

# Model 539A

## Code No. 3200-42

# STOP

COPYRIGHT 1953

THE HICKOK ELECTRICAL INSTRUMENT COMPANY, CLEVELAND, OHIO

0A2	....	KP-0502-0	0.0	....	P5	E	★	
0A3	....	JP-0501-0	0.0	0	P5	F	★	
0A4G	....	KS-0581-0	40.0	40	P5	F	★	
0B2	....	KP-0502-0	0.0	....	P5	E	★	
0B3	....	JP-0501-0	0.0	0	P5	F	★	
0C3	....	JP-0501-0	0.0	0	P5	F	★	
0D3	....	JP-0501-0	0.0	0	P5	F	★	
0G3	....	AP-0102-0	0.0	10	P5	F	★	
0Y4	BLST	JX-3502-0	0.0	65	P2	F	★	Short on 1-2
{0Z4	....	JR-0507-0	0.0	84	P2	F	★	Hold button down for 5 seconds
{0Z4	....	JR-0307-0	0.0	84	P2	F	★	Plate No. 1
1A3	1.5	HT-0201-0	0.0	....	P1	B	★	Hold button down for 5 seconds
1A4	2.0	JR-0230-0	2.5	....	....	E	470	Plate No. 2
1A5	1.5	JR-5340-0	10.2	....	P4	E	500	Hold down P1 and Press P4 for reading Cap=G
{1A6	2.0	JR-0250-4	4.0	....	....	E	470	Pent. Sect. Cap=G Hold down P1 and Press P4 for reading
{1A6	2.0	JR-4350-2	14.0	....	P4	E	190	Osc. Sect.
{1A7	1.5	JR-0346-5	0.0	....	....	E	575	Pent. Sect. Cap=G Hold down P1 and Press P4 for reading
{1A7	1.5	JR-5643-0	6.2	....	....	E	275	Osc. Sect. Hold down P1 and Press P4 for reading
1AB5	1.1	JR-6230-0	0.0	....	P4	E	900	
1AC5	1.1	EV-2780-0	4.0	....	....	C	470	Hold down P1 and Press P4 for reading
1AD4	1.1	DV-4120-0	1.0	....	....	C	1260	Hold down P1 and Press P4 for reading
1AD5	1.1	EV-2780-0	1.0	....	....	C	460	Hold down P1 and Press P4 for reading
1AE4	1.1	DX-6210-0	1.7	....	P4	C	975	Hold down P1 and Press P4 for reading
1AF4	1.5	DX-6210-0	2.3	....	P4	C	600	
{1AF5	1.5	DX-6580-0	3.0	....	....	E	380	Pent. Sect. Hold down P1 and Press P4 for reading
{1AF5	1.5	HT-0100-0	0.0	....	P1	C	★	Diode Sect. OK over 1000 on 6000 scale
1AX2	1.5	BS-0000-0	0.0	....	P5	E	★	Cap=P
1B3	1.1	JR-0000-0	0.0	5	P5	F	★	Cap=P
1B4	2.0	JR-0230-0	2.3	....	....	E	500	Cap=G Hold down P1 and Press P4 for reading
{1B5	2.0	JR-5200-0	4.0	....	P4	E	360	Triode Sect.
{1B5	2.0	JR-5400-0	0.0	....	P1	B	★	Diode No. 1
{1B5	2.0	JR-5300-0	0.0	....	P1	B	★	Diode No. 2
{1B7	1.5	JR-0340-5	0.0	....	....	E	630	Pent. Sect. Cap=G Hold down P1 and Press P4 for reading
{1B7	1.5	JR-5640-3	0.0	....	....	C	570	Osc. Sect. Hold down P1 and Press P4 for reading
1C3	1.5	DX-8200-0	9.5	....	P4	E	480	
1C5	1.5	JR-5340-0	10.6	....	P4	E	1000	

# Tube Tester

## 7-1-53

# STOP

NEITHER THIS CHART NOR ANY PART THEREOF MAY BE COPIED WITHOUT PERMISSION OF THE COPYRIGHT OWNER.

- Note 1: The letter, in the column that precedes the Mutual Conductance Reading, indicates the setting for the Micromho Range Switch.
- Note 2: A # in the Bias column indicates Bias should be set at 40 volts and proper button pressed while Bias Dial is rotated until tube strikes.
- Note 3: A star ★ indicates Emission Test only and good tubes should read above mark, Rectifiers and Diodes O.K.
- Note 4: Mutual Conductance Values are minimum. Discard tubes which read lower.
- Note 5: Adjust Bias Volts after P4 is pressed for Mutual Conductance Readings.

12BA6	12.6	JR-3567-2	1.0	....	P4	C	2070	
{12BA7	12.6	EV-7913-6	0.0	....	....	C	1070	Ampl. Sect. Hold down P1 and Press P4 for reading
{12BA7	12.6	EV-2103-7	0.0	....	P4	B	5000	Osc. Sect.
12BD6	12.6	JR-3567-2	3.0	....	P4	C	1260	
{12BE6	12.6	JR-7562-3	0.0	....	....	C	940	Ampl. Sect. Hold down P1 and Press P4 for reading
{12BE6	12.6	JR-3602-7	2.0	....	P4	B	4500	Osc. Sect.
{12BF6	12.6	JR-3702-0	3.0	....	P4	E	1200	Triode Sect.
{12BF6	12.6	JR-3602-0	0.0	....	P1	B	★	Diode No. 1
{12BF6	12.6	JR-3502-0	0.0	....	P1	B	★	Diode No. 2
{12BH7	12.6	EV-7608-2	6.0	....	P4	D	1950	Triode No. 1
{12BH7	12.6	EV-2103-7	6.0	....	P4	D	1950	Triode No. 2
{12BK6	12.6	JR-3702-5	0.8	....	P4	C	790	Triode Sect.
{12BK6	12.6	JR-0602-5	0.0	....	P1	E	★	Diode No. 1
{12BK6	12.6	JR-0502-7	0.0	....	P1	E	★	Diode No. 2
{12BN6	12.6	JR-2753-6	1.5	....	....	E	440	Limiter Grid. Hold down P1 and Press P4 for reading
{12BN6	12.6	JR-6753-2	2.0	....	....	C	570	Quadrature Grid. Hold down P1 and Press P4 for reading
{12BT6	12.6	JR-3702-0	2.1	....	P4	C	820	Triode Sect.
{12BT6	12.6	JR-3602-0	0.0	....	P1	E	★	Diode No. 1
{12BT6	12.6	JR-3502-0	0.0	....	P1	E	★	Diode No. 2
{12BU6	12.6	JR-3702-0	6.0	....	P4	E	950	Triode Sect.
{12BU6	12.6	JR-3602-0	0.0	....	P1	E	★	Diode No. 1
{12BU6	12.6	JR-3502-0	0.0	....	P1	E	★	Diode No. 2
12BY7	12.6	EV-2781-3	1.0	....	P4	B	5700	

This Document Provided Free  
At  
[www.StevenJohnson.com](http://www.StevenJohnson.com)  
NOT FOR RESALE

1C5	1.5	JR-5340-0	10.6	....	P4	E	1000		12BY7	12.6	EV-2781-3	1.0	....	P4	B	5700	
{1C6	2.0	JR-0253-4	2.0	....	....	E	630	Ampl. Sect. Cap=G Hold down P1 and Press P4 for reading	{12BZ7	12.6	EV-7608-0	1.5	....	P4	C	2200	Triode No. 1
{1C6	2.0	JR-4352-0	5.0	....	....	E	250	Osc. Sect. Hold down P1 and Press P4 for reading	{12BZ7	12.6	EV-2103-0	1.5	....	P4	C	2200	Triode No. 2
{1C7	2.0	JR-0346-5	2.0	....	....	E	630	Pent. Sect. Cap=G Hold down P1 and Press P4 for reading	{12C8	12.6	JR-0367-2	4.0	....	P4	C	725	Pent. Sect. Cap=G
{1C7	2.0	JR-5643-0	5.0	....	....	E	250	Osc. Sect. Hold down P1 and Press P4 for reading	{12C8	12.6	JR-0507-3	0.0	....	P1	B	★	Diode No. 1
1D5	2.0	JR-0340-0	0.0	....	....	E	475	Cap=G Hold down P1 and Press P4 for reading	{12C8	12.6	JR-0407-3	0.0	....	P1	B	★	Diode No. 2
{1D7	2.0	JR-0346-5	4.0	....	....	E	470	Pent. Sect. Cap=G Hold down P1 and Press P4 for reading	{12F5	12.6	JR-0407-0	1.5	....	P4	C	950	Cap=G
{1D7	2.0	JR-5643-0	14.0	....	P4	E	190	Osc. Sect.	{12H6	12.6	JR-0507-2	0.0	....	P1	E	★	Diode No. 1
{1D8	1.5	JR-5346-0	13.0	....	P4	E	580	Pent. Sect.	{12H6	12.6	JR-0304-2	0.0	....	P1	E	★	Diode No. 2
{1D8	1.5	JR-5643-0	1.1	....	P4	E	360	Triode Sect. Cap=G	{12J5	12.6	JR-5307-2	3.5	....	P4	D	1640	
{1D8	1.5	JR-5743-0	0.0	....	P1	B	★	Diode Sect.	{12J7	12.6	JR-0347-5	4.2	....	P4	E	770	Cap=G
1E3	1.1	EV-1800-0	5.0	....	P4	C	2200		{12K7	12.6	JR-0347-5	2.8	....	P4	E	910	Cap=G
1E4	1.5	JR-5300-0	0.0	....	P4	E	825		{12K8	12.6	JR-5347-6	1.1	....	P4	C	630	Heptode Sect. Cap=G
1E5	2.0	JR-0340-0	1.5	....	....	E	500	Cap=G Hold down P1 and Press P4 for reading	{12K8	12.6	JR-5647-3	1.1	....	P4	C	1500	Triode Sect.
{1E7	2.0	JR-5673-4	2.3	....	P4	C	900	Pent. No. 1	{12L8	12.6	JW-2751-3	0.9	....	P4	C	1350	Pent. No. 1
{1E7	2.0	JR-4376-5	2.3	....	P4	C	900	Pent. No. 2	{12L8	12.6	JW-3451-2	0.9	....	P4	C	1350	Pent. No. 2
1F4	2.0	JR-3240-0	2.5	....	P4	E	880		{12Q7	12.6	JR-0307-2	2.3	....	P4	E	500	Triode Sect. Cap=G
1F5	2.0	JR-5340-0	1.3	....	P4	E	880		{12Q7	12.6	JR-0507-3	0.0	....	P1	B	★	Diode No. 1
{1F6	2.0	JR-0230-0	0.6	....	....	E	410	Pent. Sect. Cap=G Hold down P1 and Press P4 for reading	{12Q7	12.6	JR-0407-3	0.0	....	P1	B	★	Diode No. 2
{1F6	2.0	JR-0530-0	0.0	....	P1	B	★	Diode No. 1	{12S8	12.6	JX-0601-0	0.8	....	P4	E	570	Triode Sect. Cap=G
{1F6	2.0	JR-0430-0	0.0	....	P1	B	★	Diode No. 2	{12S8	12.6	JX-0305-0	0.0	....	P1	B	★	Diode No. 1
{1F7	2.0	JR-0360-0	0.6	....	....	E	410	Pent. Sect. Cap=G Hold down P1 and Press P4 for reading	{12S8	12.6	JX-0401-0	0.0	....	P1	B	★	Diode No. 2
{1F7	2.0	JR-0463-0	0.0	....	P1	B	★	Diode No. 1	{12S8	12.6	JX-0201-0	0.0	....	P1	B	★	Diode No. 3
{1F7	2.0	JR-0563-0	0.0	....	P1	B	★	Diode No. 2	{12SA7	12.6	JR-7346-5	0.0	....	....	C	760	Ampl. Sect. Hold down P1 and Press P4 for reading
1G4	1.5	JR-5300-0	14.5	....	P4	E	520		{12SA7	12.6	JR-5406-7	0.0	....	P4	B	2840	Osc. Sect.
1G5	2.0	JR-5340-0	6.2	....	P4	E	950		{12SC7	12.6	JX-4506-1	0.9	....	P4	E	830	Triode No. 1
{1G6	1.5	JR-5600-0	2.1	....	P4	E	420	Triode No. 1	{12SC7	12.6	JX-3106-5	0.9	....	P4	E	830	Triode No. 2
{1G6	1.5	JR-4300-0	2.1	....	P4	E	420	Triode No. 2	{12SF5	12.6	JX-3501-2	0.9	....	P4	C	950	
1H4	2.0	JR-5300-0	9.1	....	P4	E	570		{12SF7	12.6	JX-1643-2	0.9	....	P4	C	1260	Pent. Sect.
{1H5	1.5	JR-0300-0	2.1	....	P4	E	175	Triode Sect. Cap=G	{12SF7	12.6	JX-0503-6	0.0	....	P1	B	★	Diode Sect.
{1H5	1.5	JR-0500-0	0.0	....	P1	B	★	Diode Sect.	{12SG7	12.6	JR-4765-2	0.8	....	P4	B	2500	
{1H6	2.0	JR-6300-0	4.0	....	P4	E	365	Triode Sect.	{12SH7	12.6	JR-4765-2	0.6	....	P4	B	2500	
{1H6	2.0	JR-6500-0	0.0	....	P1	E	★	Diode No. 1	{12SJ7	12.6	JR-4765-3	3.3	....	P4	C	1040	
{1H6	2.0	JR-6400-0	0.0	....	P1	E	★	Diode No. 2	{12SK7	12.6	JR-4765-3	1.7	....	P4	C	1260	
1J5	2.0	JR-5340-0	9.1	....	P4	E	600		{12SL7	12.6	JX-4506-1	0.4	....	P4	C	1000	Triode No. 1
{1J6	2.0	JR-5600-0	1.9	....	P4	E	630	Triode No. 1	{12SL7	12.6	JX-2103-5	0.4	....	P4	C	1000	Triode No. 2
{1J6	2.0	JR-4300-0	1.9	....	P4	E	630	Triode No. 2	{12SN7	12.6	JX-4506-1	3.7	....	P4	C	1640	Triode No. 1
1L4	1.5	HT-6210-0	2.8	....	P4	E	650		{12SN7	12.6	JX-2103-5	3.7	....	P4	C	1640	Triode No. 2
{1L6	1.5	DX-6251-8	1.5	....	....	E	500	Pent. Sect. Hold down P1 and Press P4 for reading	{12SQ7	12.6	JX-1603-2	0.9	....	P4	E	700	Triode Sect.
{1L6	1.5	DX-8152-6	0.5	....	P4	E	410	Osc. Sect. Hold down P1 and Press P4 for reading	{12SQ7	12.6	JX-0503-6	0.0	....	P1	B	★	Diode No. 1
1LA4	1.5	JR-6230-0	10.2	....	P4	E	500		{12SQ7	12.6	JX-0403-6	0.0	....	P1	B	★	Diode No. 2
{1LA6	1.5	JR-6253-4	0.0	....	....	E	630	Pent. Sect. Hold down P1 and Press P4 for reading	{12SR7	12.6	JX-1603-2	4.5	....	P4	C	1200	Triode Sect.
{1LA6	1.5	JR-4352-6	2.0	....	P4	E	350	Osc. Sect. Hold down P1 and Press P4 for reading	{12SR7	12.6	JX-0503-6	0.0	....	P1	B	★	Diode No. 1
1LB4	1.5	JR-6230-0	13.5	....	P4	E	575		{12SR7	12.6	JX-0403-6	0.0	....	P1	B	★	Diode No. 2
1LC5	1.5	JR-6234-0	0.0	....	....	E	475	Hold down P1 and Press P4 for reading	{12SW7	12.6	JX-1603-2	4.5	....	P4	C	1200	Triode Sect.
{1LC6	1.5	JR-6253-4	1.0	....	....	E	630	Pent. Sect. Hold down P1 and Press P4 for reading	{12SW7	12.6	JX-0503-6	0.0	....	P1	B	★	Diode No. 1
{1LC6	1.5	JR-4352-6	5.0	....	....	E	350	Osc. Sect. Hold down P1 and Press P4 for reading	{12SW7	12.6	JX-0403-6	0.0	....	P1	B	★	Diode No. 2
{1LD5	1.5	JR-6230-0	0.0	....	....	E	490	Pent. Sect. Hold down P1 and Press P4 for reading	{12SX7	12.6	JX-4506-1	4.5	....	P4	C	1640	Triode No. 1
{1LD5	1.5	JR-0400-0	0.0	....	P1	B	★	Diode Sect.	{12SX7	12.6	JX-2103-5	4.5	....	P4	C	1640	Triode No. 2
1LE3	1.5	JR-6205-0	0.0	....	P4	E	820		{12SY7	12.6	JR-7346-5	0.0	....	....	C	760	Ampl. Sect. Hold down P1 and Press P4 for reading
1LF3	1.5	JR-6205-0	4.3	....	P4	E	760		{12SY7	12.6	JR-5406-7	0.0	....	P4	B	2840	Osc. Sect.
1LG5	1.5	JR-6234-0	4.2	....	P4	E	660		12V6	12.6	JR-5347-0	3.3	....	P4	D	2600	
									{12X4	12.6	JR-0607-3	0.0	55	P3	F	★	Plate No. 1
									{12X4	12.6	JR-0307-6	0.0	55	P3	F	★	Plate No. 2
									12Z3	12.6	JR-0203-0	0.0	68	P3	F	★	
									14A4	12.6	JR-6207-0	3.7	....	P4	D	1650	
									14A5	12.6	JR-6237-0	1.3	....	P4	D	1900	
									14A7	12.6	JR-6237-4	3.0	....	P4	C	1260	

{1LH4	1.5	JR-6200-0	2.1	....	P4	E	175	Triode Sect.	14A7	12.6	JR-6237-4	3.0	....	P4	C	1260	
{1LH4	1.5	JR-6400-0	0.0	....	P1	B	★	Diode Sect.	{14AF7	12.6	JR-5607-0	4.2	....	P4	D	1640	Triode No. 1
1LN5	1.5	JR-6234-0	1.1	....	P4	E	480		{14AF7	12.6	JR-4302-0	4.2	....	P4	D	1640	Triode No. 2
1N5	1.5	JR-0340-0	1.1	....	P4	E	480	Cap=G	{14B6	12.6	JR-3207-0	1.3	....	P4	C	700	Triode Sect.
{1N6	1.5	JR-5340-0	11.8	....	P4	E	500	Pent. Sect.	{14B6	12.6	JR-0607-2	0.0	....	P1	B	★	Diode No. 1
{1N6	1.5	JR-0600-0	0.0	....	P1	B	★	Diode Sect.	{14B6	12.6	JR-0507-2	0.0	....	P1	B	★	Diode No. 2
1P5	1.5	JR-0340-0	4.0	....	P4	C	500	Cap=G	{14B8	12.6	JR-6257-4	0.0	....	....	E	820	Ampl. Sect. Hold down P1 and Press P4 for reading
1Q5	1.5	JR-5340-0	7.5	....	P4	C	1320		{14B8	12.6	JR-4357-6	0.0	....	....	E	725	Osc. Sect. Hold down P1 and Press P4 for reading
{1Q6	1.1	EV-2780-0	2.0	....	....	C	315	Pent. Sect. Hold down P1 and Press P4 for reading	14C5	12.6	JR-6237-0	5.0	....	P4	B	2600	
{1Q6	1.1	EV-0600-0	0.0	....	P1	C	★	Diode Sect. OK above 500 on 3000 scale	14C7	12.6	JR-6237-4	1.1	....	P4	C	1430	
1R4	1.5	JR-0407-0	0.0	....	P1	B	★	Diode	{14E6	12.6	JR-3207-0	4.0	....	P4	C	1200	Triode Sect.
{1R5	1.5	DX-6218-0	3.0	....	....	E	380	No. 3 Grid Hold down P1 and Press P4 for reading	{14E6	12.6	JR-0607-2	0.0	....	P1	B	★	Diode No. 1
{1R5	1.5	DX-8106-2	13.0	....	P4	E	880	Osc. Sect.	{14E6	12.6	JR-0507-2	0.0	....	P1	B	★	Diode No. 2
1S4	1.5	DX-1280-0	7.5	....	....	E	950	Hold down P1 and Press P4 for reading	{14E7	12.6	JR-6257-0	3.5	....	P4	C	820	Pent. Sect.
{1S5	1.5	DX-6580-0	1.1	....	....	E	390	Pent. Sect. Hold down P1 and Press P4 for reading	{14E7	12.6	JR-0407-2	0.0	....	P1	B	★	Diode No. 1
{1S5	1.5	DX-0180-0	0.0	....	P1	B	★	Diode Sect.	{14E7	12.6	JR-0307-2	0.0	....	P1	B	★	Diode No. 2
{1S6	1.1	EV-3180-0	1.0	....	....	C	380	Pent. Sect. Hold down P1 and Press P4 for reading	{14F7	12.6	JR-5607-3	0.9	....	P4	E	820	Triode No. 1
{1S6	1.1	EV-0600-0	0.0	....	P1	C	★	Diode Sect. OK above 500 on 3000 scale	{14F7	12.6	JR-4302-6	0.9	....	P4	E	820	Triode No. 2
1SA6	1.5	JR-4763-0	0.0	....	....	E	525	Hold down P1 and Press P4 for reading	{14F8	12.6	HS-8605-0	1.1	....	P4	B	3150	Triode No. 1
{1SB6	1.5	JR-7340-0	0.1	....	....	E	410	Pent. Sect. Hold down P1 and Press P4 for reading	{14F8	12.6	HS-1304-0	1.1	....	P4	B	3150	Triode No. 2
{1SB6	1.5	JR-7500-0	0.0	....	P1	B	★	Diode Sect.	14H7	12.6	JR-6237-4	1.5	....	P4	B	2400	
1T4	1.5	DX-6210-0	0.0	....	....	E	490	Hold down P1 and Press P4 for reading	{14J7	12.6	JR-6257-4	1.4	....	P4	C	500	Heptode Sect.
1T5	1.5	JR-5340-0	11.0	....	P4	E	725		{14J7	12.6	JR-4357-6	3.5	....	P4	C	630	Triode Sect.
{1T6	1.1	EV-3186-0	1.0	....	....	C	380	Pent. Sect. Hold down P1 and Press P4 for reading	{14N7	12.6	JR-5607-3	4.2	....	P4	C	1640	Triode No. 1
{1T6	1.1	EV-0600-0	0.0	....	P1	C	★	Diode Sect. OK above 500 on 3000 scale	{14N7	12.6	JR-4302-6	4.2	....	P4	C	1640	Triode No. 2
1U4	1.5	DX-6210-0	1.7	....	P4	E	570		{14O7	12.6	JR-6237-4	0.0	....	....	C	630	Ampl. Sect. Hold down P1 and Press P4 for reading
{1U5	1.5	DX-6210-0	6.9	....	P4	E	330	Pent. Sect.	{14O7	12.6	JR-4307-6	0.0	....	P4	B	3460	Osc. Sect.
{1U5	1.5	DX-6810-0	0.0	....	P1	B	★	Diode Sect.	{14R7	12.6	JR-6257-0	1.5	....	P4	C	1900	Pent. Sect.
{1U6	1.5	DX-6258-1	2.3	....	....	C	630	Ampl. Sect. Hold down P1 and Press P4 for reading	{14R7	12.6	JR-0407-2	0.0	....	P1	B	★	Diode No. 1
{1U6	1.5	DX-8156-2	1.0	....	....	C	315	Osc. Sect. Hold down P1 and Press P4 for reading	{14R7	12.6	JR-0307-2	0.0	....	P1	B	★	Diode No. 2
1V	6.3	JR-0203-0	0.0	70	P3	F	★		{14S7	12.6	JR-6257-4	3.0	....	P4	C	950	Heptode Sect.
1V2	0.6	EV-0900-0	0.0	....	P5	E	★	Diode	{14S7	12.6	JR-4357-6	2.0	....	P4	C	950	Triode Sect.
1V5	1.1	EV-2780-0	5.5	....	....	C	470	Hold down P1 and Press P4 for reading	14V7	12.6	JR-6237-4	0.2	....	P4	B	2900	
1W4	1.5	DX-6210-0	13.5	....	P4	E	580		14W7	12.6	JR-6237-5	0.2	....	P4	B	2900	
1W5	1.1	EV-2780-0	1.0	....	....	C	460	Hold down P1 and Press P4 for reading	{14X7	12.6	JR-3204-0	1.1	....	P4	C	630	Triode Sect.
1X2	1.5	BS-0000-0	0.0	0	P5	F	★	Cap=P	{14X7	12.6	JR-0504-0	0.0	....	P1	B	★	Diode No. 1
1Z2	1.5	DS-0000-0	0.0	15	P5	F	★	Cap=P	{14X7	12.6	JR-0607-0	0.0	....	P1	B	★	Diode No. 2
2A3	2.5	JR-3200-0	24.0	....	P4	D	1900		{14Y4	12.6	JR-0607-0	0.0	55	P3	F	★	Plate No. 1
2A4	2.5	JR-5300-0	#	70	P3	F	★	Strikes at about 35 volts	{14Y4	12.6	JR-0307-0	0.0	55	P3	F	★	Plate No. 2
2A5	2.5	JR-4235-0	1.7	....	P4	C	1640		14Z3	12.6	JR-0203-0	0.0	68	P3	F	★	
{2A6	2.5	JR-0205-0	1.1	....	P4	C	700	Triode Sect. Cap=G	15	2.0	JR-0234-0	0.0	....	....	E	440	Cap=G Hold down P1 and Press P4 for reading
{2A6	2.5	JR-0405-0	0.0	....	P1	B	★	Diode No. 1	15A6	12.6	EV-2713-6	1.0	....	P4	B	6300	
{2A6	2.5	JR-0305-0	0.0	....	P1	B	★	Diode No. 2	{19	2.0	JR-4500-0	4.8	....	P4	E	630	Triode No. 1
{2A7	2.5	JR-0236-5	1.0	....	....	C	1000	Pent. Sect. Cap=G Held Down P1 and Press P4 for reading	{19	2.0	JR-3200-0	4.8	....	P4	E	630	Triode No. 2
{2A7	2.5	JR-5436-2	3.0	....	....	E	315	Osc. Sect. Hold down P1 and Press P4 for reading.	19BG6	20.0	JR-5073-0	4.5	....	P4	B	3800	Cap=P
2B4	2.5	JR-3204-0	#	70	P5	F	★	Strikes at about 24 volts	{19C8	20.0	EV-8907-0	1.7	....	P4	C	790	Triode Sect.
2B6	2.5	JR-4236-0	7.0	....	P4	E	950		{19C8	20.0	EV-8607-0	0.0	0	P1	F	★	Diode No. 1
{2B7	2.5	JR-0236-0	5.6	....	P4	E	630	Pent. Sect. Cap=G	{19C8	20.0	EV-8203-0	0.0	0	P1	F	★	Diode No. 2
{2B7	2.5	JR-0536-0	0.0	....	P1	B	★	Diode No. 1	{19C8	20.0	EV-8107-0	0.0	0	P1	F	★	Diode No. 3
{2B7	2.5	JR-0436-0	0.0	....	P1	B	★	Diode No. 2	{19J6	20.0	JR-5207-6	2.8	....	P4	B	3350	Triode No. 1
2B22	6.3	JR-0007-0	0.0	73	P3	F	★	Top Washer=P	{19J6	20.0	JR-6307-5	2.8	....	P4	B	3350	Triode No. 2
2B23	6.3	JR-0307-0	0.0	75	P2	F	★		{19T8	20.0	EV-8907-6	1.9	....	P4	C	750	Triode Sect.
2C4	2.5	HT-1508-0	#	74	P5	F	★	Strikes at about 25 volts	{19T8	20.0	EV-0607-1	0.0	....	P1	E	★	Diode No. 1
									{19T8	20.0	EV-0203-7	0.0	....	P1	E	★	Diode No. 2
									{19T8	20.0	EV-0107-8	0.0	....	P1	E	★	Diode No. 3

2C21	6.3	JR-4506-0	8.7	....	P4	E	870	Triode No. 1	19V8	20.0	EV-6103-8	2.2	....	P4	C	760	Triode Sect.
2C21	6.3	JR-0302-0	8.7	....	P4	E	870	Triode No. 2 Cap=G	19V8	20.0	EV-0903-2	0	....	P1	B	★	Diode No. 1
2C22	6.3	JR-0007-0	3.7	....	P4	D	1900	Upper Cap=G	19V8	20.0	EV-0708-6	0	0	P1	F	★	Diode No. 2
2C26	6.3	JR-0007-0	2.5	....	P4	E	950	Lower Cap=P	19V8	20.0	EV-0203-8	0	0	P1	F	★	Diode No. 3
2C40	6.3	JR-0007-0	3.3	....	P4	C	1750	Upper Cap=P	19X3	20.0	EV-0903-0	0.0	77	P3	F	★	
2C45	7.5	JR-3200-0	8.0	....	P4	E	1380	Lower Cap=G	19X8	20.0	EV-7986-1	1.2	....	P4	B	2900	Pent. Sect.
2C50	12.6	JX-2103-0	11.8	....	P4	E	1125	Cap=P Ring=G	19X8	20.0	EV-2386-1	2.0	....	P4	B	3650	Triode Sect.
2C50	12.6	JX-4506-0	11.8	....	P4	E	1125		19Y3	20.0	EV-0903-0	0.0	77	P3	F	★	
2C51	6.3	KR-7608-0	2.0	....	P4	B	3150		RK20A	7.5	JR-3024-0	0.0	....	P4	D	1600	Cap=P
2C51	6.3	KR-3402-0	2.0	....	P4	B	3150		21A6	20.0	EV-2083-9	13.0	....	P4	B	3800	Cap=P
2C52	12.6	JX-4506-1	0.8	....	P4	C	950		22	3.0	JR-0230-0	3.7	....	....	E	315	Cap=G Hold down P1 and Press P4 for reading
2C52	12.6	JX-2103-5	0.8	....	P4	C	950		24A	2.5	JR-0234-0	0.9	....	P4	C	630	Cap=G
2C53	6.3	JR-5007-0	0.0	....	P4	C	250	Cap=P	VT25A	7.5	JR-3200-0	5.6	....	P4	E	1260	
2D21	6.3	JR-3602-5	#	74	P5	F	★	Strikes at about 2 volts	25A6	25.0	JR-5347-0	11.4	....	P4	C	1450	
2E5	2.5	JR-5403-0	0.0	....	P4	F	.....	Eye Open	25A7	25.0	JR-5347-6	13.0	....	P4	C	1130	Pent. Sect.
2E5	2.5	JR-5423-0	0.0	....	P4	F	.....	Eye Closed	25A7	25.0	JR-0602-3	0.0	72	P3	F	★	Rect. Sect.
2E22	6.3	JR-3024-0	0.0	....	P4	D	2500	Cap=P	25AC5	25.0	JR-5307-0	0.9	....	P4	C	950	
2E24	6.3	JR-5030-0	7.2	....	P4	D	2000	Cap=P. Short on 3	25AV5	25.0	JR-2573-0	14.0	....	P4	D	2460	
2E25	6.3	JR-5040-7	0.0	....	P4	D	1900	Cap=P	25B5	25.0	JR-4235-0	3.7	....	P4	C	1570	
2E26	6.3	JR-5032-7	8.0	....	P4	D	2200	Cap=P. Short on 3	25B6	25.0	JR-5347-0	17.0	....	P4	D	2500	
2E30	6.3	JR-3560-2	3.0	....	P4	D	1900		25B8	25.0	JR-0342-0	3.5	....	P4	E	1260	Pent. Sect. Cap-G
2E31	1.1	DV-4120-0	3.0	....	....	C	315	Hold down P1 and Press P4 for reading	25B8	25.0	JR-7506-0	0.9	....	P4	E	950	Triode Sect.
2E32	1.1	DV-4120-0	3.0	....	....	C	315	Hold down P1 and Press P4 for reading	25BK5	25.0	EV-3186-0	0.0	....	P4	B	4700	
2E35	1.1	DV-4120-0	4.0	....	....	C	315	Hold down P1 and Press P4 for reading	25BQ6	25.0	JR-5047-0	14.0	....	P4	D	2840	Cap=P
2E36	1.1	DV-4120-0	4.0	....	....	C	315	Hold down P1 and Press P4 for reading	25C6	25.0	JR-5347-0	11.8	....	P4	D	3150	
2E41	1.1	EW-5120-0	5.0	....	....	C	250	Pent. Sect. Hold down P1 and Press P4 for reading	25D8	25.0	JR-0342-0	3.0	....	P4	C	1200	Pent. Sect. Cap-G
2E41	1.1	EW-0300-0	0.0	....	P1	C	★	Diode Sect. OK above 300 on 3000 Scale	25D8	25.0	JR-5602-0	1.1	....	P4	C	700	Triode Sect.
2E42	1.1	EW-5120-0	5.0	....	....	C	250	Pent. Sect. Hold down P1 and Press P4 for reading	25D8	25.0	JR-5702-0	0.0	....	P1	B	★	Diode Sect.
2E42	1.1	EW-0300-0	0.0	....	P1	C	★	Diode Sect. OK above 300 on 3000 scale	25L6	25.0	JR-5347-2	1.5	....	....	B	5650	Hold down P1 and Press P4 for reading
2V3	2.5	JR-0000-0	0.0	0	P5	F	★	Cap=P	25N6	25.0	JR-5347-0	2.5	....	P4	C	1570	
2W3	2.5	HR-0400-0	0.0	55	P3	F	★		25W4	25.0	JX-0503-0	0.0	75	P3	F	★	
2X2A	2.5	JR-0000-0	0.0	20	P5	F	★	Cap=P	25W6	25.0	JR-5347-0	1.5	....	....	B	5650	Hold down P1 and Press P4 for reading
2Z2	2.5	JR-0200-0	0.0	40	P3	F	★		25Y5	25.0	JR-0504-0	0.0	60	P3	F	★	Plate No. 1
3A4	2.5	DX-8210-0	10.0	....	P4	E	1260		25Y5	25.0	JR-0203-0	0.0	60	P3	F	★	Plate No. 2
3A5	3.0	DX-5600-0	7.2	....	P4	E	1260	Triode No. 1	25Z5	25.0	JR-0504-0	0.0	75	P3	F	★	Plate No. 1
3A5	3.0	HT-1200-0	7.2	....	P4	E	1260	Triode No. 2	25Z5	25.0	JR-0203-0	0.0	75	P3	F	★	Plate No. 2
3A8	2.5	JR-0340-0	1.3	....	P4	E	470	Pent. Sect. Cap=G. Short on 3	25Z6	25.0	JR-0507-2	0.0	75	P3	F	★	Plate No. 1
3A8	2.5	JR-5600-0	1.3	....	P4	E	315	Triode Sect. Short on 3	25Z6	25.0	JR-0304-2	0.0	75	P3	F	★	Plate No. 2
3A8	2.5	JR-0740-0	0.0	....	P1	B	★	Diode Sect. Short on 3	26	1.5	JR-3200-0	10.2	....	P4	E	725	
3B4	2.5	JV-1730-0	15.0	....	P4	E	1070	Short on 3	26A6	25.0	JR-3567-2	1.2	....	P4	C	2500	
3B5	2.5	JR-5340-0	6.2	....	....	E	950	Hold down P1 and Press P4 for reading	26A7	25.0	JW-2751-3	3.0	....	....	C	3450	Pent. No. 1 Hold down P1 and Press P4 for reading.
3B7	2.5	BY-6700-0	6.2	....	P4	C	1900	Triode No. 1	26A7	25.0	JW-3451-2	3.0	....	....	C	3450	Pent. No. 2 Hold down P1 and Press P4 for reading.
3B7	2.5	JR-3200-0	6.2	....	P4	C	1900	Triode No. 2	26BK6	25.0	JR-3702-5	0.8	....	P4	C	790	Triode Sect.
3B24	2.5	JR-0000-0	0.0	33	P5	F	★	Cap=P 1st Half of Fil. Short on 3	26BK6	25.0	JR-0602-5	0.0	....	P1	E	★	Diode No. 1
3B24	2.5	CR-0000-0	0.0	33	P5	F	★	Cap=P 2nd Half of Fil.	26BK6	25.0	JR-0502-7	0.0	....	P1	E	★	Diode No. 2
3B29	3.0	JR-0000-0	0.0	52	P5	F	★	Cap=P	26C6	25.0	JR-3702-0	4.0	....	P4	C	1200	Triode Sect.
3C4	2.5	DX-6210-0	11.0	....	P4	C	850		26C6	25.0	JR-3602-0	0.0	....	P1	B	★	Diode No. 1
3C6	2.5	BY-5600-0	0.9	....	P4	E	700	Triode No. 1	26C6	25.0	JR-3502-0	0.0	....	P1	B	★	Diode No. 2
3C6	2.5	JR-4300-0	0.9	....	P4	E	700	Triode No. 2	26D6	25.0	JR-7562-3	0.0	....	....	C	940	Ampl. Sect. Hold down P1 and Press P4 for reading
3D6	2.5	JR-6230-0	8.0	....	P4	E	1320		26D6	25.0	JR-3602-7	2.0	....	P4	B	4500	Osc. Sect.
3E5	2.5	DX-6215-0	5.0	....	....	E	750	Short on 3 Hold down P1 and Press P4 for reading	26Z5W	25.0	EV-0608-0	0.0	65	P3	F	★	Plate No. 1
3E6	3.0	JR-6234-0	4.8	....	P4	C	1260		26Z5W	25.0	EV-0103-0	0.0	65	P3	F	★	Plate No. 2
3LE4	2.5	JR-6237-4	15.0	....	P4	E	700	Short on 3	27	2.5	JR-3204-0	11.0	....	P4	C	630	
3LF4	2.5	JR-6230-0	5.6	....	P4	E	1200		28D7	25.0	JR-7536-2	2.0	....	....	D	2150	Pent. No. 1 Hold down P1 and Press P4 for reading.
									28D7	25.0	JR-2436-7	2.0	....	....	D	2150	Pent. No. 2 Hold down P1 and Press P4 for reading.
									30	2.0	JR-3200-0	10.2	....	P4	E	570	
									31	2.0	JR-3200-0	11.4	....	P4	E	580	
									32	2.0	JR-0230-0	3.0	....	....	E	400	Cap=G Hold down P1 and Press P4 for reading

3Q4	3.0 HT-1280-0	4.0	....	P4	E	1350		{32L7	35.0	JR-5347-0	10.0	....	P4	C	3000	Ampl. Sect.
3Q5	2.5 JR-5340-0	8.3	....	P4	E	1130		{32L7	35.0	JR-0602-3	0.0	75	P3	F	★	Rect. Sect.
3S4	2.5 HT-1280-0	6.5	....	....	E	950	Hold down P1 and Press P4 for reading	33	2.0	JR-3240-0	7.2	....	P4	E	900	
3V4	3.0 DX-6210-0	6.0	....	P4	E	1260		{RK33	6.3	JR-4506-0	8.7	....	P4	E	870	Triode No. 1
{4A6	3.0 JR-5600-0	7.2	....	P4	C	630	Triode No. 1	{RK33	6.3	JR-0302-0	8.7	....	P4	E	870	Triode No. 2 Cap-G
{4A6	3.0 BY-4300-0	7.2	....	P4	C	630	Triode No. 2	34	2.0	JR-0230-0	2.1	....	....	E	380	Cap-G Hold down P1 and Press P4 for reading
5A6	5.0 EV-7160-3	12.0	....	P4	D	1900		35	2.5	JR-0234-0	4.0	....	P4	E	650	Cap=G
{5AX4	5.0 HR-0600-0	0.0	40	P3	F	★	Plate No. 1	35A5	35.0	JR-6237-0	11.5	....	P4	B	3700	
{5AX4	5.0 HR-0400-0	0.0	40	P3	F	★	Plate No. 2	35B5	35.0	JR-3562-0	12.5	....	P4	C	2830	
{5AZ4	5.0 JS-0400-6	0.0	40	P3	F	★	Plate No. 1	35C5	35.0	JR-2763-0	11.0	....	P4	C	2830	
{5AZ4	5.0 JS-0600-4	0.0	40	P3	F	★	Plate No. 2	35L6	35.0	JR-5347-0	6.5	....	P4	B	3650	
{5R4	5.0 HR-0600-0	0.0	60	P3	F	★	Plate No. 1	{35W4	BLST	JR-0367-0	....	....	....	....	....	Shorton 1-2-3-4-5
{5R4	5.0 HR-0400-0	0.0	60	P3	F	★	Plate No. 2	{35W4	35.0	JR-0507-0	0.0	77	P3	F	★	Rect. Sect.
{5T4	5.0 HR-0600-0	0.0	70	P3	F	★	Plate No. 1	{35Y4	BLST	JR-0247-0	....	....	....	....	....	Shorton 1-2-3-4-5
{5T4	5.0 HR-0400-0	0.0	70	P3	F	★	Plate No. 2	{35Y4	35.0	JR-0207-0	0.0	75	P3	F	★	Rect. Sect.
{5U4	5.0 HR-0600-0	0.0	55	P3	F	★	Plate No. 1	35Z3	35.0	JR-0207-0	0.0	75	P3	F	★	
{5U4	5.0 HR-0400-0	0.0	55	P3	F	★	Plate No. 2	35Z4	35.0	JR-0507-0	0.0	78	P3	F	★	
{5V4	5.0 HR-0600-0	0.0	75	P3	F	★	Plate No. 1	{35Z5	BLST	JR-0537-0	....	....	....	....	....	Shorton 1-2-3-4-5
{5V4	5.0 HR-0400-0	0.0	75	P3	F	★	Plate No. 2	{35Z5	35.0	JR-0507-0	0.0	77	P3	F	★	Rect. Sect.
{5W4	5.0 HR-0600-0	0.0	40	P3	F	★	Plate No. 1	{35Z6	35.0	JR-0507-0	0.0	77	P3	F	★	Plate No. 1
{5W4	5.0 HR-0400-0	0.0	40	P3	F	★	Plate No. 2	{35Z6	35.0	JR-0304-0	0.0	77	P3	F	★	Plate No. 2
{5X3	5.0 JR-0300-0	0.0	45	P3	F	★	Plate No. 1	36	6.3	JR-0234-0	4.0	....	P4	C	660	Cap=G
{5X3	5.0 JR-0200-0	0.0	40	P3	F	★	Plate No. 2	37	6.3	JR-3204-0	10.6	....	P4	C	570	
{5X4	5.0 JX-0500-0	0.0	65	P3	F	★	Plate No. 1	38	6.3	JR-0234-0	8.7	....	P4	E	660	Cap=G
{5X4	5.0 JX-0300-0	0.0	65	P3	F	★	Plate No. 2	39/44	6.3	JR-0234-0	5.0	....	P4	E	630	Cap=G
{5Y3	5.0 HR-0600-0	0.0	40	P3	F	★	Plate No. 1	40	5.0	JR-3200-0	6.2	....	P4	E	125	
{5Y3	5.0 HR-0400-0	0.0	40	P3	F	★	Plate No. 2	{40Z5	BLST	JR-0537-0	....	....	....	....	....	Shorton 1-2-3-4-5
{5Y4	5.0 JX-0500-0	0.0	50	P3	F	★	Plate No. 1	{40Z5	50.0	JR-0507-0	0.0	78	P3	F	★	Rect. Sect.
{5Y4	5.0 JX-0300-0	0.0	50	P3	F	★	Plate No. 2	41	6.3	JR-4235-0	7.3	....	P4	E	1000	
{5Z3	5.0 JR-0300-0	0.0	65	P3	F	★	Plate No. 1	42	6.3	JR-4235-0	1.7	....	P4	C	1640	
{5Z3	5.0 JR-0200-0	0.0	65	P3	F	★	Plate No. 2	43	25.0	JR-4235-0	14.0	....	P4	C	1450	
{5Z4	5.0 HR-0600-0	0.0	75	P3	F	★	Plate No. 1	45	2.5	JR-3200-0	18.0	....	P4	C	1170	
{5Z4	5.0 HR-0400-0	0.0	75	P3	F	★	Plate No. 2	45Z3	50.0	HT-0208-0	0.0	72	P3	F	★	
6A3.	6.3 JR-3200-0	26.0	....	P4	D	1900		{45Z5	BLST	JR-0537-0	....	....	....	....	....	Shorton 1-2-3-4-5
6A4	6.3 JR-3240-0	5.0	....	P4	E	1260		{45Z5	50.0	JR-0507-0	0.0	78	P3	F	★	Rect. Sect.
6A5	6.3 JR-5300-0	26.0	....	P4	D	1900		46	2.5	JR-3240-0	5.6	....	P4	E	1260	
{6A6	6.3 JR-5604-0	2.3	....	P4	C	950	Triode No. 1	47	2.5	JR-3240-0	3.5	....	P4	E	1260	
{6A6	6.3 JR-3204-0	2.3	....	P4	C	950	Triode No. 2	48	25.0	JR-4235-0	25.0	....	P4	C	1260	
{6A7	6.3 JR-0236-5	1.0	....	....	C	1000	Pent. Sect. Cap=G Hold down P1 and Press P4 for reading	49	2.0	JR-3240-0	12.6	....	P4	E	710	
{6A7	6.3 JR-5436-2	3.0	....	....	E	315	Osc. Sect. Hold down P1 and Press P4 for reading	50	7.5	JR-3200-0	24.0	....	P4	E	950	
{6A8	6.3 JR-0347-5	1.0	....	....	C	1000	Pent. Sect. Cap=G Hold down P1 and Press P4 for reading	50A5	50.0	JR-6237-0	1.5	....	....	B	5650	Hold down P1 and Press P4 for reading
{6A8	6.3 JR-5647-3	3.0	....	....	E	315	Osc. Sect. Hold down P1 and Press P4 for reading	50B5	50.0	JR-3562-0	1.5	....	....	B	5650	Hold down P1 and Press P4 for reading
6AB4	6.3 JR-6307-0	2.1	....	P4	C	2500		50C5	50.0	JR-2763-0	1.5	....	....	B	5650	Hold down P1 and Press P4 for reading
{6AB5	6.3 JR-5403-0	0.0	....	P4	F	.....	Eye Open	50C6	50.0	JR-5347-2	11.8	....	P4	D	3150	
{6AB5	6.3 JR-5423-0	0.0	....	P4	F	.....	Eye Closed	50L6	50.0	JR-5347-0	1.5	....	....	B	5650	Hold down P1 and Press P4 for reading
6AB6	6.3 JR-5347-0	0.9	....	P4	C	920		{50X6	50.0	JR-0607-5	0.0	71	P3	F	★	Plate No. 1
6AB7	6.3 JR-4765-3	2.0	....	P4	C	2200		{50X6	50.0	JR-0302-5	0.0	71	P3	F	★	Plate No. 2
{6AB8	6.3 EV-9683-7	4.0	....	P4	C	2100	Pent. Sect.	{50Y6	50.0	JR-0507-0	0.0	75	P3	F	★	Plate No. 1
{6AB8	6.3 EV-2103-0	5.0	....	P4	C	850	Triode Sect.	{50Y6	50.0	JR-0304-0	0.0	75	P3	F	★	Plate No. 2
6AC5	6.3 JR-5307-0	0.0	....	P4	E	630		{50Y7	BLST	JR-0060-0	....	....	....	....	....	Shorton 1-2-3-4-5
6AC6	6.3 JR-5347-0	0.0	....	P4	E	1500		{50Y7	50.0	JR-0507-0	0.0	72	P3	F	★	Plate No. 1
6AC7	6.3 JR-4765-3	1.7	....	P4	B	3150		{50Y7	50.0	JR-0304-0	0.0	72	P3	F	★	Plate No. 2
{6AD6	6.3 JR-4357-0	0.0	....	P4	F	.....	{Eye 1 Open	{50Z7	BLST	JR-0060-0	....	....	....	....	....	Shorton 1-2-3-4-5
{6AD6	6.3 JR-3457-0	0.0	....	P4	F	.....	{Eye 2 Closed	{50Z7	50.0	JR-0507-0	0.0	75	P3	F	★	Plate No. 1
							{Eye 2 Open	{50Z7	50.0	JR-0304-0	0.0	75	P3	F	★	Plate No. 2
							{Eye 1 Closed	HD51	....	KR-0302-0	0.0	....	P5	E	★	
								51/51S	2.5	JR-0234-0	4.0	....	P4	E	640	Cap=G

6AD7	6.3	JR-5347-6	5.3	....	P4	E	1260	Pent. Sect.	51/51S	2.5	JR-0234-0	4.0	....	P4	E	640	Cap=G
6AD7	6.3	JR-2607-3	0.0	....	P4	E	380	Triode Sect.	52	6.3	JR-3240-0	4.2	....	P4	E	1500	
6AE5	6.3	JR-5307-0	25.5	....	P4	E	750		53	2.5	JR-5604-2	2.3	....	P4	E	950	Triode No. 1
6AE6	6.3	JR-5407-3	0.0	....	P4	E	470	Triode No. 1	53	2.5	JR-3204-6	2.3	....	P4	E	950	Triode No. 2
6AE6	6.3	JR-5307-4	0.0	....	P4	E	540	Triode No. 2	55	2.5	JR-0205-0	12.5	....	P4	E	610	Triode Sect. Cap=G
6AE7	6.3	JR-6307-4	7.6	....	P4	E	950	Triode No. 1	55	2.5	JR-0405-0	0.0	....	P1	B	★	Diode No. 1
6AE7	6.3	JR-4305-6	7.6	....	P4	E	950	Triode No. 2	55	2.5	JR-0305-0	0.0	....	P1	B	★	Diode No. 2
6AF4	6.3	JR-2305-0	7.5	....	P4	B	3150		56	2.5	JR-3204-0	6.2	....	P4	E	920	
6AF5	6.3	JR-5307-0	15.5	....	P4	E	950		57	2.5	JR-0235-4	3.7	....	P4	E	770	Cap=G
6AF6	6.3	JR-4357-0	0.0	....	P4	F	.....	{ Eye 1 Open	57A	6.3	JR-0235-4	3.3	....	P4	E	770	Cap=G
6AF6	6.3	JR-3457-0	0.0	....	P4	F	.....	{ Eye 2 Closed	58	2.5	JR-0235-4	4.0	....	P4	E	900	Cap=G
6AG5	6.3	JR-3562-0	1.7	....	P4	C	2500	{ Eye 2 Open	58A/58AS	6.3	JR-0235-4	4.0	....	P4	E	900	Cap=G
6AG7	6.3	JR-4765-2	1.0	....	P4	B	6000	{ Eye 1 Closed	59	2.5	JR-4236-5	3.5	....	P4	C	1260	
6AH4	6.3	JR-2507-0	11.0	....	P4	B	3460		HY65	6.3	JR-5040-7	0.0	....	P4	D	1900	Cap=P
6AH5	6.3	JR-6427-0	3.0	....	P4	B	3800		KT66	6.3	JR-5347-2	3.2	....	P4	B	4000	
6AH6	6.3	JR-3567-2	0.5	....	P4	B	5650		VT67	2.0	JR-3200-0	9.1	....	P4	E	570	
6AH7	6.3	JX-5604-0	4.0	....	P4	C	1500	Triode No. 1	HY69	6.3	JR-3024-0	0.0	....	P4	D	1900	Cap=P
6AH7	6.3	JX-2301-0	4.0	....	P4	C	1500	Triode No. 2	70A7	75.0	JR-5347-0	15.5	....	P4	D	1900	Pent. Sect.
6AJ4	6.3	JX-1502-0	2.2	....	P4	B	6300		70A7	75.0	JR-0200-0	0.0	60	P3	F	★	{ Rect. Sect.
6AJ5	6.3	JR-3562-0	2.0	....	....	C	1730	Hold down P1 and Press P4 for reading	70L7	75.0	JR-5346-0	12.6	....	P4	D	3150	Pent. Sect.
6AJ7	6.3	JR-4765-3	1.7	....	P4	B	3150		70L7	75.0	JR-0702-3	0.0	75	P3	F	★	Rect. Sect.
6AK4	6.3	DW-1805-7	5.2	....	P4	C	2400		71A	5.0	JR-3200-0	25.0	....	P4	E	1040	
6AK5	6.3	JR-3562-0	2.0	....	P4	B	3150		75	6.3	JR-0205-0	1.1	....	P4	E	470	Triode Sect. Cap=G
6AK6	6.3	JR-3567-2	3.0	....	P4	E	1320		75	6.3	JR-0405-2	0.0	....	P1	B	★	Diode No. 1
6AK7	6.3	JR-4765-2	1.0	....	P4	B	6000		75	6.3	JR-0305-2	0.0	....	P1	B	★	Diode No. 2
6AL5	6.3	JR-0703-0	0.0	0	P1	F	★	Diode No. 1	75MG	6.3	JR-0407-0	1.1	....	P4	E	470	Triode Sect. Cap=G
6AL5	6.3	JR-0205-0	0.0	0	P1	F	★	Diode No. 2	75MG	6.3	JR-0507-0	0.0	....	P1	B	★	Diode No. 1
6AL6	6.3	JR-5047-0	3.7	....	P4	D	3150	Cap=P	75MG	6.3	JR-0607-0	0.0	....	P1	B	★	Diode No. 2
6AL7	6.3	JR-6357-0	Vary	100	P4	F	.....	{ Bias Controls	76	6.3	JR-3204-0	6.2	....	P4	E	920	
6AL7	6.3	JR-5347-0	Vary	100	P4	F	.....	{ Left Pattern	77	6.3	JR-0235-4	3.3	....	P4	E	770	Cap=G
6AL7	6.3	JR-4357-0	Vary	100	P4	F	.....	{ Bias Controls	78	6.3	JR-0235-4	4.0	....	P4	E	900	Cap=G
6AM4	6.3	JX-1502-0	1.0	....	P4	B	5650	{ Both Patterns	79	6.3	JR-0504-0	1.6	....	P4	C	630	Triode No. 1 Cap=G
6AN4	6.3	JR-2305-0	0.7	....	P4	B	5650	{ Bias Controls	79	6.3	JR-3204-0	1.6	....	P4	C	630	Triode No. 2
6AN5	6.3	JR-3567-0	0.5	....	....	B	5000	{ Right Pattern	80	5.0	JR-0300-0	0.0	40	P3	F	★	Plate No. 1
6AQ5	6.3	JR-3562-0	2.1	....	P4	D	2600		80	5.0	JR-0200-0	0.0	40	P3	F	★	Plate No. 2
6AQ6	6.3	JR-3702-0	0.1	....	P4	E	725	Triode Sect.	81	7.5	JR-0200-0	0.0	23	P3	F	★	
6AQ6	6.3	JR-0602-0	0.0	....	P1	B	★	Diode No. 1	82	2.5	JR-0300-0	0.0	65	P3	F	★	Plate No. 1
6AQ6	6.3	JR-0502-0	0.0	....	P1	B	★	Diode No. 2	82	2.5	JR-0200-0	0.0	65	P3	F	★	Plate No. 2
6AQ7	6.3	JX-4501-6	1.5	....	P4	E	630	Triode Sect.	83	5.0	JR-0300-0	0.0	77	P3	F	★	Plate No. 1
6AQ7	6.3	JX-4201-6	0.0	....	P1	B	★	Diode No. 1	83V	5.0	JR-0200-0	0.0	77	P3	F	★	Plate No. 2
6AQ7	6.3	JX-4301-6	0.0	....	P1	B	★	Diode No. 2	83V	5.0	JR-0300-0	0.0	77	P3	F	★	Plate No. 1
6AR5	6.3	JR-3562-0	2.1	....	P4	E	1500		84	6.3	JR-0304-0	0.0	64	P3	F	★	Plate No. 2
6AR6	6.3	GX-8352-0	9.1	....	P4	D	3400		84	6.3	JR-0204-0	0.0	64	P3	F	★	Plate No. 1
6AS5	6.3	JR-2763-0	10.5	....	P4	B	3530		85	6.3	JR-0205-0	10.2	....	P4	E	620	Triode Sect. Cap=G
6AS6	6.3	JR-3562-7	1.8	....	P4	C	1400		85	6.3	JR-0405-2	0.0	....	P1	B	★	Diode No. 1
6AS7	6.3	JX-4506-1	40.0	....	P4	D	1800	Triode No. 1. Gas Test. Hold down both P1 and P5 and test for gas in the usual manner	85AS	6.3	JR-0305-2	0.0	....	P1	B	★	Diode No. 2
6AS7	6.3	JX-2103-5	40.0	....	P4	D	1800	Triode No. 2. Gas Test. Hold down both P1 and P5 and test for gas in the usual manner	85AS	6.3	JR-0205-0	10.2	....	P4	E	700	Triode Sect. Cap=G
6AT6	6.3	JR-3702-0	1.5	....	P4	E	820	Triode Sect.	85AS	6.3	JR-0405-2	0.0	....	P1	B	★	Diode No. 1
6AT6	6.3	JR-3602-0	0.0	....	P1	B	★	Diode No. 1	89/89Y	6.3	JR-0305-2	0.0	....	P1	B	★	Diode No. 2
6AT6	6.3	JR-3502-0	0.0	....	P1	B	★	Diode No. 2	99	3.0	JR-3200-0	16.0	....	P4	E	270	
6AU5	6.3	JR-2573-0	11.0	....	P4	D	3275		112A	5.0	JR-3200-0	14.0	....	P4	E	1040	
									HY114	1.5	JR-0000-0	5.0	....	P4	E	700	{ Right Cap=P
									117L7/M7	117.0	JR-4357-0	12.0	....	P4	C	2500	Left Cap=G
									117L7/M7	117.0	JR-0602-0	0.0	75	P3	F	★	Pent. Sect.







6J7	6.3	JR-0347-5	4.0	....	P4	E	770	Cap=G	E1148	6.3	JR-0007-0	3.5	....	P4	C	1390	Upper Cap=P Lower Cap=G
{6J8	6.3	JR-5347-6	2.5	....	P4	C	630	Heptode Sect. Cap=G	1201	6.3	JS-1304-0	2.8	....	P4	C	1900	
{6J8	6.3	JR-5647-3	0.0	....	P4	C	1000	Triode Sect.	1203	6.3	JR-0407-0	0.0	....	P1	E	★	Diode
6K4	6.3	DU-2105-0	4.0	....	P4	B	3460		1204	6.3	HS-5314-0	2.1	....	P4	C	1150	
6K5	6.3	JR-0307-0	2.0	....	P4	C	880	Cap=G	1229	2.0	JR-0230-0	3.0	....	....	E	400	Cap=G Hold down P1 and Press P4 for reading
6K6	6.3	JR-5347-0	7.3	....	P4	E	1000		1230	2.0	JR-3200-0	10.2	....	P4	E	570	
6K7	6.3	JR-0347-5	2.8	....	P4	E	910	Cap=G	1231	6.3	JR-6237-4	0.5	....	P4	B	3460	
{6K8	6.3	JR-5347-6	1.1	....	P4	C	630	Hexode Sect. Cap=G	1232	6.3	JR-6237-4	1.1	....	P4	C	2840	
{6K8	6.3	JR-5647-3	1.1	....	P4	C	1500	Triode Sect.	{1237	2.5	JR-0300-0	0.0	83	P3	F	★	Plate No. 1
6L4	6.3	JR-2306-0	5.0	....	P4	B	4000		{1237	2.5	JR-0600-0	0.0	83	P3	F	★	Plate No. 2
6L5	6.3	JR-5307-0	6.0	....	P4	E	950		1247	0.6	EV-0000-0	0.0	....	P1	C	★	Top Lead=P
6L6	6.3	JR-5347-2	3.0	....	P4	B	3800		HY1269	12.6	JR-3024-0	0.0	....	P4	D	2500	Cap=P Short on 3
{6L7	6.3	JR-0347-5	5.0	....	P4	E	410	Cap Grid Cap=G	1273	6.3	JR-6237-4	1.1	....	P4	C	1450	
{6L7	6.3	JR-5347-2	1.1	....	P4	E	410	Pin Grid	{1274	6.3	JR-0507-3	0.0	60	P3	F	★	Plate No. 1
6N4	6.3	JR-3502-0	1.7	....	P4	B	3800		{1274	6.3	JR-0307-5	0.0	60	P3	F	★	Plate No. 2
{6N5	6.3	JR-5403-0	0.0	....	P4	F	.....	Eye Open	1280	12.6	JR-6237-4	1.1	....	P4	C	1450	
{6N5	6.3	JR-5423-0	0.0	....	P4	F	.....	Eye Closed	1284	12.6	JR-6237-4	5.0	....	P4	E	1250	
6N6	6.3	JR-5347-0	0.0	....	P4	E	950		1285	25.0	JR-5347-0	8.3	....	P4	B	3650	
{6N7	6.3	JR-5607-3	3.0	....	P4	C	950	Triode No. 1	{1291	2.5	BY-6700-0	6.2	....	P4	C	1900	Triode No. 1
{6N7	6.3	JR-4307-6	3.0	....	P4	C	950	Triode No. 2	{1291	2.5	JR-3200-0	6.2	....	P4	C	1900	Triode No. 2
{6N8	6.3	EV-2613-9	0.9	....	P4	E	1400	Pent. Sect.	1293	1.5	JR-6200-0	7.2	....	P4	C	820	
{6N8	6.3	EV-2713-9	0.0	....	P1	B	★	Diode No. 1	1294	1.5	JR-0407-0	0.0	....	P1	B	★	
{6N8	6.3	EV-2813-9	0.0	....	P1	B	★	Diode No. 2	1299	2.5	JR-6230-0	8.0	....	P4	E	1320	
6P5	6.3	JR-5307-0	6.2	....	P4	E	910		SR1553D	6.3	JR-2305-0	0.6	....	P4	B	5350	
{6P7	6.3	BT-0457-6	5.0	....	P4	E	700	Pent. Sect. Cap=G	1603	6.3	JR-0235-4	3.3	....	P4	E	770	Cap=G
{6P7	6.3	BT-8607-4	5.0	....	P4	E	315	Triode Sect.	1609	1.1	JR-3240-0	0.0	....	....	E	440	Hold down P1 and Press P4 for reading
6Q4	6.3	EV-1903-0	0.9	....	P4	A	6300	Short on 1-2-3-5	{1612	6.3	JR-0347-5	3.7	....	P4	C	410	Cap Grid Cap=G
6Q5	6.3	JR-5307-0	#	71	P5	F	★	Strikes at about 15 volts	{1612	6.3	JR-5347-2	4.8	....	P4	C	410	Pin Grid.
{6Q6	6.3	JR-0307-0	2.3	....	P4	E	630	Triode Sect. Cap=G	1613	6.3	JR-5347-0	1.7	....	P4	C	1640	
{6Q6	6.3	JR-0507-0	0.0	....	P1	B	★	Diode No. 1	1614	6.3	JR-5347-2	3.0	....	P4	B	3800	
{6Q6	6.3	JR-0407-0	0.0	....	P1	B	★	Diode No. 2	1616	3.0	JR-0000-0	0.0	65	P2	F	★	Cap=P
{6Q7	6.3	JR-0307-2	2.3	....	P4	E	500	Triode Sect. Cap=G	1619	2.5	JR-5340-7	1.3	....	P4	D	2150	
{6Q7	6.3	JR-0507-3	0.0	....	P1	B	★	Diode No. 1	1620	6.3	JR-0347-5	4.5	....	P4	C	770	Cap=G
{6Q7	6.3	JR-0407-3	0.0	....	P1	B	★	Diode No. 2	1621	6.3	JR-5347-0	1.7	....	P4	C	1640	
6R4	6.3	EV-1803-0	5.6	....	P4	D	2500		1622	6.3	JR-5347-0	3.0	....	P4	B	3800	
{6R7	6.3	JR-0307-2	4.0	....	P4	E	1200	Triode Sect. Cap=G	1623	6.3	JR-3000-0	0.0	....	P4	E	1400	Cap=P
{6R7	6.3	JR-0507-3	0.0	....	P1	B	★	Diode No. 1	1624	2.5	JR-3020-0	1.5	....	P4	D	2500	Cap=P
{6R7	6.3	JR-0407-3	0.0	....	P1	B	★	Diode No. 2	1625	12.6	JR-4036-0	5.3	....	P4	D	2400	Cap=P
{6R8	6.3	EV-8907-2	4.8	....	P4	E	1200	Triode Sect.	1626	12.6	JR-5307-0	16.0	....	P4	E	1325	
{6R8	6.3	EV-0107-8	0.0	....	P1	D	★	Diode No. 1	{1629	12.6	JR-5407-0	....	....	P4	F	.....	Eye Open
{6R8	6.3	EV-0607-8	0.0	....	P1	D	★	Diode No. 2	{1629	12.6	JR-5437-0	....	....	P4	F	.....	Eye Closed
{6R8	6.3	EV-0203-9	0.0	....	P1	D	★	Diode No. 3	1631	12.6	JR-5347-2	3.0	....	P4	B	3800	
6S4	6.3	EV-6902-0	4.2	....	P4	D	2600		1632	12.6	JR-5347-0	1.5	....	P4	B	5650	Hold down P1 and Press P4 for reading
6S7	6.3	JR-0347-5	4.8	....	P4	E	1100	Cap=G	{1633	25.0	JX-4506-0	5.0	....	P4	C	1640	Triode No. 1
{6S8	6.3	JX-0601-0	0.8	....	P4	E	570	Triode Sect. Cap=G	{1633	25.0	JX-2103-0	5.0	....	P4	C	1640	Triode No. 2
{6S8	6.3	JX-0401-0	0.0	....	P1	B	★	Diode No. 1	{1634	12.6	JX-4506-2	0.9	....	P4	C	830	Triode No. 1
{6S8	6.3	JX-0201-0	0.0	....	P1	B	★	Diode No. 2	{1634	12.6	JX-3106-2	0.9	....	P4	C	830	Triode No. 2
{6S8	6.3	JX-0305-0	0.0	....	P1	B	★	Diode No. 3	{1635	6.3	JR-4307-0	0.0	....	P4	C	540	Triode No. 1
{6SA7	6.3	JR-7346-5	0.0	....	....	C	760	Ampl. Sect. Hold down P1 and Press P4 for reading	{1635	6.3	JR-5607-0	0.0	....	P4	C	540	Triode No. 2
{6SA7	6.3	JR-5406-7	0.0	....	P4	B	2840	Osc. Sect.	{1642	6.3	JR-4506-0	8.7	....	P4	E	870	Triode No. 1
{6SB7	6.3	JR-7346-5	0.0	....	....	C	1070	Ampl. Sect. Hold down P1 and Press P4 for reading	{1642	6.3	JR-0302-0	8.7	....	P4	E	870	Triode No. 2 Cap=G
{6SB7	6.3	JR-5406-7	0.0	....	P4	B	5000	Osc. Sect.	{1644	12.6	JW-2751-3	0.9	....	P4	C	1350	Pent. No. 1
{6SC7	6.3	JX-4506-1	0.9	....	P4	C	830	Triode No. 1	{1644	12.6	JW-3451-2	0.9	....	P4	C	1350	Pent. No. 2
{6SC7	6.3	JX-3106-5	0.9	....	P4	C	830	Triode No. 2	1654	1.5	DX-0000-0	0.0	....	P5	E	★	Cap=P Short on 3
6SD7	6.3	JR-4765-3	2.6	....	P4	C	1900		1658	2.0	JR-3200-0	10.2	....	P4	E	570	
6SF5	6.3	JX-3501-2	0.9	....	P4	C	950		1851	6.3	JR-0347-5	1.7	....	P4	B	3150	Cap=G







12AV6	12.6	JR-3702-5	1.3	....	P4	E	790	Triode Sect.
12AV6	12.6	JR-3602-5	0.0	....	P1	B	★	Diode No. 1
12AV6	12.6	JR-3502-6	0.0	....	P1	B	★	Diode No. 2
12AV7	12.6	EV-7608-2	1.5	....	P4	B	3850	Triode No. 1
12AV7	12.6	EV-2103-7	1.5	....	P4	B	3850	Triode No. 2
12AW6	12.6	JR-3562-7	1.0	....	P4	B	3000	
12AX4	12.6	JX-0503-0	0.0	63	P3	F	★	
12AX7	12.6	EV-7608-0	1.3	....	P4	C	875	Triode No. 1
12AX7	12.6	EV-2103-0	1.3	....	P4	C	875	Triode No. 2
12AY7	12.6	EV-7608-0	2.3	....	P4	C	1100	Triode No. 1
12AY7	12.6	EV-2103-0	2.3	....	P4	C	1100	Triode No. 2
12AZ7	12.6	EV-7608-0	1.9	....	P4	C	2500	Triode No. 1
12AZ7	12.6	EV-2103-0	1.9	....	P4	C	2500	Triode No. 2
12B4	12.6	EV-2901-0	11.0	....	P4	B	4100	
12B7	12.6	JR-6237-4	3.0	....	P4	C	1260	
12B8	12.6	JR-0342-0	3.7	....	P4	C	1140	Pent. Sect. Cap-G
12B8	12.6	JR-7506-0	0.8	....	P4	C	1260	Triode Sect.

XXFM	6.3	JR-3204-0	1.1	....	P4	C	630	Triode Sect.
XXFM	6.3	JR-0504-0	0.0	0	P1	F	★	Diode No. 1
XXFM	6.3	JR-0607-0	0.0	0	P1	F	★	Diode No. 2
XXL	6.3	JR-6207-0	2.5	....	P4	C	1900	

COPYRIGHT 1953

THE HICKOK ELECTRICAL INSTRUMENT COMPANY, CLEVELAND, OHIO

# STOP

7-1-53

## MODEL 539A

NEITHER THIS CHART NOR ANY PART THEREOF MAY BE COPIED WITHOUT PERMISSION OF THE COPYRIGHT OWNER.

# STOP

7-1-53

## TUBE TESTER

This Document Provided Free  
At  
[www.StevenJohnson.com](http://www.StevenJohnson.com)  
NOT FOR RESALE