7 7							H	
			tri-2 9 6 27 12 7 7								
6F10			*Amp 1 6 6 11 32 8 6							EH	C
7CL8			Osc 9 6 6 26 10 7 6							H	
7DZ7			Tri 7 6 6 25 13 7 6							F	
7SC7			*Amp OK above 1/3 scale								
8FE5			3 6 6 4 34 5 1							EF	C
8FY7			tri 8 6 6 31 7 1 6							J	
"			tet 7 6 6 16 28 1 6							AE	
"			pen-1 4 6 6 22 17 3 1							CE	
"			pen-2 8 6 6 22 17 3 1							BC	
"			tri-1 3 7 7 19 27 1 4							D	
"			tri-2 2 7 7 19 27 1 4							J	
"			4 7 7 5 10 3 1							BC	
"			If panel has 9 pin socket do not use grid cap.								
"			With G-109 adapter cap goes to G-109 stud.								
"	5		tri-1 9 6 36 10 1 7							B	E
"	2		tri-2 4 6 0 5 2 8							A	

OVER

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
8MV8		tri	9	7	16	20	1	6	B	C	
"		pen	1	7	14	22	11	6	FG		
9GV7		tri	7	7	15	9	1	6	H	C	
"		pen	1	7	5	40	9	6	BJ		
9MD8		Must show short on E-F									
"		tri-1	5	7	9	14	1	6	B	C	
"		tri-2	6	7	9	14	1	6	J		
"		tri-3	7	7	9	14	1	6	H		
12CA4			5	10	0	2	11	6	H	C	
"			5	10	0	2	11	6	A		
12ML8		tri-1	5	10	15	15	1	6	B	C	
"		tri-2	6	10	15	15	1	6	J		
"		tri-3	7	10	15	15	1	6	H		
25KA6		If panel has 9 pin socket, do not use grid cap. With G-109 adapter grid cap goes to G-109 stud.									
"		Must show short on F-J									
"	4		5	9	0	43	10	8	G	D	
7189			9	6	0	23	7	6	AG	C	
7199		May show short on E-F-H-J									
"		tri	7	6	18	11	2	7	H	D	
"		pen	1	6	12	33	2	7	BJ		
<u>CORRECTIONS</u>											
11BM8		tri	8	8	32	11	8	7	G	D	
"		pen	2	8	23	17	1	7	AE		

11-15-76

COLETRONICS SERVICE INC.
1744 Rockaway Ave.
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NEW TUBE RELEASES
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DRC 1176 DATA BOOK

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
1F1			4	1	15	43	3	1	BC	*
1F2			*Depress A-E - Then A-E together							
			6	1	17	37	3	1	BC	*
1F3			Must show short on E							
			*Depress A-E - Then A-E together							
			6	1	22	37	3	1	BC	*
1FD1			*Depress A-E - Then A-E together							
"			pen 1	6	1	19	42	11	DE	
			diode	2	1	0	37	10	C	
1FD9			**Pentode section OK above 1/3 scale							
"			diode	7	1	0	35	10	C	J
1P1			pen	6	1	25	35	4	DE	
				6	1	22	22	3	BC	*
1P10			*Depress A-J - Then A-J together							
			3	1	20	25	4	5	BDF	*
1P11			*Depress A-J - Then A-J together							
			Must show short on B-F							
			*Depress A-J - Then A-J together							
4BF5			6	1	22	22	3	5	BC	*
			1	4	0	12	6	6	EF	C
6AK7			Must show short on A-J							
6AT7N			3	6	12	25	5	1	EF	
"			tri-1	1	6	27	12	7	E	D
			tri-2	9	6	27	12	7	H	
6CH40			*Amp	1	6	11	32	8	EH	C
"			Osc	9	6	26	10	7	H	
"			Tri	7	6	25	13	6	F	
6F10			*Amp OK above 1/3 scale							
6T1			3	6	4	34	5	1	EF	
			7	6	0	11	1	6	AJ	C
6Z4			Must show short on A,B,F,J							
"			2	6	0	3	11	6	A	C
7CL8			2	6	0	3	11	6	F	
7D11			tri	8	6	31	7	6	J	C
7DZ7			tet	7	6	16	28	6	AE	
			pen-1	4	6	5	15	1	BC	
			pen-2	4	6	22	17	3	CE	
7SC7			tri-1	8	6	22	17	3	BC	
"			tri-2	3	7	19	27	1	D	
				2	7	19	27	1	J	

OVER

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT	
8FE5			4	7	5	10	3	1	BC		
8FY7			If panel has 9 pin socket do not use grid cap								
"	5	tri-1	9	6	36	10	1	7	B	E	
"	2	tri-2	4	6	0	5	2	8	A		
8MV8		tri	9	7	16	20	1	6	B	C	
"		pen	1	7	14	22	11	6	FG		
9GV7		tri	7	7	15	9	1	6	H	C	
"		pen	1	7	5	40	9	6	BJ		
9MD8		Must show short on E-F									
"		tri-1	5	7	9	14	1	6	B	C	
"		tri-2	6	7	9	14	1	6	J		
12CA4		tri-3	7	7	9	14	1	6	H		
"			5	10	0	2	11	6	H	C	
12ML8			5	10	0	2	11	6	A		
"		tri-1	5	10	15	15	1	6	B	C	
"		tri-2	6	10	15	15	1	6	J		
"		tri-3	7	10	15	15	1	6	H		
16A			1	6	18	22	9	7	EJ	D	
25KA6		If panel has 9 pin socket do not use grid cap									
"	4	With G-109 adapter grid cap goes to G-109 stud									
40SUA		Must show short on F-J									
163PEN			5	9	0	43	10	8	G	D	
7189			7	2	18	45	3	1	BC		
7199			9	8	15	18	7	6	AG	C	
"			9	6	0	23	7	6	AG	C	
		May show short on E, F, H, J									
		tri	7	6	18	11	2	7	H	D	
		pen	1	6	12	33	2	7	BJ		
		<u>FOREIGN</u>									
A1834		tri-1	3	6	15	4	1	4	D		
"		tri-2	8	6	15	4	1	4	J		
AA91E		di-1	7	6	0	25	10	6	J		
"		di-2	7	6	0	25	10	6	B		
ABC-91			4	8	13	16	3	1	BC		
		<u>CORRECTIONS</u>									
2AS2)		Remove from book - Due to multiple internal									
2BU2)		connections these tubes cannot be tested.									
11BM8		tri	8	8	32	11	8	7	G	D	
"		pen	2	8	23	17	1	7	AE		

NEW TUBE RELEASES
for use with
DRC 1176 DATA BOOK

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT				
1F1		4	1	15	43	3	1		BC	*				
1F2		*Depress A-E - Then A-E together		6	1	17	37	3	1	BC	*			
1F3		Must show short on E		*Depress A-E - Then A-E together		6	1	22	37	3	1	BC	*	
1FD1		*Depress A-E - Then A-E together		pen 1	6	1	19	42	11	1		DE		
1FD9		diode	2	1	0	37	10	1				C		
1P1		**Pentode section OK above 1/3 scale		diode	7	1	0	35	10	9		C	J	
1P10		pen	6	1	25	35	4	9				DE		
1P11		6	1	22	22	3	5					BC	*	
4BF5		*Depress A-J - Then A-J together		3	1	20	25	4	5			BDF	*	
6AK7		*Depress A-J - Then A-J together		Must show short on B-F		6	1	22	22	3	5	BC	*	
6AT7N		1	4	0	12	6						EF	C	
6CH40		Must show short on A-J		3	6	12	25	5				EF	D	
"		tri-1	1	6	27	12	7	7				E	H	
"		tri-2	9	6	27	12	7	7				H	H	
6F10		*Amp	1	6	11	32	8	6				EH	C	
6T1		Osc	9	6	26	10	7	6				H	F	
7CL8		Tri	7	6	25	13	7	6				F		
7D11		*Amp OK above 1/3 scale		3	6	4	34	5				EF	C	
7DZ7		7	6	0	11	1	1	6				AJ	C	
7SC7		Must show short on A,B,F,J		2	6	0	3	11	6			A	C	
8FE5		2	6	0	3	3	11	6				F	C	
8FY7		2	6	0	3	3	11	6				J	C	
"		tri	8	6	31	7	1	6				AE		
"		tet	7	6	16	28	1	6				BC		
"		pen-1	4	6	5	15	3	1				CE		
"		pen-2	4	6	22	17	3	1				BC		
"		tri-1	3	7	19	27	1	4				D		
"		tri-2	2	7	19	27	1	4				J		
"		4	7	5	10	3	1	1				BC		
"		If panel has 9 pin socket do not use grid cap		With G-109 adapter cap goes to G-109 stud		tri-1	9	6	36	10	1	7	B	E
"		tri-2	4	6	0	5	2	8				A		

OVER

TUBE	KEY AT	SECT	A	B	C	D	E	F	DEPRESS	FIL CONT
8MV8		tri	9	7	16	20	1	6	B	C
"		pen	1	7	14	22	11	6	FG	C
9GV7		tri	7	7	15	9	1	6	H	C
"		pen	1	7	5	40	9	6	BJ	
9MD8		tri-1	5	7	9	14	1	6	B	C
"		tri-2	6	7	9	14	1	6	J	
"		tri-3	7	7	9	14	1	6	H	
12CA4			5	10	0	2	11	6	H	C
"			5	10	0	2	11	6	A	
12ML8		tri-1	5	10	15	15	1	6	B	C
"		tri-2	6	10	15	15	1	6	J	
"		tri-3	7	10	15	15	1	6	H	
16A			1	6	18	22	9	7	EJ	D
25KA6										
"	4									
36LW6			5	9	0	43	10	8	G	D
40SUA			5	10	20	6	1	4	BG	
163PEN			7	2	18	45	3	1	BC	C
7189			9	8	15	18	7	6	AG	C
7199			9	6	0	23	7	6	AG	C
A1834										
AA91E										
ABC-91										
E-82CC										
E-83CC										
E90Z										
E-902										
EL-32										
EL-504*										
EL-508										

Must show short on A,B,E,F,H,J. Cathode short test - Depress B-F together. OK above 1/3 scale. Cap goes to top of tube.

* Must use magnoval adapter.

4 6 3 10 11 1 CG A

CORRECTIONS

Remove from book - Due to multiple internal connections these tubes cannot be tested.

2AS2) tri 8 8 32 11 8 7 G D

11BM8 pen 2 8 23 17 1 7 AE