



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	1BC2	1	**99*	1	10	7	*No short test. 1X2C					
OC3	50	*75	3	5	3	1AH5	1	58	6	6	6	1BG2	1	*95	6	10	2	1BY2▲	1	*99	5	10	3
*Normally shows short position 11. *Normally shows grid emission.						1AJ4	1	58	5	6	6	*Insert leads into pins 4 & 5 of socket #2. Top cap goes to top lead.						*Tube good if it reads 14 or more.					
OC3A	50	*75	3	5	3	1AN5	1	40	5	6	6	1BH2*	1	95	6	10	9	1C1	1	57	5	4	6
*Normally shows short position 11. *Normally shows grid emission.						1AU2	1	*100	1	9	2	*Connect two leads from solder lugs of the 1BH2 to pin holes No. 1 and 12 of Socket No. 9.						1C2	1	48	6	4	6
OD3	50	*99	3	5	3	1AU3	1	*99	9	10	3							1C3	1	54	6	4	6
*Tube good if it reads 60 or more. *Normally shows short position 11. *Normally shows grid emission						*Ignore all shorts except on position 10.												1C5	2	48	6	5	3

▲Use TC-70 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
1D-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						*Tube good if it reads 20 or more. *Ignore all shorts except on position 10.						1P10 3 *48 5 3 6					
1DK29	1	*95	6	10	2	1G3	1	*97	6	10	3	*Ignore all shorts except on position 10.						*Normally shows short position 2-6.					
*Insert leads into pins 4 & 5 of socket #2. Top cap goes to top lead.						1G6	1	55	6	4	3	1L4	2	52	5	6	6	1P11	3	45	5	6	6
1DN5	2	54	6	6	6	55 6 5 3						1L6	2	56	6	4	6	1Q5	2	40	6	5	3
75 6 4 6						1H2	1	*97	1	10	7	1LA4	2	53	6	6	4	1R4	2	65	6	4	4
1DY4	1	*33	2	6	1	*Tube good if it reads 40 or more.						1LA6	2	58	6	4	4	1R5	2	53	5	4	6
*Normally shows short position 1-7.						1H5	1	55	6	10	3	1LB4	2	53	6	6	4	*Normally shows short position 6-11					
1F1	1	58	5	6	6	*Normally shows short position 6-11.						1LC5	1	54	5	6	4	1R-K23	1	*98	1	10	7
1F2	1	55	5	6	6	1H6	2	54	6	6	3	1LC6	2	59	6	4	4	*Tube good if it reads 40 or more.					
1F3	1	55	5	6	6	65 6 4 3						1LD5	2	53	6	6	4	*Ignore all shorts except on position 10.					
1F5	2	48	6	5	3	65 6 5 3						1LE3	1	55	6	6	4	1S2-A 1 *98 1 10 7					
1F7	2	54	6	10	3	1H35	1	54	6	4	6	1LG5	2	50	5	6	4	*Normally shows short position 6-11.					
64 6 4 3						1J3	1	*99	9	10	3	1LH4	2	52	6	6	4	1S4	2	*44	5	3	6
67 6 5 3						*Tube good if it reads 30 or more.						1LN5	2	50	5	6	4	*Normally shows short position 2-6.					
1FD1	1	58	6	6	6	*Ignore all shorts except on position 10.						1N2-A	1	*95	9	10	3	1S5	2	54	6	6	6
70 6 3 6						1J6	2	53	6	4	3	*Ignore all shorts except on position 10.						1T4	2	50	5	6	6
						53 6 5 3						1N5	2	53	6	10	3	1T5	1	54	6	5	3
																		1U4	2	49	5	6	6

OA3-1U4

▲Use TC-70 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
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						

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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
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							3BY7	3	33	1	2	2	*Ignore all shorts except on position 10.					
		38	6	9	2	3BA6	3	33	2	1	1	3BZ6	3	31	6	1	1						
3AL5	3	33	6	2	1	3BC5	3	35	2	1	1	3C2	3	*90	5	10	3	3CY3	3	*99	1	10	3
		33	6	7	1	3BE6	3	35	6	1	1	*Normally shows short position 4-6-8-11.						*Tube good if it reads 40 or more.					
3AT2	3	*97	9	10	9	3BL2	3	*90	9	10	9	3C4	2	48	5	6	6	*Ignore all shorts except position 10.					
*Tube good if it reads 40 or more.						*Normally shows short position 2-5-6-9-11.						3CA3	3	*99	3	10	3	3CY5	3	35	2	1	1
**Normally shows short position 2-5-6-9-11.						3BM2▲	3	90	5	10	3	*Tube good if it reads 40 or more.						3CZ3	3	98	9	10	3
3AU6	3	33	6	1	1	3BN2▲	3	*99	5	10	3	*Ignore all shorts except on position 10.						3D6	2	43	8	6	4
3AV6	3	40	6	1	1	*Tube good if it reads 35 or more.						3CB6	3	33	6	1	1	3DB3	3	*99	1	10	3
		78	6	5	1	3BN4	3	*33	2	7	1	3CE5	3	35	2	1	1	*Tube good if it reads 40 or more.					
		78	6	6	1	*Normally shows short position 1-6.						3CF6	3	33	6	1	1	*Ignore all shorts except position 10.					
3AW2▲	3	93	5	10	3	3BN6	3	99	6	5	1	3CN3	3	*94	5	10	3	3DC3	3	*87	9	10	3
						3BS2▲	3	94	5	10	3	*Normally shows short position 3-11.						*Ignore all shorts except position 10.					
						3BS2A▲	3	94	5	10	3	3CN3A	3	*94	5	10	3	*Tube good if it reads 40 or more.					
						3BT2▲	3	*95	5	10	3	*Normally shows short position 3-11.						3DG4	4	30	6	5	12
						*Tube good if it reads 40 or more.																	

1U5-3DG4

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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
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						
*Tube good if it reads 20 or more.						3GS8	3	33	6	7	2	3KT6	3	25	1	2	2						
3DK6	3	33	6	1	1	3GU5	3	27	2	1	1	3L35	3	*36	5	4	6	4BA6	4	33	2	1	1
3DT6	3	33	6	1	1	3GW5	3	25	2	6	1	*Normally shows short position 2-6						4BC5	4	35	2	1	1
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						
3DY4	3	*33	2	6	1	3HA5	3	27	2	1	1	3M-R24	3	35	6	1	1	4BE6	4	35	6	1	1
*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 2-6.						3Q4	3	*42	5	3	6						
*Normally shows short position 1-7.						3HF5	3	*25	10	5	9	3Q5	3	45	9	5	3	4BN4	4	*33	2	7	1
3EA5	3	33	2	1	1	*Normally shows short position 1-3-4-6-8-10.						3S4	3	*48	5	3	6	*Normally shows short position 1-6.					
3EH7	3	30	3	2	2	3HK5	3	27	2	1	1	3V4	3	45	5	6	6	4BN6	4	99	6	5	1
3EJ7	3	29	3	2	2	*Normally shows short position 2-6.						*Normally shows short position 2-6.						4BQ7	4	32	6	2	2
3ER5	3	33	1	2	1	3HM5	3	27	2	1	1	4AB8	4	37	6	9	2						
3ES5	3	33	1	2	1	3HM6	3	24	3	2	2							4BS8	4	32	6	2	2
3EV5	3	33	2	1	1	3HQ5	3	29	2	1	1												
3FH5	3	33	1	2	1	3HS8	3	30	6	7	2	4A06	4	33	6	1	1	4BU8	4	33	6	7	2
3FQ5	3	33	1	2	1	3HT6	3	28	3	2	2	4A08	4	31	6	7	2	4BX6	4	33	1	2	2
3FQ5A	3	31	1	2	1	3JC6	3	26	3	2	2							4BX8	4	33	6	2	2
3FS5	3	27	2	1	1	3JC6A	3	26	3	2	2												
3FY5	3	33	1	2	1													4BZ6	4	31	6	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
4BZ7	4	32	6	2	2	4EW6	4	29	6	1	1	4HM5	4	27	2	1	1	4LJ8	4	*95	3	2	2
		32	6	7	2	4GJ7	4	24	3	2	2	4HM6	4	24	3	2	2						
4BZ8	4	30	6	2	2			26	3	9	2	4HQ5	4	29	2	1	1	*For grid emission turn C switch to position 1.					
		30	6	7	2	4GK5	4	25	1	2	1	4HR8	4	35	2	9	2	**For grid emission turn C switch to position 9.					
4CB6	4	33	6	1	1	4GM6	4	30	6	1	1	4HS8	4	30	6	7	2	4LU6	4	30	6	1	1
4CE5	4	35	2	1	1	4GS7	4	30	9	9	2	4HT6	4	28	3	2	2	4MK8	4	34	6	7	2
4CM4	4	29	3	6	7			30	9	1	2	4JC6	4	26	3	2	2	4M-P12	4	34	6	1	1
4CS6	4	35	6	1	1	4GS8	4	33	6	7	2	4JC6A	4	26	3	2	2	4M-P26	4	40	6	1	1
4CY5	4	35	2	1	1	4GW5	4	25	2	6	1	4JD6	4	26	1	2	2						
4DE6	4	30	6	1	1	4GX6	4	25	6	1	1	4JH6	4	25	6	1	1	4R-HH2	4	27	6	2	2
4DK6	4	33	6	1	1	4GX7	4	26	3	2	2	4JK6	4	26	6	1	1						
4DL4	4	*85	7	8	2			26	3	9	2	4JL6	4	26	6	1	1	4R-HH8	4	27	6	7	2
*Normally shows short position 1-3-7-9.						4GZ5	4	26	2	5	1	4JW8	4	29	6	2	2						
4DT6	4	33	6	1	1	4HA5	4	27	2	1	1	4KE8	4	26	6	2	2	4RHH15	4	90	6	6	2
						4HA7	4	35	5	9	9												
4EH7	4	30	3	2	2			*40	5	1	9	4KF8	4	33	6	7	2						
4EJ7	4	29	3	2	2	4HC7	4	*40	5	9	9	4KN8	4	86	6	1	2	*Normally shows short position 1-7.					
4ER5	4	33	1	2	1	*Normally shows short position 7-10.												5AF4	5	*33	2	6	1
4ES8	4	30	6	2	2	4HG8	4	24	3	2	2	4KT6	4	25	1	2	2	5AF11	5	31	6	1	9
		30	6	7	2			25	1	6	2												
3DJ3-5AF11						4HK5	4	27	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
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.											
5V6	5	41	6	5	3	5Z10	5	*40	6	4	3	6AF3	6	32	2	9	2	6AJ5	6	36	2	1	1
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						6AJ8					
5W4	5	*52	6	4	3	6A8	6	45	1	5	3			30	2	8	13	6AJ9	6	38	6	9	2
		*52	6	6	3	6AB4	6	30	6	6	1	6AF11	6	31	6	1	9			29	6	3	13
*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	33	2	1	1
		47	6	5	8	6AC5						6AG5						6AK7					
5X8	5	30	6	7	2			44	6	2	2			31	2	1	1	6AK8	6	32	6	4	3
		32	6	2	2	6AC7	6	33	1	4	3	6AG7	6	32	1	4	3			43	6	8	2
5X9	5	32	6	3	13	6AC9	6	28	3	9	9	6AG9	6	30	6	5	9			35	6	2	2
		38	6	10	13			47	3	2	9	6AG11	6	28	6	8	9			35	6	1	2
5Y3	5	*51	6	4	3	6AC10								28	6	5	9	6AK9	6	30	7	10	9
		*51	6	6	3			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.

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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
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			82	6	6	1	6AT8	6	72	6	6	1	*Normally shows short position 6-11.					
6AM5	6	27	6	8	9	6AQ7	6	45	6	4	8			33	6	9	2	6AX3	6	34	4	10	9
6AM6	6	34	6	1	1			65	6	1	8			35	6	1	2	6AX4	6	35	6	5	8
6AM8	6	30	6	1	2	6AQ8						6AU4	6	33	1	5	8	6AX5	6	53	6	3	3
		30	6	2	1			32	6	2	2	6AU5	6	40	6	1	3			53	6	5	3
6AN4	6	*30	2	6	1	6AR5	6	32	6	7	2	6AU6	6	33	6	1	1	6AX7	6	42	10	2	2
*Normally shows short position 1-7.						6AR8	6	47	6	1	1	6AU7	6	40	10	2	2	6AX8	6	42	10	7	2
6AN5	6	33	2	1	1	6AR11	6	30	6	6	2			40	10	7	2			33	6	2	2
6AN6	6	55	6	2	6			28	6	5	9	6AU8	6	31	6	7	2			33	6	9	2
		55	6	3	6	6AS5	6	28	6	10	9			32	6	2	2	6AY3	6	30	8	2	10
		55	6	4	6	6AS6	6	36	2	5	1	6AV5	6	33	6	1	3	6AY3B	6	30	8	2	10
		55	6	5	6	6AS7	6	35	6	1	1	6AV6	6	40	6	1	1	6AY11	6	30	6	5	9
								35	6	1	8			78	6	5	1			30	6	8	9
																				30	6	3	9
																				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
6B4	6	35	6	5	3	6B14♦	6	*33	2	1	10	6BE8	6	*33	6	9	2						
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
6B8	6	58	6	5	3	6BC4	6	28	3	7	7	6BF6	6	50	6	1	1	6BJ7	6	33	6	2	2
		58	6	10	3	6BC5	6	35	2	1	1			78	6	5	1						
		75	6	4	3	6BC7	6	32	6	2	2			78	6	6	1	6BJ8	6	33	6	6	2
		75	6	5	3			32	6	6	2	6BF8	6	32	6	1	2						
6B10	6	43	6	3	9			32	6	8	2			32	6	2	2						
		43	6	5	9	6BC8	6	33	6	2	2			32	6	3	2						
		34	6	8	9			33	6	7	2			32	6	7	2	6BK4Δ	6	87	7	5	3
		34	6	10	9	6BC32	6	40	6	1	1			32	6	8	2	6BK4AΔ	6	87	7	5	3
6B31	6	33	6	2	1			67	6	5	1			32	6	9	2	6BK4BΔ	6	87	7	5	3
		33	6	7	1			67	6	6	1	6BF11	6	25	6	3	9	6BK5	6	37	3	7	2
6B32	6	33	6	2	1	6BD5	6	33	6	1	3			25	6	8	9	6BK6	6	39	6	1	1
		33	6	7	1	6BD6	6	43	6	1	1	6BG6	6	40	6	5	3						
6BA3	6	36	8	2	10	6BD11	6	26	6	1	9	6BH3	6	30	8	2	10						
6BA6	6	33	2	1	1			31	6	3	9	6BH3A	6	30	8	2	10	6BK7	6	32	6	2	2
6BA7	6	33	6	2	2			31	6	6	9	6BH6	6	33	6	1	1						
6BA8	6	31	6	7	2	6BE3	6	26	4	10	9	6BH8	6	34	6	7	2						
		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	6BY7	6	33	1	2	2
		42	6	9	9	6BQ7	6	32	6	2	2			33	6	9	2	6BY8	6	34	6	1	2
6BL4	6	31	1	5	8			32	6	7	2	6BV11	6	27	6	6	9						
6BL7	6	36	6	1	8	6BR3	6	30	2	9	2			27	6	7	9	6BY11	6	32	6	3	9
		36	6	4	8	6BR8	6	32	6	9	2	6BW3	6	28	4	10	9						
6BL8	6	31	6	2	2			31	6	1	2	6BW4	6	50	6	1	2	6BZ3	6	28	4	10	9
		34	6	9	2	6BS3	6	27	8	2	10			50	6	7	2	6BZ6	6	31	6	1	1
6BM8	6	33	6	3	2	6BS3A	6	27	8	2	10	6BW6	6	50	2	1	2	6BZ7	6	32	6	2	2
		39	6	1	2	6BS8	6	32	6	2	2	6BW7	6	33	1	2	2						
6BN4	6	*33	2	7	1			32	6	7	2	6BW8	6	33	2	6	2	6BZ8	6	30	6	2	2
*Normally shows short position 1-6.						6BT6	6	39	6	1	1			34	8	1	2						
6BN5	6	*39	1	2	2			72	6	5	1			34	8	3	2	6C4	6	41	1	6	1
*Normally shows short position 6-8.						6BT8	6	33	6	8	2	6BW11	6	30	6	1	9	6C5	6	46	1	5	3
6BN6	6	99	6	5	1			72	6	6	1			30	6	3	9	6C8	6	45	6	5	3
6BN8	6	35	6	8	2			57	6	1	2	6BX6	6	33	1	2	2						
		35	6	1	2	6BU6	6	50	6	2	2	6BX7	6	36	6	1	8	6C9	6	28	7	1	2
		35	6	6	2			50	6	1	1			36	6	4	8						
6BN11	6	25	6	3	9			78	6	5	1	6BX8	6	33	6	2	2	6C10	6	42	6	1	9
		25	6	7	9			78	6	6	1			33	6	7	2						
6AZ8-6C10						6BU8	6	33	6	7	2	6BY5	5	38	6	4	3						
														38	6	5	3						

Normal shorts refer to position of "C" switch.

12

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	6CL5	6	*35	4	5	3	6CQ8	6	33	6	2	2
6C18	6	34	6	9	2	2	6CE3	6	27	4	10	9	*Normally shows short position 1-3-6-8.					6CR6	6	33	6	9	2	
		33	9	9	2	2	6CE5	6	35	2	1	1	6CL6	6	*32	2	9	2	6CR6	6	39	6	7	1
6CA4	6	30	9	7	2	2	6CF6	6	33	6	1	1	*Normally shows short position 3-8.					6CR8	6	72	6	2	1	
		34	6	1	2	2	6CG3	6	26	4	10	9	6CL8	6	32	6	9	2	6CR8	6	*32	6	2	2
6CA5	6	34	6	7	2	2	6CG7	6	45	6	2	2	6CL8	6	32	6	9	2	*34 6 9 2					
		32	2	5	1	1	6CG8	6	45	6	7	2	6CL8	6	32	6	1	2	*Normally shows short position 8.					
6CA7	6	35	6	5	3	2	6CG8	6	30	3	9	2	6CM3	6	30	2	7	10	6CS6	6	35	6	1	1
6CA11	6	35	9	3	9	2	6CH3	6	32	3	1	2	6CM4	6	29	3	6	7	6CS7	6	34	6	3	2
		33	9	6	9	2	6CH3	6	26	2	7	10	6CM5	6	*32	4	5	3	6CS7	6	47	6	7	2
6CB5	6	33	8	8	9	2	6CH6	6	28	6	2	2	*Normally shows short position 3-8.					6CT3	6	32	2	6	2	
		*35	4	5	3	3	6CH8	6	33	6	7	2	6CM6	6	40	3	6	2	6CU5	6	*33	2	5	1
*Normally shows short position 1-3-6-8.						6CJ3	6	36	6	8	2	6CM7	6	40	6	7	2	*It may show short pin 1-11.						
6CB6	6	33	6	1	1	1	6CJ6	6	25	8	2	10	6CM8	6	35	6	8	2	6CU6	6	35	6	5	3
6CC10	6	44	6	1	8	8	*Normally shows short position 1-6-9.					6CM8	6	33	6	2	2	6CU8	6	32	1	7	2	
		44	6	4	8	8	6CK3	6	25	8	2	10	6CN6	6	38	6	9	2	33 7 8 2					
6CC31	6	34	6	5	1	1	6CK4	6	34	1	3	3	6CN7	6	29	6	5	3	6CW4	6	*87	6	2	5
		34	6	6	1	1	6CK6	6	30	6	2	2	6CN7	6	44	10	7	2	*For grid emission turn C switch to position 4.					
6CD3	6	*27	4	10	9	2	6CL3	6	27	2	7	10	6CN7	6	33	10	1	2	6CW5	6	*30	1	2	2
													6CN7	6	33	10	2	2	*May show short position 6-7-8-9.					
*Some tubes may show short position 5-6-8-9.												6CQ4	6	32	6	5	8							
												6CQ6	6	35	6	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
6CW7	6	33	8	2	2	6DB6	6	33	6	1	1	6DN7	6	36	6	1	8	6DT4	6	27	6	5	8
6CX8	6	33	8	6	2	6DC6	6	32	6	1	1	6DQ3	6	44	6	4	8	6DT5	6	*38	3	6	2
		33	6	7	2	6DC8	6	33	6	2	2			6DQ4	6	30	4	10	9	*Normally shows short position 7-11.			
6CY5	6	34	6	2	2	72	6	7	2	2	6DQ5	6	32			6	5	8	6DT6	6	33	6	1
		35	2	1	1			72	6	8			2	6	*35	5	1	3	6DT8	6	30	6	2
6CY7	6	31	2	3	2	6DE4	6	34	6	5	8	*Normally shows short position 3-4-6-8.						6DU3		30	6	7	2
6CZ5	6	45	2	7	2	6DE6	6	30	6	1	1	6DQ6	6	34	6	5	3	6DW4	6	30	4	10	9
		42	3	6	2	6DE7	6	33	2	3	2			6DQ6B	6	30	6	5	3	6DW5	6	29	8
6D1	6	51	1	6	1	44	6	2	7	2	6DG6	6	32	6	5	3	6DX4	6	33	3	6	2	
6D2	6	33	6	2	1			6DJ8	6	31			6	2	2	6DR4	6	51	1	6	1	6	*69
6D4	6	33	6	7	1	31	6	31	6	7	2	6DR7	6	32	2	3	2	*Normally shows short position 2-6.					
		43	6	1	1			6DK3	6	30	2	7	10	6DR8	6	41	2	7	2	6DX8	6	25	6
6D8	6	45	6	5	3	6DK6	6	33	6	1	1	72	6			31	6	2	2	6DY4	6	25	6
6D10	6	32	6	1	9	6DL3	6	33	6	1	1			72	6	7	2	2	*Normally shows short position 1-7.				
		32	6	7	9	6DL4	6	27	2	7	10	6DS4	6	72	6	8	2	6DY5	6	*33	2	6	1
6DA4	6	32	6	9	9	*Normally shows short position 1-3-7-9.	6	*85	7	8	2	*For grid emission turn C switch to position 4.						6DS5	6	*87	6	2	5
		33	6	5	8			6DL5	6	34	1	7	1	6DS8	6	33	1	7	1	6DZ4	6	71	2
6DA6	6	34	1	2	2	6DM4	6	30	6	5	8	6DS5	6	33	1	7	1	6DZ7	6	*31	7	2	1
6DB5	6	*38	3	6	2	6DN3	6	31	2	7	10	6DS8	6	30	6	2	2	*Normally shows short position 1-7.					
*Normally shows short position 2-7.						6DN6	6	33	6	5	3	6DT3	6	34	6	9	2	6DZ8	6	40	6	1	3
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	40	6	5	3
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	30	6	3	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5	3	6DT3	6	30	4	10	9	6DZ8	6	37	6	1	2
						6DN6	6	33	6	5</													

■ 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
is completed.						6EH4	6	*55	4	6	9	6EQ7	6	34	6	2	2	6EY6	6	35	8	5	3
*Normally shows short position 1-2-5-9.						*Normally shows short position 1-2-5-9.						6ER5	6	33	1	2	1	6E25	6	34	6	5	3
6EA5	6	33	2	1	1	6EH5	6	30	2	5	1	6ES5	6	33	1	2	1	6EZ8	6	33	6	2	2
6EA7	6	35	6	1	8	6EH7	6	30	3	2	2	6ES8	6	30	6	2	2		33	6	9	2	
		39	6	4	8	6EH8	6	31	1	7	2		30	6	7	2	2	6F1	6	35	6	1	1
6EA8	6	31	6	9	2		31	1	2	2		6ET6	6	30	6	1	1	6F5	6	40	1	10	3
6EB5	6	52	6	2	1	6EJ4 ✕ Use 6EF4 settings.	6	29	3	2	2	6ET7	6	30	6	7	2	6F6	6	54	1	5	3
		52	6	7	1	6EJ7	6	29	3	2	2		82	6	2	2	6F8	6	45	6	5	3	
6EB8	6	33	6	7	2	6EL4△	6	87	7	5	3	6EU7○	6	52	3	2	2		45	6	10	3	
		34	6	2	2	6EM5	6	36	3	6	2		6	52	3	8	2	6F10	6	33	6	4	3
6EC4■	6	26	2	5	8	6EM7	6	32	6	1	8	Must use special 6EU7 adapter.						6F19	6	33	1	2	2
6ED4◆	6	*54	6	8	10		45	6	4	8		6EU8	6	32	6	7	2	6F22	6	40	2	9	2
*Normally shows short position 2-3-6-7-9.													32	6	2	2	6F26	6	33	1	2	2	
												6EV5	6	33	2	1	1	6F29	6	30	3	2	2
												6EV7	6	34	6	2	2	6F31	6	38	2	1	1
													34	6	7	2	2	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

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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
6F40	6	39	2	9	2	6FM8	6	60	6	8	2	6GB9	6	34	6	5	3	6GH8	6	31	6	2	2
6FA7	6	33	6	7	2			34	6	2	2	6G-B3A	6	27	6	5	3			31	6	9	2
		80	6	3	2			34	6	6	2	6GB5◆	6	*26	1	2	10	6GH8A	6	31	6	2	2
6FC7	6	29	8	2	2	6FQ5	6	33	1	2	1	*May show short position 3-6-7-8.								31	6	9	2
		29	8	6	2	6FQ5A	6	31	1	2	1	6G-B6	6	33	6	5	3	6GJ5	6	*32	7	2	10
6FD6	6	29	6	1	1	6FQ7	6	36	6	2	2	6G-B7	6	30	3	5	3	*Normally shows short position 1-7.					
6FD7	6	24	2	3	2			36	6	7	2	6GC5	6	*33	3	6	2	6GJ5A	6	*32	7	2	10
		38	2	7	2	6FR7	6	25	2	3	2	*Normally shows short position 1-8.						*Normally shows short position 1-7.					
6FE5	6	33	6	5	3			35	2	7	2	6GC6	6	33	4	5	3	6GJ7	6	24	3	2	2
6FG5	6	31	2	1	1	6FS5	6	27	2	1	1	6GD7	6	26	3	1	2			26	3	9	2
6FG7	6	27	3	9	2	6FV6	6	33	6	1	1		24	3	9	2	6GJ8	6	34	6	2	2	
		27	3	1	2	6FV8	6	30	6	9	2	6GE5	6	*27	3	1	9			33	6	9	2
								31	6	1	2	*Normally shows short position 4-10.						6GK5	6	25	1	2	1
6FH5	6	33	1	2	1	6FW5	6	28	6	1	3	6GE8	6	33	6	8	2	6GK6	6	33	3	2	2
6FH8	6	32	6	6	2	6FW8	6	32	6	2	2		33	6	3	2	6G-K17	6	35	6	5	8	
		32	6	2	2																		
6FJ7	6	36	6	3	9			32	6	7	2	6GF5	6	*27	3	1	9	6GL7	6	27	4	1	8
		44	6	10	9	6FY5	6	33	1	2	1	*Normally shows short position 4-10.								41	6	4	8
6FM7	6	25	3	8	9	6FY7	6	25	9	3	9	6GF7	6	28	6	2	10	6GM5	6	26	6	6	2
		36	3	10	9			43	9	10	9		43	6	9	10	6GM6	6	30	6	1	1	
						6G6	6	45	6	5	3	6GF7A	6	28	6	2	10	6GM8	6	33	6	2	2
						6G11	6	36	6	3	9		43	6	9	10				33	6	7	2
								30	6	8	9												

6E8-6M8

6E8-6GM8

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

Normal shorts refer to position of "C" switch.

17

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																			
6HR5	6	30	8	1	1	6HZ6	6	26	6	1	1	6JB6	6	*29	7	2	10	6JE8	6	25	6	7	2		
6HR6	6	24	6	1	1	6HZ8	6	25	6	7	2	*Normally shows short position 1-7.						26 6 2 2							
6HS5	6	*26	2	1	9							6JB6A	6	*29	7	2	10	*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							
6HS8	6	30	6	7	2	6J6	6	34	6	5	1	6JC5						6							
6HT5	6	*56	2	6	9							*Normally shows short position 1-3-4-10.						6JG6A							
*May show short 1-4-7-9.						6J7	6	50	1	10	3							6JH5							
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							6JC6A	6	26	3	2	2								
*Normally shows short position 6-8.												6JC8	6	27	1	2	2	6JH6							
6HU8	6	29	6	2	2	6J10	6	99	6	6	9							6JH8							
												6JD5	6	*30	2	1	9	6JK5							
6HV5	6	*32	2	1	9	6J11	6	26	6	5	9	*Must show short position 3-10						*Normally shows short position 3-7-8-10.							
*Must show short position 3-10.												*May show short position 5-6-8-9													
*May show short position 5-6-8-9.						6JA5	6	*32	10	2	9	6JD6						6JK6							
6HW8	6	32	6	6	2	*Normally shows short position 1-3-4-10						6JE6						6JK8							
						6JA8	6	25	6	7	2	*Normally shows short position 1-7.						31 6 7 2							
												6JE6B						6JL6							
												*Normally shows short position 1-7.													
6GN7-6JL6																									

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		6K8	6	35	1	5	3		6	75	6	3	2		
6JM6	6	26	4	5	9	*Normally shows short position 8.						6K11	6	35	6	1	9	6KN6	6	*28	10	5	9		
6JN6	6	27	4	1	9	**Normally shows short position 2.	6JU8A	6	*42	2	1	2		35	6	7	9								
6JN8	6	26	6	9	2								35	6	9	9									
		26	6	1	2			**42	9	7	2	6KA8	6	26	6	6	2	6KN8	6	86	6	1	2		
6JQ6	6	*32	8	8	2	*Normally shows short position 8							33	6	2	2		6	90	6	6	2	2		
*Normally shows short position 2-3.						**Normally shows short position 2	6JV8	6	25	6	7	2	6KD6	6	*25	10	5	9	6KR8	6	24	6	7	2	
		*55	6	6	2														6	26	6	2	2		
*Normally shows short position 2-3-7-8.							6JW8	6	29	6	2	2		6	30	6	2	2	6KR8A	6	24	6	7	2	
												6KD8	6	28	6	9	2			26	6	2	2		
6JR6	6	34	1	2	10		6JX8	6	26	6	2	2		6	26	6	2	2	6KS6	6	99	6	5	1	
6JS6	6	*29	10	5	9							6KE8		26	6	9	2		6	*27	6	7	2		
*Normally shows short position 1-3-4-10.							6JY8	6	30	6	7	2			26	6	9	2			*31	6	2	2	
												6KF8	6	38	6	7	2								
6JT6	6	34	1	2	10		6JZ6	6	30	6	2	2	6KG6	6	*26	1	8	10							
6JT6A	6	34	1	2	10	*Some tubes may show short position 1-3-4-10.													6	25	1	2	2		
6JT8	6	25	2	7	2		6JZ8	6	29	7	7	9							6	28	6	7	2		
		34	6	2	2							6KL8	6	30	6	2	2			28	6	2	2		
6JU6	6	*27	7	2	10								6	77	6	8	2		6	22	6	7	2		
*Normally shows short position 1-7.																			65	6	2	2			
												6KM6	6	*27	2	6	10			65	6	3	2		
							6K6	6	41	6	5	3							6	28	1	2	10		

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

Normal shorts refer to position of "C" switch

△Use TC-75 Adapter. ◆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	
6KV8	6	27	6	7	2	6LB6	6	*28	10	5	9	6LH6Δ	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			29	6	9	10	
6KW6◆	6	28	1	8	10							*Normally shows short position 3-4.						6LT8	6	26	8	9	2	
6KY8	6	30	6	2	10	6LB8	6	25	6	7	2									30	1	6	2	
		40	6	9	10			39	6	2	2	6LJ8	6	*95	3	2	2				30	1	8	2
6KY8A	6	30	6	2	10	6LC6Δ	6	87	6	5	3			**93	3	7	2	6LU6	6	30	6	1	1	
		40	6	9	10	6LC8	6	25	3	6	2			*For grid emission turn "C" switch to position 1.				6LU8	6	28	7	7	9	
6KZ8	6	26	6	2	2			32	7	2	2			**For grid emission turn "C" switch to position 9.						31	7	10	9	
		26	6	9	2	6LD6	6	*29	7	2	2							6LV6	6	*31	5	9	9	
6L5	6	53	6	5	3	*Normally shows short position 3-9.																		
6L6	6	37	1	5	3	6LD12	6	43	6	8	2	6LM8	6	28	6	2	2							
6L7	6	44	1	10	3			35	6	2	2													
6L10	6	32	6	4	3			35	6	1	2	6LN8	6	31	6	2	2	6LW6	6	*30	1	5	8	
6L12	6	32	6	2	2			35	6	6	2													
		32	6	7	2	6LE8	6	29	6	9	2	6LP12	6	33	6	3	2	*Normally shows short position 2-6.						
6L41	6	33	9	9	2													6LX6	6	*37	10	5	9	
6L43	6	*32	2	9	2																			
*Normally shows short position 3-8.						6LF6	6	*31	5	9	9													
						*May show short position 1-3-4-7-10.						6LQ6	6	*29	7	2	10							
						6LF8	6	42	6	2	2	*Normally shows short position 1-7.						6LX8	6	29	6	2	2	
								30	6	7	2	6LQ8	6	26	6	7	2							
																		6LY8	6	26	6	7	2	
						6LG6	6	*32	10	5	9													
						*May show short position 1-3-4-7-10.						6LR6	6	*32	10	5	9	6LZ6	6	*35	7	2	10	

6JL8-6LZ6

Δ Use TC-75 Adapter

Normal shorts refer to position of "C" switch.

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6JL8-6LZ6

△Use TC-75 Adapter

Normal shorts refer to position of "C" switch.

20

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						
		35	6	8	10	6MN8	6	33	8	8	9			64	6	8	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												
6MG8	6	33	6	2	2			30	6	9	2	6Q8	6	45	1	5	3	6R-K19	6	30	2	9	2
		33	6	9	2	6MU8	6	21	6	2	2	6Q11	6	35	6	1	9	6R-P15	6	38	2	1	2
6MH6	6	*31	5	9	9			31	6	9	2			35	6	7	9	6R-P22	6	*35	2	9	2
*May show short position 1-3-4-7-10						6MV8	6	30	6	7	2			35	6	9	9	*Normally shows short position 3-8.					
6M-HH3	6	27	6	5	1			30	6	2	2	6R3	6	30	2	9	2	6S2	6	*95	1	10	7
		27	6	6	1							6R4	6	35	6	1	2	*Normally shows short position 6-11.					

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	6T8A	6	43	6	8	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
								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	6T10	6	33	6	3	9	6W6	6	35	6	5	3
6SD7	6	35	6	4	3	6ST7	6	52	1	2	8			27	6	8	9	6W7	6	50	6	10	3
6SF5	6	41	1	3	8			72	1	4	8	6U6	6	36	6	5	3	6X4	6	44	6	1	1
6SF7	6	46	1	2	8			72	1	5	8	6U7	6	48	6	10	3			44	6	6	1
		69	1	5	8	6SU7	6	43	6	1	8	6U8	6	33	6	2	2	6X5	6	40	1	3	3
6SG7	6	34	5	4	3			43	6	4	8			33	6	9	2			40	1	5	3
6SH7	6	33	5	4	3	6SZ7		44	1	2	8	6U9	6	30	6	3	13	6X6	6	48	6	3	3
6SJ7	6	35	1	4	3			72	1	4	8			40	6	10	13			48	6	5	3
6SK7	6	40	1	4	3			72	1	5	8	6U10	6	39	6	7	9	6X8	6	30	6	7	2
						6T4	6	*33	2	6	1			25	6	9	9			32	6	2	2
6M11-6X9						*Normally shows short position 1-7.								39	6	1	9	6X9	6	32	6	3	13
												6V3	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	7K7	6	45	6	6	4
6Y10	6	29	4	3	9	7AU7	7	40	10	2	2			47	6	6	4			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			30	6	2	2			26	3	2	2
6Z31	6	44	6	1	1	7B6	6	40	4	3	4			30	6	7	2	7KZ6	7	26	3	2	2
		44	6	6	1			68	4	5	4			35	6	5	3			36	6	6	4
6ZY5	6	43	6	3	3			68	4	6	4			45	6	4	4	7M-P18	7	35	1	7	1
		43	6	5	3	7B7	6	45	6	6	4			45	6	5	4			42	6	4	4
7A4	6	41	6	6	4	7B8	6	42	6	4	4			29	6	2	2	7N7	6	42	6	4	4
7A5	6	34	6	6	4	7C4	6	53	6	4	4			29	2	6	2			42	6	5	4
7A6	6	48	6	3	4	7C5	6	38	6	6	4			36	6	6	4	7Q7	6	35	6	4	4
		48	6	6	4	7C6	6	50	4	3	4			30	9	9	2			35	6	6	4
								68	4	5	4			30	9	1	2	7R7	6	72	6	3	4
7A7	6	45	6	6	4			68	4	6	4			33	9	9	2			72	6	4	4
7A8	6	40	6	4	4	7C7	6	37	6	6	4			30	9	7	2	7S7	6	38	6	6	4
7AD7	6	35	6	6	4	7D10	6	28	6	2	2			35	6	6	4			52	6	4	4
7AF7	6	41	6	4	4	7DJ8	7	31	6	2	2			24	3	2	2	7V7	6	32	6	6	4
		41	6	5	4			31	6	7	2			25	1	6	2	7W7	6	31	4	6	4
7AG7	6	32	6	6	4													7X6	6	35	6	3	4
7AH7	6	32	6	6	4															35	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			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	8BQ7	8	32	6	2	2			47	6	7	2
8A8	9	31	6	2	2	8B8	8	33	6	3	2			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
		47	3	2	9			43	6	5	9	8BU11	8	28	6	8	9			33	7	8	2
		35	2	3	9			34	6	8	9			28	6	4	9	8CX8	8	33	6	7	2
8AC10	8	30	6	1	9			34	6	10	9			28	6	6	9			34	6	2	2
		30	6	7	9	8BA8	8	31	6	7	2			28	6	5	9	8CY5	8	35	2	1	1
		30	6	9	9			37	6	2	2			28	6	10	9	8CY7	8	31	2	3	2
8AL9	8	30	6	5	9	8BA11	8	29	6	4	9	8CG7	8	45	6	2	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	8CH8	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	8CL8	8	32	6	9	2	8DX8	8	25	6	8	2
								29	6	1	9			32	6	1	2			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			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			40	6	10	13
		82	6	2	2	8JL8	8	35	6	2	2			28	6	2	2	8X9	8	32	6	3	13
		82	6	3	2			82	6	8	2	8LC8	8	25	3	6	2			38	6	10	13
8FQ7	8	36	6	2	2	8JT8	8	25	2	7	2			32	7	2	2	9A8	9	31	6	2	2
		36	6	7	2			34	6	2	2	8LE8	8	29	6	9	2			34	6	9	2
8GJ7	8	24	3	2	2	8JU8A	8	*42	2	1	2	8LS6	8	30	3	2	2	9AH9	9	37	5	2	9
		26	3	9	2			**42	9	7	2	8LT8	8	26	8	9	2			30	5	6	9
8GM6	8	30	6	1	1	*Normally shows short position 8								30	1	6	2	9AK8	9	43	6	8	2
8GN8	8	33	6	7	2	**Normally shows short position 2						8MD8	8	35	6	6	10			35	6	2	2
		35	6	2	2	8JV8	8	25	6	7	2			35	6	8	10			35	6	1	2
8GU7	8	31	6	2	2			33	6	2	2			35	6	9	10	9AK10	9	30	6	1	9
		31	6	7	2	8K11	8	35	6	1	9	8M-P12	8	34	6	1	1			30	6	7	9
8GX7	8	26	3	2	2			35	6	7	9	8MU8	8	31	6	2	2			30	6	9	9
		26	3	9	2	8KA8	8	26	6	6	2			31	6	9	2	9AM10	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	9AQ8	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			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	10C8	10	32	6	8	2	
9BR7	9	32	10	2	2	9HS6	9	26	6	1	1			33	8	10	9			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	10D2	19	33	6	2	1	
		31	6	1	2			34	6	9	2	9R-AL1	9	52	2	7	2			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			9	27	6	7	2	9V9		33	6	9	2	10DX8	10	25	6	8	2
		37	6	1	2	9KV8	9	27	3	2	2			34	6	3	13			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	C	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
		34	6	2	2			35	6	2	2	*Normally shows short position 3-9.						11AR11	11	28	6	10	9
10EG7	10	32	6	1	8	10GV8	10	29	6	9	2	10LB8	10	25	6	7	2	11BM8	11	33	6	3	2
		45	6	4	8			29	6	2	2			39	6	2	2			39	6	1	2
10EM7	10	32	6	1	8	10HA6	10	*27	3	2	2	10LD12	10	43	6	8	2	11BN11	11	25	6	3	9
		45	6	4	8	*Normally shows short position 6-8.								35	6	2	2			25	6	7	9
10EW7	10	31	2	3	2	10HF8	10	24	6	7	2			35	6	1	2	11BQ11	11	26	6	5	9
		45	2	7	2			25	6	2	2			35	6	6	2			26	6	10	9
10FD7	10	24	2	3	2	10JA5	10	*32	10	2	9	10LE8	10	29	6	9	2	11BT11	11	27	7	1	9
		38	2	7	2	*Normally shows short position						10LW8	10	33	6	2	2			30	9	5	9
						1-3-4-10								27	6	7	2			26	9	3	9
10FR7	10	25	2	3	2	10JA8	10	25	6	7	2	10LY8	10	26	6	7	2	11C5	11	38	2	5	1
		35	2	7	2			99	6	3	2			38	6	2	2	11CA11	11	35	9	3	9
10GF7	10	28	6	2	10	10JT8	10	25	2	7	2	10L78	10	34	6	2	2			33	9	6	9
		43	6	9	10			34	6	2	2			29	6	7	2			33	9	8	9
10GF7A	10	28	6	2	10																		
		43	6	9	10	10JY8	11	26	6	7	2	10T10	10	33	6	3	9	11CF11	11	39	7	9	9
10GH8	10	31	6	2	2			26	6	2	2			27	6	8	9			33	6	1	9
		31	6	9	2	10KR8	10	24	6	7	2	10Z10	10	30	6	1	9			33	6	5	9
10GK6	10	33	3	2	2			26	6	2	2			95	6	6	9	11CH11	11	30	7	1	9
10GM8	10	33	6	2	2	10KU8	10	22	6	7	2	11AF9	11	30	8	1	13			35	9	5	9
								65	6	2	2									30	9	3	9
		33	6	7	2			65	6	3	2			30	2	8	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
11CY7	11	31	2	3	2	11Y9	11	30	6	1	13	12AF6	12	37	6	1	1	12AT6	12	39	6	1	1
		45	2	7	2			30	6	8	13	12AF11	12	28	6	8	9			72	6	5	1
11DS5	11	33	1	7	1	12A4	12	32	3	7	7			28	6	5	9	12AT7	12	72	6	6	1
11FY7	11	25	9	3	9	12A6	12	45	6	5	3	12AG6	12	34	6	10	9			32	10	2	2
		43	9	10	9	12A8	12	45	6	5	3			35	6	1	1			32	10	7	2
11HM7	10	*25	7	2	2	12AB5	12	*42	3	6	2	12AH7	12	48	6	1	8	12AU5	12	40	6	1	3
*Normally shows short position 3-9.						*Normally shows short position 1-8.							48	6	5	8	12AU6	12	33	6	1	1	
11JE8	11	25	6	7	2	12AC6	12	42	6	1	1	12AJ6	12	40	6	1	1	12AU7	12	40	10	2	2
		26	6	2	2	12AC10	12	30	6	1	9			66	6	5	1			40	10	7	2
11KV8	11	27	6	7	2			30	6	7	9			66	6	6	1	12AU8	12	31	6	7	2
		34	6	2	2			30	6	9	9	12AJ7	12	32	6	2	2			32	6	2	2
11LQ8	11	26	6	7	2	12AD6	12	35	6	1	1			35	6	9	2	12AV5	12	33	6	1	3
		26	6	2	2	12AD7	12	40	10	2	2	12AL5	12	33	6	2	1	12AV6	12	40	6	1	1
11LT8	11	26	8	9	2			40	10	7	2	12AL8	12	33	6	7	1			78	6	5	1
		30	1	6	2	12AE6	12	52	6	1	1			34	6	3	2			78	6	6	1
		30	1	8	2			66	6	5	1	12AL11	12	52	6	8	2	12AV7	12	32	10	2	2
11LY6	11	30	3	2	2			66	6	6	1			31	6	3	9			32	10	7	2
11MS8	11	29	6	9	2	12AE7	12	32	10	2	2	12AQ5	12	27	6	8	9	12AW6	12	38	6	1	1
		29	6	2	2	12AE10	12	32	10	7	2	12AS5	12	35	1	7	1	12AX3	12	34	4	10	9
11R3	11	30	2	9	2			30	6	8	9			36	2	5	1	12AX4	12	35	6	5	8
10EB8-12AX7						12AF3	12	31	6	3	9							12AX7	12	42	10	2	2
								32	2	9	2									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	12BZ6	12	31	6	1	1	*It may show short pin 1-11.					
		67	6	5	1	12BR7	12	32	10	2	2	12BZ7	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	*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			62	6	6	2
		65	6	9	2			30	6	7	2	12E13	6	35	6	5	3	12F31	12	33	2	1	1
		65	6	1	2			77	6	7	2	12LA6	12	32	6	1	1	12FK6	12	40	6	1	1
12DM4	12	30	6	5	8			77	6	9	2	12EC8	12	30	6	9	2			65	6	5	1
12DQ4	12	32	6	5	8	12DV7	12	49	10	7	2			32	6	1	2			65	6	6	1
12DQ6	12	34	6	5	3			78	10	2	2	12ED5	12	32	2	5	1	12FM6	12	35	6	1	1
12DQ6B	12	30	6	5	3	12DV8	12	78	10	3	2	12EG6	12	36	6	1	1			68	6	5	1
								35	6	3	2	12EH5	12	30	2	5	1			68	6	6	1
								58	6	9	2	12EK6	12	31	6	1	1	12FQ7	12	36	6	2	2
								58	6	1	2									36	6	7	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
		39	6	7	2	12GC5	12	*33	3	6	2	12HB25◆	12	*33	2	1	10	*Normally shows short position 4-10					
12FR8	12	*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	12GE5	12	*27	3	1	9	12HG7	12	*27	7	2	2	12JN8	12	26	6	9	2
*Normally shows short position 11.						12GJ5	12	*32	7	2	10	*Normally shows short position 3-9						26 6 1 2					
12FS5	12	27	2	1	1	12G-K17	12	35	6	5	8	12HL5	12	30	2	7	2	12JQ6	12	*35	8	8	2
12FT6	12	52	6	1	1	12GN7	12	*24	7	2	2	12HL7	12	*28	7	2	2	*58 8 6 2					
		66	6	5	1	*Normally shows short position 1-7						*Normally shows short position 3-9.						*May show short position 2-3.					
		66	6	6	1	12GT5	12	*35	7	2	10	12HU8	12	29	6	2	2	12JS6	12	*29	10	5	9
12FV7	12	35	10	2	2	12GT5A	12	*35	7	2	10		29	6	6	2	*Normally shows short position 1-3-4-10.						
		35	10	7	2	*Normally shows short position 1-7						12J5	12	42	6	5	3	12JT6	12	34	1	2	10
12FX5	12	32	2	5	1	12GV5	12	*26	10	5	9	12J7	12	50	6	10	3	12JT6A	12	34	1	2	10
12FX8	12	32	6	2	2	*Normally shows short position 1-7						12J8	12	30	6	1	2	12JZ8	12	29	7	7	9
		28	6	6	2	*Normally shows short position 1-7								35	6	8	2						
12FX8A	12	30	6	2	2	12H6	12	48	6	3	3			35	6	9	2	12K5	12	35	5	6	1
		25	6	6	2	*Normally shows short position 1-3-4-7-10.						12JB6	12	*29	7	2	10	12K7	12	52	6	10	3
12G4	12	41	1	6	1	12GW6	12	30	6	5	3	12JB6A	12	*29	7	2	10	12K8	12	35	6	5	3
12G11	12	36	6	3	9							*Normally shows short position 1-7.						12KA8	12	26	6	6	2
		30	6	8	9							*Normally shows short position 1-7.								33	6	2	2
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	12SS7	12	46	6	4	3		44	6	4	8	
		35	6	8	10	12SA7	12	37	6	5	3	12SW7	12	52	6	2	8		44	6	4	8	
		35	6	9	10	12SC7	12	48	6	3	8			70	6	4	8	13DE7	12	33	2	3	2
12MX8	12	30	6	2	10			48	6	4	8			70	6	5	8		44	2	7	2	
		40	6	9	10	12SF5	12	41	6	3	8	12SX7	12	44	6	1	8	13DF7	13	40	10	2	2
12NK7GT	12	44	6	1	8	12SF7	12	46	6	2	8			44	6	4	8		40	10	7	2	
		44	6	4	8			69	6	5	8	12SY7	12	39	6	5	3	13DR7	12	32	2	3	2
12Q7	12	40	6	10	3	12SG7	12	34	5	4	3	12T10	12	33	6	3	9		41	2	7	2	
		63	6	4	3	12SH7	12	33	5	4	3			27	6	8	9	13EM7	12	32	6	1	8
		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	
12R-LL3	12	32	10	2	2			43	6	4	8	12W6	12	35	6	5	3	13FG7	13	27	3	9	2
		32	10	7	2	12SN7	12	44	6	1	8	12X4	12	44	6	1	1		27	3	1	2	
12R-LL5	12	36	6	2	2			44	6	4	8			44	6	6	1	13FM7	13	25	3	8	9
		36	6	7	2	12SQ7	12	42	6	2	8	13CM5	12	*25	9	5	3		36	3	10	9	
								82	6	4	8	*Normally shows short position 1-4.						13FR7	12	25	2	3	2
								82	6	5	8									35	2	7	2
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	C	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.																							
13GF7	13	28	6	2	10			68	4	5	4	14GT8	14	45	6	5	4	14X7	12	43	6	3	4
		43	6	9	10	14B8	12	42	6	4	4			52	6	8	2			36	6	5	4
13GF7A	13	28	6	2	10	14BF11	14	25	6	3	9			35	6	2	2			35	6	6	4
		43	6	9	10			25	6	8	9	14GW8	14	26	6	8	2	14Y4	12	45	6	3	4
13J10	13	99	6	6	9	14BL11	14	29	6	1	9			30	6	1	2			45	6	6	4
		28	6	1	9			29	6	3	9	14H7	12	35	6	6	4	15A6	15	30	6	2	2
13JT8	13	25	2	7	2			29	6	5	9	14J7	12	35	6	6	4	15A8	15	36	6	4	3
		34	6	2	2	14BQ11	14	26	6	5	9			50	6	4	4	15AF11	15	31	6	1	9
13JZ8	13	29	7	7	9			26	6	10	9	14JG8	14	45	6	8	2			31	6	6	9
		43	7	10	9	14BR11	14	29	6	2	9			32	6	2	2	15BD11	15	26	6	1	9
13SJ7	12	35	6	4	3			32	6	8	9			32	6	6	2			31	6	3	9
13V10	13	38	6	3	9	14C5	12	38	6	6	4	14N7	12	42	6	4	4			31	6	3	9
		32	6	8	9	14C7	12	37	6	6	4			42	6	5	4	15BD11A	15	26	6	1	9
13Z10	13	30	6	1	9	14E6	12	40	4	3	4	14Q7	12	35	6	4	4			31	6	6	9
		95	6	6	9			69	4	5	4	14R7	12	35	6	6	4			31	6	3	9
14A4	12	41	6	6	4			69	4	6	4			72	6	3	4	15CW5	15	*30	1	2	2
14A5	12	34	6	6	4	14E7	12	47	6	6	4	14S7	12	38	6	6	4	*May show short position 6-7-8-9.					
14A7	12	45	6	6	4			68	6	3	4	14V7	12	52	6	4	4	15DQ8	15	25	6	8	2
14AF7	12	41	6	4	4			68	6	4	4			32	6	6	4			25	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
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			34	6	9	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			95	6	6	9
		45	2	7	2	15MX8	15	30	6	2	10							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							17B-B14♦	17	*33	2	1	10
*Normally shows short position 1-3-4-7-10.								30	7	8	9	16KA6	16	*26	10	5	9			*Normally shows short position 3-6-7-8.			
15HA6	15	*27	3	2	2	16AQ3*	16	30	7	3	7			*May show short position 1-3-4-7-10.				17BD11	17	26	6	1	9
*Normally shows short position 6-8.												16LD6	16	*29	7	2	2			31	6	3	9
15HB6	15	*25	3	2	2	16AQ3	16	30	3	7	7			*Normally shows short position 3-9.									
*Normally shows short position 6-8.						16BQ11	16	26	6	5	9	16LU8	16	28	7	7	9			31	6	6	9
15KY8	15	30	6	2	10			26	6	10	9			31	7	10	9	17BE3	17	26	4	10	9
		40	6	9	10	16BX11	16	32	6	2	9	16MY8	16	28	7	7	9	17BF11	17	25	6	3	9
15KY8A	15	30	6	2	10			31	6	5	9			31	7	10	9			25	6	8	9
		40	6	9	10	16C-B28	16	*30	5	9	9	16Y9	16	30	6	1	13	17BF11A	17	25	6	3	9
														30	6	8	13			25	6	8	9
						*Normally shows short position 1-3-4-10.												17BH3	17	30	8	2	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	31	6	7	2	
17BQ6	17	35	6	5	3	17DQ6	17	34	6	5	3	*Normally shows short position 1-3-4-7-10.					17JN6	17	26	4	5	9		
17BR3	17	30	2	9	2	17DQ6B	17	30	6	5	3	17H3	17	36	3	8	2	17JQ6	17	27	4	1	9	
17BS3	17	27	8	2	10	17DW4A	17	29	8	2	10	17H-825◆	17	*33	2	1	10	17JR6	17	*35	8	8	2	
17BW3	17	28	4	10	9	17EW8	17	32	6	2	2	*Normally shows short position 3-6-7-8.					17JS6	17	58	8	6	2		
17BZ3	17	28	4	10	9	17FY7	17	32	6	7	2	17HC8	17	*36	6	3	2	17JT6	17	34	1	2	10	
17C5	17	*34	2	5	1	17GE5	17	25	9	3	9	17HG8	17	38	6	1	2	17JT6A	17	*29	10	5	9	
*Normally shows short position 1-11.						17GJ5	17	42	9	10	9	17JB6	17	38	6	1	2	*Normally shows short position						
17C8	17	33	6	2	2	*Normally shows short position 4-10.					17JB6A	17	24	3	2	2	1-3-4-10.							
		65	6	7	2	17GJ5A	17	*32	7	2	10	17JF6	17	25	1	6	2	17KV6	17	34	1	2	10	
17C9	17	28	7	1	2	*Normally shows short position 1-7.					17JG6	17	*29	7	2	10	17KW6◆	17	34	1	2	10		
17CA5	17	28	11	7	2	17GT5	17	*32	7	2	10	*Normally shows short position 1-7.					17L6	17	29	7	7	9		
17CK3	17	32	2	5	1	17GT5A	17	*35	7	2	10	17JG6A	17	*29	7	2	10	17LD8	17	40	7	10	9	
17CL3	17	25	8	2	10	17GV5	17	*35	7	2	10	*Normally shows short position 1-7.					17R5	17	46	6	9	10		
17CQ4	17	27	2	7	10	*Normally shows short position 1-7.					*Normally shows short position 1-7.													
17CQ4	17	32	6	5	8	17GT5A	17	*35	7	2	10	*Normally shows short position 1-7.												
17CT3	17	32	2	6	2	17GV5	17	*26	10	5	9	*Normally shows short position 1-7.												
17CU5	17	32	2	5	1	*Normally shows short position 1-3-4-7-10.					*Normally shows short position 1-7.													
17D4	17	33	6	5	8						17JG6					17	28	1	2	10				
17DE4	17	34	6	5	8						17JG6A					17	28	1	2	10				

◆Use TC-80 Adapter

◆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
17R-HH2	17	32	6	2	2	18FY6	18	38	6	1	1	19AU4	19	33	1	5	8	19EZ8	19	33	6	2	2
		32	6	7	2			74	6	5	1	19BG6	19	36	6	5	3			33	6	7	2
17R-K19	17	30	2	9	2			74	6	6	1	19BX6	19	33	1	2	2			33	6	9	2
17W6	17	33	6	5	3	18GB5◆	18	*26	1	2	10	19BY7	19	33	1	2	2	19FX5	19	32	2	5	1
17X10	17	98	6	6	9	*May show short position 3-6-7-8.						19C8	19	43	6	8	2	19GQ7	19	31	3	2	2
		28	6	1	9	18GD6	18	34	6	1	1			37	6	1	2			31	3	6	2
17Y9	17	30	6	1	13	18GE6	18	37	6	1	1			37	6	6	2			31	3	8	2
		30	6	8	13	18GV5	18	*26	10	5	9			37	6	2	2	19GY5	19	*25	5	9	9
17Z3*	17	30	2	9	2	*Normally shows short position 1-3-4-7-10.						19CL8-A	19	32	6	9	2	*Normally shows short position 1-3-4-7-10.					
*If no test—use alternate settings.								32	6	1	2			32	6	1	2						
	17	30	3	9	2	18GV8	18	29	6	9	2	19CG3	19	26	4	10	9	19HR6	19	24	6	1	1
18A5	18	34	6	1	3			29	6	2	2	19D8	19	32	6	2	2	19HS6	19	26	6	1	1
18AJ10	18	32	4	3	9	18HB8	18	36	6	9	2			35	6	9	2	19HV8	19	35	6	1	2
		33	4	8	9			33	6	1	2	19DE7	19	33	2	3	2			28	6	9	2
18AK5	18	33	2	1	1	18J6	18	34	6	5	1			44	2	7	2	19J6	19	34	6	5	1
								34	6	6	1	19DK3	19	30	2	7	10			34	6	6	1
18AQ5	18	35	1	7	1	18R-AL1	18	52	2	7	2	19DQ3	19	30	4	10	9	19JC6	19	26	3	2	2
18DZ8	18	30	6	3	2			35	2	3	2	19EA8	19	30	6	2	2	19JN8	19	26	6	9	2
		37	6	1	2	19A3	19	30	7	5	1			31	6	9	2			26	6	1	2
18FW6	18	33	6	1	1	19AJ8	19	85	6	1	2	19EW7	19	31	2	3	2	19KF6◆	19	33	1	7	10
18FX6	18	34	6	1	1			38	6	9	2			45	2	7	2	19KG8	19	24	6	9	2
17BH3A—19KG8						19AQ5	19	35	1	7	1									24	6	2	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											
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	71	6	8	2	*Normally shows short position 1-3-4-7-10.					*If no test, use alternate settings.																	
19T8	19	25	6	8	2	20LF6	20	31	2	3	2	21JV6	21	26	4	1	9	22AL3	22	27	3	7	7											
		43	6	8	2			45	2	7	2	21JZ6	21	*27	10	5	9	22BH3	22	30	8	2	10											
		35	6	2	2			*31	5	9	9	22BH3A	22	30	8	2	10																	
19U3	19	35	6	1	2	*May show short position 1-3-4-7-10.					21KA6	21	*26	10	5	9	22BW3	22	28	4	10	9												
		35	6	6	2	21A6	19	*32	8	2													2	22DE4	22	34	6	5	8					
		29	6	9	2	*Normally shows short position 1-6-9.																	21KQ6	21	*25	1	8	10	22JG6	22	28	1	2	10
19V8	19	40	6	6	2	21EX6	22	33	6	5	3	*May show short position 3-4-7-11.					21LG6	21	*32	10	5	9	22JG6A	22	28	1	2	10						
		32	6	2	2	21GY5	21	*25	5	9	9	*Normally shows short position 2-3-6-7.																	22JF6	22	*26	2	6	10
		61	6	9	2	*Normally shows short position 1-3-4-7-10.					*Normally shows short position 1-3-4-7-10.					*Normally shows short position 1-7.																		
19W3	19	29	6	9	2	21HB5	21	*25	1	3	9	*May show short position 1-3-4-7-10.					22JUE	22	*27	7	2	10												
19X3	19	29	6	9	2	*Normally shows short position 4-10.					21LR8	21	27	6	2	10	22JR6	22	34	1	2	10												
19X8	19	30	6	7	2	21HD5	21	*27	3	1													9	*Normally shows short position 1-7.					22KM6	22	*27	2	6	10
19Y3	19	32	6	2	2	*Normally shows short position 4-5-9-10.																	21LU8	21	28	7	7	9	22KV6	22	28	1	2	10
		20AQ3*	20	27	7	3	7	21HJ5	21	*26	3	1	9	*Normally shows short position 1-3-4-7-10.																				
		20AQ3	20	27	3	7	7	*Normally shows short position 4-5-9-10.					21MY8	21	28	7	7	9	23JS6	23	*29	10												
20D1	9	33	6	2	1																													
		33	6	7	1																													

◆Use TC-80 Adapter

◆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	6
23Z9	23	30	7	10	9	25B6	25	40	6	5	3	25DT5	25	*38	3	6	2	25W4	25	32	6	5	8
		39	7	3	9	25B-B14◆	25	*33	2	1	10	*Normally shows short position 7-11.							44	6	4	8	
		28	7	8	9	*Normally shows short position 3-6-7-8.						25E5	25	27	6	5	3	25W6	25	35	6	5	3
24AX4	24	35	6	5	8	25BK5	25	37	3	7	2	25EC6	25	32	6	5	3	25Z6	25	34	6	3	3
24BF11	24	25	6	3	9	25BQ6	25	35	6	5	3	25EH5	25	*30	2	5	1			34	6	5	3
		25	6	8	9	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			32	6	7	2
24JZ8	24	29	7	7	9	25CA5	25	32	2	5	1	25GB6	25	33	6	5	3			39	6	1	1
		40	7	10	9	25CD6	25	33	6	5	3	25GE5	25	*27	3	1	9			57	6	5	1
24LQ6	24	*29	7	2	10	25CG3	25	26	4	10	9	*Normally shows short position 4-10.					26C6	25	50	6	1	1	
*Normally shows short position 1-7.						25CK3	25	30	8	2	10	*Normally shows short position 2-3.							68	6	5	1	
24LZ6	24	*35	7	2	10	25CM3	25	30	2	7	10	25JQ6	25	*35	8	8	2			68	6	6	1
*Normally shows short position 1-7.						25CT3	25	32	2	6	2			58	8	6	2	26D6	25	36	6	1	1
25A6	25	*50	6	5	3	25CU6	25	35	6	5	3	*May show short position 2-3.					26DQ5	26	*35	5	1	3	
*Normally shows short position 8-11.						25D4	25	33	6	5	8	25JZ8	25	29	7	7	9	*Normally shows short pos. 3-4-6-8.					
						25DK3	25	30	2	7	10			40	7	10	9	26HU5	26	*28	1	5	8
19MR9-26HU5						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		
26JG6	26	28	1	2	10	28HA6	28	*27	3	2	2	30CW5	30	*30	1	2	2	30M-P23	30	30	5	2	1		
26LW6	26	*30	1	5	8	*Normally shows short position 6-8.	28HD5	28	*27	3	1	9	*May show short position 6-7-8-9.	30HD5	30	*27	3	1	9	30M-P27	30	30	5	2	1
*Normally shows short position 2-6.						*Normally shows short position 4-5-9-10.						*Normally shows short position 4-5-9-10.							30P16	16	71	2	9	2	
26LX6	26	*37	10	5	9														30PL12	16	33	6	3	2	
*Normally shows short position 1-3-4-7-10-11.																									
26Z5	26	45	10	1	2	29GK6	29	33	3	2	2	30HJ5	30	*26	3	1	9		31AL10	31	38	7	1	9	
27GB5	27	45	10	6	2	29KQ6	29	*25	1	8	10	*Normally shows short position 4-5-9-10.													
*May show short position 3-6-7-8.						*Normally shows short position 2-3-6-7.						30JZ6	30	*27	10	5	9								
27KG6	26	1	8	10		29LE6	29	*30	1	8	10	*Some tubes may show short position 1-3-4-10.							31JS6A	31	*29	10	5	9	
*Normally shows short position 2-3-6-7.						*Normally shows short position 2-3-6-7.						30KD6	30	*25	10	5	9								
27LF6	27	*31	5	9	9	30A5	29	27	5	2	1	*Normally shows short position 1-3-4-10.							31LQ6	31	*29	7	2	10	
May show short position						30AE3	30	27	7	3	7	*Normally shows short position 1-3-4-10.													
						*If no test, use alternate settings.						30KG6	30	*26	1	8	10								
						30AE3	30	27	3	7	7								31LR8	31	27	6	2	10	
						30AG11	30	28	6	8	9	*Normally shows short position 2-3-6-7.													
28D7	30	40	6	2	4			28	6	5	9														
								34	6	10	9														
28EC4	28	40	6	7	4			34	6	3	9														
28GB5	28	*26	1	2	10			31	6	2	2														
*May show short position 3-6-7-8.						30C1	9	31	6	2	2														
								34	6	9	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
32HQ7	32	34	8	2	9	34DK3	34	30	2	7	10	36AM3	35	35	7	5	1	45Z3	38	32	7	2	6
		34	8	9	9	34GD5	35	36	2	5	1	36KD6	36	*25	10	5	9	45Z5	50	31	3	5	3
33GT7	33	*58	8	10	9	34R3	34	30	2	9	2	*Normally shows short position 1-3-4-10.						50A5	50	35	6	6	4
		*28	8	2	9	35A5	35	34	6	6	4	38A3	38	35	1	6	7	50B5	50	36	1	7	1
*Normally shows short position 9-1.						35B5	35	38	1	7	1	50BK5						50	37	3	7	2	
33GY7	33	*58	8	1	9	35C5	35	38	2	5	1	38HE7	38	25	11	9	9	50BM8	50	33	6	3	2
		*28	8	2	9	35CD6	35	33	6	5	3		27	11	2	9			39	6	1	2	2
*Normally shows short position 9-10						35DZ8	35	30	6	3	2	38HK7	38	26	11	9	9	50C5	50	35	2	5	1
33GY7A	33	*58	8	1	9		37	6	1	2			26	11	2	9	50C6	50	45	6	5	3	
		*28	8	2	9	35EH5	35	30	2	5	1	40FR5	38	32	2	5	1	50CA5	50	32	2	5	1
*Normally shows short position 9-10.						35GL6	35	39	7	2	1	40KD6	40	*25	10	5	9	50GD6	50	33	6	5	3
33HE7	33	25	11	9	9	35HB8	35	36	6	9	2	*Normally shows short position 1-3-4-10.						50DC4	50	33	7	5	1
		27	11	2	9		33	6	1	2		40KG6	40	*26	1	8	10	50E5	50	27	6	5	3
33JR6	33	34	1	2	10	35L6	35	36	6	5	3	*Normally shows short position 2-3-6-7.						50EH5	50	30	2	5	1
33JV6	33	26	4	1	9	35LR6	35	*32	10	5	9							50FA5	50	35	2	5	1
34CD3	34	*27	4	10	9	*May show short position 1-3-4-7-10.						40Z5	50	31	3	5	3	50FE5	50	33	6	5	3
*Some tubes may show short position 5-6-8-9.						35W4	35	33	7	5	1	42EC4	42	26	2	5	8	50FK5	50	35	2	5	1
34CE3	34	27	4	10	9	35Y4	35	31	4	2	4	42KN6	21	*28	10	5	9	50FY8	50	30	6	3	2
34CM3	34	30	2	7	10	35Z3	35	31	6	2	4	*Normally shows short position 1-3-4-7-10-11.							39	6	1	2	2
26JG6-50GY7						35Z4	35	33	6	5	3	45B5	50	33	1	2	2	*Normally shows short position 9-10.					
						35Z5	35	33	3	5	3												

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
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.						*May show short position 8-11.						5679	6	48	6	3	4
50Y6	50	35	6	6	4	403B	6	33	2	1	1	1622	6	37	6	5	3	5686	6	*33	7	2	2
		35	6	3	3	407A	21	30	6	3	2	1626	12	53	6	5	3						
50Y7	50	35	7	3	3		30	6	7	2	2	1631	12	37	6	5	3	*Normally shows short position 1-3-8.					
53HK7	50	35	7	5	3	408A	19	94	8	6	1	1632	12	34	6	5	3	5687	12	37	9	2	2
		26	11	9	9	502A	6	26	6	5	3	1634	12	48	6	3	8						
		26	11	2	9	884	6	36	6	5	3		48	6	4	8							
53KU	5	*30	6	4	3	1203	6	53	6	4	4	1665	6	32	5	1	1	5691	6	43	6	1	8
		*30	6	6	3	1223	6	50	6	10	3	1667	6	32	5	1	1						
Normally shows short position 8-11.						1232	6	36	6	6	4	1723	17	30	2	9	2	5692	6	44	6	1	8
58HE7	50	25	11	9	9	1273	6	37	6	6	4	*If no test use alternate settings below.						5693	6	35	6	4	3
60EH5	50	27	11	2	9	1274	6	45	6	3	4	17	30	3	9	2	5696	6	34	5	6	1	
		30	2	5	1		45	6	6	4	4	1852	6	33	6	4	3	5725	6	35	6	1	1
60FX5	50	32	2	5	1	1280	12	37	6	6	4	1853	6	35	6	4	3	5726	6	33	6	2	1
60HL5	60	30	2	7	2	1294	2	60	6	4	4	2050	6	34	6	5	3	5727	6	33	6	7	1
64SPT	6	33	1	2	2	1611	6	54	6	5	3	5591	6	33	2	1	1						
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	
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			32	6	6	1			33	6	7	1			*53	6	6	3	
5751	12	42	10	2	2	5931	5	*42	6	4	3	6060	12	32	10	2	2	*Normally shows short position 8-11.						
		42	10	7	2			*42	6	6	3			32	10	7	2	6096	6	34	2	1	1	
5755	15	51	10	3	2	*Normally shows short position 8-11.						6062	6	33	9	9	2	6097	6	33	6	2	1	
		51	10	6	2	5932	6	37	6	5	3	6066	6	39	6	1	1			6	33	6	7	1
5763	6	33	9	9	2	5961	6	37	6	5	3			64	6	5	1	6100	6	41	1	6	1	
5814-A	12	40	10	2	2	5963	12	40	10	2	2			64	6	6	1	6101	6	34	6	5	1	
		40	10	7	2			40	10	7	2	6067	12	40	10	2	2			34	6	6	1	
5823	1	*85	5	4	6	5964	6	35	6	5	1			40	10	7	2	6113	6	43	6	1	8	
*Ignore short lamp indication.								35	6	6	1	6069	6	33	2	1	1			43	6	4	8	
*Normally shows grid emission.						5965	12	32	10	2	2	6072	12	44	10	2	2	6134	6	33	6	4	3	
5824	25	40	6	5	3			32	10	7	2			44	10	7	2	6135	6	41	1	6	1	
5845	4	*90	8	1	1	5992	6	41	6	5	3	6080	6	35	6	1	8	6136	6	33	6	1	1	
*Tube good if it reads 20 or more						6005	6	35	1	7	1			35	6	4	8	6137	6	40	6	4	3	
5871	6	41	6	5	3	6006	6	34	5	4	3	6082	25	35	6	1	8	6146	6	*38	1	5	3	
5879	4	55	5	1	2	6028	19	33	2	1	1			35	6	4	8	*Normally shows short position 4-6.						
5881	6	37	6	5	3	6042	6	44	6	1	8	6084	6	39	8	9	2	6147	6	37	6	5	3	
5915	6	42	6	1	1			44	6	4	8	6085	12	42	10	2	2	6159	25	*38	1	5	3	
						6046	25	34	6	5	3			42	10	7	2	*Normally shows short position 4-6.						
						6057	12	42	10	2	2							6180	6	44	6	1	8	
								42	10	7	2									44	6	4	8	

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
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	6293	6	*40	1	5	3	*Normally shows short position 3-8.						6919	6	32	6	4	3
6189	12	40	10	2	2	*Normally shows short position 4-6.						6678	6	33	6	2	2	6922	6	35	6	2	1
6197	6	40	10	7	2	6350	12	40	10	3	2	6679	12	32	10	2	2	6968	6	35	6	7	1
*Normally shows short position 3-8.						6360	12	35	10	1	2	6680	12	32	10	7	2	6973	6	28	6	2	2
6198	12	40	10	2	2	6417	12	35	10	3	2	6681	12	40	10	2	2	7000	12	28	6	7	2
6201	12	40	10	7	2	6463	12	33	9	9	2	6683	12	40	10	7	2	7036	12	35	10	1	2
6202	6	32	10	7	2	6485	6	29	10	8	2	6687	12	42	10	2	2	7044	12	35	10	3	2
6203	6	44	6	6	1	6520	6	35	6	1	1	6688	12	42	10	7	2	7054	12	33	2	1	1
6211	12	41	6	9	2	6550	6	35	6	4	8	6689	6	26	1	2	2	*Normally shows short position 1-8.					
6216	6	41	6	1	2	6660	6	33	2	1	1	6829	12	32	10	2	2	7075	12	50	6	10	3
6218	6	34	10	7	2	6661	6	33	6	1	1	6883	12	32	10	7	2	*Normally shows short position 1-4.					
6227	6	*29	3	2	2	6662	6	34	6	1	1	*Normally shows short position 4-6.						7083	12	36	5	6	3
6664	6	72	6	2	2	6663	6	33	6	2	1	6887	6	27	3	2	2	7088	6	39	6	1	1
6669	6	29	1	2	2	6664	6	30	6	6	1	6888	6	25	6	2	2	7094	12	34	9	2	2
						6669	6	35	1	7	1	6889	12	*38	1	5	3	7095	12	34	7	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
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	7	1	*Normally shows short position 6-9.						*Normally shows short position 1-9.						7722	6	22	1	2	2
7057	12	33	6	1	1	7199	6	30	6	7	2	7581	6	37	6	5	3	7724	14	33	6	9	2
7058	12	32	6	2	2	7233	6	32	6	9	2	7586	6	37	2	4	5	7728	12	52	6	8	2
7059	12	32	6	7	2	*Normally shows short position 1-3-6-9.						7587	6	*67	6	2	5	7729	12	35	6	2	2
7060	12	42	10	2	2	7247	12	43	10	2	2	*For grid emission turn C switch to position 4.						7730	12	35	6	6	2
7061	12	42	10	7	2	7258	12	43	10	7	2	7591	6	34	4	6	3	7731	12	32	10	7	2
*Normally shows short position 1-8.						7308	6	32	6	8	2	7607	6	*34	1	5	3	7732	12	42	10	2	2
7062	12	33	6	2	2	7320	6	32	6	2	2	*Normally shows short position 4-6.						7733	12	42	10	7	2
7105	12	28	6	8	2	7355	6	24	6	2	2	7643	6	25	6	2	2	7738	6	40	10	7	2
*Normally shows short position 1-8.						7360	6	24	6	7	2	7687	6	25	6	9	2	7739	6	40	10	7	2
7119	12	35	6	1	8	7370	40	32	6	2	2	7693	6	35	6	2	2	7741	6	33	6	2	2
7167	12	28	9	2	2	7408	6	33	1	2	2	7695	6	39	6	9	2	7742	6	33	6	1	1
						7543	6	37	6	6	3	7701	12	31	6	1	1	7743	12	33	6	1	1
						7551	15	34	10	2	2	*Normally shows short position 3-7-8-9.						7744	12	*34	7	2	2
						*Normally shows short position 3-8.						7716	12	33	6	2	2	7745	6	30	4	5	3
													30	6	7	2		7746	6	34	6	6	2

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			*51	6	6	3
*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	8156	13	*32	9	10	9	A863	6	50	6	10	3	B36	12	44	6	1	8
*For grid emission turn C switch to position 4.						8233	6	*25	7	8	10	A1834	6	35	6	1	8	B65	6	44	6	4	8
7898	14	28	10	2	2	*Normally shows short position 7-9.						AR18	6	40	6	10	3						
7984	12	*70	8	1	9	8278	6	*31	3	7	10	ARDD3	6	63	6	5	3	B152	12	32	10	2	2
						*Normally shows short position 1-2-6-8.																	
*Normally shows short position 2-3-4-5-6-8-9.						8327	6	25	1	2	2	ARH1	6	48	6	5	3	B309	12	32	10	2	2
8032	12.6	*40	1	5	3	8417	6	30	1	5	3												
*Normally shows short position 4-6.						8425	6	36	6	1	1	ARP15	6	52	6	10	3	B329	12	40	10	2	2
8056	6	*80	6	2	5	8552	12	*40	1	5	3	ARP16	6	50	6	10	3						
*For grid emission turn C switch to position 4.						*Normally shows short position 4-6.						ARP17	6	54	6	5	3	B339	12	40	10	2	2
8102	12	28	6	9	2	8458	12	35	10	1	10	ARP32	6	41	6	5	3						
																	ARP33	6	41	6	5	3	
						8908	6	*29	1	5	8	ARTH-1	6	35	6	5	3	B719	6	32	6	2	2
						*Normally shows short position 2-6.																	

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	
BPM04	6	35	1	7	1	CV455	12	32	10	2	2	CV562	35	36	6	5	3	CV588	6	63	6	4	3	
CV131	6	35	6	1	1		32	10	7	2	CV565	35	31	6	2	4	63			6	5	3		
CV133	6	41	1	6	1	CV491	12	40	10	2	2	CV567	35	33	3	5	3			60	6	10	3	
CV136	6	34	6	1	1		40	10	7	2	CV568	35	33	3	5	3	63			6	4	3		
CV138	6	30	6	1	1	CV492	12	42	10	2	2	CV571	50	34	6	5	3			63	6	5	3	
CV140	6	33	6	2	1		42	10	7	2	CV572	6	40	6	3	3	CV589	6	40	6	10	3		
		33	6	7	1	CV493	6	44	6	1	1		40	6	5	3					63	6	4	3
CV216	50	*99	3	5	3		44	6	6	1	CV573	6	40	6	3	3					63	6	5	3
*Tube good if it reads 60 or more.						CV511	6	41	6	5	3		40	6	5	3			CV590	6	35	6	4	3
*Normally shows short position 11.						CV538	12	37	6	5	3	CV574	6	40	6	3	3	CV591	6	35	6	4	3	
*Normally shows grid emission.						CV544	12	40	6	4	3	CV575		40	6	5	3	CV592	6	35	6	4	3	
CV283	6	33	6	2	1	CV547	12	42	6	2	8		5	*40	6	4	3	CV593	5	*51	6	4	3	
		33	6	7	1		71	6	4	8			*40	6	6	3			*51	6	6	3		
CV450	6	29	6	5	3		71	6	5	8	*Normally shows short position 8-11.		*Normally shows short position 8-11.											
CV452	6	39	6	1	1	CV551	25	36	6	5	3	CV578	6	45	6	5	3	CV594	6	33	5	4	3	
		64	6	5	1	CV552	25	34	6	5	3	CV579	6	45	6	5	3	CV595	6	33	5	4	3	
		64	6	6	1	CV553	25	34	6	5	3	CV580	6	45	6	5	3	CV657	6	50	6	10	3	
CV453	6	35	6	1	1	CV554	6	48	6	3	3	CV581	6	46	6	5	3	CV660	6	33	6	4	3	
CV454	6	33	2	1	1		48	6	5	3	CV582	6	46	6	5	3	CV661	6	35	6	4	3		
						CV559	25	34	6	3	3	CV583	6	46	6	5	3	CV664	6	*46	1	6	1	
							34	6	5	3	CV586	6	37	6	5	3	*Normally shows short position 2-7.							
						CV561	35	36	6	5	3	CV587	6	40	6	10	3	CV665	6	42	2	1	1	
7788—CV665																								

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
CV686	50	*85	3	5	3	CV747	6	33	6	4	3	CV780	2	52	6	6	4	CV820	3	*48	5	3	6
*Normally shows short position 11.						CV753	2	*70	2	6	6	*Normally shows short position 2-6.						CV841	5	*40	6	4	3
*Normally shows grid emission.						CV755	1	55	6	5	3	CV781	1	53	5	6	4	*40 6 6 3					
CV694	12	34	5	4	3	CV756	1	55	6	5	3	CV782	1	57	5	4	6	*Normally shows short position 8-11.					
CV697	12	35	6	4	3	CV760	1	55	6	5	3	CV783	1	*55	5	3	6	CV842	5	*52	6	4	3
CV698	12	35	6	4	3	CV764	2	54	6	10	3	*Normally shows short position 2-6.						*52 6 6 3					
CV700	12	46	6	2	8	CV768	2	48	6	5	3	CV784	1	56	6	6	6	*Normally shows short position 8-11.					
		68	6	4	8	CV770	2	54	6	10	3	CV785	1	55	5	6	6	CV844	6	40	6	5	3
		68	6	5	8			64	6	4	3	CV786	1	54	6	5	3	CV845	6	40	6	5	3
CV703	6	35	6	5	3							CV797	6	32	5	1	1	CV846	6	33	6	4	3
CV706	6	48	6	10	3	CV772	1	55	6	4	3	CV805	50	35	6	3	3	CV848	6	31	2	1	1
CV717	5	*45	6	4	3	CV773	1	55	6	5	3			35	6	5	3	CV849	6	33	6	4	3
*Normally shows short position 8-11.								55	6	5	3	CV807	3	*36	5	4	6	CV850	6	33	2	1	1
CV723	3	39	6	5	3	CV775	1	62	6	4	4	*Normally shows short position 2-6.						CV851	6	35	6	5	3
CV726	35	31	6	2	4	CV776	1	55	6	4	4	CV808	3	45	4	3	6	CV852	6	41	1	6	1
CV728	2	53	6	10	3	CV777	1	54	5	6	4			45	4	5	6	CV858	6	34	6	5	1
CV729	5	*35	6	4	3	CV778	1	68	6	4	4	CV815	2	43	8	6	4			34	6	6	1
*Normally shows short position 8-11.						CV779	2	53	6	4	4	CV818	3	*42	5	3	6	CV862	6	53	6	5	3
CV731	6	54	6	5	3			63	6	4	4	*Normally shows short position 2-6.						CV865	6	35	6	4	3
CV732	6	32	6	5	8							CV819	3	45	9	5	3	CV866	6	35	6	4	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
CV867	6	46	6	2	8	CV887	6	50	4	3	4	CV900	6	35	6	6	4	CV945	30	40	6	2	4
		68	6	4	8			68	4	5	4			72	6	3	4			40	6	7	4
		68	6	5	8	CV891	6	40	4	3	4	CV901	6	45	6	3	4	CV946	30	40	6	2	4
CV873	6	43	6	3	3			69	4	5	4			45	6	6	4			40	6	7	4
		43	6	5	3									45	6	6	4	CV995	6	36	2	1	1
CV876	6	48	6	3	4	CV892	6	47	6	6	4	CV910	12	45	6	5	3	CV1067	6	42	6	5	3
		48	6	6	4			68	6	3	4	CV916	12	48	6	3	3	CV1071	5	*40	6	4	3
CV877	6	45	6	6	4			68	6	4	4	CV917	12	50	6	10	3	*Normally shows short position 8-11.					
CV878	6	40	6	4	4	CV893	6	45	6	4	4	CV918	12	52	6	10	3	CV1074	6	50	6	10	3
CV879	6	40	6	6	4							CV919	12	41	6	3	8	CV1268	5	*51	6	4	3
CV880	6	52	6	6	4			45	6	5	4	CV920	12	41	6	3	8	*51 6 6 3					
CV881	6	52	6	6	4	CV894	6	36	6	6	4	CV921	12	46	6	2	8	*Normally shows short position 8-11.					
CV882	6	40	4	3	4	CV895	6	35	6	6	4			69	6	5	8	CV1280	6	44	6	10	3
		68	4	5	4	CV896	6	45	6	4	4	CV922	12	33	5	4	3	CV1285	6	47	6	4	3
		68	4	6	4			65	6	5	4									47	6	5	3
CV883	6	42	6	4	4	CV897	6	35	6	6	4	CV924	12	43	6	1	8	CV1301	6	48	6	3	3
CV885	6	38	6	6	4			50	6	4	4	CV925	12	44	6	1	8			48	6	5	3
CV886	6	38	6	6	4	CV898	6	42	6	4	4			44	6	4	8	CV1375	6	33	1	2	2
								42	6	5	4	CV930	12	45	6	4	4	CV1377	5	*30	6	4	3
CV686-CV1377						CV899	6	35	6	4	4			45	6	5	4	*Normally shows short position 8-11.					
												CV939	25	40	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
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	32	10	7	2	CV1820	1	55	6	10	3			*51	6	6	3						
CV1741	6	46	6	5	3			96	6	5	3												
CV1753	35	34	6	6	4	CV1821	2	53	6	10	3	CV1857	5	52	6	3	8	CV1895	50	*70	3	5	3
CV1757	6	42	2	1	1	CV1823	2	53	6	10	3			52	6	5	8						
CV1758	1	55	5	6	6	CV1824	1	48	6	5	3	CV1862	6	35	1	7	1	CV1895					
CV1762	6	43	6	1	1	CV1826	1	48	6	5	3	CV1863	5	*36	6	4	3						
CV1777	6	37	6	6	4	CV1829	1	54	6	5	3			*36	6	6	3	CV1902	6	45	6	5	3
CV1784	6	32	6	4	3	CV1846	5	*38	6	4	3	CV1864	5	*36	6	4	3	CV1908	6	40	6	10	3
CV1790	6	50	6	3	4			*38	6	6	3							CV1909	6	40	6	10	3
		50	6	6	4	*Normally shows short position 8-11.												CV1910	6	40	6	10	3
CV1800	1	57	6	5	3	CV1849	5	*52	6	4	3							CV1911	6	54	6	5	3
CV1802	1	57	6	5	3			*52	6	6	3	CV1873	6	35	6	4	3	CV1912	6	54	6	5	3
CV1803	1	54	6	5	3	*Normally shows short position 8-11.						CV1876	6	33	6	4	3	CV1926	6	45	6	5	3
CV1805	1	54	6	5	3	CV1851	5	47	6	3	8	CV1878	6	54	6	5	3	CV1928	12	33	2	1	1
CV1811	1	58	6	5	3			47	6	5	8			62	6	1	3	CV1929	6	48	6	3	3
		86	6	10	3	CV1852	5	47	6	3	8	CV1882	6	32	6	4	3						
		*99	6	8	3	CV1854	5	*51	6	4	3	CV1893	6	55	6	10	3	CV1930	6	48	6	5	3
*Tube good if it reads 30 or more.								*51	6	6	3			65	6	4	3						
CV1818	1	55	6	10	3	*Normally shows short position 8-11.								65	6	5	3	CV1931	6	48	6	5	3
		96	6	5	3													CV1932	6	42	6	5	3
																		CV1933	6	42	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
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			47	6	5	3	CV1974	6	47	6	10	3						
CV1936	6	50	6	10	3	CV1958	6	47	6	4	3	CV1975	6	47	6	10	3						
CV1937	6	50	6	10	3			47	6	5	3	CV1976	6	37	6	5	3	CV2128	6	85	6	1	2
CV1938	6	41	6	5	3	CV1959	50	35	2	5	1	CV1978	6	34	5	4	3						
CV1940	6	41	6	5	3	CV1961	12	33	6	1	1	CV1981	6	40	6	4	3	CV2129	6	33	9	9	2
CV1941	6	52	6	10	3	CV1962	6	52	6	10	3	CV1982	6	40	6	4	3	CV2370	3	*48	5	3	6
CV1942	6	52	6	10	3			63	6	4	3	CV1985	6	43	6	1	8						
CV1943	6	52	6	10	3			63	6	5	3			43	6	4	8	*Normally shows short position 2-6.					
CV1944	6	35	6	5	3	CV1963	6	52	6	10	3	CV1988	6	44	6	1	8	CV2390	3	*36	5	4	6
CV1945	6	35	6	5	3			63	6	4	3							*Normally shows short position 2-6.					
CV1946	6	35	6	5	3			63	6	5	3	CV1990	6	42	6	2	8	CV2500	35	33	6	5	3
CV1947	6	37	6	5	3	CV1964	6	52	6	10	3			71	6	4	8	CV2507	1	52	5	6	6
CV1948	6	37	6	5	3			63	6	4	3			71	6	5	8	CV2522	6	35	6	1	1
CV1949	6	43	6	1	1			63	6	5	3	CV1991	6	42	6	2	8	CV2524	6	33	6	1	1
CV1950	6	44	6	10	3	CV1966	6	37	6	5	3			71	6	4	8	CV2526	6	40	6	1	1
CV1951	6	44	6	10	3	CV1967	6	37	6	5	3			71	6	5	8						
CV1956	6	47	6	4	3	CV1969	6	48	6	3	8	CV1993	6	46	6	4	3	CV2534	50	34	6	5	3
		47	6	5	3			48	6	4	8	CV1995	6	52	6	2	8	CV2706	6	53	6	4	4
						CV1970	6	48	6	3	8			72	6	4	8	CV2714	6	40	6	5	3
								48	6	4	8			72	6	5	8	CV2716	6	48	6	3	8
						CV1972	6	41	6	3	8												

Normal shorts refer to position of "C" switch.

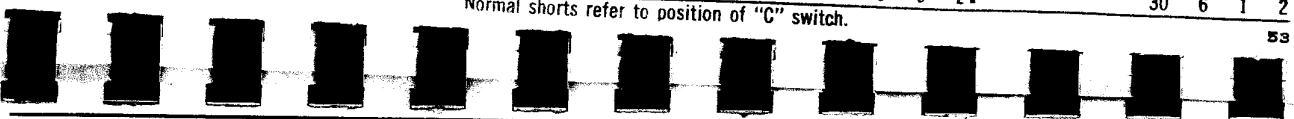
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TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
CV2721	6	*32	8	2	2	CV3799	50	*69	3	5	3	DAC32	1	55	6	10	3	DH63	6	40	6	10	3
*Normally shows short position 1-6-9.						*Normally shows grid emission.						*Normally shows short position 11.						*Normally shows short position 2-3.					
CV2748	5	*36	6	4	3	CV4007	6	33	6	2	1	DAF91	1	56	6	6	6	DH74	12	40	6	10	3
*Normally shows short position 8-11.						*Normally shows short position 11.						*Normally shows short position 2-3.						*Normally shows short position 2-3.					
CV2769	6	*55	1	5	1	CV4010	6	33	2	1	1	DAF92	2	55	6	3	6	DH76	12	40	6	10	3
CV2901	6	40	2	9	2	CV4018	6	32	5	1	1	DAF96	1	58	6	6	6						
CV2938	6	35	6	5	3	CV4024	12	32	10	2	2	DC90	1	*70	5	6	6	DH77	6	39	6	1	1
CV2975	6	33	1	2	2	D2M9	6	33	6	2	1	*Normally shows short position 2-3.											
CV2983	3	45	5	6	6	D63	6	48	6	3	3	DCC90	3	45	4	3	6	DH107	19	39	6	1	1
CV2984	6	35	6	1	8	D77	6	48	6	5	3	DD6	6	33	6	2	1						
CV3512	6	34	5	6	1	D77	6	33	6	2	1	DF33	2	53	6	10	3	DH149	6	50	4	3	4
CV3523	6	*38	1	5	3	D152	6	33	6	2	1	DF91	1	55	5	6	6						
CV3798	50	*70	3	5	3	D193	3	*36	5	4	6	DF92	1	55	5	6	6	DH710	6	43	6	8	2
*Normally shows short position 11.						*Normally shows short position 2-6.						DF96	1	58	5	6	6						
*Normally shows grid emission.						*Normally shows short position 5-11.						DF97	1	40	5	6	6	35	6	2	2		
												DF904	1	52	5	6	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
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	7	2	ECC81	12	43	6	4	8	ECC802S	12	32	10	7	2	ECF805	6	34	6	9	2
		64	6	8	2	ECC82	12	32	10	2	2	ECC808	6	40	10	2	2	ECH81	6	33	9	9	2
		31	6	2	2			32	10	7	2			40	10	7	2			30	9	7	2
		62	6	7	2			40	10	2	2			50	6	1	2			85	6	1	2
EBF89	6	62	6	8	2	ECC83	12	42	10	7	2	ECC960	6	50	6	9	2	ECH83	6	38	6	9	2
		33	6	2	2	ECC84	6	42	10	7	2	ECF80	6	32	6	5	1			30	6	2	2
		60	6	7	2			42	10	7	2			32	6	6	1			34	6	9	2
		60	6	8	2	ECC85	6	33	8	2	2	ECF82	6	31	6	2	2	ECH84	6	26	6	2	2
EC81	6	35	6	1	2			33	8	6	2			34	6	9	2			33	6	9	2
EC86	6	29	3	6	7	ECC86	6	32	6	2	2	ECF86	6	33	6	2	2	ECH200	6	34	6	3	13
EC88	6	*85	7	8	2	ECC88	6	33	6	7	2	ECF200	6	24	3	2	2	ECL80	6	32	6	8	13
*Normally shows short position 1-3-7-9.								33	6	7	2			25	1	6	2			37	6	9	2
EC90	6	41	1	6	1	ECC89	6	31	6	2	2	ECF201	6	32	6	3	13	ECL82	6	44	6	2	2
EC91	6	*29	7	1	1			31	6	7	2	ECF202	6	38	6	10	13			33	6	3	2
*Normally shows short position 2-5.						ECC91	6	29	6	2	2			30	6	3	13	ECL84	6	39	6	1	2
EC92	6	30	6	6	1			29	2	6	2	ECF801	6	40	6	10	13			25	6	8	2
EC95	6	33	1	2	1	ECC189	6	34	6	5	1			29	6	3	13	ECL85	6	25	6	1	2
EC97	6	33	1	2	1			34	6	6	1			33	6	10	13			29	6	9	2
EC900	6	27	2	1	1			30	6	2	2			26	3	9	2	ECL86	6	29	6	2	2
								30	6	7	2									26	6	8	2
																				30	6	1	2

◆ Use TC-80 Adapter

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	
ECL800	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			29	6	6	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			*Normally shows short position 6-8.				
		33	6	7	1	EF-806S	6	40	2	9	2	EL91	6	34	6	1	1	EN93	6	43	6	1	1	
ED500◆	6	*54	6	8	10	EFL200	6	30	6	1	13	EL95	6	34	1	7	1			6	33	3	7	2
								30	6	8	13	EL500◆	6	*26	1	2	10	EQ80	6	33	3	7	2	
*Normally shows short position 2-3-6-7-9.						EH90	6	35	6	1	1			*May show short position 3-6-7-8.				EY81	6	30	2	9	2	
EF22	6	36	6	6	4	EH-900S	6	42	6	1	1	EL503◆	6	*31	3	7	10	EY82	6	29	6	9	2	
EF-37A	6	44	6	10	3	EK90	6	35	6	1	1			*Normally shows short position 1-2-6-8.				EY86	6	*95	1	10	7	
EF80	6	33	1	2	2	EL34	6	35	6	5	3			*Normally shows short position 2-3-6-7.						*Normally shows short position 6-11.				
EF85	6	33	1	2	2	EL36	6	*32	4	5	3							EY87	6	*98	1	10	7	
EF86	6	40	2	9	2			37	6	5	3									*Normally shows short position 6-11.				
EF89	6	34	1	2	2	*Normally shows short position 3-8.						EL505◆	6	*26	1	8	10	EY88*	6	27	7	3	7	
						EL37	6	37	6	5	3			*Normally shows short position 2-3-6-7.						*If no test, use alternate settings.				
EF91	6	30	6	1	1	EL38	6	29	6	5	3	EL508◆	6	28	1	8	10	EY88	6	27	3	7	7	
EF92	6	35	6	1	1	EL81	6	*32	8	2	2			*Normally shows short position 3-9.				EY500■	6	26	2	5	8	
EF93	6	33	2	1	1			*Normally shows short position 1-6-9.				EL802	6	*29	7	2	2	EZ35	6	40	6	3	3	
EF94	6	33	6	1	1	EL82	6	71	2	9	2			*Normally shows short position 1-6-9.						40	6	5	3	
EF95	6	33	2	1	1	EL83	6	30	6	2	2	EL820	6	*32	8	2	2			40	6	1	2	
						EL84	6	33	1	2	2							EZ80	6	40	6	7	2	
EBF80-EZ80																								

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	34	6	7	2			64	6	5	1	KT88	6	35	6	5	3	LCL85	10	25	6	1	2
		44	6	1	1			64	6	6	1	KT263	6	50	6	10	3			29	6	9	2
G180/ZM	50	*99	3	5	3	HBC91	12	40	6	1	1	L63	6	42	6	5	3			29	6	2	2
								67	6	5	1	L77	6	41	1	6	1	LF183	4	30	3	2	2
*Tube good if it reads 60 or more.								67	6	6	1	LC900	3	27	2	1	1	LF184	4	29	3	2	2
*Normally shows short position 11.						HCC85	17	32	6	2	2	LCF80	6	31	6	2	2	LF200	11	30	6	1	13
*Normally shows grid emission.								32	6	7	2			34	6	9	2			30	6	8	13
GZ30	5	*36	6	4	3	HCH81	12	32	6	2	2	LCF200	5	32	6	3	13	LL86	10	*30	1	2	2
		*36	6	6	3			35	6	9				38	6	10	13			*Normally shows short position 1-8.			
*Normally shows short position 8-11.						HD14	1	55	6	10	3	LCF201	5	30	6	3	13	LL500♦	18	*26	1	2	10
GZ32	5	*51	6	4	3			96	6	5	3			40	6	10	13			*May show short position 3-6-7-8.			
		*51	6	6	3	HF93	12	33	2	1	1	LCF801	5	24	3	2	2	LL505♦	27	*26	1	8	10
*Normally shows short position 8-11.						HF94	12	33	6	1	1			26	3	9	2			*Normally shows short position 2-3-6-7.			
GZ34	5	*30	6	4	3	HK90	12	35	6	1	1	LCF-802	6	29	6	2	2						
		*30	6	6	3	HL90	19	35	1	7	1			34	6	9	2	LL521♦	21	*25	1	8	10
*Normally shows short position 8-11.						HL92	50	35	2	5	1	LCH200	5	34	6	3	13			*Normally shows short position 2-3-6-7.			
H63	6	40	6	10	3	HL94	29	27	5	2	1			32	6	8	13						
HABC80	19	43	6	8	2	HMO4	6	35	6	1	1	LCL80	4	37	6	9	2	LL802	10	*29	7	2	2
		35	6	2	2	HY90	35	33	7	5	1			44	6	2	2			*Normally shows short position 3-9.			
		35	6	1	2	KT32	25	34	6	5	3	LCL82	11	33	6	3	2	LN152	6	37	6	9	2
		35	6	6	2	KT63	6	54	6	5	3			39	6	1	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
LY-81	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			30	6	7	2			71	6	4	8			32	6	7	2
*If no test, use alternate settings.						NR67	6	44	6	10	3			71	6	5	8	PCC88	7	31	6	2	2
LY88	22	27	3	7	7	NR78	6	46	6	5	3	OSW3106	6	41	6	5	3			31	6	7	2
LY500■	28	26	2	5	8	NR78A	6	42	6	5	3	OSW3108	6	37	6	5	3	PCC89	7	29	2	6	2
LZ319	9	45	6	5	3	NR81	6	52	6	10	3	OSW3109	6	48	6	3	3			29	6	2	2
M8081	6	34	6	5	1	NR83	6	50	6	10	3			48	6	5	3	PCC189	7	30	6	2	2
		34	6	6	1	NR85	6	54	6	5	3	OSW3111	6	40	6	4	3			30	6	7	2
M8100	6	33	2	1	1	NR95	25	34	6	5	3	OSW3112	6	42	6	5	3	PCF80	9	31	6	2	2
N14	1	54	6	5	3	NU20	5	*51	6	4	3	PABC80	9	43	6	8	2			34	6	9	2
N17	3	*48	5	3	6			*51	6	6	3			35	6	2	2	PCF82	9	33	6	2	2
*Normally shows short position 2-6.						*Normally shows short position 8-11.								35	6	1	2			33	6	9	2
N18	3	*42	5	3	6	OBC3	12	42	6	2	8			35	6	6	2	PCF86	7	24	3	2	2
*Normally shows short position 2-6.								71	6	4	8	PC86	4	29	3	6	7			25	1	6	2
N19	3	45	5	6	6			71	6	5	8	PC88	4	*85	7	8	2	PCF200	8	32	6	3	13
N152	20	*32	8	2	2	OF1	6	47	6	10	3			*Normally shows short position 1-3-7-9.						38	6	10	13
*Normally shows short position 1-6-9.						OH4	12	45	6	5	3	PC-95	4	33	1	2	1	PCF201	8	30	6	3	13
N329	16	71	2	9	2	OSW2190	6	33	6	4	3	PC97	5	33	1	2	1			40	6	10	13
N709	6	33	1	2	2	OSW2192	6	32	6	4	3	PC900	4	27	2	1	1	PCF801	8	24	3	2	2
						OSW2600	6	33	6	4	3									26	3	9	2
						OSW2601	6	32	6	4	3	PCC84	7	33	8	2	2	PCF802	9	29	6	2	2
														33	8	6	2			34	6	9	2

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	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	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.						*Normally shows short pos. 1-6-9.						QE03/10					
PCL82	16	32	6	8	13	PL82	16	71	2	9	2	PM04	6	33	2	1	1	QE05/40	6	*38	1	5	3
		33	6	3	2	PL83	12	30	6	2	2	PM05	6	33	2	1	1	*Normally shows short position 4-6.					
PCL84	15	39	6	1	2	PL84	15	*30	1	2	2	PY32	29	25	7	3	3	QS150/40	50	*99	3	5	3
		25	6	8	2	*Normally shows short position 7-8.								25	7	5	3	*Tube good if it reads 60 or more.					
PCL85	18	29	6	9	2	PL500	28	*26	1	2	10	PY80	19	29	6	9	2	*Normally shows short position 11.					
		29	6	2	2	*May show short position 3-6-7-8.						PY81	17	30	2	9	2	*Normally shows grid emission.					
PCL86	14	26	6	8	2	PL505	40	*26	1	8	10	PY82	19	29	6	9	2	QV03/12	6	33	9	9	2
PD500	9	*54	6	8	10	*Normally shows short position 2-3-6-7.						PY88	30	27	7	3	7	QV06/20	6	*38	1	5	3
*Normally shows short position 2-3-6-7-9.						PL508	17	28	1	8	10	*If no test, use alternate settings.						*Normally shows short position 4-6.					
PF9	6	52	6	10	3	PL509	30	*26	1	8	10	PY88	30	27	3	7	7	R52	5	*36	6	4	3
PF86	4	35	2	9	2	*Normally shows short position 2-3-6-7.						PY500	42	26	2	5	8	*36 6 6 3					
PFL200	16	30	6	1	13	PL521	29	*25	1	8	10	QA240	6	41	1	6	1	*Normally shows short position 8-11.					
		30	6	2	13	*Normally shows short position 2-3-6-7.						QA2404	6	33	6	2	1	SN7	1	*96	3	10	3
PH4	6	45	6	5	3	PL802	16	*29	7	2	2	QA2406	12	32	10	2	2	*Normally shows short position 5-8-11.					
PL36	25	27	6	5	3	*Normally shows short position 3-9.						QA2407	6	44	6	1	1	SP6	6	30	6	1	1
														44	6	6	1	T2M05	6	34	6	5	1
																				34	6	6	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
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								45	6	6	4			35	6	9	2	*Normally shows short position 11.					
TS51	6	33	2	1	1	U153	17	30	2	9	2	UCL82	50	33	6	3	2	*Normally shows grid emission.					
TS52	6	34	6	5	1	U154	19	29	6	9	2			39	6	1	2	VR-105	50	*85	3	5	3
		34	6	6	1	U192	19	29	6	9	2	UF86	12	40	2	9	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.								34	6	7	2	UL84	50	33	1	2	2	VR-150	50	*99	3	5	3
U50	5	*51	6	4	3	UAA91	19	33	6	2	1	UU12	6	34	6	1	2	*Tube good if it reads 60 or more.					
		*51	6	6	3	UABC80	25	43	6	7	1			34	6	7	2	*Normally shows short position 11.					
*Normally shows short position 8-11.								35	6	8	2	UY82	50	29	6	9	2	*Normally shows grid emission.					
U52	5	*40	6	4	3			35	6	1	2	UY85	38	35	1	6	7	VT52	7	41	6	5	3
		*40	6	6	3			35	6	6	2	V2M70	6	44	6	1	1	VT65	6	46	6	5	3
*Normally shows short position 8-11.						UBF80	17	30	6	2	2			44	6	6	1	VT66	6	54	6	5	3
U54	5	*30	6	4	3			65	6	7	2	V-884	6	35	6	1	1	VT74	5	*36	6	4	3
		*30	6	6	3							VP6	6	35	6	1	1	*36 6 6 3					
*Normally shows short position 8-11.						UCC84	22	33	8	2	2	VP1321	12	*55	1	5	1	*Normally shows short position 8-11.					
U78	6	44	6	1	1			33	8	6	2	*Normally shows short position 2-7.						VT86	6	52	6	10	3
		44	6	6	1	UCC85	25	32	6	2	2	VR-75	50	*70	3	5	3	VT87	6	44	6	10	3
U147	6	40	6	3	3			32	6	7	2	*Normally shows short position 11.						VT88	6	52	6	10	3
		40	6	5	3	UCF80	25	31	6	2	2	*Normally shows grid emission.								63	6	4	3
PCF805-VT88								34	6	9	2									63	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
VI90	6	48	6	3	3	VI104	12	42	6	2	8	W727	6	33	2	1	1	XCL82	8	33	6	3	2
VT91	6	48	6	5	3			71	6	4	8	X63(M)	6	45	6	5	3			39	6	1	2
VT93	6	50	6	10	3	VT105	6	71	6	5	8	X73(M)	6	45	6	5	3	XCL84	8	25	6	8	2
		55	6	10	3			48	6	3	8	X107	19	35	6	1	1			25	6	1	2
		65	6	4	3			48	6	4	8	X155	6	30	6	2	2	XCL85	18	29	6	9	2
VT94	6	65	6	5	3	VI107	6	41	6	5	3			30	6	7	2			29	6	2	2
VT96	6	42	6	5	3	VI112	6	33	6	4	3	X727	6	35	6	1	1	XF80	3	33	1	2	2
		47	6	4	3	VI114	5	*38	6	4	3	XB767A	6	34	6	5	3	XF85	3	33	1	2	2
		47	6	5	3			*38	6	4	3	XC95	2	33	1	2	1	XF183	3	30	3	2	2
VT97	5	*52	6	4	3							XC97	2	33	1	2	1	XF184	3	29	3	2	2
		*52	6	6	3	*Normally shows short position 8-11.						XC900	2	27	2	1	1	XL36	12	*25	9	5	3
*Normally shows short position 8-11.						VI115	6	37	6	5	3	XC9189	4	30	6	2	2	*Normally shows short position 1-4.					
VI99	6	45	6	5	3	VI116	6	35	6	4	3			30	6	7	2	XL84	8	33	1	2	2
		45	6	10	3	VI117	6	40	6	4	3	XCF80	4	31	6	2	2	XL86	8	*30	1	2	2
VI102	6	41	6	5	3	VI124	1	55	6	5	3			34	6	9	2	*Normally shows short position 7-8.					
VI103	6	42	6	2	8	VI125	1	54	6	5	3	XCF86	5	24	3	2	2	XL500◆	13	*26	1	2	10
		71	6	4	8	VI126	6	40	6	3	3			25	1	6	2	*May show short position 3-6-7-8.					
		71	6	5	8	VI134	12	45	6	5	3	XCF801	4	24	3	2	2	XXD	12	41	6	4	4
						W17	1	55	5	6	6			26	3	9	2			41	6	5	4
						W77	6	35	6	1	1	XCH81	3	85	6	1	2	XXFM	6	43	6	3	4
						W149	6	45	6	6	4			38	6	9	2			36	6	5	4
						W719	6	33	1	2	2									35	6	6	4

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
XXL	6	41	6	6	4	YF184	4	29	3	2	2	Z152	6	33	1	2	2	ZD25	1	58	6	6	6
XY88*	16	30	7	3	7	YL1371	12	*40	1	5	3	Z719	6	33	1	2	2			70	6	3	6
*If no test, use alternate settings.						*Normally shows short position 4-6						Z729	6	40	2	9	2	ZD151	6	37	6	2	2
XY88	16	30	3	7	7	Z14	2	53	6	10	3	ZD17	1	*55	5	3	6			64	6	7	2
YF183	4	30	3	2	2	Z63	6	50	6	10	3	*Normally shows short position 2-6								64	6	8	2
																		ZD152	6	37	6	2	2
																				64	6	7	2
																				64	6	8	2

GLQG-6JEG -DOHE
GLQG-6EL4
2AVE
3A3
XL86

*Normal Shorts Refer to Position of "D" Switch.

12BEC

1424

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M

3544