



DYNA JET

TUBE SELECTOR

INSTRUCTIONS FOR MODEL 606 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.

NOTE: DO NOT PUSH MAGNOVAR TUBES INTO THE SOCKET ALL THE WAY.

497-013-0172 RR WERNER

TUBE TYPE	A	B	C	TUBE TYPE	A	B	C	TUBE TYPE	A	B	C	TUBE TYPE	A	B	C						
3GY5	3	*25	5	9	3	43	8	6	4	4	35	6	1	1	4CM4	4	29	3	6	7	
*Normally shows short position 1-3-4-7-10.																					
3HA5	3	27	2	1	1	35	6	1	1	4	31	6	2	2	4CS6	4	35	6	1	1	
*Normally shows short position 1-3-4-6-8-10.																					
3HE7	3	25	11	9	3	35	6	1	1	4	34	6	9	2	4CY5	4	35	2	1	1	
3HF5	3	*25	10	5	3	42	5	3	6	4	*33	2	7	2	4DE6	4	30	6	1	1	
*Normally shows short position 1-3-4-6-8-10.																					
3HK5	3	27	2	1	1	45	5	6	6	4	33	6	2	2	4DK6	4	33	6	6	1	
3HM5	3	27	2	1	1	37	6	9	2	*Normally shows short position 1-6.											
3HM6	3	24	3	2	2	44	6	2	2	4	99	6	5	1	4DL4	4	*85	7	8	2	
3HQ5	3	29	2	1	1	4	33	6	7	4	32	6	2	2	*Normally shows short position 1-3-7-9.						
3HS8	3	30	6	7	2	4	33	6	7	4	32	6	2	2	4DT6	4	33	6	1	1	
3HT6	3	28	3	2	2	4	31	6	7	4	32	6	2	2	4EH7	4	30	3	2	2	
3IC6	3	26	3	2	2	4	40	6	1	4	32	6	7	2	4EJ7	4	29	3	2	2	
3IC6A	3	26	3	2	2	78	6	5	1	4	31	6	1	1	4ER5	4	33	1	2	1	
3ID6	3	26	1	2	2	4	33	6	7	4	32	6	2	2	4ES8	4	30	6	2	2	
3KF8	3	38	6	7	2	4	33	2	1	4	30	6	2	2	4EW6	4	29	6	1	1	
3KT6	3	25	1	2	2	4	35	2	1	4	30	6	7	2	4GJ7	4	24	3	2	2	
3L35	3	*36	5	4	6	4	33	6	2	4	33	6	1	1	4GK5	4	25	1	2	1	
*Normally shows short position 2-6.																					

Normal shorts refer to position of "C" switch.



TUBE TYPE	A	B	C	TUBE TYPE	A	B	C	TUBE TYPE	A	B	C	TUBE TYPE	A	B	C					
4GW5	4	25	2	6	4	26	3	2	2	4	27	6	2	2	5AT8	5	33	6	9	2
4GX6	4	25	6	1	1	4	26	3	2	4	27	6	7	2	5AU4	5	*43	6	4	3
4GX7	4	26	3	2	2	4	26	1	2	4	86	6	1	2	*Normally shows short position 8-11.					
4GZ5	4	26	3	9	2	4	25	6	1	5	90	6	6	2	5AV8	5	32	6	6	2
4HA5	4	26	2	5	1	4	26	6	1	5	*33	2	6	1	5AW4	5	*42	6	4	3
4HA7	4	35	5	9	9	4	26	6	2	5	31	6	1	9	*Normally shows short position 8-11.					
4HC7	4	*40	5	9	9	4	26	6	9	5	31	6	6	9	5AZ4	5	*53	6	4	4
*Normally shows short position 7-10.																				
4HG8	4	24	3	2	2	4	26	6	2	5	30	6	2	2	5BC3	5	40	6	5	11
4HM5	4	27	2	1	1	4	*95	3	2	4	32	6	2	2	5BE8	5	*33	6	9	2
4HM6	4	24	3	2	2	4	*93	3	7	2	35	1	7	1	*Normally shows short position 8-11.					
4HQ5	4	29	2	1	1	4	30	6	1	5	*30	6	6	3	5B8	5	*32	6	6	2
4HR8	4	35	2	9	2	4	30	6	7	2	30	6	4	3	*Normally shows short position 1.					
4HS8	4	30	6	7	2	4	34	6	7	2	38	6	4	3	5C3	5	40	6	9	11
4HT6	4	28	3	2	2	4	34	6	1	1	38	6	6	3	5E8	5	*33	6	9	2
*Normally shows short position 8-11.																				
3GY5-5BE8	4	28	3	2	2	4	34	6	1	1	31	6	2	2	*Normally shows short position 3.					
*Normally shows short position 3.																				

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heats	A	B	O	Socket	TUBE TYPE	Heats	A	B	O	Socket	TUBE TYPE	Heats	A	B	O	Socket	TUBE TYPE	Heats	A	B	O	Socket			
6AC10	6	30	6	1	9	6AG11	6	28	6	8	9	6AK8	6	43	6	8	2	6AM8	6	30	6	2	2			
6AD7	6	30	6	7	9			28	6	5	9			35	6	2	2			6	30	6	8	2		
6AD10	6	30	6	9	9			34	6	10	9			35	6	1	2			6	*30	2	6	1		
6AF3	6	54	6	5	3	6AH4	6	34	6	3	9	6AK9	6	30	6	6	2				*Normally shows short position 1-7.	6	33	2	1	
6AF4	6	62	6	1	3			33	6	1	3			40	7	3	9			6	55	6	2	6		
6AF9	6	30	6	3	9	6AH6	6	32	6	1	8	6AK10	6	30	6	7	9					6	55	6	3	6
6AF11	6	30	6	8	9	6AH7	6	48	6	1	8			30	6	8	9					6	55	6	4	6
6AG5	6	31	6	6	9	6AH9	6	48	6	5	8			30	6	1	9					6	55	6	6	6
6AG7	6	31	6	6	9			37	5	2	9			30	6	6	9					6	55	6	5	6
6AG9	6	35	6	6	3	6AJ5	6	30	5	6	9	6AL3*	6	27	7	3	7			6	32	6	2	2		
6AG5	6	31	2	1	13	6AJ7	6	36	2	1	1			27	7	3	7				6	*29	7	1		
6AG7	6	32	1	4	3	6AJ8	6	33	6	4	3			27	3	7	7									
6AG9	6	30	6	5	9	6AJ9	6	85	6	1	2	6AL3	6	27	3	7	7									
6AG5	6	31	6	6	9			38	6	9	2	6AL5	6	33	6	2	1									
6AG7	6	31	6	6	9	6AK5	6	29	6	3	13	6AL9	6	33	6	7	1									
6AG9	6	31	2	1	1			33	6	10	13			6	30	6	5	9								
6AG5	6	32	1	4	3	6AK6	6	33	2	1	1	6AL9	6	28	6	1	9									
6AG9	6	30	6	5	9	6AK7	6	43	6	1	1	6AL11	6	31	6	3	9			6	45	6	6	1		
6AG5	6	28	6	6	1			32	6	4	3	6AM5	6	27	6	8	9									
6AG5	6	30	6	6	1			32	6	6	1	6AM6	6	34	6	1	1									
6AG8	6	32	6	2	2			30	6	6	1	6AO8	6	30	6	1	1									

Normal shorts refer to position of "C" switch.

6AC10-6BC5

TUBE TYPE	Heats	A	B	O	Socket	TUBE TYPE	Heats	A	B	O	Socket	TUBE TYPE	Heats	A	B	O	Socket	TUBE TYPE	Heats	A	B	O	Socket	
6AR5	6	47	6	1	1	6AU6	6	33	6	1	2	6AX7	6	42	10	2	2	6B10	6	43	6	3	9	
6AR8	6	30	6	5	9	6AU7	6	40	10	7	2	6AX8	6	42	10	7	2	6B10	6	43	6	5	9	
6AR11	6	28	6	10	9	6AU8	6	40	10	7	2	6AX3	6	33	6	2	2	6B32	6	34	6	8	9	
6AS5	6	36	2	5	1			31	6	2	2	6AY3	6	33	6	9	2	6B31	6	34	6	10	9	
6AS6	6	35	6	1	1	6AV5	6	32	6	2	2	6AY3B	6	30	8	2	10	6B31	6	33	6	2	1	
6AS7	6	35	6	4	8	6AV6	6	33	6	1	3	6AY11	6	30	6	5	9	6B32	6	33	6	2	1	
6AS8	6	31	6	2	2	6AV11	6	78	6	5	1			30	6	8	9	6B32	6	33	6	7	1	
6AS11	6	32	6	6	2			78	6	6	1	6AZ8	6	30	6	3	9	6BA3	6	36	8	2	10	
6AT6	6	39	6	1	1	6AW8	6	35	6	1	9	6B4	6	32	6	10	9	6BA6	6	33	2	1	1	
6AT8	6	33	6	6	1	6AX2	6	*99	6	1	7	6B6	6	37	6	4	3	6BA7	6	33	6	2	2	
6AU4	6	33	1	5	8			35	6	7	9			36	6	6	2	6BA8	6	31	6	7	2	
6AU5	6	40	6	1	3			35	6	9	9	6B8	6	35	6	5	3	6BA8	6	37	6	4	9	
6AC10-6BC5	6	72	6	6	1			32	6	2	2	6B8	6	37	6	10	3	6BA11	6	29	6	4	9	
	6	33	6	9	2			33	6	1	7			58	6	4	3	6B-B14	6	33	2	1	10	
	6	35	6	1	2			34	4	10	9			58	6	10	3			*Normally shows short position 3-6-7-8.	6	28	3	7
	6	33	1	5	8			35	6	5	8			75	6	6	4	3						
	6	40	6	1	3			53	6	3	3			75	6	6	5	3						

Normal shorts refer to position of "C" switch.

◆ Use TC-80 Adapter

TUBE TYPE	Heater			TUBE TYPE	Heater			TUBE TYPE	Heater			TUBE TYPE	Heater			TUBE TYPE	Heater		
	A	B	O		A	B	O		A	B	O		A	B	O		A	B	O
6BC7	6	32	6	6BF6	6	50	6	6BJ7	6	33	6	6BL8	6	31	6	6	31	6	
6BC8	6	32	6	6BF8	6	78	6	6BK4Δ	6	87	6	6BM8	6	34	6	6	34	6	
6BC32	6	40	6	6BF11	6	32	6	6BK4AΔ	6	87	6	6BN4	6	33	6	6	33	6	
6BD5	6	67	6		6	32	6	6BK4BΔ	6	87	6		6	39	6		39	6	
6BD6	6	43	6		6	25	6	6BK5	6	37	6		6	33	6		33	6	
6BD11	6	26	6		6	25	6	6BK6	6	39	6		6	35	6		35	6	
6BE3	6	31	6	6BG6	6	40	6	6BK11	6	42	6	6BQ5	6	35	6	6	35	6	
6BE6	6	26	6	6BH3	6	30	6	6BQ6	6	32	6	6BR3	6	30	6	6	30	6	
6BE7	6	33	6	6BH3A	6	30	6	6BQ7	6	42	6	6BR8	6	32	6	6	32	6	
6BF5	6	39	6	6BH6	6	33	6	6BL4	6	31	6		6	32	6	6	32	6	
				6BH8	6	34	6	6BL7	6	36	6		6	32	6	6	32	6	
				6BH11	6	27	6		6	36	6	6BS3	6	31	6	6	31	6	
				6BJ3	6	26	6		6	34	6		6	27	6	6	27	6	
				6BJ6	6	34	6		6	34	6		6	27	6	6	27	6	

Normal shorts refer to position of "C" switch.

ΔUse TC-75 Adapter.



TUBE TYPE	Heater			TUBE TYPE	Heater			TUBE TYPE	Heater			TUBE TYPE	Heater				
	A	B	O		A	B	O		A	B	O		A	B	O		
6BS3A	6	27	8	6BW4	6	50	6	6BZ6	6	31	6	6CB5	6	35	4	5	3
6BS8	6	32	6	6BW6	6	50	6	6BZ7	6	32	6		6	1-3-6-8			
6BT6	6	39	6	6BW8	6	33	6	6BZ8	6	30	6	6CB6	6	33	6	1	1
					6	34	8		6	30	6	6CC10	6	44	6	1	8
6BT8	6	72	6	6BW11	6	34	8	6C4	6	41	6	6CD3	6	44	6	4	8
					6	30	6	6C5	6	46	6		6	27	4	10	9
6BU6	6	57	6	6BX6	6	33	6	6C8	6	45	6		6	33	6	1	1
				6BX7	6	36	6	6C9	6	45	6		6	26	4	10	9
					6	36	6		6	28	7	6CD6	6	33	6	5	3
6BU8	6	78	6	6BX8	6	36	6	6C10	6	28	11	6CE3	6	27	4	10	9
6BV8	6	31	6	6BY5	5	38	6		6	42	6	6CE5	6	35	2	1	1
					6	38	6	6CA4	6	42	6	6CF6	6	33	6	1	1
6BV11	6	27	6	6BY6	6	35	6		6	34	6	6CG3	6	26	4	10	9
				6BY7	6	33	6		6	34	6	6CG7	6	45	6	2	2
6BW3	6	28	4	6BY8	6	34	6	6CA5	6	34	6	6CH8	6	45	6	7	2
				6BY11	6	32	6	6CA7	6	35	6		6	30	3	9	2
					6	32	6	6CA11	6	35	9	6CH3	6	26	2	7	10
6BC7-6CH8				6BZ3	6	28	4		6	33	8	6CH6	6	28	6	2	2
					6	28	4		6	33	8	6CH8	6	33	6	7	2
													6	36	6	8	2

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	
6CJ3	6	25	8	2	10	6CM8	6	33	6	2	6CU8	6	32	1	7
6CJ6	6	*32	8	2	2	6CN6	6	29	6	5	6CW4	6	*87	6	2
*Normally shows short position 1-6-9.															
6CK3	6	25	8	2	10	6CN7	6	44	10	7	2	*For grid emission turn C switch to position 4.			
6CK4	6	34	1	3	3	6CQ4	6	32	6	5	6CW5	6	*30	1	2
6CK6	6	30	6	2	2	6CQ6	6	35	6	1	6CW7	6	33	8	2
6CL3	6	27	2	7	10	6CQ8	6	33	6	2	*May show short position 6-7-8-9.				
6CL5	6	*35	4	5	3	6CR6	6	39	6	6	6	33	8	2	2
*Normally shows short position															
6CL6	1-3-6-8.	6	*32	2	9	6CR8	6	72	6	2	6CX8	6	33	6	7
*Normally shows short position 3-8.															
6CL8	6	32	6	9	2	*Normally shows short position 8.									
6CM3	6	30	2	7	10	6CS6	6	35	6	1	6CZ5	6	42	3	6
6CM4	6	29	3	6	7	6CS7	6	34	6	3	6D2	6	33	6	2
6CM5	6	*32	4	5	3	6CT3	6	32	2	6	6D4	6	43	6	1
*Normally shows short position 3-8.															
6CM6	6	40	3	6	2	6CU5	6	*33	2	5	6D8	6	45	6	5
6CM7	6	40	6	7	2	*It may show short pin 1-11.									
6CU6 6 35 6 5 3															

Normal shorts refer to position of "C" switch.



TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	
6DL3	6	27	2	7	10	6DR8	6	31	6	2	6DY4	6	*33	2	6
6DL4	6	*85	7	8	2	6DS4	6	72	6	8	*Normally shows short position 1-7.				
*Normally shows short position 1-3-7-9.															
6DL5	6	34	1	7	1	6DT3	6	*87	6	2	6DZ4	6	*31	7	2
6DM4	6	30	6	5	8	*For grid emission turn C switch to position 4.									
6DN3	6	31	2	7	10	6DT4	6	33	1	7	6DZ7	6	40	6	1
6DN6	6	33	6	5	3	6DT5	6	30	6	2	6DZ8	6	30	6	3
6DN7	6	36	6	1	8	6DT6	6	34	6	9	6E4A*	6	85	7	4
6DN7	6	44	6	4	8	6DT8	6	30	6	2	*Insert a 2.7K 1W 5% resistor from pin hole No. 4 to No. 6 of socket No. 8, remove resistor after test is completed.				
6DQ4	6	32	6	5	8	6DW4	6	27	6	5	6E4B	6	*54	6	8
6DQ5	6	*35	5	1	3	6DW5	6	*38	3	6	6E4C	6	82	7	4
*Normally shows short position 3-4-6-8.															
6DQ6	6	34	6	5	3	6DR4	6	51	1	6	6E4D	6	26	2	5
6DQ6B	6	30	6	5	3	6DR7	6	32	2	3	6E4E	6	55	4	6
6DR4	6	32	2	3	2	6DX8	6	25	6	8	6E4F	6	30	2	5
6DR7	6	41	2	7	2	*Normally shows short position 2-6.									
6DX8	6	25	6	8	2	6EJ4	6	31	6	9	*Normally shows short position 2-9.				
6EJ4 Use 6E4F settings.															

6CJ3-6EJ4

Normal shorts refer to position of "C" switch.

TUBE TYPE	A	B	O	TUBE TYPE	A	B	O	TUBE TYPE	A	B	O	TUBE TYPE	A	B	O		
6EJ7	6	29	3	2	6EJ8	6	32	6	6	39	2	9	2	6	33	1	2
6EL4A	6	87	7	5	6FA7	6	33	6	6	33	6	7	2	6	31	1	2
6EM5	6	36	3	6	6FC7	6	34	6	6	29	8	2	2	6	36	6	2
6EM7	6	32	6	1	6FD6	6	29	6	6	29	8	6	2	6	36	6	7
	6	45	6	4	6FD7	6	31	2	3	24	2	3	2	6	35	2	7
6EN4	6	*50	7	5	6FE5	6	33	6	6	38	2	7	2	6	33	6	1
					6FG5	6	35	6	5	33	2	5	3	6	30	6	9
					6FG7	6	34	6	5	31	2	1	1	6	31	6	1
					6EZ5	6	34	6	5	27	3	9	2	6	28	6	1
6ER5	6	33	1	2	6EZ8	6	33	6	2	27	3	1	2	6	32	6	2
6ES5	6	33	1	2	6FH5	6	33	6	7	33	1	2	1	6	32	6	7
6ES8	6	30	6	2	6FH8	6	33	6	9	32	6	2	2	6	33	1	2
	6	30	6	7	6F5	6	40	1	10	32	6	2	2	6	33	1	2
6ET6	6	30	6	1	6F6	6	54	1	5	36	6	3	9	6	25	9	3
6ET7	6	30	6	2	6F8	6	45	6	5	44	6	10	9	6	45	6	5
	6	82	6	2	6F10	6	45	6	10	25	3	8	9	6	36	6	3
	6	82	6	3	6F31	6	33	6	4	36	3	10	9	6	30	6	8
6EU7O	6	52	3	2	6F33	6	35	6	1	60	6	8	2	6	27	6	5
	6	52	3	8	6F36	6	32	6	1	34	6	2	2	6	26	1	2
										34	6	6	2				10

Must use special 6EU7 adapter.
 ◆Use TC-80 Adapter ○Use TC1 Adapter
 Normal shorts refer to position of "C" switch.
 △Use TC-75 Adapter

TUBE TYPE	A	B	O	TUBE TYPE	A	B	O	TUBE TYPE	A	B	O	TUBE TYPE	A	B	O		
6G-B6	6	33	6	5	6GH8A	6	31	6	2	2	2	2	6	25	2	6	1
6G-B7	6	30	3	5	6GJ5	6	31	6	9	2	2	2	6	30	6	5	3
6GC5	6	*33	3	6	6GJ7	6	*32	7	2	10			6	26	6	8	2
6GC6	6	33	4	5	6GJ8	6	34	6	2	2	2	2	6	30	6	1	2
6GD7	6	26	3	1	6GK5A	6	*32	7	2	10			6	25	6	1	1
	6	24	3	9	6GK5	6	25	1	2	1	2	1	6	26	3	2	2
6GE5	6	*27	3	1	6GK6	6	33	3	2	2	2	2	6	26	3	9	2
6GE8	6	33	6	8	6GK7	6	35	6	5	8			6	*25	5	9	9
	6	33	6	8	6GK17	6	27	4	1	8							
6GF5	6	*27	3	1	6GL7	6	27	4	1	8							
6GF7	6	28	6	2	6GM5	6	41	6	4	8							
	6	43	6	9	6GM6	6	26	6	6	2	2	2					
6GF7A	6	28	6	2	6GM8	6	33	6	6	2	2	2	6	28	2	5	1
	6	43	6	9	6GN7	6	33	6	7	2	2	2	6	48	1	3	3
6GH8	6	31	6	2		6	33	6	7	2	2	2	6	48	1	5	3
	6	31	6	9		6	*24	7	2	2	2	2	6	35	6	1	1
	6	31	6	9									6	27	2	1	1
6EJ7-6HA6													6	*27	3	2	2

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C			
6HB5	6	*25	1	3	9	6HF8	6	24	6	7	2	6HR6	6	24	6	1	6I5	6	42	1	5	3
*Normally shows short position 4-10.																						
6HB6	6	*25	3	2	2	6HG5	6	38	1	7	1	6HS5	6	*26	2	1	6I6	6	34	6	5	1
*Normally shows short position 6-8.																						
6HB7	6	27	1	2	2	6HG8	6	24	3	1	6	6HS6	6	26	6	1	6I7	6	50	1	10	3
*Normally shows short position 1-7.																						
6HC8	6	36	6	3	2	6HJ5	6	*26	3	1	9	6HT5	6	*56	2	6	6I9	6	26	6	9	2
*Normally shows short position 4-5-9-10.																						
6HD5	6	*27	3	1	9	6HJ7	6	*82	1	7	2	6HT6	6	28	3	2	6J10	6	39	6	6	7
*Normally shows short position 1-4-5-9-10.																						
6HD7	6	30	1	2	2	*For grid emission turn C switch to position 2.					6HU8	6	29	6	2	2	6JA8	6	25	6	7	2
*Normally shows short position 1-3-4-10.																						
6HE5	6	*32	10	2	9	6HJ8	6	29	6	2	2	6HV5	6	*32	2	1	9	6IB5	6	99	6	3
*Normally shows short position 1-3-4-10.																						
6HE7	6	25	11	9	9	6HL5	6	30	2	7	2	*Must show short position 3-10.					6IB6	6	*29	7	2	
*Normally shows short position 1-3-4-10.																						
6HF5	6	*25	10	5	9	6HL8	6	32	9	2	2	*May show short position 5-6-8-9.					6IB6A	6	*29	7	2	
*Normally shows short position 1-3-4-5-8-10.																						
Normal shorts refer to position of "C" switch.																						



TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C			
6JC5	6	*35	10	2	9	6JF6	6	*26	2	6	10	6JN8	6	26	6	9	2	6JU8	6	*42	2	1
*Normally shows short position 1-3-4-10.																						
6JC6	6	26	3	2	2	6JG5	6	32	6	7	2	6JQ6	6	*32	8	8	2	*Normally shows short position 8.				
*Normally shows short position 1-7.																						
6JC6A	6	26	3	2	2	6JG6	6	28	1	2	10	*Normally shows short position 2-3.					6JU8A	6	*42	2	1	
*Normally shows short position 1-7.																						
6JC8	6	27	1	2	2	6JG6A	6	28	1	2	10	*Normally shows short position 2-3.					6JW8	6	*42	9	7	
*Normally shows short position 1-7.																						
6JD5	6	*30	2	1	9	6JH5	6	*30	2	1	9	*Normally shows short position 2-3-7-8-10.					6W8	6	25	6	2	
*Must show short position 3-10.																						
*May show short position 5-6-8-9.																						
6JD6	6	26	1	2	2	6JH6	6	25	6	1	1	6JR6	6	34	1	2	10	6W8	6	33	6	2
*Normally shows short position 1-7.																						
6JE6	6	*29	7	2	10	6JH8	6	32	6	6	2	6JS6	6	*29	10	5	9	6W8	6	29	6	2
*Normally shows short position 1-7.																						
6JE8	6	*29	7	2	10	6JK5	6	*30	2	1	9	*Normally shows short position 1-3-4-10.					6X8	6	26	6	2	
*Normally shows short position 1-7.																						
6JEC	6	*29	7	2	10	6JL6	6	26	6	1	1	6JT6	6	34	1	2	10	6Y8	6	30	6	7
*Normally shows short position 1-7.																						
6JES	6	25	6	7	2	6JL8	6	35	6	2	2	6JTA	6	34	1	2	10	6Z6	6	*27	10	5
*Normally shows short position 1-7.																						
6JG6	6	26	6	2	2	6JM6	6	26	4	5	9	*Normally shows short position 1-7.					6Z8	6	29	7	7	
*Normally shows short position 1-7.																						
6JG6	6	27	4	1	9	6JN6	6	27	4	1	9	*Normally shows short position 1-7.					6K6	6	41	6	5	
*Normally shows short position 1-7.																						
Normal shorts refer to position of "C" switch.																						

6HB5-6K6

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	
6K7	6	52	1	10	3	6KM6	6	*27	2	6	10	6KU8	6	22	6	7	2	6L43	6	*32	2	9	2	
6K8	6	35	1	5	3	*Normally shows short position 1-7.	6	31	6	7	2	*Normally shows short position 3-8.	6	65	6	2	2	6LB6	6	*28	10	5	9	
6K11	6	35	6	1	9	6KM8	6	75	6	3	2	6KV6	6	28	1	2	10	Normally shows short position 1-3-4-10.	6	25	6	7	2	
		35	6	9	9	6KN6	6	*28	10	5	9	6KV8	6	27	6	7	2			6	25	6	7	2
6KA8	6	26	6	6	2	*Normally shows short position 1-3-4-10.	6	86	6	1	2	6KW6	6	34	6	2	2	6LB8	6	39	6	2	2	
		33	6	2	2		6	90	6	6	2	6KY6	6	28	3	2	2	6LC6Δ	6	87	6	5	3	
6KD6	6	*25	10	5	9	6KN8	6	24	6	7	2	6KY8	6	30	6	2	10	6LC8	6	25	3	6	2	
*Normally shows short position 1-3-4-10.						6KR8	6	26	6	2	2	6KY8A	6	40	6	9	10			6	*29	7	2	2
6KD8	6	30	6	2	2	6KR8A	6	24	6	7	2	6L6	6	30	6	2	10	6LD6	6	43	6	8	2	
		28	6	9	2	6KS6	6	99	6	5	1	6L7	6	44	1	10	3	6LD12	6	35	6	2	2	
6KE8	6	26	6	2	2	6KS8	6	*27	6	7	2	6L8	6	37	1	5	3	*Normally shows short position 3-9.	6	35	6	6	2	
		26	6	9	2	*It may show short position 1-6.	6	*31	6	2	2	6L10	6	32	6	4	3	6L12	6	31	5	9	9	
6KF8	6	38	6	7	2	6KT6	6	25	1	2	2	6L12	6	32	6	2	2	*May show short position 1-3-4-7-10.	6	42	6	2	2	
		38	6	7	2	6KT8	6	28	6	7	2	6L41	6	33	9	9	2	6LF8	6	42	6	2	2	
6KG6	6	*26	1	8	10															6	30	6	7	2
*Normally shows short position 2-3-6-7.																								

Δ Use TC-75 Adapter. ♦ Use TC-80 Adapter. Normal shorts refer to position of "C" switch. 19

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	
6LG6	6	*32	10	5	9	6LR6	6	*32	10	5	9	6M11	6	25	6	2	9	6MN8	6	33	8	8	9	
*May show short position 1-3-4-7-10.						*May show short position 1-3-4-7-10.	6	29	6	2	10	*Normally shows short position 1-7.	6	33	6	5	9	6MP17	6	32	8	10	9	
6LH6Δ	6	87	6	5	3	6LR8	6	27	6	9	10	6MB8	6	27	6	8	2	6MP18	6	35	7	1	1	
6LJ6	6	*58	1	5	3	6LT8	6	26	8	9	2	6MD8	6	30	6	1	2	6MP20	6	35	1	7	1	
*Normally shows short position 3-4.												6ME8	6	35	6	6	10	6M08	6	30	6	6	1	
6L8	6	*95	3	2	2	6LU6	6	30	6	1	8	6MF8	6	30	6	6	9	6MU8	6	31	6	6	2	
*For grid emission turn "C" switch to position 1.						6LV6	6	28	7	10	9	6MV8	6	35	7	7	9	6N3	6	31	6	6	2	
**For grid emission turn "C" switch to position 9.						6LX6	6	*31	5	9	9	6N7	6	34	7	10	9	6N8	6	30	6	6	7	
6LM8	6	28	6	2	2	*Normally shows short position 1-3-4-7-10-11	6	37	10	5	9	6N8	6	35	8	8	1	9	6N8	6	28	7	7	9
6LN8	6	26	6	9	2							6N8	6	27	6	6	5	1	6N8	6	31	7	10	9
6LQ6	6	*29	7	2	10							6N8	6	35	8	8	1	9	6N8	6	29	6	9	2
*Normally shows short position 1-7.												6N8	6	35	8	10	9	6N8	6	47	1	4	3	
6LQ8	6	26	6	7	2							6N8	6	34	6	7	2	6N8	6	47	1	5	3	
		26	6	7	2							6N8	6	34	6	7	2	6N8	6	37	6	2	2	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26	6	2	2							6N8	6	*33	2	6	1	6N8	6	64	6	6	8	
		26																						

TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	
6P15	6	33	1	2	6R-HH8	6	86	6	1	6SF5	6	41	1	3	6ST7	6	52	1	2	
6Q7	6	40	1	10	6R-K19	6	90	6	6	6SF7	6	46	1	2			72	1	4	
		63	1	4			30	2	9			69	1	5	6SU7	6	43	6	1	
		63	1	5	6R-P15	6	38	2	1	6SG7	6	34	5	4			43	6	4	
6Q11	6	35	6	1	6R-P22	6	35	2	9	6SH7	6	33	5	4	6SZ7		44	1	2	
		35	6	9	*Normally shows short position 3-8.						6SJ7	6	35	1	4			72	1	4
6R3	6	30	2	9	6S2	6	95	1	10	6SK7	6	40	1	4	6T4	6	33	2	6	
6R4	6	35	6	1	*Normally shows short position 6-11.					6SL7	6	43	6	4	*Normally shows short position 1-7.					
6R7	6	52	1	10	6S4	6	37	3	6	6SN7	6	44	6	1	6T8	6	43	6	8	
		63	1	4	6S7	6	47	1	10			44	6	4			35	6	2	
		63	1	5	6S8	6	45	5	10	6SQ7	6	42	1	2			35	6	1	
6R8	6	49	6	8			62	5	1			82	1	4	6T8A	6	43	6	8	
		37	6	1			62	5	4	6SR7	6	46	1	2			35	6	2	
		37	6	2	6SA7	6	37	1	5			68	1	4			35	6	1	
6R-A6	6	35	6	7	6SB7Y	6	34	1	5	6SS7	6	46	1	4	6T9	6	27	6	8	
6R-A9	6	32	8	2	6SC7	6	48	1	3			68	1	5			35	6	2	
6R-B11	6	32	3	6	6SD7	6	35	6	4	6T10	6	33	6	3			35	6	2	
6R-HH2	6	27	6	2			48	1	4			68	1	4	6T11	6	27	6	8	
		27	6	7			35	6	4			68	1	5			35	6	2	

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O
6U6	6	36	6	5	6W4	6	32	6	5	6ZV5	6	43	6	3	7B6	6	40	4	3
6U7	6	48	6	10	6W6	6	35	6	3			43	6	5			68	4	5
6U8	6	33	6	2	6W7	6	50	6	10	6Z4	6	41	6	6	7B7	6	45	6	6
		33	6	9	6X4	6	44	6	1	6Z5	6	34	6	6	7B8	6	42	6	4
6U9	6	30	6	3			44	6	6	6Z6	6	48	6	3			42	6	4
		30	6	13	6X5	6	40	1	3			48	6	6	7C4	6	53	6	4
		40	6	10			40	1	5	6Z7	6	45	6	6	7C5	6	38	6	6
6U10	6	39	6	7	6X6	6	48	6	3	6Z8	6	40	6	4	7C6	6	50	4	3
		25	6	9			48	6	5	6ZAD7	6	35	6	6			50	4	3
		39	6	1	6X8	6	30	6	7	6ZAF7	6	41	6	4			68	4	5
6V3	6	31	6	7			30	6	7			41	6	6	7C7	6	37	6	6
		40	6	13			32	6	2	6ZAG7	6	32	6	5	7D8	7	31	6	2
		39	6	7	6X9	6	32	6	3	6ZAH7	6	32	6	6			31	6	7
6V4	6	40	6	1			38	6	10	6ZAK7	6	33	6	6	7E6	6	40	4	3
		40	6	7	6Y6	6	36	6	5	6ZAN7	6	33	6	8			40	4	4
6V6	6	41	1	5	6Y9	6	30	6	1			33	8	2			69	4	5
6V8	6	40	6	6			30	6	8	6ZAU7	6	33	8	6			69	4	6
		32	6	2	6Y10	6	29	4	3			33	8	6	7E7	6	47	6	6
		32	6	7			29	4	8	6ZAV7	6	40	10	2			47	6	6
		61	6	9	6Z10	6	30	6	1	6ZAW7	6	40	10	7			68	6	3
6V9	6	34	6	3			95	6	6	6ZAX7	6	40	6	6	7B4	6	68	6	4
		32	6	8	6Z31	6	44	6	1	6ZAY7	6	52	6	6	6ZB5	7	30	6	2
		32	6	13			44	6	6			30	6	6	6ZC8	7	30	6	2

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C
7EY6	7	35	6	5	3	7L7	6	36	6	4	8B10	8	43	6
7F7	6	45	6	4	4	7MP18	7	35	1	7	8AC9	8	28	3
7FC7	7	29	6	2	2	7N7	6	42	6	5	8AC10	8	30	6
7G7	6	36	6	6	4	7Q7	6	35	6	4	8AL9	8	30	6
7GS7	7	30	9	9	2	7R7	6	72	6	3	8BA11	8	29	6
7GV7	7	33	9	9	2	7S7	6	38	6	6	8BH8	8	34	6
7H7	6	35	6	6	4	7T7	6	32	6	6	8BM11	8	29	6
7HG8	7	24	3	2	2	7W7	6	31	4	6	8BN8	8	35	6
7J7	6	35	6	6	4	7X6	6	35	6	3	8BN11	8	25	6
7K7	6	45	6	4	4	7X7	6	43	6	3	8B05	8	33	1
7KY6	7	27	3	2	2	7Y4	6	45	6	6	8BQ7	8	32	6
7KZ6	7	26	3	2	2	7Z4	6	50	6	3	8BQ11	8	26	6
						8A8	9	31	6	2				

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C
8BU11	8	28	6	8	9	8CJ8	8	32	1	7	8J8A	8	*42	2
8CB11	8	28	6	6	9	8CX8	8	33	6	7			**42	9
8CG7	8	45	6	2	2	8CV5	8	35	2	1	8J8	8	25	6
8CH8	8	33	6	7	2	8CY7	8	31	2	3	8K11	8	35	6
8CL8	8	32	6	9	2	8DE7	8	44	2	7	8KA8	8	26	6
8CM7	8	40	6	7	2	8DX8	8	25	6	8	8KR8	8	30	6
8CN7	8	44	10	7	2	8EB8	8	33	6	7	8KS8	8	27	6
8CS7	8	34	6	3	2	8EM5	8	36	3	6			*31	6
8CW5	8	47	6	7	2	8ET7	8	30	6	7				
7EY6-8LE8						8F07	8	36	6	7				
						8GJ7	8	24	3	2				
						8GM6	8	30	6	1				

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C			
8L8	8	26	8	9	2	9AH9	9	37	5	2	9CL8	9	32	6	9	9K66	9	26	1	8		
		30	1	6	2	9AK8	9	30	5	6												
8MD8	8	30	1	8	2			43	6	8	9DZ8	9	30	6	3							
		35	6	6	10			35	6	2	9EA8	9	37	6	1	9KV8	9	27	6	7	2	
		35	6	8	10			35	6	2						9KX6	9	27	3	2	2	
8M-P12	8	35	6	9	10	9AK10	9	30	6	6	9ED4	9	31	6	9	9KZ8	9	26	6	2	2	
		34	6	1	1			30	6	7												
8MU8	8	31	6	2	2	9AQ8	9	30	6	9						9LA6	9	30	3	2	2	
		31	6	9	2			32	6	2	9GH8A	9	31	6	2							
8R-HP1	8	33	6	3	2	9AU7	9	40	10	2	9GV8	9	29	6	9	9M-HH3	9	34	6	5	1	
		39	6	1	2			40	10	7												
8RLP1	8	29	6	3	2	9BJ11	9	26	6	1	9HS6	9	26	6	1	9MN8	9	33	8	8	1	
		36	6	1	2			26	6	6	9J6	9	34	6	1							
8SN7	8	44	6	1	8	9BR7	9	32	10	2	9JW8	9	29	6	2	9M-P12	9	44	6	1	1	
		44	6	4	8			37	10	6						9R-A6	9	35	6	7	7	
8U9	8	30	6	3	13	9BR8	9	32	6	9	9K06	9	27	6	2	9R-AL1	9	52	2	7	2	
		40	6	10	13			31	6	1												
8X9	8	32	6	3	13			31	6	1						9R-HR2	9	31	6	2	2	
		38	6	10	13	9C88A	9	30	3	9	9U8	9	33	6	2							
9A8	9	31	6	2	2			32	3	1												
		34	6	9	2																	

Use TC-80 Adapter

Normal shorts refer to position of "C" switch.



TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C		
9V9	34	6	3	13	10DX8	10	25	6	8	2	10GF7A	10	28	6	2	10J78	10	25	2	7	
	32	6	8	13	10E/312	25	34	6	5	3	10GH8	10	43	6	9	10JY8	11	26	6	7	
9X8	9	30	6	7	10E/349	6	41	6	10	3						10KR8	10	24	6	7	
	32	6	2	2	10E/558	6	52	6	10	3	10GM8	10	33	6	2						
10AF11	10	31	6	1	10E/11448	6	42	6	5	3	10GN8	10	33	6	7	10LD6	10	29	7	2	
	31	6	6	9	10E/11533	6	39	6	5	3	10HAG	10	29	6	2						
10AL11	10	31	6	3	10E/11581	6	40	6	10	3											
	27	6	8	9	10EB8	10	33	6	7	2											
10R05	10	33	1	2			34	6	2	2	10HF8	10	24	6	7						
	31	6	6	9							10JA5	10	25	6	2						
10C8	10	32	6	8	2	10EG7	10	32	6	1											
	32	6	2	2	10EM7	10	45	6	4	8	10JA8	10	25	6	7						
10CW5	10	30	1	2	10EW7	10	32	6	4	8											
	19	33	6	2			45	6	4	8											
10D2	19	33	6	2	1		31	2	3	2											
	33	6	7	1																	
10DE7	10	33	2	3	2	10FD7	10	24	2	7	10JA5	10	32	10	2						
	44	2	7	2			38	2	3	2											
10DR7	10	32	2	3	2	10FR7	10	25	2	7											
	41	2	7	2			35	2	7	2											
8LT8-10LY8						10GF7	10	28	6	2	10	99	6	3	2	10LY8	10	26	6	7	2
							43	6	9	10											

Normal shorts refer to position of "C" switch.

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
10LZ8	10	34	6	2	2	11CA11	11	35	9	3	9	11L18	11	26	8	9	2	12AE10	12	30	6	8	9
10T10	10	29	6	7	2	11CF11	11	33	9	6	9	11MS8	11	30	1	6	2	12AF3	12	31	6	3	9
10Z10	10	33	6	3	9	11CY7	11	33	9	8	9	11R3	11	30	1	8	2	12AF6	12	32	2	9	2
11AF9	11	27	6	8	1	11DS5	11	39	7	9	9	11Y9	11	29	6	9	2	12AF11	12	37	6	1	1
11AR11	11	30	6	1	9	11FY7	11	33	6	1	9	12A4	12	29	6	2	2		12	28	6	8	9
11BM8	11	95	6	6	9	11HM7	11	33	6	5	9	12A6	12	30	2	9	2		12	28	6	5	9
11BN11	11	30	8	1	13	11JH7	11	31	2	3	2	12A8	12	30	6	1	13		12	34	6	10	9
11BR11	11	30	2	8	13	11JY9	11	45	2	7	2	11Y9	11	30	6	8	13		12	35	6	1	1
11BQ11	11	28	6	5	9	11JZ8	11	33	1	7	1	12A8	12	32	3	7	7		12	48	6	1	1
11BT11	11	28	6	10	9	11K8	11	25	9	3	9	12A6	12	45	6	5	3		12	48	6	5	8
11C5	11	33	6	3	2	11KV8	11	43	9	10	9	12A8	12	45	6	5	3		12	40	6	1	1
		39	6	1	2	11LQ8	11	25	7	2	2	12AB5	12	42	3	6	2		12	66	6	5	1
		25	6	3	9			*Normally shows short position 3-9.				12AC6	12	*42	3	6	2		12	66	6	5	1
		25	6	7	9			*Normally shows short position 1-8.				12AD6	12	42	6	1	1		12	66	6	6	2
		26	6	5	9						12AD7	12	42	6	1	1		12	66	6	6	2	
		26	6	5	9						12AE6	12	35	6	1	1		12	66	6	6	2	
		26	6	10	9						12AE7	12	32	10	2	2		12	66	6	6	2	
		27	7	1	9													12	33	6	2	1	
		30	9	5	9													12	33	6	7	1	
		26	9	3	9													12	34	6	3	2	
		38	2	5	1													12	52	6	8	2	
																		12	31	6	3	9	
																		12	27	6	8	9	
																		12	35	1	7	1	

Normal shorts refer to position of "C" switch.

12B Series

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
12AS5	12	36	2	5	1	12AX4	12	35	6	5	8	12BE3	12	26	4	10	9	12BT6	12	39	6	1	1
12AT6	12	39	6	1	1	12AX7	12	42	10	2	2	12BE6	12	35	6	1	1	12BU6	12	64	6	5	1
		72	6	5	1	12AY3	12	42	10	7	2	12BF6	12	50	6	1	1			64	6	6	1
12A7	12	72	6	6	1	12AY3A	12	30	8	2	10			66	6	5	1			64	6	6	1
		32	10	2	2	12AV7	12	30	8	2	10	12BF11	12	66	6	6	1			66	6	5	1
12AUS	12	32	10	7	2	12B4	12	44	10	2	2			25	6	3	9			66	6	6	1
12AU6	12	40	6	1	3	12B7	12	44	10	7	2	12BK6	12	39	6	1	1			66	6	6	1
12AU7	12	33	6	1	1	12BA6	12	33	10	2	2	12BH7	12	25	6	8	9			66	6	2	2
		40	10	2	2	12BA7	12	33	10	7	2	12BK5	12	35	10	2	2			66	6	3	9
		40	10	7	2	12BA11	12	33	10	7	2	12BK6	12	35	10	7	2			66	6	6	1
12AUS	12	31	6	7	2	12B14	12	36	6	9	9	12BK6	12	39	6	1	1			66	6	6	1
12AV5	12	33	6	2	2	12B14	12	45	6	6	4	12BQ6	12	35	6	5	1			66	6	7	2
12AV6	12	40	6	1	1	12B14	12	33	2	1	10	12BR3	12	57	6	5	1			66	6	7	2
		78	6	5	1	12B14	12	28	6	4	9	12BR7	12	57	6	5	1			66	6	7	2
12AV7	12	32	10	2	2	12B14	12	36	6	9	9	12BQ6	12	35	6	5	1			66	6	7	2
		78	6	6	1	12B14	12	*33	2	1	10	12BQ6	12	35	6	5	3			66	6	1	1
12AW6	12	32	10	7	2	12B14	12	*Normally shows short position 3-9.				12BQ6	12	30	2	9	2			66	6	10	2
12AX3	12	38	6	1	1	12B14	12	3-6, 7, 8.				12BR7	12	32	10	2	2			66	6	2	2
		34	4	10	9	12BC32	12	67	6	5	1	12BR7	12	36	10	6	2			66	6	2	2
						12BD6	12	67	6	6	1	12BS3	12	36	10	6	2			66	6	5	1
						12BD6	12	43	6	1	1	12BT3	12	36	10	7	2			66	6	10	3
						12BD6	12	43	6	1	1	12BT3	12	27	8	2	10			66	6	4	3
						12BD6	12	43	6	1	1	12BT3	12	27	4	10	9			66	6	5	3

Normal shorts refer to position of "C" switch.

10LZ8-12C8

Use 1C-80 Adapter

TUBE TYPE	Heats	A	B	O	TUBE TYPE	Heats	A	B	O	TUBE TYPE	Heats	A	B	O	TUBE TYPE	Heats	A	B	O
12C8Y	12	55	6	10	12DE8	12	36	6	1	12DS7	12	34	6	3	12DW7	12	43	10	2
12CA5	12	65	6	4	12DF5	12	52	10	6	*Tube good if it reads 20 or more.	*85	6	1	2	12DW8	12	43	10	7
12CK3	12	25	8	2	12DF7	12	40	10	2	12DT5	12	*38	3	6	12DY8	12	32	6	7
12CL3	12	27	2	7	12DL8	12	31	6	2	*Normally shows short position 7-11.	12	33	6	1	12E5	12	30	6	1
12CM6	12	40	3	6	12DL8	12	31	6	7	12DT6	12	41	10	2	12EAG	12	35	6	9
12CN5	12	33	2	5	12DK6	12	33	6	1	12DT7	12	41	10	7	12E68	12	33	6	1
12CR6	12	39	6	7	12DK7	12	33	9	1	12DT8	12	30	6	2	12ED5	12	30	6	3
12CS6	12	35	6	2	12DM4	12	80	9	6	12E7	12	49	10	7	12EL6	12	37	6	1
12CT3	12	32	2	6	12DQ4	12	32	6	5	12EW4A	12	29	8	2	12EG6	12	48	6	5
12CT8	12	35	6	8	12DQ4	12	32	6	5	12EW5	12	33	3	6	12EG6	12	36	6	1
12CU5	12	*33	2	5	12DQ6	12	34	6	5	12EW8	12	35	6	3	12EH5	12	30	2	5
12CU6	12	35	6	5	12DQ6B	12	30	6	5	12EH6	12	58	6	9	12EK6	12	31	6	1
12CX6	12	30	6	1	12DQ7	12	*32	7	2	*Normally shows short position 3-9.	12	58	6	1	12EL6	12	38	6	1
12D4	12	33	6	5	12EW4A	12	29	8	2	12EW5	12	33	3	6	12EG6	12	68	6	5
12DA6	12	34	1	2	12EW5	12	33	3	6	12EW8	12	35	6	2	12EH5	12	30	2	5
12DB5	12	*38	3	6	*Normally shows short position 2-7.	12	33	3	6	12EW8	12	35	6	2	12EK6	12	31	6	1

Normal shorts refer to position of "C" switch.



TUBE TYPE	Heats	A	B	O	TUBE TYPE	Heats	A	B	O	TUBE TYPE	Heats	A	B	O	TUBE TYPE	Heats	A	B	O
12EM6	12	34	6	1	12F08	12	39	6	2	12G-B7	12	33	6	5	12H31	12	35	6	1
12EN6	12	90	6	9	12FR8	12	*25	6	3	12GC5	12	*33	3	6	12HB25	12	*33	2	1
12EQ7	12	34	6	2	12FW8	12	*37	6	1	*Normally shows short position 1-8.	12	33	4	5	12HE7	12	25	11	9
12EZ6	12	32	6	1	12FX5	12	35	10	2	12G66	12	33	4	5	12HG7	12	27	7	2
12F5	12	40	6	10	12FX8	12	32	6	2	12GE5	12	27	3	1	*Normally shows short position 3-9.	12HL5	12	30	2
12F8	12	40	6	8	12FX8A	12	28	6	6	12GJ5	12	*32	7	2	12HL7	12	28	7	2
12F31	12	33	2	1	12G6A	12	35	10	2	12GK17	12	35	6	5	*Normally shows short position 3-9.	12HUS	12	29	6
12FK6	12	40	6	1	12GV5	12	35	10	7	12GN7	12	*24	7	2	12HUS	12	29	6	2
12FM6	12	65	6	5	12GV5	12	32	2	5	12GT5	12	*35	7	2	12J5	12	42	6	5
12F07	12	36	6	2	12G11	12	36	6	3	*Normally shows short position 1-7.	12	*35	7	2	12J7	12	50	6	10
12JB6A	12	36	6	7	12GW6	12	30	6	8	12GT5A	12	35	7	2	12J8	12	30	6	1
12JB6A	12	36	6	5	12H6	12	36	6	1	*Normally shows short position 1-7.	12	26	10	5	12JB6	12	35	6	9
12JB6A	12	27	6	1	12H6	12	48	6	3	12GV5	12	*26	10	5	*Normally shows short position 1-7.	12JB6A	12	*29	7
12JB6A	12	27	6	1	12H6	12	48	6	3	*Normally shows short position 1-3-4-7-10.	12	30	6	5	*Normally shows short position 1-7.	12JB6A	12	*29	7
12JB6A	12	27	6	1	12H6	12	48	6	3	12GW6	12	30	6	5	12JB6A	12	*29	7	
12JB6A	12	27	6	1	12H6	12	48	6	3	12H6	12	48	6	3	*Normally shows short position 1-7.	12JB6A	12	*29	7

Normal shorts refer to position of "C" switch.

Use TC-80 Adapter

TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O						
14X7	12	43	6	3	4	15E7	15	35	6	1	8	15L8	15	29	6	9	2	16C18	16	32	6	9	2		
		36	6	3	4	15M8	15	39	6	4	8	15MF8	15	35	7	7	9	16GK6	16	32	6	1	2		
14Y4	12	45	6	3	4	15EW6	15	29	6	1	1	15MX8	15	34	7	10	9	16GK5	16	33	3	2	2		
		45	6	3	4	15EW7	15	31	2	3	2			30	6	2	10	16GY5	16	*25	5	9	9		
		45	6	6	4			45	2	7	2			15	30	6	2	10			*Normally shows short position				
15A6	15	30	6	2	2	15FM7	15	25	3	8	9	16A5	16	40	6	9	10	16HB5	16	25	1	3	9		
		36	6	4	3	15F7	15	35	3	10	9	16A8	16	33	6	3	2				*Normally shows short position 4-10.				
15AF11	15	40	6	3	3	15GY5	15	42	9	10	9	16AK9	16	39	6	1	2	16K11	16	35	6	1	9		
		31	6	1	9			25	5	9	9			16	30	7	10	9			35	6	7	9	
		31	6	6	9			30	7	3	9			16A03*	16	30	7	3	7	16A03	16	26	10	5	9
15BD11	15	26	6	1	9			30	7	8	9										*May show short position 1-3-4-7-10.				
		31	6	3	9			30	7	3	7			16A03	16	30	3	7	7	16A03	16	29	7	2	2
		31	6	3	9			30	3	7	7										*If no test, use alternate settings.				
15BD11A	15	26	6	1	9	15HB6	15	*27	3	2	2	16BQ11	16	30	3	7	7	16LJ8	16	28	7	7	9		
		31	6	3	9			*25	3	2	2			16	26	6	5	9	16LJ8	16	28	7	7	9	
		31	6	6	9			*Normally shows short position 6-8.						16	26	6	10	9	16MY8	16	28	7	7	9	
15CW5	15	*30	1	2	2	15KY8	15	30	6	2	10	16BX11	16	32	6	2	9	16Y9	16	31	7	10	9		
		25	6	8	2			40	6	9	10	16C-B28	16	31	6	5	9				31	7	10	9	
		25	6	1	2	15KY8A	15	30	6	2	10			16	*30	5	9	16Y9	16	30	6	1	13		
		25	6	1	2			40	6	9	10										30	6	8	13	

Normal Shorts refer to position of "C" Switch.

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TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O					
17A8	17	31	6	2	2	17B3	17	30	8	2	10	17D4	17	33	6	5	8	17GV5	17	26	10	5	9	
17AB10	17	29	6	1	9	17BH3A	17	30	8	2	10	17DE4	17	34	6	5	8				*Normally shows short position			
		95	6	6	9	17B16	17	34	6	1	1	17DM4	17	30	6	5	8				1-3-4-7-10.			
17AF3	17	32	2	9	2	17BQ6	17	35	6	5	3	17DQ4	17	32	6	5	8	17GW5	17	30	6	5	3	
		33	6	1	3			30	2	9	2	17DQ6	17	34	6	5	3	17GV5	17	*25	5	9	9	
17AX3	17	34	4	10	9	17BR3	17	30	2	9	2	17DQ6B	17	30	6	5	3				*Normally shows short position			
17AX4	17	35	6	5	8	17BS3	17	27	8	2	10	17DW4A	17	29	8	2	10				1-3-4-7-10.			
17AY3	17	30	8	2	10	17BW3	17	28	4	10	9	17EW8	17	32	6	2	2	17H3	17	36	3	8	2	
17AY3B	17	30	8	2	10	17BZ3	17	28	4	10	9	17FY7	17	32	6	7	2	17H-B25	17	*33	2	1	10	
		30	8	2	10	17C5	17	*34	2	5	1										*Normally shows short position			
17B-814	17	*33	2	1	10			30	2	5	1										*Normally shows short position			
		33	6	2	2	17C8	17	33	6	2	2	17GE5	17	42	9	10	9	17H08	17	36	6	3	2	
		36-7-8.						65	6	7	2										38	6	1	2
17BD11	17	26	6	1	9	17C9	17	28	7	1	2										24	3	2	2
		31	6	3	9			28	7	1	2										25	1	6	2
17BE3	17	26	4	10	9	17CA5	17	32	2	5	1	17G15A	17	*32	7	2	10	17IB6	17	*29	7	2	10	
17BF11	17	25	6	3	9	17CK3	17	25	8	2	10	17GT5	17	*35	7	2	10				*Normally shows short position 1-7.			
		25	6	8	9	17CL3	17	27	2	7	10										*Normally shows short position 1-7.			
17BF11A	17	25	6	3	9	17C04	17	32	6	5	8	17G15A	17	*35	7	2	10	17JF6	17	*26	2	6	10	
		25	6	3	9	17C13	17	32	2	6	2										*Normally shows short position 1-7.			
		25	6	1	2	17C05	17	32	2	5	1										position 1-7.			

◆Use TC-80 Adapter

Normal shorts refer to position of "C" switch.

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TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C			
17JG6	17	28	1	2	10	17R5	17	39	2	5	1	18GB5	18	*26	1	2	10
17JG6A	17	28	1	2	10	17W6	17	33	6	5	3	18GD6	18	34	6	1	1
17JK8	17	30	6	2	2	17X10	17	98	6	6	9	18GE6	18	37	6	1	1
17JM6	17	26	4	5	9	17Y9	17	30	6	1	13	18GV5	18	*26	10	5	9
17JN6	17	27	4	1	9	17Z3*	17	30	6	8	13	*Normally shows short position					
17JQ6	17	*35	8	8	2	17Z3*	17	30	2	9	2	1-3-4-7-10.					
		58	8	6	2	*if no test—use alternate settings.					18GV8	18	29	6	9	2	2
						*May show short position 2-3.					18HB8	18	36	6	9	2	2
17JR6	17	34	1	2	10	18A5	18	34	6	1	3	*Normally shows short position					
17JS6	17	*29	10	5	9	18AJ10	18	32	4	3	9	1-3-4-7-10.					
						*Normally shows short position					18J6	18	34	6	5	1	1
						1-3-4-10.					18R-AL1	18	52	2	7	2	2
17JT6	17	34	1	2	10	18AK5	18	33	2	1	1	*Normally shows short position					
17JT6A	17	34	1	2	10	18AQ5	18	35	1	7	1	1-3-4-7-10.					
17JZ8	17	29	7	7	9	18DZ8	18	30	6	3	2	*Normally shows short position					
		40	7	10	9	*Normally shows short position					19A8	19	85	6	1	2	2
17KV6	17	28	1	2	10	18FW6	18	37	6	1	2	1-3-4-7-10.					
17KW6	17	28	1	2	10	18FX6	18	34	6	1	1	*Normally shows short position					
17L6	17	34	6	5	3	18FY6	18	38	6	1	1	1-3-4-7-10.					
17L8	17	30	6	2	10	18G6	18	36	6	5	3	*Normally shows short position					
		46	6	9	10	19BX6	19	33	1	2	2	1-3-4-10.					
						19B7	19	33	1	2	2	*Normally shows short position					

Normal shorts refer to position of "C" switch.

Use TC-80 Adapter



TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C	TUBE TYPE	Heater	A	B	C			
19GY5	19	*25	5	9	9	19T8	19	43	6	8	2	20LF6	20	*31	5	9	9
						*Normally shows short position					21JG6	21	26	4	1	9	
						1-3-4-7-10.					21JZ6	21	*27	10	5	9	
19HR6	19	24	6	1	1	19V8	19	40	6	6	2	*Some tubes may show short position 1-3-4-10.					
19HS6	19	26	6	1	1	*Normally shows short position 1-6-9.					21KA6	21	*26	10	5	9	
19HV8	19	35	6	1	2	21EX6	22	33	6	5	3	*May show short position 3-4-7-11.					
		28	6	9	2	21GY5	21	*25	5	9	9	*Normally shows short position					
19J6	19	34	6	5	1	19X3	19	29	6	9	2	1-3-4-7-10.					
		34	6	6	1	19X8	19	30	6	7	2	*Normally shows short position 2-3-6-7.					
19JC6	19	26	3	2	2	21H5	21	*25	1	3	9	*Normally shows short position 2-3-6-7.					
19JN8	19	26	6	9	2	*Normally shows short position 4-10.					21LG6	21	*32	10	5	9	
		26	6	1	2	19Y3	19	29	6	9	2	*May show short position					
19KF6	19	33	1	7	10	20AQ3*	20	27	7	3	7	1-3-4-7-10.					
19KG8	19	24	6	9	2	*if no test, use alternate settings.					21LR8	21	27	6	2	10	
		24	6	2	2	20AQ3	20	27	3	7	7	*Normally shows short position					
19MR9	19	35	6	1	1	20D1	9	33	6	2	1	*Normally shows short position					
19Q9	19	25	6	1	2	20E7	19	34	6	2	2	4-5-9-10.					
		25	6	8	2	20EW7	20	31	2	3	2	*Normally shows short position					
						Normally shows short position					22AL3	22	27	7	3	7	
						1-3-4-7-10.					22AL3	22	27	3	7	7	

Normal shorts refer to position of "C" switch.

Use TC-80 Adapter

17JG6-22AL3

TUBE TYPE	A	B	C	TUBE TYPE	A	B	C	TUBE TYPE	A	B	C	TUBE TYPE	A	B	C
22BH3	22	30	8	2	10	23	30	7	10	9	25C6	25	36	6	5
22BH3A	22	30	8	2	10	39	7	3	9	9	25CA5	25	32	2	5
22BW3	22	28	4	10	9	28	7	8	9	25CD6	25	33	6	5	3
22DE4	22	34	6	5	8	24	35	6	5	8	25CG3	25	26	4	10
22JG6	22	28	1	2	10	24	25	6	3	9	25CK3	25	30	8	2
22JG6A	22	28	1	2	10	25	6	8	9	25CM3	25	30	2	7	10
22JF6	22	*26	2	6	10	24	*29	7	2	10	25CT3	25	32	2	6
*Normally shows short position 1-7.						24	*Normally shows short position 1-7.				25CU6	25	35	6	5
22JL6	22	*27	7	2	10	24	29	7	7	9	25D4	25	33	6	5
22JL6A	22	*27	7	2	10	24	29	7	7	9	25DK4	25	33	6	5
22JL6B	22	*27	7	2	10	24	29	7	7	9	25DL3	25	27	2	7
*Normally shows short position 1-7.						24	*Normally shows short position 1-7.				25DN6	25	32	6	5
22JR6	22	34	1	2	10	25	*50	6	5	3	25DQ6	25	34	6	5
22KM6	22	*27	2	6	10	25	*Normally shows short position 8-11.				25DT5	25	*38	3	6
*Normally shows short position 1-7.						25	33	6	5	8	*Normally shows short position 7-11.				
22KV6	22	28	1	2	10	25	33	6	1	3	25E5	25	27	6	5
23JS6	23	*29	10	5	9	25	35	6	5	8	25E6	25	32	6	5
*Normally shows short position						25	40	6	5	3	25EH5	25	*30	2	5
23JW6	23	*29	10	5	9	25	37	3	7	2	*Normally shows short position 1-11.				
*Normally shows short position 1-3-4-7-10.						25	35	6	5	3	25F5	25	38	2	5
23JS6A	23	*29	10	5	9	25	30	2	9	2	25F5A	25	38	2	5
*Normally shows short position 1-3-4-10.						25	33	2	5	1	25GB6	25	33	6	5

Normal shorts refer to position of "C" switch.

Use TC-80 Adapter



TUBE TYPE	A	B	C	TUBE TYPE	A	B	C	TUBE TYPE	A	B	C	TUBE TYPE	A	B	C
26BK6	25	39	6	1	1	27KG6	*26	1	8	10	30A5	29	27	5	2
26C6	25	57	6	6	1	*Normally shows short position 2-3-6-7.					30AE3*	30	27	7	3
26D6	25	50	6	1	1	27LF6	*27	*31	5	9	*If no test, use alternate settings.				
26DQ5	26	35	5	1	3	*May show short position 1-3-4-7-10.					30AE3	30	28	3	7
26HU5	26	*28	1	5	8	28D7	30	40	6	2	30AG11	30	28	6	8
26JG6	26	28	1	2	10	*Normally shows short position 3-6-7-8.					30C1	9	31	6	2
26LX6	26	*37	10	5	9	28HA6	28	*27	3	2	30CW5	30	*30	1	2
26Z5	26	45	10	1	2	*Normally shows short position 6-8.					30HD5	30	*27	3	1
27GB5	27	*26	1	2	10	28HD5	28	*27	3	1	*Normally shows short position 4-5-9-10.				
*May show short position 3-6-7-8.						29GK6	29	33	3	2	30HJ5	30	*26	3	1
22BH3-31LR8						29KQ6	29	*25	1	8	*Normally shows short position 1-3-4-10.				
Use TC-62B Adapter.						29LE6	29	*30	1	8	30JL6	30	*29	7	2
Use TC-80 Adapter.						*Normally shows short position 2-3-6-7.					30JL6	30	*Normally shows short position 1-7.		
						30LR8	30	27	6	2	30LR8	30	27	6	2

Use TC-80 Adapter.

Normal shorts refer to position of "C" switch.

Use TC-62B Adapter.

TUBE TYPE	Heater			TUBE TYPE			Heater			TUBE TYPE			Heater																
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C														
5691	6	43	6	1	8	5824	25	40	6	5	3	6006	6	34	5	4	3	6082	25	35	6	1	8						
5692	6	44	6	4	8	5845	4	*90	8	1	1	6028	19	33	2	1	1	6084	6	35	6	4	8						
5693	6	44	6	4	8	*Tube good if it reads 20 or more			6	44	6	1	6042	6	44	6	1	6085	6	39	8	9	2	2					
5696	6	35	6	4	3	5879	4	55	5	1	2	6046	25	34	6	5	3	6087	12	42	10	2	2						
5725	6	35	6	1	1	5881	6	37	6	5	3	6057	12	42	10	2	2	6087	5	53	6	4	3						
5726	6	33	6	2	1	5915	6	42	6	1	1	6058	6	33	6	2	1	*Normally shows short position 8-11.			6	53	6	6	3				
5727	6	33	6	7	1	5920	6	32	6	6	1	6060	12	32	10	2	2	6096	6	34	2	1	1						
5749	6	33	2	1	1	5931	5	*42	6	4	3	6062	6	32	10	2	2	6097	6	33	6	2	1						
5750	6	35	6	1	1	*Normally shows short position 8-11.			*42	6	6	3	6066	6	33	9	9	6	6	33	6	7	1						
5751	12	42	10	2	2	5932	6	37	6	5	3	6067	6	39	6	1	1	6100	6	41	1	6	1						
5755	15	51	10	3	2	5961	6	37	6	5	3	6069	6	64	6	5	1	6101	6	34	6	6	1						
5763	6	33	9	9	2	5963	12	40	10	2	2	6072	12	44	10	2	2	6113	6	43	6	6	1						
5814A	12	40	10	2	2	5984	6	35	6	5	1	6080	6	35	6	1	8	6134	6	43	6	4	8						
5823	1	*85	5	4	6	5985	12	32	10	2	2	6087	6	33	2	1	1	6135	6	41	1	6	1						
*Ignore short lamp indication.																													
*Normally shows grid emission.																													

Normal shorts refer to position of "C" switch.



TUBE TYPE	Heater			TUBE TYPE			Heater			TUBE TYPE			Heater																
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C														
6147	6	37	6	5	3	6203	6	41	6	1	2	6661	6	33	6	1	1	6688	6	27	3	2	2						
6159	25	*38	1	5	3	6211	12	34	10	2	2	6662	6	34	6	1	1	6689	6	25	6	2	2						
*Normally shows short position 4-6.						6180	6	44	6	1	8	6663	6	33	6	2	1	6829	12	32	10	2	2						
6186	6	31	2	1	1	6216	6	*29	3	2	2	6664	6	30	6	6	1	6883	12	32	10	7	2						
*Normally shows short position 1-6.																													
6187	6	35	6	1	1	6218	6	72	6	2	2	6669	6	35	1	7	1	*Normally shows short position 4-6.			6	33	6	2	1				
6188	6	43	6	1	8	6265	6	33	6	1	1	6676	6	33	6	1	1	6887	6	33	6	6	7	1					
6189	12	40	10	2	2	6267	6	40	2	9	2	6677	6	*32	2	9	2	*Normally shows short position 3-8.			6	33	6	4	3				
6197	6	*32	2	9	2	6350	12	40	10	3	2	6678	6	33	6	2	2	6888	6	32	6	6	2	1					
*Normally shows short position 3-8.						6198	12	40	10	2	2	6679	12	32	10	7	2	6919	6	35	6	2	1						
6201	12	32	10	2	2	6463	12	29	10	3	2	6680	12	40	10	2	2	6922	6	28	6	2	2						
6202	6	44	6	1	1	6485	6	35	6	1	1	6681	12	42	10	7	2	6968	6	33	2	1	1						
*Normally shows short position 4-6.						6520	6	35	6	1	8	6683	12	*40	1	5	3	6973	6	*40	3	6	2						
6550	6	35	6	5	3	6550	6	35	6	4	8	6686	6	26	1	2	2	*Normally shows short position 1-8.			6	50	6	10	3				
6660	6	33	2	1	1	6660	6	33	2	1	1	6687	6	32	6	1	1	7000	6	42	10	2	2						

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heats	A	B	O	TUBE TYPE	Heats	A	B	O	TUBE TYPE	Heats	A	B	O	TUBE TYPE	Heats	A	B	O
B329	12	40	10	2	CV452	6	39	6	1	CV554	6	48	6	3	CV581	6	46	6	5
B339	12	40	10	2	CV453	6	64	6	1	CV555	25	34	6	3	CV582	6	46	6	5
B719	6	32	6	2	CV454	6	35	6	1	CV556	35	36	6	5	CV583	6	46	6	5
BPM04	6	32	6	7	CV455	12	32	10	2	CV557	35	36	6	5	CV586	6	40	6	10
CV131	6	35	6	1	CV491	12	40	10	2	CV558	50	33	6	5	CV587	6	63	6	4
CV133	6	41	1	6	CV492	12	42	10	2	CV559	6	40	6	10	CV588	6	63	6	4
CV136	6	34	6	1	CV493	6	44	6	1	CV560	6	40	6	10	CV589	6	63	6	4
CV138	6	30	6	1	CV494	6	44	6	1	CV561	6	40	6	10	CV590	6	63	6	4
CV140	6	33	6	2	CV511	6	41	6	5	CV562	6	40	6	10	CV591	6	63	6	4
CV216	50	*99	3	5	CV538	12	37	6	5	CV563	6	40	6	10	CV592	6	35	6	4
CV283	6	33	6	2	CV544	12	40	6	4	CV564	5	*40	6	4	CV593	5	*51	6	4
CV450	6	29	6	5	CV547	12	42	6	2	CV565	6	*40	6	6	CV594	6	*51	6	6
					CV551	25	36	6	5	CV566	6	45	6	5	CV595	6	33	5	4
					CV552	25	34	6	5	CV567	6	45	6	5	CV596	6	33	5	4
					CV553	25	34	6	5	CV568	6	45	6	5	CV597	6	50	6	10

Normal shorts refer to position of "G" switch.

TUBE TYPE	Heats	A	B	O	TUBE TYPE	Heats	A	B	O	TUBE TYPE	Heats	A	B	O	TUBE TYPE	Heats	A	B	O
CV660	6	33	6	4	CV726	35	31	6	2	CV775	1	62	6	4	CV808	3	45	4	3
CV661	6	35	6	4	CV728	2	*35	6	10	CV776	1	55	6	6	CV815	2	43	8	6
CV664	6	*46	1	6	CV729	5	*35	6	4	CV777	1	54	5	6	CV818	3	*42	5	3
CV665	6	42	2	1	CV731	6	54	6	5	CV778	1	68	6	4	CV819	3	45	9	5
CV666	50	*85	3	5	CV732	6	32	6	5	CV779	2	53	6	6	CV820	3	48	5	3
CV667	12	35	6	4	CV733	6	33	6	4	CV780	2	62	6	4	CV821	3	48	5	3
CV668	12	35	6	4	CV734	2	*70	2	6	CV781	1	53	5	6	CV822	5	40	6	4
CV669	12	34	5	4	CV735	2	*70	2	6	CV782	1	57	5	4	CV823	5	40	6	6
CV670	12	46	6	2	CV736	1	55	6	5	CV783	1	55	5	3	CV824	5	52	6	6
CV703	6	35	6	5	CV737	1	55	6	5	CV784	1	56	6	6	CV825	6	40	6	5
CV706	6	48	6	10	CV738	1	55	6	5	CV785	1	55	5	6	CV826	6	40	6	5
CV717	5	*45	6	4	CV739	1	55	6	5	CV786	1	54	6	5	CV827	6	33	6	4
CV723	3	39	6	5	CV740	2	54	6	10	CV787	6	32	5	1	CV828	6	31	2	1
					CV741	2	48	6	5	CV788	50	35	6	3	CV829	6	33	6	4
					CV742	1	55	6	4	CV789	3	36	5	4	CV830	6	35	6	5
					CV743	1	55	6	4	CV790	3	*36	5	4	CV831	6	41	1	6
					CV744	1	55	6	4	CV791	3	36	5	4	CV832	6	41	1	6

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	O	Booker	TUBE TYPE	Heater	A	B	O	Booker	TUBE TYPE	Heater	A	B	O	Booker
CV858	6	34	6	5	1	CV886	6	38	6	6	4	CV900	6	35	6	6	4
CV862	6	53	6	5	3	CV887	6	50	4	4	4	CV910		72	6	3	4
CV865	6	35	6	4	3	CV891	6	68	4	5	4	CV916		48	6	3	4
CV866	6	35	6	4	3	CV892	6	68	4	4	4	CV917	6	45	6	3	4
CV867	6	46	6	2	8	CV893	6	40	4	3	4	CV918	6	45	6	6	4
CV873	6	43	6	3	3	CV894	6	69	4	5	4	CV919	12	45	6	5	3
CV876	6	48	6	3	4	CV895	6	69	4	6	4	CV920	12	48	6	3	3
CV877	6	45	6	6	4	CV896	6	47	6	6	4	CV921	12	50	6	10	3
CV878	6	40	6	4	4	CV897	6	68	6	3	4	CV922	12	52	6	10	3
CV879	6	40	6	6	4	CV898	6	68	6	4	4	CV924	12	41	6	3	8
CV880	6	52	6	6	4	CV899	6	42	6	4	4	CV925	12	46	6	2	8
CV881	6	52	6	6	4							CV930	12	69	6	5	8
CV882	6	40	4	3	4							CV933	12	33	5	4	3
CV883	6	42	6	4	4							CV934	12	43	6	1	8
CV885	6	38	6	6	4							CV935	12	43	6	4	8
												CV936	12	44	6	1	8
												CV937	12	44	6	4	8
												CV938	12	45	6	4	4
												CV939	12	45	6	4	4

Normal shorts refer to position of "C" switch.



TUBE TYPE	Heater	A	B	O	Booker	TUBE TYPE	Heater	A	B	O	Booker	TUBE TYPE	Heater	A	B	O	Booker
CV1377	5	*30	6	4	3	CV1803	1	54	6	5	3	CV1849	5	*52	6	4	3
CV1378	5	*30	6	6	3	CV1805	1	54	6	5	3	CV1851	5	*52	6	6	3
CV1379	5	*30	6	6	3	CV1811	1	58	6	5	3	CV1852	5	47	6	3	8
CV1380	12	32	10	2	2	CV1818	1	86	6	10	3	CV1854	5	47	6	3	8
CV1381	12	32	10	2	2	CV1820	1	*99	6	8	3	CV1855	5	47	6	5	8
CV1382	12	32	10	7	2	CV1821	1	55	6	10	3	CV1856	5	*51	6	4	3
CV1383	6	46	6	5	3	CV1822	1	55	6	10	3	CV1857	5	*51	6	3	8
CV1384	6	35	6	5	3	CV1823	2	96	6	5	3	CV1862	6	35	1	7	1
CV1385	6	35	6	5	3	CV1824	1	48	6	5	3	CV1863	5	*36	6	4	3
CV1386	35	34	6	6	4	CV1825	6	48	6	5	3	CV1864	6	*51	6	6	3
CV1387	6	42	2	1	1	CV1826	1	55	6	10	3	CV1865	6	*51	6	6	3
CV1388	1	55	5	6	6	CV1827	2	53	6	10	3	CV1866	6	55	6	10	3
CV1389	6	43	6	1	1	CV1828	1	48	6	3	8	CV1867	50	*70	3	5	3
CV1390	6	37	6	6	4	CV1829	1	48	6	5	3	CV1868	6	55	6	10	3
CV1391	6	32	6	6	4	CV1830	5	*38	6	4	3	CV1869	6	65	6	5	3
CV1392	6	50	6	3	4	CV1831	1	54	6	5	3	CV1870	6	65	6	5	3
CV1393	6	50	6	6	4	CV1832	1	54	6	4	3	CV1871	6	65	6	5	3
CV1394	1	57	6	5	3	CV1833	5	*38	6	6	3	CV1872	6	65	6	5	3
CV1395	1	57	6	5	3	CV1834	1	48	6	5	3	CV1873	6	65	6	5	3
CV1396	1	57	6	5	3	CV1835	1	48	6	5	3	CV1874	6	65	6	5	3
CV1397	1	57	6	5	3	CV1836	1	48	6	5	3	CV1875	6	65	6	5	3
CV1398	1	57	6	5	3	CV1837	1	48	6	5	3	CV1876	6	65	6	5	3
CV1399	1	57	6	5	3	CV1838	1	48	6	5	3	CV1877	6	65	6	5	3
CV1400	1	57	6	5	3	CV1839	1	48	6	5	3	CV1878	6	65	6	5	3
CV1401	1	57	6	5	3	CV1840	1	48	6	5	3	CV1879	6	65	6	5	3
CV1402	1	57	6	5	3	CV1841	1	48	6	5	3	CV1880	6	65	6	5	3
CV1403	1	57	6	5	3	CV1842	1	48	6	5	3	CV1881	6	65	6	5	3
CV1404	1	57	6	5	3	CV1843	1	48	6	5	3	CV1882	6	65	6	5	3
CV1405	1	57	6	5	3	CV1844	1	48	6	5	3	CV1883	6	65	6	5	3
CV1406	1	57	6	5	3	CV1845	1	48	6	5	3	CV1884	6	65	6	5	3
CV1407	1	57	6	5	3	CV1846	1	48	6	5	3	CV1885	6	65	6	5	3
CV1408	1	57	6	5	3	CV1847	1	48	6	5	3	CV1886	6	65	6	5	3
CV1409	1	57	6	5	3	CV1848	1	48	6	5	3	CV1887	6	65	6	5	3
CV1410	1	57	6	5	3	CV1849	1	48	6	5	3	CV1888	6	65	6	5	3
CV1411	1	57	6	5	3	CV1850	1	48	6	5	3	CV1889	6	65	6	5	3
CV1412	1	57	6	5	3	CV1851	1	48	6	5	3	CV1890	6	65	6	5	3
CV1413	1	57	6	5	3	CV1852	1	48	6	5	3	CV1891	6	65	6	5	3
CV1414	1	57	6	5	3	CV1853	1	48	6	5	3	CV1892	6	65	6	5	3
CV1415	1	57	6	5	3	CV1854	1	48	6	5	3	CV1893	6	65	6	5	3
CV1416	1	57	6	5	3	CV1855	1	48	6	5	3	CV1894	6	65	6	5	3
CV1417	1	57	6	5	3	CV1856	1	48	6	5	3	CV1895	6	65	6	5	3
CV1418	1	57	6	5	3	CV1857	1	48	6	5	3	CV1896	6	65	6	5	3
CV1419	1	57	6	5	3	CV1858	1	48	6	5	3	CV1897	6	65	6	5	3
CV1420	1	57	6	5	3	CV1859	1	48	6	5	3	CV1898	6	65	6	5	3
CV1421	1	57	6	5	3	CV1860	1	48	6	5	3	CV1899	6	65	6	5	3
CV1422	1	57	6	5	3	CV1861	1	48	6	5	3	CV1900	6	65	6	5	3
CV1423	1	57	6	5	3	CV1862	1	48	6	5	3	CV1901	6	65	6	5	3
CV1424	1	57	6	5	3	CV1863	1	48	6	5	3	CV1902	6	65	6	5	3
CV1425	1	57	6	5	3	CV1864	1	48	6	5	3	CV1903	6	65	6	5	3
CV1426	1	57	6	5	3	CV1865	1	48	6	5	3	CV1904	6	65	6	5	3
CV1427	1	57	6	5	3	CV1866	1	48	6	5	3	CV1905	6	65	6	5	3
CV1428	1	57	6	5	3	CV1867	1	48	6	5	3	CV1906	6	65	6	5	3
CV1429	1	57	6	5	3	CV1868	1	48	6	5	3	CV1907	6	65	6	5	3
CV1430	1	57	6	5	3	CV1869	1	48	6	5	3	CV1908	6	65	6	5	3
CV1431	1	57	6	5	3	CV1870	1	48	6	5	3	CV1909	6	65	6	5	3
CV1432	1	57	6	5	3	CV1871	1	48	6	5	3	CV1910	6	65	6	5	3
CV1433	1	57	6	5	3	CV1872	1	48	6	5	3	CV1911	6	65	6	5	3
CV1434	1	57	6	5	3	CV1873	1	48	6	5	3	CV1912	6	65	6	5	3
CV1435	1	57	6	5	3	CV1874	1	48	6	5	3	CV1913	6	65	6	5	3
CV1436	1	57	6	5	3	CV1875	1	48	6	5	3	CV1914	6	65	6	5	3
CV1437	1	57	6	5	3	CV1876	1	48	6	5	3	CV1915	6	65	6	5	3
CV1438	1	57	6	5	3	CV1877	1	48	6	5	3	CV1916	6	65	6	5	3
CV1439	1	57	6	5	3	CV1878	1	48	6	5	3	CV19					

TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O				
CV1911	6	54	6	5	3	CV1945	6	35	6	5	3	CV1964	6	52	6	10	3	CV1990	6	42	6	2	8
CV1912	6	54	6	5	3	CV1946	6	35	6	5	3	CV1965	6	63	6	4	3	CV1991	6	71	6	4	8
CV1926	6	45	6	5	3	CV1947	6	37	6	5	3	CV1966	6	37	6	5	3	CV1992	6	42	6	5	8
CV1928	12	33	2	1	1	CV1948	6	37	6	5	3	CV1967	6	37	6	5	3	CV1993	6	42	6	2	8
CV1929	6	48	6	3	3	CV1949	6	43	6	1	1	CV1968	6	48	6	3	8	CV1994	6	71	6	4	8
CV1930	6	48	6	5	3	CV1950	6	44	6	10	3	CV1969	6	48	6	3	8	CV1995	6	46	6	4	3
CV1931	6	48	6	5	3	CV1951	6	44	6	10	3	CV1970	6	48	6	4	8	CV1996	6	52	6	2	8
CV1932	6	48	6	5	3	CV1952	6	47	6	4	8	CV1971	6	48	6	4	8	CV1997	6	72	6	4	8
CV1933	6	42	6	5	3	CV1953	6	47	6	4	3	CV1972	6	41	6	3	8	CV1998	6	72	6	5	8
CV1934	6	42	6	5	3	CV1954	6	47	6	4	3	CV1973	6	41	6	3	8	CV1999	6	85	6	1	2
CV1935	6	50	6	10	3	CV1955	50	35	2	5	1	CV1974	6	47	6	10	3	CV2000	6	38	6	9	2
CV1936	6	50	6	10	3	CV1956	12	33	6	1	1	CV1975	6	47	6	10	3	CV2001	6	33	9	9	2
CV1937	6	50	6	10	3	CV1957	6	47	6	4	3	CV1976	6	37	6	5	3	CV2002	6	48	5	3	6
CV1938	6	41	6	5	3	CV1958	6	52	6	10	3	CV1977	6	34	5	4	3	CV2003	6	48	5	3	6
CV1940	6	41	6	5	3	CV1959	63	6	4	4	3	CV1978	6	40	6	4	3	CV2004	6	48	5	3	6
CV1941	6	52	6	10	3	CV1960	63	6	5	3	CV1979	6	40	6	4	3	CV2005	6	58	5	6	6	
CV1942	6	52	6	10	3	CV1961	6	52	6	10	3	CV1980	6	43	6	1	8	CV2006	6	40	5	4	6
CV1943	6	52	6	10	3	CV1962	6	63	6	4	3	CV1981	6	43	6	4	8	CV2007	6	52	6	5	8
CV1944	6	35	6	5	3	CV1963	63	6	5	3	CV1982	6	44	6	1	8	CV2008	6	64	6	5	1	
						CV1964	63	6	5	3	CV1983	6	44	6	4	8	CV2009	6	64	6	6	1	
						CV1965	63	6	5	3	CV1984	6	44	6	4	8	CV2010	6	64	6	6	1	
						CV1966	63	6	5	3	CV1985	6	44	6	4	8	CV2011	6	64	6	6	1	
						CV1967	63	6	5	3	CV1986	6	44	6	4	8	CV2012	6	64	6	6	1	
						CV1968	63	6	5	3	CV1987	6	44	6	4	8	CV2013	6	64	6	6	1	
						CV1969	63	6	5	3	CV1988	6	44	6	4	8	CV2014	6	64	6	6	1	
						CV1970	63	6	5	3	CV1989	6	44	6	4	8	CV2015	6	64	6	6	1	
						CV1971	63	6	5	3	CV1990	6	44	6	4	8	CV2016	6	64	6	6	1	
						CV1972	63	6	5	3	CV1991	6	44	6	4	8	CV2017	6	64	6	6	1	
						CV1973	63	6	5	3	CV1992	6	44	6	4	8	CV2018	6	64	6	6	1	
						CV1974	63	6	5	3	CV1993	6	44	6	4	8	CV2019	6	64	6	6	1	
						CV1975	63	6	5	3	CV1994	6	44	6	4	8	CV2020	6	64	6	6	1	
						CV1976	63	6	5	3	CV1995	6	44	6	4	8	CV2021	6	64	6	6	1	
						CV1977	63	6	5	3	CV1996	6	44	6	4	8	CV2022	6	64	6	6	1	
						CV1978	63	6	5	3	CV1997	6	44	6	4	8	CV2023	6	64	6	6	1	
						CV1979	63	6	5	3	CV1998	6	44	6	4	8	CV2024	6	64	6	6	1	
						CV1980	63	6	5	3	CV1999	6	44	6	4	8	CV2025	6	64	6	6	1	
						CV1981	63	6	5	3	CV2000	6	44	6	4	8	CV2026	6	64	6	6	1	
						CV1982	63	6	5	3	CV2001	6	44	6	4	8	CV2027	6	64	6	6	1	
						CV1983	63	6	5	3	CV2002	6	44	6	4	8	CV2028	6	64	6	6	1	
						CV1984	63	6	5	3	CV2003	6	44	6	4	8	CV2029	6	64	6	6	1	
						CV1985	63	6	5	3	CV2004	6	44	6	4	8	CV2030	6	64	6	6	1	
						CV1986	63	6	5	3	CV2005	6	44	6	4	8	CV2031	6	64	6	6	1	
						CV1987	63	6	5	3	CV2006	6	44	6	4	8	CV2032	6	64	6	6	1	
						CV1988	63	6	5	3	CV2007	6	44	6	4	8	CV2033	6	64	6	6	1	
						CV1989	63	6	5	3	CV2008	6	44	6	4	8	CV2034	6	64	6	6	1	
						CV1990	63	6	5	3	CV2009	6	44	6	4	8	CV2035	6	64	6	6	1	

Normal shorts refer to position of "C" switch.



TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O	TUBE TYPE	Heater	A	B	O				
CV2507	1	52	5	6	6	CV2938	6	35	6	5	3	D2M9	6	33	6	2	1	DCC90	3	45	4	3	6
CV2522	6	35	6	1	1	CV2975	6	33	1	2	2	D63	6	33	6	7	1	DD6	6	45	4	5	6
CV2524	6	33	6	1	1	CV2983	3	45	5	6	6	D77	6	48	6	5	3	DF33	2	53	6	10	3
CV2526	6	40	6	1	1	CV2984	6	35	6	1	8	D152	6	33	6	2	1	DF91	1	55	5	6	6
						CV3512	6	34	5	6	1	D193	3	36	5	4	6	DF92	1	55	5	6	6
						CV3523	6	38	1	5	3	D199	3	36	5	4	6	DF97	1	40	5	6	6
						CV3798	50	70	3	5	3	DA90	2	70	2	6	6	DF97	1	40	5	6	6
						CV4007	6	33	6	2	1	DAC32	1	55	10	3	3	DF97	1	40	5	6	6
						CV4010	6	33	6	7	1	DAF91	1	56	6	6	6	DF97	1	40	5	6	6
						CV4018	6	32	5	1	1	DAF92	2	55	6	6	6	DF97	1	40	5	6	6
						CV4024	12	32	10	2	2	DAF96	1	58	6	6	6	DF97	1	40	5	6	6
						CV1911-DH77	6	40	2	9	2	DC90	1	70	6	3	6	DF97	1	40	5	6	6

Normal shorts refer to position of "G" switch.

TUBE TYPE	Heater	A	B	O	Booklet	TUBE TYPE	Heater	A	B	O	Booklet	TUBE TYPE	Heater	A	B	O	Booklet	TUBE TYPE	Heater	A	B	O	Booklet	
DH107	19	39	6	1	1	DL91	1	*55	5	3	6	DY802	1	*99	1	10	7	E91H	6	32	6	1	1	
		64	6	5	1	*Normally shows short position 2-6.												E91N	6	32	5	1	1	
		64	6	6	1	DL92	3	*48	5	3	6	*Tube good if it reads 40 or more.						E92CC	6	27	6	6	1	
DH149	6	50	4	3	4	*Normally shows short position 2-6.						Normally shows short position 6-11.												
		68	4	5	4	DL93	3	*36	5	4	6							E99F	6	32	6	1	1	
		68	4	6	4	*Normally shows short position 2-6.																		
DH710	6	43	6	8	2	DL94	3	45	5	6	6	E80CC	12	42	10	2	2	E180F	6	27	3	2	2	
		35	6	2	2	DL95	3	*42	5	3	6	E80CC	6	28	9	9	2	E182CC	6	28	9	7	2	
		35	6	1	2	*Normally shows short position 2-6.													E188CC	6	24	6	2	2
		35	6	6	2	DL96	2	48	5	6	6	E80CF	6	25	6	2	2	E188CC	6	24	6	2	2	
DH719	6	43	6	8	2	DP61	6	33	2	1	1	E80F	6	39	8	9	2	E235L	6	30	4	5	3	
		35	6	2	2	DY30	1	*96	3	10	3	E80L	6	29	1	2	2	E280F	6	22	1	2	2	
		35	6	1	2	*Normally shows short position 5-8-11.						E80T	6	72	6	2	2	EAA91	6	33	6	2	1	
DK32	1	57	6	5	3	DY80	1	*99	1	10	7	E81L	6	26	1	2	2	EABC80	6	33	6	7	1	
		57	5	4	4	*Tube good if it reads 20 or more.						E83F	6	25	6	2	2							
DK91	1	48	6	4	6	*Normally shows short position 6-11.						E88CC	6	28	6	2	2							
DK92	1	48	6	4	6	DY86	1	*95	1	10	7	E90CC	6	32	6	5	1							
DK96	1	54	6	4	6	*Normally shows short position 6-11.						E90F	6	32	6	6	1							
DL33	3	45	9	5	3	DY87	1	*95	1	10	7	E91AA	6	33	6	2	1							
DL35	1	54	6	5	3	*Normally shows short position 6-11.																		
DL36	1	48	6	5	3																			

Normal shorts refer to position of "C" switch.

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TUBE TYPE	Heater	A	B	O	Booklet	TUBE TYPE	Heater	A	B	O	Booklet	TUBE TYPE	Heater	A	B	O	Booklet	TUBE TYPE	Heater	A	B	O	Booklet	
EBC90	6	39	6	1	1	EC90	6	41	1	6	1	ECC88	6	31	6	2	2	ECF200	6	32	6	3	13	
		64	6	5	1	EC91	6	*29	7	1	1	ECC89	6	29	6	2	2	ECF201	6	38	6	10	13	
		64	6	6	1	*Normally shows short position 2-5.						ECC901S	12	32	10	2	2	ECF202	6	40	6	10	13	
EBC91	6	40	6	1	1	EC92	6	30	6	6	1	ECC91	6	34	6	5	1							
		67	6	5	1	EC95	6	33	1	2	1	ECC189	6	30	6	2	2							
EBF80	6	37	6	2	2	EC97	6	33	1	2	1	ECC801S	12	32	10	2	2	ECF801	6	34	3	2	2	
		64	6	7	2	EC900	6	27	2	1	1	ECC802S	12	40	10	2	2	ECF802	6	26	3	9	2	
		64	6	8	2	EC935	6	43	6	1	8	ECC808	6	36	6	1	2							
EBF83	6	31	6	2	2	ECC81	12	32	10	2	2	ECC960	6	32	6	5	1	ECF803	6	34	6	6	2	
		62	6	7	2	ECC82	12	40	10	2	2	ECC801S	12	32	10	2	2	ECF805	6	33	9	9	2	
		62	6	8	2	ECC83	12	40	10	2	2	ECC808	6	36	6	1	2	ECF805	6	30	9	7	2	
EBF89	6	33	6	2	2	ECC84	6	33	8	2	2	ECC960	6	36	6	9	2	ECF805	6	38	6	9	2	
		60	6	7	2	ECC85	6	32	6	2	2	ECC801S	12	32	10	2	2	ECF805	6	38	6	9	2	
		60	6	8	2	ECC86	6	33	6	2	2	ECC801S	12	32	10	2	2	ECF805	6	38	6	9	2	
EC81	6	35	6	1	2	ECC87	6	33	8	2	2	ECC801S	12	32	10	2	2	ECF805	6	38	6	9	2	
EC86	6	29	3	6	7	ECC88	6	*85	7	8	2	ECC801S	12	32	10	2	2	ECF805	6	38	6	9	2	
EC88	6	*85	7	8	2	ECC89	6	32	6	2	2	ECC801S	12	32	10	2	2	ECF805	6	38	6	9	2	
						*Normally shows short position 1-3-7-9.						ECC801S	12	32	10	2	2	ECF805	6	38	6	9	2	
DH107-ECL80						ECC86	6	33	6	2	2	ECC801S	12	32	10	2	2	ECF805	6	38	6	9	2	
						ECC86	6	33	6	7	2	ECC801S	12	32	10	2	2	ECF805	6	38	6	9	2	

Normal shorts refer to position of "C" switch.

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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
QS150/40	50	*99	3	5	3	U50	5	*51	6	4	3	UABC80	25	43	6	8	2	UU12	6	34	6	1	2
*Tube good if it reads 60 or more.																							
*Normally shows short position 11.																							
QV03/12	6	33	9	9	2	U52	5	*40	6	4	3	UBF80	17	30	6	2	2	UV82	50	29	6	9	2
*Normally shows grid emission.																							
QV06/20	6	*38	1	5	3	U54	5	*30	6	4	3	UCC84	22	33	8	2	2	UV85	38	35	1	6	7
*Normally shows short position 4-6.																							
R52	5	*36	6	4	3	U78	6	44	6	1	1	UCC85	25	32	6	2	2	V2M70	6	44	6	1	1
*Normally shows short position 8-11.																							
SN7	1	*96	3	10	3	U147	6	40	6	3	3	UCF80	25	31	6	2	2	V-884	6	35	6	1	1
*Normally shows short position																							
5-8-11.																							
SP6	6	30	6	1	1	U149	6	45	6	3	4	UCH81	19	32	6	2	2	VP6	6	35	6	1	1
*Normally shows short position																							
T2M05	6	34	6	5	1	U153	17	30	2	9	2	UCL82	50	33	6	3	2	VP1321	12	*55	1	5	1
*Normally shows short position																							
TS51	6	33	2	1	1	U154	19	29	6	9	2	UF86	12	40	2	9	2	*Normally shows short position 2-7.					
*Normally shows short position																							
TSS2	6	34	6	5	1	U192	6	34	6	1	2	UF89	12	34	1	2	2	VR-75	50	*70	3	5	3
*Normally shows short position																							
TS-876C	6	*28	1	2	2	U709	6	34	6	7	2	UL84	50	33	1	2	2	VR-90	50	*69	3	5	3
*Normally shows short position 3-9.																							

*Normal Shorts refer to position of "C" Switch.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket						
VR-150	50	*99	3	5	3	VT93	6	55	6	10	3	VT112	6	33	6	4	3	X/2/	6	30	6	1	1
*Tube good if it reads 60 or more.																							
*Normally shows short position 11.																							
VT52	7	41	6	5	3	VT94	6	42	6	5	3	VT114	5	*38	6	4	3	X8767A	6	34	6	5	3
*Normally shows grid emission.																							
VT65	6	46	6	5	3	VT96	6	47	6	4	3	VT115	6	37	6	5	3	XC97	2	33	1	2	1
*Normally shows short position 8-11.																							
VT66	6	54	6	5	3	VT97	5	*52	6	4	3	VT116	6	35	6	4	3	XC900	2	27	2	1	1
*Normally shows short position 8-11.																							
VT74	5	*36	6	4	3	VT99	6	45	6	5	3	VT117	6	40	6	4	3	XCC189	4	30	6	2	2
*Normally shows short position 8-11.																							
VT86	6	52	6	10	3	VT102	6	41	6	5	3	VT124	1	55	6	5	3	XCf80	4	31	6	2	2
*Normally shows short position 8-11.																							
VT87	6	44	6	10	3	VT103	6	42	6	2	8	VT125	1	54	6	5	3	XCf86	5	24	3	2	2
*Normally shows short position 8-11.																							
VT88	6	52	6	10	3	VT104	12	42	6	2	8	VT126	6	40	6	3	3	XCf88	5	24	3	2	2
*Normally shows short position 8-11.																							
VT90	6	48	6	3	3	VT105	6	48	6	3	8	VT134	12	45	6	5	3	XCf801	4	24	3	2	2
*Normally shows short position 8-11.																							
VT91	6	50	6	10	3	VT107	6	41	6	5	3	W17	1	55	5	6	6	XCf81	3	85	6	1	2
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT109	6	45	6	2	8	W19	6	33	1	2	2	XCL82	8	33	6	3	2
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT110	6	45	6	5	3	W27	6	33	2	1	1	XCL84	8	39	6	1	2
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT111	6	45	6	5	3	X63(M)	6	45	6	5	3	XCL85	18	29	6	9	2
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT112	6	45	6	5	3	X73(M)	6	45	6	5	3	XF80	3	33	1	2	2
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT113	6	45	6	5	3	X107	19	35	6	1	1						
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT114	6	45	6	5	3	X155	6	30	6	2	2						
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT115	6	45	6	5	3												
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT116	6	45	6	5	3												
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT117	6	45	6	5	3												
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT118	6	45	6	5	3												
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT119	6	45	6	5	3												
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT120	6	45	6	5	3												
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT121	6	45	6	5	3												
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT122	6	45	6	5	3												
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT123	6	45	6	5	3												
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT124	6	45	6	5	3												
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT125	6	45	6	5	3												
*Normally shows short position 8-11.																							
VT99	6	45	6	5	3	VT126	6	45	6	5	3												
*Normally shows short position 8-11.																							

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater			TUBE TYPE	Heater			TUBE TYPE	Heater			TUBE TYPE	Heater		
	A	B	O		A	B	O		A	B	O		A	B	O
XF85	3	33	1	2	2	2	2	ZD17	1	55	5	3	6		
XF183	3	30	3	2	2	2	2	*Normally shows short position 2-6.							
XF184	3	29	3	2	2	2	2	ZD25	1	58	6	6	6		
XL36	12	*25	9	5	3	3	3	ZD151	6	70	6	3	6		
*Normally shows short position 1-4.															
XL84	8	33	1	2	2	2	2	Z152	6	64	6	8	2		
XL86	8	*30	1	2	2	2	2	Z719	6	37	6	2	2		
*Normally shows short position 7-8.															
XL500	13	*26	1	2	10	10	10	Z729	6	64	6	7	2		
*May show short position 3-6-7-8.															
XXL	6	41	6	6	4	4	4	Z14	2	53	6	10	3		
Z63	6	50	6	10	3	3	3	Z151	6	37	6	2	2		
XY88*	16	30	7	3	7	7	7	Z152	6	64	6	7	2		
*If no test, use alternate settings.															
XY88	16	30	3	7	7	7	7	Z152	6	37	6	2	2		
Z719	6	33	1	2	2	2	2	Z152	6	37	6	2	2		
Z729	6	40	2	9	2	2	2	Z152	6	64	6	7	2		

XF85-ZD152

◆Use TC-80 Adapter