

RE 18X21  
X21

### 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 Magnoval Tubes Into the Socket All The Way

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
OA3	50	*65	3	5	3	OD3A	50	*99	3	5	3	1AX2	1	*99	1	10	7	1BK2	1	*99	1	10	7
*Normally shows short position 11. *Normally shows grid emission.						*Tube good if it reads 60 or more. *Normally shows short position 11. *Normally shows grid emission.						*Tube good if it reads 20 or more. *Normally shows short position 6-11. 1AY2* 1 95 6 10 9 *Connect two leads from 1AY2 bottom pins to pin holes No. 1 and 12 of Socket No. 9.						*Tube good if it reads 40 or more. *Ignore all shorts except on position 10.					
OA3A	50	*65	3	5	3	IA3	2	*70	2	6	6	1B3	1	*98	3	10	3	1BQ2	1	*99	1	10	7
*Normally shows short position 11. *Normally shows grid emission.						*Normally shows short position 5-11. 1A5 2 53 6 5 3 1A7 2 54 6 5 3 1AB6 1 54 6 4 6 1AC6 1 48 6 4 6						*Ignore all shorts except on position 10.						*Tube good if it reads 40 or more. Normally shows short position 6-11.					
OB3	50	*62	3	5	3	1AD2▲	1	*99	5	10	3	1B7	1	55	6	5	3	1BX2	1	*99	1	10	7
*Normally shows short position 11. *Normally shows grid emission. Tube good if it reads 15 or more.						1AF4 1 50 5 6 6 1AH5 1 58 6 6 6 1AJ4 1 58 5 6 6						*Normally shows short position 6-11. **Tube good if it reads 40 or more.						REPLACE No short test. X2C 1BY2▲ 1 *99 5 10 3 *Tube good if it reads 14 or more.					
OC3	50	*75	3	5	3	1AN5	1	40	5	6	6	1BC2	1	**99*	1	10	7	1C1	1	57	5	4	6
*Normally shows short position 11. *Normally shows grid emission.						1AU2 1 *100 1 9 2 *Tube good if it reads 20 or more.						*Insert leads into pins 4 & 5 of socket #2. Top cap goes to top lead.						1C2 1 48 6 4 6 1C3 1 54 6 4 6 1C5 2 48 6 5 3					
OC3A	50	*75	3	5	3	1AU3	1	*99	9	10	3	1BG2	1	*95	6	10	2	1C7	2	54	6	5	3
*Normally shows short position 11. *Normally shows grid emission.						*Tube good if it reads 15 or more.						*Connect two leads from solder lugs of the 1BH2 to pin holes No. 1 and 12 of Socket No. 9.						1D5 2 54 6 10 3 1D13 2 *70 2 6 6 1D8 2 53 6 5 3 *Normally shows short position 5-11					
OD3	50	*99	3	5	3	*Ignore all shorts except on position 10.						55 6 10 3 75 6 8 3						1D8 2 53 6 5 3					
*Normally shows short position 11. *Normally shows grid emission																							

▲Use TC-70 Adapter.

Normal shorts refer to position of "C" switch.

1



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
ID-K1	1	*95	6	10	2	1FD9	1	56	6	6	6	1K3	1	*99	9	10	3	1P5	2	53	6	10	3
*Insert leads into pins 4 & 5 of socket #2. Top cap goes to top lead.						95 6 3 6 1G3 1 *97 6 10 3 *Ignore all shorts except on position 10.						*Tube good if it reads 20 or more. *Ignore all shorts except on position 10.						1P10 3 *48 5 3 6 *Normally shows short position 2-6.					
IDK29	1	*95	6	10	2	1G6	1	55	6	4	3	1L4	2	52	5	6	6	1P11	3	45	5	6	6
*Insert leads into pins 4 & 5 of socket #2. Top cap goes to top lead.						1H2 1 *97 1 10 7 *Tube good if it reads 40 or more. *Normally shows short position 6-11.						1L6 2 56 6 4 6 1LA4 2 53 6 6 4 1LA6 2 58 6 4 4 1LB4 2 53 6 6 4 1LC5 1 54 5 6 4						1Q5 2 40 6 5 3 1R4 2 65 6 4 4 1R5 2 53 5 4 6 1R-K23 1 *98 1 10 7 *Normally shows short position 6-11					
1DN5	2	54	6	6	6	1H5	1	55	6	10	3	1LC6	2	59	6	4	4	1R-K41	1	*99	1	10	7
1DY4 1 *33 2 6 1 *Normally shows short position 1-7.						1H6 2 54 6 6 3 65 6 4 3 65 6 5 3						1LD5 2 53 6 6 4 63 6 4 4 1LE3 1 55 6 6 4 1LG5 2 50 5 6 4						*Tube good if it reads 40 or more. *Ignore all shorts except on position 10.					
1F1	1	58	5	6	6	1H35	1	54	6	4	6	1LH4	2	52	6	6	4	1S2-A	1	*98	1	10	7
1F2	1	55	5	6	6	1J3	1	*99	9	10	3	1LN5	2	50	5	6	4	1S4	2	*44	5	3	6
1F3	1	55	5	6	6	*Tube good if it reads 30 or more. *Ignore all shorts except on position 10.						1N2-A 1 *95 9 10 3 *Ignore all shorts except on position 10.						*Normally shows short position 2-6.					
1F5	2	48	6	5	3	1J6	2	53	6	4	3	1N5	2	53	6	10	3	1S5	2	54	6	6	6
1F7	2	54	6	10	3	53 6 5 3						1T4 2 50 5 6 6						1T5 1 54 6 5 3 1U4 2 49 5 6 6					
1FD1	1	58	6	6	6																		
64 6 4 3 67 6 5 3 70 6 3 6																							

OA3-1U4

▲Use TC-70 Adapter.

Normal shorts refer to position of "C" switch.

2

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
1U5	2	54	6	6	6	2BN4	2	*33	2	7	1	2DZ4	2	*31	7	2	1	2HA5	2	27	2	1	1
		75	6	4	6	*Normally shows short position 1-6.						*Normally shows short position 1-7.						2HK5	2	27	2	1	1
1V2	1	*99	6	1	7	2BU2▲	2	*90	5	10	3	2E26	6	*40	1	5	3	2HM5	2	27	2	1	1
*Tube good if it reads 50 or more.						*Tube good if it reads 40 or more.						*Normally shows short position 4-6.						2HQ5	2	29	2	1	1
1X2	1	*99	1	10	7	2CN3A	2	*94	5	10	3	2EA5	2	33	2	1	1	2HR8	2	35	2	9	2
*Normally shows short position 6-11.						*Normally shows short position 3-11.						2EG4	2	*80	6	2	5	2T4	2	*33	2	6	1
2AF4	2	*33	2	6	1	2CW4	2	*87	6	2	5	*For grid emission turn C switch to position 4.						*Normally shows short position 1-7.					
*Normally shows short position 1-7.						*For grid emission turn C switch to position 4.						2EN5	2	37	6	2	1	3A2	3	*98	1	10	7
2AH2▲	2	*99	5	10	3	2CY5	2	35	2	1	1						*Normally shows short position 6-11.						
*Tube good if it reads 40 or more.						2D21	6	32	5	1	1	2ER5	2	33	1	2	1	3A3	3	*99	3	10	3
2AS2▲	2	*99	5	10	3	2DL4	2	*85	7	8	2	2ES5	2	33	1	2	1	*Tube good if it reads 40 or more.					
*Tube good if it reads 35 or more.						*Normally shows short position 1-3-7-9.						2EV5	2	33	2	1	1	*Ignore all shorts except on position 10.					
2AV2	2	*99	6	1	7	2DS4	2	*87	6	2	5	2FH5	2	33	1	2	1	3A3A	3	*99	3	10	3
*Tube good if it reads 30 or more.						*For grid emission turn C switch to position 4.						2FQ5	2	33	1	2	1	*Tube good if it reads 40 or more.					
2AZ2	2	*99	1	10	7	2DX4	2	*69	1	7	1	2FQ5A	2	31	1	2	1	*Ignore all shorts except on position 10.					
*Normally shows short position 6-11.						*Normally shows short position 2-6.						2FS5	2	27	2	1	1	3A4	3	*36	5	4	6
2B3	2	95	9	10	3	2DY4	2	*33	2	6	1	2FV6	2	33	6	1	1	*Normally shows short position 2-6.					
2BA2	2	92	6	1	7	*Normally shows short position 1-7.						2FY5	2	33	1	2	1	3A5	3	45	4	3	6
2BJ2	2	*99	1	10	7							2GK5	2	25	1	2	1						
*Tube good if it reads 45 or more.												2GU5	2	27	2	1	1						
**Normally shows short position 6-11.												2GW5	2	25	2	6	1						

▲Use TC-70 Adapter.

Normal shorts refer to position of "C" switch.

3



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
3A8	3	54	1	10	3	3AW3	3	*99	3	10	3	3BU8	3	33	6	7	2	3CS6	3	35	6	1	1
		55	1	5	3	*Tube good if it reads 40 or more.						3BW2▲	3	*95	5	10	3	3CU3	3	*90	9	10	3
		92	1	8	3	*Ignore all shorts except on position 10.						*Tube good if it reads 40 or more.						*Ignore all shorts except on position 10.					
3AF4	3	*33	2	6	1	3B7	3	45	4	3	4	3BX6	3	33	1	2	2	3CV3	3	*100	3	10	3
*Normally shows short position 1-7.												3BY6	3	35	6	1	1	*Tube good if it reads 40 or more.					
3AJ8	3	85	6	1	2	3BA6	3	33	2	1	1	3BY7	3	33	1	2	2	*Ignore all shorts except on position 10.					
		38	6	9	2	3BC5	3	35	2	1	1	3BZ6	3	31	6	1	1						
3AL5	3	33	6	2	1	3BE6	3	35	6	1	1	3C2	3	*90	5	10	3	*Normally shows short position 4-6-8-11.					
		33	6	7	1	3BL2	3	*90	9	10	9												
3AT2	3	*97	9	10	9	*Normally shows short position 2-5-6-9-11.						3C4	2	48	5	6	6	3CY3	3	*99	1	10	3
*Tube good if it reads 40 or more.						3BM2▲	3	90	5	10	3	3CA3	3	*99	3	10	3	*Tube good if it reads 40 or more.					
**Normally shows short position 2-5-6-9-11.						3BN2▲	3	*99	5	10	3	*Tube good if it reads 40 or more.						*Ignore all shorts except on position 10.					
3AU6	3	33	6	1	1	*Tube good if it reads 35 or more.						3CB6	3	33	6	1	1	3D6	2	43	8	6	4
3AV6	3	40	6	1	1	3BN4	3	*33	2	7	1	3CE5	3	35	2	1	1	3DB3	3	*99	1	10	3
		78	6	5	1	*Normally shows short position 1-6.						3CF6	3	33	6	1	1	*Tube good if it reads 40 or more.					
		78	6	6	1	3BN6	3	99	6	5	1	3CN3	3	*94	5	10	3	*Ignore all shorts except position 10.					
3AW2▲	3	93	5	10	3	3BS2▲	3	94	5	10	3	*Normally shows short position 3-11.						*Tube good if it reads 40 or more.					
						3BS2▲	3	94	5	10	3	3CN3A	3	*94	5	10	3	3DG4	4	30	6	5	12
						3BT2▲	3	*95	5	10	3	*Normally shows short position 3-11.											
						*Tube good if it reads 40 or more.																	

**1U5-3DG4**

▲Use TC-70 Adapter.

Normal shorts refer to position of "C" switch.

4

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
3DJ3	3	*95	9	10	3	3GK5	3	25	1	2	1	3JD6	3	26	1	2	2	4AV6	4	40	6	1	1
*No short test.						3GK6	3	33	3	2	2	3KF8	3	38	6	7	2	4AV6	4	78	6	5	1
*Tube good if it reads 20 or more.						3GS8	3	33	6	7	2	3KT6	3	25	1	2	2	4BA6	4	33	2	1	1
3DK6	3	33	6	1	1	3GU5	3	27	2	1	1	3L35	3	*36	5	4	6	4BC5	4	35	2	1	1
3DT6	3	33	6	1	1	3GW5	3	25	2	6	1	*Normally shows short position 2-6						4BC8	4	33	6	2	2
3DX4	3	*69	1	7	1	3GY5	3	*25	5	9	9	3LF4	3	43	8	6	4	4BC8	4	33	6	2	2
*Normally shows short position 2-6.						*Normally shows short position 1-3-4-7-10.						3M-P26	3	40	6	1	1	4BE6	4	35	6	1	1
3DY4	3	*33	2	6	1	3HA5	3	27	2	1	1	3M-R24	3	35	6	1	1	4BL8	4	31	6	2	2
*Normally shows short position 1-7.						3HE7	3	27	11	2	9	3M-V7	3	35	6	1	1	4BL8	4	31	6	2	2
3DZ4	3	*31	7	2	1	*Normally shows short position 1-7.						3Q4	3	*42	5	3	6	4BN4	4	*33	2	7	1
*Normally shows short position 1-7.						3HF5	3	25	11	9	9	*Normally shows short position 2-6.						*Normally shows short position 1-6.					
3EA5	3	33	2	1	1	*Normally shows short position 1-3-4-7-10.						3Q5	3	45	9	5	3	4BN6	4	99	6	5	1
3EA5	3	33	2	1	1	3HK5	3	27	2	1	1	3S4	3	*48	5	3	6	4BQ7	4	32	6	2	2
3EH7	3	30	3	2	2	*Normally shows short position 1-3-4-6-8-10.						3V4	3	45	5	6	6	4BQ7	4	32	6	7	2
3EJ7	3	29	3	2	2	3HM5	3	27	2	1	1	4AB8	4	37	6	9	2	4BS8	4	32	6	2	2
3ER5	3	33	1	2	1	3HM6	3	24	3	2	2	4A6	4	44	6	2	2	4BS8	4	32	6	7	2
3ES5	3	33	1	2	1	3HQ5	3	29	2	1	1	4AU6	4	33	6	1	1	4BU8	4	33	6	7	2
3EV5	3	33	2	1	1	3HS8	3	30	6	7	2	4AU8	4	31	6	7	2	4BX6	4	33	1	2	2
3FH5	3	33	1	2	1	3HT6	3	28	3	2	2	*Normally shows short position 2-6.						4BX8	4	33	6	2	2
3FQ5	3	33	1	2	1	3JC6	3	26	3	2	2	4A8	4	32	6	2	2	4BX8	4	33	6	2	2
3FQ5A	3	31	1	2	1	3JC6A	3	26	3	2	2	*Normally shows short position 2-6.						4BZ6	4	33	6	7	2
3FS5	3	27	2	1	1	3JC6A	3	26	3	2	2	*Normally shows short position 2-6.						4BZ6	4	31	6	1	1
3FY5	3	33	1	2	1																		

Normal shorts refer to position of "C" switch.

5



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
4BZ7	4	32	6	2	2	4EW6	4	29	6	1	1	4HM5	4	27	2	1	1	4LJ8	4	*95	3	2	2
4BZ8	4	30	6	2	2	4GJ7	4	24	3	2	2	4HM6	4	24	3	2	2	4LJ8	4	**93	3	7	2
4CB6	4	33	6	1	1	4GK5	4	25	1	2	1	4HQ5	4	29	2	1	1	*For grid emission turn C switch to position 1.					
4CE5	4	35	2	1	1	4GM6	4	30	6	1	1	4HR8	4	35	2	9	2	**For grid emission turn C switch to position 9.					
4CM4	4	29	3	6	7	4GS7	4	30	9	9	2	4HS8	4	30	6	7	2	4LU6	4	30	6	1	1
4CS6	4	35	6	1	1	4GS8	4	33	6	7	2	4HT6	4	28	3	2	2	4MK8	4	34	6	7	2
4CY5	4	35	2	1	1	4GW5	4	25	2	6	1	4JC6	4	26	3	2	2	4M-P12	4	34	6	1	1
4DE6	4	30	6	1	1	4GX6	4	25	6	1	1	4JC6A	4	26	3	2	2	4M-P26	4	40	6	1	1
4DK6	4	33	6	1	1	4GX7	4	26	3	2	2	4JD6	4	26	1	2	2	4R-HH2	4	27	6	2	2
4DL4	4	*85	7	8	2	4GZ5	4	26	2	5	1	4JH6	4	25	6	1	1	4R-HH8	4	86	6	1	2
*Normally shows short position 1-3-7-9.						4HA5	4	27	2	1	1	4JK6	4	26	6	1	1	4RHH15	4	90	6	6	2
4DT6	4	33	6	1	1	4HA7	4	35	5	9	9	4JL6	4	26	6	1	1	4RHH15	4	37	6	2	2
4EH7	4	30	3	2	2	*Normally shows short position 7-10.						4JW8	4	29	6	2	2	5AF4	5	*33	2	6	1
4EJ7	4	29	3	2	2	4HC7	4	*40	5	9	9	4KE8	4	26	6	2	2	*Normally shows short position 1-7.					
4ER5	4	33	1	2	1	4HG8	4	24	3	2	2	4KF8	4	33	6	7	2	5AF11	5	31	6	1	9
4ES8	4	30	6	2	2	*Normally shows short position 7-10.						4KN8	4	86	6	1	2	*Normally shows short position 1-7.					
*Normally shows short position 7-10.						4HK5	4	25	1	6	2	4KT6	4	25	1	2	2	*Normally shows short position 1-7.					
*Normally shows short position 7-10.																							

3DJ3-5AF11

Normal shorts refer to position of "C" switch

6



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			
5V4	5	*35	6	4	3	5Z4	5	*36	6	4	3	6AD10	6	30	6	3	9	6AH9	6	37	5	2	9			
		*35	6	6	3			*36	6	6	3				33	6	8	9			30	5	6	9		
		*Normally shows short position 8-11.							*Normally shows short position 8-11.							*Normally shows short position 1-7.							36	2	1	1
5V6	5	41	6	5	3	5Z10	5	*40	6	4	3	6AF3	6	32	2	9	2	6AJ5	6	36	6	4	3			
5V9	5	34	6	3	13			*40	6	6	3	6AF4	6	*33	2	6	1	6AJ7	6	33	6	4	3			
		32	6	8	13			*Normally shows short position 8-11.					6AF9	6	30	8	1	13	6AJ8	6	85	6	1	2		
5W4	5	*52	6	4	3	6A8	6	45	1	5	3	6AF11	6	30	2	8	13	6AJ9	6	29	6	3	13			
		*52	6	6	3	6AB4	6	30	6	6	1			31	6	1	9			38	6	9	2			
		*Normally shows short position 8-11.					6AB7	6	35	1	4	3			31	6	6	9	6AK5	6	33	6	10	13		
5X4	5	47	6	3	8	6AB8	6	37	6	9	2			35	6	3	9	6AK6	6	43	6	1	1			
		47	6	5	8			44	6	2	2	6AG5	6	31	2	1	1	6AK7	6	32	6	4	3			
5X8	5	30	6	7	2	6AC5	6	40	6	5	3	6AG7	6	32	1	4	3	6AK8	6	43	6	8	2			
		32	6	2	2	6AC7	6	33	1	4	3	6AG9	6	30	6	5	9			35	6	2	2			
5X9	5	32	6	3	13	6AC9	6	28	3	9	9			28	6	1	9			35	6	1	2			
		38	6	10	13			47	3	2	9	6AG11	6	28	6	8	9			35	6	6	2			
5Y3	5	*51	6	4	3			35	2	3	9			28	6	5	9	6AK9	6	30	7	10	9			
		*51	6	6	3	6AC10	6	30	6	1	9			34	6	10	9			40	7	3	9			
		*Normally shows short position 8-11.							30	6	7	9			34	6	3	9			30	7	8	9		
5Y4	5	52	6	3	8	6AD7	6	54	6	5	3	6AH4	6	33	6	1	3	6AK10	6	30	6	1	9			
		52	6	5	8			62	6	1	3	6AH6	6	32	6	1	1			30	6	7	9			
												6AH7	6	48	6	1	8			30	6	9	9			
														48	6	5	8									

Normal shorts refer to position of "C" switch.

9

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	
6AL3*	6	27	7	3	7	6AN8	6	32	6	8	2	6AS8	6	31	6	2	2	6AV11	6	35	6	1	9	
		*If no test, use alternate settings.							32	6	2	2			32	6	6	2			35	6	7	9
6AL3	6	27	3	7	7	6AQ4	6	*29	7	1	1	6AS11	6	27	6	1	9			35	6	9	9	
6AL5	6	33	6	2	1			*Normally shows short position 2-5.							34	6	6	9	6AW8	6	32	6	7	2
		33	6	7	1	6AQ5	6	35	1	7	1			34	6	3	9			33	6	2	2	
6AL9	6	30	6	5	9	6AQ6	6	40	6	1	1	6AT6	6	39	6	1	1	6AX2	6	*99	1	10	7	
		28	6	1	9			82	6	5	1			72	6	5	1			*Tube good if it reads 20 or more.				
6AL11	6	31	6	3	9	6AQ7	6	82	6	6	1	6AT8	6	33	6	9	2			*Normally shows short position 6-11.				
		27	6	8	9			45	6	4	8			35	6	1	2	6AX3	6	34	4	10	9	
6AM5	6	34	6	1	1	6AQ8	6	65	6	3	8	6AU4	6	33	1	5	8	6AX4	6	35	6	5	8	
6AM6	6	30	6	1	1			32	6	2	2	6AU5	6	40	6	1	3	6AX5	6	53	6	3	3	
6AM8	6	30	6	8	2	6AR5	6	47	6	1	1	6AU6	6	33	6	1	1	6AX7	6	42	10	2	2	
		30	6	8	2	6AR8	6	30	6	6	2	6AU7	6	40	10	2	2	6AX8	6	33	6	2	2	
6AN4	6	*30	2	6	1			65	6	1	8			40	10	7	2							
		*Normally shows short position 1-7.					6AR11	6	28	6	5	9	6AU8	6	31	6	7	2			33	6	9	2
6AN5	6	33	2	1	1			28	6	10	9			32	6	2	2	6AY3	6	30	8	2	10	
6AN6	6	55	6	2	6	6AS5	6	36	2	5	1	6AV5	6	33	6	1	3	6AY3B	6	30	8	2	10	
		55	6	3	6	6AS6	6	35	6	1	1	6AV6	6	40	6	1	1	6AY11	6	30	6	5	9	
		55	6	4	6	6AS7	6	35	6	1	8			78	6	5	1			30	6	8	9	
		55	6	5	6			35	6	4	8									30	6	3	9	
														78	6	6	1			30	6	10	9	

**5V4-6AY11**

◆ Use TC-80 Adapter

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				
6AZ8	6	32	6	6	2	6BA11	6	29	6	4	9	6BE7	6	33	3	7	2	6BH11	6	27	6	4	9				
		36	6	9	2			37	6	9	9	6BE8	6	*33	6	9	2			27	6	6	9				
6B4	6	35	6	5	3	6B-B14♦	6	*33	2	1	10			*33	6	1	2			27	6	8	9				
6B6	6	37	6	10	3	*Normally shows short position 3-6-7-8.								*Normally shows short position 3.								6BJ3	6	26	4	10	9
		58	6	4	3							6BF5	6	39	1	7	1			6BJ6	6	34	6	1	1		
						6BC4	6	28	3	7	7	6BF6	6	50	6	1	1			6BJ7	6	33	6	2	2		
6B8	6	58	6	10	3	6BC5	6	35	2	1	1			78	6	5	1				33	6	6	2			
		75	6	4	3	6BC7	6	32	6	2	2			78	6	6	1				33	6	8	2			
		75	6	5	3			32	6	6	2	6BF8	6	32	6	1	2			6BJ8	6	38	6	8	2		
6B10	6	43	6	3	9			32	6	8	2			32	6	2	2				34	6	1	2			
		43	6	5	9	6BC8	6	33	6	2	2			32	6	3	2				34	6	6	2			
		34	6	8	9			33	6	7	2			32	6	7	2				6BK4Δ	6	87	7	5		
		34	6	10	9	6BC32	6	40	6	1	1			32	6	8	2				6BK4AΔ	6	87	7	5		
6B31	6	33	6	2	1			67	6	5	1			32	6	9	2				6BK4BΔ	6	87	7	5		
		33	6	7	1			67	6	6	1			6BF11	6	25	6	3	9		6BK5	6	37	3	7		
6B32	6	33	6	2	1	6BD5	6	33	6	1	3				25	6	8	9			6BK6	6	39	6	1		
		33	6	7	1	6BD6	6	43	6	1	1			6BG6	6	40	6	5	3			78	6	5			
6BA3	6	36	8	2	10	6BD11	6	26	6	1	9			6BH3	6	30	8	2	10			78	6	6			
6BA6	6	33	2	1	1			31	6	3	9			6BH3A	6	30	8	2	10			6BK7	6	32	6		
6BA7	6	33	6	2	2			31	6	6	9			6BH6	6	33	6	1	1			32	6	2			
6BA8	6	31	6	7	2	6BE3	6	26	4	10	9			6BH8	6	34	6	7	2			32	6	7			
		37	6	2	2	6BF6	6	35	6	1	1				33	6	2	2									

△Use TC-75 Adapter.

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		
6BK11	6	42	6	1	9	6BQ5	6	33	1	2	2	6BV8	6	31	6	2	2	6BY6	6	35	6	1	1		
		42	6	7	9	6BQ6	6	35	6	5	3			33	6	6	2			6	33	1	2		
		42	6	9	9	6BQ7	6	32	6	2	2			33	6	9	2			6	34	6	1	2	
6BL4	6	31	1	5	8			32	6	7	2	6BV11	6	27	6	6	5			6	34	6	6	2	
6BL7	6	36	6	1	8	6BR3	6	30	2	9	2			27	6	7	9			6	32	6	3	9	
		36	6	4	8	6BR8	6	32	6	9	2	6BW3	6	28	4	10	9				32	6	8	9	
6BL8	6	31	6	2	2			31	6	1	2	6BW4	6	50	6	1	2				6	28	4	10	
		34	6	9	2	6BS3	6	27	8	2	10			50	6	7	2				6	31	6	1	
6BM8	6	33	6	3	2	6BS3A	6	27	8	2	10	6BW6	6	50	2	1	2				6	32	6	2	
		39	6	1	2	6BS8	6	32	6	2	2	6BW7	6	33	1	2	2				6	32	6	7	
6BN4	6	*33	2	7	1			32	6	7	2	6BW8	6	33	2	6	2				6	30	6	2	
		*Normally shows short position 1-6.					6BT6	6	39	6	1	1			34	8	1	2				6	30	6	7
6BN5	6	*39	1	2	2			72	6	5	1			34	8	3	2				6	41	1	6	
		*Normally shows short position 6-8.					6BT8	6	72	6	6	1	6BW11	6	30	6	1	9				6	46	1	5
6BN6	6	99	6	5	1			33	6	8	2			30	6	3	9				6	45	6	5	
6BN8	6	35	6	8	2			57	6	1	2	6BX6	6	33	1	2	2					45	6	10	
		35	6	1	2			57	6	2	2	6BX7	6	36	6	1	8				6	28	7	1	
		35	6	6	2	6BU6	6	50	6	1	1			36	6	4	8				6	28	11	7	
6BN11	6	25	6	3	9			78	6	5	1	6BX8	6	33	6	2	2				6	42	6	1	
		25	6	7	9			78	6	6	1			33	6	7	2				6	42	6	7	
<b>6AZ8-6C10</b>						6BU8	6	33	6	7	2	6BY5	5	38	6	4	3					42	6	9	
														38	6	5	3								

Normal shorts refer to position of "C" switch.

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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
6C16	6 31	6	6	2	2	6CD6	6 33	6	5	3	3	6CL5	6 *35	4	5	3	3	6CQ8	6 33	6	2	2	2
6C18	6 33	6	9	2	2	6CE3	6 27	4	10	9	9	*Normally shows short position 1-3-6-8.				6CR6	6 39	6	7	1	1	1	
6CA4	6 34	6	1	2	2	6CE5	6 35	2	1	1	1	6CL6	6 *32	2	9	2	2	6CR8	6 *32	6	2	2	2
6CA5	6 34	6	7	2	2	6CF6	6 33	6	1	1	1	*Normally shows short position 3-8.				6CS6	6 35	6	1	1	1	1	
6CA7	6 35	6	5	3	3	6CG3	6 26	4	10	9	9	6CL8	6 32	6	9	2	2	*Normally shows short position 8.					
6CA11	6 33	9	6	9	9	6CG7	6 45	6	2	2	2	6CM3	6 30	2	7	10	10	6CS7	6 34	6	3	2	2
6CB5	6 *33	8	8	9	9	6CG8	6 45	6	7	2	2	6CM4	6 29	3	6	7	7	6CT3	6 32	2	6	2	2
*Normally shows short position 1-3-6-8.						6CH3	6 26	2	7	10	10	6CM5	6 *32	4	5	3	3	6CU5	6 *33	2	5	1	1
6CB6	6 33	6	1	1	1	6CH6	6 28	6	2	2	2	*Normally shows short position 3-8.				6CU6	6 35	6	5	3	3		
6CC10	6 44	6	1	8	8	6CH8	6 33	6	7	2	2	6CM6	6 40	3	6	2	2	*It may show short pin 1-11.					
6CC31	6 34	6	5	1	1	6CJ3	6 25	8	2	10	10	6CM7	6 40	6	7	2	2	6CU8	6 32	1	7	2	2
6CD3	6 *27	4	10	9	9	6CJ6	6 *32	8	2	2	2	6CM8	6 35	6	8	2	2	*For grid emission turn C switch to position 4.					
*Some tubes may show short position 5-6-8-9.						*Normally shows short position 1-6-9.					6CN6	6 38	6	9	2	2	6CW4	6 *87	6	2	5	5	
6CL3	6 27	2	7	10	10	6CK3	6 25	8	2	10	10	6CN7	6 44	10	7	2	2	*May show short position 6-7-8-9.					
6CM4	6 29	3	6	7	7	6CK4	6 34	1	3	3	3	6CN8	6 33	10	1	2	2	6CW5	6 *30	1	2	2	2
6CM5	6 *32	4	5	3	3	6CK6	6 30	6	2	2	2	6CQ4	6 32	6	5	8	8						
6CM6	6 40	3	6	2	2	6CL3	6 27	2	7	10	10	6CQ6	6 35	6	1	1	1						
6CM7	6 40	6	7	2	2																		
6CM8	6 33	6	2	2	2																		

Normal shorts refer to position of "C" switch.

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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
6CW7	6 33	8	2	2	2	6DB6	6 33	6	1	1	1	6DN7	6 36	6	1	8	8	6DT4	6 27	6	5	8	8
6CX8	6 33	6	7	2	2	6DC6	6 32	6	1	1	1	6DQ3	6 30	4	10	9	9	6DT5	6 *38	3	6	2	2
6CY5	6 35	2	1	1	1	6DC8	6 33	6	2	2	2	6DQ4	6 32	6	5	8	8	*Normally shows short position 7-11.					
6CY7	6 31	2	3	2	2	6DE4	6 34	6	5	8	8	6DQ5	6 *35	5	1	3	3	6DT6	6 33	6	1	1	1
6CZ5	6 42	3	6	2	2	6DE6	6 30	6	1	1	1	*Normally shows short position 3-4-6-8.				6DT8	6 30	6	2	2	2		
6D1	6 51	1	6	1	1	6DE7	6 33	2	3	2	2	6DQ6	6 34	6	5	3	3	6DU3	6 30	4	10	9	9
6D2	6 33	6	2	1	1	6DG6	6 44	2	7	2	2	6DQ6B	6 30	6	5	3	3	6DW4	6 29	8	2	10	10
6D4	6 43	6	1	1	1	6DJ8	6 32	6	5	3	3	6DR4	6 51	1	6	1	1	6DW5	6 33	3	6	2	2
6D8	6 45	6	5	3	3	6DK3	6 31	6	2	2	2	6DR7	6 32	2	3	2	2	6DX4	6 *69	1	7	1	1
6D10	6 32	6	1	9	9	6DL3	6 30	2	7	10	10	6DR8	6 31	6	2	2	2	*Normally shows short position 2-6.					
6DA4	6 32	6	9	9	9	6DL4	6 *85	7	8	2	2	6DS4	6 *87	6	2	5	5	6DX8	6 25	6	8	2	2
6DA6	6 34	1	2	2	2	*Normally shows short position 1-3-7-9.					6DS5	6 33	1	7	1	1	6DY4	6 *33	2	6	1	1	1
6DB5	6 *38	3	6	2	2	6DL5	6 34	1	7	1	1	*For grid emission turn C switch to position 4.				6DY5	6 71	2	9	2	2		
*Normally shows short position 2-7.						6DM4	6 30	6	5	8	8	6DS8	6 30	6	2	2	6DZ4	6 *31	7	2	1	1	1
6C16-6DZ8						6DN3	6 31	2	7	10	10	6DT3	6 34	6	9	2	2	*Normally shows short position 1-7.					
6DN6	6 33	6	5	3	3	6DN6	6 33	6	5	3	3	6DS5	6 30	4	10	9	9	6DZ7	6 40	6	1	3	3
												6DS8	6 30	6	2	2	2	6DZ8	6 30	6	3	2	2

Use TC-62B Adapter.

Normal shorts refer to position of "C" switch.

Use TC-80 Adapter

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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
6E8	6	45	1	5	3	6EF4*	6	82	7	4	9	6EN4	6	*50	7	5	3	6EW6	6	29	6	1	1
6EA4*	6	85	7	4	9	*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.						*Normally shows short position 1-3-4-8.						6EW7	6	31	2	3	2
*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.						*Normally shows short position 2-9.						*Tube good if it reads 40 or more.						6EX6	6	33	6	5	3
*Normally shows short position 1-2-5-9.						6EH4	6	*55	4	6	9	6EQ7	6	34	6	2	2	6EY6	6	35	6	5	3
6EA5	6	33	2	1	1	*Normally shows short position 1-2-5-9.						6ER5	6	71	6	8	2	6EZ5	6	34	6	5	3
6EA7	6	35	6	1	8	6EH5	6	30	2	5	1	6ES5	6	33	1	2	1	6EZ8	6	33	6	2	2
6EA8	6	39	6	4	8	6EH7	6	30	3	2	2	6ES8	6	30	6	2	2						
6EB5	6	30	6	2	2	6EH8	6	31	1	7	2	6ET6	6	30	6	1	1	6F1	6	35	6	1	1
6EB8	6	31	6	9	2						6ET7	6	30	6	7	2	6F5	6	40	1	10	3	
6EC4	6	52	6	2	1	6EJ4	Use 6EF4 settings.					6EU7	6	82	6	2	2	6F6	6	54	1	5	3
6ED4	6	52	6	7	1	6EJ7	6	29	3	2	2	6EU7	6	52	3	2	2	6F8	6	45	6	5	3
6EL4	6	87	7	5	3	6EL4	6	87	7	5	3	6EU7	6	52	3	8	2	6F10	6	33	6	4	3
6EM5	6	36	3	6	2	6EM5	6	36	3	6	2	Must use special 6EU7 adapter.						6F19	6	33	1	2	2
6EM7	6	32	6	1	8	6EM7	6	32	6	1	8	6EU8	6	32	6	7	2	6F22	6	40	2	9	2
*Normally shows short position 2-3-6-7-9.												6EV5	6	32	6	2	2	6F26	6	33	1	2	2
												6EV7	6	33	2	1	1	6F29	6	30	3	2	2
																		6F31	6	38	2	1	1
																		6F33	6	35	6	1	1
																		6F36	6	32	6	1	1

◆ Use TC-80 Adapter    ○ Use TC1 Adapter    Normal shorts refer to position of "C" switch.    △ Use TC-75 Adapter    15



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	
6F40	6	39	2	9	2	6FM8	6	60	6	8	2	6GB9	6	34	6	5	3	6GH2	6	31	6	2	2	
6FA7	6	33	6	7	2							6G-83A	6	27	6	5	3							
6FC7	6	80	6	3	2	6FQ5	6	33	1	2	1	6GB5	6	*26	1	2	10	6GH8A	6	31	6	2	2	
6FD6	6	29	8	2	2	6FQ5A	6	31	1	2	1	*May show short position 3-6-7-8.						6GJ5	6	*32	7	2	10	
6FD7	6	29	8	6	2	6FQ7	6	36	6	2	2	6GB6	6	33	6	5	3	*Normally shows short position 1-7.						
6FE5	6	38	2	7	2	6FR7	6	25	2	3	2	6GC5	6	*33	3	6	2	6GJ5A	6	*32	7	2	10	
6FG5	6	33	6	5	3	6FS5	6	27	2	1	1	*Normally shows short position 1-8.						*Normally shows short position 1-7.						
6FG7	6	31	2	1	1	6FV6	6	33	6	1	1	6GC6	6	33	4	5	3	6GJ7	6	24	3	2	2	
6FH5	6	27	3	9	2	6FV8	6	30	6	9	2	6GD7	6	26	3	1	2							
6FH8	6	27	3	1	2	6FW5	6	28	6	1	3	6GE5	6	24	3	9	2	6GJ8	6	34	6	2	2	
6FJ7	6	33	1	2	1	6FW8	6	32	6	2	2	*Normally shows short position 4-10.						6GK5	6	25	1	2	1	
6FM7	6	32	6	6	2	6FY5	6	33	1	2	1	6GE8	6	33	6	8	2	6GK6	6	33	3	2	2	
						6FY7	6	25	9	3	9	6GF5	6	33	6	3	2	6G-K17	6	35	6	5	8	
						6G6	6	43	9	10	9	6GF7	6	27	3	1	9	6GL7	6	27	4	1	8	
						6G11	6	45	6	5	3	6GF7A	6	28	6	2	10							
																		6GM5	6	26	6	6	2	
																		6GM6	6	30	6	1	1	
																		6GM8	6	33	6	2	2	

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	
6GN7	6	*24	7	2	2	6GV8	6	29	6	9	2	6HA6	6	*27	3	2	2	6HF5	6	*25	10	5	9	
*Normally shows short position 3-9						6GW5	6	25	2	6	1	*Normally shows short position 6-8						*Normally shows short position 1-3-4-6-8-10						
6GN8	6	33	6	7	2	6GW6	6	30	6	5	3	6HB5	6	*25	1	3	9	6HF8	6	24	6	7	2	
		35	6	2	2	6GW8	6	26	6	8	2	*Normally shows short position 4-10						*25	6	2	2			
6GQ7	6	31	3	2	2			30	6	1	2	6HB6	6	*25	3	2	2	6HG5	6	38	1	7	1	
		31	3	6	2	6GX6	6	25	6	1	1	*Normally shows short position 6-8					6HG8	6	24	3	2	2		
6GS7	6	30	9	9	2	6GX7	6	26	3	2	2	6HB7	6	27	1	2	2	6HJ5	6	*26	3	1	9	
		30	9	1	2			26	3	9	2	6HC8	6	36	6	3	2	*Normally shows short position 4-5-9-10						
6GS8	6	33	6	7	2	6GY5	6	*25	5	9	9			38	6	1	2	6HJ7	6	*82	1	7	2	
6GT5	6	*35	7	2	10	*Normally shows short position 1-3-4-7-10						6HD5	6	*27	3	1	9	30	1	9	2			
*Normally shows short position 1-7						6GY6	6	27	6	1	1	*Normally shows short position 4-5-9-10						*For grid emission turn C switch to position 2.						
6GT5A	6	*35	7	2	10	6GY8	6	*32	6	1	2	6HD7	6	30	1	2	2	6HJ8	6	29	6	2	2	
*Normally shows short position 1-7						*32	6	3	2	2		6HE5	6	*32	10	2	9	31	6	8	2			
6GU5	6	27	2	1	1	*94	6	6	2	2	*Normally shows short position 11						6HK5	6	27	2	1	1		
6GU7	6	31	6	2	2	6GZ5	6	28	2	5	1	6HE7	6	25	11	9	9	6HL5	6	30	2	7	2	
		31	6	7	2	6H6	6	48	1	3	3			27	11	2	9	6HL8	6	32	9	2	2	
6GV5	6	*26	10	5	9	48	1	5	3	3								36	6	9	2			
*Normally shows short position 1-3-4-7-10						6H31	6	35	6	1	1							*Normally shows short position 3-10						
6GV7	6	33	9	9	2	6HA5	6	27	2	1	1													
		30	9	7	2																			

Normal shorts refer to position of "C" switch.

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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
6HM5	6	27	2	1	1	6HZ5	6	*30	2	1	9	6JB5	6	*35	10	2	9	6JE6C	6	*29	7	2	10
6HM6	6	24	3	2	2	*Must show short position 3-10						*Normally shows short position 1-3-4-10						*Normally shows short position 1-7					
6HQ5	6	29	2	1	1	*May show short position 5-6-8-9						6JB6	6	*29	7	2	10	6JE8	6	25	6	7	2
6HR5	6	30	8	1	1	6HZ6	6	26	6	1	1	*Normally shows short position 1-7						26	6	2	2		
6HR6	6	24	6	1	1	6HZ8	6	25	6	7	2	6JB6A	6	*29	7	2	10	6JF6	6	*26	2	6	10
6HS5	6	*26	2	1	9			25	6	2	2	*Normally shows short position 1-7						*Normally shows short position 1-7					
6HS6	6	26	6	1	1	6J5	6	42	1	5	3	*Normally shows short position 1-7						6JG5	6	32	6	7	2
6HS8	6	30	6	7	2	6J6	6	34	6	5	1	6JC5	6	*35	10	2	9	6JG6	6	28	1	2	10
6HT5	6	*56	2	6	9	6J7	6	34	6	6	1	*Normally shows short position 1-3-4-10						6JG6A	6	28	1	2	10
*May show short 1-4-7-9						6J9	6	50	1	10	3	6JD5	6	*30	2	1	9	6JH5	6	*30	2	1	9
6HT6	6	28	3	2	2	6J9	6	26	6	2	2	6JC6	6	26	3	2	2	*Normally shows short position 3-7-8-10					
6HU6	6	*55	2	1	2			26	6	9	2	6JC6A	6	26	3	2	2	6JH6	6	25	6	1	1
*Normally shows short position 6-8						6J10	6	26	6	7	2	6JC8	6	27	1	2	2	6JH8	6	32	6	6	2
6HU8	6	29	6	2	2			99	6	6	9	6JD5	6	*30	2	1	9	6JK5	6	*30	2	1	9
		29	6	6	2	6J11	6	26	6	5	9	*Must show short position 3-10						*Normally shows short position 3-7-8-10					
6HV5	6	*32	2	1	9			26	6	1	9	*May show short position 5-6-8-9						6JK6	6	26	6	1	1
*Must show short position 3-10						6JA5	6	*32	10	2	9	6JD6	6	26	1	2	2	6JK8	6	30	6	2	2
*May show short position 5-6-8-9						*Normally shows short position 1-3-4-10						6JE6	6	*29	7	2	10	31	6	7	2		
6HW8	6	32	6	6	2	6JA8	6	25	6	7	2	*Normally shows short position 1-7						6JL6	6	26	6	1	1
								99	6	3	2	6JE6B	6	*29	7	2	10						

Normal shorts refer to position of "C" switch.

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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		
6JL8	6	35	6	2	2	6JU8	6	*42	2	1	2	6K7	6	52	1	10	3	6KM8	6	31	6	7	2		
		82	6	8	2			**42	9	7	2			6	35	1	5	3			6	75	6	3	2
6JM6	6	26	4	5	9	*Normally shows short position 8.						6K8	6	35	6	1	9	6KN6	6	*28	10	5	9		
6JN6	6	27	4	1	9	**Normally shows short position 2.						6K11	6	35	6	7	9	*Normally shows short position 1-3-4-10.							
6JN8	6	26	6	9	2									35	6	7	9								
		26	6	1	2									35	6	9	9								
6JQ6	6	*32	8	8	2	*Normally shows short position 8						6KA8	6	26	6	6	2	6KN8	6	86	6	1	2		
*Normally shows short position 2-3.						**Normally shows short position 2								33	6	2	2								
		*55	6	6	2	6JV8	6	25	6	7	2	6KD6	6	*25	10	5	9	6KR8	6	24	6	7	2		
*Normally shows short position 2-3-7-8.												*Normally shows short position 1-3-4-10.													
6JR6	6	34	1	2	10	6JW8	6	29	6	2	2	6KD8	6	30	6	2	2	6KR8A	6	24	6	7	2		
6JS6	6	*29	10	5	9	6JX8	6	26	6	2	2	6KE8	6	26	6	2	2								
*Normally shows short position 1-3-4-10.						6JY8	6	30	6	7	2	6KF8	6	38	6	7	2	6KRS6	6	99	6	5	1		
6JT6	6	34	1	2	10	6JZ6	6	*27	10	5	9	6KG6	6	*26	1	8	10	*It may show short position 1-6.							
6JT6A	6	34	1	2	10	*Some tubes may show short position 1-3-4-10.						*Normally shows short position 2-3-6-7.						6KT6	6	25	1	2	2		
6JT8	6	25	2	7	2	6JZ8	6	29	7	7	9	6KL8	6	30	6	2	2	6KT8	6	28	6	7	2		
		34	6	2	2									77	6	8	2	6KU8	6	22	6	7	2		
6JU6	6	*27	7	2	10	6K6	6	40	7	10	9	6KM6	6	*27	2	6	10								
*Normally shows short position 1-7.												*Normally shows short position 1-7.						6KV6	6	65	6	3	2		

△Use TC-75 Adapter. ◆Use TC-80 Adapter

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
6KV8	6	27	6	7	2	6LB6	6	*28	10	5	9	6LH6△	6	87	6	5	3	6LR8	6	27	6	2	10
		34	6	2	2	Normally shows short position 1-3-4-10.						6LJ6	6	*58	1	5	3	6LT8	6	29	6	9	10
6KW6◆	6	28	1	8	10	6LB8	6	25	6	7	2	*Normally shows short position 3-4.											
6KY8	6	30	6	2	10							6LJ8	6	*95	3	2	2						
		40	6	9	10	6LC6△	6	87	6	5	3	**93 3 7 2						6LU6	6	30	6	1	1
6KY8A	6	30	6	2	10	6LC8	6	25	3	6	2	*For grid emission turn "C" switch to position 1.						6LU8	6	28	7	7	9
		40	6	9	10							**For grid emission turn "C" switch to position 9.											
6KZ8	6	26	6	2	2	6LD6	6	*29	7	2	2	*Normally shows short position 3-9.						6LV6	6	*31	5	9	9
		26	6	9	2	6LD12	6	43	6	8	2							*May show short position 1-3-4-7-10					
6L3	6	53	6	5	3							6LM8	6	28	6	2	2						
6L6	6	37	1	5	3													6LW6	6	*30	1	5	8
6L7	6	44	1	10	3							6LN8	6	31	6	2	2	*Normally shows short position 2-6.					
6L10	6	32	6	4	3													6LX6	6	*37	10	5	9
6L12	6	32	6	2	2	6LE8	6	29	6	9	2	6LP12	6	33	6	3	2	*Normally shows short position 1-3-4-7-10-11					
		32	6	7	2																		
6L41	6	33	9	9	2	6LF6	6	*31	5	9	9	6LQ6	6	*29	7	2	10	6LX8	6	29	6	2	2
6L43	6	*32	2	9	2	*May show short position 1-3-4-7-10.						*Normally shows short position 1-7.						6LY8	6	26	6	7	2
*Normally shows short position 3-8.						6LF8	6	42	6	2	2	6LQ8	6	26	6	7	2						
						6LG6	6	*32	10	5	9	6LR6	6	*32	10	5	9	6LZ6	6	*35	7	2	10
*Normally shows short position 1-3-4-7-10.						*May show short position 1-3-4-7-10.						*May show short position 1-3-4-7-10.						*Normally shows short position 1-7					

△Use TC-75 Adapter

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
6M11	6	25	6	2	9	6MJ8	6	35	8	1	9	6MX8	6	30	6	2	10	6R7	6	52	1	10	3
		25	6	5	9			35	8	8	9			40	6	9	10			63	1	4	3
		25	6	8	9			35	8	10	9	6MY8	6	28	7	7	9			63	1	5	3
6MB8	6	27	6	9	2	6MK8	6	34	6	7	2			31	7	10	9	6R8	6	49	6	8	2
		30	6	1	2	6M-L4	6	*33	2	6	1	6N3	6	29	6	9	2			37	6	2	2
6MB6	6	31	10	5	9	*Normally shows short position 1-7.						6N7	6	47	1	4	3			37	6	1	2
6MC6	6	*31	7	2	10	6ML8	6	33	6	6	2			47	1	5	3	6R-A6	6	35	6	7	7
*Normally shows short position 1-7.								33	6	8	2	6N8	6	37	6	2	2	6R-A9	6	22	8	2	2
6MD8	6	35	6	6	10			33	6	9	2			64	6	7	2			37	6	6	2
		35	6	8	10	6MN8	6	33	8	8	9			64	6	8	2			37	6	6	2
		35	6	9	10			33	8	10	9	6NK7GT	6	40	6	4	3	6R-B11	6	32	3	6	7
6ME6	6	*33	7	2	10			32	8	1	9	6P5	6	48	6	5	3	6R-HH2	6	27	6	2	2
*Normally shows short position 1-7.						6M-P17	6	35	7	1	1	6P15	6	33	1	2	2			27	6	7	2
6ME8	6	30	6	6	2	6M-P18	6	35	1	7	1	6Q7	6	40	1	10	3	6R-HH8	6	86	6	1	2
6MF8	6	35	7	7	9	6MP20	6	30	6	1	1			63	1	4	3			90	6	6	2
		34	7	10	9	6MQ8	6	30	6	2	2			63	1	5	3	6R-K19	6	30	2	9	2
6MG8	6	33	6	2	2			30	6	9	2	6Q8	6	45	1	5	3	6R-P15	6	38	2	1	2
		33	6	9	2	6MU8	6	21	6	2	2	6Q11	6	35	6	1	9	6R-P22	6	*35	2	9	2
6MH6	6	*31	5	9	9			31	6	9	2			35	6	7	9	*Normally shows short position 3-8.					
*May show short position 1-3-4-7-10.						6MV8	6	30	6	7	2			35	6	9	9	6S2	6	*95	1	10	7
6M-HH3	6	27	6	5	1			30	6	2	2	6R3	6	30	2	9	2	*Normally shows short position 6-11.					
		27	6	6	1							6R4	6	35	6	1	2						

Normal shorts refer to position of "C" switch.

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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	
6S4	6	37	3	6	2	6SL7	6	43	6	1	8	6T8	6	43	6	8	2	6V4	6	40	6	1	2	
6S7	6	47	1	10	3			43	6	4	8			35	6	2	2			40	6	7	2	
6S8	6	45	5	10	8	6SN7	6	44	6	1	8			35	6	1	2	6V6	6	41	1	5	3	
		62	5	1	8			44	6	4	8			35	6	6	2	6V8	6	40	6	6	2	
		62	5	4	8	6SQ7	6	42	1	2	8			35	6	6	2			32	6	2	2	
		63	2	3	8			82	1	4	8			35	6	2	2			32	6	7	2	
6SA7	6	37	1	5	3			82	1	5	8			35	6	1	2			61	6	9	2	
6SB7Y	6	34	1	5	3	6SR7	6	46	1	2	8			35	6	6	2	6V9	6	34	6	3	13	
		48	1	3	8			68	1	4	8	6T9	6	27	6	8	9			32	6	8	13	
6SC7	6	48	1	3	8			68	1	5	8			27	6	4	9	6W4	6	32	6	5	8	
		48	1	4	8	6SS7	6	46	1	4	3			35	6	2	2			32	6	5	8	
6SD7	6	35	6	4	3	6ST7	6	52	1	2	8	6T10	6	33	6	3	9	6W6	6	35	6	5	3	
6SF5	6	41	1	3	8			72	1	4	8			27	6	8	9	6W7	6	50	6	10	3	
6SF7	6	46	1	2	8	6SU7	6	43	6	1	8			6	36	6	5	3	6X4	6	44	6	1	1
		69	1	5	8			72	1	5	8	6U6	6	48	6	10	3			44	6	6	1	
6SG7	6	34	5	4	3			43	6	4	8	6U7	6	33	6	2	2	6X5	6	40	1	3	3	
6SH7	6	33	5	4	3	6SZ7		44	1	2	8			33	6	9	2			40	1	5	3	
6SJ7	6	35	1	4	3			72	1	4	8	6U9	6	30	6	3	13	6X6	6	48	6	3	3	
6SK7	6	40	1	4	3	6T4	6	*33	2	6	1			40	6	10	13			48	6	5	3	
						*Normally shows short position 1-7.						6U10	6	39	6	7	9	6X8	6	30	6	7	2	
														25	6	9	9			32	6	2	2	
<b>6M11-6X9</b>														39	6	1	9	6X9	6	32	6	3	13	
														6	31	6	7	7		38	6	10	13	

Normal shorts refer to position of "C" switch.

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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	
6Y6	6	36	6	5	3	7AK7	6	33	6	6	4	7E6	6	40	4	3	4	7J7	6	35	6	6	4	
6Y9	6	30	6	1	13	7AN7	7	33	8	2	2			69	4	5	4			50	6	4	4	
		30	6	8	13			33	8	6	2			69	4	6	4			45	6	4	4	
6Y10	6	29	4	3	9	7AU7	7	40	10	2	2	7E7	6	47	6	6	4	7K7	6	65	6	5	4	
		29	4	8	9			40	10	7	2			68	6	3	4			65	6	6	4	
6Z10	6	30	6	1	9	7B4	6	40	6	6	4			68	6	4	4	7KY6	7	27	3	2	2	
		95	6	6	9	7B5	6	52	6	6	4	7ES8	7	30	6	2	2			7	26	3	2	2
6Z31	6	44	6	1	1	7B6	6	40	4	3	4			30	6	7	2	7KZ6	6	36	6	6	4	
		44	6	6	1			68	4	5	4	7EY6	7	35	6	5	3			7	35	1	7	1
6ZY5	6	43	6	3	3			68	4	6	4	7F7	6	45	6	4	4	7M-P18	7	42	6	4	4	
		43	6	5	3	7B7	6	45	6	6	4			45	6	5	4	7N7	6	42	6	4	4	
7A4	6	41	6	6	4	7B8	6	42	6	4	4	7FC7	7	29	6	2	2			6	35	6	4	4
7A5	6	34	6	6	4	7C4	6	53	6	4	4			29	2	6	2	7Q7	6	35	6	6	4	
7A6	6	48	6	3	4	7C5	6	38	6	6	4	7G7	6	36	6	6	4	7R7	6	72	6	3	4	
		48	6	6	4	7C6	6	50	4	3	4	7GS7	7	30	9	9	2			72	6	4	4	
								68	4	5	4			30	9	1	2	7S7	6	38	6	6	4	
7A7	6	45	6	6	4			68	4	6	4	7GV7	7	33	9	9	2			52	6	4	4	
7A8	6	40	6	4	4	7C7	6	37	6	6	4			30	9	7	2	7V7	6	32	6	6	4	
7AD7	6	35	6	6	4	7D10	6	28	6	2	2	7H7	6	35	6	6	4	7W7	6	31	4	6	4	
7AF7	6	41	6	4	4	7DJ8	7	31	6	2	2	7HG8	7	24	3	2	2	7X6	6	35	6	3	4	
		41	6	5	4			31	6	7	2			25	1	6	2			35	6	6	4	
7AG7	6	32	6	6	4																			
7AH7	6	32	6	6	4																			

Normal shorts refer to position of "C" switch.

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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	
7X7	6	43	6	3	4	8AU8	8	31	6	7	2	8BN8	8	35	6	8	2	8CM7	8	40	6	7	2	
		36	6	5	4			32	6	2	2			35	6	1	2			35	6	8	2	
		35	6	6	4	8AV11	8	35	6	1	9			35	6	6	2	8CN7	8	44	10	7	2	
7Y4	6	45	6	3	4			35	6	7	9	8BN11	8	25	6	3	9			33	10	1	2	
		45	6	6	4			35	6	9	9			25	6	7	9			33	10	2	2	
7Z4	6	50	6	3	4	8AW8	8	32	6	7	2	8BQ5	8	33	1	2	2	8CS7	8	34	6	3	2	
		50	6	6	4			33	6	2	2			32	6	2	2			47	6	7	2	
8A8	9	31	6	2	2	8B8	8	33	6	3	2	8BQ7	8	32	6	7	2	8CW5	8	*30	1	2	2	
		34	6	9	2			39	6	1	2	8BQ11	8	26	6	5	9			*May show short position 6-7-8-9.				
8AC9	8	28	3	9	9	8B10	8	43	6	3	9			26	6	10	9	8CU8	8	32	1	7	2	
								43	6	5	9	8BU11	8	28	6	8	9							
		47	3	2	9			34	6	8	9			28	6	4	9			33	7	8	2	
8AC10	8	35	2	3	9			34	6	10	9	8CB11	8	28	6	6	9	8CX8	8	33	6	7	2	
		30	6	1	9	8BA8	8	31	6	7	2			28	6	6	9			34	6	2	2	
		30	6	7	9			37	6	2	2	8CG7	8	45	6	2	2	8CY5	8	35	2	1	1	
		30	6	9	9									28	6	10	9	8CY7	8	31	2	3	2	
8AL9	8	30	6	5	9	8BA11	8	29	6	4	9	8CH8	8	45	6	7	2			45	2	7	2	
		28	6	1	9			37	6	9	9			45	6	7	2	8D8	8	41	2	9	2	
8AR11	8	28	6	5	9	8BH8	8	34	6	7	2	8CL8	8	33	6	7	2	8DE7	8	33	2	3	2	
		28	6	10	9			33	6	2	2			36	6	8	2			44	2	7	2	
						8BM11	8	29	6	6	9			32	6	9	2	8DX8	8	25	6	8	2	
								29	6	1	9										25	6	1	2

6Y6-8DX8

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		
8EB8	8	33	6	7	2	8JE8	8	25	6	7	2	8KS8	8	*27	6	7	2	8SN/	8	44	6	1	8		
		34	6	2	2			26	6	2	2			*31	6	2	2			8	44	6	4	8	
8EM5	8	36	3	6	2	8JK8	8	30	6	2	2	*It may show short position 1-6.				8U9	8	30	6	3	13				
8ET7	8	30	6	7	2			31	6	7	2	8KT8	8	28	6	7	2			8	40	6	10	13	
		82	6	2	2	8JL8	8	35	6	2	2			28	6	2	2			8	32	6	3	13	
		82	6	3	2			82	6	8	2	8LC8	8	25	3	6	2				9	38	6	10	13
8FQ7	8	36	6	2	2	8JT8	8	25	2	7	2			32	7	2	2			9	31	6	2	2	
		36	6	7	2			34	6	2	2	8LE8	8	29	6	9	2				9	34	6	9	2
8GJ7	8	24	3	2	2	8JU8A	8	*42	2	1	2	8LS6	8	30	3	2	2			9	37	5	2	9	
		26	3	9	2			**42	9	7	2	8LT8	8	26	8	9	2				9	30	5	6	9
		82	6	3	2	*Normally shows short position 8						30	1	6	2					9	43	6	8	2	
8GM6	8	30	6	1	1	**Normally shows short position 2						30	1	8	2							35	6	2	2
8GN8	8	33	6	7	2	8JV8	8	25	6	7	2	8MD8	8	35	6	6	10					35	6	1	2
		35	6	2	2			33	6	2	2			35	6	8	10					35	6	6	2
8GU7	8	31	6	2	2	8K11	8	35	6	1	9			35	6	9	10			9	30	6	1	9	
		31	6	7	2			35	6	7	9	8M-P12	8	34	6	1	1					30	6	7	9
8GX7	8	26	3	2	2			35	6	9	9	8MU8	8	31	6	2	2				9	30	6	9	9
		26	3	9	2	8KA8	8	26	6	6	2			31	6	9	2				9	35	6	1	9
8HA6	8	*27	3	2	2			33	6	2	2	8R-HP1	8	33	6	3	2					35	6	7	9
		*Normally shows short position 6-8.				8KR8	8	30	6	7	2			39	6	1	2					35	6	9	9
8HG8	8	24	3	2	2			26	6	2	2	8RLP1	8	29	6	3	2				9	32	6	2	2
		25	1	6	2									36	6	1	2					32	6	7	2

◆Use TC-80 Adapter

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				
9AU7	9	40	10	2	2	9GH8A	9	31	6	2	2	9ML8	9	33	6	6	2	10AL11	10	31	6	3	9				
		40	10	7	2			31	6	9	2			33	6	8	2			10	27	6	8	9			
9BJ11	9	26	6	1	9	9GV8	9	29	6	9	2			33	6	9	2	10BQ5	10	33	1	2	2				
		26	6	6	9			29	6	2	2	9MN8	9	33	8	8	9			10	32	6	8	2			
9BR7	9	32	10	2	2	9HS6	9	26	6	1	1			33	8	10	9			10	32	6	2	2			
		37	10	6	2	9J6	9	34	6	5	1			33	8	1	9	10CW5	10	*30	1	2	2				
		37	10	7	2			34	6	6	1	9M-P12	9	44	6	1	1	*May show short position 6-7-8-9.									
9BR8	9	32	6	9	2	9JW8	9	29	6	2	2	9R-A6	9	35	6	7	7			19	33	6	2	1			
		31	6	1	2			34	6	9	2	9R-AL1	9	52	2	7	2				10D2	33	6	7	1		
9CG8A	9	30	3	9	2	9KC6	9	27	6	2	2			35	2	3	2				10DE7	10	33	2	3	2	
		32	3	1	2			90	6	9	2	9R-HR2	9	31	6	2	2					44	2	7	2		
9CL8	9	32	6	9	2	9KG6◆	9	*26	1	8	10			31	6	9	2				10DR7	10	32	2	3	2	
		32	6	1	2	*Normally shows short position 2-3-6-7.						9U8	9	33	6	2	2					41	2	7	2		
9DZ8	9	30	6	3	2			2-3-6-7.				9V9		33	6	9	2					25	6	8	2		
		37	6	1	2	9KV8	9	27	6	7	2			34	6	3	13				10DX8	10	25	6	1	2	
9EA8	9	30	6	2	2	9KX6	9	27	3	2	2			32	6	8	13				10/E/312	25	34	6	5	3	
		31	6	9	2	9KZ8	9	26	6	2	2	9X8	9	30	6	7	2				10/E/349	6	41	6	5	3	
9ED4◆	9	*54	6	8	10			26	6	9	2			32	6	2	2				10/E/558	6	52	6	10	3	
		*Normally shows short position 2-3-6-7-9.				9LA6	9	30	3	2	2	10AF11	10	31	6	1	9					10/E/11448	6	42	6	5	3
						9M-HH3	9	34	6	5	1			31	6	6	9				10/E/11533	6	39	6	5	3	
								34	6	6	1			35	6	3	9				10/E/11581	6	40	6	10	3	

8EB8-10/E/11581

Normal shorts refer to position of "C" switch.

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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		
10EB8	10	33	6	7	2	10GN8	10	33	6	7	2	10LD6	10	*29	7	2	2	11AR11	11	28	6	5	9		
10EG7	10	32	6	1	8	10GV8	10	29	6	9	2	*Normally shows short position 3-9.		11BM8	11	33	6	3	2	2	2	2	2		
10EM7	10	45	6	4	8	10HA6	10	*27	3	2	2	10LB8	10	25	6	7	2	11BN11	11	25	6	3	9		
10EW7	10	45	6	4	8	*Normally shows short position 6-8.		10HF8	10	24	6	7	2	10LD12	10	43	6	8	2	11BQ11	11	25	6	7	9
10FD7	10	31	2	3	2	10JA5	10	*32	10	2	9	10LE8	10	29	6	9	2	11BT11	11	26	6	5	9		
10FR7	10	45	2	7	2	*Normally shows short position		10JA8	10	25	6	7	2	10LW8	10	33	6	2	2	11C5	11	26	6	10	9
10GF7	10	25	2	3	2	10JA8	10	1-3-4-10	25	6	7	2	10LY8	10	27	6	7	2	11CA11	11	26	6	10	9	
10GF7A	10	35	2	7	2	10JT8	10	99	6	3	2	10L78	10	38	6	2	2	11CF11	11	35	9	3	9		
10GH8	10	43	6	9	10	10JY8	11	26	6	7	2	10T10	10	34	6	2	2	11CH11	11	33	9	6	9		
10GK6	10	28	6	2	10	10KR8	10	24	6	7	2	10Z10	10	29	6	7	2	11CF11	11	39	7	9	9		
10GM8	10	43	6	9	10	10KUR	10	26	6	2	2	11AF9	11	27	6	8	9	11CF11	11	33	6	1	9		
		31	6	2	2			26	6	2	2			95	6	6	9	11CH11	11	30	7	1	9		
		31	6	9	2			26	6	2	2			30	8	1	13	11CH11	11	35	9	5	9		
		33	6	7	2			65	6	2	2			30	2	8	13			30	9	3	9		
								65	6	3	2														

Normal shorts refer to position of "C" switch.

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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		
11CY7	11	31	2	3	2	11Y9	11	30	6	1	13	12AF6	12	37	6	1	1	12AT6	12	39	6	1	1		
11DS5	11	45	2	7	2	12A4	12	30	6	8	13	12AF11	12	28	6	8	9	12AT6	12	72	6	5	1		
11FY7	11	33	1	7	1	12A6	12	32	3	7	7	12AG6	12	28	6	5	9	12AT7	12	72	6	6	1		
11HM7	10	25	9	3	9	12A8	12	45	6	5	3	12AH7	12	34	6	10	9	12AT7	12	32	10	2	2		
*Normally shows short position 3-9.		43	9	10	9	12AB5	12	*42	3	6	2	12AJ6	12	35	6	1	1	12AU5	12	32	10	7	2		
11JE8	11	25	6	7	2	*Normally shows short position 1-3.		12AC6	12	42	6	1	1	12AH7	12	48	6	1	8	12AU5	12	40	6	1	3
11KV8	11	26	6	2	2	12AC10	12	30	6	1	9	12AJ6	12	48	6	5	8	12AU6	12	33	6	1	1		
		27	6	7	2			30	6	7	9	12AJ7	12	40	6	1	1	12AU7	12	40	10	2	2		
11LQ8	11	34	6	2	2	12AD6	12	30	6	9	9	12AJ7	12	66	6	5	1	12AU7	12	40	10	7	2		
		26	6	7	2	12AD7	12	35	6	1	1	12AL5	12	66	6	6	1	12AU8	12	31	6	7	2		
11LT8	11	26	6	2	2	12AE6	12	40	10	7	2	12AL5	12	66	6	6	1	12AV5	12	32	6	2	2		
		26	8	9	2			52	6	1	1	12AL8	12	33	6	2	1	12AV6	12	40	6	1	1		
		30	1	6	2			66	6	5	1	12AL8	12	33	6	7	1	12AV6	12	78	6	5	1		
11LY6	11	30	1	8	2	12AE7	12	66	6	6	1	12AL11	12	52	6	8	2	12AV7	12	78	6	6	1		
11MS8	11	30	3	2	2	12AE10	12	32	10	2	2	12AL11	12	31	6	3	9	12AV7	12	32	10	2	2		
		29	6	9	2	12AF3	12	32	2	9	2	12AQ5	12	27	6	8	9	12AV7	12	32	10	7	2		
		29	6	2	2			31	6	3	9	12AS5	12	36	2	5	1	12AX6	12	38	6	1	1		
11R3	11	30	2	9	2			32	10	7	2	12AS5	12	36	2	5	1	12AX6	12	34	4	10	9		
10EB8-12AX7																		12AX7	12	42	10	2	2		
																		12AX7	12	42	10	7	2		

Use TC-80 Adapter

Normal shorts refer to position of "C" switch.

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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
12AY3	12	30	8	2	10	12BE6	12	35	6	1	1	12BT6	12	39	6	1	1	12C8Y	12	55	6	10	3
12AY3A	12	30	8	2	10			57	6	5	1			64	6	5	1			65	6	4	3
12AY7	12	44	10	2	2			57	6	6	1			64	6	6	1			65	6	5	3
		44	10	7	2	12BF6	12	50	6	1	1	12BU6	12	50	6	1	1	12CA5	12	32	2	5	1
12AZ7	12	33	10	2	2			66	6	5	1			66	6	5	1	12CK3	12	25	8	2	10
		33	10	7	2			66	6	6	1			66	6	6	1	12CL3	12	27	2	7	10
12B4	12	35	3	7	7	12BF11	12	25	6	3	9	12BV7	12	*31	7	2	2	12CM6	12	40	3	6	2
12B7	12	45	6	6	4			25	6	8	9			*Normally shows short position 3-9.				12CN5	12	33	2	5	1
12BA6	12	33	2	1	1	12BH7	12	35	10	2	2	12BV11	12	27	6	6	9	12CR6	12	39	6	7	1
12BA7	12	33	6	2	2			35	10	7	2			27	6	7	9			61	6	2	1
12BA11	12	28	6	4	9	12BK5	12	37	3	7	2	12BW4	12	50	6	1	2	12CS6	12	35	6	1	1
		36	6	9	9	12BK6	12	39	6	1	1			50	6	7	2	12CT3	12	32	2	6	2
12B-B14◆	12	*33	2	1	10	12BL6	12	35	6	1	1	12BX6	12	33	1	2	2	12CT8	12	35	6	8	2
		*Normally shows short position 3-6-7-8.				12BN6	12	99	6	5	1	12BY7	12	*34	7	2	2			37	6	2	2
						12BQ6	12	35	6	5	3			*Normally shows short position 3-9.				12CU5	12	*33	2	5	1
12BC32	12	40	6	1	1	12BR3	12	30	2	9	2	12Z6	12	31	6	1	1			*It may show short pin 1-11.			
		67	6	5	1	12BR7	12	32	10	2	2	12Z7	12	35	10	2	2	12CU6	12	35	6	5	3
		67	6	6	1			36	10	6	2			35	10	7	2	12CX6	12	30	6	1	1
12BD6	12	43	6	1	1			36	10	7	2	12C5	12	35	2	5	1	12D4	12	33	6	5	8
12BE3	12	26	4	10	9	12BS3	12	27	8	2	10	12C8	12	55	6	10	3	12DA6	12	34	1	2	2
						12BT3	12	27	4	10	9			65	6	4	3	12DB5	12	*38	3	6	2
								65	6	5	3			65	6	5	3			*Normally shows short position 2-7.			

Normal shorts refer to position of "C" switch.

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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
12DE8	12	36	6	1	2	12DQ7	12	*32	7	2	2	12DW4A	12	29	8	2	10	12EL6	12	38	6	1	1
		34	6	3	2			*Normally shows short position 3-9.				12DW5	12	33	3	6	2			68	6	5	1
12DF5	12	52	10	1	2	12DS7	12	34	6	3	2	12DW7	12	43	10	2	2			68	6	6	1
		52	10	6	2			*85	6	1	2			43	10	7	2	12EM6	12	34	6	1	2
12DF7	12	40	10	2	2			*85	6	9	2	12DW8	12	32	6	2	2			90	6	9	2
		40	10	7	2			*Tube good if it reads 20 or more.						32	6	7	2	12EN6	12	33	6	5	3
12DJ8	12	31	6	2	2	12DT5	12	*38	3	6	2			44	6	9	2	12EQ7	12	34	6	2	2
		31	6	7	2			*Normally shows short position 7-11				12DY8	12	30	6	1	2			71	6	8	2
12DK6	12	33	6	1	1	12DT6	12	33	6	1	1			35	6	9	2	12EZ6	12	32	6	1	1
12DK7	12	33	9	1	2	12DT7	12	41	10	2	2	12DZ6	12	33	6	1	1	12F5	12	40	6	10	3
		80	9	6	2			41	10	7	2	12DZ8	12	30	6	3	2	12F8	12	40	6	8	2
		80	9	9	2	12DT8	12	30	6	2	2			37	6	1	2			62	6	1	2
12DL8	12	35	6	3	2	12DU7	12	31	6	1	2	12E5	12	48	6	5	3	12F31	12	33	2	1	1
		65	6	9	2			30	6	7	2	12E13	6	35	6	5	3	12FK6	12	40	6	1	1
		65	6	1	2			77	6	7	2	12EA6	12	32	6	1	1			65	6	5	1
12DM4	12	30	6	5	8			77	6	9	2	12EC8	12	30	6	9	2			65	6	6	1
12DQ4	12	32	6	5	8	12DV7	12	49	10	7	2			32	6	1	2	12FM6	12	35	6	1	1
12DQ6	12	34	6	5	3			78	10	2	2	12ED5	12	32	2	5	1			68	6	5	1
12DQ6B	12	30	6	5	3	12DV8	12	78	10	3	2	12EG6	12	36	6	1	1			68	6	6	1
								35	6	3	2	12EH5	12	30	2	5	1	12FQ7	12	36	6	2	2
								58	6	9	2	12EK6	12	31	6	1	1			36	6	7	2
								58	6	1	2												

**12AY3-12FQ7**

◆Use TC-80 Adapter

Normal shorts refer to position of "C" switch.

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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
12FQ8	12	39	6	2	2	12G-B7	12	33	6	5	3	12H31	12	35	6	1	1	12JF5	12	*34	3	1	9
12FR8	12	39	6	7	2	12GC5	12	*33	3	6	2	12H25	12	*33	2	1	10	*Normally shows short position 4-10					
		*25	6	3	2	*Normally shows short position 1-8.					12HE7	12	25	11	9	9	12JM6	12	26	4	5	9	
		*37	6	1	2	12GC6	12	33	4	5	3		27	11	2	9	12JN6	12	27	4	1	9	
		*62	6	8	2	12GF5	12	*27	3	1	9	12HG7	12	*27	7	2	?	12JN8	12	26	6	9	2
*Normally shows short position 11.						12GJ5	12	*32	7	2	10	*Normally shows short position 3-9					12JQ6	12	*35	8	8	2	
12FS5	12	27	2	1	1	12GN7	12	*24	7	2	2	12HL5	12	30	2	7	2	*May show short position 2-3.					
12FT6	12	52	6	1	1	*Normally shows short position 3-9					12H7	12	*28	7	2	2	12JS6	12	*29	10	5	9	
		66	6	5	1	12GT5	12	*35	7	2	10	12HU8	12	29	6	2	2	*Normally shows short position 1-3-4-10.					
		66	6	6	1	*Normally shows short position 1-7					12J5	12	42	6	5	3	12JT6	12	34	1	2	10	
12FV7	12	35	10	2	2	12G-K17	12	35	6	5	8	12J7	12	50	6	10	3	12JT6A	12	34	1	2	10
		35	10	7	2	*Normally shows short position 1-7					12J8	12	30	6	1	2	12JZ8	12	29	7	7	9	
12FX5	12	32	2	5	1	12GN7	12	*24	7	2	2		35	6	8	2	*Normally shows short position 1-7.						
12FX8	12	32	6	2	2	12GV5	12	*26	10	5	9	12JB6	12	*29	7	2	10	12K5	12	35	5	6	1
		28	6	6	2	*Normally shows short position 1-7					12JB6A	12	*29	7	2	10	12K7	12	52	6	10	3	
12FX8A	12	30	6	2	2	*Normally shows short position 1-3-4-7-10.					12K8	12	35	6	5	3	12KA8	12	26	6	6	2	
		25	6	6	2	12GW6	12	30	6	5	3	*Normally shows short position 1-7.							33	6	2	2	
12G4	12	41	1	6	1	12H6	12	48	6	3	3												
12G11	12	36	6	3	9		48	6	5	3													
12GA6	12	36	6	1	1																		
12G-B3A	12	27	6	5	3																		

Normal shorts refer to position of "C" switch.

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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	
12KL8	12	30	6	2	2	12S8	12	45	5	10	8	12SR7	12	46	6	2	8	13CW4	13	*87	6	2	5	
		77	6	8	2		62	5	1	8			68	6	4	8	*For grid emission turn C switch to position 4.							
12L6	12	34	6	5	3		62	5	4	8			68	6	5	8	13D1	25	44	6	1	8		
12MD8	12	35	6	6	10		63	2	3	8				46	6	4	3		44	6	4	8		
		35	6	8	10	12SA7	12	37	6	5	3				70	6	4	8	13DE7	12	33	2	3	2
		35	6	9	10	12SC7	12	48	6	3	8				70	6	5	8		44	2	7	2	
12MX8	12	30	6	2	10		48	6	4	8					44	6	1	8	13DF7	13	40	10	2	2
		40	6	9	10	12SF5	12	41	6	3	8	12SX7	12	44	6	1	8		40	10	7	2		
12NK7GT	12	44	6	1	8	12SF7	12	46	6	2	8				44	6	4	8	13DR7	12	32	2	3	2
		44	6	4	8		69	6	5	8	12SY7	12	39	6	5	3			41	2	7	2		
12Q7	12	40	6	10	3	12SG7	12	34	5	4	3	12T10	12	33	6	3	9	13EM7	12	32	6	1	8	
		63	6	4	3	12SH7	12	33	5	4	3				27	6	8	9		27	3	1	2	
		63	6	5	3	12SJ7	12	35	6	4	3	12U7	12	40	10	2	2		45	6	4	8		
12R5	12	39	2	5	1	12SK7	12	40	6	4	3				40	10	7	2	13FD7	12	24	2	3	2
12R-K19	12	30	2	9	2	12SL7	12	43	6	1	8	12V6	12	41	6	5	3		38	2	7	2		
		32	10	2	2		43	6	4	8	12W6	12	35	6	5	3	13FG7	13	27	3	9	2		
12R-LL3	12	32	10	7	2	12SN7	12	44	6	1	8	12X4	12	44	6	1	1		27	3	1	2		
		36	6	2	2		44	6	4	8					44	6	6	1	13FM7	13	25	3	8	9
12R-LL5	12	36	6	2	2	12SQ7	12	42	6	2	8	13CM5	12	*25	9	5	3		36	3	10	9		
		36	6	7	2		82	6	4	8	*Normally shows short position 1-4.					13FR7	12	25	2	3	2			
													82	6	5	8								

12FQ8-13FR7

Use TC-80 Adapter

Normal shorts refer to position of "C" switch.

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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		
13GB5♦	13	*26	1	2	10	14B6	12	40	4	3	4	14F7	12	45	6	4	4	14W7	12	31	4	6	4		
*May show short position 3-6-7-8.																		14X7	12	43	6	3	4		
13GF7	13	28	6	2	10	14B8	12	68	4	6	4	14GT8	14	45	6	5	4								
13GF7A	13	43	6	9	10	14BF11	14	42	6	4	4							14Y4	12	36	6	5	4		
		28	6	2	10			25	6	3	9	14GW8	14	52	6	8	2								
		43	6	9	10			6	8	9				35	6	2	2								
13J10	13	99	6	6	9	14BL11	14	29	6	1	9	14H7	12	30	6	1	2			15A6	15	45	6	6	4
		28	6	1	9			29	6	3	9	14J7	12	35	6	6	4			15A8	15	30	6	2	2
13JT8	13	25	2	7	2	14BQ11	14	29	6	5	9			50	6	4	4								
		34	6	2	2			26	6	5	9	14JG8	14	42	6	4	4			15AF11	15	40	6	3	3
13JZ8	13	29	7	7	9	14BR11	14	29	6	2	9			32	6	2	2								
		43	7	10	9			32	6	8	9	14N7	12	32	6	6	2			15BD11	15	31	6	6	9
13SJ7	12	35	6	4	3	14C5	12	36	6	10	9			42	6	4	4								
13V10	13	38	6	3	9	14C7	12	37	6	6	4	14Q7	12	35	6	4	4								
		32	6	8	9	14E6	12	40	4	3	4	14R7	12	35	6	6	4			15BD11A	15	26	6	1	9
13Z10	13	30	6	1	9			69	4	5	4			72	6	3	4								
		95	6	6	9	14E7	12	69	4	6	4	14S7	12	72	6	4	4								
14A4	12	41	6	6	4			47	6	6	4			38	6	6	4			15CW5	15	*30	1	2	2
14A5	12	34	6	6	4			68	6	3	4	14V7	12	52	6	4	4								
14A7	12	45	6	6	4			68	6	4	4			32	6	6	4			*May show short position 6-7-8-9.					
14AF7	12	41	6	4	4															15DQ8	15	25	6	8	2

Normal Shorts refer to position of "C" Switch.

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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		
15EA7	15	35	6	1	8	15LE8	15	29	6	9	2	16CL8	16	32	6	9	2	17A8	17	31	6	2	2		
		39	6	4	8	15MF8	15	35	7	7	9			32	6	1	2								
15EW6	15	29	6	1	1			34	7	10	9	16GK6	16	33	3	2	2	17AB10	17	29	6	1	9		
15EW7	15	31	2	3	2	*Normally shows short						16GY5	16	*25	5	9	9								
		45	2	7	2	15MX8	15	30	6	2	10			*Normally shows short position				17AF3	17	32	2	9	2		
15FM7	15	25	3	8	9			40	6	9	10			1-3-4-7-10.				17AV5	17	33	6	1	3		
		36	3	10	9	16A5	16	71	2	9	2	16HB5	16	*25	1	3	9			17AX3	17	34	4	10	9
15FY7	15	25	9	3	9	16A8	16	33	6	3	2	*Normally shows short position 4-10.							17AX4	17	35	6	5	8	
		42	9	10	9			39	6	1	2	16K11	16	35	6	1	9			17AY3	17	30	8	2	10
15GY5	15	*25	5	9	9	16AK9	16	30	7	10	9			35	6	7	9			17AY3B	17	30	8	2	10
								40	7	3	9			35	6	9	9			17B-B14♦	17	*33	2	1	10
*Normally shows short position 1-3-4-7-10.						16AQ3*	16	30	7	3	7	16KA6	16	*26	10	5	9			*Normally shows short position 3-6-7-8.					
15HA6	15	*27	3	2	2	*If no test, use alternate settings.						16LD6	16	*29	7	2	2			17BD11	17	26	6	1	9
*Normally shows short position 6-8.						16AQ3	16	30	3	7	7			*Normally shows short position 3-9.											
15HB6	15	*25	3	2	2	16BQ11	16	26	6	5	9	16L08	16	28	7	7	9								
								26	6	10	9			31	7	10	9			17BE3	17	26	4	10	9
*Normally shows short position 6-8.						16BX11	16	32	6	2	9	16MY8	16	28	7	7	9			17BF11	17	25	6	3	9
15KY8	15	30	6	2	10			31	6	5	9			31	7	10	9								
		40	6	9	10	16C-B28	16	*30	5	9	9	16Y9	16	30	6	1	13			17BF11A	17	25	6	3	9
15KY8A	15	30	6	2	10									30	6	8	13								
		40	6	9	10	*Normally shows short position 1-3-4-10.																			

**13GB5-17BH3**

♦Use TC-80 Adapter

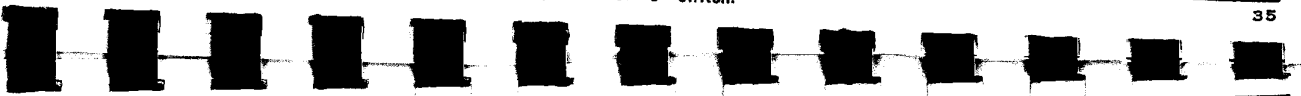
Normal shorts refer to position of "C" switch.

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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
17BH3A	17	30	8	2	10	17DM4	17	30	6	5	8	17GW6	17	30	6	5	3	17JK8	17	30	6	2	2
17BJ6	17	34	6	1	1	17DQ4	17	32	6	5	8	17GY5	17	*25	5	9	9	17JM6	17	26	4	5	9
17BQ6	17	35	6	5	3	17DQ6	17	34	6	5	3	*Normally shows short position 1-3-4-7-10.					17JN6	17	27	4	1	9	
17BR3	17	30	2	9	2	17DQ6B	17	30	6	5	3	17JQ6	17	*35	8	8	2	58 8 6 2					
17BS3	17	27	8	2	10	17DW4A	17	29	8	2	10	*May show short position 2-3.					17JR6	17	34	1	2	10	
17BW3	17	28	4	10	9	17EW8	17	32	6	2	2	17JG6	17	*33	2	1	10	*Normally shows short position 1-11.					
17BZ3	17	28	4	10	9	17FY7	17	25	9	3	9	17HC8	17	36	6	3	2	17JH6	17	34	1	2	10
17C5	17	*34	2	5	1	17GE5	17	*27	3	1	9	3-6-7-8.					17JS6	17	*29	10	5	9	
*Normally shows short position 1-11.						*Normally shows short position 4-10.						*Normally shows short position 1-7.						*Normally shows short position					
17C8	17	33	6	2	2	17GJ5	17	*32	7	2	10	17HG8	17	24	3	2	2	1-3-4-10.					
65 6 7 2						*Normally shows short position 1-7.						17JB6	17	*29	7	2	10	17JT6	17	34	1	2	10
17C9	17	28	7	1	2	17GJ5A	17	*32	7	2	10	17JB6A	17	*29	7	2	10	17JT6A	17	34	1	2	10
28 11 7 2						*Normally shows short position 1-7.						17JG6	17	*26	2	6	10	17JZ8	17	29	7	7	9
17CA5	17	32	2	5	1	17GT5	17	*35	7	2	10	*Normally shows short position 1-7.					17KV6	17	28	1	2	10	
17CK3	17	25	8	2	10	17GT5A	17	*35	7	2	10	17JF6	17	*26	2	6	10	17KW6	17	28	1	8	10
17CL3	17	27	2	7	10	*Normally shows short position 1-7.						*Normally shows short position 1-7.					17L6	17	34	6	5	3	
17CQ4	17	32	6	5	8	17GV5	17	*26	10	5	9	17JG6	17	28	1	2	10	17LD8	17	30	6	2	10
17CT3	17	32	2	6	2	*Normally shows short position 1-3-4-7-10.						17JG6A	17	28	1	2	10	17R5	17	39	2	5	1
17CU5	17	32	2	5	1																		
17D4	17	33	6	5	8																		
17DE4	17	34	6	5	8																		

◆Use TC-80 Adapter

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				
17R-HH2	17	32	6	2	2	18FY6	18	38	6	1	1	19AU4	19	33	1	5	8	19E28	19	33	6	2	2				
17R-K19	17	30	2	9	2	74	6	5	1	1	19B6G	19	36	6	5	3	19G28	19	33	6	7	2					
17W6	17	33	6	5	3	74	6	6	1	1	19BX6	19	33	1	2	2	19G29	19	33	6	9	2					
17X10	17	98	6	6	9	18GB5	18	*26	1	2	10	19BY7	19	33	1	2	2	19G30	19	32	2	5	1				
*May show short position 3-6-7-8.						18GD6						18	34	6	1	1	19C8	19	43	6	8	2					
17Y9	17	30	6	1	9	18GE6	18	37	6	1	1	37 6 1 2					19CL8-A	19	32	6	9	2					
13						18GV5	18	*26	10	5	9	37 6 6 2					19CG3	19	26	4	10	9					
17Z3*	17	30	2	9	2	*Normally shows short position 1-3-4-7-10.						37 6 2 2					19D8	19	32	6	2	2					
*If no test—use alternate settings.						18GV8						18	29	6	9	2	35 6 9 2					19DE7	19	33	2	3	2
18A5	18	34	6	1	3	18HB8	18	36	6	9	2	44 2 7 2					19DK3	19	30	2	7	10					
18AJ10	18	32	4	3	9	18J6	18	34	6	5	1	19DQ3					19	30	4	10	9						
18AK5	18	33	2	1	1	34 6 6 1						19EA8					19	30	6	2	2						
18AQ5	18	35	1	7	1	18R-AL1	18	52	2	7	2	19EW7					19	31	6	9	2						
18DZ8	18	30	6	3	2	19A3	19	30	7	5	1	45 2 7 2					19G31	19	31	2	3	2					
18FW6	18	33	6	1	1	19AJ8	19	85	6	1	2	19G32						19	33	1	7	10					
18FX6	18	34	6	1	1	38 6 9 2						19G33						19	24	6	9	2					
17BH3A-19KG8						19AQ5	19	35	1	7	1	19G34						19	24	6	2	2					

◆Use TC-80 Adapter

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				
19MR9	19	35	6	1	1	20EQ7	19	34	6	2	2	21JS6	21	*29	10	5	9	22AL3*	22	27	7	3	7				
19Q9	19	25	6	1	2	20EW7	20	31	2	3	2	*Normally shows short position 1-3-4-7-10.		22AL3	22	27	3	7	7	*If no test, use alternate settings.							
19T8	19	45	6	8	2	20LF6	20	45	2	7	2	21JV6	21	26	4	1	9	22BH3	22	30	8	2	10				
		35	6	2	2			21JZ6	21	*27	10	5	9	22BH3A	22	30	8	2	10								
19U3	19	35	6	1	2	*May show short position 1-3-4-7-10.		21A6	19	*32	8	2	2	*Some tubes may show short position 1-3-4-10.		22BW3	22	28	4	10	9	22DE4	22	34	6	5	8
		35	6	6	2	*Normally shows short position 1-6-9.				21KA6	21	*26	10	5	9	*May show short position 3-4-7-11.		22JG6	22	28	1	2	10				
19V8	19	40	6	6	2	21EX6	22	33	6	5	3	21KQ6	21	*25	1	8	10	22JG6A	22	28	1	2	10				
19W3	19	32	6	7	2	21GY5	21	*25	5	9	9	*Normally shows short position 2-3-6-7.		22JF6	22	*26	2	6	10	*Normally shows short position 1-7.							
		61	6	9	2	*Normally shows short position 1-3-4-7-10.		21HG6	21	*32	10	5	9	*May show short position 1-3-4-7-10.		22JU6	22	*27	7	2	10	*Normally shows short position 1-7.					
19X3	19	29	6	9	2	21HB5	21	*25	1	3	9	21LR8	21	27	6	2	10	22JR6	22	34	1	2	10				
19X8	19	30	6	7	2	*Normally shows short position 4-10.		21HD5	21	*27	3			1	9	29	6	9	10	22KM6	22	*27	2	6	10		
19Y3	19	29	6	9	2	*Normally shows short position 4-5-9-10.		21HU5	21	*26	3	1	9	21LU8	21	28	7	7	9	*Normally shows short position 1-7.							
20AQ3*	20	27	7	3	7	21JH5	21	*26	3	1	9	21MY8	21	28	7	7	9	22KV6	22	28	1	2	10				
*If no test, use alternate settings.		32	6	2	2									*Normally shows short position 4-5-9-10.		4-5-9-10.	21	28	7	7	9	23JS6	23	*29	10	5	9
20AQ3	20	27	3	7	7									31	7	10	9										
20D1	9	33	6	2	1																						
		33	6	7	1																						

◆Use TC-80 Adapter

Normal shorts refer to position of "C" switch

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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		
23JS6A	23	*29	10	5	9	25AU4	25	33	6	5	8	25DL3	25	27	2	7	10	25M-P20	25	30	6	1	1		
*Normally shows short position 1-3-4-10.						25AV5	25	33	6	1	3	25DN6	25	32	6	5	3	25R-K19	25	30	2	9	2		
23MB6	23	31	10	5	9	25AX4	25	35	6	5	8	25DQ6	25	34	6	5	3	25SN7	25	44	6	1	8		
23Z9	23	30	7	10	9	25B6	25	40	6	5	3	25DT5	25	*38	3	6	2	25W4	25	32	6	5	8		
						25B-B14◆	25	*33	2	1	10	*Normally shows short position 7-11.						25W6	25	35	6	5	3		
						*Normally shows short position 3-6-7-8.						25E5	25	27	6	5	3	25Z6	25	34	6	3	3		
24AX4	24	35	6	5	8	25BK5	25	37	3	7	2	25EC6	25	32	6	5	3			25	34	6	5	3	
24BF11	24	25	6	3	9	25BQ6	25	35	6	5	3	25EH5	25	*30	2	5	1			25	34	6	1	1	
						25BR3	25	30	2	9	2	*Normally shows short position 1-11.						26A6	25	34	6	1	1		
24JE6A	24	*29	7	2	10	25C5	25	33	2	5	1	25F5	25	38	2	5	1	26AQ8	26	32	6	2	2		
*Normally shows short position 1-7.						25C6	25	36	6	5	3	25F5A	25	38	2	5	1			25	32	6	7	2	
24JZ8	24	29	7	7	9	25CA5	25	32	2	5	1	25GB6	25	33	6	5	3			25	39	6	1	1	
						25CD6	25	33	6	5	3	25GE5	25	*27	3	1	9			25	57	6	5	1	
24LQ6	24	*29	7	2	10	25CG3	25	26	4	10	9	*Normally shows short position 4-10.						26A6	25	34	6	1	1		
*Normally shows short position 1-7.						25CK3	25	30	8	2	10	25HX5◆	25	*30	1	7	10			26C6	25	50	6	1	1
24LZ6	24	*35	7	2	10	25CM3	25	30	2	7	10	*Normally shows short position 2-3.								25	68	6	5	1	
*Normally shows short position 1-7.						25CT3	25	32	2	6	2	25JQ6	25	*35	8	8	2			25	68	6	6	1	
25A6	25	*50	6	5	3	25CU6	25	35	6	5	3	*May show short position 2-3.						26D6	25	36	6	1	1		
*Normally shows short position 8-11.						25D4	25	33	6	5	8	25JZ8	25	29	7	7	9			26DQ5	26	*35	5	1	3
						25DK3	25	30	2	7	10	*Normally shows short pos. 3-4-6-8.								26HU5	26	*28	1	5	8
						25DK4	25	28	7	5	1	25L6	25	34	6	5	3			*Ignore glow on 2-6.					

◆Use TC-80 Adapter.

Normal shorts refer to position of "C" switch.

■Use TC-62B Adapter.

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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
50HC6	50	27	7	2	1	150C3	50	*99	3	5	3	1612	6	44	1	10	3	5649	12	45	6	5	3
50HK6	50	29	7	2	1	*Tube good if it reads 60 or more.						1614	6	40	6	5	3	5654	6	33	2	1	1
50HN5	50	28	1	2	2	*Normally shows short position 11.						1619	3	39	6	5	3	5659	12	45	6	5	3
50JY6	50	28	4	5	3	*Normally shows grid emission.						1620	6	50	6	10	3	5661	12	40	6	4	3
50L6	50	34	6	5	3	213 PEN	19	*32	8	2	2	1621	6	*54	6	5	3	5663	6	27	6	1	1
50X6	50	35	6	3	4	*Normally shows short position 1-6-9.						1622	6	37	6	5	3	5679	6	48	6	3	4
50Y6	50	35	6	3	3	403B	6	33	2	1	1	1626	12	53	6	5	3	5686	6	*33	7	2	2
50Y7	50	35	7	3	3	407A	21	30	6	3	2	1631	12	37	6	5	3	*Normally shows short position 1-3-8.					
		35	7	5	3	408A	19	94	8	6	1	1632	12	34	6	5	3	5687	12	37	9	2	2
53HK7	50	26	11	9	9	502A	6	26	6	5	3	1634	12	48	6	3	8	5691	6	37	9	7	2
53KU	5	26	11	2	9	884	6	36	6	5	3	1665	6	48	6	4	8	5692	6	43	6	1	8
		*30	6	4	3	1203	6	53	6	4	4	1667	6	32	5	1	1	5693	6	43	6	4	8
		*30	6	6	3	1223	6	50	6	10	3	1723*	17	30	2	9	2	5725	6	44	6	1	8
*Normally shows short position 8-11.						1232	6	36	6	6	4	*If no test use alternate settings below.						5726	6	44	6	4	8
58HE7	50	25	11	9	9	1273	6	37	6	6	4	1852	17	30	3	9	2	5727	6	33	6	7	1
		27	11	2	9	1274	6	45	6	3	4	1853	6	33	6	4	3						
60EH5	50	30	2	5	1	1280	12	45	6	6	4	2050	6	34	6	5	3						
60FX5	50	32	2	5	1	1294	2	60	6	4	4	5591	6	33	2	1	1						
60HL5	60	30	2	7	2	1611	6	54	6	5	3												
64SPT	6	33	1	2	2																		

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
5749	6	33	2	1	1	5920	6	32	6	5	1	6058	6	33	6	2	1	6087	5	*53	6	4	3
5750	6	35	6	1	1	5931	5	*42	6	4	3	6060	12	32	10	2	2	*Normally shows short position 8-11.					
5751	12	42	10	2	2	*Normally shows short position 8-11.						6062	6	32	10	7	2	6096	6	34	2	1	1
5755	15	51	10	3	2	5932	6	37	6	5	3	6066	6	33	9	9	2	6097	6	33	6	2	1
		51	10	6	2	5961	6	37	6	5	3	6067	6	39	6	1	1						
5763	6	33	9	9	2	5963	12	40	10	2	2	6069	6	64	6	5	1	6100	6	33	6	7	1
5814-A	12	40	10	2	2	5964	6	40	10	7	2	6072	12	44	10	2	2	6101	6	41	1	6	1
		40	10	7	2	5965	12	35	6	5	1	6080	6	40	10	2	2	6113	6	34	6	6	1
5823	1	*85	5	4	6	5992	6	35	6	6	1	6082	6	40	10	7	2	6134	6	43	6	4	8
*Ignore short lamp indication.						6005	6	32	10	2	2	6084	25	35	6	1	8	6135	6	41	1	6	1
*Normally shows grid emission.						6006	6	32	10	7	2	6085	12	44	10	7	2	6136	6	41	1	6	1
5824	25	40	6	5	3	6028	19	33	2	1	1	6088	6	35	6	1	8	6137	6	33	6	1	1
5845	4	*90	8	1	1	6042	6	44	6	1	8	6089	6	35	6	4	8	6146	6	40	6	4	3
*Tube good if it reads 20 or more						6046	25	44	6	4	8	6090	6	35	6	4	8	*Normally shows short position 4-6.					
5871	6	41	6	5	3	6057	12	42	10	2	2	6092	25	35	6	1	8	6147	6	*38	1	5	3
5879	4	55	5	1	2							6094	6	42	10	2	2	6159	25	38	1	5	3
5881	6	37	6	5	3							6095	12	42	10	7	2	*Normally shows short position 4-6.					
5915	6	42	6	1	1							6180	6	44	6	1	8						

50HC6-6180

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
6186	6	31	2	1	1	6265	6	33	6	1	1	6676	6	33	6	1	1	6887	6	33	6	2	1
6187	6	35	6	1	1	6267	6	40	2	9	2	6677	6	*32	2	9	2	6888	6	33	6	7	1
6188	6	43	6	1	8	3293	6	*40	1	5	3	*Normally shows short position 3-8.						6919	6	32	6	4	3
6189	12	40	10	2	2	6350	12	40	10	3	2	6678	6	33	6	2	2	6922	6	35	6	2	1
6197	6	40	10	7	2	6360	12	35	10	1	2	6679	12	32	10	2	2	6968	6	28	6	2	2
*Normally shows short position 3-8.						6417	12	33	9	9	2	6680	12	40	10	2	2	6939	12	35	10	1	2
6198	12	40	10	2	2	6463	12	29	10	3	2	6681	12	42	10	7	2	7000	6	50	6	10	3
6201	12	32	10	2	2	6485	6	35	6	1	1	6683	12	*40	1	5	3	7025	12	42	10	2	2
6202	6	44	6	1	1	6520	6	35	6	1	8	*Normally shows short position 4-6.						7027	6	*36	5	6	3
6203	6	41	6	1	2	6550	6	35	6	5	3	6686	6	26	1	2	2	7036	6	39	6	1	1
6211	12	41	6	9	2	6660	6	33	2	1	1	6687	6	32	6	1	1	7044	12	34	9	2	2
6216	6	*29	3	2	2	6661	6	33	6	1	1	6688	6	27	3	2	2	*Normally shows short position 1-4.					
*Normally shows short position 1-6.						6662	6	34	6	1	1	6689	6	25	6	2	2	7054	12	*34	7	2	2
6218	6	72	6	2	2	6663	6	33	6	2	1	6829	12	32	10	2	2	*Normally shows short position 3-9.					
6227	6	29	1	2	2	6664	6	30	6	6	1	6883	12	*38	1	5	3						
6669	6	35	1	7	1	6669	6	35	1	7	1	*Normally shows short position 4-6.											

Normal shorts refer to position of "C" switch.

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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
7055	12	33	6	2	1	7189	6	*33	1	2	2	7558	6	*30	3	2	2	7719	12	29	1	7	7
7056	12	33	6	1	1	*Normally shows short position 6-9.						7581	6	37	6	5	3	7722	6	22	1	2	2
7057	12	32	6	2	2	7199	6	30	6	7	2	7586	6	37	2	4	5	7724	14	52	6	8	2
7058	12	42	10	2	2	7233	6	*33	2	7	2	7587	6	*67	6	2	5	7728	12	35	6	6	2
7059	12	42	10	7	2	*Normally shows short position 1-3-6-9.						7591	6	34	4	6	3	7729	12	32	10	2	2
7060	12	33	6	9	2	7247	12	43	10	2	2	7607	6	*34	1	5	3	7730	12	42	10	2	2
7061	12	28	6	8	2	7258	12	32	6	8	2	*For grid emission turn C switch to position 4.						7731	6	40	10	7	2
*Normally shows short position 1-8.						7308	6	24	6	2	2	7643	6	25	6	2	2	7732	6	33	6	2	2
7062	12	26	10	7	2	7320	6	33	1	2	2	7687	6	35	6	2	2	7733	12	34	7	2	2
7105	12	35	6	1	8	7355	6	37	6	6	3	7693	6	31	6	1	1	7738	6	*33	2	6	1
7119	12	28	9	2	2	7360	6	29	6	3	2	7694	6	32	6	1	1	*Normally shows short position 3-9.					
7167	12	35	2	1	1	7370	40	80	9	1	2	7695	50	34	6	6	2	7751	6	30	4	5	3
7408	6	39	6	5	3	7408	6	39	6	5	3	7701	12	*38	1	2	2	*Normally shows short position 1-7.					
7543	6	34	6	1	1	7543	6	34	6	1	1	*Normally shows short position 3-7-8-9.						7754	6	34	6	6	2
7551	15	*34	10	2	2	7551	15	*34	10	2	2	7716	12	33	6	2	2						
*Normally shows short position 3-8.																							

**6186-7754**

◆Use TC-80 Adapter.

Normal shorts refer to position of "C" switch.

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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
7788	6	*29	3	2	2	8106	12	*24	3	7	2	9001	6	42	2	1	1	AU13	5	*51	6	4	3
*Normally shows short position 6-9.						*Normally shows short position 2-6-9.						*Normally shows short position 2-7.						*Normally shows short position 8-11.					
7867	6	27	6	5	3	8113	6	28	8	1	1	9003	6	42	2	1	1	AZ32	4	*51	6	4	3
7868	6	*27	2	6	10	8136	6	25	6	1	1	9006	6	*55	1	5	1						
*Normally shows short position 1-7.						*Normally shows short position 1-2-3-4-5-6-7-9.						*Normally shows short position 2-7.						*Normally shows short position 8-11.					
7895	6	*85	6	2	5	8233	6	*25	7	8	10	A863	6	50	6	10	3	B36	12	44	6	1	8
*For grid emission turn C switch to position 4.						*Normally shows short position 7-9.						*Normally shows short position 2-7.						*Normally shows short position 8-11.					
7898	14	28	10	2	2	8278	6	*31	3	7	10	A1834	6	35	6	1	8	B65	6	44	6	4	8
*Normally shows short position 2-3-4-5-6-8-9.						*Normally shows short position 1-2-6-8.						*Normally shows short position 2-7.						*Normally shows short position 8-11.					
7984	12	*70	8	1	9	8327	6	25	1	2	2	ARDD3	6	63	6	4	3	B152	12	32	10	2	2
*Normally shows short position 2-3-4-5-6-8-9.						*Normally shows short position 1-2-6-8.						*Normally shows short position 2-7.						*Normally shows short position 8-11.					
8032	12.6	*40	1	5	3	8417	6	30	1	5	3	ARH1	6	44	6	10	3	B309	12	32	10	2	2
*Normally shows short position 4-6.						*Normally shows short position 1-2-6-8.						*Normally shows short position 2-7.						*Normally shows short position 8-11.					
8056	6	*80	6	2	5	8425	6	36	6	1	1	ARP15	6	52	6	10	3	B319	7	33	8	2	2
*For grid emission turn C switch to position 4.						*Normally shows short position 4-6.						*Normally shows short position 2-7.						*Normally shows short position 8-11.					
8102	12	28	6	9	2	8552	12	*40	1	5	3	ARP16	6	50	6	10	3	B329	12	40	10	2	2
*Normally shows short position 2-6.						*Normally shows short position 4-6.						*Normally shows short position 2-7.						*Normally shows short position 8-11.					
		27	6	3	2	8458	12	35	10	1	10	ARP17	6	54	6	5	3	B339	12	42	10	2	2
						8908	6	*29	1	5	8	ARP32	6	41	6	5	3						
												ARP33	6	41	6	5	3	B719	6	32	6	2	2
												ARTH-1	6	35	6	5	3						

Normal shorts refer to position of "C" switch.

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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
BPM04	6	35	1	7	1	CV455	12	32	10	2	2	CV562	35	36	6	5	3						
CV131	6	35	6	1	1	CV491	12	40	10	2	2	CV565	35	31	6	2	4	CV588	6	63	6	5	3
CV133	6	41	1	6	1	CV492	12	40	10	7	2	CV567	35	33	3	5	3						
CV136	6	34	6	1	1							CV568	35	33	3	5	3						
CV138	6	30	6	1	1	CV493	6	42	10	7	2	CV571	50	34	6	5	3						
CV140	6	33	6	2	1							CV572	6	40	6	3	3	CV589	6	40	6	10	3
CV216	50	*99	3	5	3	CV493	6	44	6	1	1												
*Tube good if it reads 60 or more.						CV511	6	41	6	5	3	CV573	6	40	6	3	3						
*Normally shows short position 11.						CV538	12	37	6	5	3	CV574	6	40	6	3	3	CV590	6	35	6	4	3
*Normally shows grid emission.						CV544	12	40	6	4	3	CV575	5	40	6	5	3	CV591	6	35	6	4	3
CV283	6	33	6	2	1	CV547	12	42	6	2	8												
		33	6	7	1							CV575	5	*40	6	4	3	CV592	6	35	6	4	3
CV450	6	29	6	5	3							CV575	5	*40	6	4	3	CV593	5	*51	6	4	3
CV452	6	39	6	1	1	CV551	25	36	6	5	3												
		64	6	5	1	CV552	25	34	6	5	3	CV578	6	45	6	5	3	CV594	6	33	5	4	3
		64	6	6	1	CV553	25	34	6	5	3	CV579	6	45	6	5	3	CV595	6	33	5	4	3
CV453	6	35	6	1	1	CV554	6	48	6	3	3	CV580	6	45	6	5	3	CV657	6	50	6	10	3
CV454	6	33	2	1	1	CV559	25	34	6	3	3	CV581	6	46	6	5	3	CV660	6	33	6	4	3
*Normally shows short position 8-11.						CV559	25	34	6	3	3	CV582	6	46	6	5	3	CV661	6	35	6	4	3
												CV583	6	46	6	5	3	CV664	6	*46	1	6	1
												CV586	6	37	6	5	3	*Normally shows short position 2-7.					
												CV587	6	40	6	10	3	CV665	6	42	2	1	1

Normal shorts refer to position of "C" switch.

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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	
CV1633	12	32	10	2	2	CV1819	6	48	6	5	3	CV1856	5	*51	6	4	3	CV1894	6	55	6	10	3	
CV1649	6	46	6	5	3	CV1820	1	55	6	10	3	CV1857	5	*51	6	6	3	CV1895	50	*70	3	5	3	
CV1741	6	35	6	5	3	CV1821	2	53	6	10	3	CV1862	6	52	6	3	8	CV1902	6	45	6	5	3	
CV1753	35	34	6	6	4	CV1823	2	53	6	10	3	CV1863	5	52	6	5	8	CV1908	6	40	6	10	3	
CV1757	6	42	2	1	1	CV1824	1	48	6	5	3	CV1864	5	52	6	5	8	CV1909	6	40	6	10	3	
CV1758	1	55	5	6	6	CV1826	1	48	6	5	3	CV1873	6	*36	1	7	1	CV1911	6	54	6	5	3	
CV1762	6	43	6	1	1	CV1829	1	54	6	5	3	CV1876	6	*36	6	4	3	CV1912	6	54	6	5	3	
CV1777	6	37	6	6	4	CV1846	5	*38	6	4	3	CV1878	6	*36	6	5	3	CV1926	6	45	6	5	3	
CV1784	6	32	6	4	3	CV1849	5	*38	6	6	3	CV1882	6	*36	6	4	3	CV1928	12	33	2	1	1	
CV1790	6	50	6	3	4	CV1851	5	*52	6	4	3	CV1883	6	*36	6	4	3	CV1929	6	48	6	3	3	
CV1800	1	57	6	5	3	CV1852	5	*52	6	6	3	CV1893	6	*36	6	6	3	CV1930	6	48	6	5	3	
CV1802	1	57	6	5	3	CV1854	5	*51	6	4	3	CV1931	6	62	6	1	3	CV1932	6	42	6	5	3	
CV1803	1	54	6	5	3	CV1855	5	*51	6	6	3	CV1933	6	65	6	10	3	CV1933	6	42	6	5	3	
CV1805	1	54	6	5	3	CV1856	5	*51	6	6	3													
CV1811	1	58	6	5	3																			
		86	6	10	3																			
		*99	6	8	3																			
			6	8	3																			
*Tube good if it reads 30 or more.																								
CV1818	1	55	6	10	3																			
		96	6	5	3																			

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	
CV1934	6	42	6	5	3	CV1957	6	47	6	4	3	CV1973	6	41	6	3	8	CV1996	6	52	6	2	8	
CV1935	6	50	6	10	3	CV1958	6	47	6	5	3	CV1974	6	47	6	10	3	CV1997	6	72	6	4	8	
CV1936	6	50	6	10	3	CV1959	50	47	6	4	3	CV1975	6	47	6	10	3	CV2000	6	72	6	5	8	
CV1937	6	50	6	10	3	CV1960	6	47	6	5	3	CV1976	6	37	6	5	3	CV2001	6	85	6	1	2	
CV1938	6	41	6	5	3	CV1961	12	33	6	1	1	CV1978	6	34	5	4	3	CV2002	6	38	6	9	2	
CV1940	6	41	6	5	3	CV1962	6	52	6	10	3	CV1981	6	40	6	4	3	CV2003	6	33	9	9	2	
CV1941	6	52	6	10	3	CV1963	6	63	6	4	3	CV1982	6	40	6	4	3	CV2004	3	*48	5	3	6	
CV1942	6	52	6	10	3	CV1964	6	63	6	5	3	CV1985	6	43	6	1	8	CV2005	3	*36	5	4	6	
CV1943	6	52	6	10	3	CV1965	6	63	6	4	3	CV1988	6	44	6	1	8	CV2006	3	*36	5	4	6	
CV1944	6	35	6	5	3	CV1966	6	63	6	5	3	CV1990	6	44	6	4	8	CV2007	35	33	6	5	3	
CV1945	6	35	6	5	3	CV1967	6	63	6	4	3	CV1991	6	42	6	2	8	CV2008	1	52	5	6	6	
CV1946	6	35	6	5	3	CV1968	6	63	6	10	3	CV1993	6	71	6	4	8	CV2009	6	35	6	1	1	
CV1947	6	37	6	5	3	CV1969	6	63	6	4	3	CV1995	6	71	6	5	8	CV2010	6	33	6	1	1	
CV1948	6	37	6	5	3	CV1970	6	63	6	5	3	CV1996	6	71	6	2	8	CV2011	6	40	6	1	1	
CV1949	6	43	6	1	1	CV1971	6	63	6	5	3	CV1997	6	71	6	4	8	CV2012	6	40	6	1	1	
CV1950	6	44	6	10	3	CV1972	6	48	6	4	8	CV1998	6	71	6	5	8	CV2013	6	48	6	3	8	
CV1951	6	44	6	10	3																			
CV1956	6	47	6	4	3																			
		47	6	5	3																			

CV1633-CV2716

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
CV2721	6	*32	8	2	2	CV3799	50	*69	3	5	3	DAC32	1	55	6	10	3
*Normally shows short position 1-6-9.						*Normally shows grid emission. *Normally shows short position 11.						DH63					
CV2748	5	*36	6	4	3	CV4007	6	33	6	2	1	DAF91	1	56	6	6	6
*Normally shows short position 8-11.						CV4010						DH74					
CV2769	6	*55	1	5	1	CV4018	6	32	5	1	1	DAF92	2	55	6	6	6
*Normally shows short position 2-7.						CV4024						DH76					
CV2901	6	40	2	9	2	D2M9	6	33	6	7	1	DAF96	1	70	6	4	6
CV2938	6	35	6	5	3	D63	6	48	6	3	3	DC90	1	*70	5	6	6
CV2975	6	33	1	2	2	D77	6	33	6	2	1	*Normally shows short position 2-3.					
CV2983	3	45	5	6	6	D152	6	33	6	2	1	DCC90	3	45	4	3	6
CV2984	6	35	6	1	8	D193	3	*36	5	4	6	DD6	6	33	6	2	1
CV3512	6	34	5	6	1	DA90	2	*70	2	6	6	DF33	2	53	6	10	3
CV3523	6	*38	1	5	3	*Normally shows short position 5-11.						DH107					
*Normally shows short position 4-6.						DF91						DH149					
CV3798	50	*70	3	5	3	DF92	1	55	5	6	6	DF96	1	58	5	6	6
*Normally shows short position 11.						DF97						DH710					
*Normally shows grid emission.						DF904						35					
												35					

Normal shorts refer to position of "C" switch.

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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
DH719	6	43	6	8	2	DL96	2	48	5	6	6	E80L	6	29	1	2	2
DK32	1	57	6	5	3	DP61	6	33	2	1	1	E80T	6	72	6	2	2
DK91	1	57	5	4	6	DY30	1	*96	3	10	3	E81L	6	26	1	2	2
DK92	1	48	6	4	6	*Normally shows short position 5-8-11.						E83F	6	25	6	2	2
DK96	1	54	6	4	6	DY80	1	*99	1	10	7	E88CC	6	28	6	2	2
DL33	3	45	9	5	3	*Tube good if it reads 20 or more. *Normally shows short position 6-11.						E90CC	6	32	6	5	1
DL35	1	54	6	5	3	DY86	1	*95	1	10	7	E90F	6	32	6	1	1
DL36	1	48	6	5	3	*Normally shows short position 6-11.						E91AA	6	33	6	2	1
DL91	1	*55	5	3	6	DY87	1	*95	1	10	7	E91H	6	32	6	1	1
*Normally shows short position 2-6.						DY802	1	*99	1	10	7	E91N	6	32	5	1	1
DL92	3	*48	5	3	6	*Tube good if it reads 40 or more. *Normally shows short position 6-11.						E92CC	6	27	6	6	1
*Normally shows short position 2-6.						E55L	6	*25	7	8	10	E99F	6	32	6	1	1
DL93	3	*36	5	4	6	*Normally shows short position 7-9.						E180F	6	27	3	2	2
*Normally shows short position 2-6.						E80CC	12	42	10	2	2	E182CC	6	28	9	2	2
DL94	3	45	5	6	6	E80CF	6	25	6	2	2	E188CC	6	24	6	2	2
DL95	3	*42	5	3	6	*Normally shows short position 2-6.						E235L	6	24	6	7	2
*Normally shows short position 2-6.						E80F	6	39	8	9	2	67					
CV2721-EBC91												67					

Normal shorts refer to position of "C" switch.

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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	
EBF80	6	37	6	2	2	ECC35	6	43	6	1	8	ECC801S	12	32	10	2	2	ECF802	6	29	6	2	2	
EBF83	6	64	6	8	2	ECC81	12	32	10	2	2	ECC802S	12	40	10	2	2	ECF805	6	33	6	9	2	
EBF89	6	62	6	8	2	ECC82	12	40	10	2	2	ECC808	6	50	6	1	2	ECH81	6	85	6	1	2	
EC81	6	33	6	2	2	ECC83	12	42	10	7	2	ECC960	6	32	6	5	1	ECH83	6	30	6	2	2	
EC86	6	29	3	6	7	ECC84	6	33	8	2	2	ECF80	6	31	6	2	2	ECH84	6	34	6	9	2	
EC88	6	*85	7	8	2	ECC85	6	32	6	2	2	ECF82	6	33	6	2	2	ECH200	6	34	6	3	13	
EC90	6	41	1	6	1	ECC86	6	33	6	7	2	ECF86	6	24	3	2	2	ECL80	6	37	6	9	2	
EC91	6	*29	7	1	1	ECC88	6	31	6	2	2	ECF200	6	32	6	3	13	ECL82	6	33	6	2	2	
EC92	6	30	6	6	1	ECC89	6	29	6	2	2	ECF201	6	30	6	3	13	ECL84	6	25	6	8	2	
EC95	6	33	1	2	1	ECC91	6	29	2	6	2	ECF202	6	40	6	10	13	ECL85	6	29	6	9	2	
EC97	6	33	1	2	1	ECC189	6	30	6	2	2	ECF801	6	24	3	2	2	ECL86	6	26	6	8	2	
EC900	6	27	2	1	1																			

◆ Use TC-80 Adapter

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	
ECLL800	6	*99	6	1	2	EF96	6	31	2	1	1	EL85	6	*39	1	2	2	EL821	6	28	6	2	2	
		35	6	2	2	EF98	6	30	6	1	1	*Normally shows short position 6-8.						ELL80	6	29	6	2	2	
		35	6	6	2	EF183	6	30	3	2	2	EL86	6	*30	1	2	2							
*Tube good if it reads 20 or more.						EF184	6	29	3	2	2	*Normally shows short position 7-8.						EM-87	6	*55	2	1	2	
ED2	6	33	6	2	1	EF804	6	39	2	9	2	EL90	6	35	1	7	1							
		33	6	7	1	EF-806S	6	40	2	9	2	EL91	6	34	6	1	1	*Normally shows short position 6-8.						
ED500◆	6	*54	6	8	10	EFL200	6	30	6	1	13	EL95	6	34	1	7	1	EN93	6	43	6	1	1	
*Normally shows short position 2-3-6-7-9.						EH90	6	35	6	1	1	EL500◆	6	*26	1	2	10	EQ80	6	33	3	7	2	
EF22	6	36	6	6	4	EH-900S	6	42	6	1	1	*May show short position 3-6-7-8.					EBY81	6	30	2	9	2		
EF-37A	6	44	6	10	3	EK90	6	35	6	1	1	EL503◆	6	*31	3	7	10	EBY82	6	29	6	9	2	
EF80	6	33	1	2	2	EL34	6	35	6	5	3	*Normally shows short position 1-2-6-8.					EBY86	6	*95	1	10	7		
EF85	6	33	1	2	2	EL36	6	*32	4	5	3	EL505◆	6	*26	1	8	10	*Normally shows short position 6-11.						
EF86	6	40	2	9	2	*Normally shows short position 3-8.						*Normally shows short position 2-3-6-7.					EBY87	6	*98	1	10	7		
EF89	6	34	1	2	2	EL37	6	37	6	5	3	EL508◆	6	28	1	8	10	*Normally shows short position 6-11.						
EF91	6	30	6	1	1	EL38	6	29	6	5	3	EL802	6	*29	7	2	2	EBY88*	6	27	7	3	7	
EF92	6	35	6	1	1	EL81	6	*32	8	2	2	*Normally shows short position 3-9.					EBY88*	6	27	7	3	7		
EF93	6	33	2	1	1	*Normally shows short position 1-6-9.						EL803	6	30	6	2	2	EZ35	6	40	6	3	3	
EF94	6	33	6	1	1	EL82	6	71	2	9	2	EL820	6	*32	8	2	2							
EF95	6	33	2	1	1	EL83	6	30	6	2	2	*Normally shows short position 1-6-9.					EZ80	6	40	6	1	2		
<b>EBF80-EZ80</b>						EL84	6	33	1	2	2													

Normal shorts refer to position of "C" switch.

■ Use TC-62B 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
EZ81	6	34	6	1	2	HBC90	12	39	6	1	1	KT66	6	39	6	5	3	LCL84	10	25	6	8	2
EZ90	6	44	6	1	1	HBC91	12	40	6	1	1	KT88	6	35	6	5	3	LCL85	10	25	6	1	2
G180/ZM	50	*99	3	5	3	HCC85	17	32	6	2	2	KT263	6	50	6	10	3	LFL183	4	29	6	2	2
*Tube good if it reads 60 or more.						HCH81	12	32	6	7	2	L63	6	42	6	5	3	LL184	4	29	3	2	2
*Normally shows short position 11.						HD14	1	55	6	10	3	L77	6	41	1	6	1	LL200	11	30	6	1	13
*Normally shows grid emission.						HF93	12	33	2	1	1	LC900	3	27	2	1	1	LL86	10	*30	1	2	2
GZ30	5	*36	6	4	3	HF94	12	33	6	1	1	LCF80	6	31	6	2	2	*Normally shows short position 1-8.					
*Normally shows short position 8-11.						HK90	12	35	6	1	1	LCF200	5	32	6	3	13	LL500♦	18	*26	1	2	10
GZ32	5	*51	6	4	3	HL90	19	35	1	7	1	LCF201	5	30	6	3	13	*May show short position 3-6-7-8.					
*Normally shows short position 8-11.						HL92	50	35	2	5	1	LCF801	5	24	3	2	2	LL505♦	27	*26	1	8	10
GZ34	5	*30	6	4	3	HL94	29	27	5	2	1	LCF-802	6	26	3	9	2	*Normally shows short position 2-3-6-7.					
*Normally shows short position 8-11.						HMO4	6	35	6	1	1	LCH200	5	34	6	3	13	LL521♦	21	*25	1	8	10
H63	6	40	6	10	3	HY90	35	33	7	5	1	LCL80	4	37	6	9	2	*Normally shows short position 2-3-6-7.					
HABC80	19	43	6	8	2	KT32	25	34	6	5	3	LCL82	11	44	6	2	2	LL802	10	*29	7	2	2
*Normally shows short position 8-11.						KT63	6	54	6	5	3	*Normally shows short position 3-9.						LN152	6	37	6	9	2
*Normally shows short position 8-11.																		44 6 2 2					

◆Use TC-80 Adapter

Normal shorts refer to position of "C" switch.

■Use TC-62B Adapter.

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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
LY81	11	30	2	9	2	NCC189	4	30	6	2	2	OSW3105	6	42	6	2	8	PCC85	9	32	6	2	2
LY88*	22	27	7	3	7	NR67	6	44	6	10	3	OSW3106	6	71	6	4	8	PCC88	7	31	6	2	2
*If no test, use alternate settings.						NR78	6	46	6	5	3	OSW3108	6	41	6	5	3	PCC89	7	31	6	7	2
LY88	22	27	3	7	7	NR78A	6	42	6	5	3	OSW3109	6	37	6	5	3	PCC189	7	29	2	6	2
LY500■	28	26	2	5	8	NR81	6	52	6	10	3	OSW3111	6	48	6	3	3	PCF80	9	29	6	2	2
LZ319	9	45	6	5	3	NR83	6	50	6	10	3	OSW3112	6	48	6	5	3	PCF82	9	30	6	2	2
M8081	6	34	6	5	1	NR85	6	54	6	5	3	PABC80	9	43	6	8	2	PCF86	7	30	6	7	2
M8100	6	33	2	1	1	NR95	25	34	6	5	3	*Normally shows short position 1-3-7-9.						PCF200	8	30	6	2	2
N14	1	54	6	5	3	NU20	5	*51	6	4	3	PC86	4	29	3	6	7	PCF201	8	31	6	2	2
N17	3	*48	5	3	6	*Normally shows short position 8-11.						PC88	4	*85	7	8	2	PCF802	9	34	6	2	2
N18	3	*42	5	3	6	OBC3	12	42	6	2	8	*Normally shows short position 1-3-7-9.						PCF801	8	26	3	9	2
N19	3	45	5	6	6	OF1	6	47	6	10	3	PC95	4	33	1	2	1	*Normally shows short position 1-3-7-9.					
N152	20	*32	8	2	2	OH4	12	45	6	5	3	PC97	5	33	1	2	1	PCF802	9	29	6	2	2
*Normally shows short position 1-6-9.						OSW2190	6	33	6	4	3	PC900	4	27	2	1	1	*Normal Shorts refer to position of "C" Switch.					
N329	16	71	2	9	2	OSW2192	6	32	6	4	3	PCC84	7	33	8	2	2	*Use TC-62-B Adapter.					
N709	6	33	1	2	2	OSW2600	6	33	6	4	3	33 8 6 2						34 6 9 2					
*Normally shows short position 1-6-9.						OSW2601	6	32	6	4	3												

EZ81 - PCF802

◆Use TC-80 Adapter

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

■Use TC-62-B Adapter

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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						
PCF805	7	33	9	9	2	PL81	19	*32	8	2	2	PL820	19	*32	8	2	2	QA2408	6	44	6	1	8						
PCH200	9	34	6	3	13	*Normally shows short position 1-6-9.						PM04	6	33	2	1	1	PM05	6	33	2	1	1	QE03/10	6	33	9	9	2
PCL82	16	32	6	8	13	PL82	16	71	2	9	2	PL83	12	30	6	2	2	PY32	29	25	7	3	3	QE05/40	6	*38	1	5	3
PCL84	15	39	6	1	2	PL84	15	*30	1	2	2	*Normally shows short position 7-8.						QS150/40	50	*99	3	5	3						
PCL85	18	25	6	1	2	PL500	28	*26	1	2	10	*May show short position 3-6-7-8.						PY80	19	29	6	9	2						
PCL86	14	29	6	2	2	PL505	40	*26	1	8	10	*Normally shows short position 2-3-6-7.						PY81	17	30	2	9	2						
PD500	9	54	6	8	10	PL508	17	28	1	8	10	*Normally shows short position 2-3-6-7.						PY82	19	29	6	9	2						
PF9	6	52	6	10	3	PL509	30	*26	1	8	10	*Normally shows short position 2-3-6-7-9.						PY88*	30	27	7	3	7						
PF86	4	35	2	9	2	*Normally shows short position 2-3-6-7.						PY88	30	27	3	7	7	*If no test, use alternate settings.											
PFL200	16	30	6	1	13	PL521	29	*25	1	8	10	*Normally shows short position 2-3-6-7.						PY500	42	26	2	5	8						
PH4	6	45	6	5	3	PL802	16	*29	7	2	2	*Normally shows short position 3-9.						QA240	6	41	1	6	1						
PL36	25	27	6	5	3							QA2404	6	33	6	2	1	QA2406	12	32	10	2	2						
												QA2407	6	44	6	1	1	QA2408	6	33	6	7	1						
																		SN7	1	*96	3	10	3						
																		*Normally shows short position 5-8-11.											
																		SP6	6	30	6	1	1						
																		T2M05	6	34	6	5	1						
																		34 6 6 1											

\*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	TUBE TYPE	Heater	A	B	C	Socket
TJ880	6	*34	7	2	2	U149	6	45	6	3	4	UCH81	19	32	6	2	2	VR-90	50	*69	3	5	3
*Normally shows short position 3-9.						U153	17	30	2	9	2	UCL82	50	33	6	3	2	*Normally shows short position 11.					
TS51	6	33	2	1	1	U154	19	29	6	9	2	UF86	12	40	2	9	2	VR-105	50	*85	3	5	3
TS52	6	34	6	5	1	U192	19	29	6	9	2	UF89	12	34	1	2	2	*Normally shows short position 11.					
TS-876C	6	*28	1	2	2	U709	6	34	6	1	2	UF89	12	34	1	2	2	*Normally shows grid emission.					
*Normally shows short position 3-9.						UAA91	19	33	6	2	1	UL84	50	33	1	2	2	VR-150	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 8-11.						UABC80	25	33	6	7	1	UY82	50	29	6	9	2	*Normally shows short position 11.					
U52	5	*40	6	4	3							UY85	38	35	1	6	7	VT52	7	41	6	5	3
*Normally shows short position 8-11.						UBF80	17	30	6	2	2	V2M70	6	44	6	1	1	VT65	6	46	6	5	3
U54	5	*30	6	4	3							VP6	6	35	6	1	1	VT66	6	54	6	5	3
*Normally shows short position 8-11.						UCC84	22	33	8	2	2	V-884	6	35	6	1	1	VT74	5	*36	6	4	3
U78	6	44	6	1	1	UCC85	25	32	6	2	2	VP6	6	35	6	1	1	*Normally shows grid emission.					
U147	6	40	6	3	3	UCF80	25	31	6	2	2	VP6	6	35	6	1	1	*Normally shows short position 8-11.					
PCF805-VT88						UCF80	25	34	6	9	2	VP6	6	35	6	1	1	VT86	6	52	6	10	3
																		VT87	6	44	6	10	3
																		VT88	6	52	6	10	3
																		63 6 4 3					

Normal shorts refer to position of "C" switch.

