



DYNA JET

TUBE SELECTOR

INSTRUCTIONS FOR MODEL 606 TUBE TESTER

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

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

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	1BQ2	1	*99	1	10	7
*Normally shows short position 11.						*Tube good if it reads 60 or more.						*Tube good if it reads 20 or more.						*Tube good if it reads 40 or more.					
*Normally shows grid emission.						*Normally shows short position 11.						*Normally shows short position 6-11.						Normally shows short position 6-11.					
OA3A	50	*65	3	5	3	1A3	2	*70	2	6	6	1AY2*	1	95	6	10	9	1BX2	1	*99	1	10	7
*Normally shows short position 11.						*Normally shows grid emission.						*Connect two leads from 1AY2 bot-						*No short test.					
*Normally shows grid emission.						*Normally shows short position 5-11.						tom pins to pin holes No. 1 and 12						1BY2▼					
						1A5	2	53	6	5	3	of Socket No. 9.						*Tube good if it reads 14 or more.					
OB3	50	*62	3	5	3	1A7	2	54	6	5	3	1B3	1	*98	3	10	3	1C1	1	57	5	4	6
*Normally shows short position 11.						1AB6	1	54	6	4	6	*Ignore all shorts except on						1C5	2	48	6	5	3
*Normally shows grid emission.						1AC6	1	48	6	4	6	position 10.						1C7	2	54	6	5	3
OC3	50	*75	3	5	3	1AD2▲	1	*99	5	10	3	1B7	1	55	6	5	3	1D5	2	54	6	10	3
*Normally shows short position 11.						1AF4	1	50	5	6	6	1BC2	1	**99*	1	10	7	1D8	2	53	6	5	3
*Normally shows grid emission.						1AH5	1	58	6	6	6	*Normally shows short position 6-11.						55					
						70						**Tube good if it reads 40 or more.						75					
OC3A	50	*75	3	5	3	1AJ4	1	58	5	6	6	1BG2	1	*95	6	10	2	1DK29	1	*95	6	10	2
*Normally shows short position 11.						1AN5	1	40	5	6	6	*Insert leads into pins 4 & 5 of						*Insert leads into pins 4 & 5 of					
*Normally shows grid emission.						1AU2	1	*100	1	9	2	socket #2. Top cap goes to top lead.						socket #2. Top cap goes to top lead.					
OD3	50	*99	3	5	3	*Tube good if it reads 20 or more.						1BH2*	1	95	6	10	9	1DN5	2	54	6	6	6
*Tube good if it reads 60 or more.						1AU3	1	*99	9	10	3	*Connect two leads from solder lugs						75					
*Normally shows short position 11.						*Tube good if it reads 15 or more.						of the 1BH2 to pin holes No. 1 and						1DY4					
*Normally shows grid emission						*Ignore all shorts except on						12 of Socket No. 9.						*Normally shows short position 1-7.					
						position 10.																	

▲Use TC-70 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
1F1	1	58	5	6	6	1H5	1	55	6	10	3	1LD5	2	53	6	6	4	1S5	2	54	6	6	6
1F2	1	55	5	6	6			96	6	5	3			63	6	4	4			70	6	3	6
1F3	1	55	5	6	6	1H6	2	54	6	6	3	1LE3	1	55	6	6	4	1T4	2	50	5	6	6
1F5	2	48	6	5	3			65	6	4	3	1LG5	2	50	5	6	4	1T5	1	54	6	5	3
1F7	2	54	6	10	3			65	6	5	3	1LH4	2	52	6	6	4	1U4	2	49	5	6	6
		64	6	4	3	1J3	1	*99	9	10	3			60	6	4	4	1U5	2	54	6	6	6
		67	6	5	3	*Tube good if it reads 30 or more.						1LN5	2	50	5	6	4			75	6	4	6
1FD1	1	58	6	6	6	*Ignore all shorts except on position 10.						1N2-A	1	*95	9	10	3	1V2	1	*99	6	1	7
		70	6	3	6							*Ignore all shorts except on position 10.						*Tube good if it reads 50 or more.					
1FD9	1	56	6	6	6	1J6	2	53	6	4	3							1X2	1	*99	1	10	7
		95	6	3	6			53	6	5	3	1N5	2	53	6	10	3	*Normally shows short position 6-11.					
1G3	1	*97	6	10	3	1K3	1	*99	9	10	3	1P5	2	53	6	10	3	2AF4	2	*33	2	6	1
*Ignore all shorts except on position 10.						*Tube good if it reads 20 or more.						1P10	3	*48	5	3	6	*Normally shows short position 1-7.					
1G6	1	55	6	4	3	*Ignore all shorts except on position 10.						*Normally shows short position 2-6.						2AH2▲	2	*99	5	10	3
		55	6	5	3	1L4	2	52	5	6	6	1P11	3	45	5	6	6	*Tube good if it reads 40 or more.					
1H2	1	*97	1	10	7	1L6	2	56	6	4	6	1Q5	2	40	6	5	3	2AS2▲	2	*99	5	10	3
*Tube good if it reads 40 or more.						1LA4	2	53	6	6	4	1R4	2	65	6	4	4	*Tube good if it reads 35 or more.					
*Normally shows short position 6-11.						1LA6	2	58	6	4	4	1R5	2	53	5	4	6	2AV2	2	*99	6	1	7
						1LB4	2	53	6	6	4	1S2-A	1	*98	1	10	7	*Tube good if it reads 30 or more.					
						1LC5	1	54	5	6	4	*Normally shows short position 6-11.						2AZ2	2	*99	1	10	7
						1LC6	2	59	6	4	4	1S4	2	*44	5	3	6	*Normally shows short position 6-11.					
												*Normally shows short position 2-6.						2B3	2	95	9	10	3

OA3-2B3

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Normal shorts refer to position of "C" switch.

TYPE TUBE	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
2BA2	2	92	6	1	7	2DX4	2	*69	1	7	1	2FY5	2	33	1	2	1	3A4	3	*36	5	4	6
2BJ2	2	*99*	1	10	7	*Normally shows short position 2-6.						2GK5	2	25	1	2	1	*Normally shows short position 2-6.					
*Tube good if it reads 45 or more.						2DY4	2	*33	2	6	1	2GU5	2	27	2	1	1	3A5	3	45	4	3	6
**Normally shows short position 6-11.						*Normally shows short position 1-7.						2GW5	2	25	2	6	1			45	4	5	6
						2DZ4	2	*31	7	2	1	2HA5	2	27	2	1	1	3A8	3	54	1	10	3
2BN4	2	*33	2	7	1	*Normally shows short position 1-7.						2HK5	2	27	2	1	1			55	1	5	3
*Normally shows short position 1-6.						2E26	6	*40	1	5	3	2HM5	2	27	2	1	1			92	1	8	3
2BU2▲	2	*90	5	10	3	*Normally shows short position 4-6.						2HQ5	2	29	2	1	1	3AF4	3	*33	2	6	1
*Tube good if it reads 40 or more.						2EA5	2	33	2	1	1	2HR8	2	35	2	9	2	*Normally shows short position 1-7.					
2CN3A	2	*94	5	10	3	2EG4	2	*80	6	2	5	2T4	2	*33	2	6	1	3AJ8	3	85	6	1	2
*Normally shows short position 3-11.						*For grid emission turn C switch to position 4.						*Normally shows short position 1-7.								38	6	9	2
2CW4	2	*87	6	2	5	2EN5	2	37	6	2	1	3A2	3	*98	1	10	7	3AL5	3	33	6	2	1
*For grid emission turn C switch to position 4.								37	6	7	1	*Normally shows short position 6-11.								33	6	7	1
2CY5	2	35	2	1	1	2ER5	2	33	1	2	1	3A3	3	*99	3	10	3	3AT2	3	*97*	9	10	9
												*Tube good if it reads 40 or more.						*Tube good if it reads 40 or more.					
2D21	6	32	5	1	1	2ES5	2	33	1	2	1	*Ignore all shorts except on position 10.						**Normally shows short position 2-5-6-9-11.					
2DL4	2	*85	7	8	2	2EV5	2	33	2	1	1	3A3A	3	*99	3	10	3	3AU6	3	33	6	1	1
*Normally shows short position 1-3-7-9.						2FH5	2	33	1	2	1	*Tube good if it reads 40 or more.						3AV6	3	40	6	1	1
2DS4	2	*87	6	2	5	2FQ5	2	33	1	2	1	*Ignore all shorts except on position 10.								78	6	5	1
*For grid emission turn C switch to position 4.						2FQ5A	2	31	1	2	1									78	6	6	1
						2FS5	2	27	2	1	1							3AW2▲	3	93	5	10	3
						2FV6	2	33	6	1	1												

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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
3AW3	3	*99	3	10	3	3BT2▲	3	*95	5	10	3	3CN3A	3	*94	5	10	3	3DX4	3	*69	1	7	1
*Tube good if it reads 40 or more. *Ignore all shorts except on position 10.						*Tube good if it reads 40 or more.						*Normally shows short position 3-11.						*Normally shows short position 2-6.					
3B7	3	45	4	3	4	3BU8	3	33	6	7	2	3CS6	3	35	6	1	1	3DY4	3	*33	2	6	1
						3BW2▲	3	*95	5	10	3	3CU3	3	*90	9	10	3	*Normally shows short position 1-7.					
						*Tube good if it reads 40 or more.						*Ignore all shorts except on position 10.						3DZ4	3	*31	7	2	1
3BA6	3	33	2	1	1	3BX6	3	33	1	2	2							*Normally shows short position 1-7.					
3BC5	3	35	2	1	1	3BY6	3	35	6	1	1	3CY5	3	35	2	1	1	3EA5	3	33	2	1	1
3BE6	3	35	6	1	1	3BY7	3	33	1	2	2	3CZ3	3	98	9	10	3	3EH7	3	30	3	2	2
3BL2	3	*90	9	10	9	3BZ6	3	31	6	1	1	3D6	2	43	8	6	4	3EJ7	3	29	3	2	2
*Normally shows short position 2-5-6-9-11.						3C2	3	*90	5	10	3	3DB3	3	*99	1	10	3	3ER5	3	33	1	2	1
3BM2▲	3	90	5	10	3	*Normally shows short position 4-6-8-11.						*Tube good if it reads 40 or more. *Ignore all shorts except position 10.						3ES5	3	33	1	2	1
3BN2▲	3	*99	5	10	3	3C4	2	48	5	6	6	3DC3	3	*87	9	10	3	3EV5	3	33	2	1	1
*Tube good if it reads 35 or more						3CA3	3	*99	3	10	3	*Ignore all shorts except position 10. *Tube good if it reads 40 or more.						3FH5	3	33	1	2	1
3BN4	3	*33	2	7	1	*Ignore all shorts except on position 10.						3DG4	4	30	6	5	12	3FQ5	3	33	1	2	1
*Normally shows short position 1-6.						3CB6	3	33	6	1	1							3FQ5A	3	31	1	2	1
3BN6	3	99	6	5	1	3CE5	3	35	2	1	1	3DJ3	3	*95	9	10	3	3FS5	3	27	2	1	1
3BS2▲	3	94	5	10	3	3CF6	3	33	6	1	1	*No short test. *Tube good if it reads 20 or more.						3FY5	3	33	1	2	1
3BS2A▲	3	94	5	10	3	3CN3	3	*94	5	10	3	3DK6	3	33	6	1	1	3GK5	3	25	1	2	1
*Normally shows short position 3-11.												3DT6	3	33	6	1	1	3GK6	3	33	3	2	2
																		3GS8	3	33	6	7	2
																		3GU5	3	27	2	1	1
																		3GW5	3	25	2	6	1

2BA2-3GW5

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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	
3GY5	3	*25	5	9	9	3LF4	3	43	8	6	4	4BE6	4	35	6	1	1	4CM4	4	29	3	6	7	
*Normally shows short position 1-3-4-7-10.						3M-P26	3	40	6	1	1	4BL8	4	31	6	2	2	4CS6	4	35	6	1	1	
3HA5	3	27	2	1	1	3M-R24	3	35	6	1	1		34	6	9	2		4CY5	4	35	2	1	1	
		27	11	2	9	3M-V7	3	35	6	1	1	4BN4	4	*33	2	7	1	4DE6	4	30	6	1	1	
						3Q4	3	*42	5	3	6	*Normally shows short position 1-6.						4DK6	4	33	6	1	1	
3HE7	3	25	11	9	9	*Normally shows short position 2-6.						4BN6	4	99	6	5	1	*Normally shows short position 1-3-7-9.						
3HF5	3	*25	10	5	9	3Q5	3	45	9	5	3	4BQ7	4	32	6	2	2	4DT6	4	33	6	1	1	
*Normally shows short position 1-3-4-6-8-10.						3S4	3	*48	5	3	6		32	6	7	2		4EH7	4	30	3	2	2	
3HK5	3	27	2	1	1	*Normally shows short position 2-6.						4BS8	4	32	6	2	2							
3HM5	3	27	2	1	1	3V4	3	45	5	6	6		32	6	7	2		4EJ7	4	29	3	2	2	
3HM6	3	24	3	2	2	4AB8	4	37	6	9	2		33	6	7	2		4ER5	4	33	1	2	1	
3HQ5	3	29	2	1	1		44	6	2	2		4BU8	4	33	6	7	2		4ES8	4	33	1	2	1
3HS8	3	30	6	7	2	4AU6	4	33	6	1	1	4BX6	4	33	1	2	2		30	6	2	2		
3HT6	3	28	3	2	2	4AU8	4	31	6	7	2	4BX8	4	33	6	2	2		30	6	7	2		
							32	6	2	2			33	6	7	2		4EW6	4	29	6	1	1	
3JC6	3	26	3	2	2	4AV6	4	40	6	1	1	4BZ6	4	31	6	1	1	4GJ7	4	24	3	2	2	
3JC6A	3	26	3	2	2		78	6	5	1		4BZ7	4	32	6	2	2		26	3	9	2		
3JD6	3	26	1	2	2		78	6	6	1			32	6	7	2		4GK5	4	25	1	2	1	
3KF8	3	38	6	7	2	4BA6	4	33	2	1	1	4BZ8	4	30	6	2	2		4GM6	4	30	6	1	1
3KT6	3	25	1	2	2	4BC5	4	35	2	1	1		30	6	7	2		4GS7	4	30	9	9	2	
3L35	3	*36	5	4	6	4BC8	4	33	6	2	2	4CB6	4	33	6	1	1		30	9	1	2		
*Normally shows short position 2-6.							33	6	7	2		4CE5	4	35	2	1	1	4GS8	4	33	6	7	2	

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
4GW5	4	25	2	6	1	4JC6	4	26	3	2	2	4R-HH2	4	27	6	2	2	5AT8	5	33	6	9	2
4GX6	4	25	6	1	1	4JC6A	4	26	3	2	2		27	6	7	2			35	6	1	2	
4GX7	4	26	3	2	2	4JD6	4	26	1	2	2	4R-HH8	4	86	6	1	2	5AU4	5	*43	6	4	3
		26	3	9	2	4JH6	4	25	6	1	1		90	6	6	2			*43	6	6	3	
4GZ5	4	26	2	5	1	4JK6	4	26	6	1	1	5AF4	5	*33	2	6	1	*Normally shows short position 8-11.					
4HA5	4	27	2	1	1	4JL6	4	26	6	1	1	*Normally shows short position 1-7.					5AV8	5	32	6	6	2	
4HA7	4	35	5	9	9	4KE8	4	26	6	2	2	5AF11	5	31	6	1	9		40	6	2	2	
		35	5	1	9		26	6	9	2			31	6	6	9		5AW4	5	*42	6	4	3
4HC7	4	*40	5	9	9	4KF8	4	33	6	7	2		35	6	3	9			*42	6	6	3	
		*40	5	1	9	4KN8	4	86	6	1	2	5AM8	5	30	6	2	2	*Normally shows short position 8-11.					
*Normally shows short position 7-10.							90	6	6	2			30	6	8	2		5AZ4	5	*53	6	4	4
4HG8	4	24	3	2	2	4KT6	4	25	1	2	2	5AN8	5	32	6	8	2		*53	6	6	4	
		25	1	6	2	4LJ8	4	*95	3	2	2		32	6	2	2		*Normally shows short position 2-11.					
4HK5	4	27	2	1	1		**93	3	7	2		5AQ5	5	35	1	7	1	5B8	5	*32	6	6	2
4HM5	4	27	2	1	1	*For grid emission turn C switch to						5AR4	5	*30	6	4	3		34	6	2	2	
4HM6	4	24	3	2	2	position 1.							*30	6	6	3	*Normally shows short position 1.						
4HQ5	4	29	2	1	1	**For grid emission turn C switch to						*Normally shows short position 8-11.					5BC3	5	40	6	5	11	
4HR8	4	35	2	9	2	position 9.						5AS4	5	*38	6	4	3		40	6	9	11	
4HS8	4	30	6	7	2	4LU6	4	30	6	1	1		*38	6	6	3		5BE8	5	*33	6	9	2
4HT6	4	28	3	2	2	4MK8	4	34	6	7	2	*Normally shows short position 8-11.						33	6	1	2		
3GY5-5BE8						4M-P12	4	34	6	1	1	5AS8	5	31	6	2	2	*Normally shows short position 3.					
						4M-P26	4	40	6	1	1		32	6	6	2							

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TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	O	Socket		
5BK7	5	32	6	2	2	5CM8	5	33	6	2	2	5ES8	5	30	6	2	2	5HA7	5	35	5	9	9		
		32	6	7	2			38	6	9	2			30	6	7	2			35	5	1	9		
5BQ5	5	33	1	2	2	5CQ8	5	33	6	2	2	5EU8	5	32	6	7	2	5HB7	5	27	1	2	2		
5BQ7	5	32	6	2	2			33	6	9	2			32	6	2	2			27	1	9	2		
		32	6	7	2	5CR8	5	*32	6	2	2	5EW6	5	29	6	1	1	5HC7	5	*35	5	9	9		
5BR8	5	32	6	9	2			*34	6	9	2	5FG7	5	27	3	9	2			*35	5	1	9		
		31	6	1	2	*Normally shows short position 8.								27	3	1	2	*Normally shows short position 7-10.							
5BS8	5	32	6	2	2	5CU4	5	*33	6	4	3	5FV8	5	30	6	9	2	5HG8	5	24	3	2	2		
		32	6	7	2			*33	6	6	3			31	6	1	2			25	1	6	2		
5BT8	5	33	6	8	2	*Normally shows short position 8-11.						5GH8	5	31	6	2	2	5HZ6	5	26	6	1	1		
		57	6	1	2	5CZ5	5	42	3	6	2			31	6	9	2			5J6	5	34	6	5	1
		57	6	2	2	5DB4	5	*40	6	4	3	5GH8A	5	31	6	2	2			34	6	6	1	1	
5BW8	5	33	2	6	2			*40	6	6	3			31	6	9	2	5JK6	5	26	6	1	1	1	
		34	8	1	2	*Normally shows short position 8-11.						5GJ7	5	24	3	2	2	5JL6	5	26	6	1	1	1	
		34	8	3	2	5DH8	5	*30	6	9	2			26	3	9	2	5KD8	5	30	6	2	2	2	
5BZ7	5	32	6	2	2			*32	6	1	2	5GM6	5	30	6	1	1			28	6	9	2	2	
		32	6	7	2	*Normally shows short position 3.						5GS7	5	30	9	9	2	5KE8	5	26	6	2	2	2	
5CG8	5	30	3	9	2	5EA8	5	30	6	2	2			30	9	1	2			26	6	9	2	2	
		32	3	1	2			31	6	9	2	5GX6	5	25	6	1	1	5KZ8	5	26	6	2	2	2	
5CL8	5	32	6	9	2	5EH8	5	31	1	7	2	5GX7	5	26	3	2	2			26	6	9	2	2	
		32	6	1	2			31	1	2	2			26	3	9	2								
5CM6	5	40	3	6	2																				

*Normal Shorts Refer to Position of "D" 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
5LJ8	5	*95	3	2	2	5R-DDH1	5	40	6	8	2	5U9	5	30	6	3	13	5Y3	5	*51	6	4	3
		**93	3	7	2			40	6	1	2			40	6	10	13			*51	6	6	3
*For grid emission turn C switch to position 1.						5RDDH1	5	40	6	6	2	5V3	5	*38	6	4	3	*Normally shows short position 8-11.					
**For grid emission turn C switch to position 9.								38	6	8	2			*38	6	6	3	5Y4	5	52	6	3	8
5MB8	5	27	6	9	2			32	6	6	2	*Normally shows short position 8-11.								52	6	5	8
5MF8	5	30	6	1	2	5R-HR1	5	35	6	2	2	5V4	5	*35	6	4	3	5Z4	5	*36	6	4	3
		35	7	7	9			38	6	9	2			*35	6	6	3			*36	6	6	3
		34	7	10	9	5R-K16	5	41	6	8	2	*Normally shows short position 8-11.						*Normally shows short position 8-11.					
5M-HH3	5	27	6	5	1			41	6	1	2	5V6	5	41	6	5	3	5Z10	5	*40	6	4	3
5MK9	5	27	6	6	1	5T4	5	*38	6	4	3	5V9	5	34	6	3	13			*40	6	6	3
5N1039A	6	45	7	5	1			*38	6	6	3			32	6	8	13	*Normally shows short position 8-11.					
5MQ8	5	33	2	1	1	*Normally shows short position 8-11.						5W4	5	*52	6	4	3	6A8	6	45	1	5	3
		30	6	2	2	5T8	5	43	6	8	2			*52	6	6	3	6AB4	6	30	6	6	1
		30	6	9	2			35	6	2	2	*Normally shows short position 8-11.						6AB7	6	35	1	4	3
5R4	5	*45	6	4	3			35	6	1	2	5X4	5	47	6	3	8	6AB8	6	37	6	9	2
		*45	6	6	3	5U4	5	35	6	6	2			47	6	5	8			44	6	2	2
*Normally shows short position 8-11.								35	6	6	2	5X8	5	30	6	7	2	6AC5	6	40	6	5	3
5BK7-6AC9								*40	6	4	3			32	6	2	2	6AC7	6	33	1	4	3
						*Normally shows short position 8-11.						5X9	5	32	6	3	13	6AC9	6	28	3	9	9
								*40	6	6	3			38	6	10	13			47	3	2	9
						5U8	5	33	6	2	2									35	2	3	9
								33	6	9	2												

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
6AC10	6	30	6	1	9	6AG11	6	28	6	8	9	6AK8	6	43	6	8	2	6AM8	6	30	6	2	2
		30	6	7	9			28	6	5	9			35	6	2	2			30	6	8	2
		30	6	9	9			34	6	10	9			35	6	1	2	6AN4	6	*30	2	6	1
6AD7	6	54	6	5	3			34	6	3	9	6AK9	6	35	6	6	2	*Normally shows short position 1-7.					
		62	6	1	3	6AH4	6	33	6	1	3			30	7	10	9	6AN5	6	33	2	1	1
6AD10	6	30	6	3	9	6AH6	6	32	6	1	1			40	7	3	9	6AN6	6	55	6	2	6
		33	6	8	9	6AH7	6	48	6	1	8			30	7	8	9			55	6	3	6
6AF3	6	32	2	9	2			48	6	5	8	6AK10	6	30	6	1	9			55	6	4	6
6AF4	6	*33	2	6	1	6AH9	6	37	5	2	9			30	6	7	9			55	6	5	6
*Normally shows short position 1-7.								30	5	6	9			30	6	9	9	6AN8	6	32	6	8	2
6AF9	6	30	8	1	13	6AJ5	6	36	2	1	1	6AL3*	6	27	7	3	7			32	6	2	2
		30	2	8	13	6AJ7	6	33	6	4	3	*If, no test, use alternate settings.						6AQ4	6	*29	7	1	1
6AF11	6	31	6	1	9	6AJ8	6	85	6	1	2	6AL3	6	27	3	7	7	*Normally shows short position 2-5.					
		31	6	6	9			38	6	9	2	6AL5	6	33	6	2	1	6AQ5	6	35	1	7	1
		35	6	3	9	6AJ9	6	29	6	3	13			33	6	7	1	6AQ6	6	40	6	1	1
6AG5	6	31	2	1	1			33	6	10	13	6AL9	6	30	6	5	9			82	6	5	1
6AG7	6	32	1	4	3	6AK5	6	33	2	1	1			28	6	1	9	6AQ7	6	82	6	6	1
6AG9	6	30	6	5	9	6AK6	6	43	6	1	1	6AL11	6	31	6	3	9			45	6	4	8
		28	6	1	9	6AK7	6	32	6	4	3			27	6	8	9			65	6	1	8
												6AM5	6	34	6	1	1			65	6	3	8
												6AM6	6	30	6	1	1	6AQ8	6	32	6	2	2
																				32	6	7	2

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
6AR5	6	47	6	1	1	6AU6	6	33	6	1	1	6AX7	6	42	10	2	2	6B10	6	43	6	3	9
6AR8	6	30	6	6	2	6AU7	6	40	10	2	2			42	10	7	2			43	6	5	9
6AR11	6	28	6	5	9			40	10	7	2	6AX8	6	33	6	2	2			34	6	8	9
		28	6	10	9	6AU8	6	31	6	7	2			33	6	9	2			34	6	10	9
6AS5	6	36	2	5	1			32	6	2	2	6AY3	6	30	8	2	10	6B31	6	33	6	2	1
6AS6	6	35	6	1	1	6AV5	6	33	6	1	3			30	8	2	10			33	6	7	1
6AS7	6	35	6	1	8	6AV6	6	40	6	1	1	6AY3B	6	30	6	5	9	6B32	6	33	6	2	1
		35	6	4	8			78	6	5	1	6AY11	6	30	6	8	9			33	6	7	1
6AS8	6	31	6	2	2			78	6	6	1			30	6	3	9	6BA3	6	36	8	2	10
		32	6	6	2	6AV11	6	35	6	1	9			30	6	10	9	6BA6	6	33	2	1	1
6AS11	6	27	6	1	9			35	6	7	9	6AZ8	6	32	6	6	2	6BA7	6	33	6	2	2
		34	6	6	9			35	6	9	9			36	6	9	2	6BA8	6	31	6	7	2
		34	6	3	9	6AW8	6	32	6	7	2	6B4	6	35	6	5	3			37	6	2	2
6AT6	6	39	6	1	1			33	6	2	2	6B6	6	37	6	10	3	6BA11	6	29	6	4	9
		72	6	5	1	6AX2	6	*99	1	10	7			58	6	4	3			37	6	9	9
		72	6	6	1	*Tube good if it reads 20 or more.								58	6	5	3	6B-B14♦	6	*33	2	1	10
6AT8	6	33	6	9	2	*Normally shows short position 6-11.						6B8	6	58	6	10	3	*Normally shows short position 3-6-7-8.					
		35	6	1	2	6AX3	6	34	4	10	9			75	6	4	3	6BC4	6	28	3	7	7
6AU4	6	33	1	5	8	6AX4	6	35	6	5	8			75	6	5	3	6BC5	6	35	2	1	1
6AU5	6	40	6	1	3	6AX5	6	53	6	3	3												
6AC10-6BC5								53	6	5	3												

♦ 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
6BC7	6	32	6	2	2	6BF6	6	50	6	1	1	6BJ7	6	33	6	2	2	6BL8	6	31	6	2	2
		32	6	6	2			78	6	5	1			33	6	6	2			34	6	9	2
		32	6	8	2			78	6	6	1			33	6	8	2	6BM8	6	33	6	3	2
6BC8	6	33	6	2	2	6BF8	6	32	6	1	2	6BJ8	6	38	6	8	2			39	6	1	2
		33	6	7	2			32	6	2	2			34	6	1	2	6BN4	6	*33	2	7	1
6BC32	6	40	6	1	1			32	6	3	2			34	6	6	2	*Normally shows short position 1-6.					
		67	6	5	1			32	6	7	2	6BK4△	6	87	7	5	3	6BN5	6	*39	1	2	2
		67	6	6	1			32	6	8	2	6BK4A△	6	87	7	5	3	*Normally shows short position 6-8.					
6BD5	6	33	6	1	3			32	6	9	2	6BK4B△	6	87	7	5	3	6BN6	6	99	6	5	1
6BD6	6	43	6	1	1	6BF11	6	25	6	3	9	6BK5	6	37	3	7	2	6BN8	6	35	6	8	2
6BD11	6	26	6	1	9			25	6	8	9	6BK6	6	39	6	1	1			35	6	1	2
		31	6	3	9	6BG6	6	40	6	5	3			78	6	5	1			35	6	6	2
		31	6	6	9	6BH3	6	30	8	2	10			78	6	6	1	6BN11	6	25	6	3	9
6BE3	6	26	4	10	9	6BH3A	6	30	8	2	10	6BK7	6	32	6	2	2			25	6	7	9
6BE6	6	35	6	1	1	6BH6	6	33	6	1	1			32	6	7	2	6BQ5	6	33	1	2	2
6BE7	6	33	3	7	2	6BH8	6	34	6	7	2	6BK11	6	42	6	1	9	6BQ6	6	35	6	5	3
6BE8	6	*33	6	9	2			33	6	2	2			42	6	7	9	6BQ7	6	32	6	2	2
		*33	6	1	2	6BH11	6	27	6	4	9			42	6	9	9			32	6	7	2
*Normally shows short position 3.								27	6	6	9	6BL4	6	31	1	5	8	6BR3	6	30	2	9	2
6BF5	6	39	1	7	1			27	6	8	9	6BL7	6	36	6	1	8	6BR8	6	32	6	9	2
						6BJ3	6	26	4	10	9			36	6	4	8			31	6	1	2
						6BJ6	6	34	6	1	1							6BS3	6	27	8	2	10

△Use TC-75 Adapter.

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
6BS3A	6	27	8	2	10	6BW4	6	50	6	1	2	6BZ6	6	31	6	1	1	6CB5	6	*35	4	5	3
6BS8	6	32	6	2	2			50	6	7	2	6BZ7	6	32	6	2	2	*Normally shows short position 1-3-6-8.					
		32	6	7	2	6BW6	6	50	2	1	2			32	6	7	2	6CB6	6	33	6	1	1
6BT6	6	39	6	1	1	6BW8	6	33	2	6	2	6BZ8	6	30	6	2	2	6CC10	6	44	6	1	8
		72	6	5	1			34	8	1	2			30	6	7	2						
		72	6	6	1	6BW11	6	34	8	3	2	6C4	6	41	1	6	1			44	6	4	8
6BT8	6	33	6	8	2			30	6	1	9	6C5	6	46	1	5	3	6CD3	6	*27	4	10	9
		57	6	1	2	6BX6	6	30	6	3	9	6C8	6	45	6	5	3	*Some tubes may show short position 5-6-8-9.					
		57	6	2	2	6BX7	6	33	1	2	2			45	6	10	3	6CD6	6	33	6	5	3
6BU6	6	50	6	1	1			36	6	1	8	6C9	6	28	7	1	2						
		78	6	5	1	6BX8	6	36	6	4	8			28	11	7	2	6CE3	6	27	4	10	9
		78	6	6	1			33	6	2	2	6C10	6	42	6	1	9	6CE5	6	35	2	1	1
6BU8	6	33	6	7	2	6BY5	5	33	6	7	2			42	6	7	9	6CF6	6	33	6	1	1
6BV8	6	31	6	2	2			38	6	4	3	6CA4	6	42	6	9	9	6CG3	6	26	4	10	9
		33	6	6	2	6BY6	6	38	6	5	3			34	6	1	2	6CG7	6	45	6	2	2
		33	6	9	2	6BY7	6	35	6	1	1			34	6	7	2			45	6	7	2
6BV11	6	27	6	6	9	6BY8	6	33	1	2	2	6CA5	6	32	2	5	1	6CG8		30	3	9	2
		27	6	7	9	6BY11	6	34	6	1	2	6CA7	6	35	6	5	3			32	3	1	2
6BW3	6	28	4	10	9			34	6	6	2	6CA11	6	35	9	3	9	6CH3	6	26	2	7	10
								32	6	3	9			33	9	6	9	6CH6	6	28	6	2	2
						6BZ3	6	32	6	8	9			33	8	8	9	6CH8	6	33	6	7	2
								28	4	10	9									36	6	8	2
6BC7-6CH8																							

6BC7-6CH8

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		
6CJ3	6	25	8	2	10	6CM8	6	33	6	2	2	6CU8	6	32	1	7	2	6D10	6	32	6	1	9		
6CJ6	6	*32	8	2	2			38	6	9	2				33	7	8	2			32	6	7	9	
*Normally shows short position 1-6-9.						6CN6	6	29	6	5	3	6CW4	6	*87	6	2	5				32	6	9	9	
6CK3	6	25	8	2	10	6CN7	6	44	10	7	2	*For grid emission turn C switch to position 4.						6DA4	6	33	6	5	8		
6CK4	6	34	1	3	3			33	10	2	2							6DA6	6	34	1	2	2		
6CK6	6	30	6	2	2	6CQ4	6	32	6	5	8	6CW5	6	*30	1	2	2			6	*38	3	6	2	
6CL3	6	27	2	7	10	6CQ6	6	35	6	1	1	*May show short position 6-7-8-9.								6	33	6	1	1	
6CL5	6	*35	4	5	3	6CQ8	6	33	6	2	2	6CW7	6	33	8	2	2			6	32	6	1	1	
*Normally shows short position 1-3-6-8.								33	6	9	2				33	8	6	2							
6CL6	6	*32	2	9	2	6CR6	6	39	6	7	1	6CX8	6	33	6	7	2			6	33	6	2	2	
*Normally shows short position 3-8.								72	6	2	1				34	6	2	2				72	6	7	2
6CL8	6	32	6	9	2	6CR8	6	*32	6	2	2	6CY5	6	35	2	1	1				72	6	8	2	
		32	6	1	2	*Normally shows short position 8.						6CY7	6	31	2	3	2			6	34	6	5	8	
6CM3	6	30	2	7	10	6CS6	6	35	6	1	1				45	2	7	2			6	30	6	1	1
6CM4	6	29	3	6	7	6CS7	6	34	6	3	2	6CZ5	6	42	3	6	2			6	33	2	3	2	
6CM5	6	*32	4	5	3			47	6	7	2	6D2	6	33	6	2	1				44	2	7	2	
*Normally shows short position 3-8.						6CT3	6	32	2	6	2				33	6	7	1			6	32	6	5	3
6CM6	6	40	3	6	2	6CU5	6	*33	2	5	1	6D4	6	43	6	1	1			6	31	6	2	2	
6CM7	6	40	6	7	2	*It may show short pin 1-11.						6D8	6	45	6	5	3				31	6	7	2	
		35	6	8	2	6CU6	6	35	6	5	3									6	33	6	1	1	

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
6DL3	6	27	2	7	10	6DR8	6	31	6	2	2	6DY4	6	*33	2	6	1	6EB5	6	52	6	2	1
6DL4	6	*85	7	8	2			72	6	7	2	*Normally shows short position 1-7.								52	6	7	1
*Normally shows short position 1-3-7-9.								72	6	8	2	6DY5	6	71	2	9	2	6EB8	6	33	6	7	2
6DL5	6	34	1	7	1	6DS4	6	*87	6	2	5	6DZ4	6	*31	7	2	1			34	6	2	2
6DM4	6	30	6	5	8	*For grid emission turn C switch to position 4.						*Normally shows short position 1-7.						6EC4■	6	26	2	5	8
6DN3	6	31	2	7	10	6DS5	6	33	1	7	1	6DZ7	6	40	6	1	3	6ED4◆	6	*54	6	8	10
6DN6	6	33	6	5	3	6DS8	6	30	6	2	2			40	6	5	3	*Normally shows short position 2-3-6-7-9.					
6DN7	6	36	6	1	8			34	6	9	2	6DZ8	6	30	6	3	2	6EF4*	6	82	7	4	9
		44	6	4	8	6DT3	6	30	4	10	9			37	6	1	2	*Insert a 2.7K 1W 5% resistor from pin hole No. 4 to No. 6 of socket No. 8, remove resistor after test is completed.					
6DQ4	6	32	6	5	8	6DT4	6	27	6	5	8	*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.					
6DQ5	6	*35	5	1	3	6DT5	6	*38	3	6	2	*Normally shows short position 1-2-5-9.						6EH4	6	*55	4	6	9
*Normally shows short position 3-4-6-8.						6DT6	6	33	6	1	1							*Normally shows short position 1-2-5-9.					
6DQ6	6	34	6	5	3	6DT8	6	30	6	2	2	6EA5	6	33	2	1	1	6EH5	6	30	2	5	1
6DQ6B	6	30	6	5	3			30	6	7	2	6EA7	6	35	6	1	8	6EH7	6	30	3	2	2
6DR4	6	51	1	6	1	6DW4	6	29	8	2	10			39	6	4	8	6EH8	6	31	1	7	2
6DR7	6	32	2	3	2	6DW5	6	33	3	6	2	*Normally shows short position 2-6.								31	1	2	2
		41	2	7	2	6DX4	6	*69	1	7	1							Use 6EF4 settings.					
6CJ3-6EJ4						6DX8	6	25	6	8	2	6EA8	6	30	6	2	2						
								25	6	1	2			31	6	9	2						

■ Use TC-62B Adapter.

Normal shorts refer to position of "C" switch.

◆ Use TC-80 Adapter

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
6EJ7	6	29	3	2	2	6EU8	6	32	6	7	2	6F40	6	39	2	9	2	6FQ5	6	33	1	2	1
6EL4Δ	6	87	7	5	3		32	6	2	2	2	6FA7	6	33	6	7	2	6FQ5A	6	31	1	2	1
6EM5	6	36	3	6	2	6EV5	6	33	2	1	1		80	6	3	2	2	6FQ7	6	36	6	2	2
6EM7	6	32	6	1	8	6EV7	6	34	6	2	2	6FC7	6	29	8	2	2		36	6	7	2	
		45	6	4	8		34	6	7	2	2		29	8	6	2	2	6FR7	6	25	2	3	2
6EN4	6	*50	7	5	3	6EW6	6	29	6	1	1	6FD6	6	29	6	1	1		35	2	7	2	
*Normally shows short position 1-3-4-8.						6EW7	6	31	2	3	2	6FD7	6	24	2	3	2	6FS5	6	27	2	1	1
*Tube good if it reads 40 or more.							45	2	7	2	2		38	2	7	2	2	6FV6	6	33	6	1	1
6EQ7	6	34	6	2	2	6EX6	6	33	6	5	3	6FE5	6	33	6	5	3	6FV8	6	30	6	9	2
		71	6	8	2	6EY6	6	35	6	5	3	6FG5	6	31	2	1	1		31	6	1	2	
6ER5	6	33	1	2	1	6EZ5	6	34	6	5	3	6FG7	6	27	3	9	2	6FW5	6	28	6	1	3
6ES5	6	33	1	2	1	6EZ8	6	33	6	2	2		27	3	1	2	2	6FW8	6	32	6	2	2
6ES8	6	30	6	2	2		33	6	7	2	2	6FH5	6	33	1	2	1		32	6	7	2	
		30	6	7	2		33	6	9	2	2	6FH8	6	32	6	6	2	6FY5	6	33	1	2	1
6ET6	6	30	6	1	1	6F5	6	40	1	10	3		32	6	2	2	2	6FY7	6	25	9	3	9
6ET7	6	30	6	7	2	6F6	6	54	1	5	3	6FJ7	6	36	6	3	9		43	9	10	9	
		82	6	2	2	6F8	6	45	6	5	3		44	6	10	9	9	6G6	6	45	6	5	3
		82	6	3	2		45	6	10	3	3	6FM7	6	25	3	8	9	6G11	6	36	6	3	9
6EU7○	6	52	3	2	2	6F10	6	33	6	4	3		36	3	10	9		30	6	8	8	9	
		52	3	8	2	6F31	6	33	2	1	1	6FM8	6	60	6	8	2	6G-B3A	6	27	6	5	3
Must use special 6EU7 adapter.						6F33	6	35	6	1	1		34	6	2	2	2	6GB5◆	6	*26	1	2	10
		34	6	6	2	6F36	6	32	6	1	1		34	6	6	2	2	*May show short position 3-6-7-8					

◆Use TC-80 Adapter

○Use TC1 Adapter

Normal shorts refer to position of "C" switch.

△Use TC-75 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
6G-B6	6	33	6	5	3	6GH8A	6	31	6	2	2	6GN8	6	33	6	7	2	6GW5	6	25	2	6	1
6G-B7	6	30	3	5	3			31	6	9	2			35	6	2	2	6GW6	6	30	6	5	3
6GC5	6	*33	3	6	2	6GJ5	6	*32	7	2	10	6GQ7	6	31	3	2	2	6GW8	6	26	6	8	2
*Normally shows short position 1-8.						6GJ5A	6	*32	7	2	10			31	3	6	2			30	6	1	2
6GC6	6	33	4	5	3									31	3	8	2	6GX6	6	25	6	1	1
6GD7	6	26	3	1	2	*Normally shows short position 1-7.						6GS7	6	30	9	9	2	6GX7	6	26	3	2	2
		24	3	9	2	6GJ7	6	24	3	2	2			30	9	1	2			26	3	9	2
6GE5	6	*27	3	1	9			26	3	9	2	6GS8	6	33	6	7	2	6GY5	6	*25	5	9	9
*Normally shows short position 4-10.						6GJ8	6	34	6	2	2	6GT5	6	*35	7	2	10	*Normally shows short position 1-3-4-7-10.					
6GE8	6	33	6	8	2			33	6	9	2	*Normally shows short position 1-7.											
		33	6	3	2	6GK5	6	25	1	2	1	6GT5A	6	*35	7	2	10	6GY6	6	27	6	1	1
6GF5	6	*27	3	1	9	6GK6	6	33	3	2	2	*Normally shows short position 1-7.						6GY8	6	*32	6	1	2
*Normally shows short position 4-10.						6G-K17	6	35	6	5	8	6GU5	6	27	2	1	1			*32	6	3	2
6GF7	6	28	6	2	10	6GL7	6	27	4	1	8	6GU7	6	31	6	2	2			*94	6	6	2
		43	6	9	10			41	6	4	8			31	6	7	2	*Normally shows short position 11.					
6GF7A	6	28	6	2	10	6GM5	6	26	6	6	2	6GV5	6	*26	10	5	9	6GZ5	6	28	2	5	1
		43	6	9	10	6GM6	6	30	6	1	1	*Normally shows short position 1-3-4-7-10.						6H6	6	48	1	3	3
6GH8	6	31	6	2	2	6GM8	6	33	6	2	2	6GV7	6	33	9	9	2			48	1	5	3
		31	6	9	2			33	6	7	2			30	9	7	2	6H31	6	35	6	1	1
						6GN7	6	*24	7	2	2	6GV8	6	29	6	9	2	6HA5	6	27	2	1	1
						*Normally shows short position 3-9.								29	6	2	2	6HA6	6	*27	3	2	2
																		*Normally shows short position 6-8.					

6EJ7-6HA6

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
6HB5	6	*25	1	3	9	6HF8	6	24	6	7	2	6HR6	6	24	6	1	1	6J5	6	42	1	5	3
*Normally shows short position 4-10.								25	6	2	2	6HS5	6	*26	2	1	9	6J6	6	34	6	5	1
6HB6	6	*25	3	2	2	6HG5	6	38	1	7	1	*Normally shows short position 3-10.								34	6	6	1
*Normally shows short position 6-8.						6HG8	6	24	3	2	2	6HS6	6	26	6	1	1	6J7	6	50	1	10	3
6HB7	6	27	1	2	2			25	1	6	2	6HS8	6	30	6	7	2	6J9	6	26	6	2	2
		27	1	9	2	6HJ5	6	*26	3	1	9	6HT5	6	*56	2	6	9			26	6	9	2
6HC8	6	36	6	3	2	*Normally shows short position 4-5-9-10.						*May show short 1-4-7-9.						6J10	6	99	6	6	9
		38	6	1	2	6HJ7	6	*82	1	7	2	6HT6	6	28	3	2	2			28	6	1	9
6HD5	6	*27	3	1	9			30	1	9	2	6HU6	6	*55	2	1	2	6J11	6	26	6	5	9
*Normally shows short position 4-5-9-10.						*For grid emission turn C switch to position 2.						*Normally shows short position 6-8.								26	6	1	9
6HD7	6	30	1	2	2	6HJ8	6	29	6	2	2	6HU8	6	29	6	2	2	6JA8	6	25	6	7	2
		30	1	9	2			31	6	8	2	6HV5	6	*32	2	1	9			99	6	3	2
6HE5	6	*32	10	2	9	6HK5	6	27	2	1	1	*Must show short position 3-10.						6JB5	6	*35	10	2	9
*Normally shows short position 1-3-4-10.						6HL5	6	30	2	7	2	*May show short position 5-6-8-9.						*Normally shows short position 1-3-4-10.					
6HE7	6	25	11	9	9	6HL8	6	32	9	2	2	6HW8	6	32	6	6	2	6JB6	6	*29	7	2	10
		27	11	2	9			36	6	9	2	6HZ5	6	*30	2	1	9	*Normally shows short position 1-7.					
6HF5	6	*25	10	5	9	6HM5	6	27	2	1	1	*Must show short position 3-10						6JB6A	6	*29	7	2	10
*Normally shows short position 1-3-4-6-8-10.						6HM6	6	24	3	2	2	*May show short position 5-6-8-9						*Normally shows short position 1-7.					
						6HQ5	6	29	2	1	1	6HZ6	6	26	6	1	1						
						6HR5	6	30	8	1	1	6HZ8	6	25	6	7	2						
														25	6	2	2						

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
6JC5	6	*35	10	2	9	6JF6	6	*26	2	6	10	6JN8	6	26	6	9	2	6JU8	6	*42	2	1	2
*Normally shows short position 1-3-4-10						*Normally shows short position 1-7.						26 6 1 2						**42 9 7 2					
6JC6	6	26	3	2	2	6JG5	6	32	6	7	2	6JQ6	6	*32	8	8	2	*Normally shows short position 8.					
6JC6A	6	26	3	2	2	6JG6	6	28	1	2	10	*Normally shows short position 2-3.						**Normally shows short position 2.					
6JC8	6	27	1	2	2	6JG6A	6	28	1	2	10	*55 6 6 2						6JU8A 6 *42 2 1 2					
6JD5	6	*30	2	1	9	6JH5	6	*30	2	1	9	*Normally shows short position 2-3-7-8.						**42 9 7 2					
*Must show short position 3-10						*Normally shows short position 3-7-8-10						6JR6	6	34	1	2	10	*Normally shows short position 8					
*May show short position 5-6-8-9						6JH6	6	25	6	1	1	6JS6	6	*29	10	5	9	**Normally shows short position 2					
6JD6	6	26	1	2	2	6JH8	6	32	6	6	2	*Normally shows short position 1-3-4-10.						6JV8	6	25	6	7	2
6JE6	6	*29	7	2	10	6JK5	6	*30	2	1	9	6JT6	6	34	1	2	10	33 6 2 2					
*Normally shows short position 1-7.						*Normally shows short position 3-7-8-10						6JT6A	6	34	1	2	10	6JW8	6	29	6	2	2
6JE6B	6	*29	7	2	10	6JK6	6	26	6	1	1	6JT8 6 25 2 7 2						34 6 9 2					
*Normally shows short position 1-7.						6JK8	6	30	6	2	2	6JU6 6 *27 7 2 10						33 6 9 2					
6JE6C	6	*29	7	2	10	31 6 7 2						*Normally shows short position 1-7.						6JY8	6	30	6	7	2
*Normally shows short position 1-7.						6JL6	6	26	6	1	1	6JT8 6 25 2 7 2						30 6 2 2					
6JE8	6	25	6	7	2	6JL8	6	35	6	2	2	6JU6 6 *27 7 2 10						6JZ6	6	27	10	5	9
26 6 2 2						6JM6	6	26	4	5	9	*Normally shows short position 1-7.						*Some tubes may show short position 1-3-4-10.					
6HB5-6K6						6JN6	6	27	4	1	9							6JZ8	6	29	7	7	9
																		40 7 10 9					
																		6K6	6	41	6	5	3

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		
6K7	6	52	1	10	3	6KM6	6	*27	2	6	10	6KU8	6	22	6	7	2	6L43	6	*32	2	9	2		
6K8	6	35	1	5	3	*Normally shows short position 1-7.							65	6	2	2		*Normally shows short position 3-8.							
6K11	6	35	6	1	9	6KM8	6	31	6	7	2			65	6	3	2	6LB6	6	*28	10	5	9		
		35	6	7	9			75	6	3	2	6KV6	6	28	1	2	10	Normally shows short position 1-3-4-10.							
		35	6	9	9	6KN6	6	*28	10	5	9	6KV8	6	27	6	7	2								
6KA8	6	26	6	6	2	*Normally shows short position 1-3-4-10.							34	6	2	2		6LB8	6	25	6	7	2		
		33	6	2	2	6KN8	6	86	6	1	2	6KW6◆	6	28	1	8	10				39	6	2	2	
6KD6	6	*25	10	5	9			90	6	6	2	6KY6	6	27	3	2	2		6LC6△	6	87	6	5	3	
*Normally shows short position 1-3-4-10.						6KR8	6	24	6	7	2	6KY8	6	30	6	2	10		6LC8	6	25	3	6	2	
													40	6	9	10					32	7	2	2	
6KD8	6	30	6	2	2			26	6	2	2	6KY8A	6	30	6	2	10		6LD6	6	*29	7	2	2	
		28	6	9	2	6KR8A	6	24	6	7	2			40	6	9	10	*Normally shows short position 3-9.							
6KE8	6	26	6	2	2			26	6	2	2	6KZ8	6	26	6	2	2		6LD12	6	43	6	8	2	
		26	6	9	2	6KS6	6	99	6	5	1			26	6	9	2					35	6	2	2
6KF8	6	38	6	7	2							6L5	6	53	6	5	3					35	6	1	2
						6KS8	6	*27	6	7	2	6L6	6	37	1	5	3					35	6	6	2
6KG6◆	6	*26	1	8	10			*31	6	2	2	6L7	6	44	1	10	3		6LE8	6	29	6	9	2	
*Normally shows short position 2-3-6-7.						*It may show short position 1-6.																			
6KL8	6	30	6	2	2	6KT6	6	25	1	2	2	6L10	6	32	6	4	3		6LF6	6	*31	5	9	9	
		77	6	8	2	6KT8	6	28	6	7	2	6L12	6	32	6	2	2	*May show short position 1-3-4-7-10.							
								28	6	2	2		32	6	7	2	2		6LF8	6	42	6	2	2	
												6L41	6	33	9	9	2					30	6	7	2

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

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket					
6LG6	6	*32	10	5	9	6LR6	6	*32	10	5	9	6M11	6	25	6	2	9	6MN8	6	33	8	8	9					
*May show short position 1-3-4-7-10.						*May show short position 1-3-4-7-10.																						
6LH6Δ	6	87	6	5	3	6LR8	6	27	6	2	10	6MB8	6	25	6	8	9	6M-P17	6	32	8	1	9					
6LJ6	6	*58	1	5	3	6LT8	6	29	6	9	10			27	6	9	2			35	7	1	1					
*Normally shows short position								26	8	9	2			30	6	1	2			35	1	7	1					
6LJ8	6	34.	*95	3	2	6LU6	6	30	1	6	2	6MD8	6	35	6	6	10	6MP20	6	30	6	1	1					
		**93						30	1	8	2			35	6	8	10			30	6	2	2					
		*For grid emission turn "C" switch to position 1.						30	6	1	1			35	6	9	10			30	6	9	2					
**For grid emission turn "C" switch to position 9.						6LU8	6	28	7	7	9	6ME8	6	30	6	6	2	6MU8	6	31	6	2	2					
6LM8	6	26	6	9	2			6MF8	6	31	7			10	9	35	7			7	9	31	6	9	2			
		31	6	2	2					6LV6	6			*31	5		9			9	6MG8		6	34	7	10	9	6MV8
6LN8	6	28	6	2	2	*May show short position 1-3-4-7-10						33	6	2	2	30	6	2	2									
						6LX6	6	*37	10	5	9	6M-HH3	6	33	6	9	2	6MY8	6	28	7	7	9					
														*Normally shows short position 1-3-4-7-10-11									27	6	5	1	31	7
						6LX8						6		29	6	2	2	6MJ8		6	27	6	6	1	6N3	6	29	6
6LQ6	6	*29	7	2	10		6LY8	6	34	6	9		2	35	8	1	9		47		1	4	3					
						6LQ8			6	26	6	7	2		34	6	8	10		9	37	6	2	2				
																									*Normally shows short position 1-7.			
6K7-6P5																		*Normally shows short position 1-7.										
																		6NK7GT	6	40	6	4	3					
																		6P5	6	48	6	5	3					

△ Use TC-75 Adapter

Normal shorts refer to position of "C" switch.

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

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	
6U6	6	36	6	5	3	6W4	6	32	6	5	8	6ZY5	6	43	6	3	3	7B6	6	40	4	3	4	
6U7	6	48	6	10	3	6W6	6	35	6	5	3			43	6	5	3			68	4	5	4	
6U8	6	33	6	2	2	6W7	6	50	6	10	3	7A4	6	41	6	6	4			68	4	6	4	
		33	6	9	2	6X4	6	44	6	1	1	7A5	6	34	6	6	4	7B7	6	45	6	6	4	
6U9	6	30	6	3	13			44	6	6	1	7A6	6	48	6	3	4	7B8	6	42	6	4	4	
		40	6	10	13	6X5	6	40	1	3	3			48	6	6	4			6	53	6	4	4
6U10	6	39	6	7	9			40	1	5	3	7A7	6	45	6	6	4			6	38	6	6	4
		25	6	9	9	6X6	6	48	6	3	3	7A8	6	40	6	4	4	7C5	6	50	4	3	4	
		39	6	1	9			48	6	5	3	7AD7	6	35	6	6	4	7C6	6	68	4	5	4	
6V3	6	31	6	7	7	6X8	6	30	6	7	2	7AF7	6	41	6	4	4			68	4	6	4	
								32	6	2	2			41	6	5	4	7C7	6	37	6	6	4	
6V4	6	40	6	1	2	6X9	6	32	6	3	13	7AG7	6	32	6	6	4	7DJ8	7	31	6	2	2	
		40	6	7	2			38	6	10	13	7AH7	6	32	6	6	4			31	6	7	2	
6V6	6	41	1	5	3	6Y6	6	36	6	5	3	7AK7	6	33	6	6	4	7E6	6	40	4	3	4	
6V8	6	40	6	6	2	6Y9	6	30	6	1	13	7AN7	7	33	8	2	2			69	4	5	4	
		32	6	2	2			30	6	8	13			33	8	6	2			69	4	6	4	
		32	6	7	2	6Y10	6	29	4	3	9	7AU7	7	40	10	2	2	7E7	6	47	6	6	4	
		61	6	9	2			29	4	8	9			40	10	7	2			68	6	3	4	
6V9	6	34	6	3	13	6Z10	6	30	6	1	9	7B4	6	40	6	6	4			68	6	4	4	
		32	6	8	13			95	6	6	9	7B5	6	52	6	6	4	7ES8	7	30	6	2	2	
6P15-7ES8						6Z31	6	44	6	1	1									30	6	7	2	
								44	6	6	1													

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
7EY6	7	35	6	5	3	7L7	6	36	6	6	4	8AC9	8	34	6	9	2	8B10	8	43	6	3	9
7F7	6	45	6	4	4	7M-P18	7	35	1	7	1			28	3	9	9			43	6	5	9
7FC7	7	45	6	5	4	7N7	6	42	6	4	4			47	3	2	9			34	6	8	9
		29	6	2	2			42	6	5	4	8AC10	8	35	2	3	9			34	6	10	9
7G7	6	29	2	6	2	7Q7	6	35	6	4	4			30	6	1	9	8BA8	8	31	6	7	2
7GS7	7	36	6	6	4	7R7	6	35	6	6	4			30	6	7	9			37	6	2	2
7GV7	7	30	9	9	2			72	6	3	4	8AL9	8	30	6	5	9	8BA11	8	29	6	4	9
		30	9	1	2	7S7	6	38	6	6	4			28	6	1	9			37	6	9	9
		33	9	9	2			52	6	4	4			30	6	5	9	8BH8	8	34	6	7	2
7H7	6	30	9	7	2	7V7	6	32	6	6	4	8AR11	8	28	6	5	9			33	6	2	2
7HG8	7	35	6	6	4	7W7	6	31	4	6	4			28	6	10	9	8BM11	8	29	6	6	9
		24	3	2	2	7X6	6	35	6	3	4	8AU8	8	31	6	7	2			29	6	1	9
		25	1	6	2	7X7	6	35	6	6	4			32	6	2	2	8BN8	8	35	6	8	2
7J7	6	35	6	6	4			43	6	3	4	8AV11	8	35	6	1	9			35	6	1	2
7K7	6	50	6	4	4			36	6	5	4			35	6	7	9			35	6	6	2
		45	6	4	4	7Y4	6	35	6	6	4			35	6	9	9	8BN11	8	25	6	3	9
		65	6	5	4			45	6	3	4	8AW8	8	32	6	7	2			25	6	7	9
		65	6	6	4	7Z4	6	45	6	6	4			33	6	2	2	8BQ5	8	33	1	2	2
7KY6	7	27	3	2	2			50	6	3	4	8B8	8	33	6	3	2	8BQ7	8	32	6	2	2
7KZ6	7	26	3	2	2	8A8	9	31	6	2	2			39	6	1	2			32	6	7	2
																		8BQ11	8	26	6	5	9
																				26	6	10	9

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
8BU11	8	28	6	8	9	8CU8	8	32	1	7	2	8GN8	8	33	6	7	2	8JU8A	8	*42	2	1	2
		28	6	4	9			33	7	8	2			35	6	2	2			**42	9	7	2
		28	6	6	9	8CX8	8	33	6	7	2	8GU7	8	31	6	2	2	*Normally shows short position 8					
8CB11	8	28	6	5	9			34	6	2	2			31	6	7	2	**Normally shows short position 2					
		28	6	10	9	8CY5	8	35	2	1	1	8GX7	8	26	3	2	2	8JV8	8	25	6	7	2
8CG7	8	45	6	2	2	8CY7	8	31	2	3	2			26	3	9	2			33	6	2	2
		45	6	7	2			45	2	7	2	8HA6	8	*27	3	2	2	8K11	8	35	6	1	9
8CH8	8	33	6	7	2	8DE7	8	33	2	3	2	*Normally shows short position 6-8.							35	6	7	9	
		36	6	8	2			44	2	7	2	8HG8	8	24	3	2	2	8KA8	8	35	6	9	9
8CL8	8	32	6	9	2	8DX8	8	25	6	8	2			24	3	2	2			26	6	6	2
		32	6	1	2			25	6	1	2	8JE8	8	25	1	6	2			33	6	2	2
8CM7	8	40	6	7	2	8EB8	8	33	6	7	2			25	6	7	2	8KR8	8	30	6	7	2
		35	6	8	2			34	6	2	2	8JK8	8	26	6	2	2			26	6	2	2
8CN7	8	44	10	7	2	8EM5	8	36	3	6	2			30	6	2	2	8KS8	8	*27	6	7	2
		33	10	1	2	8ET7	8	30	6	7	2			31	6	7	2			*31	6	2	2
		33	10	2	2			82	6	2	2	8JL8	8	35	6	2	2	*It may show short position 1-6					
8CS7	8	34	6	3	2			82	6	3	2			82	6	8	2	8KT8	8	28	6	7	2
		47	6	7	2	8FQ7	8	36	6	2	2	8JT8	8	25	2	7	2			28	6	2	2
8CW5	8	*30	1	2	2			36	6	7	2			34	6	2	2	8LC8	8	25	3	6	2
*May show short position 6-7-8-9.						8GJ7	8	24	3	2	2									32	7	2	2
7EY6-8LE8								26	3	9	2							8LE8	8	29	6	9	2
						8GM6	8	30	6	1	1												

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket		
8LT8	8	26	8	9	2	9AH9	9	37	5	2	9	9CL8	9	32	6	9	2	9KG6♦	9	*26	1	8	10		
		30	1	6	2			30	5	6	9			32	6	1	2	*Normally shows short position 2-3-6-7.							
		30	1	8	2	9AK8	9	43	6	8	2	9DZ8	9	30	6	3	2	9KV8	9	27	6	7	2		
8MD8	8	35	6	6	10			35	6	2	2			37	6	1	2	9KX6	9	27	3	2	2		
		35	6	8	10			35	6	1	2	9EA8	9	30	6	2	2	9KZ8	9	26	6	2	2		
		35	6	9	10			35	6	6	2			31	6	9	2			26	6	9	2		
8M-P12	8	34	6	1	1	9AK10	9	30	6	1	9	9ED4♦	9	*54	6	8	10	9LA6	9	30	3	2	2		
								30	6	7	9	*Normally shows short position 2-3-6-7-9.													
8MU8	8	31	6	2	2			30	6	9	9	9GH8A	9	31	6	2	2	9M-HH3	9	34	6	5	1		
		31	6	9	2	9AQ8	9	32	6	2	2			31	6	9	2			34	6	6	1		
8R-HP1	8	33	6	3	2			32	6	7	2	9GV8	9	29	6	9	2	9MN8	9	33	8	8	9		
		39	6	1	2	9AU7	9	40	10	2	2			29	6	2	2			33	8	10	9		
8RLP1	8	29	6	3	2			40	10	7	2	9HS6	9	26	6	1	1			33	8	1	9		
		36	6	1	2	9BJ11	9	26	6	1	9	9J6	9	34	6	5	1	9M-P12	9	44	6	1	1		
								26	6	6	9			34	6	6	1			9R-A6	9	35	6	7	7
8SN7	8	44	6	1	8	9BR7	9	32	10	2	2	9JW8	9	29	6	2	2	9R-AL1	9	52	2	7	2		
		44	6	4	8			37	10	6	2			34	6	9	2			35	2	3	2		
8U9	8	30	6	3	13			37	10	7	2	9KC6	9	27	6	2	2	9R-HR2	9	31	6	2	2		
		40	6	10	13	9BR8	9	32	6	9	2			90	6	9	2			31	6	9	2		
8X9	8	32	6	3	13			31	6	1	2							9U8	9	33	6	2	2		
		38	6	10	13	9CG8A	9	30	3	9	2									33	6	9	2		
9A8	9	31	6	2	2			32	3	1	2														
		34	6	9	2																				

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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
9V9		34	6	3	13	10DX8	10	25	6	8	2	10GF7A	10	28	6	2	10	10JT8	10	25	2	7	2
		32	6	8	13			25	6	1	2			43	6	9	10			34	6	2	2
9X8	9	30	6	7	2	10/E/312	25	34	6	5	3	10GH8	10	31	6	2	2	10JY8	11	26	6	7	2
		32	6	2	2	10/E/349	6	41	6	5	3			31	6	9	2			26	6	2	2
10AF11	10	31	6	1	9	10/E/558	6	52	6	10	3	10GK6	10	33	3	2	2	10KR8	10	24	6	7	2
		31	6	6	9	10/E/11448	6	42	6	5	3	10GM8	10	33	6	2	2			26	6	2	2
		35	6	3	9	10/E/11533	6	39	6	5	3			33	6	7	2	10KU8	10	22	6	7	2
10AL11	10	31	6	3	9	10/E/11581	6	40	6	10	3	10GN8	10	33	6	7	2			65	6	2	2
		27	6	8	9	10EB8	10	33	6	7	2			35	6	2	2			65	6	3	2
10BQ5	10	33	1	2	2			34	6	2	2	10GV8	10	29	6	9	2	10LD6	10	*29	7	2	2
10C8	10	32	6	8	2	10EG7	10	32	6	1	8			29	6	2	2	*Normally shows short position 3-9.					
		32	6	2	2			45	6	4	8	10HA6	10	*27	3	2	2	10LB8	10	25	6	7	2
10CW5	10	*30	1	2	2	10EM7	10	32	6	1	8	*Normally shows short position 6-8.							39	6	2	2	
*May show short position 6-7-8-9.								45	6	4	8							10LD12	10	43	6	8	2
10D2	19	33	6	2	1	10EW7	10	31	2	3	2	10HF8	10	24	6	7	2			35	6	2	2
		33	6	7	1			45	2	7	2			25	6	2	2			35	6	1	2
10DE7	10	33	2	3	2	10FD7	10	24	2	3	2	10JA5	10	*32	10	2	9			35	6	6	2
		44	2	7	2			38	2	7	2	*Normally shows short position 1-3-4-10					10LE8	10	29	6	9	2	
10DR7	10	32	2	3	2	10FR7	10	25	2	3	2	10JA8	10	25	6	7	2	10LW8	10	33	6	2	2
		41	2	7	2			35	2	7	2									27	6	7	2
8LT8-10LY8						10GF7	10	28	6	2	10			99	6	3	2	10LY8	10	26	6	7	2
								43	6	9	10												

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
10LZ8	10	34	6	2	2	11CA11	11	35	9	3	9	11LT8	11	26	8	9	2	12AE10	12	30	6	8	9
		29	6	7	2			33	9	6	9			30	1	6	2			31	6	3	9
10T10	10	33	6	3	9			33	9	8	9			30	1	8	2	12AF3	12	32	2	9	2
		27	6	8	9	11CF11	11	39	7	9	9	11MS8	11	29	6	9	2	12AF6	12	37	6	1	1
10Z10	10	30	6	1	9			33	6	1	9			29	6	2	2	12AF11	12	28	6	8	9
		95	6	6	9			33	6	5	9	11R3	11	30	2	9	2			28	6	5	9
11AF9	11	30	8	1	13	11CY7	11	31	2	3	2	11Y9	11	30	6	1	13			34	6	10	9
		30	2	8	13			45	2	7	2			30	6	8	13	12AG6	12	35	6	1	1
11AR11	11	28	6	5	9	11DS5	11	33	1	7	1	12A4	12	32	3	7	7	12AH7	12	48	6	1	8
		28	6	10	9	11FY7	11	25	9	3	9	12A6	12	45	6	5	3			48	6	5	8
11BM8	11	33	6	3	2			43	9	10	9	12A8	12	45	6	5	3	12AJ6	12	40	6	1	1
		39	6	1	2	11HM7	10	*25	7	2	2	12AB5	12	*42	3	6	2			66	6	5	1
11BN11	11	25	6	3	9	*Normally shows short position 3-9.						*Normally shows short position 1-8.								66	6	6	1
		25	6	7	9							12AC6	12	42	6	1	1	12AJ7	12	32	6	2	2
11BQ11	11	26	6	5	9	11JE8	11	25	6	7	2	12AD6	12	35	6	1	1			35	6	9	2
		26	6	10	9			26	6	2	2	12AD7	12	40	10	2	2	12AL5	12	33	6	2	1
11BT11	11	27	7	1	9	11KV8	11	27	6	7	2			40	10	7	2			33	6	7	1
		30	9	5	9			34	6	2	2	12AE6	12	52	6	1	1	12AL8	12	34	6	3	2
		26	9	3	9	11LQ8	11	26	6	7	2			66	6	5	1			52	6	8	2
11C5	11	38	2	5	1			26	6	2	2			66	6	6	1	12AL11	12	31	6	3	9
												12AE7	12	32	10	2	2			27	6	8	9
														32	10	7	2	12AQ5	12	35	1	7	1

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
12AS5	12	36	2	5	1	12AX4	12	35	6	5	8	12BE3	12	26	4	10	9	12BT6	12	39	6	1	1
12AT6	12	39	6	1	1	12AX7	12	42	10	2	2	12BE6	12	35	6	1	1			64	6	5	1
		72	6	5	1			42	10	7	2	12BF6	12	50	6	1	1			64	6	6	1
		72	6	6	1	12AY3	12	30	8	2	10			66	6	5	1	12BU6	12	50	6	1	1
12AT7	12	32	10	2	2	12AY3A	12	30	8	2	10			66	6	6	1			66	6	5	1
		32	10	7	2	12AY7	12	44	10	2	2	12BF11	12	25	6	3	9			66	6	6	1
12AU5	12	40	6	1	3			44	10	7	2			25	6	8	9	12BV7	12	*31	7	2	2
12AU6	12	33	6	1	1	12AZ7	12	33	10	2	2	12BH7	12	35	10	2	2	*Normally shows short position 3-9.					
12AU7	12	40	10	2	2			33	10	7	2	12BK5	12	35	10	7	2	12BV11	12	27	6	6	9
		40	10	7	2	12B4	12	35	3	7	7			37	3	7	2			27	6	7	9
12AU8	12	31	6	7	2	12B7	12	45	6	6	4	12BK6	12	39	6	1	1	12BW4	12	50	6	1	2
		32	6	2	2	12BA6	12	33	2	1	1			57	6	5	1			50	6	7	2
12AV5	12	33	6	1	3	12BA7	12	33	6	2	2			57	6	6	1	12BX6	12	33	1	2	2
12AV6	12	40	6	1	1	12BA11	12	28	6	4	9	12BL6	12	35	6	1	1	12BY7	12	*34	7	2	2
		78	6	5	1			36	6	9	9	12BN6	12	99	6	5	1	*Normally shows short position 3-9.					
		78	6	6	1	12B-B14◆	12	*33	2	1	10	12BQ6	12	35	6	5	3	12BZ6	12	31	6	1	1
12AV7	12	32	10	2	2	*Normally shows short position 3-6-7-8.						12BR3	12	30	2	9	2	12BZ7	12	35	10	2	2
		32	10	7	2							12BR7	12	32	10	2	2			35	10	7	2
12AW6	12	38	6	1	1	12BC32	12	40	6	1	1			36	10	6	2	12C5	12	35	2	5	1
12AX3	12	34	4	10	9			67	6	5	1			36	10	7	2	12C8	12	55	6	10	3
10LZ8-12C8								67	6	6	1	12BS3	12	27	8	2	10			65	6	4	3
						12BD6	12	43	6	1	1	12BT3	12	27	4	10	9			65	6	5	3

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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
12C8Y	12	55	6	10	3	12DE8	12	36	6	1	2	12DS7	12	34	6	3	2	12DW7	12	43	10	2	2
		65	6	4	3			34	6	3	2			*85	6	1	2			43	10	7	2
		65	6	5	3	12DF5	12	52	10	1	2			*85	6	9	2	12DW8	12	32	6	2	2
12CA5	12	32	2	5	1			52	10	6	2	*Tube good if it reads 20 or more.								32	6	7	2
12CK3	12	25	8	2	10	12DF7	12	40	10	2	2	12DT5	12	*38	3	6	2			32	6	7	2
12CL3	12	27	2	7	10			40	10	7	2	*Normally shows short position 7-11								44	6	9	2
12CM6	12	40	3	6	2	12DJ8	12	31	6	2	2	12DT6	12	33	6	1	1	12DY8	12	30	6	1	2
12CN5	12	33	2	5	1			31	6	7	2	12DT7	12	41	10	2	2			35	6	9	2
12CR6	12	39	6	7	1	12DK6	12	33	6	1	1			41	10	7	2	12DZ6	12	33	6	1	1
		61	6	2	1	12DK7	12	33	9	1	2	12DT8	12	30	6	2	2	12DZ8	12	30	6	3	2
12CS6	12	35	6	1	1			80	9	6	2			30	6	7	2			37	6	1	2
12CT3	12	32	2	6	2			80	9	9	2	12DU7	12	31	6	1	2	12E5	12	48	6	5	3
12CT8	12	35	6	8	2	12DL8	12	35	6	3	2			77	6	7	2	12EA6	12	32	6	1	1
		37	6	2	2			65	6	9	2			77	6	9	2	12EC8	12	30	6	9	2
12CU5	12	*33	2	5	1			65	6	1	2	12DV7	12	49	10	7	2			32	6	1	2
*It may show short pin 1-11.						12DM4	12	30	6	5	8			78	10	2	2	12ED5	12	32	2	5	1
12CU6	12	35	6	5	3	12DQ4	12	32	6	5	8			78	10	3	2	12EG6	12	36	6	1	1
12CX6	12	30	6	1	1	12DQ6	12	34	6	5	3	12DV8	12	35	6	3	2			32	6	1	2
12D4	12	33	6	5	8	12DQ6B	12	30	6	5	3			58	6	9	2	12EH5	12	30	2	5	1
12DA6	12	34	1	2	2	12DQ7	12	*32	7	2	2			58	6	1	2	12EK6	12	31	6	1	1
12DB5	12	*38	3	6	2	*Normally shows short position 3-9.						12DW4A	12	29	8	2	10	12EL6	12	38	6	1	1
*Normally shows short position 2-7.												12DW5	12	33	3	6	2			68	6	5	1
																				68	6	6	1

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
12EM6	12	34	6	1	2	12FQ8	12	39	6	2	2	12G-B7	12	33	6	5	3	12H31	12	35	6	1	1
		90	6	9	2			39	6	7	2	12GC5	12	*33	3	6	2	12HB25◆	12	*33	2	1	10
12EN6	12	33	6	5	3	12FR8	12	*25	6	3	2	*Normally shows short position 1-8.						12HE7	12	25	11	9	9
12EQ7	12	34	6	2	2			*37	6	1	2								12	27	11	2	9
		71	6	8	2			*62	6	8	2	12GC6	12	33	4	5	3						
12EZ6	12	32	6	1	1	*Normally shows short position 11.						12GE5	12	*27	3	1	9	12HG7	12	*27	7	2	2
						12FS5	12	27	2	1	1	*Normally shows short position 4-10.						*Normally shows short position 3-9.					
12F5	12	40	6	10	3	12FT6	12	52	6	1	1	12GJ5	12	*32	7	2	10	12HL5	12	30	2	7	2
12F8	12	40	6	8	2			66	6	5	1	*Normally shows short position 1-7.						12HL7	12	28	7	2	2
		62	6	1	2			66	6	6	1	12G-K17	12	35	6	5	8	*Normally shows short position 3-9.					
		62	6	6	2	12FV7	12	35	10	2	2	12GN7	12	*24	7	2	2	12HU8	12	29	6	2	2
12F31	12	33	2	1	1			35	10	7	2	*Normally shows short position 3-9.								29	6	6	2
12FK6	12	40	6	1	1	12FX5	12	32	2	5	1	12GT5	12	*35	7	2	10	12J5	12	42	6	5	3
		65	6	5	1	12FX8	12	32	6	2	2	*Normally shows short position 1-7.						12J7	12	50	6	10	3
		65	6	6	1			28	6	6	2	12GT5A	12	*35	7	2	10	12J8	12	30	6	1	2
12FM6	12	35	6	1	1	12FX8A	12	30	6	2	2	*Normally shows short position 1-7.								35	6	8	2
		68	6	5	1			25	6	6	2	12GV5	12	*26	10	5	9			35	6	9	2
		68	6	6	1	12G4	12	41	1	6	1	*Normally shows short position 1-3-4-7-10.						12JB6	12	*29	7	2	10
12FQ7	12	36	6	2	2	12G11	12	36	6	3	9							*Normally shows short position 1-7.					
		36	6	7	2			30	6	8	9	12GW6	12	30	6	5	3						
12C8Y-12JB6A						12GA6	12	36	6	1	1	12H6	12	48	6	3	3	12JB6A	12	*29	7	2	10
						12G-B3A	12	27	6	5	3			48	6	5	3	*Normally shows short position 1-7.					

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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
12JF5	12	*34	3	1	9	12KL8	12	30	6	2	2	12SF5	12	48	6	4	8	12SW7	12	52	6	2	8
*Normally shows short position 4-10								77	6	8	2			41	6	3	8			70	6	4	8
12JM6	12	26	4	5	9	12L6	12	34	6	5	3	12SF7	12	46	6	2	8			70	6	5	8
12JN6	12	27	4	1	9									69	6	5	8	12SX7	12	44	6	1	8
12JN8	12	26	6	9	2	12MD8	12	35	6	6	10	12SG7	12	34	5	4	3			44	6	4	8
		26	6	1	2			35	6	8	10							12SY7	12	39	6	5	3
12JQ6	12	*35	8	8	2			35	6	9	10	12SH7	12	33	5	4	3	12T10	12	33	6	3	9
		*58	8	6	2	12NK7GT	12	44	6	1	8	12SJ7	12	35	6	4	3			27	6	8	9
*May show short position 2-3.								44	6	4	8	12SK7	12	40	6	4	3	12U7	12	40	10	2	2
12JS6	12	*29	10	5	9	12Q7	12	40	6	10	3	12SL7	12	43	6	1	8			40	10	7	2
*Normally shows short position 1-3-4-10.								63	6	4	3			43	6	4	8	12V6	12	41	6	5	3
								63	6	5	3	12SN7	12	44	6	1	8	12W6	12	35	6	5	3
12JT6	12	34	1	2	10	12R5	12	39	2	5	1			44	6	4	8	12X4	12	44	6	1	1
12JT6A	12	34	1	2	10	12R-K19	12	30	2	9	2	12SQ7	12	42	6	2	8			44	6	6	1
12JZ8	12	29	7	7	9	12R-LL5	12	36	6	2	2			82	6	4	8	13CM5	12	*25	9	5	3
		40	7	10	9			36	6	7	2			82	6	5	8	*Normally shows short position 1-4.					
12K5	12	35	5	6	1	12S8	12	45	5	10	8	12SR7	12	46	6	2	8	13CW4	13	*87	6	2	5
								62	5	1	8			68	6	4	8	*For grid emission turn C switch					
12K7	12	52	6	10	3			62	5	4	8			68	6	5	8	to position 4.					
12K8	12	35	6	5	3			63	2	3	8	12SS7	12	46	6	4	3	13D1	25	44	6	1	8
																				44	6	4	8
12KA8	12	26	6	6	2	12SA7	12	37	6	5	3												
		33	6	2	2	12SC7	12	48	6	3	8												

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
13DE7	12	33	2	3	2	13GF7A	13	28	6	2	10	14BF11	14	25	6	3	9	14GT8	14	52	6	8	2
		44	2	7	2			43	6	9	10			25	6	8	9			35	6	2	2
13DF7	13	40	10	2	2	13J10	13	99	6	6	9	14BL11	14	29	6	1	9			35	6	6	2
		40	10	7	2			28	6	1	9			29	6	3	9	14GW8	14	26	6	8	2
13DR7	12	32	2	3	2	13JT8	13	25	2	7	2			29	6	5	9			30	6	1	2
		41	2	7	2			34	6	2	2	14BQ11	14	26	6	5	9	14H7	12	35	6	6	4
13EM7	12	32	6	1	8	13JZ8	13	29	7	7	9			26	6	10	9	14J7	12	35	6	6	4
		45	6	4	8			40	7	10	9	14BR11	14	29	6	2	9			50	6	4	4
13FD7	12	24	2	3	2	13SJ7	12	35	6	4	3			32	6	8	9	14JG8	14	45	6	8	2
		38	2	7	2	13V10	13	38	6	3	9			36	6	10	9			32	6	2	2
13FG7	13	27	3	9	2			32	6	8	9	14C5	12	38	6	6	4			32	6	6	2
		27	3	1	2	13Z10	13	30	6	1	9	14C7	12	37	6	6	4	14N7	12	42	6	4	4
13FM7	13	25	3	8	9			95	6	6	9	14E6	12	40	4	3	4			42	6	5	4
		36	3	10	9	14A4	12	41	6	6	4			69	4	5	4	14Q7	12	35	6	4	4
13FR7	12	25	2	3	2	14A5	12	34	6	6	4			69	4	6	4	14R7	12	35	6	6	4
		35	2	7	2	14A7	12	45	6	6	4	14E7	12	47	6	6	4			72	6	3	4
13GB5♦	13	*26	1	2	10	14AF7	12	41	6	4	4			68	6	3	4			72	6	4	4
*May show short position 3-6-7-8.						14B6	12	40	4	3	4			68	6	4	4	14S7	12	38	6	6	4
13GF7	13	28	6	2	10			68	4	5	4	14F7	12	45	6	4	4			52	6	4	4
		43	6	9	10			68	4	6	4			45	6	5	4	14V7	12	32	6	6	4
12JF5-14W7						14B8	12	42	6	4	4							14W7	12	31	4	6	4

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Normal shorts refer to position of "C" switch.

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
14X7	12	43	6	3	4	15EA7	15	35	6	1	8	15LE8	15	29	6	9	2	16CL8	16	32	6	9	2
		36	6	5	4			39	6	4	8	15MF8	15	35	7	7	9			32	6	1	2
		35	6	6	4	15EW6	15	29	6	1	1			34	7	10	9	16GK6	16	33	3	2	2
14Y4	12	45	6	3	4	15EW7	15	31	2	3	2		*Normally shows short					16GY5	16	*25	5	9	9
		45	6	6	4			45	2	7	2	15MX8	15	30	6	2	10	*Normally shows short position					
15A6	15	30	6	2	2	15FM7	15	25	3	8	9			40	6	9	10			1-3-4-7-10.			
								36	3	10	9	16A5	16	71	2	9	2	16HB5	16	*25	1	3	9
15A8	15	36	6	4	3	15FY7	15	25	9	3	9	16A8	16	33	6	3	2	*Normally shows short position 4-10.					
		40	6	3	3			42	9	10	9			39	6	1	2	16K11	16	35	6	1	9
15AF11	15	31	6	1	9	15GY5	15	*25	5	9	9	16AK9	16	30	7	10	9			35	6	7	9
		31	6	6	9	*Normally shows short position								40	7	3	9			35	6	9	9
		35	6	3	9	1-3-4-7-10.								30	7	8	9	16KA6	16	*26	10	5	9
15BD11	15	26	6	1	9	15HA6	15	*27	3	2	2	16AQ3*	16	30	7	3	7	*May show short position 1-3-4-7-10.					
		31	6	3	9	*Normally shows short position 6-8.						*If no test, use alternate settings.						16LD6	16	*29	7	2	2
		31	6	6	9	15HB6	15	*25	3	2	2	16AQ3	16	30	3	7	7	*Normally shows short position 3-9.					
15BD11A	15	26	6	1	9	*Normally shows short position 6-8.						16BQ11	16	26	6	5	9	16LU8	16	28	7	7	9
		31	6	3	9									26	6	10	9			31	7	10	9
		31	6	6	9	15KY8	15	30	6	2	10	16BX11	16	32	6	2	9	16MY8	16	28	7	7	9
15CW5	15	*30	1	2	2			40	6	9	10			31	6	5	9			31	7	10	9
*May show short position 6-7-8-9.						15KY8A	15	30	6	2	10	16C-B28	16	*30	5	9	9	16Y9	16	30	6	1	13
15DQ8	15	25	6	8	2			40	6	9	10	*Normally shows short position								30	6	8	13
		25	6	1	2							1-3-4-10.											

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
17A8	17	31	6	2	2			25	6	8	9	17D4	17	33	6	5	8	17GV5	17	*26	10	5	9
		34	6	9	2	17BH3	17	30	8	2	10	17DE4	17	34	6	5	8	*Normally shows short position 1-3-4-7-10.					
17AB10	17	29	6	1	9	17BH3A	17	30	8	2	10	17DM4	17	30	6	5	8	17GW6	17	30	6	5	3
		95	6	6	9	17BJ6	17	34	6	1	1	17DQ4	17	32	6	5	8	17GY5	17	*25	5	9	9
17AF3	17	32	2	9	2	17BQ6	17	35	6	5	3	17DQ6	17	34	6	5	3	*Normally shows short position 1-3-4-7-10.					
17AV5	17	33	6	1	3	17BR3	17	30	2	9	2	17DQ6B	17	30	6	5	3	17H3	17	36	3	8	2
17AX3	17	34	4	10	9	17BS3	17	27	8	2	10	17DW4A	17	29	8	2	10	17H-B25◆	17	*33	2	1	10
17AX4	17	35	6	5	8	17BW3	17	28	4	10	9	17EW8	17	32	6	2	2	*Normally shows short position 3-6-7-8.					
17AY3	17	30	8	2	10	17BZ3	17	28	4	10	9		32	6	7	2		17HC8	17	36	6	3	2
17AY3B	17	30	8	2	10	17C5	17	*34	2	5	1	17FY7	17	25	9	3	9			38	6	1	2
17B-B14◆	17	*33	2	1	10	*Normally shows short position 1-11.							42	9	10	9		17HG8	17	24	3	2	2
*Normally shows short position 3-6-7-8.						17C8	17	33	6	2	2	17GE5	17	*27	3	1	9	*Normally shows short position 4-10.					
								65	6	7	2									25	1	6	2
17BD11	17	26	6	1	9			65	6	8	2	17GJ5	17	*32	7	2	10	*Normally shows short position 1-7.					
		31	6	3	9	17C9	17	28	7	1	2	*Normally shows short position 1-7.					17JB6	17	*29	7	2	10	
								28	11	7	2	17GJ5A	17	*32	7	2	10	*Normally shows short position 1-7.					
17BE3	17	26	4	10	9	17CA5	17	32	2	5	1	*Normally shows short position 1-7.					17JB6A	17	*29	7	2	10	
17BF11	17	25	6	3	9	17CK3	17	25	8	2	10	17GT5	17	*35	7	2	10	*Normally shows short position 1-7.					
		25	6	8	9	17CL3	17	27	2	7	10	*Normally shows short position 1-7.					17JF6	17	*26	2	6	10	
17BF11A	17	25	6	3	9	17CQ4	17	32	6	5	8	17GT5A	17	*35	7	2	10	*Normally shows short position 1-7.					
14X7-17JF6						17CT3	17	32	2	6	2	*Normally shows short position 1-7.											
						17CU5	17	32	2	5	1							*Normally shows short position 1-7.					

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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
17JG6	17	28	1	2	10	17R5	17	39	2	5	1	18GB5♦	18	*26	1	2	10	19C8	19	43	6	8	2
17JG6A	17	28	1	2	10	17W6	17	33	6	5	3	*May show short position 3-6-7-8.								37	6	1	2
17JK8	17	30	6	2	2	17X10	17	98	6	6	9	18GD6	18	34	6	1	1			37	6	6	2
		31	6	7	2			28	6	1	9	18GE6	18	37	6	1	1			37	6	2	2
17JM6	17	26	4	5	9	17Y9	17	30	6	1	13	18GV5	18	*26	10	5	9	19CL8-A	19	32	6	9	2
17JN6	17	27	4	1	9			30	6	8	13	*Normally shows short position 1-3-4-7-10.								32	6	1	2
17JQ6	17	*35	8	8	2	17Z3*	17	30	2	9	2	18GV8	18	29	6	9	2	19CG3	19	26	4	10	9
		58	8	6	2	*If no test—use alternate settings.							29	6	2	2	19D8	19	32	6	2	2	
*May show short position 2-3.						17	30	3	9	2		18HB8	18	36	6	9	2	19DE7	19	33	2	3	2
17JR6	17	34	1	2	10	18A5	18	34	6	1	3			33	6	1	2			44	2	7	2
17JS6	17	*29	10	5	9	18AJ10	18	32	4	3	9	18J6	18	34	6	5	1	19EA8	19	30	6	2	2
*Normally shows short position 1-3-4-10.								33	4	8	9		34	6	6	1			31	6	9	2	
17JT6	17	34	1	2	10	18AK5	18	33	2	1	1	18R-AL1	18	52	2	7	2	19EW7	19	31	2	3	2
17JT6A	17	34	1	2	10	18AQ5	18	35	1	7	1		35	2	3	2			45	2	7	2	
17JZ8	17	29	7	7	9	18DZ8	18	30	6	3	2	19AJ8	19	85	6	1	2	19EZ8	19	33	6	2	2
		40	7	10	9			37	6	1	2		38	6	9	2			33	6	7	2	
17KV6	17	28	1	2	10	18FW6	18	33	6	1	1	19AQ5	19	35	1	7	1			33	6	9	2
17KW6♦	17	28	1	8	10	18FX6	18	34	6	1	1	19AU4	19	33	1	5	8	19FX5	19	32	2	5	1
17L6	17	34	6	5	3	18FY6	18	38	6	1	1	19BG6	19	36	6	5	3	19GQ7	19	31	3	2	2
17LD8	17	30	6	2	10			74	6	5	1	19BX6	19	33	1	2	2			31	3	6	2
		46	6	9	10			74	6	6	1	19BY7	19	33	1	2	2			31	3	8	2

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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		
19GY5	19	*25	5	9	9	19T8	19	43	6	8	2	20LF6	20	*31	5	9	9	21JV6	21	26	4	1	9		
*Normally shows short position 1-3-4-7-10.								35	6	2	2	*May show short position 1-3-4-7-10.						21JZ6	21	*27	10	5	9		
19HR6	19	24	6	1	1			35	6	1	2	21A6	19	*32	8	2	2	*Some tubes may show short position 1-3-4-10.							
19HS6	19	26	6	1	1	19V8	19	40	6	6	2	*Normally shows short position 1-6-9.						21KA6	21	*26	10	5	9		
19HV8	19	35	6	1	2			32	6	2	2	21EX6	22	33	6	5	3	*May show short position 3-4-7-11.							
		28	6	9	2			32	6	7	2	21GY5	21	*25	5	9	9	21KQ6	21	*25	1	8	10		
19J6	19	34	6	5	1			61	6	9	2	*Normally shows short position 1-3-4-7-10.						*Normally shows short position 2-3-6-7.							
		34	6	6	1	19X3	19	29	6	9	2	21HB5	21	*25	1	3	9								
19JC6	19	26	3	2	2	19X8	19	30	6	7	2	*Normally shows short position 4-10.						21LG6	21	*32	10	5	9		
19JN8	19	26	6	9	2			32	6	2	2	21HD5	21	*27	3	1	9	*May show short position 1-3-4-7-10.							
		26	6	1	2	19Y3	19	29	6	9	2	*Normally shows short position 4-5-9-10.						21LR8	21	27	6	2	10		
19KF6	19	33	1	7	10	20AQ3*	20	27	7	3	7	21HJ5	21	*26	3	1	9			29	6	9	10		
19KG8	19	24	6	9	2	*If no test, use alternate settings.						*Normally shows short position 1-3-4-7-10.						21LU8	21	28	7	7	9		
		24	6	2	2	20AQ3	20	27	3	7	7	*Normally shows short position 1-3-4-7-10.								31	7	10	9		
19MR9	19	35	6	1	1	20D1	9	33	6	2	1	21JS6	21	*29	10	5	9	21MY8	21	28	7	7	9		
19Q9	19	25	6	1	2			33	6	7	1	*Normally shows short position 1-3-4-7-10.						22AL3*	22	27	7	3	7		
		25	6	8	2	20EQ7	19	34	6	2	2									31	7	10	9		
								71	6	8	2														
						20EW7	20	31	2	3	2														
								45	2	7	2									*If no test, use alternate settings.					
17JG6-22AL3																				22AL3	22	27	3	7	7

17JG6-22AL3

◆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	TYPE TUBE	Heater	A	B	C	Socket
22BH3	22	30	8	2	10	23Z9	23	30	7	10	9	25C6	25	36	6	5	3	25GE5	25	*27	3	1	9
22BH3A	22	30	8	2	10			39	7	3	9	25CA5	25	32	2	5	1	*Normally shows short position 4-10.					
								28	7	8	9	25CD6	25	33	6	5	3	25HX5♦	25	*30	1	7	10
22BW3	22	28	4	10	9	24AX4	24	35	6	5	8	25CG3	25	26	4	10	9	*Normally shows short position 2-3.					
22DE4	22	34	6	5	8	24BF11	24	25	6	3	9	25CK3	25	30	8	2	10	25JQ6	25	*35	8	8	2
22JG6	22	28	1	2	10			25	6	8	9	25CM3	25	30	2	7	10	58 8 6 2					
22JG6A	22	28	1	2	10	24JE6A	24	*29	7	2	10	25CT3	25	32	2	6	2	*May show short position 2-3.					
22JF6	22	*26	2	6	10	*Normally shows short position 1-7.					24JZ8	24	29	7	7	9	25JZ8	25	29	7	7	9	
*Normally shows short position 1-7.								40	7	10	9	25D4	25	33	6	5	8			40	7	10	9
22JU6	22	*27	7	2	10	24LQ6	24	*29	7	2	10	25DK4	25	28	7	5	1	25L6	25	34	6	5	3
*Normally shows short position 1-7.						*Normally shows short position 1-7.					25DL3	25	27	2	7	10	25R-K19	25	30	2	9	2	
22JR6	22	34	1	2	10	25A6	25	*50	6	5	3	25DN6	25	32	6	5	3	25SN7	25	44	6	1	8
22KM6	22	*27	2	6	10	*Normally shows short position 8-11.					25DQ6	25	34	6	5	3	25W4	25	32	6	5	8	
*Normally shows short position 1-7.						25AU4	25	33	6	5	8	25DT5	25	*38	3	6	2	44 6 4 8					
22KV6	22	28	1	2	10	25AV5	25	33	6	1	3	*Normally shows short position 7-11.					25W6	25	35	6	5	3	
23JS6	23	*29	10	5	9	25AX4	25	35	6	5	8	25E5	25	27	6	5	3	25Z6	25	34	6	3	3
*Normally shows short position 1-3-4-7-10.						25B6	25	40	6	5	3	25EC6	25	32	6	5	3			34	6	5	3
23JS6A	23	*29	10	5	9	25BK5	25	37	3	7	2	*Normally shows short position 1-11.					26A6	25	34	6	1	1	
*Normally shows short position 1-3-4-10.						25BQ6	25	35	6	5	3	25F5	25	38	2	5	1	26AQ8	26	32	6	2	2
						25BR3	25	30	2	9	2	25F5A	25	38	2	5	1			32	6	7	2
						25C5	25	33	2	5	1	25GB6	25	33	6	5	3						

♦Use TC-80 Adapter

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
26BK6	25	39	6	1	1	27KG6◆	*26	1	8	10		30A5	29	27	5	2	1	30KD6	30	*25	10	5	9
		57	6	5	1	*Normally shows short position 2-3-6-7.						30AE3*	30	27	7	3	7	*Normally shows short position 1-3-4-10.					
26C6	25	50	6	1	1	27LF6	27	*31	5	9	9	30AE3	30	27	3	7	7	30KG6◆	30	*26	1	8	10
		68	6	5	1	*May show short position 1-3-4-7-10						30AG11	30	28	6	8	9	*Normally shows short position 2-3-6-7.					
26D6	25	36	6	1	1	28D7	30	40	6	2	4			28	6	5	9	30L1	7	33	8	2	2
26DQ5	26	*35	5	1	3			40	6	7	4			34	6	10	9			33	8	6	2
*Normally shows short pos. 3-4-6-8.						28EC4■	28	26	2	5	8	30C1	9	31	6	2	2	30M-P23	30	30	5	2	1
26HU5	26	*28	1	5	8	28GB5◆	28	*26	1	2	10			34	6	9	2	30M-P27	30	30	5	2	1
*Ignore glow on 2-6.						*May show short position 3-6-7-8.						30CW5	30	*30	1	2	2	30P16	16	71	2	9	2
26JG6	26	28	1	2	10	28HA6	28	*27	3	2	2	*May show short position 6-7-8-9.						31AL10	31	38	7	1	9
26LX6	26	*37	10	5	9	*Normally shows short position 6-8.						30HD5	30	*27	3	1	9			51	7	3	9
*Normally shows short position 1-3-4-7-10-11.						28HD5	28	*27	3	1	9	*Normally shows short position 4-5-9-10.								33	7	8	9
26Z5	26	45	10	1	2			4-5-9-10.				30HJ5	30	*26	3	1	9	31JS6A	31	*29	10	5	9
		45	10	6	2	29GK6	29	33	3	2	2	*Normally shows short position 4-5-9-10.						*Normally shows short position 1-3-4-10.					
27GB5◆	27	*26	1	2	10	29KQ6◆	29	*25	1	8	10	30JZ6	30	*27	10	5	9	31LQ6	31	*29	7	2	10
*May show short position 3-6-7-8.						*Normally shows short position 2-3-6-7.						*Some tubes may show short position 1-3-4-10.						*Normally shows short position 1-7.					
22BH3-31LR8						29LE6◆	29	*30	1	8	10							31LR8	31	27	6	2	10
						*Normally shows short position 2-3-6-7.														29	6	9	10

■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
31LZ6	31	*35	7	2	10	34CD3	34	*27	4	10	9	35Y4	35	31	4	2	4	42KN6	21	*28	10	5	9
*Normally shows short position 1-7.						*Some tubes may show short position 5-6-8-9.						*Normally shows short position 1-3-4-7-10-11.											
32A8	32	33	6	3	2	34CE3	34	27	4	10	9	35Z3	35	31	6	2	4	45B5	50	33	1	2	2
32ET5	30	39	6	1	2	34CM3	34	30	2	7	10	35Z4	35	33	6	5	3	45Z3	38	32	7	2	6
32HQ7	32	34	8	2	9	34GD5	35	36	2	5	1	35Z5	35	33	3	5	3	45Z5	50	31	3	5	3
33GT7	33	*58	8	10	9	34R3	34	30	2	9	2	36AM3	35	35	7	5	1	50A5	50	35	6	6	4
*Normally shows short position 9-1.						35A5	35	34	6	6	4	36KD6	36	*25	10	5	9	50B5	50	36	1	7	1
33GY7	33	*58	8	1	9	35B5	35	38	1	7	1	*Normally shows short position 1-3-4-10.						50BK5	50	37	3	7	2
*Normally shows short position 9-10.						35C5	35	38	2	5	1	38A3	38	35	1	6	7	50BM8	50	33	6	3	2
33GY7A	33	*58	8	1	9	35CD6	35	33	6	5	3	38HE7	38	25	11	9	9						
*Normally shows short position 9-10.						35DZ8	35	30	6	3	2							50C5	50	35	2	5	1
33HE7	33	25	11	9	9	35EH5	35	30	2	5	1	38HK7	38	26	11	9	9	50C6	50	45	6	5	3
33JR6	33	34	1	2	10	35GL6	35	39	7	2	1							50CA5	50	32	2	5	1
33JV6	33	26	4	1	9	35HB8	35	36	6	9	2	40FR5	38	32	2	5	1	50CD6	50	33	6	5	3
						35L6	35	36	6	5	3	40KD6	40	*25	10	5	9						
						35LR6	35	*32	10	5	9	*Normally shows short position 1-3-4-10.						50DC4	50	33	7	5	1
						*May show short position 1-3-4-7-10.						40KG6◆	40	*26	1	8	10	50E5	50	27	6	5	3
						35W4	35	33	7	5	1	*Normally shows short position 2-3-6-7.						50EH5	50	30	2	5	1
												40Z5	50	31	3	5	3	50FA5	50	35	2	5	1
												42EC4■	42	26	2	5	8	50FE5	50	33	6	5	3
																		50FK5	50	35	2	5	1

■Use TC-62B Adapter.

Normal shorts refer to position of "C" switch.

◆Use TC-80 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
50FY8	50	30	6	3	2	53KU	5	*30	6	4	3	1203	6	53	6	4	4	1667	6	32	5	1	1
		39	6	1	2			*30	6	6	3	1223	6	50	6	10	3	1723*	17	30	2	9	2
50GY7	50	*57	8	1	9	*Normally shows short position 8-11.						1232	6	36	6	6	4	*If no test use alternate settings below.					
		*32	8	2	9	58HE7	50	25	11	9	9	1273	6	37	6	6	4		17	30	3	9	2
*Normally shows short position 9-10.								27	11	2	9	1274	6	45	6	3	4						
50HC6	50	27	7	2	1	60EH5	50	30	2	5	1			45	6	6	4	1852	6	33	6	4	3
50HK6	50	29	7	2	1	60FX5	50	32	2	5	1	1280	12	37	6	6	4	1853	6	35	6	4	3
50HN5	50	28	1	2	2	60HL5	60	30	2	7	2	1294	2	60	6	4	4	2050	6	34	6	5	3
50JY6	50	28	4	5	3	64SPT	6	33	1	2	2	1611	6	54	6	5	3	5591	6	33	2	1	1
50L6	50	34	6	5	3	150C3	50	*99	3	5	3	1612	6	44	1	10	3	5649	12	45	6	5	3
50X6	50	35	6	3	4	*Tube good if it reads 60 or more.						1614	6	40	6	5	3	5654	6	33	2	1	1
		35	6	6	4	*Normally shows short position 11.						1619	3	39	6	5	3	5659	12	45	6	5	3
50Y6	50	35	6	3	3	*Normally shows grid emission.						1620	6	50	6	10	3	5661	12	40	6	4	3
		35	6	5	3	213 PEN	19	*32	8	2	2	1621	6	*54	6	5	3	5663	6	27	6	1	1
50Y7	50	35	7	3	3	*Normally shows short position 1-6-9.						*May show short position 8-11.						5679	6	48	6	3	4
		35	7	5	3							1622	6	37	6	5	3			48	6	6	4
53HK7	50	26	11	9	9	403B	6	33	2	1	1	1626	12	53	6	5	3	5686	6	*33	7	2	2
		26	11	2	9	407A	21	30	6	3	2	1631	12	37	6	5	3	*Normally shows short position 1-3-8.					
								30	6	7	2	1632	12	34	6	5	3						
						408A	19	94	8	6	1	1634	12	48	6	3	8	5687	12	37	9	2	2
31LZ6-5687						502A	6	26	6	5	3			48	6	4	8			37	9	7	2
						884	6	36	6	5	3	1665	6	32	5	1	1						

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	
5691	6	43	6	1	8	5824	25	40	6	5	3	6006	6	34	5	4	3	6082	25	35	6	1	8	
		43	6	4	8	5845	4	*90	8	1	1	6028	19	33	2	1	1			35	6	4	8	
5692	6	44	6	1	8	*Tube good if it reads 20 or more						6042	6	44	6	1	8	6084	6	39	8	9	2	
		44	6	4	8	5871	6	41	6	5	3			44	6	4	8	6085	12	42	10	2	2	
5693	6	35	6	4	3	5879	4	55	5	1	2	6046	25	34	6	5	3			42	10	7	2	
5696	6	34	5	6	1	5881	6	37	6	5	3	6057	12	42	10	2	2	6087	5	*53	6	4	3	
5725	6	35	6	1	1	5915	6	42	6	1	1			42	10	7	2			*53	6	6	3	
5726	6	33	6	2	1	5920	6	32	6	5	1	6058	6	33	6	2	1	*Normally shows short position 8-11.						
		33	6	7	1			32	6	6	1			33	6	7	1	6096	6	34	2	1	1	
5727	6	32	5	1	1	5931	5	*42	6	4	3	6060	12	32	10	2	2	6097	6	33	6	2	1	
5749	6	33	2	1	1			*42	6	6	3			32	10	7	2			6	33	6	7	1
5750	6	35	6	1	1	*Normally shows short position 8-11.						6062	6	33	9	9	2	6100	6	41	1	6	1	
5751	12	42	10	2	2	5932	6	37	6	5	3	6066	6	39	6	1	1	6101	6	34	6	5	1	
		42	10	7	2	5961	6	37	6	5	3			64	6	5	1			34	6	6	1	
5755	15	51	10	3	2	5963	12	40	10	2	2			64	6	6	1	6113	6	43	6	1	8	
		51	10	6	2			40	10	7	2	6067	12	40	10	2	2			43	6	4	8	
5763	6	33	9	9	2	5964	6	35	6	5	1			40	10	7	2	6134	6	33	6	4	3	
5814-A	12	40	10	2	2			35	6	6	1	6069	6	33	2	1	1	6135	6	41	1	6	1	
		40	10	7	2	5965	12	32	10	2	2	6072	12	44	10	2	2	6136	6	33	6	1	1	
5823	1	*85	5	4	6			32	10	7	2			44	10	7	2	6137	6	40	6	4	3	
*Ignore short lamp indication.						5992	6	41	6	5	3	6080	6	35	6	1	8	6146	6	*38	1	5	3	
*Normally shows grid emission.						6005	6	35	1	7	1			35	6	4	8	*Normally shows short position 4-6						

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
6147	6	37	6	5	3	6203	6	41	6	1	2	6661	6	33	6	1	1	6688	6	27	3	2	2
6159	25	*38	1	5	3			41	6	9	2	6662	6	34	6	1	1	6689	6	25	6	2	2
*Normally shows short position 4-6.						6211	12	34	10	2	2	6663	6	33	6	2	1	6829	12	32	10	2	2
6180	6	44	6	1	8			34	10	7	2			33	6	7	1			32	10	7	2
		44	6	4	8	6216	6	*29	3	2	2	6664	6	30	6	6	1	6883	12	*38	1	5	3
6186	6	31	2	1	1	*Normally shows short position 1-6.						6669	6	35	1	7	1	*Normally shows short position 4-6.					
6187	6	35	6	1	1	6218	6	72	6	2	2	6676	6	33	6	1	1	6887	6	33	6	2	1
6188	6	43	6	1	8	6227	6	29	1	2	2	6677	6	*32	2	9	2			33	6	7	1
		43	6	4	8	6265	6	33	6	1	1	*Normally shows short position 3-8.						6888	6	32	6	4	3
6189	12	40	10	2	2	6267	6	40	2	9	2							6919	6	35	6	2	1
		40	10	7	2	6350	12	40	10	3	2	6678	6	33	6	2	2			35	6	7	1
6197	6	*32	2	9	2			40	10	8	2			33	6	9	2	6922	6	28	6	2	2
*Normally shows short position 3-8.						6360	12	35	10	1	2	6679	12	32	10	2	2			28	6	7	2
6198	12	40	10	2	2			35	10	3	2			32	10	7	2	6968	6	33	2	1	1
		40	10	7	2	6417	12	33	9	9	2	6680	12	40	10	2	2	6973	6	*40	3	6	2
6201	12	32	10	2	2	6463	12	29	10	3	2			40	10	7	2	*Normally shows short position 1-8.					
		32	10	7	2			29	10	8	2	6681	12	42	10	2	2	7000	6	50	6	10	3
6202	6	44	6	1	1	6485	6	35	6	1	1			42	10	7	2	7025	12	42	10	2	2
		44	6	6	1	6520	6	35	6	1	8	6683	12	*40	1	5	3			42	10	7	2
								35	6	4	8	*Normally shows short position 4-6.						7027	6	36	5	6	3
5691-7036						6550	6	35	6	5	3	6686	6	26	1	2	2	*Normally shows short position 1-4.					
						6660	6	33	2	1	1	6687	6	32	6	1	1	7036	6	39	6	1	1

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket						
7044	12	34	9	2	2	7119	12	28	9	2	2	7408	6	39	6	5	3	7701	12	*38	1	2	2						
		34	9	7	2			28	9	7	2	7543	6	34	6	1	1	*Normally shows short position 3-7-8-9.											
7054	12	*34	7	2	2	7167	12	35	2	1	1	7551	15	*34	10	2	2	7716	12	33	6	2	2						
*Normally shows short position 3-9.						7189	6	*33	1	2	2	*Normally shows short position 3-8.					7558	6	*30	3	2	2							
7055	12	33	6	2	1	*Normally shows short position 6-9.					7199	6	30	6	7	2	*Normally shows short position 1-9.					7719	12	29	1	7	7		
		33	6	7	1			32	6	9	2	7581	6	37	6	5	3	7722	6	22	1	2	2						
7056	12	33	6	1	1	7233	6	*33	2	7	2	7586	6	37	2	4	5	7724	14	52	6	8	2						
						*Normally shows short position 1-3-6-9.					7587	6	*67	6	2	5	*For grid emission turn C switch to position 4.						35	6	6	2			
7057	12	32	6	2	2	7247	12	43	10	2	2	7591	6	34	4	6	3	7728	12	32	10	2	2						
		32	6	7	2			43	10	7	2	7607	6	*34	1	5	3			32	10	7	2						
7058	12	42	10	2	2	7258	12	32	6	8	2	*Normally shows short position 4-6.					7643	6	25	6	2	2	7729	12	42	10	2	2	
7059	12	33	6	2	2			32	6	2	2			25	6	9	2			42	10	7	2						
7060	12	33	6	2	2	7308	6	24	6	2	2			35	6	2	2	7687	6	35	6	2	2	7730	12	40	10	2	2
		28	6	8	2			24	6	7	2	7693	6	39	6	9	2			40	10	7	2						
7061	12	*42	3	6	2	7320	6	33	1	2	2	7694	6	31	6	1	1	7699	6	32	6	1	1	7731	6	33	6	2	2
*Normally shows short position 1-8.						7355	6	37	6	6	3	*Normally shows short position 3-9.							33	6	9	2							
7062	12	26	10	7	2	7360	6	29	6	3	2	7695	50	34	6	6	2	7732	6	33	6	1	1						
		26	10	2	2	7370	40	80	9	1	2							7733	12	*34	7	2	2						
7105	12	35	6	1	8			80	9	9								*Normally shows short position 3-9.											
		35	6	4	8																								

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
7738	6	*33	2	6	1	8032	12.6	*40	1	5	3	8327	6	25	1	2	2	ARP15	6	52	6	10	3
*Normally shows short position 1-7.						*Normally shows short position 4-6.						*Normally shows short position 4-6.						ARP16	6	50	6	10	3
7751	6	30	4	5	3	8056	6	*80	6	2	5	8425	6	36	6	1	1	ARP17	6	54	6	5	3
7754	6	34	6	6	2	*For grid emission turn C switch to position 4.						8552	12	*40	1	5	3	ARP32	6	41	6	5	3
7788	6	*29	3	2	2	8102	12	28	6	9	2	*Normally shows short position 4-6.						ARP33	6	41	6	5	3
*Normally shows short position 6-9.						8106	12	*24	3	7	2	8458	12	35	10	1	10	ARTH-1	6	35	6	5	3
7867	6	27	6	5	3	*Normally shows short position 2-6-9.						9001	6	35	10	3	10	AU13	5	*51	6	4	3
7868	6	*27	2	6	10	8113	6	28	8	1	1	9002	6	42	2	1	1	*51 6 6 3					
*Normally shows short position 1-7.						8136	6	25	6	1	1	*Normally shows short position 2-7.						*Normally shows short position 8-11.					
7895	6	*85	6	2	5	2-6-9.						9003	6	*46	1	6	1	AZ32	4	*51	6	4	3
*For grid emission turn C switch to position 4.						8156	13	*32	9	10	9	9006	6	42	2	1	1	*51 6 6 3					
7898	14	28	10	2	2	*Normally shows short position 1-2-3-4-5-6-7-9.						*Normally shows short position 2-7.						*Normally shows short position 8-11.					
						8233 6 *25 7 8 10						A863	6	50	6	10	3	B36	12	44	6	1	8
7984	12	*70	8	1	9	8278♦ 6 *31 3 7 10						A1834	6	50	6	10	3	44 6 4 8					
*Normally shows short position 2-3-4-5-6-8-9.						*Normally shows short position 7-9.						AR18	6	35	6	1	8	B65	6	44	6	1	8
						*Normally shows short position 1-2-6-8.						35 6 4 8						44 6 4 8					
												ARDD3	6	40	6	10	3	B152	12	32	10	2	2
												63 6 4 3						32 10 7 2					
												63 6 5 3						B309 12 32 10 2 2					
												48 6 3 3						32 10 7 2					
												48 6 5 3						B319 7 33 8 2 2					
												44 6 10 3						33 8 6 2					

7044-B319

7044-B319

♦Use TC-80 Adapter.

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
B329	12	40	10	2	2	CV452	6	39	6	1	1	CV554	6	48	6	3	3	CV581	6	46	6	5	3
		40	10	7	2			64	6	5	1			48	6	5	3	CV582	6	46	6	5	3
B339	12	42	10	2	2			64	6	6	1	CV559	25	34	6	3	3	CV583	6	46	6	5	3
		42	10	7	2	CV453	6	35	6	1	1			34	6	5	3	CV586	6	37	6	5	3
B719	6	32	6	2	2	CV454	6	33	2	1	1	CV561	35	36	6	5	3	CV587	6	40	6	10	3
		32	6	7	2	CV455	12	32	10	2	2	CV562	35	36	6	5	3			63	6	4	3
BPM04	6	35	1	7	1			32	10	7	2	CV565	35	31	6	2	4			63	6	5	3
CV131	6	35	6	1	1	CV491	12	40	10	2	2	CV567	35	33	3	5	3	CV588	6	40	6	10	3
CV133	6	41	1	6	1			40	10	7	2	CV568	35	33	3	5	3			63	6	4	3
CV136	6	34	6	1	1	CV492	12	42	10	2	2	CV571	50	34	6	5	3			63	6	5	3
CV138	6	30	6	1	1			42	10	7	2	CV572	6	40	6	3	3	CV589	6	40	6	10	3
						CV493	6	44	6	1	1			40	6	5	3			63	6	4	3
CV140	6	33	6	2	1			44	6	6	1	CV573	6	40	6	3	3			63	6	5	3
		33	6	7	1	CV511	6	41	6	5	3			40	6	5	3	CV590	6	35	6	4	3
CV216	50	*99	3	5	3	CV538	12	37	6	5	3	CV574	6	40	6	3	3	CV591	6	35	6	4	3
*Tube good if it reads 60 or more.						CV544	12	40	6	4	3			40	6	5	3	CV592	6	35	6	4	3
*Normally shows short position 11.						CV547	12	42	6	2	8	CV575	5	*40	6	4	3	CV593	5	*51	6	4	3
*Normally shows grid emission.								71	6	4	8			*40	6	6	3			*51	6	6	3
								71	6	5	8	*Normally shows short position 8-11.						*Normally shows short position 8-11.					
CV283	6	33	6	2	1	CV551	25	36	6	5	3	CV578	6	45	6	5	3	CV594	6	33	5	4	3
		33	6	7	1	CV552	25	34	6	5	3	CV579	6	45	6	5	3	CV595	6	33	5	4	3
CV450	6	29	6	5	3	CV553	25	34	6	5	3	CV580	6	45	6	5	3	CV657	6	50	6	10	3

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
CV660	6	33	6	4	3	CV726	35	31	6	2	4	CV775	1	62	6	4	4	CV808	3	45	4	3	6
CV661	6	35	6	4	3	CV728	2	53	6	10	3	CV776	1	55	6	6	4			45	4	5	6
CV664	6	*46	1	6	1	CV729	5	*35	6	4	3	CV777	1	54	5	6	4	CV815	2	43	8	6	4
*Normally shows short position 2-7.								*35	6	6	3	CV778	1	68	6	4	4	CV818	3	*42	5	3	6
CV665	6	42	2	1	1	*Normally shows short position 8-11.						CV779	2	53	6	6	4	*Normally shows short position 2-6.					
CV686	50	*85	3	5	3	CV731	6	54	6	5	3			63	6	4	4	CV819	3	45	9	5	3
*Normally shows short position 11.						CV732	6	32	6	5	8	CV780	2	52	6	6	4	CV820	3	*48	5	3	6
*Normally shows grid emission.						CV747	6	33	6	4	3			60	6	4	4	*Normally shows short position 2-6.					
CV694	12	34	5	4	3	CV753	2	*70	2	6	6	CV781	1	53	5	6	4	CV841	5	*40	6	4	3
CV697	12	35	6	4	3	*Normally shows short position 5-11.						CV782	1	57	5	4	6			*40	6	6	3
CV698	12	35	6	4	3	CV755	1	55	6	5	3	CV783	1	*55	5	3	6	*Normally shows short position 8-11.					
CV700	12	46	6	2	8	CV756	1	55	6	5	3	*Normally shows short position 2-6.						CV842	5	*52	6	4	3
		68	6	4	8	CV760	1	55	6	5	3	CV784	1	56	6	6	6			*52	6	6	3
		68	6	5	8	CV764	2	54	6	10	3			95	6	3	6	*Normally shows short position 8-11.					
CV703	6	35	6	5	3	CV768	2	48	6	5	3	CV785	1	55	5	6	6	CV844	6	40	6	5	3
CV706	6	48	6	10	3	CV770	2	54	6	10	3	CV786	1	54	6	5	3	CV845	6	40	6	5	3
CV717	5	*45	6	4	3			64	6	4	3							CV846	6	33	6	4	3
		*45	6	6	3			67	6	5	3	CV797	6	32	5	1	1	CV848	6	31	2	1	1
*Normally shows short position 8-11.						CV772	1	55	6	4	3	CV805	50	35	6	3	3	CV849	6	33	6	4	3
CV723	3	39	6	5	3			55	6	5	3			35	6	5	3	CV850	6	33	2	1	1
B329-CV852						CV773	1	55	6	4	3	CV807	3	*36	5	4	6	CV851	6	35	6	5	3
								55	6	5	3	*Normally shows short position 2-6.						CV852	6	41	1	6	1

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
CV858	6	34	6	5	1	CV886	6	38	6	6	4	CV900	6	35	6	6	4	CV939	25	40	6	5	3
		34	6	6	1	CV887	6	50	4	3	4			72	6	3	4	CV945	30	40	6	2	4
CV862	6	53	6	5	3			68	4	5	4			72	6	4	4			40	6	7	4
CV865	6	35	6	4	3			68	4	6	4	CV901	6	45	6	3	4	CV946	30	40	6	2	4
CV866	6	35	6	4	3	CV891	6	40	4	3	4			45	6	6	4			40	6	7	4
CV867	6	46	6	2	8			69	4	5	4	CV910	12	45	6	5	3	CV995	6	36	2	1	1
		68	6	4	8			69	4	6	4	CV916	12	48	6	3	3	CV1067	6	42	6	5	3
		68	6	5	8	CV892	6	47	6	6	4			48	6	5	3	CV1071	5	*40	6	4	3
CV873	6	43	6	3	3			68	6	3	4	CV917	12	50	6	10	3			*40	6	6	3
		43	6	5	3			68	6	4	4	CV918	12	52	6	10	3	*Normally shows short position 8-11.					
CV876	6	48	6	3	4	CV893	6	45	6	4	4	CV919	12	41	6	3	8	CV1074	6	50	6	10	3
		48	6	6	4			45	6	5	4							CV1268	5	*51	6	4	3
CV877	6	45	6	6	4	CV894	6	36	6	6	4	CV920	12	41	6	3	8			*51	6	6	3
CV878	6	40	6	4	4	CV895	6	35	6	6	4	CV921	12	46	6	2	8	*Normally shows short position 8-11.					
CV879	6	40	6	6	4	CV896	6	45	6	4	4			69	6	5	8	CV1280	6	44	6	10	3
CV880	6	52	6	6	4			65	6	5	4	CV922	12	33	5	4	3	CV1285	6	47	6	4	3
CV881	6	52	6	6	4			65	6	6	4	CV924	12	43	6	1	8			47	6	5	3
CV882	6	40	4	3	4	CV897	6	35	6	6	4			43	6	4	8	CV1301	6	48	6	3	3
		68	4	5	4			50	6	4	4	CV925	12	44	6	1	8			48	6	5	3
		68	4	6	4	CV898	6	42	6	4	4			44	6	4	8	CV1375	6	33	1	2	2
CV883	6	42	6	4	4			42	6	5	4	CV930	12	45	6	4	4						
CV885	6	38	6	6	4	CV899	6	35	6	4	4			45	6	5	4						

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
CV1377	5	*30	6	4	3	CV1803	1	54	6	5	3	CV1849	5	*52	6	4	3	CV1864	5	*36	6	4	3
		*30	6	6	3	CV1805	1	54	6	5	3			*52	6	6	3			*36	6	6	3
*Normally shows short position 8-11.						CV1811	1	58	6	5	3	*Normally shows short position 8-11.						*Normally shows short position 8-11.					
CV1633	12	32	10	2	2			86	6	10	3	CV1851	5	47	6	3	8	CV1873	6	35	6	4	3
		32	10	7	2			*99	6	8	3			47	6	5	8	CV1876	6	33	6	4	3
CV1649	6	46	6	5	3	*Tube good if it reads 30 or more.						CV1852	5	47	6	3	8	CV1878	6	54	6	5	3
CV1741	6	35	6	5	3	CV1818	1	55	6	10	3			47	6	5	8			62	6	1	3
								96	6	5	3	CV1854	5	*51	6	4	3	CV1882	6	32	6	4	3
CV1753	35	34	6	6	4	CV1819	6	48	6	5	3			*51	6	6	3	CV1893	6	55	6	10	3
CV1757	6	42	2	1	1	CV1820	1	55	6	10	3	*Normally shows short position 8-11.								65	6	4	3
CV1758	1	55	5	6	6			96	6	5	3	CV1856	5	*51	6	4	3			65	6	5	3
CV1762	6	43	6	1	1	CV1821	2	53	6	10	3			*51	6	6	3	CV1894	6	55	6	10	3
						CV1823	2	53	6	10	3	*Normally shows short position 8-11.								65	6	4	3
CV1777	6	37	6	6	4	CV1824	1	48	6	5	3	CV1857	5	52	6	3	8			65	6	5	3
CV1784	6	32	6	4	3									52	6	5	8	CV1895	50	*70	3	5	3
CV1790	6	50	6	3	4	CV1826	1	48	6	5	3	CV1862	6	35	1	7	1	*Normally shows short position 11.					
		50	6	6	4	CV1829	1	54	6	5	3							*Normally shows grid emission.					
CV1800	1	57	6	5	3	CV1846	5	*38	6	4	3	CV1863	5	*36	6	4	3	CV1902	6	45	6	5	3
								*38	6	6	3			*36	6	6	3						
CV1802	1	57	6	5	3	*Normally shows short position 8-11.						*Normally shows short position 8-11.						CV1908	6	40	6	10	3
CV858—CV1910																		CV1909	6	40	6	10	3
																		CV1910	6	40	6	10	3

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
CV1911	6	54	6	5	3	CV1945	6	35	6	5	3	CV1964	6	52	6	10	3	CV1990	6	42	6	2	8
CV1912	6	54	6	5	3	CV1946	6	35	6	5	3			63	6	4	3			71	6	4	8
CV1926	6	45	6	5	3	CV1947	6	37	6	5	3			63	6	5	3			71	6	5	8
CV1928	12	33	2	1	1	CV1948	6	37	6	5	3	CV1966	6	37	6	5	3	CV1991	6	42	6	2	8
CV1929	6	48	6	3	3	CV1949	6	43	6	1	1	CV1967	6	37	6	5	3			71	6	4	8
		48	6	5	3	CV1950	6	44	6	10	3	CV1969	6	48	6	3	8			71	6	5	8
CV1930	6	48	6	3	3	CV1951	6	44	6	10	3			48	6	4	8	CV1993	6	46	6	4	3
		48	6	5	3	CV1956	6	47	6	4	3	CV1970	6	48	6	3	8	CV1995	6	52	6	2	8
CV1931	6	48	6	3	3			47	6	5	3			48	6	4	8			72	6	4	8
		48	6	5	3	CV1957	6	47	6	4	3	CV1972	6	41	6	3	8			72	6	5	8
CV1932	6	42	6	5	3			47	6	5	3	CV1973	6	41	6	3	8	CV1996	6	52	6	2	8
CV1933	6	42	6	5	3	CV1958	6	47	6	4	3	CV1974	6	47	6	10	3			72	6	4	8
CV1934	6	42	6	5	3			47	6	5	3									72	6	5	8
CV1935	6	50	6	10	3	CV1959	50	35	2	5	1	CV1975	6	47	6	10	3	CV2128	6	85	6	1	2
CV1936	6	50	6	10	3	CV1961	12	33	6	1	1	CV1976	6	37	6	5	3			38	6	9	2
CV1937	6	50	6	10	3	CV1962	6	52	6	10	3	CV1978	6	34	5	4	3	CV2129	6	33	9	9	2
CV1938	6	41	6	5	3			63	6	4	3	CV1981	6	40	6	4	3	CV2370	3	*48	5	3	6
CV1940	6	41	6	5	3			63	6	5	3	CV1982	6	40	6	4	3	*Normally shows short position 2-6.					
CV1941	6	52	6	10	3	CV1963	6	52	6	10	3	CV1985	6	43	6	1	8	CV2390	3	*36	5	4	6
CV1942	6	52	6	10	3			63	6	4	3			43	6	4	8	*Normally shows short position 2-6.					
CV1943	6	52	6	10	3			63	6	5	3	CV1988	6	44	6	1	8						
CV1944	6	35	6	5	3									44	6	4	8	CV2500	35	33	6	5	3

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
CV2507	1	52	5	6	6	CV2938	6	35	6	5	3	D2M9	6	33	6	2	1	DCC90	3	45	4	3	6
CV2522	6	35	6	1	1	CV2975	6	33	1	2	2			33	6	7	1			45	4	5	6
CV2524	6	33	6	1	1	CV2983	3	45	5	6	6	D63	6	48	6	3	3	DD6	6	33	6	2	1
CV2526	6	40	6	1	1	CV2984	6	35	6	1	8			48	6	5	3			33	6	7	1
		67	6	5	1			35	6	4	8	D77	6	33	6	2	1	DF33	2	53	6	10	3
						CV3512	6	34	5	6	1			33	6	7	1	DF91	1	55	5	6	6
CV2534	50	34	6	5	3	CV3523	6	*38	1	5	3	D152	6	33	6	2	1	DF92	1	55	5	6	6
CV2706	6	53	6	4	4	*Normally shows short position 4-6.								33	6	7	1	DF96	1	58	5	6	6
CV2714	6	40	6	5	3	CV3798	50	*70	3	5	3	D193	3	*36	5	4	6	DF97	1	40	5	6	6
CV2716	6	48	6	3	8							*Normally shows short position 2-6.					DF904	1	52	5	6	6	
		48	6	4	8	*Normally shows short position 11.					DA90	2	*70	2	6	6	DH63	6	40	6	10	3	
CV2721	6	*32	8	2	2	*Normally shows grid emission.					*Normally shows short position 5-11.								63	6	4	3	
*Normally shows short position 1-6-9.					CV3799	50	*69	3	5	3	DAC32	1	55	6	10	3			63	6	5	3	
					*Normally shows grid emission.									96	6	5	3	DH74	12	40	6	10	3
CV2748	5	*36	6	4	3	*Normally shows short position 11.					DAF91	1	56	6	6	6			63	6	4	3	
		*36	6	6	3	CV4007	6	33	6	2	1			95	6	3	6			63	6	5	3
*Normally shows short position 8-11.								33	6	7	1	DAF92	2	55	6	6	6	DH76	12	40	6	10	3
CV2769	6	*55	1	5	1	CV4010	6	33	2	1	1			70	6	4	6			63	6	4	3
*Normally shows short position 2-7.					CV4018	6	32	5	1	1	DAF96	1	58	6	6	6			63	6	5	3	
CV2901	6	40	2	9	2	CV4024	12	32	10	2	2			70	6	3	6	DH77	6	39	6	1	1
								32	10	7	2	DC90	1	*70	5	6	6			64	6	5	1
CV1911-DH77												*Normally shows short position 2-3.							64	6	6	1	

Normal shorts refer to position of "C" switch.

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
DH107	19	39	6	1	1	DL91	1	*55	5	3	6	DY802	1	*99	1	10	7	E91H	6	32	6	1	1
		64	6	5	1	*Normally shows short position 2-6.						*Tube good if it reads 40 or more.						E91N	6	32	5	1	1
DH149	6	64	6	6	1	DL92	3	*48	5	3	6	Normally shows short position 6-11.						E92CC	6	27	6	6	1
		50	4	3	4	*Normally shows short position 2-6.														27	6	5	1
		68	4	5	4	DL93	3	*36	5	4	6	E55L	6	*25	7	8	10	E99F	6	32	6	1	1
						*Normally shows short position 2-6.						*Normally shows short position 7-9.						E180F	6	27	3	2	2
DH710	6	43	6	8	2	DL94	3	45	5	6	6	E80CC	12	42	10	2	2	E182CC	6	28	9	2	2
		35	6	2	2	DL95	3	*42	5	3	6			42	10	7	2			28	9	7	2
		35	6	1	2	*Normally shows short position 2-6.						E80CF	6	25	6	2	2	E188CC	6	24	6	2	2
		35	6	6	2	DL96	2	48	5	6	6			25	6	9	2			24	6	7	2
DH719	6	43	6	8	2	DP61	6	33	2	1	1	E80F	6	39	8	9	2	E235L	6	30	4	5	3
		35	6	2	2	DY30	1	*96	3	10	3	E80L	6	29	1	2	2	E280F	6	22	1	2	2
		35	6	1	2	*Normally shows short position						E80T	6	72	6	2	2	EEA91	6	33	6	2	1
		35	6	6	2	5-8-11.						E81L	6	26	1	2	2			33	6	7	1
DK32	1	57	6	5	3	DY80	1	*99	1	10	7	E83F	6	25	6	2	2	EABC80	6	43	6	8	2
DK91	1	57	5	4	6	*Tube good if it reads 20 or more.						E88CC	6	28	6	2	2			35	6	2	2
DK92	1	48	6	4	6	*Normally shows short position 6-11.								28	6	7	2			35	6	1	2
DK96	1	54	6	4	6	DY86	1	*95	1	10	7	E90CC	6	32	6	5	1			35	6	6	2
DL33	3	45	9	5	3	*Normally shows short position 6-11.								32	6	6	1	EB34	6	48	1	3	3
DL35	1	54	6	5	3	DY87	1	*95	1	10	7	E90F	6	32	6	1	1			48	1	5	3
DL36	1	48	6	5	3	*Normally shows short position 6-11.						E91AA	6	33	6	2	1	EB91	6	33	6	2	1
														33	6	7	1			33	6	7	1

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
EBC90	6	39	6	1	1	EC90	6	41	1	6	1	ECC88	6	31	6	2	2	ECF200	6	32	6	3	13
		64	6	5	1	EC91	6	*29	7	1	1			31	6	7	2			38	6	10	13
		64	6	6	1	*Normally shows short position 2-5.						ECC89	6	29	6	2	2	ECF201	6	30	6	3	13
EBC91	6	40	6	1	1									29	2	6	2			40	6	10	13
		67	6	5	1	EC92	6	30	6	6	1	ECC91	6	34	6	5	1	ECF202	6	29	6	3	13
		67	6	6	1	EC95	6	33	1	2	1			34	6	6	1			33	6	10	13
EBF80	6	37	6	2	2	EC97	6	33	1	2	1	ECC189	6	30	6	2	2	ECF801	6	24	3	2	2
		64	6	7	2	EC900	6	27	2	1	1			30	6	7	2			26	3	9	2
		64	6	8	2	ECC35	6	43	6	1	8	ECC801S	12	32	10	2	2	ECF802	6	29	6	2	2
EBF83	6	31	6	2	2			43	6	4	8			32	10	7	2			34	6	9	2
		62	6	7	2	ECC81	12	32	10	2	2	ECC802S	12	40	10	2	2	ECF-805	6	33	9	9	2
		62	6	8	2			32	10	7	2			40	10	7	2			30	9	7	2
EBF89	6	33	6	2	2	ECC82	12	40	10	2	2	ECC808	6	36	6	1	2	ECH81	6	85	6	1	2
		60	6	7	2			42	10	7	2			36	6	9	2			38	6	9	2
		60	6	8	2	ECC83	12	42	10	2	2	ECC960	6	32	6	5	1	ECH83	6	30	6	2	2
EC81	6	35	6	1	2			42	10	7	2			32	6	6	1			34	6	9	2
EC86	6	29	3	6	7	ECC84	6	33	8	2	2	ECF80	6	31	6	2	2	ECH84	6	26	6	2	2
EC88	6	*85	7	8	2			33	8	6	2			34	6	9	2			33	6	9	2
*Normally shows short position 1-3-7-9.						ECC85	6	32	6	2	2	ECF82	6	33	6	2	2	ECH200	6	34	6	3	13
								32	6	7	2			33	6	9	2			32	6	8	13
						ECC86	6	33	6	2	2	ECF86	6	24	3	2	2	ECL80	6	37	6	9	2
								33	6	7	2			25	1	6	2			44	6	2	2

DH107-ECL80

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
ECL82	6	33	6	3	2	EF89	6	34	1	2	2	EL81	6	*32	8	2	2	EL508♦	6	28	1	8	10
		39	6	1	2	EF91	6	30	6	1	1	*Normally shows short position 1-6-9.						EL802	6	*29	7	2	2
ECL84	6	25	6	8	2	EF92	6	35	6	1	1	EL82	6	71	2	9	2	*Normally shows short position 3-9.					
		25	6	1	2	EF93	6	33	2	1	1							EL803	6	30	6	2	2
ECL85	6	29	6	9	2	EF94	6	33	6	1	1							EL820	6	*32	8	2	2
		29	6	2		EF95	6	33	2	1	1	EL83	6	30	6	2	2	*Normally shows short position 1-6-9.					
ECL86	6	26	6	8	2	EF96	6	31	2	1	1	EL84	6	33	1	2	2	EL821	6	28	6	2	2
		30	6	1	2	EF98	6	30	6	1	1	EL85	6	*39	1	2	2	ELL80	6	29	6	2	2
ECLL800	6	*99	6	1	2	EF183	6	30	3	2	2	*Normally shows short position 6-8.							29	6	6	2	
		35	6	2	2	EF184	6	29	3	2	2	EL86	6	*30	1	2	2						
		35	6	6	2	EF804	6	39	2	9	2	*Normally shows short position 7-8.					EM-87	6	*55	2	1	2	
*Tube good if it reads 20 or more.						EF-806S	6	40	2	9	2	EL90	6	35	1	7	1	*Normally shows short position 6-8.					
ED2	6	33	6	2	1	EFL200	6	30	6	1	13	EL91	6	34	6	1	1	EN93	6	43	6	1	1
		33	6	7	1			30	6	8	13	EL95	6	34	1	7	1	EQ80	6	33	3	7	2
ED500♦	6	*54	6	8	10	EH90	6	35	6	1	1	EL500♦	6	*26	1	2	10	EL503♦	6	*31	3	7	10
*Normally shows short position 2-3-6-7-9.						EH-900S	6	42	6	1	1	*May show short position 3-6-7-8.					EL505♦	6	*26	1	8	10	
EF22	6	36	6	6	4	EK90	6	35	6	1	1	*Normally shows short position 1-2-6-8.											
EF-37A	6	44	6	10	3	EL34	6	35	6	5	3	*Normally shows short position 2-3-6-7.											
EF80	6	33	1	2	2	EL36	6	*32	4	5	3												
						*Normally shows short position 3-8.																	
EF85	6	33	1	2	2	EL37	6	37	6	5	3	*Normally shows short position 2-3-6-7.											
EF86	6	40	2	9	2	EL38	6	29	6	5	3												

♦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
EY88*	6	27	7	3	7	GZ32	5	*51	6	4	3	HD14	1	55	6	10	3	LCF201	5	30	6	3	13
*If no test, use alternate settings.								*51	6	6	3			96	6	5	3			40	6	10	13
EY88	6	27	3	7	7	*Normally shows short position 8-11.						HF93	12	33	2	1	1	LCF801	5	24	3	2	2
EY500	6	26	2	5	8	GZ34	5	*30	6	4	3	HF94	12	33	6	1	1			26	3	9	2
EZ35	6	40	6	3	3			*30	6	6	3	HK90	12	35	6	1	1	LCF-802	6	29	6	2	2
		40	6	5	3	*Normally shows short position 8-11.						HL90	19	35	1	7	1			34	6	9	2
EZ80	6	40	6	1	2	H63	6	40	6	10	3	HL92	50	35	2	5	1	LCH200	5	34	6	3	13
		40	6	7	2	HABC80	19	43	6	8	2	HL94	29	27	5	2	1			32	6	8	13
EZ81	6	34	6	1	2			35	6	2	2	HM04	6	35	6	1	1	LCL80	4	37	6	9	2
		34	6	7	2			35	6	1	2	HY90	35	33	7	5	1			44	6	2	2
EZ90	6	44	6	1	1			35	6	6	2	KT32	25	34	6	5	3	LCL82	11	33	6	3	2
		44	6	6	1	HBC90	12	39	6	1	1	KT63	6	54	6	5	3			39	6	1	2
G180/ZM	50	*99	3	5	3			64	6	5	1	KT66	6	39	6	5	3	LCL84	10	25	6	8	2
*Tube good if it reads 60 or more.								64	6	6	1	KT88	6	35	6	5	3			25	6	1	2
*Normally shows short position 11.						HBC91	12	40	6	1	1	KTZ63	6	50	6	10	3	LCL85	10	29	6	9	2
*Normally shows grid emission.								67	6	5	1	L63	6	42	6	5	3			29	6	2	2
GZ30	5	*36	6	4	3			67	6	6	1	L77	6	41	1	6	1	LF183	4	30	3	2	2
		*36	6	6	3	HCC85	17	32	6	2	2	LC900	3	27	2	1	1	LF184	4	29	3	2	2
*Normally shows short position 8-11.								32	6	7	2	LCF80	6	31	6	2	2	LFL200	11	30	6	1	13
						HCH81	12	32	6	2	2			34	6	9	2			30	6	8	13
								35	6	9		LCF200	5	32	6	3	13	LL86	10	*30	1	2	2
														38	6	10	13	*Normally shows short position 1-8.					
ECL82-LL86																							

ECL82-LL86

■ Use TC-62B Adapter.

Normal shorts refer to position of "C" switch.

■ Use TC-62B Adapter

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
LL500♦	18	*26	1	2	10	N17	3	*48	5	3	6	OBC3	12	42	6	2	8	PABC80	9	43	6	8	2
*May show short position 3-6-7-8.						*Normally shows short position 2-6.																	
LL505♦	27	*26	1	8	10	N18	3	*42	5	3	6			71	6	4	8			35	6	2	2
*Normally shows short position 2-3-6-7.						*Normally shows short position 2-6.						OF1	6	47	6	10	3			35	6	6	2
						N19	3	45	5	6	6	OH4	12	45	6	5	3	PC86	4	29	3	6	7
LL521♦	21	*25	1	8	10	N152	20	*32	8	2	2	OSW2190	6	33	6	4	3	PC88	4	*85	7	8	2
*Normally shows short position 2-3-6-7.						*Normally shows short position 1-6-9.						OSW2192	6	32	6	4	3	*Normally shows short position 1-3-7-9.					
LL802	10	*29	7	2	2	N329	16	71	2	9	2	OSW2600	6	33	6	4	3	PC-95	4	33	1	2	1
*Normally shows short position 3-9.						N709	6	33	1	2	2	OSW2601	6	32	6	4	3						
LN152	6	37	6	9	2	NCC189	4	30	6	2	2	OSW3105	6	42	6	2	8	PC97	5	33	1	2	1
		44	6	2	2			30	6	7	2			71	6	4	8	PC900	4	27	2	1	1
LY-81	11	30	2	9	2	NR67	6	44	6	10	3	OSW3106	6	41	6	5	3	PCC84	7	33	8	2	2
LY88*	22	27	7	3	7	NR78	6	46	6	5	3	OSW3108	6	37	6	5	3			33	8	6	2
*If no test, use alternate settings.						NR78A	6	42	6	5	3							PCC85	9	32	6	2	2
LY88	22	27	3	7	7	NR81	6	52	6	10	3	OSW3109	6	48	6	3	3			32	6	7	2
LY500■	28	26	2	5	8	NR83	6	50	6	10	3			48	6	5	3	PCC88	7	31	6	2	2
LZ319	9	45	6	5	3	NR85	6	54	6	5	3	OSW3111	6	40	6	4	3			31	6	7	2
M8081	6	34	6	5	1	NR95	25	34	6	5	3	OSW3112	6	42	6	5	3	PCC89	7	29	2	6	2
		34	6	6	1	NU20	5	*51	6	4	3									29	6	2	2
M8100	6	33	2	1	1			*51	6	6	3							PCC189	7	30	6	2	2
N14	1	54	6	5	3	*Normally shows short position 8-11.														30	6	7	2

♦Use TC-80 Adapter

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
PCF80	9	31	6	2	2	PCL84	15	25	6	8	2	PL500♦	28	*26	1	2	10	PY81	17	30	2	9	2
PCF82	9	34	6	9	2	PCL85	18	25	6	1	2	*May show short position 3-6-7-8.						PY82	19	29	6	9	2
PCF86	7	33	6	9	2	PCL86	14	29	6	2	2	PL505♦	40	*26	1	8	10	PY88*	30	27	7	3	7
PCF200	8	25	1	6	2	PD500♦	9	30	6	1	2	*Normally shows short position 2-3-6-7.						*If no test, use alternate settings.					
PCF201	8	32	6	3	13	*Normally shows short position 2-3-6-7-9.						PL508♦	17	28	1	8	10	PY88	30	27	3	7	7
PCF801	8	38	6	10	13	PF9	6	*54	6	8	10	PL509♦	30	*26	1	8	10	PY500■	42	26	2	5	8
PCF802	9	30	6	3	13	PF86	4	52	6	10	3	*Normally shows short position 2-3-6-7.						QA240	6	41	1	6	1
PCF805	7	40	6	10	13	PFL200	16	30	6	1	13	PL521♦	29	*25	1	8	10	QA2404	6	33	6	2	1
PCH200	9	24	3	2	2	PH4	6	35	2	9	2	*Normally shows short position 2-3-6-7.						QA2406	12	32	10	2	2
PCL82	16	26	3	9	2	PL36	25	30	6	2	13	PL802	16	*29	7	2	2	QA2407	6	32	10	7	2
		34	6	9	2	PL81	19	30	6	2	3	*Normally shows short position 3-9.						QA2408	6	44	6	1	1
		33	9	9	2	PL82	16	45	6	5	3	PL820	19	*32	8	2	2	QE03/10	6	44	6	4	8
		30	9	7	2	PL83	12	27	6	5	3	*Normally shows short pos. 1-6-9						QE05/40	6	33	9	9	2
		32	6	8	13	*Normally shows short position 1-6-9.						PM04	6	33	2	1	1	*Normally shows short position 4-6.					
		39	6	1	2	PL84	15	71	2	9	2	PM05	6	33	2	1	1						
						*Normally shows short position 7-8.						PY32	29	25	7	3	3						
												PY80	19	25	7	5	3						
														29	6	9	2						

LL500—QE05/40

♦Use TC-80 Adapter

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

■Use TC-62-B Adapter

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
QS150/40	50	*99	3	5	3	U50	5	*51	6	4	3	UABC80	25	43	6	8	2	UU12	6	34	6	1	2
*Tube good if it reads 60 or more.								*51	6	6	3			35	6	2	2			34	6	7	2
*Normally shows short position 11.						*Normally shows short position 8-11.								35	6	1	2	UY82	50	29	6	9	2
*Normally shows grid emission.						U52	5	*40	6	4	3			35	6	6	2	UY85	38	35	1	6	7
QV03/12	6	33	9	9	2			*40	6	6	3	UBF80	17	30	6	2	2	V2M70	6	44	6	1	1
QV06/20	6	*38	1	5	3	*Normally shows short position 8-11.								65	6	7	2			44	6	6	1
*Normally shows short position 4-6.						U54	5	*30	6	4	3			65	6	8	2	V-884	6	35	6	1	1
R52	5	*36	6	4	3			*30	6	6	3	UCC84	22	33	8	2	2	VP6	6	35	6	1	1
		*36	6	6	3	*Normally shows short position 8-11.								33	8	6	2	VP1321	12	*55	1	5	1
*Normally shows short position 8-11.						U78	6	44	6	1	1	UCC85	25	32	6	2	2	*Normally shows short position 2-7.					
SN7	1	*96	3	10	3			44	6	6	1			32	6	7	2	VR-75	50	*70	3	5	3
*Normally shows short position 5-8-11.						U147	6	40	6	3	3	UCF80	25	31	6	2	2	*Normally shows short position 11.					
SP6	6	30	6	1	1			40	6	5	3			34	6	9	2	*Normally shows grid emission.					
T2M05	6	34	6	5	1	U149	6	45	6	3	4	UCH81	19	32	6	2	2	VR-90	50	*69	3	5	3
								45	6	6	4			35	6	9	2	*Normally shows short position 11.					
		34	6	6	1	U153	17	30	2	9	2	UCL82	50	33	6	3	2	*Normally shows grid emission.					
TS51	6	33	2	1	1	U154	19	29	6	9	2			39	6	1	2	VR-105	50	*85	3	5	3
TS52	6	34	6	5	1	U192	19	29	6	9	2	UF86	12	40	2	9	2	*Normally shows short position 11.					
		34	6	6	1	U709	6	34	6	1	2							*Normally shows grid emission.					
TS-876C	6	*28	1	2	2			34	6	7	2	UF89	12	34	1	2	2						
*Normally shows short position 3-9.						UAA91	19	33	6	2	1	UL84	50	33	1	2	2						
								33	6	7	1												

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

TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
VR-150	50	*99	3	5	3	VT93	6	55	6	10	3	VT112	6	33	6	4	3	X727	6	36	6	1	1
*Tube good if it reads 60 or more.								65	6	4	3	VT114	5	*38	6	4	3	XB767A	6	34	6	5	3
*Normally shows short position 11.								65	6	5	3			*38	6	4	3	XC95	2	33	1	2	1
*Normally shows grid emission.						VT94	6	42	6	5	3	*Normally shows short position 8-11.						XC97	2	33	1	2	1
VT52	7	41	6	5	3	VT96	6	47	6	4	3	VT115	6	37	6	5	3	XC900	2	27	2	1	1
VT65	6	46	6	5	3			47	6	5	3	VT116	6	35	6	4	3	XCC189	4	30	6	2	2
VT66	6	54	6	5	3	VT97	5	*52	6	4	3	VT117	6	40	6	4	3			30	6	7	2
VT74	5	*36	6	4	3			*52	6	6	3	VT124	1	55	6	5	3	XCF80	4	31	6	2	2
*Normally shows short position 8-11.						*Normally shows short position 8-11.						VT125	1	54	6	5	3			34	6	9	2
VT86	6	52	6	10	3	VT99	6	45	6	5	3	VT126	6	40	6	3	3	XCF86	5	24	3	2	2
VT87	6	44	6	10	3			45	6	10	3			40	6	5	3			25	1	6	2
VT88	6	52	6	10	3	VT102	6	41	6	5	3	VT134	12	45	6	5	3	XCF801	4	24	3	2	2
		63	6	4	3	VT103	6	42	6	2	8	W17	1	55	5	6	6			26	3	9	2
		63	6	5	3			71	6	4	8	W77	6	35	6	1	1	XCH81	3	85	6	1	2
VT90	6	48	6	3	3			71	6	5	8	W149	6	45	6	6	4			38	6	9	2
		48	6	5	3	VT104	12	42	6	2	8	W719	6	33	1	2	2	XCL82	8	33	6	3	2
VT91	6	50	6	10	3			71	6	4	8	W727	6	33	2	1	1			39	6	1	2
								71	6	5	8	X63(M)	6	45	6	5	3	XCL84	8	25	6	8	2
						VT105	6	48	6	3	8	X73(M)	6	45	6	5	3			25	6	1	2
								48	6	4	8	X107	19	35	6	1	1	XCL85	18	29	6	9	2
						VT107	6	41	6	5	3	X155	6	30	6	2	2			29	6	2	2
														30	6	7	2	XF80	3	33	1	2	2

QS150/40-XF80

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	
XF85	3	33	1	2	2	XXD	12	41	6	4	4	YF183	4	30	3	2	2	ZD17	1	*55	5	3	6	
XF183	3	30	3	2	2			41	6	5	4	YF184	4	29	3	2	2	*Normally shows short position 2-6.						
XF184	3	29	3	2	2	XXFM	6	43	6	3	4							ZD25	1	58	6	6	6	
XL36	12	*25	9	5	3			36	6	5	4	YL1371	12	*40	1	5	3			70	6	3	6	
*Normally shows short position 1-4.								35	6	6	4	*Normally shows short position 4-6							ZD151	6	37	6	2	2
XL84	8	33	1	2	2	XXL	6	41	6	6	4	Z14	2	53	6	10	3			64	6	7	2	
XL86	8	*30	1	2	2	XY88*	16	30	7	3	7	Z63	6	50	6	10	3			64	6	8	2	
*Normally shows short position 7-8.						*If no test, use alternate settings.						Z152	6	33	1	2	2	ZD152	6	37	6	2	2	
XL500♦	13	*26	1	2	10	XY88	16	30	3	7	7	Z719	6	33	1	2	2			64	6	7	2	
*May show short position 3-6-7-8.												Z729	6	40	2	9	2			64	6	8	2	