

### INSTRUCTIONS FOR MODEL 600 TUBE TESTER

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

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

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

These adapters are available through your local electronic distributor.

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



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
OA3	50	*65	3	5	3	OD3A	50	*99	3	5	3	1AU3	1	*99	9	10	3	1BG2	1	*95	6	10	2
*Normally shows short position 11. *Normally shows grid emission.						*Tube good if it reads 60 or more *Normally shows short position 11 *Normally shows grid emission.						*Tube good if it reads 15 or more. *Ignore all shorts except on position 10.						*Insert leads into pins 4 & 5 of socket #2. Top cap goes to top lead.					
OA3A	50	*65	3	5	3	1A3	2	*70	2	6	6	1AX2	1	*99	1	10	7	1BH2*	1	95	6	10	9
*Normally shows short position 11 *Normally shows grid emission						*Normally shows short position 5-11.						*Tube good if it reads 20 or more. *Normally shows short position 6-11.						*Connect two leads from solder lugs of the 1BH2 to pin holes No. 1 and 12 of Socket No. 9.					
OB3	50	*62	3	5	3	1A5	2	53	6	5	3	1AY2*	1	95	6	10	9	1BQ2	1	*99	1	10	7
*Normally shows short position 11 *Normally shows grid emission.						1A7						*Connect two leads from 1AY2 bottom pins to pin holes No. 1 and 12 of Socket No. 9.						*Tube good if it reads 40 or more. Normally shows short position 6-11.					
OC3	50	*75	3	5	3	1AB6	1	54	6	4	6	1B3	1	*98	3	10	3	1C1	1	57	5	4	6
*Normally shows short position 11 *Normally shows grid emission.						1AC6						*Ignore all shorts except on position 10.						1C5					
OC3A	50	*75	3	5	3	1AD2▽	1	*99	5	10	3	1B7	1	55	6	5	3	1C7	2	54	6	5	3
*Normally shows short position 11. *Normally shows grid emission.						*Tube good if it reads 15 or more.						1BC2						1D5					
OD3	50	*99	3	5	3	1AF4	1	50	5	6	6	1B3	1	*98	3	10	3	1D8	2	53	6	5	3
*Tube good if it reads 60 or more. *Normally shows short position 11. *Normally shows grid emission						1AH5						*Normally shows short position 6-11. **Tube good if it reads 40 or more.						1DK29					
						1AJ4	1	58	5	6	6	1B7	1	55	6	5	3	1D8	2	53	6	5	3
						1AN5	1	40	5	6	6	1BC2	1	**99*	1	10	7	1D8	2	55	6	10	3
						1AU2	1	*100	1	9	2	1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3
												1B7	1	55	6	5	3	1D8	2	75	6	8	3



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
2AV2	2 *99	6	1	7		2DL4	2 *85	7	8	2		2EV5	2 33	2	1	1		3A3	3 *99	3	10	3	
*Tube good if it reads 30 or more.						*Normally shows short position 1-3-7-9.						2FH5						*Tube good if it reads 40 or more.					
2AZ2	2 *99	1	10	7		*For grid emission turn C switch to position 4.						2FQ5						*Ignore all shorts except on position 10.					
*Normally shows short position 6-11.						2DS4	2 *87	6	2	5		2FQ5A						3A3A					
2B3	2 95	9	10	3		*Normally shows short position 2-6						2FS5						*Tube good if it reads 40 or more.					
2BA2	2 92	6	1	7		2DX4	2 *69	1	7	1		2FV6						*Ignore all shorts except on position 10.					
*Tube good if it reads 45 or more.						*Normally shows short position 1-7						2FY5						3A4					
2BJ2	2 **99*	1	10	7		2DY4	2 *33	2	6	1		2GK5						*Normally shows short position 2-6.					
**Normally shows short position 6-11.						*Normally shows short position 1-7						2GU5						3A5					
2BN4	2 *33	2	7	1		2DZ4	2 *31	7	2	1		2H5						3A8					
*Normally shows short position 1-6.						*Normally shows short position 1-7						2HM5						3AF4					
2BU2	2 *90	5	10	3		2E26	6 *40	1	5	3		2HQ5						*Normally shows short position 1-7.					
*Tube good if it reads 40 or more.						*Normally shows short position 4-6.						2HR8						3AJ8					
2CN3A	2 *94	5	10	3		2EA5	2 33	2	1	1		2T4						3AL5					
*Normally shows short position 3-11.						*For grid emission turn C switch to position 4.						2EN5						3ER5					
2CW4	2 *87	6	2	5		2EG4	2 *80	6	2	5		2ES5						3EJ7					
*For Grid Emission Turn C Switch Position 4.						*Normally shows short position 1-7						2ER5						3EJ7					
2CY5	2 35	2	1	1		*Normally shows short position 1-7.						2ES5						3EJ7					
2D21	6 32	5	1	1		*Normally shows short position 6-11.						2ES5						3EJ7					

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

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

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



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
3AT2	3 **97*	9	10	9		3BL2	3 *90	9	10	9		3C2	3 *90	5	10	3		3DB3	3 *99	1	10	3	
*Normally shows short position 2-5-6-9-11.						*Normally shows short position 2-5-6-9-11.						*Normally shows short position 4-6-8-11.						*Tube good if it reads 40 or more.					
**Tube good if it reads 40 or more.						3BM2	3 90	5	10	3		*Ignore all shorts except on position 10.						*Ignore all shorts except position 10.					
3AU6	3 33	6	1	1		3BN2	3 *99	5	10	3		*Tube good if it reads 40 or more.						*Tube good if it reads 40 or more.					
*Tube good if it reads 40 or more.						*Normally shows short position 1-6.						*Ignore all shorts except on position 10.						3DG4					
3AV6	3 40	6	1	1		3BN4	3 *33	2	7	1		*Normally shows short position 3-11.						3DJ3					
*Tube good if it reads 40 or more.						*Normally shows short position 1-6.						*Ignore all shorts except on position 10.						*No short test.					
3AW2	3 93	5	10	3		3BN6	3 99	6	5	1		*Normally shows short position 3-11.						3DK6					
3AW3	3 *99	3	10	3		3BS2	3 94	5	10	3		*Normally shows short position 3-11.						3DT6					
*Tube good if it reads 40 or more.						*Tube good if it reads 40 or more.						*Normally shows short position 3-11.						3DX4					
*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		3BS2A	3 94	5	10	3		*Ignore all shorts except on position 10.						3DY4					
*Tube good if it reads 40 or more.						*Tube good if it reads 40 or more.						*Ignore all shorts except on position 10.						*Normally shows short position 1-7					
3BA6	3 33	2	1	1		3BT2	3 *95	5	10	3		*Normally shows short position 3-11.						3DZ4					
3BC5	3 35	2	1	1		3BU8	3 33	6	7	2		*Normally shows short position 3-11.						*Normally shows short position 1-7					
3BE6	3 35	6	1	1		3BW2	3 *95	5	10	3		*Normally shows short position 3-11.						*Normally shows short position 1-7					
*Tube good if it reads 40 or more.						*Tube good if it reads 40 or more.						*Normally shows short position 3-11.						3EA5					
3BX6	3 33	1	2	2		3BX6	3 33	1	2	2		*Ignore all shorts except on position 10.						3EH7					
3BY6	3 35	6	1	1		3BY6	3 35	6	1	1		*Normally shows short position 3-11.						3EJ7					
3BY7	3 33	1	2	2		3BY7	3 33	1	2	2		*Normally shows short position 3-11.						3EJ7					
3BZ6	3 31	6	1	1		3BZ6	3 31	6	1	1		*Normally shows short position 3-11.						3EJ7					
*Tube good if it reads 40 or more.						*Tube good if it reads 40 or more.						*Normally shows short position 3-11.						3EJ7					
3CY5	3 35	2	1	1		3CS6	3 35	6	1	1		*Normally shows short position 3-11.						3EJ7					
3CZ3	3 98	9	10	3		3CU3	3 *90	9	10	3		*Normally shows short position 3-11.						3EJ7					
3D6	2 43	8	6	4		3CY5	3 35	2	1	1		*Normally shows short position 3-11.						3EJ7					

**2AV2-3EJ7**

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

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

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







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

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

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

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



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

**5AW4-5Y3**

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

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

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







TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket					
6BA3	6	36	2	5	18	6BD6	6	43	6	1	1	6BG6	6	36	6	5	3	6BK4BΔ	6	87	7	5	3					
6BA6	6	33	2	1	1	6BD11	6	26	6	1	9	6BH3	6	30	5	2	18	*Normally shows short position 1-4-6-8.					6BK5	6	37	3	7	2
6BA7	6	33	6	2	2			31	6	3	9	6BH3A	6	30	5	2	18											
6BA8	6	31	6	7	2			31	6	6	9	6BH6	6	33	6	1	1											
		37	6	2	2	6BE3	6	26	4	10	9	6BH8	6	34	6	7	2											
6BA11	6	29	6	4	9	6BE6	6	35	6	1	1			33	6	2	2											
		37	6	9	9	6BE7	6	33	3	7	2	6BH11	6	27	6	4	9											
6B-814	6	*33	4	5	8	6BE8	6	*33	6	9	2			27	6	6	9											
					*May show short on 1-2-6-10.					*Normally shows short position 3.																		
					*Connect plate cap lead to top of tube.																							
6BC4	6	28	3	7	7	6BF5	6	39	1	7	1	6BJ6	6	34	6	1	1											
6BC5	6	35	2	1	1	6BF6	6	50	6	1	1	6BJ7	6	33	6	2	2											
6BC7	6	32	6	2	2			78	6	5	1			33	6	6	2											
		32	6	6	2	6BF8	6	32	6	1	2	6BJ8	6	33	6	8	2											
		32	6	8	2			32	6	2	2			38	6	8	2											
6BC8	6	33	6	2	2			32	6	3	2			34	6	1	2											
		33	6	7	2			32	6	7	2	6BK6	6	39	6	1	1											
6BC32	6	40	6	1	1			32	6	8	2	*Normally shows short position 1-4-6-8.																
		67	6	5	1	6BF11	6	25	6	3	9	6BK4Δ	6	87	7	5	3											
6BD5	6	33	6	1	3			25	6	8	9	6BK4AΔ	6	87	7	5	3											

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



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	
6BN5	6	*39	1	2	2			72	6	5	1	6BW11	6	30	6	1	9	6C5	6	46	1	5	3	
					*Normally shows short position 6-8.																			
6BN6	6	99	6	5	1	6BT8	6	33	6	8	2	6BX6	6	33	1	2	2	6C8	6	45	6	5	3	
6BN8	6	35	6	8	2			57	6	1	2	6BX7	6	36	6	1	8	6C9	6	28	7	1	2	
		35	6	1	2			57	6	2	2			36	6	4	8							
		35	6	6	2	6BU6	6	50	6	1	1	6BX8	6	33	6	2	2	6C10	6	42	6	1	9	
6BN11	6	25	6	3	9			78	6	5	1			33	6	7	2							
		25	6	7	9	6BU8	6	78	6	6	1	6BY5	5	38	6	4	3							
6BQ5	6	33	1	2	2	6BV8	6	33	6	7	2			38	6	5	3	6CA4	6	34	6	1	2	
6BQ6	6	35	6	5	3			31	6	2	2	6BY6	6	35	6	1	1							
		32	6	2	2			33	6	6	2			35	6	1	1							
6BR3	6	30	2	9	2	6BW3	6	33	6	6	2	6BY7	6	33	1	2	2	6CA5	6	32	2	5	1	
6BR8	6	32	6	9	2	6BV11	6	28	4	10	9	6BY8	6	34	6	1	2	6CA7	6	35	6	5	3	
		31	6	1	2			27	6	6	9			34	6	6	2	6CA11	6	35	9	3	9	
		31	6	1	2			27	6	7	9	6BY11	6	32	6	3	9							
6BS3	6	27	2	5	18	6BW4	6	50	6	1	2			32	6	8	9							
6BS3A	6	27	2	5	18			50	6	7	2	6BZ6	6	31	6	1	1	6CB5	6	*35	4	5	3	
6BS8	6	32	6	2	2	6BW6	6	50	2	1	2	6BZ3	6	28	4	10	9	*Normally shows short position 1-3-6-8.						
		32	6	7	2	6BW8	6	33	2	6	2	6BZ7	6	32	6	2	2							
		32	6	7	2			34	8	1	2			32	6	7	2	6CB6	6	33	6	1	1	
6BT6	6	39	6	1	1			34	8	3	2	6BZ8	6	30	6	2	2	6CC10	6	44	6	1	8	
		39	6	1	1			34	8	3	2			30	6	7	2							
		39	6	1	1			34	8	3	2	6C4	6	41	1	6	1							

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



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
6CD3	6	*27	4	10	9	6CK6	6	30	6	2	2	6CQ4	6	32	6	5	8	6CW5	6	*30	1	2	2
*Some tubes may show short position 5-6-8-9.						6CL3	6	27	5	2	18	6CQ6	6	35	6	1	1	*May show short position 6-7-8-9.					
6CD6	6	33	6	5	3	6CL5	6	*35	4	5	3	6CQ8	6	33	6	2	2	6CW7	6	33	8	2	2
6CE3	6	27	4	10	9	*Normally shows short position 1-3-6-8.						6CR6	6	33	6	9	2	6CX8	6	33	6	7	2
6CE5	6	35	2	1	1	6CL6	6	*32	2	9	2	6CR8	6	72	6	2	1	6CY5	6	34	6	2	2
6CF6	6	33	6	1	1	*Normally shows short position 3-8.						6CR8	6	*32	6	2	2	6CY7	6	35	2	1	1
6CG3	6	26	4	10	9	6CL8	6	32	6	9	2	*Normally shows short position 8.						6CZ5	6	42	3	6	2
6CG7	6	45	6	2	2	6CM3	6	30	5	2	18	6CS6	6	35	6	1	1	6D2	6	33	6	2	1
6CG8	6	30	3	9	2	6CM4	6	29	3	6	7	6CT3	6	34	6	3	2	6D4	6	33	6	7	1
6CH3	6	26	5	2	18	6CM5	6	*32	4	5	3	6CU5	6	32	2	6	2	6D8	6	43	6	1	1
6CH5	6	28	6	2	2	*Normally Shows Short Position 3-8.						6CU6	6	*33	2	5	1	6D10	6	45	6	5	3
6CH8	6	33	6	7	2	6CM6	6	40	3	6	2	*It may show short pin 1-11.						6DA4	6	32	6	7	9
6CJ3	6	36	6	8	2	6CM7	6	40	6	7	2	6CU8	6	35	6	5	3	6DA6	6	32	6	9	9
6CJ6	6	25	2	5	18	6CM8	6	33	6	2	2	6CW4	6	32	1	7	2	6DB5	6	33	6	5	8
*Normally shows short position 1-6-9.						6CN6	6	38	6	9	2	*For Grid Emission Turn						6DB6	6	34	1	2	2
6CK3	6	25	2	5	18	6CN7	6	29	6	5	3	C Switch Position 4.						*Normally shows short position 2-7.					
6CK4	6	34	1	3	3	33	10	1	2	2													

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



TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
6DC6	6	32	6	1	1	6DN7	6	36	6	1	8	6DT5	6	*38	3	6	2	6EA4*	6	85	7	4	9
6DC8	6	33	6	2	2	6DQ4	6	44	6	4	8	*Normally shows short position 7-11.						*Insert a 2.7K 1W 5% resistor from pin hole No. 4 to No. 6 of socket No. 4. Remove resistor after test is completed.					
6DE4	6	72	6	7	2	6DQ5	6	32	6	5	8	6DT6	6	33	6	1	1	*Normally shows short position 1-2-5-9.					
6DE6	6	72	6	8	2	6DQ6	6	*35	5	1	3	6DT8	6	30	6	2	2	6EA5	6	33	2	1	1
6DE7	6	34	6	5	8	*Normally shows short position 3-4-6-8.						6DW4	6	30	6	7	2	6EA7	6	35	6	1	8
6DE8	6	30	6	1	1	6DR7	6	34	6	5	3	6DX4	6	*69	1	7	1	6EA8	6	39	6	4	8
6DG6	6	44	2	7	2	6DR8	6	30	6	5	3	6DY4	6	25	6	1	2	6EB5	6	30	6	2	2
6DJ8	6	32	6	5	3	6DS4	6	32	2	3	2	*Normally shows short position 2-6						6EB8	6	31	6	9	2
6DK6	6	31	6	7	2	6DS5	6	41	2	7	2	6DZ4	6	*33	2	6	1	6ED4	6	52	6	2	1
6DL4	6	33	6	1	1	*For Grid Emission Turn						6DY5	6	71	2	9	2	*Normally shows short position 1-7					
*Normally shows short position 1-3-7-9.						6DS8	6	*87	6	2	5	6DZ7	6	25	6	8	2	6EB8	6	52	6	7	1
6DL5	6	31	6	7	2	C Switch Position 4.						6DZ8	6	*31	7	2	1	*Normally shows short position 1-2-3-5-6.					
6DM4	6	33	6	1	1	6DS5	6	33	1	7	1	*Normally shows short position 1-7						6EC4	6	34	6	2	2
6DN3	6	30	6	5	8	6DS8	6	40	6	1	3	6DZ7	6	40	6	5	3	**Use only TC-62B Adapter.					
6DN6	6	31	2	5	8	6DR4	6	34	6	9	2	6DZ8	6	40	6	5	3	6ED4	6	**54	6	10	8
6DL5	6	34	1	7	1	6DT14	6	51	1	6	1	*Normally shows short position 1-2-3-5-6.						**Connect Plate Cap to Adapter.					

**6CD3-6ED4**  
 \*Normal Shorts refer to position of "C" Switch. Use TC-63 Adapter. Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)  
 † Do not connect Plate Cap to Adapter. Use TC-62-A Adapter. Use TC-70 Adapter. Use TC-75 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
6GY5	6	*25	5	9	9	6HC8	6	36	6	3	2	6HJ5	6	*26	3	1	9	6HT5	6	*56	2	6	9
*Normally shows short position 1-3-4-7-10						6HD5	6	*27	3	1	9	*Normally shows short position 4-5-9-10						6HT6	6	28	3	2	2
6GY6	6	27	6	1	1	*Normally shows short position 4-5-9-10						6HJ7	6	*82	1	7	2	6HU6	6	*55	2	1	2
6GY8	6	*32	6	1	2	6HD7	6	30	1	2	2	*For grid emission turn C switch to position 2.						6HU8	6	29	6	2	2
*32 6 3 2						6HE5	6	*32	10	2	9	6HJ8	6	29	6	2	2	6HV5	6	*32	2	1	9
*94 6 6 2						*Normally shows short position 1-3-4-10						6HK5	6	27	2	1	1	*Must show short position 3-10.					
*Normally shows short position 11.						6HE7	6	25	11	9	9	6HL5	6	30	2	7	2	*May show short position 5-6-8-9.					
6GZ5	6	28	2	5	1	6HF5	6	*25	10	5	9	6HL8	6	32	9	2	2	6HW8	6	32	6	6	2
6H6	6	48	1	3	3	*Normally shows short position 1-3-4-6-8-10						6HM5	6	27	2	1	1	6HZ6	6	26	6	1	1
48 1 5 3						6HF8	6	24	6	7	2	6HM6	6	24	3	2	2	6HZ8	6	25	6	7	2
6H31	6	35	6	1	1	6HG5	6	38	1	7	1	6HQ5	6	29	2	1	1	6J5	6	42	1	5	3
6HA5	6	27	2	1	1	6HG8	6	24	3	2	2	6HR5	6	30	8	1	1	6J6	6	34	6	5	1
6HA6	6	*27	3	2	2	*Normally shows short position 1-3-4-6-8-10						6HR6	6	24	6	1	1	6J7	6	50	1	10	3
*Normally shows short position 6-8						6HJ5	6	25	1	6	2	6HS5	6	*26	2	1	9	6J9	6	26	6	2	2
6HB5	6	*25	1	3	9	6HF8	6	24	6	7	2	*Normally shows short position 3-10.						6J10	6	26	6	7	2
*Normally shows short position 4-10						6HJ8	6	25	6	2	2	6HS6	6	26	6	1	1	6J11	6	28	6	1	9
6HB6	6	*25	3	2	2	6HJ5	6	26	6	5	9	6HS8	6	30	6	7	2	6J11	6	26	6	5	9
*Normally shows short position 6-8						6HJ6	6	25	6	7	2	*May show short position 2-3.						6J11	6	26	6	1	9
6HB7	6	27	1	2	2	6J6	6	25	6	7	2	6J8	6	*29	10	5	9	6J11	6	25	6	7	2
27 1 9 2						6J8	6	25	6	7	2	*Normally shows short position 1-3-4-10						6J11	6	99	6	3	2

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



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
6J11	6	28	6	1	9	6JE6	6	*29	5	1	18	6JQ6	6	*35	8	8	2	6JW8	6	29	6	2	2
6JA8	6	26	6	1	9	*Normally shows short position 2-4.						6JR6	6	34	2	7	8	6JX8	6	26	6	2	2
Normally shows short position 1-3-4-10.						6JE8	6	25	6	7	2	6JS6	6	*29	10	5	9	6JY8	6	33	6	9	2
6JB5	6	*35	10	2	9	6JF6	6	*26	5	1	8	*Normally shows short position 1-3-4-10						6JZ6	6	30	6	2	2
6JB6	6	*29	5	1	18	6JG6	6	24	2	5	18	6JT6	6	27	2	5	18	*Some tubes may show short position 1-9.					
*Normally shows short position 2-4.						6JG6A	6	24	2	5	18	6JT6A	6	27	2	5	18	6JZ8	6	29	7	7	9
6JB6A	6	*29	5	1	18	6JH6	6	25	6	1	1	6JT8	6	25	2	7	2	6K5	6	40	7	10	9
*Normally shows short position 2-4.						6JH8	6	32	6	6	2	6JU6	6	27	5	1	18	6K6	6	41	6	5	3
6JC6	6	26	3	2	2	6JK6	6	26	6	1	1	6JU8	6	*42	2	1	2	6K7	6	52	1	10	3
6JC6A	6	26	3	2	2	6JK8	6	30	6	2	2	*Normally shows short position 8						6K8	6	35	1	5	3
6JC8	6	27	1	2	2	31 6 7 2						**Normally shows short position 2						6K11	6	35	6	1	9
6JD6	6	27	1	8	2	6JL6	6	26	6	1	1	6JU8A	6	*42	2	1	2	35 6 7 9					
6JE6C	6	*29	5	1	18	6JL8	6	35	6	2	2	**42 9 7 2						6KA8	6	26	6	6	2
*Normally shows short position 2-4.						6JM6	6	26	4	5	9	*Normally shows short position 8.						6KD6	6	*25	10	5	9
6JN6	6	27	4	1	9	6JN8	6	26	6	9	2	33 6 2 2						*Normally shows short position 1-3-4-10.					

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



TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket
6KD8	6	30	6	2	2	6KRBA	6	24	6	7	2	6KZ8	6	26	6	2	2	6LE8	6	35	6	1	2
6KE8	6	26	6	2	2	6KS6	6	26	6	2	2	6L5	6	53	6	5	3	6LF6	6	29	6	9	2
6KG6	6	*26	11	4	8	6KS8	6	*27	6	7	2	6L7	6	44	1	10	3	6LF8	6	*31	5	9	9
*Normally shows short position 1-2-5-6.						*It may show short position 1-6.						*Normally shows short position 3-8.						*May show short position 1-3-4-7-10.					
6KF8	6	38	6	7	2	6KT6	6	25	1	2	2	6L12	6	32	6	2	2	6L6	6	42	6	2	2
6KLB	6	30	6	2	2	6KT8	6	28	6	7	2	6L41	6	33	9	9	2	6LG6	6	*32	10	5	9
6KM6	6	*27	5	1	8	6KU8	6	22	6	7	2	6L43	6	*32	2	9	2	6LH5Δ	6	87	6	5	3
*Normally shows short position 2-4.						65 6 2 2						*Normally shows short position 1-3-4-10.						*May show short position 1-3-4-7-10.					
6KM8	6	31	6	7	2	6KV6	6	28	4	5	8	6LB6	6	*28	10	5	9	6LJ5Δ	6	87	6	5	3
6KN6	6	*28	10	5	9	6KV8	6	27	6	7	2	*Normally shows short position 3-9.						6LJ8	6	*95	3	2	2
*Normally shows short position 1-3-4-10.						65 6 3 2						6LB8						*For grid emission turn C switch position 1.					
6KN8	6	86	6	1	2	6KW6	6	28	11	4	18	6LC6Δ	6	87	6	5	3	**For grid emission turn C switch position 9.					
6KR8	6	24	6	7	2	6KY6	6	27	3	2	2	6LC8	6	25	3	6	2	6LM8	6	28	6	2	2
		26	6	2	2	6KY8	6	27	6	5	18	6LD6	6	*29	7	2	2	6LN8	6	31	6	2	2
						6KY8A	6	27	6	5	18	6LD12	6	43	6	8	2						
						6L6	6	37	1	5	3												

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



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	O	Socket
6LQ6	6	29	5	1	18	6MB8	6	27	6	9	2	6MU8	6	31	6	2	2	6M-P18	6	35	1	7	1
*Normally shows short position 2-4.						30 6 1 2						6N3						6MP20					
6LQ8	6	26	6	7	2	6MD8	6	35	6	1	8	6N7	6	29	6	9	2	6MQ8	6	30	6	2	2
6LR6	6	*32	10	5	9		35 6 3 8	6N8						6MR8									
*May show short position 1-3-4-7-10.						35 6 10 8						6						6					
6LR8	6	27	6	5	8	6ME8	6	30	6	6	2	6N8	6	37	6	2	2						
6LT8	6	29	6	3	8	6MF8	6	35	7	7	9												
		26	8	9	2	6MG8	6	34	7	10	9	6NK7GT	6	40	6	4	3	6R-A6	6	35	6	7	7
		30	1	6	2		33 6 9 2	6N8						6R-A9									
6LU8	6	30	1	8	2	6M-HH3	6	27	6	5	1	6P15	6	33	1	2	2	6R-B11	6	32	3	6	7
6LX8	6	28	7	7	9	6MJ8	6	27	6	6	1	6Q7	6	40	1	10	3	6R-HH2	6	27	6	2	2
6LY8	6	31	7	10	9		35 8 1 9	6N8						6R-HH8									
6M11	6	29	6	2	2		35 8 8 9	6N8						6									
		34	6	9	2	6MK8	6	34	6	7	2	6Q11	6	63	1	4	3	6R-K19	6	86	6	1	2
						6MN8	6	33	8	8	9												
							33 8 10 9	6N8						6R-P15									
						6M-L4	6	*33	2	6	1	6R3	6	30	2	9	2	6R-P22	6	*35	2	9	2
							32 8 1 9	6N8						*Normally shows short position 3-8.									
						6M-P17	6	35	7	1	1	6R4	6	35	6	1	2	6S2	6	*95	1	10	7
						*Normally shows short position 1-7.						63 1 4 3						*Normally shows short position 6-11.					
												6R7	6	52	1	10	3						

6KD8-6S2 \*Normal Shorts refer to position of "C" Switch. † Do not connect Plate Cap to Adapter. ▲ Use TC-63 Adapter. □ Use TC-62-A Adapter. ▼ Use TC-70 Adapter. ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)



TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	
6S4	6	37	3	6	2	6SQ7	6	42	1	2	8	6T8A	6	43	6	8	2	6V8	6	40	6	6	2	
6S7	6	47	1	10	3			82	1	4	8			35	6	2	2			32	6	6	2	2
6S8	6	45	5	10	8	6SR7	6	46	1	5	8	6T9	6	35	6	1	2			32	6	6	7	2
		62	5	1	8			68	1	4	8			35	6	6	6			61	6	6	9	2
		62	5	4	8							6T10	6	27	6	4	9			32	6	6	5	8
6SA7	6	63	2	3	8	6SS7	6	68	1	5	8			27	6	4	9	6W4	6	32	6	5	8	
6SB7Y	6	37	1	5	3	6ST7	6	46	1	4	3	6U6	6	33	6	3	9	6W6	6	35	6	5	3	
6SC7	6	34	1	5	3			52	1	2	8	6U7	6	27	6	8	9	6W7	6	50	6	10	3	
		48	1	3	8	6SU7	6	72	1	4	8			36	6	5	3	6X4	6	44	6	1	1	
		48	1	4	8			72	1	5	8	6U8	6	48	6	10	3			44	6	6	6	3
6SD7	6	35	6	4	3	6SZ7		44	1	2	8	6U10	6	33	6	2	2	6X5	6	40	1	5	3	
6SF5	6	41	1	3	8			44	1	2	8			33	6	9	2			40	1	5	3	
6SF7	6	46	1	2	8	6T4	6	72	1	4	8			33	6	9	2	6X6	6	48	6	3	3	
		69	1	5	8	6T8	6	72	1	5	8			39	6	7	9			48	6	5	3	
6SG7	6	34	5	4	3									25	6	9	9	6X8	6	30	6	7	2	
6SH7	6	33	5	4	3									39	6	1	9			32	6	2	2	
6SJ7	6	35	1	4	3																			
6SK7	6	40	1	4	3																			
6SL7	6	43	6	1	8																			
		43	6	4	8																			
6SN7	6	44	6	1	8																			
		44	6	4	8																			

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

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

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

21



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
6ZY5	6	43	6	3	3	7B6	6	40	4	3	4	7F7	6	45	6	4	4	7M-P18	7	35	1	7	1
		43	6	5	3			68	4	5	4			45	6	5	4	7N7	6	42	6	4	4
7A4	6	41	6	6	4	7B7	6	45	6	6	4	7FC7	7	29	6	2	2			42	6	5	4
7A5	6	34	6	6	4	7B8	6	42	6	4	4	7G7	6	29	2	6	2	7Q7	6	35	6	4	4
7A6	6	48	6	3	4									36	6	6	4	7R7	6	35	6	6	4
		48	6	6	4	7C4	6	53	6	4	4	7GS7	7	30	9	9	2			72	6	3	4
7A7	6	45	6	6	4	7C5	6	38	6	6	4			30	9	1	2			72	6	4	4
7A8	6	40	6	4	4	7C6	6	50	4	3	4	7GV7	7	33	9	9	2	7S7	6	38	6	6	4
7AD7	6	35	6	6	4			68	4	5	4			30	9	7	2			52	6	4	4
7AF7	6	41	6	4	4			68	4	6	4	7H7	6	35	6	6	4	7V7	6	32	6	6	4
		41	6	5	4	7C7	6	37	6	6	4	7HG8	7	24	3	2	2						
7AG7	6	32	6	6	4	7DJ8	7	31	6	2	2			25	1	6	2	7W7	6	31	4	6	4
7AH7	6	32	6	6	4									35	6	6	4	7X6	6	35	6	3	4
7AK7	6	33	6	6	4	7E6	6	40	4	3	4	7J7	6	35	6	6	4			35	6	6	4
7AN7	7	33	8	2	2			69	4	5	4	7K7	6	50	6	4	4	7X7	6	43	6	3	4
		33	8	6	2	7C7	6	37	6	6	4			45	6	4	4			36	6	5	4
7AU7	7	40	10	2	2																		
		40	10	7	2	7E7	6	47	6	6	4												
7B4	6	40	6	6	4			68	6	3	4	7KY6	7	27	3	2	2	7Y4	6	45	6	3	4
7B5	6	52	6	6	4	7ES8	7	30	6	2	2	7KZ6	7	26	3	2	2	7Z4	6	50	6	3	4
												7L7	6	36	6	6	4			50	6	6	4
6S4-8A8						7EY6	7	30	6	7	2							8A8	9	31	6	2	2
								35	6	5	3									34	6	9	2

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

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

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

22



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
8AC9	8	28	3	9	9	8B10	8	43	6	3	9	8BU11	8	28	6	8	9	8CX8	8	33	6	7	2
		47	3	2	9			43	6	5	9			28	6	4	9			34	6	2	2
		35	2	3	9			34	6	8	9			28	6	6	9			35	2	1	1
8AC10	8	30	6	1	9	8BA8	8	31	6	7	2	8CB11	8	28	6	5	9	8CY5	8	31	2	3	2
		30	6	7	9			37	6	2	2			28	6	10	9	8CY7	8	45	2	7	2
		30	6	9	9	8BA11	8	29	6	4	9	8CG7	8	45	6	2	2	8DE7	8	33	2	3	2
8AL9	8	30	6	5	9			37	6	9	9	8CH8	8	45	6	7	2			44	2	7	2
		28	6	1	9	8BH8	8	34	6	7	2			33	6	7	2	8DX8	8	25	6	8	2
8AR11	8	28	6	5	9			33	6	2	2	8CL8	8	32	6	9	2			25	6	1	2
		28	6	10	9	8BM11	8	29	6	6	9			32	6	1	2	8EB8	8	33	6	7	2
8AU8	8	31	6	7	2			29	6	1	9	8CM7	8	40	6	7	2			34	6	2	2
		32	6	2	2	8BN8	8	35	6	8	2			35	6	8	2	8EM5	8	36	3	6	2
8AV11	8	35	6	1	9			35	6	1	2	8CN7	8	44	10	7	2	8ET7	8	30	6	7	2
		35	6	7	9			35	6	6	2			33	10	1	2			82	6	2	2
		35	6	9	9	8BN11	8	25	6	3	9			33	10	2	2			82	6	3	2
8AW8	8	32	6	7	2			25	6	7	9	8CS7	8	34	6	3	2	8FQ7	8	36	6	2	2
		33	6	2	2	8BQ5	8	33	1	2	2			47	6	7	2			36	6	7	2
8B8	8	33	6	3	2	8BQ7	8	32	6	2	2	8CU8	8	32	1	7	2	8GJ7	8	24	3	2	2
		39	6	1	2	8BQ11	8	26	6	5	9			33	7	8	2			26	3	9	2
								26	6	10	9	8CW5	8	*30	1	2	2	8GM6	8	30	6	1	1
																		8GN8	8	33	6	7	2
																				35	6	2	2

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



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
8GU7	8	31	6	2	2	8JV8	8	25	6	7	2	8MD8	8	35	6	1	8	9AK10	9	30	6	1	9
		31	6	7	2			33	6	2	2			35	6	3	8			30	6	7	9
8GX7	8	26	3	2	2	8K11	8	35	6	1	9	8M-P12	8	34	6	1	1	9AQ8	9	32	6	2	2
		26	3	9	2			35	6	7	9	8MU8	8	31	6	2	2			32	6	7	2
8HA6	8	*27	3	2	2	8KA8	8	26	6	6	2			31	6	9	2	9AU7	9	40	10	2	2
								33	6	2	2	8R-HP1	8	33	6	3	2			40	10	7	2
						8KR8	8	24	6	7	2			39	6	1	2	9BJ11	9	26	6	1	9
								26	6	2	2	8RLP1	8	29	6	3	2			26	6	6	9
						8KS8	8	*27	6	7	2			36	6	1	2	9BR7	9	32	10	2	2
												8SN7	8	44	6	1	8			37	10	6	2
														44	6	4	8	9BR8	9	32	6	9	2
												9A8	9	31	6	2	2			31	6	1	2
														34	6	9	2	9CG8A	9	30	3	9	2
												9AH9	9	37	5	2	9			32	3	1	2
																		9CL8	9	32	6	9	2
												9AK8	9	43	6	8	2			32	6	1	2
														35	6	2	2	9DZ8	9	30	6	3	2
														35	6	1	2			37	6	1	2
														35	6	6	2	9EA8	9	30	6	2	2
																				31	6	9	2

**8AC9-9EA8**   
 \*Normal Shorts refer to position of "C" Switch. Do not connect Plate Cap to Adapter.   
 ▲ Use TC-63 Adapter.   
 □ Use TC-62-A Adapter.   
 ▼ Use TC-70 Adapter.   
 ■ Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.)



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

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



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
10HF8	10	24	6	7	2	10LE8	10	35	6	6	2	11BT11	11	27	7	1	9	11LT8	11	26	8	9	2
10JA8	10	25	6	7	2	10LW8	10	29	6	9	2			30	9	5	9						
10JT8	10	99	6	3	2	10LY8	10	27	6	7	2	11C5	12	26	9	3	9	11MS8	11	30	1	6	2
10JY8	11	34	6	2	2	10LZ8	10	26	6	7	2	11CA11	11	38	2	5	1						
10KR8	10	26	6	2	2	10T10	10	38	6	2	2			33	9	6	9						
10KU8	10	24	6	7	2	10Z10	10	34	6	2	2	11CY7	12	33	8	8	9	11R3	11	30	2	9	2
10LB8	10	26	6	2	2	11AR11	11	29	6	7	2			45	2	7	2	12A4	12	32	3	7	7
10LD6	10	65	6	2	2	11BM8	11	33	6	3	2	11DS5	11	33	1	7	1	12A6	12	45	6	5	3
10LD12	10	25	6	7	2	11BN11	11	27	6	8	9	11FY7	11	45	2	7	2	12A8	12	45	6	5	3
*Normally shows short position 3-9.						11BQ11	11	39	6	1	2	11JE8	11	25	9	3	9	12AB5	12	*42	3	6	2
		35	6	2	2			25	6	3	9	11HM7	10	25	9	10	9	*Normally shows short position 1-8.					
		35	6	1	2			28	6	5	9	11J8	11	25	7	2	2	12AC6	12	42	6	1	1
								28	6	10	9	11KV8	11	26	6	2	2	12AD6	12	35	6	1	1
								39	6	1	2	11LQ8	11	34	6	2	2	12AD7	12	40	10	2	2
								25	6	7	9			26	6	2	2						
								26	6	5	9			34	6	2	2	12AE6	12	40	10	7	2
								26	6	10	9			26	6	2	2						
														26	6	2	2	12AE7	12	52	6	1	1
														26	6	2	2						
														34	6	2	2	12AE10	12	66	6	5	1
														26	6	2	2						
														26	6	2	2						
														26	6	2	2						
														32	10	7	2						
														32	10	7	2						
														31	6	3	9						

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



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	
12AF3	12	32	2	9	2	12AT6	12	39	6	1	1	12AY3	12	30	5	2	18	12BF6	12	50	6	1	1	
12AF6	12	37	6	1	1			72	6	5	1	12AY3A	12	30	5	2	18							
12AF11	12	28	6	8	9	12AT7	12	72	6	6	1	12AY7	12	44	10	2	2							
		34	6	10	9			32	10	2	2			44	10	7	2	12BF11	12	66	6	6	1	
								32	10	7	2	12AZ7	12	33	10	2	2							
12AG6	12	35	6	1	1	12AU5	12	40	6	1	3			33	10	7	2							
12AH7	12	48	6	1	8	12AU6	12	33	6	1	1	12B4	12	35	3	7	7	12BH7	12	35	10	2	2	
		48	6	5	8	12AU7	12	40	10	2	2	12B7	12	45	6	6	4							
12AJ6	12	40	6	1	1			40	10	7	2	12BA6	12	33	2	1	1	12BK5	12	37	3	7	2	
		66	6	5	1	12AU8	12	31	6	7	2	12BA7	12	33	6	2	2	12BK6	12	39	6	1	1	
								32	6	2	2			28	6	4	9							
12AJ7	12	32	6	2	2	12AV5	12	33	6	1	3	12BA11	12	36	6	9	9							
		35	6	9	2	12AV6	12	40	6	1	1			*33	4	5	8	12BL6	12	57	6	6	1	
12AL5	12	33	6	2	1			78	6	5	1													
		33	6	7	1			78	6	6	1													
12AL8	12	34	6	3	2	12AV7	12	32	10	2	2													
		52	6	8	2			32	10	7	2	12BC32	12	40	6	1	1	12BL6	12	35	6	1	1	
12AL11	12	31	6	3	9	12AW6	12	38	6	1	1													
		27	6	8	9	12AX3	12	34	4	10	9													
12AQ5	12	35	1	7	1	12AX4	12	35	6	5	8													
12AS5	12	36	2	5	1	12AX7	12	42	10	2	2	12BD5	12	43	6	1	1	12BN6	12	99	6	5	1	
								42	10	7	2	12BE3	12	26	4	10	9	12BQ6	12	35	6	5	3	
												12BE6	12	35	6	1	1	12BR3	12	30	2	9	2	

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



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
12BT6	12	39	6	1	1			65	6	4	3	12DB5	12	*38	3	6	2	12DQ7	12	*32	7	2	2
		64	6	5	1	12C8Y	12	55	6	10	3			*Normally shows short position 2-7.									
12BU6	12	50	6	1	1			65	6	4	3	12DE8	12	36	6	1	2	12DS7	12	34	6	3	2
		66	6	5	1			65	6	5	3			34	6	3	2						
						12CA5	12	32	2	5	1	12DF5	12	52	10	1	2						
12BV7	12	*31	7	2	2	12CK3	12	25	2	5	18			52	10	6	2						
		*Normally shows short position 3-9.				12CL3	12	27	5	2	18	12DF7	12	40	10	2	2						
12BV11	12	27	6	6	9	12CM6	12	40	3	6	2			40	10	7	2						
		27	6	7	9	12CN5	12	33	2	5	1	12DJ8	12	31	6	2	2						
12BW4	12	50	6	1	2	12CR6	12	39	6	7	1			31	6	7	2						
		50	6	7	2			61	6	2	1	12DK6	12	33	6	1	1						
12BX6	12	33	1	2	2	12CS6	12	35	6	1	1	12DK7	12	33	9	1	2						
12BY7	12	*34	7	2	2	12CT3	12	32	2	6	2			80	9	6	2						
		*Normally shows short position 3-9.				12CT8	12	35	6	8	2	12DL8	12	80	9	9	2						
12BZ6	12	31	6	1	1			37	6	2	2			80	9	9	2						
12BZ7	12	35	10	2	2	12CU5	12	*33	2	5	1			35	6	3	2						
		35	10	7	2			*It may show short pin 1-11.				12DM4	12	30	6	5	8						
12C5	12	35	2	5	1	12CU6	12	35	6	5	3	12DQ4	12	32	6	5	8						
12C8	12	55	6	10	3	12CX6	12	30	6	1	1	12DQ6	12	34	6	5	3						
						12D4	12	33	6	5	8	12DQ6B	12	30	6	5	3						
12AF3-12DV8						12DA6	12	34	1	2	2												

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



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

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



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

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 † Do not connect Plate Cap to Adapter. Use TC-62-A Adapter. and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel.  
 Use TC-70 Adapter.

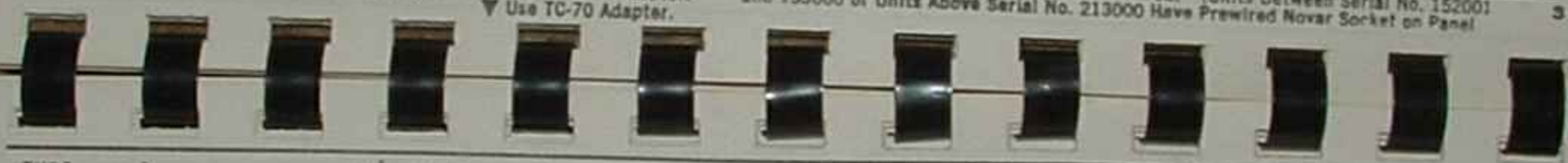


TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
12SX7	12	44	6	1	8	13DR7	12	32	2	3	2	13JT8	13	25	2	7	2	14BQ11	14	26	6	5	9
12SY7	12	44	6	4	8	13EM7	12	41	2	7	2	13JZ8	13	34	6	2	2	14BR11	14	26	6	10	9
12T10	12	39	6	5	3	13FD7	12	32	6	1	8	13SJ7	12	29	7	7	9			29	6	2	9
		33	6	3	9	13FG7	12	45	6	4	8	13V10	12	40	7	10	9			32	6	8	9
		27	6	8	9	13FM7	12	24	2	3	2	13Z10	13	35	6	4	3			36	6	10	9
12U7	12	40	10	2	2	13FR7	13	38	2	7	2	14A4	12	38	6	3	9	14C5	12	38	6	6	4
		40	10	7	2	13GB5	13	27	3	9	2	14A5	12	32	6	8	9	14C7	12	37	6	6	4
12V6	12	41	6	5	3	13GF7	13	27	3	1	2	14A7	12	30	6	1	9	14E6	12	40	4	3	4
12W6	12	35	6	5	3	13GF7A	13	25	3	8	9	14AF7	12	95	6	6	9			69	4	5	4
12X4	12	44	6	1	1	13J10	13	36	3	10	9	14B6	12	41	6	6	4			69	4	6	4
		44	6	6	1	13J10	13	25	2	3	2	14B8	12	34	6	6	4	14E7	12	47	6	6	4
13CM5	12	*25	9	5	3	13J10	13	35	2	7	2	14A7	12	45	6	6	4			68	6	3	4
*Normally shows short position 1-4.						13J10	13	*26	4	5	18	14AF7	12	41	6	4	4	14F7	12	68	6	4	4
13CW4	13	*87	6	2	5	*May show short position 1-2-6-10.						14B6	12	41	6	5	4			68	6	4	4
*For Grid Emission turn C switch						*Connect plate cap lead to the tube.						14B6	12	40	4	3	4	14GT8	14	45	6	4	4
position 4.														68	4	5	4			45	6	5	4
13D1	25	44	6	1	8	13GF7	13	26	6	5	18	14B8	12	68	4	6	4	14GW8	14	52	6	8	2
		44	6	4	8	13GF7A	13	41	6	3	18	14BF11	14	42	6	4	4			35	6	2	2
13DE7	12	33	2	3	2	13J10	13	26	6	5	18	14B8	12	25	6	3	9			35	6	6	2
		44	2	7	2	13J10	13	41	6	3	18	14BF11	14	25	6	3	9	14H7	12	26	6	8	2
13DF7	13	40	10	2	2	13J10	13	99	6	6	9	14BL11	14	25	6	8	9			30	6	1	2
		40	10	7	2			28	6	1	9			29	6	1	9			35	6	6	4
														29	6	3	9						

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

\*Normal Shorts refer to position of "C" Switch.    □ Use TC-62-A Adapter.    and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel

▼ Use TC-70 Adapter.



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
14J7	12	35	6	6	4	15A6	15	30	6	2	2	15FM7	15	25	3	8	9	16AK9	16	30	7	10	9
14JG8	14	50	6	4	4	15A8	15	36	6	4	3	15FY7	15	36	3	10	9			40	7	3	9
		45	6	8	2	15AF11	15	40	6	3	3	15GY5	15	25	9	3	9			30	7	8	9
		32	6	2	2			31	6	1	9			42	9	10	9	16AQ3*	16	30	7	3	7
		32	6	6	2	15BD11	15	31	6	6	9			*25	5	9	9	*If no test, use alternate settings.					
14N7	12	42	6	4	4			35	6	3	9							16AQ3	16	30	3	7	7
		42	6	5	4	15BD11A	15	26	6	1	9							16BQ11	16	26	6	5	9
14Q7	12	35	6	4	4			31	6	3	9	15HA6	15	*27	3	2	2			26	6	10	9
14R7	12	35	6	6	4			31	6	6	9	*Normally shows short position 6-8						16BX11	16	32	6	2	9
		72	6	3	4	15CW5	15	26	6	1	9	15HB6	15	*25	3	2	2			31	6	5	9
14S7	12	72	6	4	4			31	6	3	9							16C-B28	16	*30	5	9	9
		38	6	6	4	15DQ8	15	31	6	6	9	15KY8	15	27	6	5	18	*Normally shows short position					
14V7	12	52	6	4	4			31	6	6	9			39	6	3	18	1-3-4-10.					
14W7	12	32	6	6	4	15EA7	15	*30	1	2	2	15KY8A	15	27	6	5	18	16CL8	16	32	6	9	2
14X7	12	31	4	6	4	*May show short position 6-7-8-9.								39	6	3	18			32	6	1	2
		43	6	3	4	15EQ8	15	25	6	8	2	15LE8	15	29	6	9	2	16GK6	16	33	3	2	2
		38	6	5	4			25	6	1	2	15MF8	15	39	6	4	8	16HB5	16	*25	1	3	9
14Y4	12	35	6	6	4	15EW6	15	35	6	1	8	16A5	16	34	7	10	9	*Normally shows short position					
		45	6	3	4	15EW7	15	29	6	1	1	16A8	16	71	2	9	2	4-10.					
		45	6	6	4			31	2	3	2			33	6	3	2	16K11	16	35	6	1	9
								45	2	7	2			39	6	1	2			35	6	7	9
																				35	6	9	9

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

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

▼ Use TC-70 Adapter.







TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket				
19EW7	19	31	2	3	2	19KG8	19	24	6	9	2	20EQ7	19	34	6	2	2	21J56	21	*29	10	5	9				
19EZ8	19	33	6	2	2	19MR9	19	35	6	1	1	20EW7	20	31	2	3	2	*Normally shows short position 1-3-4-7-10.									
19FX5	19	32	2	5	1	19Q9	19	25	6	1	2	20LF6	20	*31	5	9	9	21JV6	21	26	4	1	9				
19G07	19	31	3	2	2	19T8	19	43	6	8	2	*May show short position 1-3-4-7-10.					21JZ6	21	*27	4	5	9					
19GY5	19	*25	5	9	9			35	6	2	2	21A6	19	*32	8	2	2	*Some tubes may show short position 1-9.									
*Normally shows short position 1-3-4-7-10.						19V8	19	40	6	6	2	*Normally shows short position 1-6-9.					21KA6	21	*26	10	5	9					
19HR6	19	24	6	1	1			35	6	1	2	21AK6	21	43	6	1	1	*May show short position 1-3-4-7-10.									
19HS6	19	26	6	1	1	19X3	19	29	6	9	2	21EX6	22	33	6	5	3	21KQ6	21	*25	1	4	18				
19HV8	19	35	6	1	2	19X8	19	30	6	7	2	21GY5	21	*25	5	9	9	*Normally shows short position 1-2-5-6.									
19J6	19	34	6	5	1			61	6	9	2	*Normally shows short position 1-3-4-7-10.					21LG6	21	*32	10	5	9					
19JC6	19	26	3	2	2	19Y3	19	29	6	9	2	21H85	21	*25	1	3	9	*May show short position 1-3-4-7-10.									
19KF6	19	33	4	2	8	20AQ3*	20	27	7	3	7	*Normally shows short position 4-10.					21LR8	21	27	6	5	8					
19JN8	19	26	6	9	2	*If no test, use alternate settings.					20AQ3	20	27	3	7	7	*Normally shows short position 4-5-9-10.					21LU8	21	28	7	7	9
		26	6	1	2	20D1	9	33	6	2	1	21HJ5	21	*26	3	1	9	*If no test, use alternate settings.									
								33	6	7	1	*Normally shows short position 4-5-9-10.					22AL3*	22	27	7	3	7					

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



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
22BH3A	22	30	5	2	18	24BF11	24	25	6	3	9	25CK3	25	25	2	5	18	25JQ6	25	*35	8	8	2
22BW3	22	28	4	10	9			25	6	8	9	25CM3	25	25	5	2	18	*May show short position 2-3.					
22DE4	22	34	6	5	8	24JE6A	24	*29	5	1	18	25CU6	25	35	6	5	3	25L6	25	34	6	5	3
22JF6	22	*26	5	1	8	*Normally shows short position 2-4.					25CT3	25	32	2	6	2	25SN7	25	44	6	1	8	
*Normally shows short position 2-4.						24JZ8	24	29	7	7	9	25D4	25	33	6	5	8	44 6 4 8					
22JG6	22	24	2	5	18			40	7	10	9	25DK4	25	28	7	5	1	25R-K19	25	30	2	9	2
22JG6A	22	24	2	5	18	24LQ6	24	*29	5	1	18	25DN6	25	32	6	5	3	25W4	25	32	6	5	8
22JR6	22	34	2	7	8	*Normally shows short position 2-4.					25DQ6	25	34	6	5	3	25W6	25	35	6	5	3	
22JU6	22	*27	5	1	18	25A6	25	*50	6	5	3	25DT5	25	*38	3	6	2	25Z6	25	34	6	3	3
*Normally shows short position 2-4.						*Normally shows short position 8-11.						25E5	25	27	6	5	3	34 6 5 3					
22KM6	22	*27	5	1	8	25AU4	25	33	6	5	8	25EC6	25	32	6	5	3	26A6	25	34	6	1	1
*Normally shows short position 2-4.						25AV5	25	33	6	1	3	25EH5	25	*30	2	5	1	26AQ8	26	32	6	2	2
22KV6	22	28	4	5	8	25AX4	25	35	6	5	8	*Normally shows short position 1-11.					26BK6	25	39	6	1	1	
23JS6A	23	*29	10	5	9	25B6	25	40	6	5	3	25F5	25	38	2	5	1	57 6 5 1					
*Normally shows short position 1-3-4-10.						25BK5	25	37	3	7	2	25F5A	25	38	2	5	1	26C6	25	50	6	1	1
23Z9	23	30	7	10	9	25BQ6	25	35	6	5	3	25GB6	25	33	6	5	3	57 6 6 1					
		39	7	3	9	25BR3	25	30	2	9	2	25GE5	25	*27	3	1	9	68 6 5 1					
		28	7	8	9	25C5	25	33	2	5	1	*Normally shows short position 4-10.					26D6	25	36	6	1	1	
						25C6	25	36	6	5	3	25HX5	25	*55	7	1	8	68 6 6 1					
						25CA5	25	32	2	5	1	*Normally shows short position 2-4.											
						25CD6	25	33	6	5	3												
						25CG3	25	26	4	10	9												

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



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
26DQ5	26	*35	5	1	3	28HA6	28	*27	3	2	2	30CW5	30	*30	1	2	2	31AL10	31	38	7	1	9
*Normally shows short position 3-4-6-8.						*Normally shows short position 6-8						*May show short position 6-7-8-9.						51 7 3 9					
26HU5	26	*28	1	5	8	28HD5	28	*27	3	1	9	30HD5	30	*27	3	1	9	31JS6A	31	*29	10	5	9
*Ignore glow on 2-6.						*Normally shows short position 4-5-9-10						*Normally shows short position 4-5-9-10						*Normally shows short position 1-3-4-10.					
26JG6	26	28	2	5	18	29GK6	29	33	3	2	2	30HJ5	30	*26	3	1	9	33 7 8 9					
26Z5	26	45	10	1	2	29KQ6	29	*25	1	4	18	*Normally shows short position 4-5-9-10						*Normally shows short position 1-3-4-10.					
45 10 6 2						*Normally shows short position 1-2-5-6.						*Normally shows short position 4-5-9-10						31 29 5 1 18					
27GB5	27	*26	4	5	18	29LE6	29	*30	1	4	8	30JZ6	30	*27	4	5	9	*Normally shows short position 2-4.					
*May show short position 1-2-6-10.						*Normally shows short position 2-5.						*Some tubes may show short position 1-9.						32 33 6 3 2					
*Connect plate cap lead to the tube.						30A5 29 27 5 2 1						30KD6 30 *25 10 5 9						32ET5 30 39 6 1 2					
27KG6	27	*26	11	4	8	30AE3*	30	27	7	3	7	*Normally shows short position 1-3-4-10.						32HQ7 32 34 8 2 9					
*Normally shows short position 1-2-5-6.						*If no test, use alternate settings.						30KG6 30 *26 11 4 8						34 8 9 9					
28D7	30	40	6	2	4	30AE3	30	27	3	7	7	*Normally shows short position 1-2-5-6.						33GT7 33 *58 8 10 9					
40 6 7 4						30AG11 30 28 6 8 9						30L1 7 33 8 2 2						*28 8 2 9					
28EC4	28	*26	2	5	18	28 6 5 9						30M-P23 30 30 5 2 1						*Normally shows short position 9-1					
**Use only TC-62B Adapter.						34 6 10 9						30M-P27 30 30 5 2 1						33GY7 33 *58 8 1 9					
28GB5	28	*26	4	5	18	34 6 3 9						30P16 16 71 2 9 2						*28 8 2 9					
*May show short position 1-2-6-10.						30C1 9 31 6 2 2												*Normally shows short position 9-10					
*Connect plate cap lead to the tube.						34 6 9 2																	

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



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
33GY7A	33	*58	8	1	9	35EH5	35	30	2	5	1	40KD6	40	*25	10	5	9	50CA5	50	32	2	5	1
*Normally shows short position 9-10.						35GL6 35 39 7 2 1						*Normally shows short position 1-3-4-10.						50CD6 50 33 6 5 3					
33HE7	33	25	11	9	9	35HB8	35	36	6	9	2	40KG6	40	*26	11	4	8	50DC4	50	33	7	5	1
27 11 2 9						35L6 35 36 6 5 3						*Normally shows short position 1-2-5-6.						50E5 50 27 6 5 3					
33JR6	33	34	2	7	8	35LR6	35	*32	10	5	9	40Z5 50 31 3 5 3						50EH5 50 30 2 5 1					
33JV6	33	26	4	1	9	*May show short position 1-3-4-7-10.						42EC4 42 *26 2 5 18						50FAS 50 35 2 5 1					
34CD3	34	*27	4	10	9	35W4	35	33	7	5	1	**Use only TC-62B Adapter.						50FE5 50 33 6 5 3					
*Some tubes may show short position 5-6-8-9.						35Y4 35 31 4 2 4						42KN6 21 *28 10 5 9						50FK5 50 35 2 5 1					
34CE3	34	27	4	10	9	35Z3	35	31	6	2	4	*Normally shows short position 1-3-4-7-10-11.						50FY8 50 30 6 3 2					
34CM3	34	25	5	2	18	35Z4	35	33	6	5	3	45B5 50 33 1 2 2						50GY7 50 *57 8 1 9					
34GD5	35	36	2	5	1	35Z5	35	33	3	5	3	45Z3 38 32 7 2 6						*Normally shows short position 9-10.					
34R3	34	30	2	9	2	36AM3	35	35	7	5	1	45Z5 50 31 3 5 3						50HC6 50 27 7 2 1					
35A5	35	34	6	6	4	36KD6	36	*25	10	5	9	50A5 50 35 6 6 4						50HK6 50 29 7 2 1					
*Normally shows short position 1-3-4-10.						38A3 38 35 1 6 7						50B5 50 36 1 7 1						50HN5 50 28 1 2 2					
35B5	35	38	1	7	1	38HE7	38	25	11	9	9	50BK5 50 37 3 7 2						50JY6 50 28 4 5 3					
35C5	35	38	2	5	1	38HK7	38	26	11	9	9	50BM8 50 33 6 3 2						50L6 50 34 6 5 3					
35CD6	35	33	6	5	3	27 11 2 9						39 6 1 2						50X6 50 35 6 3 4					
35DZ8	35	30	6	3	2	37 6 1 2						50C5 50 35 2 5 1						35 6 6 4					
26DQ5-50Y6						40FR5 38 26 11 2 9						50C6 50 45 6 5 3						50Y6 50 35 6 3 3					

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



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

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



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

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



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
7867	6	27	6	5	3	8136	6	25	6	1	1	A1834	6	35	6	1	8	B36	12	44	6	1	8
7868	6	*27	5	1	18	8156	13	*32	9	10	9	AR18	6	35	6	4	8	B65	6	44	6	1	8
*Normally shows short position 2-4.						*Normally shows short position 1-2-3-4-5-6-7-9						63 6 4 3						63 6 4 3					
7895	6	*85	6	2	5	8233	6	25	5	10	8	ARDD3	6	48	6	3	3	B152	12	32	10	2	2
*For Grid Emission Turn C Switch Position 4.						*Normally shows short position 2-3.						48 6 5 3						32 10 7 2					
7898	14	28	10	2	2	8278	6	*31	7	2	18	ARH1	6	44	6	10	3	B309	12	32	10	2	2
*Normally shows short position 2-4.						*Normally shows short position 1-4-5-10.						63 6 5 3						32 10 7 2					
7984	12	*70	8	1	9	8327	6	25	1	2	2	ARP15	6	52	6	10	3	B319	7	33	8	2	2
*Normally shows short position 2-3-4-5-6-8-9.						6 30 1 5 3						6 50 6 10 3						33 8 6 2					
8032	12.6	*40	1	5	3	8417	6	30	1	5	3	ARP16	6	50	6	10	3	B329	12	40	10	2	2
*Normally shows short position 4-6.						13 35 3 4 8						6 41 6 5 3						40 10 7 2					
8056	6	*80	6	2	5	8458	13	35	3	6	8	ARP32	6	41	6	5	3	B339	12	42	10	2	2
*For grid emission turn sw. "C" to position 4						6 42 2 1 1						6 41 6 5 3						42 10 7 2					
8102	12	28	6	9	2	9001	6	42	2	1	1	ARTH-1	6	35	6	5	3	B719	6	32	6	2	2
*Normally shows short position 2-7.						6 *46 1 6 1						5 *51 6 4 3						6 32 6 7 2					
8106	12	*24	3	7	2	9003	6	42	2	1	1	AZ32	4	*51	6	4	3	BPM04	6	35	1	7	1
*Normally shows short position 2-6-9						6 *55 1 5 1						*51 6 6 3						6 35 6 1 1					
8113	6	28	8	1	1	9006	6	*55	1	5	1	*Normally shows short position 8-11.						6 41 1 6 1					
*Normal Shorts refer to position of "C" Switch.						*Normally shows short position 2-7.						*Normally shows short position 8-11.						6 34 6 1 1					
† Do not connect Plate Cap to Adapter.						A863 6 50 6 10 3						*Normally shows short position 8-11.						CV136 6 30 6 1 1					

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



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

7867-CV665

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



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
CV686	50	*85	3	5	3	CV731	6	54	6	5	3	CV779	2	53	6	6	4	CV818	3	*42	5	3	6
*Normally shows short position 11.						CV732	6	32	6	5	8	CV780	2	52	6	6	4	*Normally shows short position 2-6.					
*Normally shows grid emission.						CV747	6	33	6	4	3	CV781	1	60	6	4	4	CV819	3	45	9	5	3
CV694	12	34	5	4	3	CV753	2	*70	2	6	6	CV782	1	57	5	4	6	CV820	3	*48	5	3	6
CV697	12	35	6	4	3	*Normally shows short position 5-11.						CV783	1	*55	5	3	6	*Normally shows short position 2-6.					
CV698	12	35	6	4	3	CV755	1	55	6	5	3	CV784	1	56	6	6	6	CV841	5	*40	6	4	3
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	CV785	1	95	6	3	6	*Normally shows short position 8-11.					
		68	6	5	8	CV764	2	54	6	10	3	CV786	1	54	6	5	3	CV844	6	40	6	5	3
CV703	6	35	6	5	3	CV768	2	48	6	5	3	CV787	6	32	5	1	1	CV845	6	40	6	5	3
CV706	6	48	6	10	3	CV770	2	54	6	10	3	CV788	6	32	5	1	1	CV846	6	33	6	4	3
CV717	5	*45	6	4	3	CV772	1	55	6	4	3	CV789	50	35	6	3	3	CV848	6	31	2	1	1
*Normally shows short position 8-11.						CV773	1	55	6	4	3	CV790	3	35	6	5	3	CV849	6	33	6	4	3
CV723	3	39	6	5	3	CV775	1	55	6	5	3	CV791	3	*36	5	4	6	CV850	6	33	2	1	1
CV726	35	31	6	2	4	CV776	1	62	6	4	4	CV792	3	45	4	3	6	CV851	6	35	6	5	3
CV728	2	53	6	10	3	CV777	1	55	6	6	4	CV793	3	45	4	5	6	CV852	6	41	1	6	1
CV729	5	*35	6	4	3	CV778	1	54	5	6	4	CV807	2	43	8	6	4						
*Normally shows short position 8-11.						CV779	1	68	6	4	4	CV808	2	43	8	6	4						

\*Normal Shorts refer to position of "C" Switch. Use TC-63 Adapter. Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 4B

† Do not connect Plate Cap to Adapter. Use TC-62-A Adapter. Use TC-70 Adapter.



TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket		
CV858	6	34	6	5	1	CV883	6	42	6	4	4	CV899	6	42	6	5	4	CV939	25	45	6	5	4		
CV862	6	34	6	6	1	CV885	6	38	6	6	4	CV900	6	35	6	4	4	CV945	30	40	6	2	4		
CV865	6	53	6	5	3	CV886	6	38	6	6	4			72	6	3	4	CV946	30	40	6	7	4		
CV866	6	35	6	4	3	CV887	6	50	4	3	4			72	6	4	4			30	40	6	2	4	
CV867	6	46	6	2	8			68	4	6	4	CV901	6	45	6	3	4				30	40	6	2	4
		68	6	4	8	CV891	6	40	4	3	4			45	6	6	4	CV995	6	40	6	7	4		
		68	6	5	8			69	4	5	4	CV910	12	45	6	5	3	CV996	6	36	2	1	1		
CV873	6	43	6	3	3	CV892	6	69	4	6	4	CV916	12	48	6	3	3	CV1067	6	42	6	5	3		
		43	6	5	3			47	6	6	4			48	6	5	3	CV1071	5	*40	6	4	3		
CV876	6	48	6	3	4			68	6	3	4	CV917	12	50	6	10	3			5	*40	6	6	3	
		48	6	6	4	CV893	6	68	6	4	4	CV918	12	52	6	10	3	*Normally shows short position 8-11.							
CV877	6	45	6	6	4			68	6	4	4	CV919	12	41	6	3	8	CV1074	6	50	6	10	3		
CV878	6	40	6	4	4	CV894	6	45	6	5	4	CV920	12	41	6	3	8	CV1268	5	*51	6	4	3		
CV879	6	40	6	6	4	CV895	6	36	6	6	4	CV921	12	46	6	2	8			*51	6	6	3		
CV880	6	52	6	6	4	CV896	6	65	6	5	4			69	6	5	8	*Normally shows short position 8-11.							
CV881	6	52	6	6	4	CV897	6	65	6	6	4	CV922	12	33	5	4	3	CV1280	6	44	6	10	3		
CV882	6	40	4	3	4			65	6	5	4	CV924	12	43	6	1	8	CV1285	6	47	6	4	3		
		68	4	5	4	CV898	6	50	6	4	4	CV925	12	44	6	1	8			47	6	5	3		
		68	4	6	4			42	6	4	4	CV930	12	44	6	4	8	CV1301	6	48	6	3	3		
<b>CV686-CV1301</b>								42	6	4	4			44	6	4	8			48	6	5	3		

\*Normal Shorts refer to position of "C" Switch. Use TC-63 Adapter. Use TC-62-B Adapter or Novar Socket if Wired. (Units Between Serial No. 152001 and 153000 or Units Above Serial No. 213000 Have Prewired Novar Socket on Panel. 4C

† Do not connect Plate Cap to Adapter. Use TC-62-A Adapter. Use TC-70 Adapter.

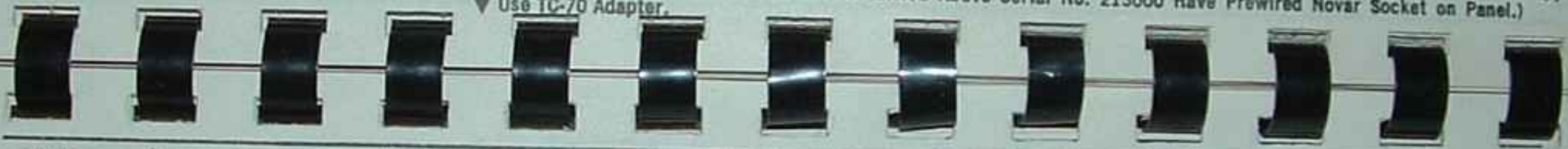


TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	
CV1375	6	33	1	2	2	CV1811	1	58	6	5	3	CV1851	5	47	6	3	8	CV1864	5	*36	6	4	3	
CV1377	5	*30	6	4	3			86	6	10	3			47	6	5	8			*36	6	6	3	
*Normally shows short position 8-11.						*Tube good if it reads 30 or more.						*Normally shows short position 8-11.												
CV1633	12	32	10	2	2	CV1818	1	55	6	10	3	CV1854	5	*51	6	4	3	CV1873	6	35	6	4	3	
		32	10	7	2			96	6	5	3			*51	6	6	3			6	33	6	4	3
CV1649	6	46	6	5	3	CV1819	6	48	6	5	3	*Normally shows short position 8-11.						CV1876	6	54	6	5	3	
CV1741	6	35	6	5	3	CV1820	1	55	6	10	3			5	*51	6	4	3	CV1878	6	62	6	1	3
CV1753	35	34	6	6	4			96	6	5	3	*Normally shows short position 8-11.						CV1882	6	32	6	4	3	
CV1757	6	42	2	1	1	CV1821	2	53	6	10	3			*51	6	6	3	CV1893	6	55	6	10	3	
CV1758	1	55	5	6	6	CV1823	2	53	6	10	3	*Normally shows short position 8-11.								65	6	4	3	
CV1762	6	43	6	1	1	CV1824	1	48	6	5	3			5	52	6	3	CV1894	6	55	6	10	3	
CV1777	6	37	6	6	4	CV1826	1	48	6	5	3	*Normally shows short position 8-11.								65	6	4	3	
CV1784	6	32	6	4	3	CV1829	1	54	6	5	3			5	35	1	7			65	6	5	3	
CV1790	6	50	6	3	4	CV1846	5	*38	6	4	3	*Normally shows short position 8-11.								65	6	5	3	
		50	6	6	4			*38	6	6	3	*Normally shows short position 8-11.						CV1895	50	*70	3	5	3	
CV1800	1	57	6	5	3	*Normally shows short position 8-11.								5	*36	6	4	3	*Normally shows short position 11.					
CV1802	1	57	6	5	3	CV1849	5	*52	6	4	3	*Normally shows short position 8-11.						*Normally shows grid emission.						
CV1803	1	54	6	5	3			*52	6	6	3	*Normally shows short position 8-11.						CV1902	6	45	6	5	3	
CV1805	1	54	6	5	3	*Normally shows short position 8-11.								5	*36	6	6	3	CV1908	6	40	6	10	3

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

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

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



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

**CV1375-CV2390**

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

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

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



TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket				
CV2500	35	33	6	5	3	CV2938	6	35	6	5	3	D63	6	48	6	3	3	DCC90	3	45	4	3	6				
CV2507	1	52	5	6	6	CV2975	6	33	1	2	2	D77	6	33	6	2	1	DD6	6	33	6	2	1				
CV2522	6	35	6	1	1	CV2983	3	45	5	6	6	D152	6	33	6	2	1	DF33	2	53	6	10	3				
CV2524	6	33	6	1	1	CV2984	6	35	6	1	8	D193	3	33	6	7	1	DF91	1	55	5	6	6				
CV2526	6	40	6	1	1	CV3512	6	34	5	6	1	DA90	2	*70	2	6	6	DF92	1	55	5	6	6				
		67	6	5	1	CV3523	6	*38	1	5	3	DA90	2	*70	2	6	6	DF96	1	58	5	6	6				
CV2534	50	34	6	5	3	*Normally shows short position 4-6.		CV3798	50	*70	3	5	3	DA90	2	*70	2	6	DF97	1	40	5	6	6			
CV2706	6	53	6	4	4	*Normally shows short position 11.		CV3799	50	*69	3	5	3	*Normally shows short position 5-11.		DAC32	1	55	6	10	3	DH63	6	40	6	10	3
CV2714	6	40	6	5	3	*Normally shows grid emission.		CV4007	6	33	6	2	1	DAF91	1	96	6	5	3	DH74	12	40	6	10	3		
CV2716	6	48	6	3	8	*Normally shows short position 11.		CV4010	6	33	6	7	1	DAF92	2	55	6	6	6	DH76	12	40	6	10	3		
CV2721	6	*32	8	2	2	*Normally shows grid emission.		CV4018	6	32	5	1	1	DAF96	1	58	6	6	6	DH77	6	39	6	1	1		
*Normally shows short position 1-6-9.		CV4024	12	32	10	2	2	DC90	1	*70	5	6	6	*Normally shows short position 2-3.													
CV2748	5	*36	6	4	3			D2M9	6	33	6	2	1														
*Normally shows short position 8-11.																											
CV2769	6	*55	1	5	1																						
*Normally shows short position 2-7.																											
CV2901	6	40	2	9	2																						

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



TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket		
DH107	19	39	6	1	1	DL36	1	48	6	5	3	DY87	1	*95	1	10	7	E90F	6	32	6	1	1		
		64	6	5	1	DL91	1	*55	5	3	6	*Normally shows short position 6-11.		E91AA	6	33	6	2	1						
DH149	6	50	4	3	4	*Normally shows short position 2-6.		DL92	3	*48	5	3	6	E91H	6	32	6	1	1						
		68	4	5	4	*Normally shows short position 2-6.		DL93	3	*36	5	4	6	E91N	6	32	5	1	1						
DH710	6	68	4	6	4	*Normally shows short position 2-6.		DL94	3	45	5	6	6	E92CC	6	27	6	6	1						
		35	6	2	2	*Normally shows short position 2-6.		DL95	3	*42	5	3	6	E235L	6	30	4	5	3						
		35	6	1	2	*Normally shows short position 2-6.		DL96	2	48	5	6	6	E55L	6	*25	5	10	8						
DH719	6	43	6	8	2	*Normally shows short position 5-8-11.		DP61	6	33	2	1	1	*Normally shows short position 2-3.		E80CC	12	42	10	2	2				
		35	6	2	2	*Normally shows short position 5-8-11.		DY30	1	*96	3	10	3	E80CF	6	25	6	2	2						
DK32	1	57	6	5	3	*Normally shows short position 5-8-11.		*Normally shows short position 5-8-11.		E80F	6	39	8	9	2	E188CC	6	24	6	2	2				
DK91	1	57	5	4	6	*Normally shows short position 5-8-11.		*Normally shows short position 5-8-11.		E80L	6	29	1	2	2	E280F	6	22	1	2	2				
DK92	1	48	6	4	6	*Normally shows short position 5-8-11.		*Normally shows short position 5-8-11.		E80T	6	72	6	2	2	AAA91	6	33	6	2	1				
DK96	1	54	6	4	6	*Normally shows short position 5-8-11.		*Normally shows short position 5-8-11.		E81L	6	26	1	2	2	EABC80	6	43	6	8	2				
DL33	3	45	9	5	3	*Normally shows short position 5-8-11.		*Normally shows short position 5-8-11.		E83F	6	25	6	2	2										
DL35	1	54	6	5	3	*Normally shows short position 5-8-11.		*Normally shows short position 5-8-11.		E88CC	6	28	6	2	2										
CV2500-EB34						*Normally shows short position 5-8-11.		*Normally shows short position 5-8-11.		E90CC	6	32	6	5	1	EB34	6	48	1	3	3				
						*Normally shows short position 5-8-11.		*Normally shows short position 5-8-11.																	

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



TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	
CV2500	35	33	6	5	3	CV2938	6	35	6	5	3	D63	6	48	6	3	3	DCC90	3	45	4	3	6	
CV2507	1	52	5	6	6	CV2975	6	33	1	2	2	D77	6	48	6	5	3	DD6	6	45	4	5	6	
CV2522	6	35	6	1	1	CV2983	3	45	5	6	6	D152	6	33	6	2	1	DF33	2	33	6	7	1	
CV2524	6	33	6	1	1	CV2984	6	35	6	1	8	D193	6	33	6	7	1	DF91	2	53	6	10	3	
CV2526	6	40	6	1	1							DA90	3	33	6	7	1	DF92	1	55	5	6	6	
		67	6	5	1	CV3512	6	34	5	6	1	DA90	1	36	5	4	6	DF96	1	55	5	6	6	
CV2534	50	34	6	5	3	CV3523	6	*38	1	5	3	DA90	2	*70	2	6	6	DF97	1	58	5	6	6	
CV2706	6	53	6	4	4	*Normally shows short position 4-6.						DF904	1	40	5	6	6	DH63	1	40	5	6	6	
CV2714	6	40	6	5	3	CV3798	50	*70	3	5	3	*Normally shows short position		DH74	6	52	5	6	6	6	40	6	10	3
CV2716	6	48	6	3	8	*Normally shows grid emission.						DAC32	5-11.	6	40	6	10	3	6	63	6	4	3	
CV2721	6	48	6	4	8	CV3799	50	*69	3	5	3	DAF91	1	55	6	10	3	3	6	63	6	5	3	
*Normally shows short position 1-6-9.						*Normally shows short position 11.						DAF92	1	96	6	5	3	6	6	12	40	6	10	3
CV2748	5	*36	6	4	3	CV4007	6	33	6	2	1	DAF96	1	95	6	3	6	6	6	63	6	4	3	
*Normally shows short position 8-11.						CV4010	6	33	6	7	1	DC90	2	55	6	6	6	6	6	12	40	6	10	3
CV2769	6	*55	1	5	1	CV4018	6	32	5	1	1	*Normally shows short position 2-3.		DH76	1	70	6	4	6	6	63	6	4	3
*Normally shows short position 2-7.						CV4024	12	32	10	2	2	DH77	1	58	6	6	6	6	6	6	63	6	5	3
CV2901	6	40	2	9	2	D2M9	6	33	6	2	1			64	6	5	1	64	6	6	6	1		
														64	6	6	1							

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 † Do not connect Plate Cap to Adapter.  Use TC-62-A Adapter.  Use TC-70 Adapter.



TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	TUBE TYPE	Heater	A	B	O	Socket	
DH107	19	39	6	1	1	DL36	1	48	6	5	3	DY87	1	*95	1	10	7	E90F	6	32	6	1	1	
		64	6	5	1	DL91	1	*55	5	3	6	*Normally shows short position 6-11.		E91AA	6	33	6	2	1	6	33	6	7	1
DH149	6	50	4	3	4	*Normally shows short position 2-6.						DY802	1	*99	1	10	7	E91H	6	32	6	1	1	
		68	4	5	4	DL92	3	*48	5	3	6	*Tube good if it reads 40 or more.		E91N	6	32	5	1	1	6	32	5	1	1
DH710	6	68	4	6	4	DL93	3	*36	5	4	6	Normally shows short position 6-11.		E92CC	6	27	6	6	1	6	27	6	6	1
		43	6	8	2	*Normally shows short position 2-6.						E235L	6	30	4	5	3	6	6	27	6	5	1	
		35	6	2	2	DL94	3	45	5	6	6	E55L	6	*25	5	10	8	E99F	6	32	6	1	1	
		35	6	1	2	DL95	3	*42	5	3	6	*Normally shows short position 2-3.		E180F	6	27	3	2	2	6	27	3	2	2
		35	6	6	2	*Normally shows short position 2-6.						E80CC	12	42	10	2	2	E182CC	6	28	9	2	2	
DH719	6	43	6	8	2	DL96	2	48	5	6	6	E80CF	6	42	10	7	2	6	6	28	9	7	2	
		35	6	2	2	DP61	6	33	2	1	1	E80F	6	25	6	2	2	6	6	24	6	2	2	
		35	6	1	2	DY30	1	*96	3	10	3	E80L	6	25	6	9	2	6	6	24	6	7	2	
DK32	1	35	6	6	2	*Normally shows short position 5-8-11.						E80T	6	39	8	9	2	E280F	6	22	1	2	2	
DK91	1	57	5	4	6	DY80	1	*99	1	10	7	E81L	6	29	1	2	2	EAA91	6	33	6	2	1	
DK92	1	48	6	4	6	*Tube good if reads 20 or more.						E83F	6	72	6	2	2	EABC80	6	33	6	7	1	
DK96	1	54	6	4	6	*Normally shows short position 6-11.						E88CC	6	26	1	2	2	6	6	43	6	8	2	
DL33	3	45	9	5	3	DY86	1	*95	1	10	7	E90CC	6	25	6	2	2	6	6	35	6	2	2	
DL35	1	54	6	5	3	*Normally shows short position 6-11.						6	28	6	2	2	6	6	35	6	1	2		
												6	28	6	7	2	6	6	35	6	6	2		
												6	32	6	5	1	6	6	48	1	3	3		
												6	32	6	6	1	6	6	48	1	5	3		

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



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

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

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

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

51



TYPE TUBE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket	TUBE TYPE	Heater	A	B	C	Socket
ECLL800	6	*99	6	1	2	EF96	6	31	2	1	1	EL86	6	*30	1	2	2	ELL80	6	29	6	2	2
		35	6	2	2	EF98	6	30	6	1	1	*Normally shows short position 7-8.						EM-87	6	*55	2	1	2
		35	6	6	2	EF183	6	30	3	2	2	EL90	6	35	1	7	1	*Normally shows short position 6-8.					
*Tube good if it reads 20 or more.						EF184	6	29	3	2	2	EL91	6	34	6	1	1	EN93	6	43	6	1	1
ED2	6	33	6	2	1	EF804	6	39	2	9	2	EL95	6	34	1	7	1	EQ80	6	33	3	7	2
		33	6	7	1	EF-806S	6	40	2	9	2	EL-500	6	*26	4	5	18	EY81	6	30	2	9	2
ED500	6	**54	6	10	8	EH90	6	35	6	1	1	*May show short position 1-2-6-10.						EY82	6	29	6	9	2
**Connect Plate Cap to Adapter.						EH-900S	6	42	6	1	1	*Connect plate cap lead to the tube.						EY86	6	*95	1	10	7
*Normally shows short position 1-2-3-5-6.						EK90	6	35	6	1	1	EL503	6	*31	7	2	18	*Normally shows short position					
EF22	6	36	6	6	4	EL34	6	35	6	5	3	*Normally shows short position						6-11.					
EF80	6	33	1	2	2	EL36	6	*32	4	5	3	1-4-5-10.						EY87	6	*98	1	10	7
EF85	6	33	1	2	2	*Normally Shows Short Position 3-8.						EL-505	6	*26	11	4	8	*Normally shows short position 6-11					
EF86	6	40	2	9	2	EL37	6	37	6	5	3	*Normally shows short position						EY88*	6	27	7	3	7
EF89	6	34	1	2	2	EL38	6	29	6	5	3	1-2-5-6.						*If no test, use alternate settings.					
EF91	6	30	6	1	1	EL81	6	*32	8	2	2	EL508	6	28	11	4	18	EY88	6	27	3	7	7
EF92	6	35	6	1	1	*Normally shows short position 1-6-9.						EL802	6	*29	7	2	2	*Normally shows short position 3-9.					
EF93	6	33	2	1	1	EL82	6	71	2	9	2	EL803	6	30	6	2	2	EY500	6	**26	2	5	18
EF94	6	33	6	1	1	EL83	6	30	6	2	2	EL820	6	*32	8	2	2	**Use only TC-62B Adapter.					
EF95	6	33	2	1	1	EL84	6	33	1	2	2	*Normally shows short position						EZ35	6	40	6	3	3
EB91-EZ80						EL85	6	*39	1	2	2	1-6-9.						EZ80	6	40	6	1	2
						*Normally shows short position 6-8.						EL821	6	28	6	2	2	40 6 7 2					

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52











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

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

**VT94—ZD152**

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