

INSTRUCTIONS FOR MODEL 600 TUBE TESTER

1. Look up tube type in chart and set Heater Switch and set "A", "B" and "C" Switches.
2. Insert tube in proper socket or use adaptor indicated. Allow tube to warm up. Observe SHORTS lamp for Short indication.
3. Depress Grid Emission button. Observe meter. If meter deflects into "Grid Emission - Reject" area, tube is defective.
4. Press Quality Button. Read Quality on meter on "Good - ? - Bad" scale.
5. Rotate "C" Switch through each of its positions to check for all other Shorts. Observe SHORTS lamp for indication.

The tube chart refers to two adapters that can be used with the Model 600. These are as follows:

TC-63—Used to test type 3DG4 tube . . . \$1.95	} Testing Facilities Included Between Serial No. 152001 and 153000 or Above Serial No. 213,000
TC-62—Set of two adapters used to test tubes with Novar basing . . . 3.95	
TC-70 and TC-75—Used to test Hi-Voltage Color Tubes . . . \$1.95 each	

These adapters are available through your local electronic distributor.

Note: Do Not Push Magnovar Tubes Into the Socket All the Way

TYPE TUBE	Heater	A	B	C	Socket	TYPE TUBE	Heater	A	B	C	Socket	TYPE TUBE	Heater	A	B	C	Socket	TYPE TUBE	Heater	A	B	C	Socket
3ER5	3	33	1	2	1	3HK5	3	27	2	1	1	4AB8	4	37	6	9	2	4BU8	4	33	6	7	2
3ES5	3	33	1	2	1	3HM5	3	27	2	1	1	4BX6	4	44	6	2	2	4BX8	4	33	1	2	2
3EV5	3	33	2	1	1	3HM6	3	24	3	2	2	4AU6	4	33	6	1	1	4BZ6	4	33	6	7	2
3FH5	3	33	1	2	1	3HQ5	3	29	2	1	1	4AU8	4	31	6	7	2	4BZ7	4	31	6	1	1
3FQ5	3	33	1	2	1	3HS8	3	30	6	7	2	4AV6	4	40	6	1	1	4BZ8	4	32	6	2	2
3FQ5A	3	31	1	2	1	3HT6	3	28	3	2	2	4BA6	4	78	6	5	1	4CB6	4	32	6	7	2
3FS5	3	27	2	1	1	3JC6	3	26	3	2	2	4BC5	4	78	6	6	1	4CE5	4	30	6	2	2
3FY5	3	33	1	2	1	3JC6A	3	26	3	2	2	4BC8	4	33	6	2	2	4CM4	4	35	2	1	1
3GK5	3	25	1	2	1	3JD6	3	26	1	2	2	4BE6	4	35	6	1	1	4CS6	4	29	3	6	7
3GK6	3	33	3	2	2	3KF8	3	38	6	7	2	4BL8	4	35	6	1	1	4CY5	4	35	6	1	1
3GS8	3	33	6	7	2	3KT6	3	25	1	2	2	4BN4	4	34	6	9	2	4DE6	4	35	2	1	1
3GU5	3	27	2	1	1	3L35	3	*36	5	4	6	4BN6	4	33	6	2	2	4DL4	4	33	6	1	1
3GW5	3	25	2	6	1	*Normally shows short position 2-6.					4BQ7	4	32	6	2	2	*Normally shows short position 1-6.						
3GY5	3	*25	5	9	9	3LF4	3	43	8	6	4	4BS8	4	32	6	2	2	*Normally shows short position 1-3-7-9.					
*Normally shows short position 1-3-4-7-10.					3M-P26	3	40	6	1	1	*Normally shows short position 2-6.					4EH7	4	30	3	2	2		
3HA5	3	27	2	1	1	3Q4	3	*42	5	3	6	*Normally shows short position 1-6.					4EJ7	4	29	3	2	2	
3HE7	3	25	11	9	9	3Q5	3	45	9	5	3	*Normally shows short position 2-6.					*Normally shows short position 1-3-7-9.						
3HF5	3	*25	10	5	9	3S4	3	*48	5	3	6	*Normally shows short position 2-6.					4DK6	4	33	6	1	1	
*Normally shows short position 1-3-4-6-8-10.					3V4	3	45	5	6	6	*Normally shows short position 2-6.					4DT6	4	33	6	1	1		

*Normal Shorts refer to position of "C" Switch. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)
 † Do not connect Plate Cap to Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.



TYPE TUBE	Heater	A	B	C	Socket	TYPE TUBE	Heater	A	B	C	Socket	TYPE TUBE	Heater	A	B	C	Socket	TYPE TUBE	Heater	A	B	C	Socket
4ER5	4	33	1	2	1	4HG8	4	24	3	2	2	4KT6	4	25	1	2	2	5AN8	5	32	6	8	2
4ES8	4	30	6	2	2	*Normally shows short position 7-10.					4LJ8	4	*95	3	2	2	5AQ5	5	32	6	2	2	
4EW6	4	30	6	7	2	4HK5	4	25	1	6	2	*For grid emission turn C switch position 1.					5AR4	5	35	1	7	1	
4GJ7	4	29	6	1	1	4HM5	4	27	2	1	1	**For grid emission turn C switch position 9.					5AS4	5	*30	6	4	3	
4GK5	4	26	3	9	2	4HM6	4	27	2	1	1	4MK8	4	34	6	7	2	5AS8	5	*30	6	6	3
4GM6	4	25	1	2	1	4HQ5	4	24	3	2	2	4M-P12	4	34	6	1	1	*Normally shows short position 8-11.					
4GS7	4	30	9	9	2	4HR8	4	29	2	1	1	4M-P26	4	40	6	1	1	5AT8	5	*38	6	4	3
4GS8	4	30	9	1	2	4HS8	4	35	2	9	2	4R-HH2	4	27	6	2	2	*Normally shows short position 8-11.					
4GW5	4	33	6	7	2	4HT6	4	30	6	7	2	4R-HH8	4	27	6	7	2	5AU4	5	31	6	2	2
4GX6	4	25	2	6	1	4JC6	4	28	3	2	2	5AF4	5	90	6	6	2	5AV8	5	32	6	6	2
4GX7	4	25	6	1	1	4JC6A	4	26	3	2	2	*Normally shows short position 1-7.					*Normally shows short position 8-11.						
4GZ5	4	26	3	9	2	4JD6	4	26	1	2	2	5AF11	5	31	6	1	9	5AV8	5	*43	6	4	3
4HA5	4	26	3	9	2	4JH6	4	25	6	1	1	5AM8	5	31	6	6	9	*Normally shows short position 8-11.					
4HA7	4	26	3	9	2	4JK6	4	26	6	1	1	*Normally shows short position 1-7.					40	6	2	2			
4HC7	4	26	3	9	2	4JL6	4	26	6	1	1	30	6	8	2	*Normally shows short position 8-11.							
4K5	4	35	5	9	9	4KE8	4	26	6	2	2	*Normally shows short position 1-7.					*Normally shows short position 8-11.						
4K6	4	35	5	1	9	4KF8	4	26	6	9	2	*Normally shows short position 1-7.					*Normally shows short position 8-11.						
4K7	4	*35	5	9	9	4KN8	4	33	6	7	2	*Normally shows short position 1-7.					*Normally shows short position 8-11.						
4K8	4	*35	5	9	9	4KN8	4	86	6	1	2	*Normally shows short position 1-7.					*Normally shows short position 8-11.						
4K9	4	*35	5	9	9	4KN8	4	90	6	6	2	*Normally shows short position 1-7.					*Normally shows short position 8-11.						

3ER5-5AV8
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 † Do not connect Plate Cap to Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket		
5AW4	5	*42	6	4	3	5BR8	5	32	6	9	2	5CR8	5	*32	6	2	2	5EU8	5	32	6	7	2		
		*42	6	6	3			31	6	1	2			*34	6	9	2			32	6	2	2		
		*Normally shows short position 8-11.					5BS8	5	32	6	2	2	5CU4	5	*33	6	4	3	5EW6	5	29	6	1	1	
5AZ4	5	*53	6	4	4	5BT8	5	33	6	8	2			*33	6	6	3	5FG7	5	27	3	9	2		
		*Normally shows short position 2-11.							57	6	1	2			*Normally shows short position 8-11.					5FV8	5	30	6	9	2
5B8	5	*32	6	6	2	5BW8	5	33	2	6	2	5CZ5	5	42	3	6	2	5GH8	5	31	6	1	2		
		*34	6	2	2			34	8	1	2	5DB4	5	*40	6	4	3			31	6	2	2		
		*Normally shows short position 1.					5BZ7	5	32	6	2	2			*40	6	6	3	5GH8A	5	31	6	2	2	
5BC3	5	35	6	4	3			32	6	7	2			*Normally shows short position 8-11.					5GJ7	5	31	6	9	2	
		35	6	6	3	5CG8	5	30	3	9	2	5DH8	5	*30	6	9	2			24	3	2	2		
5BE8	5	*33	6	9	2			32	3	1	2			*32	6	1	2	5GM6	5	30	6	1	1		
		*33	6	1	2	5CL8	5	32	6	9	2			*Normally shows short position 3.					5GS7	5	30	9	9	2	
		*Normally shows short position 3.							32	6	1	2	5EA8	5	30	6	2	2			30	9	1	2	
5BK7	5	32	6	2	2	5CM6	5	40	3	6	2	5EH8	5	31	1	7	2	5GX6	5	25	6	1	1		
		32	6	7	2	5CM8	5	33	6	2	2			31	1	7	2	5GX7	5	26	3	2	2		
5BQ5	5	33	1	2	2			38	6	9	2	5ES8	5	31	1	2	2			26	3	9	2		
5BQ7	5	32	6	2	2	5CQ8	5	33	6	2	2			30	6	2	2	5HA7	5	35	5	9	9		
		32	6	7	2			33	6	9	2			30	6	7	2			35	5	1	9		

*Normal Shorts refer to position of "C" Switch.
 † Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket			
5HB7	5	27	1	2	2	5LJ8	5	*95	3	2	2	5RDDH1	5	38	6	8	2	5V3	5	*38	6	4	3			
		27	1	9	2			**93	3	7	2			32	6	1	2			*38	6	6	3			
5HC7	5	*35	5	9	9			*For grid emission turn C switch Position 1.					5R-K16	5	41	6	8	2			*Normally shows short position 8-11.					
		*35	5	1	9			**For grid emission turn C switch Position 9.							41	6	1	2	5V4	5	*35	6	4	3		
		*Normally shows short position 7-10.					5MB8	5	27	6	9	2	5T4	5	*38	6	4	3			*35	6	6	3		
5HG8	5	24	3	2	2			30	6	1	2			*38	6	6	3			*Normally shows short position 8-11.						
		25	1	6	2	5MF8	5	35	7	7	9	5T8	5	43	6	8	2	5V6	5	41	6	5	3			
5HZ6	5	26	6	1	1			34	7	10	9			35	6	2	2	5W4	5	*52	6	4	3			
5J6	5	34	6	5	1	5M-HH3	5	27	6	5	1			35	6	1	2			*52	6	6	3			
		34	6	6	1			27	6	6	1	5U4	5	*40	6	4	3			*Normally shows short position 8-11.						
5JK6	5	26	6	1	1	5MK9	5	45	7	5	1			*40	6	6	3	5X4	5	47	6	3	8			
5JL6	5	26	6	1	1	5MQ8	5	30	6	2	2			*40	6	6	3			47	6	5	8			
5KD8	5	30	6	2	2	5N1039A	6	33	2	1	1	5U8	5	33	6	2	2	5X8	5	30	6	7	2			
		28	6	9	2	5R4	5	*45	6	4	3			33	6	9	2			32	6	2	2			
5KE8	5	26	6	2	2			*45	6	6	3			*Normally shows short position 8-11.					5Y3	5	*51	6	4	3		
		26	6	9	2			*Normally shows short position 8-11.							33	6	9	2			*51	6	6	3		
5KZ8	5	26	6	2	2			*Normally shows short position 8-11.							*Normally shows short position 8-11.							*Normally shows short position 8-11.				

5AW4-5Y3
 *Normal Shorts refer to position of "C" Switch.
 † Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
6CD3	6	*27	4	10	9	6CK6	6	30	6	2	2	6CQ4	6	32	6	5	8	6CW5	6	*30	1	2	2
*Some tubes may show short position 5-6-8-9.						6CL3	6	27	5	2	18	6CQ6	6	35	6	1	1	*May show short position 6-7-8-9.					
6CD6	6	33	6	5	3	6CL5	6	*35	4	5	3	6CQ8	6	33	6	2	2	6CW7	6	33	8	2	2
6CE3	6	27	4	10	9	*Normally shows short position 1-3-6-8.						6CR6	6	39	6	7	1	6CX8	6	33	6	7	2
6CE5	6	35	2	1	1	6CL6	6	*32	2	9	2	6CR8	6	72	6	2	1	6CY5	6	34	6	2	2
6CF6	6	33	6	1	1	*Normally shows short position 3-8.						6CS6	6	*32	6	2	2	6CY7	6	35	2	1	1
6CG3	6	26	4	10	9	6CL8	6	32	6	9	2	*Normally shows short position 8.						6CZ5	6	42	3	6	2
6CG7	6	45	6	2	2	6CM3	6	30	5	2	18	6CS7	6	34	6	3	2	6D2	6	33	6	2	1
6CG8	6	30	3	9	2	6CM4	6	29	3	6	7	6CT3	6	32	2	6	2	6D4	6	33	6	7	1
6CH3	6	26	5	2	18	6CM5	6	*32	4	5	3	6CU5	6	32	2	5	1	6D8	6	43	6	1	1
6CH5	6	28	6	2	2	*Normally Shows Short Position 3-8.						*It may show short pin 1-11.						6D10	6	45	6	5	3
6CH8	6	33	6	7	2	6CM6	6	40	3	6	2	6CU6	6	35	6	5	3	32 6 7 9					
36 6 8 2						6CM7	6	40	6	7	2	6CU8	6	32	1	7	2	32 6 9 9					
6CJ3	6	25	2	5	18	6CM8	6	33	6	2	2	6CW4	6	*87	6	2	5	6 33 6 5 8					
6CJ6	6	*32	8	2	2	38 6 9 2						*For Grid Emission Turn						6DA6	6	34	1	2	2
*Normally shows short position 1-6-9.						6CN6	6	29	6	5	3	C Switch Position 4.						6DB5	6	*38	3	6	2
6CK3	6	25	2	5	18	6CN7	6	44	10	7	2	33 10 1 2						*Normally shows short position 2-7.					
6CK4	6	34	1	3	3	33 10 2 2						6DB6						6	33	6	1	1	

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TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
6DC6	6	32	6	1	1	6DN7	6	36	6	1	8	6DT5	6	*38	3	6	2	6EA4*	6	85	7	4	9
6DC8	6	33	6	2	2	6DQ4	6	44	6	4	8	*Normally shows short position 7-11.						*Insert a 2.7K 1W 5% resistor from pin hole No. 4 to No. 6 of socket No. 4. Remove resistor after test is completed.					
72 6 7 2						6DQ5	6	*35	5	1	3	6DT6	6	33	6	1	1	*Normally shows short position 1-2-5-9.					
6DE4	6	34	6	5	8	*Normally shows short position 3-4-6-8.						6DT8	6	30	6	2	2	6EA5	6	33	2	1	1
6DE6	6	30	6	1	1	6DQ6	6	34	6	5	3	6DW4	6	29	5	2	8	6EA7	6	35	6	1	8
6DE7	6	33	2	3	2	6DQ6B	6	30	6	5	3	6DW5	6	33	3	6	2	39 6 4 8					
44 2 7 2						6DR7	6	32	2	3	2	6DX4	6	*69	1	7	1	6EA8	6	30	6	2	2
6DG6	6	32	6	5	3	6DR8	6	31	6	2	2	*Normally shows short position 2-6						6EB5	6	52	6	2	1
6DJ8	6	31	6	2	2	6DS4	6	*87	6	2	5	6DY4	6	25	6	1	2	52 6 7 1					
31 6 7 2						*For Grid Emission Turn						6DY5	6	*33	2	6	1	6EB8	6	33	6	7	2
6DK6	6	33	6	1	1	C Switch Position 4.						*Normally shows short position 1-7						34 6 2 2					
6DL4	6	*85	7	8	2	6DS5	6	33	1	7	1	6DZ4	6	*31	7	2	1	6EC4	6	**26	2	5	18
*Normally shows short position 1-3-7-9						6DS8	6	30	6	2	2	*Normally shows short position 1-7						**Use only TC-62B Adapter.					
6DL5	6	34	1	7	1	6DR4	6	51	1	6	1	6DZ7	6	40	6	1	3	6ED4					
6DM4	6	30	6	5	8	6DT14	6	27	6	5	8	6DZ8	6	40	6	5	3	6 **54 6 10 8					
6DN3	6	31	2	5	8	34 6 9 2						*Normally shows short position 1-2-3-5-6.											
6DN6	6	33	6	5	3	37 6 1 2																	

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6CD3-6ED4

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
6GY5	6 *25	5	9	9		6HC8	6 36	6	3	2		6HJ5	6 *26	3	1	9		6HT5	6 *56	2	6	9	
*Normally shows short position 1-3-4-7-10						6HD5	6 *27	3	1	9		*Normally shows short position 4-5-9-10						6HT6	6 28	3	2	2	
6GY6	6 27	6	1	1		*Normally shows short position 4-5-9-10						6HJ7	6 *82	1	7	2		6HU6	6 *55	2	1	2	
6GY8	6 *32	6	1	2		6HD7	6 30	1	2	2		*For grid emission turn C switch to position 2.						6HU8	6 29	6	2	2	
*32 6 3 2						6HE5	6 *32	10	2	9		6HJ8	6 29	6	2	2		6HV5	6 *32	2	1	9	
*94 6 6 2						*Normally shows short position 1-3-4-10						6HK5	6 27	2	1	1		*Must show short position 3-10.					
*Normally shows short position 11.						6HE7	6 25	11	9	9		6HL5	6 30	2	7	2		*May show short position 5-6-8-9.					
6GZ5	6 28	2	5	1		6HF5	6 *25	10	5	9		6HL8	6 32	9	2	2		6HW8	6 32	6	6	2	
6H6	6 48	1	3	3		*Normally shows short position 1-3-4-6-8-10						6HM5	6 27	2	1	1		6HZ6	6 26	6	1	1	
48 1 5 3						6HF8	6 24	6	7	2		6HM6	6 24	3	2	2		6HZ8	6 25	6	7	2	
6H31	6 35	6	1	1		6HG5	6 38	1	7	1		6HQ5	6 29	2	1	1		6J5	6 42	1	5	3	
6HA5	6 27	2	1	1		6HG8	6 24	3	2	2		6HR5	6 30	8	1	1		6J6	6 34	6	5	1	
6HA6	6 *27	3	2	2		*Normally shows short position 1-3-4-6-8-10						6HR6	6 24	6	1	1		6J7	6 50	1	10	3	
*Normally shows short position 6-8						6HJ5	6 25	1	6	2		6HS5	6 *26	2	1	9		6J9	6 26	6	2	2	
6HB5	6 *25	1	3	9		*Normally shows short position 1-3-4-6-8-10						6HS6	6 26	6	1	1		*Normally shows short position 3-10.					
*Normally shows short position 4-10						6HJ8	6 25	1	6	2		6HS8	6 30	6	7	2		6J10	6 26	6	7	2	
6HB6	6 *25	3	2	2		*Normally shows short position 1-3-4-6-8-10						*Normally shows short position 3-10.						6J11	6 28	6	1	9	
6HB7	6 27	1	2	2		*Normally shows short position 1-3-4-6-8-10						*Normally shows short position 3-10.						6JA8	6 26	6	5	9	
27 1 9 2						*Normally shows short position 1-3-4-6-8-10						*Normally shows short position 3-10.						6JB5	6 25	6	7	2	

* Normal Shorts refer to position of "C" Switch. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)
 † Do not connect Plate Cap to Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
6J11	6 28	6	1	9		6JE6	6 *29	5	1	18		6JQ6	6 *35	8	8	2		6JW8	6 29	6	2	2	
*Normally shows short position 2-4						6JE6B	6 *29	5	1	18		*May show short position 2-3.						6JX8	6 26	6	2	2	
6JA8	6 26	6	1	9		*Normally shows short position 2-4.						6JR6	6 34	2	7	8		6JY8	6 33	6	9	2	
*Normally shows short position 2-4.						6JEB	6 25	6	7	2		6JS6	6 *29	10	5	9		*Normally shows short position 1-3-4-10.					
Normally shows short position 1-3-4-10.						6JF6	6 *26	5	1	8		6JT6	6 27	2	5	18		6JZ6	6 30	6	2	2	
6JB5	6 *35	10	2	9		*Normally shows short position 2-4.						6JT6A	6 27	2	5	18		*Some tubes may show short position 1-9.					
6JB6	6 *29	5	1	18		6JG6	6 24	2	5	18		6JT8	6 25	2	7	2		6JZ8	6 29	7	7	9	
*Normally shows short position 2-4.						6JG6A	6 24	2	5	18		*Normally shows short position 8						6K5	6 40	7	10	9	
6JB6A	6 *29	5	1	18		6JH6	6 25	6	1	1		6JU6	6 27	5	1	18		6K6	6 41	6	5	3	
*Normally shows short position 2-4.						6JH8	6 32	6	6	2		6JU8	6 *42	2	1	2		6K7	6 52	1	10	3	
6JC6	6 26	3	2	2		6JK6	6 26	6	1	1		*Normally shows short position 8						6K8	6 35	1	5	3	
6JC6A	6 26	3	2	2		6JK8	6 30	6	2	2		**Normally shows short position 2						6K11	6 35	6	1	9	
6JC8	6 27	1	2	2		*Normally shows short position 8						6JU8A	6 *42	2	1	2		*Normally shows short position 8.					
27 1 8 2						6JL6	6 26	6	1	1		*Normally shows short position 2.						6KA8	6 35	6	7	9	
6JD6	6 26	1	2	2		6JL8	6 35	6	2	2		*Normally shows short position 2.						6KD6	6 35	6	9	9	
6JE6C	6 *29	5	1	18		*Normally shows short position 2-4.						6JM6	6 26	4	5	9		*Normally shows short position 1-3-4-10.					
*Normally shows short position 2-4.						6JN6	6 27	4	1	9		6JN8	6 26	6	9	2		*Normally shows short position 1-3-4-10.					
26 6 1 2						*Normally shows short position 1-3-4-10.						*Normally shows short position 1-3-4-10.											

* Normal Shorts refer to position of "C" Switch. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)
 † Do not connect Plate Cap to Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
6KD8	6	30	6	2	2	6KRBA	6	24	6	7	2	6KZ8	6	26	6	2	2	6LE8	6	35	6	1	2
6KE8	6	26	6	2	2	6KS6	6	26	6	2	2	6L5	6	53	6	5	3	6LF6	6	29	6	9	2
6KG6	6	*26	11	4	8	6KS8	6	*27	6	7	2	6L7	6	44	1	10	3	6LF8	6	*31	5	9	9
*Normally shows short position 1-2-5-6.						*It may show short position 1-6.						*Normally shows short position 1-3-4-7-10.											
6KF8	6	38	6	7	2	6KT6	6	25	1	2	2	6L12	6	32	6	2	2	6L6	6	87	6	5	3
6KLB	6	30	6	2	2	6KT8	6	28	6	7	2	6L41	6	33	9	9	2	6LJ6	6	87	6	5	3
6KM6	6	*27	5	1	8	6KU8	6	22	6	7	2	6L43	6	*32	2	9	2	6LJ8	6	*95	3	2	2
*Normally shows short position 2-4.						*Normally shows short position 3-8.						*May show short position 1-3-4-7-10.											
6KM8	6	31	6	7	2	6KV6	6	28	4	5	8	6LB6	6	*28	10	5	9	*For grid emission turn C switch position 1.					
6KN6	6	*28	10	5	9	6KV8	6	27	6	7	2	*Normally shows short position 1-3-4-10.											
*Normally shows short position 1-3-4-10.						6KW6	6	28	11	4	18	6LC6	6	87	6	5	3	**For grid emission turn C switch position 9.					
6KN8	6	86	6	1	2	6KY6	6	27	3	2	2	6LC8	6	25	3	6	2	6LM8	6	28	6	2	2
6KR8	6	24	6	7	2	6KY8	6	27	6	5	18	6LD6	6	*29	7	2	2	6LN8	6	26	6	9	2
		26	6	2	2	6KY8A	6	27	6	5	18	*Normally shows short position 3-9.											
						6L6	6	37	1	5	3	6LD12	6	43	6	8	2						

*Normal Shorts refer to position of "C" Switch. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)
 † Do not connect Plate Cap to Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	O	Socket	
6LQ6	6	29	5	1	18	6MB8	6	27	6	9	2	6MU8	6	31	6	2	2	6M-P18	6	35	1	7	1	
*Normally shows short position 2-4.						6MD8	6	30	6	1	2	6N3	6	31	6	9	2	6MP20	6	30	6	1	1	
6LQ8	6	26	6	7	2	6ME8	6	35	6	1	8	6N7	6	29	6	9	2	6MQ8	6	30	6	2	2	
6LR6	6	*32	10	5	9	6MF8	6	35	6	3	8	6N8	6	47	1	4	3	6R8	6	30	6	9	2	
*May show short position 1-3-4-7-10.						6MG8	6	35	6	10	8	6P5	6	47	1	5	3							
6LR8	6	27	6	5	8	6M-HH3	6	30	6	6	2	6P15	6	37	6	2	2							
6LT8	6	29	6	3	8	6MJ8	6	35	8	1	9	6Q7	6	64	6	7	2							
6LU8	6	26	8	9	2	6MK8	6	34	6	7	2	6R3	6	64	6	8	2	6R-A6	6	37	6	1	2	
6LX8	6	30	1	8	2	6MN8	6	35	8	8	9	6R4	6	64	6	8	2	6R-A9	6	37	6	6	2	
6LY8	6	31	7	10	9	6M-L4	6	33	8	10	9	6R7	6	64	6	8	2	6R-B11	6	37	6	6	2	
6M11	6	25	6	2	9	*Normally shows short position 1-7.						6R-B11	6	35	6	7	9	6R-B11	6	32	3	6	7	
		25	6	5	9	6M-P17	6	35	7	1	1	6R7	6	63	1	4	3	6R-HH2	6	27	6	2	2	
		25	6	8	9							6R7	6	63	1	5	3	6R-HH8	6	27	6	7	2	
6KD8-6S2												6R7	6	63	1	9	6R-K19	6	86	6	1	2		
*Normal Shorts refer to position of "C" Switch.												6R7	6	35	6	7	9	6R-K19	6	90	6	6	2	
† Do not connect Plate Cap to Adapter.												6R7	6	35	6	9	9	6R-P15	6	30	2	9	2	
▲ Use TC-63 Adapter.												6R7	6	35	6	9	9	6R-P15	6	38	2	1	2	
□ Use TC-62-A Adapter.												6R7	6	30	2	9	2	6R-P22	6	27	6	7	2	
▼ Use TC-70 Adapter.												6R7	6	63	1	4	3	6R-P22	6	86	6	1	2	
												6R7	6	63	1	5	3	6S2	6	35	2	9	2	
												6R7	6	63	1	4	3	*Normally shows short position 3-8.						
												6R7	6	63	1	5	3	*Normally shows short position 6-11.						

*Normal Shorts refer to position of "C" Switch. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)
 † Do not connect Plate Cap to Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	
8AC9	8	28	3	9	9	8B10	8	43	6	3	9	8BU11	8	28	6	8	9	8CX8	8	33	6	7	2	
8AC10	8	30	6	1	9	8BA8	8	31	6	7	2	8CB11	8	28	6	5	9	8CY5	8	35	2	1	1	
8AL9	8	30	6	5	9	8BA11	8	29	6	4	9	8CG7	8	45	6	2	2	8CY7	8	31	2	3	2	
8AR11	8	28	6	1	9	8BH8	8	34	6	7	2	8CH8	8	33	6	7	2	8DE7	8	33	2	3	2	
8AU8	8	31	6	7	2	8BM11	8	29	6	6	9	8CL8	8	32	6	9	2	8DX8	8	25	6	8	2	
8AV11	8	35	6	1	9	8BN8	8	35	6	8	2	8CM7	8	40	6	7	2	8EB8	8	33	6	7	2	
8AW8	8	32	6	7	2	8BN11	8	25	6	3	9	8CN7	8	44	10	7	2	8EM5	8	36	3	6	2	
8B8	8	33	6	3	2	8BQ5	8	33	1	2	2	8CS7	8	34	6	3	2	8ET7	8	30	6	7	2	
		39	6	1	2	8BQ7	8	32	6	2	2	8CU8	8	32	1	7	2	8FQ7	8	36	6	2	2	
						8BQ11	8	26	6	5	9	8CW5	8	*30	1	2	2	8GJ7	8	24	3	2	2	
								26	6	10	9							8GM6	8	30	6	1	1	
																		8GN8	8	33	6	7	2	

*Normal Shorts refer to position of "C" Switch. Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	
8GU7	8	31	6	2	2	8JV8	8	25	6	7	2	8MD8	8	35	6	1	8	9AK10	9	30	6	1	9	
8GX7	8	26	3	2	2	8K11	8	35	6	1	9	8M-P12	8	34	6	1	1	9AQ8	9	32	6	2	2	
8HA6	8	*27	3	2	2			35	6	7	9	8MU8	8	31	6	2	2							
						8KA8	8	26	6	6	2	8R-HP1	8	33	6	3	2	9AU7	9	40	10	2	2	
						8KR8	8	24	6	7	2	8RLP1	8	29	6	3	2	9BJ11	9	26	6	1	9	
						8KS8	8	*27	6	7	2	8SN7	8	44	6	1	8	9BR7	9	32	10	2	2	
												9A8	9	31	6	2	2							
												9AH9	9	37	5	2	9	9BR8	9	32	6	9	2	
												9AK8	9	43	6	8	2	9CG8A	9	30	3	9	2	
																		9CL8	9	32	6	9	2	
																		9DZ8	9	30	6	3	2	
																		9EA8	9	30	6	2	2	

*Normally shows short position 6-8.
 *Normally shows short position 8.
 **Normally shows short position 2.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
9ED4	9	**54	6	10	8	9LA6	9	30	3	2	2	10C8	10	32	6	8	2	10EM7	10	32	6	1	8
**Connect Plate Cap to Adapter. *Normally shows short position 1-2-3-5-6.						9M-HH3	9	34	6	5	1	10CW5	10	*30	1	2	2	10EW7	10	31	2	3	2
9GH8A	9	31	6	2	2	9MN8	9	33	8	8	9	10D2	19	33	6	2	1	10FD7	10	45	2	7	2
9HS6	9	26	6	1	1	9M-P12	9	33	8	1	9	10DE7	10	33	6	7	1	10FR7	10	38	2	7	2
9GV8	9	29	6	9	2	9R-A6	9	44	6	1	1	10DR7	10	33	2	3	2	10GF7	10	25	2	3	2
9J6	9	34	6	5	1	9R-AL1	9	35	6	7	7	10DX8	10	44	2	7	2	10GH8	10	35	2	7	2
9JW8	9	29	6	2	2	9R-HR2	9	35	2	3	2	10E/312	25	32	2	3	2	10GV8	10	26	6	5	18
9KC6	9	34	6	9	2	9U8	9	31	6	2	2	10E/349	6	41	6	5	3	10HA6	10	41	6	3	18
9KG6	9	27	6	2	2	9X8	9	33	6	9	2	10E/558	6	52	6	10	3	10GN8	10	24	2	3	2
9KX6	9	90	6	9	2	10AF11	10	32	6	2	2	10E/11448	6	42	6	5	3	10GV8	10	38	2	7	2
9KZ8	9	26	6	2	2	10AL11	10	31	6	1	9	10E/11533	6	39	6	5	3	10HA6	10	31	6	2	2
*Normally shows short position 1-2-5-6.						10BQ5	10	31	6	6	9	10E/11581	6	40	6	10	3	10GV8	10	33	3	2	2
9KV8	9	27	6	7	2	10EG7	10	35	6	3	9	10EB8	10	33	6	7	2	10GV8	10	33	6	2	2
9KX6	9	27	3	2	2								10	34	6	2	2	10HA6	10	29	6	9	2
9KZ8	9	26	6	2	2								10	34	6	2	2	10HA6	10	29	6	2	2
		25	6	9	2								10	32	6	1	8	10HA6	10	*27	3	2	2
													10	45	6	4	8	*Normally shows short position 6-8					

*Normal Shorts refer to position of "C" Switch. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket If Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 25)
 † Do not connect Plate Cap to Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
10HF8	10	24	6	7	2	10LE8	10	35	6	6	2	11BT11	11	27	7	1	9	11LT8	11	26	8	9	2
10JA8	10	25	6	7	2	10LW8	10	29	6	9	2			30	9	5	9			30	1	6	2
10JT8	10	99	6	3	2	10LY8	10	27	6	7	2	11C5	12	38	2	5	1	11MS8	11	30	1	8	2
10JY8	11	25	2	7	2	10LZ8	10	26	6	7	2	11CA11	11	35	9	3	9			29	6	9	2
10KR8	10	34	6	2	2	10T10	10	38	6	2	2			33	9	6	9	11R3	11	30	2	9	2
10KU8	10	26	6	7	2	10Z10	10	34	6	2	2	11CY7	12	33	8	8	9	12A4	12	32	3	7	7
10LB8	10	26	6	2	2	11AR11	11	29	6	7	2	11DS5	11	31	2	3	2	12A6	12	45	6	5	3
10LD6	10	24	6	7	2	11BM8	11	27	6	8	9	11FY7	11	45	2	7	2	12A8	12	45	6	5	3
10LD12	10	26	6	2	2	11BN11	11	30	6	1	9	11JE8	11	33	1	7	1	12AB5	12	*42	3	6	2
		65	6	2	2	11BQ11	11	28	6	5	9			25	9	3	9	*Normally shows short position 1-8.					
		65	6	3	2							11HM7	10	43	9	10	9	12AC6	12	42	6	1	1
		39	6	2	2							11KV8	11	25	7	2	2	12AD6	12	35	6	1	1
												11LQ8	11	28	6	10	9	12AD7	12	40	10	2	2
														25	6	7	2	12AE6	12	40	10	7	2
														26	6	2	2	12AE7	12	40	10	7	2
														26	6	2	2	12AE10	12	52	6	1	1
														34	6	2	2			66	6	5	1
														26	6	2	2			66	6	6	1
														26	6	2	2			32	10	2	2
														26	6	2	2			32	10	7	2
																				31	6	3	9

9ED4-12AE10
 *Normal Shorts refer to position of "C" Switch. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket If Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 26)
 † Do not connect Plate Cap to Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket		
12AF3	12	32	2	9	2	12AT6	12	39	6	1	1	12AY3	12	30	5	2	18	12BF6	12	50	6	1	1		
12AF6	12	37	6	1	1			72	6	5	1	12AY3A	12	30	5	2	18								
12AF11	12	28	6	8	9	12AT7	12	72	6	6	1	12AY7	12	44	10	2	2			12	66	6	5	1	
		34	6	10	9			32	10	2	2			44	10	7	2			12	66	6	6	1	
								32	10	7	2	12AZ7	12	33	10	2	2			12	25	6	3	9	
12AG6	12	35	6	1	1	12AU5	12	40	6	1	3			33	10	7	2			12	25	6	8	9	
12AH7	12	48	6	1	8	12AU6	12	33	6	1	1	12B4	12	35	3	7	7			12	35	10	2	2	
		48	6	5	8	12AU7	12	40	10	2	2	12B7	12	45	6	6	4			12	35	10	7	2	
12AJ6	12	40	6	1	1	12AU8	12	40	10	7	2	12BA6	12	33	2	1	1			12	37	3	7	2	
		66	6	5	1			31	6	7	2	12BA7	12	33	6	2	2			12	39	6	1	1	
								32	6	2	2	12BA11	12	28	6	4	9				57	6	5	1	
12AJ7	12	32	6	2	2	12AV5	12	33	6	1	3			36	6	9	9			12	57	6	6	1	
		35	6	9	2	12AV6	12	40	6	1	1	12B-B14	12	*33	4	5	8			12	35	6	1	1	
12AL5	12	33	6	2	1			78	6	5	1									12	99	6	5	1	
		33	6	7	1			78	6	6	1									12	35	6	5	3	
						12AV7	12	32	10	2	2									12	30	2	9	2	
12AL8	12	34	6	3	2			32	10	7	2	12BC32	12	40	6	1	1			12	32	10	2	2	
		52	6	8	2	12AW6	12	38	6	1	1			67	6	5	1				36	10	6	2	
12AL11	12	31	6	3	9	12AX3	12	34	4	10	9			67	6	6	1				36	10	7	2	
		27	6	8	9	12AX4	12	35	6	5	8	12BD5	12	43	6	1	1				12	27	2	5	18
12AQ5	12	35	1	7	1	12AX7	12	42	10	2	2	12BE3	12	26	4	10	9				12	27	4	10	9
12AS5	12	36	2	5	1			42	10	7	2	12BE6	12	35	6	1	1								

*Normal Shorts refer to position of "C" Switch.
 † Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket If Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket		
12BT6	12	39	6	1	1			65	6	4	3	12DB5	12	*38	3	6	2	12DQ7	12	*32	7	2	2		
		64	6	5	1	12C8Y	12	55	6	10	3			*Normally shows short position 2-7.											
12BU6	12	50	6	1	1			65	6	4	3	12DE8	12	36	6	1	2	12DS7	12	34	6	3	2		
		66	6	5	1			65	6	5	3			34	6	3	2				*85	6	1	2	
						12CA5	12	32	2	5	1	12DF5	12	52	10	1	2				*85	6	9	2	
12BV7	12	*31	7	2	2	12CA5	12	32	2	5	1			52	10	6	2				*Tube good if it reads 20 or more.				
						12CK3	12	25	2	5	18	12DF7	12	40	10	2	2	12DT5	12	*38	3	6	2		
						12CL3	12	27	5	2	18			40	10	7	2				*Normally shows short position 7-11.				
12BV11	12	27	6	6	9	12CM6	12	40	3	6	2	12DJ8	12	31	6	2	2	12DT6	12	33	6	1	1		
		27	6	7	9	12CN5	12	33	2	5	1			31	6	7	2	12DT7	12	41	10	2	2		
12BW4	12	50	6	1	2	12CR6	12	39	6	7	1	12DK6	12	33	6	1	1				41	10	7	2	
		50	6	7	2			61	6	2	1	12DK7	12	33	9	1	2	12DT8	12	30	6	2	2		
12BX6	12	33	1	2	2	12CS6	12	35	6	1	1			80	9	6	2				30	6	7	2	
12BY7	12	*34	7	2	2	12CT3	12	32	2	6	2			80	9	9	2	12DU7	12	31	6	1	2		
						12CT8	12	35	6	8	2	12DL8	12	35	6	3	2				77	6	7	2	
12BZ6	12	31	6	1	1			37	6	2	2			65	6	9	2				77	6	9	2	
12BZ7	12	35	10	2	2	12CU5	12	*33	2	5	1			65	6	1	2	12DV7	12	49	10	7	2		
		35	10	7	2							12DM4	12	30	6	5	8				78	10	2	2	
12C5	12	35	2	5	1	*It may show short pin 1-11.						12DQ4	12	32	6	5	8				78	10	3	2	
12C8	12	55	6	10	3	12CU6	12	35	6	5	3	12DQ6	12	34	6	5	3	12DV8	12	35	6	3	2		
						12CX6	12	30	6	1	1											58	6	9	2
						12D4	12	33	6	5	8	12DQ6B	12	30	6	5	3					58	6	1	2
						12DA6	12	34	1	2	2														

*Normal Shorts refer to position of "C" Switch.
 † Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket If Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
12DW4A	12	29	5	2	8	12EL6	12	38	6	1	1	12FQ8	12	39	6	2	2	12G-B7	12	33	6	5	3
12DW5	12	33	3	6	2			68	6	5	1			39	6	7	2	12GC5	12	*33	3	6	2
12DW7	12	43	10	2	2	12EM6	12	68	6	6	1	12FR8	12	*25	6	3	2	*Normally shows short position 1-8.					
12DW8	12	43	10	7	2			34	6	1	2			*37	6	1	2	12GC6	12	33	4	5	3
		32	6	2	2			90	6	9	2			*62	6	8	2	12GE5	12	*27	3	1	9
		32	6	7	2	12EN6	12	33	6	5	3	*Normally shows short position 11.					12GJ5	12	*32	5	1	18	
12DY8	12	44	6	9	2	12EQ7	12	34	6	2	2	12FS5	12	27	2	1	1	*Normally shows short position 4-10					
		30	6	1	2			71	6	8	2	12FT6	12	52	6	1	1	*Normally shows short position 2-4.					
12DZ6	12	35	6	9	2	12EZ6	12	32	6	1	1			66	6	5	1	12G-K17	12	35	6	5	8
12DZ8	12	33	6	1	1	12F5	12	40	6	10	3			65	6	6	1	12GN7	12	*24	7	2	2
		30	6	3	2	12F8	12	40	6	8	2	12FV7	12	35	10	2	2	*Normally shows short position 3-9.					
12E5	12	37	6	1	2			62	6	1	2			35	10	7	2	12GT5	12	*35	5	1	18
12EA6	12	48	6	5	3	12F31	12	62	6	6	2	12FX5	12	32	2	5	1	*Normally shows short position 2-4.					
12EC8	12	32	6	1	1	12FK6	12	33	2	1	1	12FX8	12	32	6	2	2	12GT5A	12	*35	5	1	18
		30	6	9	2			40	6	1	1			28	6	6	2	*Normally shows short position 2-4.					
12ED5	12	32	6	1	2			65	6	5	1	12FX8A	12	30	6	2	2	12GV5	12	*26	10	5	9
12EG6	12	32	2	5	1	12FM6	12	65	6	6	1			25	6	6	2	*Normally shows short position 1-3-4-7-10.					
12EH5	12	36	6	1	1			35	6	1	1	12G4	12	41	1	6	1	12GW6	12	30	6	5	3
12EK6	12	30	2	5	1			68	6	5	1	12G11	12	36	6	3	9	12H6	12	48	6	3	3
		31	6	1	1			68	6	6	1			30	6	8	9			48	6	5	3
						12FQ7	12	36	6	2	2	12GA6	12	36	6	1	1	12H31	12	35	6	1	1
								35	6	7	2	12G-B3A	12	27	6	5	3						

*Normal Shorts refer to position of "C" Switch. Use TC-63 Adapter. Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)
 † Do not connect Plate Cap to Adapter. Use TC-62-A Adapter. and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.
 Use TC-70 Adapter.



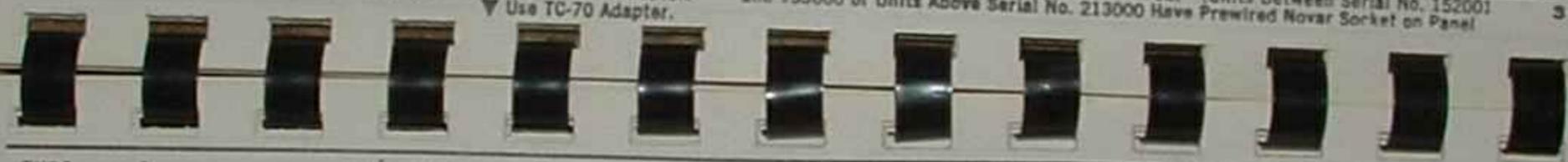
TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
12HE7	12	25	11	9	9	12JB6A	12	*29	5	1	18	12KL8	12	30	6	2	2	12SF5	12	41	6	3	8
		27	11	2	9	*Normally shows short position 2-4.					12L6	12	34	6	5	3	12SF7	12	46	6	2	8	
12HG7	12	*27	7	2	2	12JM6	12	26	4	5	9	12MD8	12	35	6	1	8			69	6	5	8
*Normally shows short position 3-9.					12JN6	12	27	4	1	9			35	6	3	8	12SG7	12	34	5	4	3	
12HL5	12	30	2	7	2	12JN8	12	26	6	9	2			35	6	10	8	12SH7	12	33	5	4	3
12HL7	12	*28	7	2	2			26	6	1	2	12NK7GT	12	44	6	1	8	12SJ7	12	35	6	4	3
*Normally shows short position 3-9.					12JQ6	12	*35	8	8	2			44	6	4	8	12SK7	12	40	6	4	3	
12J5	12	42	6	5	3	*May show short position 2-3.					12Q7	12	40	6	10	3	12SL7	12	43	6	1	8	
12J7	12	50	6	10	3	12JS6	12	*29	10	5	9			63	6	4	3			43	6	4	8
12J8	12	30	6	1	2	*Normally shows short position 1-3-4-10.							63	6	5	3	12SN7	12	44	6	1	8	
		35	6	8	2	12JT6	12	27	2	5	18	12R5	12	39	2	5	1	12SQ7	12	42	6	2	8
		35	6	9	2	12JT6A	12	27	2	5	18	12R-K19	12	30	2	9	2			82	6	4	8
12HB25	12	*33	4	5	8	12JZ8	12	29	7	7	9	12R-LL5	12	36	6	2	2	12SR7	12	46	6	2	8
*May show short position 1-2-6-10.							40	7	10	9			36	6	7	2			82	6	5	8	
*Connect plate cap lead to top of tube.					12K5	12	35	5	6	1	12S8	12	45	5	10	8			68	6	4	8	
12HUB	12	29	6	2	2	12K7	12	52	6	10	3			62	5	1	8			68	6	5	8
		29	6	6	2	12K8	12	35	6	5	3			62	5	4	8	12SS7	12	46	6	4	3
12JB6	12	*29	5	1	18	12KA8	12	26	6	6	2	12SA7	12	37	6	5	3	12SW7	12	52	6	2	8
*Normally shows short position 2-4.							33	6	2	2			63	2	3	8			70	6	4	8	
12DW4A-12SW7												12SC7	12	48	6	3	8			70	6	5	8
														48	6	4	8						

*Normal Shorts refer to position of "C" Switch. Use TC-63 Adapter. Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)
 † Do not connect Plate Cap to Adapter. Use TC-62-A Adapter. and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.
 Use TC-70 Adapter.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	
12SX7	12	44	6	1	8	13DR7	12	32	2	3	2	13JT8	13	25	2	7	2	14BQ11	14	26	6	5	9	
12SY7	12	44	6	4	8	13EM7	12	41	2	7	2	13JZ8	13	34	6	2	2	14BR11	14	26	6	10	9	
12T10	12	39	6	5	3	13FD7	12	32	6	1	8	13SJ7	12	29	7	7	9							
		27	6	8	9	13FG7	12	45	6	4	8	13V10	12	40	7	10	9							
12U7	12	40	10	2	2	13FM7	12	24	2	3	2	14A4	12	35	6	4	3							
		40	10	7	2	13FR7	12	38	2	7	2	14A5	12	38	6	3	9	14C5	12	38	6	6	4	
12V6	12	41	6	5	3	13GB5	13	27	3	9	2	14A7	12	32	6	8	9	14C7	12	37	6	6	4	
12W6	12	35	6	5	3	13GF7	13	27	3	1	2	14AF7	12	30	6	1	9	14E6	12	40	4	3	4	
12X4	12	44	6	1	1	13GF7A	13	25	3	8	9	14B6	12	95	6	6	9							
		44	6	6	1	13J10	13	36	3	10	9	14B8	12	41	6	6	4							
13CM5	12	*25	9	5	3							14BF11	14	41	6	4	4	14E7	12	47	6	6	4	
*Normally shows short position 1-4.						13GB5	13	*26	4	5	18	14F7	12	45	6	6	4							
13CW4	13	*87	6	2	5	*May show short position 1-2-6-10.						14GT8	14	41	6	4	4							
*For Grid Emission turn C switch						*Connect plate cap lead to the tube.						14GW8	14	41	6	5	4							
												14H7	12	40	4	3	4							
13D1	25	44	6	1	8	13GF7	13	26	6	5	18													
		44	6	4	8	13GF7A	13	41	6	3	18	14B8	12	68	4	5	4							
13DE7	12	33	2	3	2	13J10	13	26	6	5	18	14BF11	14	68	4	6	4							
		44	2	7	2									12	42	6	4	4						
13DF7	13	40	10	2	2									14	25	6	3	9						
		40	10	7	2										25	6	8	9						

† Do not connect Plate Cap to Adapter. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel)

*Normal Shorts refer to position of "C" Switch. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	
14J7	12	35	6	6	4	15A6	15	30	6	2	2	15FM7	15	25	3	8	9	16AK9	16	30	7	10	9	
14JG8	14	50	6	4	4	15A8	15	36	6	4	3	15FY7	15	36	3	10	9							
		45	6	8	2	15AF11	15	40	6	3	3							16AQ3*	16	40	7	3	9	
		32	6	2	2							15GY5	15	25	9	3	9							
		32	6	6	2	15BD11	15	31	6	1	9													
14N7	12	42	6	4	4																			
		42	6	5	4	15BD11A	15	35	6	3	9													
14Q7	12	35	6	4	4																			
14R7	12	35	6	6	4	15CW5	15	26	6	1	9													
		72	6	3	4	*May show short position 6-8																		
14S7	12	72	6	4	4	15DQ8	15	31	6	6	9	15HA6	15	*27	3	2	2	16BQ11	16	30	7	3	7	
		38	6	6	4																			
14V7	12	52	6	4	4	15EA7	15	31	6	3	9													
14W7	12	32	6	6	4	*Normally shows short position 6-8																		
14X7	12	31	4	6	4	15EW6	15	31	6	6	9	15HB6	15	*25	3	2	2	16BX11	16	26	6	10	9	
		43	6	3	4																			
		38	6	5	4	15EW7	15	26	6	1	9													
		35	6	6	4																			
14Y4	12	45	6	3	4																			
		45	6	6	4																			

12SX7-16K11

† Do not connect Plate Cap to Adapter. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel)

*Normal Shorts refer to position of "C" Switch. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
16KA6	16	*26	10	5	9	17BD11	17	26	6	1	9	17C9	17	28	7	1	2	17GJ5	17	*32	5	1	18
*May show short position 1-3-4-7-10.																		*Normally shows short position 2-4.					
16LD6	16	*29	7	2	2	17BE3	17	26	4	10	9	17CA5	17	32	2	5	1	17GJ5A	17	*32	5	1	18
*Normally shows short position 3-9.												17CL3	17	27	5	2	18	*Normally shows short position 2-4.					
16LUS	16	28	7	7	9	17BF11	17	25	6	3	9	17CK3	17	25	2	5	18	17GT5	17	*35	5	1	18
		31	7	10	9	17BF11A	17	25	6	3	9	17CQ4	17	32	6	5	8	*Normally shows short position 2-4.					
17A8	17	31	6	2	2							17CT3	17	32	2	6	2	17GT5A	17	*35	5	1	18
		34	6	9	2	17BH3	17	30	5	2	18	17CU5	17	32	2	5	1	*Normally shows short position 2-4.					
17AB10	17	29	6	1	9	17BH3A	17	30	5	2	18	17D4	17	33	6	5	8	17GV5	17	*26	10	5	9
		95	6	6	9	17BJ6	17	34	6	1	1	17DE4	17	34	6	5	8	*Normally shows short position 1-3-4-7-10.					
17AF3	17	32	2	9	2	17BQ6	17	35	6	5	3	17DM4	17	30	6	5	8	17GW6	17	30	6	5	3
17AV5	17	33	6	1	3	17BR3	17	30	2	9	2	17DQ4	17	32	6	5	8	17GY5	17	*25	5	9	9
17AX3	17	34	4	10	9	17BS3	17	27	2	5	18	17DQ6	17	34	6	5	3	*Normally shows short position 1-3-4-7-10.					
17AX4	17	35	6	5	8	17BW3	17	28	4	10	9	17DQ6B	17	30	6	5	3	17H3	17	36	3	8	2
17AY3	17	30	5	2	18	17BZ3	17	28	4	10	9	17DW4A	17	29	5	2	8	17H-B25	17	*33	4	5	8
17AY3B	17	30	5	2	18	17C5	17	*34	2	5	1	17EW8	17	32	6	2	2	*May show short position 1-2-6-10.					
17B-B14	17	*33	4	5	8	17C8	17	33	6	2	2	17FY7	17	25	9	3	9	*Connect plate cap lead to top of tube.					
*May show short on 1-2-6-10.												17GE5	17	*27	3	1	9	*Connect plate cap lead to top of tube.					
*Connect plate cap lead to top of tube.												*Normally shows short position 4-10.											

*Normal Shorts refer to position of "C" Switch.
 † Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
17HC8	17	36	6	3	2	17JR6	17	34	2	7	8	18AQ5	18	35	1	7	1	18R-AL1	18	52	2	7	2
17HG8	17	24	3	2	2	17JS6	17	*29	10	5	9	18DZ8	18	30	6	3	2			35	2	3	2
		25	1	6	2	*Normally shows short position 1-3-4-10.						18FW6	18	33	6	1	1	19AJ8	19	85	6	1	2
17JB6	17	*29	5	1	18	17JT6	17	27	2	5	18	18FX6	18	34	6	1	1			38	6	9	2
*Normally shows short position 2-4.						17JT6A	17	27	2	5	18	18FY6	18	38	6	1	1	19AQ5	19	35	1	7	1
17JB6A	17	*29	5	1	18	17JZ8	17	29	7	7	9			74	6	5	1	19AU4	19	33	1	5	8
*Normally shows short position 2-4.												18GB5	18	*26	4	5	18	19BG6	19	36	6	5	3
17JG6	17	24	2	5	18	17KV6	17	28	4	5	8	*May show short position 1-2-6-10.						19BX6	19	33	1	2	2
17JF6	17	*26	5	1	8	17KW6	17	28	11	4	18	*Connect plate cap lead to the tube.						19BY7	19	33	1	2	2
*Normally shows short position 2-4.						17L6	17	34	6	5	3	18GD6	18	34	6	1	1			37	6	1	2
17JG6A	17	24	2	5	18	17LD8	17	26	6	5	18	18GE6	18	37	6	1	1	19CG3	19	26	4	10	9
17JK8	17	30	6	2	2							18GV5	18	*26	10	5	9	19CL8-A	19	32	6	9	2
		31	6	7	2	17R5	17	39	2	5	1	*Normally shows short position 1-3-4-7-10.								32	6	1	2
17JM6	17	26	4	5	9	17W6	17	33	6	5	3	18GV8	18	29	6	9	2	19D8	19	32	6	2	2
17JN6	17	27	4	1	9	17X10	17	98	6	6	9			29	6	2	2			35	6	9	2
17JQ6	17	*35	8	8	2	17Z3	17	30	2	9	2	18HB8	18	36	6	9	2	19DE7	19	33	2	3	2
*May show short position 2-3.						18A5	18	34	6	1	3			33	6	1	2			44	2	7	2
16KA6-19EA8						18AJ10	18	32	4	3	9	18J6	18	34	6	5	1	19EA8	19	30	6	2	2
*Normal Shorts refer to position of "C" Switch. † Do not connect Plate Cap to Adapter. ▲ Use TC-63 Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter. ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)						18AK5	18	33	2	1	1			34	6	6	1			31	6	9	2

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	
19EW7	19	31	2	3	2	19KG8	19	24	6	9	2	20EQ7	19	34	6	2	2	21J56	21	*29	10	5	9	
19EZ8	19	33	6	2	2	19MR9	19	35	6	1	1	20EW7	20	31	2	3	2	*Normally shows short position 1-3-4-7-10.						
19FX5	19	32	2	5	1	19Q9	19	25	6	1	2	20LF6	20	*31	5	9	9	21JV6	21	26	4	1	9	
19G07	19	31	3	2	2	19T8	19	43	6	8	2	*May show short position 1-3-4-7-10.					21JZ6	21	*27	4	5	9		
19GY5	19	*25	5	9	9			35	6	2	2	21A6	19	*32	8	2	2	*Some tubes may show short position 1-9.						
*Normally shows short position 1-3-4-7-10.						19V8	19	40	6	6	2	21AK6	21	43	6	1	1	*May show short position 1-3-4-7-10.						
19HR6	19	24	6	1	1			35	6	1	2	21EX6	22	33	6	5	3	*Normally shows short position 1-2-5-6.						
19HS6	19	26	6	1	1	19X3	19	29	6	9	2	21GY5	21	*25	5	9	9	*Normally shows short position 1-3-4-7-10.						
19HV8	19	35	6	1	2	19X8	19	30	6	7	2	*Normally shows short position 1-3-4-7-10.					21LG6	21	*32	10	5	9		
19J6	19	34	6	5	1			32	6	2	2	21H85	21	*25	1	3	9	*May show short position 1-3-4-7-10.						
19JC6	19	26	3	2	2	19Y3	19	29	6	9	2	*Normally shows short position 4-10.					21LR8	21	27	6	5	8		
19KF6	19	33	4	2	8	20AQ3*	20	27	7	3	7	*Normally shows short position 4-5-9-10.					21LU8	21	28	7	7	9		
19JN8	19	26	6	9	2	20AQ3	20	27	3	7	7	*Normally shows short position 4-5-9-10.					22AL3*	22	27	7	3	7		
		26	6	1	2	20D1	9	33	6	2	1	*Normally shows short position 4-5-9-10.					*If no test, use alternate settings.							
								33	6	7	1													

*Normal Shorts refer to position of "C" Switch.
 † Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	
22BH3A	22	30	5	2	18	24BF11	24	25	6	3	9	25CK3	25	25	2	5	18	25JQ6	25	*35	8	8	2	
22BW3	22	28	4	10	9			25	6	8	9	25CM3	25	25	5	2	18	*May show short position 2-3.						
22DE4	22	34	6	5	8	24JE6A	24	*29	5	1	18	25CU6	25	35	6	5	3	25L6	25	34	6	5	3	
22JF6	22	*26	5	1	8	*Normally shows short position 2-4.					25CT3	25	32	2	6	2	25SN7	25	44	6	1	8		
*Normally shows short position 2-4.						24JZ8	24	29	7	7	9	25D4	25	33	6	5	8	44 6 4 8						
22JG6	22	24	2	5	18			40	7	10	9	25DK4	25	28	7	5	1	25R-K19	25	30	2	9	2	
22JG6A	22	24	2	5	18	24LQ6	24	*29	5	1	18	25DN6	25	32	6	5	3	25W4	25	32	6	5	8	
22JR6	22	34	2	7	8	*Normally shows short position 2-4.					25DQ6	25	34	6	5	3	25W6	25	35	6	5	3		
22JU6	22	*27	5	1	18	25A6	25	*50	6	5	3	25DT5	25	*38	3	6	2	25Z6	25	34	6	3	3	
*Normally shows short position 2-4.						*Normally shows short position 8-11.						25E5	25	27	6	5	3	34 6 5 3						
22KM6	22	*27	5	1	8	25AU4	25	33	6	5	8	25EC6	25	32	6	5	3	26A6	25	34	6	1	1	
*Normally shows short position 2-4.						25AV5	25	33	6	1	3	25EH5	25	*30	2	5	1	26AQ8	26	32	6	2	2	
22KV6	22	28	4	5	8	25AX4	25	35	6	5	8	*Normally shows short position 1-11.					26BK6	25	39	6	1	1		
23JS6A	23	*29	10	5	9	25B6	25	40	6	5	3	25F5	25	38	2	5	1	57 6 5 1						
*Normally shows short position 1-3-4-10.						25BK5	25	37	3	7	2	25F5A	25	38	2	5	1	57 6 6 1						
23Z9	23	30	7	10	9	25BQ6	25	35	6	5	3	25GB6	25	33	6	5	3	26C6	25	50	6	1	1	
		39	7	3	9	25BR3	25	30	2	9	2	*Normally shows short position 4-10.					68 6 5 1							
		28	7	8	9	25C5	25	33	2	5	1	25GE5	25	*27	3	1	9	68 6 6 1						
19EW7-26D6						25C6	25	36	6	5	3													
						25CA5	25	32	2	5	1													
						25CD6	25	33	6	5	3													
						25CG3	25	26	4	10	9	25HX5	25	*55	7	1	8	26D6 25 36 6 1 1						
*Normal Shorts refer to position of "C" Switch. † Do not connect Plate Cap to Adapter. ▲ Use TC-63 Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter. ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)																								

*Normal Shorts refer to position of "C" Switch.
 † Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
26DQ5	26	*35	5	1	3	28HA6	28	*27	3	2	2	30CW5	30	*30	1	2	2	31AL10	31	38	7	1	9
*Normally shows short position 3-4-6-8.						*Normally shows short position 6-8						*May show short position 6-7-8-9.						51 7 3 9					
26HU5	26	*28	1	5	8	28HD5	28	*27	3	1	9	30HD5	30	*27	3	1	9	31JS6A	31	*29	10	5	9
*Ignore glow on 2-6.						*Normally shows short position 4-5-9-10						*Normally shows short position 4-5-9-10						*Normally shows short position 1-3-4-10.					
26JG6	26	28	2	5	18	29GK6	29	33	3	2	2	30HJ5	30	*26	3	1	9	33 7 8 9					
26Z5	26	45	10	1	2	29KQ6	29	*25	1	4	18	*Normally shows short position 4-5-9-10						*Normally shows short position 1-3-4-10.					
45 10 6 2						*Normally shows short position 1-2-5-6.						*Normally shows short position 4-5-9-10						31 29 5 1 18					
27GB5	27	*26	4	5	18	29LE6	29	*30	1	4	8	30JZ6	30	*27	4	5	9	*Normally shows short position 2-4.					
*May show short position 1-2-6-10.						*Normally shows short position 2-5.						*Some tubes may show short position 1-9.						32 33 6 3 2					
*Connect plate cap lead to the tube.						30A5 29 27 5 2 1						30KD6 30 *25 10 5 9						32ET5 30 36 2 5 1					
27KG6	27	*26	11	4	8	30AE3*	30	27	7	3	7	*Normally shows short position 1-3-4-10.						32HQ7 32 34 8 2 9					
*Normally shows short position 1-2-5-6.						*If no test, use alternate settings.						30KG6 30 *26 11 4 8						34 8 9 9					
28D7	30	40	6	2	4	30AE3	30	27	3	7	7	*Normally shows short position 1-2-5-6.						33GT7 33 *58 8 10 9					
40 6 7 4						30AG11 30 28 6 8 9						30L1 7 33 8 2 2						*28 8 2 9					
28EC4	28	*26	2	5	18	28 6 5 9						30M-P23 30 30 5 2 1						*Normally shows short position 9-1					
**Use only TC-62B Adapter.						34 6 10 9						30M-P27 30 30 5 2 1						33GY7 33 *58 8 1 9					
28GB5	28	*26	4	5	18	34 6 3 9						30P16 16 71 2 9 2						*28 8 2 9					
*May show short position 1-2-6-10.						30C1 9 31 6 2 2												*Normally shows short position 9-10					
*Connect plate cap lead to the tube.						34 6 9 2																	

*Normal Shorts refer to position of "C" Switch. Use TC-63 Adapter. Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 37
 † Do not connect Plate Cap to Adapter. Use TC-62-A Adapter. and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.
 Use TC-70 Adapter.



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
33GY7A	33	*58	8	1	9	35EH5	35	30	2	5	1	40KD6	40	*25	10	5	9	50CA5	50	32	2	5	1
*Normally shows short position 9-10.						35GL6 35 39 7 2 1						*Normally shows short position 1-3-4-10.						50CD6 50 33 6 5 3					
33HE7	33	25	11	9	9	35HB8	35	36	6	9	2	40KG6	40	*26	11	4	8	50DC4	50	33	7	5	1
27 11 2 9						35L6 35 36 6 5 3						*Normally shows short position 1-2-5-6.						50E5 50 27 6 5 3					
33JR6	33	34	2	7	8	35LR6	35	*32	10	5	9	40Z5 50 31 3 5 3						50EH5 50 30 2 5 1					
33JV6	33	26	4	1	9	*May show short position 1-3-4-7-10.						42EC4 42 *26 2 5 18						50FAS 50 35 2 5 1					
34CD3	34	*27	4	10	9	35W4	35	33	7	5	1	**Use only TC-62B Adapter.						50FE5 50 33 6 5 3					
*Some tubes may show short position 5-6-8-9.						35Y4 35 31 4 2 4						42KN6 21 *28 10 5 9						50FK5 50 35 2 5 1					
34CE3	34	27	4	10	9	35Z3	35	31	6	2	4	*Normally shows short position 1-3-4-7-10-11.						50FY8 50 30 6 3 2					
34CM3	34	25	5	2	18	35Z4	35	33	6	5	3	45B5 50 33 1 2 2						50GY7 50 *57 8 1 9					
34GD5	35	36	2	5	1	35Z5	35	33	3	5	3	45Z3 38 32 7 2 6						*Normally shows short position 9-10.					
34R3	34	30	2	9	2	36AM3	35	35	7	5	1	45Z5 50 31 3 5 3						50HC6 50 27 7 2 1					
35A5	35	34	6	6	4	36KD6	36	*25	10	5	9	50A5 50 35 6 6 4						50HK6 50 29 7 2 1					
*Normally shows short position 1-3-4-10.						38A3 38 35 1 6 7						50B5 50 36 1 7 1						50HN5 50 28 1 2 2					
35B5	35	38	1	7	1	38HE7	38	25	11	9	9	50BK5 50 37 3 7 2						50JY6 50 28 4 5 3					
35C5	35	38	2	5	1	27 11 2 9						50BM8 50 33 6 3 2						50L6 50 34 6 5 3					
35CD6	35	33	6	5	3	38HK7 38 26 11 9 9						39 6 1 2						50X6 50 35 6 3 4					
35DZ8	35	30	6	3	2	26 11 2 9						50C5 50 35 2 5 1						35 6 6 4					
37 6 1 2						40FR5 38 32 2 5 1						50C6 50 45 6 5 3						50Y6 50 35 6 3 3					

26DQ5-50Y6
 *Normal Shorts refer to position of "C" Switch. Use TC-63 Adapter. Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 38
 † Do not connect Plate Cap to Adapter. Use TC-62-A Adapter. and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.
 Use TC-70 Adapter.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
6193	12	40	10	2	2	6463	12	29	10	3	2	6680	12	40	10	2	2	6973	6	*40	3	6	2
6201	12	32	10	2	2	6485	6	35	6	1	1	6681	12	42	10	2	2	*Normally shows short position 1-8.					
6202	6	44	6	1	1	6520	6	35	6	1	8	6686	6	26	1	2	2	7000	6	50	6	10	3
6203	6	44	6	6	1	6550	6	35	6	5	3	6687	6	32	6	1	1	7025	12	42	10	2	2
6211	12	41	6	1	2	6660	6	33	2	1	1	6688	6	27	3	2	2	*Normally shows short position 1-4.					
6216	6	41	6	9	2	6661	6	33	6	1	1	6689	6	25	6	2	2	7036	6	39	6	1	1
6218	6	34	10	2	2	6662	6	34	6	1	1	6829	12	32	10	2	2	7044	12	34	9	2	2
6227	6	34	10	7	2	6663	6	33	6	2	1	6883	12	*38	1	5	3	*Normally shows short position 3-9.					
6265	6	*29	3	2	2	6664	6	30	6	6	1	*Normally shows short position 4-6.					7054	12	*34	7	2	2	
6267	6	72	6	2	2	6669	6	35	1	7	1	6887	6	33	6	2	1	*Normally shows short position 3-9.					
6350	12	29	1	2	2	6676	6	33	6	1	1	6888	6	32	6	4	3	7055	12	33	6	2	1
6360	12	33	6	1	1	6677	6	*32	2	9	2	6919	6	35	6	2	1	7056	12	33	6	1	1
6417	12	40	2	9	2	*Normally shows short position 3-8.					6922	6	28	6	2	2	7057	12	32	6	2	2	
		40	10	8	2	6678	6	33	6	2	2	6968	6	33	2	1	1	7058	12	42	10	2	2
		35	10	3	2	6679	12	32	10	2	2												
		35	10	3	2			32	10	7	2												

*Normal Shorts refer to position of "C" Switch. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket If Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 41
 † Do not connect Plate Cap to Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
7059	12	33	6	2	2	7233	6	*33	2	7	2	7586	6	*58	6	2	5	7722	6	22	1	2	2
7060	12	33	6	2	2	*Normally shows short position 1-3-6-9.					7587	6	*67	6	2	5	7724	14	52	6	8	2	
7061	12	*42	3	6	2	7247	12	43	10	2	2	*For Grid Emission Turn C Switch Position 4.					7728	12	32	10	2	2	
7062	12	26	10	7	2	7258	12	32	6	8	2	*For Grid Emission Turn C Switch Position 4.					7729	12	42	10	2	2	
7105	12	26	10	2	2	7308	6	24	6	2	2	7591	6	34	4	6	3	7730	12	40	10	2	2
7119	12	28	9	2	2	7320	6	33	1	2	2	7607	6	*34	1	5	3	7731	6	33	6	2	2
7167	12	28	9	7	2	7355	6	37	6	6	3	*Normally shows short position 4-6.					7732	6	33	6	1	1	
7189	6	35	6	1	8	7360	6	29	6	3	2	7643	6	25	6	2	2	7733	12	*34	7	2	2
7199	6	35	2	1	1	7370	40	80	9	1	2	7687	6	35	6	2	2	*Normally shows short position 3-9.					
		32	6	9	2	7408	6	39	6	5	3	7693	6	31	6	1	1	7738	6	*33	2	6	1
		32	6	9	2	7543	6	34	6	1	1	7694	6	32	6	1	1	*Normally shows short position 1-7.					
		32	6	9	2	7551	15	*34	10	2	2	7695	50	34	6	6	2	7751	6	30	4	5	3
		32	6	9	2	*Normally shows short position 3-8.					7701	12	*38	1	2	2	7754	6	34	6	6	2	
		32	6	9	2	7558	6	*30	3	2	2	*Normally shows short position 3-7-8-9.					7788	6	*29	3	2	2	
		32	6	9	2	*Normally shows short position 1-9					7716	12	33	6	2	2	*Normally shows short position 6-9.						
		32	6	9	2	7581	6	37	6	5	3	7719	12	29	1	7	7						

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*Normal Shorts refer to position of "C" Switch. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket If Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 42
 † Do not connect Plate Cap to Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
7867	6	27	6	5	3	8136	6	25	6	1	1	A1834	6	35	6	1	8	B36	12	44	6	1	8
7868	6	*27	5	1	18	8156	13	*32	9	10	9	AR18	6	35	6	4	8	B65	6	44	6	4	8
*Normally shows short position 2-4.						*Normally shows short position 1-2 3-4-5-6-7-9																	
7895	6	*85	6	2	5	8233	6	25	5	10	8		6	40	6	10	3	B152	12	44	6	4	8
*For Grid Emission Turn C Switch Position 4.						*Normally shows short position 2-3.																	
7898	14	28	10	2	2	8278	6	*31	7	2	18	ARDD3	6	48	6	3	3	B309	12	32	10	7	2
						*Normally shows short position 1-4-5-10.																	
7984	12	*70	8	1	9	8327	6	25	1	2	2	ARH1	6	44	6	10	3	B319	7	33	8	2	2
*Normally shows short position 2-3-4-5-6-8-9.																							
8032	12.6	*40	1	5	3	8417	6	30	1	5	3	ARP15	6	52	6	10	3	B329	12	40	10	2	2
*Normally shows short position 4-6.																							
8056	6	*80	6	2	5	8458	13	35	3	4	8	ARP16	6	50	6	10	3	B339	12	42	10	2	2
*For grid emission turn sw. "C" to position 4						*Normally shows shorts position 2-7.																	
8102	12	28	6	9	2	9001	6	42	2	1	1	ARP17	6	54	6	5	3	B719	6	32	6	2	2
						*Normally shows short position 2-6-9																	
8106	12	*24	3	7	2	9002	6	*46	1	6	1	ARP32	6	41	6	5	3	BPM04	6	35	1	7	1
*Normally shows short position 2-6-9						*Normally shows short position 2-7.																	
8113	6	28	8	1	1	9003	6	42	2	1	1	ARP33	6	41	6	5	3	CV131	6	35	6	1	1
*Normal Shorts refer to position of "C" Switch.						*Normally shows short position 8-11.																	
† Do not connect Plate Cap to Adapter.						*Normally shows short position 8-11.																	

▲ Use TC-63 Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter. ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
CV140	6	33	6	2	1	CV493	6	44	6	1	1	CV572	6	40	6	3	3	CV588	6	40	6	10	3
CV216	50	*99	3	5	3	CV511	6	41	6	5	3	CV573	6	40	6	3	3		6	63	6	4	3
*Tube good if it reads 60 or more						CV538						CV574						CV589					
*Normally shows short position 11.						CV544						CV575						CV590					
*Normally shows grid emission.						CV547						*Normally shows short position 8-11.						CV591					
CV283	6	33	6	2	1	CV551	25	36	6	5	3		5	*40	6	4	3	CV592	6	35	6	4	3
CV450	6	29	6	5	3	CV552	25	34	6	5	3		5	*40	6	6	3	CV593	5	*51	6	4	3
CV452	6	39	6	1	1	CV553	25	34	6	5	3	CV578	6	45	6	5	3	*51 6 6 3					
						CV554						CV579						*Normally shows short position 8-11.					
CV453	6	64	6	5	1	CV559	25	34	6	3	3	CV580	6	45	6	5	3	CV594	6	33	5	4	3
CV454	6	35	6	1	1	CV561	35	36	6	5	3	CV581	6	46	6	5	3	CV595	6	33	5	4	3
CV455	12	32	10	2	2	CV562	35	36	6	5	3	CV582	6	46	6	5	3	CV657	6	50	6	10	3
CV491	12	32	10	7	2	CV565	35	31	6	2	4	CV583	6	46	6	5	3	CV660	6	33	6	4	3
CV492	12	40	10	2	2	CV567	35	33	3	5	3	CV586	6	37	6	5	3	CV661	6	35	6	4	3
						CV568						CV587						CV664					
						CV571												*Normally shows short position 2-7.					
																		CV665					
																		6 42 2 1 1					

7867-CV665

*Normal Shorts refer to position of "C" Switch. † Do not connect Plate Cap to Adapter. ▲ Use TC-63 Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter. ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
CV686	50	*85	3	5	3	CV731	6	54	6	5	3	CV779	2	53	6	6	4	CV818	3	*42	5	3	6
*Normally shows short position 11.						CV732	6	32	6	5	8	CV780	2	52	6	6	4	CV819	3	45	9	5	3
*Normally shows grid emission.						CV747	6	33	6	4	3	CV781	1	53	5	6	4	CV820	3	*48	5	3	6
CV694	12	34	5	4	3	CV753	2	*70	2	6	6	*Normally shows short position 2-6.											
CV697	12	35	6	4	3	*Normally shows short position 5-11.						CV782	1	57	5	4	6	CV841	5	*40	6	4	3
CV698	12	35	6	4	3	CV755	1	55	6	5	3	CV783	1	*55	5	3	6	*Normally shows short position 8-11.					
CV700	12	46	6	2	8	CV756	1	55	6	5	3	*Normally shows short position 2-6.											
		68	6	4	8	CV760	1	55	6	5	3	CV784	1	56	6	6	6	CV842	5	*52	6	4	3
		68	6	5	8	CV764	2	54	6	10	3	*Normally shows short position 8-11.											
CV703	6	35	6	5	3	CV768	2	48	6	5	3	CV785	1	55	5	6	6	*Normally shows short position 8-11.					
CV706	6	48	6	10	3	CV770	2	54	6	10	3	CV786	1	54	6	5	3	*Normally shows short position 8-11.					
CV717	5	*45	6	4	3		64	6	4	3	CV797	6	32	5	1	1	CV844	6	40	6	5	3	
*Normally shows short position 8-11.						CV772	1	55	6	4	3	CV805	50	35	6	3	3	CV845	6	40	6	5	3
CV723	3	39	6	5	3		55	6	5	3	CV807	3	35	6	5	3	CV846	6	33	6	4	3	
CV726	35	31	6	2	4	CV773	1	55	6	4	3	*Normally shows short position 2-6.											
CV728	2	53	6	10	3		55	6	5	3	CV808	3	*36	5	4	6	CV848	6	31	2	1	1	
CV729	5	*35	6	4	3	CV775	1	62	6	4	4	CV815	2	43	8	6	4	CV849	6	33	6	4	3
*Normally shows short position 8-11.						CV776	1	55	6	6	4		45	4	3	6	CV850	6	33	2	1	1	
		*35	6	6	3	CV777	1	54	5	6	4		45	4	5	6	CV851	6	35	6	5	3	
						CV778	1	68	6	4	4						CV852	6	41	1	6	1	

*Normal Shorts refer to position of "C" Switch. Use TC-63 Adapter. Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 4B
 † Do not connect Plate Cap to Adapter. Use TC-62-A Adapter. Use TC-70 Adapter.

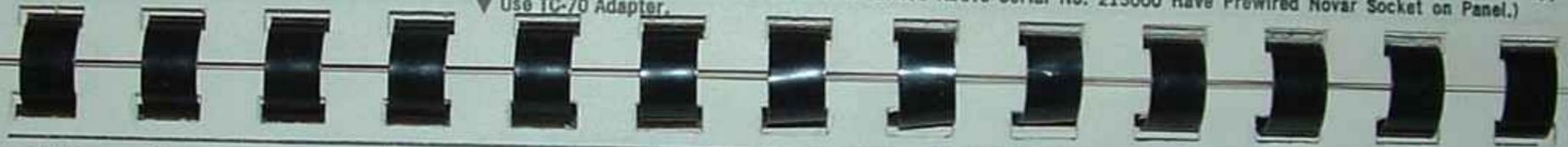


TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
CV858	6	34	6	5	1	CV883	6	42	6	4	4	CV899	6	42	6	5	4	CV939	25	45	6	5	4
CV862	6	34	6	6	1	CV885	6	38	6	6	4	CV900	6	35	6	4	4	CV945	30	40	6	2	4
CV865	6	53	6	5	3	CV886	6	38	6	6	4		72	6	3	4	CV946	30	40	6	7	4	
CV866	6	35	6	4	3	CV887	6	50	4	3	4		72	6	4	4		40	6	7	4		
CV867	6	46	6	2	8		68	4	6	4	CV901	6	45	6	3	4		40	6	7	4		
		68	6	4	8	CV891	6	40	4	3	4		45	6	6	4	CV995	6	36	2	1	1	
		68	6	5	8		69	4	5	4	CV910	12	45	6	5	3	CV1067	6	42	6	5	3	
CV873	6	43	6	3	3	CV892	6	69	4	6	4	CV916	12	48	6	3	3	CV1071	5	*40	6	4	3
		43	6	5	3		47	6	6	4		48	6	5	3		*40	6	6	3			
CV876	6	48	6	3	4		68	6	3	4	CV917	12	50	6	10	3	*Normally shows short position 8-11.						
		48	6	6	4	CV893	6	68	6	4	4	CV918	12	52	6	10	3	CV1074	6	50	6	10	3
CV877	6	45	6	6	4		45	6	4	4	CV919	12	41	6	3	8	CV1268	5	*51	6	4	3	
CV878	6	40	6	4	4	CV894	6	45	6	5	4	CV920	12	41	6	3	8		*51	6	6	3	
CV879	6	40	6	6	4	CV895	6	36	6	6	4	CV921	12	46	6	2	8	*Normally shows short position 8-11.					
CV880	6	52	6	6	4	CV896	6	35	6	6	4		69	6	5	8	CV1280	6	44	6	10	3	
CV881	6	52	6	6	4	CV897	6	45	6	4	4	CV922	12	33	5	4	3	CV1285	6	47	6	4	3
CV882	6	40	4	3	4		65	6	5	4	CV924	12	43	6	1	8		47	6	5	3		
		68	4	5	4		65	6	6	4	CV925	12	44	6	1	8	*Normally shows short position 8-11.						
		68	4	6	4		50	6	4	4		44	6	4	8	CV1301	6	48	6	3	3		
						CV898	6	42	6	4	4		44	6	4	4		48	6	5	3		

*Normal Shorts refer to position of "C" Switch. Use TC-63 Adapter. Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 4C
 † Do not connect Plate Cap to Adapter. Use TC-62-A Adapter. Use TC-70 Adapter.

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	
CV1375	6	33	1	2	2	CV1811	1	58	6	5	3	CV1851	5	47	6	3	8	CV1864	5	*36	6	4	3	
CV1377	5	*30	6	4	3			86	6	10	3			47	6	5	8			*36	6	6	3	
*Normally shows short position 8-11.						*Tube good if it reads 30 or more.						*Normally shows short position 8-11.												
CV1633	12	32	10	2	2	CV1818	1	55	6	10	3	CV1854	5	*51	6	4	3	CV1873	6	35	6	4	3	
		32	10	7	2			96	6	5	3			*51	6	6	3			6	33	6	4	3
CV1649	6	46	6	5	3	CV1819	6	48	6	5	3	*Normally shows short position 8-11.						CV1876	6	54	6	5	3	
CV1741	6	35	6	5	3	CV1820	1	55	6	10	3			5	*51	6	4	3	CV1882	6	62	6	1	3
CV1753	35	34	6	6	4			96	6	5	3			*51	6	6	3	CV1893	6	55	6	10	3	
CV1757	6	42	2	1	1	CV1821	2	53	6	10	3	*Normally shows short position 8-11.						CV1894	6	65	6	4	3	
CV1758	1	55	5	6	6	CV1823	2	53	6	10	3			5	52	6	3	8			65	6	5	3
CV1762	6	43	6	1	1	CV1824	1	48	6	5	3			52	6	5	8			65	6	4	3	
CV1777	6	37	6	6	4	CV1826	1	48	6	5	3	*Normally shows short position 8-11.						CV1895	50	*70	3	5	3	
CV1784	6	32	6	4	3	CV1829	1	54	6	5	3			6	35	1	7	1			65	6	5	3
CV1790	6	50	6	3	4	CV1846	5	*38	6	4	3			5	*36	6	4	3			65	6	4	3
		50	6	6	4			*38	6	6	3	*Normally shows short position 8-11.						CV1902	6	45	6	5	3	
CV1800	1	57	6	5	3	CV1849	5	*52	6	4	3			*36	6	6	3			6	40	6	10	3
CV1802	1	57	6	5	3			*52	6	6	3	*Normally shows short position 8-11.						CV1908	6	40	6	10	3	
CV1803	1	54	6	5	3															6	40	6	10	3
CV1805	1	54	6	5	3															6	40	6	10	3

* Normal Shorts refer to position of "C" Switch.
 † Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket If Wired. (Units Between Serial No. 152001 and 153000 or UNITS Above Serial No. 213000 Have Prewired Novar Socket on Panel.) 47



TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	
CV1911	6	54	6	5	3	CV1943	6	52	6	10	3	CV1963	6	52	6	10	3	CV1988	6	44	6	1	8	
CV1912	6	54	6	5	3	CV1944	6	35	6	5	3			63	6	4	3			44	6	4	8	
CV1926	6	45	6	5	3	CV1945	6	35	6	5	3			63	6	5	3	CV1990	6	42	6	2	8	
CV1928	12	33	2	1	1	CV1946	6	35	6	5	3	CV1964	6	52	6	10	3			71	6	4	8	
CV1929	6	48	6	3	3	CV1947	6	37	6	5	3			63	6	4	3			71	6	5	8	
		48	6	5	3	CV1948	6	37	6	5	3			63	6	5	3	CV1991	6	42	6	2	8	
CV1930	6	48	6	3	3	CV1949	6	43	6	1	1	CV1966	6	37	6	5	3			71	6	4	8	
		48	6	5	3	CV1950	6	44	6	10	3	CV1967	6	37	6	5	3			71	6	5	8	
CV1931	6	48	6	3	3	CV1951	6	44	6	10	3	CV1969	6	48	6	3	8	CV1993	6	46	6	4	3	
		48	6	5	3	CV1956	6	47	6	4	3			48	6	4	8	CV1995	6	52	6	2	8	
CV1932	6	42	6	5	3			47	6	5	3	CV1970	6	48	6	3	8			72	6	4	8	
CV1933	6	42	6	5	3	CV1957	6	47	6	4	3			48	6	4	8			72	6	5	8	
CV1934	6	42	6	5	3			47	6	5	3	CV1972	6	41	6	3	8	CV1996	6	52	6	2	8	
CV1935	6	50	6	10	3	CV1958	6	47	6	4	3	CV1973	6	41	6	3	8			72	6	4	8	
CV1936	6	50	6	10	3			47	6	5	3	CV1974	6	47	6	10	3			72	6	5	8	
CV1937	6	50	6	10	3	CV1959	50	35	2	5	1	CV1975	6	47	6	10	3	CV2128	6	85	6	1	2	
CV1938	6	41	6	5	3	CV1961	12	33	6	1	1	CV1976	6	37	6	5	3			38	6	9	2	
CV1940	6	41	6	5	3	CV1962	6	52	6	10	3	CV1978	6	34	5	4	3	CV2129	6	33	9	9	2	
CV1941	6	52	6	10	3			63	6	4	3	CV1981	6	40	6	4	3	CV2370	3	*48	5	3	6	
CV1942	6	52	6	10	3			63	6	5	3	CV1982	6	40	6	4	3			*Normally shows short position 2-6.				
												CV1985	6	43	6	1	8	CV2390	3	*36	5	4	6	
														43	6	4	8			*Normally shows short position 2-6.				

CV1375-CV2390
 * Normal Shorts refer to position of "C" Switch.
 † Do not connect Plate Cap to Adapter.
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 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket If Wired. (Units Between Serial No. 152001 and 153000 or UNITS Above Serial No. 213000 Have Prewired Novar Socket on Panel.) 48

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	
CV2500	35	33	6	5	3	CV2938	6	35	6	5	3	D63	6	48	6	3	3	DCC90	3	45	4	3	6	
CV2507	1	52	5	6	6	CV2975	6	33	1	2	2	D77	6	33	6	2	1	DD6	6	33	6	2	1	
CV2522	6	35	6	1	1	CV2983	3	45	5	6	6	D152	6	33	6	2	1	DF33	2	53	6	10	3	
CV2524	6	33	6	1	1	CV2984	6	35	6	1	8	D193	3	33	6	7	1	DF91	1	55	5	6	6	
CV2526	6	40	6	1	1	CV3512	6	34	5	6	1	DA90	2	*70	2	6	6	DF92	1	55	5	6	6	
		67	6	5	1	CV3523	6	*38	1	5	3	DA90	2	*70	2	6	6	DF96	1	58	5	6	6	
CV2534	50	34	6	5	3	*Normally shows short position 4-6.		CV3798	50	*70	3	5	3	*Normally shows short position 2-6.		DF97	1	40	5	6	6	6	6	
CV2706	6	53	6	4	4	*Normally shows short position 11.		*Normally shows grid emission.		CV3799	50	*69	3	5	3	DF904	1	52	5	6	6	6	6	
CV2714	6	40	6	5	3	*Normally shows short position 11.		CV4007	6	33	6	2	1	*Normally shows short position 5-11.		DH63	6	40	6	10	3	3	3	
CV2716	6	48	6	3	8	*Normally shows short position 11.		CV4010	6	33	6	7	1	DAF32	1	55	6	10	3	63	6	4	3	3
CV2721	6	*32	8	2	2	*Normally shows short position 1-6-9.		CV4018	6	32	5	1	1	DAF91	1	56	6	6	6	63	6	5	3	3
CV2748	5	*36	6	4	3	*Normally shows short position 8-11.		CV4024	12	32	10	2	2	DAF92	2	55	6	6	6	63	6	4	3	3
CV2769	6	*55	1	5	1	*Normally shows short position 2-7.		D2M9	6	33	6	2	1	DAF96	1	58	6	6	6	63	6	4	3	3
CV2901	6	40	2	9	2	*Normally shows short position 2-3.			33	6	7	1	DC90	1	*70	5	6	6	DH76	12	40	6	10	3
																			DH77	6	39	6	1	1

* Normal Shorts refer to position of "C" Switch. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket If Wired. (Units Between Serial No. 152001 and 153000 or UNITS Above Serial No. 213000 Have Prewired Novar Socket on Panel.)
 † Do not connect Plate Cap to Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.



TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket			
DH107	19	39	6	1	1	DL36	1	48	6	5	3	DY87	1	*95	1	10	7	E90F	6	32	6	1	1			
		64	6	5	1	DL91	1	*55	5	3	6	*Normally shows short position 6-11.		E91AA	6	33	6	2	1	6	33	6	7	1		
DH149	6	50	4	3	4	*Normally shows short position 2-6.		DL92	3	*48	5	3	6	DY802	1	*99	1	10	7	E91H	6	32	6	1	1	
		68	4	5	4	*Normally shows short position 2-6.		DL93	3	*36	5	4	6	*Tube good if it reads 40 or more.		E91N	6	32	5	1	1	6	32	5	1	1
DH710	6	68	4	6	4	DL94	3	*42	5	3	6	Normally shows short position 6-11.		E92CC	6	27	6	6	1	6	27	6	6	1		
		43	6	8	2	*Normally shows short position 2-6.		DL95	3	*42	5	3	6	E235L	6	30	4	5	3	E99F	6	32	6	1	1	
		35	6	2	2	*Normally shows short position 2-6.		DL96	2	48	5	6	6	E55L	6	*25	5	10	8	E180F	6	27	3	2	2	
		35	6	1	2	*Normally shows short position 2-6.		DP61	6	33	2	1	1	*Normally shows short position 2-3.		E80CC	12	42	10	2	2	6	28	9	2	2
		35	6	6	2	*Normally shows short position 2-6.		DY30	1	*96	3	10	3	E80CF	6	42	10	7	2	E188CC	6	28	9	7	2	
DH719	6	43	6	8	2	*Normally shows short position 5-8-11.		DP61	6	33	2	1	1	E80F	6	25	6	2	2	6	24	6	2	2		
		35	6	2	2	*Normally shows short position 5-8-11.		DY80	1	*99	1	10	7	E80L	6	25	6	9	2	E280F	6	22	1	2	2	
DK32	1	57	6	5	3	*Normally shows short position 5-8-11.		*Tube good if reads 20 or more.		E88CC	6	28	6	2	2	EAA91	6	33	6	2	1	6	33	6	2	1
DK91	1	57	5	4	6	*Normally shows short position 6-11.		DY86	1	*95	1	10	7	E80T	6	72	6	2	2	EABC80	6	33	6	7	1	
DK92	1	48	6	4	6	*Normally shows short position 6-11.		*Normally shows short position 6-11.		E81L	6	26	1	2	2	6	43	6	8	2	6	35	6	2	2	
DK96	1	54	6	4	6	*Normally shows short position 6-11.		*Normally shows short position 6-11.		E83F	6	25	6	2	2	6	35	6	1	2	6	35	6	1	2	
DL33	3	45	9	5	3	*Normally shows short position 6-11.		*Normally shows short position 6-11.		E88CC	6	28	6	2	2	6	35	6	6	2	6	35	6	6	2	
DL35	1	54	6	5	3	*Normally shows short position 6-11.		*Normally shows short position 6-11.		E90CC	6	32	6	5	1	6	48	1	3	3	6	48	1	5	3	
						*Normally shows short position 6-11.		*Normally shows short position 6-11.																		

* Normal Shorts refer to position of "C" Switch. ▲ Use TC-63 Adapter. ■ Use TC-62-B Adapter or Novar Socket If Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)
 † Do not connect Plate Cap to Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
CV2500	35	33	6	5	3	CV2938	6	35	6	5	3	D63	6	48	6	3	3	DCC90	3	45	4	3	6
CV2507	1	52	5	6	6	CV2975	6	33	1	2	2	D77	6	48	6	5	3	DD6	6	45	4	5	6
CV2522	6	35	6	1	1	CV2983	3	45	5	6	6	D152	6	33	6	2	1	DF33	2	33	6	7	1
CV2524	6	33	6	1	1	CV2984	6	35	6	1	8	D193	6	33	6	7	1	DF91	2	53	6	10	3
CV2526	6	40	6	1	1							DA90	3	33	6	7	1	DF92	1	55	5	6	6
		67	6	5	1	CV3512	6	34	5	6	1	DA90	1	36	5	4	6	DF96	1	55	5	6	6
CV2534	50	34	6	5	3	CV3523	6	*38	1	5	3	DA90	2	*70	2	6	6	DF97	1	58	5	6	6
CV2706	6	53	6	4	4	*Normally shows short position 4-6.						DF904	1	40	5	6	6	DH63	1	40	5	6	6
CV2714	6	40	6	5	3	CV3798	50	*70	3	5	3	*Normally shows short position						DH63	6	40	6	10	3
CV2716	6	48	6	3	8	*Normally shows grid emission.						DAC32	5-11.	55	6	10	3	DH74	6	63	6	4	3
CV2721	6	48	6	4	8	CV3799	50	*69	3	5	3	DAF91	1	96	6	5	3	DH74	12	63	6	5	3
		*32	8	2	2	*Normally shows short position 11.						DAF92	1	95	6	3	6	DH76	12	40	6	10	3
		*Normally shows short position 1-6-9.				CV4007	6	33	6	2	1	DAF96	2	70	6	4	6	DH76	12	63	6	4	3
CV2748	5	*36	6	4	3	CV4010	6	33	6	7	1	DC90	1	70	6	3	6	DH77	6	63	6	5	3
		*36	6	6	3	CV4018	6	32	5	1	1	*Normally shows short position 2-3.											
		*Normally shows short position 8-11.				CV4024	12	32	10	2	2												
CV2769	6	*55	1	5	1	D2M9	6	33	6	2	1												
		*Normally shows short position 2-7.																					
CV2901	6	40	2	9	2																		

* Normal Shorts refer to position of "C" Switch.
 † Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)



TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
DH107	19	39	6	1	1	DL36	1	48	6	5	3	DY87	1	*95	1	10	7	E90F	6	32	6	1	1
		64	6	5	1	DL91	1	*55	5	3	6	*Normally shows short position 6-11.						E91AA	6	33	6	2	1
DH149	6	64	6	6	1	*Normally shows short position 2-6.						DY802	1	*99	1	10	7	E91H	6	33	6	7	1
		50	4	3	4	DL92	3	*48	5	3	6	*Tube good if it reads 40 or more.						E91N	6	32	6	1	1
		68	4	5	4	*Normally shows short position 2-6.						E92CC	6	27	6	6	1	E99F	6	32	5	1	1
DH710	6	68	4	6	4	DL93	3	*36	5	4	6	Normally shows short position 6-11.						E180F	6	27	3	2	2
		43	6	8	2	*Normally shows short position 2-6.						E80CC	12	42	10	2	2	E182CC	6	28	9	2	2
		35	6	2	2	DL94	3	45	5	6	6							E188CC	6	28	9	7	2
		35	6	1	2	DL95	3	*42	5	3	6	E80CF	6	42	10	7	2	E280F	6	24	6	2	2
		35	6	6	2	*Normally shows short position 2-6.						E80F	6	25	6	2	2	EAA91	6	24	6	7	2
DH719	6	43	6	8	2	DL96	2	48	5	6	6	E80L	6	25	6	9	2	EABC80	6	22	1	2	2
		35	6	2	2	DP61	6	33	2	1	1	E80T	6	29	1	2	2						
		35	6	1	2	DY30	1	*96	3	10	3	E81L	6	72	6	2	2						
		35	6	6	2	*Normally shows short position 5-8-11.						E83F	6	26	1	2	2						
DK32	1	57	6	5	3	*Normally shows short position 6-11.						E88CC	6	25	6	2	2						
DK91	1	57	5	4	6	DY80	1	*99	1	10	7												
DK92	1	48	6	4	6	*Tube good if reads 20 or more.						E90CC	6	28	6	2	2						
DK96	1	54	6	4	6	*Normally shows short position 6-11.																	
DL33	3	45	9	5	3	DY86	1	*95	1	10	7												
DL35	1	54	6	5	3	*Normally shows short position 6-11.																	

CV2500-EB34
 *Normal Shorts refer to position of "C" Switch.
 †Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
EB91	6	33	6	2	1	EC90	6	41	1	6	1	ECC88	6	31	6	2	2	ECF801	6	24	3	2	2
EBC90	6	33	6	7	1	EC91	6	*29	7	1	1	ECC89	6	31	6	7	2	ECF802	6	26	3	9	2
		64	6	5	1	*Normally shows short position 2-5.						ECC91	6	29	6	2	2	ECF-805	6	29	6	2	2
		64	6	6	1	EC92	6	30	6	6	1	ECC91	6	29	2	6	2		6	34	6	9	2
EBC91	6	40	6	1	1	EC95	6	33	1	2	1		6	34	6	5	1		6	33	9	9	2
		67	6	5	1	EC97	6	33	1	2	1	ECC189	6	34	6	6	1		6	30	9	7	2
		67	6	6	1	EC900	6	27	2	1	1	ECC801S	12	30	6	2	2		6	85	6	1	2
EBF80	6	37	6	2	2	ECC35	6	43	6	1	8		12	30	6	7	2		6	38	6	9	2
		64	6	7	2	ECC81	12	43	6	4	8		12	32	10	2	2		6	30	6	2	2
		64	6	8	2		12	32	10	2	2	ECC802S	12	32	10	7	2		6	34	6	9	2
EBF83	6	31	6	2	2	ECC82	12	32	10	7	2	ECC808	6	40	10	2	2		6	26	6	2	2
		62	6	7	2	ECC83	12	40	10	2	2	ECC960	6	40	10	7	2		6	33	6	9	2
		62	6	8	2	ECC84	6	40	10	7	2	ECF80	6	36	6	1	2		6	37	6	9	2
EBF89	6	33	6	2	2	ECC85	6	42	10	2	2	ECF82	6	36	6	9	2		6	44	6	2	2
		60	6	7	2	ECC86	6	42	10	7	2	ECF86	6	32	6	5	1		6	33	6	3	2
		60	6	8	2		6	33	8	2	2		6	32	6	6	1		6	39	6	1	2
EC81	6	35	6	1	2		6	33	8	6	2		6	31	6	2	2		6	25	6	8	2
EC86	6	29	3	6	7		6	32	6	2	2		6	34	6	9	2		6	25	6	1	2
EC88	6	*85	7	8	2		6	32	6	7	2		6	33	6	2	2		6	29	6	9	2
*Normally shows short position 1-3-7-9							6	33	6	2	2		6	33	6	9	2		6	29	6	2	2
							33	6	7	2			6	24	3	2	2		6	26	6	8	2
													6	25	1	6	2		6	30	6	1	2

*Normal Shorts refer to position of "C" Switch.
‡ Do not connect Plate Cap to Adapter.

▲ Use TC-63 Adapter.
□ Use TC-62-A Adapter.
▼ Use TC-70 Adapter.

■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)

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TYPE TUBE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
ECLL800	6	*99	6	1	2	EF96	6	31	2	1	1	EL86	6	*30	1	2	2	ELL80	6	29	6	2	2
		35	6	2	2	EF98	6	30	6	1	1	*Normally shows short position 7-8.						EM-87	6	*55	2	1	2
		35	6	6	2	EF183	6	30	3	2	2	EL90	6	35	1	7	1	*Normally shows short position 6-8.					
*Tube good if it reads 20 or more.						EF184	6	29	3	2	2	EL91	6	34	6	1	1	EN93	6	43	6	1	1
ED2	6	33	6	2	1	EF804	6	39	2	9	2	EL95	6	34	1	7	1	EQ80	6	33	3	7	2
		33	6	7	1	EF-80GS	6	40	2	9	2	EL-500	6	*26	4	5	18	EY81	6	30	2	9	2
ED500	6	**54	6	10	8	EH90	6	35	6	1	1	*May show short position 1-2-6-10.						EY82	6	29	6	9	2
**Connect Plate Cap to Adapter.						EH-900S	6	42	6	1	1	*Connect plate cap lead to the tube.						EY86	6	*95	1	10	7
*Normally shows short position 1-2-3-5-6.						EK90	6	35	6	1	1	EL503	6	*31	7	2	18	*Normally shows short position					
EF22	6	36	6	6	4	EL34	6	35	6	5	3	*Normally shows short position						6-11.					
EF80	6	33	1	2	2	EL36	6	*32	4	5	3	1-4-5-10.						EY87	6	*98	1	10	7
EF85	6	33	1	2	2	*Normally Shows Short Position 3-8.						EL-505	6	*26	11	4	8	*Normally shows short position 6-11					
EF86	6	40	2	9	2	EL37	6	37	6	5	3	*Normally shows short position						EY88*	6	27	7	3	7
EF89	6	34	1	2	2	EL38	6	29	6	5	3	1-2-5-6.						*If no test, use alternate settings.					
EF91	6	30	6	1	1	EL81	6	*32	8	2	2	EL508	6	28	11	4	18	EY88	6	27	3	7	7
EF92	6	35	6	1	1	*Normally shows short position 1-6-9.						EL802	6	*29	7	2	2	*Normally shows short position 3-9.					
EF93	6	33	2	1	1	EL82	6	71	2	9	2	EL803	6	30	6	2	2	EY500	6	**26	2	5	18
EF94	6	33	6	1	1	EL83	6	30	6	2	2	EL820	6	*32	8	2	2	**Use only TC-62B Adapter.					
EF95	6	33	2	1	1	EL84	6	33	1	2	2	*Normally shows short position						EZ35	6	40	6	3	3
EB91-EZ80						EL85	6	*39	1	2	2	1-6-9.						EZ80	6	40	6	1	2
						*Normally shows short position 6-8.						EL821	6	28	6	2	2	40 6 7 2					

*Normal Shorts refer to position of "C" Switch.
‡ Do not connect Plate Cap to Adapter.

▲ Use TC-63 Adapter.
□ Use TC-62-A Adapter.
▼ Use TC-70 Adapter.

■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)

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TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	
EZ81	6	34	6	1	2	HABC80	19	43	6	8	2	HM04	6	35	6	1	1	LCL85	10	29	6	9	2	
EZ90	6	44	6	1	1			35	6	2	2	HY90	35	33	7	5	1	LF183	4	30	3	2	2	
G180/ZM	50	*99	3	5	3	HBC90	12	35	6	6	2	KT32	25	34	6	5	3	LF184	4	29	3	2	2	
								39	6	1	1	KT63	6	54	6	5	3	LL86	10	*30	1	2	2	
												KT66	6	39	6	5	3							
						HBC91	12	64	6	5	1	KT88	6	35	6	5	3							
								64	6	6	1	KTZ63	6	50	6	10	3							
								40	6	1	1	L63	6	42	6	5	3							
								67	6	5	1	L77	6	41	1	6	1							
								67	6	6	1	LC900	3	27	2	1	1							
						HCC85	17	32	6	2	2	LCF80	6	31	6	2	2							
								32	6	7	2			34	6	9	2							
						HCH81	12	32	6	2	2	LCF801	5	24	3	2	2							
								35	6	9	2			26	3	9	2							
						HD14	1	55	6	10	3	LCF-802	6	29	6	2	2							
								96	6	5	3			34	6	9	2							
						HF93	12	33	2	1	1	LCL80	4	37	6	9	2							
						HF94	12	33	6	1	1			44	6	2	2							
						HK90	12	35	6	1	1	LCL82	11	33	6	3	2							
						HL90	19	35	1	7	1			39	6	1	2							
						HL92	50	35	2	5	1	LCL84	10	25	6	8	2							
						HL94	29	27	5	2	1			25	6	1	2							

*Normal Shorts refer to position of "C" Switch.
 †Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)



TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	
LY88	22	27	3	7	7	NR67	6	44	6	10	3	OSW3106	6	41	6	5	3	PCC89	7	29	2	6	2	
LY500	28	**26	2	5	18	NR78	6	46	6	5	3	OSW3108	6	37	6	5	3	PCC189	7	29	6	2	2	
						NR78A	6	42	6	5	3	OSW3109	6	48	6	3	3							
						NR81	6	52	6	10	3			48	6	5	3							
						NR83	6	50	6	10	3	OSW3111	6	40	6	4	3	PCF80	9	31	6	2	2	
						NR85	6	54	6	5	3	OSW3112	6	42	6	5	3							
						NR95	25	34	6	5	3	PABC80	9	43	6	8	2	PCF82	9	34	6	9	2	
						NU20	5	*51	6	4	3			35	6	2	2	PCF82	9	33	6	2	2	
								*51	6	6	3			35	6	1	2	PCF86	7	33	6	9	2	
														35	6	6	2							
						OBC3	12	42	6	2	8	PC86	4	29	3	6	7	PCF801	8	24	3	2	2	
								71	6	4	8	PC88	4	*85	7	8	2							
								71	6	5	8							PCF802	9	26	3	9	2	
						OF1	6	47	6	10	3													
						OH4	12	45	6	5	3													
						OSW2190	6	33	6	4	3													
						OSW2192	6	32	6	4	3													
						OSW2600	6	33	6	4	3													
						OSW2601	6	32	6	4	3													
						OSW3105	6	42	6	2	8													
								71	6	4	8													
								71	6	5	8													

EZ81-PCL85

* Normal Shorts refer to position of "C" Switch.
 † Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter.
 □ Use TC-62-A Adapter.
 ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket						
PCL86	14	26	6	8	2	PL505	40	*26	11	4	8	PY88*	30	27	7	3	7	QV06/20	6	*38	1	5	3						
PD500	9	**54	6	10	8	PL508	17	28	11	4	18	PY88	30	27	3	7	7	R52	5	*36	6	4	3						
**Connect Plate Cap to Adapter. *Normally shows short position 1-2-3-5-6.						PL509	30	*26	11	4	8	PY500	42	**26	2	5	18	*Normally shows short position 4-6. *36 6 6 3 *Normally shows short position 8-11.											
PF9	6	52	6	10	3	*Normally shows short position 1-2-5-6.						QA240	6	41	1	6	1	QA2404	6	33	6	2	1	SN7	1	*96	3	10	3
PF86	4	35	2	9	2	PL521	29	*25	1	4	18	QA2406	12	32	10	2	2	*Normally shows short position 5-8-11.											
PH4	6	45	6	5	3	*Normal shows short position 1-2-5-6.						QA2407	6	44	6	1	1	QA2408	6	44	6	1	8	SP6	6	30	6	1	1
PL36	25	27	6	5	3	PL802	16	*29	7	2	2	QA2407	6	44	6	6	1	QA2408	6	44	6	4	8	T2M05	6	34	6	5	1
PL81	19	*32	8	2	2	PL820	19	*32	8	2	2	QA2407	6	44	6	6	1	QA2408	6	44	6	4	8	TS51	6	33	2	1	1
*Normally shows short position 1-6-9.						PM04	6	33	2	1	1	QE03/10	6	33	9	9	2	TS52	6	34	6	5	1	TS-876C	6	*28	1	2	2
PL82	16	71	2	9	2	PM05	6	33	2	1	1	QE05/40	6	*38	1	5	3	*Normally shows short position 3-9.											
PL83	12	30	6	2	2	PY32	29	25	7	3	3	QS150/40	50	*99	3	5	3	U50	5	*51	6	4	3	*Normally shows short position 3-9.					
PL84	15	*30	1	2	2	PY80	19	29	6	9	2	*Tube good if it reads 60 or more. *Normally shows short position 11.																	
*Normally shows short position 7-8.						PY81	17	30	2	9	2	*Normally shows grid emission.																	
PL-500	28	*26	4	5	18	PY82	19	29	6	9	2	*Normally shows short position 11.																	
*May show short position 1-2-6-10. *Connect plate cap lead to the tube.																													

*Normal Shorts refer to position of "C" Switch. Use TC-63 Adapter. Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 55
 † Do not connect Plate Cap to Adapter. Use TC-62-A Adapter. Use TC-70 Adapter.



TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket						
U52	5	*40	6	4	3	UAA91	19	33	6	2	1	UU12	6	34	6	1	2	VR-150	50	*99	3	5	3						
*Normally shows short position 8-11.						UABC80	30	43	6	8	2	UY82	50	29	6	9	2	*Tube good if it reads 60 or more. *Normally shows short position 11.											
U54	5	*30	6	4	3		35	6	2	2	UY85	38	35	1	6	7	V2M70	6	44	6	1	1	VT52	7	41	6	5	3	
*Normally shows short position 8-11.						UBF80	17	30	6	2	2	V-884	6	35	6	1	1	VP6	6	35	6	1	1	*Normally shows grid emission.					
U78	6	44	6	1	1	UCC84	22	33	8	2	2	VP1321	12	*55	1	5	1	*Normally shows short position 2-7.											
*Normally shows short position 8-11.						UCC85	25	32	6	2	2	VR-75	50	*70	3	5	3	VT65	6	46	6	5	3	*Normally shows short position 8-11.					
U147	6	40	6	3	3	UCF80	25	31	6	2	2	VT66	6	54	6	5	3	VT74	5	*36	6	4	3	*Normally shows short position 8-11.					
U149	6	45	6	3	4	UCH81	19	32	6	2	2	VT74	5	*36	6	4	3	*Normally shows short position 8-11.											
U153	17	30	2	9	2	UCL82	50	33	6	3	2	VT86	6	52	6	10	3	VT87	6	44	6	10	3	*Normally shows short position 8-11.					
U154	19	29	6	9	2	UF86	12	40	2	9	2	VT88	6	52	6	10	3	VT88	6	52	6	10	3	*Normally shows short position 11.					
U192	19	29	6	9	2	UF89	12	34	1	2	2	VT90	6	48	6	3	3	VT90	6	48	6	3	3	*Normally shows short position 11.					
U709	6	34	6	1	2	UL84	50	33	1	2	2	VT91	6	50	6	10	3	VT91	6	50	6	10	3	*Normally shows grid emission.					
*Normally shows short position 11.																													

PCL86-VT93
 *Normal Shorts refer to position of "C" Switch. Use TC-63 Adapter. Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 56
 † Do not connect Plate Cap to Adapter. Use TC-62-A Adapter. Use TC-70 Adapter.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
VT94	6	42	6	5	3	VT114	5	*38	6	4	3	X727	6	35	6	1	1	XF85	3	33	1	2	2
VT96	6	47	6	4	3			*38	6	6	3	XB767A	6	34	6	5	3	XF183	3	30	3	2	2
VT-97	5	*52	6	4	3	*Normally shows short position 8-11.						XC95	2	33	1	2	1	XF184	3	29	3	2	2
		*52	6	6	3	VT115	6	37	6	5	3	XC97	2	33	1	2	1	XL36	12	*25	9	5	3
												XC900	2	27	2	1	1	*Normally shows short position 1-4.					
						VT116	6	35	6	4	3	XCC189	4	30	6	2	2	XL84	8	33	1	2	2
VT99	6	45	6	5	3	VT117	6	40	6	4	3			30	6	7	2	XL86	8	*30	1	2	2
		45	6	10	3	VT124	1	55	6	5	3	XCF80	4	31	6	2	2	*Normally shows short position 7-8.					
VT102	6	41	6	5	3	VT125	1	54	6	5	3			34	6	9	2	XL500	13	*26	4	5	8
VT103	6	42	6	2	8	VT126	6	40	6	3	3	XCF86	5	24	3	2	2	*Connect plate cap lead to the tube.					
		71	6	4	8			40	6	5	3			25	1	6	2	*May show short position 1-2-6-10.					
		71	6	5	8	VT134	12	45	6	5	3	XCF801	4	24	3	2	2	XXD	12	41	6	4	4
VT104	12	42	6	2	8	W17	1	55	5	6	6			26	3	9	2			41	6	5	4
		71	6	4	8	W77	6	35	6	1	1	XCH81	3	85	6	1	2	XXFM	6	43	6	3	4
		71	6	5	8	W149	6	45	6	6	4			38	6	9	2			36	6	5	4
VT105	6	48	6	3	8	W719	6	33	1	2	2	XCL82	8	33	6	3	2			35	6	6	4
		48	6	4	8	W727	6	33	2	1	1			39	6	1	2	XXL	6	41	6	6	4
VT107	6	41	6	5	3	X63 (M)	6	45	6	5	3	XCL84	8	25	6	8	2	XY88*	16	30	7	3	7
VT112	6	33	6	4	3	X73 (M)	6	45	6	5	3			25	6	1	2	*If no test, use alternate settings.					
						X107	19	35	6	1	1	XCL85	18	29	6	9	2	XY88	16	30	3	7	7
						X155	6	30	6	2	2			29	6	2	2	YF183	4	30	3	2	2
								30	6	7	2	XF80	3	33	1	2	2	YF184	4	29	3	2	2

*Normal Shorts refer to position of "C" Switch. † Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 57



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	
Z14	2	53	6	10	3	ZD17	1	*55	5	3	6	ZD151	6	37	6	2	2	ZD152	6	37	6	2	2	
Z63	6	50	6	10	3	*Normally shows short position 2-6.								64	6	7	2			64	6	7	2	
Z152	6	33	1	2	2	ZD25	1	58	6	6	6			64	6	8	2							
Z719	6	33	1	2	2			70	6	3	6													
Z729	6	40	2	9	2																			

VT94-ZD152

*Normal Shorts refer to position of "C" Switch. † Do not connect Plate Cap to Adapter.
 ▲ Use TC-63 Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter.
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 58

B&K **DYNA-QUIK**
TUBE SELECTOR