NAVWEPS 16-45-637

TB 11-6625-274-12/1

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

TEST DATA FOR ELECTRON TUBE TEST SETS TV-7/U, TV-7A/U, TV-7B/U, AND TV-7D/U

This copy is a reprint which includes current pages from Changes 3.

HEADQUARTERS, DEPARTMENT OF THE ARMY

17 JANUARY 1962

TECHNICAL BULLETIN
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WASHINGTON 25, D. C., *17 January 1962*

TEST DATA FOR ELECTRON TUBE TEST SETS TV-7/U, TV-7A/U, TV-7B/U, AND TV-7 D/U

1. **Operation.** The following instructions are keyed to the table of test data given in paragraph 2. For complete operating instructions see TM 11-6625-274-12, Operator's and Organizational Maintenance Manual, Test Sets, Electron Tube TV-7/U, TV-7 A/U, TV-7B/U, and TV-7D/U.

a. Turn the POWER switch to the ON position.

b. Press push button 1-LINE ADJ and hold it down. Slowly rotate the LINE ADJUST control knob until the pointer of the meter rests over the LINE TEST mark. This adjustment is not required for all tubes (refer to *Notations* column).

c. Locate the type number of the tube to be tested (par. 2) under the column heading *Tube type.*

d. Refer to the *Notations* column for special information pertaining to specific types of tubes.

e. Set the FILAMENT VOLTAGE switch at the voltage shown under the heading *Fil.*

f. Set the selector switches as indicated under the column headed *Selectors* in the following order: FILAMENT (left), FILAMENT (right), GRID, PLATE, SCREEN, CATHODE, and SUPPRESSOR.

g. Set the BIAS dial at the value listed in the *Bias* column.

h. Set the SHUNT dial at the value listed under *Shunt.* If no setting is indicated for this dial, omit this step, and proceed with the next operation.

i. Set the FUNCTION SWITCH to the No. 1 position.

j. Insert the tube to be tested in the proper socket.

k. Readjust the line voltage (*b* above).

l. Rotate the FUNCTION SWITCH through SHORTS positions 1, 2, 3, 4, and 5. If the neon lamp glows steadily, or intermittently under light tapping, a short is indicated and the tube should be discarded, with the exception of tubes which normally show shorts in certain positions as indicated under the *Notations* column. Disregard momentary flashes between switch positions. Multisection tubes must be tested for shorts for each section. On all selector switch settings in which the CATHODE selector switch and the SUPPRESSOR selector switch are set for a common pin number (except 0 and 1) the FUNCTION switch will indicate short on positions 2 and 3.

m. Allow sufficient time for the tube to warm up and repeat the shorts test (*l* above).

n. Turn the FUNCTION SWITCH to the proper RANGE position as indicated under the column headed *Range.*

o. Press the pushbutton listed in the *Press* column. Read the meter as soon as its needle comes to rest and immediately release the pushbutton.

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*This bulletin supersedes TB I 1-508 3-1/TO 33 AA21-5-1, 9 October 1957, including C 1, 22 December 1958; C 2, 1 April 1959; C 3, 10 February 1960; and C 4, 16 June 1960.

Caution: **Never hold the pushbutton down longer than necessary to make the reading. Holding the pushbutton down too long may damage the tube.**

p. If the numerical value of the meter reading is less than the minimum acceptable value listed under the heading *Min value*, replace the tube. If the tube tests good, continue the test by testing for gas (*q* below).

Note. The meter indication for tube types such as pentagrid converters, mixers, thyratrons, and voltage regulators (listed below) is not a true and conclusive measurement of the tube condition and value. The final determination of the condition of the tube should be made by an operational test in equipment known to meet the applicable repair standard. In some equipments, it is necessary to substitute a known good tube of the same type to obtain a true indication of the tube's condition. Do not discard a tube which does not operate satisfactorily in the equipment, if the test set indicates that the tube is good. The tube may operate satisfactorily in another circuit.

0A2	2C4	6SA7	837
0A3	2C53	6SB7	874
0A4	2D21	6T5	884
0B2	2E24	6U5	885
0B3	2E26	7A8	1258
0C3	3C24	7B8	1612
0D3	6A7	7J7 Heptode only	1629
0Y4	6A8	7Q7	1635
HK24	6AB5/6N5	7S7 Heptode only	
1A6	6AC5	12A8	2051
1A7	6AD6	12BA7	5643
1B7	6AF6	12BE6	5644
1C6	6BA7	12K8 Heptode only	5651
1C7	6BE6	12SA7	5663
1C8	6D4	12SY7	5696
1C21	6D8	14B8	5722
1LA6	6E5	14J7 Heptode only	5750
1LC6	6H5	14Q7	5763
1R5	6J8 Heptode only	14S7 Heptode only	5783
2A4	6K8 Hexode only	25AC5	5787
2A7	6L7	26D6	5842
2B4	6Q5	313C	5847
			5915

q. To test amplifier tubes for gas content, hold down pushbutton 4-GAS 1 and rotate the BIAS dial until t he meter indicates one large division or a reading of 10 on the scale. While pushbutton 4-GAS 1 is held down, press pushbutton 5-G AS 2. If the tube under test contains gas, the meter will move upscale. A movement of more than one small division indicates a gassy tube. If the adjustment of the BIAS dial does not bring the pointer of the meter down to the first large division, turn the BIAS dial to 100, hold down pushbutton 4-G AS 1, and press pushbutton 5-GAS 2. A movement of more than one small division indicates a gassy tube.

Note. The gas test may be made without first making the GM test.

2. Data Table. Where a crosshatch (#) symbol appears in the test data, read the notations carefully before testing the tube. Where a star (*) follows the type number, refer to the basing diagrams for subminiature tubes given in TM 11-6625-274-12.

DATA TABLE

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
OOA	5.0	ER3-2000	33		B	3	17	
01A	5.0	ER3-2000	48		B	3	18	
OA2	BLST	AP0-5020	0	32	A	4	40	Short on 1, 2, 3, 4, and 5.
OA3		HP0-5020	0	60	A	4	40	
OA4G		KR0-5720	100	85	A	4	40	
OB2		AP0-5020	0	40	A	4	40	Short on 1, 2, 3, 4, and 5.
OB3		HP0-5020	0	65	A	4	40	
OC3		HP0-5020	0	60	A	4	40	
OD3		HP0-5020	0	40	A	4	40	
OY4	BLST	HY3-5010	0	53	A	6	40	Short on 1 and 2.
OZ4		HS0-5080	0	70	A	6	40	Plate No. 1.
Hold down pushbutton 6-0Z4 for 5 seconds.								
OZ4		HS0-3080	0	70	A	6	40	Plate No. 2.
Hold down pushbutton 6-0Z4 for 5 seconds.								
OZ4A		HS0-5080	0	70	A	6	40	Plate No. 1.
Hold down pushbutton 6-0Z4 for 5 seconds.								
OZ4A		HS0-3080	0	70	A	6	40	Plate No. 2.
Hold down pushbutton 6-0Z4 for 5 seconds.								
1A3	1.5	HR0-2030	0	0	A	2	28	
1A4	2.0	ER0-2300	18		B	(#)	19	Cap connects to grid No. 4.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1A5	1.5	HS5-3400	43		B	3	20	
1A6	2.0	GR4-5320	75		B	3	11	Cap connects to grid No. 4.
1A7	1.5	HS5-4630	85		B	3	9	Cap connects to grid No. 4.
1AB5	1.1	JR6-2300	0		B	3	36	
1AC5*	1.1	EV2-7800	22		B	(#)	10	F basing.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1AD4	1.1	DV4-1200	28		B	3	35	
1AD5*	1.1	EV2-7800	0		B	(#)	16	F basing.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1AE4	1.1	BX6-2300	22		B	3	24	
1AF4	1.5	BX6-2300	21		B	3	18	
1AF5	1.5	BX6-5400	0		B	(#)	15	Pentode sect.

DATA TABLE—Continued

Tube type	*Filament*	*Selector*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1AF5	1.5	BX0-3000	0	0	A	2	10	Diode sect.
1AG4	1.1	DV4-1200	31		B	(#)	18	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1AG5	1.1	EW5-1203	40	0	A	4	20	Pentode sect.
1AG5	1.1	EW0-3000	0	0	A	2	20	Diode sect.
1AH4	1.1	FT4-1200	33	0	A	4	40	
1AJ4	1.5	HR6-2300	33		A	3	36	
1AJ5	1.1	EW5-1203	16		B	(#)	11	Pen tode sect.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1AJ5	1.1	EW0-3000	0	18	A	2	40	Diode sect.
1AK4	1.1	FT4-1200	33	0	A	4	40	
1AK5	1.1	EW5-1203	40	0	A	4	20	Pentode sect.
1AK5	1.1	EW0-3000	0	0	A	2	20	Diode sect.
1AU3	1.1	HS0-0000	0	0	A	4	38	Cap connects to plate.
1AX2	1.5	BS0-0000	0	30	A	4	40	Cap connects to plate.
1B3	1.1	HS0-0000	0	68	A	4	40	Cap connects to plate
1B4	2.0	ER0-2300	18		B	(#)	16	Cap connects to grid
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1B5	2.0	GR5-2000	28		B	3	14	Triode sect.
1B5	2.0	GR5-4000	0	11	A	2	40	Diode No. 1.
1B5	2.0	GR5-3000	0	21	A	2	40	Diode No. 2.
1B7	1.5	HS5-4630	68		B	(#)	23	Cap connects to grid.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1C3	1.5	BX4-2000	37		B	3	19	
1C5	1.5	H X5-3400	37		B	3	19	
1C6	2.0	GR4-5320	56		B	(#)	25	Cap connects to grid No. 4.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1C7	2.0	HS-4630	56		B	(#)	25	Cap connects to grid No. 4.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1C8*	1.1	EV8-6702	45		B	3	10	F basing. Short on 3.
1C21	BLST	HP7-5020	0	83	A	4	40	
1D5	2.0	HS0-3400	18		B	(#)	19	Cap connects to grid.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1D7	2.0	HS5-4630	75		B	3	11	Connects to grid No. 4.
1D8	1.5	HS5-3460	50		B	3	23	Pentode sect.
1D8	1.5	HS5-6430	11		B	3	14	Triode sect. Cap connects to grid.
1D8	1.5	HS5-8430	0	0	A	2	24	Diode sect.
1DN5	1.5	BX6-2300	32		B	3	16	Pentode sect.
1DN5	1.5	HR0-4000	0	0	A	2	16	Diode sect.
1E3	1.1	EV1-8000	24		C	3	38	
1E4	1.5	HS5-3000	37		B	3	21	
1E5	2.0	HS0-3400	18		B	(#)	16	Cap connects to grid.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1E7	2.0	HS5-6834	21		B	3	29	Pentode No. 1.
1E7	2.0	HS4-3865	21		B	3	29	Pentode No. 2.
1F4	2.0	FR3-2400	23		B	3	35	
1F5	2.0	HS5-3400	23		B	3	35	
1 F6	2.0	GR0-2300	8		B	(#)	1 C	Pentode sect. Cap connects to grid No. 1.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1F6	2.0	GR0-5300	0	0	A	2	19	Diode No. 1.
1F6	2.0	GR0-4300	0	0	A	2	22	Diode No. 2.
1F7	2.0	HS0-3600	8		B	(#)	16	Pentode sect. Cap connects to grid No. 1.
#Hold down pushbutton 2- DIODE and press pushbutton 3-MUT. COND.								
1F7	2.0	HS0-4630	0	0	A	2	19	Diode No. 1.
1F7	2.0	HS0-5630	0	0	A	2	22	Diode No. 2.
1G3	1.1	HS0-0000	0	68	A	4	40	Cap connects to plate.
1G4	1.5	HS5-3000	49	B		3	21	
1G5	2.0	HS5-3400	37		B	3	38	
1G6	1.5	HS5-6000	16		B	3	17	Triode No. 1.
1G6	1.5	HS4-3000	16		B	3	17	Triode No. 2.
1H2	1.5	BS0-0000	0	55	A	4	32	Cap connects to plate.
1H4	2.0	HS5-3000	40		B	3	23	
1H5	1.5	HS0-3000	16		B	3	7	Triode sect. Cap connects to grid.
1H6	1.5	HS0-5000	0	0	A	2	40	Diode sect.
1H6	2.0	HS6-3000	23		B	3	14	Triode sect.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
1H6	2.0	HS6-5000	0	11	A	2	40	Diode No. 1.
1H6	2.0	HS6-4000	0	21	A	2	40	Diode No. 2.
1J3	1.1	HS0-0000	0	0	A	4	38	Cap connects to plate.
1J5	2.0	HS5-3400	45		B	3	24	
1J6	2.0	HS5-6000	15		B	3	25	Triode No. 1.
1J6	2.0	HS4-3000	15		B	3	25	Triode No. 2.
1K3	1.1	HS0-0000	0	0	A	4	38	Cap connects to plate.
1L4	1.5	HR6-2300	19		B	3	26	
1L6	1.5	BX4-5362	65		B	3	16	
1LA4	1.5	JR6-2300	43		B	3	20	
1LA6	1.5	JR4-5362	75		B	3	14	
1LB4	1.5	JR6-2300	51		B	3	23	
1LB6	1.5	JR6-2437	Short test only.					
1LB6	1.5	JR6-4375	20		B	3	19	
1LC5	1.5	JR6-2340	0		B	(#)	19	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1LC6	1.5	JR6-2534	Short test only.					
1LC6	1.5	JR4-3526	30		B	(#)	14	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1LD5	1.5	JR6-2300	0		B	(#)	15	Pentode sect.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1LD5	1.5	JR6-4300	0	0	A	2	25	Diode sect.
1LE3	1.5	JR6-2050	20		B	3	30	
1LF3	1.5	JR6-2050	20		B	3	30	
1LG5	1.5	JR6-2340	25		B	3	26	
1LH4	1.5	JR6-2000	16		B	3	7	Triode sect.
1LH4	1.5	JR6-4000	0	0	A	2	40	Diode sect.
1LN5	1.5	JR6-2340	11		B	3	19	
1M3	1.5	EV1-8000	0		D	4		Adjust bias to vary bar length. Do not adjust bias below 25.
1N2	1.1	HS0-0000	0	68	A	4	40	Cap connects to plate.
1N5	1.5	HS0-3400	11		B	3	19	Cap connects to grid.
1N6	1.5	HS5-3400	43		B	3	20	Pentode sect.
1N6	1.5	HS0-6000	0	0	A	2	18	Diode sect.
1P5	1.5	HS0-3400	11		B	3	20	Cap connects to grid.
1Q5	1.5	HS5-3400	37		B	3	53	
1Q6*	1.1	EV2-7800	0		B	(#)	8	F biasing. Pentode sect.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1Q6*	1.1	EV0-6000	0	0	A	2	10	F basing. Diode sect.
1R4	1.5	JR0-4070	0	27	A	2	40	Diode.
1R5	1.5	LX4-3062	68		B	3	13	
1S2A	1.5	BS0-0000	0	69	A	4	32	Cap connects to plate.
1S4	1.5	BX3-2400	31		B	(#)	38	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1S5	1.5	BX6-5400	13		B	(#)	13	Pentode sect.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1S5	1.5	BX0-3400	0	0	A	2	34	Diode sect.
1S6*	1.1	EV3-1806	0		B	(#)	9	F basing. Pentode sect.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1S6*	1.1	EV0-6000	0	0	A	2	10	F basing. Diode sect.
1SA6	1.5	HS4-8630	0		B	(#)	20	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1SB6	1.5	HS8-3400	0		B	(#)	16	Pentode sect.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1SB6	1.5	HS8-5000	0	0	A	2	20	Diode sect.
1T4	1.5	BX6-2300	0		B	(#)	19	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1T5	1.5	HS5-3400	45		B	3	29	
1T6*	1.1	EV3-1860	0		B	(#)	5	F basing. Pentode sect.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
1T6*	1.1	EV0-6000	0	0	A	2	10	F basing. Diode sect.
1U4	1.5	BX6-2300	14		B	3	22	
1U5	1.5	BX6-2300	34		B	3	13	Pen tode sect.
1U5	1.5	BX6-4300	0	0	A	2	34	Diode sect.
1U6	1.5	BX4-5362	65		B	3	12	
1V	6.3	ER0-2030	0	53	A	7	40	
1V2	0.6	E V0-1000	0	49	A	4	40	
1V5*	1.1	EV2-7800		24	B	(#)	18	F basing.
#Hold down pushbutton 2- DIODE and press pushbutton 3-MUT. COND.								
1V6	1.1	EX3-1206	33	0	A	4	20	Pen tode sect.
1V6	1.1	EX5-6001	50	0	A	4	20	Triode sect.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
1W4	1.5	BX6-2300	49		B	3	23	
1W5*	1.1	EV2-7800	33		B	3	12	F basing.
1X2	1.5	BS0-0000	0	68	A	4	40	Cap connects to plate.
1Z2	1.5	BS0-0000	0	53	A	4	40	Cap connects to plate.
2A3	2.5	ER3-2000	67		C	3	38	
2A4	2.5	HS5-3000	(#)	60	A	7	40	
#Should strike between settings 86 and 76 of the BIAS dial.								
2A5	2.5	GR4-2350	29		B	3	50	
2A6	2.5	GR0-2050	11		B	3	19	Triode sect. Cap connects to grid.
2A6	2.5	GR0-4050	0	14	A	2	40	Diode No. 1.
2A6	2.5	GR0-3050	0	14	A	2	40	Diode No. 2.
2A7	2.5	HR5-3462	41		B	3	29	Cap connects to grid No. 4.
2AF4	2.5	ET2-1050	36		D	3	23	
2B3	1.5	HS0-0000	0	68	A	4	40	Cap connects to plate.
2B4	2.5	FR3-2040	(#)	90	A	4	40	
#Should strike between settings 82 and 72 of the BIAS dial.								
2B6	2.5	HR4-2360	15		B	3	38	
2B7	2.5	HR0-2360	30		B	2	25	Pentode sect. Cap connects to grid.
2B7	2.5	HR0-5360	0	14	A	2	40	Diode No. 1.
2B7	2.5	HR0-4360	0	14	A	2	40	Diode No. 2.
2B22	6.3	HS0-0080	0	50	A	7	40	Cap connects to plate.
2B23	6.3	HS0-3080	0	0	A	6	20	
2BN4	2.0	ET2-5010	15		D	3	34	
2BN4A	2.0	ET2-5010	20		D	3	32	
2C4	2.5	HR3-5050	(#)	90	A	4	40	
#Should strike between settings 81 and 71 of the BIAS dial.								
2C21	6.3	HR4-5060	38		B	3	34	Triode No. 1.
2C21	6.3	HR0-3020	38		B	3	34	Triode No. 2. Cap connects to grid.
2C22	6.3	HS0-0080	13		C	3	38	Upper cap connects to grid. Lower cap connects to plate.
2C26	6.3	HS0-0080	18		B	3	38	Right caps connects to plate. Left cap connects to grid.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
2C39	6.3	HS6-5080	18		E	3	50	TV-7/U, TV-7A/U, TV-7B/U ONLY.
			Use adapter E107.					
2C39	6.3	HS6-5080	78	0	F	3	50	TV-7D/U ONLY.
2C40	6.3	HS0-0080	17		C	3	35	Cap connects to plate.
2C42	6.3	HS0-0080	10		D	3	38	Cap connects to plate. Ring connects to grid.
2C43	6.3	H S0-0080	17		C	3	56	Ring connects to grid. Cap connects to plate. Ring connects to grid.
2C45	7.5	ER3-2000	37		B	3	55	
2C46	6.3	H S0-0080	9		B	3	24	Cap connects to plate. Ring connects to grid.
2C50	12.6	HY1-2030	41		B	3	45	Triode No. 1.
2C50	12.6	HY4-5060	41		B	3	45	Triode No. 2.
2C51	6.3	KR7-6082	17		D	3	26	Triode No. 1.
2C51	6.3	KR3-4028	17		D	3	26	Triode No. 2.
2C52	12.6	HY4-5062	15		B	3	25	Triode No. 1.
2C52	12.6	HY1-2035	15		B	3	25	Triode No. 2.
2C53	6.3	HS5-0080	0		B	3	10	Cap connects to plate.
2CW4	2.0	DR4-2080	16		D	3	44	Use Hickok adapter Code No. 1050-127.
2CY5	2.5	ET1-5620	11		D	(#)	25	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND								
2D21	6.3	ET 1-6025	(#)	90	A	4	40	
#Should strike between settings 40 and 30 of the BIAS dial								
2EA5	2.5	ET1-5620	10		D	3	26	
2EN5	2.0	ET0-7056	0	55	A	2	30	Diode No. 1.
2EN5	2.0	ET0-2056	0		D	3	49	Diode No. 2.
2ER5	2.0	ET2-5670	10		D	3	49	
2E5	2.5	GR5-4030	0	100	A	3		Eye open.
2E5	2.5	GR5-4230	0	100	A	3		Eye closed.
2E22	6.3	FR3-0240	0		C	3	50	Cap connects to plate.
2E24	6.3	HS5-0300	35		C	3	40	Cap=P. Short on 3.
2E25	6.3	HS5-0408	0		C	3	38	Cap=P.
2E26	6.3	HS5-0318	37		C	3	44	Cap=P.
2E30	6.3	ET1-5602	20		C	3	38	
2E31	1.1	DV4-1200	0		B	(#)	10	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND								
2E32	1.1	DV4 1200	0		B	(#)	10	

DA TA TA BLE—Continued

Tube type	*Fila-ment*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Mini-mum value*	*Notations*
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
2E35	1.1	DV4-1200	18		B	(#)	15	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
2E36	1.1	D V4-1200	18		B	(#)	15	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
2E41	1.1	EW5-1200	20		B	(#)	10	Pentode sect.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
2E41	1.1	EW0-3000	0	0	A	2	5	Diode sect.
2E42	1.1	EW5-1200	20		B	(#)	10	Pentode sect.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
2E42	1.1	EW0-3000	0	0	A	2	5	Diode sect.
2ES5	2.5	ET2-5010	12		D	3	35	
2EV5	2.5	ET1-5620	10		D	3	43	
2FH5	2.5	ET2-5070	13		D	3	40	
2FQ5	2.5	ET2-5070	15		D	3	42	
2FS5	2.5	ET1-5670	10		D	3	30	
2FY5	2.5	ET2-5016	14		D	3	50	
2G21	1.1	EX3-2651	53	0	A	4	20	Heptode sect.
2G21	1.1	EX3-1000	50	0	A	4	40	Triode sect.
2G22	1.1	EX3-2651	53	0	A	4	20	Heptode sect.
2G22	1.1	EX3 1000	50	0	A	4	40	Triode sect.
2GK5	2.5	ET2-5076	30		C	3	38	
2T4	2.5	ET2-1050	37		D	3	25	
2V2	2.5	HS0-0050	0	45	A	4	40	Cap connects to plate. Short on 3.
2V3	2.5	HS0-0000	0	68	A	4	40	Cap connects to plate.
2W3	2.5	JS0-4000	0	0	A	7	40	
2X2A	2.5	ER0-0000	0	78	A	4	40	Cap connects to plate.
2Z2	2.5	ER0-2000	0	0	A	7	34	
3A2	3.0	BS0-0000	0	76	A	4	40	Cap connects to plate.
3A3	3.0	HS0-0000	0	62	A	4	40	Cap connects to plate.
3A4	2.5	BX4-2300	33		B	3	50	
3A5	3.0	BX5-6000	32		B	3	50	Triode No. 1.
3A5	3.0	BX3-2000	22		B	3	50	Triode No. 2.
3A8	2.5	HS0-3400	12		B	3	19	Pentode sect. Cap connects to grid No. 1. Short on 3.
3A8	2.5	H S5-6400	12	00	B	3	13	Triode sect. Short on 3.
3A8	2.5	HS0-8400	0	0	A	2	40	Diode sect. Short on 3.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
3AF4A	3.0	ET2-1050	36		D	3	23	
3AL5	3.0	ET0-7010	0	70	A	2	40	Diode No. 1.
3AL5	3.0	ET0-2050	0	70	A	2	40	Diode No. 2.
3AU6	3.0	ET1-5672	16		B	3	58	
3AV6	3.0	ET1-7025	12		B	3	32	Triode sect.
3AV6	3.0	ET1-6025	0	0	A	2	40	Diode No. 1.
3AV6	3.0	ET1-5027	0	0	A	2	40	Diode No. 2.
3AW3	3.0	HS0-0000	0	62	A	4	40	Cap connects to plate.
3B2	3.0	HS0-0000	0	54	A	4	40	Cap connects to plate. Short on 3.
3B4	2.5	EV3-7100	55		B	3	43	
3B5	2.5	HS5-3400	60		B	3	38	
3B7	2.5	JR6-7000	12		B	3	38	Triode No. 1.
3B7	2.5	JR3-2000	25		B	3	38	Triode No. 2.
3B24	2.5	ER0-0000	0	84	A	4	40	Cap connects to plate. 1st half of fil.
3B24	2.5	CR0-0000	0	84	A	4	40	Cap connects to plate. 2d half of fil.
3B25	2.5	ER0-0000	0	90	A	4	40	Cap connects to plate.
3B26	2.5	ER0-0000	0	90	A	4	40	Cap connects to plate.
3B29	3.0	ER0-0000	0	87	A	4	40	Cap connects to plate.
3BA6	3.0	ET1-5672	9		C	3	41	
3BC5	3.0	ET1-5620	0		C	3	40	
3BE6	3.0	ET7-5621		Short test only.				
3BE6	3.0	ET1-6027	17		D	3	36	
3BN4	3.0	ET2-5010	15		D	3	34	
3BN4A	3.0	ET2-5010	20		D	3	32	
3BN6	3.0	ET2-7516	0		B	3	18	Limited grid.
3BN6	3.0	ET6-7512	0		B	3	23	Quadrature grid.
3BU8	3.0	EV7-8219	0		B	3	33	Pentode No. 1.
3BU8	3.0	EV7-3216	0		B	3	33	Pentode No. 2.
3BX6	3.0	EV2-7819	13		C	3	38	
3BY6	3.0	ET1-5627	21		B	3	30	Grid No. 1.
3BY6	3.0	ET7-5621	21		B	(#)	13	Grid No. 3.

#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.

3BZ6	3.0	ET1-5627	20		C	3	32	
3C2	3.0	HS0-0000	0	72	A	4	40	Cap connects to plate.
3C4	2.5	BX6-2300	44		B	3	28	
3C6	2.5	BY5-6000	10		B	3	28	Triode No. 1.
3C6	2.5	JR4-3000	10		B	3	28	Triode No. 2.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
3C22	6.3	HS0-0000	13	....	D	3	25	Short on 3.
		Radiating fins connect to plate. Center ring connects to grid						
3C24	6.3	E R0-0000	0	..	B	3	25	Top cap connects to plate. Slide cap connects to grid.
3CB6	3.0	ET1-5627	11		D	3	28	
3CE5	3.0	ET1-5620	11		D	3	28	
3CF6	3.0	ET1-5627	11	.....	D	3	28	
3C86	3.0	ET1-5627	20	.....	B	(#)	8	Grid No. 1.
		#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.						
3C86	3.0	ET7-5621	0	.....	B	(#)	12	Grid No. 3.
		#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.						
3CY5	3.0	ET1-5620	11	.....	D	(#)	25	
		#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.						
3D21A	12.6	H56-0480	30		D	3	26	Short on 3.
3D6	2.5	JR6-2300	37		B	3	52	
3DG4	3.0	DR0-7000	0	36	A	7	80	Diode No. 1.
3DG4	3.0	DR0-5000	0	36	A	7	80	Diode No. 2.
3DK6	3.0	ET1-5627	8		D	3	33	
3DT6	3.0	ET1-5627	22		B	3	15	Grid No. 1
3DT6	3.0	ET7-5621	0	..	B	(#)	10	Grid No. 3.
		#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.						
3EA5	3.0	ET1-5620	10	.....	D	3	26	
3ER5	3.0	ET2-5670	10		D	3	49	
3EV5	3.0	ET1-5620	10	.....	D	3	43	
3E5	2.5	BX6-2350	29		B	(#)	30	Short on 3.
		#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.						
3E6	3.0	JR6-2340	15		B	3	40	
3E29	6.3	HS4-5613	0		D	3	20	Plate No. 1.
					Use adapter E105.			
3E29	6.3	HS4-8613	0		D	3	20	Plate No. 2.
					Use adapter E105.			
3FH5	3.0	E T2-5070	13	... ...	D	3	40	
3FQ5	3.0	ET2-5070	15		D	3	42	
3FY5	3.0	ET2-5070	14		D	3	50	
3GK5	3.0	ET2-5076	30	.....	C	3	38	
3GS8	3.0	E V7-8219	0	.....	B	3	28	Pentode No. 1.
3GS8	3.0	E V7-3216	0	....	B	3	28	Pentode No. 2.
3LE4	2.5	JR6-2300	55	.....	B	3	28	
3LF4	2.5	JR6-2300	30		B	3	48	
3Q4	3.0	HR3-2400	24		B	3	54	
3Q5	2.5	HS5-3400	38	.....	B	3	45	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
3S4	2.5	H R3-2400	28		B	(#)	38	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND							
3V4	3.0	BX6-2300	31		B	3	50	
4A6	3.0	HS5-6000	16		B	3	25	Triode No. 1.
4A6	3.0	CX4-3000	16		B	3	25	Triode No. 2.
4AU6	4.3	ET1-5672	16		B	3	58	
4AV6	4.3	ET1-7025	12		B	3	32	Triode sect.
4AV6	4.3	ET1-6025	0	0	A	2	40	Diode No. 1.
4AV6	4.3	ET1-5027	0	0	A	2	40	Diode No. 2.
4BA6	4.3	ET1-5672	9		C	3	41	
4BC5	4.3	ET1-5620	0		C	3	40	
4BC8	4.3	EV7-6089	15		D	3	31	Triode No. 1.
4BC3	4.3	EV2-1039	15		D	3	31	Triode No. 2.
4BE6	4.3	ET7-5621			Short test only			
4BE6	4.3	ET1-6027	17		D	3	36	
4BL8	4.3	EV2 -6371	19		C	3	34	Pentode sect.
4BL8	4.3	EV9- 1086	34		C	3	36	Triode sect.
4BN4	4.3	ET2-5010	15		D	3	34	
4BN6	4.3	ET2-7516	0		B	3	18	Limiter grid.
4BN6	4.3	ET6-7512	0		B	3	23	Quadrature grid
4BQ7A	4.3	EV7-6089	14		D	3	32	Triode No. 1.
4BQ7A	4.3	EV2-1039	14		D	3	32	Triode No. 2.
4BS8	4.3	EV7-6089	17		D	3	36	Triode No. 1.
4BS8	4.3	EV2-1039	17		D	3	36	Triode No. 2.
4BU8	4.3	EV7 -8219	0		B	3	33	Pentode No. 1.
4BU8	4.3	EV7-3216	0		B	3	33	Pentode No. 2.
4BX8	4.3	EV7-6089	24		D	3	25	Triode No. 1.
4BX8	4.3	EV2-1039	24		D	3	25	Triode No. 2.
4BZ6	4.3	ET 1-5627	20		C	3	32	
4BZ7	4.3	EV7-6089	17		D	3	34	Triode N o. 1.
4BZ7	4.3	EV2-1039	17		D	3	34	Triode No. 2.
4BZ8	4.3	EV7-6089	16		D	3	30	Triode No. 1.
4BZ8	4.3	EV2-1039	16		D	3	30	Triode No. 2.
4CB6	4.3	ET1-5627	11		D	3	28	
4CE5	4.3	ET1 -5620	11		D	3	28	
4CS6	4.3	ET1 -5627	20		B	(#)	8	Grid No. 1.
4CS6	4.3	ET7-5621	0		B	(#)	12	Grid No. 3.
4CY5	4.3	ET1-5620	11		D	(#)	25	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
4DE6	4.3	ET1-5627	11		D	3	28	
4DT6	4.3	ET1-5627	22		B	3	15	Grid No. 1.
4DT6	4.3	ET7-5621	0		B	(#)	10	Grid No. 3.
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
4ES8	4.3	EV7-6080	20		D	3	50	Triode No. 1.
4ES8	4.3	EV2-1030	20		D	3	50	Triode No. 2.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
4EW6	4.3	ET1-5627	26		B	3	52	
4GS8	4.3	EV7-8219	0		B	3	28	Pentode No. 1.
4GS8	4.3	EV7-3216	0		B	3	28	Pentode No. 2.
5A6	5.0	EV7-1603	46		C	3	38	
5AM8	5.0	EV2-6319	7		D	3	25	Pentode sect.
5AM8	5.0	EV0-8070	0	70	A	2	40	Diode sect.
5AN8	5.0	EV8-6791	7		D	3	31	Pentode sect.
5AN8	5.0	EV2-1736	21		C	3	42	Triode sect.
5AQ5	5.0	ET1-5620	21		C	3	46	
5AR4	5.0	JS0-6000	0	70	A		40	Plate No. 1.
5AR4	5.0	JS0-4000	0	70	A		40	Plate No. 2.
5AS4	5.0	JS0-6000	0	47	A		40	Plate No. 1.
5AS4	5.0	JS0-4000	0	42	A		40	Plate No. 2.
5AS8	5.0	EV2-9137	11		D	3	28	Pentode sect.
5AS8	5.0	EV0-6087	0	70	A	2	40	Diode sect.
5AT8	5.0	EV9-6738	9		D	3	23	Pentode sect.
5AT8	5.0	EV1-2038	15		D	3	23	Triode sect.
5AU4	5.0	JS0-6000	0	58	A		40	Plate No. 1.
5AU4	5.0	JS0-4000	0	53	A		40	Plate No. 2.
5AV8	5.0	EV6-9870	7		D	3	31	Pentode sect.
5AV8	5.0	EV2-3010	21		C	3	42	Triode sect.
5AW4	5.0	JS0-6004	0	50	A	7	40	Plate No. 1.
5AW4	5.0	JS0-4006	0	45	A	7	40	Plate No. 2.
5AX4	5.0	JS0-6000	0	0	A		40	Plate No. 1.
5AX4	5.0	JS0-4000	0	0	A		40	Plate No. 2.
5AZ4	5.0	JS0-4006	0	0	A	7	40	Plate No. 1.
5AZ4	5.0	JS0-6004	0	0	A	7	40	Plate No. 2.
5B8	5.0	EV6-9871	7		D	3	31	Pentode sect.
5B8	5.0	EV2-3019	24		C	3	42	Triode sect.
5BE8	5.0	EV9-6783	20		B	3	57	Pentode sect. Short on 2 and 3.
5BE8	5.0	EV1-2030	16		C	3	57	Triode sect.
5BK7A	5.0	EV7-6089	8		D	3	43	Triode No. 1.
5BK7A	5.0	EV2-1039	8		D	3	43	Triode No. 2.
5BQ7A	5.0	EV7-6089	14		D	3	32	Triode No. 1.
5BQ7A	5.0	EV2-1039	14		D	3	32	Triode No. 2.
5BR8	5.0	EV9-6780	15		B	3	57	Pentode sect.
5BR8	5.0	EV1-2030	16		C	3	57	Triode sect.
5BS8	5.0	EV7-6089	17		D	3	36	Triode No. 1.
5BS8	5.0	EV2-1039	17		D	3	36	Triode No. 2.
5BT8	5.0	EV8-6790	11		D	3	28	Pentode sect.
5BT8	5.0	EV0-1030	0	50	A	2	40	Diode No. 1.
5BT8	5.0	EV0-2030	0	50	A	2	40	Diode No. 2.
5BW8	5.0	EV6-9870	15		B	3	57	Pentode sect.
5BW8	5.0	EV0-3020	0	70	A	2	40	Diode No. 1.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
5BW8	5.0	EV0-1020	0	70	A	2	40	Diode No. 2.
5BZ7	5.0	EV7-6089	17		D	3	34	Triode No. 1.
5BZ7	5.0	EV2 1039	17		D	3	34	Triode No. 2.
5CG8	5.0	EV9-6780	9		D	3	23	Pentode sect.
5CG8	5.0	EV1-2030	15		D	3	23	Triode sect.
5CL8	5.0	E V9-6780	8		D	3	20	Tetrode sect.
5CL8	5 0	EV1-2030	12		D	3	35	Triode sec t.
5CM6	5.0	EV3-9170	21		C	3	46	
5CM8	5.0	EV2 6730	11		D	3	28	Pentode sect.
5CM8	5.0	EV9-1080	18		B	3	25	Triode sect.
5CQ8	5 0	EV2 6370	18		C	3	38	Tetrode sect.
5CQ8	5.0	EV9-1080	22		C	3	44	Triode sect.
5CU4	5.0	JS0-6010	0	70	A	7	32	Plate No. 1.
5CU4	5.0	JS0-4010	0	70	A	7	32	Plate No. 2.
5CZ5	5.0	EV3-9170	15		C	3	60	
5DH8	5.0	EV9-6738	10		D	3	26	Pentode sect.
5DH8	5.0	EV1-2030	27		B	3	47	Triode sect.
5DJ4	5.0	JS0-6000	0	50	A	7	40	Plate No. 1.
5DJ4	5.0	JS0-4000	0	44	A	7	40	Plate No. 2.
5EA8	5.0	EV2-6370	0		D	3	28	Pentode sect.
5EA8	5.0	EV9-1080	10		D	3	46	Triode sect.
5EH8	5.0	EV7-9860	22		B	3	53	Pentode sect.
5EH8	5.0	EV2-3010	24		C	3	51	Triode sect.
5ES8	5.0	EV7-6080	20		D	3	50	Triode No. 1.
5ES8	5.0	EV2-1030	20		D	3	50	Triode No. 2.
5EU8	5.0	EV7-1980	0		D	3	28	Pentode sect.
5EU8	5.0	EV2-3060	10		D	3	46	Triode sect.
5EW6	5.0	ET1-5627	26		B	3	52	
5FG7	5.0	EV9-6780	19		C	3	36	Pentode sect.
5FG7	5.0	EV1-2030	29		C	3	35	Triode sect
5FV8	5 0	EV9-6780	10		C	3	50	Pentode sect.
5FV8	5 0	EV1-2030	16		D	3	38	Triode sect.
5GH8	5.0	EV2-6370	19		C	3	38	Pentode sect.
5GH8	5.0	EV9-1080	13		D	3	42	Triode sect.
5J6	5.0	ET5-2070	18		D	3	23	Triode No. 1.
5J6	5.0	ET6-1070	15		D	3	23	Triode No. 2.
5R4	5.0	JS0-6000	0	39	A	7	40	Plate No. 1
5R4	5.0	JS0-4000	0	36	A	7	40	Plate No. 2.
5T4	5.0	JS0-6000	0	54	A	7	40	Plate No. 1.
5T4	5.0	JS0-4000	0	47	A	7	40	Plate No . 2.
5T8	5.0	EV8-9076	11		B	3	30	Triode sect.
5T8	5.0	EV0-6071	0	70	A	2	40	Diode No. 1.
5T8	5.0	EV0-2036	0	70	A	2	40	Diode No. 2.
5T8	5.0	EV0-1078	0	70	A	2	40	Diode No. 3.
5U4	5.0	JS0-6000	0	47	A	7	40	Plate No. 1.
5U4	5.0	JS0-4000	0	42	A	7	40	Plate No. 2.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
5U8	5.0	E V2-6370	15		B	3	57	Pentode sect.
5U8	5.0	EV9-1080	16		C	3	57	Triode sect.
5V3	5.0	JS0-6004	0	58	A	7	40	Plate No. 1.
5V3	5.0	JS0-4006	0	53	A	7	40	Plate No. 2.
5V4	5.0	J S0-6000	0	60	A	7	40	Plate No. 1.
5V4	5.0	JS0-4000	0	60	A	7	40	Plate No. 2.
5V6	5.0	H S5-3481	21		C	3	46	
5W4	5.0	JS0-6000	0	16	A	7	40	Plate No. 1.
5W4	5.0	JS0-4000	0	0	A	7	40	Plate No. 2.
5X3	5.0	E R0-3000	0	0	A	7	40	Plate No. 1.
5X3	5.0	E R0-2000	0	0	A	7	40	Plate No. 2.
5X4	5.0	HY0-5000	0	47	A	7	40	Plate No. 1.
5X4	5.0	HY0-3000	0	42	A	7	40	Plate No. 2.
5X8	5.0	EV7-9861	9		D	3	23	Pen tode sect
5X8	5.0	EV2-3861	15		D	3	23	Triode sect.
5Y3	5.0	JS0-6000	0	0	A	7	40	Plate No. 1.
5Y3	5.0	JS0-4000	0	0	A	7	40	Plate No. 2.
5Y4	5.0	HY0-5000	0	0	A	7	40	Plate No. 1.
5Y4	5.0	HY0-3000	0	0	A	7	40	Plate No. 2.
5Z3	5.0	ER0-3000	0	47	A	7	40	Plate No. 1.
5Z3	5.0	ER0-2000	0	42	A	7	40	Plate No. 2.
5Z4	5.0	JS0-6000	0	64	A	7	40	Plate No. 1.
5Z4	5.0	JS0-4000	0	64	A	7	40	Plate No. 2.
6A3	6.3	E R3-2000	67		C	3	38	
6A4	6.3	F R3-2400	28		B	3	50	
6A5	6.3	HS5-3000	67		C	3	38	
6A6	6.3	HR5-6040	12		B	3	38	Triode No. 1.
6A6	6.3	H R3-2040	12		B	3	38	Triode No. 2.
6A7	6.3	H R5-3462	41		B	3	29	Cap connects to grid No. 4.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6A8	6.3	HS5-4683	41	——	B	3	29	Cap connects to grid No. 4.
6AB4	6.3	ET6-1070	10	——	C	3	50	
6AB5	6.3	GR6-4030	0	100	A	3	——	Eye open.
6AB5	6.3	GR5-4230	0	100	A	3	——	Eye closed
6AB6	6.3	HS5-3480	0	——	B	3	37	
6AB7	6.3	HS4-8653	0	——	C	3	44	
6AB8	6.3	EV9-6837	24	——	C	3	35	Pentode sect.
6AB8	6.3	EV2-1030	35	——	B	3	20	Triode sect.
6AC5	6.3	HS5-3080	0	——	B	3	21	
6AC6	6.3	HS5-3480	0	——	B	3	60	
6AC7	6.3	HS4-8653	10	——	D	3	30	
6AD4*	6.3	DU2-1050	28	——	B	3	18	C basing.
6AD4*	6.3	DW1-8050	28	——	B	3	18	F basing.
6AD6	6.3	HS4-3580	0	100	A	3	——	Eye 1 open. Eye 2 closed.
6AD6	6.3	HS3-4580	0	100	A	3	——	Eye 2 open. Eye 1 closed.
6AD7	6.3	HS5-3486	29	——	B	3	50	Pentode sect.
6AD7	6.3	HS1-6083	0	——	B	3	15	Triode sect.
6AE5	6.3	HS5-3080	68	——	B	3	80	
6AE6	6.3	HS5-4083	0	——	B	3	22	Triode No. 1.
6AE6	6.3	HS5-3084	0	——	B	3	19	Triode No. 2.
6AE7	6.3	HS6-3084	33	——	B	3	38	Triode No. 1.
6AE7	6.3	HS4-3056	33	——	B	3	38	Triode No. 2.
6AF3	6.3	EV0-0820	0	38	A	(#)	60	Cap connects to plate
#Hold down pushbutton 8-METER REV. and press pushbutton 7-RECT.								
6AF4	6.3	ET2-1050	36	——	D	3	23	
6AF5	6.3	HS5-3080	51	——	B	3	38	
6AF6	6.3	HS4-3580	0	100	A	3	——	Eye 1 open. Eye 2 closed.
6AF6	6.3	HS3-4580	0	100	A	3	——	Eye 2 open. Eye 1 closed.
6AG5	6.3	ET1-5620	10	——	D	3	20	
6AG7	6.3	HS4-8651	10	——	D	3	30	
6AH4	6.3	HS1-5080	47	——	C	3	57	
6AH5	6.3	HS6-4180	23	——	D	3	25	
6AH6	6.3	ET1-5672	10	——	D	3	30	
6AH7	6.3	HY5-6043	20	——	B	3	50	Triode No. 1.
6AH7	6.3	HY1-3026	20	——	B	3	50	Triode No. 2.
6AJ4	6.3	J X1-5020	9	——	D	3	50	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6AJ5	6.3	ET1-5620	12		D	(#)	14	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
6AJ7	6.3	HS4-8653	10		D	3	30	
6AJ8	6.3	EV2-6137	13		B	3	50	Tetrode sect.
6AJ8	6.3	EV9-8036	26		B	3	50	Triode sect.
6AK4*	6.3	DW1-8057	24		D	3	19	F basing.
6AK5	6.3	ET1-5620	10		D	3	22	
6AK6	6.3	ET1-5672	23		B	3	53	
6AK7	6.3	HS4-8651	10		D	3	30	
6AK8	6.3	EV8-9070	11		B	3	30	Triode sect.
6AK8	6.3	EV0-6070	0	0	A	2	40	Diode No. 1.
6AK8	6.3	EV0-2030	0	70	A	2	40	Diode No. 2.
6AK8	6.3	EV0-1070	0	70	A	2	40	Diode No. 3.
6AL3	6.3	EV0-0090	0	74	A	(#)	36	Cap connects to plate.
#Hold down pushbutton 8-METER REV. and press pushbutton 7-RECT.								
6AL5	6.3	ET0-7010	0	70	A	2	40	Diode No. 1.
6AL5	6.3	ET0-2050	0	70	A	2	40	Diode No. 2.
6AL6	6.3	HS5-0480	23		D	3	25	Cap connects to plate.
6AL7	6.3	HS6-3580	Vary	100	A	3		Bias controls left pattern.
6AL7	6.3	HS5-3480	Vary	100	A	3		Bias controls both patterns.
6AL7	6.3	HS4-3580	Vary	100	A	3		Bias controls right pattern.
6AM4	6.3	JX1-5020	10		D	3	35	
6AM5	6.3	ET1-5720	27		C	3	33	
6AM6	6.3	ET1-5726	10		D	3	25	
6AM8	6.3	EV2-6319	7		D	3	25	Pentode sect.
6AM8	6.3	EV0-8070	0	70	A	2	40	Diode sect.
6AN4	6.3	ET2-1050	6		D	3	40	
6AN5	6.3	ET1-5670	0		D	(#)	30	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
6AN6	6.3	HR0-5060	0	25	A	2	40	Diode No. 1.
6AN6	6.3	HR0-4060	0	25	A	2	40	Diode No. 2.
6AN6	6.3	HR0-3060	0	25	A	2	40	Diode No. 3.
6AN6	6.3	HR0-2060	0	25	A	2	40	Diode No. 4.
6AN8	6.3	EV8-6791	7		D	3	31	Pentode sect.
6AN8	6.3	EV2-1736	21		C	3	42	Triode sect.
6AQ4	6.3	ET1-7050	10		D	3	41	

DATA TA BLE—Continued

Tube type	*Fila-ment*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Mini-mum value*	*Notations*
6AQ5	6.3	ET1-5620	21		C	3	46	
6AQ6	6.3	ET1-7020	6		B	3	29	Triode sect.
6AQ6	6.3	ET0-6020	0	0	A	2	40	Diode No. 1.
6AQ6	6.3	ET0-5020	0	0	A	2	40	Diode No. 2.
6AQ7	6.3	HY4-5026	13		B	3	25	Triode sect.
6AQ7	6.3	HY4-1026	0	30	A	2	40	Diode No. 1.
6AQ7	6.3	HY4-3026	0	30	A	2	40	Diode No. 2.
6AQ8	6.3	EV7-6089	10		C	3	50	Triode No. 1.
6AQ8	6.3	EV2-1039	10		C	3	50	Triode No. 2.
6AR5	6.3	ET1-5620	34		B	3	40	
6AR6	6.3	GY7-3510	34		D	3	27	
6AR8	6.3	EV6-9372	25		B	3	35	Plate No. 1.
6AR8	6.3	EV6-8372	25		B	3	35	Plate No. 2.
6AR11	6.3	BS4-8937	12		C	3	51	Pentode No. 1. (#)
	#Use Hickok Adapter Model 1704. Set Adapter Selectors to 4-3-2.							
6AR11	6.3	BX5-2364	12		C	3	51	Pentode No. 2. (#)
	#Use Hickok Adapter Model 1704. Set Adapter Selectors to 0-0-7.							
6AS5	6.3	ET2-7610	25		D	3	28	
6AS6	6.3	ET1-5627	14		B	3	44	
6AS7	6.3	HY4-5062	100		C	3	36	Triode No. 1.
6AS7	6.3	HY1-2035	100		C	3	36	Triode No. 2.
6AS8	6.3	EV2-9137	11		D	3	28	Pentode sect.
6AS8	6.3	EV0-6087	0	70	A	2	40	Diode sect.
6AT6	6.3	ET1-7020	18		B	3	30	Triode sect.
6AT6	6.3	ET1-6020	0	0	A	2	40	Diode No. 1.
6AT6	6.3	ET1-5020	0	0	A	2	20	Diode No. 2.
6AT8	6.3	EV9-6738	9		D	3	23	Pentode sect.
6AT8	6.3	EV1-2038	15		D	3	23	Triode sect.
6AU4	6.3	HY0-5030	0	66	A	7	40	
6AU5	6.3	HS1-5830	41		C	3	36	
6AU6	6.3	ET1-5672	16		B	3	58	
6AU7	6.3	EV7-6080	24		B	3	56	Triode No. 1.
6AU7	6.3	EV2-1030	24		B	3	56	Triode No. 2.
6AU8	6.3	EV7-9860	10		D	3	30	Pentode sect.
6AU8	6.3	EV2-3010	9		D	3	25	Triode sect.
6AV5	6.3	HS1-5830	50		C	3	49	
6AV6	6.3	ET1-7025	12		B	3	32	Triode sect.
6AV6	6.3	ET1-6025	0	0	A	2	40	Diode No. 1.
6AV6	6.3	ET1-5027	0	0	A	2	40	Diode No. 2.
6AW7	6.3	HY2-6010	8		B	3	23	Triode sect.
6AW7	6.3	HY2-3050	0	65	A	2	40	Diode No. 1.
6AW7	6.3	HY2-4010	0	65	A	2	40	Diode No. 2.
6AW8	6.3	EV7-9863	14		D	3	38	Pentode sect.
6AW8	6.3	EV2-3019	9		D	3	20	Triode sect.
6AX4	6.3	HY0-5030	0	54	A	7	40	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6AX5	6.3	HS0 5083	0	12	A	7	40	Plate No. 1.
6AX5	6.3	HS0 3085	0	12	A	7	40	Plate No. 2.
6AX6	6.3	HS0-5080	0	65	A	7	40	Plate No. 1.
6AX6	6.3	HS0-3040	0	65	A	7	40	Plate No. 2.
6AX7	6.3	EV7 6080	12		B	3	32	Triode No. 1
6AX7	6.3	EV2 1030	12		B	3	32	Triode No. 2.
6AX8	6.3	EV2 6370	15		B	3	57	Pentode sect.
6AX8	6.3	EV9-1080	16		C	3	57	Triode sect
6AZ5	6.3	DW0 8070	0	60	A		40	Diode No. 1.
6AZ5	6.3	DW0 1020	0	60	A		40	Diode No. 2.
6AZ6*	6.3	DW0-2048	0	65	A	〉	40	F basing. Diode No 1
6AZ6*	6.3	DW0-7058	0	65	A		40	F basing. Diode No 2
6AZ8	6.3	EV6-1230	7		D	3	30	Pentode sect.
6AZ8	6.3	EV9 8070	21		C	3	42	Triode sect.
6B4	6.3	HS5-3000	67		C	3	38	
6B5	6.3	GR4 2350	0		B	3	38	
6B6	6.3	HS0 3080	11		B	3	19	Triode sect. Cap connects to grid
6B6	6.3	HS0-5080	0	14	A	2	40	Diode No. 1.
6B6	6.3	HS0-4080	0	14	A	〉	40	Diode No. 2.
6B7	6.3	HR0-2360	30		B	3	25	Pentode sect. Cap connects to grid.
6B7	6.3	HR0-5360	0	14	A	2	40	Diode No. 1.
6B7	6.3	HR0-4360	0	14	A	2	40	Diode No. 2.
6B8	6.3	HS0-3681	24		B	3	29	Pentode sect. Cap connects to grid.
6B8	6.3	HS0-5681	0	14	A	2	40	Diode No. 1.
6B8	6.3	HS0-4681	0	14	A	〉	40	Diode No. 2.
6B10	6.3	BV3-4020	29		C	3	28	Triode No. 1 (#).
	#Use Hickok Adapter Model 1704. Set Adapter Selectors to 0-0-5.							
6B10	6.3	BS5-6070	29		C	3	28	Triode No. 2 (#).
	#Set Adapter Selectors to 0-0-2.							
6B10	6.3	BS0-8090	0	53	A	2	40	Diode No. 1 (#).
	#Set Adapter Selectors to 0-0-2.							
6B10	6.3	BS0-8090	0	53	A	〉	40	Diode No. 2 (#).
	#Set Adapter Selectors to 8-0-2.							
6BA5*	6.3	DW1-5780	16		B	3	54	F basing.
6BA6	6.3	ET1-5672	9		C	3	41	
6BA7	6.3	EV7-9136			Short test only.			
6BA7	6.3	EV2-1037	10		D	3	40	
6BA8	6.3	EV7-9860	11		D	3	30	Pentode sect.
6BA8	6.3	EV2-3010	29		C	3	34	Triode sect.
6BC4	6.3	EV2-1060	10		D	3	50	

DATA TA BLE—Continued

Tube type	*Fila-ment*	*Selectors*	*Bias*	*Shu nt*	*Ra n ge*	*Press*	*Min i-mum value*	*Notations*
6BC5	6.3	ET1-5620	0		C	3	40	
6BC7	6.3	EV0-8090	0	71	A	2	40	Diode No. 1.
6BC7	6.3	EV0-6070	0	71	A	2	40	Diode No. 2.
6BC7	6.3	EV0-2010	0	71	A	2	40	Diode No. 3.
6BC8	6.3	EV7-6089	15		D	3	31	Triode No. 1.
6BC8	6.3	EV2-1039	15		D	3	31	Triode No. 2.
6BD5	6.3	II S1-5830	18		D	3	25	
6BD6	6.3	ET1-5672	19		B	3	50	
6BD11	6.3	BS6-8050	29		B	3	38	Triode No. 1 (#).
#Set Adapter Selectors to 0–0–2.								
6BD11	6.3	B S3-4070	24		B	3	54	Triode No. 2 (#).
#Set Adapter Selectors to 0–0–2.								
6BD11	6.3	B T5-2490	27		C	3	38	Pentode sect. (#).
#Use Hickok Adapter Model 1704. Set Adapter Selectors to 4–5–3.								
6BE6	6.3	ET7-5621			Short test only.			
6BE6	6.3	ET1-6027	17		D	3	36	
6BE7	6 3	EV7-1639	29		B	3	25	
6BE8	6.3	E V9-6783	20		B	3	57	Pentode sect. Short on 2 and 3.
6BE8	6.3	E V1-2030	16		C	3	57	Triode sect.
6BF5	6.3	ET1-5620	49		C	3	43	
6BF6	6.3	E T1-7020	18		B	3	48	Triode sect.
6BF6	6.3	ET1-6020	0	0	A	2	40	Diode No. 1.
6BF6	6.3	ET1-5020	0	0	A	2	40	Diode No. 2.
6BF7*	6.3	D W7-8050	22		C	3	31	F basing. Triode No. 1.
6BF7*	6.3	DW2-1040	22		C	3	31	F basing. Triode No.2.
6BF11	6.3	BS8-3490	31		D	3	33	Pentode No. 1 (#).
#Use I Hickok Adapter Model 1704. Set Adapter Selectors to 4–3–2.								
6BF11	6.3	B Y3-7625	26		B	3	10	Pentode No. 2 (#).
#Set Adapter Selectors to 0–0–8.								
6BG6	6.3	HS5-0830	18		D	3	30	Cap connects to plate.
6BG7*	6.3	DW7-8050	22		C	3	31	F basing. Triode No. 1.
6BG7*	6.3	D W2-1040	22		C	3	31	F basing. Triode No. 2.
6BH6	6.3	ET1-5627	15		B	3	50	
6BH8	6.3	E V7-9860	8		D	3	30	Pentode sect.
6BH8	6.3	E V2-3010	29		C	3	42	Triode sect.
6BJ6	6.3	ET1-5627	0		C	3	48	
6BJ7	6.3	EV0-8093	0	71	A	2	40	Diode No. 1.
6BJ7	6.3	E V0-6073	0	71	A	2	40	Diode No. 2.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6BJ7	6.3	EV0-2013	0	71	A	2	40	Diode No. 3.
6BJ8	6.3	EV8-7090	24		C	3	35	Triode sect.
6BJ8	6.3	EV0-6030	0	70	A	2	40	Diode No. 1.
6BJ8	6.3	EV0-1020	0	70	A	2	40	Diode No. 2.
6BK5	6.3	EV3 1860	0		D	3	28	
6BK6	6.3	ET1-7025	6		B	3	32	Triode sect.
6BK6	6.3	ET0-6025	0	40	A	2	40	Diode No. 1.
6BK6	6.3	ET0-5027	0	40	A	2	40	Diode No. 2
6BK7	6.3	EV7 6089	8		D	3	43	Triode No. 1.
6BK7	6.3	EV2-1039	8		D	3	43	Triode No. 1.
6BL4	6.3	HY0-1030	0	69	A	7	40	
6BL7	6.3	HY1-2030	24		D	3	25	Triode No. 1.
6BL7	6.3	HY4-5060	24		D	3	25	Triode No. 2.
6BL8	6.3	EV2-6371	19		C	3	34	Pentode sect.
6BL8	6.3	EV9-1086	34		C	3	36	Triode sect.
6BM8	6.3	EV3-6720	32		C	3	56	Pentode sect.
6BM8	6.3	EV1-9080	14		B	3	41	Triode sect.
6BN4	6.3	ET2-5010	15		D	3	34	
6BN4A	6.3	ET2-5010	20		D	3	32	
6BN6	6.3	ET2-7516	0		B	3	18	Limiter grid.
6BN6	6.3	ET6-7512	0		B	3	23	Quadrature grid.
6BN8	6.3	EV8-7090	15		D	3	13	Triode sect.
6BN8	6.3	EV0-6030	0	70	A	2	40	Diode No. 1.
6BN8	6.3	EV0-1020	0	70	A	2	40	Diode No. 2.
6BQ5	6.3	EV2-7930	30		C	3	50	
6BQ6	6.3	HS5-0480	50		C	3	56	Cap connects to plate
6BQ7	6.3	EV7-6080	17		D	3	26	Triode No. 1.
6BQ7	6.3	EV2-1030	17		D	3	26	Triode No. 2.
6BQ7A	6.3	EV7-6089	14		D	3	32	Triode No 1.
6BQ7A	6.3	EV2-1039	14		D	3	32	Triode No. 2.
6BR5	6.3	EV1-9020	60		D	3		Eye open.
6BR5	6.3	EV1-9020	10		D	3		Eye closed.
6BR7	6.3	EV2-7839	28		B	3	26	
6BR8	6.3	EV9-6780	15		B	3	57	Pentode sect.
6BR8	6.3	EV1-2030	16		C	3	57	Triode sect.
6BS7	6.3	EV0-7839	28		B	3	26	Cap connects to grid.
6BS8	6.3	EV7-6089	17		D	3	36	Triode No. 1.
6BS8	6.3	EV2-1039	17		D	3	36	Triode No. 2.
6BT6	6.3	ET1-7020	13		B	3	33	Triode sect.
6BT6	6.3	ET1-6020	0	40	A	2	40	Diode No. 1.
6BT6	6.3	ET1-5020	0	40	A	2	40	Diode No. 2.
6BT8	6.3	EV8-6790	11		D	3	28	Pentode sect.
6BT8	6.3	EV0-1030	0	50	A	2	40	Diode No. 1.
6BT8	6.3	EV0-2030	0	50	A	2	40	Diode No. 2.
6BU6	6.3	ET1-7020	34		B	3	38	Triode sect.

DATA TABLE—Continued

Tube type	*Fila-ment*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Mini-mum value*	*Notations*
6BU6	6.3	ET1-6020	0	40	A	2	40	Diode No. 1.
6BU6	6.3	ET1-5020	0	40	A	2	40	Diode No. 2.
6BU8	6.3	EV7-8219	0		B	3	33	Pentode No. 1.
6BU8	6.3	EV7-3216	0		B	3	33	Pentode No. 2.
6BV8	6.3	EV2-3010	18		D	3	28	Triode sect.
6BV8	6.3	EV0-9070	0	70	A	2	40	Diode No. 1.
6BV8	6.3	EV0-6080	0	70	A	2	40	Diode No. 2.
6BW4	6.3	EV0-7091	0	15	A	7	40	Plate No. 1.
6BW4	6.3	EV0-1097	0	15	A	7	40	Plate No. 2.
6BW6	6.3	EV2-7839	21		C	3	46	
6BW8	6.3	EV6-9870	15		B	3	57	Pentode sect.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6BW8	6.3	EV0–3020	0	70	A	2	40	Diode No. 1.
6BW8	6.3	EV0–1020	0	70	A	2	40	Diode No. 2.
6BX6	6.3	EV2–7819	13		C	3	38	
6BX7	6.3	HY4–5062	33		D	3	38	Triode No. 1.
6BX7	6.3	HY1–2035	33		D	3	38	Triode No. 2.
6BX8	6.3	EV7–6089	24		D	3	25	Triode No. 1.
6BX8	6.3	EV2–1039	24		D	3	25	Triode No. 2.
6BY5	6.3	HS0–4010	0	50	A	7	40	Plate No. 1.
6BY5	6.3	HS0–5080	0	50	A	7	40	Plate No. 2.
6BY6	6.3	ET1–5627	21		B	3	30	Grid No. 1.
6BY6	6.3	ET7–5621	21		B	(#)	13	Grid No. 3.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
6BY7	6.3	EV2–7819	14		D	3	23	
6BY8	6.3	EV 1–7892	16		B	3	58	Pentode sect.
6BY8	6.3	EV0–6030	0	70	A	2	40	Diode sect.
6BZ6	6.3	ET1–5627	20		C	3	32	
6BZ7	6.3	EV7–6089	17		D	3	34	Triode No. 1.
6BZ7	6.3	EV2–1039	17		D	3	34	Triode No. 2.
6BZ8	6.3	EV7–6089	16		D	3	30	Triode No. 1.
6BZ8	6.3	EV2–1039	16		D	3	30	Triode No. 2.
6C4	6.3	ET6–1070	24		B	3	55	
6C5	6.3	HS5–3080	21		B	3	50	
6C6	6.3	GR0–2354	21		B	3	31	Cap connects to grid.
6C7	6.3	HR0–2060	29		B	3	31	Triode Sect. Cap connects to grid.
6C7	6.3	HR0–5060	0	0	A	2	40	Diode No. 1.
6C7	6.3	HR0–4060	0	0	A	2	40	Diode No. 2.
6C8	6.3	HS5–6080	17		B	3	25	Triode No. 1.
6C8	6.3	HS0–3040	17		B	3	25	Triode No. 2. Cap connects to grid.
6CA4	6.3	EV0–7030	0	59	A	7	40	Plate No. 1.
6CA4	6.3	EV0–1030	0	59	A	7	40	Plate No. 2.
6CA5	6.3	ET2–7610	25		D	3	30	
6CA7	6.3	HS5–3481	25		D	3	30	
6CB5	7.5	HS4–0130	39		D	3	35	Cap = P.
6CB6	6.3	ET1–5627	11		D	3	28	
6CD6	6.3	HS5–0830	42		D	3	33	Cap connects to plate.
6CD7	6.3	HS4–5080	(#)	100	E	4		

#Connect a 1-megohm resistor from the plate jack to pin No. 3 of large 7 pin socket. Connect another 1-megohm resistor from plate jack to pin 6 of large 7 pin socket. Eye 1 closes at a bias of about 30. Eye 2 closes at a bias of about 55.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6CE5	6.3	ET1-5620	11		D	3	28	
6CF6	6.3	ET1-5627	11		D	3	28	
6CG7	6.3	EV7-6089	23		B	3	50	Triode No. 1.
6CG7	6.3	EV2-1039	23		B	3	50	Triode No. 2.
6CG8	6.3	EV9-6780	9		D	3	23	Pentode sect.
6CG8	6.3	EV1-2030	15		D	3	23	Triode sect.
6CH6	6.3	EV2-7839	0		D	3	46	
6CH7	6.3	EV7-6080	17		D	3	34	Triode No. 1.
6CH7	6.3	EV2-1030	17		D	3	34	Triode No. 2.
6CH8	6.3	EV7-2360	7		D	3	31	Pentode sect.
6CH8	6.3	EV8-9010	21		C	3	42	Triode sect.
6CJ6	6.3	EV2-0731	54		C	3	58	Cap connects to grid.
6CK4	6.3	HS1-5080	56		C	3	50	
6CK6	6.3	EV2-7136	5		D	3	50	
6CL5	6.3	HS5-0160	53		D	3	80	Cap connects to plate.
6CL6	6.3	EV2-6317	10		D	3	30	
6CL8	6.3	EV9-6780	8		D	3	20	Tetrode sect.
6CL8	6.3	EV1-2030	12		D	3	35	Triode sect.
6CM4	6.3	EV2-1030	15		D	3	50	
6CM5	6.3	HS5-0480	35		D	3	48	Cap connects to plate.
6CM6	6.3	EV3-9170	21		C	3	46	
6CM7	6.3	EV7-6030	25		B	3	50	Triode No. 1.
6CM7	6.3	EV8-1090	22		D	3	22	Triode No. 2.
6CM8	6.3	EV2-6730	11		D	3	28	Pentode sect.
6CM8	6.3	EV9-1080	18		B	3	25	Triode sect.
6CN6	6.3	HS5-0481	0		E	3	32	Cap connects to plate.
6CN7	6.3	EV7-8060	11		B	3	30	Triode sect.
6CN7	6.3	EV0-2030	0	70	A	2	40	Diode No. 1.
6CN7	6.3	EV0-1030	0	70	A	2	40	Diode No. 2.
6CQ4	6.3	HY0-5030	0	38	A	7	50	
6CQ8	6.3	EV2-6370	18		C	3	38	Tetrode sect.
6CQ8	6.3	EV9-1080	22		C	3	44	Triode sect.
6CR6	6.3	ET7-5612	12		B	3	49	Pentode sect.
6CR6	6.3	ET0-2010	0	14	A	2	40	Diode sect.
6CR8	6.3	EV2-6783	18		C	3	31	Pentode sect.
6CR8	6.3	EV9-1080	18		C	3	50	Triode sect.
6CS6	6.3	ET1-5627	20		B	(#)	8	Grid No. 1.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
6CS6	6.3	ET7-5621	0		B	(#)	12	Grid No. 3.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
6CS7	6.3	EV7-6080	17		C	3	28	Triode No. 1

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6CS7	6.3	EV3-1090	28	—	D	3	23	Triode No. 2.
6CU5	6.3	ET2-7610	10	—	D	(#)	45	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
6CU6	6.3	HS5-0480	50	—	C	3	56	Cap connects to plate.
6CU8	6.3	EV7-2361	7	—	D	3	31	Pentode sect.
6CU8	6.3	EV8-9010	21	—	C	3	42	Triode sect.
6CW4	6.3	DR4-2080	16	—	D	3	44	Use Hickok adapter. Code No. 1050-127.
6CW5	6.3	EV2-7930	9	- - - - - -	D	3	50	
6CW7	6.3	EV6-9010	25	—	D	3	30	Triode No. 1.
6CW7	6.3	EV2-3010	26	—	D	3	30	Triode No. 2.
6CY5	6.3	ET1-5620	11	—	D	(#)	25	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
6CX8	6.3	EV7-9800	11	—	D	3	31	Pentode sect.
6CX8	6.3	EV2-3010	26	—	C	3	25	Triode sect.
6CY7	6.3	EV7-6080	25	- - -	B	3	12	Triode No. 1.
6CY7	6.3	EV2-1090	65	—	C	3	50	Triode No. 2.
6CZ5	6.3	EV3-9170	15	—	C	3	60	
6D4	6.3	ET1-7050	(#)	62	A	7	40	
#Should strike between settings 87 and 77 of the BIAS dial.								
6D5	6.3	HS5-3080	57	—	B	3	50	
6D6	6.3	GR0-2354	21	—	B	3	40	Cap connects to grid.
6D7	6.3	HR0-2364	24	—	B	3	31	Cap connects to grid.
6D8	6.3	HS5-4683	45	—	B	3	31	Cap connects to grid.
6DA4	6.3	HY0-5030	0	34	A	7	52	
6DA5	6.3	EV1-5020	(#)	100	A	4	—	
#Connect a 1-megohm resistor from plate jack to octal test socket pin No. 7. Vary bias to vary beam angle.								
6DA6	6.3	EV2-7839	15	—	D	3	16	
6DA7	6.3	EV7-6080	23	—	C	3	32	Triode No. 1.
6DA7	6.3	EV3-1090	55	—	D	3	25	Triode No. 2.
6DB5	6.3	EV3-9120	10	—	D	(#)	45	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
6DB6	6.3	ET1-5627	16	—	B	3	38	Grid No. 1.
6DB6	6.3	ET7-5621	14	—	B	(#)	15	Grid No. 3.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND								
6DC6	6.3	ET1-5627	11	—	D	3	23	
6DC8	6.3	EV2-6139	22	—	C	3	34	Pentode sect.

DATA TABLE—Continued

Tube type	Filament	Selectors	Bias	Shunt	Range	Press	Minimum value	Notations
6DC8	6.3	EVO-8030	0	13	A	2	28	Diode No. 1.
6DC8	6.3	EVO-7030	0	13	A		28	Diode No. 2
6DE4	6.3	HYO-5030	0	38	A	7	50	
6DE6	6.3	ET1-5627	11		D	3	28	
6DE7	6.3	EV7-6080	31		B	3	51	Triode No. 1.
6DE7	6.3	EV2-1090	54		D	3	33	Triode No. 2.
6DG7	6.3	HS5-3480	10		D	(#)	40	
6DG7	6.3	EV2-7839	9		C	3	41	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT.COND.							
6DJ8	6.3	EV7-6080	20		D	3	62	Triode No. 1.
6DJ8	6.3	EV2-1030	20		D	3	62	Triode No 2
6DK6	6.3	ET1-5627	8		D	3	33	
6DL5	6.3	ET1-5620	12		C	3	53	
6DM4	6.3	HYO-5030	0	38	A	7	50	
6DN6	6.3	HS5 0830	28		D	(#)	45	Cap connects to plate
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT.COND.							
6DN7	6.3	HY4-5060	31		B	3	40	Triode No. 1.
6DN7	6.3	HY1-2030	26		D	3	40	Triode No. 2.
6DQ5	6.3	HS1 0430	53		D	3	34	Cap is the plate.
6DQ6	6.3	HS5-0480	36		D	3	30	Cap connects to plate.
6DR7	6.3	EV7-6080	22		B	3	20	Triode No 1.
6DR7	6.3	EV2-1090	54		D	3	31	Triode No. 2.
6DS5	6.3	ET1 5620	16		D	3	30	
6DT5	6.3	EV3-9170	31		C	3	60	
6DT6	6.3	ET1-5627	22		B	3	15	Grid No. 1
6DT6	6.3	ET7-5621	0		B	(#)	10	Grid No. 3.
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT.COND							
6DT8	6.3	EV7-6089	10		C	3	50	Triode No 1
6DT8	6.3	EV2-1039	10		C	3	50	Triode No. 2.
6DW5	6.3	EV3 9170	50		C	3	56	
6DX8	6.3	EV8 6970	10		D	3	47	Pentode sect
6DX8	6.3	EV1-2030	26		B	3	50	Triode sect.
6DZ7	6.3	HS5-6480	11		D	3	49	Pentode No. 1.
	Connect negative (-) end of 30-volt battery to pin No. 1 of loctal socket (count counterclockwise).							
6DZ7	6.3	HS1-3480	11		D	3	49	Pentode No. 2
	Connect negative (—) end of 30-volt battery to pin No. 5 of loctal socket (count terclockwise). Connect positive end of 30-volt battery to pin No. 8 of loctal socket for each test.							
	Caution: **Disconnect battery between selector changes.**							
6E5	6.3	GR5-4 030	0	100	A	3		Eye open
6E5	6.3	GR5-4230	0	100	A	3		Eye closed

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6E6	6.3	HR5-6040	54		B	3	35	Triode No. 1.
6E6	6.3	HR3-2040	54		B	3	35	Triode No. 2.
6E7	6.3	HR0-2364	24		B	3	38	Cap connects to grid.
6EA5	6.3	ET1-5020	10		D	3	26	
6EA7	6.3	JX4-5060	10		B	3	39T	Triode No. 1.
6EA7	6.3	JX1-2030	56		D	3	33	Triode No. 2.
6EA8	6.3	EV2-6370	0		D	3	28	Pentode sect.
6EA8	6.3	EV9-1080	10		D	3	46	Triode No. 1.
6EB5	6.3	ET0-2056	0	21	A	2	40	Diode No. 1.
6EB5	6.3	ET0-7016	0	21	A	2	40	Diode No. 2.
6EB8	6.3	EV7-9860	0		D	3	46	Pentode sect.
6EB8	6.3	EV2-3010	19		B	3	38	Triode sect.
6EH5	6.3	ET2-7610	31		C	3	50	
6EH7	6.3	EV2-7819	10		D	3	65	
6EH8	6.3	EV7-9860	22		B	3	53	Pentode sect.
6EH8	6.3	EV2-3010	24		C	3	51	Triode sect.
6EJ7	6.3	EV2-7819	10		D	3	39	
6EM5	6.3	EV3-9170	23		D	3	25	
6EM7	6.3	HY4-5060	20		B	3	25	Triode No. 1.
6EM7	6.3	HY1-2030	60		D	3	35	Triode No. 2.
6EQ7	6.3	EV2-7631	29		B3	3	27	Pentode sect.
6EQ7	6.3	EV0-8030	0	0	A	2	34	Diode sect.
6ES5	6.3	ET2-5010	12		D	3	35	
6ES8	6.3	EV7-6080	20		D	3	50	Triode No. 1.
6ES8	6.3	EV2-1030	20		D	3	50	Triode No. 2.
6ET7	6.3	EV7-9860	10		D	3	38	Pentode sect.
6ET7	6.3	EV0-3010	0	0	A	2	20	Diode No. 1.
6ET7	6.3	EV0-2010	0	0	A	2	20	Diode No. 2.
6EU7	6.3	BS8-7090	12		B	3	32	Triode No. 1.
6EU7	6.3	BS5-6040	12		B	3	32	Triode No. 2.
6EU8	6.3	EV7-1980	0		D	3	28	Pentode sect.
6EU8	6.3	EV2-3060	10		D	3	46	Triode sect.
6EV5	6.3	ET1-5620	10		D	3	43	
6EV7	6.3	EV7-6080	10		C	3	43	Triode No. 1.
6EV7	6.3	EV2-1030	10		C	3	43	Triode No. 2.
6EW6	6.3	ET1-5627	26		B	3	52	
6EW7	6.3	EV7-6080	37		B	3	26	Triode No. 1.
6EW7	6.3	EV2-1090	54		D	3	38	Triode No. 2.
6EX6	6.3	HS5-0830	49		D	3	39	Cap connects to plate.
Tubes showing shorts: Retest using HS5-0130.								
6EY6	6.3	HS5-3480	33		C	3	55	
6EZ5	6.3	HS5-3480	48		B	3	50	
6EZ8	6.3	FU9-8000	36		B	3	34	Triode No. 1.
6EZ8	6.3	FU7-6000	36		B	3	34	Triode No. 2.
6EZ8	6.3	FU2-3010	29		B	3	34	Triode No. 3.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6F4	6.3	GR2-3070	30		D	3	30	
6F5	6.3	HS0-4081	12		B	3	25	Cap connects to grid
6F6	6.3	HS5-3481	29		B	3	50	
6F7	6.3	HR0-2365	28		B	3	28	Pentode sect Cap connects to grid.
6F7	6.3	HR5-4362	28		B	3	13	Triode sect.
6F8	6.3	HS5-6080	23		B	3	50	Triode No. 1
6F8	6.3	HS0-3040	23		B	3	50	Triode No. 2. Cap connects to grid.
6FA7	6.3	EV7-9861	17		B	3	30	Tetrode No. 1.
6FA7	6.3	EV7-1869	17		B	3	80	Tetrode No. 1.
6FA7	6.3	EV9-3061	0	0	A	2	22	Diode sect.
6FD6	6.3	ET1-6572	20	20	A	?	44	Make no gas test.
6FE5	6.3	HS5-3480	45		D	3	33	
6FG5	6.3	ET1-5670	10		C	3	46	
6FG7	6.3	EV9-6780	19		C	3	36	Pentode sect.
6FG7	6.3	EV1-2030	29		C	3	35	Triode sect.
6FH5	6.3	ET2-5070	13		D	3	40	
6FH6	6.3	HS5-0480	36		3	3	30	
6FH8	6.3	FU6-9700	28		C	3	31	Tetrode plate No. 1.
6FH8	6.3	FU6-8700	23		B	3	31	Tetrode plate No. 2.
6FH8	6.3	FU6-1700	23		B	3	31	Tetrode plate No. 3.
6FH8	6.3	FU6-3000	32		D	3	29	Triode sect.
6FM8	6.3	EV8-9070	11		B	3	30	Triode sect.
6FM8	6.3	EV0-6010	0	70	A		40	Diode No. 1
6FM8	6.3	EV0-2030	0	70	A		40	Diode No. 2.
6FQ5	6.3	ET2-5070	15		D	3	42	
6FQ5A	6.3	ET2-5070	15		D	3	50	
6FQ7	6.3	EV7-6080	23		B	3	50	Triode No. 1
6FQ7	6.3	EV2-1030	23		B	3	50	Triode No. 2.
6FS5	6.3	ET1-5670	10		D	3	30	
6FV6	6.3	ET1-5672	22		C	3	40	
6FV8	6.3	EV9-6780	10		C	3	50	Pentode sect.
6FV8	6.3	EV1-2030	16		D	3	38	Triode sect.
6FW5	6.3	HS1-5830	48		D	3	57	
6FW8	6.3	EV7-6080	20		D	3	57	Triode No. 1.
6FW8	6.3	EV2-1030	20		D	3	57	Triode No. 2.
6FY5	6.3	ET2-5016	14		D	3	50	
6FY8	6.3	EV1-9080	30		B	3	23	Triode sect.
6G5	6.3	GR5-4030	0	100	A	3		Eye open.
6G5	6.3	GR5-4230	0	100	A	3		Eye closed.
6G6	6.3	HS5-3480	23		B	3	53	
6G7S	6.3	HR0-2354	86		B	3	38	Pentode sect. Cap connects to grid.
6G7S	6.3	HR0-4080	0	62	A	2	40	Diode No. 1.

DA TA TABLE—Continued

Tube type	*Fila-ment*	*Selectors*	*Bias*	*Shu nt*	*Range*	*Press*	*Mini-mum value*	*Notations*
6G7S	6.3	H R0-6030	0	62	A	2	40	Diode No. 2
6GC5	6.3	EV6-9170	10		D	(#)	45	
		#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.						
6GE8	6.3	EV8-9170	27		B	3	29	Pentode sect.
6GE8	6.3	EV3-6020	65		C	3	56	Triode sect.
6GH8	6.3	EV2-6370	19		C	3	38	Pentode sect.
6GH8	6.3	EV9-1080	13		D	3	42	Triode sect.
6GK5	6.3	ET2-5076	30		C	3	38	
6GK6	6.3	EV2-7813	10		D	3	47	
6GM5	6.3	EV6-9170	10		D	3	36	
6GM6	6.3	ET1-5627	10		D	3	38	
6GM8	6.3	EV7-6080	30	0	A	2	32	Triode No. 1. Make no gas test.
6GM8	6.3	EV2-1030	30	0	A	2	32	Triode No. 2. Make no gas test.
6GN8	6.3	EV7-9860	10		D	3	42	Pentode sect.
6GN8	6.3	EV2-3010	20		B	3	38	Triode sect.
6GS8	6.3	EV7-8219	0		B	3	28	Pentode No. 1.
6G S8	6.3	EV7-3216	0		B	3	28	Pentode No. 2.
6G W6	6.3	H S5-0480	34		D	(#)	38	Cap connects to plate.
		#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.						
6G X6	6.3	ET1 5627	27		B	3	21	
6GY6	6.3	ET1-5627	28		B	3	20	
6GY8	OFF	EV0-6070				Short test only.		
6G Y8	OFF	FU3-9080				Short test only.		
G5Y8	6.3	EV0-6070	0	55	A	2	40	Triode No. 1. Short on 3.
6GY8	6.3	FU3 9080	30		B	3	27	Triode No. 2. Short on 3.
6GY8	6.3	FU1 2000	37		B	3	27	Triode No. 3. No short
6H4	6.3	HS0 4080	0	62	A	2	32	Diode.
6H5	6.3	G R5-4030	0	100	A	3		Eye open.
6H5	6.3	G R5-4230	0	100	A	3		Eye closed
6H6	6.3	HS0-5080	0	63	A	2	40	Diode No. 1.
6H6	6.3	HS0 -3040	0	63	A	2	40	Diode No. 2.
6H7M	6.3	HS5-3486	29		B	3	50	Pentode sect.
6H7M	6.3	HS0-6083	0		B	3	4	Triode sect. Cap connects to grid.
6HB6	6.3	EV2-7819	10		E	3	38	
6HF8	6.3	EV7-9860	10		D	3	35	Pentode sect.
6HF8	6.3	EV2-3010	30		B	3	25	Triode sect.
8J	6.3	EV2-6319	21		C	3	34	Pentode sect.
6HJ8	6.3	EV0-8070	0	55	A	2	32	Diode sect.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6HS8	6.3	EV7-8219	10		B	3	20	Pentode No. 1.
6HS8	6.3	EV7-3216	10		B	3	20	Pentode No. 2.
6J4	6.3	ET1-7020	15		D	3	45	Gas test not reliable. Do not perform.
6J5	6.3	HS5-3080	23		B	3	50	
6J6	6.3	ET5-2070	15		D	3	23	Triode No. 1.
6J6	6.3	ET6-1070	15		D	3	23	Triode No. 2.
6J7	6.3	HS0-3485	22		B	3	31	Cap connects to grid No. 1.
6J8	6.3	HS5-3486	18		B	3	25	Heptode sect. Cap connects to grid.
6J8	6.3	HS5-6483	30		B	3	13	Triode sect.
6K4*	6.3	D U2-1050	31		D	3	16	C basing.
6K5	6.3	HS0-3080	21		B	3	25	Cap connects to grid.
6K6	6.3	HS5-3480	34		B	3	40	
6K7	6.3	HS0-3485	19		B	3	36	Cap connects to grid.
6K8	6.3	HS5-3486	11		B	3	25	Hexode sect. Cap connects to grid.
6K8	6.3	HS5-6483	0		C	3	30	Triode sect.
6L4	6.3	GR2-3070	25		D	3	25	
6L5	6.3	HS5-3080	27		B	3	38	
6L6	6.3	HS5-3481	23		D	3	25	
6L7	6.3	HS0-3485	23		B	3	16	Cap grid. Cap connects to grid.
6L7	6.3	HS5-3481	27		B	3	16	Pin grid.
6M3	6.3	JS0-0030	0	70	A	(#)	40	Cap connects to plate. Short on 3.
#Hold down pushbutton 8-METER REV. and press pushbutton 7-RECT								
6N3	6.3	EV0-9030	0	40	A	7	40	
6N4								
6N4	6.3	ET1-5020	18		D	3	30	
6N5	6.3	GR5-4030	0	100	A	3		Eye open.
6N5	6.3	GR5-4230	0	100	A	3		Eye closed.
6N6	6.3	HS5-3480	0		B	3	38	
6N7	6.3	HS 5-6083	12		B	3	38	Triode No. 1.
6N7	6.3	HS4-3086	12		B	3	38	Triode No. 2.
6N8	6.3	EV2-6139	17		B	3	55	Pentode sect.
6N8	6.3	EV2-7139	0	0	A	2	40	Diode No. 1.
6N8	6.3	EV2-8139	0	0	A	2	40	Diode No. 2.
6P5	6.3	HS5-3080	29		B	3	36	
6P7	6.3	CT0-4586	28		B	3	28	Pentode sect. Cap connects to grid.
6P7	6.3	CT7-6084	28		B	3	13	Triode sect.
6Q4	6.3	EV1-9030	0		D	3	50	
6Q5	6.3	HS5-3080	(#)	90	A	4	40	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
#Should strike between settings 64 and 54 of the BIAS dial.								
6Q6	6.3	HS0–3080	17		B	3	25	Triode sect. Cap connects to grid.
6Q6	6.3	HS0–5080	0	14	A	2	40	Diode No. 1.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6Q6	6.3	HS0–4080	0	14	A	2	40	Diode No. 2.
6Q7	6.3	HS0–3081	17	———	B	3	20	Triode sect. Cap connects to grid.
6Q7	6.3	HS0–5083	0	14	A	2	40	Diode No. 1.
6Q7	6.3	HS0–4083	0	14	A	2	40	Diode No. 2.
6R3	6.3	EV0–0090	0	25	A	(#)	40	Cap connects to plate.
#Hold down pushbutton 8-METER REV. and press pushbutton 7-RECT.								
6R4	6.3	EV1–8030	23	———	C	3	50	
6R7	6.3	HS0–3081	18	———	B	3	48	Triode sect. Cap connects to grid.
6R7	6.3	HS0–5083	0	14	A	2	40	Diode No. 1.
6R7	6.3	HS0–4083	0	14	A	2	40	Diode No. 2.
6R8	6.3	EV8–9072	13	———	B	3	48	Triode sect.
6R8	6.3	EV0–1078	0	68	A	2	40	Diode No. 1.
6R8	6.3	EV0–6078	0	68	A	2	40	Diode No. 2.
6R8	6.3	EV0–2039	0	68	A	2	40	Diode No. 3.
6S4	6.3	EV6–9020	17	———	C	3	52	
6S7	6.3	HS0–3485	27	———	B	3	44	Cap connects to grid.
6S8	6.3	HY0–6020	10	———	B	3	23	Triode sect. Cap connects to grid.
6S8	6.3	HY0–3050	0	14	A	2	40	Diode No. 1.
6S8	6.3	HY0–4020	0	14	A	2	40	Diode No. 2.
6S8	6.3	HY0–1020	0	14	A	2	40	Diode No. 3.
6SA7	6.3	HS8–3465	Short test only.					
6SA7	6.3	HS5–4068	0	———	C	3	50	
6SB7	6.3	HS8–3465	Short test only.					
6SB7	6.3	HS5–4068	10	———	D	3	40	
6SC7	6.3	HY4–5062	0	———	B	3	25	Triode No. 1.
6SC7	6.3	HY3–2065	0	———	B	3	25	Triode No. 2.
6SD7	6.3	HS4–8653	10	———	D	3	15	
6SF5	6.3	HY3–5021	12	———	B	3	25	
6SF7	6.3	HY2–6431	0	———	B	3	50	Pentode sect.
6SF7	6.3	HY0–5436	0	14	A	2	40	Diode sect.
6SG7	6.3	HS4–8651	0	———	C	3	42	
6SH7	6.3	HS4–8651	0	———	C	3	43	
6SJ7	6.3	HS4–8653	22	———	B	3	40	
6SK7	6.3	HS4–8653	22	———	B	3	48	
6SL7	6.3	HY4–5062	0	———	B	3	32	Triode No. 1.
6SL7	6.3	HY1–2035	0	———	B	3	32	Triode No. 2.
6SN7	6.3	HY4–5062	23	———	B	3	50	Triode No. 1.
6SN7	6.3	HY1–2035	23	———	B	3	50	Triode No. 2.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6SQ7	6.3	HY2-6031	11		B	3	19	Triode sect.
6SQ7	6.3	HY0-5036	0	14	A	2	20	Diode No. 1.
6SQ7	6.3	HY0-4036	0	14	A	2	20	Diode No. 2.
6SR7	6.3	HY2-6031	18		B	3	48	Triode sect.
6SR7	6.3	HY0-5036	0	14	A	2	20	Diode No. 1.
6SR7	6.3	HY0-4036	0	14	A	2	20	Diode No. 2.
6SS7	6.3	HS4-8653	19		B	3	46	
6ST7	6.3	HY2-6031	15		B	3	48	Triode sect.
6ST7	6.3	HY0-5036	0	0	A	2	30	Diode No. 1.
6ST7	6.3	HY0-4036	0	0	A	2	30	Diode No. 2.
6SU7	6.3	HY4-5062	5		B	3	30	Triode No. 1.
6SU7	6.3	HY1-2035	5		B	3	30	Triode No. 2.
6SV7	6.3	HY2-6430	12		B	3	53	Pentode sect.
6SV7	6.3	HY2-5430	0	62	A	2	40	Diode sect.
6SZ7	6.3	HY2-6031	10		B	3	30	Triode sect.
6SZ7	6.3	HY0-5031	0	0	A	2	30	Diode No. 1.
6SZ7	6.3	HY0-4031	0	0	A	2	30	Diode No. 2.
6T4	6.3	ET2-1050	37		D	3	25	
6T5	6.3	GR5-4030	0	100	A	3		Eye open.
6T5	6.3	GR5-4230	0	100	A	3		Eye closed.
6T7	6.3	HS0-3080	17		B	3	25	Triode sect. Cap connects to grid.
6T7	6.3	HS0-5080	0	14	A	2	40	Diode No. 1.
6T7	6.3	HS 0-4080	0	14	A	2	40	Diode No. 2.
6T8	6.3	EV8-9076	11		B	3	30	Triode sect.
6T8	6.3	EV0-6071	0	70	A	2	40	Diode No. 1.
6T8	6.3	EV0-2036	0	70	A	2	40	Diode No. 2.
6T8	6.3	EV0-1078	0	70	A	2	40	Diode No. 3.
6U3	6.3	EV0-9030	0	63	A	7	40	
6U4	6.3	HY0-5030	0	61	A	7	40	
6U5	6.3	GR5-4030	0	100	A	3		Eye open.
6U5	6.3	GR5-4230	0	100	A	3		Eye closed
6U6	6.3	HS5-3480	30		D	3	32	
6U7	6.3	HS0-3485	21		B	3	40	Cap connects to grid No. 1.
6U8	6.3	E V2-6370	15		B	3	57	Pentode sect.
6U8	6.3	EV9-1080	16		C	3	57	Triode sect.
6V3	6.3	E V0-0020	0	65	A	(#)	40	Cap connects to plate.
#Hold down pushbutton 8-METER REV. and press pushbutton 7-RECT.								
6V4	6.3	EV0-7031	0	23	A	7	40	Plate No. 1.
6V4	6.3	EV0-1037	0	23	A	7	40	Plate No. 2.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6V5	6.3	HY5-3400	31	—	C	3	52	
6V6	6.3	HS5-3481	21	—	C	3	46	
6V7	6.3	HS0-3080	39	—	B	3	24	Triode sect. Cap connects to grid.
6V7	6.3	HS0-5080	0	14	A	2	40	Diode No. 1.
6V7	6.3	HS0-4080	0	14	A	2	40	Diode No. 2.
6V8	6.3	EV6-1038	11	—	B	3	30	Triode sect.
6V8	6.3	EV0-9032	0	0	A	2	30	Diode No. 1.
6V8	6.3	EV0-7086	0	72	A	2	40	Diode No. 2.
6V8	6.3	EV0-2038	0	72	A	2	40	Diode No. 3.
6W4	6.3	HY0-5030	0	63	A	7	40	
6W5	6.3	HS0-5080	0	40	A	7	40	Plate No. 1.
6W5	6.3	HS0-3080	0	40	A	7	40	Plate No. 2.
6W6	6.3	HS5-3480	56	—	C	3	38	
6W7	6.3	HS0-3485	22	—	B	3	31	Cap connects to grid No. 1.
6X4	6.3	ET0-6070	0	30	A	7	40	Plate No. 1.
6X4	6.3	ET0-1070	0	30	A	7	40	Plate No. 2.
6X5	6.3	HS0-5081	0	40	A	7	40	Plate No. 1
6X5	6.3	HS0-3081	0	40	A	7	40	Plate No. 2.
6X6	6.3	HS5-4086	100	100	A	4	—	Eyes open.
6X6	6.3	HS5-4386	100	100	A	4	—	Eyes closed.
6X8	6.3	EV7-9861	9	—	D	3	23	Pentode sect.
6X8	6.3	EV2-3861	15	—	D	3	23	Triode sect.
6Y5	6.3	GR0-5040	0	63	A	7	40	Plate No. 1.
6Y5	6.3	GR0-3040	0	63	A	7	40	Plate No. 2.
6Y6	6.3	HS5-3480	33	—	D	3	30	
6Y7	6.3	HS5-6083	15	—	B	3	25	Triode No. 1.
6Y7	6.3	HS4-3086	15	—	B	3	25	Triode No. 2.
6Z4	6.3	FR0-3040	0	46	A	7	40	Plate No. 1.
6Z4	6.3	FR0-2040	0	46	A	7	40	Plate No. 2.
6Z5	12.6	GS0-5040	0	38	A	7	40	Plate No. 1. Short on 8.
6Z5	12.6	GS0-3040	0	38	A	7	40	Plate No. 2. Short on 8.
6Z7	6.3	HS5-6080	0	—	B	3	30	Triode No. 1.
6Z7	6.3	HS4-3080	0	—	B	3	30	Triode No. 2.
6ZY5	6.3	HS0-5080	0	30	A	7	40	Plate No. 1.
6ZY5	6.3	HS0-3080	0	30	A	7	40	Plate No. 2.
7A4	6.3	JR6-2070	23	—	B	3	50	
7A5	7.3	JR6-2370	25	—	D	3	30	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
7A6	6.3	JR0-6075	0	60	A	2	40	Diode No. 1.
7A6	6.3	JR0-3025	0	60	A	2	40	Diode No. 2.
7A7	6.3	JR6-2374	27		B	3	44	
7A8	6.3	JR6-2574		Short test only.				
7A8	6.3	JR4-5376	40		B	3	31	
7AB7	6.3	HS5-3140	10		B	3	46	
7AD7	6.3	JR6-2374	0		D	3	81	
7AF7	6.3	JR5-6070	21		C	3	33	Triode No. 1.
7AF7	6.3	JR4-3020	21		C	3	33	Triode No. 2.
7AG7	6.3	JR6-2374	0		C	3	38	
7AH7	6.3	JR6-2374	0		C	3	42	
7AJ7	6.3	JR6-2374	0		D	3	11	
7AK7	6.3	JR6-2374	0		C	3	50	
7AU7	6.3	EV7-6080	24		B	3	56	Triode No. 1.
7AU7	6.3	EV2-1030	24		B	3	56	Triode No. 2.
7B4	6.3	JR6-2070	12		B	3	25	
7B5	6.3	JR6-2370	34		B	3	40	
7B6	6.3	JR3-2070	0		B	3	28	Triode sect.
7B6	6.3	JR0-6072	0	14	A	2	40	Diode No. 1.
7B6	6.3	JR0-5072	0	14	A	2	40	Diode No. 2.
7B7	6.3	JR6-2374	27		B	3	43	
TB8	6.3	JR6-2574		Short test only.				
TB8	6.3	JR4-5376	44		B	3	29	
7C4	6.3	JR0-4070	0	52	A	2	40	Diode.
7C5	6.3	JR6-2370	30		C	3	38	
7C6	6.3	JR3-2070	10		B	3	15	Triode sect.
7C6	6.3	JR0-6072	0	0	A	2	30	Diode No. 1.
7C6	6.3	JR0-5072	0	0	A	2	50	Diode No. 2.
7C7	6.3	JR6-2374	22		B	3	33	
7E5	6.3	JS1-3040	15		C	3	38	
7E6	6.3	JR3-2070	12		B	3	55	Triode sect.
7E6	6.3	JR0-6072	0	14	A	2	40	Diode No. 1.
7E6	6.3	JR0-5072	0	14	A	2	40	Diode No. 2.
7E7	6.3	JR6-2570	22		B	3	33	Pentode sect.
7E7	6.3	JR0-4072	0	0	A	2	30	Diode No. 1.
7E7	6.3	JR0-3072	0	0	A	2	30	Diode No. 2.
7EY6	7.5	HS5-3480	31		C	3	55	
7F7	6.3	JR5-6073	0		B	3	33	Triode No. 1.
7F7	6.3	JR4-3026	0		B	3	33	Triode No. 2.
7F8	6.3	HS8-6050	10		D	3	25	Triode No. 1.
7F8	6.3	HS1-3040	10		D	3	25	Triode No. 2.
7G7	6.3	JR6-2374	18		B	3	50	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
7G8	6.3	JR5-7362	10		B	3	53	Tetrode No. 1.
7G8	6.3	JR4-2367	10		B	3	53	Tetrode No. 2.
7H7	6.3	JR6-2374	10		D	3	19	
7J7	6.3	JR6-2574	18		B	3	20	Heptode sect.
7J7	6.3	JR4-3576	18		B	3	25	Triode sect.
7K7	6.3	JR4-3020	0		B	3	25	Triode sect.
7K7	6.3	JR0-5070	0	20	A	2	40	Diode No. 1.
7K7	6.3	JR0-6070	0	20	A	2	40	Diode No. 2.
7L7	6.3	JR6-2374	12		B	3	50	
7N7	6.3	JR5-6073	23		B	3	50	Triode No. 1.
7N7	6.3	J R4-3026	23		B	3	50	Triode No. 2.
7Q7	6.3	JR6-2375	Short test only.					
7Q7	6.3	JR4-3076	20		C	3	57	
7R7	6.3	JR6-2570	10		C	3	38	Pentode sect.
7R7	6.3	JR0-4072	0	0	A	2	30	Diode No. 1.
7R7	6.3	JR0-3072	0	0	A	2	30	Diode No. 2.
7S7	6.3	JR6-2574	18		B	3	38	Heptode sect.
7S7	6.3	JR4-3576	0		B	3	38	Triode sect.
7T7	6.3	JR6-2374	9		C	3	38	
7V7	6.3	JR6-2374	6		C	3	50	
7W7	6.3	JR6-2375	10		D	3	18	
7X6	6.3	J R0-6075	0	57	A	7	40	Plate No. 1.
7X6	6.3	JR0-3025	0	57	A	7	40	Plate No. 2.
7X7	6.3	JR3-2040	0		B	3	23	Triode sect.
7X7	6.3	JR0-5040	0	67	A	2	40	Diode No. 1.
7X7	6.3	JR0-6070	0	67	A	2	40	Diode No. 2.
7Y4	6.3	J R0-6070	0	42	A	7	40	Plate No. 1.
7Y4	6.3	JR0-3070	0	42	A	7	40	Plate No. 2.
7Z4	6.3	JR0-6070	0	12	A	7	40	Plate No. 1.
7Z4	6.3	JR0-3070	0	12	A	7	40	Plate No. 2.
8AU8	7.5	EV7-9860	10		D	3	30	Pentode sect.
8AU8	7.5	EV2-3010	9		D	3	25	Triode sect.
8AW8A	7.5	EV7-9860	14		D	3	38	Pentode sect.
8AW8A	7.5	EV2-3010	9		D	3	20	Triode sect.
8BA8A	7.5	EV7-9860	11		D	3	30	Pentode sect.
8BA8A	7.5	EV2-3010	29		C	3	34	Triode sect.
8BH8	7.5	EV7-9860	8		D	3	30	Pentode sect.
8BH8	7.5	EV2-3010	29		C	3	42	Triode sect.
8BN8	7.5	EV8-7090	15		D	3	13	Triode sect.
8BN8	7.5	EV0-6030	0	70	A	2	40	Diode No. 1.
8BN8	7.5	EV0-1020	0	70	A	2	40	Diode No. 2.
8BQ5	7.5	EV2-7930	30		C	3	50	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
8CG7	7.5	EV7-6089	23		B	3	50	Triode No. 1.
8SG7	7.5	EV2 1039	23		B	3	50	Triode No. 2.
8CM7	7.5	EV7-6030	25	B		3	50	Triode No. 1.
8CM7	7.5	EV8-1090	22		D	3	22	Triode No. 2
8CN7	7.5	EV7 8060	11		B	3	30	Triode sect.
8CN7	7.5	EV0-2030	0	70	A	2	40	Diode No. 1.
8CN7	7.5	EV0-1030	0	70	A	2	40	Diode No. 2.
8CS7	7.5	EV7-6080	17		C	3	28	Triode No. 1.
8CS7	7.5	EV3-1090	28		D	3	23	Triode No. 2.
8CX8	7.5	EV7-9860	11	D		3	31	Pentode sect.
8CX8	7.5	EV2-3010	26		C	3	25	Triode sect.
8CY7	7.5	EV7-6080	25	B		3	12	Triode No. 1
8CY7	7.5	EV2-1090	65		C	3	50	Triode No. 2
8EB8	7.5	EV7- 9860	0	D		3	46	Pentode sect.
8EB8	7.5	EV2 3010	19	B		3	38	Triode sect.
8EM5	7.5	EV3 9170	23		D	3	25	
8ET7	7.5	EV7-9860	10	D		3	38	Pentode sect.
8ET7	7.5	EV0-3010	0	0	A	2	20	Diode No. 1.
8ET7	7.5	EV0-2010	0	0	A	2	20	Diode No. 2.
8FQ7	7.5	EV7-6080	23		B	3	50	Triode No. 1.
8FQ7	7.5	EV2-1030	23		B	3	50	Triode No. 2.
8GN8	7.5	EV7 -9860	10		D	3	42	Pentode sect.
8GN8	7.5	EV2-3010	20		B	3	29	Triode sect.
8SN7	7.5	HY4-5060	23		B	3	50	Triode No. 1.
8SN7	7.5	HY1 2030	23		B	3	50	Triode No. 2.
9AU7	10.0	EV7-6080	24		B	3	56	Triode No. 1.
9AU7	10.0	EV2-1030	24		B	3	56	Triode No. 2.
9BR7	10.0	EV2-1030	17		C	3	38	Triode sect.
9BR7	10.0	EV0-7080	0	53	A	2	36	Diode No. 1.
9BR7	10.0	EV0-6080	0	53	A	2	36	Diode No. 2.
9CL8	10.0	EV9-6780	8		D	3	20	Tetrode sect.
9CL8	10.0	EV1-2030	12		D	3	35	Triode sect.
9DZ8	10.0	EV3 6720	24		D	3	30	Pentode sect.
9DZ8	10.0	EV1 9080	26		B	3	15	Triode sect.
9U8	10 0	EV2 6370	15		B	3	57	Pentode sect.
9U8	10.0	EV9-1080	16		C	3	57	Triode sect.
9X8	10.0	EV7 9861	9	D		3	23	Pentode sect.
9X8	10.0	EV2-3861	15		D	3	23	Triode sect.
10	7.5	ER3-2000	39		B	3	32	
10BQ5	10.0	EV2-7930	30	C		3	50	Short on 1-2-3-5
10C8	10.0	EV8-6790	8		D	3	32	Pentode sect.
10C8	10.0	EV2-1030	13		D	3	22	Triode sect.
10DA7	10.0	EV7-6080	23		C	3	32	Triode No. 1.
10DA7	10.0	EV3-1090	55		D	3	25	Triode No. 2.
10DE7	10.0	EV7-6080	31		B	3	51	Triode No. 1.

DATA TABLE—Continued

Tube type	*Fila-ment*	*Selectors*	*Bias*	*Sh unt*	*Range*	*Press*	*Mini-mum value*	*Notations*
10DE7	10.0	EV2-1090	54		D	3	33	Triode No. 2.
10DR7	10.0	EV7-6080	22		B	3	20	Triode No. 1.
10DR7	10.0	EV2-1090	54		D	3	31	Triode No. 2.
10EG7	10.0	HY4-5060	32		B	3	50	Triode No. 1.
10EG7	10.0	HY1-2030	56		D	3	38	Triode No. 2.
10 EM7	10.0	HY4-5060	20		B	3	25	Triode No. 1.
10EM7	10.0	H Y1-2030	60		D	3	35	Triode No. 2.
10HF8	10.0	EV7-9860	10		D	3	35	Pentode sect.
10HF8	10.0	EV2-3010	30		B	3	25	Triode sect.
10Y	7.5	ER3-2000	12		B	3	38	
11C5	10.0	ET2-7610	32		D	3	23	
11CY7	10.0	EV7-6080	25		B	3	12	Triode No. 1.
11CY7	10.0	EV2-1090	65		C	3	50	Triode No. 2.
12A	5.0	ER3-2000	44		B	3	42	
12A4	12.6	EV2-9010	25		D	3	39	
12A5	12.6	H R4-2350	51		B	3	45	
12A6	12.6	HS5-3481	12		C	3	38	
12A7	12.6	H R0-2365	48		B	3	24	Pentode sect. Cap connects to grid.
12A7	12.6	H R0-5042	0	50	A	7	40	Rectifier sect.
12A8	12.6	HS5-4683	41		B	3	29	Cap connects to grid No. 4.
12AB5	12.6	EV3-9170	21		C	3	46	
12AC5	12.6	ET2-6571	35		A	2	16	Make no gas test.
12AD6	12.6	ET7-6521	30	0	A	2	28	Make no gas test.
12AD7	12.6	EV7-6080	12		B	3	32	Triode No. 1.
12AD7	12.6	EV2-1030	12		B	3	32	Triode No. 2.
12AE6	12.6	ET0-7021	0	0	A	2	12	Triode sect. Make no gas test.
12AE6	12.6	ET0-6020	0	0	A	2	40	Diode No. 1.
12AE6	12.6	ET0-5020	0	0	A	2	40	Diode No. 2.
12AE7	12.6	EV0-6087	0	45	A	2	40	Make no gas test.
12AE7	12.6	EV0-1032	0	58	A	2	40	Make no gas test.
12AF3	12.6	EV0-0020	0	32	A	(#)	60	Cap connects to plate.
		#Hold down pushbutton 8-METE R REV. and press pushbutton RECT.						
12AF6	12.6	ET1-5672	27		B	(#)	29	
		#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.						
12AG6	12.6	E T7-6521	30	0	A	2	44	Make no gas test.
12AH7	12.6	HY5-6043	20		B	3	50	Triode No. 1.
12AH7	12.6	HY1-3026	20		B	3	50	Triode No. 2.
12AJ6	12.6	ET0-7021	0	0	A	2	8	Triode sect. Make no gas test.
12AJ6	12.6	ET0-6020	0	0	A	2	40	Diode No. 1.
12AJ6	12.6	ET0-5020	0	0	A	2	40	Diode No. 2.

DATA TABLE—Continued

Tube type	*Fila-ment*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Mini-mum value*	*Notations*
12AJ7	12.6	EV2-6137	27		B	3	31	Heptode sect.
12AJ7	12.6	EV9-8036	26		B	3	50	Triode sect
12AL5	12.6	ET0-7010	0	70	A	2	40	Diode No. 1.
12AL5	12.6	ET0-2050	0	70	A	2	40	Diode No. 2.
12AL8	12.6	EV0-3672	0	55	A	2	50	Tetrode sect. Make no gas test.
12AL8	12.6	EV0-1098	0	0	A	2	10	Triode sect. Make no gas test.
12AQ5	12.6	ET1-5620	21		C	3	46	
12AS5	12.6	ET2-7610	25		D	3	28	
12AT6	12.6	ET1-7020	18		B	3	30	Triode sect.
12AT6	12.6	ET1-6020	0	0	A	2	40	Diode No. 1.
12AT6	12.6	ET1-5020	0	0	A	2	40	Diode No. 2.
12AT7	12.6	EV7-6080	10		C	3	50	Triode No. 1.
12AT7	12.6	EV2-1030	10		C	3	50	Triode No. 2.
12AU6	12.6	ET1-5672	16		B	3	58	
12AU7	12.6	EV7-6080	24		B	3	56	Triode No. 1.
12AU7	12.6	EV2-1030	24		B	3	56	Triode No. 2.
12AU8	12.6	EV7-9860	10		D	3	30	Pentode sect.
12AU8	12.6	EV2-3010	9		D	3	25	Triode sect.
12AV5	12.6	HS1-5830	50		C	3	49	
12AV6	12.6	ET1-7025	12		B	3	32	Triode sect.
12AV6	12.6	ET1-6025	0	0	A	2	40	Diode No. 1.
12AV6	12.6	ET1-5026	0	0	A	2	40	Diode No. 2.
12AV7	12.6	EV7-6080	18		D	3	21	Triode No. 1.
12AV7	12.6	EV2-1030	18		D	3	21	Triode No. 2.
12AW6	12.6	ET1-5627	10		D	3	20	
12AX4	12.6	HY0-5030	0	54	A	7	40	
12AX7	12.6	EV7-6080	12		B	3	32	Triode No. 1.
12AX7	12.6	EV2-1030	12		B	3	32	Triode No. 2.
12AY7	12.6	EV7-6080	15		B	3	32	Triode No. 1.
12AY7	12.6	EV2-1030	15		B	3	32	Triode No. 2.
12 AZ7	12.6	EV7-6080	10		C	3	50	Triode No. 1.
12AZ7	12.6	EV2-1030	10		C	3	50	Triode No. 2.
12B4	12.6	EV2-9010	50		D	3	32	
12B7	12.6	J R6-2374	22		B	3	48	
12B8	12.6	HS0-3410	22		B	3	46	Pentode sect. Cap connects to grid.
12B8	12.6	HS8-5060	0		B	3	50	Triode sect.
12BA6	12.6	ET1-5672	9		C	3	41	
12BA7	12.6	EV7-9136				Short test only		
12BA7	12.6	EV2-1037	10		D	3	40	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
12BD6	12.6	ET1-5672	19	—	B	3	50	
13BE6	12.6	ET7-6621	Short test only.					
12BE6	12.6	ET1-6027	17	—	D	3	36	
12BF6	12.6	ET1-7020	14	—	B	3	48	Triode sect.
12BF6	12.6	ET1-6020	0	0	A	2	40	Diode No. 1.
12BF6	12.6	ET1-5020	0	0	A	2	40	Diode No. 2.
12BH7	12.6	EV7-6092	29	—	C	3	30	Triode No. 1.
12BH7	12.6	EV2-1037	29	—	C	3	30	Triode No. 2.
12BK5	12.6	EV3-1860	0	—	D	3	28	
12BK6	12.6	ET1-7025	6	—	B	3	32	Triode sect.
12BK6	12.6	ET0-6025	0	40	A	2	40	Diode No. 1.
12BK6	12.6	ET0-5027	0	40	A	2	40	Diode No. 2.
12BL6	12.6	ET2-6571	30	0	A	2	40	Make no gas test.
12BN6	12.6	ET2-7516	0	—	B	3	18	Limiter grid.
12BN6	12.6	ET6-7512	0	—	B	3	23	Quadrature grid.
12BQ6	12.6	HS5-0480	50	—	C	3	56	Cap connects to plate.
12BR7	12.6	EV2-1030	14	—	D	3	20	Triode sect.
12BR7	12.6	EV0-7080	0	70	A	2	40	Diode No. 1.
12BR7	12.6	EV0-6080	0	70	A	2	40	Diode No. 2.
12BT6	12.6	ET1-7020	13	—	B	3	33	Triode sect.
12BT6	12.6	ET1-6020	0	40	A	2	40	Diode No. 1.
12BT6	12.6	ET1-5020	0	40	A	2	40	Diode No. 2.
12BU6	12.6	ET1-7020	34	—	B	3	38	Triode sect.
12BU6	12.6	ET1-6020	0	40	A	2	40	Diode No. 1.
12BU6	12.6	ET1-5020	0	40	A	2	40	Diode No. 2.
12BV7	12.6	EV2-7813	9	—	D	3	46	
12BW4	12.6	EV0-7091	0	15	A	7	40	Plate No. 1.
12BW4	12.6	EV0-1097	0	15	A	7	40	Plate No. 2.
12BY7	12.6	EV2-7813	9	—	D	3	46	
12BZ6	12.6	ET1-5627	20	—	C	3	31	
12BZ7	12.6	EV7-6080	8	—	D	3	18	Triode No. 1.
12BZ7	12.6	EV2-1030	8	—	D	3	18	Triode No. 2.
12C5	12.6	ET2-7610	10	—	D	(#)	45	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
12C8	12.6	HS0-3681	24	—	B	3	29	Pentode sect. Cap connects to grid No. 1.
12C8	12.6	HS0-5083	0	0	A	2	40	Diode No. 1.
12C8	12.6	HS0-4083	0	0	A	2	40	Diode No. 2.
12CA5	12.6	ET2-7610	25	—	D	8	80	
12CM6	12.6	EV3-9170	21	—	C	3	46	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
12CN5	12.6	ET0-6712	0	0	A	2	50	Make no gas test.
12CR6	12.6	ET7-5612	18		B	3	56	Pentode sect.
12CR6	12.6	ET0-2010	0	14	A	2	40	Diode sect.
12CS6	12.6	ET1-5627	20		B	(#)	8	Grid No. 1.
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT.COND.							
16CS6	12.6	ET7-5621	0		B	(#)	12	Grid No. 3.
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT.COND.							
12CT8	12.6	E V8-6790	10		D	3	30	Pentode sect.
12CT8	12.6	EV2-1030	9		D	3	25	Triode sect.
12CU5	12.6	ET2-7610	10		D	(#)	45	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT.COND.							
12CU6	12.6	HS5-0480	50		C	3	56	Cap connects to plate
12CX6	12.6	ET2-6571	0	0	A	2	50	Make no gas test.
12D4	12.6	HY0-5030	0	60	A	7	40	
12DB5	12.6	EV3-9120	10		D	(#)	45	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT.COND.							
12DE8	12.6	EV7-8691	0	0	A	2	32	Pentode sect. Make no gas test.
12DE8	12.6	E V0-3020	0	58	A	2	40	Diode sect.
12DF5	12.6	EV0-6080	0	15	A	7	40	Plate No. 1.
12DF5	12.6	EV0-1030	0	15	A	7	40	Plate No. 2
12DF7	12.6	EV7-6080	12		B	3	32	Triode No. 1.
12DF7	12.6	EV2-1030	12		B	3	32	Triode No. 2.
12DK7	12.6	EV0-3721	0	25	A	2	50	Tetrode sect. Make no gas test.
12DK7	12.6	EV0-6020	0	0	A	2	25	Diode No. 1.
12DK7	12.6	EV0-9020	0	0	A	2	25	Diode No. 2.
12DL8	12.6	EV0-3627	0	48	A	2	60	Tetrode sect. Make no gas test.
12DL8	12.6	EV0-9080	0	0	A	2	40	Diode No. 1.
12DL8	12.6	EV0-1080	0	0	A	2	40	Diode No. 2.
12DM4	12.6	HY0-5030	0	38	A	7	50	
12DM5	12.6	E T2-7610	10		D	(#)	45	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT.COND.							
12DQ6	12.6	HS5-0480	36		D	3	30	Cap connects to plate.
12DQ7	12.6	E V2-7819	0		D	3	40	
12DS7	12.6	EV7-3680	0	53	A	2	50	Tetrode sect. Make no gas test.
12DS7	12.6	EV0-9080	0	0	A	2	32	Diode No. 1.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
12DS7	12.6	EV0-1080	0	0	A	2	32	Diode No. 2.
12DT5	12.6	EV3-9170	31		C	3	60	
12DT7	12.6	EV7-6080	12		B	3	32	Triode No. 1.
12DT7	12.6	EV2-1030	12		B	3	32	Triode No. 2.
12DT8	12.6	EV7-6089	10		C	3	50	Triode No. 1.
12CT8	12.6	EV2-1039	10		C	3	50	Triode No. 2.
12DU7	12.6	EV0-3621	0	40	A	2	50	Tetrode sect. Make no gas test.
12DU7	12.6	EV0-9020	0	0	A	2	16	Diode No. 1.
12DU7	12.6	EV0-7020	0	0	A	2	16	Diode No. 2.
12DV7	12.6	EV0-6087	0	0	A	2	14	Triode sect. Make no gas test.
12DV7	12.6	EV0-3010	0	0	A	2	16	Diode No. 1.
12DV7	12.6	EV0-2010	0	0	A	2	16	Diode No. 2.
12DV8	12.6	EV0-3627	0	56	A	2	32	Tetrode sect. Make no gas test.
12DV8	12.6	EV0-9080	0	0	A	2	32	Diode No. 1.
12DV8	12.6	EV0-1080	0	0	A	2	32	Diode No. 2.
12DW5	12.6	EV3-9170	50		C	3	56	
12DW7	12.6	EV7-6080	12		B	3	32	Triode No. 1.
12 DW7	12.6	EV2-1030	24		B	3	55	Triode No. 2.
12DW8	12.6	EV7-6080	29	0	A	2	56	Triode No. 1. Make no gas test.
12DW8	12.6	EV2-1030	0	62	A	2	50	Triode No. 2. Make no gas test.
12DW8	12.6	EV0-9080	0	48	A	2	32	Diode sect.
12DY8	12.6	EV0-3621	0	42	A	2	50	Tetrode sect. Make no gas test.
12DY8	12.6	EV0-8079	0	0	A	2	22	Triode sect.
12DZ6	12.6	ET2-6571	0	23	A	2	50	Make no gas test.
12DZ8	12.6	EV3-6720	24		D	3	30	Pentode sect.
12DZ8	12.6	EV1-9080	26		B	3	15	Triode sect.
12EA6	12.6	ET2-6571	0	18	A	2	50	Make no gas test.
12EC8	12.6	EV0-7689	0	0	A	2	28	Pentode sect. Make no gas test.
12EC8	12.6	EV0-2031	0	13	A	2	38	Triode sect.
12ED5	12.6	ET2-7610	25		D	3	30	
12EG6	12.6	ET7-6521	0	0	A	2	50	Make no gas test.
12EH5	12.6	ET2-7610	31		C	3	50	
12EK6	12.6	ET2-6571	0	24	A	2	50	Make no gas test.
12EL6	12.6	ET0-2071	0	0	A	2	6	Triode sect. Make no gas test.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
12EL6	12.6	ET0-6070	0	0	A	2	20	Diode No. 1.
12EL6	12.6	ET0-5070	0	0	A	2	20	Diode No. 2.
12EM6	12.6	EV0-3621	0	25	A	2	50	Tetrode sect. Make no gas test.
12EM6	12.6	EV0-9020	0	0	A	2	25	Diode sect.
12EN6	12.6	HS5-3480	40		D	3	30	
12 EQ7	12.6	EV2-7631	29		D	3	27	Pentode sect.
12EQ7	12.6	EV0-8030	0	0	A	2	34	Diode sect.
12EZ6	12.6	ET2-6571	0	0	A	2	37	Make no gas test.
12F5	12.6	HS0-4080	12		B	3	25	Cap connects to grid.
12F8	12.6	EV9-2378	30	0	A	2	16	Pentode sect. Make no gas test.
12F8	12.6	EV0-6070	0	0	A	2	20	Diode No. 1.
12F8	12.6	EV0-1070	0	0	A	2	20	Diode No. 2.
12FK6	12.6	ET1-7020	23	0	A	2	32	Triode sect. Make no gas test.
12FK6	12.6	ET0-6025	0	0	A	2	23	Diode No. 1.
12FK6	12.6	ET0-5026	0	0	A	2	23	Diode No. 2.
12FM6	12.6	ET0-7021	0	0	A	2	31	Triode sect. Make no gas test.
12FM6	12.6	ET0-6020	0	0	A	2	25	Diode No. 1.
12FM6	12.6	ET0-5020	0	0	A	2	25	Diode No. 2.
12FQ8	12.6	EV7-8090	11		B	3	22	Triode No. 1.—Plate No. 1.
12FQ8	12.6	EV7-6030	11		B	3	22	Triode No. 1—Plate No. 2.
12FQ8	12.6	EV2-3090	11		B	3	22	Triode No. 2—Plate No. 1.
12FQ8	12.6	EV2-1090	11		B	3	22	Triode No. 2—Plate No. 2.
12FR8	12.6	EV3-6700	40	43	A	2	44	Pentode sect. Make no gas test.
12FR8	12.6	EV1-9020	25	10	A	2	40	Triode sect. Make no gas test.
12FR8	12.6	EV0-8020	0	0	A	2	26	Diode sect.
12FT6	12.6	ET1-7020	0	34	A	2	50	Triode sect. Make no gas test.
12FT6	12.6	ET0-6020	0	0	A	2	32	Diode No. 1.
12FT6	12.6	ET0-5020	0	0	A	2	32	Diode No. 2.
12FX8	12.6	EV9-1372	30	0	A	2	42	Heptode sect. Make no gas test.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
12FX8	12.6	EV0-8006	0	42	A	2	65	Triode sect. Make no gas test.
12G4	12.6	ET6-1070	23		B	3	50	
12G8	12.6	EV0-6078	0	30	A	2	50	Triode No. 1. Make no gas test.
12G8	12.6	EV0-1023	0	0	A	2	32	Triode No. 2. Make no gas test.
12GA6	12.6	ET7-6521	30	0	A	2	33	Make no gas test.
12GC6	12.6	HS5-0830	47		D	3	32	Cap connects to plate.
12GW6	12.6	HS5-0480	34		D	(1)	38	Cap connects to plate.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
12H6	12.6	HS0-5081	0	63	A	2	40	Diode No. 1.
12H6	12.6	HS0-3041	0	63	A	2	40	Diode No. 2.
12J5	12.6	HS5-3081	23		B	3	50	
12J7	12.6	HS0-3485	22		B	3	31	Cap connects to grid.
12J8	12.6	EV0-3621	0	30	A	2	50	Tetrode sect. Make no gas test.
12J8	12.6	EV0-9070	0	56	A	2	40	Diode No. 1.
12J8	12.6	EV0-8070	0	56	A	2	40	Diode No. 2.
12K5	12.6	ET2-7510	10		C	(#)	38	Make no gas test.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND before pushbutton 2.								Release pushbutton 3
12K7	12.6	HS0-3485	19		B	3	36	Cap connects to grid.
12K8	12.6	HS5-3486	11		B	3	25	Heptode sect. Cap connects to grid No. 3 hexode.
12K8	12.6	HS5-6483	0		C	3	30	Triode sect.
12L6	12.6	HS5-3480	10		D	(#)	45	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
12L8	12.6	HW1-8523	10		B	3	54	Pentode No. 1.
12L8	12.6	H W3-4521	10		B	3	54	Pentode No. 2.
12Q7	12.6	HS0-3080	17		B	3	20	Triode sect. Cap connects to grid.
12Q7	12.6	HS0-5083	0	14	A	2	40	Diode No. 1.
12Q7	12.6	HS0-4083	0	14	A	2	40	Diode No. 2.
12R5	12.6	ET2-7610	20		D	(#)	35	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT.COND.								
12S8	12.6	HY0-6020	10		B	3	23	Triode sect. Cap connects to grid.
12S8	12.6	HY0-3050	0	14	A	2	40	Diode No. 1.
12S8	12.6	HY0-4020	0	14	A	2	40	Diode No. 2.
12S8	12.6	HY0-1020	0	14	A	2	40	Diode No. 3.

DATA TABLE—Continued

Tube type	*Fila-ment*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Mini-mum value*	*Notations*
12SA7	12.6	HS8-3465			Short test only.			
12SA7	12.6	HS5-4068	0		C	3	50	
12SC7	12.6	HY4-5062	0		B	3	25	Triode No. 1.
12SC7	12.6	HY3-2065	0		B	3	25	Triode No. 2.
12SF5	12.6	HY3-5020	12		B	3	25	
12SF7	12.6	HY2-6431	0		B	3	50	Pentode sect.
12SF7	12.6	HY0-5036	0	14	A	2	40	Diode sect.
12SG7	12.6	HS4-8651	0		C	3	42	
12SH7	12.6	HS4-8651	0		C	3	43	
12SJ7	12.6	HS4-8653	22		B	3	40	
12SK7	12.6	HS4-8653	22		B	3	48	
12SL7	12.6	HY4-5062	0		B	3	32	Triode No. 1.
12SL7	12.6	HY1-2035	0		B	3	32	Triode No. 2.
12SN7	12.6	HY4-5062	23		B	3	50	Triode No. 1.
12SN7	12.6	HY1-2035	23		B	3	50	Triode No. 2.
12SQ7	12.6	HY2-6031	11		B	3	19	Triode sect.
12SQ7	12.6	HY0-5036	0	14	A	2	20	Diode No. 1.
12SQ7	12.6	H Y0-4036	0	14	A	2	20	Diode No. 2.
12SR7	12.6	H Y2-6031	18		B	3	48	Triode sect.
12SR7	12.6	HY0-5036	0	14	A	2	20	Diode No. 1.
12SR7	12.6	H Y0-4036	0	14	A	2	20	Diode No. 2.
12SW7	12.6	HY2-6031	14		B	3	48	Triode sect.
12SW7	12.6	HY0-5036	0	14	A	2	40	Diode No. 1.
12SW7	12.6	HY0-4036	0	14	A	2	40	Diode No. 2.
12SX7	12.6	H Y4-5062	14		C	3	33	Triode No. 1.
12SX7	12.6	HY1-2035	14		C	3	33	Triode No. 2.
12SY7	12.6	HS8-3465			Short test only.			
12SY7	12.6	HS5-4068	15		D	3	23	
12U7	12.6	EV0-6087	0	0	A	2	12	Triode No. 1. Make no gas test.
12U7	12.6	EV0-1032	0	0	A	2	12	Triode No. 2. Make no gas test.
12V6	12.6	HS5-3480	21		C	3	46	
12W6	12.6	HS5-3480	10		D	(#)	45	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
12X4	12.6	ET0-6070	0	30	A	7	40	Plate No. 1.
12X4	12.6	ET0 -1070	0	30	A	7	40	Plate No. 2.
12Z3	12.6	E R0-2030	0	52	A	7	40	
12Z5	12.6	GSO-5036	0	38	A	7	40	Plate No. 1.
12Z5	12.6	GSO-3040	0	38	A	7	40	Plate No. 2.
13DE7	12.6	EV7-6080	31		B	3	51	Triode No. 1.
13DE7	12.6	EV2-1090	54		D	3	33	Triode No. 2.
13DR7	12.6	EV7-6080	22		B	3	20	Triode No. 1.
13DR7	12.6	EV2-1090	54		D	3	31	Triode No. 2.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
13EM7	12.6	HY4-5060	20		B	3	25	Triode No. 1.
13EM7	12.6	HY1-2030	60		D	3	35	Triode No. 2.
13FR7	12.6	EV7-6080	20		B	3	25	Triode No. 1.
13FR7	12.6	EV3-1090	60		D	3	35	Triode No. 2.
14A4	12.6	JR6-2070	23		B	3	50	
14A5	12.6	JR6-2370	12		C	3	38	
14A7	12.6	JR6-2375	22		B	3	48	
14AF7	12.6	JR5-6070	21		C	3	33	Triode No. 1.
14AF7	12.6	JR4-3020	21		C	3	33	Triode No. 2.
14B6	12.6	JR3-2070	0		B	3	28	Triode sect.
14B6	12.6	JR0-6072	0	14	A	2	40	Diode No. 1.
14B6	12.6	JR0-5072	0	14	A	2	40	Diode No. 2.
14B8	12.6	JR6-2574				Short test only.		
14B8	12.6	JR4-6376	44		B	3	29	
14C5	12.6	JR6-2370	23		C	3	46	
14C7	12.6	JR6-2374	22		B	3	33	
14E6	12.6	JR3-2070	12		B	3	55	Triode sect.
14E6	12.6	JR0-6072	0	14	A	2	40	Diode No. 1.
14E6	12.6	JR0-5072	0	14	A	2	40	Diode No. 2.
14E7	12.6	JR6-2570	24		B	3	33	Pentode sect.
14E7	12.6	JR0-4072	0	0	A	2	30	Diode No. 1.
14E7	12.6	JR0-3072	0	0	A	2	30	Diode No. 2.
14F7	12.6	JR5-6073	0		B	3	40	Triode No. 1.
14F7	12.6	JR4-3026	0		B	3	40	Triode No. 2.
14F8	12.6	HS8-6050	10		D	3	25	Triode No. 1.
14F8	12.6	HS1-3040	10		D	3	25	Triode No. 2.
14GT8	12.6	EV8-9070	20		B	3	12	Triode sect.
14GT8	12.6	EV0-2030	0	0	A	2	32	Diode No. 1.
14GT8	12.6	EV0-6010	0	0	A	2	32	Diode No. 2.
14H7	12.6	JR6-2374	10		D	3	19	
14J7	12.6	JR6-2574	18		B	3	20	Heptode sect.
14J7	12.6	JR4-3576	18		B	3	25	Triode sect.
14JG8	12.6	EV8-9070	10		B	3	38	Triode sect.
14JG8	12.6	EV0-6010	0	70	A	2	40	Diode No. 1.
14JG8	12.6	EV0-2030	0	70	A	2	40	Diode No. 2.
14N7	12.6	JR5-6073	23		B	3	50	Triode No. 1.
14N7	12.6	JR4-3026	23		B	3	50	Triode No. 2.
14Q7	12.6	JR6-2375				Short test only.		
14Q7	12.6	JR4-3076	20		C	3	57	
14R7	12.6	JR6-2570	10		C	3	38	Pentode sect.
14R7	12.6	JR0-4072	0	0	A	2	30	Diode No. 1.
14R7	12.6	JR0-3072	0	0	A	2	30	Diode No. 2.
14S7	12.6	JR6-2574	18		B	3	38	Heptode sect.
14S7	12.6	JR4-3576	0		B	3	38	Triode sect.
14V7	12.6	JR6-2374	6		C	3	50	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
14W7	12.6	JR6-2375	10		D	3	18	
14X7	12.6	JR3-2040	0		B	3	23	Triode sect.
14X7	12.6	JR0-5040	0	67	A	2	40	Diode No. 1.
14X7	12.6	JR0-6070	0	67	A	2	40	Diode No. 2.
14Y4	12.6	JR0-6070	0	30	A	7	40	Plate No. 1.
14Y4	12.6	JR0-3070	0	30	A	7	40	Plate No. 2.
14Z3	12.6	ER0-2030	0	52	A	7	40	
15	2.0	FR0-2340	10		B	(#)	16	Cap connects to grid.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
15A6	12.6	EV2-7136	7		D	3	50	
15EA7	12.6	JX4-5060	10		B	3	39	Triode No. 1.
15EA7	12.6	JX1-2030	56		D	3	33	Triode No. 2.
15EW6	12.6	ET1-5627	24		C	3	41	Set LINE TEST at 68.
16A5	20.0	EV2-7930	27		C	3	56	Make LINE TEST at 50.
16A8	20.0	EV3-6720	26		C	3	58	Make LINE TEST at 50.
16A8	20.0	EV1-9080	21		B	3	23	Make LINE TEST at 50.
17AV5	20.0	HS1-5830	35		D	3	28	Make LINE TEST at 56.
17AX4	20.0	JX0-5030	0	54	A	7	40	Make LINE TEST at 56.
17BQ6	20.0	HS5-0480	55		C	3	50	Cap connects to plate. Make LINE TEST at 50.
17C5	20.0	ET2-7610	10		D	(#)	40	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
17CA5	20.0	ET2-7610	15		D	3	25	Make LINE TEST at 56.
17D4	20.0	HY0-5030	0	34	A	7	52	Make LINE TEST at 54.
17DE4	20.0	HY0-5030	0	38	A	7	50	Make LINE TEST at 58.
17DM4	20.0	HY0-5030	0	38	A	7	50	Make LINE TEST at 58.
17DQ6	20.0	HS5-0480	36		D	3	30	Cap connects to plate.
17EW8	20.0	EV7-6080	13		C	3	57	Triode No. 1.
17EW8	20.0	EV2-1030	13		C	3	57	Triode No. 2.
17GW6			See data following tube type 7895.					
17H3	20.0	EV0-3010	0	50	A	7	40	Make LINE TEST at 56.
17L6	20.0	HS5-3480	10		D	(#)	38	Make LINE TEST at 56.

DATA TABLE—Continued

Tube type	Filament	Selectors	Bias	Shunt	Range	Press	Minimum value	Notations
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
17 R5	20.0	ET2-7610	20		D	(#)	25	Make LINE TEST at 56.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
18A5	20.0	HS1-5830	43		C	3	60	
18DZ8	20.0	EV3-6720	24		D	3	30	Pentode sect.
18DZ8	20.0	EV1-9080	26		B	3	15	Triode sect.
18FW6	20.0	ET1-5672	24		B	3	50	
18FX6	20.0	ET1-5627	20		B	3	28	Amplifier sect.
18FX6	20.0	ET1-6027	18		D	3	30	Oscillator sect.
18FY6	20.0	ET1-7020	30	0	A	3	28	Triode sect.
18FY6	20.0	ET0-6020	0	0	A	2	26	Diode No. 1.
18FY6	20.0	ET0-5020	0	0	A	2	26	Diode No. 2.
18HB8	20.0	EV9-7680	30		C	3	46	Pentode sect.
18HB8	20.0	EV1-3020	30		B	3	17	Triode sect.
19	2.0	GS4-5000	15		B	3	25	Triode No. 1.
19	2.0	G R3 -2000	15		B	3	25	Triode No. 2.
19AU4	20.0	HY0-5030	0	66	A	7	40	
19AQ5	20.0	ET1-5620	21		C	3	46	
19BG6	20.0	HS5-0830	18		D	3	30	Cap connects plate.
19C8	20.0	EV8-9070	23		B	3	13	Triode sect.
19C8	20.0	EV8-6070	0	70	A	2	40	Diode No. 1.
19C8	20.0	EV8-2030	0	70	A	2	40	Diode No. 2.
19C8	20.0	EV8-1070	0	70	A	7	40	Cap connects to plate.
19CL8A	20.0	EV9-6780	12		D	3	20	Triode sect.
19CL8A	20.0	EV1-2030	12		D	3	35	Triode sect.
19EA8	20.0	EV2-6370	0		D	3	28	Pentode sect.
19EA8	20.0	EV9-1080	10		D	3	42	Triode sect.
19EZ8	20.0	EV9-8000	30		B	3	20	Triode No. 1.
19EZ8	20.0	EV7-6000	30		B	3	20	Triode No. 2.
19EZ8	20.0	EV2-3010	31		B	3	24	Triode No. 3.
19G3	4.3	HS0-0000	0		A	7	40	Cap connects to plate.
19HV8	20.0	EV9-6780	10		D	3	22	Pentode sect.
19HV8	20.0	EV1-2030	25		B	3	20	Triode sect.
19J6	20.0	E T5-2076	17		D	3	27	Triode No. 1.
19J6	20.0	ET6-1075	17		D	3	27	Triode No. 2.
19T8	20.0	EV8-9076	11		B	3	30	Triode sect.
19T8	20.0	EV0-6071	0	70	A	2	40	Diode No. 1.
19T8	20.0	EV0-2036	0	70	A	2	40	Diode No. 2.
19T8	20.0	EV0-1078	0	70	A	2	40	Diode No. 3.
19V8	20.0	EV6-1038	11		B	3	30	Triode sect.
19V8	20.0	EV0-9032	0	0	A	2	30	Diode No. 1.
19V8	20.0	EV0-7086	0	72	A	2	40	Diode No. 2.
19V8	20.0	EV0-2038	0	72	A	2	40	Diode No. 3.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
19X3	20.0	EV0-9030	0	63	A	7	40	
19X8	20.0	EV7-9861	9		D	3	23	Pentode sect.
19X8	20.0	EV2-3861	15		D	3	23	Triode sect.
19Y3	20.0	EV0-9030	0	63	A	7	40	
20	3.0	E R3-2000	77		B	3	13	
20EQ7	20.0	EV2-7631	29		B	3	27	Pentode sect.
20EQ7	20.0	EV0-8030	0	0	A	2	34	Triode sect.
20EZ7	20.0	C R8-7090	12		B	3	32	Triode No. 1.
20EZ7	20.0	C R5-6040	12		B	3	32	Triode No. 2.
RK20A	7.5	F R3-0240	0		C	3	32	Cap connects to plate.
VX21	1.1	CX0-4000	0	0	A	3	10	Pins: F−=2, F+=7, P=4.
21A6	20.0	EV2-0839	45		D	3	30	Cap connects to plate.
21EX6	20.0	H S5-0830	49		D	3	39	Cap connects to plate. Tubes showing shorts: retest using HS5-0310.
22	3.0	E R0-2300	20		B	(#)	13	Cap connects to grid.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT.COND.								
22DE4	25.0	H Y0-5030	0	38	A	7	50	Make LINE TEST at 58.
24	2.5	F R0-2340	12		B	3	25	Cap connects to grid.
24A	2.5	F R0-2340	12		B	3	25	Cap connects to grid.
VT25A	7.5	E R3-2000	30		B	3	50	
25A6	25.0	H S5-3480	43		B	3	58	
25A7	25.0	HS5-3486	50		B	3	45	Pentode sect.
25A7	25.0	HS0-6013	0	57	A	7	40	Rectifier sect.
25AC5	25.0	H S5-3080	0		B	3	38	
25AV5	25.0	HS1-5830	50		C	3	49	
25AX4	25.0	H Y0-5030	0	54	A	7	40	
25B5	25.0	G R4-2350	0		B	3	63	
25B6	25.0	H S5-3480	52		C	3	50	
25B8	25.0	HS0-3410	22		B	3	50	Pentode sect. Cap connects to grid.
25B8	25.0	HS8-5060	10		B	3	38	Triode sect.
25BK5	25.0	EV8-1860	0		D	3	28	
25BQ6	25.0	HS5-0480	50		C	3	56	Cap connects to plate.
25C5	25.0	E T2-7610	10		D	(#)	45	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT.COND.								
25C6	25.0	HS5-3480	33		D	3	30	
25CA5	25.0	E T2-7610	25		D	3	30	
25CD6	25.0	HS5-0830	42		D	3	33	Cap connects to plate.
25CU6	25.0	HS5-0480	50		C	3	56	Cap connects to plate.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
25D8	25.0	HS0-3410	18		B	3	48	Pentode sect. Cap connects to grid.
25D8	25.0	HS5-6010	0		B	3	28	Triode sect.
25D8	25.0	HS5-8010	0	33	A	2	40	Diode sect.
25DK4	25.0	ET0-5070	0	65	A	7	40	
25DN6	25.0	HS5-0830	28		D	(#)	45	Cap connects to plate.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
25DQ6	25.0	HS5-0480	36		D	3	30	Cap connects to plate.
25DT5	25.0	EV3-9170	31		C	3	60	
25EC6	25.0	HS5-0830	50		D	3	30	Cap connects to plate.
25EH5	25.0	E T2-7610	31		C	3	50	
25F5	25.0	ET2-7610	35		C	3	50	
25L6	25.0	HS5-3481	10		D	(#)	45	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
25N6	25.0	HS5-3480	0		B	3	63	
25T	6.3	ER3-0000	0		B	3	35	Cap connects to plate.
25W4	25.0	HY0-5030	0	63	A	7	40	
25W6	25.0	HS5-3480	56		C	3	38	
25Y5	25.0	GR0-5040	0	33	A	7	40	Plate No. 1.
25Y5	25.0	G R0-2030	0	33	A	7	40	Plate No. 2.
25Z5	25.0	GR0-5040	0	60	A	7	40	Plate No. 1.
25Z5	25.0	G R0-2030	0	60	A	7	40	Plate No. 2.
25Z5MG	25.0	HS0-5080	0	60	A	7	40	Plate No. 1.
25Z5MG	25.0	HS0-3040	0	60	A	7	40	Plate No. 2.
25Z6	25.0	HS0-5081	0	60	A	7	40	Plate No. 1.
25Z6	25.0	HS0-3041	0	60	A	7	40	Plate No. 2.
26	1.5	ER3-2000	43		B	3	29	
26A6	25.0	ET1-5672	9		C	3	50	
26A7	25.0	HW1-8523	11		D	(#)	28	Pentode No. 1.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
26A7	25.0	HW3-4521	11		D	(#)	28	Pentode No. 2.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
26BK6	25.0	ET1-7025	6		B	3	32	Triode sect.
26BK6	25.0	ET0-6025	0	40	A	2	40	Diode No. 1.
26BK6	25.0	ET0-5027	0	40	A	2	40	Diode No. 2.
26C6	25.0	ET1-7020	18		B	3	48	Triode sect.
26C6	25.0	ET1-6020	0	14	A	2	40	Diode No. 1.
26C6	25.0	ET1-5020	0	14	A	2	40	Diode No. 2.
26D6	25.0	ET7-5621				Short test only.		
26D6	25.0	ET1-6027	17		D	3	36	
26E6	25.0	HS5-3480	30		D	3	30	
26E6WG	25.0	HS5-3480	45		D	3	28	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
26Z5W	25.0	EV0-6080	0	50	A	7	40	Plate No. 1.
26Z5W	25.0	EV0-1030	0	50	A	7	40	Plate No. 2.
27	2.5	F R3-2040	41		B	3	25	
27S	2.5	F R3-2040	41		B	3	25	
28D7	25.0	J R7-5362	20		D	(#)	17	Pentode No. 1.
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
28D7	25.0	J R2-4367	20		D	(#)	17	Pentode No. 2.
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
30	2.0	E R3-2000	40		B	3	23	
31	2.0	E R3-2000	65		B	3	23	
32	2.0	E R0-2300	19		B	(#)	16	Cap connects to grid.
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
32ET5	35.0	ET2-7610	37		C	3	54	Make LINE TEST at 56.
32L7	35.0	HS5-3480	34		C	3	60	Pentode sect.
32L7	35.0	HS0-6013	0	60	A	7	40	Diode sect.
33	2.0	F R3-2400	35		B	3	36	
RK33	6.3	H R4-5060	38		B	3	34	Triode No. 1.
RK33	6.3	H R0-3020	38		B	3	34	Triode No. 2. Cap connects to grid.
34	2.0	E R0-2300	17		B	(#)	15	Cap connects to grid
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
34GD5	35.0	ET2-7610	38		C	3	60	
RK34	6.3	H R3-0040	18		C	3	33	Triode No. 1. Right cap connects to plate.
RK34	6.3	H R5-0040	18		C	3	33	Triode No. 2. Left cap connects to plate.
35	2.5	F R0-2340	24		B	3	26	Cap connects to grid
35A5	35.0	J R6-2370	33		D	3	30	
35 B5	35.0	ET1-5620	32		D	3	23	
35 C5	35.0	ET2-7610	32		D	3	23	
35CD6	35.0	HS5-0830	42		D	3	33	Cap connects to plate
35DZ8	35.0	EV3-6720	24		D	3	30	Pentode sect.
35DZ8	35.0	EV 1-9080	26		B	3	15	Triode sect
35EH5	35.0	ET2-7610	10		D	3	35	
35GL6	35.0	ET2-7510	35		D	3	32	
35HB8	35.0	EV9-7680	30		C	3	46	Pentode sect.
35HB8	35.0	EV1-3020	30		B	3	17	Triode sect.
35L6	35.0	HS5-3480	33		D	3	30	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Mini-value*	*Notations*
35W4	BLST	ET0-1670						Short on 1, 2, 3, 4, and 5.
35W4	35.0	ET0-5070	0	65	A	7	40	Rectifier sect.
35Y4	BLST	JR0-2470						Short on 1, 2, 3, 4, and 5.
35Y4	35.0	JR0-2070	0	65	A	7	40	Rectifier sect.
35Z3	35.0	JR0-2070	0	65	A	7	40	
35Z4	35.0	HS0-5080	0	65	A	7	40	
35Z5	BLST	HS0-5380						Short on 1, 2, 3, 4, and 5.
35Z5	35.0	HS0-5080	0	65	A	7	40	Rectifier sect.
35Z6	35.0	H S0-5080	0	65	A	7	40	Plate No. 1.
35Z6	35.0	HS0-3040	0	65	A	7	40	Plate No. 2.
36	6.3	FR0-2340	24		B	3	26	Cap connects to grid.
36AM3	35.0	ET0-5070	0	40	A	7	50	
37	6.3	FR3-2040	41		B	3	23	
38	6.3	FR0-2340	39		B	3	26	Cap connects to grid.
38A3	35.0	EV0-1030	0		A	7	40	
39/44	6.3	FR0-2340	28		B	3	25	Cap connects to grid.
T40	7.5	ER3-0000	0		B	3	30	Cap connects to plate.
40	5.0	E R3-2000	32		B	8	55	
40FR5	35.0	ET2-7610	40		C	3	52	
40Z5	B LST	H S0-5380						Short on 1, 2, 3, 4, and 5.
40Z5	50.0	HS0-5080	0	65	A	7	40	
41	6.3	GR4-2350	34		B	3	40	
42	6.3	G R4-2350	29		B	3	50	
43	25.0	GR4-2350	43		B	3	58	
45	2.5	ER3-2000	61		B	3	47	
45Z3	50.0	HR0-2040	0	58	A	7	40	
45Z5	BLST	HS0-5380						Short on 1, 2, 3, 4, and 5.
45Z5	50.0	HS0-5080	0	65	A	7	40	Rectifier sect.
46	2.5	FR3-2400	30		B	3	50	
47	2.5	FR3-2400	22		B	3	50	
48	25.0	G R4-2350	58		B	3	50	
49	2.0	F R3-2400	49		B	3	28	
50	7.5	E R3-2000	61		B	3	38	
50A5	50.0	JR6-2370	10		D	(#)	45	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
50AX6	50.0	HS0-5080	0	65	A	7	40	Plate No. 1.
50AX6	50.0	HS0-3040	0	65	A	7	40	Plate No. 2.
50B5	50.0	ET1-5620	10		D	(#)	45	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
50BK5	50.0	E V3-1860	0		D		3	28
50C5	50.0	ET2-7610	10		D	(#)		45
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
50C6	50.0	H S5-3481	33		D		3	30
50CD6	50.0	HS5-0830	42		D		3	33 Cap=P.
50DC4	50.0	ET0-5070	0	44	A		7	60
50EH5	50.0	ET2-7610	31		C		3	50
50FA5	50.0	ET2-7610	38		C		3	65
50FE5	50.0	HS5-3480	45		D		3	60
50FK5	50.0	ET2-7610	27		C		2	60
50FY8	50.0	EV3-6720	20		D		3	31 Pentode sect.
50FY8	50.0	E V1-9080	30		B		3	23 Triode sect.
50L6	50.0	HS5-3480	10		D	(#)		45
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
50X6	50.0	JR0-6075	0	60	A		7	40 Plate No. 1.
50X6	50.0	JR0-3025	0	60	A		7	40 Plate No. 2.
50Y6	50.0	HS0-5080	0	60	A		7	40 Plate No. 1.
50Y6	50.0	HS0-3040	0	60	A		7	40 Plate No. 2.
50Y7	BLST	HS0-0600						Short on 1, 2, 3, 4, and 5.
50Y7	50.0	HS0-5080	0	60	A		7	40 Plate No. 1.
50Y7	50.0	HS0-3040	0	60	A		7	40 Plate No. 2.
50Z7	BLST	HS0-0600						Short on 1, 2, 3, 4, and 5.
50Z7	50.0	HS0-5080	0	60	A		7	40 Plate No. 1.
50Z7	50.0	HS0-3040	0	60	A		7	40 Plate No. 2.
HD51	BLST	AP0-1020	0	32	A		4	40 Short on 1, 2, 3, 4, and 5.
51/51S	2.5	FR0-2340	24		B		3	26 Cap connects to grid
52	6.3	FR3-2400	33		C		3	30
53	2.5	HR5-6042	12		B		3	38 Triode No. 1.
53	2.5	HR3-2046	12		B		3	38 Triode No. 2.
55	2.5	GR0-2050	39		B		3	24 Triode sect. Cap connects to grid.
55	2.5	GR0-4050	0	14	A		2	40 Diode No 1.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
55	2.5	GR0-3050	0	14	A	2	40	Diode No. 2.
56	2.5	FR3-2040	29		B	3	37	
57	2.5	GR0-2354	21		B	3	31	Cap connects to grid No. 1.
57A	6.3	GR0-2354	21		B	3	31	Cap connects to grid.
58	2.5	GR0-2354	24		B	3	36	Cap connects to grid No. 1.
58A/58AS	6.3	GR0-2354	24		B	3	36	Cap connects to grid.
59	2.5	HR4-2365	22		B	3	50	
60FX5	50.0	ET2-7610	15		D	3	31	
HY65	6.3	HS5-0408	0		C	3	38	Cap connects to plate.
KT-66	6.3	HS5-3481	15		D	3	32	
VT67	2.0	ER3-2000	40		B	3	23	
HY69	6.3	FR3-0240	0		C	3	38	Cap connects to plate.
70A7	75.0	HS5-3480	50		C	3	38	Pentode sect.
70A7	75.0	HS0-1000	0	65	A	(#)	40	Rectifier sect.
#Hold down pushbutton 8-METER REV. and press pushbutton 7-RECT.								
70L7	75.0	HS5-3460	41		C	3	63	Pentode sect.
70L7	75.0	HS0-8013	0	65	A	7	40	Rectifier sect.
71A	5.0	ER3-2000	73		B	3	42	
72	2.5	ER0-0000	0	80	A	4	40	Cap connects to plate.
75	6.3	GR0-2050	11		B	3	19	Triode sect. Cap connects to grid.
75	6.3	GR 0-4052	0	14	A	2	40	Diode No. 1.
75	6.3	GR0-3052	0	14	A	2	40	Diode No. 2.
75MG	6.3	HS0-4080	11		B	3	19	Triode sect. Cap connects to grid.
75MG	6.3	HS0-5080	0	14	A	2	40	Diode No. 1.
75MG	6.3	H S0-6080	0	14	A	2	40	Diode No. 2.
76	6.3	FR3-2040	29		B	3	36	
77	6.3	GR0-2354	21		B	3	31	Cap connects to grid.
78	6.3	GR0-2354	24		B	3	36	Cap connects to grid No. 1.
79	6.3	GR0-5040	15		B	3	25	Triode No. 1. Cap connects to grid.
79	6.3	GR3-2040	15		B	3	25	Triode No. 2.
80	5.0	ER0-3000	0	0	A	7	40	Plate No. 1.
80	5.0	ER0 -2000	0	0	A	7	40	Plate No. 2.
81	7.5	ER0-2000	0	40	A	6	40	
82	2.5	ER0-3000	0	70	A	7	40	Plate No. 1.
82	2.5	ER0-2000	0	70	A	7	40	Plate No. 2.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
83	5.0	ER0-3000	0	66	A	7	40	Plate No. 1.
83	5.0	E R0-2000	0	63	A	7	40	Plate No. 2.
83 V	5.0	ER0-3000	0	60	A	7	40	Plate No. 1.
83V	5.0	ER0-2000	0	60	A	7	40	Plate No. 2.
84	6.3	FR0-3040	0	46	A	7	40	Plate No. 1.
84	6.3	FR0-2 040	0	46	A	7	40	Plate No. 2.
85	6.3	GR0 -2050	39		B	3	25	Triode sect. Cap connects to grid.
85	6.3	GR0-4052	0	14	A	2	40	Diode No. 1.
85	6.3	GR0-3052	0	14	A	2	40	Diode No. 2.
85AS	6.3	GR0-2050	28		B	3	28	Triode sect. Cap connects to grid.
85AS	6.3	GR0 4052	0	14	A	2	40	Diode No. 1.
85AS	6.3	GR0 -3052	0	14	A	2	40	Diode No. 2.
89/89Y	6.3	GR0-2354	37		B	3	39	Cap connects to grid.
99	3.0	ER3-2000	55		B	3	11	
101D	4.3	E R3-2000	55		B	3	28	
101F	4.3	ER3-2000	53		B	3	28	
102D	2.0	ER3-2000	25		B	3	13	
102F	2.0	ER3-2000	25		B	3	14	
104D	4.3	ER3-2000	75		B	3	28	
CK108	6.3	G R0-2354	21		B	3	31	Cap connects to grid
112A	5.0	ER3 -2000	44		B	3	42	
CK113	50.0	HS5-3486	48		B	3	45	Pentode sect.
CK113	50.0	HS0 6010	0	57	A	7	40	Rectifier sect.
HY114	1.5	HS0-0000	19		B	3	28	Right cap connects to plate. Left cap connects to grid.
KT88	6.3	HS5-3481	12		D	3	44	
117L7	117.0	HS4-3580	37		C	3	50	Pentode sect.
117L7	117.0	HS0 6010	0	65	A	7	40	Rectifier sect.
117M7	117.0	HS4-3580	37		C	3	50	Pentode sect.
117M7	117.0	HS0 6010	0	65	A	7	40	Rectifier sect.
117N7	117.0	HS4 -3560	37		D	3	25	Pentode sect.
117N7	117.0	HS0-800 0	0	71	A	(±)	40	Rectifier sect.

±Hold down pushbutton 8-METER REV. and press pushbutton 7-RECT.

117P7	117.0	HS4-3560	37		C	3	50	Pentode sect.
117P7	117. 0	HS0-8000	0	71	A	(#)	40	Rectifier sect.

#Hold down pushbutton 8-METER REV. and press pushbutton 7-RECT.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
117Z3	117.0	ET0–5060	0	65	A	7	40	
117Z4	117.0	HS0–5080	0	65	A	7	40	
117Z6	117.0	HS0–5080	0	65	A	7	40	Plate No. 1.
117Z6	117.0	HS0–3040	0	65	A	7	40	Plate No. 2.
X-155	6.3	EV7–6089	16		D	3	30	Triode No. 1.
X-155	6.3	EV2–1039	16		D	3	30	Triode No. 2.
C182	5.0	ER3–2000	83		B	3	25	
C182A	5.0	ER3–2000	79		B	3	38	
182B	5.0	ER3–2000	58		B	3	38	
183	5.0	ER3–2000	79		B	3	38	
205F	5.0	ER3–2000	34		B	3	37	
231D	3.0	ER3–2000	49		B	3	14	
244A	2.0	FR3–2040	42		B	3	23	
245A	2.0	FR0–2340	55		B	3	18	Cap connects to grid.
247A	2.0	FR3–2040	33		B	3	23	
TS251	50.0	HS5–3486	50		B	3	45	Pentode sect.
TS251	50.0	HS0–6013	0	57	A	7	40	Rectifier sect.
257A	3.0	ER0–2000	49		B	3	14	Cap connects to grid.
259A	2.0	FR0–2340	33		B	3	28	Cap connects to grid.
262B	10.0	ER0–2030	31		B	3	25	Cap connects to grid.
264B	1.5	ER3–2000	49		B	3	14	
264C	1.5	ER3–2000	54		B	3	14	
271A	5.0	FR3–2040	32		C	3	36	
272A	10.0	FR3–2040	51		B	3	24	
274A	5.0	ER0–2000	0	26	A	7	40	Plate No. 1.
274A	5.0	ER0–3000	0	26	A	7	40	Plate No. 2.
274B	5.0	JS0–6000	0	26	A	7	40	Plate No. 1.
274B	5.0	JS0–4000	0	26	A	7	40	Plate No. 2.
275A	5.0	ER3–2000	68		C	3	34	
283A	2.0	FR0–2340	28		B	3	25	Cap connects to grid.
285A	2.0	FR0–2304	40		B	3	23	Cap connects to grid.
286A	2.0	GR0–2354	31		B	3	23	Cap connects to grid.
290A	10.0	GR0–2354	31		B	3	26	Cap connects to grid.
291A	10.0	HR5–3462	44		B	3	25	Cap connects to grid.
292A	10.0	GR0–2050	36		B	3	16	Triode sect. Cap connects to grid.
292A	10.0	GR0–4052	0	28	A	2	40	Diode No. 1.
292A	10.0	GR0–3052	0	28	A	2	40	Diode No. 2.
293A	10.0	GR4–2350	43		B	3	26	
294A	10.0	FR0–2340	43		B	3	26	Cap connects to grid.
300B	5.0	ER3–2000	60		C	3	58	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
303A	2.0	GR0-2050	36	——	B	3	16	Triode sect. Cap connects to grid.
303A	2.0	GR0-4052	0	0	A	2	40	Diode No. 1.
303A	2.0	GR0-3052	0	0	A	2	40	Diode No. 2.
307A	5.0	FR3-0204	32		B	3	64	Cap connects to plate
309A	10.0	FR0-2340	31		B	3	23	Cap connects to grid.
310A	10.0	GR0-2354	26		B	3	30	Cap connects to grid.
310 B	10.0	GR0-2354	26		B	3	30	Cap connects to grid.
311A	10.0	FR0-2340	38		C	3	30	Cap connects to grid.
313CA		AP4-2010	0	80	A	4	40	
328A	7.5	GR0-2354	16		B	3	44	Cap connects to grid
329A	7.5	FR0-2340	38		C	3	31	Cap connects to grid
336A	10.0	GR4-2350	10		D	3	16	
337A	10.0	GR0-2354	30		B	3	21	Cap connects to grid
338A	10.0	BV3-2040	(#)	89	A	4	40	
#Should strike between settings 50 and 40 of the BIAS dial.								
339A	5.0	FR3-0240	0		C	3	40	Cap connects to plate
347A	6.3	HS0-4080	30		B	3	23	Cap connects to grid.
348A	6.3	HS0-3485	13		B	3	45	Cap connects to grid.
349A	6.3	HS5-3480	10		D	3	20	
350A	6.3	FR3-0240	21		D	3	32	Cap connects to plate
350B	6.3	HS5-3480	25		D	3	31	
351 A	6.3	HS0-5081	0	55	A	7	40	Plate No. 1.
351A	6.3	HS0-3081	0	55	A	7	40	Plate No. 2.
352A	10.0	GR0-2050	36		B	3	16	Triode sect. Cap connects to grid
352A	10.0	GR0-4050	0	28	A	2	40	Diode No. 1.
352A	10.0	GR0-3050	0	28	A	2	40	Diode No. 2.
367 A	6.3	BV6-2480	28		D	3	30	
373A	2.0	HS4-8603	13		B	3	25	
374 A	3.0	HS4-8603	40		D	3	14	
375A	20.0	HS5-3480	53		C	3	47	
381A	6.3	JS0-5010	0	49	A	2	40	Diode.
383A	6.3	JS4-6010	25		D	3	14	
385A	6.3	JS5-0318	15		D	3	12	Cap connects to plate.
387A	6.3	JS5-0318	15		D	3	16	Cap connects to plate.
393A	3.0	JR4-0000	(#)	90	A	4	40	Cap connects to plate.
#Should strike between settings 36 and 26 of the BIAS dial.								
396A	6.3	KR7-6082	17		D	3	26	Triode No. 1.
396A	6.3	KR3-4028	17		D	3	26	Triode No. 2.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
398A	6.3	HS4-8603	35		D	3	27	
399A	1.1	BX6-2300	9		B	(#)	18	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
400A	1.1	BX4-3062	50		B	3	25	
401A	6.3	ET1-5670	12		B	(#)	50	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
403A	6.3	ET1-5620	10		D	3	22	
403B	6.3	ET1-5620	10		D	3	21	
407A	20.0	KR7-6082	17		D	3	26	Triode No. 1.
407A	20.0	KR3-4028	17		D	3	26	Triode No. 2.
408A	20.0	ET1-5620	10		D	3	22	
409A	6.3	ET1-5627	14		B	3	44	
412A	6.3	EV0-9070	0	59	A	7	40	Plate No. 1.
412A	6.3	EV0-1030	0	59	A	7	40	Plate No. 2.
420	2.5	ER0-3000	0	70	A	7	40	Plate No. 1.
420	2.5	ER0-2000	0	70	A	7	40	Plate No. 2.
420A	12.6	EV6-8073	0		B	3	25	Triode No. 1.
420A	12.6	EV3-1026	0		B	3	25	Triode No. 2.
421A	6.3	HY4-5062	63		D	3	40	Triode No. 1.
421A	6.3	HY1-2035	63		D	3	40	Triode No. 2.
422A	5.0	JS0-6000	0	63	A	7	40	Plate No. 1.
422A	5.0	JS0-4000	0	63	A	7	40	Plate No. 2.
446A	6.3	HS0-0080	0		C	3	30	Cap connects to plate. Ring connects to grid.
482A	5.0	ER3-2000	79		B	3	38	
482B	5.0	ER3-2000	57		B	3	38	
483	5.0	ER3-2000	70		B	3	34	
484	3.0	FR3-2040	37		B	3	33	
484A	3.0	FR3-2040	37		B	3	33	
485	3.0	FR3-2040	37		B	3	33	
486	3.0	FR3-2040	43		B	3	11	
GL502	6.3	HS5-3680	(#)	62	A	7	40	
	#Should strike between settings 80 and 70 of the BIAS dial.							
CK502AX	1.1	DV4-1200	18		B	(#)	15	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
CK503AX	1.1	DV4-1200	30		B	(#)	6	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
CK505AX	0.6	DV4-1200	0		B	(#)	4	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
CK506AX	1.1	DV4-1200	33		B	(#)	13	

DATA TABLE—Continued

Tube type	*Fila-ment*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Mini-mum value*	*Notations*
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
CK510AX	0.6	EX1-2300	0	0	A	4	4	Sect. No. 1.
CK510AX	0.6	EX6-5300	0	0	A	4	4	Sect. No. 2.
CK512AX	0.6	DV4-1200	30	0	A	4	20	
CK518AX	1.1	DV4-1200	45	0	A	4	40	
CK522AX	1.1	DV4-1200	38	0	A	4	40	
C K523AX	1.1	DV4-1200	47	0	A	4	40	
CK524AX	1.1	DV4-1200	76	0	A	4	40	
CK525AX	1.1	DV4-1200	48	0	A	4	40	
CK526AX	1.1	DV4-1200	59	0	A	4	40	
CK527AX	1.1	DV4-1200	32	0	A	4	20	
CK528AX	1.1	DV4-1200	37	0	A	4	40	
CK529AX	1.1	DV4-1200	67	0	A	4	40	
CK533AX	1.1	DV4-1200	40	0	A	4	38	
CK535AX	1.1	DV4-1200	67	0	A	4	40	
CK541DX	1.1	DV4-1200	41	0	A	4	12	
CK542DX	1.1	DV4-2100	19	0	A	2	12	
CK543DX	0.6	DV4-2100	0	0	A	2	15	
CK544DX	1.1	DV4-1200	30	0	A	4	20	
GL546	6.3	ET1-7520	(#)	60	A	7	40	
#Should strike between settings 80 and 70 of the BIAS dial.								
CK547DX	1.1	DV4-1200	41	0	A	4	12	
CK548DX	1.1	DV4-1200	56	0	A	4	12	
CK551AX	1.1	EW5-1200	20		B	(#)	10	Pentode sect.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
CK551AX	1.1	EW0-3000	0	0	A	2	6	Diode sect.
CK553AX	1.1	DV4-1200	0		B	(#)	10	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
CK556AX	1.1	ES3-1000	37		B	3	25	
559	6.3	HS0-0080	0	63	A	2	40	Diode. Cap connects plate.
CK568AX	1.1	ES3-1000	40		B	3	11	
CK569AX	1.1	DV4-1200	24		B	3	19	
CK571AX	1.1	DU7-1200	92		B	3	4	
CK573AX	1.1	CU3-1000	34		B	3	50	
CK574AX	0.6	DV4-2100	0	0	A	2	11	
CK605CX	6.3	DU7-1265	10		D	3	22	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
CK606BX	6.3	CT0–1040	0	69	A	2	40	Diode.
CK608CX	6.3	DU5–1060	20	———	D	3	25	
CX619CX	6.3	CT4–1050	5	———	D	3	20	
629	2.5	FR3–2040	(#)	87	A	4	40	
#Should strike between settings 37 and 27 of the BIAS dial.								
713A	6.3	HS4–8630	0	———	C	3	44	
717A	6.3	HS4–8630	16	———	D	3	18	
801A	7.5	ER3–2000	0		B	3	38	
802A	6.3	HR4–0365	22		B	3	50	Cap connects to plate.
807	6.3	FR3–0240	33		C	3	48	Cap connects to plate.
809	6.3	ER3–0000	0		B	3	42	Cap connects to plate.
811	6.3	ER3–0000	0		B	3	36	Cap connects to plate.
812	6.3	ER3–0000	0		B	3	56	Cap connects to plate.
814	10.0	FR3–0240	0	———	C	3	38	Cap connects to plate.
815	6.3	BV2–0437	31	———	C	3	50	Pentode No. 1. Right cap connects to plate.
815	6.3	JV7–0432	31	———	C	3	50	Pentode No. 2. Left cap connects to plate. Short on 3.
816	2.5	ER0–0000	0	69	A	7	40	Cap connects to plate.
SD828A*	6.3	EW3–1520	18	———	D	3	16	E basing.
SD828E*	6.3	EW3–0512	17	———	D	3	15	E basing. Top lead connects to plate.
829B	6.3	HS4–5613	0	———	D	3	20	Plate No. 1.
			Use adapter E105.					
829B	6.3	HS4–8613	0	———	D	3	20	Plate No. 2.
			Use adapter E105.					
832A	6.3	HS4–5613	0	———	C	3	44	Plate No. 1.
			Use adapter E105.					
832A	6.3	HS4–8613	0		C	3	44	Plate No. 2.
			Use adapter E105.					
834	7.5	ER0–0000	0	———	B	3	46	Near cap connects to grid. Far cap connects to plate.
836	3.0	ER0–0000	0	56	A	7	40	Cap connects to plate.
837	12.6	HR4–0365	0	———	C	3	50	Cap connects to plate.
841	7.5	ER3–2000	0		B	3	25	
842	7.5	ER3–2000	61	———	B	3	80	
843	2.5	FR3–2040	12	———	B	3	42	
864	1.1	ER3–2000	45	———	B	3	16	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
865	7.5	ER3-0200	34	–	B	3	16	Cap connects to plate.
866A	3.0	ER0-0000	0	67	A	7	40	Cap connects to plate.
871	2.5	ER0-0000	0	65	A	7	40	Cap connects to plate.
874		AP0-3010	0	53	A	4	40	
879	2.5	ER0 -0000	0	78	A	4	40	Cap connects to plate.
884	6.3	HS5-3080	(#)	90	A	4	40	
	#Should strike between settings 82 and 72 of the BIAS dial.							
885	2.5	FR3-2040	(#)	90	A	4	40	
	#Should strike between settings 82 and 72 of the BIAS dial.							
SD917A*	6.3	DU2-1050	31	- - - -	B	3	12	C basing.
SN944*	6.3	EW3-0512	26		B	3	33	E basing. Top lead connects to plate.
SN946*	6.3	CT0-1040	0	70	A	2	40	A basing. Diode.
SN947C*	6.3	CU6-1350	54		C	3	38	E basing.
SN947D*	6.3	DW1-5780	54		C	3	38	F basing.
SN949C*	6.3	DW7-1250	(#)	58	A	7	40	F basing.
	#Should strike between settings 80 and 70 of the BIAS dial.							
950	2.0	FR3-2400	45	----	B	3	24	
951	2.0	ER0-2300	18	–	B	(#)	16	Cap connects to grid.
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
SN953D*	6.3	DW1-5720	25	----	D	3	21	F basing.
954	6.3	GR8-0374	30		B	3	18	Cap connects to plate.
SN954*	6.3	ES0-1030	0	40	A	7	40	B basing.
SN954B*	6.3	DW0-2050	0	40	A	7	40	F basing.
955	6.3	GR4-3070	22		B	3	48	
SN955B*	6.3	DW1-7084	28		B	3	33	F basing. Triode No. 1.
SN955B*	6.3	DW2-5084	28	----	B	3	33	F basing. Triode No. 2.
956	6.3	GR8-0374	30	----	B	3	31	Cap connects to plate.
SN956B	1.1	BS0-0000	0	0	A	7	4	Top lead connects to plate.
957	1.5	GR4-3000	28	----	B	3	16	
SN957A*	6.3	FT4-1020	36	----	B	3	30	D basing.
958	1.5	GR4-3000	41	----	B	3	30	
958A	1.1	GR4-3000	45	----	B	3	16	
959	1.5	GR8-0300	25	----	B	(#)	15	Cap connects to plate
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
SN972D*	6.3	DW1-5740	21	----	B	3	50	F basing.

DATA TABLE--Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
SN973B*	6.3	GT1-5740	22		C	3	31	F basing.
SN976C*	6.3	DW1-5740	49		C	3	50	F basing.
SD933C*	6.3	DW1-8050	20		D	3	29	F basing.
SD995B*	6.3	DW1 5740	21		B	3	50	F basing.
FM1000	6.3	JR2-4536	12		B	3	38	Grid No. 1.
FM 1000	6.3	JR6-4532	12		B	3	38	Grid No. 2.
1003		HS0-5080	0	70	A	6	40	Plate No. 1.
	#Hold down pushbutton 6-0Z4 for 5 seconds							
1003		HS0-2080	0	70	A	6	40	Plate No. 2.
	#Hold down pushbutton 6-0Z4 for 5 seconds.							
CK1005	6.3	GY0- 3050	0	89	A	4	40	Plate No. 1.
CK1005	6.3	GY0-5030	0	89	A	4	40	Plate No. 2.
SN1006*	6.3	FT4- 1020	28		B	3	12	D basing.
1007	1.1	HY0 -3010	0	48	A	6	40	Plate No. 1.
1007	1.1	HY0-5010	0	48	A	6	40	Plate No. 2.
CK1027		AP0-4070	0	83	A	4	40	Cap connects to plate.
CK1042	A	P0-1050	0	35	A	6	40	
E1148	6.3	HS0-0080	14		B	3	56	Right cop connects to plate. Left cap connects to grid.
1201	6.3	JS1-3040	15		B	3	38	
1203	6.3	JR0-4070	0	52	A	2	40	Diode.
1204	6.3	HS5-3140	10		B	3	46	
1206	6.3	JR5-7362	10		B	3	53	Tetrode No. 1.
1206	6.3	JR4-2367	10		B	3	53	Tetrode No. 2.
1222	6.3	GR4-2378	23		D	3	25	
1229	2.0	ER0-2300	19		B	(#)	16	Cap connects to grid.
	#Hold down pushbutton 2-D IODE and press pushbutton 3-MUT. CO ND.							
1230	2 0	ER3-2000	40		B	3	23	
1231	6.3	JR6-2374	0		C	3	32	
1232	6.3	JR6-2374	18		B	3	50	
1237	2.5	HS0-3000	0	76	A	7	40	Plate No. 1. Short on 1, 2, 3, 4, and 5.
1237	2.5	HS0- 6000	0	76	A	7	40	Plate No. 2. Short on 1, 2, 3, 4, and 5.
1247*	0.6	EV0-0000	0	0	A	2	40	F basing. Top lead connects to plate.
HY1269	12.6	FR3-0240	0		C	3	50	Cap connects to plate. Short on 3.
1273	6.3	JR6-2374	11		B	3	58	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
1274	6.3	HS0-5083	0	42	A	7	40	Plate No. 1.
1274	6.3	HS0-3085	0	42	A	7	40	Plate No. 2.
1280	12.6	JR6-2374	22		B	3	33	
1282	6.3	JR6-2375	10		D	3	18	
1284	12.6	JR6-2374	28		B	3	50	
1285	25.0	HS5-3480	36		D	3	29	
1291	2.5	JR6-7000	12		B		38	Triode No. 1.
1291	2.5	JR3-2000	25		B	3	38	Triode No. 2.
1293	1.5	JR6-2000	30		B	3	33	
1294	1.5	JR0-4070	0	27	A	2	40	Diode.
1299	2.5	JR6-2300	37		B	3	52	
SR1553D	6.3	ET2-1050	0		D	3	38	
1602	7.5	ER3-2000	39		B	3	32	
1603	6.3	GR0-2354	21		B	3	31	Cap connects to grid
1609	1.1	FR3-2400	0		B	(#)	18	

#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.

1610	2.5	FR3-2400	22		B	3	50	
1611	6.3	HS5-3481	29		B	3	50	
1612	6.3	HS0-3485	23		B	3	16	Cap connects to grid
1612	6.3	HS5-3481	27		B	3	16	Pin grid.
1613	6.3	HS5-3480	0		B	3	56	
1614	6.3	HS5-3481	23		D	3	25	
1616	3.0	ER0-0000	0	46	A	6	40	Cap connects to plate
1619	2.5	HS5-3408	12		C	3	43	
1620	6.3	HS0-3485	22		B	3	31	Cap connects to grid.
1621	6.3	HS5-8480	29		B	3	50	
1622	6.3	HS5-3480	23		D	3	25	
1623	6.3	ER3-0000	0		B	3	56	Cap connects to plate.
1624	2.5	FR3-0000	17		C	3	50	Cap connects to plate.
1625	12.6	HR4-0360	33		C	3	40	Cap connects to plate.
1626	12.6	HS5-3080	52		B	3	53	
1629	12.6	HS5-4080	0	100	A	3		Eye open.
1629	12.6	HS5-4380	0	100	A	3		Eye closed.
1631	12.6	HS5-3481	23		D	3	25	
1632	12.6	HS5-3480	10		D	(#)	45	

#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.

1633	25.0	HY4-5060	23		B	3	50	Triode No. 1.
1633	25.0	HY1-2030	23		B	3	50	Triode No. 2.
1634	12.6	HY4-5061	0		B	3	25	Triode No. 1
1634	12.6	HY3-2061	0		B	3	25	Triode No. 2.

DATATABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
1635	6.3	HS4-3080	0		B	3	22	Triode No. 1.
1635	6.3	HS5-6080	0		B	3	22	Triode No. 2.
1641	5.0	ER0-0000	0	0	A	7	50	Left cap is the plate.
1641	5.0	BU0-0000	0	0	A	7	50	Right cap is the plate.
1642	6.3	HR4-5060	38		B	3	34	Triode No. 1.
1642	6.3	HR0-3020	38		B	3	34	Triode No. 2. Cap connects to grid.
1644	12.6	HW1-8523	10		B	3	54	Pentode No. 1.
1644	12.6	HW3-4521	10		B	3	54	Pentode No. 2.
1650	6.3	GR4-3070	22		B	3	48	
1654	1.5	BX0-0000	0	56	A	4	32	Cap connects to plate.
1655	6.3	HY4-5062	0		B	3	25	Triode No. 1.
1655	6.3	HY3-2065	0		B	3	25	Triode No. 2.
1657	6.3	HS5-3068	(#)	90	A	4	40	
	#Should strike between settings 43 and 33 of the BIAS dial.							
1658	2.0	E R3-2000	40		B	3	23	
1659	2.5	GR0-2050	11		B	3	19	Triode sect. Cap connects to grid.
1659	2.5	GR0-4050	0	14	A	2	40	Diode No. 1.
1659	2.5	GR0-3050	0	14	A	2	40	Diode No. 2.
1662	2.5	BX4-2300	33		B	3	50	
1851	6.3	HS0-3485	10		D	3	25	Cap connects to grid.
1852	6.3	H S4-8653	10		D	3	30	
1853	6.3	HS4-8653	0		C	3	44	
2050	6.3	HS5-3068	(#)	90	A	4	40	
	#Should strike between settings 43 and 33 of the BIAS dial.							
2051	6.3	HS5-3068	(#)	90	A	4	40	
	#Should strike between settings 43 and 33 of the BIAS dial.							
5516	6.3	HS5-0310	20		C	3	50	Cap connects to plate. Short on 3.
5517	BLST	AP0-4070	0	44	A	6	40	Cap connects to plate.
5556	4.3	ER3-2000	26		B	3	25	
5590	6.3	ET1-5670	12		B	(#)	50	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
5591	6.3	ET1-5620	10		D	3	21	
5603	6.3	HS4-8603	35		D	3	27	
5608A	2.5	HR5-6042	12		B	3	38	Triode No. 1.
5608 A	2.5	HR3-2046	12		B	3	38	Triode No. 2.
5610	6.3	ET6-1020	27		C	3	50	

DATA TABLE—Continued

Tube type	Filament	Selectors	Bias	Shunt	Range	Press	Minimum value	Notations
5618	6.3	BX6-2340	24		C	3	38	
5633*	6.3	EW3-0512	26		B	3	33	E basing. Top lead connects to plate.
5634*	6.3	EW3-0512	17		D	3	15	E basing. Top lead connects to plate.
5635*	6.3	DW1-7084	28		B	3	33	F basing. Triode No. 1.
5635*	6.3	DW2-5084	28	B		3	33	F basing. Triode No. 2.
5636	6.3	D W1-5724	22		B	3	33	Grid No. 1.
5636	6.3	DW4-5721	22		B	(#)	12	Grid No. 3.
#Hold down pushbu tton 2-DIODE and press pushbutton 3-M UT. COND.								
5637*	6.3	DU2- 1050	31		B	3	12	C basing.
5638*	6.3	EW3-1520	18		D	3	16	E basing.
5639*	6.3	DW1-5720	25		D	3	21	F basing.
5640*	6.3	DW1-5780	54		C	3	38	F basing.
5641*	6.3	DW0-2050	0	40	A	7	40	B basing.
5642	1.1	BS0-0000	0	0	A	7	4	Top lead connects to plate.
5643*	6.3	DW7-1250	(#)	58	A	7	40	F basing.
#Should strike between settings 80 and 70 of the BIAS dial.								
5645*	6.3	FT 1020	36		B	3	30	D basing.
5646*	6.3	FT4-1 020	28		B	3	12	D basing.
5647*	6.3	CT0-1040	0	70	A	2	40	A basing. Diode.
5651		AP0-1070	0	50	A	4	40	
5654	6.3	ET1-5620	10		D	3	22	
5656	6.3	EV2-8193	0		C	(#)	43	Tetrode No. 1.
#Hold down pushbutton 2- DIODE and press pushbutton 3-MUT. COND.								
5656	6.3	EV3-7192	0		C	(#)	43	Tetrode No. 2.
#Hold down pushbutton 2- DIODE and press pushbutton 3-MUT. CO ND.								
5659	12.6	HS5-3480	22		C	3	38	
5660	12.6	HS0-3680	8		B	3	34	Pentode sect. Cap connects to grid.
5660	12.6	HS 0-5680	0	23	A	2	40	Diode No. 1.
5660	12.6	H S0-4680	0	23	A	2	40	Diode No. 2.
5661	6.3	HS4-8653	21		B	3	50	
5662	6.3	ET1-7050	(#)	90	A	4	40	

Should strike between settings 40 and 30 of the BIAS dial.

DATA TABLE—Continued

5663	6.3	ET1-7520	(#)	66	A	7	40	

#Should strike between settings 80 and 70 of the BIAS dial.

5670	6.3	KR7-6080	17		D	3	26	Triode No. 1.
5670	6.3	KR3-4020	17		D	3	26	Triode No. 2.
5672	1.1	DV4-1200	50		B	3	16	
5676	1.1	ES3-1000	37		B	3	25	
5677	1.1	ES3-1000	40		B	3	11	
5678	1.1	DV4-1200	24		B	3	19	
5679	6.3	JR0-6075	0	60	A	2	40	Diode No. 1.
5679	6.3	JR0-3025	0	60	A	2	40	Diode No. 2.
5686	6.3	EV2-7630	18		C	3	39	
5687	12.6	EV7-9061	23		D	3	38	Triode No. 1.
5687	12.6	EV2-1039	23		D	3	38	Triode No. 2.
5690	6.3	HW0-5083	0	63	A	7	40	Unit No. 1.
5690	6.3	CR0-3045	0	63	A	7	40	Unit No. 2.
5691	6.3	HY4-5062	0		B	3	32	Triode No. 1.
5691	6.3	HY1-2035	0		B	3	32	Triode No. 2.
5692	6.3	HY4-5062	23		B	3	50	Triode No. 1.
5692	6.3	HY1-2035	23		B	3	50	Triode No. 2.
5693	6.3	HS4-8653	22		B	3	40	
5694	6.3	HS4-3010	0		B	3	50	Triode No. 1.
5694	6.3	HS5-6080	0		B	3	50	Triode No. 2.
5696	6.3	ET1-6025	(#)	68	A	7	40	

#Should strike between settings 80 and 70 of the BIAS dial.

5702	6.3	DU7-1265	10		D	3	22	
5703	6.3	DU5-1060	20		D	3	25	
5704	6.3	CT0- 1040	0	69	A	2	40	Diode.
5718*	6.3	DW 1-8057	22		D	3	28	F basing.
5719*	6.3	DW1-8057	23		B	3	20	F basing.
5722	5.0	DU0-1000	0	20	A	2	68	
5725	6.3	ET1-5627	14		B	3	44	
A5726	6.3	ET7-5621	20		B	3	30	Amplifier sect.
A5726	6.3	ET1-5627	10		B	3	38	Oscillator sect.
5728	6.3	ET0-701 0	0	70	A	2	40	Diode No. 1.
5726	6.3	ET0-2050	0	70	A	2	40	Diode No. 2.
5727	6.3	ET1-6025	(#)	90	A	4	40	

#Should strike between settings 40 and 30 of the BIAS dial.

5731	6.3	GR4-3074	25		B	3	38	
5732	6.3	HS0-3485	19		B	3	36	Cap connects to grid.
5742	4.3	ER3-2000	10		B	3	21	
5744	6.3	CT4-1050	5		D	3	20	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
5749	6.3	ET1-5672	9		C	3	41	
5750	6.3	ET7-5621			Short test only.			
5750	6.3	ET1-6027	17		D	3	36	
5751	12.6	EV7-6080	12		B	3	32	Triode No. 1.
5751	12.6	EV2-1030	12		B	3	32	Triode No. 2.
5755	12.6	EV6-8073	0		B	3	25	Triode No. 1.
5755	12.6	EV3-1026	0		B	3	25	Triode No. 2.
5763	6.3	EV9-1673	8		D	3	35	
5784	6.3	DU7-1265	20		B	3	45	
5785	1.1	GX0-1000	0	0	A	2	20	
5787	BLST	AP0-3050	0	54	A	4	40	
5812	6.3	ET1-5602	34		C	3	54	
5814	12.6	EV7-6080	24		B	3	56	Triode No. 1.
5814	12.6	EV2-1030	24		B	3	56	Triode No. 2.
5823	BLST	AP4-1030	100	84	A	4	40	Short on 1, 2, 3, 4, and 5.
5824	25.0	HS5-3480	52		C	3	50	
5825	1.5	ER0-0000	0	0	A	4	10	Cap connects to plate.
5829	6.3	DV0-6070	0	63	A	2	40	Diode No. 1.
5829	6.3	DV0-1020	0	63	A	2	40	Diode No. 2.
5838	12.6	HS0-5080	0	0	A	7	50	Plate No. 1.
5838	12.6	HS0-3080	0	0	A	7	50	Plate No. 2.
5839	25.0	HS0-5083	0	30	A	7	40	Plate No. 1.
5839	25.0	HS0-3085	0	30	A	7	40	Plate No. 2.
5840*	6.3	DW1-5740	22		C	3	31	F basing.
5842	6.3	DZ4-1060	20		E	3	15	TV-7/U, TV-7A/U, TV-7B/U only.
5842	6.3	DZ4-1060	75	0	F	3	15	TV-7 D/U only.
5844	6.3	ET5-2070	26		C	3	38	Triode No. 1.
5844	6.3	ET6-1070	26		C	3	38	Triode No. 2.
5847	6.3	DZ1-6844	15		D	3	30	Short on 2 and 3.
5851	2.5	HR8-3600	35		B	3	40	
5852	6.3	HS0-5080	0	20	A	7	40	Plate No. 1.
5852	6.3	HS0-3080	0	20	A	7	40	Plate No. 2.
5854	1.1	DV4-1200	45		B	3	12	
5875	1.1	DV4-1200	20	20	A	3	50	
5876	6.3	HS3-5060	10					
5879	6.3	EV1-8739	21		B	3	25	
5881	6.3	HS5-3481	23		D	3	25	
5886	1.1	DU7-2100	34	0	A	2	15	
5894	6.3	HS4-5610	13		C	3	50	Plate No. 1.
5894	6.3	HS4-8610	13		C	3	50	Plate No. 2.
5896*	6.3	D W0-5074	0	57	A	7	40	F basing. Plate No. 1.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
5896*	6.3	DW0-1023	0	57	A	7	40	F basing. Plate No. 2.
5897*	6.3	DW1-8050	20		D	3	29	F basing.
5899*	6.3	DW1-5740	21		B	3	50	F basing.
5900*	6.3	DW1-5740	21		B	3	50	F basing.
5902*	6.3	DW1-5720	43		C	3	53	F basing.
5903*	25.0	DW0-5074	0	57	A	7	40	F basing. Plate No. 1.
5903*	25.0	DW0-1024	0	57	A	7	40	F basing. Plate No. 2.
5904*	25.0	DW1-8050	43		B	3	25	F basing.
5905	25.0	DW1-5720	13		D	(#)	13	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
5906*	25.0	DW1-5720	6		D	3	25	F basing.
5907*	25.0	DW1-5720	28		B	(#)	30	F basing.
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
5908	25.0	DW1-5724	18		D	(#)	11	
	#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.							
5910	1.5	VX6-2300	19		B	3	18	
5915	6.3	ET7-5621	20		B	3	30	Amplifier sect.
5915	6.3	ET1-5627	10		B	3	38	Oscillator sect.
5916	25.0	DW1-5724	22		B	3	33	F basing.
5920	6.3	ET5-2070	36		C	3	26	Triode No. 1.
5920	6.3	ET6-1070	36		C	3	26	Triode No. 2.
5930	2.5	ER3-2000	67		C	3	38	
5931	5.0	JS0-6000	0	47	A	7	40	Plate No. 1.
5931	5.0	JS0-4000	0	42	A	7	40	Plate No. 2.
5932	6.3	HS5-3481	23		D	3	25	
5933	6.3	FR3-0240	33		C	3	48	Cap connects to plate.
5963	12.6	EV7-6080	30		B	3	50	Triode No. 1.
5963	12.6	EV2-1030	30		B	3	50	Triode No. 2.
5964	6.3	ET5-2076	16		D	3	25	Triode No. 1.
5964	6.3	ET6-1075	16		D	3	25	Triode No. 2.
5965	12.6	EV7-6081	13		D	3	33	Triode No. 1.
5965	12.6	EV2-1036	13		D	3	33	Triode No. 2.
5967	1.1	ES6-8013	32		D	3	10	Triode No. 1.
5967	1.1	ES3-1086	32		D	3	10	Triode No. 2.
5971	1.1	FT2-1000	20		B	3	33	
5975	6.3	EV3-1020	29		D	3	20	
5977*	6.3	DW1-8053	29		D	3	23	F basing.
5987*	6.3	DW1-2050	74		B	3	46	F basing.
5992	6.3	HS5-3480	21		C	3	44	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
5993	6.3	DX0-9051	0	34	A	7	40	Plate No. 1.
5993	6.3	DX0-1059	0	34	A	7	40	Plate No. 2.
5995	6.3	ET0-1050	0	45	A	7	40	Leads 1-3-4-5.
5998	6.3	HY4-5062	63		D	3	40	Triode No. 1.
5998	6.3	HY1-2035	63		D	3	40	Triode No. 2.
6000	25.0	HS1-5830	16		D	3	34	
6004	5.0	JS0-0000	0	8	A	7	34	Left cap connects to plate.
6004	5.0	JS0-0000	0	8	A	7	35	Right cap connects to plate.
6005	6.3	ET1-5620	21		C	3	46	
6007	1.1	DV4-2100	20	0	A	2	15	
6008	0.6	DV4-2100	24	0	A	2	4	
6012	6.3	HS3-5018	(#)	90	A	4	32	

#Should strike between settings 40 and 30 of the BIAS dial.

6021*	6.3	GT7-8050	20		D	3	26	F basing. Triode No. 1.
6021*	6.3	GT2-1040	20		D	3	26	F basing. Triode No. 2.
6026*	6.3	EV7-8030	21		D	3	30	F basing.
6028	20.0	ET1-5620	10		D	3	22	
6029	1.1	CU3-1000	34		B	3	50	
6050	1.1	ES3-1000	41		B	3	25	
6052*	6.3	DW0-5074	0	57	A	7	40	F basing. Plate No. 1.
6052*	6.3	DW0-1024	0	57	A	7	40	F basing. Plate No. 2.
6055*	25.0	DW1-8050	43		B	3	25	F basing.
6072	12.6	EV7-6080	15		B	3	32	Triode No. 1.
6072	12.6	EV2-1030	15		B	3	32	Triode No. 2.
6080	6.3	HY4-5062	100		C	3	36	Triode No. 1.
6080	6.3	HY1-2035	100		C	3	36	Triode No. 2.
6082	25.0	HY4-5062	100		C	3	43	Triode No. 1.
6082	25.0	HY1-2035	100		C	3	43	Triode No. 2.
6084	6.3	EV9-6138	20		B	3	33	
6085	12.6	EV7-6080	11		C	3	32	Triode No. 1.
6085	12.6	EV2-1030	11		C	3	32	Triode No. 2.
6086	20.0	EV2-6139	12		D	3	45	
6087	5.0	JS0-6000	0	24	A	7	40	Plate No. 1.
6087	5.0	JS0-4000	0	24	A	7	40	Plate No. 2.
6088	1.1	DV4-1200	20		B	(#)	10	

#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6094	6.3	DV1-4280	21		C	3	46	
6096	6.3	ET1-5620	10		D	3	22	
6097	6.3	ET0-7010	0	70	A	2	40	Diode No. 1.
6097	6.3	ET0-2050	0	70	A	2	40	Diode No. 2.
6098	6.3	GY7-3510	34		D	3	27	
6099	6.3	ET5-2070	15		D	3	23	Triode No. 1.
6099	6.3	ET6-1070	15		D	3	23	Triode No. 2.
6100	6.3	ET6-1070	24		B	3	55	
6101	6.3	ET5-2076	16		D	3	25	Triode No. 1.
6101	6.3	ET6-1 075	16		D	3	25	Triode No. 2.
6106	5.0	JS0-6000	0	30	A	7	40	Plate No. 1.
6106	6.0	JS0-4000	0	30	A	7	40	Plate No. 2.
6110*	6.3	DW0-5074	0	62	A	2	40	F basing. Diode No. 1.
6110*	6.3	DW0-1024	0	62	A	2	40	F basing. Diode No. 2.
6111*	6.3	DW7-8050	24		D	3	25	F basing. Triode No. 1.
6111*	6.3	DW2-1040	24		D	3	25	F basing. Triode No. 2.
6112	6.3	DW7-8050	13		D	3	13	Triode No. 1.
6112	6.3	DW2-1040	13		D	3	13	Triode No. 2.
6113	6.3	HY4-5062	0		B	3	32	Triode No. 1.
6113	6.3	HY1-2035	0		B	3	32	Triode No. 2.
6134	6.3	HS4-8653	10		D	3	30	
6135	6.3	ET6-1070	24		B	3	55	
6136	6.3	ET1 -5672	16		B	3	58	
6137	6.3	HS4-8653	22		B	3	48	
6145	6.3	J R6-2374	0		D	3	33	
6146	6.3	HS5-0318	30		D	3	35	Cap connects to plate.
6147	2.5	HR8-3600	35		B	3	40	
6148	6.3	DU7-1265	10		D	3	22	
6152	6.3	EV3-1020	29		D	3	20	
6159	25.0	HS5-0318	30		D	3	35	Cap connects to plate.
6169*	6.3	DW1-2040	12		D	3	30	F basing.
6184*	6.3	DW0-2048	0	65	A	2	40	F basing. Diode No. 1.
6184*	6.3	DW0-7058	0	65	A	2	40	F basing. Diode No. 2.
6186	6.3	ET1-5620	10		D	3	20	
6188	6.3	H Y4-5062	5		B	3	80	Triode No. 1.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6188	6.3	HY1-2035	5		B	3	30	Triode No. 2.
6189	12.6	EV7-6080	24		B	3	56	Triode No. 1.
6189	12.6	EV2-1030	24		B	3	56	Triode No. 2.
6197	6.3	EV2-6317	10		D	3	30	
6201	12.6	EV7-6080	10		C	3	50	Triode No. 1.
6201	12.6	EV2-1030	10		C	3	50	Triode No. 2.
6202	6.3	ET0-6071	0	22	A	7	40	Plate No. 1.
6202	6.3	ET0-1076	0	22	A	7	40	Plate No. 2.
6203	6.3	EV0-9071	0	43	A	7	40	Plate No. 1.
6203	6.3	EV0-1079	0	43	A	7	40	Plate No. 2.
6205	6.3	DW1-5724	22		C	3	31	
6206	6.3	DW1-5724	21		B	3	50	
6211	12.6	EV7-6082	22		D	3	18	Triode No. 1.
6211	12.6	EV2-1037	22		D	3	18	Triode No. 2.
6216	6.3	EV2-1730	23		D	3	50	
6221	6.3	DW1-8050	32		B	3	54	
6222	6.3	D W1-8050	33	0	A	3	16	
6223	6.3	DW1-5780	28		B	3	44	
6225	6.3	DW1-5720	27		B	3	53	
6227	6.3	EV2-7839	14		D	3	35	
6245	6.3	ET7-1265	18		D	3	17	
6247*	6.3	DW1-8050	12		D	3	16	F basing.
6252	6.3	HS4-8613	13		C	3	38	Tetrode No. 1.
			Use adapter E105.					
6252	6.3	HS4-5613	13		C	3	38	Tetrode No. 2.
			Use adapter E105.					
6265	6.3	ET1-5627	15		B	3	50	
6267	6.3	EV9-6138	28		B	3	18	
6286	1.1	CU3-1000	40		D	3	9	
6293	6.3	HS5-0310	25		D	3	36	
6320	12.6	EV1-6720	44		C	3	40	Tetrode No. 2.#

#Connect the negative (−) end of a 30-volt battery to pin No. 3 of the loktal test socket. Connect the positive (+) end of the 30-volt battery to pin No. 2 of the loktal test socket.

Caution: **Disconnect battery before changing selector switch positions.**

6350	12.6	EV8-6073	25		D	3	23	Triode No. 1.
6350	12.6	EV3-1028	25		D	3	23	Triode No. 2.
6355	6.3	FT1-4270	0	100	A	3		Eye 1 open. Eye 2 closed
6355	6.3	FT4-1270	0	100	A	3		Eye 2 open. Eye 1 closed.
6360	12.6	E V3-8720	44		C	3	40	Tetrode No. 1.#

DATA TA BLE—Continued

Tube type	*Fila-ment*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Mini-mum value*	*Notations*
#Connect the negative (−) end of a 30-volt battery to pin No. 1 of the loktal test socket. Connect the positive (+) end of the 30-volt battery to pin No. 2 of the loktal test socket.								
Caution: **Disconnect battery before changing selector s witch positions.**								
6374	6. 3	EV0-0030	0	32	A	7	60	Cap connects to plate.
6385	6. 3	KR7-6080	17		D	3	23	Triode No. 1.
6385	6. 3	KR3-4020	17		D	3	23	Triode No. 2.
6386	6. 3	KR7-6085	22		D	3	20	Triode No. 1.
6386	6. 3	KR3-4025	22		D	3	20	Triode No. 2.
6397	2. 5	H R8-3600	33		B	3	48	
6414	12. 6	EV7-6080	29		B	3	44	Triode No. 1.
6414	12. 6	EV2-1030	29		B	3	44	Triode No. 2.
6417	12. 6	EV9-1673	8		D	3	35	
6418	1. 5	D V0-2041	0	0	A	2	6	Make no gas test.
6463	12. 6	EV8-6071	24		D	3	26	Triode No. 1.
6463	12. 6	EV3-1026	24		D	3	26	Triode No. 2.
6485	6. 3	ET1-5672	10		D	3	30	
6519	1. 5	DV4-1200	0	0	A	4	21	Make no gas test.
6524	6. 3	FT6-0140	22		C	3	56	Cap above octal pins 2 and 3 connects to plate.
#Connect the negative (−) end of a 30-volt battery to pin No. 2 of the loktal test socket. Connect the positive (+) end of the 30-volt battery to pin No. 4 of the loktal test socket.								
Caut ion: **Disconnect battery before changing selector switch positions.**								
6611	1. 5	DV0-2041	0	0	A	2	10	
6612	1. 5	DV0-2041	0	0	A	2	25	Make no gas test.
6636	6. 3	EV2-7839	10		D	3	48	Make no gas test.
6660	6. 3	ET1-5672	9		C	3	41	
6661	6. 3	ET1-5627	15		B	3	50	
6662	6. 3	ET1-5627	0		C	3	48	
6663	6. 3	ET0-7010	0	70	A	2	40	Diode No. 1.
6663	6. 3	ET0-2050	0	70	A	2	40	Diode No. 2.
6669	6. 3	ET1-5620	21		C	3	46	
6677	6. 3	EV2-6317	10		D	3	30	
6678	6. 3	EV2-6370	15		B	3	57	Pentode sect.
6678	6. 3	EV9-1080	16		C	3	57	Triode sect.
6679	12. 6	EV7-6080	10		C	3	50	Triode No. 1.
6679	12. 6	EV2-1030	10		C	3	50	Triode No. 2.
6680	12. 6	EV7-6080	24		B	3	56	Triode No. 1.
6680	12. 6	EV2-1030	24		B	3	56	Triode No. 2.
6681	12. 6	EV7-6080	12		B	3	32	Triode No. 1.
6681	12. 6	EV2-1030	12		B	3	32	Triode No. 2.
6688	6. 3	EV2-7918	10		D	3	50	
6689	6. 3	EV2-6139	13		D	3	35	

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
6690	6.3	DW7-5080	22		C	3	31	Triode No. 1.
6690	6.3	D W2-1040	22		C	3	31	Triode No. 2.
6754	6.3	EV0-9700	0	59	A	7	40	Plate No. 1.
6754	6.3	EV0-1030	0	59	A	7	40	Plate No. 2.
6761	6.3	EV2-1730	44		D	3	38	
6788	6.3	D W 1-5720	27		B	3	12	
6814	6.3	DW1-8050	33		C	3	32	
6829	12.6	EV7-6080	13		D	3	34	Triode No. 1.
6829	12.6	EV2-1030	13		D	3	34	Triode No. 2.
6832	6.3	D W7-8050	34		B	3	16	Triode No. 1.
6832	6.3	DW2 ·1040	34		B	3	16	Triode No. 2.
6877	6.3	DV1-4080	65		D	3	24	
6883	12.6	HS5-0318	30		D	3	35	Cap connects to plate.
6887	6.3	ET0-7010	0	54	A	2	40	Diode No. 1.
6887	6.3	ET0-2050	0	54	A	2	40	Diode No. 2.
6888	6.3	HS4-8653	23		B	3	60	
6907	6.3	HS4-8613	13		C	3	38	Tetrode No. 1.#
6907	6.3	HS4-5613	13		C	3	38	Tetrode No. 2.#
#Use adapter E105.								
6919	6.3	ET0-7016	0	70	A	2	40	Diode No. 1.
6919	6.3	ET0-2056	0	70	A	2	40	Diode No. 2.
6922	6.3	EV2-1030	21		D	3	50	Triode No. 1.
6922	6.3	EV7-6080	21		D	3	50	Triode No. 2.
6939	12.6	EV3-8720	20		C	3	65	Tetrode No. 1.

Connect negative (−) end of 30-volt battery to pin No. 3 of octal socket. Connect positive (+) end of 30-volt battery (Eveready No. 413) to pin No. 2 of octal socket for each test.

***Caution:* Disconnect battery between selector changes.**

6939	12.6	EV1-6720	20		C	3	65	Tetrode No. 2.
6943	6.3	DW1-5724	22		B	3	51	
6944	6.3	DW1-5724	22		B	3	51	
6945	6.3	DW1-5720	45		C	3	41	
6946	6.3	DW1-8050	32		C	3	37	
6947	6.3	DW7-8050	30		B	3	33	Triode No. 1.
6947	6.3	DW2-1040	30		B	3	33	Triode No. 2.
6948	6.3	DW7-8050	29		B	3	23	Triode No. 1.
6948	6.3	DW2-1040	29		B	3	23	Triode No. 2.
6954	6.3	ET1-5627	14		B	3	50	
6973	6.3	EV3-9170	18		D	3	24	
7000	6.3	HS0-3485	22		B	3	31	Cap connects to grid No. 1.
7025	12.6	EV7-6080	12		B	3	32	Triode No. 1.
7025	12.6	EV2-1030	12		B	3	32	Triode No. 2.
7027	6.3	HS5-3180	23		D	3	25	
7036	6.3	ET7-5621	20		B	3	30	Amplifier sect.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
7036	6.3	ET1-5627	10		B	3	38	Oscillator sect.
7044	12.6	EV7-9060	18		D	3	50	Triode No. 1.
7044	12.6	EV2-1030	18		D	3	50	Triode No. 2.
7054	12.6	EV2-7813	9		D	3	46	
7055	12.6	ET0-7010	0	70	A	2	40	Diode No. 1.
7055	12.6	ET0-2050	0	70	A	2	40	Diode No. 2.
7056	12.6	ET1-5627	11		D	3	28	
7057	12.6	EV7-6089	17		D	3	34	Triode No. 1.
7057	12.6	EV2-1039	17		D	3	34	Triode No. 2.
7058	12.6	EV7-6080	12		B	3	32	Triode No. 1.
7058	12.6	EV2-1030	12		B	3	32	Triode No. 2.
7059	12.6	EV2-6370	18		C	3	31	Pentode sect.
7059	12.6	EV9-1080	12		D	3	43	Triode sect.
7060	12.6	EV8-6790	14		D	3	50	Pentode sect.
7060	12.6	EV2-1030	27		B	3	50	Triode sect.
7061	12.6	EV3-9170	21		C	3	46	
7119	12.6	EV7-9060	20		E	3	40	Triode No. 1.
7119	12.6	EV2-1030	20		E	3	40	Triode No. 2.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
7189	6.3	EV2-7930	10		D	3	46	
7193	6.3	HS0-0080	13		C	3	38	Upper cap connects to grid. Lower cap connects to plate.
7199	6.3	EV7-2360	12		C	3	50	Pentode sect.
7199	6.3	EV9-1080	29		C	3	42	Triode sect.
7247	12.6	EV7-6080	12		B	3	32	Triode No. 1.
7247	12.6	EV2-1030	24		B	3	55	Triode No. 2.
7258	12.6	EV8-6791	10		C	3	56	Pentode sect.
7258	12.6	EV2-1736	20		C	3	56	Triode sect.
7316	12.6	EV7-6080	24		B	3	56	Triode No. 1.
7316	12.6	EV2-1030	24		B	3	56	Triode No. 2.
7352	6.3	HS6-3850	20		D	3	34	
7360	6.3	EV3-6219	27		B	3	24	Connect pin 1 to pin 8 and pin 6 to pin 7 on loctal socket.
7370	20.0	FY7-9060	23		D	3	38	Triode No. 1.
7370	20.0	JU2-1030	23		D	3	38	Triode No. 2.
7408	6.3	HS5-3481	21		C	3	46	
7543	6.3	ET1-5672	16		B	3	58	
7551	12.6	EV2-6317	26		D	3	30	
7558	6.3	EV2-6317	26		D	3	30	
7581	6.3	HS5-3480	20		D	3	51	
7586	6.3	DR4-2060	27		D	3	40	Use Hickok adapter Code No. 1050-127

DATA TABLE—Continued

Tube type	*Fila-ment*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Mini-mum value*	*Notations*
7587	6.3	D R4-0280	10		D	(#)	38	Cap connects to plate. Use Hickok adapter Code No. 1050-127.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND								
7591	6.3	HS6-3450	10		D	3	36	
7687	6.3	EV2-6370	15		C	3	35	Pentode sect.
7687	6.3	EV9-1080	35		C	3	22	Triode sect.
7693	6.3	ET1-5627	15		B	3	50	
7694	6.3	ET1-5627	0		C	3	48	
7695	50.0	EV6-1170	30		D	3	48	
7700	6.3	GR0-2354	21		B	3	31	Cap connects to grid
7701	12.6	EV2-0910	11		C	3	48	
7716	12.6	EV7-9860	10		D	3	30	Pentode sect.
7716	12.6	EV2-3010	26		B	3	24	Triode sect.
7719	12.6	EV2-1030	38		C	3	14	
7724	12.6	EV8-9070	20		B	3	12	Triode sect.
7724	12.6	EV0-2030	0	0	A	2	32	Diode No. 1.
7724	12.6	EV0-6010	0	0	A	2	32	Diode No. 2.
7728	12.6	EV7-6080	10		C	3	50	Triode No. 1.
7728	12.6	EV2-1030	10		C	3	50	Triode No. 2.
7729	12.6	EV7-6080	12		B	3	32	Triode No. 1.
7729	12.6	EV2-1030	12		B	3	32	Triode No. 2.
7730	12.6	EV7-6080	24		B	3	56	Triode No. 1.
7730	12.6	EV2-1030	24		B	3	56	Triode No. 2.
7731	6.3	EV2-6370	15		B	3	57	Pentode sect.
7731	6.3	EV9-1080	16		C	3	57	Triode sect.
7732	6.3	ET1-5627	11		D	3	28	
7733	12.6	EV2-7813	9		D	3	46	
7754	6.3	EV6-9170	30		D	3	48	
7759	25.0	DW7-8050	25		C	3	31	Triode No. 1.
7759	25.0	DW2-1040	25		C	3	31	Triode No. 2.
7760	25.0	DW7-8050	43		B	3	25	Triode No. 1
7760	25.0	DW2-1040	43		B	3	25	Triode No. 2.
7761	25.0	DW1-5720	25		D	3	21	
7762	25.0	D W1-5720	43		C	3	53	
7788/E810F	6.3	EV2-7938	29		C	3	50	
7854	12.6	H R6-0340	35		C	3	60	Plate No. 1.#

#Use Hickok adapter Code No. 1050-107. Connect the negative end of a 30-volt battery to pin 2 of the large 7-pin socket; connect the positive end of the battery to pin 4 of the large 7-pin socket. Connect the plate jack connector to the cap pin over pin 6 of the octal socket.

7854	12.6	HR2-0340	35		C	3	60	Plate No. 2.#

#Connect the negative end of a 30-volt battery to pin 6 of the large 7-pin socket. Connect the positive end of the battery to pin 4 of the large 7-pin socket. Connect the plate jack connector to the cap pin over pin 3 of the octal socket.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
Caution: Disconnect the battery (Eveready No. 413) before changing selector settings.								
7895	6.3	D R4-2080	17		D	3	32	Use Hickok adapter Code No. 1050-127.
17GW6	20.0	HS5-0480	31		D	(1)	38	Cap connects to plate. Make LINE TEST at 56.
0.05	10.0	ER3-0000	22		B	3	50	Cap connects to plate.
8013A	3.0	ER0-0000	0	75	A	4	40	Cap connects to plate.
8016	1.1	HS0-0000	0	68	A	4	50	Cap connects to plate.
8020	5.0	ER0-0000	0	85	A	4	40	Cap connects to plate.
8032	12.6	HS5-0318	30		D	3	35	Cap connects to plate.
8077	12.6	EV2-7813	9		D	3	46	
9001	6.3	ET1-5670	21		B	3	28	
9002	6.3	ET6-1070	22		B	3	48	
9003	6.3	ET1-5620	17		B	3	38	
9004	6.3	GR0-3040	0	65	A	2	40	Diode.
0.05	4.3	GR0-4030	0	52	A	2	40	Diode.
9006	6.3	ET0-1070	0	52	A	2	40	Diode.
38142	7.5	ER3-2000	37		B	3	55	
XXB	2.5	BY5-6000	10		B	3	28	Triode No. 1.
XXB	2.5	JR4-3000	10		B	3	28	Triode No. 2.
XXD	12.6	JR4-6070	21		C	3	33	Triode No. 1.
XXD	12.6	JR4-3020	21		C	3	33	Triode No. 2.

Disregard shorts test after GM test is completed. Allow 60 seconds for heater warmup. Allow 5 seconds to obtain GM reading.

[1] Hold down pushbutton 2-DIODE and press pushbutton 3-M UT. COND.

DATA TABLE—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
XXFM	6.3	JR3-2040	0		B	3	23	Triode sect.
XXFM	6.3	JR0-5040	0	67	A	2	40	Diode No. 1.
XXFM	6.3	JR0-6070	0	67	A	2	40	Diode No. 2.
XXL	6.3	JR6-2070	23		B	3	50	
4B31			Requires special socket.					
5C22			Requires special socket.					
371 B			Requires special socket.					

3. **Conversion Table.** The table below lists Army VT numbers of tubes and their commercial numbers.

VT No.	*Coml No.*
VT-1	WE-203A (obsolete)
VT-2	WE-205B
VT-3	Obsolete
VT-4A	Obsolete
VT-4B	Coml 211
VT-4C	JAN 211
VT-5	WE-215A
VT-6	212A (obsolete)
VT-7	WX-12 (obsolete)
VT-8	UV-204 (obsolete)
VT-10	Obsolete
VT-11	Obsolete
VT-12	Obsolete
VT-13	Obsolete
VT-14	Obsolete
VT-16	Obsolete
VT-17	860
VT-18	Obsolete
VT-19	861
VT-20	Obsolete
VT-21	Obsolete
VT-22	204A
VT-23	Obsolete
VT-24	864
VT-25	10
VT-25A	10 Special
VT-26	22
VT-27	30
VT-28	24, 24A
VT-29	27
VT-30	01-A
VT-31	31
VT-32	Obsolete
VT-33	33
VT-34	207
VT-35	35/51
VT-36	36
VT-37	37
VT-38	38
VT-39	869
VT-39A	869A
VT-40	40
VT-41	851
VT-42	872
VT-42A	872A (special fil)
VT-43	845
VT-44	32
VT-45	45
VT-46	866
VT-46A	866A
VT-47	47
VT-48	41
VT-49	39/44
VT-50	50
VT-51	841
VT-52	45 special
VT-53	Canceled (superseded by VT-42A)
VT-54	34
VT-55	865

VT No.	*Comi No.*
VT-56	56
VT-57	57
VT-58	58
VT-60	850
VT-62	801, 801A
VT-63	46
VT-64	800
VT-65	6C5
VT-65A	6C5G
VT-66	6F6
VT-66A	6F6G
VT-67	30 specia'
VT-68	6B7
VT-69	6D6
VT-70	6F7
VT-72	842
VT-73	843
VT-74	5Z4
VT-75	75
VT-76	76
VT-77	77
VT-78	78
VT-80	80
VT-83	83
VT-84	84/6Z4
VT-86	6K7
VT-86A	6K7G
VT-86B	6K7GT
VT-87	6L7
VT-87A	6L7G
VT-88	6R7
VT-88A	6R7G
VT-88 B	6R7GT
VT-89	89
VT-90	6H6
VT-90A	6H6GT
VT-91	6J7
VT-91 A	6J 7GT
VT-92	6Q7
VT-92A	6Q7G
VT-93	6B8
VT-93A	6B8G
VT-94	6J5

VT No.	*Comi No.*
VT-94A	6J5G
VT-94 B	6J5 special selection
VT-94C	6J5G special selection
VT-94D	6J5GT
VT-95	2A3
VT-96	6N7
VT-96B	6N7 specialselection
VT-97	5W4
VT-98	6U5/6G5
VT-99	6F8G
VT-100	807
VT-100A	807 modified
VT-101	837
VT-102	Canceled
VT-103	6SQ7
VT-104	12SQ7
VT-105	6SC7
VT-106	803
VT-107	6V6
VT-107A	6V6GT
VT-107B	6V6G
VT-108	450TH
VT-109	2051
VT-111	5BP4/-1802P4
VT-112	6A C7/-1852
VT-114	5T4
VT-115	6L6
VT-115A	6L6G
VT-116	6SJ7
VT-116A	6SJ7GT
VT-116B	6SJ7Y
VT-117	6SK7
VT-117 A	6SK7GT
VT-118	832
VT-119	2X2/879
VT-120	954
VT-121	955
VT-122	530
VT-123	RCA A-5586 (superseded by VT-128)
VT-124	1A5GT
VT-125	1C5GT
VT-126	6X5

See footnote on page 78.

VT No.	Coml No.
VT-126A	6X5G
VT-126B	6X5GT
VT-127	Special tube
VT-127A	Special tube
VT-128	1630 (A-5588)
VT-129	304TL
VT-130	250TL
VT-131	12SK7
VT-132	12K8 special
VT-133	12SR7
VT-134	12A6
VT-135	12J5GT
VT-135A	12J5
VT-136	1625
VT-137	1626
VT-138	1629
VT-139	VR150-30
VT-140[a]	1628
VT-141	531
VT-142	WE-39DY1
VT-143	805
VT-144	813
VT-145	5Z3
VT-146	IN5GT
VT-147	1A7GT
VT-148	ID8GT
VT-149	3A8GT
VT-150	6SA7
VT-150A	6SA7GT
VT-151	6A8G
VT-151B	6A8GT
VT-152	6K6GT
VT-152A	6K6G
VT-153	12C8special
VT-154	814
VT-155	Special tube
VT-156	Special tube
VT-157	Special tube
VT-158	Special tube
VT-159	Special tube
VT-160	Special tube
VT-161	12SA7
VT-162	12SJ7
VT-163	6C8G
VT-164	1619
VT-165	1624
VT-166	371A
VT-167	6K8
VT-167A	6K8G
VT-168A	6Y6G
VT-169	12C8
VT-170	1E5-GP
VT-171	1R5
VT-171A	Local equivalent of 1R5
VT-172	155
VT-173	1T4
VT-174	3S4
VT-175	1613
VT-176	6AB7/-1853
VT-177	1LH4
VT-178	1LC6
VT-179	1LN5
VT-180[a]	3LF4
VT-181	7Z4
VT-182	3B7/1291
VT-183	1R4/1294
VT-184	VR90-30
VT-185	3D6/1299
VT-186	Special tube
VT-187	575A
VT-188	7E6
VT-189	7F7
VT-190	7H7
VT-191	316A
VT-192	7A4
VT-193	7C7
VT-194	7J7
VT-195	1005
VT-196	6W5G
VT-197A	5Y3GT/G
VT-198A	6G6G
VT-199	6SS7
VT-200	VR-105-30
VT-201	25L6
VT-201C	25L6GT
VT-202	9002

See footnote on page 78.

VT No.	Coml No.
VT-203	9003
VT-204	HK24G
VT-205	6ST7
VT-206A	5V4G
VT-207	12 AH7GT
VT-208	7B8
VT-209	12SG7
VT-210	1S4
VT-211	6SG7
VT-212	958
VT-213A	6L5G
VT-214	12H6
VT-215	6E5
VT-216	816
VT-217	811
VT-218	100TH
VT-219	Canceled
VT-220	250TH
VT-221	3Q5GT
VT-222	884
VT-223	1H5GT
VT-224	RK34
VT-225	307A
VT-226	2EP/1806P1
VT-227	7184
VT-228	8012
VT-229	6SL7GT
VT-230	350A
VT-231	6SN7GT
VT-232	E-1148
VT-233	6SR7
VT-234	HY-114B
VT-235	HY-615
VT-236	836
VT-237	957
VT-238	956

VT No.	Coml No.
VT-239	1LE3
VT-240	710A
VT-241	E5/1201
VT-243	7C4/-1203A
VT-244	5U4G
VT-245	2050
VT-246	918
VT-247	6AG7
VT-248	1808P1
VT-249	1006
VT-250	EF50
VT-251	441
VT-252	923
VT-254	304TH
VT-255	705A
VT-256	ZP486
VT-257	K-7
VT-259	829
VT-260	VR75-30
VT-264	3Q4
VT-266	1616
VT-267	578
VT-268	12SC7
VT-269	717A
VT-277	417
VT-279	GY-2
VT-280[a]	C7063
VT-281[a]	HY-145ZT
VT-282	ZG489
VT-283[a]	QF-206
VT-284[a]	QF-197
VT-285[a]	QF-200C
VT-286	832A
VT-287	815
VT-288	12SH7
VT-289	12SL7GT

[a] Indicates VT number has been cancele

4. Data Table for CV Type Tubes. Where a crosshatch sign (#) appears in the test data, read the notation carefully before the tube is tested.

DATA TABLE FOR CV TYPE TUBES

Tube type	Filament	Selectors	Bias	Shunt	Range	Press	Minimum value	Notations
CV51	6.3	CX8-4050	0	100	A	8	Eye	open.
CV51	6.3	CX8-4350	0	100	A	8	Eye	closed.

DATA TABLE FOR CV TYPE TUBES—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
CV54	4.3	DU0–0000			30 A	7	40	Cap connects to plate.
CV65	2.0	BY5–3400	22		C	3	35	
CV73	4.3	FU2–0760	40		C	3	56	
CV131	6.3	DU1–5726	17		B	3	40	
CV132								
CV136	6.3	DU1–5720	23		C	3	45	
CV137	6.3	DU6–7050	16		B	3	60	Triode sect.
CV137	6.3	DU0–1020		75	A	2	40	Diode sect.
CV138	6.3	DU1–5726	11		C	3	50	
CV140	6.3	ET0–2050		70	A	2	40	Diode No. 1.
CV140	6.3	ET0–7010		70	A	2	40	Diode No. 2.
CV173	6.3	BV7–3264	17		D	3	40	
CV181	6.3	HY1–2030	16		B	3	65	Triode No. 1.
CV181	6.3	HY4–5060	16		B	3	65	Triode No. 2.
CV287	OFF	AP0–4020		55	A	4	40	
CV309	6.3	BV7–2464	44		B	3	60	
CV329	6.3	ET1–5726	14		B	3	29	
CV345	6.3	CX5–0480	42		D	3	30	Cap connects to plate.
CV378	5.0	CY0–4000		70	A	7	40	Plate No. 1.
CV378	5.0	CY0–6000		70	A	7	40	Plate No. 2.
CV391								
CV399	4.3	DU2–1050	16		C	3	30	
CV428	6.3	BY6–0320	30		C	3	30	Use Stark EC adapter.[a] Cap connects to plate.
CV431	OFF	AP0–2040		80	A	4	40	
CV465	6.3	DW1–5724	17		D	3	22	Use flying lead adapter E104.
CV466	6.3	DW1–4572	22		D	3	21	Use flying lead adapter E104.
CV468	6.3	CT1–8070	28		D	3	28	Use flying lead adapter E104.
CV469	6.3	MU–0–2030		68	A	2	40	Use flying lead adapter E104.
CV473	6.3	DW0–2050		40	A	7	40	Use flying lead adapter E104.
CV475	6.3	DW1–5728	17		C	3	26	Use flying lead adapter E104.
CV523	12.6	DU0–1050		40	A	2	40	Diode No. 1.
CV523	12.6	DU0–2050		40	A	2	40	Diode No. 2.
CV569		Test as 6S17.						
CV826	4.3	EV0–7360	13		B	3	30	Cap connects to grid.

DATA TABLE FOR CV TYPE TUBES—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
CV826	4.3	EV2-1060	13		B	3	35	
CV1037	4.3	DU2-1050	16		C	3	30	
CV1039	4.3	DU0-1000		60	A	7	40	Plate No. 1.
CV1039	4.3	DU0-2000		60	A	7	40	Plate No. 2.
CV1040	4.3	ET2-1000	18		D	3	30	
CV1052	6.3	HS0-3480	22		C	3	50	Cap connects to grid No. 1.
CV1053	6.3	CX0-3485	30		B	3	40	Cap connects to grid No. 1.
CV1054	6.3	CX0-5080		24	A	2	40	Diode No. 1.
CV1054	6.3	CX0-3040		24	A	2	40	Diode No. 2.
CV1055	6.3	CX0-3080	21		B	3	50	Triode sect. Cap connects to grid No. 1.
CV1055	6.3	CX0-4080		14	A	2	40	Diode No. 1.
CV1055	6.3	CX0-5080		14	A	2	40	Diode No. 2.
CV1056	6.3	CX5-3485	19		B	3	38	
CV1064	4.3	DU0-2000		40	A	7	40	Plate No. 1.
CV1064	4.3	DU0-3000		40	A	7	40	Plate No. 2.
CV1065	6.3	BY0-3425	10		D	3	35	Cap connects to grid No. 1.
CV1067	6.3	CX5-3080	22		C	3	40	
CV1071		Test as 5U4G.						
CV1072	4.3	ET-0-0000		55	A	7	40	Use adapter for British types.
CV1073		Test as 6F5.						
CV1075	6.3	CX5-3480	12		D	3	40	
CV1078	4.3	BT0-8020		60	A	7	40	Use Stark ED adapter.[a] Place lead to top pin. Cap connects to plate.
CV1083	2.0	EV2-0713	0		B	(#)	20	
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
CV1091	6.3	BV7-3268	8		C	3	40	
CV1092	6.3	BT0-8020		60	A	7	40	Use Stark ED adapter. Place lead to top pin.
CV1099	6.3	Test as 6K8.						
CV1100	6.3	CX0-3480	25		C	3	45	Cap connects to grid No. 1.
CV1101	6.3	HS-0-3080	22		D	3	16	Top cap connects to grid. Triode sect.

DATA TABLE FOR C V T YPE TUBES—Continued

Tube type	*Filament Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
CV1101	6.3 HS-0-4080	.....	15	A	2	40	Diode No. 1.
CV1101	6.3 HS- 0-5080	.....	40	A	2	40	Diode No. 2.
CV1102	6.3 HS-5-6080	37	.....	C	3	40	Triode No. 1.
CV1102	6.3 HS-0-30 10	37	.....	C	3	40	Top cap connects to grid. Triode No. 2.
CV1103	6.3 CX8-4050	0	100	A	3	—	Eye open.
CV1103	6.3 CX8-4350	0	100	A	3		Eye closed.
CV1111	4.3 DU0-0000	.....	10	A	7	20	Cap connects to plate.
CV1113	4.3 DU0-0000	.....	0	A	7	40	Cap connects to plate.
CV1122	4.3 DU2-1050	16	.....	D	3	35	
CV1136	6.3 B V6-2385	15	.....	C	3	40	
CV1137	6.3 BV2-4020	14	.....	C	3	55	
CV1164	4.3 DU2-0155	18	.....	B	3	62	Cap connects to plate.
CV1169	4.3 EV2-0763	20	.....	B	3	45	Cap connects to plate.
CV1170	4.3 DU0-1050	.....	35	A	2	40	
CV1171	4.3 British Acorn 5-pin	0	.....	C	3	30	
CV1173	4.3 DU2-1050	11	.....	C	3	30	
CV1193	6.3 Test as 6K8						
CV1197	6.3 Special Base BT5-8020	13	.....	C	3	40	Use Stark ED adapter.[a] Place leads to top pins.
CV1198	4.3 DU2-0050	16	.....	D	3	35	Cap connects to plate.
CV1264	4.3 DU0-1000	.....	60	A	7	40	
CV1285	6.3 Test as 6N7.	.....	.....	-	...		
CV1290	2.0 DU0-0000	..	82	A	4	40	Cap connects to plate.
CV1300	12.6 DU0-1050	...	40	A	2	40	Diode No. 1.
CV1300	12.6 DU0-2050	...	40	A	2	40	Diode No. 2.
CV1306	2.0 BY0-3000	21	.....	B	3	30	Cap connects to grid.
CV1306	2.0 BY0-7000	...	20	A	2	40	Diode No. 1.
CV1306	2.0 BY0-5000	...	20	A	2	40	Diode No. 2.
CV1321	12.6 EV0-2763	19	.....	B	3	35	Cap connects to grid.
CV1326	4.3 EV2-7360	23	.....	D	3	35	
CV1331	2.0 BY0-3405	25	.....	B	3	15	Top cap connects to grid.
CV1347	6.3 Test as 6K8	.....	.....	.....	...	.....	
CV1456	35.0 BY5-3426	0	.....	D	3	25	
CV1457	12.6 BY0-3425	12	.....	C	3	40	Cap connects to grid.

DATA TABLE FOR CV TYPE TUBES—Continued

Tube type	*Filament*	*Selectors*	*Bias*	*Shunt*	*Range*	*Press*	*Minimum value*	*Notations*
CV1510	6.3	BY7-2268	39		C		40	
CV1574	4.3	JR0-3452	12		D		25	Top cap connects to grid.
CV1581	6.3	HS5-3486	16		C	3	18	Hexode sect. Top cap connects to grid.
CV1581	6.3	HS5-6483	25		C	3	16	Triode sect.
CV1865	6.3	FU1-8030	22		C	3	42	
CV1989	6.3	ET0-2050		70	A	2	40	
CV2128	6.3	FU2-6137	11		C	3	25	Hexode sect.
CV2128	6.3	FU9-8030	21		C		36	Triode sect.
CV2135	6.3	FU2-7839	24	0	B	3	28	
CV2220	12.6	DY5-2360	33		C	3	48	
CV2243	6.3	EV2-7839	19		D	3	30	
CV4040	6.3	ET1-5720	32	0	C	3	42	
CV4061	1.5	ER0-0000	0	51	A	4	40	
CV4062	6.3	ET1-5722	32	0	D		28	
ECC34	6.3	JX1-2030	35		C	3	35	Triode No. 1.
ECC34	6.3	JX4-5060	35		C	3	35	Triode No. 2.

[a] Available through British and Canadian supply channels

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44-536	55-16	55-126
44-537	55-27	55-127
44-544	55-28	55-128
44-545	55-38	55-129
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USAR: None.

For explanation of abbreviations used, see AR 320-50.

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1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
1 Kilometer = 1000 Meters = 0.621 Miles

'VEIGHTS

Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
1 Kilogram = 1000 Grams = 2.2 lb.
1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

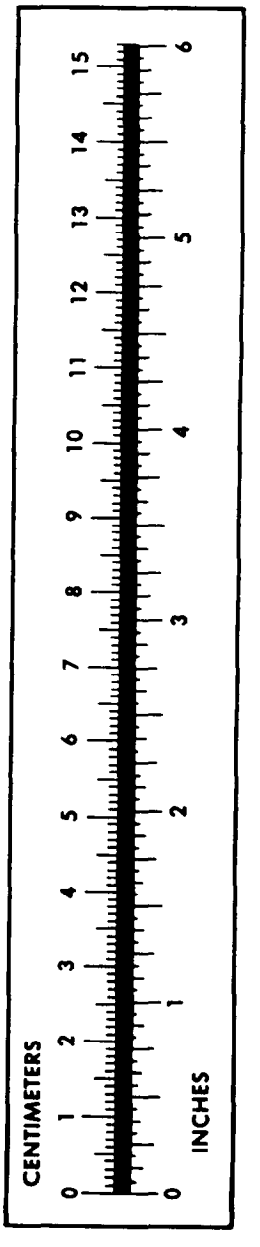
TEMPERATURE

5/9(°F - 32) = °C
212° Fahrenheit is evuivalent to 100° Celsius
90° Fahrenheit is equivalent to 32.2° Celsius
32° Fahrenheit is equivalent to 0° Celsius
9/5C° + 32 =°F

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
ıts	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
lometers per Liter	Miles per Gallon	2.354
meters per Hour	Miles per Hour	0.621



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