

LEADER TEST INSTRUMENTS

MODEL LCT - 91QA

CATHODE RAY TUBE

TESTER REJUVENATOR

SET-UP CHART

[NO.9]

LEADER

1. OUTLINE OF SET UP CHART

The socket numbers adapting to heater voltage and first grid voltage are shown in this set-up chart.

As, generally speaking, picture tubes for television receivers mustly depend on an assembling manufacturer's own production, it is very difficult to collect the necessary data, besides, it is extremely difficult to cover therein all the picture tubes involved since new types of picture tubes are announced every year and this picture tube being the very life of television receiver.

Under such circumstances, this set up chart will be revised from time to time but still it is difficult to get users' satisfaction with such revision.

Therefore, you are requested to make use of comparison of the connection diagram of the accessory socket and that of the base of JEDEC code, and the setting standard of the first grid voltage, etc., all which are shown below.

2. CONCERNING THE FIRST GRID VOLTAGE

The first grid voltage in this set-up chart is used for measuring emission current.

In case where an operating voltage of the second grid is more than 100V in the code list of picture tube this first grid voltage shall be set at 45V. Almost all the picture tubes are of 45V.

Especially in case of the picture tube of low second grid voltage operation, the first grid voltage is set at 70V.

3. JEDEC CODE AND BASE CONNECTION DIAGRAM

The base connections as well as the base shapes of picture tubes are mostly decided in accordance with the JEDEC code standardization of which is promoted by joint committee of EIA and NEMA. As in many cases these JEDEC numbers are mentioned in catalogs of picture tubes, the comparison list with the socket numbers of this equipment are shown as follows:

LCT-910 Socket No.	JEDEC Code Base No.	JEDEC Code Base connection No.
①	B6-63	12AB, 12L, 12N, 12S
②	B7-208	8JK, 8KW
③	E7-91	8HR
⑤	B12-246	7GR
⑦	B12-246	14BE, 14BH
⑧	B12-246	14BJ
⑩	B12-246	(TOSHIBA Spec.)
⑪	B12-262	13C
⑫		(MITSUBISHI Spec.)
T-01 H-01/E-02 E-01 E-03 E-04 M-01	B12-262 B12-262 B12-246	

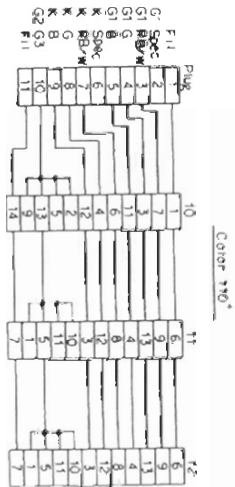
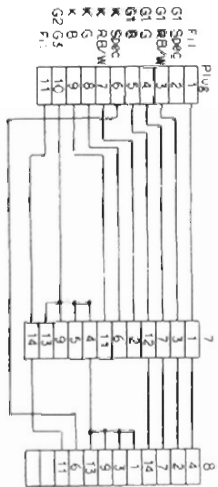
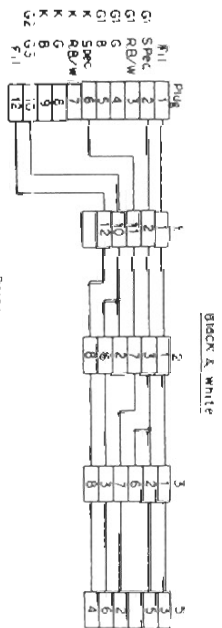
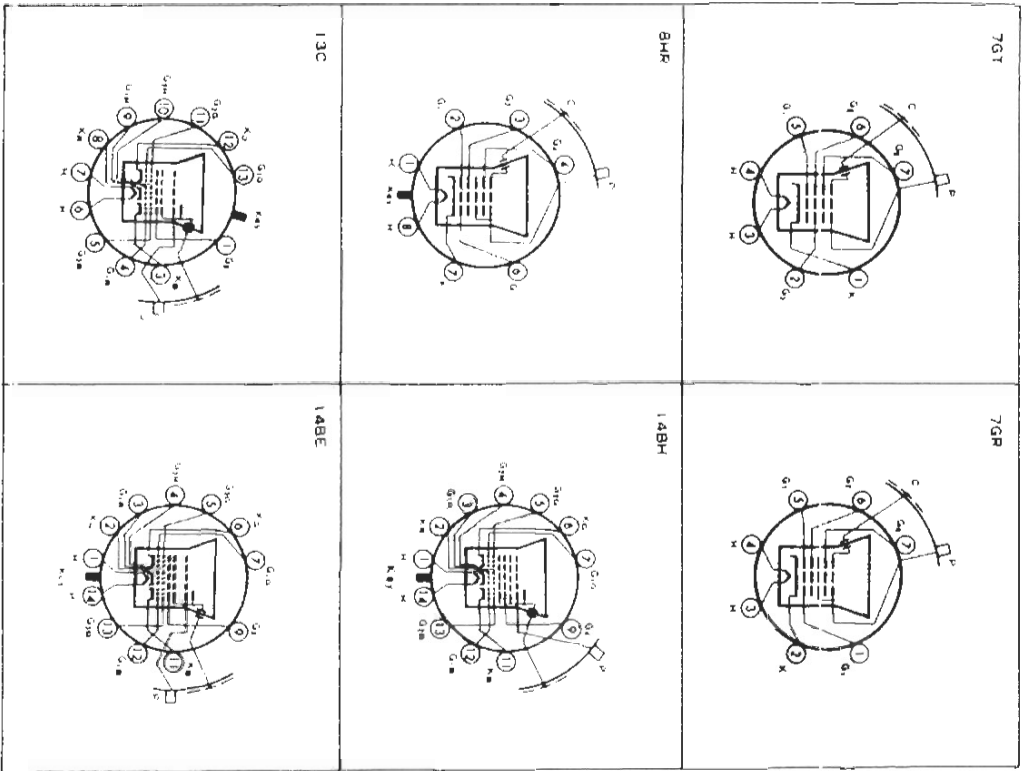
Circled number are shown as standard accessories. Other are optional.

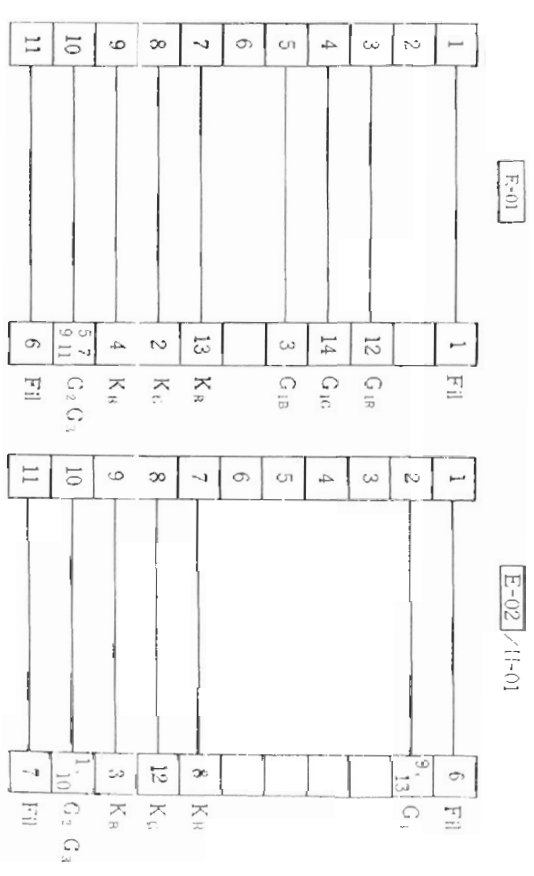
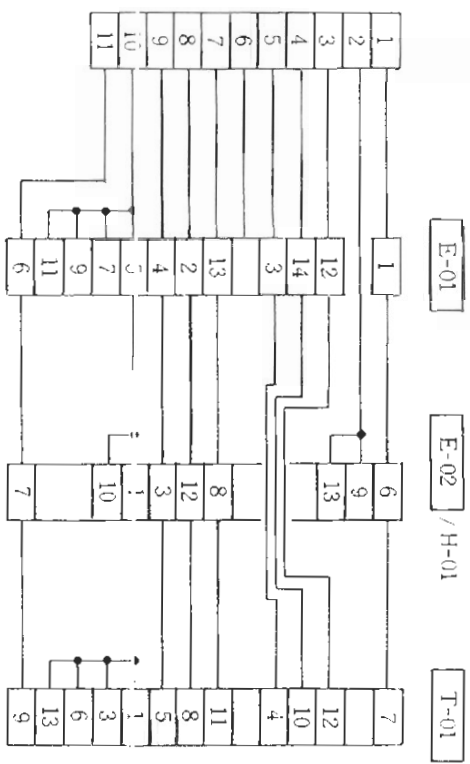
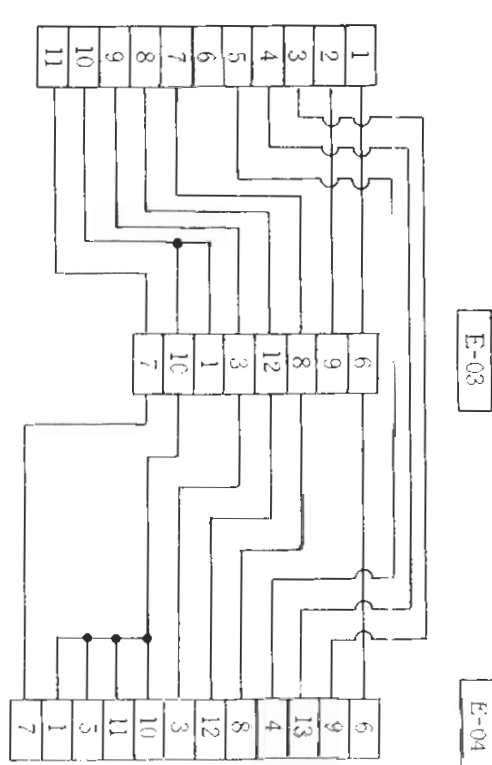
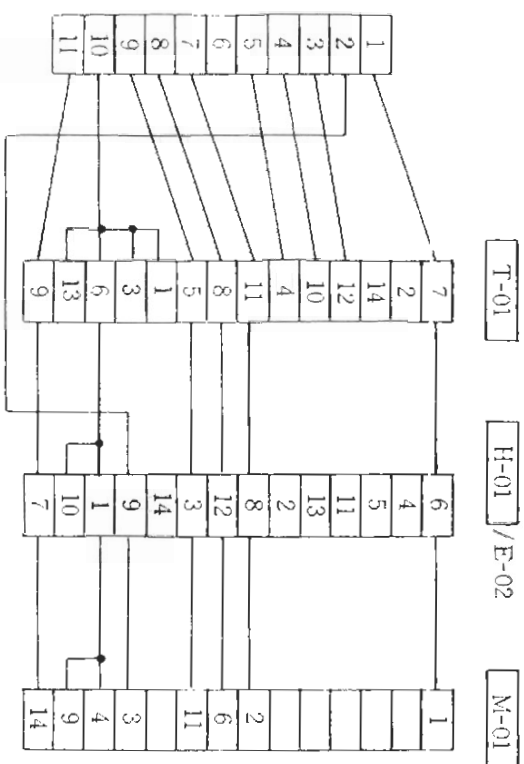
4. SOCKET 7 GR and 7 GT

7 GR and 7 GT of the accessory socket No. 5 can be used only by interchanging the pin ② to ①. Please make best use of this application.

5. WIRING DIAGRAM OF ACCESSORY SOCKET

Wiring diagram of accessory socket is shown in the following figure. The "plug" in the diagram is male plug to combine with female plug of CRT tester. And, the numbers (1-12) appearing out of the top frame are socket numbers.





BLACK AND WHITE CRTS

T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
1VABP4	2	70	7GT	9YP4 A	12.6	45	5	12AVP4	6.3	45	3	12CYP4	6.3	45	5
1VACP4	6.3	70	7GT	10ABP4 A	6.3	45	1	12AZP4	6.3	45	3	12CZP4 A	12.6	45	5
2EP4	6.3	45	2	10ABP4 A,B,C	6.3	45	1	12BAP4	6.3	45	3	12DEP4	6.3	45	5
3AXP4	6.3	45	1	10ADP4	8.4	45	1	12BDP4	6.3	45	3	12DEP4	6.3	45	5
5AZP4	6.3	45	1	10ADP4	6.3	45	1	12BDP4	6.3	70	3	12DEP4	6.3	20	5
5FP4 A	6.3	45	1	10AEP4	6.3	45	1	12BEP4	6.3	45	5	12DHP4	6.3	70	3
5TP4	6.3	70	1	10AFP4	6.3	45	5	12BFP4	4.2	45	5	12DKP4	6.3	45	5
5VABP4	12	45	5	10ARP4	6.3	45	5	12BGP4	6.3	70	3	12DLP4	6.3	45	5
7ABP4	6.5	45	1	10ASP4	6.3	45	5	12BHP4	6.3	45	3	12DNP4	6.3	45	5
7DP4	6.3	45	1	10ATP4	6.3	45	5	12BJP4	4.2	45	3	12DNP4	12.6	70	5
7QP4	6.3	45	1	10AUP4	6.3	45	1	12BKP4 A	6.3	70	3	12DRP4	6.3	45	5
7QP4 A	6.3	45	1	10AVP4	12.0	70	5	12BLP4 A	6.3	70	3	12DSP4	6.3	45	5
7RP4	6.3	45	1	10BP4	6.3	45	1	12BNP4 A	6.3	45	5	12P4	6.3	45	5
7RP4 A	6.3	45	1	10BP4 A,C,D	6.3	45	1	12BNP4	6.3	45	3	12P4	6.3	45	5
8AP4	6.3	45	1	10CP4	6.3	45	1	12BQP4	6.3	70	3	12P4	6.3	45	5
8BP4	6.3	45	1	10DP4	6.3	45	1	12BSP4	6.3	45	3	12KP4 A	6.3	45	5
8BP4	6.3	45	1	10EP4	6.3	45	1	12BTP4	12.6	70	3	12LP4 A,C	6.3	45	5
8FP4	6.3	45	1	10FP4 A	6.3	45	1	12BUP4 A,B,C	6.3	70	3	12QP4 A	6.3	45	5
8HP4	6.3	45	1	10FDP4 A	6.3	45	1	12BVP4	12.6	70	5	12RP4	6.3	45	5
8JP4	6.3	45	3	10MP4 A	6.3	45	1	12BWP4	6.3	70	3	12TP4	6.3	45	1
8KP4	6.3	45	1	10RP4	6.3	45	1	12BXP4	6.3	70	3	12UP4 A	6.3	45	1
8LP4	6.3	45	1	10SP4	6.3	45	1	12BZP4	12	45	5	12VP4 A,B	6.3	45	5
8MP4	6.3	45	1	10AP4	6.3	45	3	12CAP4	6.3	70	3	12VAP4 A	6.3	45	5
8NP4	6.3	45	1	11BP4	6.3	45	3	12CBP4	6.3	70	3	12VAP4	6.3	45	5
8OP4	6.3	45	1	11CP4	6.3	45	3	12CDP4 A	6.3	45	5	12VAP4	6.3	45	5
8XP4	6.3	45	1	11DP4	6.3	70	3	12CEP4	12.6	45	5	12VAP4	6.3	45	5
9ACP4	12	45	5	11EP4	6.3	45	3	12CFP4	4.2	45	5	12VAP4	6.3	45	5
9AEP4	6.3	45	5	11FP4	6.3	45	3	12GCP4	6.3	45	3	12VAP4	6.3	45	5
9ACP4	12	45	5	11GP4	6.3	45	3	12GHP4	6.3	45	5	12VAP4	6.3	45	5
9ACP4 A	4.7	45	5	11HP4 A	6.3	45	3	12ICP4	6.3	45	5	12VAP4	6.3	45	5
9QP4	6.3	45	1	11JP4	6.3	70	3	12CLP4	12.6	45	5	12VAP4	6.3	45	5
9SP4	6.3	45	3	11KP4	6.3	70	3	12CMP4	12.6	70	5	12VAP4	6.3	45	5
9TP4	6.3	70	3	11LP4	6.3	45	3	12CNP4 A	4.2	45	5	12VAP4	6.3	45	5
9UP4	12.6	45	5	11MP4	6.3	45	3	12CQP4	6.3	70	3	12VAP4	6.3	45	5
9VP4	12.6	45	5	11NP4	11	45	5	12CRP4	12.6	45	5	12VAP4	6.3	45	5
9VABP4	6.3	45	3	11OP4	12.6	45	5	12CTP4 A	6.3	45	5	12VAP4	6.3	45	5
9VAGP4	12	45	5	11RP4	6.3	45	5	12CUP4 B	4.2	45	5	12VAP4	6.3	45	5
9WP4	12.6	45	5	11TP4	6.3	45	3	12CVP4	12	45	5	12VAP4	6.3	45	5
9XP4	12.6	45	5	11UP4	6.3	45	5	12CWP4 A	6.3	45	5	12VAP4	6.3	45	5
				12ALP4	6.3	45	1	12CXP4	19.6	45	5	12VAP4	6.3	45	5
				12AMP4	6.3	45	5	12CYP4	6.3	45	5	12VAP4	6.3	45	5

TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
13VBP4	6.3	70	3	15AUP4	6.3	45	1	15BPP4	6.3	45	2	16UP4, A	6.3	45	1
13FP4	6.3	70	3	15CP4	6.3	45	1	16RWP4	6.3	45	3	16VP4	6.3	45	1
13HBP4	6.3	70	3	15DP4, A	6.3	45	1	16XBP4	6.3	70	3	16VABP4	6.3	70	3
13WBP4	6.3	70	3	15EP4	6.3	45	1	16VYP4	6.3	45	3	16VACP4	6.3	70	3
13VABP4	12	45	5	15JP4	6.3	70	3	16ZBP4	6.3	45	3	16VALP4	6.3	45	3
13VADP4, A	6.3	45	5	15VABP4	6.3	45	3	16CP4, A	6.3	45	1	16VALP4	6.3	70	3
14AP4	2.7		1	15VACP4	6.3	70	3	16CAP4	6.3	45	3	16VARP4	6.3		
14HBP4, A	6.3	45	1	15ABP4	6.3	45	1	16CEP4	6.3	45	3	16VAPP4	6.3	45	3
14ACP4	6.3	45	1	15AEP4	6.3	45	1	16CEP4	6.3	45	5	16VAZP4	6.3	45	3
14HBP4, A	6.3	45	1	15AEP4	6.3	45	1	16COP4	6.3	70	3	16VBAP4	6.3	45	3
14JBP4	6.3	45	2	15AGP4	6.3	45	1	16CHP4, A	6.3	70	3	16VBCP4	6.3	45	3
14ABP4	6.3	45	1	15AGP4	6.3	45	1	16CJP4	6.3	45	3	16VBLP4, A	6.3	45	3
14ABP4	6.3	45	1	15AKP4	6.3	45	1	16CKP4	6.3	45	3	16VBNP4	6.3	45	3
14ABP4	6.3	45	1	15ANP4	6.3	45	1	16CLP4	6.3	45	3	16VBLP4, A	6.3	45	3
14ASP4	6.3	45	3	15AP4, A, B	6.3	45	1	16CMP4, A	6.3	45	3	16WBP4, A, B	6.3	45	1
14ATP4	8.4	45	1	15AQP4	6.3	45	3	16CNP4	12	45	5	16XP4	6.3	45	1
14ASP4	6.3	45	1	15ASP4	6.3	45	3	16COP4	6.3	45	5	16YBP4	6.3	45	1
14VBP4	6.3	45	3	15ATP4	6.3	70	3	16CRP4	6.3	45	3	17AP4	6.3	45	1
14VBP4	6.3	45	1	15AUP4	6.3	45	3	16CTP4	6.3	45	3	17AP4	6.3	45	1
14VBP4	6.3	70	1	15AVP4	6.3	70	3	16CUP4	6.3	45	3	17ASP4	6.3	45	1
14WBP4	6.3	45	1	16AMP4	6.3	45	3	16CVP4	4.2	70	3	17ATP4, A	6.3	45	1
14AZP4	6.3	45	1	16AXP4	6.3	45	3	16CWP4, A	6.3	45	5	17AVP4, A	6.3	45	1
14BAP4	6.3	45	1	16AYP4	6.3	45	3	16CXP4	12	45	5	17BP4A, B, C	6.3	45	1
14BDP4	6.3	45	1	16AZP4	6.3	45	3	16CP4, A	6.3	45	1	17BP4	6.3	45	1
14BP4, A	6.3	45	1	16BAP4	6.3	70	3	16DCP4A	6.3	45	5	17BLP4	6.3	45	1
14CP4, A, B	6.3	45	1	16BCTP4	6.3	70	3	16DEP4	6.3	45	5	17BLP4	6.3	45	1
14DP4, A	6.3	45	1	16BEP4	6.3	45	3	16DOP4	6.3	70	3	17BNP4	6.3	45	1
14EP4	6.3	45	1	16BFP4	6.3	70	3	16EP4, A, B	6.3	45	1	17BNP4	6.3	45	1
14GP4	6.3	45	1	16BGP4	6.3	45	3	16FP4	6.3	45	1	17BP4	6.3	45	1
14HBP4, A	6.3	45	1	16BHP4	6.3	45	3	16GP4, A, B, C	6.3	45	1	17BRP4	6.3	45	3
14KP4, A	6.3	45	1	16BJP4	6.3	45	3	16GWP4	6.3	45	5	17BSP4	6.3	45	1
14NP4, A	6.3	45	1	16BKP4	6.3	70	3	16HP4, A	6.3	45	1	17BTP4	6.3	45	1
14NP4, A, B	6.3	45	1	16BLP4	6.3	70	3	16JP4, A	6.3	45	1	17BUP4	6.3	45	1
14QP4, A, B	6.3	45	1	16BNP4	6.3	45	3	16KP4, A	6.3	45	1	17BVP4	6.3	45	1
14RP4, A, AS	6.3	45	1	16BNP4	6.3	45	3	16LP4, A	6.3	45	1	17BWP4	6.3	45	1
14SP4	6.3	45	1	16BNP4	6.3	45	3	16MP4, A	6.3	45	1	17BWP4	6.3	45	1
14UP4	6.3	45	1	16BNP4	6.3	45	3	16NP4, A	6.3	45	1	17BWP4	6.3	45	1
14VBP4	6.3	45	1	16BNP4	6.3	45	3	16OP4	6.3	45	1	17BWP4, A	6.3	45	1
14XP4, A	6.3	45	1	16BPP4	6.3	45	3	16PP4	6.3	45	1	17CP4, A	6.3	45	1
14ZP4	6.3	45	1	16BRP4	6.3	70	3	16RP4, A, B	6.3	45	1	17CBP4	6.3	45	1
15ADP4	6.3	70	3	16RTP4	6.3	70	3	16SP4, A	6.3	45	1				
				16RUP4	6.3	45	3	16TP4	6.3	45	1				

T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
17CDP4	8.4	45	3	17ELP4, A	6.3	70	3	19ARP4	6.3	45	3	19CSP4	6.3	70	3
17CEP4	6.3	45	1	17EMP4	6.3	70	3	19ASP4	6.3	45	3	19CTP4	6.3	45	3
17CFP4	6.3	45	1	17EQP4	6.3	45	3	19ATP4	6.3	45	3	19CLP4	6.3	70	3
17CGP4	6.3	45	1	17ESP4	6.3	45	3	19ALP4	6.3	45	3	19CVP4	6.3	70	3
17CKP4	6.3	45	3	17EMW4	6.3	70	3	19AVP4	6.3	45	3	19CWP4	6.3	45	3
17CIP4	6.3	45	1	17EP4, A	6.3	45	1	19AWP4	6.3	45	3	19CXP4	6.3	70	3
17CMP4	6.3	70	1	17FCP4	6.3	45	3	19AXP4	6.3	45	3	19CYP4	6.3	45	3
17CNP4	6.3	70	1	17FDP4	6.3	70	3	19AYP4	6.3	45	3	19CZP4	6.3	45	3
17CRP4	6.3	45	1	17GP4	6.3	45	1	19AZP4	6.3	45	3	19DP4, A	6.3	45	1
17CSP4	6.3	45	3	17HP4, A, B, C	6.3	45	1	19BAP4	6.3	45	3	19DAP4	6.3	45	3
17CTP4	6.3	45	3	17JP4	6.3	45	1	19BCP4	6.3	45	3	19DBP4	6.3	70	3
17CEP4	6.3	45	1	17KP4, A	6.3	45	1	19BDP4	6.3	45	3	19DCP4	6.3	45	3
17CVP4	6.3	45	3	17LP4, A, B	6.3	45	1	19BEP4	6.3	45	3	19DEP4	6.3	70	3
17CWP4	6.3	45	3	17QP4, A, B	6.3	45	1	19BFP4	6.3	45	3	19DFP4	6.3	70	3
17CNP4	6.3	70	1	17QCP4	6.3	45	1	19BGP4	6.3	45	1	19DHP4	6.3	45	3
17CYP4	6.3	45	1	17RCP4, C	6.3	45	1	19BRP4	6.3	45	3	19DJP4	6.3	45	3
17CZP4	6.3	45	1	17SP4	6.3	45	1	19BTP4	6.3	45	3	19DKP4	6.3	45	3
17DAP4	2.68	45	1	17TP4	6.3	45	1	19BNP4	6.3	70	3	19DLP4	6.3	70	3
17DBP4	6.3	45	1	17UP4	6.3	45	1	19BP4, A	6.3	70	3	19DNP4	6.3	45	3
17DCP4	6.3	45	1	17VP4, B	6.3	45	1	19BQP4	6.3	70	3	19DRP4	6.3	45	3
17DEP4	2.34	45	2	17YP4	6.3	45	1	19BRP4	6.3	45	3	19DSP4	6.3	70	3
17DHP4	6.3	45	3	18VAP4	6.3	45	3	19BRP4	6.3	45	3	19DTP4	6.3	45	3
17DJP4	6.3	45	1	18VALP4	6.3	70	3	19BSP4	6.3	45	3	19DVP4	6.3	45	3
17DKP4	6.3	45	3	18VAYP4	6.3	45	3	19BTP4	6.3	45	3	19DWP4	6.3	45	3
17DLP4	6.3	45	3	18VBLP4	6.3	70	3	19BLP4	2.2	45	3	19DYP4	6.3	70	3
17DMP4	6.3	45	3	18VBQP4	6.3	45	1	19BVP4	6.3	45	3				
				19AP4, A, B, C, D	6.3	45	2	19BWP4	6.3	45	3				
17DOP4	6.3	70	2	19ABP4	2.68	45	3	19BXP4	6.3	45	3	19DZP4	6.3	45	1
17DRP4	2.68	45	3	19ACP4	6.3	70	3	19CAP4	6.3	45	3	19EAP4	6.3	70	3
17DSP4	6.3	45	3	19ADP4	6.3	45	3	19CDP4	6.3	70	3	19EBP4	6.3	45	3
17DTP4	6.3	45	3	19AEV4	12.6	45	3	19CEP4	6.3	45	3	19ECP4	6.3	45	3
17DVP4	2.4	45	3	19AFV4	6.3	45	3	19CFP4	6.3	70	3	19EDP4	6.3	45	3
17DWP4	6.3	45	1	19AGP4	6.3	45	3	19CGP4	6.3	45	1	19EFP4	6.3	70	3
17DXP4	6.3	45	3	19AHP4	6.3	45	3	19CHP4	6.3	70	3	19EGP4	6.3	70	3
17DZP4	6.3	45	3	19AJP4	6.3	70	3	19CJP4	6.3	45	3	19EHP4, A	6.3	45	3
17EAP4	6.3	45	1	19AKP4	6.3	45	3	19CKP4	6.3	70	3	19EJP4	6.3	70	3
17EBP4	6.3	45	3	19ALP4	6.3	45	3	19CLP4	6.3	70	1	19EKP4	6.3	70	3
17EFP4	6.3	45	3	19AMP4	6.3	45	3	19CNP4, A	6.3	70	3	19ELP4	6.3	45	3
17EHP4	6.3	70	3	19ANP4	6.3	45	3	19CQP4	6.3	70	1	19EMP4	6.3	45	3
17EKP4	6.3	45	1	19AQP4	6.3	45	3	19CRP4	6.3	70	1				

T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
19ENP4, A	6.3	70	3	19GQP4	6.3	70	3	20ABP4	6.3	70	3	21AWP4, A	6.3	45	1
19ERP4	6.3	45	3	19GRP4	6.3	45	3	20AFP4, A	6.3	70	3	21AVP4	6.3	45	1
19ESP4	6.3	70	3	19GTP4	6.3	70	3	20AGP4	6.3	45	3	21BAP4	6.3	45	1
19ETP4	6.3	70	3	19GUP4	6.3	70	3	20AHP4	6.3	45	3	21BCP4	6.3	45	1
19EUP4	6.3	45	3	19HAP4	6.3	70	3	20AJP4	6.3	70	3	21BDP4	6.3	45	1
19EVP4	6.3	45	3	19HCP4	6.3	45	3	20AKP4	6.3	45	3	21BNP4	6.3	45	1
19EWP4	6.3	45	3	19JH4	6.3	45	1	20BP4	6.3	45	1	21BSP4	6.3	45	1
19EYP4	6.3	70	1	19QP4	6.3	45	1	20CP4, A, B, C, D	6.3	45	1	21BTP4	6.3	45	1
19FP4	6.3	45	3	19UP4	6.3	45	3	20DP4, A, B, C, D	6.3	45	1	21CBP4, A, B	6.3	45	1
19FAP4	6.3	45	3	19VAP4	6.3	45	3	20ETP4	6.3	45	1	21CDP4, A	6.3	45	1
19FBP4	6.3	70	3	19VAHP4	6.3	70	3	20FPA	6.3	45	1	21CEP4, A	6.3	45	3
19FCP4, A	6.3	70	3	19VAJP4	9.45	70	3	20GP4	6.3	45	1				
19FDP4	6.3	45	3	19VALP4	6.3	45	3	20HP4, A, B, C, D, F	6.3	45	1	21CGP4	6.3	45	1
19FEPA, A, B	6.3	70	3	19VARP4	6.3	45	3	20JP4, A	6.3	45	1	21CHP4	6.3	45	1
19FCP4	6.3	45	3	19VASP4	6.3	70	3	20LP4	6.3	45	1	21CKP4	6.3	45	1
19FHP4	6.3	45	3	19VBHP4	6.3	45	3	20MP4	6.3	45	1	21CLP4	6.3	45	1
19FJP4, A	6.3	45	3	19VBKP4	6.3	70	3	20NP4	6.3	70	3	21CMP4	6.3	45	1
19FKP4	6.3	45	3	19VBNP4	6.3	45	3	20SP4	6.3	70	3	21CQP4	6.3	45	1
19FLP4	6.3	45	3	19VBXP4	6.3	70	3	20TP4	6.3	45	3	21CSP4	6.3	45	1
19FXP4	6.3	45	3	19VBYP4	6.3	45	3	20VP4	6.3	45	3	21CUP4	6.3	45	1
19FQD4	6.3	70	3	19VBZP4	6.3	45	3	20VAP4	6.3	70	3	21CVP4	6.3	45	1
19FRP4	6.3	45	3	19VCHP4	6.3	45	3	20VAP4, A	6.3	45	3	21CWP4	6.3	45	1
19FSP4	6.3	70	3	19VCJP4	6.3	70	3	20VAP4	6.3	45	3	21CNP4	6.3	70	1
19FTP4	6.3	45	3	19VCKP4	6.3	45	3	20WP4	6.3	45	3	21CZP4	6.3	45	3
19FUP4	6.3	70	3	19VCLP4	6.3	70	3	20XP4	6.3	45	3	21DPA	6.3	45	1
19FVP4	6.3	70	3	19VCMF4	6.3	70	3	20YP4	6.3	70	3	21DPA	6.3	45	3
19FWP4	4.2	45	3	19VCP4	6.3	45	3	20ZP4	6.3	70	3	21DEP4, A	6.3	45	3
19FYPA	6.3	45	3	19VDP4	4.2	45	3	21AP4	6.3	45	1	21DFP4	6.3	45	3
19FZP4	6.3	45	3	19VDEP4	6.3	45	3	21ACP4, A	6.3	45	1	21DHP4	6.3	45	3
19GP4	6.3	45	1	19VDEP4	6.3	45	3	21AFP4	6.3	45	1	21DJP4	6.3	45	1
19GAP4	6.3	45	3	19VDCP4	6.3	70	3	21ALP4, A, B	6.3	45	1	21DKP4, A	6.3	45	2
19GBP4	6.3	45	3	19VDJP4, A	6.3	45	3	21AMP4, A, B	6.3	45	1	21DLP4, A	6.3	45	1
19GCP4	6.3	70	3	19VCP4	6.3	45	3	21AMP23A	6.3	45	1	21DNP4	6.3	45	3
19GERP4, A	6.3	45	3	19VP4, A	6.3	45	3	21ANP4, A	6.3	45	1	21DNP4	6.3	45	1
19GFP4	6.3	45	3	19VP4	6.3	45	3	21AP4, A	6.3	45	1	21DQPA	6.3	45	1
19GHP4	6.3	70	3	19ZP4	2.4	45	3	21ARP4, A	6.3	45	1	21DTP4	6.3	70	1
19GJP4, A	6.3	45	3	20AP4	6.3	70	3	21ASP4	6.3	45	1	21DVP4	6.3	45	1
19GKP4	6.3	45	3	20ABP4	6.3	70	3	21ATP4, A, B	6.3	45	1	21DWP4	6.3	45	1
19GMP4	6.3	70	3	20ACP4	6.3	45	3	21ALP4, A, B, C	6.3	45	1	21EP4, A, B, C	6.3	45	1
19GNP4	6.3	45	3	20ADP4, A	6.3	70	3	21AVP4, A, B, C	6.3	45	1	21EAP4	2.34	45	2

TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
21EDP4	6.3	45	3	21VASP4	6.3	45	3	23ATP4	6.3	70	1	23CTP4	6.3	45	1
21ELD4	6.3	45	3	21VATP4	6.3	45	3	23ATP4	6.3	45	1	23COP4	6.3	45	3
21EMP4	6.3	45	3	21WP4, A, B	6.3	45	1	23AVP4	6.3	45	3	23CVP4	6.3	45	3
21ENP4	6.3	45	3	21XP4, A, B	6.3	45	1	23AMP4	6.3	70	1	23CXH4	6.3	45	3
21EQP4	6.3	45	3	21YP4, A, B, C	6.3	45	1	23AXP4	6.3	45	3	23CXH4	6.3	45	3
21ERP4	6.3	45	3	21ZP4, A, B, C	6.3	45	1	23AYP4	6.3	45	3	23CZP4	6.3	45	3
21ESP4	6.3	45	3	22AP4, A	6.3	45	1	23AZP4	6.3	45	1	23DP4	6.3	45	3
21ETP4	6.3	45	3	22AFP4	6.3	45	3	23BP4	6.3	45	3	23DAP4	6.3	70	3
21EUP4	6.3	45	3	22AVP4	6.3	45	3	23BAP4	6.3	45	3	23DBP4	6.3	70	3
21EVP4	2.68	45	2	22TP4	6.3	45	3	23BCP4	6.3	45	3	23DCP4	6.3	70	3
21FMP4	6.3	45	1	22VABP4	6.3	70	3	23BDP4	6.3	45	1	23DEP4	6.3	45	3
21ENP4	6.3	45	3	22VACP4	6.3	45	1	23BDP4, A	6.3	45	3	23DERP4	6.3	45	3
21EYP4	6.3	45	3	22VADP4	6.3	45	3	23BEP4, A	6.3	70	3	23DHP4	6.3	45	3
21EZP4	6.3	45	3	22VAEP4	6.3	45	3	23BGP4	6.3	70	3	23DIP4	6.3	45	3
21FPA, C, D	6.3	45	3	22VAFP4	6.3	45	3	23BRP4	6.3	70	1	23DKP4	6.3	45	1
21FAP4	6.3	45	3	22VAGP4	6.3	45	3	23BJP4	6.3	70	1	23DKP4, A	6.3	70	1
21FCP4	6.3	45	3	22VAGP4	6.3	70	3	23BLP4	6.3	70	1	23DNP4	6.3	70	1
21FDP4	6.3	45	2	22VAKP4	6.3	70	3	23BMP4	6.3	45	1	23DQD4	6.3	70	3
21FLP4	6.3	45	1	22VAMP4	6.3	45	3	23BNP4	6.3	45	3	23DKP4	6.3	45	3
21FNP4	6.3	70	3	22VANP4, A	6.3	45	3	23BRP4	6.3	45	3	23DRP4, A	6.3	70	3
21FUP4	6.3	70	3	22VARP4	6.3	70	3	23BRP4	6.3	45	3	23DTP4	6.3	45	3
21FVP4	6.3	45	3	22VASP4	6.3	70	3	23BSP4	6.3	45	3	23DTP4, A	6.3	45	3
21FWP4	6.3	45	3	22VATP4	6.3	45	3	23BT4	6.3	45	1	23DMP4	6.3	45	3
21FXP4	6.3	45	3	22VAUP4	6.3	70	3	23BUP4	6.3	45	3	23DXP4	6.3	45	3
21FYP4	6.4	70	3	22VAVP4	6.3	45	3	23BVP4	6.3	45	1	23DYP4	6.3	45	3
21FZP4	6.3	45	3	22VVP4	6.3	45	3	23BWP4	6.3	45	1	23DZP4	6.3	45	3
21GAP4, A	6.3	70	3	22ZP4	6.3	45	3	23BNP4	6.3	45	1	23EAP4	6.3	45	1
21GBP4	6.3	45	3	23ABP4	6.3	45	3	23BYP4	6.3	45	3	23EBP4	6.3	45	3
21GCP4	6.3	45	3	23ACP4	6.3	45	3	23BZP4	6.3	45	3	23ECP4	6.3	70	1
21GEP4	6.3	70	3	23ADP4	6.3	45	3	23CP4, A	6.3	45	3	23EDP4	6.3	45	1
21GHP4	6.3	70	3	23AEP4	6.3	45	3	23CAP4	8.4	45	1	23EHP4	6.3	70	3
21GJP4	6.3	45	3	23AFP4	6.3	45	1	23CDP4	6.3	45	3	23EHP4	8.4	45	1
21GKP4	6.3	70	3	23AHP4	6.3	45	1	23CDP4	6.3	45	3	23EJP4	6.3	45	3
21GMP4	6.3	70	3	23AKP4	6.3	45	3	23CEP4	6.3	45	3	23EKP4	6.3	45	1
21GSP4	6.3	70	3	23ALP4	6.3	45	3	23CGP4	6.3	45	1	23ELP4	6.3	45	1
21GTP4	6.3	70	3	23AMP4	6.3	45	3	23CMP4	6.3	45	3	23ENP4	6.3	45	1
21JJP4, A	6.3	45	1	23ANP4	6.3	70	1	23CQP4, A	6.3	45	3	23ENP4, A	6.3	70	1
21KPP4, A	6.3	45	1	23ARP4	6.3	45	3	23CRP4	6.3	45	3	23EOP4	6.3	45	3
21MP4	6.3	45	1	23ARP4	6.3	45	3	23CSP4	6.3	45	3	23EOP4	6.3	45	3
21VAGP4	6.3	45	3	23ARP4	6.3	45	1								

TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
23FSP4, A	6.3	45	3	23GRP4	6.3	45	1	23JNP4	6.3	45	3	24WP4, A	6.3	45	1
23ETP4	6.3	45	3	23GSP4	6.3	45	3	23JQP4	6.3	45	3	24XP4	6.3	45	1
23FMP4, A	6.3	15	3	23GTP4	6.3	45	3	23JRP4	6.3	70	3	24YP4	6.3	45	1
23EYP4	6.3	70	1	23GUP4	6.3	70	3	23KP4, A	6.3	45	3	24ZP4	6.3	45	1
23E2P4	6.3	70	3	23GVP4	6.3	70	3	23LP4	6.3	45	3	25DP4	6.3	45	3
23FP4, A	6.3	45	3	23GWP4	6.3	70	3	23MP4, A	6.3	45	3	25EP4	6.3	45	3
23FAP4	6.3	45	3	23GXP4	6.3	45	3	23NP4	6.3	70	3	25HP4	6.3	70	3
23FRP4	6.3	70	1	23GYP4	6.3	70	1	23RP4	6.3	45	3	25JP4	6.3	45	3
23PCP4	6.3	70	3	23GZP4	6.3	45	1	23SP4	6.3	45	3	25KP4	6.3	45	3
23PDP4	6.3	70	3	23HP4	6.3	45	3	23TP4	6.3	45	1	25LP4	6.3	45	3
23FEP4	6.3	70	1	23HAP4	6.3	70	3	23VP4	6.3	45	3	25MP4	6.3	45	3
23FCP4	6.3	45	3	23HBP4	6.3	45	3	23WP4	6.3	45	3	25NP4	6.3	45	3
23FHP4	6.3	70	3	23HCP4	6.3	45	3	23XP4	6.3	45	1	25PP4	6.3	45	3
23FJP4	6.3	45	3	23HGP4, A	6.3	45	3	23YP4	6.3	45	1	25RP4	6.3	45	3
23FKP4	6.3	45	3	23HJP4	6.3	45	3	23ZP4	6.3	45	3	25SP4	6.3	45	3
23FLP4	6.3	45	1	23HKP4	6.3	45	3	24AP4, A, B	6.3	70	1	25TP4	6.3	45	3
23FMP4	6.3	45	3	23HLP4	6.3	45	3	24BP4	6.3	45	1	25UP4	6.3	45	3
23FNP4	6.3	45	1	23HMP4	6.3	45	3	24EP4	6.3	45	1	25VP4	6.3	45	3
23FRP4	6.3	70	3	23HNP4	6.3	45	3	24FP4	6.3	45	1	25WP4	6.3	45	3
23FSP4	6.3	45	3	23HQP4	6.3	45	3	24GP4	6.3	45	1	25XP4	6.3	45	3
23FTP4	6.3	70	1	23HRP4	6.3	70	3	24HP4	6.3	45	3	25YP4	6.3	45	3
23FUP4	6.3	45	3	23HSP4	6.3	70	3	24JP4	6.3	45	3	25ZP4	6.3	45	3
23FVP4, A, B	6.3	45	3	23HTP4	6.3	45	3	24LP4	6.3	45	3	27AP4	6.3	45	1
23FWP4, A	6.3	70	1	23HUP4, A	6.3	70	3	24MP4	6.3	45	1	27BP4	6.3	45	1
23FYP4	6.3	70	1	23HVP4	6.3	45	3	24NP4	6.3	45	1	27CP4	6.3	45	1
23FZP4	6.3	45	3	23HWP4, A	6.3	70	3	24QP4	6.3	45	3	27DP4	6.3	45	1
23GP4	6.3	45	3	23HXP4	6.3	45	3	24RP4, A, B	6.3	45	1	27EP4	6.3	45	1
23GAP4	6.3	45	3	23HYP4	6.3	45	3	24SP4	6.3	70	1	27FP4	6.3	45	1
23GBP4	6.3	45	3	23HZP4	6.3	45	3	24TP4	6.3	45	1	27GP4	6.3	45	1
23GCP4	6.3	70	3	23JIP4	6.3	70	3	24VP4, A	2.35	45	2	27HP4	6.3	45	1
23GDP4	6.3	45	3	23JJP4	6.3	70	3	24WP4	6.3	45	3	27IP4	6.3	45	1
23GEP4	6.3	70	1	23JBP4	6.2	45	3	24XP4	6.3	45	3	27JP4	6.3	45	1
23GFP4	6.3	45	3	23JEP4	6.3	45	3	24YP4, A	6.3	45	1	27KP4	6.3	45	1
23GHP4	6.3	70	3	23JFP4	6.3	70	3	24BP4	6.3	70	3	27LP4	6.3	45	1
23GJP4, A	6.3	45	3	23JGP4	6.3	45	3	24CP4	6.3	45	1	27MP4	6.3	45	1
23GKP4	6.3	45	3	23JHP4	6.3	45	3	24DP4, A	6.3	45	1	27NP4	6.3	45	1
23GMP4	6.3	45	1	23JLP4	6.3	70	3	24EP4	6.3	45	1	27OP4	6.3	45	1
23GND4	6.3	45	1	23JMP4	6.3	45	3	24FP4	6.3	45	1	27PP4	6.3	45	1
23GQP4	6.3	45	3					24GP4, A	6.3	45	1	27QP4	6.3	45	1
								24HP4	6.3	45	1	27RP4	6.3	45	1
								24IP4	6.3	45	1	27SP4	6.3	45	1
								24JP4	6.3	45	1	27TP4	6.3	45	1
								24KP4	6.3	45	1	27UP4	6.3	45	1
								24LP4	6.3	45	1	27VP4	6.3	45	1
								24MP4	6.3	45	1	27WP4	6.3	45	1
								24NP4	6.3	45	1				
								24OP4	6.3	45	1				
								24PP4	6.3	45	1				
								24QP4	6.3	45	1				
								24RP4	6.3	45	1				
								24SP4	6.3	45	1				
								24TP4	6.3	45	1				
								24VP4, A	6.3	45	1				

BLACK AND WHITE CRTS

TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
A14-10W	12.6	45	7GT	A40-12W	6.3	45	3	A61-120W	6.3	45	3	CT-188	12.6	45	3
A23-10W	12	45	7GT	A41-10W	6.3	45	3	A61-123W	6.3	45	3	CT-190	12.6	45	3
A23-10WE	12.6	45	7GT	A44-12W	6.3	45	3	A61-171W	6.3	45	3	CT-500	12	45	3
A25-10W	12	45	3	A44-13W	6.3	45	3	A61-520W	6.3	45	3	CT-507	12	45	3
A28-11W	11	45	5	A44-120W	6.3	45	3	A65-111W	6.3	45	3	CT-513	12	45	3
A28-12W	11	45	5	A44-123W	6.3	45	3	A65-133W	6.3	45	3	ET-1-100	12.6	70	5
A28-13W	11	45	5	A44-171W	6.3	45	3	AW21-82	12.6			H415	12.6	70	5
A28-14W	11	45	5	A44-172W	6.3	45	3	AW21-84	12.6			M6502	12	145	5
A28-15W	4.2	45	5	A44-280W	11	45	5	AW31-41				M17-141W	6.3	35	5
A31-10W	6.3	45	3	A44-281W	11	45	5	AW36-20	6.3						
A31-12W	6.3	45	3	A44-510W	11	45	5	AW36-80	6.3	70	1	MW6-2	6.3	45	
A31-13W	4.2	45	3	A44-520W	6.3	45	3	AW36-91	6.3	45	3	MW13-35	6.3	45	
A31-14W	6.3	45	3	A47-11W	6.3	45	3	AW40-12	6.3	45	3	MW22-7	6.3	45	
A31-15W	6.3	45	3	A47-13W	6.3	45	3	AW42-12	6.3	45	3	MW22-11	6.3	45	
A31-16W	4.2	70	3	A47-14W	6.3	45	3	AW42-20	6.3	45	1	MW22-16	6.3	45	
A31-17W	6.3	45	3	A47-17W	6.3	45	3	AW43-20	6.3	45	1	MW31-7	6.3	45	
A31-18W	6.3	45	3	A47-21W	4.2	45	3	AW43-22	6.3	45	1	MW31-11	6.3	45	
A31-19W	11	45	5	A47-22W	6.3	45	3	AW43-80	6.3	45	1	MW31-16	6.3	45	
A31-20W	11	45	5	A47-23W	6.3	45	3	AW43-88	6.3	45	3	MW36-29	6.3	45	
A31-120W	11	45	5	A47-25W	6.3	45	3	AW43-89	6.3	45	3				
A31-121W	11	45	5	A47-26W	6.3	45	3	AW43-91	6.3	45	3	MW36-44	6.3	45	1
A31-181W	6.3	45	3	A47-27W	6.3	45	3	AW47-12	6.3	45	3	MW36-49	6.3	45	
A31-191W	11	45	5	A47-28W	6.3	45	3	AW47-30	6.3	45	3	MW36-67	6.3	45	
A31-250W	11	45	5	A50-12W	6.3	45	3	AW47-90	6.3	45	3	MW41-1	6.3	45	
A31-251W	11	45	5	A50-120W	6.3	45	3	AW47-91	6.3	45	3	MW43-13.02	6.3	45	
A31-262W	6.3	45	5	A50-123W	6.3	45	3	AW47-91	6.3	45	3	MW43-61	6.3	45	
A31-265W	6.3	45	5	A50-171W	6.3	45	3	AW53-80	6.3	45	1	MW43-64	6.3	45	1
A31-290W	11	45	5	A50-182W	6.3	70	3	AW53-88	6.3	45	3	MW43-69	6.3	45	
A31-300W	11	45	5	A50-520W	6.3	45	3	AW53-89	6.3	45	3	MW53-20	6.3	45	
A31-390W	11	45	5	A51-10W	6.3	45	3	AW53-91	6.3	45	3	MW53-80	6.3	45	
A31-410W	11	45	5	A59-9W	6.3	45	3	AW59-90	6.3	45	3	MW61-80	6.3	45	
A31-450W	11	45	5	A59-11W	6.3	45	3	AW59-91	6.3	45	3	N0859	12.6	45	3
A31-510W	11	45	5	A59-12W	6.3	45	3	AW61-88	6.3	45	3	SF-17	2.68	45	2
A34-510W	11	45	5	A59-12W/2	6.3	45	3	AW69-80	6.3	45	1	SF-21A	2.34	45	2
A36-12W	12.6			A59-13W	6.3	45	3	B16-G1	6.3			T31-11	4.2	70	5
A37-110W	11	45	5	A59-15W	6.3	45	3	B43-G2	6.3	45		T40-06	4.2	70	3
A38-160W	11	45	5	A59-16W	6.3	45	3	B43-M2	6.3	45		T40-21	4.2	70	5
A38-170W	11	45	5	A59-22W	6.3	45	3	B47-G1	6.3	45		T47-08	6.3	70	3
A40-10W	12.6			A59-23W	6.3	45	3	B53-G1	6.3	45		T47-11	4.2	70	3
A40-11W	6.3	45	3	A59-25W	6.3	45	3	CT-188	12.6		7GT	T47-16	4.2	70	3

BLACK AND WHITE CRTS

T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
46CB4	2.5	45		150HR4	12.6	45	5	230AEB4	4.2	45	5	240AB4.A	12	70	5
85AB4	0.6	45		150JB4	12.6	70	7GT	230AFB4	12	45	5	240CB4.A	6.3	4570	5
85CB4	12	45	5	150KB4	12.6			230ACB4	12.6	45	7GT	240DB4.A	12	45	5
85EB4				150MB4	12.6			230AHB4	12.6	45	7GT	240EB4.A	12.6	45	5
85FR4	12	45	5	150YB4	12.6	45	5	230AJB4	6.3	70	3	240EB4.A	12	4570	5
85GB4	2.8	45		150ZB4	6.3			230AKB4	6.3	70	3	240GB4.A	6.3	4570	5
85JB4	6	45	5	180EB4	6.3			230ALB4	12	70	5	240KB4	6.3	45	5
85MB4	6.0	45	7GT	180HB4	6.3			230AMB4	12.6	45	5	240LB4	4.2	70	5
100AB4	0.6	45		180QB4	6.3			230ANB4	12.6	45	5	240MB4	6.3	45	5
110AB4	12.6	45		190AB4	12	70	5	230ARB4	6.3	45	5	240NB4	12	45	5
110CB4	12.6	45	7GT	190CB4	12.6	45	5	230ASB4	12	45	5	240RB4	12	4570	5
130AMB4	6.3			190DB4	6.3	70	3	230ATB4	12	4570	5	240SB4	6.3	45	5
140AB4	12	45	7GT	190EB4	12	70	5	230AUB4	12	4570	5	240TB4	12	45	5
140ADB4	12	45	5	190FB4	12	4570	5	230AVB4	12	4570	5	250CB4	6.3	45	3
140AJR4	12	45	5	190GB4	12	45	5	230AWB4	12.6	45	5	250DB4	12.6	45	3
140AKB4	12.6	45	7GT	190HB4	12	45	5	230AYB4	12	45	5	250EB4	6.3		
140ALB4	12	45	5	200AB4	12			230BAB39	6.3	35	3	250FR4	6.3		
140ANB4	12	4570	5	200CB4	12	45	5	230BDB4	12	4570	5	250GB4	6.3		
140ATB4	12	45	5	200DB4	12	45	5	230EBB4	12	4570	5	250HB4	12.6	45	3
140AWB4	12	45	7GT	200EB4	12	70	5	230FBB4	12	45	5	250KB4	12.6		
140BBB4	12.0	45	7GT	200FB4	12	70	5	230GBB4	12	45	5	270AB4	6.3	45	1
140BLB4	12.0	70	5	200JB4	12	45	5	230HBB4	12.0	45	7GT	280AB4.A	6.3		
140CB4	12	45	7GT	200MB4	12.0	45	7GT	230IBB4	12.6	45	5	280CB4	6.3	45	3
140DB4	12.6	45	5	210AB4	6.3	45	1	230JBB4	12.6	45	5	280DB4	12.6	45	5
140EB4	12.6	45	5	210CB4	6.3			230KBB4	12.6	45	5	280EB4	6.3	45	5
140FB4	12.6	45	7GT	210DB4	6.3			230LBB4	12.6	45	5	280FR4	6.3	45	3
140GB4	12.6	30		210EB4	12.6	70	3	230MB4	12.6		5	280GB4	6.3	45	5
140MB4	12.6	45	5	210FB4	12.6			230NBB4	12.6			280HB4	6.3	45	5
140QB4	12.6	30		210GB4	12.6			230OBB4	12.6		5	280JB4	12	45	5
140TB4	12	45	5	210HB4	12.6	45	3	230PBB4	12	4570	5	280KB4	6.3	45	5
140YB4	12	45	5	210JB4	12.6			230QBB4	12		5	280LB4	6.3	45	5
150AB4	12.6			210KB4	6.3			230RBB4	12	45	5	280MB4	6.3	45	5
150ACB4	12.6	45	7GT	210LB4	12.6			230SBB4	12.6	45	5	280NB4	12	45	5
150AFB4	12	45	5	210MB4	12.6	70	3	230TBB4.A	6.3	45	5	280RB4	12.6	45	7GT
150AHB4	12	45	5	210NB4	6.3			230UBB4	6.3	45	5	280TB4	12	45	5
150CB4	12.6		7GT	210RB4	6.3	45	1	230VBB4	12	45	5	280UB4	4.2	45	5
150EB4	12.6	70		210SB4.A	12	45	5	230WBB4	12	45	5	280VB4	12.6	45	5
150FR4	12.6			230AB4	6.3			230XBB4	12	45	5	280ZB4	12.6	45	7GT
150GB4	12.6	5		230ACB4	12	70	5	280YB4	6.3	4570	5	290DB4.A	12	70	5
				230ADB4	12.6	45	7GT	230ZB4	12	7045	5	290EB4	12	45	5
								230BAB39	6.3	45	3	300FR4	6.3		

T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
310AB4, A	6.3	45	3	310BZB4, A	6.3	45	3	310DYB4				310PYB4	12	45	
310ACB4	4.2	45	3	310CB4	12.6	45	3	310DZB4	6.3	45	3	310FZB4	12	45	5
310ADB4	12.6	45	3	310CAB4, A	6.3	70	3	310EB4	12.6	45	3	310GB4	12.6	45	
310AEB4	12.6		3	310CDB4, A	6.3	45	5	310FAB4	6.3	45	5	310GAB4	6.3	45	
310AFB4	12.6		3	310CEB4	12.6	45	5	310FCB4	6.3	45	5	310GDB4	4.2	45	5
310AGB4	6.3	70	3	310CFB4, A	12	45	5	310EDB4	4.2	45	5	310GNB4, A	12	70	5
310AHB4	6.3	45	5	310CGB4	4.2		5	310EFB4, A	6.3	45	5	310GTR4	12	45	5
310AJB4	6.3	70	3	310CHB4	6.3	45	3	310EGB4	6.3	70	3	310GYB4	12	45	5
310AKB4	12.6	45	5	310CJB4	6.3		3	310HGB4	6.3	45	5	310GZB4	6.3	45	5
310ALB4	12.6	45	5	310CKB4	6.3	45	3	310FJB4, A	6.3	45	3	310HCB4	12.6	45	5
310AMB4, A	6.3	45	3	310CLB4, A	6.3	45	3	310ENB4	6.3	75	3	310HDB4	11	45	5
310ANB4	6.3	45	3	310CMB4, A	6.3	45	3	310ELB4	12.6	45		310HFB4	11	70	5
310ARB4	12.6	45	5	310CNB4	6.3	45	3	310EMB4	12	45	5	310HFB4	11.0	70	5
310ASB4	6.3	45	5	310CSB4, A	6.3	45	5	310ENB4	6.3	45	5	310JB4	6.3	45	5
310ATB4	12.6	70	5	310CTB4	6.3	45	3	310ERB4	6.3	45	5	310KB4	12.6	45	
310AUB4	12.6	45	5	310CTB4, A	6.3	45	3	310ESB4	6.3			310LB4	12.6	45	
310AVB4, A	4.2	45	5	310CVB4	6.3	45	5	310ETB4	4.2	70	5	310MB4	12.6	45	5
310AWB4, A	4.2	45	5	310CWB4	6.3	45	3	310EB4	12	70	5	310NB4	6.3	45	5
310AXB4, A	6.3	45	3	310CXB4	4.2	45	5	310EVB4	6.3	45	5	310ORB4	3.15	45	5
310AYB4, A	6.3	45	5	310CYB4	6.3	45	5	310EWB4	6.3	45	5	310SB4	4.2	70	5
310AZB4, A	12.6	45	5	310CZB4	12.6	45	5	310EXB4, A	12	45	3	310TB4	3.15		
310BAB4, A	4.2	70	5	310DB4	6.3	45	3	310EYB4, A	12	45	5	310UB4	6.3	45	5
310BCB4	4.2	45	5	310DAB4	12	70	5	310EZB4	12			310VB4	3.15	45	5
310BDB4, A	6.3	45	3	310DCB4	12	45	5	310FB4	12.6	70	3	310WB4	12.6	45	5
310BEB4	6.3	70	3	310DEB4	6.3	45	3	310FAB4, A, C12	4.2	45	5	310XB4	4.2	45	5
310BFB4, A	6.3	45	3	310DFB4	12	45	5	310FCB4	6.3	45	5	310YB4	4.2	45	5
310BGB4	12.6			310DGB4	12.6	45	5	310FDB4, A	12.6	45	5	310ZB4	6.3	45	
310BHB4	12.6	70	5	310DHB4	12.6	45	5	310FERB4	4.2	45	5	320AMB4	12.0	70	5
310BJB4	6.3		3	310DJB4	12.6	45	5	310FHB4	6.3			320ANB4	11.0	70	5
310BKB4, A, R	6.3	45	3	310DKB4	6.3	45	3	310FJB4	4.2	45	5	340ARB4, A	12	45	5
310BLB4	6.3		3	310DLB4	12	45	5	310FKB4, A	6.3	70	5	340ACB4	12	45	5
310BMB4	6.3	45	5	310DMB4	12	45	5	310FLB4	4.2			340ADB4	6.3	45	5
310BNB4	4.2		5	310DNB4	12	45	5	310FMB4	4.2	45	5	340AEB4	12	45	
310BRB4	12.6	45						310FNB4	12	45	5	340AGB4	12	45	
310BSB4	12.6	45		310DSB4	12	45	5	310FRB4	12	45	5	340AHB4	12.6	45	5
310BTB4	12.6	45		310DTB4	6.3	45	3	310FSB4	12	45	3	340AUB4	12.6	45	5
310BYB4	12	75	5	310DUB4	12.6	45		310FTB4	4.2	45					
310BWB4, A	4.2	45	5	310DVB4	4.2	45	5	310FUB4	12.6	45	5	340AKB4	4.2	45	5
310BXB4, A	6.3	45	3	310DWB4	12	45	5	310FVB4	11	45					
310BYB4, A	6.3	45	5	310DYB4	12.6	45	5	310FYB4	12	70	5	340ALB4	4.2	45	

T Y P E	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T Y P E	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T Y P E	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T Y P E	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
340AMB+	12	45	5	400ACB+	6.3	45	3	400CCB+	6.3	45	5	440RAB+	6.3	45	3
340ANB+, A	6.3	45	5	400ADB+	6.3	45	3	400CCB+	4.2	45	5	440REB+	12.6	45	5
340ARB+, A	6.3	45	5	400AEB+	6.3	45	3	400CJB+	6.3	45	3	440RFB+	12	45	5
340ASB+, A	12	45	5	400AFB+, A	6.3	45	3	400CMB+	6.3	45	3	440RGB+	8.4	45	3
340ATB+	12	45	5	400ACB+, A	6.3	45	3	400CRB+	12	45	5	440RSB+	6.3	45	5
340AVB+	6.3	45	5	400AHB+	6.3	45	3	400CSB+	6.3	45	3	440RTB+	12	45	5
340AXB+	12	70	5	400AJB+	6.3	45	3	400CTB+	12	45	5	440CB+	6.3	45	3
340AYB+	12	45	5	400AKB+	6.3	45	3	400CZB+	6.3	45	5	440CRB+	6.3	70	3
340AZB+	12	45	5	400ALB+	6.3	45	3	400DB+	6.3	45	3	440CVB+	11.0	45	5
340BAB39	6.3	35	3	400AMB+	6.3	45	3	400DEB+	6.3	45	3	440EB+	6.3	45	3
340BCB+, A	12	70	5	400ANB+	6.3	45	3	400DOB+	6.3	45	3	440FB+	6.3	45	3
340BDB+	12	45	5	400ARB+	6.3	45	3	400DLB+	6.3	70	3	440GB+	6.3	70	3
340BFB+	12	45	5	400ASB+	6.3	45	3	400FR+	6.3	45	3	440HB+	6.3	45	3
340BGB+	12	45	5	400ATB+	6.3	45	3	400GB+	12.6	70	3	440JB+	6.3	45	3
340BUB+	11.0	70	5	400AUB+	6.3	45	3	400HB+	6.3	45	3	440KB+	6.3	45	3
340CB+	12	45	5	400AVB+	6.3	45	3	400NB+	6.3	45	3	440LB+	6.3	45	3
340DB+	12	45	5	400AWB+	6.3	45	3	400SB+	6.3	45	3	440MB+	6.3	45	3
340EB+	4.2	45	5	400AXB+	6.3	45	3	400TB+	6.3	45	3	440NB+	6.3	45	3
340FB+, A	4.2	45	5	400AYB+	6.3	45	3	400UB+, A	6.3	45	3	440RB+	6.3	45	3
340GB+, A	12	45	5	400AZB+	6.3	45	3	400VB+	6.3	45	3	440SB+	6.3	45	3
340HBA	12	45	5	400BAB+	6.3	45	3	400WH+, A	6.3	45	3	440TB+	6.3	45	3
340JB+	4.2	45	5	400BCB+	6.3	45	3	400XH+, A	6.3	45	3	440UB+	6.3	70	3
340KB+	6.3	45	5	400BFB+	6.3	45	5	400YB+, A	6.3	70	3	440VB+	6.3	70	3
340LB+	6.3	45	5	400BGB+	4.2	45	5	400ZB+, A	6.3	45	3	440WB+	6.3	45	3
340MB+	6.3	45	5	400BHB+	6.3	45	3	430EB+	6.3	45	3	440XB+	6.3	45	3
340NB+	6.3	45	5	400BKB+	6.3	45	5	440AB+	6.3	45	3	440YB+	6.3	45	3
340RB+	12	70	5	400BNB+	6.3	45	3	440ACB+	6.3	45	3	440ZB+	6.3	45	3
340TB+	6.3	70	3	400BSB+	6.3	45	3	440ADB+	6.3	45	3	470AB+	6.3	45	3
340UB+	6.3	70	3	400BTB+	6.3	45	3	440AEB+	6.3	45	3	470ACB+	6.3	45	3
340WB+	6.3	70	3	400BUB+	6.3	45	3	440AFB+	6.3	70	3	470ADB+	6.3	45	3
340XB+	6.3	70	3	400BVB+	6.3	45	3	440ACB+	6.3	45	3	470AEB+	6.3	70	3
340YB+	12.6	45	5	400BWB+	6.3	45	3	440AHB+	6.3	45	3	470AFB+	6.3	45	3
340ZB+	12	70	5	400BXB+	6.3	45	3	440ANB+	6.3	45	3	470AEB+	6.3	45	3
340RBA	6.3	45	3	400BYB+	6.3	45	3	440ARB+	4.2	70	3	470AFB+	6.3	45	3
360EB+	6.3	45	3	400BZB+	6.3	45	3	440ATB+	6.3	45	3	470ARB+	6.3	45	3
360GB+	6.3	45	3	400CB+	6.3	45	3	440AUB+	6.3	45	3	470ASB+	6.3	45	3
360HB+	6.3	45	1	400CAB+	4.2	40	3	440AVB+	6.3	45	3	470ATB+	6.3	45	3
360JB+	6.3	45	3	400CDB+	6.3	35	3	440AVB+	6.3	45	3	470AUB+	6.3	45	3
400AB+	6.3	45	3	400CEB+	6.3	45	3	440AWB+	6.3	45	3	470AMB+	6.3	45	3
400CFB+	6.3	45	3	400CFB+	6.3	45	3	440AXB+	6.3	45	3	470ANB+	6.3	45	3
				440AYB+	6.3	70	3					470ARB+	6.3	45	3

T TYPE	HEATER VOLTAGE	G I VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G I VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G I VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G I VOLTAGE	SOCKET
470ASB4	6.3	45	3	500AKB4	6.3	45	3	520AB4	6.3	70	3				
470ATB4	6.3	45	3	500ALB4	6.3	45	3	520CB4	6.3	45	3				
470ACB4	6.3			500ALB4	6.3	45	3	520DB4	6.3	45	3				
470AVB4	4.2	70	3	500ANB4	6.3	45	3	520EB4	6.3	45	3				
470AWB4	4.2	70	2	500ANB4	6.3	45	3	520FB4	6.3	45	3				
470AXB4	6.3	45	3	500ARB4	6.3	45	3	520GB4	6.3	45	3				
470AYB4	6.3	45	3	500ASB4	6.3	45	3	530WB4	6.3	45	3				
470AZB4	6.3	45	3	500ATB4	6.3	70	3	590AB4	6.3	45	3				
				500ATB4	6.3	70	3	590CB4	6.3	70	3				
470BAB4	6.3	45		500AVB4	6.3	45	3	590DB4	6.3	70	3				
470BCB4	6.3	45		500AWB4	6.3	45	3	590EB4	6.3	45	3				
470CB4	6.3	45	3	500AYB4	6.3	45	3	590FB4	6.3	45	3				
470CSB4	6.3	45	3	500AZB4	6.3	45	3	590GB4	6.3	45	3				
470DB4	6.3	45	3	500BAB4	6.3	45	3	590HB4	6.3	45	3				
470EB4	4.2	45	3					590JB4	6.3	45	3				
470FB4	6.3	45	3	500BDB4	6.3	45	3	590KB4	6.3	45	3				
470GB4	6.3	45	3	500BEB4	6.3	70	3	590LB4	6.3	45	3				
470HBB4	6.3	45	3	500BFB4	6.3	45	3	590MB4	6.3	45	3				
470JB4	6.3	45	3	500BKB4	6.3	45	3	590NB4	6.3	45	3				
470KB4	6.3	45	3	500BKB4	6.3	70	3	590RB4	6.3	45	3				
470LBB4	6.3	45	3												
470MB4	6.3	45	3	500CB4	6.3	45	3	590SB4	6.3	45	3				
470NBB4	6.3	45	3	500DB4	6.3	45	3	590TB4	6.3	45	3				
470RBB4	6.3	45	3	500EB4	6.3	45	3	590UB4	6.3	45	3				
470SB4	6.3	45	3	500FB4	6.3	45	3	590VB4	6.3	45	3				
470TB4	6.3	45	3	500GB4	6.3	45	3	590WB4	6.3	45	3				
470UB4	6.3	45	3					590XB4	6.3	45	3				
470VBB4	6.3	45	3	500HBB4	6.3	45	3	590YB4	4.2	70	3				
470WBB4	6.3	45	3	500JBB4	4.2	70	3	590ZB4	6.3	70	3				
470XBB4	6.3	45	3												
470YBB4	6.3	45	3	500LBB4	6.3	45	3								
470ZBB4	6.3	45	3	500MB4	6.3	45	3								
490ACB4	6.3	45	3	500NB4	6.3	45	3								
500AB4	6.3	70	3	500ORB4	6.3	45	3								
500ACB4	6.3	45	3	500SB4	6.3	45	3								
500ADB4	6.3	45	3	500TB4	6.3	45	3								
500AEB4	6.3	45	3	500UB4	6.3	45	3								
500AFB4	6.3	45	3	500VBB4	6.3	70	3								
500AGB4	6.3	45	3	500WBB4	6.3	70	3								
500AHB4	6.3	45	3	500XBB4	6.3	45	3								
				500YBB4	6.3	70	3								
				500ZBB4	6.3	70	3								

COLOR PICTURE CRTS

Precaution:
Please note that it is not possible to test or rejuvenate
the Trinitron type picture tubes.

T Y P E	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T Y P E	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T Y P E	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T Y P E	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
9VACP22	6.3	45		14VANP22	6.3	45	7	16CYP22	6.3	45	7	17VACP22	6.3	45	7
10VABP22	6.3	45		15AP22	6.3	45	7	16VABP22	6.3	45	7	17VADP22	6.3	45	7
10VADP22	6.3	45		15ABP22	6.3	45	7	16VACP22	6.3	45	7	17VAEP22	6.3	45	7
11SP22	13.8	45	8	15ACP22	6.3	45	7	16VADP22	6.3	45	7	17VAFP22	6.3	45	7
11WP22	13.8	45	8	15AEP22	6.3	45	7	16VAEP22	6.3	45	7	17VACP22	6.3	45	7
12DCP22	6.3	45	7	15AEP22TC01	6.3			16VAFP22	6.3	45	7	17VAHP22	6.3	45	11
12VADP22	6.3	45	7	15AEP22TC02	6.3		7	16VAHP22	6.3	45	7	17VAJP22	6.3	45	7
12VAHP22	6.3	45	7	15AFP22	6.3	45		16VAKP22	6.3	45	7	17VAKP22	6.3	45	7
12VAJP22	6.3	45	7	15AFP22TC01	6.3		7	16VAMP22	6.3	45	7	17VAMP22	6.3	45	7
				15ACP22	6.3	45	7	16VANP22	6.3	45	7	17VAMP22TC01	6.3		
12VALP22	6.3	45	7									17VAMP22TC02	6.3		
12VARP22	6.3	45	7	15AHP22	6.3	45	7	16VASP22	6.3	45	7	17VANP22	6.3	45	11
12VASP22	6.3	45	7	15AJP22	6.3	45	7	16VATP22	6.3	45	7	17VANP22TC01	6.3		
12VATP22	6.3	45	7	15KP22	6.3	45	7	16VAUP22	6.3	45	7	17VANP22TC02	6.3		
13CP22	6.3	45	7	15LP22	6.3	45	7	16VAMP22	6.3	45	7	17VANP22TC02	6.3		
				15NP22	6.3	45		16VAXP22	6.3	45	7	17VARP22	6.3		
13JP22	6.3	45	7					16VBDP22	6.3	45					
13LP22	6.3	45	7	15NP22	6.3	45	7	16VBERP22	6.3	45	7	17VASP22	6.3		
13MP22	6.3	45	7	15RP22	6.3	45	7	16VBF22	6.3	45	7	17VATP22TC01	6.3		11
13VAEP22	6.3	45	7	15SP22	6.3	45	7	16VBFP22	6.3	45	7	17VATP22TC02	6.3		
13VAFP22	6.3	45		15TP22	6.3	45	7	16VBGP22	6.3	45	7	17VATP22TC02	6.3		
								16VBHP22	6.3	45	7				
13VAGP22	6.3	45		15UP22	6.3	45	7	16VBM22	6.3	45		17VAMP22	6.3		11
13VAHP22	6.3	45		15VADP22	6.3	45	11					17VAP22	6.3		11
13VAKP22	6.3	45		15VADP22TC01	6.3			16VESP22	6.3	45	7	17VAP22TC01	6.3		
13VAMP22	6.3	45		15VADP22TC02	6.3			16VEP22	6.3	45		17VAP22TC02	6.3		
13VAKP22TC01	6.3			15VAEP22	6.3	45	11	16VEMP22	6.3	45		17VAP22TC02	6.3		
				15VAEP22TC01	6.3			16VP22	6.3	45	7	17VAP22	6.3		11
13VAKP22TC02	6.3			15VAEP22TC02	6.3										
14AFP22	6.3	45	7					17EJP22	6.3	45		17VAZP22TC02	6.3		
14BCP22	6.3	45		15VAFP22	6.3	45		17ENP22	6.3	45		17VABP22	6.3	45	7
14BEP22	6.3	45		15VAFP22TC01	6.3			17ETP22	6.3	45	7	18VACP22	6.3	45	7
14BFP22	6.3	45		15VAGP22	6.3	45	7	17EVP22	6.3	45	7	18VADP22	6.3	45	7
				15VAHP22	6.3	45		17EZP22	6.3	45	7	18VAEP22	6.3	45	7
14VABP22	6.3	45	7					17EXP22	6.3	45		18VAFP22	6.3	45	7
14VACP22	6.3	45	7	15WP22	6.3	45	7	17FAP22	6.3	45	7	18VAGP22	6.3	45	7
14VADP22	6.3	45	7	15XP22	6.3	45	7	17FBP22	6.3	45	7	18VAKP22	6.3	45	7
14VAEP22	6.3	45	7	15YP22	6.3	45	7	17FEP22	6.3	45	7				
14VAFP22	6.3	45	7	15ZP22	6.3	45	7	17FGP22	6.3	45	7				
14VALP22	6.3	45	7	16BVP22	6.3	45	7								
14VAHP22	6.3	45	7					17FHP22	6.3	45	7	18VALP22	6.3	45	7
14VAKP22	6.3	45	7	16CBP22	6.3	45		17FJP22	6.3	45	7	18VAMP22	6.3	45	7
14VALP22	6.3	45	7	16CDP22	6.3	45	7	17FKP22	6.3	45	7				
14VADP22	6.3	45	7	16CSP22	6.3	45	7	17VP22	6.3	45	7	18VAP22	6.3	45	7
14VAKP22	6.3	45	7	16CYP22	6.3	45	7	17VBP22	6.3	45	7	18VAP22	6.3	45	7
14VALP22	6.3	45	7	16DAP22	6.3	45	7	17VABP22	6.3	45	7	18VARP22	6.3	45	7

T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
20VAGP22	6.3	45	7	21VAF22	6.3	45	7	22JP22	6.3	45	7	23VBF22	6.3	45	7
20VADP22	6.3	45	7	21VAFP22	6.3	45	7	RE223P22	6.3	45	7	23VBFP22	6.3	45	7
20VAEP22	6.3	45	7	21VJ22	6.3	45	7	22KP22	6.3	45	7	23VBGP22	6.3	45	7
20VAFP22	6.3	45	7	21VAKP22	6.3	45	7	23VBNP22	6.3	45	7	23VBHP22	6.3	45	7
20VAGP22	6.3	45	7	21VALP22	6.3	45	7	RE22KP22	6.3	45	7				
20VAHP22	6.3	45	7	21VAMP22	6.3	45	7	22LP22	6.3	45	7	23VBJP22	6.3	45	7
20VAJP22	6.3	45	7	21VAQP22	6.3	45	7	22QP22	6.3	45	7	23VBKP22	6.3	45	7
20VAKP22	6.3	45	7					22RP22	6.3	45	7	23VBNP22	6.3	45	7
20VALP22	6.3	45	7	21VAHP22	6.3	45	7	22SP22	6.3	45	7	23VBNP22	6.3	45	7
20VAMP22	6.3	45	7	21VAUP22	6.3	45	7	22UP22	6.3	45	7	23VBRP22	6.3	45	7
20VANP22	6.3	45	7	21VAXP22	6.3	45	7	22VP22	6.3	45	7	23VBS22	6.3	45	7
20VARP22	6.3	45	7	21VAYP22	6.3	45	7	22WP22	6.3	45	7	23VBTP22	6.3	45	7
				21VAZP22	6.3	45	11	22XP22	6.3	45	7	23VBUP22	6.3	45	7
20VASP22	6.3	45	7					22YP22	6.3	45	7	23VBWP22	6.3	45	7
21ABP22	6.3	45	7	21VBAP22	6.3	45	7								
21AMP22	6.3	45	7	21VBCP22	6.3	45	7	23AXP22	6.3	45	7	23VBXP22	6.3	45	7
21ANP22, A	6.3	45	7	21VBDP22	6.3	45	7	23BP22, A	6.3	45	7	23VBYP22	6.3	45	7
21CP22, A	6.3	45	7	21VBEP22	6.3	45	7	23BALP22	6.3	45	7	23VCAP22	6.3	45	7
21EP22	6.3	45	7	21VBF22	6.3	45	7	23EGP22, A	6.3	45	7	23VCP22	6.3	45	7
21FBP22, A	6.3	45	7					23VABP22	6.3	45	7	23VCDP22	6.3	45	7
				21VBGP22	6.3	45	7								
RE21FBP22, A	6.3	45	7	21VBHP22	6.3	45	7	23VACP22	6.3	45	7	23VCEP22	6.3	45	7
21FJP22, A	6.3	45	7	21VBJP22	6.3	45	7	23VADP22	6.3	45	7	23VCGP22	6.3	45	7
RE21FJP22	6.3	45	7	22ABP22	6.3	45	7	23VAEP22	6.3	45	7	23VCHP22	6.3	45	7
21FKP22	6.3	45	7	22ACP22	6.3	45	7	23VAHP22	6.3	45	7	23VRP22	6.3	45	7
RE21FKP22	6.3	45	7	22ADP22	6.3	45	7	23VAJP22	6.3	45	7	23VRTP22	6.3	45	7
				22AEP22	6.3	45	7	23VALP22	6.3	45	7	23YBP22	6.3	45	7
21GFP22	6.3	45	7	22AGP22	6.3	45	7	23VAMP22	6.3	45	7	25AP22, A	6.3	45	7
21GLP22	6.3	45	7	22AHP22	6.3	45	7	23VANP22	6.3	45	7	RE25AP22, A	6.3	45	7
21GNP22	6.3	45	7					23VAQP22	6.3	45	7	25ABP22	6.3	45	7
21GRP22	6.3	45	7	22ALP22	6.3	45	7	23VARP22	6.3	45	7				
21GVP22	6.3	45	7	22AMP22	6.3	45	7	23VAP22	6.3	45	7	25ABNP22	6.3	45	7
21GWP22	6.3	45	7	22ANP22	6.3	45	7	23VATP22	6.3	45	7	25ACP22	6.3	45	7
				22ARP22	6.3	45	7	23VAUP22	6.3	45	7	25ADP22	6.3	45	7
21GNP22	6.3	45	7	22ATP22	6.3	45	7	23VAMP22	6.3	45	7	25AEP22	6.3	45	7
21GYP22	6.3	45	7					23VAXP22	6.3	45	7	25AFP22	6.3	45	7
21GZP22	6.3	45	7	22AVP22	6.3	45	7	23VAYP22	6.3	45	7	25AGP22	6.3	45	7
21HAP22	6.3	45	7	22AMP22	6.3	45	7	23VAZP22	6.3	45	7	25AHP22	6.3	45	7
21HBP22	6.3	45	7	22AXP22	6.3	45	7	23VBCP22	6.3	45	7	25AKP22	6.3	45	7
				22BCP22	6.3	45	7					25ALP22, A	6.3	45	7
21VABP22	6.3	45	7					23VBDP22	6.3	45	7	25AMP22	6.3	45	7
21VACP22	6.3	45	7	22EP22	6.3	45	7	23VBE22	6.3	45	7	25ANP22	6.3	45	7
21VADP22	6.3	45	7												
21VAEP22	6.3	45	7	22GP22, A	6.3	45	7								

T Y P E	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T Y P E	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T Y P E	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T Y P E	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
25AQP22	6.3	45	7	25VP22	6.3	45	7	25VBYP22	6.3		7	26GP22	6.3	45	7
25ASP22	6.3	45	7	25VABP22	6.3	45	7	25VBBP22	6.3		7	26HP22	6.3	45	7
25ATP22	6.3	45	7	25VACP22	6.3	45	7	25VBCP22	6.3		7	26KP22	6.3	45	7
25AUP22	6.3	45	7	25VADP22	6.3	45	7	25VCDP22	6.3		7				
25AVP22	6.3	45	7	25VAEP22	6.3	45	7	25VCEP22	6.3		7	25VCP22	6.3	45	7
25AXP22	6.3	45	7	25VAFP22	6.3	45	7	25VCGP22	6.3		7	25VCHP22	6.3	45	7
25AYP22	6.3	45	7	25VAGP22	6.3	45	7	25VCHP22	6.3		7	25VDTP22	6.3	45	7
25AZP22	6.3	45	7	25VAJP22	6.3		7	25VCJP22	6.3		7	25VDUP22	6.3	45	7
25BP22, A	6.3	45	7	25VAKP22	6.3		7	25VCKP22	6.3		7	25VDWP22	6.3	45	7
25BRP22, A	6.3	45	7	25VALP22	6.3		7	25VCLP22	6.3		7	25VDXP22	6.3	45	7
25BAP22	6.3	45	7	25VAMP22	6.3	45	7	25VCM22	6.3	45	7	25VERP22	6.3	45	7
25BCP22	6.3	45	7	25VAQP22	6.3	45	7	25VCNP22	6.3		7	25VECP22	6.3	45	7
				25VARP22	6.3	45	7	25VCTP22	6.3		7	25VEFP22	6.3	45	7
25BDP22	6.3	45	7	25VASP22	6.3	45	7	25VCWP22	6.3		7	25VEGP22	6.3	45	7
25BFP22	6.3	45	7	25VATP22	6.3	45	7					25VEJP22	6.3	45	7
25BGP22	6.3	45	7	25VAUP22	6.3	45	7	25VCZP22	6.3	45	7	25VEKP22	6.3	45	7
25BHP22	6.3	45	7	25VAMP22	6.3	45	7	25VDBP22	6.3		7				
25BJP22	6.3	45	7	25VAXP22	6.3	45	7	25VDBP22	6.3		7				
				25VAYP22	6.3	45	7	25VDCP22	6.3	45	7				
25BKP22	6.3	45	7	25VAZP22	6.3	45	7	25VDEP22	6.3		7				
25BNP22	6.3	45	7	25VBAP22	6.3	45	7	25VDFP22	6.3	45	7				
25BRP22	6.3	45	7	25VBCP22	6.3	45	7	25VDGP22	6.3		7				
25BSP22	6.3	45	7	25VBDP22	6.3	45	7	25VDHP22	6.3		7				
25BTP22	6.3	45	7	25VBE22	6.3	45	7	25VDKP22	6.3		7				
				25VBCP22	6.3		7	25VDM22	6.3		7				
25BVP22	6.3	45	7	25VBHP22	6.3	45	7	25VDNP22	6.3		7				
25BWP22	6.3	45	7	25VBJP22	6.3	45	7								
25BXP22	6.3		7	25VBKP22	6.3		7	25VDRP22	6.3		7				
25BYP22	6.3		7	25VBLP22	6.3		7	25VDSP22	6.3		7				
25BZP22	6.3	45	7	25VBM22	6.3		7	25VFP22	6.3		7				
				25VBNP22	6.3		7	25VHCP22, H	6.3		7				
25CP22	6.3	45	7	25VBQP22	6.3		7	25VJP22	6.3	45	7				
RE25CP22	6.3	45	7	25VBRP22	6.3		7	25VMP22	6.3	45	7				
RE25CP22	6.3	45	7	25VBRP22	6.3		7	25VNP22	6.3	45	7				
25CAP22	6.3	45	7	25VBS22	6.3		7	25VOP22	6.3	45	7				
25CBP22	6.3	45	7					25VPP22	6.3	45	7				
25CP22, A	6.3	45	7	25VBT22	6.3		7	25VQ22	6.3	45	7				
25GP22, A	6.3	45	7	25VBUP22	6.3		7	25VR22	6.3	45	7				
25RP22	6.3	45	7	25VBWP22	6.3		7	25VSP22	6.3	45	7				
25SP22	6.3	45	7	25VBXP22	6.3		7	25VTP22	6.3	45	7				
25TP22	6.3	45	7	25VBYP22	6.3		7	25VUP22	6.3	45	7				
				25VBNP22	6.3		7	25VWP22	6.3	45	7				
				25VBP22	6.3		7	25VXP22	6.3	45	7				
				25VCP22	6.3		7	25VYP22	6.3	45	7				
				25VDP22	6.3		7	25VZP22	6.3	45	7				
				25VEP22	6.3		7	25VAP22	6.3	45	7				
				25VFP22	6.3		7	25VBP22	6.3	45	7				
				25VGP22	6.3		7	25VCP22	6.3	45	7				
				25VHP22	6.3		7	25VDP22	6.3	45	7				
				25VJP22	6.3		7	25VEP22	6.3	45	7				
				25VKP22	6.3		7	25VFP22	6.3	45	7				
				25VLP22	6.3		7	25VGP22	6.3	45	7				
				25VMP22	6.3		7	25VHP22	6.3	45	7				
				25VNP22	6.3		7	25VJP22	6.3	45	7				
				25VOP22	6.3		7	25VKP22	6.3	45	7				
				25VPP22	6.3		7	25VLP22	6.3	45	7				
				25VQP22	6.3		7	25VMP22	6.3	45	7				
				25VRP22	6.3		7	25VNP22	6.3	45	7				
				25VSP22	6.3		7	25VOP22	6.3	45	7				
				25VTP22	6.3		7	25VQP22	6.3	45	7				
				25VUP22	6.3		7	25VRP22	6.3	45	7				
				25VWP22	6.3		7	25VSP22	6.3	45	7				
				25VXP22	6.3		7	25VTP22	6.3	45	7				
				25VYP22	6.3		7	25VUP22	6.3	45	7				
				25VZP22	6.3		7	25VWP22	6.3	45	7				
				25VAP22	6.3		7	25VXP22	6.3	45	7				
				25VBP22	6.3		7	25VYP22	6.3	45	7				
				25VCP22	6.3		7	25VZP22	6.3	45	7				
				25VDP22	6.3		7	25VAP22	6.3	45	7				
				25VEP22	6.3		7	25VBP22	6.3	45	7				
				25VFP22	6.3		7	25VCP22	6.3	45	7				
				25VGP22	6.3		7	25VDP22	6.3	45	7				
				25VHP22	6.3		7	25VEP22	6.3	45	7				
				25VJP22	6.3		7	25VFP22	6.3	45	7				
				25VKP22	6.3		7	25VGP22	6.3	45	7				
				25VLP22	6.3		7	25VHP22	6.3	45	7				
				25VMP22	6.3		7	25VJP22	6.3	45	7				
				25VNP22	6.3		7	25VKP22	6.3	45	7				
				25VOP22	6.3		7	25VLP22	6.3	45	7				
				25VPP22	6.3		7	25VMP22	6.3	45	7				
				25VQP22	6.3		7	25VNP22	6.3	45	7				
				25VRP22	6.3		7	25VOP22	6.3	45	7				
				25VSP22	6.3		7	25VPP22	6.3	45	7				
				25VTP22	6.3		7	25VQP22	6.3	45	7				
				25VUP22	6.3		7	25VRP22	6.3	45	7				
				25VWP22	6.3		7	25VSP22	6.3	45	7				
				25VXP22	6.3		7	25VTP22	6.3	45	7				
				25VYP22	6.3		7	25VUP22	6.3	45	7				
				25VZP22	6.3		7	25VWP22	6.3	45	7				
				25VAP22	6.3		7	25VXP22	6.3	45	7				
				25VBP22	6.3		7	25VYP22	6.3	45	7				
				25VCP22	6.3		7	25VZP22	6.3	45	7				
				25VDP22	6.3		7	25VAP22	6.3	45	7				
				25VEP22	6.3		7	25VBP22	6.3	45	7				
				25VFP22	6.3		7	25VCP22	6.3	45	7				
				25VGP22	6.3		7	25VDP22	6.3	45	7				
				25VHP22	6.3		7	25VEP22	6.3	45	7				
				25VJP22	6.3		7	25VFP22	6.3	45	7				
				25VKP22	6.3		7	25VGP22	6.3	45	7				
				25VLP22	6.3		7	25VHP22	6.3	45	7				
				25VMP22	6.3		7	25VJP22	6.3	45	7				
				25VNP22	6.3		7	25VKP22	6.3	45	7				
				25VOP22	6.3		7	25VLP22	6.3	45	7				
				25VPP22	6.3		7	25VMP22	6.3	45	7				
				25VQP22	6.3		7	25VNP22	6.3	45	7				
				25VRP22	6.3		7	25VOP22	6.3	45	7				
				25VSP22	6.3		7	25VPP22	6.3	45	7				
				25VTP22	6.3		7	25VQP22	6.3	45	7				
				25VUP22	6.3		7	25VRP22	6.3	45	7				
				25VWP22	6.3		7	25VSP22	6.3	45	7				
				25VXP22	6.3		7	25VTP22	6.3	45	7				
				25VYP22	6.3		7	25VUP22	6.3	45	7				
				25VZP22	6.3		7	25VWP22	6.3	45	7				
				25VAP22	6.3		7	25VXP22	6.3	45	7				
				25VBP22	6.3		7	25VYP22	6.3	45	7				</

COLOR PICTURE CRTS (H-01 and E-02 are same.)

TYPE			TYPE			TYPE			TYPE		
TYPE	HEATER VOLTAGE	G 1 VOLTAGE	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	TYPE	HEATER VOLTAGE	G 1 VOLTAGE
A37-550X	6.3	45	A55-14X	6.3	45	A67-100X	6.3	45			
A37-10X	6.3	45	A55-15X	6.3	45	A67-110X	6.3	45			
A37-161X	6.3	45	A55-16X	6.3	45	A67-120X	6.3	45			
A38-11X	6.3	45	A55-17X	6.3	45	A67-130X	6.3	45			
A38-12X	6.3	45	A55-18X	6.3	45	A67-140X	6.3	45			
A42-100X	6.3	45	A55-19X	6.3	45	A67-150X	6.3	45			
A42-161X	6.3	45	A55-20X	6.3	45	A67-200X	6.3	45			
A44-100X	6.3	45	A55-21X	6.3	45	A67-250X	6.3	45			
A44-271X	6.3	45	A55-141X	6.3	45	A67-260X	6.3	45			
A47-342X	6.3	45	A56-11X	6.3	45	A67-410X	6.3	45			
A47-343X	6.3	45	A56-120X, A, B, C	6.3	45	A67-510X	6.3	45			
A47-500X	6.3	45	A56-123X	6.3	45	A67-610X	6.3	45			
A47-550X	6.3	45	A56-140X	6.3	45	A67-615X	6.3	45			
A49-11X	6.3	45	A56-150X	6.3	45	E2309	6.3	45			
A49-12X	6.3	45	A56-410X	6.3	45	E2310	6.3	45			
A49-13X	6.3	45	A56-500X	6.3	45	E2321	6.3	45			
A49-14X	6.3	45	A56-510X	6.3	45	E2406	6.3	45			
A49-15X	6.3	45	A56-610X	6.3	45	H8923	6.3	45			
A49-16X	6.3	45	A56-611X	6.3	45	H8926	6.3	45			
A49-17X	6.3	45	A56-615X	6.3	45	H8954	6.3	45			
A49-18X	6.3	45	A63-11X	6.3	45	LD-20351	6.3	45			
A49-120X	6.3	45	A63-12X	6.3	45	LD-20361	6.3	45			
A49-190X	6.3	45	A63-13X	6.3	45	1819P22	6.3	45			
A49-191X	6.3	45	A63-15X	6.3	45	1828P22	6.3	45			
A49-192X	6.3	45	A63-16X	6.3	45	1829P22	6.3	45			
A49-200X	6.3	45	A63-17X	6.3	45	1830P22	6.3	45			
A51-110X	6.3	45	A63-18X	6.3	45	1833P22	6.3	45			
A51-130X	6.3	45	A63-19X	6.3	45	1834P22	6.3	45			
A51-150X	6.3	45	A63-120X	6.3	45	1835P22, A, B, C	6.3	45			
A51-160X	6.3	45	A63-200X	6.3	45	1836P22, A	6.3	45			
A51-161X	6.3	45	A63-220X	6.3	45	1837P22	6.3	45			
A51-170X	6.3	45	A65-120X	6.3	45	1838P22	6.3	45			
A51-180X	6.3	45	A65-140X	6.3	45	1839P22	6.3	45			
A51-190X	6.3	45	A66-120X	6.3	45	1841P22	6.3	45			
A51-191X	6.3	45	A66-140X	6.3	45	1842P22	6.3	45			
A51-263X	6.3	45	A66-410X	6.3	45	1843P22	6.3	45			
A51-500X	6.3	45	A66-500X	6.3	45	1845P22, A	6.3	45			
A51-510X	6.3	45	A66-501X	6.3	45	1859P22	6.3	45			
A51-570X	6.3	45	A66-510X	6.3	45	1877P22	6.3	45			
A53-13X	6.3	45	A66-540X	6.3	45	1879P22	6.3	45			
						1891P22	6.3	45			

COLOR PICTURE CRTS

T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	T TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
140ACB22	2.8	45		320DR22	6.3			370RQB22	6.3	45	7	370VB22	6.3	45	T-01
150LB22 (R)				320EB22	6.3	45	7	370BHB22	6.3	45	M-01	370WB22	6.3	45	T-01
150LB22 (G)	6.3	45	3	320FB22	6.3			370BLB22-T-C01	6.3	45	H-01	370ZB22	6.3	45	7
150LB22 (B)				320GB22, A	6.3	45	7	370BNB22-T-C01	6.3	45	H-01	400ACB22	6.3	45	7
160AB22	6.3	45	T-01	320HB22, A	6.3	45	7	370BVB22	6.3	30	7	400BDB22	6.3	45	7
200HR22				320LB22, A	6.3	45	7	370BYB22	6.3	45	7	400BB22	6.3	45	7
200KR22	12.6	45	11	320KB22	6.3	45	7	370AB22	6.3	45	7	400BLB22	6.3	45	7
200LB22	6.3	45	11	320LB22	6.3	45	7	370BRB22	6.3	45	7	400BMB22	6.3	45	7
250MB22	6.3	45	7	320MB22	6.3	45	7	370CR22	6.3	45	7	400BNB22, A, B	6.3	45	7
250RB22, A	6.3	45	7	320NB22, A	6.3	45	7	370CAB22	6.3	45	H-01	400BRB22	6.3	45	7
250TB22	6.3	45	7	320RB22, A	6.3	45	7	370CBB22	6.3	45	H-01	400CRB22	6.3	45	7
250XB22	6.3	45	11	320SB22	6.3	45	T-01	370CFB22	6.3	45	H-01	400CLB22, F	6.3	45	7
270CB22	6.3	45		320VB22	6.3	45		370CHB22	6.3	60	H-01	400CNB22	6.3	45	7
270EB22	6.3	45	T-01	350DB22	6.3			370CMB22	6.3		H-01	400CUB22, A, B	6.3	45	7
270LB22	6.3	45	T-01	360AB22	6.3			370CSB22-T-C01	6.3	45	H-01	400CVB22, B	6.3	45	7
270KB22	6.3	45	T-01	360CB22	6.3	45		370CUB22	6.3	45	H-01	400CXB22	6.3	45	7
270LB22	6.3	45	T-01	360CB22	6.3	45		370DZB22	6.3	45	H-01	400CYB22	6.3	45	7
290FB22	6.3	45	H-01	360FB22	6.3	45		370DEB22	6.3	45	M-01	400DAB22	6.3	45	11
290GB22	6.3	45	H-01	370AB22	6.3	45	7	370DFB22	6.3	45	H-01	400DCB22	6.3	45	7
290HB22	6.3	45		370ACB22	6.3	45		370DGB22	6.3	45	T-01	400DHB22	6.3	45	7
310DYB22	6.3	45	7	370ADB22	6.3	45	7	370EAB22	6.3	45	H-01	400DJB22	6.3	45	7
310FGB22	6.3	45	7	370AGB22	6.3	45	7	370ECB22	6.3	45	H-01	400DKB22, A	6.3	45	7
320AB22	6.3	45	7	370AHB22	6.3	45	7	370ETB22	6.3	45	T-01	400DMB22, A	6.3	45	7
320ACB22, A	6.3	45		370AKH22	6.3	45	7	370ERB22	6.3	45	T-01	400EB22	6.3	45	
320ADB22	6.3	45	7	370ALB22	6.3	45	7	370FLB22	6.3	45	H-01				
320AEB22	6.3	45	7	370AMB22	6.3	45	12	370FMB22	6.3	45	H-01				
320AGR22	6.3	45	7	370ANB22	6.3	45	T-01	370GB22	6.3	45	7				
320AHB22	6.3	45	7	370ARB22	6.3	45	T-01	370HBB22	6.3	45	7				
320AIB22	6.3	45	H-01	370AVB22	6.3	45	T-01	370JBB22	6.3	45	7				
320ARB22	6.3	45		370AWB22	6.3	45	7	370KBB22	6.3	45	7				
320ASB22	6.3	45	H-01	370AXB22	6.3	45	11	370LBB22	6.3	45	7				
320AWB22	6.3	45	H-01	370AYB22	6.3	45	12	370MB22	6.3	45	7				
320AYB22	6.3	45	T-01	370AZB22	6.3	45	7	370NB22	6.3	45	7				
320RQB22, A	6.3	45	H-01	370BAB22	6.3	45	7	370ORB22	6.3	45	7				
320UKB22	6.3	45	H-01	370BCB22	6.3	45	7	370SB22	6.3	45	7				
320VKB22	6.3	45	H-01	370BDB22	6.3	45	T-01	370TB22	6.3	45	7				
320VKB22	6.3	45	H-01	370BFB22	6.3	45	T-01	370UB22	6.3	45	7				
320CH22	6.3	45	7												

TYPE	HEATER		SOCKET	TYPE	HEATER		SOCKET	TYPE	HEATER		SOCKET	TYPE	HEATER		SOCKET
	VOLTAGE	G I			VOLTAGE	G I			VOLTAGE	G I			VOLTAGE	G I	
420AKB22	6.3	45	T-01	440AJB22	6.3	45	7	470CVB22	6.3	45	7	470GRB22	6.3	45	H-01
420ALB22	6.3	45	T-01	440ARB22, A	6.3	45	7	470CWB22	6.3	45	7	470GVB22	6.3	45	H-01
420ARB22	6.3	45	M-01	440ALB22	6.3	45	7	470CYB22	6.3	45	7	470GZB22	6.3	45	T-01
420ASB22	6.3	45	H-01	440ASB22	6.3	45	7	470CZB22	6.3	45	11	470HAB22	6.3	45	H-01
420ATB22	6.3	45	11	440ASB22, A	6.3	45	7	470DCB22	6.3	45	7	470HCB22	6.3	45	T-01
420AWB22	6.3	45	H-01	440AXB22	6.3	45	7	470DEB22, K	6.3	45	11	470HJB22	6.3	45	T-01
420AZB22	6.3	45	H-01	440AZB22, A	6.3	45	7	470DFB22	6.3	45	7	470KCB22	6.3	45	T-01
420BCB22	6.3	45	H-01	440BCB22	6.3	45	7	470DGB22	6.3	45	7	470KMB22	6.3	45	T-01
420BEB22	6.3	45	H-01	440BDB22	6.3	45	7	470DHB22	6.3	45	7	470KWB22	6.3	45	H-01
420BCB22	6.3	45	H-01	440BLB22	6.3	45	7	470DJB22	6.3	45	7	470JNB22	6.3	45	H-01
420BHB22	6.3	45	M-01	470ALB22	6.3	45	T-01	470DKB22	6.3	45	7	470JSB22	6.3	45	H-01
420BMB22	6.3	45	T-01	470BFB22	6.3	45	7	470DMB22	6.3	45	7	470JVB22	6.3	45	H-01
420BTB22	6.3	45	T-01	470BGB22	6.3	45	7	470DTB22	6.3	45	7	470JXB22	6.3	45	H-01
420CB22	6.3	45	11	470BHB22	6.3	45	7	470DUB22	6.3	45	7	470JXB22	6.3	45	H-01
420CDB22	6.3	45	11	470BIB22	6.3	45	7	470DYB22	6.3	45	10	490AB22	6.3	45	7
420CHB22	6.3	45	T-01	470BKB22	6.3	45	7	470DWB22	6.3	45	7	490ACB22, A	6.3	45	7
420DB22	6.3	45	7	470BLB22	6.3	45	7	470DXB22	6.3	45	12	490ADB22, B	6.3	45	7
420EB22	6.3	45	7	470BMB22	6.3	45	7	470DZB22	6.3	45	7	490AEB22	6.3	45	7
420FBB22	6.3	45	7	470BVB22	6.3	45	7	470EAB22	6.3	45	11	490AFB22	6.3	45	7
420GAB22	6.3	45	7	470BSB22	6.3	45	7	470ECB22	6.3	45	11	490AGB22	6.3	45	7
420HAB22	6.3	45	7	470BSB22	6.3	45	7	470EDB22	6.3	45	10	490AHB22, A, B	6.3	45	M-01
420JAB22	6.3	45	7	470BTB22	6.3	45	7	470EHB22	6.3	45	11	490AIB22, A, B	6.3	45	7
420KAB22	6.3	45	7	470BUB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7
420LKB22	6.3	45	7	470BYB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7
420MB22	6.3	45	7	470BYB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7
420NB22	6.3	45	7	470BYB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7
420RB22	6.3	45	7	470BYB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7
420TB22	6.3	45	11	470BYB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7
420VB22	6.3	45	12	470BYB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7
420WB22	6.3	45	11	470BYB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7
420XB22	6.3	45	11	470BYB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7
420YB22	6.3	45	12	470BYB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7
430CB22, A	6.3	45	12	470BYB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7
430DB22	6.3	45	12	470BYB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7
430FB22	6.3	45	12	470BYB22	6.3	45	7	470ELB22	6.3	45	10	490ALB22	6.3	45	7

TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
490BDB22, A, C, 6.3	6.3	45	7	490CZB22	6.3	45	7	510ALB22, A	6.3	45	7	510CGB22	6.3	45	7
490BEB22	6.3	45	7	490DB22	6.3	45	7	510AMB22	6.3	45	7	510CHB22	6.3	45	7
490BFB22	6.3	45	7	490DAB22, A	6.3	45	7	510ANB22	6.3	45	7	510CJB22	6.3	45	12
490BGB22, A	6.3	45	7	490DFB22, A	6.3	45	7	510ARB22	6.3	45	7	510CKB22	6.3	45	7
490BRHB22, A, B	6.3	45	7	490DEB22	6.3	45	7	510ASB22, A	6.3	45	7	510CLB22, A	6.3	45	7
490BJB22	6.3	45	7	490DFB22	6.3	45	7	510ATB22, A	6.3	45	7	510CNB22	6.3	45	7
490BKB22, A, B	6.3	45	7	490DGB22	6.3	45	7	510ALVB22, A	6.3	45	7	510CNB22	6.3	45	7
490BLB22, A	6.3	45	7	490DHB22, A	6.3	45	7	510AWB22, A	6.3	45	7	510CNB22	6.3	45	7
490BMB22, A	6.3	45	7	490DJB22, A	6.3	45	7	510AXB22, A	6.3	45	7	510CRB22	6.3	45	7
490BNB22, A	6.3	70	7	490DKB22	6.3	45	7	510AYB22, A	6.3	45	7	510CSB22	6.3	45	7
490BRB22, A	6.3	45	7	490DLB22, A	6.3	45	7	510BAB22, A	6.3	45	7	510CTB22, A	6.3	45	7
490BSB22	6.3	45	7	490FEB22, A	6.3	45	7	510BDB22, A	6.3	45	7	510CUR22, A	6.3	45	7
490BTB22, A	6.3	45	7	490FB22	6.3	45	7	510BEB22, A	6.3	45	7	510CVB22, A	6.3	45	7
490BVB22	6.3	45	7	490GB22	6.3	45	7	510BFB22, A	6.3	45	7	510CWB22	6.3	45	7
490BWB22	6.3	45	7	490HB22	6.3	45	7	510BGB22, A	6.3	45	7	510CXB22	6.3	45	7
490BWB22	6.3	45	7	490JB22, A	6.3	45	7	510HBB22, A	6.3	45	7	510CYB22	6.3	45	7
490BWB22	6.3	45	7	490KB22, A	6.3	45	7	510IBB22, A	6.3	45	7	510CZB22	6.3	45	7
490BWB22	6.3	45	7	490LB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	490MB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	490NB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	490OB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	490PB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	490RB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	490SB22, A	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	490TB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	490VB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	490WB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	490XB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	490YB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	490ZB22, A	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	500KHB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	510AB22, A	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	510ACB22, A	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	510ADB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	510AEB22, A	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	510AFB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	510AGB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	510AIB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	510AIR22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7
490BWB22	6.3	45	7	510AKB22	6.3	45	7	510IBB22, A	6.3	45	7	510DB22, A	6.3	45	7

TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET	TYPE	HEATER VOLTAGE	G 1 VOLTAGE	SOCKET
510EFB22	6.3	45	11	510HJB22	6.3	45	T-01	510IGB22	6.3	45	11	670ALB22	6.3	45	11
510EGB22	6.3	45	11	510HLB22	6.3	45	7	510VFB22, A	6.3	45	7	670ANB22	6.3	45	10
510ELB22	6.3	45	7	510HMB22	6.3	45	H-01	510WGB22, A	6.3	45	7	670ASB22	6.3	45	10
510ERB22	6.3	45	7	510HRB22	6.3	45	H-01	510YB22, A	6.3	45	7	670ATB22	6.3	45	11
510ESB22	6.3	45	7					510YB22, A	6.3	45	7	670AVB22	6.3	45	H-01
510ETB22	6.3	45	7	510HYB22	6.3	45	7	510ZB22, A	6.3	45	7	670AZB22	6.3	45	10
510EUB22	6.3	45	10	510JB22, A	6.3	45	11	550AB22, A	6.3	45	7	670BEB22	6.3	45	
510EVB22	6.3	45	11	510JCB22	6.3	45	T-01	550CB22, A	6.3	45	7				
510EMB22	6.3	45	11	510JEB22	6.3	45	T-01	550DB22	6.3	45	7				
510ENB22	6.3	45	7	510JFB22	6.3	45		550EB22	6.3	45	7				
				510KBB22, A	6.3	45	7								
510FAB22	6.3	45	11	510KGB22 TC0	6.3	45	H-01	550FB22	6.3	45	7	A67-610 X	6.3	45	E-03
510FBB22, A	6.3	45	7	510KHB22	6.3	45	H-01	560AB22	6.3	45	11	A51-161 X	6.3	45	E-03
510FCB22	6.3	45	10	510KAB22	6.3	45	M-01	560ATB22	6.3	45	11	A67-150 X	6.3	45	E-04
				510KTB22	6.3	45	H-01	560AWB22	6.3	45	11				
510FEB22	6.3	45	11					560AYB22	6.3	45	11				
510FLB22	6.3	45	7	510KFB22	6.3	45	10	560BFB22	6.3	45	10				
510FLMB22	6.3	45		510KZB22	6.3	45	T-01	560BHB22	6.3	45	10				
510FNB22	6.3	45		510LAB22	6.3	45	T-01	560RHB22	6.3	45	11-01				
510FSB22	6.3	45	7	510LCB22	6.3	45	H-01	560RKB22	6.3	45	10				
510FTB22	6.3	45	10	510LDB22	6.3	45	T-01	560RMB22	6.3	45	11				
				510LZB22	6.3	45	T-01	560RUB22	6.3	45					
510FLB22	6.3	45	11	510LBB22, A, B	6.3	45		560SXB22	6.3	45	10				
510FVB22	6.3	45		510MB22, A, B	6.3	45	7	560CB22	6.3	45	10				
510FWB22	6.3	45		510MEB22	6.3	45	H-01	560CXB22	6.3	45	H-01				
510FXB22	6.3	45		510MSB22	6.3	45	H-01	560CJB22	6.3	45	45				
								560CNB22	6.3	45	H-01				
510FYB22	6.3	45		510NB22, A	6.3	45	7	560CTB22	6.3	45					
510FZB22	6.3	35	11	510NAB22	6.3	45	11-01	560CWB22	6.3	45	H-01				
				510NDB22	6.3	45	11	560CNB22	6.3	45	H-01				
510GB22, A	6.3	45	7	510NLB22	6.3	45	H-01	560DB22	6.3	45	7				
510GAB22	6.3	45	11-01	510NJB22	6.3	45	H-01	560FB22	6.3	45	11				
510GHB22	6.3	45													
510GMB22	6.3	45		510NRB22	6.3	45	H-01	560AGB22 TC01	6.3	45	H-01				
510GNB22	6.3	45		510NSB22	6.3	45	H-01	560HB22	6.3	45	10				
				510NUB22	6.3	45	11	560JB22	6.3	45	10				
510GRB22	6.3	45	11	510NVB22	6.3	45		560KB22	6.3	45	7				
510GYB22	6.3	45		510NZB22	6.3	45									
510GZB22, A	6.3	45		510RB22, A	6.3	45	7	560YB22	6.3	45					
510HB22, A, R	6.3	45	7												
510HAB22	6.3	45		510RCB22	6.3	45	11	560ZB22	6.3	45	10				
510HCB22	6.3	45	7	510RJB22	6.3	45	11	570DB22	6.3	45					
510HGB22	6.3	45	11	510SB22, A	6.3	45	7	660AB22	6.3	45					
				510TB22, A	6.3	45	7								
				510UB22, A	6.3	45	7								

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