

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**

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HEADQUARTERS, DEPARTMENT OF THE ARMY

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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-7A/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.

*This bulletin supersedes TB 11-508 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

g. To test amplifier tubes for gas content, hold down pushbutton 4-GAS 1 and rotate the BIAS dial until the meter indicates one large division or a reading of 10 on the scale. While pushbutton 4-GAS 1 is held down, press pushbutton 5-GAS 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-GAS 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	
O1A.....	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-OZ4 for 5 seconds.								
OZ4		HS0-3080	0	70	A	6	40	Plate No. 2.
Hold down pushbutton 6-OZ4 for 5 seconds.								
OZ4A		HS0-5080	0	70	A	6	40	Plate No. 1.
Hold down pushbutton 6-OZ4 for 5 seconds.								
OZ4A.....		HS0-3080	0	70	A	6	40	Plate No. 2.
Hold down pushbutton 6-OZ4 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 Selectors	Bias	Shunt	Range	Press	Mini- mum 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 tude 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 con nects 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

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press value</i>	<i>Notations</i>
#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	A	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

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Minimum value</i>	<i>Notations</i>
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	88	
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	
2CA.....	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. Ring connects to grid.
2C43	6.3	H S0-0080	17		C	3	56	Cap connects to plate. Ring connects to grid.
2C45	7.5	FR3-2000	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								
1D21	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	39	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	HS6-0408	0		C	3	88	Cap=P.
2E26	6.3	HS5-0318	37		C	3	44	Cap=P.
2E30	6.3	ET1-5602	20		C	3	88	
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	

DATA TABLE—Continued

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
#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	HS5-6400	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	Fila- ment	Selectors	Bias	Shunt	Range	Press	Mini- mum 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	ETC-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 fl.
3B24	2.5	CR0-0000	0	84	A	4	40	Cap connects to plate. 2d half of fl.
3B25	2.5	ER0-0000	0	90	A	4	40	Cap connects to plate.
3B28	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

<i>Tubetype</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	
3CS6.....	3.0	ET1-5627	20	-----	B	(#)	8	Grid No. 1.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
3CS6.....	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

<i>Tubetype</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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.
4A U6	4.3	ET1-5672	16	-----	B	3	58	
4A V6	4.3	ET1-7025	12	-----	B	3	32	Triode sect.
4A V6	4.3	ET1-6025	0	0	A	2	40	Diode No. 1.
4A V6	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 No. 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	
4CF5	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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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. 1.
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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	EV9-6780	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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	Pentode 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	85	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	80	
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	ET2-1060	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	Mini- mum 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 TABLE—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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Screen</i>	<i>Control</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
6AX5.	6.3	1 S0 5083	0	12	A	7	40	Plate No. 1.
6AX5.	6.3	1 S0 3085	0	12	A	7	40	Plate No. 2.
6AX6.	6.3	1 I S0-5080	0	65	A	7	40	Plate No. 1.
6AX6.	6.3	1 I S0 3040	0	65	A	7	40	Plate No. 2.
6AX7.	6.3	3 EV7 6080	12		B	3	32	Triode No. 1
6AX7.	6.3	3 EV2 1030	12		B	3	32	Triode No. 2
6AX8.	6.3	3 EV2 6370	15		B	3	57	Pentode sect.
6AX8.	6.3	3 EV 9-1080	16		C	3	57	Triode sect
6AZ5.	6.3	1 D W0 8070	0	60	A	40		Diode No. 1.
6AZ5.	6.3	1 D W0 1020	0	60	A	40		Diode No. 2.
6AZ6*	6.3	1 D W0-2048	0	65	A	40		F basing. Diode No 1
6AZ6*	6.3	1 D W0-7058	0	65	A	40		F basing. Diode No 2
6AZ8.	6.3	3 EV6-1230	7		D	3	30	Pentode sect.
6AZ8.	6.3	3 EV9 8070	21		C	3	42	Triode sect.
6B4.	6.3	1 HS5-3000	67		C	3	38	
6B5.	6.3	1 G R4 2350	0		B	3	38	
6B6.	6.3	1 I S0 3080	11		B	3	19	Triode sect. Cap connects to grid
6B6	6.3	1 HS0-5080	0	14	A	2	40	Diode No. 1.
6B6.	6.3	1 HS0-4080	0	14	A	2	40	Diode No. 2.
6B7	6.3	1 H R0-2360	30		B	3	25	Pentode sect. Cap connects to grid.
6B7	6.3	1 H R0-5360	0	14	A	2	40	Diode No. 1.
6B7.	6.3	1 H R0-4360	0	14	A	2	40	Diode No. 2.
6B8	6.3	1 H S0-3681	24		B	3	29	Pentode sect. Cap connects to grid.
6B8.	6.3	1 H S0-5681	0	14	A	2	40	Diode No. 1.
6B8.	6.3	1 HS0-4681	0	14	A	2	40	Diode No. 2.
6B10	6.3	1 BV3-4020	29		C	3	28	Triode No. 1 (#).
#Use Hickok Adapter Model 1704. Set Adapter Selectors to 0-0-5.								
6B10.	6.3	1 B S5-6070	29		C	3	28	Triode No. 2 (#).
#Set Adapter Selectors to 0-0-2.								
6B10.	6.3	1 B S0-8090	0	53	A	2	40	Diode No. 1 (#).
#Set Adapter Selectors to 0-0-2.								
6B10.	6.3	1 BS0-8090	0	53	A	2	40	Diode No. 2 (#).
#Set Adapter Selectors to 8-0-2.								
6BA5*	6.3	1 DW1-5780	16		B	3	54	F basing.
6BA6.	6.3	1 ET1-5672	9		C	3	41	
6BA7	6.3	1 EV7-9136						Short test only.
6BA7.	6.3	1 EV2-1037	10		D	3	40	
6BA8.	6.3	1 EV7-9860	11		D	3	30	Pentode sect.
6BA8.	6.3	1 EV2-3010	29		C	3	34	Triode sect.
6BC4	6.3	1 EV2-1060	10		D	3	50	

DATA TABLE—Continued

<i>Tubetype</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Min. imum value</i>	<i>Notations</i>
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.								
6BD1 1.....	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 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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	Mini- mum 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.
6CM8.....	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	53	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	30	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	25	—	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	53
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	33 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	23	—	C	3	34 Pentode sect.

DATA TABLE—Continued

<i>Tubetype</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notes</i>
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 local 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 local socket (counterclockwise).

Connect positive end of 30-volt battery to pin No. 8 of local socket for each test.

Caution: Disconnect battery between selector changes.

6E5.	6.3	GR5-4030	0	100	A	3	Eye open
6E5.	6.3	GR5-4230	0	100	A	3	Eye closed

DATA TABLE—Continued

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	2	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	FU9-9000	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

<i>Tubetype</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	40	Diode No. 1
6FM8.....	6.3	EV0-2030	0	70	A	40	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.

DATA TABLE—Continued

Tubetype	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-DIOD E 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	HS5-0480	34		D	(#)	38	Cap connects to plate.
#Hold down pushbutton 2-DIOD E 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.
6GY8.....	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 con- nects 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.
8LJ.....	6.3	EV2-6319	21		C	3	34	Pentode sect.
6H J8.....	6.3	EV0-8070	0	55	A	2	32	Diode sect.

DATA TABLE—Continued

<i>Tubetype</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
6IIS8.....	6.3	EV7-8219	10		B	3	20	Pentode No. 1.
6IIS8.....	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	ET6-107 0	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 con- nects 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	HS5-6083	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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
#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

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Minimum value</i>	<i>Notations</i>
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	HS0-4088	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	HS8-3455	Short test only.					
6SA7.....	6.3	HS5-4068	0	.....	C	3	50	
6SB7.....	6.3	HS8-3455	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	82	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

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Minimum value</i>	<i>Notations</i>
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	15	—	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.

DATATABLE—Continued

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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 3.
6Z5.....	12.6	GS0-3040	0	38	A	7	40	Plate No. 2. Short on 3.
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

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	31	
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	
7B8	6.3	JR6-2574			Short test only.			
7B8	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	JR2-2070	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	30	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

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Minimum value</i>	<i>Notations</i>
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.
8BQ6.....	7.5	EV2-7930	30		C	3	50	

DATA TABLE—Continued

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Sh unt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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.
10EM7.....	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-METER 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	ET7-6521	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

<i>Tubetype</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	Triodesect.
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.
12AZ7.....	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	JR6-2374	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			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	ET7-5621	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	EV7-6082	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	E T1-5020	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	81	
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	3	80	
12CM6.....	12.6	EV3-9170	21	—	C	3	46	

DATA TABLE—Continued

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	EV0-3020	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	EV7-6080	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.
12DW7	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

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Minimum value</i>	<i>Notations</i>
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	
12EQ7.....	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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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. Release pushbutton 3 before pushbutton 2.								
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	HW3-4521	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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	HY0-4036	0	14	A	2	20	Diode No. 2.
12SR7.....	12.6	HY2-6031	18	-----	B	5	48	Triode sect.
12SR7.....	12.6	HY0-5036	0	14	A	2	20	Diode No. 1.
12SR7.....	12.6	HY0-4036	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	HY4-5062	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	
#1Hold down pushbutton 2-DIO DE 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	ER0-2030	0	52	A	7	40	
12Z5.....	12.6	GSO-5030	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 TA BLE—Continued

<i>Tubetype</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
13 EM7.....	12. 6 H	Y4-5060	20	---	B	3	25	Triode No. 1.
13 EM7.....	12. 6 H	Y1-2030	60	-----	D	3	35	Triode No. 2.
13 FR7.....	12. 6 E	V7-6080	20	---	B	3	25	Triode No. 1.
13 FR7.....	12. 6 E	V3-1090	60	-----	D	3	35	Triode No. 2.
14A4.....	12. 6 J	R6-2070	23	---	B	3	50	
14A5.....	12. 6 J	R6-2370	12	---	C	3	38	
14A7.....	12. 6 J	R6-2375	22	---	B	3	48	
14A F7.....	12. 6 J	R5-6070	21	---	C	3	33	Triode No. 1.
14A F7.....	12. 6 J	R4-3020	21	---	C	3	33	Triode No. 2.
14B6.....	12. 6 J	R3-2070	0	---	B	3	28	Triode sect.
14B6.....	12. 6 J	R0-6072	0	14	A	2	40	Diode No. 1.
14B6.....	12. 6 J	R0-5072	0	14	A	2	40	Diode No. 2.
14B8.....	12. 6 J	R6-2574						
Short test only.								
14B8.....	12. 6 J	R4-5376	44	---	B	3	29	
14C5.....	12. 6 J	R6-2370	23	---	C	3	46	
14C7.....	12. 6 J	R6-2374	22	---	B	3	33	
14E 6.....	12. 6 J	R3-2070	12	---	B	3	55	Triode sect.
14 E6.....	12. 6 J	R0-6072	0	14	A	2	40	Diode No. 1.
14E6.....	12. 6 J	R0-5072	0	14	A	2	40	Diode No. 2.
14E7.....	12. 6 J	R6-2570	24	---	B	3	33	Pentode sect.
14E 7.....	12. 6 J	R0-4072	0	0	A	2	30	Diode No. 1.
14E7.....	12. 6 J	R0-3072	0	0	A	2	30	Diode No. 2.
14F7.....	12. 6 J	R5-6073	0	---	B	3	40	Triode No. 1.
14F7.....	12. 6 J	R4-3026	0	---	B	3	40	Triode No. 2.
14F8.....	12. 6 H	S8-6050	10	-----	D	3	25	Triode No. 1.
14F8.....	12. 6 H	S1-3040	10	-----	D	3	25	Triode No. 2.
14 GT8.....	12. 6 E	V8-9070	20	---	B	3	12	Triode sect.
14 GT8.....	12. 6 E	V0-2030	0	0	A	2	32	Diode No. 1.
14 GT8.....	12. 6 E	V0-6010	0	0	A	2	32	Diode No. 2.
14H7.....	12. 6 J	R6-2374	10	---	D	3	19	
14J7.....	12. 6 J	R6-2574	18	---	B	3	20	Heptode sect.
14J7.....	12. 6 J	R4-3576	18	---	B	3	25	Triode sect.
14JG8.....	12. 6 E	V8-9070	10	-----	B	3	38	Triode sect.
14JG8.....	12. 6 E	V0-6010	0	70	A	2	40	Diode No. 1.
14JG8.....	12. 6 E	V0-2030	0	70	A	2	40	Diode No. 2.
14N7.....	12. 6 J	R5-6073	23	-----	B	3	50	Triode No. 1.
14N7.....	12. 6 J	R4-3026	23	-----	B	3	50	Triode No. 2.
14Q7.....	12. 6 J	R6-2375						
Short test only.								
14Q7.....	12. 6 J	R4-3076				3	57	
14R7.....	12. 6 J	R6-2570	10	---	C	3	38	Pentode sect.
14R7.....	12. 6 J	R0-4072	0	0	A	2	30	Diode No. 1.
14R7.....	12. 6 J	R0-3072	0	0	A	2	30	Diode No. 2.
14S7.....	12. 6 J	R6-2574	18	---	B	3	38	Heptode sect.
14S7.....	12. 6 J	R4-3576	0	---	B	3	38	Triode sect.
14V7.....	12. 6 J	R6-2374	6	-----	C	3	50	

DATA TABLE—Continued

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	J X1-2030	56		D	3	33	Triode No. 2.
15EW6.....	12.6	ET1-5627	24		C	3	41	Set LINE TEST at 68.
16A5.....	20.0	E V2-7930	27		C	3	56	Make LINE TEST at 50.
16A8.....	20.0	E V3-6720	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	J X0-5030	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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
#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	GR3-2000	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	HS5-0630	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	EV2-5370	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	ET5-2076	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	Fila- ment	Selectors	Bias	Shunt	Range	Press	Mini- mum 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.
21 A6.....	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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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.								
26N6.....	25.0	HS5-3480	0	-----	B	3	63	
26T.....	6.3	ER3-0000	0	-----	B	3	35	Cap connects to plate.
26W4.....	25.0	HY0-5030	0	63	A	7	40	
26W6.....	25.0	HS5-3480	56	-----	C	3	38	
26Y5.....	25.0	GR0-5040	0	33	A	7	40	Plate No. 1.
26Y6.....	25.0	GR0-2030	0	33	A	7	40	Plate No. 2.
26Z5.....	25.0	GR0-5040	0	60	A	7	40	Plate No. 1.
26Z5.....	25.0	GR0-2030	0	60	A	7	40	Plate No. 2.
26Z5MG.....	25.0	HS0-5080	0	60	A	7	40	Plate No. 1.
26Z5MG.....	25.0	HS0-3040	0	60	A	7	40	Plate No. 2.
26Z6.....	25.0	HS0-5081	0	60	A	7	40	Plate No. 1.
26Z6.....	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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	FR3-2040	41	- - - -	B	3	25	
28D7	25.0	JR7-5362	20	- - - -	D	(#)	17	Pentode No. 1.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
28D7	25.0	JR2-4367	20	- - - -	D	(#)	17	Pentode No. 2.
#Hold down pushbutton 2-DIODE and press pushbutton 3-MUT. COND.								
30	2.0	ER3-2000	40	- - - -	B	3	23	
31	2.0	ER3-2000	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	FR3-2400	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	HR3-0040	18	- - - -	C	3	33	Triode No. 1. Right cap connects to plate.
RK34	6.3	II 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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- value</i>	<i>Notations</i>
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

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
#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	Mini- mum 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	HS0-6080	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

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
83.....	5.0	ER0-3000	0	66	A	7	40	Plate No. 1.
83	5.0	ER0-2000	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	ER3-2000	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	HS9 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	HV6-2480	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	Fila- ment	Selectors	Bias	Shunt	Range	Press	Mini- mum 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	4	20
CK518AX...	1.1	DV4-1200	45	0 A		4	4	40
CK522AX...	1.1	DV4-1200	38	0 A		4	4	40
C K523AX.	1.1	DV4-1200	47	0 A		4	4	40
CK524AX...	1.1	DV4-1200	76	0 A		4	4	40
CK525AX...	1.1	DV4-1200	48	0 A		4	4	40
CK526AX...	1.1	DV4-1200	59	0 A		4	4	40
CK527AX...	1.1	DV4-1200	32	0 A		4	4	20
CK528AX...	1.1	DV4-1200	37	0 A		4	4	40
CK529AX...	1.1	DV4-1200	67	0 A		4	4	40
CK533AX...	1.1	DV4-1200	40	0 A		4	4	38
CK535AX...	1.1	DV4-1200	67	0 A		4	4	40
CK541DX...	1.1	DV4-1200	41	0 A		4	4	12
CK542DX...	1.1	DV4-2100	19	0 A		2	2	12
CK543DX...	0.6	DV4-2100	0	0 A		2	2	15
CK544DX...	1.1	DV4-1200	30	0 A		4	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	4	12
CK548DX...	1.1	DV4-1200	56	0 A		4	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	
CK805CX...	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	30	
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	
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#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. CO ND.

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.
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DATA TABLE--Continued

Tube type	Filament	Selectors	Bias	Shunt	Range	Press	Mini- mum 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 cap 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	Mini- mum value	Notations
1274	6.3 H S0-5083	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	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-M UT. 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 FR3-0000	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

<i>Tube type</i>	<i>Filament Selectors</i>	<i>Bias Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Minimum value</i>	<i>Notations</i>
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 pushbutton 2-DIODE and press pushbutton 3-MUT. 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.
5728_____	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	CT4-1060	5	_____	D	3	20	

DATA TABLE—Continued

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
5749.....	6.3	ET1-5872	9	-----	C	3	41	
5750.....	6.3	ET7-5821			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	ET1-5802	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	HS4-5610	13	-----	C	3	50	Plate No. 2.
5896*	6.3	DW0-5074	0	57	A	7	40	F basing. Plate No. 1.

DATA TABLE—Continued

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Minimum value</i>	<i>Notations</i>
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	
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#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. 1.
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	30	Triode No. 1.

DATA TABLE—Continued

<i>Tube type</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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	DW1-8050	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	EV3-8720	44	-----	C	3	40	Tetrode No. 1.#

DATA TABLE—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 switch 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.

Caution: 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	Fila- ment	Selectors	Bias	Shunt	Range	Press	Mini- mum 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	HS4-5813	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	ET1-5827	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	Fila- ment	Selectors	Bias	Shunt	Range	Press	Mini- mum 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.
7360.....	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 local 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	DR4-2080	27	-----	D	3	40	Use Hickok adapter Code No. 1060-127

DATA TABLE—Continued

<i>Tubetype</i>	<i>Fila- ment</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
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 H	R2-0340	35	C	3	60	Plate No. 2.#
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#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	Fila- ment	Selectors	Bias	Shunt	Range	Press	Mini- mum value	Notations
Caution: Disconnect the battery (Eveready No. 413) before changing selector settings.								
7895.....	6.3 D	R4-2060	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.
..0J5.....	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.
..0J5.....	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

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Minimum value</i>	<i>Notations</i>
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.

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

<i>VT No.</i>	<i>Coml No.</i>
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	special
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.....	6J7GT
VT-92	6Q7
VT-92A	6Q7G
VT-93	6B8
VT-93A	6B8G
VT-94	6J5

<i>VT No.</i>	<i>Coml No.</i>
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 special selection
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.

<i>VT No.</i>	<i>Coml No.</i>
VT-126A	6X5G
VT-126 B	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	12 K8 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	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	6AR6
VT-151B	6A8GT
VT-152	6K 6GT
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

<i>VT No.</i>	<i>Coml No.</i>
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	6A R7/-1853
VT-177	1LH4
VT-178	1LC6
VT-179	1LN6
VT-180	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	675A
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	6W6G
VT-197A	5Y3GT/G
VT-198A	6C6G
VT-199	6SS7
VT-200	VR-105-30
VT-201	25L6
VT-201C	25L6GT
VT-202	9002

See footnote on page 78.

<i>VT No.</i>	<i>Coml No.</i>	<i>VT No.</i>	<i>Coml No.</i>
VT-203.....	9003	VT-239 -	1LE3
VT-204.....	HK24G	VT-240.....	710A
VT-205 -	6ST7	VT-241.....	7E5/1201
VT-206A.....	5V4G	VT-243.....	7C4/-1203A
VT-207.....	12 AH7GT	VT-244 -	6U4G
VT-208.....	7B8	VT-245.....	2050
VT-209.....	12SG7	VT-246.....	918
VT-210.....	1S4	VT-247.....	6AG7
VT-211.....	6SG7	VT-248 -	1808P1
VT-212.....	958	VT-249.....	1006
VT-213A -	6L5G	VT-250 -	EF50
VT-214.....	12H6	VT-251.....	441
VT-215.....	6E5	VT-252 -	923
VT-216.....	816	VT-254 -	304TH
VT-217.....	811	VT-255 -	705A
VT-218.....	100TH	VT-256.....	ZP486
VT-219.....	Canceled	VT-257 -	K-7
VT-220 -	250TH	VT-259.....	829
VT-221.....	3Q5GT	VT-260 -	VR75-30
VT-222.....	884	VT-264.....	3Q4
VT-223.....	1H5GT	VT-266 -	1616
VT-224.....	RK34	VT-267.....	578
VT-225 -	307A	VT-268.....	12SC7
VT-226 -	2EP/1806P1	VT-269.....	717A
VT-227.....	7184	VT-277 -	417
VT-228.....	8012	VT-279.....	GY-2
VT-229.....	6SL7GT	VT-280 ^a	C7063
VT-230.....	350A	VT-281 ^a -	HY-145ZT
VT-231 -	6SN7GT	VT-282.....	ZG489
VT-232.....	E-1148	VT-283 ^a	QF-206
VT-233.....	6SR7	VT-284 ^a -	QF-197
VT-234.....	HY-114B	VT-285 ^a -	QF-200C
VT-235.....	HY-615	VT-286.....	832A
VT-236.....	836	VT-287.....	815
VT-237.....	957	VT-288.....	12SH7
VT-238.....	956	VT-289.....	12SL7GT

^a Indicates VT number has been canceled

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

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
CV61.....	6.3	CX8-4050	0	100	A	3	.....	Eye open.
CV61.....	6.3	CX8-4350	0	100	A	3	.....	Eye closed.

DATA TABLE FOR CV TYPE TUBES—Continued

Tube type	Filament	Selectors	Bias	Shunt	Range	Press	Mini- mum 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	DUG-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	CX5-6480	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 adapt- er.* 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

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Mini- mum value</i>	<i>Notations</i>
CV826.....	4.3	EV2-1060	13	---	B	3	35	
CV1037.....	4.3	DU2-1060	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 con- nects 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 adapt- er.* Place lead to top pin. Cap con- nects 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 adapt- er.* 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 CVTYPB TUBES—Continued

<i>Tube type</i>	<i>Filament</i>	<i>Selector</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Min- imum value</i>	<i>Notations</i>
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 40	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	0	.....	C	3	30	
Acorn 5-pin								
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 adapt- er. 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

<i>Tube type</i>	<i>Filament</i>	<i>Selectors</i>	<i>Bias</i>	<i>Shunt</i>	<i>Range</i>	<i>Press</i>	<i>Minimum value</i>	<i>Notations</i>
CV1510...	6.3	BY7-2363	39		C	—	40	
CV1574	4.3	JR0-3452	12		D		25	Top cap connects to grid.
CV1581...	6.3	HS5-3436	16		C	3	18	Hexode sect. Top cap connects to grid.
CV1581....	6.3	HS5-6483	26		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	EY5-2360	33		C	3	48	
CV2243....	6.3	EV2-7833	19		D	3	30	
CV4040...	6.3	ET1-5720	32	0	C	3	42	
CV4061....	1.5	ER0-0900	0	51	A	4	40	
CV4082....	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.

* Available through British and Canadian supply channels

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USATC Inf (2)	1-27	6-201
USAOMC (1)	1-37	6-300
Svc College (1)	1-67	6-301
Br Svc Sch (1)	1-107	6-315
GENDEP (2)	1-207	6-316
Sig Sec GENDEP (5)	3-266	6-325
Ord Dep (CONUS) (5)	5-5	6-326
Sig Dep (10) except	5-6	6-401
Sacramento Sig Dep	5-7	6-415
(20)	5-8	6-416
USMA (2)	5-15	6-425
PG (2)	5-16	6-426
USA Hosp (2)	5-17	6-501
Lab (1)	5-35	6-525
Arsenals (2)	5-36	6-535
BAMC (2)	5-37	6-536
WRAMC (10)	5-38	6-537
POE (2)	5-78	6-545
OSA (2)	5-115	6-555
USAETG (2)	5-116	6-558
AFIP (2)	5-118	6-566
AMS (1)	5-192	6-575
Army Airfield	F-225	6-576
(CONUS) (2)	5-226	6-577
Army Pictorial Cen	5-227	6-585
(2)	5-278	6-630
EMC (2)	5-348	6-631
USACA (3)	5-355	7-11
USASSA (20)	5-356	7-12

7-19	11-87	19-67
7-25	11-95	19-217
7-26	11-96	19-500 (A A-AE)
7-27	11-97	20-45
7-32	11-98	20-46
7-52	11-99	29-56
8-15	11-117	30-15
8-16	11-155	30-19
8-75	11-157	30-22
8-76	11-158	32-51
8-137	11-237	32-56
8-500 (AA-AH)	11-500 (AA-AE)	32-67
9-22	(4)	32-500
9-47	11-555	33-56
9-65	11-557	33-77
9-66	11-558	33-105
9-86	11-587	33-106
9-87	11-592	33-107
9-217	11-597	33-500 (AC)
9-227	11-608	33-600 (AA-AC)
9-377	12-17	39-51
9-500 (AA-AC)	12-32	39-52
10-22	17-2	39-61
10-105	17-17	39-65
10-106	17-22	39-501
10-202	17-25	44-2
10-206	17-26	44-7
10-377	17-27	44-8
10-445	17-32	44-12
10-536	17-45	44-15
11-5	17-46	44-16
11-6	17-51	44-17
11-7	17-52	44-35
11-8	17-55	44-36
11-15	17-56	44-37
11-16	17-57	44-67
11-17	17-62	44-70
11-18	17-65	44-102
11-38	17-66	11-112
11-45	17-85	44-435
11-46	17-86	44-436
11-55	17-115	44-437
11-56	17-116	44-445
11-57	17-117	44-446
11-58	19-29	44-447
11-86	19-55	44-448

44-500 (AA-AB)	55-11	55-76
44-535	55-12	55-116
44-536	55-16	55-126
44-537	55-27	55-127
44-544	55-28	55-128
44-545	55-38	55-129
44-546	55-46	55-157
44-547	55-47	55-500 (AA-AE)
44-548	55-57	
44-500 (AA-AC)	55-75	

NG: State AG (3); units—same as Active Army except allowance is one copy to each unit.

USAR: None.

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

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



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RECOMMENDATION MAKE A CARBON COPY OF THIS
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THE METRIC SYSTEM AND EQUIVALENTS

LENGTH MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
 1 Kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

1 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

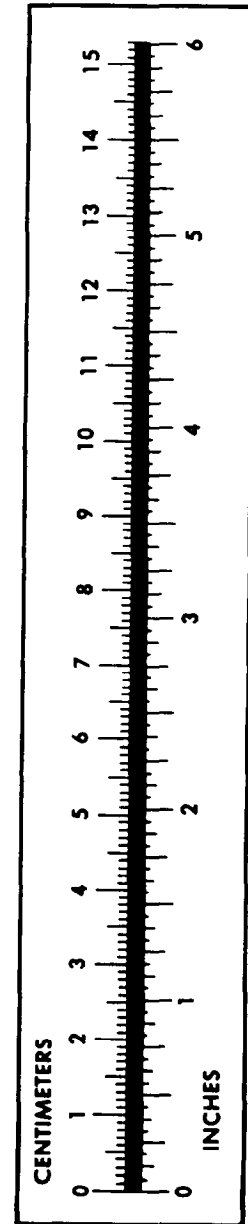
TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

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
Quarts	Liters	0.473
Gallons	Liters	0.946
Ounces	Liters	3.785
Pounds	Grams	28.349
Short Tons	Kilograms	0.454
Pound-Feet	Metric Tons	0.907
Pounds per Square Inch	Newton-Meters	1.356
Miles per Gallon	Kilopascals	6.895
Miles per Hour	Kilometers per Liter	0.425
	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
Liters	Gallons	0.264
Grams	Ounces	0.035
Grams	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
Kilometers per Liter	Miles per Gallon	2.354
Kilometers per Hour	Miles per Hour	0.621



PIN: 012875-003