



TEST DATA
FOR
MODELS 539B & 539C
TUBE TESTERS

© THE HICKOK ELECTRICAL INSTRUMENT CO.—
10514 DUPONT AVENUE • CLEVELAND, OHIO 44108

PHONE — 541-8060
TWX — CV 662

CABLE — HICKOK, CLEVELAND
WESTERN UNION — KJ

GENERAL TEST DATA

For further information see

OBSOLETE TUBE TYPES

FOREIGN TUBE TYPES

NOTES

- Note 1:** The letter, in the column that precedes the Mutual Conductance Reading, indicates the setting for the Function Switch.
- Note 2:** A * in the Bias column indicates Bias should be set at 40 Volts and proper button pressed while Bias control is rotated until tube strikes. The striking voltages on the chart are nominal values and reference to handbook critical grid characteristic thyratron curves will reveal appreciable variations from these average values.
- Note 3:** A star ★ indicates Emission Test only and good tubes should read above mark, Rectifiers and Diodes O.K.
- Note 4:** Mutual Conductance Values are minimum. Discard tubes which read lower.
- Note 5:** Adjust Bias Volts after P4 is pressed for Mutual Conductance Readings.
- Note 6:** A symbol (♣) in the Notations column indicates that Short on Position A is normal.
- Note 7:** A symbol (‡) to the right of the tube type indicates that for TUBE TESTER Model 539B, the Universal Adapter CA-5, 1050-164, is available for testing tubes with the more recent type basings, such as, Compactrons, Novars, 5 and 7-pin Nuvistors and the new 10-pin tubes, including Decals. The CA-4, 1050-135 Adapter (Discontinued) can still be used, but requires the use of the SA-11, 1050-177 Adapter for testing Decal types. Test data for these tubes is supplied in supplementary form with the adapters.

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS |
|-----------|-----|-----------|------------|-------------|-----------------|--|-------------|-----|-----------|------------|-------------|-----------------|---|
| 0A2 | Off | AP-0502-0 | --- | P4 | H 150v | Starts at about 15V Regulation-3 Volts From 5 to 30 MA | 2AF4 | 2.5 | ET-2105-0 | 1.4 | --- | C 4200 | Plate Volts=Low |
| 0A3/VR75 | Off | AP-0502-0 | --- | P4 | H 75v | Starts at about 100 V Regulation-3 Volts From 5 to 40 MA | 2AH2† | 2.5 | B3-0000-0 | 0.0 | 0 | G ★ | Cap=P |
| 0B2 | Off | AP-0502-0 | --- | P4 | H 108v | Starts at about 115V Regulation-3 Volts From 5 to 30 MA | 2AS2† | 2.0 | B3-0000-0 | 0.0 | 0 | G ★ | Cap=P |
| 0B3/VR90 | Off | AP-0502-0 | --- | P4 | H 90v | Starts at about 105V Regulation-3 Volts From 5 to 30 MA | 2AV2 | 2.0 | EV-0900-0 | 0.0 | 35 | G ★ | Cap=P |
| 0C2 | Off | AP-0502-0 | --- | P4 | H 75v | Starts at about 105V Regulation-3 Volts From 5 to 30 MA | 2AZ2 | 2.0 | BS-0000-0 | 0.0 | 46 | G ★ | Cap=P |
| 0C3/VR105 | Off | AP-0502-0 | --- | P4 | H 105v | Starts at about 115V Regulation-3 Volts From 5 to 30 MA | 2BJ2 | 2.5 | EV-0100-0 | 0.0 | 23 | G ★ | Cap=P |
| 0D3/VR150 | Off | AP-0502-0 | --- | P4 | H 150v | Starts at about 160V Regulation-3 Volts From 5 to 40 MA | 2BN4 | 2.0 | ET-2501-0 | 1.9 | --- | C 4300 | --- |
| 0E3/85A1 | Off | AP-0208-0 | --- | P4 | H 85v | Starts at about 120V Regulation-3 Volts From 1 to 8MA | 2BN4A | 2.0 | ET-2501-0 | 2.4 | --- | C 5000 | --- |
| 0G3/85A2 | Off | AP-0102-0 | --- | P4 | H 85v | Starts at about 125V Regulation-3 Volts From 1 to 10 MA | 2BU2† | 2.5 | B3-0000-0 | 0.0 | 12 | G ★ | Cap=P |
| {0Z4 | Off | AP-0508-0 | 0.0 | P2 | G ★ | Plate No. 1. Hold Barbs down for 5 seconds | {2C51 | 6.3 | KR-7608-2 | 2.0 | --- | C 3150 | Triode No. 1 |
| {0Z4 | Off | AP-0308-0 | 0.0 | P2 | G ★ | Plate No. 2. Hold Barbs down for 5 seconds | {2C51 | 6.3 | KR-3402-8 | 2.0 | --- | C 3150 | Triode No. 2 |
| 1A3 | 1.4 | HR-0203-0 | 0.0 | P1 | D ★ | Diode | 2CN3A | 2.0 | HS-0000-0 | 0.0 | 20 | G ★ | Cap=P |
| 1AD2† | 1.4 | B3-0000-0 | 0.0 | P5 | C ★ | Cap=P | {2CW4† | 2.0 | DR-4208-0 | 0.5 | --- | C 5000 | Plate Volts=Low. Use Adapter SA-3, 1050-127. Note 7 |
| 1AD4 | 1.1 | DV-4120-0 | 1.0 | P4 | D ★ | Cap=P | Model 539C: | --- | --- | --- | --- | --- | --- |
| 1AG4 | 1.1 | DV-4120-0 | 4.3 | P4 | D ★ | Cap=P | {2CW4 | 2.0 | 13-4208-0 | 0.5 | --- | C 5000 | Plate Volts=Low |
| 1AH4 | 1.1 | FT-4120-0 | 1.7 | P4 | E ★ | Cap=P | 2CY5 | 2.5 | ET-1562-0 | 1.0 | --- | C 2800 | Plate Volts=Low |
| 1AK4 | 1.1 | FT-4120-0 | 1.0 | P4 | D ★ | Cap=P | 2D21 | 6.3 | ET-1602-5 | # | 89 | G ★ | Strikes at about 1.8 V. |
| 1AU2 | 1.1 | EV-0900-0 | 0.0 | P5 | D ★ | Cap=P | 2DF4 | 2.5 | EV-8310-0 | 4.8 | --- | D 2500 | Short on Pos. 1-2-A-B Plate Volts=Low. Use Adapter SA-3, 1050-127. Note 7 |
| 1AY2 | 1.1 | CX-0000-0 | 0.0 | P5 | G ★ | Cap=P | {2DS4† | 2.0 | DR-4202-0 | 0.4 | --- | C 4700 | --- |
| 1B3 | 1.1 | HS-0000-0 | 0.0 | P5 | G ★ | Cap=P | Model 539C: | --- | --- | --- | --- | --- | --- |
| 1BC2 | 1.1 | BV-0000-0 | 0.0 | P5 | G ★ | Cap=P | {2EG4 | 2.0 | 13-4208-0 | 1.7 | --- | C 3000 | Set "Power Adjust" at 91V. Use Adapter SA-3, 1050-127. Note 7 |
| 1BH2 | 1.1 | DW-0000-0 | 0.0 | P5 | G ★ | Cap=P | 2EG4 | 2.0 | ET-0705-6 | 0.0 | 0 | G ★ | Diode No. 1 |
| 1BK2 | 1.4 | BS-0000-0 | 0.0 | P5 | G ★ | Cap=P | {2EN5 | 2.0 | ET-0205-6 | 0.0 | 0 | G ★ | --- |
| 1BX2 | 1.4 | BS-0000-0 | 0.0 | P5 | G ★ | Cap=P | 2ER5 | 2.0 | ET-2567-0 | 0.8 | --- | C 6600 | --- |
| 1BY2† | 1.1 | B3-0000-0 | 0.0 | P5 | C ★ | Cap=P | 2ES5 | 2.5 | ET-2501-0 | 1.0 | --- | C 4500 | --- |
| 1DG3 | 1.1 | DY-0000-0 | 0.0 | P5 | C ★ | Cap=P | 2EV5 | 2.5 | ET-1562-0 | 1.2 | --- | C 5500 | --- |
| 1D-K29 | 1.1 | BS-0000-0 | 0.0 | P3 | B ★ | Top Leads. Connect Fil leads to Pins 1 and 2 | 2FH5 | 2.5 | ET-2507-0 | 1.0 | --- | C 5500 | --- |
| 1G3 | 1.1 | HS-0000-0 | 0.0 | P5 | G ★ | Cap=P | 2FO5 | 2.5 | ET-2507-6 | 1.2 | --- | C 5000 | --- |
| 1H2 | 1.4 | BS-0000-0 | 0.0 | P5 | G ★ | Cap=P | 2FQ5A | 2.5 | ET-2507-6 | 1.2 | --- | C 6500 | --- |
| 1K3 | 1.1 | HS-0000-0 | 0.0 | P5 | G ★ | Cap=P | 2FS5 | 2.5 | ET-1567-0 | 0.2 | --- | C 5500 | --- |
| 1N2 | 1.1 | HS-0000-0 | 0.0 | P5 | G ★ | Cap=P | 2FV6 | 2.5 | ET-1567-2 | 2.0 | --- | C 3500 | --- |
| {1R5 | 1.4 | BX-6234-0 | 2.0 | P4 | E ★ | Cap=P | 2GK5 | 2.5 | ET-2507-6 | 1.2 | --- | C 6500 | --- |
| {1R5 | 1.4 | BX-4306-2 | 2.0 | P4 | E ★ | Cap=P | 2GU5 | 2.5 | ET-1562-0 | 0.4 | --- | C 8500 | --- |
| 1R-K23 | 1.4 | ES-0000-0 | 0.0 | P5 | G ★ | Cap=P | 2GW5 | 2.5 | ET-2105-0 | 1.2 | --- | C 9400 | --- |
| 1S2A | 1.4 | ES-0000-0 | 0.0 | P5 | G ★ | Cap=P | 2HA5 | 2.0 | ET-1507-6 | 1.2 | --- | C 8000 | --- |
| 1S4 | 1.4 | BX-3240-0 | 4.5 | P4 | E ★ | Cap=P | 2HK5 | 2.5 | ET-1502-0 | 1.0 | --- | C 7500 | --- |
| {1S5 | 1.4 | BX-6540-0 | 1.0 | P4 | E ★ | Cap=P | 2HM5 | 2.5 | ET-1507-6 | 1.2 | --- | C 8000 | --- |
| {1S5 | 1.4 | BX-0340-0 | 0.0 | P1 | D ★ | Cap=P | 2HQ5 | 2.5 | ET-1507-6 | 1.4 | --- | C 4500 | --- |
| 1U4 | 1.4 | BX-6230-0 | 0.0 | P1 | D ★ | Cap=P | 2T4 | 2.5 | ET-2105-0 | 1.4 | --- | C 4400 | Plate Volts=Low |
| 1V2 | 0.6 | EV-0900-0 | 0.0 | P5 | E ★ | Cap=P | 3A2 | 3.0 | BS-0000-0 | 0.0 | 30 | G ★ | Cap=P |
| 1W5 | 1.1 | EV-2780-0 | 0.5 | P4 | D ★ | Cap=P | 3A3 | 3.0 | HS-0000-0 | 0.0 | 0 | G ★ | Cap=P |
| 1X2 | 1.1 | BS-0000-0 | 0.0 | P5 | G ★ | Cap=P | 3AF4A | 3.0 | ET-2105-0 | 1.4 | --- | C 4200 | Plate Volts=Low |

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|-----------|-----|-----------|------------|-------------|-----------------|---|-----------|-----|-----------|------------|-------------|-----------------|--------------------------------------|
| {3AL5 | 3.0 | ET-0701-6 | 0.0 | 0 | G | Diode No. 1 | 3DH3 | 3.0 | DY-0000-0 | 0.0 | P5 | G | Cap = P |
| {3AL5 | 3.0 | ET-0205-6 | 0.0 | 0 | G | Diode No. 2 | 3DJ3 | 3.0 | HS-0000-0 | 0.0 | P5 | G | Cap = P |
| 3AT2† | 3.0 | B3-0000-0 | 0.0 | 17 | G | Cap = P | 3DK6 | 3.0 | ET-1562-7 | 1.0 | P4 | C | 4400 |
| 3AU6 | 3.0 | ET-1567-2 | 1.0 | --- | C | Triode Sect. | 3DR3 | 3.0 | DS-0000-0 | 0.0 | P5 | C | Cap = P |
| {3AV6 | 3.0 | ET-1702-5 | 1.3 | --- | E | Diode No. 1 | 3DS3 | 3.0 | DS-0000-0 | 0.0 | P5 | C | Cap = P |
| {3AV6 | 3.0 | ET-1602-5 | 0.0 | --- | D | Diode No. 2 | {3DT6 | 3.0 | ET-1562-7 | 3.4 | P4 | E | Grid No. 1 |
| {3AV6 | 3.0 | ET-1502-7 | 0.0 | --- | D | Cap = P | {3DT6 | 3.0 | ET-7562-1 | 1.8 | --- | E | Grid No. 3 Hold down P1 and Press P4 |
| 3AW2† | 3.0 | C3-0000-0 | 0.0 | 20 | G | Cap = P | 3DX4 | 3.0 | ET-2105-0 | 3.6 | P4 | C | Plate Volts = Low |
| 3AW3 | 3.0 | HS-0000-0 | 0.0 | 0 | G | Cap = P | 3DZ4 | 3.0 | ET-2105-0 | 0.8 | P4 | C | |
| 3B2 | 3.0 | HS-0000-0 | 0.0 | --- | E | Cap = P | 3EA5 | 3.0 | ET-1562-0 | 1.2 | P4 | C | |
| 3B4 | 2.5 | EV-3710-0 | 15.0 | --- | E | Cap = P | 3EH7 | 3.0 | EV-2781-9 | 2.8 | P4 | C | |
| 3BA6 | 3.0 | ET-1567-2 | 1.0 | --- | E | 1070 | 3EJ7 | 3.0 | EV-2781-9 | 1.2 | P4 | C | |
| 3BC5 | 3.0 | ET-1562-0 | 0.6 | --- | D | 2070 | 3ER5 | 3.0 | ET-2567-0 | 0.8 | P4 | C | |
| {3BE6 | 3.0 | ET-7562-1 | 0.0 | --- | C | 3100 | 3EV5 | 3.0 | ET-1562-0 | 1.2 | P4 | C | |
| {3BE6 | 3.0 | ET-1602-7 | 2.0 | --- | D | Ampl. Sect. Hold down P1 and Press P4 | 3FH5 | 3.0 | ET-2507-0 | 1.0 | P4 | C | |
| 3BL2† | 3.0 | B3-0000-0 | 0.0 | 12 | G | Osc. Sect. | 3FS5 | 3.0 | ET-1567-0 | 0.2 | P4 | C | |
| 3BM2† | 3.0 | B3-0000-0 | 0.0 | 12 | G | Cap = P | 3GK5 | 3.0 | ET-2507-6 | 1.2 | P4 | C | |
| 3BN2† | 3.0 | B3-0000-0 | 0.0 | --- | E | Cap = P | 3GW5 | 3.0 | ET-2105-0 | 1.2 | P4 | C | |
| 3BN4 | 3.0 | ET-2501-0 | 1.9 | --- | E | Cap = P | 3HA5 | 2.5 | ET-1507-6 | 1.2 | P4 | C | |
| 3BN4A | 3.0 | ET-2501-0 | 2.4 | --- | C | Cap = P | 3HK5 | 3.0 | ET-1502-0 | 1.0 | P4 | C | |
| {3BN6 | 3.0 | ET-2751-6 | 0.0 | --- | C | 4300 | 3HM5 | 3.0 | ET-1507-6 | 1.2 | P4 | C | |
| {3BN6 | 3.0 | ET-6751-2 | 0.4 | --- | E | Unlim. Grid Plate Volts = Low Quadrature Grid Plate Volts = Low | 3HQ5 | 3.0 | ET-1507-6 | 1.4 | P4 | C | |
| 3BS2A† | 3.0 | B3-0000-0 | 0.0 | 12 | G | Cap = P | 3JC6 | 3.0 | EV-2781-9 | 0.8 | P4 | C | |
| 3BT2† | 3.0 | C3-0000-0 | 0.0 | 20 | G | Cap = P | 3JH6 | 3.0 | ET-1562-7 | 1.2 | P4 | C | |
| {3BU8 | 3.0 | EV-7821-9 | 0.0 | --- | D | Cap = P | {3KF8 | 3.0 | EV-7821-9 | 1.0 | P4 | E | Pent. No. 1 |
| {3BU8 | 3.0 | EV-7321-6 | 0.0 | --- | D | Pent. No. 1, Hold down P1 and Press P4 | {3KF8 | 3.0 | EV-7321-6 | 1.0 | P4 | E | Pent. No. 2 |
| 3BW2† | 3.0 | B3-0000-0 | 0.0 | 35 | G | Cap = P | 3KT6 | 3.0 | EV-2781-9 | 1.0 | P4 | C | |
| 3BX6 | 3.0 | EV-2781-9 | 0.5 | --- | C | 4500 | 3V4 | 3.0 | HR-6230-0 | 6.0 | P4 | C | |
| {3BY6 | 3.0 | ET-1562-7 | 1.0 | --- | D | 1200 | 4AU6 | 4.3 | ET-1567-2 | 1.0 | P4 | E | 2500 |
| {3BY6 | 3.0 | ET-7562-1 | 3.2 | --- | D | 315 | {4AV6 | 4.3 | ET-1702-5 | 1.3 | P4 | E | 800 |
| 3BZ6 | 3.0 | ET-1562-7 | 1.2 | --- | C | 3850 | {4AV6 | 4.3 | ET-1602-5 | 0.0 | P1 | D | Triode Sect. |
| 3C4 | 2.5 | BX-6230-0 | 4.0 | --- | E | 850 | {4AV6 | 4.3 | ET-1502-7 | 0.0 | P1 | D | Diode No. 1 |
| 3CA3 | 3.0 | HS-0000-0 | 0.0 | 13 | G | Cap = P | 4BC5 | 4.3 | ET-1562-0 | 0.6 | P4 | C | Diode No. 2 |
| 3CB6 | 3.0 | ET-1562-7 | 1.0 | --- | C | 3900 | {4BC8 | 4.3 | EV-7608-9 | 2.4 | P4 | C | Triode No. 1 |
| 3CE5 | 3.0 | ET-1562-0 | 1.0 | --- | C | 3900 | {4BC8 | 4.3 | EV-2103-9 | 2.4 | P4 | C | Triode No. 2 |
| 3CN3A | 3.0 | HS-0000-0 | 0.0 | 20 | G | Cap = P | {4BN6 | 4.3 | ET-2751-6 | 0.0 | P4 | D | Unlim. Grid. Plate Volts = Low |
| {3CS6 | 3.0 | ET-1562-7 | 0.0 | --- | D | Cap = P | {4BN6 | 4.3 | ET-6751-2 | 0.4 | P4 | D | Quadrature Grid. Plate Volts = Low |
| {3CS6 | 3.0 | ET-7562-1 | 0.0 | --- | D | Grid No. 1 Grid No. 3 Plate Volts = Low | {4BQ7A | 4.3 | EV-7608-9 | 2.0 | P4 | C | Triode No. 1 |
| 3CU3 | 3.0 | HS-0000-0 | 0.0 | 12 | G | Cap = P | {4BS8 | 4.3 | EV-2103-9 | 2.0 | P4 | C | Triode No. 2 |
| 3CV3A | 3.0 | HS-0000-0 | 0.0 | 17 | G | Cap = P | {4BS8 | 4.3 | EV-7608-9 | 0.0 | P4 | C | Triode No. 1 |
| 3CX3 | 3.0 | DY-0000-0 | 0.0 | 20 | G | Cap = P | {4BS8 | 4.3 | EV-2103-9 | 0.0 | P4 | C | Triode No. 2 |
| 3CY3 | 3.0 | HS-0000-0 | 0.0 | 20 | G | Cap = P | {4BU8 | 4.3 | EV-7821-9 | 0.0 | D | D | Triode No. 1 |
| 3CY5 | 3.0 | ET-1562-0 | 1.0 | --- | C | 2800 | {4BU8 | 4.3 | EV-7321-6 | 0.0 | --- | D | Triode No. 2 |
| 3CZ3 | 3.0 | HS-0000-0 | 0.0 | 12 | G | Cap = P | 4BZ6 | 4.3 | ET-1562-7 | 1.2 | P4 | C | |
| 3DA3 | 3.0 | DY-0000-0 | 0.0 | 20 | G | Cap = P | {4BZ7 | 4.3 | EV-7608-9 | 2.2 | P4 | C | |
| 3DB3 | 3.0 | HS-0000-0 | 0.0 | 0 | G | Cap = P | {4BZ7 | 4.3 | EV-2103-9 | 2.2 | P4 | C | |
| 3DC3 | 3.0 | HS-0000-0 | 0.0 | 12 | G | Cap = P | 4CB6 | 4.3 | ET-1562-7 | 1.0 | P4 | C | |
| 3DF3 | 3.0 | DY-0000-0 | 0.0 | 20 | G | Cap = P | {4CS6 | 4.3 | ET-1562-7 | 0.0 | P4 | D | Grid No. 1 |
| {3DG4 | 3.0 | DR-0700-0 | 0.0 | 90 | G | Plate No. 1 | {4CS6 | 4.3 | ET-1562-7 | 0.0 | P4 | D | Plate Volts = Low |
| {3DG4 | 3.0 | DR-0500-0 | 0.0 | 90 | G | Plate No. 2 | | | | | | | Grid No. 3 Plate Volts = Low |

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|-----------|-----|-----------|------------|-------|-------|-----------------|--|-----------------------------------|-----|-----------|------------|-------|-------|-----------------|-----------|
| 4CY5 | 4.3 | ET-1562-0 | 1.0 | --- | P4 | C | Plate Volts - Low | 5AQ5 | 5.0 | ET-1562-0 | 2.1 | --- | P4 | D | 2600 |
| 4DE6 | 4.3 | ET-1562-7 | 1.0 | --- | P4 | C | | {5AR4 | 5.0 | JS-0600-0 | 0.0 | 88 | P3 | G | ★ |
| 4DK6 | 4.3 | ET-1562-7 | 1.0 | --- | P4 | C | | {5AR4 | 5.0 | JS-0400-0 | 0.0 | 88 | P3 | G | ★ |
| {4DT6 | 4.3 | ET-1562-7 | 3.4 | --- | P4 | E | Grid No. 1 | {5AS8 | 5.0 | EV-2913-7 | 1.0 | --- | P4 | C | 3900 |
| {4DT6 | 4.3 | ET-1562-1 | 1.8 | --- | P4 | E | Grid No. 2, Hold down P1 and press P4 | {5AS8 | 5.0 | EV-0608-7 | 0.0 | 0 | P1 | G | ★ |
| 4EH7 | 4.3 | EV-2781-9 | 2.8 | --- | P4 | C | | {5AT8 | 5.0 | EV-9673-8 | 1.2 | --- | P4 | C | 2900 |
| 4EJ7 | 4.3 | EV-2781-9 | 1.2 | --- | P4 | C | | {5AT8 | 5.0 | EV-1203-8 | 2.0 | --- | P4 | C | 3650 |
| {4ES8 | 4.3 | EV-7608-0 | 2.4 | --- | P4 | C | Triode No. 1 | {5AU4 | 6.3 | JS-0600-0 | 0.0 | 88 | P3 | G | ★ |
| {4ES8 | 4.3 | EV-2103-0 | 2.4 | --- | P4 | C | Triode No. 2 | {5AU4 | 6.3 | JS-0400-0 | 0.0 | 87 | P3 | G | ★ |
| 4EW6 | 4.3 | ET-1562-7 | 0.6 | --- | P4 | C | | {5AV8 | 5.0 | EV-6987-3 | 0.8 | --- | P4 | C | 3900 |
| 4GK5 | 4.3 | ET-2507-6 | 1.2 | --- | P4 | C | | {5AV8 | 5.0 | EV-2301-9 | 4.6 | --- | P4 | D | 2100 |
| 4GM6 | 4.3 | ET-1562-7 | 1.0 | --- | P4 | C | | {5B8 | 5.0 | EV-6987-1 | 1.0 | --- | P4 | C | 3900 |
| {4GS8 | 4.3 | EV-7821-9 | 0.0 | --- | --- | D | Pent. No. 1, Hold down P1 and Press P4 | {5B8 | 5.0 | EV-2301-9 | 4.4 | --- | P4 | D | 2100 |
| {4GS8 | 4.3 | EV-7321-6 | 0.0 | --- | --- | D | Pent. No. 2, Hold down P1 and Press P4 | {5BC3† | 5.0 | BT-0900-0 | 0.0 | 85 | P3 | G | ★ |
| {4GX7 | 4.3 | EV-2671-0 | 1.0 | --- | P4 | C | Pent. Sect. | {5BC3 | 5.0 | BT-0500-0 | 0.0 | 83 | P3 | G | ★ |
| {4GX7 | 4.3 | EV-9801-0 | 1.4 | --- | P4 | C | Triode Sect. | {Model 539C: No Adapter Required. | | | | | | | |
| 4GZ5 | 4.3 | ET-2761-0 | 2.7 | --- | P4 | D | | {5BE8 | 5.0 | EV-9678-3 | 0.8 | --- | P4 | D | 2400 |
| 4HA5 | 4.3 | ET-1507-6 | 1.2 | --- | P4 | C | | {5BE8 | 5.0 | EV-1203-0 | 1.0 | --- | P4 | C | 5350 |
| {4HA7† | 4.3 | B3-9W04-0 | 2.2 | --- | P4 | D | Triode No. 1 | {5BK7A | 5.0 | EV-7608-9 | 1.2 | --- | P4 | C | 5350 |
| {4HA7† | 4.3 | B3-X203-0 | 2.0 | --- | P4 | E | Triode No. 2 | {5BK7A | 5.0 | EV-2103-9 | 1.2 | --- | P4 | C | 5350 |
| {4HC7† | 4.3 | B3-9W04-0 | 0.6 | --- | P4 | E | Triode No. 1 | {5BQ7A | 5.0 | EV-7608-9 | 2.0 | --- | P4 | C | 4000 |
| {4HC7† | 4.3 | B3-X203-0 | 2.4 | --- | P4 | E | Triode No. 2 | {5BQ7A | 5.0 | EV-2103-9 | 2.0 | --- | P4 | C | 4000 |
| 4HK5 | 4.3 | ET-1502-0 | 1.1 | --- | P4 | C | | {5BR8 | 5.0 | EV-9678-0 | 0.8 | --- | P4 | D | 2400 |
| 4HM5 | 4.3 | ET-1507-6 | 1.2 | --- | P4 | C | | {5BR8 | 5.0 | EV-1203-0 | 1.0 | --- | P4 | C | 5350 |
| 4HM6 | 4.3 | EV-2781-9 | 0.8 | --- | P4 | C | | {5BT8 | 5.0 | EV-8679-0 | 1.0 | --- | P4 | C | 3900 |
| 4HQ5 | 4.3 | ET-1507-6 | 1.4 | --- | P4 | C | | {5BT8 | 5.0 | EV-0103-0 | 0.0 | --- | P1 | E | ★ |
| {4HS8 | 4.3 | EV-7821-9 | 1.0 | --- | P4 | D | Pent. No. 1 | {5BT8 | 5.0 | EV-0203-0 | 0.0 | --- | P1 | E | ★ |
| {4HS8 | 4.3 | EV-7321-6 | 1.0 | --- | P4 | D | Pent. No. 2 | {5BW8 | 5.0 | EV-6987-0 | 0.8 | --- | P4 | D | 2400 |
| 4HT6 | 4.3 | EV-2781-9 | 0.8 | --- | P4 | C | | {5BW8 | 5.0 | EV-0102-0 | 0.0 | 0 | P1 | G | ★ |
| 4JC6 | 4.3 | EV-2781-9 | 0.8 | --- | P4 | C | | {5BW8 | 5.0 | EV-0102-0 | 0.0 | 0 | P1 | G | ★ |
| 4JD6 | 4.3 | EV-2783-9 | 0.5 | --- | --- | C | Hold down P1 and press P4 | {5CG8 | 5.0 | EV-9678-0 | 1.2 | --- | P4 | C | 2900 |
| 4JH6 | 4.3 | ET-1562-7 | 1.2 | --- | P4 | B | | {5CG8 | 5.0 | EV-1203-0 | 2.0 | --- | P4 | C | 3650 |
| 4JK6 | 4.3 | ET-1562-7 | 0.4 | --- | P4 | C | | {5CL8 | 5.0 | EV-9678-0 | 1.0 | --- | P4 | D | 2500 |
| 4JL6 | 4.3 | ET-1562-7 | 12.0 | --- | P4 | C | | {5CL8 | 5.0 | EV-1203-0 | 0.7 | --- | P4 | C | 5000 |
| {4JW8 | 4.3 | EV-2637-0 | 1.6 | --- | P4 | D | Pent. S3ct. | {5CM8 | 5.0 | EV-2673-0 | 1.0 | --- | P4 | C | 3900 |
| {4JW8 | 4.3 | EV-9108-0 | 1.1 | --- | P4 | D | Triode Sect. | {5CM8 | 5.0 | EV-9108-0 | 1.1 | --- | P4 | D | 1260 |
| {4KE8 | 4.3 | EV-2637-0 | 0.6 | --- | P4 | C | Pent. Sect. | {5CQ8 | 5.0 | EV-2637-0 | 0.6 | --- | P4 | D | 2800 |
| {4KE8 | 4.3 | EV-9108-0 | 1.4 | --- | P4 | C | Triode Sect. | {5CQ8 | 5.0 | EV-9108-0 | 1.1 | --- | P4 | D | 4400 |
| {4KF8 | 4.3 | EV-7821-9 | 1.0 | --- | P4 | E | Pent. No. 1 | {5CZ5 | 5.0 | EV-3917-0 | 1.0 | --- | P4 | D | 3000 |
| {4KF8 | 4.3 | EV-7321-6 | 1.0 | --- | P4 | E | Pent. No. 2 | {5DH8 | 5.0 | EV-9678-0 | 0.8 | --- | P4 | C | 4400 |
| 4KT6 | 4.3 | EV-2781-9 | 1.0 | --- | P4 | C | | {5DH8 | 5.0 | EV-1203-0 | 1.3 | --- | P4 | D | 2800 |
| {4LJ8 | 4.3 | EV-9678-0 | 0.6 | --- | P4 | C | Pent. Sect. | {5DJ4 | 5.0 | JS-0600-0 | 0.0 | 87 | P3 | G | ★ |
| {4LJ8 | 4.3 | EV-1203-0 | 1.8 | --- | P4 | C | Triode Sect. | {5DJ4 | 5.0 | JS-0400-0 | 0.0 | 84 | P3 | G | ★ |
| 4LU6 | 4.3 | ET-1562-7 | 1.0 | --- | P4 | C | | {5EA8 | 5.0 | EV-2637-0 | 0.8 | --- | P4 | D | 3100 |
| {4MK8 | 4.3 | EV-7821-9 | 0.0 | --- | --- | D | Pent. No. 1, Hold down P1 and Press P4 | {5EA8 | 5.0 | EV-9108-0 | 1.4 | --- | P4 | C | 5250 |
| {4MK8 | 4.3 | EV-7321-6 | 0.0 | --- | --- | D | Pent. No. 2, Hold down P1 and Press P4 | {5ES8 | 5.0 | EV-7608-0 | 2.4 | --- | P4 | C | 7500 |
| {5AM8 | 5.0 | EV-2631-9 | 0.4 | --- | P4 | C | Pent. Sect. | {5ES8 | 5.0 | EV-2103-0 | 2.4 | --- | P4 | C | 7500 |
| {5AM8 | 5.0 | EV-0807-0 | 0.0 | 0 | P1 | G | Diode Sect. | {5E8 | 5.0 | EV-7198-0 | 0.8 | --- | P4 | D | 3100 |
| {5AN8 | 5.0 | EV-8679-1 | 0.8 | --- | P4 | C | Pent. Sect. | {5E8 | 5.0 | EV-2306-0 | 1.4 | --- | P4 | C | 5250 |
| {5AN8 | 5.0 | EV-2173-6 | 4.6 | --- | P4 | D | Triode Sect. | {5EW6 | 5.0 | ET-1562-7 | 0.6 | --- | P4 | C | 6500 |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS |
|-----------|-----|-----------|------------|-------|-------|-----------------|--------------|-----------|-----|-----------|------------|-------|-------|-----------------|----------------------------------|
| {5FG7 | 5.0 | EV-9678-0 | 1.0 | --- | P4 | D | Pent. Sect. | {5V3 | 5.0 | JS-0600-4 | 0.0 | 87 | P3 | G | Plate No. 1 |
| {5FG7 | 5.0 | EV-1203-0 | 1.4 | --- | P4 | C | Triode Sect. | {5V3 | 5.0 | JS-0400-6 | 0.0 | 86 | P3 | G | Plate No. 2 |
| {5FV8 | 5.0 | EV-9678-0 | 1.0 | --- | P4 | D | Pent. Sect. | {5V4 | 5.0 | JS-0600-0 | 0.0 | 89 | P3 | G | Plate No. 1 |
| {5FV8 | 5.0 | EV-1203-0 | 1.6 | --- | P4 | D | Triode Sect. | {5V4 | 5.0 | JS-0400-0 | 0.0 | 89 | P3 | G | Plate No. 2 |
| {5GH8 | 5.0 | EV-2637-0 | 1.7 | --- | P4 | D | Pent. Sect. | {5V6 | 5.0 | HS-5348-0 | 3.3 | --- | P4 | D | 2600 |
| {5GH8 | 5.0 | EV-9108-0 | 1.3 | --- | P4 | C | Triode Sect. | {5V9† | 5.0 | FW-3741-2 | 1.0 | --- | E | 700 | |
| {5GM6 | 5.0 | ET-1562-7 | 1.0 | --- | P4 | C | 6000 | {5V9 | 5.0 | FW-8W09-0 | 2.4 | --- | C | 3150 | |
| {5GS7 | 5.0 | EV-9678-0 | 0.4 | --- | P4 | C | 5000 | {5X8 | 5.0 | EV-7986-1 | 1.2 | --- | C | 2900 | |
| {5GS7 | 5.0 | EV-1203-0 | 5.0 | --- | P4 | C | 3100 | {5X8 | 5.0 | EV-2306-1 | 2.0 | --- | C | 3650 | |
| {5GX6 | 5.0 | ET-1562-7 | 1.5 | --- | P4 | E | 900 | {5X9† | 6.3 | FW-3782-4 | 1.5 | --- | C | 4700 | |
| {5GX7 | 5.0 | EV-2671-0 | 1.0 | --- | P4 | C | 4400 | {5X9 | 6.3 | FW-W901-0 | 1.2 | --- | C | 3000 | |
| {5GX7 | 5.0 | EV-9801-0 | 1.4 | --- | P4 | C | 5300 | {5Y3 | 5.0 | JS-0600-0 | 0.0 | 80 | D | 3000 | |
| {5HA7† | 5.0 | B3-9W04-0 | 2.2 | --- | P4 | D | Triode No. 1 | {5Y3 | 5.0 | JS-0400-0 | 0.0 | 75 | G | Plate No. 1 | |
| {5HA7 | 5.0 | B3-X203-0 | 2.0 | --- | P4 | E | Triode No. 2 | 6AB4 | 6.3 | ET-6107-0 | 1.6 | --- | D | 2500 | |
| {5HB7 | 5.0 | EV-2671-0 | 1.4 | --- | P4 | D | Pent. Sect. | {6AB9† | 6.3 | FW-978W-0 | 1.5 | --- | C | 4400 | |
| {5HB7 | 5.0 | EV-9801-0 | 1.0 | --- | P4 | B | Triode Sect. | {6AB9 | 6.3 | FW-3124-0 | 1.5 | --- | C | 4400 | |
| {5HC7† | 5.0 | B3-9W04-0 | 0.6 | --- | P4 | E | Triode No. 1 | 6AC7 | 6.3 | HS-4865-3 | 1.0 | --- | C | 5650 | |
| {5HC7† | 5.0 | B3-X203-0 | 2.4 | --- | P4 | C | Triode No. 2 | {6AC9† | 6.3 | B3-9XW8-7 | 1.0 | --- | C | 4400 | |
| {5HG8 | 5.0 | EV-2893-0 | 0.6 | --- | P4 | C | Pent. Sect. | {6AC9 | 6.3 | B3-0304-0 | 0.0 | 18 | G | Diode No. 1 | |
| {5HG8 | 5.0 | EV-6703-0 | 5.4 | --- | P4 | D | Triode Sect. | {6AC9 | 6.3 | B3-0203-0 | 0.0 | 18 | G | Diode No. 2 | |
| {5HZ6 | 5.0 | ET-1562-7 | 1.1 | --- | P4 | D | 1250 | {6AC10† | 6.3 | B3-9W04-0 | 1.0 | --- | C | 3450 | |
| {5J6 | 5.0 | ET-5207-0 | 1.8 | --- | P4 | C | 3340 | {6AC10 | 6.3 | B3-7506-0 | 1.0 | --- | C | 3450 | |
| {5J6 | 5.0 | ET-6107-0 | 1.8 | --- | P4 | C | 3340 | {6AC10 | 6.3 | B3-X203-0 | 1.0 | --- | C | 3450 | |
| {5JK6 | 5.0 | ET-1562-7 | 0.4 | --- | P4 | B | 6600 | {6AD7 | 6.3 | HS-5348-6 | 5.3 | --- | E | 1260 | |
| {5JL6 | 5.0 | ET-1562-7 | 12.0 | --- | P4 | C | 4350 | {6AD7 | 6.3 | HS-1608-3 | 0.0 | --- | E | 380 | |
| {5JW8 | 5.0 | EV-2637-0 | 1.6 | --- | P4 | D | 2400 | {6AD10† | 6.3 | B3-3762-5 | 1.8 | --- | D | 1200 | |
| {5JW8 | 5.0 | EV-9108-0 | 1.1 | --- | P4 | D | 2200 | {6AD10 | 6.3 | B3-8XW9-0 | 0.6 | --- | P4 | 3900 | |
| {5KD8 | 5.0 | EV-2637-0 | 0.4 | --- | P4 | D | 2900 | 6AF3 | 6.3 | EV-0002-0 | 0.0 | 89 | P3 | G | Cap. P. Reverse Meter Short on D |
| {5KD8 | 5.0 | EV-9108-0 | 1.5 | --- | P4 | C | 4700 | 6AF4 | 6.3 | ET-2105-0 | 1.4 | --- | C | 4200 | |
| {5KE8 | 5.0 | EV-2637-0 | 0.6 | --- | P4 | C | 5100 | {6AF9† | 6.3 | FW-8W97-0 | 2.2 | --- | C | 6300 | |
| {5KE8 | 5.0 | EV-9108-0 | 1.4 | --- | P4 | C | 4600 | 6AF9 | 6.3 | FW-1432-0 | 1.0 | --- | C | 6300 | |
| {5KZ8 | 5.0 | EV-2673-0 | 1.4 | --- | P4 | D | 2850 | {6AF11† | 6.3 | B3-X2W9-0 | 1.6 | --- | C | 5300 | |
| {5KZ8 | 5.0 | EV-9108-0 | 1.8 | --- | P4 | C | 3800 | 6AF11 | 6.3 | B3-6805-0 | 1.1 | --- | C | 4500 | |
| {5LJ8 | 5.0 | EV-9678-0 | 0.6 | --- | P4 | C | 5600 | 6AG5 | 6.3 | B3-3407-0 | 0.7 | --- | C | 2800 | |
| {5LJ8 | 5.0 | EV-1203-0 | 1.8 | --- | P4 | C | 4700 | 6AG7 | 6.3 | ET-1562-0 | 1.7 | --- | C | 1700 | |
| {5MB8 | 5.0 | EV-9678-0 | 0.6 | --- | P4 | C | 5600 | 6AG7 | 6.3 | HS-4865-1 | 1.7 | --- | C | 2500 | |
| {5MB8 | 5.0 | EV-1203-0 | 0.8 | --- | P4 | C | 5400 | 6AG9† | 6.3 | B3-X2W9-4 | 2.0 | --- | C | 5000 | |
| {5MQ8 | 5.0 | EV-2637-0 | 1.0 | --- | P4 | C | 4700 | 6AG9 | 6.3 | B3-5706-0 | 2.0 | --- | C | 6300 | |
| {5MQ8 | 5.0 | EV-9108-0 | 1.0 | --- | P4 | C | 4900 | 6AG11† | 6.3 | B3-8709-0 | 1.0 | --- | C | 2900 | |
| {5R4 | 5.0 | JS-0600-0 | 0.0 | 83 | P3 | G | Plate No. 1 | 6AG11 | 6.3 | B3-5604-0 | 1.0 | --- | C | 4900 | |
| {5R4 | 5.0 | JS-0400-0 | 0.0 | 80 | P3 | G | Plate No. 2 | 6AG11 | 6.3 | B3-0W0X-0 | 0.0 | 0 | P1 | G | Diode No. 1 |
| {5T8 | 5.0 | EV-8907-6 | 1.3 | --- | P4 | E | 750 | 6AG11 | 6.3 | B3-0302-0 | 0.0 | 0 | P1 | G | Diode No. 2 |
| {5T8 | 5.0 | EV-0607-1 | 0.0 | 0 | P1 | G | Triode Sect. | 6AH9† | 6.3 | B3-5X87-9 | 1.2 | --- | C | 7500 | |
| {5T8 | 5.0 | EV-0203-7 | 0.0 | 0 | P1 | G | Diode No. 1 | 6AH9 | 6.3 | B3-2304-0 | 4.3 | --- | C | 1550 | |
| {5T8 | 5.0 | EV-0107-8 | 0.0 | 0 | P1 | G | Diode No. 2 | 6AK5 | 6.3 | ET-1562-0 | 1.8 | --- | C | 3150 | |
| {5U4 | 5.0 | JS-0600-0 | 0.0 | 87 | P3 | G | Plate No. 1 | 6AK6 | 6.3 | ET-1567-2 | 3.0 | --- | C | 1320 | |
| {5U4 | 5.0 | JS-0400-0 | 0.0 | 84 | P3 | G | Plate No. 2 | 6AK9† | 6.3 | ET-1567-0 | 7.5 | --- | C | 4400 | |
| {5U8 | 5.0 | EV-2637-0 | 0.8 | --- | P4 | D | 2400 | 6AK9 | 6.3 | B3-WX07-0 | 1.8 | --- | C | 1650 | |
| {5U8 | 5.0 | EV-9108-0 | 1.0 | --- | P4 | C | 5350 | 6AK9 | 6.3 | B3-3207-0 | 3.2 | --- | C | 1300 | |
| {5U9† | 6.3 | FW-3782-4 | 1.5 | --- | P4 | C | 4400 | | | | | | | | |
| {5U9 | 6.3 | FW-W901-0 | 4.5 | --- | P4 | C | 3150 | | | | | | | | |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS | |
|-----------------------------------|-----|-----------|------------|-------|-------|-----------------|-----------|--|----------------------------------|-----------|------------|-------|-------|-----------------|-----------|--|
| {6AK10† | 6.3 | B3-9W04-0 | 2.0 | --- | P4 | D | 2900 | Triode No. 1 | 6.3 | B3-8709-0 | 1.3 | --- | P4 | D | 1100 | Triode No. 1 |
| {6AK10 | 6.3 | B3-7506-0 | 2.0 | --- | P4 | D | 2900 | Triode No. 2 | 6.3 | B3-5604-0 | 1.3 | --- | P4 | D | 1100 | Triode No. 2 |
| {6AK10 | 6.3 | B3-X203-0 | 2.0 | --- | P4 | D | 2900 | Triode No. 3 | 6.3 | B3-0W0X-0 | 0.0 | 0 | P1 | G | ★ | Diode No. 1 |
| {6AL3 | 6.3 | EV-0009-0 | 0.0 | 89 | P3 | G | ★ | Reverse Meter. CAP=P | 6.3 | B3-0302-0 | 0.0 | 0 | P1 | G | ★ | Diode No. 2 |
| {6AL5 | 6.3 | ET-0701-6 | 0.0 | 0 | P1 | G | ★ | Diode No. 1 | 6.3 | EV-6123-0 | 1.0 | --- | P4 | C | 3800 | Pent. Sect. Discard Near Finish in Start Trading |
| {6AL5 | 6.3 | ET-0205-6 | 0.0 | 0 | P1 | G | ★ | Diode No. 2 | 6.3 | EV-9807-0 | 4.4 | --- | P4 | D | 2100 | Triode Sect. |
| {6AL9† | 6.3 | B3-X2W9-4 | 0.5 | --- | P4 | B | 8200 | Pent. Sect. | 6.3 | B3-5607-0 | 3.0 | --- | P4 | D | 1600 | Triode No. 1 |
| {6AL9 | 6.3 | B3-5706-0 | 1.4 | --- | P4 | C | 4000 | Triode Sect. | 6.3 | B3-3402-0 | 3.0 | --- | P4 | D | 1600 | Triode No. 2 |
| {6AL11† | 6.3 | B3-8XW9-0 | 2.4 | --- | P4 | C | 4400 | Pent. No. 1 | 6.3 | B3-0W09-0 | 0.0 | 0 | P1 | G | ★ | Diode No. 1 |
| {6AL11 | 6.3 | B3-3672-4 | 3.4 | --- | P4 | E | 360 | Pent. No. 2 | 6.3 | B3-0809-0 | 0.0 | 0 | P1 | G | ★ | Diode No. 2 |
| {6AM8 | 6.3 | EV-2631-9 | 0.4 | --- | P4 | C | 3650 | Pent. Sect. | 6.3 | EV-0209-0 | 0.0 | 86 | P3 | G | ★ | Use Adapter SA-4, 1050-144, Note 7 |
| {6AM8 | 6.3 | EV-0807-0 | 0.0 | 0 | P1 | G | ★ | Diode Sect. | Model 539C: No Adapter Required. | | | | | | | |
| {6AN4 | 6.3 | ET-2105-0 | 0.7 | --- | P4 | C | 5650 | | 6.3 | DW-1578-0 | 3.0 | --- | P4 | D | 1350 | |
| {6AN5 | 6.3 | ET-1567-0 | 0.5 | --- | --- | C | 5000 | Hold Down P1 and Press P4 | 6.3 | ET-1567-2 | 1.0 | --- | P4 | D | 2070 | Ampl. Sect. Hold down P1 and Press P4 |
| {6AN8 | 6.3 | EV-8679-1 | 0.8 | --- | P4 | C | 3900 | Pent. Sect. | 6.3 | EV-7913-2 | 0.0 | --- | --- | D | 1070 | Osc. Sect. |
| {6AN8 | 6.3 | EV-2173-6 | 4.6 | --- | P4 | D | 2100 | Triode Sect. | 6.3 | EV-2103-7 | 0.0 | --- | P4 | C | 5000 | |
| {6AQ5 | 6.3 | ET-1562-0 | 2.1 | --- | P4 | D | 2600 | | 6.3 | EV-7986-0 | 1.5 | --- | P4 | C | 4400 | Pent. Sect. |
| {6AR11† | 6.3 | B3-W89X-7 | 0.6 | --- | P4 | C | 5600 | Pent. No. 1 | 6.3 | EV-2301-0 | 5.6 | --- | P4 | D | 1700 | Triode Sect. |
| {6AR11 | 6.3 | B3-5236-4 | 0.6 | --- | P4 | C | 5600 | Pent. No. 2 | 6.3 | B3-4638-7 | 1.0 | --- | P4 | D | 500 | Pent. No. 1 |
| {6AS6 | 6.3 | ET-1562-7 | 1.8 | --- | P4 | D | 1400 | | 6.3 | B3-4238-5 | 4.0 | --- | P4 | D | 500 | Pent. No. 2 |
| {6AS7 | 6.3 | HY-0506-4 | 0.0 | 83 | P3 | G | ★ | Triode No. 1 Emission Test. Make No Gas Test | 6.3 | B3-9X0W-0 | 1.8 | --- | P4 | C | 6300 | Triode Sect. |
| {6AS7 | 6.3 | HY-0203-1 | 0.0 | 83 | P3 | G | ★ | Triode No. 2 Emission Test. Make No Gas Test | 6.3 | EV-2106-0 | 1.8 | --- | P4 | C | 3100 | |
| {6AS8 | 6.3 | EV-2913-7 | 1.0 | --- | P4 | C | 3900 | Pent. Sect. | 6.3 | ET-1562-0 | 0.6 | --- | P4 | C | 3100 | |
| {6AS8 | 6.3 | EV-0608-7 | 0.0 | 0 | P1 | G | ★ | Diode Sect. | 6.3 | EV-0809-0 | 0.0 | 0 | P1 | G | ★ | Diode No. 1 |
| {6AS11† | 6.3 | B3-X2W9-0 | 1.8 | --- | P4 | C | 4700 | Pent. Sect. | 6.3 | EV-0607-0 | 0.0 | 0 | P1 | G | ★ | Diode No. 2 |
| {6AS11 | 6.3 | B3-6805-0 | 0.6 | --- | P4 | D | 2700 | Triode No. 1 | 6.3 | EV-0201-0 | 2.4 | --- | P4 | C | 3900 | Triode No. 2 |
| {6AS11 | 6.3 | B3-3407-0 | 1.4 | --- | P4 | D | 2700 | Triode No. 2 | 6.3 | EV-7608-9 | 2.4 | --- | P4 | C | 3900 | Triode No. 2 |
| {6AT6 | 6.3 | ET-1702-0 | 1.5 | --- | P4 | E | 820 | Triode Sect. | 6.3 | EV-2103-9 | 2.4 | --- | P4 | C | 4000 | Pent. Sect. |
| {6AT6 | 6.3 | ET-1602-0 | 0.0 | --- | P1 | D | ★ | Diode No. 1 | 6.3 | B3-X2W9-0 | 1.8 | --- | P4 | C | 3500 | Triode No. 1 |
| {6AT6 | 6.3 | ET-1502-0 | 0.0 | --- | P1 | D | ★ | Diode No. 2 | 6.3 | B3-6805-0 | 1.0 | --- | P4 | C | 3500 | Triode No. 1 |
| {6AT8 | 6.3 | EV-9673-8 | 1.2 | --- | P4 | C | 2900 | Pent. Sect. | 6.3 | B3-3407-0 | 0.8 | --- | P4 | D | 3000 | Triode No. 2 |
| {6AT8 | 6.3 | EV-1203-8 | 2.0 | --- | P4 | C | 3650 | Triode Sect. | 6.3 | B3-0W07-0 | 0.0 | 91 | P3 | G | ★ | |
| {6AU4 | 6.3 | HY-0503-0 | 0.0 | 91 | P3 | G | ★ | | 6.3 | ET-7562-1 | 0.0 | --- | --- | D | 940 | Ampl. Sect. Hold down P1 and Press P4 |
| {6AU5 | 6.3 | HS-1533-0 | 4.0 | --- | --- | C | 3500 | Hold Down P1 and Press P4 | 6.3 | ET-1602-7 | 2.0 | --- | P4 | C | 4500 | Osc. Sect. |
| {6AU6 | 6.3 | ET-1567-2 | 1.0 | --- | P4 | C | 2500 | | 6.3 | EV-7163-9 | 6.0 | --- | P4 | E | 630 | |
| {6AU8 | 6.3 | EV-7936-0 | 1.0 | --- | P4 | C | 4400 | Pent. Sect. | 6.3 | EV-9678-3 | 0.8 | --- | P4 | D | 2400 | Pent. Sect. |
| {6AU8 | 6.3 | EV-2301-0 | 1.5 | --- | P4 | C | 3100 | Triode Sect. | 6.3 | EV-1203-0 | 1.0 | --- | P4 | C | 5350 | Triode Sect. |
| {6AV6 | 6.3 | ET-1702-5 | 1.3 | --- | P4 | E | 800 | Triode Sect. | 6.3 | B3-8XW9-0 | 6.0 | --- | P4 | C | 4700 | Pent. No. 1 |
| {6AV6 | 6.3 | ET-1602-5 | 0.0 | --- | P1 | D | ★ | Diode No. 1 | 6.3 | B3-3752-5 | 1.8 | --- | P4 | E | 400 | Pent. No. 2 |
| {6AV6 | 6.3 | ET-1502-7 | 0.0 | --- | P1 | D | ★ | Diode No. 2 | 6.3 | EV-0209-0 | 0.0 | 87 | P3 | G | ★ | Use Adapter SA-4, 1050-144, Note 7 |
| {6AV11† | 6.3 | B3-9W04-0 | 3.0 | --- | P4 | D | 1600 | Triode No. 1 | Model 539C: No Adapter Required. | | | | | | | |
| {6AV11 | 6.3 | B3-7506-0 | 3.0 | --- | P4 | E | 1600 | Triode No. 2 | 6.3 | ET-1562-7 | 0.8 | --- | P4 | C | 2150 | |
| {6AV11 | 6.3 | B3-X203-0 | 3.0 | --- | P4 | E | 1600 | Triode No. 3 | 6.3 | EV-7986-0 | 0.5 | --- | --- | C | 3150 | Pent. Sect. Hold down P1 and Press P4 |
| {6AW8 | 6.3 | EV-7986-3 | 2.0 | --- | P4 | C | 4700 | Pent. Sect. | 6.3 | EV-2301-0 | 4.8 | --- | P4 | D | 2100 | Triode Sect. |
| {6AW8 | 6.3 | EV-2301-9 | 1.3 | --- | P4 | C | 2500 | Triode Sect. | 6.3 | B3-8W9X-0 | 0.6 | --- | P4 | C | 3800 | Pent. Sect. |
| {6AX3† | 6.3 | B3-0407-0 | 0.0 | 89 | P3 | G | ★ | | 6.3 | B3-6705-0 | 1.0 | --- | P4 | C | 5700 | Triode No. 1 |
| {6AX4 | 6.3 | HY-0503-0 | 0.0 | 89 | P3 | G | ★ | | 6.3 | B3-4302-0 | 1.0 | --- | P4 | C | 5700 | Triode No. 2 |
| {6AX5 | 6.3 | HS-0508-3 | 0.0 | 87 | P3 | G | ★ | | 6.3 | B3-0W07-0 | 0.0 | 90 | P3 | G | ★ | |
| {6AX5 | 6.3 | HS-0308-5 | 0.0 | 87 | P3 | G | ★ | | 6.3 | EV-0809-3 | 0.0 | 0 | P1 | G | ★ | |
| {6AY3† | 6.3 | EV-0209-0 | 0.0 | 87 | P3 | G | ★ | | 6.3 | EV-0607-3 | 0.0 | 0 | P1 | G | ★ | |
| {Model 539C: No Adapter Required. | | | | | | | | | 6.3 | EV-0201-3 | 0.0 | 0 | P1 | G | ★ | |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS |
|-----------|-----|-----------|------------|-------------|-----------------|-----------|---|-------------|----------------------------|------------|-------------|-----------------|-----------|
| {6BJ8 | 6.3 | EV-8709-0 | 4.5 | --- | D | 1750 | Triode Sect. | 6BZ6 | 6.3 | ET-1562-7 | --- | C | 3850 |
| {6BJ8 | 6.3 | EV-0603-0 | 0.0 | 0 | G | ★ | Diode No. 1 | {6BZ7 | 6.3 | EV-7608-9 | P4 | C | 4300 |
| {6BJ8 | 6.3 | EV-0102-0 | 0.0 | 0 | G | ★ | Diode No. 2 | {6BZ7 | 6.3 | EV-2103-9 | P4 | C | 4300 |
| {6BK4 | 6.3 | HS-0501-0 | 0.0 | --- | E | ★ | Cap = G | 6C4 | 6.3 | ET-6107-0 | P4 | E | 1380 |
| {6BK7 | 6.3 | EV-7608-9 | 1.2 | --- | C | 5350 | Triode No. 1 | {6C9† | 6.3 | EV-7986-0 | P4 | D | 2900 |
| {6BK7 | 6.3 | EV-2103-9 | 1.2 | --- | C | 5350 | Triode No. 2 | {6C9† | 6.3 | EV-132W-0 | P4 | D | 2900 |
| {6BK11† | 6.3 | B3-9W04-0 | 2.6 | --- | C | 450 | Triode No. 1 | {6C10† | 6.3 | B3-9W04-0 | P4 | D | 875 |
| {6BK11 | 6.3 | B3-7506-0 | 2.2 | --- | E | 350 | Triode No. 2 | {6C10 | 6.3 | B3-7506-0 | P4 | D | 875 |
| {6BK11 | 6.3 | B3-X203-0 | 2.2 | --- | E | 350 | Triode No. 3 | {6C10 | 6.3 | B3-X203-0 | P4 | D | 875 |
| {6BL7 | 6.3 | HY-4506-0 | 3.5 | --- | C | 4400 | Triode No. 1 | {6CA4 | 6.3 | EV-0703-0 | P3 | G | ★ |
| {6BL7 | 6.3 | HY-1203-0 | 3.5 | --- | C | 4400 | Triode No. 2 | {6CA4 | 6.3 | EV-0103-0 | P3 | G | ★ |
| {6BL8 | 6.3 | EV-2637-1 | 1.2 | --- | C | 3000 | Pent. Sect. | 6CA5 | 6.3 | DU-2761-0 | --- | C | 5300 |
| {6BL8 | 6.3 | EV-9108-6 | 4.8 | --- | C | 3000 | Triode Sect. | 6CA7 | 6.3 | HS-5348-1 | P4 | C | 3800 |
| {6BM8 | 6.3 | EV-3672-0 | 7.4 | --- | D | 2700 | Pent. Sect. | {6CA11† | 6.3 | B3-8XW9-7 | P4 | C | 5800 |
| {6BM8 | 6.3 | EV-1908-0 | 0.6 | --- | E | 1350 | Triode Sect. | {6CA11 | 6.3 | B3-6405-0 | P4 | D | 2000 |
| 6BN4 | 6.3 | ET-2501-0 | 1.9 | --- | C | 4300 | Triode Sect. | {6CA11 | 6.3 | B3-3207-0 | P4 | D | 2500 |
| 6BN4A | 6.3 | ET-2501-0 | 2.4 | --- | C | 5000 | Triode Sect. | 6CB5 | 6.3 | HS-4013-0 | P4 | C | 4100 |
| {6BN6 | 6.3 | ET-2751-6 | 0.0 | --- | E | 250 | Leather Grid Press Valve - Low Quadrature Grid Plate Valve - Low | 6CB6 | 6.3 | ET-1562-7 | P4 | C | 3900 |
| {6BN6 | 6.3 | ET-6751-2 | 0.4 | --- | D | 570 | Triode Sect. | 6CD3† | 6.3 | B3-0W07-0 | P3 | G | ★ |
| {6BN8 | 6.3 | EV-8709-0 | 1.8 | --- | P4 | 1600 | Triode Sect. | 6CD6 | 6.3 | HS-5083-0 | P3 | G | ★ |
| {6BN8 | 6.3 | EV-0603-0 | 0.0 | 0 | D | ★ | Diode No. 1 | 6CE3† | 6.3 | B3-0407-0 | P3 | G | ★ |
| {6BN8 | 6.3 | EV-0102-0 | 0.0 | 0 | D | ★ | Diode No. 2 | 6CE5 | 6.3 | ET-1562-0 | P4 | C | 3900 |
| {6BN11† | 6.3 | B3-7X98-W | 1.0 | --- | C | 4100 | Pent. No. 1 | 6CG3† | 6.3 | B3-0407-0 | P3 | G | ★ |
| {6BN11 | 6.3 | B3-3542-6 | 1.0 | --- | C | 4100 | Pent. No. 2 | {6UG7 | 6.3 | B3-0407-0 | P3 | G | ★ |
| 6BQ5 | 6.3 | EV-2793-0 | 1.0 | --- | C | 5650 | Pent. No. 2 | {6CG7 | 6.3 | EV-7608-9 | P4 | D | 1640 |
| 6BQ6 | 6.3 | HS-5048-0 | 12.0 | --- | C | 3500 | Cap = P | {6CG8 | 6.3 | EV-2103-9 | P4 | D | 1640 |
| {6BQ7A | 6.3 | EV-7508-9 | 2.0 | --- | C | 4000 | Triode No. 1 | {6CG8 | 6.3 | EV-9678-0 | P4 | D | 1640 |
| {6BQ7A | 6.3 | EV-2103-9 | 2.0 | --- | C | 4000 | Triode No. 2 | {6CH3† | 6.3 | EV-1203-0 | P4 | C | 2900 |
| {6BR8 | 6.3 | EV-9678-0 | 0.8 | --- | D | 2400 | Pent. Sect. | {6CJ3† | 6.3 | EV-0209-0 | P4 | C | 3650 |
| {6BR8 | 6.3 | EV-1203-0 | 1.0 | --- | C | 5350 | Triode Sect. | {Model 539C | 539C: No Adapter Required. | P3 | G | ★ | |
| {6BS3† | 6.3 | EV-0209-0 | 0.0 | 85 | G | ★ | Use Adapter SA-4, 1050-144, Note 7 | {Model 539C | 539C: No Adapter Required. | P3 | G | ★ | |
| {6BU8 | 6.3 | EV-7821-9 | 0.0 | --- | D | 630 | Pent. No. 1, Hold Down P1 and press P4 | {Model 539C | 539C: No Adapter Required. | P3 | G | ★ | |
| {6BU8 | 6.3 | EV-7321-6 | 0.0 | --- | D | 630 | Pent. No. 2, Hold Down P1 and press P4 | {Model 539C | 539C: No Adapter Required. | P3 | G | ★ | |
| {6BV11† | 6.3 | B3-7W98-X | 2.0 | --- | D | 1600 | Pent. No. 1 | 6CL5 | 6.3 | HS-4013-0 | P4 | C | 3250 |
| {6BV11 | 6.3 | B3-6345-2 | 2.0 | --- | D | 1600 | Pent. No. 2 | 6CL6 | 6.3 | EV-2631-7 | P4 | C | 5000 |
| 6BW3† | 6.3 | B3-0407-0 | 0.0 | 87 | G | ★ | Pent. Sect. | {6CL8 | 6.3 | EV-9678-0 | P4 | D | 2500 |
| {6BW8 | 6.3 | EV-6987-0 | 0.8 | --- | D | 2400 | Pent. Sect. | {6CL8 | 6.3 | EV-1203-0 | P4 | D | 2500 |
| {6BW8 | 6.3 | EV-0302-0 | 0.0 | 0 | D | ★ | Diode No. 1 | {6CM3† | 6.3 | EV-0279-0 | P3 | G | ★ |
| {6BW8 | 6.3 | EV-0102-0 | 0.0 | 0 | D | ★ | Diode No. 2 | {Model 539C | 539C: No Adapter Required. | P3 | G | ★ | |
| {6BW11† | 6.3 | B3-X89W-7 | 1.0 | --- | C | 4900 | Pentode No. 1 | 6CM6 | 6.3 | EV-3917-0 | P4 | D | 2600 |
| {6BW11 | 6.3 | B3-3542-6 | 0.6 | --- | C | 6950 | Pentode No. 2 | {6CM7 | 6.3 | EV-7603-0 | P4 | D | 1260 |
| {6BY6 | 6.3 | ET-1562-7 | 1.0 | --- | D | 1200 | Grid No. 1 | {6CM7 | 6.3 | EV-8109-0 | P4 | D | 2800 |
| {6BY6 | 6.3 | ET-7562-1 | 1.4 | --- | E | 500 | Grid No. 2 | {6CN7 | 6.3 | EV-7806-0 | P4 | E | 750 |
| {6BY8 | 6.3 | EV-1789-2 | 1.0 | --- | C | 2500 | Pent. Sect. | {6CN7 | 6.3 | EV-0203-0 | P1 | G | ★ |
| {6BY8 | 6.3 | EV-0603-0 | 0.0 | 0 | D | ★ | Pent. Sect. | {6CN7 | 6.3 | EV-0103-0 | P1 | G | ★ |
| {6BY11† | 6.3 | B3-8XW9-0 | 13.0 | --- | D | 3000 | Diode Sect. | 6CQ4 | 6.3 | HY-0503-0 | P3 | G | ★ |
| {6BY11 | 6.3 | B3-3762-5 | 2.2 | --- | D | 700 | Pent. No. 1 | {6CQ8 | 6.3 | EV-2637-0 | P4 | D | 2800 |
| 6BZ3† | 6.3 | B3-0W07-0 | 0.0 | 17 | G | ★ | Pent. No. 2 | {6CQ8 | 6.3 | EV-9108-0 | P4 | D | 4400 |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS | |
|-----------------------------------|-----|-----------|------------|-------------|-----------------|---|-----------------------------------|-----|-----------|------------|-------------|-----------------|-----------|---|
| {6CS6 | 6.3 | ET-1562-7 | 0.0 | --- | D | Grid No. 1 Plate Volts=Low | {6DS4† | 6.3 | DR-4208-0 | 0.4 | --- | C | 4700 | Plate Volts=Low |
| {6CS6 | 6.3 | ET-7562-1 | 0.0 | --- | D | Grid No. 3 Triode No. 1 | {Model 539C: | 6.3 | 13-4208-0 | 0.4 | --- | C | 4700 | Plate Volts=Low |
| {6CS7 | 6.3 | EV-7608-0 | 3.7 | --- | D | Triode No. 1 | 6DS4 | 6.3 | ET-1562-0 | 2.0 | --- | C | 3800 | |
| {6CS7 | 6.3 | EV-3109-0 | 5.3 | --- | D | Triode No. 2 | 6DS5 | 6.3 | B3-0407-0 | 0.0 | 91 | G | ★ | |
| {6CT3 | 6.3 | EV-0209-0 | 0.0 | 90 | C | | 6DT3† | 6.3 | B3-0407-0 | 0.0 | 91 | G | ★ | |
| 6CU5 | 6.3 | ET-2761-0 | 1.0 | --- | C | Hold down P1 and Press P4 | 6DT4 | 6.3 | HY-0503-0 | 0.0 | 83 | G | ★ | |
| {6CU8 | 6.3 | EV-7236-1 | 0.8 | --- | C | Pent. Sect. | 6DT5 | 6.3 | EV-3917-0 | 4.4 | --- | C | 3450 | |
| {6CU8 | 6.3 | EV-8901-0 | 4.6 | --- | D | Triode Sect. | {6DT6 | 6.3 | ET-1562-7 | 3.4 | --- | E | 380 | |
| {6CW4† | 6.3 | DR-4208-0 | 0.5 | --- | C | Plate Volts=Low SA-3, 1050-127, Note 7 | {6DT6 | 6.3 | ET-7562-1 | 1.8 | --- | E | 315 | Grid No. 1 Grid No. 1, Hold down P1 and Press P4 |
| {Model 539C: | | | | | | | {6DT8 | 6.3 | EV-7608-9 | 1.6 | --- | D | 2500 | Triode No. 1 |
| {6CW4 | 6.3 | 13-4208-0 | 0.5 | --- | C | Plate Volts=Low | {6DU3† | 6.3 | EV-2103-9 | 1.6 | --- | D | 2500 | Triode No. 2 |
| 6CW5 | 6.3 | EV-2793-0 | 4.0 | --- | C | | 6DU3† | 6.3 | B3-0407-0 | 0.0 | 90 | D | ★ | |
| {6CX8 | 6.3 | EV-7986-0 | 2.0 | --- | C | Pent. Sect. | 6DV4† | 6.3 | B3-0407-0 | 0.0 | 90 | D | ★ | |
| {6CX8 | 6.3 | EV-2301-0 | 1.2 | --- | D | Triode Sect. | {6DW4† | 6.3 | 13-6207-0 | 0.8 | --- | C | 7000 | Plate Volts=Low |
| 6CY5 | 6.3 | ET-1562-0 | 1.0 | --- | C | Plate Volts=Low | {Model 539C: No Adapter Required. | 6.3 | EV-0209-0 | 0.0 | 82 | G | ★ | |
| {6CY7 | 6.3 | EV-7608-0 | 1.5 | --- | D | Triode No. 1 | {6DX3 | 6.3 | EV-2697-0 | 0.6 | --- | C | 6900 | Pent. Sect. |
| {6CY7 | 6.3 | EV-2109-0 | 20.0 | --- | C | Triode No. 2 | {6DX8 | 6.3 | EV-1203-0 | 1.0 | --- | D | 2800 | Triode Sect. |
| 6CZ5 | 6.3 | EV-3917-0 | 1.0 | --- | D | Triode No. 2 | 6DZ4 | 6.3 | ET-2105-0 | 0.8 | --- | C | 5000 | Plate Volts=Low |
| {6D10† | 6.3 | B3-9W04-0 | 1.4 | --- | D | Triode No. 1 | {6DZ8 | 6.3 | EV-3672-0 | 6.8 | --- | C | 3400 | Pent. Sect. |
| 6D10 | 6.3 | B3-7506-0 | 1.4 | --- | D | Triode No. 2 | {6DZ8 | 6.3 | EV-1908-0 | 2.6 | --- | E | 450 | Triode Sect. |
| {6D10 | 6.3 | B3-X203-0 | 1.4 | --- | D | Triode No. 3 | 6EA4† | 6.3 | B3-0605-0 | 0.0 | --- | E | ★ | Cap=G |
| 6DA4 | 6.3 | HY-0503-0 | 0.0 | 86 | G | | 6EA5 | 6.3 | ET-1562-0 | 1.2 | --- | C | 3500 | |
| {6DA5 | 6.3 | EV-1902-0 | Vary 100 | 100 | G | Connect a 1 megohm resistor from Plate jack to octal test socket pin No. 7. | 6EA7 | 6.3 | JX-4506-0 | 0.5 | --- | E | 1100 | Triode No. 1 |
| {Vary Bias to Vary beam angle. | | | | | | | 6EA7 | 6.3 | JX-1203-0 | 21.0 | --- | E | 4100 | Triode No. 2 |
| 6DB5 | 6.3 | EV-3912-0 | 1.5 | --- | C | | 6EA8 | 6.3 | EV-2637-0 | 0.8 | --- | D | 3100 | Pent. Sect. |
| 6DC6 | 6.3 | ET-1562-7 | 1.2 | --- | D | Hold down P1 and Press P4 | 6EA8 | 6.3 | EV-9108-0 | 1.4 | --- | C | 5250 | Triode Sect. |
| 6DE4 | 6.3 | HY-0503-0 | 0.0 | 87 | G | | 6EB5 | 6.3 | ET-0205-6 | 0.0 | 45 | G | ★ | Diode No. 1 |
| 6DE6 | 6.3 | ET-1562-7 | 1.0 | --- | C | | 6EB5 | 6.3 | ET-0701-6 | 0.0 | 45 | G | ★ | Diode No. 2 |
| {6DE7 | 6.3 | EV-7608-0 | 5.0 | --- | E | Triode No. 1 | 6EB8 | 6.3 | EV-7986-0 | 0.8 | --- | C | 5000 | Pent. Sect. |
| {6DE7 | 6.3 | EV-2109-0 | 19.0 | --- | C | Triode No. 2 | 6EB8 | 6.3 | EV-2301-0 | 0.6 | --- | E | 1400 | Triode Sect. |
| 6DG6 | 6.3 | HS-5348-0 | 1.0 | --- | C | Hold Down P1 and Press P4 | 6EF4† | 6.3 | B3-0605-9 | 0.0 | --- | E | ★ | Cap=G |
| {6DJ8 | 6.3 | EV-7608-0 | 3.0 | --- | C | Triode No. 1 | 6EH4† | 6.3 | B3-0605-0 | 0.0 | --- | E | ★ | Cap=G |
| {6DJ8 | 6.3 | EV-2103-0 | 3.0 | --- | C | Triode No. 2 | 6EH5 | 6.3 | ET-2761-0 | 1.2 | --- | C | 6300 | |
| 6DK3 | 6.3 | EV-0002-0 | 0.0 | 90 | C | Cap-P, Reverse Meter | 6EH7 | 6.3 | EV-2781-9 | 2.8 | --- | C | 3200 | |
| 6DK6 | 6.3 | ET-1562-7 | 1.0 | --- | P3 | | 6EH8 | 6.3 | EV-7986-0 | 1.0 | --- | C | 2700 | Pent. Sect. |
| {6DL3† | 6.3 | EV-0002-0 | 0.0 | 90 | C | Cap-P, Reverse Meter Shunt on D, Use Adapter SA-4, 1050-144, Note 7. | {6EH8 | 6.3 | EV-2301-0 | 1.6 | --- | D | 4700 | Triode Sect. |
| {Model 539C: No Adapter Required. | | | | | | | 6EJ4† | 6.3 | B3-0605-0 | 0.0 | --- | E | ★ | Cap=G |
| 6DM4 | 6.3 | HY-0503-0 | 0.0 | 87 | G | | 6EJ7 | 6.3 | EV-2781-9 | 1.2 | --- | C | 4900 | |
| {6DN3† | 6.3 | EV-0209-0 | 0.0 | 91 | G | Use Adapter SA-4, 1050-144, Note 7. | 6EL4 | 6.3 | HS-0501-0 | 0.0 | --- | E | ★ | Cap=G |
| {Model 539C: No Adapter Required. | | | | | | | 6EM5 | 6.3 | EV-3917-0 | 3.7 | --- | D | 3200 | |
| 6DN7 | 6.3 | HY-4506-0 | 3.6 | --- | E | Triode No. 1 | {6EM7 | 6.3 | HY-4506-0 | 1.6 | --- | D | 1000 | Triode No. 1 |
| {6DN7 | 6.3 | HY-1203-0 | 3.0 | --- | C | Triode No. 2 | 6EM7 | 6.3 | HY-1203-0 | 17.0 | --- | D | 6000 | Triode No. 2 |
| 6DQ3† | 6.3 | B3-0407-0 | 0.0 | 90 | C | | 6EN4 | 6.3 | HS-0501-0 | 0.0 | --- | E | ★ | Cap=G |
| 6DQ4 | 6.3 | JX-0503-0 | 0.0 | 80 | G | | {6EQ7 | 6.3 | EV-2763-1 | 2.6 | --- | E | 850 | Pent. Sect. |
| 6DQ5 | 6.3 | HS-1043-0 | 26.0 | --- | D | | {6EO7 | 6.3 | EV-0803-0 | 0.0 | --- | D | ★ | Diode Sect. |
| 6DQ6 | 6.3 | HS-5048-0 | 0.0 | --- | C | Cap=P | 6ER5 | 6.3 | ET-2567-0 | 0.8 | --- | C | 6600 | |
| 6DR4 | 6.3 | ET-6507-0 | 1.3 | --- | P4 | Cap=P Plate Volts=Low | 6ES5 | 6.3 | ET-2501-0 | 1.0 | --- | C | 4500 | |
| {6DR7 | 6.3 | EV-7608-0 | 1.3 | --- | D | Triode No. 1 | {6ES8 | 6.3 | EV-7608-0 | 2.4 | --- | C | 7500 | Triode No. 1 |
| {6DR7 | 6.3 | EV-2103-0 | 18.0 | --- | C | Triode No. 2 | | 6.3 | EV-2103-0 | 2.4 | --- | C | 7500 | Triode No. 2 |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS | |
|-----------|-----|-----------|------------|-------------|-----------------|-------------------------|------------|----------------------|-----------|------------|-------------|-----------------|-----------|--|
| {6E17 | 6.3 | EV-7986-0 | 2.0 | P4 | C | Pent. Sect. | {6FY7† | 6.3 | B3-WX09-0 | 1.7 | P4 | D | 1050 | Triode No. 1 |
| {6E17 | 6.3 | EV-0301-0 | 0.0 | P1 | D | Diode No. 1 | {6FY7 | 6.3 | B3-3507-0 | 12.5 | P4 | C | 6900 | Triode No. 2 |
| {6E17 | 6.3 | EV-0201-0 | 0.0 | P4 | D | Diode No. 2 | {6FY8 | 6.3 | EV-3672-0 | 10.0 | P4 | C | 3400 | Pent. Sect. |
| {6E17 | 6.3 | BS-8709-0 | 1.3 | P4 | D | Triode No. 1 | {6FY8 | 6.3 | EV-1908-0 | 3.0 | P4 | C | 940 | Triode Sect. |
| {6E17 | 6.3 | BS-5604-0 | 1.3 | P4 | D | Triode No. 2 | {6G11† | 6.3 | B3-8XW9-0 | 1.8 | P4 | D | 2700 | Pentode No. 1 |
| {6E17 | 6.3 | EV-7198-0 | 0.8 | P4 | D | Pent. Sect. | {6G11 | 6.3 | B3-3672-4 | 3.0 | P4 | D | 300 | Pentode No. 2 |
| {6E17 | 6.3 | EV-2306-0 | 1.4 | P4 | C | Triode Sect. | {6GA7† | 6.3 | B3-4735-0 | 12.0 | P4 | D | 2600 | Pent. Sect. |
| {6E17 | 6.3 | ET-1562-0 | 1.2 | P4 | C | Triode No. 1 | {6GA7 | 6.3 | B3-0X08-0 | 0.0 | P3 | G | ★ | Diode Sect. |
| {6E17 | 6.3 | EV-7608-0 | 1.0 | P4 | C | Triode No. 2 | 6GB5 | 6.3 | EV-2078-0 | 16.0 | P4 | C | 5000 | Cap=P, Use Adapter SA-3, 1050-168 |
| {6E17 | 6.3 | EV-2103-0 | 1.0 | P4 | C | Triode No. 2 | 6GC5 | 6.3 | EV-6917-0 | 1.5 | --- | C | 5500 | Hold down P1 and Press P4 |
| {6E17 | 6.3 | ET-1562-7 | 0.6 | P4 | C | Triode No. 1 | 6GE5† | 6.3 | B3-X72W-0 | 15.0 | P4 | C | 3500 | Pent. Sect. |
| {6E17 | 6.3 | EV-7603-0 | 5.4 | P4 | E | Triode No. 1 | {6GE8 | 6.3 | EV-8917-0 | 1.4 | P4 | D | 1700 | Triode Sect. |
| {6E17 | 6.3 | EV-2109-0 | 17.0 | P4 | C | Triode No. 2 | {6GES | 6.3 | EV-3602-0 | 20.0 | P4 | C | 3900 | Triode Sect. |
| {6E17 | 6.3 | HS-5083-0 | 18.0 | P4 | C | Cap=P | 6GF5† | 6.3 | B3-X72W-0 | 16.0 | P4 | D | 3200 | Triode Sect. |
| {6E17 | 6.3 | HS-5348-0 | 5.8 | P4 | D | Re-test using HS-5013-0 | {6GF7† | 6.3 | EV-9801-0 | 2.0 | P4 | E | 600 | Triode No. 1, Use Adapter SA-4, 1050-144, Note 7 |
| {6E17 | 6.3 | HS-5343-0 | 15.0 | P4 | E | Triode No. 1 | {6GF7 | 6.3 | EV-2603-0 | 16.0 | P4 | C | 5000 | Triode No. 2 |
| {6E17 | 6.3 | FU-9800-0 | 5.0 | P4 | D | Triode No. 2 | Model 539C | No Adapter Required. | | | | | | |
| {6E17 | 6.3 | FU-7600-0 | 5.0 | P4 | D | Triode No. 3 | {6GH8 | 6.3 | EV-2637-0 | 1.7 | P4 | D | 2500 | Pent. Sect. |
| {6E17 | 6.3 | FU-2301-0 | 1.4 | P4 | D | Tetrode No. 1 | {6GH8 | 6.3 | EV-9108-0 | 1.3 | P4 | C | 5300 | Triode Sect. |
| {6E17 | 6.3 | EV-7936-1 | 1.0 | P4 | E | Tetrode No. 2 | {6GU5† | 6.3 | EV-6073-0 | 5.3 | --- | C | 4400 | Cap=P, Hold Down P1 and Press P4, Use Adapter SA-4, 1050-144, Note 7 |
| {6E17 | 6.3 | EV-7186-9 | 1.0 | P4 | E | Diode Sect. | Model 539C | No Adapter Required. | | | | | | |
| {6E17 | 6.3 | EV-9306-1 | 0.0 | P1 | D | Make no gas test | {6GU7 | 6.3 | EV-2671-0 | 1.0 | P4 | C | 4900 | Pent. Sect. |
| {6E17 | 6.3 | ET-1657-2 | 0.8 | P1 | C | Triode No. 1 | {6GU7 | 6.3 | EV-9803-0 | 4.2 | P4 | P4 | 6100 | Triode Sect. |
| {6E17 | 6.3 | EV-7603-0 | 0.8 | P4 | E | Triode No. 2 | {6GU8 | 6.3 | EV-2637-0 | 1.0 | P4 | D | 3100 | Pent. Sect. |
| {6E17 | 6.3 | EV-2109-0 | 3.4 | P4 | C | Triode No. 2 | {6GU8 | 6.3 | EV-9108-0 | 1.0 | P4 | C | 5000 | Triode Sect. |
| {6E17 | 6.3 | HS-5348-0 | 10.0 | P4 | C | Triode No. 2 | 6GK5 | 6.3 | ET-2507-6 | 1.2 | P4 | C | 6500 | Triode Sect. |
| {6E17 | 6.3 | ET-1567-0 | 1.0 | P4 | E | Pent. Sect. | 6GK6 | 6.3 | EV-2781-3 | 1.0 | P4 | C | 6300 | Triode No. 1 |
| {6E17 | 6.3 | EV-9678-0 | 1.0 | P4 | D | Triode Sect. | {6GL7 | 6.3 | JX-4506-0 | 1.3 | P4 | D | 1250 | Triode No. 2 |
| {6E17 | 6.3 | EV-1203-0 | 1.4 | P4 | C | Triode Sect. | {6GL7 | 6.3 | JX-1203-0 | 15.0 | P4 | P4 | 7500 | Triode No. 2 |
| {6E17 | 6.3 | ET-2507-0 | 1.0 | P4 | C | Tetrode Plate No. 1 | 6GM5 | 6.3 | EV-6917-0 | 0.5 | P4 | C | 5500 | Triode No. 1 |
| {6E17 | 6.3 | FU-6970-0 | 6.6 | P4 | C | Tetrode Plate No. 2 | 6GM6 | 6.3 | ET-1562-7 | 1.0 | P4 | C | 6000 | Triode No. 2 |
| {6E17 | 6.3 | FU-6870-0 | 4.1 | P4 | E | Tetrode Plate No. 3 | {6GN8 | 6.3 | EV-7986-0 | 2.0 | P4 | C | 5100 | Pent. Sect. |
| {6E17 | 6.3 | FU-6170-0 | 7.1 | P4 | E | Triode Sect. | {6GN8 | 6.3 | EV-2301-0 | 1.6 | P4 | C | 800 | Triode Sect. |
| {6E17 | 6.3 | FU-2300-0 | 7.1 | P4 | C | Triode No. 1 | {6GO7 | 6.3 | EV-0802-0 | 0.0 | P1 | G | ★ | Diode No. 1 |
| {6E17 | 6.3 | B3-WX09-0 | 3.0 | P4 | C | Triode No. 2 | {6GO7 | 6.3 | EV-0607-0 | 0.0 | P1 | G | ★ | Diode No. 2 |
| {6E17 | 6.3 | B3-3507-0 | 3.4 | P4 | C | Triode No. 1 | {6GO7 | 6.3 | EV-0201-0 | 0.0 | P1 | G | ★ | Diode No. 3 |
| {6E17 | 6.3 | B3-WX09-0 | 2.6 | P4 | C | Triode No. 2 | {6GT5 | 6.3 | EV-6973-0 | 5.3 | --- | C | 4400 | Hold Down P1 and Press P4, Use Adapter SA-4, 1050-144, Note 7 |
| {6E17 | 6.3 | B3-8507-0 | 16.0 | P4 | C | Triode No. 2 | Model 539C | No Adapter Required. | | | | | | |
| {6E17 | 6.3 | EV-8907-0 | 1.3 | P4 | C | Triode Sect. | 6GU5 | 6.3 | ET-1562-0 | 0.4 | P4 | C | 8500 | Triode No. 1 |
| {6E17 | 6.3 | EV-0601-0 | 0.0 | P1 | G | Diode No. 1 | {6GU7 | 6.3 | EV-7608-0 | 5.2 | P4 | D | 1730 | Triode No. 2 |
| {6E17 | 6.3 | EV-0203-0 | 0.0 | P1 | G | Diode No. 2 | {6GU7 | 6.3 | EV-2103-0 | 5.2 | P4 | D | 1730 | Triode No. 2 |
| {6E17 | 6.3 | ET-2507-6 | 1.2 | P4 | C | Triode No. 1 | 6GV5† | 6.3 | B3-90XW-0 | 14.0 | P4 | C | 4400 | Cap=P |
| {6E17 | 6.3 | ET-2507-6 | 1.2 | P4 | C | Triode No. 2 | 6GW6 | 6.3 | HS-5048-0 | 0.0 | P4 | C | 5000 | Cap=P, Plate Volt=Low |
| {6E17 | 6.3 | EV-7608-0 | 3.7 | P4 | D | Triode No. 1 | {6GW8 | 6.3 | EV-8637-1 | 1.0 | P4 | C | 5500 | Triode Sect. |
| {6E17 | 6.3 | EV-2103-0 | 3.7 | P4 | D | Triode No. 2 | {6GW8 | 6.3 | EV-1902-0 | 0.7 | P4 | C | 5500 | Triode Sect. |
| {6E17 | 6.3 | ET-1567-2 | 2.0 | P4 | C | Pent. Sect. | 6GX6 | 6.3 | ET-1562-7 | 1.5 | P4 | E | 900 | Triode Sect. |
| {6E17 | 6.3 | EV-9678-0 | 1.0 | P4 | C | Triode Sect. | {6GX7 | 6.3 | EV-2671-0 | 1.0 | P4 | C | 4400 | Triode Sect. |
| {6E17 | 6.3 | EV-1203-0 | 1.6 | P4 | D | Triode Sect. | {6GX7 | 6.3 | EV-9801-0 | 1.4 | P4 | C | 4400 | Triode Sect. |
| {6E17 | 6.3 | HS-1583-0 | 14.0 | P4 | C | Triode Sect. | {6GY5† | 6.3 | B3-507W-0 | 17.0 | P4 | C | 5300 | Triode Sect. |
| | | | | | | | 6GY6 | 6.3 | ET-1562-7 | 1.6 | P4 | E | 1000 | Cap=P |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS | | |
|-----------------------------------|-----|-----------|------------|-------|-------|-----------------|-----------|---|----------------------------------|-----------|------------|-------|-------|-----------------|-----------|---|------------------------------------|
| {6JR6† | 6.3 | EV-2913-6 | 21.5 | --- | P4 | D | 2800 | Use Adapter SA-4, 1050-144, Note 7 | 6.3 | EV-7986-0 | 0.8 | --- | P4 | C | 4000 | Pent. Sect. | |
| {Model 539C: No Adapter Required. | 6.3 | B3-5032-4 | 25.0 | --- | P4 | C | 3150 | Cap = P | 6.3 | EV-2301-0 | 1.2 | --- | P4 | D | 1900 | Triode Sect. | |
| {6JS6A† | 6.3 | EV-2973-6 | 22.0 | --- | P4 | C | 4100 | Use Adapter SA-4, 1050-144, Note 7 | 6.3 | EV-7986-0 | 2.0 | --- | P4 | B | 6300 | Pent. Sect. | |
| {Model 539C: No Adapter Required. | 6.3 | EV-2913-6 | 23.0 | --- | P4 | C | 5700 | Pent. Sect. Use "Min. and Sub-Min." Shorts Position | 6.3 | EV-0301-0 | 0.0 | --- | P1 | D | ★ | Diode No. 1 | |
| {6JT8 | 6.3 | EV-2013-8 | 21.5 | --- | P4 | E | 950 | Triode Sect. | 6.3 | EV-0201-0 | 0.0 | --- | P4 | D | ★ | Diode No. 2 | |
| {6JU6† | 6.3 | EV-0809-0 | 0.0 | --- | P4 | D | 2800 | Cap = P. Use Adapter SA-4, 1050-144, Note 7 | Model 539C: No Adapter Required. | 6.3 | EV-2913-6 | 23.0 | --- | P4 | D | 2850 | Use Adapter SA-4, 1050-144, Note 7 |
| {6JV6† | 6.3 | EV-0708-0 | 0.0 | --- | P1 | G | ★ | Diode No. 1 | 6.3 | EV-7986-0 | 1.5 | --- | P4 | B | 7800 | Pent. Sect. | |
| {6JV8 | 6.3 | EV-0203-0 | 0.0 | --- | P1 | G | ★ | Diode No. 2 | 6.3 | EV-2301-0 | 1.0 | --- | P4 | D | 2400 | Triode Sect. | |
| {6JY8 | 6.3 | EV-0102-0 | 0.0 | --- | P1 | G | ★ | Diode No. 3 | 6.3 | EV-9708-6 | 1.3 | --- | P4 | E | 800 | Triode No. 1 | |
| {6JZ6† | 6.3 | B3-X732-W | 15.0 | --- | P4 | C | 4700 | Diode No. 4 | 6.3 | EV-1302-6 | 1.3 | --- | P4 | E | 800 | Triode No. 2 | |
| {6JZ8† | 6.3 | EV-7986-0 | 1.2 | --- | P4 | C | 5200 | Pent. Sect. | 6.3 | EV-2781-3 | 1.0 | --- | P4 | B | 10000 | Triode Sect. | |
| {6KA8 | 6.3 | EV-2301-0 | 1.4 | --- | P4 | D | 2200 | Triode Sect. | 6.3 | EV-2673-0 | 10.0 | --- | P4 | C | 3450 | Pent. Sect. Use Adapter SA-4, 1050-144, Note 7 | |
| {6KB8 | 6.3 | EV-7986-0 | 2.0 | --- | P4 | C | 4750 | Pent. Sect. | 6.3 | EV-9801-0 | 1.4 | --- | P4 | D | 1150 | Triode Sect. | |
| {6KC8 | 6.3 | EV-2301-0 | 1.2 | --- | P4 | C | 4400 | Cap = P | 6.3 | EV-2673-0 | 1.4 | --- | P4 | D | 2850 | Pent. Sect. | |
| {6KD6† | 6.3 | B3-5032-4 | 16.0 | --- | P4 | C | 4050 | Pent. Sect. | 6.3 | EV-9108-0 | 1.8 | --- | P4 | C | 3800 | Triode Sect. | |
| {6KD8 | 6.3 | B3-7489-0 | 7.6 | --- | P4 | C | 6500 | Triode Sect. | 6L6 | HS-5348-1 | 3.0 | --- | P4 | C | 3300 | Cap = P. Plate Valve = Low | |
| {6KE8 | 6.3 | B3-5348-0 | 9.0 | --- | P4 | C | 1150 | Triode Sect. | 6.3 | B3-5032-4 | 8.0 | --- | P4 | C | 6300 | Pent. Sect. | |
| {6KF8 | 6.3 | HS-5348-0 | 5.0 | --- | P4 | E | 1000 | Triode Sect. | 6.3 | EV-7986-0 | 2.2 | --- | P4 | C | 5350 | Pent. Sect. | |
| {6KL8 | 6.3 | B3-9W04-8 | 3.2 | --- | P4 | D | 1950 | Triode No. 1 | 6.3 | EV-2301-0 | 1.6 | --- | P1 | E | ★ | Cap = G | |
| {6KL8 | 6.3 | B3-7506-8 | 1.3 | --- | P4 | E | 800 | Triode No. 2 | 6.3 | HS-0506-1 | 0.0 | --- | P4 | E | ★ | Cap = G | |
| {6KM6† | 6.3 | B3-X203-8 | 1.3 | --- | P4 | E | 800 | Triode No. 3 | 6.3 | EV-6987-3 | 1.2 | --- | P4 | E | 1260 | Pent. Sect. | |
| {Model 539C: No Adapter Required. | 6.3 | EV-6983-7 | 1.2 | --- | P4 | E | 1260 | Triode Sect. | 6.3 | EV-2103-0 | 2.4 | --- | P4 | E | 1260 | Triode Sect. | |
| {6KM8 | 6.3 | EV-2103-0 | 2.4 | --- | P4 | E | 1260 | Triode Sect. | 6.3 | EV-2781-3 | 1.6 | --- | P4 | C | 5500 | Pent. No. 1 | |
| {6KN6† | 6.3 | B3-5032-4 | 20.0 | --- | P4 | C | 7500 | Cap = P | 6.3 | EV-9683-7 | 2.0 | --- | P4 | E | 800 | Pent. No. 2 | |
| {6KN8 | 6.3 | EV-2637-0 | 0.4 | --- | P4 | D | 2900 | Pent. Sect. | 6.3 | EV-9183-2 | 2.0 | --- | P4 | E | 800 | Pent. No. 2 | |
| {6KR8 | 6.3 | EV-9108-0 | 1.5 | --- | P4 | C | 4700 | Triode Sect. | 6.3 | EV-7986-0 | 0.6 | --- | P4 | D | 2450 | Triode Sect. | |
| {6KS6 | 6.3 | EV-2637-0 | 0.6 | --- | P4 | C | 5100 | Pent. Sect. | 6.3 | EV-2301-0 | 1.0 | --- | P4 | C | 5650 | Cap = P | |
| {6KS6 | 6.3 | EV-9108-0 | 1.4 | --- | P4 | C | 4600 | Triode Sect. | 6.3 | B3-50X4-0 | 20.0 | --- | P1 | E | ★ | Cap = G | |
| {6KT6 | 6.3 | EV-7821-9 | 1.0 | --- | P4 | E | 350 | Pent. No. 1 | 6.3 | HS-0506-1 | 0.0 | --- | P1 | E | ★ | Cap = G | |
| | 6.3 | EV-7321-6 | 1.0 | --- | P4 | E | 350 | Pent. No. 2 | 6.3 | HS-0506-3 | 0.0 | --- | P1 | E | ★ | Cap = G | |
| | 6.3 | EV-2763-1 | 0.0 | --- | P1 | D | 1950 | Pent. Sect. Hold down PI and Press P4 | 6.3 | EV-9678-0 | 0.6 | --- | P4 | C | 5600 | Pent. Sect. | |
| | 6.3 | EV-0803-0 | 0.0 | --- | P4 | D | 3000 | Diode Sect. | 6.3 | EV-1203-0 | 1.8 | --- | P4 | C | 4700 | Triode Sect. | |
| {Model 539C: No Adapter Required. | 6.3 | EV-2073-8 | 20.0 | --- | P4 | C | 3000 | Cap = P. Use Adapter SA-4, 1050-144, Note 7 | 6.3 | EV-2637-0 | 1.6 | --- | P4 | D | 2500 | Pent. Sect. | |
| {6KM8 | 6.3 | EV-7986-0 | 0.0 | --- | --- | D | 1075 | Tetrode Plate No. 1. Hold down PI and Press P4 | 6.3 | EV-9108-0 | 1.2 | --- | P4 | C | 5000 | Triode Sect. | |
| {6KM8 | 6.3 | EV-7286-0 | 0.0 | --- | --- | D | 1100 | Tetrode Plate No. 2. Hold down PI and Press P4 | 6.3 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | Pent. Sect. | |
| {6KM8 | 6.3 | EV-7186-0 | 0.0 | --- | --- | D | 1100 | Tetrode Plate No. 3. Hold down PI and Press P4 | 6.3 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | Triode Sect. | |
| {6KM8 | 6.3 | EV-0306-0 | 0.0 | --- | P1 | D | ★ | Diode Sect. | 6.3 | EV-2073-8 | 7.0 | --- | P4 | C | 5800 | Triode Sect. Cap = P. Plate Valve = Low. Use Adapter SA-4, 1050-144, Note 7 | |
| {6KN6† | 6.3 | B3-5032-4 | 19.0 | --- | P4 | C | 4400 | Cap = P | Model 539C: No Adapter Required. | 6.3 | EV-7986-0 | 1.5 | --- | P4 | B | 7800 | Pent. Sect. |
| {6KN8 | 6.3 | EV-7608-0 | 2.2 | --- | P4 | C | 7900 | Triode No. 1 | 6.3 | EV-2301-0 | 1.2 | --- | P4 | C | 4250 | Triode Sect. | |
| {6KR8 | 6.3 | EV-2103-0 | 2.2 | --- | P4 | C | 6600 | Pent. Sect. | 6.3 | B3-5032-4 | 25.0 | --- | P4 | C | 3500 | Cap = P | |
| {6KR8 | 6.3 | EV-7986-0 | 2.0 | --- | P4 | C | 5900 | Triode Sect. | 6.3 | EV-2673-0 | 10.0 | --- | P4 | C | 650 | Pent. Sect. Use Adapter SA-4, 1050-144, Note 7 | |
| {6KS6 | 6.3 | EV-2301-0 | 1.2 | --- | P4 | E | 250 | Lumber Grid. Plates Valve = Low | 6.3 | EV-9801-0 | 3.6 | --- | P4 | E | 650 | Triode Sect. | |
| {6KS6 | 6.3 | ET-2751-6 | 0.0 | --- | P4 | E | 570 | Quadrature Grid. Plate Valve = Low | Model 539C: No Adapter Required. | 6.3 | EV-9321-0 | 0.8 | --- | P4 | C | 5350 | Pent. Sect. |
| | 6.3 | ET-6751-2 | 0.4 | --- | P4 | D | 7500 | Quadrature Grid. Plate Valve = Low | 6.3 | EV-0807-0 | 0.0 | --- | P1 | G | ★ | Diode No. 1 | |
| | 6.3 | EV-2781-9 | 1.0 | --- | P4 | C | | | 6.3 | EV-0607-0 | 0.0 | --- | P1 | G | ★ | Diode No. 2 | |
| | | | | --- | P4 | C | | | 6.3 | ET-1562-7 | 1.0 | --- | P4 | C | 4400 | | |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS |
|-----------------------------------|-----|-----------|------------|-------|-------|-----------------|--|-----------|-----|-----------|------------|-------|-------|-----------------|---|
| {6LU8† | 6.3 | B3-6489-0 | 10.0 | --- | P4 | C | Pent. Sect. | {6Q11† | 6.3 | B3-9W04-8 | 3.2 | --- | P4 | D | Triode No. 1 |
| {6LU8 | 6.3 | B3-W20X-0 | 3.6 | --- | P4 | E | Triode Sect. | {6Q11 | 6.3 | B3-7506-8 | 1.3 | --- | P4 | E | Triode No. 2 |
| {6LV6† | 6.3 | B3-5032-4 | 23.0 | --- | P4 | C | Cap = P | {6Q11 | 6.3 | B3-X203-8 | 1.3 | --- | P4 | E | Triode No. 3 |
| {6LW6 | 6.3 | HY-5032-0 | 20 | --- | P4 | C | Cap = P | 6R4 | 6.3 | EV-1803-0 | 5.0 | --- | P4 | D | 2500 |
| {6LX6† | 6.3 | B3-5032-4 | 20.0 | --- | P4 | C | Cap = P | 6S4 | 6.3 | EV-6902-0 | 3.2 | --- | P4 | D | 2840 |
| {6LY8 | 6.3 | EV-7986-0 | 2.9 | --- | P4 | C | Pent. Sect. | {6SN7 | 6.3 | HY-4506-2 | 3.7 | --- | P4 | D | 1640 |
| {6LZ6† | 6.3 | EV-2301-0 | 1.4 | --- | P4 | E | Triode Sect. | {6SN7 | 6.3 | HY-1203-5 | 3.7 | --- | P4 | D | 1640 |
| {Model 539C: No Adapter Required. | 6.3 | EV-6073-8 | 25.0 | --- | P4 | C | Cap-P, Use Adapter SA-4, 1050-144, Note 7 | 6T4 | 6.3 | ET-2105-0 | 1.4 | --- | P4 | D | Plate Volts = Low |
| {6M3 | 6.3 | JS-0003-0 | 0.0 | 89 | P3 | G | Cap-P, Reverse Mtr. Started B. | 6T8 | 6.3 | EV-8907-6 | 1.3 | 0 | P1 | G | Triode Sect. |
| {6M11† | 6.3 | B3-2X3W-0 | 0.6 | --- | P4 | C | Pent. Sect. | 6T8 | 6.3 | EV-0607-1 | 0.0 | 0 | P1 | G | Diode No. 1 |
| {6M11 | 6.3 | B3-8709-0 | 1.1 | --- | P4 | C | Triode No. 1 | 6T8 | 6.3 | EV-0203-7 | 0.0 | 0 | P1 | G | Diode No. 2 |
| {6MA6 | 6.3 | DY-0607-4 | 0.0 | --- | P1 | E | Triode No. 2 | 6T9† | 6.3 | EV-0107-8 | 0.0 | 0 | P1 | G | Diode No. 3 |
| {6MB6† | 6.3 | B3-5032-4 | 17.0 | --- | P4 | C | Cap = P | 6T9 | 6.3 | B3-8XW9-0 | 2.4 | --- | P4 | D | Pent. Sect. |
| {6MB8 | 6.3 | EV-9678-0 | 0.6 | --- | P4 | C | Cap = P | 6T10† | 6.3 | B3-4205-0 | 0.8 | --- | P4 | D | Triode Sect. |
| {6MB8 | 6.3 | EV-1203-0 | 0.8 | --- | P4 | C | Pent. Sect. | 6T10 | 6.3 | B3-8XW9-0 | 2.2 | --- | P4 | C | Pent. No. 1 |
| {6MC6† | 6.3 | EV-2073-8 | 20.0 | --- | P4 | C | Triode Sect. | {6U8 | 6.3 | B3-3762-5 | 1.6 | --- | P4 | E | Pent. No. 2 |
| {Model 539C: No Adapter Required. | 6.3 | EV-6073-8 | 7.0 | --- | P4 | C | Cap-P, Use Adapter SA-4, 1050-144, Note 7 | {6U8 | 6.3 | EV-2637-0 | 0.8 | --- | P4 | D | Pent. Sect. |
| {6MD8† | 6.3 | EV-6307-0 | 4.0 | --- | P4 | D | Triode No. 1, Use Adapter SA-4, 1050-144, Note 7 | {6U9† | 6.3 | FW-3782-4 | 1.5 | --- | P4 | C | Triode Sect. |
| {6MD8 | 6.3 | EV-8207-0 | 4.0 | --- | P4 | D | Triode No. 2 | 6U9 | 6.3 | FW-W901-0 | 4.5 | --- | P4 | C | Triode Sect. |
| {6MD8 | 6.3 | EV-9107-0 | 4.0 | --- | P4 | D | Triode No. 3 | 6U10† | 6.3 | B3-9W04-0 | 3.8 | --- | P4 | E | Triode Sect. |
| {Model 539C: No Adapter Required. | 6.3 | EV-6073-8 | 7.0 | --- | P4 | C | Cap-P, Plate Volts = Low, Use Adapter SA-4, 1050-144, Note 7 | 6U10 | 6.3 | B3-7506-0 | 2.2 | --- | P4 | E | Triode No. 2 |
| {6ME6† | 6.3 | EV-6937-2 | 2.0 | --- | P4 | D | Plate No. 1 | {6U10 | 6.3 | B3-X203-0 | 3.8 | --- | P4 | E | Triode No. 3 |
| {Model 539C: No Adapter Required. | 6.3 | EV-6837-2 | 2.0 | --- | P4 | D | Plate No. 2 | 6V3 | 6.3 | EV-0002-0 | 0.0 | 91 | P3 | G | Cap-P, Start an D Reverse Mtr |
| {6ME8 | 6.3 | B3-7489-0 | 4.0 | --- | P4 | D | Pent. Sect. | 6V5 | 6.3 | HY-5340-0 | 15.0 | --- | P4 | D | 2600 |
| {6MF8† | 6.3 | B3-W20X-0 | 2.4 | --- | P4 | D | Triode Sect. | 6V6 | 6.3 | HS-5348-1 | 3.3 | --- | P4 | D | 2600 |
| {6MG8 | 6.3 | EV-2637-0 | 1.0 | --- | P4 | D | Triode Sect. | {6V9† | 6.3 | FW-3741-2 | 1.0 | --- | --- | --- | --- |
| {6MG8 | 6.3 | EV-9108-0 | 1.0 | --- | P4 | C | Triode Sect. | {6V9 | 6.3 | FW-8W09-0 | 2.4 | --- | P4 | C | Triode Sect. |
| {6MH6† | 6.3 | B3-5032-4 | 20.0 | --- | P4 | C | Cap = P | 6W4 | 6.3 | HY-0503-0 | 0.0 | 90 | P3 | G | Hold Down P1 and Press P4 |
| {6MJ8† | 6.3 | B3-X203-0 | 3.2 | --- | P4 | D | Triode No. 1 | 6W6 | 6.3 | HS-5348-0 | 1.5 | --- | --- | C | 5650 |
| {6MJ8 | 6.3 | B3-W403-0 | 3.2 | --- | P4 | D | Triode No. 2 | {6X4 | 6.3 | ET-0607-1 | 0.0 | 85 | P3 | G | Plate No. 1 |
| {6MJ8 | 6.3 | B3-8603-0 | 3.2 | --- | P4 | D | Triode No. 3 | {6X4 | 6.3 | ET-0107-6 | 0.0 | 85 | P3 | G | Plate No. 2 |
| {6MK8 | 6.3 | EV-7821-9 | 0.0 | --- | --- | --- | Pent. No. 1, Hold Down P1 and Press P4 | {6X5 | 6.3 | HS-0508-1 | 0.0 | 85 | P3 | G | Plate No. 2 |
| {6MK8 | 6.3 | EV-7321-6 | 0.0 | --- | --- | --- | Pent. No. 2, Hold Down P1 and Press P4 | 6X8 | 6.3 | HS-0308-1 | 0.0 | 85 | P3 | G | Plate No. 2 |
| {6ML8 | 6.3 | EV-6307-0 | 2.0 | --- | P4 | C | Triode No. 1 | {6X9† | 6.3 | EV-7986-1 | 1.2 | --- | P4 | C | Pent. Sect. |
| {6ML8 | 6.3 | EV-8207-0 | 2.0 | --- | P4 | C | Triode No. 2 | 6X8 | 6.3 | EV-2306-1 | 2.0 | --- | P4 | C | Triode Sect. |
| {6ML8 | 6.3 | EV-9107-0 | 2.0 | --- | P4 | C | Triode No. 3 | {6X9 | 6.3 | FW-3782-4 | 1.5 | --- | P4 | C | Pent. Sect. Use Adapter SA-11, 1050-177, Note 7 |
| {6MN8† | 6.3 | B3-8603-0 | 1.0 | --- | P4 | C | Triode No. 1 | 6Y9† | 6.3 | FW-8W97-0 | 2.2 | --- | P4 | C | Triode Sect. |
| {6MN8 | 6.3 | B3-W403-0 | 1.0 | --- | P4 | C | Triode No. 2 | 6Y9 | 6.3 | FW-1432-0 | 1.0 | --- | P4 | C | Triode Sect. |
| {6MN8 | 6.3 | B3-X203-0 | 1.0 | --- | P4 | C | Triode No. 3 | 6Y10† | 6.3 | B3-8XW9-0 | 2.7 | --- | P4 | D | Pent. No. 1 |
| {6MO8 | 6.3 | EV-2637-0 | 1.0 | --- | P4 | C | Pent. Sect. | 6Y10 | 6.3 | B3-3762-5 | 1.5 | --- | P4 | D | Pent. No. 2 |
| {6MO8 | 6.3 | EV-9108-0 | 1.0 | --- | P4 | C | Triode Sect. | 6Z4 | 6.3 | FR-0304-0 | 0.0 | 88 | P3 | G | Plate No. 1 |
| {6MU8 | 6.3 | EV-2637-0 | 2.0 | --- | P4 | C | Triode Sect. | 6Z4 | 6.3 | FR-0204-0 | 0.0 | 88 | P3 | G | Plate No. 2 |
| {6MU8 | 6.3 | EV-9108-0 | 2.0 | --- | P4 | C | Pent. Sect. | 6Z10† | 6.3 | B3-7468-5 | 0.0 | --- | P4 | E | 250 |
| {6MV8 | 6.3 | EV-7986-0 | 1.0 | --- | P4 | C | Triode Sect. | 6Z10 | 6.3 | B3-X923-0 | 2.6 | --- | P4 | C | Plate No. 1 Plate Volts = Low |
| {6MV8 | 6.3 | EV-2301-0 | 1.4 | --- | P4 | D | Triode Sect. | 7AU7 | 6.3 | B3-7608-0 | 3.2 | --- | P4 | D | Pent. No. 2 |
| {6MY8† | 6.3 | B3-6489-0 | 10.0 | --- | P4 | C | Pent. Sect. | 7AU7 | 6.3 | EV-2103-0 | 3.2 | --- | P4 | D | Triode No. 1 |
| {6MY8 | 6.3 | B3-W20X-0 | 3.6 | --- | P4 | E | Triode Sect. | 7DJ8 | 7.5 | EV-7608-0 | 3.0 | --- | P4 | C | Triode No. 1 |
| | | | | | | | | 7DJ8 | 7.5 | EV-2103-0 | 3.0 | --- | P4 | C | Triode No. 2 |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-------------------------|------------|-------|-------|-----------------|--|
| {7ES8 | 7.5 | EV-7608-0 | 2.4 | --- | P4 | C 7500 | Triode No. 1 |
| {7ES8 | 7.5 | EV-2103-0 | 2.4 | --- | P4 | C 7500 | Triode No. 2 |
| {7EY6 | 7.5 | HS-5348-0 | 6.8 | --- | P4 | D 2800 | Triode No. 1 |
| {7FC7 | 7.5 | EV-6908-0 | 2.4 | --- | P4 | C 6000 | Triode No. 2 |
| {7HG8 | 7.5 | EV-2301-0 | 2.4 | --- | P4 | C 6000 | Pent. Sect. |
| {7HG8 | 7.5 | EV-2893-0 | 0.6 | --- | P4 | C 5400 | Triode Sect. |
| {7KY6 | 7.5 | EV-6703-0 | 5.4 | --- | P4 | D 3000 | |
| {7KZ6 | 7.5 | EV-2781-3 | 1.0 | --- | P4 | B 10000 | |
| {8AC9† | 7.5 | EV-2781-3 | 2.0 | --- | P4 | B 8200 | |
| {8AC9† | 7.5 | B3-9XW8-7 | 1.0 | --- | P4 | C 4400 | Pent. Sect. |
| {8AC9 | 7.5 | B3-0304-0 | 0.0 | 18 | P1 | C ★ | Diode No. 1 |
| {8AC9 | 7.5 | B3-0203-0 | 0.0 | 18 | P1 | C ★ | Diode No. 2 |
| {8AC10† | 10.0 | B3-9W04-0 | 1.0 | --- | P4 | C 3450 | Triode No. 1. |
| {8AC10 | 10.0 | B3-7506-0 | 1.0 | --- | P4 | C 3450 | Triode No. 2 |
| {8AC10 | 10.0 | B3-X203-0 | 1.0 | --- | P4 | C 3450 | Triode No. 3 |
| {8AL9† | 7.5 | B3-X2W9-4 | 0.5 | --- | P4 | B 8200 | Pent. Sect. |
| {8AL9 | 7.5 | B3-5706-0 | 1.4 | --- | P4 | C 4000 | Triode Sect. |
| {8AR11† | 7.5 | B3-W89X-7 | 0.6 | --- | P4 | C 5600 | Pent. No. 1 |
| {8AR11 | 7.5 | B3-5236-4 | 0.6 | --- | P4 | C 5600 | Pent. No. 2 |
| {8AU8 | 7.5 | EV-7986-0 | 1.0 | --- | P4 | C 4400 | Pent. Sect. |
| {8AU8 | 7.5 | EV-2301-0 | 1.5 | --- | P4 | C 3100 | Triode Sect. |
| {8AV11† | 7.5 | B3-9W04-0 | 3.0 | --- | P4 | E 1600 | Triode No. 1 |
| {8AV11 | 7.5 | B3-7506-0 | 3.0 | --- | P4 | E 1600 | Triode No. 2 |
| {8AV11 | 7.5 | B3-X203-0 | 3.0 | --- | P4 | E 1600 | Triode No. 3 |
| {8AW8A | 7.5 | EV-7986-0 | 2.0 | --- | P4 | C 4700 | Pent. Sect. |
| {8AW8A | 7.5 | EV-2301-0 | 1.3 | --- | P4 | C 2500 | Triode Sect. |
| {8B10† | 7.5 | B3-5607-0 | 4.4 | --- | P4 | D 1700 | Triode No. 1. Set "Power Adjust" at 114 Volts |
| {8B10 | 7.5 | B3-3402-0 | 4.4 | --- | P4 | D 1700 | Triode No. 2 |
| {8B10 | 7.5 | B3-0W09-0 | 0.0 | 0 | P1 | C ★ | Triode No. 3 |
| {8B10 | 7.5 | B3-0809-0 | 0.0 | 0 | P1 | C ★ | Triode No. 4 |
| {8BA8A | 7.5 | EV-7986-0 | 1.5 | --- | P4 | C 4400 | Pent. Sect. |
| {8BA8A | 7.5 | EV-2301-0 | 5.6 | --- | P4 | D 1700 | Triode Sect. |
| {8BA11† | 7.5 | B3-4638-7 | 1.0 | --- | P4 | D 500 | Pent. No. 1 |
| {8BA11 | 7.5 | B3-4238-5 | 1.0 | --- | P4 | D 500 | Pent. No. 2 |
| {8BA11 | 7.5 | B3-9X0W-0 | 4.8 | --- | P4 | D 1250 | Triode Sect. |
| {8BH8 | 7.5 | EV-7986-0 | 0.5 | --- | P4 | C 3150 | Pent. Sect. Hold down Press P4 |
| {8BH8 | 7.5 | EV-2301-0 | 4.8 | --- | P4 | D 2100 | Triode Sect. |
| {8BM11† | 7.5 | B3-X79W-8 | 1.0 | --- | P4 | C 3800 | Pent. No. 1 |
| {8BM11 | 7.5 | B3-6235-4 | 1.2 | --- | P4 | C 3500 | Pent. No. 2 |
| {8BN8 | 7.5 | EV-8709-0 | 1.8 | --- | P4 | D 1600 | Triode Sect. |
| {8BN8 | 7.5 | EV-0603-0 | 0.0 | 0 | P1 | C ★ | Diode No. 1 |
| {8BN8 | 7.5 | EV-0102-0 | 0.0 | 0 | P1 | C ★ | Diode No. 2 |
| {8BN11† | 10.0 | B3-7X98-W | 1.0 | --- | P4 | C 3800 | Triode No. 1. Set "Power Adjust" To 50V. |
| {8BN11 | 10.0 | B3-3542-6 | 1.0 | --- | P4 | C 3800 | Pent. No. 2 |
| {8BQ5 | 7.5 | EV-2793-0 | 1.0 | --- | P4 | C 5650 | Pent. No. 2 |
| | | Re-test using EV-1793-0 | | | | | |
| {8BQ11† | 7.5 | B3-W89X-7 | 0.0 | --- | P4 | C 6300 | Pent. No. 1 |
| {8BQ11 | 7.5 | B3-5236-4 | 0.4 | --- | P4 | C 6500 | Pent. No. 2 |
| {8BU11† | 7.5 | B3-8W9X-0 | 1.0 | --- | P4 | D 3000 | Pent. Sect. |
| {8BU11 | 7.5 | B3-6705-0 | 1.6 | --- | P4 | C 4000 | Triode No. 1 |
| {8BU11 | 7.5 | B3-4302-0 | 1.6 | --- | P4 | C 4000 | Triode No. 2 |
| {8CB11† | 7.5 | B3-W89X-7 | 0.8 | --- | P4 | C 5350 | Pent. No. 1 |
| {8CB11 | 7.5 | B3-5236-4 | 0.8 | --- | P4 | C 5350 | Pent. No. 2 |
| {8CG7 | 7.5 | EV-7608-9 | 3.7 | --- | P4 | D 1640 | Triode No. 1 |
| {8CG7 | 7.5 | EV-2103-9 | 3.7 | --- | P4 | D 1640 | Triode No. 2 |
| {8CM7 | 7.5 | EV-7603-0 | 4.7 | --- | P4 | D 1260 | Triode No. 1 |
| {8CM7 | 7.5 | EV-8109-0 | 4.0 | --- | P4 | C 2800 | Triode No. 2 |
| {8CN7 | 7.5 | EV-7806-0 | 1.3 | --- | P4 | E 750 | Triode Sect. |
| {8CN7 | 7.5 | EV-0203-0 | 0.0 | 0 | P1 | C ★ | Diode No. 1 |
| {8CN7 | 7.5 | EV-0103-0 | 0.0 | 0 | P1 | C ★ | Diode No. 2 |
| {8CS7 | 7.5 | EV-7608-0 | 3.7 | --- | P4 | D 1400 | Triode No. 1 |
| {8CS7 | 7.5 | EV-3109-0 | 5.3 | --- | P4 | C 2840 | Triode No. 2 |
| {8CW5 | 7.5 | EV-2793-0 | 4.0 | --- | P4 | C 4500 | |
| {8CX8 | 7.5 | EV-7986-0 | 2.0 | --- | P4 | C 4100 | Pent. Sect. |
| {8CX8 | 7.5 | EV-2301-0 | 1.2 | --- | P4 | D 2900 | Triode Sect. |
| {8EB8 | 7.5 | EV-7986-0 | 0.8 | --- | P4 | C 5000 | Pent. Sect. |
| {8EB8 | 7.5 | EV-2301-0 | 0.6 | --- | P4 | E 1400 | Triode Sect. |
| {8EM5 | 7.5 | EV-3917-0 | 3.7 | --- | P4 | D 3200 | |
| {8ET7 | 7.5 | EV-7986-0 | 2.0 | --- | P4 | C 5000 | Pent. Sect. |
| {8ET7 | 7.5 | EV-0301-0 | 0.0 | --- | P1 | D ★ | Diode No. 1 |
| {8ET7 | 7.5 | EV-0201-0 | 0.0 | --- | P1 | D ★ | Diode No. 2 |
| {8FQ7 | 7.5 | EV-7608-0 | 3.7 | --- | P4 | D 1640 | Triode No. 1 |
| {8FQ7 | 7.5 | EV-2103-0 | 3.7 | --- | P4 | D 1640 | Triode No. 2 |
| {8GK6 | 7.5 | EV-2781-3 | 1.0 | --- | P4 | C 6300 | |
| {8GN8 | 7.5 | EV-7986-0 | 2.0 | --- | P4 | C 5100 | Pent. Sect. |
| {8GN8 | 7.5 | EV-2301-0 | 1.6 | --- | P4 | E 800 | Triode Sect. |
| {8GU7 | 7.5 | EV-7608-0 | 5.2 | --- | P4 | D 1730 | Triode No. 1 |
| {8GU7 | 7.5 | EV-2103-0 | 5.2 | --- | P4 | D 1730 | Triode No. 2 |
| {8GX7 | 7.5 | EV-2671-0 | 1.0 | --- | P4 | C 4400 | Pent. Sect. |
| {8GX7 | 7.5 | EV-9801-0 | 1.4 | --- | P4 | C 5300 | Triode Sect. |
| {8JL8 | 7.5 | EV-7986-0 | 2.4 | --- | P4 | C 4800 | Pent. Sect. |
| {8JL8 | 7.5 | EV-2301-0 | 2.0 | --- | P4 | D 2900 | Triode Sect. |
| {8JV8 | 7.5 | EV-7986-0 | 1.2 | --- | P4 | C 5200 | Pent. Sect. |
| {8JV8 | 7.5 | EV-2301-0 | 1.4 | --- | P4 | D 2200 | Triode Sect. |
| {8JU8 | 7.5 | EV-0809-0 | 0.0 | 0 | P1 | C ★ | Diode No. 1 |
| {8JU8 | 7.5 | EV-0708-0 | 0.0 | 0 | P1 | C ★ | Diode No. 2 |
| {8JU8 | 7.5 | EV-0203-0 | 0.0 | 0 | P1 | C ★ | Diode No. 3 |
| {8JU8 | 7.5 | EV-0102-0 | 0.0 | 0 | P1 | C ★ | Diode No. 4 |
| {8K11† | 7.5 | B3-9W04-8 | 3.2 | --- | P4 | D 1950 | Triode No. 1 |
| {8K11 | 7.5 | B3-7506-8 | 1.3 | --- | P4 | E 800 | Triode No. 2 |
| {8K11 | 7.5 | B3-X203-8 | 1.3 | --- | P4 | E 800 | Triode No. 3 |
| {8KA8 | 7.5 | EV-6983-7 | 1.2 | --- | P4 | E 1260 | Pent. Sect. |
| {8KA8 | 7.5 | EV-2103-0 | 2.4 | --- | P4 | E 1260 | Triode Sect. |
| {8KR8 | 7.5 | EV-7986-0 | 2.0 | --- | P4 | C 6600 | Triode Sect. |
| {8KR8 | 7.5 | EV-2301-0 | 1.2 | --- | P4 | C 5900 | Pent. Sect. |
| {8LC8 | 7.5 | EV-6987-3 | 1.2 | --- | P4 | E 1260 | Pent. Sect. |
| {8LC8 | 7.5 | EV-2103-0 | 2.4 | --- | P4 | E 1260 | Triode Sect. |
| {8LR8† | 7.5 | EV-2673-0 | 10.0 | --- | P4 | C 3500 | Pent. Sect. Use Adapter SA-4, 1050-144, Note 7 |
| {8LR8 | 7.5 | EV-9801-0 | 3.6 | --- | P4 | E 650 | Triode Sect. |

Model 539C: No Adapter Required.

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS | |
|-----------|------|-----------|------------|-------------|-----------------|--|-----------------------------------|------|-----------|------------|-------------|-----------------|-----------|--|
| {8L18 | 7.5 | EV-9321-6 | 0.8 | --- | C | Pent. Sect. | {10EG7 | 10.0 | HY-4506-0 | 6.0 | --- | E | 1200 | Triode No. 1 |
| {8L18 | 7.5 | EV-9607-0 | 0.0 | 19 | C | Diode No. 1 | {10EG7 | 10.0 | HY-1203-0 | 20.0 | --- | E | 4700 | Triode No. 2 |
| {8L18 | 7.5 | EV-9807-0 | 0.0 | 19 | C | Diode No. 2 | {10EM7 | 10.0 | HY-4506-0 | 1.6 | --- | D | 1000 | Triode No. 1 |
| {8MU8 | 7.5 | EV-2637-0 | 2.0 | --- | C | Pent. Sect. | {10EM7 | 10.0 | HY-1203-0 | 17.0 | --- | C | 6000 | Triode No. 2 |
| {8MU8 | 7.5 | EV-9103-0 | 2.0 | --- | C | Triode Sect. | {10GF7† | 10.0 | EV-9801-0 | 2.0 | --- | P4 | 600 | Triode No. 1, Use Adapter SA-4, 1059-144, Note 7 |
| {8SN7 | 7.5 | HY-4503-0 | 3.7 | --- | D | Triode No. 1 | {10GF7 | 10.0 | EV-2603-0 | 16.0 | --- | C | 5000 | Triode No. 2 |
| {8SN7 | 7.5 | HY-1203-0 | 3.7 | --- | D | Triode No. 2 | {Model 539C: No Adapter Required. | | | | | | | |
| {8U9† | 7.5 | FW-3782-4 | 1.5 | --- | C | Pent. Sect. Use Adapter SA-11, 1059-177, Note 7 | {10GK6 | 10.0 | EV-2781-3 | 1.0 | --- | C | 6300 | |
| {8U9 | 7.5 | FW-W901-0 | 4.5 | --- | C | Triode Sect. | {10GN8 | 10.0 | EV-7986-0 | 2.0 | --- | C | 5100 | Pent. Sect. |
| {8X9† | 7.5 | EV-3782-4 | 1.5 | --- | C | Pent. Sect. Use Adapter SA-11, 1059-177, Note 7 | {10GN8 | 10.0 | EV-2301-0 | 1.6 | --- | E | 800 | Triode Sect. |
| {8X9 | 7.5 | FW-W901-0 | 1.2 | --- | C | Triode Sect. | {10GV8 | 10.0 | EV-9678-0 | 8.0 | --- | C | 4100 | Pent. Sect. |
| {9AH9† | 10.0 | B3-5X37-9 | 1.2 | --- | C | Pent. Sect. | {10GV8 | 10.0 | EV-2103-0 | 2.0 | --- | D | 2800 | Triode Sect. |
| {9AH9 | 10.0 | B3-2304-0 | 4.3 | --- | C | Triode Sect. | {10HF8 | 10.0 | EV-7986-0 | 1.8 | --- | C | 5000 | Pent. Sect. |
| {9AK10† | 10.0 | B3-5W04-0 | 2.0 | --- | D | Triode No. 1 | {10HF8 | 10.0 | EV-2301-0 | 1.2 | --- | D | 2500 | Triode Sect. |
| {9AK10 | 10.0 | B3-7506-0 | 2.0 | --- | D | Triode No. 2 | {10J10† | 10.0 | B3-7468-5 | 0.0 | --- | E | 250 | Pent. No. 1 Plate Volts=Low |
| {9AK10 | 10.0 | B3-X203-0 | 2.0 | --- | D | Triode No. 3 | {10J10 | 10.0 | B3-X923-0 | 2.6 | --- | C | 4300 | Pent. No. 2 |
| {9AU7 | 10.0 | EV-7608-0 | 3.2 | --- | D | Triode No. 1 | {10JA5† | 10.0 | B3-9634-0 | 15.0 | --- | C | 3900 | |
| {9AU7 | 10.0 | EV-2103-0 | 3.2 | --- | D | Triode No. 2 | {10JA8 | 10.0 | EV-7986-0 | 1.0 | --- | C | 5700 | Tetrode Sect. |
| {9BJ11† | 10.0 | B3-X79W-8 | 1.0 | --- | D | Pent. No. 1 | {10JA8 | 10.0 | EV-2301-0 | 1.6 | --- | D | 2200 | Triode Sect. |
| {9BJ11 | 10.0 | B3-6235-4 | 1.0 | --- | C | Pent. No. 2 | {10JA8 | 10.0 | EV-2301-0 | 1.6 | --- | C | 5700 | Pent. Sect. Use "Min. and Sub-Min." Shorts Position. |
| {9EA8 | 10.0 | EV-2637-0 | 0.8 | --- | D | Pent. Sect. | {10JT8 | 10.0 | EV-7986-0 | 1.6 | --- | E | 950 | Triode Sect. |
| {9EA8 | 10.0 | EV-9108-0 | 1.4 | --- | C | Triode Sect. | {10JY8 | 10.0 | EV-7986-0 | 2.0 | --- | C | 4750 | Pent. Sect. |
| {9GH8 | 10.0 | EV-2637-0 | 1.7 | --- | D | Pent. Sect. | {10JY8 | 10.0 | EV-2301-0 | 1.2 | --- | C | 6500 | Triode Sect. |
| {9GH8 | 10.0 | EV-9103-0 | 1.3 | --- | C | Triode Sect. | {10KR8 | 10.0 | EV-7986-0 | 2.0 | --- | C | 6600 | Pent. Sect. |
| {9JW8 | 10.0 | EV-2637-0 | 1.6 | --- | D | Pent. Sect. | {10KR8 | 10.0 | EV-2301-0 | 1.2 | --- | C | 5900 | Triode Sect. |
| {9JW8 | 10.0 | EV-9108-0 | 1.1 | --- | D | Triode Sect. | {10KU8 | 10.0 | EV-7986-0 | 2.0 | --- | B | 6300 | Pent. Sect. |
| {9KC6 | 7.5 | EV-2791-6 | 1.0 | --- | C | Triode Sect. | {10KU8 | 10.0 | EV-0301-0 | 0.0 | --- | D | ★ | Diode No. 1 |
| {9KX6 | 7.5 | EV-2781-3 | 1.0 | --- | B | Triode Sect. | {10LB8 | 10.0 | EV-7986-0 | 2.2 | --- | D | ★ | Diode No. 2 |
| {9KZ8 | 10.0 | EV-2673-0 | 1.4 | --- | D | Pent. Sect. | {10LB8 | 10.0 | EV-2301-0 | 1.6 | --- | C | 5350 | Pent. Sect. |
| {9KZ8 | 10.0 | EV-9108-0 | 1.8 | --- | C | Triode Sect. | {10LB8 | 10.0 | EV-2301-0 | 1.6 | --- | C | 2950 | Triode Sect. |
| {9LA6 | 7.5 | EV-2781-3 | 2.0 | --- | C | Triode Sect. | {10LD6 | 10.0 | EV-2781-3 | 1.6 | --- | C | 5500 | |
| {9ML8 | 10.0 | EV-6307-2 | 2.0 | --- | C | Triode No. 1 | {10LE8 | 10.0 | EV-9683-7 | 2.0 | --- | E | 800 | Pent. No. 1 |
| {9ML8 | 10.0 | EV-6207-0 | 2.0 | --- | C | Triode No. 2 | {10LE8 | 10.0 | EV-9183-2 | 2.0 | --- | E | 800 | Pent. No. 2 |
| {9ML8 | 10.0 | EV-9107-0 | 2.0 | --- | C | Triode No. 3 | {10LW8 | 10.0 | EV-7986-0 | 3.0 | --- | C | 6300 | Pent. Sect. |
| {9MN8† | 10.0 | B3-3603-0 | 1.0 | --- | C | Triode No. 1 | {10LW8 | 10.0 | EV-2301-0 | 2.0 | --- | C | 750 | Triode Sect. |
| {9MN8 | 10.0 | B3-W403-0 | 1.0 | --- | C | Triode No. 2 | {10LY8 | 10.0 | EV-7986-0 | 2.9 | --- | C | 4800 | Pent. Sect. |
| {9MN8 | 10.0 | B3-X203-0 | 1.0 | --- | C | Triode No. 3 | {10LY8 | 10.0 | EV-2301-0 | 1.4 | --- | E | 875 | Triode Sect. |
| {9R-AL1 | 10.0 | EV-7608-0 | 6.4 | --- | C | Triode No. 1 | {10LZ8 | 10.0 | EV-7986-0 | 2.0 | --- | C | 4100 | Pent. Sect. |
| {9R-AL1 | 10.0 | EV-3109-0 | 6.0 | --- | E | Triode No. 2 | {10LZ8 | 10.0 | EV-2301-0 | 3.0 | --- | E | 315 | Triode Sect. |
| {9V9† | 10.0 | FW-3741-2 | 1.0 | --- | E | Pent. Sect. Hold Down P1 and Press P4. Use Adapter SA-11, 1059-177, Note 7 | {10T10† | 10.0 | B3-3XW9-0 | 2.2 | --- | C | 3200 | Pent. No. 1 |
| {9V9 | 10.0 | FW-8W09-0 | 2.4 | --- | C | Triode Sect. | {10T10† | 10.0 | B3-3762-5 | 1.6 | --- | C | 375 | Pent. No. 2 |
| {10AL11† | 10.0 | B3-8XW9-0 | 2.4 | --- | C | Triode No. 1 | {10Z10† | 10.0 | B3-7468-5 | 0.0 | --- | E | 250 | Pent. No. 1. Plate Volts=Low |
| {10AL11 | 10.0 | B3-3672-4 | 3.4 | --- | E | Pent. No. 2 | {10Z10 | 10.0 | B3-X923-0 | 2.6 | --- | C | 4300 | Pent. No. 2 |
| {10BQ5 | 10.0 | EV-2793-0 | 1.0 | --- | C | Tubes indicating Base: Re-test using EV-1783-9 | {11AF9† | 12.6 | FW-8W97-0 | 2.2 | --- | C | 6300 | Pent. No. 1. Use Adapter SA-11, 1059-177, Note 7 |
| {10CW5 | 10.0 | EV-2793-0 | 4.0 | --- | C | Triode No. 1 | {11AF9 | 12.6 | FW-1432-0 | 1.0 | --- | C | 5300 | Pent. No. 2 |
| {10DE7 | 10.0 | EV-7608-0 | 5.0 | --- | E | Triode No. 2 | {11AR11† | 12.6 | B3-W99X-7 | 0.6 | --- | C | 5300 | Pent. No. 1. Set "Power Adjust" at 91 Volts |
| {10DE7 | 10.0 | EV-2109-0 | 19.0 | --- | C | Triode No. 1 | {11AR11 | 12.6 | B3-5236-4 | 0.6 | --- | C | 5300 | Pent. No. 2 |
| {10DR7 | 10.0 | EV-7608-0 | 1.3 | --- | D | Triode No. 1 | {11BQ11† | 12.6 | B3-W89X-7 | 0.6 | --- | C | 4400 | Pent. No. 1. Keep "Power Adjust" at 91V. |
| {10DR7 | 10.0 | EV-2109-0 | 18.0 | --- | C | Triode No. 2 | {11BQ11 | 12.6 | B3-5236-4 | 0.6 | --- | C | 5000 | Pent. No. 2 |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------------|-----------------|--|-----------------------------------|------|-----------|------------|-------------|-----------------|-----------|
| {11BT11† | 10.0 | B3-X2W8-6 | 1.0 | P4 | B | Pent. Sect. | {12AV6 | 12.6 | ET-1702-5 | 1.3 | P4 | E | 800 |
| {11BT11 | 10.0 | B3-5706-0 | 0.8 | P4 | D | Triode No. 1 | {12AV6 | 12.6 | ET-1602-5 | 0.0 | P1 | D | ★ |
| {11BT11 | 10.0 | B3-3904-0 | 2.0 | P4 | D | Triode No. 2 | {12AV6 | 12.6 | ET-1502-7 | 0.0 | P1 | D | ★ |
| {11CA11† | 10.0 | B3-8XW9-7 | 2.5 | P4 | C | Pent. Sect. | {12AV7 | 12.6 | EV-7608-2 | 1.2 | P4 | C | 5350 |
| {11CA11 | 10.0 | B3-6405-0 | 2.0 | P4 | D | Triode No. 1 | {12AV7 | 12.6 | EV-2103-7 | 1.2 | P4 | C | 5350 |
| {11CA11 | 10.0 | B3-3207-0 | 2.0 | P4 | D | Triode No. 2 | {12AX3† | 12.6 | B3-0407-0 | 0.0 | P3 | G | ★ |
| {11CF11† | 10.0 | B3-5346-0 | 0.4 | P4 | B | Pent. Sect. | {12AX7 | 12.6 | EV-7608-0 | 1.3 | P4 | D | 875 |
| {11CF11 | 10.0 | B3-9W08-0 | 1.4 | P4 | C | Triode No. 1 | {12AX7 | 12.6 | EV-2103-0 | 1.3 | P4 | D | 875 |
| {11CF11 | 10.0 | B3-X207-0 | 1.1 | P4 | C | Triode No. 2 | {12AY3† | 12.6 | EV-0209-0 | 0.0 | P3 | G | ★ |
| {11CY7 | 10.0 | EV-7608-0 | 1.5 | P4 | D | Triode No. 1 | {Model 539C: No Adapter Required. | | | | | | |
| {11CY7 | 10.0 | EV-2109-0 | 20.0 | P4 | C | Triode No. 2 | {12AY7 | 12.6 | EV-7608-0 | 2.0 | P4 | D | 1100 |
| {11DS5 | 12.6 | ET-1562-0 | 2.0 | P4 | C | Triode No. 1 | {12AY7 | 12.6 | EV-2103-0 | 2.0 | P4 | D | 1100 |
| {11FY7† | 10.0 | B3-WX09-0 | 1.7 | P4 | D | Triode No. 2 | {12AZ7 | 12.6 | EV-7608-0 | 1.6 | P4 | D | 2500 |
| {11FY7 | 10.0 | B3-3507-0 | 12.5 | P4 | C | Triode No. 1 | {12AZ7 | 12.6 | EV-2103-0 | 1.6 | P4 | D | 2500 |
| {11HM7 | 10.0 | EV-2781-9 | 1.0 | P4 | B | Triode No. 2 | {12B4 | 12.6 | EV-2901-0 | 15.0 | P4 | C | 6000 |
| {11JE8 | 10.0 | EV-7986-0 | 1.2 | P4 | C | Pent. Sect. | {12BA6 | 12.6 | ET-1567-2 | 1.0 | P4 | D | 2070 |
| {11JE8 | 10.0 | EV-2301-0 | 2.4 | P4 | E | Triode Sect. | {12BA7 | 12.6 | EV-7913-2 | 0.0 | P4 | D | 1070 |
| {11KV8 | 10.0 | EV-7986-0 | 1.5 | P4 | B | Pent. Sect. | {12BA7 | 12.6 | EV-2103-7 | 0.0 | P4 | C | 5000 |
| {11KV8 | 10.0 | EV-2301-0 | 1.0 | P4 | D | Triode Sect. | {12BD6 | 12.6 | ET-1567-2 | 3.0 | P4 | D | 1260 |
| {11LQ8 | 10.0 | EV-7986-0 | 1.5 | P4 | B | Triode Sect. | {12BE3† | 12.6 | B3-0W07-0 | 0.0 | P3 | G | ★ |
| {11LQ8 | 10.0 | EV-2301-0 | 1.2 | P4 | C | Triode Sect. | {12BE5 | 12.6 | ET-7562-1 | 0.0 | P4 | D | 940 |
| {11LT8 | 12.6 | EV-9321-6 | 0.4 | P4 | C | Pent. Sect. | {12BE6 | 12.6 | ET-1602-7 | 2.0 | P4 | C | 4500 |
| {11LT8 | 12.6 | EV-0607-0 | 0.0 | P1 | G | Diode No. 1 | {12BF6 | 12.6 | ET-1702-0 | 3.0 | P4 | E | 1200 |
| {11LT8 | 12.6 | EV-0807-0 | 0.0 | P1 | G | Diode No. 2 | {12BF6 | 12.6 | ET-1602-0 | 0.0 | P1 | D | ★ |
| {11LY6 | 10.0 | EV-2781-3 | 1.0 | P4 | C | Triode No. 1 | {12BF6 | 12.6 | ET-1502-0 | 0.0 | P1 | D | ★ |
| {11MS8 | 12.6 | EV-9678-0 | 18.0 | P4 | D | Pent. Sect. | {12BF11† | 12.6 | B3-8XW9-0 | 6.4 | P4 | C | 3900 |
| {11MS8 | 12.6 | EV-2103-0 | 1.0 | P4 | C | Triode Sect. | {12BF11 | 12.6 | B3-3762-5 | 2.2 | P4 | E | 375 |
| {11Y9† | 10.0 | FW-8W97-0 | 2.2 | P4 | C | Triode Sect. | {12BH7 | 12.6 | EV-7608-2 | 5.2 | P4 | D | 1950 |
| {11Y9 | 10.0 | FW-1432-0 | 1.0 | P4 | C | Pent. No. 1, Use Adapter SA-11, 1050-144, Note 7 | {12BH7 | 12.6 | EV-2103-7 | 5.2 | P4 | D | 1950 |
| {12AC10† | 12.6 | B3-9W04-0 | 1.0 | P4 | C | Pent. No. 2 | {12BN6 | 12.6 | ET-2751-6 | 0.0 | P4 | E | 250 |
| {12AC10 | 12.6 | B3-7506-0 | 1.0 | P4 | C | Triode No. 1 | {12BN6 | 12.6 | ET-6751-2 | 0.4 | P4 | D | 570 |
| {12AC10 | 12.6 | B3-X203-0 | 1.0 | P4 | C | Triode No. 2 | {12BQ6 | 12.6 | HS-5048-0 | 12.0 | P4 | C | 3500 |
| {12AE10† | 12.6 | B3-8XW9-0 | 5.8 | P4 | D | Triode No. 3 | {12BS3† | 12.6 | EV-0209-0 | 0.0 | P3 | G | ★ |
| {12AE10 | 12.6 | B3-3762-5 | 3.0 | P4 | E | Pent. No. 1 | {Model 539C: No Adapter Required. | | | | | | |
| {12AF3 | 12.6 | EV-0002-0 | 0.0 | P3 | G | Pent. No. 2 | {12BT3† | 12.6 | B3-0407-0 | 0.0 | P3 | G | ★ |
| {12AL5 | 12.6 | ET-0701-6 | 0.0 | P1 | G | Cap-P, Reverse Meter Short on D. | {12BV11† | 12.6 | B3-7W98-X | 2.0 | P4 | D | 1600 |
| {12AL5 | 12.6 | ET-0205-6 | 0.0 | P1 | G | Diode No. 1 | {12BV11 | 12.6 | B3-6345-2 | 2.0 | P4 | D | 1600 |
| {12AL11† | 12.6 | B3-8XW9-0 | 2.4 | P4 | C | Diode No. 2 | {12BY3 | 12.6 | EV-0002-0 | 0.0 | P3 | G | ★ |
| {12AL11 | 12.6 | B3-3672-4 | 3.4 | P4 | E | Pent. No. 1 | {12BY7 | 12.6 | EV-2781-3 | 1.0 | P4 | C | 5700 |
| {12AO5 | 12.6 | ET-1562-0 | 2.1 | P4 | D | Pent. No. 2 | {12BZ6 | 12.6 | ET-1562-7 | 1.2 | P4 | C | 3850 |
| {12AT6 | 12.6 | ET-1702-0 | 1.5 | P4 | E | Triode Sect. | {12C5 | 12.6 | ET-2761-0 | 1.5 | P4 | C | 5650 |
| {12AT6 | 12.6 | ET-1602-0 | 0.0 | P1 | D | Diode No. 1 | {12CA5 | 12.6 | DU-2761-0 | 0.0 | P3 | G | ★ |
| {12AT6 | 12.6 | ET-1502-0 | 0.0 | P1 | D | Diode No. 2 | {12CK3† | 12.6 | EV-0209-0 | 0.0 | P3 | G | ★ |
| {12AT7 | 12.6 | EV-7608-0 | 1.6 | P4 | D | Triode No. 1 | {Model 539C: No Adapter Required. | | | | | | |
| {12AT7 | 12.6 | EV-2103-0 | 1.6 | P4 | D | Triode No. 2 | {12CL3† | 12.6 | EV-0209-0 | 0.0 | P3 | G | ★ |
| {12AU6 | 12.6 | ET-1567-2 | 1.0 | P4 | C | Triode No. 1 | {Model 539C: No Adapter Required. | | | | | | |
| {12AU7 | 12.6 | EV-7608-0 | 3.2 | P4 | D | Triode No. 2 | {12CR6 | 12.6 | ET-7561-2 | 2.4 | P4 | D | 1400 |
| {12AU7 | 12.6 | EV-2103-0 | 3.2 | P4 | D | Multi Down Pt and Press P4 | {12CR6 | 12.6 | ET-0201-0 | 0.0 | P1 | D | ★ |
| {12AV5 | 12.6 | HS-1583-0 | 6.5 | --- | C | Triode No. 1 | | | | | | | |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS | |
|-----------------------------------|------|-----------|------------|-------|-------|-----------------|--|-----------------------------------|------|-----------|------------|-------|-------|-----------------|--|---|
| {12CS6 | 12.6 | ET-1562-7 | 0.0 | --- | P4 | D | Grid No. 1 Plate Volts=Low | {12JN8 | 12.6 | EV-9678-0 | 1.0 | --- | P4 | D | 3200 | Pent. Sect. |
| {12CS6 | 12.6 | ET-7562-1 | 0.0 | --- | P4 | D | Grid No. 3 Plate Volts=Low | {12JN8 | 12.6 | EV-1203-0 | 1.8 | --- | P4 | D | 3800 | Triode Sect. |
| 12CT3 | 12.6 | EV-0209-0 | 0.0 | 90 | P3 | G | Plate Volts=Low | {12JQ6 | 12.6 | EV-7139-6 | 25.0 | --- | P4 | D | 2900 | Pent. Sect. |
| 12CU5 | 12.6 | ET-2761-0 | 1.0 | --- | P4 | C | Hold down P1 and Press P4 | {12JQ6 | 12.6 | EV-0609-0 | 0.0 | 0 | P1 | G | ★ | Diode Sect. |
| 12CU6 | 12.6 | HS-5048-0 | 12.0 | --- | P4 | C | Cap=P | {12JQ6† | 12.6 | B3-5032-4 | 25.0 | --- | P4 | C | 3150 | Cap=P |
| 12D4 | 12.6 | HY-0503-0 | 0.0 | 86 | P3 | G | Cap=P | {12JT6† | 12.6 | EV-2973-6 | 22.0 | --- | P4 | C | 4100 | Use Adapter SA-4, 1050-144, Note 7 |
| 12DB5 | 12.6 | EV-3912-0 | 1.5 | --- | P4 | C | Hold down P1 and Press | {Model 539C: No Adapter Required. | | | | | | | | |
| {12DJ8 | 12.6 | EV-7608-0 | 3.0 | --- | P4 | C | Hold down P1 and Press | {12K8 | 12.6 | HS-5348-6 | 1.1 | --- | P4 | D | 630 | Hex. Sect. Cap=G |
| {12DJ8 | 12.6 | EV-2103-0 | 3.0 | --- | P4 | C | Triode No. 1 | {12K8 | 12.6 | HS-5608-4 | 2.0 | --- | P4 | D | 1900 | Triode Sect. |
| 12DM4 | 12.6 | HY-0503-0 | 0.0 | 87 | P3 | G | Triode No. 2 | {12MD8† | 12.6 | EV-6307-0 | 4.0 | --- | P4 | D | 2300 | Triode No. 1, Use Adapter SA-4, 1050-144, Note 7 |
| 12DM5 | 12.6 | ET-2761-0 | 1.5 | --- | P4 | C | | {12MD8 | 12.6 | EV-8207-0 | 4.0 | --- | P4 | D | 2300 | Triode No. 2 |
| 12DQ6 | 12.6 | HS-5048-0 | 0.0 | --- | P4 | C | Hold down P1 and Press P4 | {12MD8 | 12.6 | EV-9107-0 | 4.0 | --- | P4 | D | 2300 | Triode No. 3 |
| 12DT5 | 12.6 | EV-3917-0 | 4.4 | --- | P4 | C | Cap=P | {Model 539C: No Adapter Required. | | | | | | | | |
| {12DT6 | 12.6 | ET-1562-7 | 3.4 | --- | P4 | C | Plate Volts=Low | {12MN8† | 12.6 | B3-8603-0 | 1.0 | --- | P4 | C | 1200 | Triode No. 1 |
| {12DT6 | 12.6 | ET-7562-1 | 1.8 | --- | P4 | E | Grid No. 1 | {12MN8 | 12.6 | B3-W403-0 | 1.0 | --- | P4 | C | 1200 | Triode No. 2 |
| {12DT7 | 12.6 | EV-7608-0 | 1.3 | --- | P4 | D | Grid No. 3, Hold down P1 and Press P4 | {12MN8 | 12.6 | B3-X203-0 | 1.0 | --- | P4 | C | 1200 | Triode No. 3 |
| {12DT7 | 12.6 | EV-2103-0 | 1.3 | --- | P4 | D | Triode No. 1 | {12R-LL5 | 12.6 | EV-7608-0 | 3.7 | --- | P4 | D | 1640 | Triode No. 1 |
| {12DT8 | 12.6 | EV-7608-9 | 1.6 | --- | P4 | D | Triode No. 2 | {12R-LL5 | 12.6 | EV-2103-0 | 3.7 | --- | P4 | D | 1640 | Triode No. 2 |
| {12DT8 | 12.6 | EV-2103-9 | 1.6 | --- | P4 | D | Triode No. 2 | {12SN7 | 12.6 | HY-4506-2 | 3.7 | --- | P4 | D | 1640 | Triode No. 1 |
| {12DW4† | 12.6 | EV-0209-0 | 0.0 | 82 | P3 | G | Use Adapter SA-4, 1050-144, Note 7 | {12SN7 | 12.6 | HY-1203-5 | 3.7 | --- | P4 | D | 1640 | Triode No. 2 |
| {Model 539C: No Adapter Required. | | | | | | | | {12T10† | 12.6 | B3-8XW9-0 | 2.2 | --- | P4 | C | 3800 | Pent. No. 1 |
| {12DW7 | 12.6 | EV-7608-0 | 1.3 | --- | P4 | D | Triode No. 1 | {12T10 | 12.6 | B3-3762-5 | 1.6 | --- | P4 | E | 375 | Pent. No. 2 |
| {12DW7 | 12.6 | EV-2103-0 | 4.8 | --- | P4 | D | Triode No. 2 | 12V6 | 12.6 | HS-5348-0 | 3.3 | --- | P4 | D | 2600 | |
| 12DZ6 | 12.6 | ET-2657-1 | 0.0 | --- | P1 | B | Make no gas test | 12W6 | 12.6 | HS-5348-0 | 1.5 | --- | C | 5650 | Hold Down P1 and Press P4 | |
| {12FQ8 | 12.6 | EV-7809-0 | 0.8 | --- | P4 | E | Triode No. 1 Plate No. 1 | {12X4 | 12.6 | ET-0607-1 | 0.0 | 85 | G | ★ | Plate No. 1 | |
| {12FQ8 | 12.6 | EV-7609-0 | 0.8 | --- | P4 | E | Triode No. 1 Plate No. 2 | {12X4 | 12.6 | ET-0107-6 | 0.0 | 85 | G | ★ | Plate No. 2 | |
| {12FQ8 | 12.6 | EV-2309-0 | 0.8 | --- | P4 | E | Triode No. 2 Plate No. 1 | {13CW4† | 12.6 | DR-4208-0 | 0.5 | --- | C | 5000 | Plate=Low, Use Adapter SA-3, 1050-144, Note 7 | |
| {12FQ8 | 12.6 | EV-2109-0 | 0.8 | --- | P4 | E | Triode No. 2 Plate No. 2 | {Model 539C: No Adapter Required. | | | | | | | | |
| 12FX5 | 12.6 | ET-2761-0 | 3.0 | --- | P4 | C | | {13CW4 | 12.6 | 13-4208-0 | 0.5 | --- | P4 | C | 5000 | Plate Volts=Low |
| {12G11† | 12.6 | B3-8XW9-0 | 1.8 | --- | P4 | D | Pent. No. 1 | {13DE7 | 12.6 | EV-7608-0 | 5.0 | --- | P4 | E | 1260 | Triode No. 1 |
| {12G11 | 12.6 | B3-3672-4 | 3.0 | --- | P4 | E | Pent. No. 2 | {13DE7 | 12.6 | EV-2109-0 | 19.0 | --- | P4 | C | 3800 | Triode No. 2 |
| 12GC6 | 12.6 | HS-5083-0 | 15.0 | --- | P4 | C | Cap=P | {13DR7 | 12.6 | EV-7608-0 | 1.3 | --- | P4 | D | 1000 | Triode No. 1 |
| 12GE5† | 12.6 | B3-X72W-0 | 15.0 | --- | P4 | C | | {13DR7 | 12.6 | EV-2109-0 | 18.0 | --- | P4 | C | 4100 | Triode No. 2 |
| {12GJ5† | 12.6 | EV-6073-0 | 5.3 | --- | --- | C | Cap=P, Hold Down P1 and Press P4, Use Adapter SA-4, 1050-144, Note 7 | {13EM7 | 12.6 | HY-4506-0 | 1.6 | --- | P4 | D | 1000 | Triode No. 1 |
| {Model 539C: No Adapter Required. | | | | | | | | {13EM7 | 12.6 | HY-1203-0 | 17.0 | --- | P4 | C | 6000 | Triode No. 2 |
| 12GN7 | 12.6 | EV-2781-9 | 0.6 | --- | P4 | B | Hold Down P1 and Press P4, Use Adapter SA-4, 1050-144, Note 7 | {13FD7 | 12.6 | EV-7608-0 | 0.8 | --- | P4 | E | 1000 | Triode No. 1 |
| {12GT5† | 12.6 | EV-6973-0 | 5.3 | --- | --- | C | | {13FD7 | 12.6 | EV-2109-0 | 17.0 | --- | P4 | C | 4700 | Triode No. 2 |
| {Model 539C: No Adapter Required. | | | | | | | | {13FM7† | 12.6 | B3-WX09-0 | 2.6 | --- | P4 | E | 600 | Triode No. 1 |
| 12GV5† | 12.6 | B3-90XW-0 | 14.0 | --- | P4 | C | Cap=P | {13FM7 | 12.6 | B3-8507-0 | 16.0 | --- | P4 | C | 4500 | Triode No. 2 |
| 12GW6 | 12.6 | HS-5048-0 | 0.0 | --- | P4 | C | Cap=P, Plate Volts=Low | {13GF7† | 12.6 | EV-9801-0 | 2.0 | --- | P4 | E | 600 | Triode No. 1, Use Adapter SA-4, 1050-144, Note 7 |
| 12H-B25 | 12.6 | EV-2079-8 | 12.0 | --- | P4 | C | Cap=P, Plate Volts=Low | {13GF7 | 12.6 | EV-2603-0 | 16.0 | --- | P4 | C | 5000 | Triode No. 2 |
| {12HE7† | 12.6 | B3-95X8-0 | 15.0 | --- | P4 | C | Use Adapter SA-8, 1050-168 | {Model 539C: No Adapter Required. | | | | | | | | |
| {12HE7 | 12.6 | B3-0204-0 | 0.0 | 89 | P3 | G | Pent. Sect. | {13J10† | 12.6 | B3-7468-5 | 0.0 | --- | P4 | E | 250 | Pent. No. 1, Plate Volts=Low |
| 12HG7 | 12.6 | EV-2781-3 | 1.0 | --- | P4 | B | Diode Sect. | {13J10 | 12.6 | B3-X923-0 | 2.6 | --- | P4 | C | 4300 | Pent. No. 2 |
| 12HL5 | 12.6 | EV-2793-0 | 3.0 | --- | P4 | C | | {13JZ8† | 12.6 | B3-7489-0 | 7.6 | --- | P4 | C | 4050 | Pent. Sect. |
| 12HL7 | 12.6 | EV-2781-3 | 2.3 | --- | P4 | C | | {13JZ8 | 12.6 | B3-W20X-0 | 5.0 | --- | P4 | E | 1150 | Triode Sect. |
| {12JB6† | 12.6 | EV-2013-9 | 5.3 | --- | --- | C | Cap=P, Hold Down P1 and Press P4, Use Adapter SA-4, 1050-144, Note 7 | {13V10† | 12.6 | B3-8XW9-0 | 3.4 | --- | P4 | C | 3100 | Pent. No. 1 Plate Volts=Low |
| {Model 539C: No Adapter Required. | | | | | | | | {13V10 | 12.6 | B3-3762-5 | 2.8 | --- | P4 | E | 450 | Pent. No. 2 |
| 12JF5† | 12.6 | B3-3024-0 | 0.0 | --- | P4 | C | Cap=P, Plate Volts=Low | {13Z10† | 12.6 | B3-7468-5 | 0.0 | --- | P4 | E | 250 | Pent. No. 1, Plate Volts=Low |
| 12JN6† | 12.6 | B3-X732-4 | 12.0 | --- | P4 | C | Cap=P, Plate Volts=Low | {13Z10 | 12.6 | B3-X923-0 | 2.6 | --- | P4 | C | 4300 | Pent. No. 2 |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS |
|-----------------------------------|------|-----------|------------|-------|-------|-----------------|---|
| {14BL11† | 12.6 | B3-X2W8-0 | 1.4 | --- | P4 | C | Pent. Sect. |
| 14BL11 | 12.6 | B3-5706-0 | 0.6 | --- | P4 | C | Triode No. 1 |
| 14BL11 | 12.6 | B3-3904-0 | 2.0 | --- | P4 | C | Triode No. 2 |
| 14BR11† | 12.6 | B3-2X34-0 | 0.5 | --- | P4 | C | Pent. Sect. |
| 14BR11 | 12.6 | B3-8605-0 | 1.0 | --- | P4 | C | Triode No. 1 |
| 14BR11 | 12.6 | B3-W907-0 | 1.0 | --- | P4 | C | Triode No. 2 |
| 14GT8 | 12.6 | B3-8907-0 | 0.5 | --- | P4 | C | Triode Sect. |
| 14GT8 | 12.6 | EV-0601-0 | 0.0 | 0 | P1 | G | Diode No. |
| 14GT8 | 12.6 | EV-0203-0 | 0.0 | 0 | P1 | G | Diode No. |
| 14JG8 | 12.6 | EV-8907-0 | 1.0 | --- | P4 | E | Triode Sect. |
| 14JG8 | 12.6 | EV-0601-0 | 0.0 | 0 | P1 | G | Diode No. 1 |
| 14JG8 | 12.6 | EV-0203-0 | 0.0 | 0 | P1 | G | Diode No. 2 |
| 15AF11† | 12.6 | B3-X2W9-0 | 2.0 | --- | P4 | C | Pent. Sect. Set "Power Adjust" to 118 Volts |
| 15AF11 | 12.6 | B3-6805-0 | 1.2 | --- | P4 | C | Triode No. 1 |
| 15AF11 | 12.6 | B3-3407-0 | 1.5 | --- | P4 | D | Triode No. 2 |
| 15BD11† | 12.6 | B3-X2W9-0 | 2.8 | --- | P4 | C | Pent. Sect. Set "Power Adjust" to 112 Volts |
| 15BD11 | 12.6 | B3-6805-0 | 1.1 | --- | P4 | C | Triode No. 1 |
| 15BD11 | 12.6 | B3-3407-0 | 2.0 | --- | P4 | D | Triode No. 2 |
| 15CW5 | 12.6 | EV-2793-0 | 8.0 | --- | P4 | C | Set "Power Adjust" at 114V. |
| 15EW7 | 12.6 | EV-7608-0 | 6.4 | --- | P4 | E | Triode No. 1. Keep "power Adjust" at 112V. |
| 15EW7 | 12.6 | EV-2109-0 | 17.5 | --- | P4 | C | Triode No. 2 |
| 15FM7† | 12.6 | B3-WX09-0 | 2.6 | --- | P4 | E | Triode No. 1 |
| 15FM7 | 12.6 | B3-8507-0 | 16.0 | --- | P4 | C | Triode No. 2 |
| 15FY7† | 12.6 | B3-WX09-0 | 2.8 | --- | P4 | E | Triode No. 1. Set "Power Adjust" to 118 Volts |
| 15FY7 | 12.6 | B3-3507-0 | 30.0 | --- | P4 | C | Triode No. 2 |
| 15HA6 | 12.6 | EV-2761-3 | 1.2 | --- | P4 | C | Set "Power Adjust" to 110V. |
| 15HB6 | 12.6 | EV-2781-9 | 1.0 | --- | P4 | B | Keep Power Adjusted at 112V. |
| 15KY8† | 20.0 | EV-2673-0 | 3.6 | --- | P4 | D | Set "Power Adjust" at 114V. Use Adapter SA-4, 1050-144. Note 7 |
| 15KY8 | 20.0 | EV-9801-0 | 0.2 | --- | P4 | E | Triode Sect. |
| {Model 539C: No Adapter Required. | | | | | | | |
| 15LE8 | 12.6 | EV-9883-7 | 1.0 | --- | P4 | E | Pent. Sect. at 114V |
| 15LE8 | 12.6 | EV-9183-2 | 1.0 | --- | P4 | E | Pent. No. 2 |
| 15MF8† | 12.6 | B3-7489-0 | 4.0 | --- | P4 | C | Pent. Sect. |
| 15MF8 | 12.6 | B3-W20X-0 | 2.4 | --- | P4 | D | Set "Power Adjust" to 118V. |
| 15MX8† | 20.0 | EV-2673-0 | 3.6 | --- | P4 | D | Triode Sect. Set "Power Adjust" at 114V. Use Adapter SA-4, 1050-144. Note 7 |
| 15MX8 | 20.0 | EV-9801-0 | 0.2 | --- | P4 | E | Triode Sect. |
| {Model 539C: No Adapter Required. | | | | | | | |
| 16AK9† | 20.0 | B3-8597-0 | 3.3 | --- | P4 | D | Pent. Sect. Set "Power Adjust" to 80V. |
| 16AK9 | 20.0 | B3-WX07-0 | 1.1 | --- | P4 | D | Triode No. 1 |
| 16AK9 | 20.0 | B3-3207-0 | 3.2 | --- | P4 | E | Triode No. 2 |
| 16BQ11† | 20.0 | B3-W89X-7 | 0.6 | --- | P4 | C | Pent. No. 1. Set "Power Adjust" to 90V |
| 16BQ11 | 20.0 | B3-5236-4 | 0.6 | --- | P4 | C | Set "Power Adjust" to 90V |
| 16BX11† | 20.0 | B3-2X3W-0 | 0.6 | --- | P4 | C | Pent. Sect. |
| 16BX11 | 20.0 | B3-8709-0 | 0.6 | --- | P4 | C | Triode No. 1 |
| 16BX11 | 20.0 | B3-5604-0 | 0.7 | --- | P4 | C | Triode No. 2 |
| 16GK6 | 12.6 | EV-2781-3 | 1.0 | --- | P4 | C | Set "Power Adjust" at 118 Volts |
| 16GY5† | 20.0 | B3-90XW-0 | 10.0 | --- | P4 | C | Cap-P. Set "Power Adjust" at 80V. |
| 16HB5† | 20.0 | B3-X72W-0 | 3.2 | --- | P4 | C | Set "Power Adjust" at 80V. |
| 16JV6† | 20.0 | B3-X732-W | 15.0 | --- | P4 | C | Set "Power Adjust" at 84V. |
| 16KA6† | 20.0 | B3-503W-A | 17.0 | --- | P4 | C | Cap-P. Keep "Power Adjust" at 84V. |
| {16LU8† | 20.0 | B3-6489-0 | 10.0 | --- | P4 | C | Pent. Sect. |
| {16LU8 | 20.0 | B3-W20X-0 | 3.6 | --- | P4 | E | Set "Power Adjust" to 84V |
| {16MY8† | 20.0 | B3-6489-0 | 10.0 | --- | P4 | C | Triode Sect. |
| {16MY8 | 10.0 | B3-W20X-0 | 3.6 | --- | P4 | E | Set "Power Adjust" to 84V. |
| {16Y9† | 20.0 | FW-8W97-0 | 1.4 | --- | P4 | C | Pent. No. 1. Set "Power Adjust" at 90V. Use Adapter SA-11, 1050-177. Note 7 |
| {16Y9 | 20.0 | FW-1432-0 | 0.5 | --- | P4 | C | Pent. No. 2. Set "Power Adjust" at 90V |
| {17AB9† | 20.0 | FW-978W-0 | 1.5 | --- | P4 | C | Tetrode No. 1. Set "Power Adjust" at 85V. Use Adapter SA-11, 1050-177. Note 7 |
| {17AB9 | 20.0 | FW-3124-0 | 1.5 | --- | P4 | C | Tetrode No. 2. Set "Power Adjust" at 85V. |
| {17AB10† | 20.0 | B3-7468-5 | 0.0 | --- | P4 | E | Limiter Grid. Plate Volts=Low To Test Position |
| {17AB10 | 20.0 | B3-5468-7 | 0.8 | --- | P4 | D | Quadrature Grid. Plate Volts=Low |
| {17AB10 | 20.0 | B3-X923-0 | 8.0 | --- | P4 | C | Pent. No. 2. Plate Volts=Normal |
| 17AX3† | 20.0 | B3-0407-0 | 0.0 | 88 | P3 | G | Set "Power Adjust" to 80 Volts |
| 17AX4 | 20.0 | JX-0503-0 | 0.0 | 84 | P3 | G | Set "Power Adjust" at 80V. |
| {17AY3† | 20.0 | EV-0209-0 | 0.0 | 84 | P3 | G | Set "Power Adjust" at 84V. Use Adapter SA-4, 1050-144. Note 7 |
| {Model 539C: No Adapter Required. | | | | | | | |
| 17BE3† | 20.0 | B3-0W07-0 | 0.0 | 91 | P3 | G | Set "Power Adjust" to 80 Volts |
| {17BF11† | 20.0 | B3-8XW9-0 | 4.8 | --- | P4 | C | Pent. No. 1. Set "Power Adjust" to 80 Volts |
| {17BF11 | 20.0 | B3-3762-5 | 1.2 | --- | P4 | E | Pent. No. 2 |
| {17BH3† | 20.0 | EV-0209-0 | 0.0 | 84 | P3 | G | Set "Power Adjust" at 84V. Use Adapter SA-4, 1050-144. Note 7 |
| {Model 539C: No Adapter Required. | | | | | | | |
| 17BQ6 | 20.0 | HS-5048-0 | 18.0 | --- | P4 | D | Keep Power Adjusted at 80V. Cap-P. |
| {17BS3† | 20.0 | EV-0209-0 | 0.0 | 80 | P3 | G | Set "Power Adjust" at 84V. Use Adapter SA-4, 1050-144. Note 7 |
| {Model 539C: No Adapter Required. | | | | | | | |
| 17BW3† | 20.0 | B3-0407-0 | 0.0 | 87 | P3 | G | Tetrode No. 1. Set Power Adjust to 80 Volts. |
| 17BZ3† | 20.0 | B3-0W07-0 | 0.0 | 17 | P1 | G | Tetrode No. 2 |
| 17C5 | 20.0 | ET-2761-0 | 1.5 | --- | P3 | G | Set "Power Adjust" at 84V |
| {17C9† | 20.0 | EV-7986-0 | 1.2 | --- | P4 | C | Keep "Power Adjust" at 80V. Hold down P1. Press P4. |
| {17C9 | 20.0 | EV-132W-0 | 1.2 | --- | P4 | D | Adjust to 80 Volts. |
| {17CK3† | 20.0 | EV-0209-0 | 0.0 | 90 | P3 | G | Set "Power Adjust" at 90V. Use Adapter SA-4, 1050-144. Note 7 |
| {Model 539C: No Adapter Required. | | | | | | | |
| 17CL3† | 20.0 | EV-0209-0 | 0.0 | 90 | P3 | G | Set "Power Adjust" at 90V. Use Adapter SA-4, 1050-144. Note 7 |
| {Model 539C: No Adapter Required. | | | | | | | |
| 17CT3 | 20.0 | EV-0209-0 | 0.0 | 92 | P3 | G | Set "Power Adjust" at 80V. |
| 17CU5 | 20.0 | ET-2761-0 | 7.6 | --- | P4 | D | Keep power adjusted at 80V. |
| 17D4 | 20.0 | HY-0503-0 | 0.0 | 86 | P3 | G | Keep power adjusted at 80V. |
| 17DE4 | 20.0 | HY-0503-0 | 0.0 | 87 | P3 | G | Keep power adjusted at 90V. |
| 17DM4 | 20.0 | HY-0503-0 | 0.0 | 87 | P3 | G | Set "Power Adjust" at 90V. Use Adapter SA-4, 1050-144 |
| {17DW4† | 20.0 | EV-0209-0 | 0.0 | 90 | P3 | G | Cap-P. Keep power adjusted at 80 V. |
| {Model 539C: No Adapter Required. | | | | | | | |
| 17DQ6 | 20.0 | HS-5048-0 | 5.0 | --- | P4 | C | Set "Power Adjust" at 80 Volts |
| 17GE5† | 20.0 | B3-X72W-0 | 2.0 | --- | --- | C | Hold down P1 and Press P4 |
| {17GJ5† | 20.0 | EV-6073-0 | 5.3 | --- | --- | C | Cap-P. Hold Down P1 and Press P4 |
| {Model 539C: No Adapter Required. | | | | | | | |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | PRESS | MIN. MUT. COND. | NOTATIONS |
|--------------|----------------------|-----------|------------|-------------|-------|-----------------|---|--------------|----------------------|-----------|------------|-------------|-------|-----------------|----------------------------|
| {17GT5† | 20.0 | EV-6973-0 | 5.3 | --- | --- | C 4400 | Hold Down P1 and Press P4 Set "Power Adjust" at 84V. Use Adapter SA-4, 1050-144. Note 7 | 19DE3† | 20.0 | B3-0004-0 | 0.0 | 90 | P3 | G | Cap-P. Reverse Meter |
| {Model 539C: | No Adapter Required. | | | | | | | 19DK3† | 20.0 | EV-0002-0 | 0.0 | 90 | P3 | G | Cap-P. Reverse Meter |
| 17GV5† | 20.0 | B3-90XW-0 | 14.0 | --- | --- | C 4600 | Cap-P. Set "Power Adjust" at 85 Volts Hold down P1 and Press P4 | 19DQ3† | 20.0 | B3-0407-0 | 0.0 | 90 | P3 | G | Cap = P |
| 17GW6 | 20.0 | HS-5048-0 | 5.0 | --- | P4 | C 2500 | Cap-P. | {19EA8 | 20.0 | EV-2637-0 | 1.1 | --- | P4 | D | 3100 Pent. Sect. |
| 17H3 | 20.0 | EV-0301-0 | 0.0 | 82 | P3 | G ★ | Keep Power adjusted at 84V. | {19EA8 | 20.0 | EV-9108-0 | 0.8 | --- | P4 | C | 5250 Triode Sect. |
| 17H-B25 | 20.0 | EV-2079-8 | 12.0 | --- | P4 | C 4100 | Cap-P. Use Adapter SA-8, 1050-168 | {19EZ8 | 20.0 | EV-9800-0 | 1.2 | --- | P4 | D | 1950 Triode No. 1 |
| {17JB6† | 20.0 | EV-2013-8 | 5.3 | --- | --- | C 4400 | Set "Power Adjust" to 50V Cap-P. Hold Down P1 and Press P4 | {19EZ8 | 20.0 | EV-7600-0 | 1.2 | --- | P4 | D | 1950 Triode No. 2 |
| {Model 539C: | No Adapter Required. | | | | | | Adapter SA-4, 1050-144. Note 7 | {19FX5 | 20.0 | ET-2301-0 | 1.6 | --- | P4 | D | 2050 Triode No. 3 |
| 17JF6† | 20.0 | EV-2073-8 | 6.0 | --- | --- | C 5900 | Cap-P. Hold Down P1 and Press P4 | {19GQ7 | 20.0 | ET-2761-0 | 3.0 | 0 | P1 | C | Diode No. 1 |
| {Model 539C: | No Adapter Required. | | | | | | Use Adapter SA-4, 1050-144. Note 7 | {19GQ7 | 20.0 | EV-0809-0 | 0.0 | 0 | P1 | G | Diode No. 2 |
| 17JG6A† | 20.0 | EV-2973-6 | 6.0 | --- | --- | C 5900 | Hold Down P1 and Press P4 | {19HR6 | 20.0 | EV-0607-0 | 0.0 | 0 | P1 | G | Diode No. 3 |
| {Model 539C: | No Adapter Required. | | | | | | Adapter SA-4, 1050-144. Note 7 | 19HS6 | 20.0 | ET-1567-2 | 1.4 | --- | P4 | C | 3200 |
| 17JM6† | 20.0 | B3-5032-W | 12.0 | --- | P4 | C 4100 | Cap-P. Set "Cath. Act" | {19HV8 | 20.0 | EV-9678-0 | 0.9 | --- | P4 | C | 3300 |
| 17JN6† | 20.0 | B3-X732-4 | 12.0 | --- | P4 | C 4100 | Switch to Test Pos. Set Cath. Act Switch to Test Pos. | {19HV8 | 20.0 | EV-1567-2 | 1.8 | --- | P4 | C | 3500 |
| {17JQ6 | 20.0 | EV-7139-6 | 25.0 | --- | P4 | D | Pent. Sect. | {19JN8 | 20.0 | EV-1203-0 | 1.0 | --- | P4 | D | 800 Pent. Sect. |
| {17JQ6 | 20.0 | EV-0609-0 | 0.0 | 0 | P1 | G ★ | Set "Power Adjust" to 84V. Diode Sect. | {19JN8 | 20.0 | EV-9678-0 | 1.8 | --- | P4 | D | 3200 Pent. Sect. |
| {17JR6† | 20.0 | EV-2913-6 | 21.5 | --- | P4 | D | Set "Cath. Act" Switch to Test Pos. Use Adapter SA-4, 1050-144. Note 7 | {19KG8 | 20.0 | EV-1203-0 | 1.0 | --- | P4 | C | 3150 Pent. Sect. |
| {Model 539C: | No Adapter Required. | | | | | | Set "Cath. Act" Switch to Test Pos. Use Adapter SA-4, 1050-144. Note 7 | {19KG8 | 20.0 | EV-2103-0 | 1.6 | --- | P4 | C | 4400 Triode Sect. |
| 17JT6† | 20.0 | EV-2973-6 | 22.0 | --- | P4 | C 4100 | Set "Power Adjust" to 84V. Diode Sect. | {19M-R9 | 20.0 | ET-1567-2 | 1.8 | --- | P4 | E | 1100 |
| {Model 539C: | No Adapter Required. | | | | | | Adapter SA-4, 1050-144. Note 7 | {19O9† | 20.0 | EV-132W-6 | 1.4 | --- | P4 | C | 2850 Pent. Sect. |
| 17JZ8† | 20.0 | B3-7489-0 | 7.4 | --- | P4 | C 2750 | Pent. Sect. Set "Power Adjust" at 84V. | {19O9 | 20.0 | EV-8907-6 | 1.4 | --- | P4 | C | 4400 Triode Sect. |
| 17JZ8 | 20.0 | B3-W20X-0 | 4.8 | --- | P4 | E 725 | Triode Sect. | {19X8 | 20.0 | EV-7986-1 | 1.2 | --- | P4 | C | 2900 Pent. Sect. |
| {17KV6† | 20.0 | EV-2913-6 | 23.0 | --- | P4 | D | Set "Power Adjust" at 94V. Use Adapter SA-4, 1050-144 Note 7 | {19X8 | 20.0 | EV-2306-1 | 2.0 | --- | P4 | C | 3650 Triode Sect. |
| {Model 539C: | No Adapter Required. | | | | | | Adapter SA-4, 1050-144. Note 7 | 20AO3 | 20.0 | EV-0009-0 | 0.0 | 89 | P3 | G ★ | Cap-P. Reverse Meter |
| 17LD8† | 20.0 | EV-2673-0 | 7.5 | --- | P4 | D 2500 | Pent. Sect. Set "Power Adjust" to 87V. Use Adapter SA-4, 1050-144. Note 7 | {20EW7 | 20.0 | EV-7608-0 | 5.4 | --- | P4 | E | 1200 Triode No. 1 |
| 17LD8 | 20.0 | EV-9801-0 | 4.4 | --- | P4 | E 800 | Triode Sect. | {20EW7 | 20.0 | EV-2109-0 | 17.0 | --- | P4 | C | 5000 Triode No. 2 |
| {Model 539C: | No Adapter Required. | | | | | | | {20EZ7 | 20.0 | CR-8709-0 | 1.3 | --- | P4 | D | 875 Triode No. 1 |
| 17X10† | 20.0 | B3-7468-5 | 0.0 | --- | P4 | E 250 | Limiting Grid. Plate Volts-Low Set "Cath. Act" Switch to Test Position | {20EZ7 | 20.0 | CR-5604-0 | 1.3 | --- | P4 | D | 875 Triode No. 2 |
| 17X10 | 20.0 | B3-5468-7 | 0.8 | --- | P4 | D | Quadrature Grid. Plate Volts-Low Pent. No. 2 | 20LF6† | 20.0 | B3-5032-4 | 23.0 | --- | P4 | C | 5200 Cap = P |
| 17X10 | 20.0 | B3-X923-0 | 8.0 | --- | P4 | C 3100 | Plate Volts-Normal | 21GY5† | 20.0 | B3-507W-0 | 17.0 | --- | P4 | C | 4800 Cap = P |
| 18A5 | 20.0 | HS-1583-0 | 13.0 | --- | P4 | D | Set Cath. Act. sw. to Test pos | 21HB5† | 20.0 | B3-X72W-0 | 3.2 | --- | P4 | C | 4250 |
| {18AJ10† | 20.0 | B3-8XW9-0 | 5.6 | --- | P4 | D | Pent. No. 1 | 21HD5† | 20.0 | B3-X79W-0 | 15.0 | --- | P4 | C | 4500 |
| {18AJ10 | 20.0 | B3-3762-5 | 2.0 | --- | P4 | F 300 | Pent. No. 2 | 21HJ5† | 20.0 | B3-X792-W | 16.0 | --- | P4 | C | 4500 |
| 18FW6 | 20.0 | ET-1567-2 | 2.2 | --- | P4 | D 1500 | Set Cath. Act. Switch to test pos. | 21JS6A† | 20.0 | B3-5032-4 | 25.0 | --- | P4 | C | 3150 Cap = P |
| {18FX6 | 20.0 | ET-1562-7 | 0.8 | --- | P4 | E 600 | Ampl. Sect. Set Cath. Act. Switch to test pos. | 21JV6† | 20.0 | B3-5032-W | 15.0 | --- | P4 | C | 4700 |
| {18FX6 | 20.0 | ET-1602-7 | 2.6 | --- | P4 | C 3600 | Use Adapter SA-4, 1050-144. Switch to test pos. | 21JZ6† | 20.0 | B3-5032-4 | 16.0 | --- | P4 | C | 4400 |
| 18FY6 | 20.0 | ET-1702-0 | 1.4 | --- | P4 | D 700 | Switch to test pos. | 21KA6† | 20.0 | B3-503W-4 | 17.0 | --- | P4 | C | 4100 |
| 18FY6 | 20.0 | ET-0602-0 | 0.0 | --- | P1 | D ★ | Triode Sect. Set Cath. Act. Switch to test pos. | 21KG6 | 20.0 | EV-8039-2 | 7.0 | --- | P4 | C | 5700 Cap-P. Plate Volt-Low |
| 18FY6 | 20.0 | ET-0502-0 | 0.0 | --- | P1 | D ★ | Diode No. 1 | 21LG6† | 20.0 | B3-50X4-0 | 20.0 | --- | P4 | C | 5650 Cap = P |
| 18GB5 | 20.0 | EV-2078-9 | 16.0 | --- | P4 | C 5000 | Cap-P. Use Adapter SA-8, 1050-168 | {21LR8† | 20.0 | EV-2673-0 | 10.0 | --- | P4 | C | 3500 Pent. Sect. |
| 18GD6A | 20.0 | ET-1567-2 | 1.8 | --- | P4 | E 1100 | Model 539C: No Adapter Required. | {21LR8 | 20.0 | EV-9801-0 | 3.6 | --- | P4 | E | 650 Triode Sect. |
| 19AQ5 | 20.0 | ET-1562-0 | 2.1 | --- | P4 | D 2600 | Model 539C: No Adapter Required. | {Model 539C: | No Adapter Required. | | | | | | |
| 19AU4 | 20.0 | HY-0503-0 | 0.0 | 91 | P3 | D ★ | Diode No. 1 | {21LU8† | 20.0 | B3-6489-0 | 10.0 | --- | P4 | C | 3500 Pent. Sect. |
| 19CG3† | 20.0 | B3-0407-0 | 0.0 | 90 | P3 | G ★ | Diode No. 2 | {21LU8 | 20.0 | B3-W20X-0 | 3.6 | --- | P4 | C | 650 Triode Sect. |
| {19CL8A | 20.0 | EV-9678-0 | 1.8 | --- | P4 | D 2500 | Cap-P. Use Adapter SA-8, 1050-168 | {21MY8 | 20.0 | B3-3024-0 | 10.0 | --- | P4 | C | 650 Triode Sect. |
| {19CL8A | 20.0 | EV-1203-0 | 0.7 | --- | P4 | C 5000 | Pent. Sect. Triode Sect. | {22BH3† | 20.0 | B3-6489-0 | 3.6 | --- | P4 | E | 650 Triode Sect. |
| | | | | | | | | {Model 539C: | No Adapter Required. | | | | | | |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS | |
|-----------------------------------|------|-----------|------------|-------|-------|-----------------|-----------|-----------------------------------|------|-----------|------------|-------|-------|-----------------|-----------|--|
| 22BW3† | 25.0 | B3-0W07-0 | 0.0 | 87 | P3 | G | ★ | 25H-B25 | 25.0 | EV-2079-8 | 12.0 | --- | P4 | C | 4100 | Cap-P. Use Adapter SA-4, 1050-144 |
| 22DE4 | 25.0 | HY-0503-0 | 0.0 | 87 | P3 | G | ★ | 25HX5 | 25.0 | EV-7963-0 | 15.0 | --- | P4 | C | 4100 | Use Adapter SA-4, 1050-144 |
| {22JF6† | 20.0 | EV-2073-8 | 6.0 | --- | --- | C | 5900 | {25JQ6 | 25.0 | EV-7139-6 | 25.0 | --- | P4 | D | 2900 | Pent. Sect. |
| {Model 539C: No Adapter Required. | | | | | | | | {25JQ6† | 25.0 | EV-0609-0 | 0.0 | 0 | P1 | G | ★ | Diode Sect. |
| {22JG6† | 20.0 | EV-2973-6 | 6.0 | --- | --- | C | 5900 | {25JZ8† | 25.0 | B3-7489-0 | 9.3 | --- | P4 | C | 4100 | Pent. Sect. |
| {Model 539C: No Adapter Required. | | | | | | | | {25L6 | 25.0 | B3-W20X-0 | 5.2 | --- | P4 | C | 1150 | Triode Sect. |
| {22JR6† | 20.0 | EV-2913-6 | 21.5 | --- | P4 | D | 2800 | {25L6† | 25.0 | HS-5348-1 | 1.5 | 90 | P3 | G | ★ | Hold down P1 and Press P4 |
| {Model 539C: No Adapter Required. | | | | | | | | {26DQ5 | 25.0 | HY-0503-0 | 0.0 | --- | P4 | C | 3000 | Cap = P |
| {22JU6† | 20.0 | EV-2073-8 | 21.5 | --- | P4 | D | 2800 | {26HU5 | 25.0 | HS-1043-0 | 26.0 | --- | P4 | C | 7500 | Cap = P |
| {Model 539C: No Adapter Required. | | | | | | | | {26LX6† | 25.0 | HY-1032-0 | 20.0 | --- | P4 | C | 7500 | Cap = P |
| {22KM6† | 20.0 | EV-2073-8 | 20.0 | --- | P4 | C | 3000 | {27LF6† | 25.0 | B3-5032-4 | 20.0 | --- | P4 | C | 5200 | Cap = P |
| {Model 539C: No Adapter Required. | | | | | | | | {26LW6 | 25.0 | B3-5032-4 | 23.0 | --- | P4 | C | 7500 | Cap = P |
| {22KV6† | 20.0 | EV-2913-6 | 23.0 | --- | P4 | D | 2850 | {28D7 | 25.0 | HY-5032-0 | 20.0 | --- | P4 | D | 2150 | Pent. No. 1 |
| {Model 539C: No Adapter Required. | | | | | | | | {28D7† | 25.0 | JR-7536-2 | 3.5 | --- | P4 | D | 2150 | Plate Volts = Low |
| {23JS6† | 25.0 | B3-5032-4 | 25.0 | --- | P4 | C | 3150 | {28HA6 | 25.0 | JR-2436-7 | 3.5 | --- | P4 | D | 2150 | Plate Volts = Low |
| {23MB6† | 25.0 | B3-5032-4 | 17.0 | --- | P4 | C | 7500 | {28HD5† | 25.0 | EV-2761-3 | 0.8 | --- | P4 | B | 8200 | Plate Volts = Low |
| {23Z9† | 25.0 | B3-8597-0 | 7.0 | --- | P4 | C | 3400 | {29GK6 | 25.0 | EV-2781-3 | 1.0 | --- | P4 | C | 4500 | Cap = P |
| {23Z9 | 25.0 | B3-WX07-0 | 2.0 | --- | P4 | D | 2400 | {29LE6 | 25.0 | EV-8039-2 | 7.0 | --- | P4 | C | 6300 | Cap = P |
| {24BF11† | 25.0 | B3-EXW9-0 | 6.0 | --- | P4 | C | 4700 | {30AG11† | 35.0 | B3-8709-0 | 0.6 | --- | P4 | C | 4900 | Cap = P |
| {24BF11 | 25.0 | B3-3762-5 | 3.4 | --- | P4 | E | 400 | {30AG11 | 35.0 | B3-5604-0 | 0.6 | --- | P4 | C | 4900 | Cap = P |
| {24GA7† | 25.0 | B3-4735-0 | 12.0 | --- | P4 | D | 2600 | {30AG11 | 35.0 | B3-0W0X-0 | 0.0 | 0 | P1 | C | 4900 | "Power Adjust" at 84V. |
| {24GA7 | 25.0 | B3-0X08-0 | 0.0 | 77 | P3 | G | ★ | {30AG11 | 35.0 | B3-0302-0 | 0.0 | 0 | P1 | G | ★ | Triode No. 2 |
| {24JE6A† | 25.0 | EV-2073-8 | 7.0 | --- | P4 | C | 5800 | {30HJ5† | 25.0 | B3-0302-0 | 16.0 | --- | P4 | C | 4500 | Diode No. 1 |
| {Model 539C: No Adapter Required. | | | | | | | | {30JZ6† | 25.0 | B3-X792-W | 16.0 | --- | P4 | C | 4500 | Diode No. 2 |
| {24JZ8† | 25.0 | B3-7489-0 | 9.3 | --- | P4 | C | 4100 | {30KD6† | 35.0 | B3-5032-4 | 15.0 | --- | P4 | C | 4400 | Cap = P |
| {24JZ8 | 25.0 | B3-W20X-0 | 5.2 | --- | P4 | E | 1150 | {30MB6† | 35.0 | B3-5032-4 | 17.0 | --- | P4 | C | 9100 | Cap = P. Set "Power Adjust" at 87 Volts. |
| {24LQ6† | 25.0 | EV-2073-8 | 7.0 | --- | P4 | C | 5800 | {30M-P27 | 25.0 | ET-2761-0 | 18.0 | --- | P4 | C | 9100 | Cap = P. Set "Power Adjust" at 87 Volts. |
| {Model 539C: No Adapter Required. | | | | | | | | {30M-P47 | 25.0 | EV-0009-0 | 0.0 | 89 | P3 | G | ★ | Cap = P. Reverse Meter |
| {24LZ6† | 25.0 | EV-6073-8 | 25.0 | --- | P4 | C | 4300 | {31AL10† | 35.0 | B3-8457-0 | 8.0 | --- | P4 | D | 3150 | Pent. Sect. |
| {Model 539C: No Adapter Required. | | | | | | | | {31AL10 | 35.0 | B3-W90X-0 | 2.0 | --- | P4 | D | 1900 | Triode No. 1 |
| 25AV5 | 25.0 | HS-1583-0 | 6.5 | --- | P3 | G | ★ | {31AL10 | 35.0 | B3-3207-0 | 5.0 | --- | P4 | E | 1250 | Triode No. 2 |
| 25AX4 | 25.0 | HY-0503-0 | 0.0 | 89 | P4 | C | 4700 | {31JS6A† | 35.0 | B3-5032-4 | 25.0 | --- | P4 | C | 3150 | Cap = P |
| 25BK5 | 25.0 | EV-3186-0 | 0.0 | --- | P4 | C | 3500 | {31LQ6† | 35.0 | EV-2073-8 | 7.0 | --- | P4 | C | 5800 | Cap = P. Plate Volts = Low. Use Adapter SA-4, 1050-144. Note 7 |
| 25BQ6 | 25.0 | HS-5048-0 | 12.0 | --- | P4 | C | 3500 | {Model 539C: No Adapter Required. | | | Required. | --- | P4 | C | 3500 | Pent. Sect. Use Adapter SA-4, 1050-144. Note 7 |
| 25C5 | 25.0 | ET-2761-0 | 1.5 | --- | --- | C | 5650 | {31LR8† | 35.0 | EV-2673-0 | 10.0 | --- | P4 | C | 3500 | Triode Sect. |
| 25CA5 | 25.0 | DU-2761-0 | 0.0 | --- | --- | C | 5300 | {31LR8 | 35.0 | EV-9801-0 | 3.6 | --- | P4 | E | 650 | Triode Sect. |
| 25CD6 | 25.0 | HS-5083-0 | 18.0 | --- | P4 | C | 4100 | {Model 539C: No Adapter Required. | | | Required. | --- | P4 | C | 4300 | Cap = P. Use Adapter SA-4, 1050-144. Note 7 |
| 25CG3† | 25.0 | B3-0407-0 | 0.0 | 90 | P3 | G | ★ | {31LZ6 | 25.0 | EV-6073-8 | 25.0 | --- | P4 | C | 4300 | Set Cath. Act. Switch to test pen. |
| {25CK3† | 25.0 | EV-0209-0 | 0.0 | 91 | P3 | G | ★ | {Model 539C: No Adapter Required. | | | Required. | --- | P4 | D | 2600 | Pent. Sect. |
| {Model 539C: No Adapter Required. | | | | | | | | {32E15 | 35.0 | ET-2761-0 | 11.0 | --- | P4 | D | 2600 | Pent. Sect. |
| {25CM3† | 25.0 | EV-0279-0 | 0.0 | 91 | P3 | G | ★ | {32GA7† | 35.0 | B3-4735-0 | 12.0 | --- | P4 | D | 2600 | Diode Sect. |
| {Model 539C: No Adapter Required. | | | | | | | | {32GA7 | 35.0 | B3-0X08-0 | 0.0 | 77 | P3 | G | ★ | Diode Sect. |
| 25CT3 | 25.0 | EV-0209-0 | 0.0 | 90 | P3 | G | ★ | {32HQ7† | 35.0 | B3-95X8-0 | 42.0 | --- | P4 | D | 2850 | Pent. Sect. |
| 25DK3 | 25.0 | EV-0002-0 | 0.0 | 90 | P3 | G | ★ | {32HQ7 | 35.0 | B3-0204-0 | 0.0 | 10 | P1 | G | ★ | Diode Sect. |
| 25DN6 | 25.0 | HS-5083-0 | 0.0 | --- | P4 | C | 7000 | {33GT7† | 35.0 | B3-X5W8-0 | 5.2 | --- | --- | C | 4550 | Pent. Sect. Hold down P1 and Press P4 |
| 25EC6 | 25.0 | HS-5083-0 | 19.0 | --- | P4 | C | 3100 | {33GT7 | 35.0 | B3-0204-0 | 0.0 | 90 | --- | C | 4550 | Diode Sect. |
| 25EH5 | 25.0 | ET-2761-0 | 1.2 | --- | P4 | C | 6300 | {33GY7† | 35.0 | B3-W5X8-0 | 5.2 | --- | --- | C | 4550 | Pent. Sect. Hold down P1 and Press P4 |
| 25F5 | 25.0 | ET-2761-0 | 7.0 | --- | P4 | D | 2500 | {33GY7 | 35.0 | B3-0204-0 | 0.0 | 90 | --- | C | 4550 | Diode Sect. |
| 25F5A | 25.0 | ET-2761-0 | 7.0 | --- | P4 | D | 2750 | | | | | --- | --- | G | ★ | Diode Sect. |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT | PRESS | MIN. MUT. COND. | NOTATIONS | |
|-----------------------------------|------|-----------|------------|-------|-------|-----------------|--|-----------|------------------|-----------|------------|-------|-------|-----------------|-----------|--|
| {33HE7† | 35.0 | B3-95X8-0 | 15.0 | --- | P4 | C | Pent. Sect. | {58HE7† | 50.0 | B3-95X8-0 | 15.0 | --- | P4 | C | 4700 | Pent. Sect. |
| {33HE7 | 35.0 | B3-0204-0 | 0.0 | 89 | P3 | G | Diode Sect. | {58HE7 | 50.0 | B3-0204-0 | 0.0 | 89 | P3 | G | 4900 | Diode Sect. |
| {33JR6† | 35.0 | EV-2913-6 | 21.5 | --- | P4 | D | Use Adapter SA-4, 1050-144, Note | {60FX5 | 50.0 | ET-2761-0 | 3.0 | --- | P4 | C | 4900 | |
| {Model 539C: No Adapter Required. | | | | | | | | {60HL5 | 50.0 | EV-2793-0 | 6.4 | --- | P4 | B | 7600 | Set "Power Adjust" to 114V |
| {33JV6† | 35.0 | B3-X732-W | 15.0 | --- | P4 | C | Short on 4. Use Adapter SA-4, 1050-144, Note 7 | {KT66 | 6.3 | HS-5348-1 | 3.0 | --- | P4 | C | 3150 | |
| {34CD3† | 35.0 | B3-0W07-0 | 0.0 | 90 | P3 | G | Cap=P. Reverse Meter | {80 | 5.0 | ER-0300-0 | 0.0 | 80 | P3 | G | 4700 | Plate No. 1 |
| {34CE3† | 35.0 | B3-0407-0 | 0.0 | 91 | P3 | G | Hold down P1 and Press P4 | {80 | 5.0 | ER-0200-0 | 0.0 | 75 | P3 | G | 4700 | Plate No. 2 |
| {34CM3† | 35.0 | EV-0279-0 | 0.0 | 91 | P3 | G | Hold down P1 and Press P4 | {83 | 5.0 | ER-0300-0 | 0.0 | 92 | P3 | G | 4700 | Plate No. 1 |
| {Model 539C: No Adapter Required. | | | | | | | | {83 | 5.0 | ER-0200-0 | 0.0 | 92 | P3 | G | 4700 | Plate No. 2 |
| {34DK3 | 35.0 | EV-0002-0 | 0.0 | 90 | P3 | G | Cap=P. Reverse Meter | {85A1 | See Top of Chart | | | | | | | |
| {34GD5 | 35.0 | ET-2761-0 | 9.8 | --- | P4 | D | Hold down P1 and Press P4 | {85A2 | See Top of Chart | | | | | | | |
| {35B5 | 35.0 | ET-1562-0 | 1.5 | --- | --- | C | Hold down P1 and Press P4 | {KT88 | 6.3 | HS-5348-1 | 1.4 | --- | P4 | H | 90V | Starts at about 110V Regulation=14 Volts From 1 to 40 MA Starts under 100V Regulation=3Volts From 5 to 15 MA Cap=P |
| {35EH5 | 35.0 | ET-2761-0 | 3.0 | --- | P4 | C | | {90C1 | Off | AP-0507-0 | --- | --- | P4 | H | 150V | Starts at about 115 V Regulation=7 Volts From 10 to 50 MA |
| {35GL6 | 35.0 | ET-2751-0 | 9.0 | --- | P4 | C | | {150B2 | Off | AP-0102-0 | --- | --- | P4 | H | 150V | Starts at about 115 V Regulation=7 Volts From 10 to 50 MA |
| {35HB8 | 35.0 | EV-9768-0 | 6.0 | --- | P4 | D | Pent. Sect. | {866A | 3.0 | ER-0000-0 | 0.0 | 91 | P3 | G | 4700 | Strikes at about 24 V. |
| {35HB8 | 35.0 | EV-1302-0 | 1.4 | --- | P4 | D | Triode Sect. | {874 | Off | AP-0301-0 | --- | --- | P4 | H | 90V | Strikes at about 24 V. |
| {35L6 | 35.0 | HS-5348-0 | 1.5 | --- | P4 | C | Hold down P1 and Press P4 | {884 | 6.3 | HS-5308-0 | --- | --- | P5 | G | 4700 | Strikes at about 24 V. |
| {35LR6† | 35.0 | B3-5032-4 | 25.0 | --- | P4 | C | Cap=P | {885 | 2.5 | FR-3204-0 | 1.8 | --- | P5 | G | 4700 | Strikes at about 24 V. |
| {35W4 | 35.0 | ET-0167-0 | 0.0 | 91 | P3 | G | Short on 1-2-3-5 & A-C | {1217 | 6.3 | ET-7562-1 | 1.8 | --- | P4 | D | 440 | Osc. Sect. |
| {35W4 | 35.0 | ET-0507-0 | 0.0 | 91 | P3 | G | Rect. Sect. | {1217 | 6.3 | ET-1562-7 | 1.0 | --- | P4 | D | 700 | Osc. Sect. |
| {35Z5 | 35.0 | HS-0538-0 | 0.0 | 91 | P3 | G | Cap=P | {1218A | 6.3 | ET-6705-0 | 0.8 | --- | P4 | C | 7250 | |
| {35Z5 | 35.0 | HS-0508-0 | 0.0 | 88 | P3 | G | Cap=P | {1222 | 6.3 | GR-4237-8 | 3.0 | --- | P4 | C | 3300 | |
| {36AM3 | 35.0 | ET-0507-0 | 0.0 | 88 | P4 | C | Cap=P | {2050 | 6.3 | HS-5308-6 | --- | --- | P5 | G | 4700 | Strikes at about 2 Volts |
| {36KD6† | 35.0 | B3-5032-4 | 20.0 | --- | P4 | C | Cap=P | {2051 | 6.3 | HS-5308-6 | --- | --- | P5 | G | 4700 | Strikes at about 2 Volts |
| {36LW6 | 35.0 | FY-5032-0 | 20.0 | --- | P4 | C | Cap=P | {4604 | 6.3 | CX-5030-0 | 10.0 | --- | P4 | D | 3000 | Cap=P |
| {36MC6† | 35.0 | EV-2073-8 | 20.0 | --- | P4 | C | Cap=P. Use Adapter SA-4, 1050-144, Note 7 | {5636 | 6.3 | DW-1572-4 | 0.0 | --- | P4 | D | 1070 | Grid No. 1 Plate Volts=Low Use RK=270 Ω. Shunt With 100V MFD Cap. Grid No. 3 Plate Volts=Low Use RK=560 Ω. Shunt With 100V MFD Cap. Key Leader. Connect Fil. Heats to Pins 1 and 2 |
| {Model 539C: No Adapter Required. | | | | | | | | {5642 | 1.1 | BS-0000-0 | 0.0 | --- | P3 | B | 4700 | Strikes at about 2.5 V. |
| {38HE7† | 50.0 | B3-95X8-0 | 12.0 | --- | P4 | C | Pent. Sect. Set "Power Adjust" to 90 Volts | {5643 | 6.3 | DW-7105-2 | --- | 89 | P5 | G | 4700 | Strikes at about 2.5 V. |
| {38HE7 | 50.0 | B3-0204-0 | 0.0 | 88 | P3 | G | Diode Sect. | {5644 | Off | AP-0102-0 | --- | --- | P4 | H | 95V | Strikes at about 120V Regulation=5 Volts From 5 to 25 MA Starts at about 107V Regulation=3 Volts From 1.5 to 3.5 MA |
| {38HK7† | 35.0 | B3-95X8-0 | 16.0 | --- | P4 | C | Pent. Sect. | {5651 | Off | AP-0107-0 | --- | --- | P4 | H | 87V | Triode No. 1 |
| {40FR5 | 35.0 | ET-2761-0 | 11.0 | --- | P4 | D | Diode Sect. | {5654 | 6.3 | ET-1562-0 | 1.8 | --- | P4 | C | 3150 | Triode No. 2 |
| {40KD6† | 35.0 | B3-5032-4 | 20.0 | --- | P4 | D | Cap=P | {5670 | 6.3 | KR-7608-0 | 2.0 | --- | P4 | C | 3150 | Triode No. 2 |
| {42EC4 | 50.0 | EV-0007-0 | 0.0 | 90 | P3 | G | Cap=P. Reverse Meter | {5672 | 1.1 | DV-4120-0 | 4.0 | --- | P4 | D | 410 | Plate Volts=Low |
| {42KN6† | 50.0 | B3-5032-4 | 32.0 | --- | P4 | C | Use Adapter SA-8, 1050-168 | {5675 | 6.3 | HS-3506-0 | 1.6 | --- | P4 | C | 4000 | Use HiKick Adapter SA-8 Code No. 1050-121 |
| {50BM8 | 50.0 | EV-3672-0 | 7.4 | --- | P4 | D | Set Power Adjust At 92 Volts | {5676 | 1.1 | ES-3100-0 | 6.0 | --- | P4 | D | 410 | Plate Volts=Low |
| {50BM8 | 50.0 | EV-1908-0 | 0.6 | --- | P4 | D | Pent. Sect. | {5677 | 1.1 | ES-3100-0 | 9.0 | --- | P4 | D | 410 | Plate Volts=Low |
| {50C5 | 50.0 | ET-2761-0 | 1.5 | --- | P3 | G | Triode Sect. | {5678 | 1.1 | DV-4120-0 | 0.0 | --- | P4 | D | 410 | Plate Volts=Low |
| {50DC4 | 50.0 | ET-0507-0 | 0.0 | 89 | P3 | G | Hold down P1 and Press P4 | {5686 | 6.3 | EV-2763-0 | 2.0 | --- | P4 | D | 1950 | Triode No. 1 |
| {50EH5 | 50.0 | ET-2761-0 | 1.2 | --- | P4 | C | | {5687 | 12.6 | EV-7906-1 | 5.0 | --- | P4 | C | 4800 | Triode No. 1 |
| {50FE5 | 50.0 | HS-5348-0 | 10.0 | --- | P4 | C | | {5687 | 12.6 | EV-2103-9 | 5.0 | --- | P4 | C | 4800 | Triode No. 2 |
| {50FK5 | 50.0 | ET-2761-0 | 5.2 | --- | P4 | D | | {5688 | 6.3 | ET-1602-5 | --- | 90 | P5 | G | 4700 | Strikes at about 2 V. |
| {50GY7† | 50.0 | B3-W5X8-0 | 5.2 | --- | P3 | G | Pent. Sect. Hold down P1 and Press P4 | {5702 | 6.3 | DU-7126-5 | 1.8 | --- | P4 | C | 3150 | |
| {50GY7 | 50.0 | B3-0204-0 | 0.0 | 90 | P3 | G | Diode Sect. | {5703 | 6.3 | DU-5106-0 | 3.2 | --- | P4 | C | 3150 | |
| {50HC6 | 50.0 | ET-2751-0 | 1.2 | --- | P4 | C | | {5704 | 6.3 | CT-0104-0 | 0.0 | --- | P1 | G | 4700 | Diode |
| {50HK6 | 50.0 | ET-2751-0 | 1.5 | --- | P4 | C | | | | | | | | | | |
| {50HN5 | 50.0 | EV-2793-0 | 3.0 | --- | P4 | C | | | | | | | | | | |
| {53HK7† | 50.0 | B3-95X8-0 | 16.0 | --- | P4 | C | Pent. Sect. | | | | | | | | | |
| {53HK7 | 50.0 | B3-0204-0 | 0.0 | 21 | P1 | G | Diode Sect. | | | | | | | | | |

| TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS | TUBE TYPE | FIL | SELECTORS | BIAS VOLTS | SHUNT PRESS | MIN. MUT. COND. | NOTATIONS | |
|-----------|----------------|-----------|------------|-------------|-----------------|-----------|-------------|----------------|-----------|------------|-------------|-----------------|-----------|---|
| 6814 | 6.3DW-1805-0 | | 3.2 | | C | 3470 | {7199 | 6.3 EV-7236-0 | | 0.6 | | C | 3800 | Pent. Sect. |
| {6829 | 12.6 EV-7608-0 | | 1.8 | | C | 4200 | {7199 | 6.3 EV-9108-0 | | 5.2 | | E | 1300 | Triode Sect. |
| {6829 | 12.6 EV-2103-0 | | 1.8 | | C | 4200 | 7212 | 6.3 HS-5031-8 | | 10.5 | | C | 4400 | Cap = P |
| {6832 | 6.3DW-7805-0 | | 5.0 | | E | 650 | 7233 | 6.3 EV-2908-0 | | 5.6 | | B | 11000 | Plate Volts=Low |
| {6832 | 6.3DW-2104-0 | | 5.0 | | E | 650 | {7236 | 6.3 HY-0506-4 | | 0.0 | 83 | G | ★ | Triode No. 1, Emission Test. |
| 6872 | 6.3 DU-7126-5 | | 1.7 | | E | 1300 | {7236 | 6.3 HY-0203-1 | | 0.0 | 83 | G | ★ | Triode No. 2, Emission Test. |
| 6883 | 12.6 HS-5031-8 | | 10.5 | | C | 4400 | 7239 | 6.3 EV-1069-7 | | 6.0 | | D | 1600 | Cap = P |
| {6887 | 6.3 ET-0701-0 | | 0.0 | 0 | C | ★ | 7247 | 12.6 EV-7608-0 | | 1.3 | | D | 875 | Triode No. 1 |
| {6887 | 6.3 ET-0205-0 | | 0.0 | 0 | C | ★ | {7247 | 12.6 EV-2103-0 | | 4.8 | | D | 1380 | Triode No. 2 |
| 6889 | 6.3 GY-7051-0 | | 4.0 | | C | 3400 | {7258 | 12.6 EV-8679-1 | | 0.5 | | E | 4250 | Pent. Sect. |
| {6900 | 12.6 EV-7906-1 | | 5.0 | | C | 4800 | {7258 | 12.6 EV-2173-6 | | 3.2 | | D | 2800 | Triode Sect. |
| {6900 | 12.6 EV-2103-9 | | 5.0 | | C | 4800 | {7308 | 6.3 EV-7608-0 | | 2.6 | | C | 7000 | Triode No. 1 |
| {6919 | 6.3 ET-0701-6 | | 0.0 | 0 | C | ★ | {7308 | 6.3 EV-2103-0 | | 2.6 | | C | 7000 | Triode No. 2 |
| {6919 | 6.3 ET-0205-6 | | 0.0 | 0 | C | ★ | {7316 | 12.6 EV-7608-0 | | 3.2 | | D | 1950 | Triode No. 1 |
| {6922 | 6.3 EV-7608-0 | | 2.6 | | C | 7000 | {7316 | 12.6 EV-2103-0 | | 3.2 | | D | 1950 | Triode No. 2 |
| {6922 | 6.3 EV-2103-0 | | 2.6 | | C | 7000 | 7355 | 6.3 HS-6385-0 | | 2.6 | | D | 4800 | Triode No. 2 |
| 6928 | 6.3 ET-1562-0 | | 2.1 | | D | 2600 | 7357 | 25.0 HS-5031-8 | | 10.5 | | C | 4400 | Cap = P |
| 6943 | 6.3DW-1572-4 | | 2.6 | | E | 1400 | 7358 | 6.3 HS-5031-8 | | 10.5 | | C | 4400 | Cap = P |
| 6944 | 6.3DW-1572-4 | | 1.8 | | E | 1400 | 7360 | 6.3 EV-3621-9 | | 1.0 | | E | 1250 | Connect Pin 1 to Pin 8 and Pin 6 to Pin 7 as Local Socket. |
| 6945 | 6.3DW-1572-0 | | 12.0 | | D | 2100 | {7370 | 20.0 FY-7906-0 | | 5.0 | | C | 4800 | Triode No. 1 |
| 6946 | 6.3DW-1805-0 | | 5.2 | | D | 2500 | {7370 | 20.0 JU-2103-0 | | 5.0 | | C | 4800 | Triode No. 2 |
| {6947 | 6.3DW-7805-0 | | 1.8 | | D | 2500 | 7408 | 6.3 HS-5348-1 | | 3.3 | | D | 2600 | Triode No. 1 |
| {6947 | 6.3DW-2104-0 | | 1.8 | | D | 2500 | 7543 | 6.3 ET-1567-2 | | 1.0 | | C | 2500 | Triode No. 2 |
| {6948 | 6.3DW-7805-0 | | 1.4 | | D | 1650 | 7551 | 12.6 EV-2631-7 | | 5.0 | | C | 3500 | Triode No. 1 |
| {6948 | 6.3DW-2104-0 | | 1.4 | | D | 1650 | 7558 | 6.3 EV-2631-7 | | 5.0 | | C | 3500 | Triode No. 2 |
| 6973 | 6.3 EV-3917-0 | | 2.2 | | D | 3000 | 7581 | 6.3 HS-5348-0 | | 3.0 | | C | 3600 | Plate Volts=Low, Use Adapter SA-3, 1050-127, Note 7 |
| {7025 | 12.6 EV-7608-0 | | 1.3 | | D | 875 | {7586† | 6.3 DR-4208-0 | | 0.8 | | C | 7800 | Plate Volts = Low |
| {7025 | 12.6 EV-2103-0 | | 1.3 | | D | 875 | Model 539C: | 6.3 13-4208-0 | | 0.8 | | C | 4100 | Cap = P, Hold Down Pl. and Press Pl. Use Adapter SA-3, 1050-127, Note 7 |
| 7027 | 6.3 HS-5318-0 | | 3.0 | | C | 3300 | 7586 | 6.3 DR-4028-0 | | 1.0 | | C | 4100 | Cap = P, Hold down Pl. press Pl. |
| {7036 | 6.3 ET-1562-7 | | 1.0 | | D | 630 | {7587† | 6.3 HS-6345-0 | | 0.5 | | C | 5600 | Triode Sect. |
| {7036 | 6.3 ET-7562-1 | | 1.8 | | D | 630 | 7591 | 6.3 EV-1382-0 | | 0.5 | | C | 4100 | Triode No. 1 |
| 7044 | 12.6 EV-7906-0 | | 2.8 | | C | 6300 | 7683 | 6.3 EV-2637-0 | | 1.0 | | E | 1250 | Pent. Sect. |
| 7044 | 12.6 EV-2103-0 | | 2.8 | | C | 6300 | {7687 | 6.3 EV-9108-0 | | 5.0 | | D | 1900 | Triode Sect. |
| 7054 | 12.6 EV-2781-3 | | 1.6 | | C | 5650 | 7695 | 50.0 EV-6917-0 | | 8.0 | | C | 6000 | Triode Sect. |
| {7055 | 12.6 ET-0701-6 | | 0.0 | 0 | C | ★ | 7701 | 12.6 EV-2691-0 | | 1.2 | | D | 2100 | Triode No. 1 |
| {7055 | 12.6 ET-0205-6 | | 0.0 | 0 | C | ★ | {7716 | 12.6 EV-7986-0 | | 2.0 | | C | 4000 | Triode No. 2 |
| 7056 | 12.6 ET-1562-7 | | 1.0 | | C | 3900 | 7716 | 12.6 EV-2301-0 | | 1.0 | | D | 1800 | Triode Sect. |
| {7057 | 12.6 EV-7608-9 | | 2.2 | | C | 4300 | 7717 | 6.3 ET-1562-0 | | 1.0 | | D | 2800 | Plate Volts = Low |
| 7057 | 12.6 EV-2103-9 | | 2.2 | | C | 4300 | 7719 | 12.6 EV-2103-0 | | 5.0 | | D | 1900 | Triode Sect. |
| 7058 | 12.6 EV-7608-0 | | 1.3 | | D | 875 | {7724 | 12.6 EV-8907-0 | | 0.5 | | E | 500 | Triode Sect. |
| 7058 | 12.6 EV-2103-0 | | 1.3 | | D | 875 | 7724 | 12.6 EV-0601-0 | | 0.0 | 0 | G | ★ | Diode No. 1 |
| 7059 | 12.6 EV-2637-0 | | 0.8 | | D | 2400 | 7724 | 12.6 EV-0203-0 | | 0.0 | 0 | G | ★ | Diode No. 2 |
| 7059 | 12.6 EV-9108-0 | | 1.0 | | C | 5350 | {7728 | 12.6 EV-7608-0 | | 1.6 | | D | 2500 | Triode No. 1 |
| 7060 | 12.6 EV-8679-0 | | 1.3 | | C | 3500 | 7728 | 12.6 EV-2103-0 | | 1.6 | | D | 2500 | Triode No. 2 |
| 7060 | 12.6 EV-2103-0 | | 1.3 | | C | 3100 | {7729 | 12.6 EV-7608-0 | | 1.3 | | D | 875 | Triode No. 1 |
| 7061 | 12.6 EV-3917-0 | | 2.2 | | D | 2600 | 7729 | 12.6 EV-2103-0 | | 1.3 | | D | 875 | Triode No. 2 |
| {7119 | 12.6 EV-7906-0 | | 2.6 | | B | 9850 | {7730 | 12.6 EV-7608-0 | | 3.2 | | D | 1950 | Triode No. 1 |
| {7119 | 12.6 EV-2103-0 | | 2.6 | | B | 9850 | 7730 | 12.6 EV-2103-0 | | 3.2 | | D | 1950 | Triode No. 2 |
| 7137 | 6.3 ET-6702-0 | | 2.0 | | B | 7000 | {7730 | 12.6 EV-2103-0 | | 3.2 | | D | 1950 | Triode No. 1 |
| 7167 | 12.6 ET-1562-0 | | 1.0 | | C | 2250 | 7730 | 12.6 EV-2103-0 | | 3.2 | | D | 1950 | Triode No. 2 |
| 7189 | 6.3 EV-2793-0 | | 0.0 | | C | 4500 | 7730 | 12.6 EV-2103-0 | | 3.2 | | D | 1950 | Triode No. 2 |

OBSOLETE TUBE TYPES
SUPPLEMENTARY TEST DATA

NOTATIONS

- NOTE 1: The letter that appears in the RANGE column indicates the setting of the FUNCTION SWITCH.
- NOTE 2: (symbol "# " on Roll Chart) Set BIAS VOLTS at 40, press and hold down button indicated in the PRESS column while rotating BIAS VOLTS control until tube strikes. The striking voltages indicated are nominal values and reference to handbook "Critical Grid Characteristics" of Thyatron tubes reveals appreciable variations from these values.
- NOTE 3: (symbol "★ " on Roll Chart) Make emission tests only. Good tubes will read above index mark "RECTIFIERS & DIODES OK" on METER.
- NOTE 4: Mutual Conductance Values are minimum. Discard tubes which read lower.
- NOTE 5: Readjust BIAS VOLTS after button P4 is pressed, then read Gm.
- NOTE 6: (symbol "↓" on Roll Chart) A short indication on position "A" of the SHORTS switch is normal.
- NOTE 7: For TUBE TESTER Models 539B and 539C, the Universal Adapter CA-5, 1050-164, is available. This Adapter provides tube test sockets for Compactrons, Novars, 5 and 7-pin Nuvistors, and the new 10-pin tubes, including Decals. Test data for these tubes is supplied in supplementary form with the Adapter. See inside back cover for description of all adapters.
- NOTE 8: "Cut off" tube section NOT being tested by means of a 30 to 35 volt battery (Eveready 413, or equal). Polarity and connections are indicated in the NOTATIONS column: e. g., NOTE 8: 7-, 2+, indicates connect negative lead to pin 7 and positive lead to pin 2 of any convenient socket on the tester.
- CAUTION: Disconnect battery between any change of SELECTORS.

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|--|
| 0A4 | OFF | AP-0572-0 | 40.0 | 65 | P5 | G | ---- | NOTE 3. |
| 0Y4 | BLST | HY-3501-0 | 0.0 | 90 | P2 | G | ---- | SHORT ON 5. NOTE 3. |
| 1A4 | 2.0 | ER-0230-0 | 2.5 | -- | -- | E | 470 | CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1A5 | 1.4 | HS-5340-0 | 10.2 | -- | P4 | E | 500 | NOTE 6. |
| 1A6 | 2.0 | GR-0250-4 | 2.8 | -- | -- | E | 470 | PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4. |
| 1A6 | 2.0 | GR-4350-2 | 5.5 | -- | P4 | F | 160 | OSC. SECTION. NOTE 6. |
| 1A7 | 1.4 | HS-5340-0 | 0.0 | -- | -- | E | 575 | PENTODE SECTION. CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1A7 | 1.4 | HS-5643-0 | 5.5 | -- | P4 | F | 250 | OSC. SECTION. NOTE 6. |
| 1AB5 | 1.1 | JR-6230-0 | 0.0 | -- | P4 | E | 900 | NOTE 6. |
| 1AC5 | 1.1 | EV-2780-0 | 3.4 | -- | P4 | E | 350 | PLATE VOLTS = LOW. NOTE 6. |
| 1AD5 | 1.1 | EV-2780-0 | 0.5 | -- | P4 | D | 460 | PLATE VOLTS = LOW. NOTE 6. |
| 1AE4 | 1.1 | BX-6230-0 | 1.7 | -- | P4 | D | 975 | NOTE 6. |
| 1AF4 | 1.4 | BX-6230-0 | 0.4 | -- | P4 | D | 600 | PLATE VOLTS = LOW. NOTE 6. |
| 1AF5 | 1.4 | BX-6540-0 | 1.4 | -- | P4 | D | 380 | PENTODE SECTION. PLATE VOLTS = LOW NOTE 6. |
| 1AF5 | 1.4 | BX-0300-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. OK ABOVE 300 ON 3000 SCALE. NOTES 3 & 6. |
| 1AG5 | 1.1 | EW-5120-0 | 4.0 | -- | P4 | F | 220 | PENTODE SECTION. NOTE 6. |
| 1AG5 | 1.1 | EW-0300-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| 1AJ5 | 1.1 | EW-5120-3 | 4.0 | -- | P4 | F | 270 | PENTODE SECTION. NOTE 6. |
| 1AJ5 | 1.1 | EW-0300-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| 1AK5 | 1.1 | EW-5120-3 | 3.6 | -- | P4 | F | 175 | PENTODE SECTION. NOTE 6. |
| 1AK5 | 1.1 | EW-0300-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| 1AU3 | 1.1 | HS-0000-0 | 0.0 | -- | P5 | C | ---- | CAP = P. NOTES 3 & 6. |
| 1AX2 | 1.4 | BS-0000-0 | 0.0 | -- | P5 | C | ---- | CAP = P. NOTES 3 & 6. |
| 1B4 | 2.0 | ER-0230-0 | 2.3 | -- | -- | E | 500 | CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1B5 | 2.0 | GR-5200-0 | 4.0 | -- | P4 | E | 360 | TRIODE SECTION. NOTE 6. |
| 1B5 | 2.0 | GR-5400-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTES 3 & 6. |
| 1B5 | 2.0 | GR-5300-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTES 3 & 6. |
| 1B7 | 1.4 | HS-0340-5 | 0.0 | -- | -- | E | 630 | PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4. |
| 1B7 | 1.4 | HS-5640-3 | 0.0 | -- | -- | D | 570 | OSC. SECTION. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1C3 | 1.4 | BX-4200-0 | 2.6 | -- | P4 | E | 480 | PLATE VOLTS = LOW. NOTE 6. |
| 1C5 | 1.4 | HS-5340-0 | 10.6 | -- | P4 | E | 1000 | NOTE 6. |
| 1C6 | 2.0 | GR-0253-4 | 2.0 | -- | -- | E | 630 | AMPL. SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4. |
| 1C6 | 2.0 | GR-4352-0 | 4.0 | -- | P4 | F | 190 | OSC. SECTION. NOTE 6. |
| 1C7 | 2.0 | HS-0346-5 | 2.0 | -- | -- | E | 630 | PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4. |
| 1C7 | 2.0 | HS-5643-0 | 4.0 | -- | P4 | F | 190 | OSC. SECTION. NOTE 6. |
| 1D5 | 2.0 | HS-0340-0 | 0.0 | -- | -- | E | 475 | CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1D7 | 2.0 | HS-0346-5 | 2.8 | -- | -- | E | 470 | PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4. |
| 1D7 | 2.0 | HS-5643-0 | 5.5 | -- | P4 | F | 160 | OSC. SECTION. NOTE 6. |
| 1D8 | 1.4 | HS-5346-0 | 2.0 | -- | P4 | E | 550 | PENTODE SECTION. NOTE 6. |
| 1D8 | 1.4 | HS-0600-0 | 1.5 | -- | P4 | F | 280 | PLATE VOLTS = LOW. TRIODE SECTION. CAP = G. NOTE 6. PLATE VOLTS = LOW. |
| 1D8 | 1.4 | HS-0800-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| 1DN5 | 1.4 | BX-6230-0 | 2.8 | -- | P4 | D | 400 | PENTODE SECTION. PLATE VOLTS = LOW NOTE 6. |
| 1DN5 | 1.4 | HR-0400-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. OK ABOVE 1600 ON 6000 SCALE. NOTES 3 & 6. |
| 1E3 | 1.1 | EV-1800-0 | 3.5 | -- | P4 | D | 2200 | NOTE 6. |
| 1E4 | 1.4 | HS-5300-0 | 0.0 | -- | P4 | E | 825 | NOTE 6. |
| 1E5 | 2.0 | HS-0340-0 | 2.3 | -- | -- | E | 500 | CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1E7 | 2.0 | HS-5683-4 | 2.3 | -- | P4 | D | 900 | PENTODE NO. 1. NOTE 6. |
| 1E7 | 2.0 | HS-4386-5 | 2.3 | -- | P4 | D | 900 | PENTODE NO. 2. NOTE 6. |
| 1F4 | 2.0 | FR-3240-0 | 2.5 | -- | P4 | E | 880 | NOTE 6. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|---|
| 1F5 | 2.0 | HS-5340-0 | 2.5 | -- | P4 | E | 880 | NOTE 6. |
| 1F6 | 2.0 | GR-0230-0 | 0.6 | -- | -- | E | 410 | PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4. |
| 1F6 | 2.0 | GR-0530-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. OK ABOVE 200 ON 3000 SCALE. NOTES 3 & 6. |
| 1F6 | 2.0 | GR-0430-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. OK ABOVE 200 ON 3000 SCALE. NOTE 6. |
| 1F7 | 2.0 | HS-0360-0 | 0.6 | -- | -- | E | 410 | PENTODE SECTION. CAP = G. NOTE 6. HOLD DOWN P1 & PRESS P4. |
| 1F7 | 2.0 | HS-0463-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTES 3 & 6. |
| 1F7 | 2.0 | HS-0563-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTES 3 & 6. |
| 1G4 | 1.4 | HS-5300-0 | 4.5 | -- | P4 | E | 520 | PLATE VOLTS = LOW. NOTE 6. |
| 1G5 | 2.0 | HS-5340-0 | 6.2 | -- | P4 | E | 950 | NOTE 6. |
| 1G6 | 1.4 | HS-5600-0 | 2.1 | -- | P4 | E | 420 | TRIODE NO. 1. NOTE 6. |
| 1G6 | 1.4 | HS-4300-0 | 2.1 | -- | P4 | E | 420 | TRIODE NO. 2. NOTE 6. |
| 1H4 | 2.0 | HS-5300-0 | 9.1 | -- | P4 | E | 570 | NOTE 6. |
| 1H5 | 1.4 | HS-0300-0 | 0.8 | -- | P4 | F | 190 | TRIODE SECTION. CAP = G. NOTE 6. |
| 1H5 | 1.4 | HS-0500-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| 1H6 | 2.0 | HS-6300-0 | 4.0 | -- | P4 | E | 360 | TRIODE SECTION. NOTE 6. |
| 1H6 | 2.0 | HS-6500-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTES 3 & 6. |
| 1H6 | 2.0 | HS-6400-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTES 3 & 6. |
| 1J3 | 1.1 | HS-0000-0 | 0.0 | -- | P5 | C | ---- | CAP = P. NOTES 3 & 6. |
| 1J5 | 2.0 | HS-5340-0 | 15.0 | -- | P4 | E | 600 | NOTE 6. |
| 1J6 | 2.0 | HS-5600-0 | 1.9 | -- | P4 | E | 630 | TRIODE NO. 1. NOTE 6. |
| 1J6 | 2.0 | HS-4300-0 | 1.9 | -- | P4 | E | 630 | TRIODE NO. 2. NOTE 6. |
| 1L4 | 1.4 | HR-6230-0 | 2.8 | -- | P4 | E | 650 | NOTE 6. |
| 1L6 | 1.4 | BX-6253-4 | 0.6 | -- | P4 | E | 500 | PENTODE SECTION. PLATE VOLTS = LOW NOTE 6. |
| 1L6 | 1.4 | BX-4352-6 | 0.6 | -- | P4 | F | 250 | OSC. SECTION. NOTE 6. |
| 1LA4 | 1.4 | JR-6230-0 | 10.2 | -- | P4 | E | 500 | NOTE 6. |
| 1LA6 | 1.4 | JR-6253-4 | 0.0 | -- | -- | E | 630 | PENTODE SECTION. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1LA6 | 1.4 | JR-4352-6 | 0.0 | -- | P4 | F | 220 | OSC. SECTION. NOTE 6. |
| 1LB4 | 1.4 | JR-6230-0 | 4.0 | -- | P4 | E | 575 | PLATE VOLTS = LOW. NOTE 6. |
| 1LC5 | 1.4 | JR-6234-0 | 1.0 | -- | P4 | E | 475 | PLATE VOLTS = LOW. NOTE 6. |
| 1LC6 | 1.4 | JR-6253-4 | 1.0 | -- | -- | E | 630 | PENTODE SECTION. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1LC6 | 1.4 | JR-4352-6 | 3.5 | -- | -- | E | 350 | OSC. SECTION. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1LD5 | 1.4 | JR-6230-0 | 0.0 | -- | P4 | E | 500 | PENTODE SECTION. PLATE VOLTS = LOW NOTE 6. |
| 1LD5 | 1.4 | JR-0400-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| 1LE3 | 1.4 | JR-6200-0 | 4.3 | -- | P4 | E | 760 | NOTE 6. |
| 1LF3 | 1.4 | JR-6200-0 | 4.3 | -- | P4 | E | 760 | NOTE 6. |
| 1LG5 | 1.4 | JR-6234-0 | 4.2 | -- | P4 | E | 660 | NOTE 6. |
| 1LH4 | 1.4 | JR-6200-0 | 0.8 | -- | P4 | F | 190 | TRIODE SECTION. NOTE 6. |
| 1LH4 | 1.4 | JR-6400-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| 1LN5 | 1.4 | JR-6234-0 | 1.1 | -- | P4 | E | 480 | NOTE 6. |
| 1N5 | 1.4 | HS-0340-0 | 1.1 | -- | P4 | E | 480 | CAP = G. NOTE 6. |
| 1N6 | 1.4 | HS-5340-0 | 11.8 | -- | P4 | E | 500 | PENTODE SECTION. NOTE 6. |
| 1N6 | 1.4 | HS-0600-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. OK ABOVE 500 ON 3000 SCALE. NOTES 3 & 6. |
| 1P5 | 1.4 | HS-0340-0 | 1.0 | -- | P4 | E | 500 | CAP = G. NOTE 6. |
| 1Q5 | 1.4 | HS-5340-0 | 7.5 | -- | P4 | C | 1320 | NOTE 6. |
| 1Q6 | 1.1 | EV-2780-0 | 2.0 | -- | P4 | F | 250 | PENTODE SECTION. NOTE 6. |
| 1Q6 | 1.1 | EV-0600-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. OK ABOVE 250 ON 3000 SCALE. NOTES 3 & 6. |
| 1R4 | 1.4 | JR-0407-0 | 0.0 | -- | P1 | D | ---- | DIODE. NOTE 3. |
| 1S6 | 1.1 | EV-3180-0 | 1.5 | -- | P4 | F | 280 | PENTODE SECTION. NOTE 6. |
| 1S6 | 1.1 | EV-0600-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. OK ABOVE 300 ON 3000 SCALE. NOTES 3 & 6. |
| 1SA6 | 1.4 | HS-4863-0 | 0.0 | -- | -- | E | 525 | HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1SB6 | 1.4 | HS-8340-0 | 0.5 | -- | P4 | E | 410 | PENTODE SECTION. PLATE VOLTS = LOW NOTE 6. |

SEE NEXT PAGE FOR CONTINUATION

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|---|
| 1S86 | 1.4 | HS-8500-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| 1T4 | 1.4 | BX-6230-0 | 0.0 | -- | P4 | E | 490 | PLATE VOLTS = LOW. NOTE 6. |
| 1T5 | 1.4 | HS-5340-0 | 11.0 | -- | P4 | E | 725 | NOTE 6. |
| 1T6 | 1.1 | EV-3186-0 | 1.5 | -- | P4 | F | 280 | PENTODE SECTION. NOTE 6. |
| 1T6 | 1.1 | EV-0600-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. OK ABOVE 300 ON 3000 SCALE. NOTES 3 & 6. |
| 1U5 | 1.4 | BX-6230-0 | 1.0 | -- | P4 | E | 390 | PENTODE SECTION. PLATE VOLTS = LOW NOTE 6. |
| 1U5 | 1.4 | BX-6430-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| 1U6 | 1.4 | BX-6253-4 | 1.6 | -- | P4 | D | 630 | AMPL. SECTION. PLATE VOLTS = LOW. NOTE 6. |
| 1U6 | 1.4 | BX-4356-2 | 1.5 | -- | P4 | F | 190 | OSC. SECTION. NOTE 6. |
| 1V | 6.3 | ER-0203-0 | 0.0 | 89 | P3 | G | ---- | NOTE 3. |
| 1V5 | 1.1 | EV-2780-0 | 3.4 | -- | P4 | E | 350 | PLATE VOLTS = LOW. NOTE 6. |
| 1V6 | 1.1 | EX-3120-5 | 0.5 | -- | P4 | F | 315 | PENTODE SECTION. NOTE 6. |
| 1V6 | 1.1 | EX-5600-3 | 4.0 | -- | P4 | F | 190 | TRIODE SECTION. NOTE 6. |
| 1W4 | 1.4 | BX-6230-0 | 2.5 | -- | P4 | E | 580 | PLATE VOLTS = LOW. NOTE 6. |
| 1Z2 | 1.4 | BS-0000-0 | 0.0 | 12 | P5 | G | ---- | CAP = P. NOTES 3 & 6. |
| 2A3 | 2.5 | ER-3200-0 | 24.0 | -- | P4 | D | 1900 | NOTE 6. |
| 2A4 | 2.5 | HS-5300-0 | -- | 86 | P5 | G | ---- | STRIKES NEAR 8.5 V. NOTES 2,3 & 6 |
| 2A5 | 2.5 | GR-4235-0 | 1.7 | -- | P4 | D | 1640 | NOTE 6. |
| 2A6 | 2.5 | GR-0205-0 | 1.1 | -- | P4 | D | 700 | TRIODE SECTION. CAP = G. |
| 2A6 | 2.5 | GR-0405-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 2A6 | 2.5 | GR-0305-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 2A7 | 2.5 | HR-0236-5 | 1.0 | -- | P4 | D | 1000 | PENTODE SECTION. CAP = G. PLATE VOLTS = LOW. |
| 2A7 | 2.5 | HR-5436-2 | 4.0 | -- | P4 | F | 280 | OSC. SECTION. |
| 2B3 | 1.4 | HS-0000-0 | 0.0 | 12 | P5 | G | ---- | CAP = P. NOTES 3 & 6. |
| 2B4 | 2.5 | FR-3204-0 | -- | 89 | P5 | G | ---- | STRIKES AT ABOUT 24 V. NOTES 2 & 3 |
| 2B6 | 2.5 | HR-4236-0 | 7.0 | -- | P4 | E | 950 | |
| 2B7 | 2.5 | HR-0236-0 | 5.6 | -- | P4 | E | 630 | PENTODE SECTION. CAP = G. |
| 2B7 | 2.5 | HR-0536-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 2B7 | 2.5 | HR-0436-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 2B22 | 6.3 | HS-0008-0 | 0.0 | 88 | P3 | G | ---- | TOP WASHER = P. NOTE 3. |
| 2B23 | 6.3 | HS-0308-0 | 0.0 | 40 | P5 | G | ---- | NOTE 3. |
| 2C4 | 2.5 | HR-3504-0 | -- | 88 | P5 | G | ---- | STRIKES AT ABOUT 23 V. NOTES 2 & 3 |
| 2C21 | 6.3 | HR-4506-0 | 7.5 | -- | P4 | E | 870 | TRIODE NO. 1. |
| 2C21 | 6.3 | HR-0302-0 | 7.5 | -- | P4 | E | 870 | TRIODE NO. 2. CAP = G. |
| 2C22 | 6.3 | HS-0008-0 | 3.7 | -- | P4 | D | 1900 | FAR CAP = G. NEAR CAP = P. |
| 2C26 | 6.3 | HS-0008-0 | 2.5 | -- | P4 | E | 950 | RIGHT CAP = P. LEFT CAP = G. |
| 2C40 | 6.3 | HS-0008-0 | 1.5 | -- | P4 | C | 3000 | CAP = P. RING = G. |
| 2C43 | 6.3 | HS-0008-0 | 0.4 | -- | P4 | C | 5000 | CAP = P. RING = G. |
| 2C45 | 7.5 | ER-3200-0 | 8.0 | -- | P4 | E | 1380 | NOTE 6. |
| 2C50 | 12.6 | HY-1203-0 | 11.8 | -- | P4 | E | 1125 | TRIODE NO. 1. |
| 2C50 | 12.6 | HY-4506-0 | 11.8 | -- | P4 | E | 1125 | TRIODE NO. 2. |
| 2C52 | 12.6 | HY-4506-2 | 0.8 | -- | P4 | D | 950 | TRIODE NO. 1. |
| 2C52 | 12.6 | HY-1203-5 | 0.8 | -- | P4 | D | 950 | TRIODE NO. 2. |
| 2C53 | 6.3 | HS-5008-0 | 0.0 | -- | P4 | F | 190 | CAP = P. |
| 2DZ4 | 2.5 | ET-2105-0 | 0.8 | -- | P4 | C | 5000 | PLATE VOLTS = LOW. |
| 2E5 | 2.5 | GR-5403-0 | 0.0 | -- | P4 | G | ---- | EYE OPEN. SHORT ON B. |
| 2E5 | 2.5 | GR-5423-0 | 0.0 | -- | P4 | G | ---- | EYE CLOSED. SHORT ON B. |
| 2E22 | 6.3 | FR-3024-0 | 0.0 | -- | P4 | D | 2500 | CAP = P. |
| 2E24 | 6.3 | HS-5030-0 | 7.2 | -- | P4 | D | 2000 | CAP = P. NOTE 6. |
| 2E25 | 6.3 | HS-5040-8 | 0.0 | -- | P4 | D | 1900 | CAP = P. NOTE 6. |
| 2E26 | 6.3 | HS-5031-8 | 8.0 | -- | P4 | D | 2200 | CAP = P. |
| 2E30 | 6.3 | ET-1560-2 | 3.0 | -- | P4 | D | 1900 | NOTE 6. |
| 2E31 | 1.1 | DV-4120-0 | 3.0 | -- | P4 | F | 315 | NOTE 6. |
| 2E32 | 1.1 | DV-4120-0 | 3.0 | -- | P4 | F | 315 | NOTE 6. |
| 2E35 | 1.1 | DV-4120-0 | 3.3 | -- | P4 | F | 315 | NOTE 6. |
| 2E36 | 1.1 | DV-4120-0 | 3.3 | -- | P4 | F | 315 | NOTE 6. |
| 2E41 | 1.1 | EW-5120-0 | 4.0 | -- | P4 | F | 220 | PENTODE SECTION. NOTE 6. |
| 2E41 | 1.1 | EW-0300-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| 2E42 | 1.1 | EW-5120-0 | 4.0 | -- | P4 | F | 220 | PENTODE SECTION. NOTE 6. |
| 2E42 | 1.1 | EW-0300-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|--|
| 2G21 | 1.1 | EX-3265-1 | 3.0 | -- | P4 | F | 190 | HEPTODE SECTION. NOTE 6. |
| 2G21 | 1.1 | EX-3100-6 | 4.6 | -- | P4 | F | 250 | TRIODE SECTION. NOTE 6. |
| 2G22 | 1.1 | EX-3265-1 | 3.0 | -- | P4 | F | 190 | HEPTODE SECTION. NOTE 6. |
| 2G22 | 1.1 | EX-3100-6 | 4.6 | -- | P4 | F | 250 | TRIODE SECTION. NOTE 6. |
| 2V2 | 2.5 | HS-0005-0 | 0.0 | -- | P5 | E | ---- | CAP = P. SHORT ON 1. NOTES 3 & 6. |
| 2V3 | 2.5 | HS-0000-0 | 0.0 | 12 | P5 | G | ---- | CAP = P. NOTES 3 & 6. |
| 2W3 | 2.5 | JS-0400-0 | 0.0 | 85 | P3 | G | ---- | NOTES 3 & 6. |
| 2X2A | 2.5 | ER-0000-0 | 0.0 | 40 | P5 | G | ---- | CAP = P. NOTES 3 & 6. |
| 2Z2 | 2.5 | ER-0200-0 | 0.0 | 65 | P3 | G | ---- | NOTES 3 & 6. |
| 3A4 | 2.5 | BX-4230-0 | 1.0 | -- | -- | D | 1260 | HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 3A5 | 3.0 | BX-5600-0 | 7.2 | -- | P4 | E | 1260 | TRIODE NO. 1. NOTE 6. |
| 3A5 | 3.0 | HR-3200-0 | 7.2 | -- | P4 | E | 1260 | TRIODE NO. 2. NOTE 6. |
| 3A8 | 2.5 | HS-0340-0 | 2.2 | -- | P4 | E | 470 | PENTODE SECTION. CAP = G. NOTE 6. |
| 3A8 | 2.5 | HS-5600-0 | 0.0 | -- | P4 | F | 125 | TRIODE SECTION. NOTE 6. |
| 3A8 | 2.5 | HS-0800-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| 3B5 | 2.5 | HS-5340-0 | 6.2 | -- | P4 | E | 950 | PLATE VOLTS = LOW. NOTE 6. |
| 3B7 | 2.5 | BY-6700-0 | 2.8 | -- | P4 | D | 1200 | TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6. |
| 3B7 | 2.5 | JR-3200-0 | 2.8 | -- | P4 | D | 1200 | TRIODE NO. 2. PLATE VOLTS = LOW. NOTE 6. |
| 3B24 | 2.5 | ER-0000-0 | 0.0 | 63 | P5 | G | ---- | CAP = P. FIRST HALF OF FIL. NOTES 3 & 6. |
| 3B24 | 2.5 | CR-0000-0 | 0.0 | 63 | P5 | G | ---- | CAP = P. SECOND HALF OF FIL. NOTES 3 & 6. |
| 3B29 | 3.0 | ER-0000-0 | 0.0 | 80 | P5 | G | ---- | CAP = P. NOTES 3 & 6. |
| 3C2 | 3.0 | HS-0000-0 | 0.0 | 20 | P5 | G | ---- | CAP = P. NOTES 3 & 6. |
| 3C6 | 2.5 | BY-5600-0 | 3.5 | -- | P4 | D | 700 | TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6. |
| 3C6 | 2.5 | JR-4300-0 | 3.5 | -- | P4 | D | 700 | TRIODE NO. 2. PLATE VOLTS = LOW. NOTE 6. |
| 3CF6 | 3.0 | ET-1562-7 | 1.0 | -- | P4 | C | 3900 | |
| 3D6 | 2.5 | JR-6230-0 | 4.0 | -- | -- | E | 1300 | HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 3E5 | 2.5 | BX-6235-0 | 5.0 | -- | -- | E | 750 | SHORT ON 1. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 3E6 | 3.0 | JR-6234-0 | 4.8 | -- | P4 | D | 1260 | NOTE 6. |
| 3E55 | 3.0 | ET-2501-0 | 1.0 | -- | P4 | C | 4500 | |
| 3FQ5 | 3.0 | ET-2507-0 | 1.2 | -- | P4 | C | 5000 | |
| 3FQ5A | 3.0 | ET-2507-0 | 1.2 | -- | P4 | C | 6500 | |
| 3GS8 | 3.0 | EV-7821-9 | 0.0 | -- | -- | D | 630 | PENTODE NO. 1. HOLD DOWN P1 & PRESS P4. |
| 3GS8 | 3.0 | EV-7321-6 | 0.0 | -- | -- | D | 630 | PENTODE NO. 2. HOLD DOWN P1 & PRESS P4. |
| 3GU5 | 3.0 | ET-1562-0 | 0.4 | -- | P4 | C | 8500 | |
| 3HM6 | 3.0 | EV-2781-9 | 0.8 | -- | P4 | C | 6700 | |
| 3HS8 | 3.0 | EV-7821-9 | 1.0 | -- | P4 | D | 500 | PENTODE NO. 1. |
| 3HS8 | 3.0 | EV-7321-6 | 1.0 | -- | P4 | D | 500 | PENTODE NO. 2. |
| 3HT6 | 3.0 | EV-2781-9 | 0.8 | -- | P4 | C | 5300 | |
| 3LE4 | 2.5 | JR-6230-0 | 5.6 | -- | P4 | E | 1200 | NOTE 6. |
| 3LF4 | 2.5 | JR-6230-0 | 5.6 | -- | P4 | E | 1200 | NOTE 6. |
| 3Q4 | 3.0 | HR-3240-0 | 4.0 | -- | P4 | E | 1350 | NOTE 6. |
| 3Q5 | 2.5 | HS-5340-0 | 8.3 | -- | P4 | E | 1130 | NOTE 6. |
| 3S4 | 2.5 | HR-3240-0 | 5.0 | -- | P4 | E | 950 | PLATE VOLTS = LOW. NOTE 6. |
| 4A6 | 3.0 | HS-5600-0 | 7.2 | -- | P4 | D | 630 | TRIODE NO. 1. NOTE 6. |
| 4A6 | 3.0 | CX-4300-0 | 7.2 | -- | P4 | D | 630 | TRIODE NO. 2. NOTE 6. |
| 4BA6 | 4.3 | ET-1567-2 | 1.0 | -- | P4 | D | 2070 | |
| 4BE6 | 4.3 | ET-7562-1 | 0.0 | -- | -- | D | 940 | AMPL. SECTION. HOLD DOWN P1 & PRESS P4. |
| 4BE6 | 4.3 | ET-1602-7 | 2.0 | -- | P4 | C | 4500 | OSC. SECTION. |
| 4BX8 | 4.3 | EV-7608-9 | 1.0 | -- | P4 | C | 3400 | TRIODE NO. 1. PLATE VOLTS = LOW. |
| 4BX8 | 4.3 | EV-2103-9 | 1.0 | -- | P4 | C | 3400 | TRIODE NO. 2. PLATE VOLTS = LOW. |
| 4BZ8 | 4.3 | EV-7608-9 | 2.2 | -- | P4 | C | 2500 | TRIODE NO. 1. |
| 4BZ8 | 4.3 | EV-2103-9 | 2.2 | -- | P4 | C | 2500 | TRIODE NO. 2. |
| 4CE5 | 4.3 | ET-1562-0 | 1.0 | -- | P4 | C | 3900 | |
| 4GW5 | 4.3 | ET-2105-0 | 1.2 | -- | P4 | B | 9400 | |
| 5A6 | 5.0 | EV-7160-3 | 12.0 | -- | P4 | D | 1900 | NOTE 6. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|--|
| 5AS4 | 5.0 | JS-0600-0 | 0.0 | 87 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 5AS4 | 5.0 | JS-0400-0 | 0.0 | 84 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 5AW4 | 5.0 | JS-0600-4 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 5AW4 | 5.0 | JS-0400-6 | 0.0 | 87 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 5AX4 | 5.0 | JS-0600-0 | 0.0 | 80 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 5AX4 | 5.0 | JS-0400-0 | 0.0 | 84 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 5AZ4 | 5.0 | JS-0600-4 | 0.0 | 75 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 5AZ4 | 5.0 | JS-0400-6 | 0.0 | 70 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 5BS8 | 5.0 | EV-7608-9 | 0.0 | -- | P4 | C | 4100 | TRIODE NO. 1. PLATE VOLTS = LOW. |
| 5BS8 | 5.0 | EV-2103-9 | 0.0 | -- | P4 | C | 4100 | TRIODE NO. 2. PLATE VOLTS = LOW. |
| 5BZ7 | 5.0 | EV-7608-9 | 2.2 | -- | P4 | C | 4300 | TRIODE NO. 1. |
| 5BZ7 | 5.0 | EV-2103-9 | 2.2 | -- | P4 | C | 4300 | TRIODE NO. 2. |
| 5CM6 | 5.0 | EV-3917-0 | 3.3 | -- | P4 | D | 2600 | |
| 5CR8 | 5.0 | EV-2673-8 | 1.0 | -- | P4 | D | 3000 | PENTODE SECTION. |
| 5CR8 | 5.0 | EV-9108-0 | 2.8 | -- | P4 | D | 2500 | TRIODE SECTION. |
| 5CU4 | 5.0 | JS-0601-0 | 0.0 | 90 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 5CU4 | 5.0 | JS-0401-0 | 0.0 | 90 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 5EH8 | 5.0 | EV-7986-0 | 1.0 | -- | P4 | D | 2700 | PENTODE SECTION. |
| 5EH8 | 5.0 | EV-2301-0 | 1.6 | -- | P4 | C | 4700 | TRIODE SECTION. |
| 5T4 | 5.0 | JS-0600-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 5T4 | 5.0 | JS-0400-0 | 0.0 | 86 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 5W4 | 5.0 | JS-0600-0 | 0.0 | 77 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 5W4 | 5.0 | JS-0400-0 | 0.0 | 74 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 5X3 | 5.0 | ER-0300-0 | 0.0 | 75 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 5X3 | 5.0 | ER-0200-0 | 0.0 | 70 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 5X4 | 5.0 | HY-0500-0 | 0.0 | 87 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 5X4 | 5.0 | HY-0300-0 | 0.0 | 84 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 5Y4 | 5.0 | HY-0500-0 | 0.0 | 80 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 5Y4 | 5.0 | HY-0300-0 | 0.0 | 75 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 5Z3 | 5.0 | ER-0300-0 | 0.0 | 87 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 5Z3 | 5.0 | ER-0200-0 | 0.0 | 84 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 5Z4 | 5.0 | JS-0600-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 5Z4 | 5.0 | JS-0400-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 6A3 | 6.3 | ER-3200-0 | 26.0 | -- | P4 | D | 1900 | NOTE 6. |
| 6A4 | 6.3 | FR-3240-0 | 5.0 | -- | P4 | E | 1260 | NOTE 6. |
| 6A5 | 6.3 | HS-5300-0 | 26.0 | -- | P4 | D | 1900 | NOTE 6. |
| 6A6 | 6.3 | HR-5604-0 | 2.3 | -- | P4 | D | 950 | TRIODE NO. 1. |
| 6A6 | 6.3 | HR-3204-0 | 2.3 | -- | P4 | D | 950 | TRIODE NO. 2. |
| 6A7 | 6.3 | HR-0236-5 | 1.0 | -- | P4 | D | 1000 | PENTODE SECTION. CAP = G. PLATE VOLTS = LOW. |
| 6A7 | 6.3 | HR-5436-2 | 4.0 | -- | P4 | F | 280 | OSC. SECTION. |
| 6A8 | 6.3 | HS-0348-5 | 1.0 | -- | P4 | D | 1000 | PENTODE SECTION. CAP = G. PLATE VOLTS = LOW. |
| 6A8 | 6.3 | HS-5648-3 | 4.0 | -- | P4 | F | 280 | OSC. SECTION. |
| 6AB5 | 6.3 | GR-5403-0 | 0.0 | -- | P4 | G | ---- | EYE OPEN. SHORT ON B. |
| 6AB5 | 6.3 | GR-5423-0 | 0.0 | -- | P4 | G | ---- | EYE CLOSED. SHORT ON B. |
| 6AB6 | 6.3 | HS-5348-0 | 0.9 | -- | P4 | D | 920 | |
| 6AB7 | 6.3 | HS-4865-3 | 2.0 | -- | P4 | D | 2200 | |
| 6AB8 | 6.3 | EV-9683-7 | 4.0 | -- | P4 | D | 2100 | PENTODE SECTION. |
| 6AB8 | 6.3 | EV-2103-0 | 5.0 | -- | P4 | D | 850 | TRIODE SECTION. |
| 6AC5 | 6.3 | HS-5308-0 | 0.0 | -- | P4 | E | 630 | |
| 6AC6 | 6.3 | HS-5348-0 | 0.0 | -- | P4 | E | 1500 | |
| 6AD4 | 6.3 | DW-1805-0 | 1.7 | -- | P4 | D | 1260 | |
| 6AD6 | 6.3 | HS-4358-0 | 0.0 | -- | P4 | G | ---- | EYE 1 OPEN. EYE 2 CLOSED. |
| 6AD6 | 6.3 | HS-3458-0 | 0.0 | -- | P4 | G | ---- | EYE 1 CLOSED. EYE 2 OPEN. |
| 6AD7 | 6.3 | HS-5348-6 | 5.3 | -- | P4 | E | 1260 | PENTODE SECTION. |
| 6AD7 | 6.3 | HS-1608-3 | 0.0 | -- | P4 | E | 380 | TRIODE SECTION. |
| 6AE5 | 6.3 | HS-5308-0 | 25.5 | -- | P4 | E | 750 | |
| 6AE6 | 6.3 | HS-5408-3 | 0.0 | -- | P4 | E | 470 | TRIODE NO. 1. |
| 6AE6 | 6.3 | HS-5308-4 | 0.0 | -- | P4 | E | 540 | TRIODE NO. 2. |
| 6AE7 | 6.3 | HS-6308-4 | 7.6 | -- | P4 | E | 950 | TRIODE NO. 1. |
| 6AE7 | 6.3 | HS-4305-6 | 7.6 | -- | P4 | E | 950 | TRIODE NO. 2. |
| 6AF5 | 6.3 | HS-5308-0 | 15.3 | -- | P4 | E | 950 | |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|--|
| 6AF6 | 6.3 | HS-4358-0 | 0.0 | -- | P4 | G | ---- | EYE 1 OPEN. EYE 2 CLOSED. |
| 6AF6 | 6.3 | HS-3458-0 | 0.0 | -- | P4 | G | ---- | EYE 2 OPEN. EYE 1 CLOSED. |
| 6AH4 | 6.3 | HS-1508-0 | 11.0 | -- | P4 | C | 3460 | |
| 6AH6 | 6.3 | ET-1567-2 | 1.0 | -- | P4 | C | 5650 | |
| 6AH7 | 6.3 | HY-5604-3 | 4.0 | -- | P4 | D | 1500 | TRIODE NO. 1. |
| 6AH7 | 6.3 | HY-1302-6 | 4.0 | -- | P4 | D | 1500 | TRIODE NO. 2. |
| 6AJ4 | 6.3 | JX-1502-0 | 2.2 | -- | P4 | C | 6300 | |
| 6AJ5 | 6.3 | ET-1562-0 | 1.8 | -- | P4 | D | 1600 | PLATE VOLTS = LOW. |
| 6AJ7 | 6.3 | HS-4865-3 | 1.0 | -- | P4 | C | 5650 | |
| 6AK4 | 6.3 | DW-1805-7 | 4.0 | -- | P4 | D | 2400 | |
| 6AK7 | 6.3 | HS-4865-1 | 1.7 | -- | P4 | C | 5000 | |
| 6AL7 | 6.3 | HS-6358-0 | -- | -- | P4 | G | ---- | BIAS CONTROLS LEFT PATTERN. BIAS = VARY. |
| 6AL7 | 6.3 | HS-5348-0 | -- | -- | P4 | G | ---- | BIAS CONTROLS BOTH PATTERNS. BIAS = VARY. |
| 6AL7 | 6.3 | HS-4358-0 | -- | -- | P4 | G | ---- | BIAS CONTROLS RIGHT PATTERN. BIAS = VARY. |
| 6AN4 | 6.3 | JX-1502-0 | 0.8 | -- | P4 | C | 5650 | |
| 6AN6 | 6.3 | HR-0506-0 | 0.0 | -- | P1 | E | ---- | PLATE NO. 1. NOTE 3. |
| 6AN6 | 6.3 | HR-0406-0 | 0.0 | -- | P1 | E | ---- | PLATE NO. 2. NOTE 3. |
| 6AN6 | 6.3 | HR-0306-0 | 0.0 | -- | P1 | E | ---- | PLATE NO. 3. NOTE 3. |
| 6AN6 | 6.3 | HR-0206-0 | 0.0 | -- | P1 | E | ---- | PLATE NO. 4. NOTE 3. |
| 6AQ6 | 6.3 | ET-1702-0 | 1.8 | -- | P4 | D | 725 | TRIODE SECTION. |
| 6AQ6 | 6.3 | ET-0602-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6AQ6 | 6.3 | ET-0502-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6AQ7 | 6.3 | HY-4506-0 | 1.5 | -- | P4 | E | 630 | TRIODE SECTION. |
| 6AQ7 | 6.3 | HY-4102-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 6AQ7 | 6.3 | HY-4302-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 6AR5 | 6.3 | ET-1562-0 | 9.0 | -- | P4 | E | 1000 | |
| 6AR6 | 6.3 | GY-7351-0 | 4.0 | -- | P4 | C | 3400 | |
| 6AR8 | 6.3 | EV-6937-2 | 0.8 | -- | P4 | D | 2200 | PLATE NO. 1. DISREGARD NEON FLASH IN SHORT TESTING. |
| 6AR8 | 6.3 | EV-6837-2 | 0.8 | -- | P4 | D | 2200 | PLATE NO. 2. DISREGARD NEON FLASH IN SHORT TESTING. |
| 6AS5 | 6.3 | ET-2761-0 | 10.5 | -- | P4 | C | 3530 | |
| 6AU7 | 6.3 | EV-7608-0 | 3.2 | -- | P4 | D | 1950 | TRIODE NO. 1. |
| 6AU7 | 6.3 | EV-2103-0 | 3.2 | -- | P4 | D | 1950 | TRIODE NO. 2. |
| 6AV5 | 6.3 | HS-1583-0 | 6.5 | -- | -- | C | 3500 | HOLD DOWN P1 & PRESS P4. |
| 6AW7 | 6.3 | HY-2601-0 | 0.0 | -- | P4 | E | 750 | TRIODE SECTION. |
| 6AW7 | 6.3 | HY-2305-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 6AW7 | 6.3 | HY-2401-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 6AX6 | 6.3 | HS-0508-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 6AX6 | 6.3 | HS-0304-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 6AX7 | 6.3 | EV-7608-0 | 1.3 | -- | P4 | D | 875 | TRIODE NO. 1. |
| 6AX7 | 6.3 | EV-2103-0 | 1.3 | -- | P4 | D | 875 | TRIODE NO. 2. |
| 6AX8 | 6.3 | EV-2637-0 | 0.8 | -- | P4 | D | 2400 | PENTODE SECTION. |
| 6AX8 | 6.3 | EV-9108-0 | 1.0 | -- | P4 | C | 5350 | TRIODE SECTION. |
| 6AZ5 | 6.3 | DW-0807-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 6AZ5 | 6.3 | DW-0102-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 6AZ6 | 6.3 | DW-0204-8 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 6AZ6 | 6.3 | DW-0705-8 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 6B4 | 6.3 | HS-5300-0 | 25.0 | -- | P4 | D | 1900 | |
| 6B5 | 6.3 | GR-4235-0 | 1.5 | -- | P4 | D | 950 | |
| 6B6 | 6.3 | HS-0308-0 | 0.9 | -- | P4 | D | 700 | TRIODE SECTION. CAP = G. |
| 6B6 | 6.3 | HS-0508-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6B6 | 6.3 | HS-0408-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6B7 | 6.3 | HR-0236-0 | 5.6 | -- | P4 | E | 630 | PENTODE SECTION. CAP = G. |
| 6B7 | 6.3 | HR-0536-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 6B7 | 6.3 | HR-0436-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 6B8 | 6.3 | HS-0368-1 | 4.0 | -- | P4 | E | 720 | PENTODE SECTION. CAP = G. |
| 6B8 | 6.3 | HS-0568-1 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6B8 | 6.3 | HS-0468-1 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6BD5 | 6.3 | HS-1583-0 | 2.3 | -- | P4 | D | 3150 | |
| 6BD6 | 6.3 | ET-1567-2 | 3.0 | -- | P4 | D | 1260 | |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|---|
| 6BE7 | 6.3 | EV-7163-9 | 6.0 | -- | P4 | E | 630 | |
| 6BE8 | 6.3 | EV-9678-3 | 0.8 | -- | P4 | D | 2400 | PENTODE SECTION. NOTE 6. |
| 6BE8 | 6.3 | EV-1203-0 | 1.0 | -- | P4 | C | 5350 | TRIODE SECTION. |
| 6BF5 | 6.3 | ET-1562-0 | 12.2 | -- | P4 | D | 2450 | |
| 6BF6 | 6.3 | ET-1702-0 | 3.0 | -- | P4 | E | 1200 | TRIODE SECTION. |
| 6BF6 | 6.3 | ET-1602-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6BF6 | 6.3 | ET-1502-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6BF7 | 6.3 | DW-7805-0 | 1.6 | -- | P4 | D | 3000 | TRIODE NO. 1. |
| 6BF7 | 6.3 | DW-2104-0 | 1.6 | -- | P4 | D | 3000 | TRIODE NO. 2. |
| 6BF8 | 6.3 | EV-0906-0 | 0.0 | -- | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 6BF8 | 6.3 | EV-0806-0 | 0.0 | -- | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 6BF8 | 6.3 | EV-0706-0 | 0.0 | -- | P1 | G | ---- | DIODE NO. 3. NOTE 3. |
| 6BF8 | 6.3 | EV-0306-0 | 0.0 | -- | P1 | G | ---- | DIODE NO. 4. NOTE 3. |
| 6BF8 | 6.3 | EV-0206-0 | 0.0 | -- | P1 | G | ---- | DIODE NO. 5. NOTE 3. |
| 6BF8 | 6.3 | EV-0106-0 | 0.0 | -- | P1 | G | ---- | DIODE NO. 6. NOTE 3. |
| 6BG6 | 6.3 | HS-5083-0 | 4.5 | -- | P4 | C | 3800 | CAP = P. |
| 6BG7 | 6.3 | DW-7805-0 | 1.6 | -- | P4 | D | 3000 | TRIODE NO. 1. |
| 6BG7 | 6.3 | DW-2104-0 | 1.6 | -- | P4 | D | 3000 | TRIODE NO. 2. |
| 6BJ6 | 6.3 | ET-1562-7 | 0.8 | -- | P4 | C | 2400 | |
| 6BK5 | 6.3 | EV-3186-0 | 0.0 | -- | P4 | C | 4700 | |
| 6BK6 | 6.3 | ET-1702-5 | 0.8 | -- | P4 | D | 790 | TRIODE SECTION. |
| 6BK6 | 6.3 | ET-0602-5 | 0.0 | -- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 6BK6 | 6.3 | ET-0502-7 | 0.0 | -- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 6BL4 | 6.3 | HY-0503-0 | 0.0 | 90 | P3 | G | ---- | NOTE 3. |
| 6BS8 | 6.3 | EV-7608-9 | 0.0 | -- | P4 | C | 4100 | TRIODE NO. 1. PLATE VOLTS = LOW. |
| 6BS8 | 6.3 | EV-2103-9 | 0.0 | -- | P4 | C | 4100 | TRIODE NO. 2. PLATE VOLTS = LOW. |
| 6BT6 | 6.3 | ET-1702-0 | 2.1 | -- | P4 | D | 820 | TRIODE SECTION. |
| 6BT6 | 6.3 | ET-1602-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 6BT6 | 6.3 | ET-1502-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 6BT8 | 6.3 | EV-8679-0 | 1.0 | -- | P4 | C | 3900 | PENTODE SECTION. |
| 6BT8 | 6.3 | EV-0103-0 | 0.0 | -- | P1 | E | ---- | DIODE NO. 1. NOTE 3. |
| 6BT8 | 6.3 | EV-0203-0 | 0.0 | -- | P1 | E | ---- | DIODE NO. 2. NOTE 3. |
| 6BU6 | 6.3 | ET-1702-0 | 6.0 | -- | P4 | E | 950 | TRIODE SECTION. |
| 6BU6 | 6.3 | ET-1602-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 6BU6 | 6.3 | ET-1502-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 6BV8 | 6.3 | EV-2301-0 | 2.3 | -- | P4 | C | 3500 | TRIODE SECTION. |
| 6BV8 | 6.3 | EV-0907-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 6BV8 | 6.3 | EV-0608-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 6BW4 | 6.3 | EV-0709-1 | 0.0 | 75 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 6BW4 | 6.3 | EV-0109-7 | 0.0 | 75 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 6BX6 | 6.3 | EV-2781-9 | 0.5 | -- | P4 | C | 4500 | |
| 6BX7 | 6.3 | HY-4506-2 | 7.0 | -- | P4 | C | 4800 | TRIODE NO. 1. |
| 6BX7 | 6.3 | HY-1203-5 | 7.0 | -- | P4 | C | 4800 | TRIODE NO. 2. |
| 6BX8 | 6.3 | EV-7608-9 | 1.0 | -- | P4 | C | 3400 | TRIODE NO. 1. PLATE VOLTS = LOW. |
| 6BX8 | 6.3 | EV-2103-9 | 1.0 | -- | P4 | C | 3400 | TRIODE NO. 2. PLATE VOLTS = LOW. |
| 6BY5 | 6.3 | HS-0508-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 6BY5 | 6.3 | HS-0401-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 6BZ8 | 6.3 | EV-7608-9 | 2.2 | -- | P4 | C | 2500 | TRIODE NO. 1. |
| 6BZ8 | 6.3 | EV-2103-9 | 2.2 | -- | P4 | C | 2500 | TRIODE NO. 2. |
| 6C5 | 6.3 | HS-5308-0 | 4.2 | -- | P4 | E | 1260 | |
| 6C6 | 6.3 | GR-0235-4 | 3.3 | -- | P4 | E | 770 | CAP = G. |
| 6C7 | 6.3 | HR-0206-0 | 6.9 | -- | P4 | E | 780 | TRIODE SECTION. CAP = G. |
| 6C7 | 6.3 | HR-0506-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6C7 | 6.3 | HR-0406-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6C8 | 6.3 | HS-5608-0 | 2.1 | -- | P4 | D | 1000 | TRIODE NO. 1. |
| 6C8 | 6.3 | HS-0304-0 | 2.1 | -- | P4 | D | 1000 | TRIODE NO. 2. CAP = G. |
| 6CF6 | 6.3 | ET-1562-7 | 1.0 | -- | P4 | C | 3900 | |
| 6CH7 | 6.3 | EV-7608-0 | 2.2 | -- | P4 | C | 4300 | TRIODE NO. 1. |
| 6CH7 | 6.3 | EV-2103-0 | 2.2 | -- | P4 | C | 4300 | TRIODE NO. 2. |
| 6CH8 | 6.3 | EV-7236-0 | 0.8 | -- | P4 | C | 3900 | PENTODE SECTION. DISREGARD NEON FLASH IN SHORT TESTING. |
| 6CH8 | 6.3 | EV-8901-0 | 4.6 | -- | P4 | D | 2100 | TRIODE SECTION. |
| 6CJ6 | 6.3 | EV-2073-1 | 16.0 | -- | P4 | D | 2900 | CAP = P. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-------------|------|-----------|------------|-------|-------|-------|----------------|--|
| 6CK4 | 6.3 | HS-1508-0 | 16.0 | -- | P4 | C | 3500 | PENTODE SECTION. |
| 6CK6 | 6.3 | EV-2713-6 | 0.5 | --- | P4 | C | 6300 | |
| 6CMB | 6.3 | EV-2673-0 | 1.0 | --- | P4 | C | 3900 | |
| 6CM8 | 6.3 | EV-9108-0 | 1.1 | -- | P4 | D | 1260 | TRIODE SECTION. |
| 6CR6 | 6.3 | ET-7561-2 | 2.8 | -- | P4 | D | 1225 | PENTODE SECTION. |
| 6CR6 | 6.3 | ET-0201-0 | 0.0 | --- | P1 | D | ---- | DIODE SECTION. NOTE 3. |
| 6CR8 | 6.3 | EV-2673-8 | 1.0 | -- | P4 | D | 3000 | PENTODE SECTION. |
| 6CR8 | 6.3 | EV-9108-0 | 2.8 | -- | P4 | D | 2500 | TRIODE SECTION. |
| 6CU6 | 6.3 | HS-5048-0 | 12.0 | -- | P4 | C | 3500 | CAP = P. |
| 6D4 | 6.3 | ET-1705-0 | -- | 87 | P5 | C | ---- | STRIKES AT ABOUT 21 V. NOTES 2 & 3 |
| 6D5 | 6.3 | HS-5308-0 | 19.0 | -- | P4 | D | 1260 | |
| 6D6 | 6.3 | GR-0235-4 | 3.3 | -- | P4 | E | 1000 | CAP = G. |
| 6D7 | 6.3 | HR-0236-4 | 4.0 | --- | P4 | E | 770 | CAP = G. |
| 6D8 | 6.3 | HS-0348-5 | 0.0 | -- | -- | E | 820 | AMPL. SECTION. CAP = G. HOLD DOWN P1 & PRESS P4. OSC. SECTION. |
| 6D8 | 6.3 | HS-5648-3 | 0.5 | --- | P4 | F | 190 | |
| 6DA6 | 6.3 | EV-2783-9 | 2.2 | --- | P4 | D | 1900 | |
| 6DA7 | 6.3 | EV-7608-0 | 3.4 | --- | P4 | D | 1650 | TRIODE NO. 1. |
| 6DA7 | 6.3 | EV-3109-0 | 15.0 | --- | P4 | C | 3700 | TRIODE NO. 2. |
| 6DB6 | 6.3 | ET-1562-7 | 2.0 | -- | P4 | D | 1300 | GRID NO. 1. |
| 6DB6 | 6.3 | ET-7562-1 | 3.2 | --- | -- | D | 630 | GRID NO.3. HOLD DOWN P1 & PRESS P4 |
| 6DN6 | 6.3 | HS-5083-0 | 0.0 | --- | P4 | C | 7000 | CAP = P. PLATE VOLTS = LOW. |
| 6DW5 | 6.3 | EV-3917-0 | 12.0 | --- | P4 | C | 3500 | |
| 6DX4 | 6.3 | ET-2105-0 | 3.6 | --- | P4 | C | 5350 | |
| 6E5 | 6.3 | GR-5403-0 | 0.0 | -- | P4 | G | ---- | EYE OPEN. SHORT ON B. |
| 6E5 | 6.3 | GR-5423-0 | 0.0 | --- | P4 | G | ---- | EYE CLOSED. SHORT ON B. |
| 6E6 | 6.3 | HR-5604-0 | 13.5 | --- | P4 | E | 880 | TRIODE NO. 1. |
| 6E6 | 6.3 | HR-3204-0 | 13.5 | --- | P4 | E | 880 | TRIODE NO. 2. |
| 6E7 | 6.3 | HR-0236-4 | 4.0 | --- | P4 | E | 950 | CAP = G. |
| 6F4 | 6.3 | GR-2307-0 | 2.2 | -- | P4 | C | 3800 | PLATE VOLTS = LOW. |
| MODEL 539C# | | | | | | | | |
| 6F4 | 6.3 | HS-1306-0 | 2.2 | -- | P4 | C | 3800 | PLATE VOLTS = LOW. USE ADAPTER SA-7, 1050-9. |
| 6F5 | 6.3 | HS-0408-1 | 0.9 | -- | P4 | D | 950 | CAP = G. |
| 6F6 | 6.3 | HS-5348-1 | 1.7 | --- | P4 | D | 1640 | |
| 6F7 | 6.3 | HR-0236-5 | 5.0 | -- | P4 | E | 700 | PENTODE SECTION. CAP = G. |
| 6F7 | 6.3 | HR-5406-3 | 5.0 | --- | P4 | E | 315 | TRIODE SECTION. |
| 6F8 | 6.3 | HS-5608-0 | 4.8 | --- | P4 | E | 1260 | TRIODE NO. 1. |
| 6F8 | 6.3 | HS-0304-0 | 4.8 | --- | P4 | E | 1260 | TRIODE NO. 2. CAP = G. |
| 6FH6 | 6.3 | HS-5048-0 | 0.0 | --- | P4 | C | 3100 | CAP = P. PLATE VOLTS = LOW. |
| 6FR7 | 6.3 | EV-7608-0 | 1.6 | --- | P4 | D | 1000 | TRIODE NO. 1. |
| 6FR7 | 6.3 | EV-3109-0 | 17.0 | --- | P4 | C | 6000 | TRIODE NO. 2. |
| 6FW8 | 6.3 | EV-7608-0 | 3.0 | --- | P4 | C | 5400 | TRIODE NO. 1. |
| 6FW8 | 6.3 | EV-2103-0 | 3.0 | --- | P4 | C | 5400 | TRIODE NO. 2. |
| 6G5 | 6.3 | GR-5403-0 | 0.0 | --- | P4 | G | ---- | EYE OPEN. SHORT ON B. |
| 6G5 | 6.3 | GR-5423-0 | 0.0 | --- | P4 | G | ---- | EYE CLOSED. SHORT ON B. |
| 6G6 | 6.3 | HS-5348-0 | 5.6 | --- | P4 | C | 1325 | |
| 6GC6 | 6.3 | HS-5083-0 | 15.0 | --- | P4 | C | 3600 | CAP = P. |
| 6GD7 | 6.3 | EV-9678-0 | 0.6 | --- | P4 | C | 5250 | PENTODE SECTION. |
| 6GD7 | 6.3 | EV-1203-0 | 1.4 | --- | P4 | C | 6250 | TRIODE SECTION. |
| 6GS8 | 6.3 | EV-7821-9 | 0.0 | --- | -- | D | 630 | PENTODE NO. 1. HOLD DOWN P1 & PRESS P4. |
| 6GS8 | 6.3 | EV-7321-6 | 0.0 | --- | -- | D | 630 | PENTODE NO. 2. HOLD DOWN P1 & PRESS P4. |
| 6GW5 | 6.3 | ET-2105-0 | 1.2 | -- | P4 | B | 9400 | |
| 6H4 | 6.3 | HS-0408-0 | 0.0 | 0 | P1 | G | ---- | NOTE 3. |
| 6H5 | 6.3 | GR-5403-0 | 0.0 | --- | P4 | G | ---- | EYE OPEN. SHORT ON B. |
| 6H5 | 6.3 | GR-5423-0 | 0.0 | --- | P4 | G | ---- | EYE CLOSED. SHORT ON B. |
| 6H6 | 6.3 | HS-0508-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 6H6 | 6.3 | HS-0304-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 6J5 | 6.3 | HS-5308-0 | 3.7 | -- | P4 | D | 1640 | |
| 6J7 | 6.3 | HS-0348-5 | 4.0 | --- | P4 | E | 770 | CAP = G. |
| 6J8 | 6.3 | HS-5348-6 | 2.5 | --- | P4 | D | 630 | HEPTODE SECTION. CAP = G. |

SEE NEXT PAGE FOR CONTINUATION

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|--------------------|------|-----------|------------|-------|-------|-------|-----------------|--|
| 6J8 | 6.3 | HS-5608-4 | 3.0 | -- | P4 | D | 1000 | TRIODE SECTION. |
| 6JA8 | 6.3 | EV-7986-0 | 1.0 | -- | P4 | C | 5700 | TETRODE SECTION. |
| 6JAB | 6.3 | EV-2301-0 | 1.6 | -- | P4 | D | 2200 | TRIODE SECTION. |
| 6K4 | 6.3 | DU-2105-0 | 1.1 | -- | P4 | C | 3500 | PLATE VOLTS = LOW. |
| 6K5 | 6.3 | HS-0308-0 | 2.0 | -- | P4 | D | 880 | CAP = G. |
| 6K7 | 6.3 | HS-0348-5 | 2.8 | -- | P4 | E | 910 | CAP = G. |
| 6K8 | 6.3 | HS-5348-6 | 1.1 | -- | P4 | D | 630 | HEXODE SECTION. CAP = G. |
| 6K8 | 6.3 | HS-5608-4 | 2.0 | -- | P4 | D | 1900 | TRIODE SECTION. |
| 6KS8 | 6.3 | EV-7986-0 | 2.8 | -- | P4 | C | 4000 | PENTODE SECTION. |
| 6KS8 | 6.3 | EV-2301-0 | 1.2 | -- | P4 | D | 2500 | TRIODE SECTION. |
| 6L4 | 6.3 | GR-2307-0 | 1.4 | -- | P4 | C | 4000 | PLATE VOLTS = LOW. |
| MODEL 539C# 6L4 | 6.3 | HS-1306-0 | 1.4 | -- | P4 | C | 4000 | PLATE VOLTS = LOW. USE ADAPTER SA-7, 1050-9. |
| 6L5 | 6.3 | HS-5308-0 | 6.0 | -- | P4 | E | 950 | |
| 6L7 | 6.3 | HS-0348-5 | 5.0 | -- | P4 | E | 410 | CAP GRID. CAP = G. |
| 6L7 | 6.3 | HS-5348-1 | 5.0 | -- | P4 | E | 410 | PIN GRID. |
| 6N4 | 6.3 | ET-1502-0 | 1.7 | -- | P4 | C | 3800 | |
| 6N5 | 6.3 | GR-5403-0 | 0.0 | 100 | P4 | G | ---- | EYE OPEN. SHORT ON B. |
| 6N5 | 6.3 | GR-5423-0 | 0.0 | 100 | P4 | G | ---- | EYE CLOSED. SHORT ON B. |
| 6N6 | 6.3 | HS-5348-0 | 0.0 | -- | P4 | E | 950 | |
| 6N7 | 6.3 | HS-5608-3 | 3.0 | -- | P4 | D | 950 | TRIODE NO. 1. |
| 6N7 | 6.3 | HS-4308-6 | 3.0 | -- | P4 | D | 950 | TRIODE NO. 2. |
| 6N8 | 6.3 | EV-2613-9 | 0.9 | -- | P4 | E | 1400 | PENTODE SECTION. |
| 6N8 | 6.3 | EV-2713-9 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6N8 | 6.3 | EV-2813-9 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6P5 | 6.3 | HS-5308-0 | 6.2 | -- | P4 | E | 910 | |
| 6P7 | 6.3 | CT-0458-6 | 5.0 | -- | P4 | E | 700 | PENTODE SECTION. CAP = G. |
| 6P7 | 6.3 | CT-7608-4 | 5.0 | -- | P4 | E | 315 | TRIODE SECTION. |
| 6Q4 | 6.3 | EV-1903-0 | 0.5 | -- | P4 | B | 7600 | |
| 6Q5 | 6.3 | HS-5308-0 | -- | 89 | P5 | G | ---- | STRIKES AT ABOUT 16 V. NOTES 2 & 3 |
| 6Q6 | 6.3 | HS-0308-0 | 2.3 | -- | P4 | E | 630 | TRIODE SECTION. CAP = G. |
| 6Q6 | 6.3 | HS-0508-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6Q6 | 6.3 | HS-0408-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6Q7 | 6.3 | HS-0308-1 | 2.3 | -- | P4 | E | 500 | TRIODE SECTION. CAP = G. |
| 6Q7 | 6.3 | HS-0508-3 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6Q7 | 6.3 | HS-0408-3 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6R7 | 6.3 | HS-0308-1 | 4.0 | -- | P4 | E | 1200 | TRIODE SECTION. CAP = G. |
| 6R7 | 6.3 | HS-0508-3 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6R7 | 6.3 | HS-0408-3 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6R8 | 6.3 | EV-8907-2 | 4.8 | -- | P4 | E | 1200 | TRIODE SECTION. |
| 6R8 | 6.3 | EV-0107-8 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 6R8 | 6.3 | EV-0607-8 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 6R8 | 6.3 | EV-0203-9 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 3. NOTE 3. |
| 6S7 | 6.3 | HS-0348-5 | 4.8 | -- | P4 | E | 1100 | CAP = G. |
| 6S8 | 6.3 | HY-0602-0 | 0.8 | -- | P4 | E | 570 | TRIODE SECTION. CAP = G. |
| 6S8 | 6.3 | HY-0305-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6S8 | 6.3 | HY-0402-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6S8 | 6.3 | HY-0102-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 3. NOTE 3. |
| 6SA7 | 6.3 | HS-8346-5 | 0.0 | -- | -- | D | 760 | AMPL. SECTION. HOLD DOWN P1 & PRESS P4. |
| 6SA7 | 6.3 | HS-5406-8 | 0.0 | -- | P4 | C | 2840 | OSC. SECTION. |
| 6SB7 | 6.3 | HS-8346-5 | 0.0 | -- | -- | D | 1070 | AMPL. SECTION. HOLD DOWN P1 & PRESS P4. |
| 6SB7 | 6.3 | HS-5406-8 | 0.0 | -- | P4 | C | 5000 | OSC. SECTION. |
| 6SC7 | 6.3 | HY-4506-2 | 0.9 | -- | P4 | D | 830 | TRIODE NO. 1. |
| 6SC7 | 6.3 | HY-3206-5 | 0.9 | -- | P4 | D | 830 | TRIODE NO. 2. |
| 6SD7 | 6.3 | HS-4865-3 | 2.6 | -- | P4 | D | 1900 | |
| 6SF5 | 6.3 | HY-3502-1 | 0.9 | -- | P4 | D | 950 | |
| 6SF7 | 6.3 | HY-2643-1 | 0.9 | -- | P4 | D | 1260 | PENTODE SECTION. |
| 6SF7 | 6.3 | HY-0543-6 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTE 3. |
| 6SG7 | 6.3 | HS-4865-1 | 0.8 | -- | P4 | C | 2500 | |
| 6SH7 | 6.3 | HS-4865-1 | 0.6 | -- | P4 | C | 2500 | |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|---|
| 6SJ7 | 6.3 | HS-4865-3 | 3.3 | -- | P4 | D | 1040 | |
| 6SK7 | 6.3 | HS-4865-3 | 2.0 | -- | P4 | D | 1260 | |
| 6SL7 | 6.3 | HY-4506-2 | 0.4 | -- | P4 | D | 1000 | TRIODE NO. 1. |
| 6SL7 | 6.3 | HY-1203-5 | 0.4 | -- | P4 | D | 1000 | TRIODE NO. 2. |
| 6SQ7 | 6.3 | HY-2603-1 | 1.1 | -- | P4 | D | 700 | TRIODE SECTION. |
| 6SQ7 | 6.3 | HY-0503-6 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6SQ7 | 6.3 | HY-0403-6 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6SR7 | 6.3 | HY-2603-1 | 4.5 | -- | P4 | D | 1200 | TRIODE SECTION. |
| 6SR7 | 6.3 | HY-0503-6 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6SR7 | 6.3 | HY-0403-6 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6SS7 | 6.3 | HS-4865-3 | 3.3 | -- | P4 | E | 1160 | |
| 6ST7 | 6.3 | HY-2603-1 | 3.5 | -- | P4 | E | 1200 | TRIODE SECTION. |
| 6ST7 | 6.3 | HY-0503-6 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6ST7 | 6.3 | HY-0403-6 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6SU7 | 6.3 | HY-4506-2 | 1.0 | -- | P4 | D | 1000 | TRIODE NO. 1. |
| 6SU7 | 6.3 | HY-1203-5 | 1.0 | -- | P4 | D | 1000 | TRIODE NO. 2. |
| 6SV7 | 6.3 | HY-2643-0 | 1.0 | -- | P4 | D | 1640 | PENTODE SECTION. |
| 6SV7 | 6.3 | HY-2543-0 | 0.0 | -- | P1 | G | ---- | DIODE SECTION. NOTE 3. |
| 6SZ7 | 6.3 | HY-2603-1 | 1.5 | -- | P4 | D | 760 | TRIODE SECTION. |
| 6SZ7 | 6.3 | HY-0503-1 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6SZ7 | 6.3 | HY-0403-1 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6T5 | 6.3 | GR-5403-0 | 0.0 | -- | P4 | G | ---- | EYE OPEN. SHORT ON B. |
| 6T5 | 6.3 | GR-5423-0 | 0.0 | -- | P4 | G | ---- | EYE CLOSED. SHORT ON B. |
| 6T7 | 6.3 | HS-0308-0 | 2.3 | -- | P4 | E | 630 | TRIODE SECTION. CAP = G. |
| 6T7 | 6.3 | HS-0508-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6T7 | 6.3 | HS-0408-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6U3 | 6.3 | EV-0903-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| 6U4 | 6.3 | HY-0503-0 | 0.0 | 90 | P3 | G | ---- | NOTE 3. |
| 6U5 | 6.3 | GR-5403-0 | 0.0 | -- | P4 | G | ---- | EYE OPEN. SHORT ON B. |
| 6U5 | 6.3 | GR-5423-0 | 0.0 | -- | P4 | G | ---- | EYE CLOSED. SHORT ON B. |
| 6U6 | 6.3 | HS-5348-0 | 3.7 | -- | -- | C | 3900 | HOLD DOWN P1 & PRESS P4. |
| 6U7 | 6.3 | HS-0348-5 | 3.3 | -- | P4 | D | 1000 | CAP = G. |
| 6V4 | 6.3 | EV-0703-1 | 0.0 | 80 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 6V4 | 6.3 | EV-0103-7 | 0.0 | 80 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 6V7 | 6.3 | HS-0308-0 | 11.8 | -- | P4 | E | 610 | TRIODE SECTION. CAP = G. |
| 6V7 | 6.3 | HS-0508-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6V7 | 6.3 | HS-0408-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6V8 | 6.3 | EV-6103-8 | 2.2 | -- | P4 | D | 760 | TRIODE SECTION. |
| 6V8 | 6.3 | EV-0903-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6V8 | 6.3 | EV-0708-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 6V8 | 6.3 | EV-0203-8 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 3. NOTE 3. |
| 6W5 | 6.3 | HS-0508-0 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 6W5 | 6.3 | HS-0308-0 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 6W7 | 6.3 | HS-0348-5 | 4.2 | -- | P4 | D | 775 | CAP = G. |
| 6Y5 | 6.3 | GR-0504-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 6Y5 | 6.3 | GR-0304-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 6Y6 | 6.3 | HS-5348-0 | 6.5 | -- | -- | C | 3150 | HOLD DOWN P1 & PRESS P4. |
| 6Y7 | 6.3 | HS-5608-3 | 1.6 | -- | P4 | D | 630 | TRIODE NO. 1. |
| 6Y7 | 6.3 | HS-4308-6 | 1.6 | -- | P4 | D | 630 | TRIODE NO. 2. |
| 6Z7 | 6.3 | HS-5608-0 | 0.9 | -- | P4 | E | 760 | TRIODE NO. 1. |
| 6Z7 | 6.3 | HS-4308-0 | 0.9 | -- | P4 | E | 760 | TRIODE NO. 2. |
| 6ZY5 | 6.3 | HS-0508-0 | 0.0 | 83 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 6ZY5 | 6.3 | HS-0308-0 | 0.0 | 83 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 7A4 | 6.3 | JR-6207-0 | 3.7 | -- | P4 | D | 1640 | |
| 7A5 | 6.3 | JR-6237-0 | 8.7 | -- | P4 | C | 3800 | |
| 7A6 | 6.3 | JR-0607-5 | 0.0 | -- | P1 | E | ---- | DIODE NO. 1. NOTE 3. |
| 7A6 | 6.3 | JR-0302-5 | 0.0 | -- | P1 | E | ---- | DIODE NO. 2. NOTE 3. |
| 7A7 | 6.3 | JR-6237-4 | 3.0 | -- | P4 | D | 1260 | |
| 7A8 | 6.3 | JR-6257-4 | 0.0 | -- | -- | E | 630 | AMPL. SECTION. HOLD DOWN P1 & PRESS P4. |
| 7A8 | 6.3 | JR-4357-6 | 3.0 | -- | -- | E | 315 | OSC. SECTION. HOLD DOWN P1 & PRESS P4. |
| 7AB7 | 6.3 | HS-5314-0 | 1.5 | -- | P4 | D | 1150 | |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | MUTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|--|
| 7AD7 | 6.3 | JR-6237-4 | 0.5 | -- | P4 | C | 5350 | |
| 7AF7 | 6.3 | JR-5607-0 | 4.2 | -- | P4 | D | 1640 | TRIODE NO. 1. |
| 7AF7 | 6.3 | JR-4302-0 | 4.2 | -- | P4 | D | 1640 | TRIODE NO. 2. |
| 7AG7 | 6.3 | JR-6237-4 | 0.9 | -- | P4 | D | 1900 | |
| 7AH7 | 6.3 | JR-6237-4 | 0.9 | -- | P4 | D | 2100 | |
| 7AJ7 | 6.3 | JR-6237-4 | 1.5 | -- | P4 | D | 1430 | |
| 7AK7 | 6.3 | JR-6237-4 | 0.1 | -- | P4 | C | 2500 | |
| 7B4 | 6.3 | JR-6207-0 | 0.9 | -- | P4 | D | 950 | |
| 7B5 | 6.3 | JR-6237-0 | 9.0 | -- | P4 | E | 1000 | |
| 7B6 | 6.3 | JR-3207-0 | 1.3 | -- | P4 | D | 700 | TRIODE SECTION. |
| 7B6 | 6.3 | JR-0607-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 7B6 | 6.3 | JR-0507-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 7B7 | 6.3 | JR-6237-4 | 4.8 | -- | P4 | E | 1070 | |
| 7B8 | 6.3 | JR-6257-4 | 0.0 | -- | -- | E | 820 | AMPL. SECTION. HOLD DOWN P1 & PRESS P4. |
| 7B8 | 6.3 | JR-4357-6 | 0.0 | -- | -- | E | 630 | OSC. SECTION. HOLD DOWN P1 & PRESS P4. |
| 7C4 | 6.3 | JR-0407-0 | 0.0 | -- | P1 | E | ---- | DIODE. NOTE 3. |
| 7C5 | 6.3 | JR-6237-0 | 5.0 | -- | P4 | C | 2600 | |
| 7C6 | 6.3 | JR-3207-0 | 0.4 | -- | P4 | D | 570 | TRIODE SECTION. |
| 7C6 | 6.3 | JR-0607-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 7C6 | 6.3 | JR-0507-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 7C7 | 6.3 | JR-6237-4 | 2.4 | -- | P4 | D | 820 | |
| 7E5 | 6.3 | JS-1304-0 | 2.4 | -- | P4 | D | 1900 | |
| 7E6 | 6.3 | JR-3207-0 | 4.0 | -- | P4 | D | 1200 | TRIODE SECTION. |
| 7E6 | 6.3 | JR-0607-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 7E6 | 6.3 | JR-0507-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 7E7 | 6.3 | JR-6257-0 | 3.5 | -- | P4 | D | 820 | PENTODE SECTION. |
| 7E7 | 6.3 | JR-0407-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 7E7 | 6.3 | JR-0307-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 7F7 | 6.3 | JR-5607-3 | 0.9 | -- | P4 | E | 820 | TRIODE NO. 1. |
| 7F7 | 6.3 | JR-4302-6 | 0.9 | -- | P4 | E | 820 | TRIODE NO. 2. |
| 7F8 | 6.3 | HS-8605-0 | 1.1 | -- | P4 | C | 3150 | TRIODE NO. 1. |
| 7F8 | 6.3 | HS-1304-0 | 1.1 | -- | P4 | C | 3150 | TRIODE NO. 2. |
| 7G7 | 6.3 | JR-6237-4 | 1.1 | -- | P4 | D | 2840 | |
| 7G8 | 6.3 | JR-5736-2 | 0.4 | -- | P4 | E | 1320 | TETRODE NO. 1. |
| 7G8 | 6.3 | JR-4236-7 | 0.4 | -- | P4 | E | 1320 | TETRODE NO. 2. |
| 7H7 | 6.3 | JR-6237-4 | 1.5 | -- | P4 | C | 2400 | |
| 7J7 | 6.3 | JR-6257-4 | 1.4 | -- | P4 | D | 500 | HEPTODE SECTION. |
| 7J7 | 6.3 | JR-4307-5 | 3.5 | -- | P4 | D | 630 | TRIODE SECTION. |
| 7K7 | 6.3 | JR-4302-0 | 0.9 | -- | P4 | D | 1000 | TRIODE SECTION. |
| 7K7 | 6.3 | JR-0507-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 7K7 | 6.3 | JR-0607-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 7L7 | 6.3 | JR-6237-4 | 0.6 | -- | P4 | D | 1900 | |
| 7N7 | 6.3 | JR-5607-3 | 4.2 | -- | P4 | D | 1640 | TRIODE NO. 1. |
| 7N7 | 6.3 | JR-4302-6 | 4.2 | -- | P4 | D | 1640 | TRIODE NO. 2. |
| 7Q7 | 6.3 | JR-6237-4 | 0.0 | -- | -- | D | 630 | AMPL. SECTION. HOLD DOWN P1 & PRESS P4. |
| 7Q7 | 6.3 | JR-4307-6 | 0.0 | -- | P4 | C | 3460 | OSC. SECTION. |
| 7R7 | 6.3 | JR-6257-0 | 1.5 | -- | P4 | D | 1900 | PENTODE SECTION. |
| 7R7 | 6.3 | JR-0407-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 7R7 | 6.3 | JR-0307-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 7S7 | 6.3 | JR-6257-4 | 3.0 | -- | P4 | D | 950 | HEPTODE SECTION. |
| 7S7 | 6.3 | JR-4307-5 | 2.0 | -- | P4 | D | 950 | TRIODE SECTION. |
| 7T7 | 6.3 | JR-6237-4 | 2.1 | -- | P4 | D | 1900 | |
| 7V7 | 6.3 | JR-6237-4 | 1.0 | -- | P4 | C | 2500 | |
| 7W7 | 6.3 | JR-6237-5 | 1.0 | -- | P4 | C | 2500 | |
| 7X6 | 6.3 | JR-0607-0 | 0.0 | 90 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 7X6 | 6.3 | JR-0302-0 | 0.0 | 90 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 7X7 | 6.3 | JR-3204-0 | 1.1 | -- | P4 | D | 630 | TRIODE SECTION. |
| 7X7 | 6.3 | JR-0504-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 7X7 | 6.3 | JR-0607-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 7Y4 | 6.3 | JR-0607-0 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |

SEE NEXT PAGE FOR CONTINUATION

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|--|
| 7Y4 | 6.3 | JR-0307-0 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTE 3. PLATE NO. 1. NOTE 3. PLATE NO. 2. NOTE 3. |
| 7Z4 | 6.3 | JR-0607-0 | 0.0 | 78 | P3 | G | ---- | |
| 7Z4 | 6.3 | JR-0307-0 | 0.0 | 78 | P3 | G | ---- | |
| 8CY7 | 7.5 | EV-7608-0 | 1.5 | -- | P4 | D | 800 | TRIODE NO. 1. |
| 8CY7 | 7.5 | EV-2109-0 | 20.0 | -- | P4 | C | 3400 | TRIODE NO. 2. |
| 8HA6 | 7.5 | EV-2761-3 | 0.8 | -- | P4 | B | 8200 | |
| 8HG8 | 7.5 | EV-2893-0 | 0.6 | -- | P4 | C | 5400 | PENTODE SECTION. |
| 8HG8 | 7.5 | EV-6703-0 | 5.4 | -- | P4 | D | 3000 | TRIODE SECTION. |
| 8JE8 | 7.5 | EV-7986-0 | 1.2 | -- | P4 | C | 5300 | PENTODE SECTION. |
| 8JE8 | 7.5 | EV-2301-0 | 2.4 | -- | P4 | E | 1550 | TRIODE SECTION. |
| 8JK8 | 7.5 | EV-7608-9 | 2.8 | -- | P4 | E | 1450 | TRIODE NO. 1. |
| 8JK8 | 7.5 | EV-2103-9 | 1.2 | -- | P4 | C | 7200 | TRIODE NO. 2. |
| 8JT8 | 7.5 | EV-7986-0 | 1.6 | -- | P4 | C | 5700 | PENTODE SECTION. USE 'MIN. & SUB-MIN.' SHORTS POSITION. |
| 8JT8 | 7.5 | EV-2301-0 | 2.6 | -- | P4 | E | 950 | TRIODE SECTION. |
| 8JU8 | 7.5 | EV-0809-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 8JU8 | 7.5 | EV-0708-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 8JU8 | 7.5 | EV-0203-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 3. NOTE 3. |
| 8JU8 | 7.5 | EV-0102-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 4. NOTE 3. |
| 8KS8 | 7.5 | EV-7986-0 | 2.8 | -- | P4 | C | 4000 | PENTODE SECTION. |
| 8KS8 | 7.5 | EV-2301-0 | 1.2 | -- | P4 | D | 2500 | TRIODE SECTION. |
| 8LE8 | 7.5 | EV-9683-7 | 2.0 | -- | P4 | E | 800 | PENTODE NO. 1. |
| 8LE8 | 7.5 | EV-9183-2 | 2.0 | -- | P4 | E | 800 | PENTODE NO. 2. |
| 9BR7 | 10.0 | EV-2103-0 | 1.6 | -- | P4 | D | 2500 | TRIODE SECTION. |
| 9BR7 | 10.0 | EV-0708-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 9BR7 | 10.0 | EV-0608-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 9CL8 | 10.0 | EV-9678-0 | 1.0 | -- | P4 | D | 2500 | TETRODE SECTION. |
| 9CL8 | 10.0 | EV-1203-0 | 0.7 | -- | P4 | C | 5000 | TRIODE SECTION. |
| 9DZ8 | 10.0 | EV-3672-0 | 6.8 | -- | P4 | C | 3400 | PENTODE SECTION. |
| 9DZ8 | 10.0 | EV-1908-0 | 2.6 | -- | P4 | E | 450 | TRIODE SECTION. |
| 9U8 | 10.0 | EV-2637-0 | 0.8 | -- | P4 | D | 2400 | PENTODE SECTION. |
| 9U8 | 10.0 | EV-9108-0 | 1.0 | -- | P4 | C | 5350 | TRIODE SECTION. |
| 9X8 | 10.0 | EV-7986-1 | 1.2 | -- | P4 | C | 2900 | PENTODE SECTION. |
| 9X8 | 10.0 | EV-2306-1 | 2.0 | -- | P4 | C | 3650 | TRIODE SECTION. |
| 10 | 7.5 | ER-3200-0 | 11.8 | -- | P4 | E | 790 | NOTE 6. |
| 10C8 | 10.0 | EV-8679-0 | 1.0 | -- | P4 | C | 4100 | PENTODE SECTION. |
| 10C8 | 10.0 | EV-2103-0 | 1.4 | -- | P4 | D | 2800 | TRIODE SECTION. |
| 10DA7 | 10.0 | EV-7608-0 | 3.4 | -- | P4 | D | 1650 | TRIODE NO. 1. |
| 10DA7 | 10.0 | EV-3109-0 | 15.0 | -- | P4 | C | 3700 | TRIODE NO. 2. |
| 10EB8 | 10.0 | EV-7986-0 | 0.8 | -- | P4 | C | 5000 | PENTODE SECTION. |
| 10EB8 | 10.0 | EV-2301-0 | 0.6 | -- | P4 | E | 1400 | TRIODE SECTION. |
| 10EW7 | 10.0 | EV-7608-0 | 5.4 | -- | P4 | E | 1200 | TRIODE NO. 1. |
| 10EW7 | 10.0 | EV-2109-0 | 17.0 | -- | P4 | C | 5000 | TRIODE NO. 2. |
| 10FD7 | 10.0 | EV-7608-0 | 0.8 | -- | P4 | E | 1000 | TRIODE NO. 1. |
| 10FD7 | 10.0 | EV-2109-0 | 3.4 | -- | P4 | C | 4700 | TRIODE NO. 2. |
| 10FR7 | 10.0 | EV-7608-0 | 1.6 | -- | P4 | D | 1000 | TRIODE NO. 1. |
| 10FR7 | 10.0 | EV-3109-0 | 17.0 | -- | P4 | C | 6000 | TRIODE NO. 2. |
| 10HA6 | 10.0 | EV-2761-3 | 0.8 | -- | P4 | B | 8200 | |
| 11C5 | 10.0 | ET-2761-0 | 1.5 | -- | -- | C | 3650 | HOLD DOWN P1 & PRESS P4. |
| 12A | 5.0 | ER-3200-0 | 14.0 | -- | P4 | E | 1040 | NOTE 6. |
| 12A4 | 12.6 | EV-2901-0 | 4.8 | -- | P4 | C | 4900 | |
| 12A5 | 12.6 | HR-4235-0 | 18.0 | -- | P4 | D | 1130 | |
| 12A6 | 12.6 | HS-5348-1 | 6.0 | -- | P4 | D | 1900 | |
| 12A7 | 12.6 | HR-0236-5 | 12.2 | -- | P4 | E | 610 | PENTODE SECTION. CAP = G. |
| 12A7 | 12.6 | HR-0504-2 | 0.0 | 88 | P3 | G | ---- | RECT. SECTION. NOTE 3. |
| 12A8 | 12.6 | HS-0348-5 | 1.0 | -- | P4 | D | 1000 | PENTODE SECTION. CAP = G. PLATE VOLTS = LOW. |
| 12A8 | 12.6 | HS-5648-3 | 4.0 | -- | P4 | F | 280 | OSC. SECTION. |
| 12AB5 | 12.6 | EV-3917-0 | 2.2 | -- | P4 | D | 2600 | |
| 12AC6 | 12.6 | ET-2657-1 | 1.0 | -- | P1 | D | ---- | OK ABOVE 1000 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12AD6 | 12.6 | ET-7652-1 | 5.0 | -- | P1 | D | ---- | MAKE NO GAS TEST. NOTE 3. |
| 12AD7 | 12.6 | EV-7608-0 | 1.3 | -- | P4 | D | 875 | TRIODE NO. 1. |

SEE NEXT PAGE FOR CONTINUATION

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|---|
| 12AD7 | 12.6 | EV-2103-0 | 1.3 | -- | P4 | D | 875 | TRIODE NO. 2. |
| 12AE6 | 12.6 | ET-0702-1 | 0.0 | -- | P1 | D | ---- | TRIODE SECTION. OK ABOVE 800 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12AE6 | 12.6 | ET-0602-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12AE6 | 12.6 | ET-0502-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12AE7 | 12.6 | EV-0608-7 | 0.0 | -- | P1 | E | ---- | TRIODE NO. 1. MAKE NO GAS TEST. NOTE 3. |
| 12AE7 | 12.6 | EV-0103-2 | 0.0 | 0 | P1 | G | ---- | TRIODE NO. 2. MAKE NO GAS TEST. NOTE 3. |
| 12AF6 | 12.6 | ET-1567-2 | 4.4 | -- | P4 | D | 725 | PLATE VOLTS = LOW. |
| 12AG6 | 12.6 | ET-7652-1 | 2.0 | -- | P1 | C | ---- | OK ABOVE DIODES OK. MAKE NO GAS TEST. NOTE 3. |
| 12AH7 | 12.6 | HY-5604-3 | 4.0 | -- | P4 | D | 1500 | TRIODE NO. 1. |
| 12AH7 | 12.6 | HY-1302-6 | 4.0 | -- | P4 | D | 1500 | TRIODE NO. 2. |
| 12AJ6 | 12.6 | ET-0702-1 | 0.0 | -- | P1 | D | ---- | TRIODE SECTION. OK ABOVE 500 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12AJ6 | 12.6 | ET-0602-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12AJ6 | 12.6 | ET-0502-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12AL8 | 12.6 | EV-0367-2 | 0.0 | 15 | P1 | G | ---- | TETRODE SECTION. MAKE NO GAS TEST. NOTE 3. |
| 12AL8 | 12.6 | EV-0109-8 | 0.0 | -- | P1 | D | ---- | TRIODE SECTION. OK ABOVE 600 ON 3000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12AS5 | 12.6 | ET-2761-0 | 10.5 | -- | P4 | C | 3530 | |
| 12AU8 | 12.6 | EV-7986-0 | 1.0 | -- | P4 | C | 4400 | PENTODE SECTION. |
| 12AU8 | 12.6 | EV-2301-0 | 1.5 | -- | P4 | C | 3100 | TRIODE SECTION. |
| 12AV7 | 12.6 | EV-7608-2 | 1.2 | -- | P4 | C | 5350 | TRIODE NO. 1. |
| 12AV7 | 12.6 | EV-2103-7 | 1.2 | -- | P4 | C | 5350 | TRIODE NO. 2. |
| 12AW6 | 12.6 | ET-1562-7 | 1.0 | -- | P4 | C | 3000 | |
| 12AX4 | 12.6 | HY-0503-0 | 0.0 | 89 | P3 | G | ---- | NOTE 3. |
| 12B7 | 12.6 | JR-6237-4 | 3.0 | -- | P4 | D | 1260 | |
| 12B8 | 12.6 | HS-0341-0 | 4.3 | -- | P4 | D | 1140 | PENTODE SECTION. CAP = G. |
| 12B8 | 12.6 | HS-8506-0 | 0.8 | -- | P4 | D | 1260 | TRIODE SECTION. |
| 12BH7 | 12.6 | EV-7608-2 | 5.2 | -- | P4 | D | 1950 | TRIODE NO. 1. |
| 12BH7 | 12.6 | EV-2103-7 | 5.2 | -- | P4 | D | 1950 | TRIODE NO. 2. |
| 12BK5 | 12.6 | EV-3186-0 | 0.0 | -- | P4 | C | 4700 | |
| 12BK6 | 12.6 | ET-1702-5 | 0.8 | -- | P4 | D | 790 | TRIODE SECTION. |
| 12BK6 | 12.6 | ET-0602-5 | 0.0 | -- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 12BK6 | 12.6 | ET-0502-7 | 0.0 | -- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 12BL6 | 12.6 | ET-2657-1 | 3.0 | -- | P1 | C | ---- | MAKE NO GAS TEST. NOTE 3. |
| 12BR7 | 12.6 | EV-2103-0 | 1.6 | -- | P4 | D | 2500 | TRIODE SECTION. |
| 12BR7 | 12.6 | EV-0708-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 12BR7 | 12.6 | EV-0608-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 12BT6 | 12.6 | ET-1702-0 | 2.1 | -- | P4 | D | 820 | TRIODE SECTION. |
| 12BT6 | 12.6 | ET-1602-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 12BT6 | 12.6 | ET-1502-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 12BU6 | 12.6 | ET-1702-0 | 6.0 | -- | P4 | E | 950 | TRIODE SECTION. |
| 12BU6 | 12.6 | ET-1602-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 12BU6 | 12.6 | ET-1502-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 12BV7 | 12.6 | EV-2781-3 | 1.6 | -- | P4 | C | 5650 | |
| 12BW4 | 12.6 | EV-0709-1 | 0.0 | 75 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 12BW4 | 12.6 | EV-0109-7 | 0.0 | 75 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 12BZ7 | 12.6 | EV-7608-0 | 1.2 | -- | P4 | D | 2000 | TRIODE NO. 1. |
| 12BZ7 | 12.6 | EV-2103-0 | 1.2 | -- | P4 | D | 2000 | TRIODE NO. 2. |
| 12C8 | 12.6 | HS-0368-1 | 4.0 | -- | P4 | D | 725 | PENTODE SECTION. CAP = G. |
| 12C8 | 12.6 | HS-0508-3 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12C8 | 12.6 | HS-0408-3 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12CM6 | 12.6 | EV-3917-0 | 3.3 | -- | P4 | D | 2600 | |
| 12CN5 | 12.6 | ET-0671-2 | 0.0 | -- | P1 | C | ---- | MAKE NO GAS TEST. NOTE 3. |
| 12CT8 | 12.6 | EV-8679-0 | 1.0 | -- | P4 | C | 4400 | PENTODE SECTION. |
| 12CT8 | 12.6 | EV-2103-0 | 1.5 | -- | P4 | C | 3100 | TRIODE SECTION. |
| 12CX6 | 12.6 | ET-2657-1 | 0.0 | -- | P1 | C | ---- | MAKE NO GAS TEST. NOTE 3. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|--|
| 12DE8 | 12.6 | EV-7869-1 | 0.0 | -- | P1 | D | ---- | PENTODE SECTION. MAKE NO GAS TEST. NOTE 3. |
| 12DE8 | 12.6 | EV-0302-0 | 0.0 | 0 | P1 | G | ---- | DIODE SECTION. NOTE 3. |
| 12DF5 | 12.6 | EV-0608-0 | 0.0 | 75 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 12DF5 | 12.6 | EV-0103-0 | 0.0 | 75 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 12DF7 | 12.6 | EV-7608-0 | 1.3 | -- | P4 | D | 875 | TRIODE NO. 1. |
| 12DF7 | 12.6 | EV-2103-0 | 1.3 | -- | P4 | D | 875 | TRIODE NO. 2. |
| 12DK6 | 12.6 | ET-1562-7 | 1.0 | -- | P4 | C | 4400 | |
| 12DK7 | 12.6 | EV-0372-1 | 0.0 | -- | P1 | E | ---- | TETRODE SECTION. MAKE NO GAS TEST. NOTE 3. |
| 12DK7 | 12.6 | EV-0602-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12DK7 | 12.6 | EV-0902-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12DL8 | 12.6 | EV-0362-7 | 0.0 | 10 | P1 | G | ---- | TETRODE SECTION. MAKE NO GAS TEST. NOTE 3. |
| 12DL8 | 12.6 | EV-0908-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12DL8 | 12.6 | EV-0108-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12DQ4 | 12.6 | JX-0503-0 | 0.0 | 80 | P3 | G | ---- | NOTE 3. |
| 12DQ7 | 12.6 | EV-2781-3 | 1.6 | -- | P4 | C | 5000 | |
| 12DS7 | 12.6 | EV-7368-0 | 0.0 | 18 | P1 | G | ---- | TETRODE SECTION. MAKE NO GAS TEST. NOTE 3. |
| 12DS7 | 12.6 | EV-0908-0 | 0.0 | 0 | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 12DS7 | 12.6 | EV-0108-0 | 0.0 | 0 | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 12DU7 | 12.6 | EV-0362-1 | 0.0 | 0 | P1 | B | ---- | TETRODE SECTION. OK ABOVE 4000 ON 30000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12DU7 | 12.6 | EV-0902-0 | 0.0 | 0 | P1 | D | ---- | DIODE NO. 1. OK ABOVE 1000 ON 6000 SCALE. NOTE 3. |
| 12DU7 | 12.6 | EV-0702-0 | 0.0 | 0 | P1 | D | ---- | DIODE NO. 2. OK ABOVE 1000 ON 6000 SCALE. NOTE 3. |
| 12DV7 | 12.6 | EV-0608-7 | 0.0 | 0 | P1 | D | ---- | TRIODE SECTION. OK ABOVE 800 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12DV7 | 12.6 | EV-0301-0 | 0.0 | 0 | P1 | D | ---- | DIODE NO. 1. OK ABOVE 1000 ON 6000 SCALE. NOTE 3. |
| 12DV7 | 12.6 | EV-0201-0 | 0.0 | 0 | P1 | D | ---- | DIODE NO. 2. OK ABOVE 1000 ON 6000 SCALE. NOTE 3. |
| 12DV8 | 12.6 | EV-0362-7 | 0.0 | 9 | P1 | G | ---- | TETRODE SECTION. OK ABOVE 600 ON 3000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12DV8 | 12.6 | EV-0908-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. OK ABOVE 250 ON 3000 SCALE. NOTE 3. |
| 12DV8 | 12.6 | EV-0108-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. OK ABOVE 250 ON 3000 SCALE. NOTE 3. |
| 12DW5 | 12.6 | EV-3917-0 | 12.0 | -- | P4 | C | 3500 | |
| 12DW8 | 12.6 | EV-7608-0 | 4.0 | -- | P1 | C | ---- | TRIODE NO. 1. OK ABOVE 6000 ON 15000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12DW8 | 12.6 | EV-2103-0 | 0.0 | -- | P1 | B | ---- | TRIODE NO. 2. OK ABOVE 14000 ON 30000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12DW8 | 12.6 | EV-0908-0 | 0.0 | -- | P1 | B | ---- | DIODE SECTION. OK ABOVE 9500 ON 30000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12DY8 | 12.6 | EV-0362-1 | 0.0 | -- | P1 | E | ---- | TETRODE SECTION. MAKE NO GAS TEST. NOTE 3. |
| 12DY8 | 12.6 | EV-0807-9 | 0.0 | -- | P1 | D | ---- | TRIODE SECTION. OK ABOVE 1300 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12DZ6 | 12.6 | ET-2657-1 | 0.0 | -- | P1 | B | ---- | MAKE NO GAS TEST. NOTE 3. |
| 12DZ8 | 12.6 | EV-3672-0 | 6.8 | -- | P4 | C | 3400 | PENTODE SECTION. |
| 12DZ8 | 12.6 | EV-1908-0 | 2.6 | -- | P4 | E | 450 | TRIODE SECTION. |
| 12EA6 | 12.6 | ET-2657-1 | 0.0 | -- | P1 | B | ---- | MAKE NO GAS TEST. NOTE 3. |
| 12EC8 | 12.6 | EV-0768-9 | 0.0 | -- | P1 | D | ---- | PENTODE SECTION. MAKE NO GAS TEST. NOTE 3. |
| 12EC8 | 12.6 | EV-0203-1 | 0.0 | -- | P1 | C | ---- | TRIODE SECTION. OK ABOVE 5000 ON 15000 SCALE. MAKE NO GAS TEST. NOTE 3. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|---|
| 12ED5 | 12.6 | DU-2761-0 | 0.0 | -- | -- | C | 5300 | HOLD DOWN P1 & PRESS P4. MAKE NO GAS TEST. NOTE 3. |
| 12EG6 | 12.6 | ET-7652-1 | 0.0 | -- | P1 | B | ---- | |
| 12EH5 | 12.6 | ET-2761-0 | 1.2 | -- | P4 | C | 6300 | |
| 12EK6 | 12.6 | ET-2657-1 | 0.0 | -- | P1 | B | ---- | |
| 12EL6 | 12.6 | ET-0207-1 | 0.0 | -- | P1 | F | ---- | |
| 12EL6 | 12.6 | ET-0607-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. OK ABOVE 1200 ON 6000 SCALE. NOTE 3. |
| 12EL6 | 12.6 | ET-0507-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. OK ABOVE 1200 ON 6000 SCALE. NOTE 3. |
| 12EM6 | 12.6 | EV-0362-1 | 0.0 | -- | P1 | E | ---- | TETRODE SECTION. MAKE NO GAS TEST. NOTE 3. |
| 12EM6 | 12.6 | EV-0902-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTE 3. |
| 12EN6 | 12.6 | HS-5348-0 | 11.0 | -- | P4 | C | 3500 | |
| 12EQ7 | 12.6 | EV-2763-1 | 2.6 | -- | P4 | E | 850 | PENTODE SECTION. |
| 12EQ7 | 12.6 | EV-0803-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTE 3. |
| 12EZ6 | 12.6 | ET-2657-1 | 0.0 | -- | P1 | C | ---- | OK ABOVE 1500 ON 3000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12F5 | 12.6 | HS-0408-0 | 0.9 | -- | P4 | D | 950 | CAP = G. |
| 12F8 | 12.6 | EV-9237-8 | 3.0 | -- | P1 | D | ---- | PENTODE SECTION. OK ABOVE 1000 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12F8 | 12.6 | EV-0607-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12F8 | 12.6 | EV-0107-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12FK6 | 12.6 | ET-1702-0 | 0.4 | -- | P1 | D | ---- | TRIODE SECTION. MAKE NO GAS TEST. NOTE 3. |
| 12FK6 | 12.6 | ET-0602-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12FK6 | 12.6 | ET-0502-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12FM6 | 12.6 | ET-0702-1 | 0.0 | -- | P1 | D | ---- | TRIODE SECTION. OK ABOVE 2000 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12FM6 | 12.6 | ET-0602-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12FM6 | 12.6 | ET-0502-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12FR8 | 12.6 | EV-3670-0 | 2.0 | 21 | P1 | G | ---- | PENTODE SECTION. MAKE NO GAS TEST. NOTES 3 & 6. |
| 12FR8 | 12.6 | EV-1902-0 | 3.0 | -- | P1 | F | ---- | TRIODE SECTION. MAKE NO GAS TEST. NOTE 3. |
| 12FR8 | 12.6 | EV-0802-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. SHORT ON 1 & 2. NOTE 3. |
| 12FT6 | 12.6 | ET-1702-0 | 0.0 | -- | P1 | D | ---- | TRIODE SECTION. OK ABOVE 2100 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12FT6 | 12.6 | ET-0602-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 1. MAKE NO GAS TEST. NOTE 3. |
| 12FT6 | 12.6 | ET-0502-0 | 0.0 | -- | P1 | C | ---- | DIODE NO. 2. MAKE NO GAS TEST. NOTE 3. |
| 12FV7 | 12.6 | EV-7608-0 | 4.1 | -- | P4 | C | 5500 | TRIODE NO. 1. |
| 12FV7 | 12.6 | EV-2103-0 | 4.1 | -- | P4 | C | 5500 | TRIODE NO. 2. |
| 12FX8 | 12.6 | EV-9137-2 | 6.0 | -- | P1 | C | ---- | HEPTODE SECTION. MAKE NO GAS TEST. NOTE 3. |
| 12FX8 | 12.6 | EV-6800-0 | 6.0 | -- | P1 | E | ---- | TRIODE SECTION. MAKE NO GAS TEST. NOTES 3 & 6. |
| 12G4 | 12.6 | ET-6107-0 | 3.7 | -- | P4 | D | 1540 | |
| 12G8 | 12.6 | EV-0607-8 | 0.0 | -- | P1 | E | ---- | TRIODE NO. 1. MAKE NO GAS TEST. NOTE 3. |
| 12G8 | 12.6 | EV-0102-3 | 0.0 | -- | P1 | C | ---- | TRIODE NO. 2. MAKE NO GAS TEST. NOTE 3. |
| 12GA6 | 12.6 | ET-7652-1 | 2.0 | -- | P1 | D | ---- | MAKE NO GAS TEST. NOTE 3. |
| 12H6 | 12.6 | HS-0508-1 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 12H6 | 12.6 | HS-0304-1 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 12J5 | 12.6 | HS-5308-1 | 3.7 | -- | P4 | D | 1640 | |
| 12J7 | 12.6 | HS-0348-5 | 4.0 | -- | P4 | E | 770 | CAP = G. |
| 12J8 | 12.6 | EV-0362-1 | 0.0 | -- | P1 | E | ---- | TETRODE SECTION. MAKE NO GAS TEST. NOTE 3. |
| 12J8 | 12.6 | EV-0907-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 12J8 | 12.6 | EV-0807-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|---|
| 12K7 | 12.6 | HS-0348-5 | 2.8 | -- | P4 | E | 910 | CAP = G. |
| 12K8 | 12.6 | HS-5348-6 | 1.1 | -- | P4 | D | 630 | HEXODE SECTION. CAP = G. |
| 12K8 | 12.6 | HS-5608-4 | 2.0 | -- | P4 | D | 1900 | TRIODE SECTION. |
| 12KL8 | 12.6 | EV-2763-1 | 0.0 | -- | -- | D | 1950 | PENTODE SECTION. HOLD DOWN P1 & PRESS P4. |
| 12KL8 | 12.6 | EV-0803-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTE 3. |
| 12L6 | 12.6 | HS-5348-0 | 1.5 | -- | -- | C | 5650 | HOLD DOWN P1 & PRESS P4. |
| 12L8 | 12.6 | HW-1852-3 | 3.0 | -- | P4 | D | 1350 | PENTODE NO. 1. |
| 12L8 | 12.6 | HW-3452-1 | 3.0 | -- | P4 | D | 1350 | PENTODE NO. 2. |
| 12Q7 | 12.6 | HS-0308-0 | 2.3 | -- | P4 | E | 500 | TRIODE SECTION. CAP = G. |
| 12Q7 | 12.6 | HS-0508-3 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12Q7 | 12.6 | HS-0408-3 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12R5 | 12.6 | ET-2761-0 | 2.0 | -- | -- | C | 4400 | HOLD DOWN P1 & PRESS P4. |
| 12S8 | 12.6 | HY-0602-0 | 0.8 | -- | P4 | E | 570 | TRIODE SECTION. CAP = G. |
| 12S8 | 12.6 | HY-0305-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12S8 | 12.6 | HY-0402-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12S8 | 12.6 | HY-0102-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 3. NOTE 3. |
| 12SA7 | 12.6 | HS-8346-5 | 0.0 | -- | -- | D | 760 | AMPL. SECTION. HOLD DOWN P1 & PRESS P4. |
| 12SA7 | 12.6 | HS-5406-8 | 0.0 | -- | P4 | C | 2840 | OSC. SECTION. |
| 12SC7 | 12.6 | HY-4506-2 | 0.9 | -- | P4 | D | 830 | TRIODE NO. 1. |
| 12SC7 | 12.6 | HY-3206-5 | 0.9 | -- | P4 | D | 830 | TRIODE NO. 2. |
| 12SF5 | 12.6 | HY-3502-0 | 0.9 | -- | P4 | D | 950 | |
| 12SF7 | 12.6 | HY-2643-1 | 0.9 | -- | P4 | D | 1260 | PENTODE SECTION. |
| 12SF7 | 12.6 | HY-0503-6 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTE 3. |
| 12SG7 | 12.6 | HS-4865-1 | 0.8 | -- | P4 | C | 2500 | |
| 12SH7 | 12.6 | HS-4865-1 | 0.6 | -- | P4 | C | 2500 | |
| 12SJ7 | 12.6 | HS-4865-3 | 3.3 | -- | P4 | D | 1040 | |
| 12SK7 | 12.6 | HS-4865-3 | 2.0 | -- | P4 | D | 1260 | |
| 12SL7 | 12.6 | HY-4506-2 | 0.4 | -- | P4 | D | 1000 | TRIODE NO. 1. |
| 12SL7 | 12.6 | HY-1203-5 | 0.4 | -- | P4 | D | 1000 | TRIODE NO. 2. |
| 12SQ7 | 12.6 | HY-2603-1 | 1.1 | -- | P4 | D | 700 | TRIODE SECTION. |
| 12SQ7 | 12.6 | HY-0503-6 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12SQ7 | 12.6 | HY-0403-6 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12SR7 | 12.6 | HY-2603-1 | 4.5 | -- | P4 | D | 1200 | TRIODE SECTION. |
| 12SR7 | 12.6 | HY-0503-6 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12SR7 | 12.6 | HY-0403-6 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12SW7 | 12.6 | HY-2603-1 | 4.5 | -- | P4 | D | 1200 | TRIODE SECTION. |
| 12SW7 | 12.6 | HY-0503-6 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 12SW7 | 12.6 | HY-0403-6 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 12SX7 | 12.6 | HY-4506-2 | 3.7 | -- | P4 | D | 1640 | TRIODE NO. 1. |
| 12SX7 | 12.6 | HY-1203-5 | 3.7 | -- | P4 | D | 1640 | TRIODE NO. 2. |
| 12SY7 | 12.6 | HS-8346-5 | 0.0 | -- | -- | D | 760 | AMPL. SECTION. HOLD DOWN P1 & PRESS P4. |
| 12SY7 | 12.6 | HS-5406-8 | 0.0 | -- | P4 | C | 2840 | OSC. SECTION. |
| 12U7 | 12.6 | EV-0608-7 | 0.0 | -- | P1 | D | ---- | TRIODE NO. 1. OK ABOVE 900 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12U7 | 12.6 | EV-0103-2 | 0.0 | -- | P1 | D | ---- | TRIODE NO. 2. OK ABOVE 900 ON 6000 SCALE. MAKE NO GAS TEST. NOTE 3. |
| 12Z3 | 12.6 | ER-0203-0 | 0.0 | 88 | P3 | G | ---- | NOTE 3. |
| 13FR7 | 12.6 | EV-7608-0 | 1.6 | -- | P4 | D | 1000 | TRIODE NO. 1. |
| 13FR7 | 12.6 | EV-3109-0 | 17.0 | -- | P4 | C | 6000 | TRIODE NO. 2. |
| 14A4 | 12.6 | JR-6207-0 | 3.7 | -- | P4 | D | 1640 | |
| 14A5 | 12.6 | JR-6237-0 | 1.3 | -- | P4 | D | 1900 | |
| 14A7 | 12.6 | JR-6237-4 | 3.0 | -- | P4 | D | 1260 | |
| 14AF7 | 12.6 | JR-5607-0 | 4.2 | -- | P4 | D | 1640 | TRIODE NO. 1. |
| 14AF7 | 12.6 | JR-4302-0 | 4.2 | -- | P4 | D | 1640 | TRIODE NO. 2. |
| 14B6 | 12.6 | JR-3207-0 | 1.3 | -- | P4 | D | 700 | TRIODE SECTION. |
| 14B6 | 12.6 | JR-0607-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 14B6 | 12.6 | JR-0507-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 14B8 | 12.6 | JR-6257-4 | 0.0 | -- | -- | E | 820 | AMPL. SECTION. HOLD DOWN P1 & PRESS P4. |
| 14B8 | 12.6 | JR-4357-6 | 0.0 | -- | -- | E | 725 | OSC. SECTION. HOLD DOWN P1 & PRESS P4. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|--|
| 14C5 | 12.6 | JR-6237-0 | 5.0 | -- | P4 | C | 2600 | TRIODE SECTION. DIODE NO. 1. NOTE 3. |
| 14C7 | 12.6 | JR-6237-4 | 1.1 | -- | P4 | D | 1430 | |
| 14E6 | 12.6 | JR-3207-0 | 4.0 | -- | P4 | D | 1200 | |
| 14E6 | 12.6 | JR-0607-2 | 0.0 | -- | P1 | D | ---- | |
| 14E6 | 12.6 | JR-0507-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 14E7 | 12.6 | JR-6257-0 | 3.5 | -- | P4 | D | 820 | PENTODE SECTION. |
| 14E7 | 12.6 | JR-0407-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 14E7 | 12.6 | JR-0307-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 14F7 | 12.6 | JR-5607-3 | 0.9 | -- | P4 | E | 820 | TRIODE NO. 1. |
| 14F7 | 12.6 | JR-4302-6 | 0.9 | -- | P4 | E | 820 | TRIODE NO. 2. |
| 14F8 | 12.6 | HS-8605-0 | 1.1 | -- | P4 | C | 3150 | TRIODE NO. 1. |
| 14F8 | 12.6 | HS-1304-0 | 1.1 | -- | P4 | C | 3150 | TRIODE NO. 2. |
| 14H7 | 12.6 | JR-6237-4 | 1.5 | -- | P4 | C | 2400 | HEPTODE SECTION. |
| 14J7 | 12.6 | JR-6257-4 | 1.4 | -- | P4 | D | 500 | |
| 14J7 | 12.6 | JR-4307-5 | 3.5 | -- | P4 | D | 630 | TRIODE SECTION. |
| 14N7 | 12.6 | JR-5607-3 | 4.2 | -- | P4 | D | 1640 | TRIODE NO. 1. |
| 14N7 | 12.6 | JR-4302-6 | 4.2 | -- | P4 | D | 1640 | TRIODE NO. 2. |
| 14Q7 | 12.6 | JR-6237-4 | 0.0 | -- | -- | D | 630 | AMPL. SECTION. HOLD DOWN P1 & PRESS P4. |
| 14Q7 | 12.6 | JR-4307-6 | 0.0 | -- | P4 | C | 3460 | OSC. SECTION. |
| 14R7 | 12.6 | JR-6257-0 | 1.5 | -- | P4 | D | 1900 | PENTODE SECTION. |
| 14R7 | 12.6 | JR-0407-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 14R7 | 12.6 | JR-0307-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 14S7 | 12.6 | JR-6257-4 | 3.0 | -- | P4 | D | 950 | HEPTODE SECTION. |
| 14S7 | 12.6 | JR-4307-5 | 2.0 | -- | P4 | D | 950 | TRIODE SECTION. |
| 14V7 | 12.6 | JR-6237-4 | 1.0 | -- | P4 | C | 2500 | TRIODE SECTION. DIODE NO. 1. NOTE 3. DIODE NO. 2. NOTE 3. |
| 14W7 | 12.6 | JR-6237-5 | 1.0 | -- | P4 | C | 2500 | |
| 14X7 | 12.6 | JR-3204-0 | 1.1 | -- | P4 | D | 630 | |
| 14X7 | 12.6 | JR-0504-0 | 0.0 | 0 | P1 | G | ---- | |
| 14X7 | 12.6 | JR-0607-0 | 0.0 | 0 | P1 | G | ---- | |
| 14Y4 | 12.6 | JR-0607-0 | 0.0 | 83 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 14Y4 | 12.6 | JR-0307-0 | 0.0 | 83 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 14Z3 | 12.6 | ER-0203-0 | 0.0 | 88 | P3 | G | ---- | NOTE 3. |
| 15 | 2.0 | FR-0234-0 | 0.0 | -- | -- | E | 440 | CAP = G. HOLD DOWN P1 & PRESS P4. |
| 15A6 | 12.6 | EV-2713-6 | 1.0 | -- | P4 | C | 6300 | |
| 15EA7 | 12.6 | JX-4506-0 | 3.2 | -- | P4 | E | 410 | TRIODE NO. 1. SET 'POWER ADJUST' TO 115 VOLTS. |
| 15EA7 | 12.6 | JX-1203-0 | 18.0 | -- | P4 | C | 6000 | TRIODE NO. 2. |
| 15EW6 | 12.6 | ET-1562-7 | 1.0 | -- | P4 | C | 7600 | KEEP POWER ADJUSTED AT 112 VOLTS. |
| 17AV5 | 20.0 | HS-1583-0 | 6.0 | -- | P4 | C | 3450 | KEEP POWER ADJUSTED AT 80 VOLTS. |
| 17CA5 | 20.0 | ET-2761-0 | 1.5 | -- | P4 | C | 3150 | KEEP POWER ADJUSTED AT 80 VOLTS. |
| 17DQ4 | 20.0 | JX-0503-0 | 0.0 | 80 | P3 | G | ---- | NOTE 3. |
| 17HC8 | 20.0 | EV-3672-0 | 2.6 | -- | P4 | D | 3200 | PENTODE SECTION. SET 'POWER ADJUST' AT 80 VOLTS. |
| 17HC8 | 20.0 | EV-1908-0 | 0.6 | -- | P4 | E | 1250 | TRIODE SECTION. |
| 17JK8 | 20.0 | EV-7608-9 | 2.8 | -- | P4 | E | 1450 | TRIODE NO. 1. SET 'POWER ADJUST' AT 80 VOLTS. |
| 17JK8 | 20.0 | EV-2103-9 | 1.2 | -- | P4 | C | 7200 | TRIODE NO. 2. |
| 17L6 | 20.0 | HS-5348-0 | 1.0 | -- | -- | C | 3800 | HOLD DOWN P1 & PRESS P4. |
| 17R5 | 20.0 | ET-2761-0 | 2.0 | -- | -- | C | 3150 | KEEP POWER ADJUSTED AT 80 VOLTS. KEEP POWER ADJUSTED AT 80 VOLTS. |
| 18DZ8 | 20.0 | EV-3672-0 | 6.8 | -- | P4 | C | 3400 | HOLD DOWN P1 & PRESS P4. |
| 18DZ8 | 20.0 | EV-1908-0 | 2.6 | -- | P4 | E | 450 | PENTODE SECTION. SET CATH. ACT. SWITCH TO TEST POSITION. |
| 18HB8 | 20.0 | EV-9768-0 | 6.0 | -- | P4 | D | 2700 | TRIODE SECTION. SET CATH. ACT. SWITCH TO TEST POSITION. |
| 18HB8 | 20.0 | EV-1302-0 | 1.4 | -- | P4 | D | 2300 | PENTODE SECTION. SET CATH. ACT. SWITCH TO TEST POSITION. |
| 19 | 2.0 | GR-4500-0 | 4.8 | -- | P4 | E | 630 | TRIODE SECTION. SET CATH. ACT. SWITCH TO TEST POSITION. |
| 19 | 2.0 | GR-3200-0 | 4.8 | -- | P4 | E | 630 | TRIODE NO. 1. |
| 19BG6 | 20.0 | HS-5083-0 | 4.5 | -- | P4 | C | 3800 | TRIODE NO. 2. |
| 19C8 | 20.0 | EV-8907-0 | 1.7 | -- | P4 | D | 790 | CAP = P. TRIODE SECTION. |

SEE NEXT PAGE FOR CONTINUATION

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|---|
| 19C8 | 20.0 | EV-8607-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 19C8 | 20.0 | EV-8203-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 19C8 | 20.0 | EV-8107-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 3. NOTE 3. |
| 19DE7 | 20.0 | EV-7608-0 | 5.0 | -- | P4 | E | 1260 | TRIODE NO. 1. |
| 19DE7 | 20.0 | EV-2109-0 | 19.0 | -- | P4 | C | 3800 | TRIODE NO. 2. |
| 19J6 | 20.0 | ET-5207-6 | 1.8 | -- | P4 | C | 3340 | TRIODE NO. 1. |
| 19J6 | 20.0 | ET-6107-5 | 1.8 | -- | P4 | C | 3340 | TRIODE NO. 2. |
| 19T8 | 20.0 | EV-8907-6 | 1.3 | -- | P4 | E | 750 | TRIODE SECTION. |
| 19T8 | 20.0 | EV-0607-1 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 19T8 | 20.0 | EV-0203-7 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 19T8 | 20.0 | EV-0107-8 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 3. NOTE 3. |
| 19V8 | 20.0 | EV-6103-8 | 2.2 | -- | P4 | D | 760 | TRIODE SECTION. |
| 19V8 | 20.0 | EV-0903-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 19V8 | 20.0 | EV-0708-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 19V8 | 20.0 | EV-0203-8 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 3. NOTE 3. |
| 19X3 | 20.0 | EV-0903-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| 19Y3 | 20.0 | EV-0903-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| 20EQ7 | 20.0 | EV-2763-1 | 2.6 | -- | P4 | E | 850 | PENTODE SECTION. |
| 20EQ7 | 20.0 | EV-0803-0 | 0.0 | -- | P1 | D | ---- | DIODE SECTION. NOTE 3. |
| 21A6 | 20.0 | EV-2083-9 | 13.0 | -- | P4 | C | 3800 | CAP = P. |
| 21EX6 | 20.0 | HS-5083-0 | 18.0 | -- | P4 | C | 4400 | CAP = P. TUBES INDICATING SHORTS# RE-TEST USING HS-5013-0. |
| 22 | 3.0 | ER-0230-0 | 3.7 | -- | -- | E | 315 | CAP = G. HOLD DOWN P1 & PRESS P4. |
| 24A | 2.5 | FR-0234-0 | 6.0 | -- | P4 | D | 630 | CAP = G. |
| 25A6 | 25.0 | HS-5348-0 | 11.4 | -- | P4 | D | 1450 | |
| 25A7 | 25.0 | HS-5348-6 | 13.0 | -- | P4 | D | 1130 | PENTODE SECTION. |
| 25A7 | 25.0 | HS-0601-3 | 0.0 | 89 | P3 | G | ---- | RECT. SECTION. NOTE 3. |
| 25AC5 | 25.0 | HS-5308-0 | 0.9 | -- | P4 | D | 950 | |
| 25B5 | 25.0 | GR-4235-0 | 0.0 | -- | P4 | E | 1570 | |
| 25B6 | 25.0 | HS-5348-0 | 17.0 | -- | P4 | D | 2500 | |
| 25B8 | 25.0 | HS-0341-0 | 3.5 | -- | P4 | E | 1260 | PENTODE SECTION. CAP = G. |
| 25B8 | 25.0 | HS-8506-0 | 0.9 | -- | P4 | E | 950 | TRIODE SECTION. |
| 25C6 | 25.0 | HS-5348-0 | 6.5 | -- | -- | C | 3150 | HOLD DOWN P1 & PRESS P4. |
| 25CU6 | 25.0 | HS-5048-0 | 12.0 | -- | P4 | C | 3500 | CAP = P. |
| 25D8 | 25.0 | HS-0341-0 | 3.0 | -- | P4 | D | 1200 | PENTODE SECTION. CAP = G. |
| 25D8 | 25.0 | HS-5601-0 | 1.1 | -- | P4 | D | 700 | TRIODE SECTION. |
| 25D8 | 25.0 | HS-5801-0 | 0.0 | -- | P1 | C | ---- | DIODE SECTION. NOTE 3. |
| 25DK4 | 25.0 | ET-0507-0 | 0.0 | 90 | P3 | G | ---- | NOTE 3. |
| 25DQ6 | 25.0 | HS-5048-0 | 0.0 | -- | P4 | C | 5000 | CAP = P. PLATE VOLTS = LOW. |
| 25DT5 | 25.0 | EV-3917-0 | 4.4 | -- | P4 | C | 3450 | |
| 25N6 | 25.0 | HS-5348-0 | 2.5 | -- | P4 | D | 1570 | |
| 25W6 | 25.0 | HS-5348-0 | 1.5 | -- | -- | C | 5650 | HOLD DOWN P1 & PRESS P4. |
| 25Y5 | 25.0 | GR-0504-0 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 25Y5 | 25.0 | GR-0203-0 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 25Z5 | 25.0 | GR-0504-0 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 25Z5 | 25.0 | GR-0203-0 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 25Z6 | 25.0 | HS-0508-1 | 0.0 | 90 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 25Z6 | 25.0 | HS-0304-1 | 0.0 | 90 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 26A6 | 25.0 | ET-1567-2 | 1.2 | -- | P4 | D | 2500 | |
| 26 | 1.4 | ER-3200-0 | 10.2 | -- | P4 | E | 725 | NOTE 6. |
| 26A7 | 25.0 | HW-1852-3 | 2.0 | -- | P4 | C | 3450 | PENTODE NO. 1. PLATE VOLTS = LOW. |
| 26A7 | 25.0 | HW-3452-1 | 2.0 | -- | P4 | C | 3450 | PENTODE NO. 2. PLATE VOLTS = LOW. |
| 26BK6 | 25.0 | ET-1702-5 | 0.8 | -- | P4 | D | 790 | TRIODE SECTION. |
| 26BK6 | 25.0 | ET-0602-5 | 0.0 | -- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 26BK6 | 25.0 | ET-0502-7 | 0.0 | -- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 26C6 | 25.0 | ET-1702-0 | 4.0 | -- | P4 | D | 1200 | TRIODE SECTION. |
| 26C6 | 25.0 | ET-1602-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 26C6 | 25.0 | ET-1502-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 26D6 | 25.0 | ET-7562-1 | 0.0 | -- | -- | D | 940 | AMPL. SECTION. HOLD DOWN P1 & PRESS P4. |
| 26D6 | 25.0 | ET-1602-7 | 2.0 | -- | P4 | C | 4500 | OSC. SECTION. |
| 26E6 | 25.0 | HS-5348-0 | 10.5 | -- | P4 | C | 3150 | |
| 26Z5W | 25.0 | EV-0608-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |

SEE NEXT PAGE FOR CONTINUATION

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|--|
| 26Z5W | 25.0 | EV-0103-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 27 | 2.5 | FR-3204-0 | 11.0 | -- | P4 | C | 630 | |
| 30 | 2.0 | ER-3200-0 | 10.2 | -- | P4 | E | 570 | NOTE 6. |
| 31 | 2.0 | ER-3200-0 | 11.4 | -- | P4 | E | 580 | NOTE 6. |
| 32 | 2.0 | ER-0230-0 | 3.0 | -- | -- | E | 400 | CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 32L7 | 35.0 | HS-5348-0 | 10.0 | -- | P4 | D | 3000 | AMPL. SECTION. |
| 32L7 | 35.0 | HS-0601-3 | 0.0 | 89 | P3 | G | ---- | RECT. SECTION. NOTE 3. |
| 33 | 2.0 | FR-3240-0 | 7.3 | -- | P4 | E | 900 | NOTE 6. |
| RK33 | 6.3 | HR-4506-0 | 7.5 | -- | P4 | E | 870 | TRIODE NO. 1. |
| RK33 | 6.3 | HR-0302-0 | 7.5 | -- | P4 | E | 870 | TRIODE NO. 2. CAP = G. |
| 34 | 2.0 | ER-0230-0 | 2.1 | -- | -- | E | 380 | CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 35 | 2.5 | FR-0234-0 | 4.0 | -- | P4 | E | 650 | CAP = G. |
| 35A5 | 35.0 | JR-6237-0 | 1.5 | -- | -- | C | 3650 | HOLD DOWN P1 & PRESS P4. |
| 35CD6 | 35.0 | HS-5083-0 | 18.0 | -- | P4 | C | 4100 | CAP = P. |
| 35DZ8 | 35.0 | EV-3672-0 | 6.8 | -- | P4 | C | 3400 | PENTODE SECTION. |
| 35DZ8 | 35.0 | EV-1908-0 | 2.6 | -- | P4 | E | 450 | TRIODE SECTION. |
| 35Y4 | BLST | JR-0247-0 | -- | -- | -- | - | ---- | SHORT ON 1-2-3-5 & A-C. |
| 35Y4 | 35.0 | JR-0207-0 | 0.0 | 91 | P3 | G | ---- | RECT. SECTION. NOTE 3. |
| 35Z3 | 35.0 | JR-0207-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| 35Z4 | 35.0 | HS-0508-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| 35Z6 | 35.0 | HS-0508-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 35Z6 | 35.0 | HS-0304-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 36 | 6.3 | FR-0234-0 | 4.0 | -- | P4 | D | 660 | CAP = G. |
| 37 | 6.3 | FR-3204-0 | 10.6 | -- | P4 | E | 570 | |
| 38 | 6.3 | FR-0234-0 | 8.7 | -- | P4 | E | 660 | CAP = G. |
| 39/44 | 6.3 | FR-0234-0 | 5.0 | -- | P4 | E | 630 | CAP = G. |
| 40 | 5.0 | ER-3200-0 | 3.0 | -- | P4 | F | 125 | NOTE 6. |
| 40Z5 | BLST | HS-0538-0 | -- | -- | -- | - | ---- | SHORT ON 1-2-3-5 & A-C. |
| 40Z5 | 50.0 | HS-0508-0 | 0.0 | 91 | P3 | G | ---- | RECT. SECTION. NOTE 3. |
| 41 | 6.3 | GR-4235-0 | 9.0 | -- | P4 | E | 1000 | |
| 42 | 6.3 | GR-4235-0 | 1.7 | -- | P4 | D | 1640 | |
| 43 | 25.0 | GR-4235-0 | 14.0 | -- | P4 | D | 1450 | |
| 45 | 2.5 | ER-3200-0 | 18.0 | -- | P4 | E | 1170 | NOTE 6. |
| 45Z3 | 50.0 | HR-0204-0 | 0.0 | 90 | P3 | G | ---- | NOTE 3. |
| 45Z5 | BLST | HS-0538-0 | -- | -- | -- | - | ---- | SHORT ON 1-2-3-5 & A-C. |
| 45Z5 | 50.0 | HS-0508-0 | 0.0 | 91 | P3 | G | ---- | RECT. SECTION. NOTE 3. |
| 46 | 2.5 | FR-3240-0 | 5.6 | -- | P4 | E | 1250 | NOTE 6. |
| 47 | 2.5 | FR-3240-0 | 3.5 | -- | P4 | E | 1250 | NOTE 6. |
| 48 | 25.0 | GR-4235-0 | 25.0 | -- | P4 | D | 1260 | |
| 49 | 2.0 | FR-3240-0 | 12.6 | -- | P4 | E | 710 | NOTE 6. |
| 50 | 7.5 | ER-3200-0 | 24.0 | -- | P4 | E | 950 | NOTE 6. |
| 50A5 | 50.0 | JR-6237-0 | 1.5 | -- | -- | C | 5650 | HOLD DOWN P1 & PRESS P4. |
| 50B5 | 50.0 | ET-1562-0 | 1.5 | -- | -- | C | 5650 | HOLD DOWN P1 & PRESS P4. |
| 50BK5 | 50.0 | EV-3186-0 | 0.0 | -- | P4 | C | 4700 | |
| 50C6 | 50.0 | HS-5348-1 | 6.5 | -- | -- | C | 3150 | HOLD DOWN P1 & PRESS P4. |
| 50CA5 | 50.0 | DU-2761-0 | 0.0 | -- | -- | C | 5300 | HOLD DOWN P1 & PRESS P4. |
| 50FA5 | 50.0 | ET-2761-0 | 9.8 | -- | P4 | D | 2950 | |
| 50FY8 | 50.0 | EV-3672-0 | 10.0 | -- | P4 | C | 3400 | PENTODE SECTION. |
| 50FY8 | 50.0 | EV-1908-0 | 3.0 | -- | P4 | E | 940 | TRIODE SECTION. |
| 50L6 | 50.0 | HS-5348-0 | 1.5 | -- | -- | C | 5650 | HOLD DOWN P1 & PRESS P4. |
| 50X6 | 50.0 | JR-0607-5 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 50X6 | 50.0 | JR-0302-5 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 50Y6 | 50.0 | HS-0508-0 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 50Y6 | 50.0 | HS-0304-0 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 50Y7 | BLST | HS-0060-0 | -- | -- | -- | - | ---- | SHORT ON 1-2-3-5 & A-C. |
| 50Y7 | 50.0 | HS-0508-0 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 50Y7 | 50.0 | HS-0304-0 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 50Z7 | BLST | HS-0060-0 | -- | -- | -- | - | ---- | SHORT ON 1-2-3-5 & A-C. |
| 50Z7 | 50.0 | HS-0508-0 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 50Z7 | 50.0 | HS-0304-0 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 51/51S | 2.5 | FR-0234-0 | 4.0 | -- | P4 | E | 640 | CAP = G. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|-------|-----------|------------|-------|-------|-------|-----------------|---|
| 52 | 6.3 | FR-3240-0 | 4.2 | -- | P4 | E | 1500 | NOTE 6. |
| 53 | 2.5 | HR-5604-2 | 2.3 | -- | P4 | E | 950 | TRIODE NO. 1. |
| 53 | 2.5 | HR-3204-6 | 2.3 | -- | P4 | E | 950 | TRIODE NO. 2. |
| 55 | 2.5 | GR-0205-0 | 12.5 | -- | P4 | E | 610 | TRIODE SECTION. CAP = G. |
| 55 | 2.5 | GR-0405-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 55 | 2.5 | GR-0305-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 56 | 2.5 | FR-3204-0 | 6.2 | -- | P4 | E | 920 | |
| 57 | 2.5 | GR-0235-4 | 3.7 | -- | P4 | E | 770 | CAP = G. |
| 57A | 6.3 | GR-0235-4 | 3.3 | -- | P4 | E | 770 | CAP = G. |
| 58 | 2.5 | GR-0235-4 | 4.0 | -- | P4 | E | 900 | CAP = G. |
| 58A/58AS | 6.3 | GR-0235-4 | 4.0 | -- | P4 | E | 900 | CAP = G. |
| 59 | 2.5 | HR-4236-5 | 3.5 | -- | P4 | D | 1260 | |
| VT67 | 2.0 | ER-3200-0 | 9.1 | -- | P4 | E | 570 | NOTE 6. |
| HY69 | 6.3 | FR-3024-0 | 0.0 | -- | P4 | C | 3150 | CAP = P. NOTE 6. |
| 70L7 | 75.0 | HS-5346-0 | 1.5 | -- | -- | C | 4400 | PENTODE SECTION. HOLD DOWN P1 & PRESS P4. |
| 70L7 | 75.0 | HS-0801-3 | 0.0 | 91 | P3 | G | ---- | RECT. SECTION. NOTE 3. |
| 71A | 5.0 | ER-3200-0 | 25.0 | -- | P4 | E | 1040 | NOTE 6. |
| 75 | 6.3 | GR-0205-0 | 1.1 | -- | P4 | E | 470 | TRIODE SECTION. CAP = G. |
| 75 | 6.3 | GR-0405-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 75 | 6.3 | GR-0305-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 76 | 6.3 | FR-3204-0 | 6.2 | -- | P4 | E | 920 | |
| 77 | 6.3 | GR-0235-4 | 3.3 | -- | P4 | E | 770 | CAP = G. |
| 78 | 6.3 | GR-0235-4 | 4.0 | -- | P4 | E | 900 | CAP = G. |
| 79 | 6.3 | GR-0504-0 | 1.6 | -- | P4 | D | 630 | TRIODE NO. 1. CAP = G. |
| 79 | 6.3 | GR-3204-0 | 1.6 | -- | P4 | D | 630 | TRIODE NO. 2. |
| 81 | 7.5 | ER-0200-0 | 0.0 | 50 | P3 | G | ---- | NOTES 3 & 6. |
| 82 | 2.5 | ER-0300-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 82 | 2.5 | ER-0200-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 83V | 5.0 | ER-0300-0 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 83V | 5.0 | ER-0200-0 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 84 | 6.3 | FR-0304-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 84 | 6.3 | FR-0204-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 85 | 6.3 | GR-0205-0 | 10.2 | -- | P4 | E | 620 | TRIODE SECTION. CAP = G. |
| 85 | 6.3 | GR-0405-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 85 | 6.3 | GR-0305-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 85AS | 6.3 | GR-0205-0 | 4.0 | -- | P4 | E | 800 | TRIODE SECTION. CAP = G. |
| 85AS | 6.3 | GR-0405-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 85AS | 6.3 | GR-0305-2 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 89/89Y | 6.3 | GR-0235-4 | 6.2 | -- | P4 | E | 980 | CAP = G. |
| 99 | 3.0 | ER-3200-0 | 3.0 | -- | P4 | F | 270 | NOTE 6. |
| 112A | 5.0 | ER-3200-0 | 14.0 | -- | P4 | E | 1040 | NOTE 6. |
| HY114 | 1.4 | HS-0000-0 | 5.0 | -- | P4 | E | 700 | RIGHT CAP = P. LEFT CAP = G. |
| 117L7/M7 | 117.0 | HS-4358-0 | 7.6 | -- | P4 | D | 2500 | NOTE 6. PENTODE SECTION. |
| 117L7/M7 | 117.0 | HS-0601-0 | 0.0 | 91 | P3 | G | ---- | RECT. SECTION. NOTE 3. |
| 117N7 | 117.0 | HS-4356-0 | 7.6 | -- | P4 | D | 2500 | PENTODE SECTION. |
| 117N7 | 117.0 | HS-0800-0 | 0.0 | 92 | P3 | G | ---- | RECT. SECTION. SHORT ON D. REVERSE METER. NOTE 3. |
| 117P7 | 117.0 | HS-4356-0 | 7.6 | -- | P4 | D | 2500 | PENTODE SECTION. |
| 117P7 | 117.0 | HS-0800-0 | 0.0 | 92 | P3 | G | ---- | RECT. SECTION. SHORT ON D. REVERSE METER. NOTE 3. |
| 117Z3 | 117.0 | ET-0506-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| 117Z4 | 117.0 | HS-0508-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| 117Z6 | 117.0 | HS-0508-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 117Z6 | 117.0 | HS-0304-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| X-155 | 6.3 | EV-7608-9 | 2.2 | -- | P4 | C | 2500 | TRIODE NO. 1. |
| X-155 | 6.3 | EV-2103-9 | 2.2 | -- | P4 | C | 2500 | TRIODE NO. 2. |
| GL502A | 6.3 | HS-5308-6 | -- | 89 | P5 | G | ---- | STRIKES AT ABOUT 2 V. NOTES 2 & 3. |
| CK502AX | 1.1 | DV-4120-0 | 2.5 | -- | P4 | D | 350 | PLATE VOLTS = LOW. NOTE 6. |
| CK503AX | 1.1 | DV-4120-0 | 3.0 | -- | P4 | D | 350 | PLATE VOLTS = LOW. NOTE 6. |
| CK505AX | 0.6 | DV-4120-0 | 2.7 | -- | P4 | F | 110 | NOTE 6. |
| CK506AX | 1.1 | DV-4120-0 | 7.5 | -- | P4 | D | 315 | PLATE VOLTS = LOW. NOTE 6. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|--|
| CK510AX | 0.6 | EX-1230-6 | 0.0 | -- | P5 | F | ---- | SECTION NO. 1. OK ABOVE 50 ON 600 SCALE. NOTES 3 & 6. |
| CK510AX | 0.6 | EX-6530-1 | 0.0 | -- | P5 | F | ---- | SECTION NO. 2. OK ABOVE 50 ON 600 SCALE. NOTES 3 & 6. |
| CK512AX | 0.6 | DV-4120-0 | 6.0 | -- | P4 | F | 100 | NOTE 6. |
| CK518AX | 1.1 | DV-4120-0 | 3.5 | -- | P4 | D | 350 | PLATE VOLTS = LOW. NOTE 6. |
| CK522AX | 1.1 | DV-4120-0 | 3.2 | -- | P4 | F | 280 | NOTE 6. |
| CK523AX | 1.1 | DV-4120-0 | 5.5 | -- | P4 | F | 230 | NOTE 6. |
| CK524AX | 1.1 | DV-4120-0 | 12.5 | -- | P4 | F | 190 | NOTE 6. |
| CK525AX | 1.1 | DV-4120-0 | 5.9 | -- | P4 | F | 200 | NOTE 6. |
| CK526AX | 1.1 | DV-4120-0 | 7.6 | -- | P4 | F | 250 | NOTE 6. |
| CK527AX | 1.1 | DV-4120-0 | 2.3 | -- | P4 | F | 140 | NOTE 6. |
| CK528AX | 1.1 | DV-4120-0 | 2.6 | -- | P4 | F | 280 | NOTE 6. |
| CK529AX | 1.1 | DV-4120-0 | 9.6 | -- | P4 | F | 220 | NOTE 6. |
| CK533AX | 1.1 | DV-4120-0 | 4.2 | -- | P4 | F | 250 | NOTE 6. |
| CK535AX | 1.1 | DV-4120-0 | 9.6 | -- | P4 | F | 220 | NOTE 6. |
| CK536AX | 1.1 | DV-4120-0 | 4.2 | -- | P4 | F | 250 | NOTE 6. |
| CK541DX | 1.1 | DV-4120-0 | 3.0 | -- | P4 | F | 160 | NOTE 6. |
| CK542DX | 1.1 | DV-4120-0 | 8.0 | -- | P4 | F | 200 | NOTE 6. |
| CK543DX | 0.6 | DV-4210-0 | 0.0 | -- | P1 | F | ---- | NOTES 3 & 6. |
| CK544DX | 1.1 | DV-4120-0 | 2.0 | -- | P4 | F | 200 | NOTE 6. |
| CK546DX | 1.4 | DV-4120-0 | 3.2 | -- | P4 | F | 300 | SET CATH. ACT. SWITCH TO TEST POS. MAKE NO GAS TEST. NOTE 6. |
| GL546 | 6.3 | ET-1702-5 | -- | 90 | P5 | G | ---- | STRIKES AT ABOUT 1.8 V. NOTES 2&3. |
| CK547DX | 1.1 | DV-4120-0 | 2.4 | -- | P4 | F | 270 | NOTE 6. |
| CK548DX | 1.1 | DV-4120-0 | 6.1 | -- | P4 | F | 190 | NOTE 6. |
| CK556AX | 1.1 | ES-3100-0 | 6.0 | -- | P4 | D | 1000 | NOTE 6. |
| CK568AX | 1.1 | ES-3100-0 | 9.0 | -- | P4 | D | 410 | NOTE 6. |
| CK569AX | 1.1 | DV-4120-0 | 0.0 | -- | P4 | D | 690 | PLATE VOLTS = LOW. NOTE 6. |
| CK571AX | 1.1 | DU-7120-0 | 18.0 | -- | P4 | F | 100 | NOTE 6. |
| CK573AX | 1.1 | CU-3100-0 | 0.0 | -- | P4 | D | 1260 | PLATE VOLTS = LOW. NOTE 6. |
| CK574AX | 0.6 | DV-4120-0 | 6.0 | -- | P4 | F | 100 | NOTE 6. |
| CK578AX | 1.1 | DV-4120-0 | 2.2 | -- | P4 | E | 800 | |
| CK605CX | 6.3 | DU-7126-5 | 1.8 | -- | P4 | C | 3150 | |
| CK606BX | 6.3 | CT-0104-0 | 0.0 | 0 | P1 | G | ---- | DIODE. NOTE 3. |
| CK608CX | 6.3 | DU-5106-0 | 3.2 | -- | P4 | C | 3150 | |
| CK619CX | 6.3 | CT-4105-0 | 0.6 | -- | P4 | C | 2500 | |
| 629 | 3.0 | FR-3204-0 | -- | 89 | P5 | G | ---- | STRIKES AT ABOUT 1.5 V. NOTES 2&3. |
| 801A | 7.5 | ER-3200-0 | 0.0 | -- | P4 | E | 950 | NOTE 6. |
| 802 | 6.3 | HR-4036-5 | 3.5 | -- | P4 | E | 1260 | CAP = P. |
| 807 | 6.3 | FR-3024-0 | 6.0 | -- | P4 | D | 2400 | CAP = P. |
| 809 | 6.3 | ER-3000-0 | 0.0 | -- | P4 | D | 1050 | CAP = P. NOTE 6. |
| 811 | 6.3 | ER-3000-0 | 0.0 | -- | P4 | E | 850 | CAP = P. NOTE 6. |
| 812 | 6.3 | ER-3000-0 | 0.0 | -- | P4 | E | 1400 | CAP = P. NOTE 6. |
| 815 | 6.3 | JV-7043-2 | 7.0 | -- | P4 | D | 2500 | PENTODE NO. 1. LEFT CAP = P. |
| 815 | 6.3 | BV-2043-7 | 7.0 | -- | P4 | D | 2500 | PENTODE NO. 2. RIGHT CAP = P. |
| 816 | 2.5 | ER-0000-0 | 0.0 | 91 | P3 | G | ---- | CAP = P. NOTES 3 & 6. |
| SD828A | 6.3 | EW-3152-0 | 2.8 | -- | P4 | C | 2080 | |
| SD828E | 6.3 | EW-3051-2 | 1.6 | -- | P4 | D | 1825 | TOP LEAD = P. |
| 834 | 7.5 | ER-0000-0 | 0.0 | -- | P4 | E | 1040 | NEAR CAP = G. FAR CAP = P. NOTE 6. |
| 837 | 12.6 | HR-4036-5 | 2.0 | -- | P4 | D | 1900 | CAP = P. |
| 841 | 7.5 | ER-3200-0 | 0.0 | -- | P4 | E | 630 | NOTE 6. |
| 842 | 7.5 | ER-3200-0 | 18.0 | -- | P4 | E | 750 | NOTE 6. |
| 843 | 2.5 | FR-3204-0 | 1.3 | -- | P4 | E | 1030 | |
| 864 | 1.1 | ER-3200-0 | 13.0 | -- | P4 | D | 410 | NOTE 6. |
| 865 | 7.5 | ER-3020-0 | 7.2 | -- | P4 | E | 390 | CAP = P. NOTE 6. |
| 879 | 2.5 | ER-0000-0 | 0.0 | 40 | P5 | G | ---- | CAP = P. NOTES 3 & 6. |
| SD917A | 6.3 | DU-2105-0 | 0.8 | -- | P4 | D | 1700 | PLATE VOLTS = LOW. |
| SN944 | 6.3 | EW-3051-2 | 2.0 | -- | P4 | D | 1500 | TOP LEAD = P. |
| SN946B | 6.3 | CT-0104-0 | 0.0 | 0 | P1 | G | ---- | DIODE. NOTE 3. |
| SN947D | 6.3 | DW-1578-0 | 11.0 | -- | P4 | C | 3150 | |
| SN949C | 6.3 | DW-7105-2 | -- | 89 | P5 | G | ---- | STRIKES AT ABOUT 2.5 V. NOTES 2&3. |
| 950 | 2.0 | FR-3240-0 | 11.0 | -- | P4 | E | 600 | NOTE 6. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|--------------------|------|-----------|------------|-------|-------|-------|----------------|---|
| 951 | 2.0 | ER-0230-0 | 2.3 | -- | -- | E | 500 | CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| SN953D | 6.3 | DW-1572-0 | 3.0 | -- | P4 | C | 3800 | |
| 954 | 6.3 | GR-8037-4 | 3.3 | -- | P4 | E | 700 | CAP = P. |
| MODEL 539C# 954 | 6.3 | HS-8036-4 | 3.3 | -- | P4 | E | 700 | CAP = P. USE ADAPTER SA-7, 1050-9. |
| SN954 | 6.3 | ES-0103-0 | 0.0 | 85 | P3 | G | ---- | NOTE 3. |
| SN954B | 6.3 | DW-0205-0 | 0.0 | 85 | P3 | G | ---- | NOTE 3. |
| 955 | 6.3 | GR-4307-0 | 4.8 | -- | P4 | E | 1200 | |
| MODEL 539C# 955 | 6.3 | HS-4306-0 | 4.8 | -- | P4 | E | 1200 | USE ADAPTER SA-7, 1050-9. |
| 956 | 6.3 | GR-8037-4 | 2.3 | -- | P4 | D | 950 | CAP = P. |
| MODEL 539C# 956 | 6.3 | HS-8036-4 | 2.3 | -- | P4 | D | 950 | CAP = P. USE ADAPTER SA-7, 1050-9. |
| SN956B | 1.1 | BS-0000-0 | 0.0 | -- | P3 | B | ---- | TOP LEAD = P. CONNECT FIL. LEADS TO PINS 1 & 2. NOTES 3 & 6. |
| 957 | 1.4 | GR-4300-0 | 8.3 | -- | P4 | D | 400 | NOTE 6. |
| MODEL 539C# 957 | 1.4 | HS-4300-0 | 8.3 | -- | P4 | D | 400 | USE ADAPTER SA-7, 1050-9. NOTE 6. |
| SN957A | 6.3 | FT-4102-0 | 1.4 | -- | P4 | D | 1700 | PLATE VOLTS = LOW. |
| 958 | 1.4 | GR-4300-0 | 8.3 | -- | P4 | D | 750 | NOTE 6. |
| MODEL 539C# 958 | 1.4 | HS-4300-0 | 8.3 | -- | P4 | D | 750 | USE ADAPTER SA-7, 1050-9. NOTE 6. |
| 959 | 1.4 | GR-8030-0 | 3.0 | -- | P4 | E | 380 | CAP = P. NOTE 6. |
| MODEL 539C# 959 | 1.4 | HS-8030-4 | 3.0 | -- | P4 | E | 380 | CAP = P. USE ADAPTER SA-7, 1050-9. NOTE 6. |
| SN972D | 6.3 | DW-1574-0 | 1.6 | -- | P4 | D | 1900 | |
| SN973B | 6.3 | DW-1574-0 | 2.0 | -- | P4 | C | 2500 | |
| SN976C | 6.3 | DW-1578-0 | 12.0 | -- | P4 | C | 3150 | |
| SD993C | 6.3 | DW-1805-0 | 0.0 | -- | P4 | C | 3660 | PLATE VOLTS = LOW. |
| SD995B | 6.3 | DW-1574-0 | 1.6 | -- | P4 | D | 1900 | |
| FM1000 | 6.3 | JR-6453-2 | -- | -- | -- | -- | ---- | USE THIS SETTING FOR SHORT CHECK ONLY. |
| FM1000 | 6.3 | JR-2503-7 | 3.2 | -- | P4 | D | 950 | PLATE VOLTS = LOW. |
| 1005 | 6.3 | GY-0305-0 | 0.0 | 88 | P5 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 1005 | 6.3 | GY-0503-0 | 0.0 | 88 | P5 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| SN1006 | 6.3 | FT-4102-0 | 1.5 | -- | P4 | D | 1500 | PLATE VOLTS = LOW. |
| CK1027 | --- | AP-0407-0 | 0.0 | 67 | P5 | G | ---- | CAP = P. NOTE 3. |
| CK1042 | --- | AP-0105-0 | 0.0 | 87 | P2 | G | ---- | NOTE 3. |
| E1148 | 6.3 | HS-0008-0 | 1.5 | -- | P4 | D | 1390 | UPPER CAP = P. LOWER CAP = G. |
| 1201 | 6.3 | JS-1304-0 | 2.4 | -- | P4 | D | 1900 | |
| 1203 | 6.3 | JR-0407-0 | 0.0 | -- | P1 | E | ---- | DIODE. NOTE 3. |
| 1204 | 6.3 | HS-5314-0 | 1.5 | -- | P4 | D | 1150 | |
| 1210 | 6.3 | ET-5207-0 | 3.5 | -- | P4 | D | 2150 | TRIODE NO. 1. |
| 1216 | 6.3 | ET-6107-0 | 3.5 | -- | P4 | D | 2150 | TRIODE NO. 2. |
| 1229 | 2.0 | ER-0230-0 | 3.0 | -- | -- | E | 400 | CAP = G. HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1230 | 2.0 | ER-3200-0 | 10.2 | -- | P4 | E | 570 | NOTE 6. |
| 1231 | 6.3 | JR-6237-4 | 0.5 | -- | P4 | C | 3460 | |
| 1232 | 6.3 | JR-6237-4 | 1.1 | -- | P4 | D | 2840 | |
| 1237 | 2.5 | HS-0300-0 | 0.0 | 93 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 1237 | 2.5 | HS-0600-0 | 0.0 | 93 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 1247 | 0.6 | EV-0000-0 | 0.0 | 0 | P1 | G | ---- | TOP LEAD = P. NOTES 3 & 6. |
| HY1269 | 12.6 | FR-3024-0 | 0.0 | -- | P4 | D | 2500 | CAP = P. SHORT ON 1. NOTE 6. |
| 1273 | 6.3 | JR-6237-4 | 1.1 | -- | P4 | D | 1450 | |
| 1274 | 6.3 | HS-0508-3 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 1274 | 6.3 | HS-0308-5 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 1280 | 12.6 | JR-6237-4 | 1.1 | -- | P4 | D | 1450 | |
| 1284 | 12.6 | JR-6237-4 | 5.0 | -- | P4 | E | 1260 | |
| 1285 | 25.0 | HS-5348-0 | 12.0 | -- | P4 | C | 3650 | |
| 1291 | 2.5 | BY-6700-0 | 2.8 | -- | P4 | D | 1200 | TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6. |
| 1291 | 2.5 | JR-3200-0 | 2.8 | -- | P4 | D | 1200 | TRIODE NO. 2. PLATE VOLTS = LOW. NOTE 6. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|----------------------------------|
| 1293 | 1.4 | JR-6200-0 | 5.0 | -- | P4 | D | 820 | NOTE 6. |
| 1294 | 1.4 | JR-0407-0 | 0.0 | -- | P1 | D | ---- | DIODE. NOTE 3. |
| 1299 | 2.5 | JR-6230-0 | 4.0 | -- | -- | D | 1300 | HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1603 | 6.3 | GR-0235-4 | 3.7 | -- | P4 | E | 770 | CAP = G. |
| 1609 | 1.1 | FR-3240-0 | 0.0 | -- | -- | E | 440 | HOLD DOWN P1 & PRESS P4. NOTE 6. |
| 1612 | 6.3 | HS-0348-5 | 5.0 | -- | P4 | E | 410 | CAP GRID. CAP = G. |
| 1612 | 6.3 | HS-5348-1 | 5.0 | -- | P4 | E | 410 | PIN GRID. |
| 1613 | 6.3 | HS-5348-0 | 1.7 | -- | P4 | D | 1640 | |
| 1614 | 6.3 | HS-5348-1 | 3.0 | -- | P4 | C | 3300 | |
| 1616 | 3.0 | FR-0000-0 | 0.0 | 86 | P2 | G | ---- | CAP = P. NOTES 3 & 6. |
| 1619 | 2.5 | HS-5340-8 | 1.3 | -- | P4 | D | 2150 | NOTE 6. |
| 1620 | 6.3 | HS-0348-5 | 4.0 | -- | P4 | F | 770 | CAP = G. |
| 1621 | 6.3 | HS-5348-0 | 1.7 | -- | P4 | D | 1640 | |
| 1622 | 6.3 | HS-5348-0 | 3.0 | -- | P4 | C | 3300 | |
| 1623 | 6.3 | FR-3000-0 | 0.0 | -- | P4 | F | 1400 | CAP = P. NOTE 6. |
| 1624 | 2.5 | FR-3020-0 | 0.0 | -- | P4 | D | 2500 | CAP = P. NOTE 6. |
| 1625 | 12.6 | HR-4036-0 | 6.0 | -- | P4 | D | 2400 | CAP = P. |
| 1626 | 12.6 | HS-5308-0 | 16.0 | -- | P4 | E | 1325 | |
| 1629 | 12.6 | HS-5408-0 | 0.0 | -- | P4 | G | ---- | EYE OPEN. |
| 1629 | 12.6 | HS-5438-0 | 0.0 | -- | P4 | G | ---- | EYE CLOSED. |
| 1631 | 12.6 | HS-5348-1 | 3.0 | -- | P4 | C | 3300 | |
| 1632 | 12.6 | HS-5348-0 | 1.5 | -- | -- | C | 5650 | HOLD DOWN P1 & PRESS P4. |
| 1633 | 25.0 | HY-4506-0 | 3.7 | -- | P4 | D | 1640 | TRIODE NO. 1. |
| 1633 | 25.0 | HY-1203-0 | 3.7 | -- | P4 | D | 1640 | TRIODE NO. 2. |
| 1634 | 12.6 | HY-4506-1 | 0.9 | -- | P4 | D | 830 | TRIODE NO. 1. |
| 1634 | 12.6 | HY-3206-1 | 0.9 | -- | P4 | D | 830 | TRIODE NO. 2. |
| 1635 | 6.3 | HS-4308-0 | 0.0 | -- | P4 | D | 540 | TRIODE NO. 1. |
| 1635 | 6.3 | HS-5608-0 | 0.0 | -- | P4 | D | 540 | TRIODE NO. 2. |
| 1641 | 5.0 | FR-0000-0 | 0.0 | 84 | P3 | G | ---- | LEFT CAP = P. NOTES 3 & 6. |
| 1641 | 5.0 | RU-0000-0 | 0.0 | 84 | P3 | G | ---- | RIGHT CAP = P. NOTES 3 & 6. |
| 1642 | 6.3 | HR-4506-0 | 7.5 | -- | P4 | E | 870 | TRIODE NO. 1. |
| 1642 | 6.3 | HR-0302-0 | 7.5 | -- | P4 | E | 870 | TRIODE NO. 2. CAP = G. |
| 1644 | 12.6 | HW-1852-3 | 3.0 | -- | P4 | D | 1350 | PENTODE NO. 1. |
| 1644 | 12.6 | HW-3452-1 | 3.0 | -- | P4 | D | 1350 | PENTODE NO. 2. |
| 1654 | 1.4 | RX-0000-0 | 0.0 | -- | P5 | F | ---- | CAP = P. NOTES 3 & 6. |
| 1658 | 2.0 | FR-3200-0 | 10.2 | -- | P4 | F | 570 | NOTE 6. |
| 1659 | 2.5 | GR-0205-0 | 1.1 | -- | P4 | D | 700 | TRIODE SECTION. CAP = G. |
| 1659 | 2.5 | GR-0405-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 1659 | 2.5 | GR-0305-0 | 0.0 | -- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 1851 | 6.3 | HS-0348-5 | 1.0 | -- | P4 | C | 5650 | CAP = G. |
| 1852 | 6.3 | HS-4865-3 | 1.0 | -- | P4 | C | 5650 | |
| 1853 | 6.3 | HS-4865-3 | 2.0 | -- | P4 | D | 2200 | |
| 5516 | 6.3 | HS-5031-0 | 6.0 | -- | P4 | D | 2500 | CAP = P. SHORT ON 1. NOTE 6. |
| 5517 | --- | AP-0407-0 | 0.0 | 89 | P2 | G | ---- | CAP = P. NOTE 3. |
| 5556 | 4.3 | FR-3200-0 | 4.5 | -- | P4 | E | 625 | NOTE 6. |
| 5608A | 2.5 | HR-5604-2 | 1.5 | -- | P4 | D | 1550 | TRIODE NO. 1. |
| 5608A | 2.5 | HR-3204-6 | 1.5 | -- | P4 | D | 1550 | TRIODE NO. 2. |
| 5610 | 6.3 | FT-6102-0 | 1.0 | -- | P4 | D | 2500 | PLATE VOLTS = LOW. |
| 5618 | 6.3 | BX-6234-0 | 8.0 | -- | P4 | D | 1900 | NOTE 6. |
| 5633 | 6.3 | FW-3051-2 | 2.0 | -- | P4 | D | 1500 | TOP LEAD = P. |
| 5634 | 6.3 | FW-3051-2 | 1.6 | -- | P4 | D | 1825 | TOP LEAD = P. |
| 5635 | 6.3 | DW-1708-4 | 1.5 | -- | P4 | C | 2400 | TRIODE NO. 1. |
| 5635 | 6.3 | DW-2508-4 | 1.5 | -- | P4 | C | 2400 | TRIODE NO. 2. |
| 5637 | 6.3 | DW-2105-0 | 0.8 | -- | P4 | D | 1700 | PLATE VOLTS = LOW. |
| 5638 | 6.3 | FW-3152-0 | 2.8 | -- | P4 | C | 2080 | |
| 5639 | 6.3 | DW-1572-0 | 3.0 | -- | P4 | C | 3800 | |
| 5640 | 6.3 | DW-1578-0 | 11.0 | -- | P4 | C | 3150 | |
| 5641 | 6.3 | DW-0205-0 | 0.0 | 85 | P3 | G | ---- | NOTE 3. |
| 5645 | 6.3 | FT-4102-0 | 1.4 | -- | P4 | D | 1700 | PLATE VOLTS = LOW. |
| 5646 | 6.3 | FT-4102-0 | 1.5 | -- | P4 | D | 1500 | PLATE VOLTS = LOW. |
| 5647 | 6.3 | CT-0104-0 | 0.0 | 0 | P1 | G | ---- | DIODE. NOTE 3. |
| 5659 | 12.6 | HS-5348-0 | 6.0 | -- | P4 | D | 1900 | |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-------------|------|-----------|------------|-------|-------|-------|----------------|---|
| 5660 | 12.6 | HS-0368-0 | 4.0 | -- | P4 | D | 725 | PENTODE SECTION. CAP = G. DIODE NO. 1. NOTE 3. DIODE NO. 2. NOTE 3. |
| 5660 | 12.6 | HS-0568-0 | 0.0 | -- | P1 | D | ---- | |
| 5660 | 12.6 | HS-0468-0 | 0.0 | -- | P1 | D | ---- | |
| 5661 | 12.6 | HS-4865-3 | 2.0 | -- | P4 | D | 1260 | |
| 5662 | 6.3 | ET-1705-0 | -- | 88 | P5 | G | ---- | STRIKES AT ABOUT 5 V. NOTES 2 & 3. STRIKES AT ABOUT 2 V. NOTES 2 & 3. DIODE NO. 1. NOTE 3. DIODE NO. 2. NOTE 3. UNIT NO. 1. NOTE 3. |
| 5663 | 6.3 | ET-1702-5 | -- | 89 | P5 | G | ---- | |
| 5679 | 6.3 | JR-0607-5 | 0.0 | -- | P1 | E | ---- | |
| 5679 | 6.3 | JR-0302-5 | 0.0 | -- | P1 | E | ---- | |
| 5690 | 6.3 | HW-0508-3 | 0.0 | 90 | P3 | G | ---- | |
| 5690 | 6.3 | CR-0304-5 | 0.0 | 90 | P3 | G | ---- | UNIT NO. 2. NOTE 3. |
| 5691 | 6.3 | HY-4506-2 | 1.0 | -- | P4 | C | 1000 | TRIODE NO. 1. |
| 5691 | 6.3 | HY-1203-5 | 1.0 | -- | P4 | C | 1000 | TRIODE NO. 2. |
| 5692 | 6.3 | HY-4506-2 | 4.5 | -- | P4 | D | 1400 | TRIODE NO. 1. |
| 5692 | 6.3 | HY-1203-5 | 4.5 | -- | P4 | D | 1400 | TRIODE NO. 2. |
| 5693 | 6.3 | HS-4865-3 | 4.0 | -- | P4 | D | 1040 | TRIODE NO. 1. TRIODE NO. 2. |
| 5694 | 6.3 | HS-4301-0 | 0.0 | -- | P4 | D | 1500 | |
| 5694 | 6.3 | HS-5608-0 | 0.0 | -- | P4 | D | 1500 | |
| 5731 | 6.3 | GR-4307-0 | 3.3 | -- | P4 | D | 1400 | |
| MODEL 539C# | | | | | | | | |
| 5731 | 6.3 | HS-4306-0 | 3.3 | -- | P4 | D | 1400 | USE ADAPTER SA-7, 1050-9. CAP = G. NOTE 6. NOTES 3 & 6. NOTE 6. |
| 5732 | 6.3 | HS-0348-5 | 2.8 | -- | P4 | E | 910 | |
| 5742 | 4.3 | ER-3200-0 | 0.9 | -- | P4 | E | 530 | |
| 5785 | 1.1 | GX-0100-0 | 0.0 | -- | P1 | D | ---- | |
| 5812 | 6.3 | ET-1560-2 | 8.0 | -- | P4 | D | 2700 | |
| 5823 | OFF | AP-4301-0 | 0.0 | 70 | -- | G | ---- | |
| 5824 | 25.0 | HS-5348-0 | 17.0 | -- | P4 | D | 2500 | HOLD DOWN P6 & PRESS P5. REVERSE METER. SOME TUBES SHORT ON 3-4. NOTE 3. |
| 5825 | 1.4 | ER-0000-0 | 0.0 | -- | P5 | D | ---- | |
| 5838 | 12.6 | HS-0508-0 | 0.0 | 81 | P3 | G | ---- | CAP = P. OK ABOVE 600 ON 6000 SCALE. NOTES 3 & 6. PLATE NO. 1. NOTE 3. PLATE NO. 2. NOTE 3. |
| 5838 | 12.6 | HS-0308-0 | 0.0 | 81 | P3 | G | ---- | |
| 5839 | 25.0 | HS-0508-3 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. PLATE NO. 2. NOTE 3. |
| 5839 | 25.0 | HS-0308-5 | 0.0 | 85 | P3 | G | ---- | |
| 5851 | 2.5 | HR-8360-0 | 6.0 | -- | P4 | E | 1000 | NOTE 6. |
| 5854 | 1.1 | DV-4120-0 | 4.0 | -- | P4 | F | 310 | PLATE VOLTS = LOW. NOTE 6. |
| 5875 | 1.1 | DV-4120-0 | 1.4 | -- | P4 | D | 1250 | |
| 5879 | 6.3 | EV-1873-9 | 3.3 | -- | P4 | E | 630 | NOTE 6. NOTE 6. TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6. TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6. |
| 5886 | 1.1 | DU-7120-0 | 18.0 | -- | P4 | F | 100 | |
| 5910 | 1.4 | BX-6230-0 | 3.6 | -- | P4 | D | 570 | |
| 5967 | 1.1 | ES-6801-3 | 2.0 | -- | P4 | D | 1260 | |
| 5967 | 1.1 | ES-3108-6 | 2.0 | -- | P4 | D | 1260 | |
| 5992 | 6.3 | HS-5348-0 | 3.0 | -- | P4 | D | 2200 | NEAR CAP = P. NOTE 3. FAR CAP = P. NOTE 3. NOTE 6. |
| 6000 | 25.0 | HS-1583-0 | 0.6 | -- | P4 | C | 4250 | |
| 6004 | 5.0 | JS-0000-0 | 0.0 | 73 | P3 | G | ---- | |
| 6004 | 5.0 | JS-0000-0 | 0.0 | 73 | P3 | G | ---- | |
| 6007 | 1.1 | DV-4120-0 | 4.4 | -- | P4 | F | 260 | |
| 6008 | 0.6 | DV-4120-0 | 5.7 | -- | P4 | F | 65 | NOTE 6. |
| 6026 | 6.3 | EV-7803-0 | 3.2 | -- | P4 | C | 3700 | PLATE VOLTS = LOW. NOTE 6. PLATE NO. 1. NOTES 3 & 6. PLATE NO. 2. NOTES 3 & 6. |
| 6029 | 1.1 | CU-3100-0 | 0.0 | -- | P4 | D | 1260 | |
| 6087 | 5.0 | JS-0600-0 | 0.0 | 80 | P3 | G | ---- | |
| 6087 | 5.0 | JS-0400-0 | 0.0 | 80 | P3 | G | ---- | |
| 6088 | 1.1 | DV-4120-0 | 3.0 | -- | P4 | D | 400 | |
| 6094 | 6.3 | DV-1428-0 | 2.1 | -- | P4 | D | 2600 | PLATE VOLTS = LOW. NOTE 6. |
| 6099 | 6.3 | ET-5207-0 | 1.8 | -- | P4 | C | 3340 | |
| 6099 | 6.3 | ET-6107-0 | 1.8 | -- | P4 | C | 3340 | TRIODE NO. 1. |
| 6100 | 6.3 | ET-6107-0 | 4.8 | -- | P4 | E | 1380 | TRIODE NO. 2. |
| 6101 | 6.3 | ET-5207-6 | 1.8 | -- | P4 | C | 3800 | TRIODE NO. 1. |
| 6101 | 6.3 | ET-6107-5 | 1.8 | -- | P4 | C | 3800 | TRIODE NO. 2. |
| 6106 | 5.0 | JS-0600-0 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| 6106 | 5.0 | JS-0400-0 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| 6113 | 6.3 | HY-4506-2 | 0.4 | -- | P4 | D | 1000 | TRIODE NO. 1. |

SEE NEXT PAGE FOR CONTINUATION

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|---------------------|------|-----------|---------------|-------|-------|-------|-------------------|---|
| 6113 | 6.3 | HY-1203-5 | 0.4 | -- | P4 | D | 1000 | TRIODE NO. 2. |
| 6145 | 6.3 | JR-6237-4 | 0.0 | -- | P4 | C | 5650 | |
| 6147 | 2.5 | HR-8360-0 | 6.0 | -- | P4 | E | 1000 | NOTE 6. |
| 6169 | 6.3 | DW-1204-0 | 0.7 | -- | P4 | C | 3800 | |
| 6184 | 6.3 | DW-0204-8 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 6184 | 6.3 | DW-0705-8 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 6188 | 6.3 | HY-4506-2 | 1.0 | -- | P4 | D | 1000 | TRIODE NO. 1. |
| 6188 | 6.3 | HY-1203-5 | 1.0 | -- | P4 | D | 1000 | TRIODE NO. 2. |
| 6355 | 6.3 | FT-1427-0 | 0.0 | 100 | P4 | G | ---- | EYE 1 OPEN. EYE 2 CLOSED. |
| 6355 | 6.3 | FT-4127-0 | 0.0 | 100 | P4 | G | ---- | EYE 2 OPEN. EYE 1 CLOSED. |
| 6877 | 6.3 | DV-1408-0 | 9.4 | -- | P4 | C | 4000 | |
| 6888 | 6.3 | HS-4865-3 | 9.0 | -- | P4 | E | 1180 | |
| 6954 | 6.3 | ET-1562-7 | 1.0 | -- | P4 | D | 1750 | |
| 7193 | 6.3 | HS-0008-0 | 3.7 | -- | P4 | D | 1900 | UPPER CAP = G. LOWER CAP = P. |
| 8013A | 3.0 | ER-0000-0 | 0.0 | 20 | P5 | G | ---- | CAP = P. NOTE 3. |
| 8016 | 1.1 | HS-0000-0 | 0.0 | 12 | P5 | G | ---- | CAP = P. NOTES 3 & 6. |
| 9001 | 6.3 | ET-1567-0 | 4.5 | -- | P4 | D | 700 | |
| 9002 | 6.3 | ET-6107-0 | 4.8 | -- | P4 | C | 1200 | |
| 9003 | 6.3 | ET-1562-0 | 1.5 | -- | P4 | D | 1125 | |
| 9004 | 6.3 | GR-0304-0 | 0.0 | 0 | P1 | G | ---- | DIODE. NOTE 3. |
| MODEL 539C# 9004 | 6.3 | HS-0304-0 | 0.0 | 0 | P1 | G | ---- | DIODE. USE ADAPTER SA-7, 1050-9. NOTE 3. |
| 9005 | 4.3 | GR-0403-0 | 0.0 | -- | P1 | E | ---- | DIODE. NOTE 3. |
| MODEL 539C# 9005 | 4.3 | HS-0403-0 | 0.0 | -- | P1 | E | ---- | DIODE. USE ADAPTER SA-7, 1050-9. NOTE 3. |
| 9006 | 6.3 | ET-0107-0 | 0.0 | -- | P1 | E | ---- | DIODE. NOTE 3. |
| 38142 | 7.5 | ER-3200-0 | 8.0 | -- | P4 | E | 1380 | NOTE 6. |
| XX8 | 2.5 | BY-5600-0 | 3.5 | -- | P4 | D | 700 | TRIODE NO. 1. PLATE VOLTS = LOW. NOTE 6. |
| XX8 | 2.5 | JR-4300-0 | 3.5 | -- | P4 | D | 700 | TRIODE NO. 2. PLATE VOLTS = LOW. NOTE 6. |
| XXD | 12.6 | JR-5607-0 | 4.2 | -- | P4 | D | 1640 | TRIODE NO. 1. |
| XXD | 12.6 | JR-4302-0 | 4.2 | -- | P4 | D | 1640 | TRIODE NO. 2. |
| XXFM | 6.3 | JR-3204-0 | 1.1 | -- | P4 | D | 630 | TRIODE SECTION. |
| XXFM | 6.3 | JR-0504-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| XXFM | 6.3 | JR-0607-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| XXL | 6.3 | JR-6207-0 | 3.7 | -- | P4 | D | 1640 | |

FOREIGN TUBE TYPES
SUPPLEMENTARY TEST DATA

NOTATIONS

- NOTE 1: The letter that appears in the RANGE column indicates the setting of the FUNCTION SWITCH.
- NOTE 2: (symbol "# " on Roll Chart) Set BIAS VOLTS at 40, press and hold down button indicated in the PRESS column while rotating BIAS VOLTS control until tube strikes. The striking voltages indicated are nominal values and reference to handbook "Critical Grid Characteristics" of Thyatron tubes reveals appreciable variations from these values.
- NOTE 3: (symbol "★ " on Roll Chart) Make emission tests only. Good tubes will read above index mark "RECTIFIERS & DIODES OK" on METER.
- NOTE 4: Mutual Conductance Values are minimum. Discard tubes which read lower.
- NOTE 5: Readjust BIAS VOLTS after button P4 is pressed, then read Gm.
- NOTE 6: (symbol "↓ " on Roll Chart) A short indication on position "A" of the shorts switch is normal.
- NOTE 7: For TUBE TESTER Models 539B, the Universal Adapter CA-5, 1050-164, is available. This Adapter provides tube test sockets for Compactrons, Novars, 5 and 7-pin Nuvisitors, and the new 10-pin tubes, including Decals. Test data for these tubes is supplied in supplementary form with the Adapter. The CA-4, 1050-135 Adapter (discontinued) can still be used but requires the use of the SA-11, 1050-177 Adapter for testing decal types. See inside cover for description of all adapters.
- NOTE 8: "Cut off" tube section NOT being tested by means of a 30 to 35 volt battery (Eveready 413 or equal). Polarity and connections are indicated in the NOTATIONS column: e.g., NOTE 8: 7-, 2+, indicates connect negative lead to pin 7 and positive lead to pin 2 of any convenient socket on the tester.
- CAUTION: Disconnect battery between any change of SELECTORS.

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|---|
| 1AJ4 | 1.4 | HR-6230-0 | 4.4 | --- | P4 | E | 300 | PENTODE SECT. PLATE VOLTS = LOW. NOTE 6. |
| 1AR5 | 1.4 | BX-6540-0 | 1.4 | --- | P4 | D | 380 | |
| 1AR5 | 1.4 | BX-0300-0 | 0.0 | --- | P1 | D | ---- | DIODE SECT. OK ABOVE 300 ON 3000 SCALE. NOTES 3 & 6. |
| 1AS5 | 1.4 | BX-6230-0 | 1.4 | --- | P4 | D | 380 | PENTODE SECT. PLATE VOLTS = LOW. NOTE 6. |
| 1AS5 | 1.4 | BX-0400-0 | 0.0 | --- | P1 | D | ---- | DIODE SECT. OK ABOVE 300 ON 3000 SCALE. NOTES 3 & 6. |
| 1BG2 | 1.4 | CX-0000-0 | 0.0 | 27 | P5 | G | ---- | CONNECT FIL LEADS TO OCTAL SOCKET PINS 2 & 7. SINGLE LEAD = P. NOTES 3 & 6. |
| 1BK2 | 1.4 | BS-0000-0 | 0.0 | 14 | P5 | G | ---- | CAP=P. NOTE 3. |
| 1BQ2 | 1.4 | BS-0000-0 | 0 | 15 | P5 | G | ---- | CAP=P. NOTES 3 & 6. |
| 1BX2 | 1.4 | BS-0000-0 | 0.0 | 12 | P5 | G | ---- | CAP=P. NOTES 3 & 6. |
| 1C1 | 1.4 | BX-6234-0 | 2.0 | --- | P4 | E | 380 | GRID NO. 3. NOTE 6. |
| 1C1 | 1.4 | BX-4306-2 | 2.0 | --- | P4 | E | 880 | OSC. SECT. PLATE VOLTS = LOW. NOTE 6. |
| 1D13 | 1.4 | HR-0203-0 | 0.0 | --- | P1 | D | ---- | DIODE. NOTE 3. |
| 1D-K29 | 1.1 | BS-0000-0 | 0.0 | --- | P3 | B | ---- | TOP LEAD=P. CONNECT FIL. LEADS TO PINS 1 AND 2. NOTES 3 & 6. |
| 1F2 | 1.4 | HR-6230-0 | 2.8 | --- | P4 | E | 650 | NOTE 6. |
| 1F3 | 1.4 | BX-6230-0 | 0.0 | --- | P4 | E | 490 | PLATE VOLTS = LOW. NOTE 6. |
| 1M3 | 1.4 | EV-1800-0 | VARY | --- | P5 | C | ---- | ADJUST BIAS TO VARY BAR LENGTH. DO NOT ADJUST BELOW 4.0 VOLTS. |
| 1N3 | 1.4 | EV-1800-0 | VARY | --- | P5 | C | ---- | ADJUST BIAS TO VARY BAR LENGTH. DO NOT ADJUST BELOW 4.0 VOLTS. |
| 1P10 | 2.5 | HR-3240-0 | 5.0 | --- | P4 | E | 950 | PLATE VOLTS = LOW. NOTE 6. |
| 1P11 | 3.0 | HR-6230-0 | 6.0 | --- | P4 | E | 1760 | NOTE 6. |
| 2H-H5 | 2.0 | DR-4208-0 | 0.5 | --- | P4 | C | 5000 | PLATE VOLTS = LOW. (SEE BELOW) NOTE 7. |
| 2B-H5 | 2.0 | 13-4208-0 | 0.5 | --- | P4 | C | 5000 | PLATE VOLTS= LOW. (SEE BELOW). USE ADAPTER SA-3, 1050-127, OR ADAPTER CA-4, 1050-135 WITH MODEL 539B. MODEL 539C REQUIRES NO ADAPTER. CAP=P. NOTES 3 & 6. |
| 2BU2 | 2.5 | B3-0000-0 | 0.0 | 12 | P5 | G | ---- | MODEL 539H USING ADAPTER SA-3, 1050-127. NOTE 7. PLATE VOLTS=LOW. MODEL 539C# REQUIRES NO ADAPTER. PLATE VOLTS= LOW. HEPTODE SECTION. TRIODE SECTION. |
| 2ER5 | 2.0 | ET-2567-0 | 0.8 | --- | P4 | C | 6600 | |
| 2FY5 | 2.5 | ET-2501-6 | 1.4 | --- | P4 | C | 7000 | |
| 2HA5 | 2.0 | ET-1507-6 | 1.2 | --- | P4 | C | 8000 | |
| 2N-H11 | 2.0 | DR-4208-0 | 0.4 | --- | P4 | C | 4700 | |
| 2N-H11 | 2.0 | 13-4208-0 | 0.4 | --- | P4 | C | 4700 | PLATE VOLTS= LOW. NOTE 7. |
| 2N-H12 | 2.0 | 13-6207-0 | 0.8 | --- | P4 | C | 7000 | HEPTODE SECTION. |
| 3AJ8 | 3.0 | EV-2613-7 | 3.5 | --- | P4 | D | 950 | TRIODE SECTION. |
| 3AJ8 | 3.0 | EV-9803-2 | 1.5 | --- | P4 | D | 2300 | |
| 3BH2 | 3.0 | JR-0000-0 | 0.0 | 30 | P5 | G | ---- | CAP=P. NOTES 3 & 6. USE ADAPTER SA-8, 1050-162. |
| 3BX6 | 3.0 | EV-2781-9 | 0.5 | --- | P4 | C | 4500 | |
| 3BY7 | 3.0 | EV-2781-9 | 2.0 | --- | P4 | D | 2500 | |
| 3EH7 | 3.0 | EV-2781-9 | 2.4 | --- | P4 | C | 3200 | |
| 3EJ7 | 3.0 | EV-2781-9 | 1.2 | --- | P4 | C | 4900 | |
| 3ER5 | 3.0 | ET-2567-0 | 0.8 | --- | P4 | C | 6600 | |
| 3FY5 | 3.0 | ET-2501-6 | 1.4 | --- | P4 | C | 7000 | |
| 3HA5 | 2.5 | ET-1507-6 | 1.2 | --- | P4 | C | 8000 | |
| 3M-P26 | 3.0 | ET-1562-0 | 10.0 | --- | P4 | D | 2500 | |
| 4AB8 | 4.3 | EV-9683-7 | 4.0 | --- | P4 | D | 2100 | PENTODE SECTION |
| 4AB8 | 4.3 | EV-2103-0 | 5.0 | --- | P4 | D | 850 | TRIODE SECTION. |
| 4BL8 | 4.3 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION. |
| 4BL8 | 4.3 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION. |
| 4BN4 | 4.3 | ET-2501-0 | 1.9 | --- | P4 | C | 4300 | |
| 4CM4 | 4.3 | EV-2103-0 | 1.2 | --- | P4 | B | 8800 | |
| 4DL4 | 4.3 | EV-9802-0 | 1.3 | --- | P4 | E | 7500 | |
| 4EH7 | 4.3 | EV-2781-9 | 2.4 | --- | P4 | C | 3200 | |
| 4EJ7 | 4.3 | EV-2781-9 | 1.2 | --- | P4 | C | 4900 | |
| 4ER5 | 4.3 | ET-2567-0 | 0.8 | --- | P4 | C | 4500 | |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|--|
| 4ES8 | 4.3 | EV-7608-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 1. |
| 4ES8 | 4.3 | EV-2103-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 2. |
| 4FY5 | 4.3 | ET-2501-6 | 1.4 | --- | P4 | C | 7000 | |
| 4GJ7 | 4.3 | EV-2671-0 | 1.0 | --- | P4 | C | 4900 | PENTODE SECTION. |
| 4GJ7 | 4.3 | EV-9803-0 | 4.2 | --- | P4 | C | 6100 | TRIODE SECTION. |
| 4GS7 | 4.3 | EV-9678-0 | 0.4 | --- | P4 | C | 5000 | PENTODE SECTION. |
| 4GS7 | 4.3 | EV-1203-0 | 5.0 | --- | P4 | C | 3100 | TRIODE SECTION. |
| 4HA5 | 4.3 | ET-1507-6 | 1.2 | --- | P4 | C | 8000 | |
| 4HG8 | 4.3 | EV-2893-0 | 0.8 | --- | P4 | C | 5050 | PENTODE SECTION. |
| 4HG8 | 4.3 | EV-6703-0 | 8.0 | --- | P4 | C | 4000 | TRIODE SECTION. |
| 4KN8 | 4.3 | EV-7608-0 | 2.2 | --- | P4 | B | 7900 | TRIODE NO. 1. |
| 4KN8 | 4.3 | EV-2103-0 | 2.2 | --- | P4 | B | 7900 | TRIODE NO. 2. |
| 4MP12 | 5.0 | ET-1562-0 | 2.2 | --- | P4 | C | 2600 | |
| 4M-P26 | 4.3 | ET-1562-0 | 10.0 | --- | P4 | D | 2500 | |
| 4R-HH2 | 4.3 | EV-7608-9 | 2.0 | --- | P4 | C | 4000 | TRIODE NO. 1. |
| 4R-HH2 | 4.3 | EV-2103-9 | 2.0 | --- | P4 | C | 4000 | TRIODE NO. 2. |
| 4R-HH8 | 4.3 | EV-7608-0 | 2.2 | --- | P4 | B | 7900 | TRIODE NO. 1. |
| 4R-HH8 | 4.3 | EV-2103-0 | 2.2 | --- | P4 | B | 7900 | TRIODE NO. 2. |
| 5AR4 | 5.0 | JS-0600-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 5AR4 | 5.0 | JS-0400-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 5ES8 | 5.0 | EV-7608-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 1. |
| 5ES8 | 5.0 | EV-2103-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 2. |
| 5GJ7 | 5.0 | EV-2671-0 | 1.0 | --- | P4 | C | 4900 | PENTODE SECTION. |
| 5GJ7 | 5.0 | EV-9803-0 | 4.2 | --- | P4 | C | 6100 | TRIODE SECTION. |
| 5GS7 | 5.0 | EV-9678-0 | 0.4 | --- | P4 | C | 5000 | PENTODE SECTION. |
| 5GS7 | 5.0 | EV-1203-0 | 5.0 | --- | P4 | C | 3100 | TRIODE SECTION. |
| 5HG8 | 5.0 | EV-2893-0 | 0.8 | --- | P4 | C | 5000 | PENTODE SECTION. |
| 5HG8 | 5.0 | EV-6703-0 | 8.0 | --- | P4 | C | 4000 | TRIODE SECTION. |
| 5MHH3 | 5.0 | ET-6107-0 | 1.5 | --- | P4 | C | 5500 | TRIODE NO. 1. |
| 5MHH3 | 5.0 | ET-5207-0 | 1.5 | --- | P4 | C | 5500 | TRIODE NO. 2. |
| 5M-K9 | 5.0 | ET-0503-0 | 0.0 | 86 | P3 | G | ---- | NOTE 3. |
| 5U9 | 6.3 | FW-3782-4 | 1.5 | --- | P4 | C | 4400 | PENTODE SECTION. USE ADAPTER SA-11 MODEL 5398# USE SA-11 & CA-4. NOTE 7. |
| 5U9 | 6.3 | FW-W901-0 | 4.5 | --- | P4 | C | 3150 | TRIODE SECTION. |
| 5V9 | 5.0 | FW-3741-2 | 1.0 | --- | -- | E | 700 | HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 5398# USE SA-11 & CA-4. NOTE 7. |
| 5V9 | 5.0 | FW-8W09-0 | 2.4 | --- | P4 | C | 3150 | TRIODE SECTION. |
| 5X9 | 6.3 | FW-3782-4 | 1.5 | --- | P4 | C | 4700 | PENTODE SECTION. USE ADAPTER SA-11 MODEL 5398# USE SA-11 & CA-4. NOTE 7. |
| 5X9 | 6.3 | FW-W901-0 | 1.2 | --- | P4 | D | 3000 | TRIODE SECTION. |
| 6AB8 | 6.3 | EV-9683-7 | 4.0 | --- | P4 | D | 2100 | PENTODE SECTION |
| 6AB8 | 6.3 | EV-2103-0 | 5.0 | --- | P4 | D | 850 | TRIODE SECTION |
| 6AB8 | 6.3 | EV-9683-7 | 4.0 | --- | P4 | D | 2100 | PENTODE SECTION |
| 6AB9 | 6.3 | FW-978W-0 | 1.5 | --- | P4 | C | 4400 | TETRODE NO. 1. USE ADAPTER SA-11. MODEL 5398# USE SA-11 & CA-4. NOTE 7. |
| 6AB9 | 6.3 | FW-3124-0 | 1.5 | --- | P4 | C | 4400 | TETRODE NO. 2. |
| 6AF9 | 6.3 | FW-8W97-0 | 2.2 | --- | P4 | C | 6300 | PENTODE NO. 1. USE ADAPTER SA-11. MODEL 5398# USE SA-11 & CA-4. NOTE 7. |
| 6AF9 | 6.3 | FW-1432-0 | 1.0 | --- | P4 | C | 5300 | PENTODE NO. 2. |
| 6AJ8 | 6.3 | EV-2613-7 | 3.5 | --- | P4 | D | 950 | HEPTODE SECTION. |
| 6AJ8 | 6.3 | EV-9803-2 | 1.5 | --- | P4 | D | 2300 | TRIODE SECTION. |
| 6AK8 | 6.3 | EV-8907-0 | 1.3 | --- | P4 | E | 750 | TRIODE SECTION. |
| 6AK8 | 6.3 | EV-0607-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6AK8 | 6.3 | EV-0203-0 | 0.0 | --- | P1 | E | ---- | DIODE NO. 2. NOTE 3. |
| 6AK8 | 6.3 | EV-0107-0 | 0.0 | --- | P1 | E | ---- | DIODE NO. 3. NOTE 3. |
| 6AL3 | 6.3 | EV-0009-0 | 0.0 | 89 | P3 | G | ---- | REVERSE METER. CAP = P. NOTE 3. |
| 6AM5 | 6.3 | ET-1572-0 | 5.3 | --- | P4 | D | 1650 | |
| 6AM6 | 6.3 | ET-1572-6 | 1.0 | --- | P4 | C | 3800 | |
| 6AQ4 | 6.3 | ET-1705-0 | 0.8 | --- | P4 | C | 5300 | |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|--------------------------------|------|-----------|------------|-------|-------|-------|-----------------|---|
| 6AQ8 | 6.3 | EV-7608-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| 6AQ8 | 6.3 | EV-2103-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| 6B-814 | 6.3 | EV-1063-0 | 23 | --- | P4 | D | 2800 | CAP=P. USE ADAPTER SA-8, 1050-168. |
| 6BD7A | 6.3 | EV-2103-0 | 1.3 | --- | P4 | E | 790 | TRIODE SECTION. |
| 6BD7A | 6.3 | EV-0603-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 6BD7A | 6.3 | EV-0803-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 6BJ5 | 6.3 | ET-1572-0 | 1.0 | --- | P4 | C | 5000 | |
| 6BK8 | 6.3 | EV-9613-8 | 1.5 | --- | P4 | D | 1150 | |
| 6BL8 | 6.3 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION. |
| 6BL8 | 6.3 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION. |
| 6BM8 | 6.3 | EV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION. |
| 6BM8 | 6.3 | EV-1908-0 | 0.6 | --- | P4 | E | 1350 | TRIODE SECTION. |
| 6BN5 | 6.3 | EV-2793-0 | 4.0 | --- | P4 | D | 1850 | |
| 6BQ5 | 6.3 | EV-2793-0 | 1.0 | --- | P4 | C | 5650 | TUBES INDICATING GAS# RE-TEST USING EV-1793-0 |
| 6BR3 | 6.3 | EV-0009-0 | 0.0 | 50 | P1 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| 6BR5 | 6.3 | EV-1902-0 | VARY | 100 | P4 | G | ---- | CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM ANGLE. |
| 6BR7 | 6.3 | EV-2783-9 | 3.0 | --- | P4 | E | 750 | |
| 6BS7 | 6.3 | EV-0783-9 | 3.0 | --- | P4 | E | 750 | CAP = G. |
| 6BT4 | 6.3 | JR-0207-0 | 0.0 | 80 | P3 | G | ---- | DIODE NO. 1. (SEE BELOW) |
| 6BT4 | 6.3 | JR-0607-0 | 0.0 | 80 | P3 | G | ---- | DIODE NO. 2. (SEE BELOW) |
| 6BW6 | 6.3 | EV-2783-9 | 3.3 | --- | P4 | D | 2600 | USE ADAPTER SA-5, 1050-129. NOTE 3 |
| 6BY7 | 6.3 | EV-2781-9 | 2.0 | --- | P4 | D | 2500 | |
| 6C12 | 6.3 | EV-2613-7 | 3.5 | --- | P4 | D | 950 | HEPTODE SECTION. |
| 6C12 | 6.3 | EV-9803-2 | 1.5 | --- | P4 | D | 2300 | TRIODE SECTION. |
| 6C18 | 6.3 | EV-7328-0 | 1.0 | --- | P4 | C | 4600 | PENTODE SECTION. |
| 6C18 | 6.3 | EV-9108-0 | 6.0 | --- | P4 | D | 3000 | TRIODE SECTION. |
| 6CA4 | 6.3 | EV-0703-0 | 0.0 | 87 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 6CA4 | 6.3 | EV-0103-0 | 0.0 | 87 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 6CA7 | 6.3 | HS-5348-1 | 5.5 | --- | P4 | C | 3800 | |
| 6CD7 | 6.3 | HS-4508-0 | VARY | --- | P5 | A | ---- | CONNECT TWO 1 MEG. RESISTORS FROM PLATE JACK TO PINS 3 & 6, RESP., OF ANY CONVENIENT TEST SOCKET. EYE 1 CLOSURES AT BIAS OF ABOUT 5 & EYE 2 CLOSURES AT BIAS OF ABOUT 20. |
| 6CK6 | 6.3 | EV-2713-6 | 0.5 | --- | P4 | C | 6300 | |
| 6CF8 | 6.3 | EV-9613-8 | 1.5 | --- | P4 | D | 1150 | |
| 6CH6 | 6.3 | EV-2783-9 | 0.0 | --- | P4 | C | 6500 | |
| 6CJ5 | 6.3 | JR-6257-0 | 3.0 | --- | P4 | E | 950 | USE HICKOK ADAPTER SA-5, 1050-129. |
| 6CK5 | 6.3 | JR-6257-0 | 1.0 | --- | P4 | C | 6300 | USE HICKOK ADAPTER SA-5, 1050-129. |
| 6CM4 | 6.3 | EV-2103-0 | 1.2 | --- | P4 | B | 8800 | |
| 6CM5 | 6.3 | HS-5048-0 | 11.0 | --- | P4 | C | 5000 | CAP = P. |
| 6CN6 | 6.3 | HS-5048-1 | 0.0 | --- | P4 | B | 8500 | CAP = P. |
| 6CQ6 | 6.3 | ET-1572-6 | 0.7 | --- | P4 | D | 1400 | |
| 6CT7 | 6.3 | JR-6257-4 | 4.4 | --- | P4 | E | 750 | PENTODE SECTION. |
| 6CT7 | 6.3 | JR-0307-0 | 0.0 | --- | P1 | C | ---- | DIODE SECT. USE ADAPTER SA-5, 1050-129. NOTE 3. |
| 6CU7 | 6.3 | JR-6257-4 | 3.3 | --- | P4 | E | 800 | HEXODE SECTION. |
| 6CU7 | 6.3 | JR-4307-6 | 4.7 | --- | P4 | E | 950 | TRIODE SECTION. USE ADAPTER SA-5, 1050-129. |
| 6CV7 | 6.3 | JR-3207-0 | 1.3 | --- | P4 | E | 790 | TRIODE SECTION (SEE BELOW) |
| 6CV7 | 6.3 | JR-0607-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. (SEE BELOW) NOTE 3. |
| 6CV7 | 6.3 | JR-0507-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. (SEE BELOW) NOTE 3. |
| 6CW5 | 6.3 | EV-2793-0 | 4.0 | --- | P4 | C | 4500 | USE HICKOK ADAPTER SA-5, 1050-129. |
| 6CW7 | 6.3 | EV-6907-0 | 3.8 | --- | P4 | C | 3750 | TRIODE NO. 1. |
| 6CW7 | 6.3 | EV-2301-0 | 3.8 | --- | P4 | C | 3750 | TRIODE NO. 2. |
| 6DA5 | 6.3 | EV-1902-0 | VARY | 100 | P4 | G | ---- | CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM ANGLE. |
| 6DC8 | 6.3 | EV-2613-9 | 2.6 | --- | P4 | D | 1800 | PENTODE SECTION. |
| 6DC8 | 6.3 | EV-0803-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| SEE NEXT PAGE FOR CONTINUATION | | | | | | | | |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|--|
| 6DC8 | 6.3 | EV-0703-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 6UG7 | 6.3 | EV-2783-9 | 1.0 | --- | P4 | D | 2070 | |
| 6DL4 | 6.3 | EV-9802-0 | 1.3 | --- | P4 | C | 7500 | |
| 6DL5 | 6.3 | EV-1562-0 | 1.0 | --- | P4 | D | 2900 | |
| 6DR8 | 6.3 | EV-2163-9 | 0.0 | --- | P1 | D | ---- | |
| 6DR8 | 6.3 | EV-0803-0 | 0.0 | --- | P1 | D | ---- | PENTODE SECT. NOTE 3. DIODE NO. 1. NOTE 3. DIODE NO. 2. NOTE 3. |
| 6DR8 | 6.3 | EV-0703-0 | 0.0 | --- | P1 | D | ---- | |
| 6DS8 | 6.3 | EV-7163-2 | 3.0 | --- | P1 | E | 300 | HEPTODE SECT. MAKE NO GAS TEST. TRIODE SECT. MAKE NO GAS TEST. PENTODE SECTION. |
| 6DS8 | 6.3 | EV-9803-0 | 0.8 | --- | P1 | E | 500 | |
| 6DX8 | 6.3 | EV-8697-0 | 0.6 | --- | P4 | C | 6900 | |
| 6DX8 | 6.3 | EV-1203-0 | 1.0 | --- | P4 | D | 2800 | TRIODE SECTION. CAP=P. REVERSE METER. USE HICKOK ADAPTER SA-8, 1050-168. NOTE 3. |
| 6EC4 | 6.3 | EV-0007-0 | 0.0 | 90 | P3 | G | ---- | |
| 6ED4 | 6.3 | EV-0801-0 | 0.0 | --- | P1 | E | ---- | CAP = G. USE HICKOK ADAPTER SA-8, 1050-168. NOTE 3. |
| 6EH7 | 6.3 | EV-2781-9 | 2.4 | --- | P4 | C | 3200 | MAKE NO GAS TEST. NOTE 3. TRIODE NO. 1. TRIODE NO. 2. OK ABOVE 450 ON 3000 SCALE |
| 6EJ7 | 6.3 | EV-2781-9 | 1.2 | --- | P4 | C | 4900 | |
| 6ER5 | 6.3 | EV-2567-0 | 0.8 | --- | P4 | C | 4500 | MAKE NO GAS TEST. NOTE 3. TRIODE NO. 1. TRIODE NO. 2. OK ABOVE 450 ON 3000 SCALE |
| 6ES6 | 6.3 | EV-7652-1 | 0.0 | --- | P1 | E | ---- | |
| 6ES8 | 6.3 | EV-7608-0 | 2.4 | --- | P4 | C | 7500 | |
| 6ES8 | 6.3 | EV-2103-0 | 2.4 | --- | P4 | C | 7500 | |
| 6ET6 | 6.3 | EV-1652-7 | 0.0 | --- | P1 | G | ---- | |
| 6EW7 | 6.3 | EV-7608-0 | 5.4 | --- | P4 | E | 1200 | |
| 6EW7 | 6.3 | EV-2109-0 | 17.0 | --- | P4 | C | 5000 | TRIODE NO. 1. TRIODE NO. 2. |
| 6F12 | 6.3 | EV-1572-6 | 1.0 | --- | P4 | C | 3800 | |
| 6F13 | 6.3 | EV-6257-4 | 1.0 | --- | P4 | C | 4750 | USE HICKOK ADAPTER SA-5, 1050-129. USE HICKOK ADAPTER SA-5, 1050-129. |
| 6F14 | 6.3 | EV-6257-4 | 0.5 | --- | P4 | C | 4750 | |
| 6F16 | 6.3 | EV-6257-0 | 3.0 | --- | P4 | E | 950 | USE HICKOK ADAPTER SA-5, 1050-129. USE HICKOK ADAPTER SA-5, 1050-129 |
| 6F17 | 6.3 | EV-6257-0 | 3.0 | --- | P4 | E | 450 | |
| 6F19 | 6.3 | EV-2781-9 | 2.0 | --- | P4 | D | 2500 | TRIODE NO. 1. SOLID BAR (SEE BELOW) SPLIT BAR (SEE BELOW) CONNECT JUMPER BETWEEN PINS 7 & 9 OF NOVAL SOCKET. CONNECT 470K, 1/2 WATT, 10% RESISTOR BETWEEN JUMPER AND PIN 6 OF SAME SOCKET. |
| 6F21 | 6.3 | EV-1572-6 | 0.7 | --- | P4 | D | 1400 | |
| 6F22 | 6.3 | EV-9613-8 | 1.5 | --- | P4 | D | 1150 | |
| 6F26 | 6.3 | EV-2781-9 | 2.0 | --- | P4 | D | 2500 | |
| 6F29 | 6.3 | EV-2781-9 | 2.8 | --- | P4 | C | 3200 | |
| 6F30 | 6.3 | EV-2781-9 | 1.2 | --- | P4 | C | 4900 | |
| 6F33 | 6.3 | EV-1572-6 | 1.5 | --- | P4 | D | 1500 | |
| 6FC7 | 6.3 | EV-6908-0 | 2.4 | --- | P4 | C | 6000 | |
| 6FC7 | 6.3 | EV-2301-0 | 2.4 | --- | P4 | C | 6000 | |
| 6FG6 | 6.3 | EV-1603-0 | 11.0 | --- | P4 | G | ---- | |
| 6FG6 | 6.3 | EV-1603-0 | 0.0 | --- | P4 | G | ---- | |
| 6FY5 | 6.3 | EV-2501-6 | 1.4 | --- | P4 | C | 7000 | TRIODE NO. 2. SOLID BAR (SEE BELOW) SPLIT BAR (SEE BELOW) CONNECT JUMPER BETWEEN PINS 7 & 9 OF NOVAL SOCKET. CONNECT 470K, 1/2 WATT, 10% RESISTOR BETWEEN JUMPER AND PIN 6 OF SAME SOCKET. |
| 6G-A4 | 6.3 | HS-1308-0 | 5.0 | --- | P4 | C | 6300 | |
| 6G-B3 | 6.3 | HS-5048-0 | 8.0 | --- | P4 | C | 7400 | CAP=P CAP = P. USE ADAPTER SA-8, 1050-168 |
| 6GB5 | 6.3 | EV-2078-0 | 16.0 | --- | P4 | C | 5000 | |
| 6G-B8 | 6.3 | HS-5348-0 | 4.4 | --- | P4 | C | 5600 | PENTODE SECTION. TRIODE SECTION. |
| 6GJ7 | 6.3 | EV-2671-0 | 1.0 | --- | P4 | C | 4900 | |
| 6GJ7 | 6.3 | EV-9803-0 | 4.2 | --- | P4 | C | 6100 | |
| 6GM8 | 6.3 | EV-7608-0 | 1.8 | --- | P1 | E | ---- | TRIODE NO. 1. (SEE BELOW) NOTE 3. TRIODE NO. 2. (SEE BELOW) NOTE 3. NO GAS TEST. OK ABOVE DIODES OK. |
| 6GM8 | 6.3 | EV-2103-0 | 1.8 | --- | P1 | E | ---- | |
| 6GS7 | 6.3 | EV-9678-0 | 0.4 | --- | P4 | C | 5000 | PENTODE SECTION. TRIODE SECTION. PENTODE SECTION. |
| 6GS7 | 6.3 | EV-1203-0 | 5.0 | --- | P4 | C | 3100 | |
| 6GV7 | 6.3 | EV-7328-0 | 1.0 | --- | P4 | C | 4600 | |
| 6GV7 | 6.3 | EV-9108-0 | 6.0 | --- | P4 | D | 3000 | TRIODE SECTION. PENTODE SECTION. |
| 6GV8 | 6.3 | EV-9678-0 | 8.0 | --- | P4 | C | 4100 | |
| 6GV8 | 6.3 | EV-2103-0 | 2.0 | --- | P4 | D | 2800 | TRIODE SECTION. PENTODE SECTION. TRIODE SECTION. |
| 6GW8 | 6.3 | EV-8637-1 | 1.0 | --- | P4 | C | 5500 | |
| 6GW8 | 6.3 | EV-1902-0 | 0.7 | --- | P4 | E | 550 | |
| 6GX8 | 6.3 | EV-8769-3 | 19.0 | --- | P4 | A | ---- | SOLID BAR (SEE BELOW) SEE NEXT PAGE FOR CONTINUATION |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|---|
| 6Gx8 | 6.3 | EV-8769-3 | 6.0 | --- | P4 | A | ---- | SPLIT BAR (SEE BELOW) PLATE VOLTS = LOW. SHORT ON POSITION 'E' NORMAL. DIODE. |
| 6GX8 | 6.3 | EV-0203-0 | 0.0 | --- | P1 | D | ---- | |
| 6HA5 | 6.3 | ET-1507-6 | 1.2 | --- | P4 | C | 8000 | |
| 6H-B25 | 6.3 | EV-2079-8 | 12.0 | --- | P4 | C | 4100 | CAP=P. USE ADAPTER SA-8, 1050-168. |
| 6HG8 | 6.3 | EV-2893-0 | 0.8 | --- | P4 | C | 5000 | PENTODE SECTION. |
| 6HG8 | 6.3 | EV-6703-0 | 8.0 | --- | P4 | C | 4000 | TRIODE SECTION. |
| 6HK8 | 6.3 | EV-7608-9 | 2.0 | --- | P4 | C | 4000 | TRIODE NO. 1. |
| 6HK8 | 6.3 | EV-2103-9 | 2.0 | --- | P4 | C | 4000 | TRIODE NO. 2. |
| 6HU6 | 6.3 | EV-1603-0 | 6.0 | --- | P4 | G | ---- | SOLID BAR (SEE BELOW) |
| 6HU6 | 6.3 | EV-1603-0 | 0.0 | --- | P4 | G | ---- | SPLIT BAR (SEE BELOW) CONNECT JUMPER BETWEEN PINS 7 & 9 OF NOVAL SOCKET. CONNECT 100K, 1/2 WATT, 10% RESISTOR BETWEEN JUMPER AND PIN 6 OF SAME SOCKET. |
| 6HU8 | 6.3 | EV-2317-0 | 2.0 | --- | P4 | H | 3300 | PENTODE NO. 1. |
| 6HU8 | 6.3 | EV-6897-0 | 2.0 | --- | P4 | D | 3300 | PENTODE NO. 2. |
| 6JV6 | 6.3 | B3-X732-W | 15.0 | --- | P4 | C | 7500 | MODEL 539B# NOTE 7. |
| 6JW8 | 6.3 | EV-2637-0 | 1.6 | --- | P4 | D | 2400 | PENTODE SECTION. |
| 6JW8 | 6.3 | EV-9108-0 | 1.1 | --- | P4 | H | 2200 | TRIODE SECTION. |
| 6JX8 | 6.3 | EV-2673-1 | 0.4 | --- | --- | E | 750 | HEPTODE SECTION. HOLD DOWN P1 AND PRESS P4. |
| 6JX8 | 6.3 | EV-9803-0 | 0.2 | --- | P4 | D | 2025 | TRIODE SECTION. PLATE VOLTS = LOW. |
| 6KG6 | 6.3 | EV-1039-2 | 27.0 | --- | P4 | D | 2600 | CAP=P. USE ADAPTER. SA-8, 1050-168 |
| 6KH8 | 6.3 | EV-2397-0 | 2.0 | --- | P4 | C | 3400 | PENTODE NO. 1. NOTE # 6-, 7+. |
| 6KH8 | 6.3 | EV-5897-0 | 2.0 | --- | P4 | C | 3400 | PENTODE NO. 2. NOTE # 2-, 7+. |
| 6KH8 | 6.3 | EV-2107-0 | 2.0 | --- | P4 | F | 80 | TRIODE SECTION. |
| 6KN8 | 6.3 | EV-7608-0 | 2.2 | --- | P4 | B | 7900 | TRIODE NO. 1. |
| 6KN8 | 6.3 | EV-2103-0 | 2.2 | --- | P4 | B | 7900 | TRIODE NO. 2. |
| 6KW6 | 6.3 | EV-1637-0 | 12.0 | --- | P4 | D | 2600 | USE HICKOK ADAPTER SA-8, 1050-168. |
| 6L12 | 6.3 | EV-7608-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| 6L12 | 6.3 | EV-2103-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| 6L13 | 12.6 | EV-7608-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 1. |
| 6L13 | 12.6 | EV-2103-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 2. |
| 6L34 | 6.3 | ET-1705-0 | 0.8 | --- | P4 | C | 5300 | |
| 6LD3 | 6.3 | JR-3207-0 | 1.3 | --- | P4 | E | 790 | TRIODE SECTION. (SEE BELOW) |
| 6LD3 | 6.3 | JR-0607-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. (SEE BELOW) NOTE 3. |
| 6LD3 | 6.3 | JR-0507-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. (SEE BELOW) NOTE 3. USE HICKOK ADAPTER SA-5, 1050-129. |
| 6LD12 | 6.3 | EV-8907-0 | 1.3 | --- | P4 | E | 750 | TRIODE SECTION. |
| 6LD12 | 6.3 | EV-0607-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6LD12 | 6.3 | EV-0203-0 | 0.0 | --- | P1 | E | ---- | DIODE NO. 2. NOTE 3. |
| 6LD12 | 6.3 | EV-0107-0 | 0.0 | --- | P1 | E | ---- | DIODE NO. 3. NOTE 3. |
| 6LD13 | 6.3 | EV-2103-0 | 1.3 | --- | P4 | E | 790 | TRIODE SECTION. |
| 6LD13 | 6.3 | EV-0603-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 6LD13 | 6.3 | EV-0803-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 6LF6 | 6.3 | B3-5032-4 | 23 | --- | P4 | C | 5200 | CAP=P. NOTE 7 |
| 6LN8 | 6.3 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION. |
| 6LN8 | 6.3 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION. |
| 6LV6 | 6.3 | B3-5032-4 | 23 | --- | P4 | C | 5200 | CAP=P. NOTE 7 |
| 6LX8 | 6.3 | EV-2637-0 | 1.6 | --- | P4 | D | 2400 | PENTODE SECTION. |
| 6LX8 | 6.3 | EV-9108-0 | 1.1 | --- | P4 | D | 2200 | TRIODE SECTION. |
| 6M5 | 6.3 | EV-2713-0 | 1.0 | --- | P4 | C | 6300 | |
| 6MG8 | 6.3 | EV-2637-0 | 1.0 | --- | P4 | D | 2500 | PENTODE SECTION. |
| 6MG8 | 6.3 | EV-9108-0 | 1.0 | --- | P4 | C | 4700 | TRIODE SECTION. |
| 6M-HH3 | 6.3 | ET-6107-0 | 1.5 | --- | P4 | C | 5500 | TRIODE NO. 1. |
| 6M-HH3 | 6.3 | ET-5207-0 | 1.5 | --- | P4 | C | 5500 | TRIODE NO. 2. |
| 6N3 | 6.3 | EV-0903-0 | 0.0 | 90 | P3 | G | ---- | NOTE 3. |
| 6N-H10 | 6.3 | DR-4208-0 | 2.0 | --- | P4 | F | 1700 | 1050-127. NOTE 7 |
| 6N-H10 | 6.3 | 13-4208-7 | 2.0 | --- | P4 | E | 1700 | MODEL 539B USING ADAPTER SA-3, |
| 6N-L7 | 6.3 | DR-4208-0 | 9.0 | --- | P4 | E | 1150 | MODEL 539C# NO ADAPTER REQUIRED. PLATE VOLTS=LOW. USE ADAPTER SA-3, 1050-127 OR CA-4, 1050-135. NOTE 7 |
| | | | | | | | | SEE NEXT PAGE FOR CONTINUATION |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|---|
| 6N-L7 | 6.3 | 13-420R-0 | 9.0 | --- | P4 | E | 1150 | 539C, NO ADAPTER REQUIRED |
| 6PL12 | 6.3 | EV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION. |
| 6PL12 | 6.3 | FV-1908-0 | 0.6 | --- | P4 | E | 1350 | TRIODE SECTION. |
| 6R3 | 6.3 | EV-0009-0 | 0.0 | 90 | P3 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| 6R-HH2 | 6.3 | EV-7608-9 | 2.0 | --- | P4 | C | 4000 | TRIODE NO. 1. |
| 6R-HH2 | 6.3 | EV-2103-9 | 2.0 | --- | P4 | C | 4000 | TRIODE NO. 2. |
| 6R-HH8 | 6.3 | EV-7608-0 | 2.2 | --- | P4 | B | 7900 | TRIODE NO. 1. |
| 6R-HH8 | 6.3 | EV-2103-0 | 2.2 | --- | P4 | B | 7900 | TRIODE NO. 2. |
| 6R-K19 | 6.3 | EV-0009-0 | 0.0 | 50 | P1 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| 6R-P15 | 6.3 | FV-1793-0 | 1.0 | --- | P4 | C | 5000 | |
| 6R-P22 | 6.3 | EV-2631-7 | 1.0 | --- | P4 | D | 2350 | |
| 6S2A | 6.3 | ES-0000-0 | 0.0 | 14 | P5 | G | ---- | CAP=P. NOTE 3 |
| 6U9 | 6.3 | FW-W901-0 | 4.5 | --- | P4 | C | 3150 | TRIODE SECTION. |
| 6U9 | 6.3 | FW-3782-4 | 1.5 | --- | P4 | C | 4400 | PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. |
| 6V9 | 6.3 | FW-3741-2 | 1.0 | --- | -- | E | 700 | NOTE 7. HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| 6V9 | 6.3 | FW-8W09-0 | 2.4 | --- | P4 | C | 3150 | TRIODE SECTION. |
| 6X4 | 6.3 | ET-0607-1 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 6X4 | 6.3 | ET-0107-6 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 6X5 | 6.3 | HS-0508-1 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 6X5 | 6.3 | HS-0308-1 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 6X6 | 6.3 | HS-5408-6 | 40.0 | 100 | P5 | G | ---- | EYES OPEN. |
| 6X6 | 6.3 | HS-5438-6 | 40.0 | 100 | P5 | G | ---- | EYES CLOSED. |
| 6X9 | 6.3 | FW-3782-4 | 1.5 | --- | P4 | C | 4700 | PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| 6X9 | 6.3 | FW-W901-0 | 1.2 | --- | P4 | D | 3000 | TRIODE SECTION. |
| 6Y9 | 6.3 | FW-8W97-0 | 2.2 | --- | P4 | C | 6300 | PENTODE NO. 1. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| 6Y9 | 6.3 | FW-1432-0 | 1.0 | --- | P4 | C | 5300 | PENTODE NO. 2. |
| 7AN7 | 7.5 | EV-6907-0 | 3.8 | --- | P4 | C | 3750 | TRIODE NO. 1. |
| 7AN7 | 7.5 | EV-2301-0 | 3.8 | --- | P4 | C | 3750 | TRIODE NO. 2. |
| 7D9 | 6.3 | ET-1572-0 | 5.3 | --- | P4 | D | 1650 | |
| 7ES8 | 7.5 | EV-7608-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 1. |
| 7ES8 | 7.5 | EV-2103-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 2. |
| 7F16 | 6.3 | JR-6257-0 | 3.0 | --- | P4 | E | 950 | USE HICKOK ADAPTER SA-5,1050-129. |
| 7FC7 | 7.5 | EV-6908-0 | 2.4 | --- | P4 | C | 6000 | TRIODE NO. 1. |
| 7FC7 | 7.5 | EV-2301-0 | 2.4 | --- | P4 | C | 6000 | TRIODE NO. 2. |
| 7GS7 | 7.5 | EV-9678-0 | 0.4 | --- | P4 | C | 5000 | PENTODE SECTION. |
| 7GS7 | 7.5 | EV-1203-0 | 5.0 | --- | P4 | C | 3100 | TRIODE SECTION. |
| 7GV7 | 7.5 | EV-7328-0 | 1.0 | --- | P4 | C | 4600 | PENTODE SECTION. |
| 7GV7 | 7.5 | EV-9108-0 | 6.0 | --- | P4 | D | 3000 | TRIODE SECTION. |
| 7HG8 | 7.5 | EV-2893-0 | 0.8 | --- | P4 | C | 5050 | PENTODE SECTION. |
| 7HG8 | 7.5 | EV-6703-0 | 8.0 | --- | P4 | C | 4000 | TRIODE SECTION. |
| 8A8 | 10.0 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION. |
| 8A8 | 10.0 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION. |
| 8AVLL | 7.5 | 83-9W04-0 | 3.0 | --- | P4 | E | 1600 | TRIODE NO. 1. MODEL 539B# NOTE 7. |
| 8AVLL | 7.5 | 83-7506-0 | 3.0 | --- | P4 | E | 1600 | TRIODE NO. 2. |
| 8AVLL | 7.5 | 83-X203-0 | 3.0 | --- | P4 | E | 1600 | TRIODE NO. 3. |
| 888 | 7.5 | EV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION. |
| 888 | 7.5 | EV-1908-0 | 0.6 | --- | P4 | F | 1350 | TRIODE SECTION. |
| 8CW5 | 7.5 | EV-2793-0 | 4.0 | --- | P4 | C | 4500 | |
| 8D3 | 6.3 | ET-1572-6 | 1.0 | --- | P4 | C | 3800 | |
| 8D5 | 6.3 | EV-2783-9 | 3.0 | --- | P4 | E | 750 | |
| 8D6 | 6.3 | EV-2781-9 | 0.5 | --- | P4 | C | 4500 | |
| 8D7 | 6.3 | EV-0783-9 | 3.0 | --- | P4 | E | 750 | CAP = G. |
| 8D8 | 6.3 | EV-9613-8 | 1.5 | --- | P4 | D | 1150 | |
| 8DX8 | 7.5 | EV-8697-0 | 0.6 | --- | P4 | C | 6900 | PENTODE SECTION. |
| 8DX8 | 7.5 | EV-1203-0 | 1.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| 8GJ7 | 7.5 | EV-2671-0 | 1.0 | --- | P4 | C | 4900 | PENTODE SECTION. |

SEE NEXT PAGE FOR CONTINUATION

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|--|
| 8GJ7 | 7.5 | EV-9803-0 | 4.2 | --- | P4 | C | 6100 | TRIODE SECTION. |
| 8K11 | 7.5 | B3-9W04-8 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 1. MODEL 539B# NOTE 7. |
| 8K11 | 7.5 | B3-7506-8 | 1.3 | --- | P4 | E | 800 | TRIODE NO. 2. |
| 8K11 | 7.5 | B3-X203-3 | 1.3 | --- | P4 | E | 800 | TRIODE NO. 3. |
| 8LS6 | 7.5 | EV-2781-3 | 5.0 | --- | P4 | C | 5300 | |
| 8U9 | 7.5 | FW-3782-4 | 1.5 | --- | P4 | C | 4400 | PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| 8U9 | 7.5 | FW-W901-0 | 4.5 | --- | P4 | C | 3150 | TRIODE SECTION. |
| 8X9 | 7.5 | FW-3782-4 | 1.5 | --- | P4 | C | 4700 | PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| 8X9 | 7.5 | FW-W901-0 | 1.2 | --- | P4 | D | 3000 | TRIODE SECTION. |
| 9A8 | 10.0 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION. |
| 9A8 | 10.0 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION. |
| 9AB4 | 10.0 | ET-6107-0 | 1.6 | --- | P4 | D | 2500 | |
| 9AK8 | 10.0 | EV-8907-6 | 1.3 | --- | P4 | E | 750 | TRIODE SECTION. |
| 9AK8 | 10.0 | EV-0607-1 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 9AK8 | 10.0 | EV-0203-7 | 0.0 | --- | P1 | E | ---- | DIODE NO. 2. NOTE 3. |
| 9AK8 | 10.0 | EV-0107-8 | 0.0 | --- | P1 | E | ---- | DIODE NO. 3. NOTE 3. |
| 9AQ8 | 10.0 | EV-7608-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| 9AQ8 | 10.0 | EV-2103-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| 9BR8 | 10.0 | EV-9678-0 | 0.8 | --- | P4 | D | 2400 | PENTODE SECTION. |
| 9BR8 | 10.0 | EV-1203-0 | 1.0 | --- | P4 | C | 5350 | TRIODE SECTION. |
| 9BW6 | 10.0 | EV-2783-9 | 3.3 | --- | P4 | D | 2600 | |
| 9CG8A | 10.0 | EV-9678-0 | 1.2 | --- | P4 | C | 2900 | PENTODE SECTION. |
| 9CG8A | 10.0 | EV-1203-0 | 2.0 | --- | P4 | C | 3650 | TRIODE SECTION. |
| 9D6 | 6.3 | ET-1572-6 | 0.7 | --- | P4 | D | 1400 | |
| 9ED4 | 7.5 | EV-0801-0 | 0.0 | --- | P1 | E | ---- | CAP = G. USE HICKOK ADAPTER SA-8, 1050-16R. NOTE 3. |
| 9GH8A | 10.0 | EV-2637-0 | 1.7 | --- | P4 | D | 2500 | PENTODE SECTION. |
| 9GH8A | 10.0 | EV-9108-0 | 1.3 | --- | P4 | C | 5300 | TRIODE SECTION. |
| 9GV8 | 10.0 | EV-9678-0 | 8.0 | --- | P4 | C | 4100 | PENTODE SECTION. |
| 9GV8 | 10.0 | EV-2103-0 | 2.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| 9J6 | 10.0 | ET-5207-0 | 1.8 | --- | P4 | C | 3340 | TRIODE NO. 1 |
| 9J6 | 10.0 | ET-6107-0 | 1.8 | --- | P4 | C | 3340 | TRIODE NO. 2 |
| 9JW8 | 10.0 | EV-2637-0 | 1.6 | --- | P4 | D | 2400 | PENTODE SECTION. |
| 9JW8 | 10.0 | EV-9108-0 | 1.1 | --- | P4 | D | 2200 | TRIODE SECTION. |
| 9V9 | 10.0 | FW-3741-2 | 1.0 | --- | -- | F | 700 | HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| 9V9 | 10.0 | FW-8W09-0 | 2.4 | --- | P4 | C | 3150 | TRIODE SECTION. |
| 10C14 | 20.0 | EV-2613-7 | 3.5 | --- | P4 | D | 950 | HEPTODE SECTION. |
| 10C14 | 20.0 | EV-9803-2 | 1.5 | --- | P4 | D | 2300 | TRIODE SECTION. |
| 10CW5 | 10.0 | EV-2793-0 | 4.0 | --- | P4 | C | 4500 | |
| 10D2 | 20.0 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| 10D2 | 20.0 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| 10DX8 | 10.0 | EV-8697-0 | 0.6 | --- | P4 | C | 6900 | PENTODE SECTION. |
| 10DX8 | 10.0 | EV-1203-0 | 1.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| 10FD12 | 20.0 | EV-2613-9 | 2.6 | --- | P4 | D | 1800 | PENTODE SECTION. |
| 10FD12 | 20.0 | EV-0803-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 10FD12 | 20.0 | EV-0705-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 10GV8 | 10.0 | EV-9678-0 | 8.0 | --- | P4 | C | 4100 | PENTODE SECTION. |
| 10GV8 | 10.0 | EV-2103-0 | 2.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| 10LD3 | 12.6 | JR-3207-0 | 1.3 | --- | P4 | E | 790 | TRIODE SECTION (SEE BELOW) |
| 10LD3 | 12.6 | JR-0607-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. (SEE BELOW) NOTE 3. |
| 10LD3 | 12.6 | JR-0507-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. (SEE BELOW) NOTE 3. |
| 10LD12 | 25.0 | EV-8907-0 | 1.3 | --- | P4 | E | 750 | USE HICKOK ADAPTER SA-5, 1050-129. TRIODE SECTION. |
| 10LD12 | 25.0 | EV-0607-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 10LD12 | 25.0 | EV-0203-0 | 0.0 | --- | P1 | E | ---- | DIODE NO. 2. NOTE 3. |
| 10LD12 | 25.0 | EV-0107-0 | 0.0 | --- | P1 | E | ---- | DIODE NO. 3. NOTE 3. |
| 10LD13 | 12.6 | EV-2103-0 | 1.3 | --- | P4 | E | 790 | TRIODE SECTION. |
| 10LD13 | 12.6 | EV-0603-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |

SEE NEXT PAGE FOR CONTINUATION

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|---|
| 10LD13 | 12.6 | EV-0803-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 10LD14 | 25.0 | EV-7608-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| 10LD14 | 25.0 | EV-2103-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| 10P18 | 50.0 | EV-2793-0 | 4.0 | --- | P4 | C | 4500 | |
| 10PL12 | 50.0 | EV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION. |
| 10PL12 | 50.0 | EV-1908-0 | 0.6 | --- | P4 | E | 1350 | TRIODE SECTION. |
| 11AF9 | 12.6 | FW-8W97-0 | 2.2 | --- | P4 | C | 6300 | PENTODE NO. 1. USE ADAPTER SA-11. MODEL 5398# NOTE 7. |
| 11AF9 | 12.6 | FW-1432-0 | 1.0 | --- | P4 | C | 5300 | PENTODE NO. 2. |
| 11B8 | 10.0 | EV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION. |
| 11B8 | 10.0 | EV-1908-0 | 0.6 | --- | P4 | F | 1350 | TRIODE SECTION. |
| 11R3 | 10.0 | EV-0009-0 | 0 | 90 | P3 | F | ---- | CAP=P. REVERSE METER. NOTE 1. |
| 11Y9 | 10.0 | FW-8W97-0 | 2.2 | --- | P4 | C | 6300 | PENTODE NO. 1. USE ADAPTER SA-11. MODEL 5398# USE SA-11 & CA-4. NOTE 7. |
| 11Y9 | 10.0 | FW-1432-0 | 1.0 | --- | P4 | C | 5300 | PENTODE NO. 2. |
| 12AC5 | 12.6 | JR-6257-0 | 3.0 | --- | P4 | E | 950 | USE HICKOK ADAPTER SA-5, 1050-129. |
| 12AJ7 | 12.6 | EV-2613-7 | 3.5 | --- | P4 | D | 950 | HEPTODE SECTION. |
| 12AJ7 | 12.6 | EV-9803-2 | 1.5 | --- | P4 | D | 2300 | TRIODE SECTION. |
| 12B-B14 | 12.6 | EV-1063-0 | 23.0 | --- | P4 | D | 2800 | CAP=P. USE ADAPTER SA-8, 1050-168. |
| 12BR3 | 12.6 | EV-0009-0 | 0.0 | 50 | P1 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| 12BX6 | 12.6 | EV-2781-9 | 0.5 | --- | P4 | C | 4500 | |
| 12DA6 | 12.6 | EV-2783-9 | 2.2 | --- | P4 | D | 1900 | |
| 12DW4A | 12.6 | EV-0209-0 | 0.0 | 82 | P3 | G | ---- | USE ADAPTER SA-4, 1050-144 OR CA-4 1050-135 WITH MODEL 539B. MODEL 539C REQUIRES NO ADAPTER. NOTE 3. |
| 12F07 | 12.6 | EV-7608-0 | 3.7 | --- | P4 | D | 1640 | TRIODE NO. 1. |
| 12F07 | 12.6 | EV-2103-0 | 3.7 | --- | P4 | D | 1640 | TRIODE NO. 2. |
| 12GB3 | 12.6 | HS-5048-0 | 8.0 | --- | P4 | C | 7400 | CAP = P. |
| 12G-K17 | 12.6 | HY-0503-0 | 0.0 | 89 | P3 | G | ---- | NOTE 3. |
| 12H-B25 | 12.6 | EV-2079-8 | 12.0 | --- | P4 | C | 4100 | CAP=P. USE ADAPTER SA-8, 1050-168. |
| 12HU8 | 12.6 | EV-2317-0 | 2.0 | --- | P4 | D | 3300 | PENTODE NO. 1. |
| 12HU8 | 12.6 | EV-6897-0 | 2.0 | --- | P4 | D | 3300 | PENTODE NO. 2. |
| 12RK19 | 12.6 | EV-0009-0 | 0.0 | 50 | P1 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| 12S7 | 12.6 | JR-6257-4 | 4.4 | --- | P4 | E | 750 | PENTODE SECTION. USE HICKOK ADAPTER SA-5, 1050-129. |
| 12S7 | 21.6 | JR-0307-0 | 0.0 | --- | P1 | C | ---- | DIODE SECTION. NOTE 3. |
| 13CM5 | 12.6 | HS-5048-0 | 11.0 | --- | P4 | C | 5000 | CAP = P. |
| 13D1 | 25.0 | HY-4506-2 | 3.7 | --- | P4 | D | 1640 | TRIODE NO. 1. |
| 13D1 | 25.0 | HY-1203-5 | 3.7 | --- | P4 | D | 1640 | TRIODE NO. 2. |
| 13D2 | 6.3 | HY-4506-2 | 3.7 | --- | P4 | D | 1640 | TRIODE NO. 1. |
| 13D2 | 6.3 | HY-1203-5 | 3.7 | --- | P4 | D | 1640 | TRIODE NO. 2. |
| 13GB5 | 12.6 | EV-2078-0 | 16.0 | --- | P4 | C | 5000 | CAP=P. USE ADAPTER SA-8, 1050-168. |
| 14GW8 | 12.6 | EV-8637-0 | 1.0 | --- | P4 | C | 5500 | PENTODE SECTION. |
| 14GW8 | 12.6 | EV-1902-0 | 0.7 | --- | P4 | E | 550 | TRIODE SECTION. |
| 14K7 | 12.6 | JR-6257-4 | 3.3 | --- | P4 | E | 800 | HEXODE SECTION. |
| 14K7 | 12.6 | JR-4307-6 | 4.7 | --- | P4 | E | 950 | TRIODE SECTION. USE ADAPTER SA-5, 1050-129. |
| 14L7 | 12.6 | JR-3207-0 | 1.3 | --- | P4 | E | 790 | TRIODE SECTION. |
| 14L7 | 12.6 | JR-0607-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 14L7 | 12.6 | JR-0507-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. USE ADAPTER SA-5, 1050-129. NOTE 3. |
| 15CW5 | 12.6 | EV-2793-0 | 8.0 | --- | P4 | C | 6300 | SET POWER ADJUST AT 114V. |
| 15D08 | 12.6 | EV-8697-0 | 0.6 | --- | P4 | C | 6900 | PENTODE SECTION. |
| 15D08 | 12.6 | EV-1203-0 | 1.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| 15EW7 | 12.6 | EV-7608-0 | 5.4 | --- | P4 | E | 1200 | TRIODE NO. 1. SET =POWER ADJUST= AT 112V. |
| 15EW7 | 12.6 | EV-2109-0 | 17.0 | --- | P4 | C | 5000 | TRIODE NO. 2. |
| 16A5 | 20.0 | EV-2793-0 | 6.0 | --- | P4 | D | 3500 | DISREGARD SHORTS TEST AFTER GM TEST IS COMPLETED. ALLOW 60 SEC. FOR WARM-UP & 5 SEC. FOR GM READINGS. KEEP LINE ADJUSTED AT 80 V. |
| 16A8 | 20.0 | EV-3672-0 | 7.2 | --- | P4 | D | 3100 | PENTODE SECTION. |
| 16A8 | 20.0 | EV-1908-0 | 0.5 | --- | P4 | D | 1650 | TRIODE SECTION. |
| 16AQ3 | 12.6 | EV-0009-0 | 0.0 | 89 | P3 | G | ---- | REVERSE METER. CAP = P. NOTE 3. |

| TUBE TYPE | FIL. | SFLECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | MUTATIONS |
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| 16H85 | 20.0 | B3-X72W-0 | 3.2 | --- | P4 | C | 4250 | SET =POWER ADJUST= AT 80V. MODEL 539B# NOTE 7. |
| 16JV6 | 20.0 | B3-X732-X | 15.0 | --- | P4 | C | 4700 | SET =POWER ADJUST= AT 80V. MODEL 539B# NOTE 7. |
| 16LU8A | 20.0 | B3-6489-0 | 10.0 | --- | P4 | C | 3500 | PENTODE SECTION. NOTE 7 |
| 16LU8A | 20.0 | B3-W20X-0 | 3.6 | --- | P4 | F | 650 | SET =POWER ADJUST= AT 80V. TRIODE SECT. |
| 16Y9 | 20.0 | FW-8497-0 | 1.4 | --- | P4 | C | 6300 | PENTODE NO. 1. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7. SET POWER ADJUST AT 90 V. |
| 16Y9 | 20.0 | FW-1432-0 | 0.5 | --- | P4 | C | 5300 | PENTODE NO. 2. |
| 17A8 | 20.0 | EV-2637-0 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION (SEE BELOW) |
| 17A8 | 20.0 | EV-9108-0 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION (SEE BELOW) |
| 17A89 | 20.0 | FW-978W-0 | 1.5 | --- | P4 | C | 3500 | SET CATH ACT SWITCH TO TEST. TETRODE NO. 1. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7. SET POWER ADJUST AT 85 V. |
| 17A89 | 20.0 | FW-3124-0 | 1.5 | --- | P4 | C | 3500 | TETRODE NO. 2. |
| 17B-814 | 20.0 | EV-1063-0 | 23.0 | --- | P4 | D | 2800 | CAP = P. SET 'POWER ADJUST' AT 87V USE HICKOK ADAPTER SA-8, 1050-168. |
| 17BR3 | 20.0 | EV-0009-0 | 0.0 | 90 | P3 | G | ---- | CAP = P. REVERSE METER. SET 'POWER ADJUST' AT 90V. NOTE 3. |
| 17C8 | 20.0 | FV-2613-9 | 0.9 | --- | P4 | F | 1400 | PENTODE SECTION. |
| 17C8 | 20.0 | EV-0703-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 17C8 | 20.0 | EV-0803-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 17DW4A | 20.0 | EV-0209-0 | 0.0 | 90 | P3 | G | ---- | SET POWER ADJUST AT 90V. NOTE 3. USE ADAPTER SA-4, 1050-144 OR CA-4 1050-135 WITH MODEL 539B. MODEL 539C REQUIRES NO ADAPTER. |
| 17EW8 | 20.0 | EV-7608-0 | 1.5 | --- | P4 | C | 3600 | TRIODE NO. 1. |
| 17EW8 | 20.0 | EV-2103-0 | 1.5 | --- | P4 | C | 3600 | TRIODE NO. 2. |
| 17H-B25 | 20.0 | EV-2079-8 | 12.0 | --- | P4 | C | 4100 | CAP=P. USE ADAPTER SA-8, 1050-168. |
| 17KW6 | 20.0 | EV-1637-0 | 12.0 | --- | P4 | C | 2600 | SET =POWER ADJUST AT 90V. SET CATH. ACT TO TEST POSITION. USE HICKOK ADAPTER SA-8, 1050-168. |
| 17R-K19 | 20.0 | EV-0009-0 | 0.0 | 90 | P3 | G | ---- | CAP = P. REVERSE METER. SET POWER ADJUST AT 90V. NOTE 3. |
| 17Z3 | 20.0 | EV-0009-0 | 0.0 | --- | P3 | F | ---- | CAP = P. REVERSE METER. NOTE 3. |
| 18GB5 | 20.0 | FV-2078-0 | 16.0 | --- | P4 | C | 5000 | CAP=P. USE ADAPTER SA-8, 1050-168. |
| 18GV8 | 20.0 | EV-9678-0 | 8.0 | --- | P4 | C | 4100 | PENTODE SECTION. |
| 18GV8 | 20.0 | FV-2103-0 | 2.0 | --- | P4 | D | 2400 | TRIODE SECTION. |
| 18J6 | 20.0 | ET-5207-0 | 1.8 | --- | P4 | C | 3340 | TRIODE NO. 1. |
| 18J6 | 20.0 | ET-6107-0 | 1.8 | --- | P4 | C | 3340 | TRIODE NO. 2. |
| 19AJ8 | 20.0 | FV-2613-7 | 3.5 | --- | P4 | D | 950 | HEPTODE SECTION. |
| 19AJ8 | 20.0 | EV-9803-2 | 1.5 | --- | P4 | D | 2300 | TRIODE SECTION. |
| 19AQ5 | 20.0 | ET-1562-0 | 2.1 | --- | P4 | D | 2600 | |
| 19BR5 | 20.0 | EV-1902-0 | VARY | 100 | P4 | G | ---- | CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM ANGLE. |
| 19BX6 | 20.0 | EV-2781-9 | 0.5 | --- | P4 | C | 4500 | |
| 19BY7 | 20.0 | FV-2781-9 | 2.0 | --- | P4 | D | 2500 | |
| 19D8 | 20.0 | EV-2613-7 | 3.5 | --- | P4 | D | 950 | HEPTODE SECTION. |
| 19D8 | 20.0 | EV-9803-2 | 1.5 | --- | P4 | D | 2300 | TRIODE SECTION. |
| 19EW7 | 20.0 | EV-7608-0 | 5.4 | --- | P4 | E | 1200 | TRIODE NO. 1. |
| 19EW7 | 20.0 | EV-2109-0 | 17.0 | --- | P4 | C | 5000 | TRIODE NO. 2. |
| 19FL8 | 20.0 | EV-2613-9 | 2.6 | --- | P4 | D | 1800 | PENTODE SECTION. |
| 19FL8 | 20.0 | EV-0803-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| 19FL8 | 20.0 | EV-0703-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| 19G3 | 4.3 | HS-0000-0 | 0.0 | --- | P3 | G | ---- | CAP = P. NOTE 3. |
| 19KF6 | 20.0 | EV-7963-2 | 20.0 | --- | P4 | C | 4400 | USE HICKOK ADAPTER SA-8, 1050-168. |
| 20A3 | 6.3 | ET-1602-5 | | 89 | P5 | G | ---- | STRIKES AT ABOUT 1.8V. NOTE 2. |
| 20A03 | 20.0 | EV-0009-0 | 0.0 | 89 | P3 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| 20EW7 | 20.0 | EV-7608-0 | 5.4 | --- | P4 | E | 1200 | TRIODE NO. 1. |
| 20EW7 | 20.0 | EV-2109-0 | 17.0 | --- | P4 | C | 5000 | TRIODE NO. 2. |
| 20LF6 | 20.0 | B3-5032-4 | 23.0 | --- | P4 | C | 5200 | CAP=P. MODEL 539B# NOTE 7. |
| 21K06 | 20.0 | EV-8039-2 | 7.0 | --- | P4 | C | 5700 | CAP = P. PLATE VOLTS = LOW. USE HICKOK ADAPTER SA-8, 1050-168. |

| TUBE TYPE | FIL. | SELECTORS | FIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MULT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|------------------|--|
| 23JS6A | 25.0 | B3-5032-4 | 25.0 | --- | P4 | C | 3150 | CAP = P. NOTE 7. |
| 25B-R14 | 25.0 | EV-1063-0 | 23 | --- | P4 | D | 2800 | CAP=P. USE ADAPTER SA-8, 1050-168. |
| 25HR3 | 25.0 | EV-0009-0 | 0.0 | 50 | P1 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| 25E5 | 25.0 | HS-5048-0 | 11.0 | --- | P4 | C | 5000 | CAP = P. |
| 25H-B25 | 25.0 | EV-2079-8 | 12.0 | --- | P4 | C | 4100 | CAP=P. USE ADAPTER SA-8, 1050-168. |
| 25HX5 | 25.0 | EV-7963-0 | 15.0 | --- | P4 | C | 4100 | USE ADAPTER SA-8, 1050-168. |
| 25R-K19 | 25.0 | EV-0009-0 | 0.0 | 50 | P1 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| 26A08 | 25.0 | EV-7608-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| 26A08 | 25.0 | EV-2103-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| 26D05 | 25.0 | HS-1043-0 | 26.0 | --- | P4 | D | 3000 | CAP=P. |
| 27G85 | 25.0 | EV-2078-0 | 16.0 | --- | P4 | C | 5000 | CAP=P. USE ADAPTER SA-8, 1050-168. |
| 27K66 | 25.0 | EV-1039-2 | 27.0 | --- | P4 | D | 2600 | CAP=P. USE ADAPTER SA-8, 1050-168. |
| 27LF6 | 25.0 | B3-5032-4 | 23.0 | --- | P4 | C | 5200 | CAP=P. MODEL 539H# NOTE 7. |
| 28AK8 | 25.0 | EV-8907-0 | 1.3 | --- | P4 | F | 750 | TRIODE SECTION. |
| 28AK8 | 25.0 | EV-0607-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 28AK8 | 25.0 | EV-0203-0 | 0.0 | --- | P1 | F | ---- | DIODE NO. 2. NOTE 3. |
| 28AK8 | 25.0 | EV-0107-0 | 0.0 | --- | P1 | F | ---- | DIODE NO. 3. NOTE 3. |
| 28EC4 | 25.0 | EV-0007-0 | 0.0 | 90 | P3 | G | ---- | CAP = P. REVERSE METER. USE ADAPTER SA-8, 1050-168. NOTE 3. |
| 29K06 | 25.0 | EV-8039-2 | 7.0 | --- | P4 | C | 5700 | CAP = P. PLATE VOLTS = LOW. |
| 30A5 | 35.0 | KT-2761-0 | 4.0 | --- | P4 | C | 4500 | USE HICKOK ADAPTER SA-R, 1050-168. BEFORE PLACING TUBE IN SOCKET, COUNT COUNTERCLOCKWISE AND JUMPER A 33 OHM, 2 WATT RESISTOR BETWEEN PINS 4 & 9 OF 9 PIN MIN. SOCKET. |
| 30AE3 | 25.0 | EV-0009-0 | 0.0 | 89 | P3 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| 30C1 | 10.0 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION |
| 30C1 | 10.0 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION. |
| 30CW5 | 25.0 | EV-2794-0 | 8.0 | --- | P4 | C | 6200 | |
| 30L1 | 7.3 | EV-6907-0 | 3.8 | --- | P4 | C | 3750 | TRIODE NO. 1. |
| 30L1 | 7.3 | EV-2301-0 | 3.8 | --- | P4 | C | 1750 | TRIODE NO. 2. |
| 30PL12 | 12.6 | EV-3672-0 | 7.2 | --- | P4 | D | 3100 | PENTODE SECTION |
| 30PL12 | 12.6 | EV-1908-0 | 0.5 | --- | P4 | D | 1650 | TRIODE SECTION |
| 31A3 | 35.0 | RY-0207-0 | 0.0 | 82 | P3 | G | ---- | SET POWER ADJUST TO 85V. USE ADAPTER SA-5, 1050-129. NOTE 3. |
| 31AV3 | 35.0 | EV-0903-0 | 0.0 | 82 | P3 | G | ---- | SET POWER ADJUST TO 85V. NOTE 3. |
| 32A8 | 35.0 | EV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION. |
| 32A8 | 35.0 | EV-1908-0 | 0.6 | --- | P4 | F | 1350 | TRIODE SECTION. |
| 34R3 | 35.0 | EV-0009-0 | 0.0 | 90 | P3 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| 3505 | 35.0 | EV-1623-0 | 1.5 | --- | --- | C | 3650 | HOLD DOWN P1 AND PRESS P4. |
| 38A3 | 35.0 | EV-0903-0 | 0.0 | 88 | P3 | C | --- | NOTE 3. |
| 40K66 | 35.0 | EV-1039-2 | 27.0 | --- | P4 | D | 2600 | CAP=P. USE ADAPTER SA-8, 1050-168. |
| 42EC4 | 50.0 | EV-0007-0 | 0.0 | 90 | P3 | G | ---- | CAP = P. METER REVERSE USE HICKOK ADAPTER SA-R, 1050-168. NOTE 3. |
| 45A5 | 50.0 | JR-6257-0 | 1.0 | --- | P4 | C | 6300 | USE HICKOK ADAPTER SA-5, 1050-129. |
| 45B5 | 50.0 | EV-2793-0 | 4.0 | --- | P4 | C | 4500 | |
| 50BM8 | 50.0 | EV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION. |
| 50BM8 | 50.0 | EV-1908-0 | 0.6 | --- | P4 | F | 1350 | TRIODE SECTION. |
| 50E5 | 50.0 | HS-5048-0 | 11.0 | --- | P4 | C | 5000 | CAP = P. |
| 50JY6 | 50.0 | HS-5048-3 | 15.0 | --- | P4 | C | 4100 | CAP = P. |
| 85A1 | OFF | AP-0208-0 | --- | --- | P4 | H | 85V | STARTS AT ABOUT 120V. REGULATION = 3 VOLTS FROM 1 TO 8MA. |
| 85A2 | OFF | AP-0102-0 | --- | --- | P4 | H | 85V | STARTS AT ABOUT 125V. REGULATION = 3 VOLTS FROM 1 TO 10MA. |
| 90C1 | OFF | AP-0507-0 | --- | --- | P4 | H | 90V | REGULATION = 14 VOLTS, 1 TO 40 MA. |
| 95A1 | OFF | AP-0501-0 | --- | --- | P4 | H | 95V | REGULATION = 5 VOLTS, 2 TO 10 MA. CONNECT A 470K RESISTOR BETWEEN PINS 1, 4, ANY SOCKET ON TESTER. |
| 108C1 | OFF | AP-0502-0 | --- | --- | P4 | H | 108V | STARTS AT ABOUT 115V. REGULATION = 2 VOLTS FROM 5 TO 30 MA. |
| 150B2 | OFF | AP-0102-0 | --- | --- | P4 | H | 150V | STARTS UNDER 180V. REGULATION = 5 VOLTS FROM 5 TO 15 MA. |
| 150C2 | OFF | AP-0502-0 | --- | --- | P4 | H | 150V | STARTS AT ABOUT 155V REGULATION = 2 VOLTS FROM 5 TO 30 MA. |

| TUBE TYPE | FIL. | SELE-CTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|------------|------------|-------|-------|-------|-----------------|--|
| 5894 | 12.6 | HR-6034-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP. |
| 5894 | 12.6 | HR-2034-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP. |
| 5911 | 0.6 | DV-4120-0 | 5.7 | --- | P4 | F | 65 | NOTE 6. |
| 5913 | 1.1 | DV-4120-0 | 4.4 | --- | P4 | F | 260 | NOTE 6. |
| 5920 | 6.3 | ET-5207-0 | 4.8 | --- | P4 | D | 3150 | TRIODE NO. 1. |
| 5920 | 6.3 | ET-6107-0 | 4.8 | --- | P4 | D | 3150 | TRIODE NO. 2. |
| 6042 | 25.0 | HY-4506-2 | 3.7 | --- | P4 | D | 1640 | TRIODE NO. 1. |
| 6042 | 25.0 | HY-1203-5 | 3.7 | --- | P4 | D | 1540 | TRIODE NO. 2. |
| 6057 | 12.6 | EV-7608-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 1. |
| 6057 | 12.6 | EV-2103-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 2. |
| 6059 | 6.3 | EV-2783-9 | 3.0 | --- | P4 | F | 750 | |
| 6060 | 12.6 | EV-7608-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| 6060 | 12.6 | EV-2103-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| 6061 | 6.3 | EV-2783-9 | 3.3 | --- | P4 | D | 2600 | |
| 6063 | 6.3 | ET-0607-1 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| 6063 | 6.3 | ET-0107-6 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| 6064 | 6.3 | ET-1572-6 | 1.0 | --- | P4 | C | 3800 | |
| 6065 | 6.3 | ET-1572-6 | 0.7 | --- | P4 | D | 1400 | |
| 6066 | 6.3 | ET-1702-0 | 1.5 | --- | P4 | F | 820 | TRIODE SECTION. |
| 6066 | 6.3 | ET-1602-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6066 | 6.3 | ET-1502-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6067 | 12.6 | EV-7608-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 1. |
| 6067 | 12.6 | EV-2103-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 2. |
| 6118 | 6.3 | HS-0308-1 | 2.3 | --- | P4 | F | 500 | TRIODE SECTION CAP = G. |
| 6118 | 6.3 | HS-0508-3 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| 6118 | 6.3 | HS-0408-3 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| 6132 | 6.3 | EV-2783-9 | 0.0 | --- | P4 | C | 6500 | |
| 6227 | 6.3 | EV-2783-9 | 2.2 | --- | P4 | C | 4200 | |
| 6252 | 12.6 | HR-2034-0 | 5.0 | --- | P4 | F | 1550 | TETRODE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP. |
| 6252 | 12.6 | HR-6034-0 | 5.0 | --- | P4 | E | 1550 | TETRODE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP. |
| 6267 | 6.3 | EV-9613-8 | 1.5 | --- | P4 | D | 1150 | |
| 6360 | 12.6 | EV-3872-0 | 8.0 | --- | P4 | D | 2100 | TETRODE NO. 1. NOTE # 1-, 2+. |
| 6360 | 12.6 | EV-1672-0 | 8.0 | --- | P4 | D | 2100 | TETRODE NO. 2. NOTE # 3-, 2+. |
| 6374 | 6.3 | EV-0003-0 | 0.0 | 88 | P3 | G | ---- | CAP = P. NOTE 3. |
| 6375 | 1.1 | EV-1800-0 | 4.5 | --- | P4 | D | 2150 | NOTE 6. |
| 6516 | 6.3 | ET-1572-0 | 5.3 | --- | P4 | D | 1650 | |
| 6686 | 6.3 | EV-2783-9 | 1.0 | --- | P4 | C | 4600 | |
| 6687 | 6.3 | ET-1562-7 | 1.0 | --- | P4 | D | 630 | GRID NO. 1. PLATE VOLTS = LOW. |
| 6687 | 6.3 | ET-7562-1 | 1.8 | --- | P4 | D | 630 | GRID NO. 3. PLATE VOLTS = LOW. |
| 6688 | 6.3 | EV-2791-8 | 0.4 | --- | P4 | C | 7000 | |
| 6689 | 6.3 | EV-2613-9 | 2.1 | --- | P4 | C | 4200 | |
| 6761 | 6.3 | EV-2173-0 | 8.0 | --- | P4 | C | 5000 | |
| 6907 | 12.6 | HR-2034-0 | 5.0 | --- | P4 | E | 1550 | TETRODE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP. |
| 6907 | 12.6 | HR-6034-0 | 5.0 | --- | P4 | E | 1550 | TETRODE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP. |
| 6922 | 6.3 | EV-7608-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 1. |
| 6922 | 6.3 | EV-2103-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 2. |
| 6927 | 6.3 | ET-5207-0 | 1.8 | --- | P4 | C | 3340 | TRIODE NO. 1. |
| 6927 | 6.3 | ET-6107-0 | 1.8 | --- | P4 | C | 3340 | TRIODE NO. 2. |
| 6939 | 12.6 | EV-3872-0 | 3.5 | --- | P4 | D | 3150 | TETRODE NO. 1. NOTE # 1-, 2+. |
| 6939 | 12.6 | EV-1672-0 | 3.5 | --- | P4 | D | 3150 | TETRODE NO. 2. NOTE # 3-, 2+. |
| 7062 | 12.6 | EV-7608-1 | 1.8 | --- | P4 | C | 4100 | TRIODE NO. 1. BIAS CUTOFF-6V. |
| 7062 | 12.6 | EV-2103-6 | 1.8 | --- | P4 | C | 4100 | TRIODE NO. 2. BIAS CUTOFF - 6V. |

| TUBE TYPE | FIL. | SELECT.JKS | BIAS VOLTS | SHUNT | PRESS. | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|------------|------------|-------|--------|-------|-----------------|--|
| 7308 | 6.3 | FV-7608-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 1. |
| 7308 | 6.3 | EV-2103-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 2. |
| 7320 | 6.3 | FV-2793-0 | 1.0 | --- | P4 | C | 5650 | TUBES INDICATING GAS# RETEST USING FV-1743-0. |
| 7534 | 6.3 | HS-5048-0 | 15.0 | --- | P4 | C | 4000 | CAP = P. |
| 7643 | 6.3 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENIODE SECTION. |
| 7643 | 6.3 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION. |
| 7645 | 12.6 | EV-3872-0 | 3.5 | --- | P4 | D | 3150 | TETRODE NO. 1. NOTE # 1-, 2+. |
| 7645 | 12.6 | FV-1672-0 | 3.5 | --- | P4 | D | 3150 | TETRODE NO. 2. NOTE # 3-, 2+. |
| 7693 | 6.3 | ET-1562-7 | 0.8 | --- | P4 | C | 2150 | |
| 7694 | 6.3 | ET-1562-7 | 0.8 | --- | P4 | C | 2400 | |
| 7699 | 12.6 | EV-3872-0 | 3.5 | --- | P4 | D | 3150 | TETRODE NO. 1. NOTE # 1-, 2+. |
| 7699 | 12.6 | EV-1672-0 | 3.5 | --- | P4 | D | 3150 | TETRODE NO. 2. NOTE # 3-, 2+. |
| 7721 | 6.3 | EV-2791-8 | 1.0 | --- | P4 | B | 6300 | |
| 7737 | 6.3 | EV-2791-8 | 0.4 | --- | P4 | C | 7000 | |
| 7751 | 6.3 | HS-5348-0 | 25.0 | --- | P4 | C | 3800 | |
| 7788 | 6.3 | EV-2793-8 | 2.6 | --- | P4 | D | 1500 | |
| 7854 | 12.6 | HR-6034-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 2-, 4+, 6. CONNECT PLATE JACK TO RIGHT CAP. |
| 7854 | 12.6 | HR-2034-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 6-, 4+, 6. CONNECT PLATE JACK TO LEFT CAP. |
| 8233 | 6.3 | EV-8129-0 | 0.0 | --- | P4 | C | 5700 | USE HICKOK ADAPTER SA-8, 1050-168. PLACE 1.K OHM RESISTOR SHUNTED WITH A 100 MFD CAPACITOR ACROSS THE SELF BIAS JACKS. |
| 8255 | 6.3 | EV-9802-0 | 1.3 | --- | P4 | C | 7500 | |
| 8278 | 6.3 | EV-3986-0 | 5.8 | --- | P4 | C | 7300 | USE HICKOK ADAPTER SA-8, 1050-168. |
| 8348 | 1.4 | EV-1670-3 | 1.0 | --- | P4 | D | 2200 | TETRODE NO. 1. |
| 8348 | 1.4 | EV-3870-1 | 1.0 | --- | P4 | D | 2200 | TETRODE NO. 2. |
| 8416 | 12.6 | EV-7608-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 1. |
| 8416 | 12.6 | EV-2103-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 2. |
| 8457 | 12.6 | FV-3872-0 | 8.0 | --- | P4 | D | 2100 | TETRODE NO. 1 NOTE #1-,2+ |
| 8457 | 12.6 | EV-1672-0 | 8.0 | --- | P4 | D | 2100 | TETRODE NO. 2 NOTE #3-,2+. |
| 8458 | 12.6 | EV-3872-0 | 8.0 | --- | P4 | D | 2100 | TETRODE NO. 1. NOTE #1-,2+. |
| 8458 | 12.6 | EV-1672-0 | 8.0 | --- | P4 | D | 2100 | TETRODE NO.2. NOTE #3-,2+. USE ADAPTER SA-4, 1050-144 OR CA-4, 1050-135. NOTE 7. 539C.. NOADAPTER REQ |
| 8509 | 2.0 | RU-6030-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO.1. USE ADAPTER SA-6, 1050-107. NOTE #2-,4+.CONNECT PLATE JACK CONNECTOR TO RIGHT CAP. |
| 8509 | 2.0 | RU-2030-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 2. NOTE #6-,4+.CONNECT THE PLATE JACK CONNECTOR TO LEFT CAP. |
| 8556 | 6.3 | EV-1802-0 | 0.0 | --- | P4 | C | 6300 | USE RK = 470HM. SHUNT WITH 1000 MFD CAP. |
| 8562 | 6.3 | EV-9802-0 | 1.3 | --- | P4 | C | 7500 | |
| 8595 | 12.6 | EV-3872-0 | 3.5 | --- | P4 | D | 3150 | TETRODE NO. 1 NOTE #1-,2+. |
| 8595 | 12.6 | EV-1672-0 | 3.5 | --- | P4 | D | 3150 | TETRODE NO. 2 NOTE #3-,2+. |
| 8608 | 6.3 | EV-8039-2 | 1.3 | --- | P4 | B | 12600 | CAP=P. USE HICKOK ADAPTER SA-8, 1050-168 |
| 8637 | 12.6 | FZ-1672-0 | 8.0 | --- | P4 | C | 3100 | TETRODE NO. 1. (SEE BELOW) |
| 8637 | 12.6 | FZ-3872-0 | 8.0 | --- | P4 | C | 3100 | TETRODE NO. 2. (SEE BELOW) |
| 8737 | 12.6 | HR-6034-0 | 5.6 | --- | P4 | D | 2400 | USE HICKOK ADAPTER SA-8, 1050-168. PLATE NO. 1. USE ADAPTER SA-6, 1050-107. NOTE #2-,4+. |
| 8737 | 12.6 | HR-2034-0 | 5.6 | --- | P4 | D | 2400 | CONNECT PLATE JACK TO RIGHT CAP. PLATE NO. 2. USE ADAPTER SA-6, 1050-107. NOTE #6-4+. |
| 18042 | 20.0 | EV-2613-9 | 1.6 | --- | P4 | C | 5650 | CONNECT PLATE JACK TO LEFT CAP. |
| 18043 | 6.3 | EV-2613-9 | 2.1 | --- | P4 | C | 4200 | |
| 18045 | 20.0 | EV-2783-9 | 0.4 | --- | P4 | C | 5250 | |
| 18046 | 20.0 | EV-2783-9 | 0.4 | --- | P4 | C | 5250 | |
| 18048 | 20.0 | JR-6247-3 | 3.2 | --- | P4 | D | 2800 | |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|--|
| A2900 | 12.6 | EV-7608-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| A2900 | 12.6 | EV-2103-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| AX9903 | 12.6 | HR-6034-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 2-, 4-, & CONNECT PLATE JACK TO RIGHT CAP. |
| AX9903 | 12.6 | HR-2034-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP. |
| AX9910 | 12.6 | HR-2034-0 | 5.0 | --- | P4 | F | 1550 | TETRODE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP. |
| AX9910 | 12.6 | HR-6034-0 | 5.0 | --- | P4 | F | 1550 | TETRODE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE # 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP. |
| AZ41 | 4.3 | HY-0600-0 | 0.0 | 56 | P3 | G | ---- | PLATE NO. 1. (SEE BELOW) NOTE 3. |
| AZ41 | 4.3 | JX-0700-0 | 0.0 | 51 | P3 | G | ---- | PLATE NO. 2. (SEE BELOW) NOTE 3. USE HICKOK ADAPTER SA-5, 1050-129. |
| B36 | 12.6 | HY-4506-2 | 3.7 | --- | P4 | D | 1640 | TRIODE NO. 1. |
| B36 | 12.6 | HY-1203-5 | 3.7 | --- | P4 | D | 1640 | TRIODE NO. 2. |
| B65 | 6.3 | HY-1203-5 | 0.4 | --- | P4 | D | 1640 | TRIODE NO. 1. |
| B65 | 6.3 | HY-4506-2 | 3.7 | --- | P4 | D | 1640 | TRIODE NO. 2. |
| B109 | 25.0 | EV-7608-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| B109 | 25.0 | EV-2103-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| B152 | 12.6 | EV-7608-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| B152 | 12.6 | EV-2103-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| B309 | 12.6 | EV-7608-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| B309 | 12.6 | EV-2103-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| B319 | 7.5 | EV-2301-0 | 3.8 | --- | P4 | C | 3750 | TRIODE NO. 1. |
| B319 | 7.5 | EV-6907-0 | 3.8 | --- | P4 | C | 3750 | TRIODE NO. 2. |
| B329 | 12.6 | EV-7608-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 1. |
| B329 | 12.6 | EV-2103-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 2. |
| B339 | 12.6 | EV-7608-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 1. |
| B339 | 12.6 | EV-2103-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 2. |
| B719 | 6.3 | EV-7608-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| B719 | 6.3 | EV-2103-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| BPM04 | 6.3 | ET-1562-0 | 2.1 | --- | P4 | D | 2600 | |
| C3G | 6.3 | JR-6345-2 | 1.0 | --- | P4 | C | 5750 | |
| C3M | 20.0 | JR-6247-3 | 3.2 | --- | P4 | D | 2800 | |
| CCA | 6.3 | EV-7608-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 1. |
| CCA | 6.3 | EV-2103-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 2. |
| D3A | 6.3 | EV-2791-8 | 1.0 | --- | P4 | B | 6300 | |
| D63 | 6.3 | HS-0508-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| D63 | 6.3 | HS-0304-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| D77 | 6.3 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| D77 | 6.3 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| D152 | 6.3 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| D152 | 6.3 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| DA90 | 1.4 | HR-0203-0 | 0.0 | --- | P1 | D | ---- | DIODE, NOTE 3. |
| DAF91 | 1.4 | BX-6540-0 | 1.0 | --- | P4 | E | 390 | PENTODE SECTION. PLATE VOLTS = LOW NOTE 6. |
| DAF91 | 1.4 | BX-0340-0 | 0.0 | --- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| DAF92 | 1.4 | BX-6230-0 | 1.0 | --- | P4 | E | 390 | PENTODE SECTION. PLATE VOLTS=LOW. NOTE 6. |
| DAF92 | 1.4 | BX-6430-0 | 0.0 | --- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| DC70 | 1.1 | EV-1800-0 | 4.5 | --- | P4 | D | 2150 | NOTE 6. |
| DC90 | 1.4 | BX-5200-0 | 8.4 | --- | -- | D | 700 | HOLD DOWN P1 AND PRESS P4. NOTE 6. |
| DCC90 | 3.0 | BX-5600-0 | 7.2 | --- | P4 | E | 1260 | TRIODE NO. 1. NOTE 6. |
| DCC90 | 3.0 | HR-3200-0 | 7.2 | --- | P4 | E | 1260 | TRIODE NO. 2. NOTE 6. |
| DCF60 | 1.1 | EX-3120-5 | 0.5 | --- | P4 | F | 315 | PENTODE SECTION. NOTE 6. |
| DCF60 | 1.1 | EX-5600-3 | 4.0 | --- | P4 | F | 190 | TRIODE SECTION. NOTE 6. |
| DD6 | 6.3 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| DD6 | 6.3 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| DOR7 | 6.3 | ET-1572-0 | 5.3 | --- | P4 | D | 1650 | |
| DF33 | 1.4 | HS-0340-0 | 1.1 | --- | P4 | E | 480 | CAP = G. NOTE 6. |
| DF60 | 1.1 | DV-4120-0 | 0.0 | --- | P4 | D | 690 | PLATE VOLTS=LOW. NOTE 6. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS. | RANGE | MIN. MUT. COND. | MUTATIONS |
|-----------|------|-----------|------------|-------|--------|-------|-----------------|---|
| DF61 | 1.4 | DV-0704-1 | 0.0 | --- | P1 | D | ---- | OK ABOVE 700 OHM 600V SCALE. MAKE NO GAS TEST. NOTES 3 & 6. |
| DF62 | 1.1 | DV-4120-0 | 1.0 | --- | P4 | D | 1000 | PLATE VOLTS = LOW. NOTE 6. |
| DF67 | 0.6 | DV-4120-0 | 5.7 | --- | P4 | F | 65 | NOTE 6. |
| DF91 | 1.4 | BX-6230-0 | 0.0 | --- | P4 | F | 440 | PLATE VOLTS = LOW. NOTE 6. |
| DF92 | 1.4 | HR-6230-0 | 7.8 | --- | P4 | E | 650 | NOTE 6. |
| DF96 | 1.4 | HR-6230-0 | 4.4 | --- | P4 | F | 300 | |
| DF904 | 1.4 | BX-6230-0 | 1.7 | --- | P4 | F | 570 | NOTE 6. |
| DH63 | 6.3 | HS-0308-1 | 2.3 | --- | P4 | F | 500 | TRIODE SECTION. CAP = G. |
| DH63 | 6.3 | HS-0508-3 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| DH63 | 6.3 | HS-0408-3 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| DH77 | 6.3 | ET-1702-0 | 1.5 | --- | P4 | E | 420 | TRIODE SECTION. |
| DH77 | 6.3 | ET-1602-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| DH77 | 6.3 | ET-1520-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| DK91 | 1.4 | BX-6234-0 | 2.0 | --- | P4 | E | 380 | GRID NO. 3. NOTE 6. |
| DK91 | 1.4 | BX-4306-2 | 2.0 | --- | P4 | E | 380 | PLATE VOLTS = LOW. |
| DK91 | 1.4 | BX-4306-2 | 2.0 | --- | P4 | E | 380 | OSC. SECTION. PLATE VOLTS = LOW. |
| DK32 | 1.4 | HS-5340-0 | 0.0 | --- | -- | F | 575 | NOTE 6. |
| DK32 | 1.4 | HS-5340-0 | 0.0 | --- | -- | F | 575 | PENTODE SECTION. CAP=G. |
| DK32 | 1.4 | HS-5340-0 | 0.0 | --- | -- | F | 575 | HOLD DOWN P1 AND PRESS P4. NOTE 6 |
| DK32 | 1.4 | HS-5634-0 | 5.5 | --- | P4 | F | 250 | OSC. SECTION |
| DL33 | 2.5 | HS-5340-0 | 8.3 | --- | P4 | E | 1130 | NOTE 6. |
| DL35 | 1.4 | HS-5340-0 | 10.6 | --- | P4 | F | 1000 | NOTE 6. |
| DL36 | 1.4 | HS-5340-0 | 7.5 | --- | P4 | C | 1320 | NOTE 6. |
| DL63 | 6.3 | HS-0308-0 | 2.4 | --- | P4 | E | 1260 | TRIODE SECTION CAP = G. |
| DL63 | 6.3 | HS-0508-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| DL63 | 6.3 | HS-0408-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| DL66 | 1.1 | DV-4120-0 | 0.0 | --- | -- | D | ---- | NOTES 3&6. HOLD DOWN P1, PRESS P5. |
| DL67 | 1.1 | DV-4120-0 | 4.4 | --- | P4 | F | 260 | NOTE 6. |
| DL91 | 1.4 | BX-3240-0 | 4.5 | --- | P4 | E | 950 | PLATE VOLTS = LOW. NOTE 6. |
| DL92 | 2.5 | HR-3240-0 | 5.0 | --- | P4 | E | 950 | PLATE VOLTS = LOW. NOTE 6. |
| DL93 | 2.5 | BX-4230-0 | 1.0 | --- | -- | D | 1260 | HOLD DOWN P1 AND PRESS 4. NOTE 6. |
| DL94 | 3.0 | HR-6230-0 | 6.0 | --- | P4 | E | 1260 | NOTE 6. |
| DL95 | 3.0 | HR-3240-0 | 4.0 | --- | P4 | E | 1350 | NOTE 6. |
| DL96 | 2.5 | BX-6230-0 | 4.0 | --- | P4 | E | 850 | PLATE VOLTS = LOW. NOTE 6. |
| DL98 | 2.5 | EV-3710-0 | 15.0 | --- | P4 | E | 1070 | NOTE 6. |
| DM70 | 1.4 | EV-1800-0 | VARY | --- | P5 | C | ---- | ADJUST BIAS TO VARY BAR LENGTH. |
| DM71 | 1.4 | EV-1800-0 | VARY | --- | P5 | C | ---- | DO NOT ADJUST BELOW 4.0 VOLTS. |
| DM71 | 1.4 | EV-1800-0 | VARY | --- | P5 | C | ---- | ADJUST BIAS TO VARY BAR LENGTH. |
| DM71 | 1.4 | EV-1800-0 | VARY | --- | P5 | C | ---- | DO NOT ADJUST BELOW 4.0 VOLTS. |
| DP61 | 6.3 | ET-1562-0 | 1.8 | --- | P4 | C | 3150 | |
| DX263 | 2.0 | BU-6030-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 1 USE HICKOK ADAPTER SA-6, 1050-107. NOTE R#2-,4+. |
| DX263 | 2.0 | BU-6030-0 | 5.6 | --- | P4 | D | 2400 | CONNECT PLATE JACK TO RIGHT CAP |
| DX263 | 2.0 | BU-2030-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 2 NOTE R#6-,4+. |
| DX296 | 12.6 | FZ-1672-0 | 8.0 | --- | P4 | C | 3100 | CONNECT PLATE JACK TO LEFT CAP. |
| DX296 | 12.6 | FZ-1672-0 | 8.0 | --- | P4 | C | 3100 | TETRODE NO. 1. (SEE BELOW) |
| DX296 | 12.6 | FZ-1672-0 | 8.0 | --- | P4 | C | 3100 | NOTE R# 3-, 2+. |
| DX296 | 12.6 | FZ-3872-0 | 8.0 | --- | P4 | C | 3100 | TETRODE NO. 2. (SEE BELOW) |
| DX296 | 12.6 | FZ-3872-0 | 8.0 | --- | P4 | C | 3100 | NOTE R# 1-, 2+. USE ADAPTER SA-8, 1050-168. |
| DY30 | 1.1 | HS-0000-0 | 0.0 | 12 | P5 | G | ---- | CAP = P. NOTES 3 & 6. |
| DY51 | 1.4 | CX-0000-0 | 0.0 | 27 | P5 | G | ---- | CONNECT FIL. LEADS TO OCTAL SOCKET |
| DY51 | 1.4 | CX-0000-0 | 0.0 | 27 | P5 | G | ---- | PINS 2 & 7. NOTES 3 & 6. SINGLE LEAD = P. |
| DY80 | 1.1 | BS-0000-0 | 0.0 | 12 | P5 | G | ---- | CAP = P. NOTES 3 & 6. |
| DY86 | 1.4 | ES-0000-0 | 0.0 | 14 | P5 | G | ---- | CAP = P. NOTE 3. |
| DY87 | 1.4 | ES-0000-0 | 0.0 | 14 | P5 | G | ---- | CAP = P. NOTE 3. |
| DY802 | 1.4 | BS-0000-0 | 0 | 15 | P5 | G | ---- | CAP=P. NOTES 3 & 6. |
| E55L | 6.3 | EV-8139-0 | 0.0 | --- | P4 | C | 5700 | USE HICKOK ADAPTER SA-8, 1050-168. |
| E55L | 6.3 | EV-8139-0 | 0.0 | --- | P4 | C | 5700 | PLACE 1.K OHM RESISTOR SHUNTED WITH A 100 MFD CAPACITOR ACROSS THE SELF BIAS JACKS. |
| E80CC | 12.6 | EV-7608-0 | 2.3 | --- | P4 | D | 1700 | TRIODE NO. 1. |
| E80CC | 12.6 | FV-2103-0 | 2.3 | --- | P4 | D | 1700 | TRIODE NO. 2. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|---|
| E80CF | 6.3 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION. |
| E80CF | 6.3 | FV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION. |
| E80F | 6.3 | EV-9613-8 | 2.8 | --- | P4 | D | 1160 | |
| E80L | 6.3 | EV-2783-9 | 2.2 | --- | P4 | C | 4200 | |
| E81CC | 12.6 | FV-7608-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| E81CC | 12.6 | EV-2103-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| E81L | 6.3 | EV-2783-9 | 1.0 | --- | P4 | C | 4600 | |
| E82CC | 12.6 | FV-7608-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 1. |
| E82CC | 12.6 | EV-2103-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 2. |
| E83CC | 12.6 | EV-7608-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 1. |
| E83CC | 12.6 | EV-2103-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 2. |
| E83F | 6.3 | EV-2613-9 | 2.1 | --- | P4 | C | 4200 | |
| E84L | 6.3 | FV-2793-0 | 1.0 | --- | P4 | C | 5650 | FOR TUBES INDICATING GAS, RETEST USING FV-1793-0. |
| E86C | 6.3 | EV-2103-0 | 1.2 | --- | P4 | B | 8800 | |
| E88C | 6.3 | EV-9802-0 | 1.3 | --- | P4 | C | 7500 | |
| E88CC | 6.3 | FV-7608-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 1. |
| E88CC | 6.3 | EV-2103-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 2. |
| E90CC | 6.3 | ET-5207-0 | 4.8 | --- | P4 | D | 3150 | TRIODE NO. 1. |
| E90CC | 6.3 | ET-6107-0 | 4.8 | --- | P4 | D | 3150 | TRIODE NO. 2. |
| E90F | 6.3 | ET-1562-7 | 0.8 | --- | P4 | C | 2150 | |
| E91AA | 6.3 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| E91AA | 6.3 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| E91H | 6.3 | ET-1562-7 | 1.0 | --- | P4 | D | 630 | GRID NO. 1. PLATE VOLTS = LOW. |
| E91H | 6.3 | ET-7562-1 | 1.8 | --- | P4 | D | 630 | GRID NO. 3. PLATE VOLTS = LOW. |
| E91N | 6.3 | ET-1602-5 | --- | 89 | P5 | G | ---- | STRIKES AT ABOUT 1.8V. NOTES 3&2. |
| E92CC | 6.3 | ET-6107-0 | 1.6 | --- | P4 | C | 3750 | TRIODE NO. 1. |
| E92CC | 6.3 | ET-5207-0 | 1.6 | --- | P4 | C | 3750 | TRIODE NO. 2. |
| E95F | 6.3 | ET-1562-0 | 1.8 | --- | P4 | C | 3150 | |
| E99F | 6.3 | ET-1562-7 | 0.8 | --- | P4 | C | 2400 | |
| E130L | 6.3 | HS-5048-0 | 15.0 | --- | P4 | C | 4000 | CAP = P. |
| E180CC | 12.6 | EV-7608-1 | 1.8 | --- | P4 | C | 4100 | TRIODE NO. 1. |
| E180CC | 12.6 | EV-2103-6 | 1.8 | --- | P4 | C | 4100 | BIAS CUTOFF VOLTS = 6V. |
| E180CC | 12.6 | EV-2103-6 | 1.8 | --- | P4 | C | 4100 | TRIODE NO. 2. |
| E180F | 6.3 | EV-2791-8 | 0.4 | --- | P4 | C | 7000 | BIAS CUTOFF VOLTS = 6V. |
| E182CC | 12.6 | EV-7608-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 1. |
| E182CC | 12.6 | EV-2103-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 2. |
| E182F | 6.3 | DZ-1684-0 | 1.7 | --- | P4 | B | 7900 | |
| E186F | 6.3 | EV-2791-8 | 0.4 | --- | P4 | C | 7000 | |
| E188CC | 6.3 | EV-7608-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 1. |
| E188CC | 6.3 | EV-2103-0 | 2.6 | --- | P4 | C | 7000 | TRIODE NO. 2. |
| E235L | 6.3 | HS-5348-0 | 25.0 | --- | P4 | C | 3800 | |
| E283CC | 6.3 | EV-9801-7 | 2.4 | --- | P4 | E | 315 | TRIODE NO. 1. |
| E283CC | 6.3 | EV-2306-7 | 2.4 | --- | P4 | E | 315 | TRIODE NO. 2. |
| E810F | 6.3 | EV-2793-8 | 2.6 | --- | P4 | D | 1500 | |
| E2134 | 6.3 | ET-1592-0 | 3.0 | --- | P4 | C | 4250 | |
| EA76 | 6.3 | BU-0203-0 | 0.0 | 10 | P1 | G | ---- | NOTE 3. |
| AAA91 | 6.3 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| AAA91 | 6.3 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| AAA901 | 6.3 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| AAA901 | 6.3 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| AAA901S | 6.3 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| AAA901S | 6.3 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| EABC80 | 6.3 | EV-8907-0 | 1.3 | --- | P4 | E | 750 | TRIODE SECTION. |
| EABC80 | 6.3 | EV-0607-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| EABC80 | 6.3 | EV-0203-0 | 0.0 | --- | P1 | F | ---- | DIODE NO. 2. NOTE 3. |
| EABC80 | 6.3 | EV-0107-0 | 0.0 | --- | P1 | E | ---- | DIODE NO. 3. NOTE 3. |
| EAF42 | 6.3 | JR-6257-4 | 4.4 | --- | P4 | E | 750 | PENTODE SECTION. |
| EAF42 | 6.3 | JR-0307-0 | 0.0 | --- | P1 | C | ---- | DIODE SECTION. USE HICKOK ADAPTER SA-5 CODE NO. 1050-129. NOTE 3. |
| EAM86 | 6.3 | EV-8769-3 | 19.0 | --- | P4 | A | ---- | SOLID BAR (SEE BELOW) |
| EAM86 | 6.3 | EV-8769-3 | 6.0 | --- | P4 | A | ---- | SPLIT BAR (ALSO ABOVE) PLATE VOLTS = LOW. SHORT ON POSITION 'E'. |
| | | | | | | | | SEE NEXT PAGE FOR CONTINUATION |

| TUBE TYPE | FIL. | SFLECTGRS | BIAS VOLTS | SHUNT | PRFSS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|---------------|-------|-------|-------|--------------------|---|
| EAM86 | 6.3 | EV-0703-0 | 0.0 | --- | P1 | D | ---- | DIODE. |
| EB41 | 6.3 | JR-0607-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. (SEE BELOW) NOTE 3. |
| EB41 | 6.3 | JR-0403-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. (SEE BELOW) NOTE 3. |
| EB91 | 6.3 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | USE HICKOK ADAPTER SA-5, 1050-129. DIODE NO. 1. NOTE 3. |
| EB91 | 6.3 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| EBC33 | 6.3 | HS-0308-0 | 2.4 | --- | P4 | F | 1260 | TRIODE SECTION. CAP = G. |
| EBC33 | 6.3 | HS-0508-0 | 2.4 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| EBC33 | 6.3 | HS-0408-0 | 2.4 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| EBC41 | 6.3 | JR-3207-0 | 1.3 | --- | P4 | F | 790 | TRIODE SECTION. |
| EBC41 | 6.3 | JR-0607-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| EBC41 | 6.3 | JR-0507-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| EBC81 | 6.3 | EV-2103-0 | 1.3 | --- | P4 | E | 790 | USE HICKOK ADAPTER SA-5, 1050-129. TRIODE SECTION. |
| EBC81 | 6.3 | EV-0603-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| EBC81 | 6.3 | EV-0803-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| EBC90 | 6.3 | ET-1702-0 | 1.5 | --- | P4 | E | 820 | TRIODE SECTION. |
| EBC90 | 6.3 | ET-1602-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| EBC90 | 6.3 | ET-1502-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| EBC91 | 6.3 | ET-1702-5 | 1.3 | --- | P4 | E | 800 | TRIODE SECTION. |
| EBC91 | 6.3 | ET-1602-5 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| EBC91 | 6.3 | ET-1502-7 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| EBF32 | 6.3 | HS-0368-1 | 4.0 | --- | P4 | E | 720 | PENTODE SECTION. CAP = G. |
| EBF32 | 6.3 | HS-0568-1 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| EBF32 | 6.3 | HS-0468-1 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| EBF80 | 6.3 | EV-2613-9 | 0.9 | --- | P4 | E | 1400 | PENTODE SECTION. |
| EBF80 | 6.3 | EV-2713-9 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| EBF80 | 6.3 | EV-2813-9 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| EBF83 | 6.3 | EV-2163-9 | 0.0 | --- | P1 | D | ---- | PENTODE SECTION. NOTE 3. |
| EBF83 | 6.3 | EV-0803-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| EBF83 | 6.3 | EV-0703-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| EBF89 | 6.3 | EV-2613-9 | 2.6 | --- | P4 | C | 1800 | PENTODE SECTION. |
| EBF89 | 6.3 | EV-0803-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| EBF89 | 6.3 | EV-0703-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| EC71 | 6.3 | DW-1805-7 | 0.6 | --- | P4 | C | 3450 | PLATE VOLTS = LOW. |
| EC80 | 6.3 | EV-1903-0 | 0.5 | --- | P4 | B | 7600 | |
| EC81 | 6.3 | EV-1803-0 | 5.0 | --- | P4 | D | 2500 | |
| EC84 | 6.3 | JX-1502-0 | 2.2 | --- | P4 | C | 6300 | |
| EC86 | 6.3 | FV-2103-0 | 1.2 | --- | P4 | B | 8800 | |
| EC88 | 6.3 | EV-9802-0 | 1.3 | --- | P4 | C | 7500 | |
| EC90 | 6.3 | ET-6107-0 | 4.8 | --- | P4 | E | 1380 | |
| EC91 | 6.3 | ET-1705-0 | 0.8 | --- | P4 | C | 5300 | |
| EC92 | 6.3 | ET-6107-0 | 1.6 | --- | P4 | D | 2500 | |
| EC94 | 6.3 | ET-2105-0 | 1.4 | --- | P4 | C | 4200 | PLATE VOLTS = LOW. |
| EC95 | 6.3 | ET-2567-0 | 0.8 | --- | P4 | C | 4500 | |
| EC97 | 6.3 | ET-2501-6 | 1.4 | --- | P4 | C | 7000 | |
| EC806S | 6.3 | EV-2103-0 | 1.2 | --- | P4 | B | 8800 | |
| EC900 | 6.3 | ET-1502-6 | 1.2 | --- | P4 | C | 8000 | |
| EC8010 | 6.3 | EV-1802-0 | 0.0 | --- | P4 | C | 6300 | USE RK = 47 OHM SHUNT WITH 1000MFD CAP. |
| ECC33 | 6.3 | HY-4506-2 | 3.7 | --- | P4 | D | 1640 | TRIODE NO. 1. |
| ECC33 | 6.3 | HY-1203-5 | 3.7 | --- | P4 | D | 1640 | TRIODE NO. 2. |
| ECC35 | 6.3 | HY-4506-2 | 0.4 | --- | P4 | D | 1000 | TRIODE NO. 1. |
| ECC35 | 6.3 | HY-1203-5 | 0.4 | --- | P4 | D | 1000 | TRIODE NO. 2. |
| ECC40 | 6.3 | JR-6507-0 | 2.6 | --- | P4 | D | 1825 | TRIODE NO. 1. |
| ECC40 | 6.3 | JR-3204-0 | 2.6 | --- | P4 | D | 1825 | TRIODE NO. 2. USE HICKOK ADAPTER SA-5 CODE NO. 1050-129. |
| ECC81 | 12.6 | EV-7608-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| ECC81 | 12.6 | EV-2103-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| ECC82 | 12.6 | EV-7608-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 1. |
| ECC82 | 12.6 | EV-2103-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 2. |
| ECC83 | 12.6 | EV-7608-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 1. |
| ECC83 | 12.6 | EV-2103-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 2. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|--|
| ECC84 | 6.3 | EV-6907-0 | 3.8 | --- | P4 | C | 3750 | TRIODE NO. 1. |
| ECC84 | 6.3 | EV-2301-0 | 3.8 | --- | P4 | C | 3750 | TRIODE NO. 2. |
| ECC85 | 6.3 | EV-7608-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| FCC85 | 6.3 | EV-2103-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| ECC86 | 6.3 | EV-7608-0 | 1.8 | --- | P1 | E | ---- | TRIODE NO. 1. (SEE BELOW) NOTE 3. |
| ECC86 | 6.3 | EV-2103-0 | 1.8 | --- | P1 | E | ---- | TRIODE NO. 2. (SEE BELOW) NOTE 3. NO GAS TEST. OK ABOVE DIODES OK. |
| ECC88 | 6.3 | EV-7608-0 | 3.0 | --- | P4 | C | 7750 | TRIODE NO. 1. |
| ECC88 | 6.3 | FV-2103-0 | 3.0 | --- | P4 | C | 7750 | TRIODE NO. 2. |
| ECC89 | 6.3 | FV-6908-0 | 2.4 | --- | P4 | C | 6000 | TRIODE NO. 1. |
| ECC89 | 6.3 | EV-2301-0 | 2.4 | --- | P4 | C | 6000 | TRIODE NO. 2. |
| ECC91 | 6.3 | ET-5207-0 | 1.8 | --- | P4 | C | 3340 | TRIODE NO. 1. |
| ECC91 | 6.3 | ET-6107-0 | 1.8 | --- | P4 | C | 3340 | TRIODE NO. 2. |
| ECC180 | 6.3 | EV-7608-9 | 2.0 | --- | P4 | C | 4000 | TRIODE NO. 1. |
| ECC180 | 6.3 | EV-2103-9 | 2.0 | --- | P4 | C | 4000 | TRIODE NO. 2. |
| ECC186 | 12.6 | FV-7608-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 1. |
| FCC186 | 12.6 | EV-2103-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 2. |
| ECC189 | 6.3 | EV-7608-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 1. |
| ECC189 | 6.3 | EV-2103-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 2. |
| ECC230 | 6.3 | HY-0506-4 | 0.0 | 83 | P3 | G | ---- | TRIODE NO. 1. MAKE NO GAS TEST. NOTE 3. |
| FCC230 | 6.3 | HY-0203-1 | 0.0 | 83 | P3 | G | ---- | TRIODE NO. 2. MAKE NO GAS TEST. NOTE 3. |
| ECC801 | 12.6 | EV-7608-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| ECC801 | 12.6 | EV-2103-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| ECC801S | 12.6 | EV-7608-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| ECC801S | 12.6 | EV-2103-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| ECC802 | 12.6 | EV-7608-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 1. |
| ECC802 | 12.6 | EV-2103-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 2. |
| ECC802S | 12.6 | EV-7608-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 1. |
| ECC802S | 12.6 | EV-2103-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 2. |
| ECC803 | 12.6 | EV-7608-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 1. |
| ECC803 | 12.6 | EV-2103-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 2. |
| ECC803S | 12.6 | EV-7608-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 1. |
| ECC803S | 12.6 | EV-2103-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 2. |
| ECC960 | 6.3 | ET-5207-0 | 4.8 | --- | P4 | D | 3150 | TRIODE NO. 1. |
| ECC960 | 6.3 | ET-6107-0 | 4.8 | --- | P4 | D | 3150 | TRIODE NO. 2. |
| ECC962 | 6.3 | ET-6107-0 | 1.6 | --- | P4 | C | 3750 | TRIODE NO. 1. |
| ECC962 | 6.3 | ET-5207-0 | 1.6 | --- | P4 | C | 3750 | TRIODE NO. 2. |
| ECC2000 | 6.3 | FW-8709-1 | 2.8 | --- | P4 | B | 9500 | TRIODE NO. 1. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| ECC2000 | 6.3 | FW-3W02-1 | 2.8 | --- | P4 | B | 9500 | TRIODE NO. 2. |
| ECF80 | 6.3 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION. |
| ECF80 | 6.3 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION. |
| ECF82 | 6.3 | EV-2637-0 | 0.8 | --- | P4 | D | 2400 | PENTODE SECTION. |
| ECF82 | 6.3 | EV-9108-0 | 1.0 | --- | P4 | C | 5350 | TRIODE SECTION. |
| ECF83 | 6.3 | EV-9678-0 | 1.0 | --- | P4 | F | 900 | PENTODE SECT. PLATE VOLTS = LOW. |
| ECF83 | 6.3 | EV-2301-0 | 14.0 | --- | P4 | E | 1000 | TRIODE SECT. PLATE VOLTS = NORMAL. |
| ECF86 | 6.3 | EV-2893-0 | 0.8 | --- | P4 | C | 5000 | PENTODE SECTION. |
| ECF86 | 6.3 | EV-6703-0 | 8.0 | --- | P4 | C | 4000 | TRIODE SECTION. |
| ECF200 | 6.3 | FW-3782-4 | 1.5 | --- | P4 | C | 4700 | PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| ECF200 | 6.3 | FW-W901-0 | 1.2 | --- | P4 | D | 3000 | TRIODE SECTION. |
| ECF201 | 6.3 | FW-3782-4 | 1.5 | --- | P4 | C | 4400 | PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| ECF201 | 6.3 | FW-W901-0 | 4.5 | --- | P4 | C | 3150 | TRIODE SECTION. |
| ECF801 | 6.3 | EV-2671-0 | 1.0 | --- | P4 | C | 4900 | PENTODE SECTION. |
| ECF801 | 6.3 | EV-9803-0 | 4.2 | --- | P4 | C | 6100 | TRIODE SECTION. |
| ECF802 | 6.3 | EV-2637-0 | 1.6 | --- | P4 | D | 2400 | PENTODE SECTION. |
| ECF802 | 6.3 | EV-9108-0 | 1.1 | --- | P4 | D | 2200 | TRIODE SECTION. |
| ECF804 | 6.3 | EV-2637-0 | 1.4 | --- | P4 | C | 4700 | PENTODE SECTION. |

SEE NEXT PAGE FOR CONTINUATION

| TUBE TYPE | FIL. | SELECTORS | PLATE VOLTS | SCREEN | PRESS. | RANGE | MIN. MULT. COMB. | NOTATIONS |
|-----------|------|-----------|-------------|--------|--------|-------|------------------|--|
| ECF804 | 6.3 | FV-9102-0 | 1.4 | --- | P4 | C | 4700 | TRIODE SECTION. |
| ECF805 | 6.3 | FV-7378-0 | 1.0 | --- | P4 | C | 6600 | PENTODE SECTION. |
| ECF805 | 6.3 | FV-9138-0 | 6.0 | --- | P4 | D | 3000 | TRIODE SECTION. |
| ECH35 | 6.3 | HS-0348-5 | 1.0 | --- | P4 | F | 1000 | HEXODE SECTION. CAP = G. |
| ECH35 | 6.3 | HS-5508-4 | 1.2 | --- | P4 | D | 2000 | TRIODE SECTION. |
| ECH42 | 6.3 | JR-6257-4 | 3.3 | --- | P4 | F | 810 | HEPTODE SECTION (SEE BELOW) |
| ECH42 | 6.3 | JR-4307-6 | 4.7 | --- | P4 | F | 950 | TRIODE SECTION (SEE BELOW) |
| ECH81 | 6.3 | FV-2613-7 | 3.5 | --- | P4 | D | 950 | USE HICKOK ADAPTER SA-5, 1050-129. |
| ECH81 | 6.3 | FV-5403-2 | 1.5 | --- | P4 | D | 2300 | HEPTODE SECTION. |
| EC-83 | 6.3 | FV-7163-2 | 3.0 | --- | P1 | F | 500 | TRIODE SECTION. |
| EC-83 | 6.3 | FV-9803-0 | 0.8 | --- | P1 | F | 500 | HEPTODE SECTION. MAKE NO GAS TEST. |
| EC-83 | 6.3 | FV-2673-1 | 0.4 | --- | --- | F | 750 | TRIODE SECTION. MAKE NO GAS TEST. |
| ECH84 | 6.3 | FV-9803-0 | 0.2 | --- | P4 | D | 2025 | HEPTODE SECTION. HOLD DOWN P1 AND PRESS P4. |
| ECH200 | 6.3 | FW-4761-2 | 1.0 | --- | --- | F | 700 | TRIODE SECTION. PLATE VOLTS = LOW. |
| ECH200 | 6.3 | FW-8409-0 | 2.4 | --- | P4 | C | 3150 | HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 5398# USE SA-11 & CA-4. NOTE 7. |
| ECH200 | 6.3 | FW-8409-0 | 2.4 | --- | P4 | C | 3150 | TRIODE SECTION. |
| ECL80 | 6.3 | EV-9683-7 | 4.0 | --- | P4 | D | 2100 | PENTODE SECTION. |
| ECL80 | 6.3 | EV-2103-0 | 5.0 | --- | P4 | D | 850 | TRIODE SECTION. |
| ECL82 | 6.3 | FV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION. |
| ECL82 | 6.3 | FV-1908-0 | 0.6 | --- | P4 | E | 1350 | TRIODE SECTION. |
| ECL83 | 6.3 | FV-9587-0 | 4.0 | --- | P4 | D | 2650 | PENTODE SECTION. |
| ECL83 | 6.3 | FV-2103-0 | 4.0 | --- | P4 | F | 200 | TRIODE SECTION. |
| ECL84 | 6.3 | EV-8697-0 | 0.6 | --- | P4 | C | 6900 | PENTODE SECTION. |
| ECL84 | 6.3 | FV-1203-0 | 1.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| ECL85 | 6.3 | EV-9678-0 | 8.0 | --- | P4 | C | 4100 | PENTODE SECTION. |
| ECL85 | 6.3 | EV-2103-0 | 2.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| ECL86 | 6.3 | EV-8637-0 | 1.0 | --- | P4 | C | 5500 | PENTODE SECTION. |
| ECL86 | 6.3 | FV-1902-0 | 0.7 | --- | P4 | E | 550 | TRIODE SECTION. |
| ECLL800 | 6.3 | EV-2397-0 | 2.0 | --- | P4 | C | 3400 | PENTODE NO. 1. NOTE 8# 6-, 7+. |
| ECLL800 | 6.3 | EV-6897-0 | 2.0 | --- | P4 | C | 3400 | PENTODE NO. 2. NOTE 8# 2-, 7+. |
| ECLL800 | 6.2 | EV-2107-0 | 2.0 | --- | P4 | F | 80 | TRIODE SECTION. |
| ED500 | 6.3 | EV-0801-0 | 0.0 | --- | P1 | E | ---- | CAP = G. USE HICKOK ADAPTER SA-8 CODE NO. 1050-16#. NOTE 3. |
| EF22 | 6.3 | JR-6237-4 | 4.8 | --- | P4 | F | 1070 | |
| EF40 | 6.3 | JR-5267-4 | 1.0 | --- | P4 | E | 1000 | USE HICKOK ADAPTER SA-5, 1050-129. |
| EF41 | 6.3 | JR-6257-0 | 3.0 | --- | P4 | E | 950 | USE HICKOK ADAPTER SA-5, 1050-129. |
| EF42 | 6.3 | JR-6257-4 | 0.5 | --- | P4 | C | 4600 | USE HICKOK ADAPTER SA-5, 1050-129. |
| EF71 | 6.3 | DW-1574-0 | 1.6 | --- | P4 | D | 1900 | |
| EF80 | 6.3 | EV-2781-9 | 0.5 | --- | P4 | C | 4500 | |
| EF85 | 6.3 | EV-2781-9 | 2.0 | --- | P4 | D | 2500 | |
| EF86 | 6.3 | EV-9613-8 | 1.5 | --- | P4 | D | 1150 | |
| EF89 | 6.3 | FV-2783-9 | 2.2 | --- | P4 | D | 1900 | |
| EF91 | 6.3 | ET-1572-6 | 1.0 | --- | P4 | C | 3800 | |
| EF92 | 6.3 | ET-1572-6 | 0.7 | --- | P4 | D | 1400 | |
| EF93 | 6.3 | ET-1567-2 | 1.0 | --- | P4 | D | 2070 | |
| EF94 | 6.3 | ET-1567-2 | 1.0 | --- | P4 | C | 2500 | |
| EF95 | 6.3 | ET-1562-0 | 1.8 | --- | P4 | C | 3150 | |
| EF96 | 6.3 | ET-1562-0 | 1.7 | --- | P4 | D | 2500 | |
| EF97 | 6.3 | ET-7652-1 | 0.0 | --- | P1 | E | ---- | MAKE NO GAS TEST. NOTE 3. |
| EF98 | 6.3 | ET-1652-7 | 0.0 | --- | P1 | G | ---- | (SEE ABOVE 450 ON 3000 SCALE.) |
| EF183 | 6.3 | FV-2781-9 | 2.8 | --- | P4 | C | 3200 | |
| EF184 | 6.3 | EV-2781-9 | 1.2 | --- | P4 | C | 4900 | |
| EF731 | 6.3 | DW-1574-0 | 1.6 | --- | P4 | D | 1900 | |
| EF732 | 6.3 | DW-1574-0 | 2.0 | --- | P4 | C | 2500 | |
| EF800 | 6.3 | EV-2781-9 | 0.5 | --- | P4 | C | 4500 | |
| EF804 | 6.3 | EV-9783-1 | 1.5 | --- | P4 | D | 1260 | |
| EF805S | 6.3 | EV-2781-9 | 2.0 | --- | P4 | D | 2500 | |
| EF806S | 6.3 | EV-9613-8 | 1.5 | --- | P4 | D | 1150 | |
| EF861 | 6.3 | EV-2791-8 | 0.4 | --- | P4 | C | 7000 | |
| EF905 | 6.3 | ET-1562-0 | 1.8 | --- | P4 | C | 3150 | |
| EFL200 | 6.3 | FW-8W97-0 | 2.2 | --- | P4 | C | 6300 | PENTODE NO. 1. USE ADAPTER SA-11. MODEL 5398# USE SA-11 & CA-4. NOTE 7. |
| | | | | | | | | SEE NEXT PAGE FOR CONTINUATION |

| TUBE TYPE | FIL. | SELECTIONS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|------------|------------|-------|-------|-------|-----------------|--|
| EFL200 | 6.3 | EW-1432-0 | 1.0 | --- | P4 | C | 5000 | PENTODE NO. 2. |
| EH9C | 6.3 | ET-1562-7 | 0.0 | --- | P4 | D | 500 | GRID NO. 1. PLATE VOLTS = LOW. GRID NO. 3. PLATE VOLTS = LOW. GRID NO. 1 PLATE VOLTS=LOW GRID NO. 3 PLATE VOLTS=LOW AMPL. SECTION. HOLD DOWN P1 AND PRESS P4. |
| EH9D | 6.3 | ET-1562-1 | 0.0 | --- | P4 | D | 790 | |
| EH900S | 6.3 | ET-1562-7 | 1.0 | --- | P4 | D | 700 | |
| EH900S | 6.3 | ET-1562-1 | 1.8 | --- | P4 | D | 440 | |
| EK90 | 6.3 | ET-1562-1 | 0.0 | --- | --- | D | 940 | |
| EK90 | 6.3 | ET-1602-7 | 2.0 | --- | P4 | C | 6500 | OSC. SECTION. |
| EL34 | 6.3 | HS-5348-1 | 5.5 | --- | P4 | C | 3000 | CAP = P. |
| EL36 | 6.3 | HS-5048-0 | 11.0 | --- | P4 | C | 5000 | |
| EL37 | 6.3 | HS-5348-1 | 3.0 | --- | P4 | C | 3800 | |
| FL38 | 6.3 | HS-5048-1 | 0.0 | --- | P4 | H | 8500 | CAP = P. |
| FL41 | 6.3 | JR-6257-0 | 1.0 | --- | P4 | C | 5300 | USE HICKOK ADAPTER SA-5, 1050-129. |
| EL42 | 6.3 | JR-6257-0 | 2.8 | --- | P4 | D | 2000 | USE HICKOK ADAPTER SA-5, 1050-129. |
| EL80 | 6.3 | FV-2713-0 | 1.0 | --- | P4 | C | 5300 | CAP = P. |
| EL81 | 6.3 | EV-2073-1 | 16.0 | --- | P4 | D | 2900 | |
| LL83 | 6.3 | FV-2713-6 | 0.5 | --- | P4 | C | 6300 | |
| EL84 | 6.3 | EV-2793-0 | 1.0 | --- | P4 | C | 5650 | TURNS INDICATING GAS* RETEST USING EV-1793-0. |
| EL85 | 6.3 | EV-2793-0 | 2.8 | --- | P4 | D | 2000 | CAP = P. CAP = P. USE HICKOK ADAPTER SA-8, CODE NO. 1050-16R. USE HICKOK ADAPTER SA-8, 1050-16R. USE HICKOK ADAPTER SA-8, 1050-16R. CAP=P. USE ADAPTER SA-8, 1050-16R |
| EL86 | 6.3 | EV-2793-0 | 4.0 | --- | P4 | C | 4500 | |
| EL90 | 6.3 | ET-1562-0 | 2.1 | --- | P4 | D | 2600 | |
| FL91 | 6.3 | F1-1572-0 | 5.2 | --- | P4 | D | 1650 | |
| EL95 | 6.3 | ET-1562-0 | 1.0 | --- | P4 | D | 2900 | |
| EL180 | 12.5 | EV-2781-3 | 1.0 | --- | P4 | C | 5700 | |
| EL360 | 6.3 | HS-5048-0 | 11.0 | --- | P4 | C | 5000 | |
| EL500 | 6.3 | FV-2073-0 | 16.0 | --- | P4 | C | 5000 | |
| EL503 | 6.3 | EV-3986-0 | 5.8 | --- | P4 | C | 7300 | |
| EL505 | 6.3 | FV-1039-2 | 27.0 | --- | P4 | D | 2600 | |
| EL508 | 6.3 | EV-1637-0 | 12.0 | --- | P4 | D | 2600 | |
| EL509 | 6.3 | EV-1039-2 | 27.0 | --- | P4 | D | 2600 | |
| EL803 | 6.3 | EV-2713-6 | 0.5 | --- | P4 | C | 6300 | |
| EL821 | 6.3 | EV-2783-9 | 0.0 | --- | P4 | C | 6500 | |
| EL822 | 6.3 | EV-2783-9 | 0.0 | --- | P4 | C | 6500 | PENTODE NO. 1. PENTODE NO. 2. CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO PIN 3 OF BIG 7 PIN SOCKET & ANOTHER 1 MEG. TO PIN 6. EYE 1 CLOSES AT BIAS OF ABOUT 5 & EYE 2 CLOSES AT BIAS OF ABOUT 20. CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM ANGLE. |
| ELL80 | 6.3 | FV-2317-0 | 2.0 | --- | P4 | D | 3300 | |
| ELL80 | 6.3 | EV-6897-0 | 2.0 | --- | P4 | D | 3300 | |
| EM34 | 6.3 | HS-4508-0 | VARY | --- | P5 | A | ---- | |
| EM80 | 6.3 | FV-1902-0 | VARY | 100 | P4 | G | ---- | CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM ANGLE. |
| EM81 | 6.3 | FV-1902-0 | VARY | 100 | P4 | G | ---- | CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM ANGLE. |
| EM84 | 6.3 | FV-1603-0 | 11.0 | --- | P4 | G | ---- | SOLID BAR (SEE BELOW) SPLIT BAR (SEE BELOW) CONNECT JUMPER BETWEEN PINS 7 & 9 OF NOVAL SOCKET. CONNECT 470K, 1/2 W, 10% RESISTOR BETWEEN JUMPER & PIN 6 OF SAME SOCKET. |
| EM84 | 6.3 | FV-1603-0 | 0.0 | --- | P4 | G | ---- | |
| EM87 | 6.3 | FV-1603-0 | 6.0 | --- | P4 | G | ---- | SOLID BAR (SEE BELOW) SPLIT BAR (SEE BELOW) CONNECT JUMPER BETWEEN PINS 7 & 9 OF NOVAL SOCKET. CONNECT 100K, 1/2 W, 10% RESISTOR BETWEEN JUMPER & PIN 6 OF SAME SOCKET. |
| EM87 | 6.3 | EV-1603-0 | 0.0 | --- | P4 | G | ---- | |
| EMM801 | 6.3 | EV-9203-1 | 10.0 | --- | P4 | A | ---- | SOLID BAR (SEE BELOW) SPLIT BAR (SEE BELOW) CONNECT 390K, 1/2 W, 10% RESISTOR BETWEEN PINS 2 & 8 OF OCTAL TEST SOCKET. |
| EMM801 | 6.3 | EV-9203-1 | 4.0 | --- | P4 | A | ---- | |

SEE NEXT PAGE FOR CONTINUATION

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|--|
| EMM801 | 6.3 | EV-7203-1 | 10.0 | --- | P4 | A | ---- | SOLID BAR (SEE BELOW) |
| EMM801 | 6.3 | EV-7203-1 | 4.0 | --- | P4 | A | ---- | SPLIT BAR (SEE BELOW) |
| EMM803 | 6.3 | EV-3601-0 | 9.0 | --- | P4 | A | ---- | CONNECT 390K, 1/2 W, 10% RESISTOR BETWEEN PINS 2 & 6 OF LOCAL TEST SOCKET. |
| EMM803 | 6.3 | EV-3601-0 | 0.0 | --- | P4 | A | ---- | LARGE SOLID BAR (SEE BELOW) |
| EMM803 | 6.3 | EV-2601-0 | 3.0 | --- | P4 | A | ---- | SPLIT BAR (SEE BELOW) |
| EMM803 | 6.3 | EV-2601-0 | 0.0 | --- | P4 | A | ---- | CONNECT 470K, 1/2 W, 10% RESISTOR BETWEEN PINS 6 & 9 OF NOVAL TEST SOCKET. |
| EN91 | 6.3 | ET-1602-5 | --- | 89 | P5 | G | ---- | SMALL SOLID BAR (SEE BELOW) |
| EQ80 | 6.3 | EV-7163-9 | 6.0 | --- | P4 | F | 630 | NO BAR (SEE BELOW) |
| EY80 | 6.3 | EV-0903-0 | 0.0 | 91 | P3 | G | ---- | CONNECT 1 MEGOHM, 1/2 W, 10% RESISTOR BETWEEN PINS 6 & 7 OF LOCAL TEST SOCKET. |
| EY81 | 6.3 | EV-0004-0 | 0.0 | 90 | P3 | G | ---- | STRIKES AT ABOUT 1.8 V. NOTES 3&2. |
| EY82 | 6.3 | EV-0903-0 | 0.0 | 90 | P3 | G | ---- | NOTE 3. |
| EY84 | 6.3 | EV-0003-0 | 0.0 | 88 | P3 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| EY86 | 6.3 | FS-0000-0 | 0.0 | 14 | P5 | G | ---- | NOTE 3. |
| EY87 | 6.3 | ES-0000-0 | 0.0 | 14 | P5 | G | ---- | CAP = P. NOTE 3. |
| EY88 | 6.3 | EV-0009-0 | 0.0 | 89 | P3 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| EY91 | 6.3 | ET-0102-0 | 0.0 | 85 | P3 | G | ---- | NOTE 3. |
| EY500 | 6.3 | EV-0007-0 | 0.0 | 90 | P3 | G | ---- | CAP = P. REVERSE METER USE HICKOK ADAPTER SA-8, 1050-168. NOTE 3. |
| EZ2 | 6.3 | HS-0508-1 | 0.0 | 85 | P5 | G | ---- | PLATE NO. 1 NOTE 3 |
| EZ2 | 6.3 | HS-0308-1 | 0.0 | 85 | P5 | G | ---- | PLATE NO. 2 NOTE 3 |
| EZ35 | 6.3 | HS-0508-1 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| EZ35 | 6.3 | HS-0308-1 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| EZ40 | 6.3 | JR-0207-0 | 0.0 | 80 | P3 | G | ---- | DIODE NO. 1. USE HICKOK ADAPTER SA-5 CODE NO. 1050-129. NOTE 3. |
| EZ40 | 6.3 | JR-0607-0 | 0.0 | 80 | P3 | G | ---- | DIODE NO. 2. USE HICKOK ADAPTER SA-5 CODE NO. 1050-129. NOTE 3. |
| EZ80 | 6.3 | EV-0703-1 | 0.0 | 80 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| EZ80 | 6.3 | EV-0103-7 | 0.0 | 80 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| EZ81 | 6.3 | EV-0703-0 | 0.0 | 87 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| EZ91 | 6.3 | EV-0103-0 | 0.0 | 87 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| EZ90 | 6.3 | ET-0607-1 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| EZ90 | 6.3 | ET-0107-6 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| GY501 | 3.0 | JR-0000-0 | 0.0 | 30 | P5 | G | ---- | CAP = P. USE HICKOK ADAPTER SA-8, 1050-168. NOTES 3 & 6. |
| GZ30 | 5.0 | JS-0600-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| GZ30 | 5.0 | JS-0400-0 | 0.0 | 91 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| GZ32 | 5.0 | JS-0600-0 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| GZ32 | 5.0 | JS-0400-0 | 0.0 | 89 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| GZ33 | 5.0 | JS-0600-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| GZ33 | 5.0 | JS-0400-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| GZ34 | 5.0 | JS-0600-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| GZ34 | 5.0 | JS-0400-0 | 0.0 | 88 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| H63 | 6.3 | HS-0408-1 | 0.9 | --- | P4 | D | 950 | CAP = G. |
| H-1112 | 2.0 | DR-4028-0 | 1.0 | --- | --- | C | 4100 | CAP=P. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-3, 1050-127 OR CA-4, 1050-135. |
| H-1208 | 6.3 | DR-4208-0 | 0.8 | --- | P4 | C | 7800 | PLATE VOLTS = LOW. |
| HAA91 | 12.6 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| HAA91 | 12.6 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| HABC80 | 20.0 | EV-8907-0 | 1.3 | --- | P4 | E | 750 | TRIODE SECTION. |
| HABC80 | 20.0 | EV-0607-0 | 0.0 | - | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| HABC80 | 20.0 | EV-0203-0 | 0.0 | - | P1 | - | ---- | DIODE NO. 2. NOTE 3. |
| HABC80 | 20.0 | EV-0107-0 | 0.0 | - | P1 | - | ---- | DIODE NO. 3. NOTE 3. |
| HBC90 | 12.6 | ET-1702-0 | 1.5 | --- | P4 | F | 820 | TRIODE SECTION. |
| HBC90 | 12.6 | ET-1602-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| HBC90 | 12.6 | ET-1502-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|---|
| HBC91 | 12.6 | ET-1702-5 | 1.3 | --- | P4 | E | 800 | TRIODE SECTION. |
| HBC91 | 12.6 | ET-1602-5 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| HBC91 | 12.6 | ET-1502-7 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| HCC85 | 20.0 | EV-7608-0 | 1.5 | --- | P4 | C | 3600 | TRIODE NO. 1. |
| HCC85 | 20.0 | EV-2103-0 | 1.5 | --- | P4 | C | 3600 | TRIODE NO. 2. |
| HCH81 | 12.6 | EV-2613-7 | 3.5 | --- | P4 | D | 950 | HEPTODE SECTION. |
| HCH81 | 12.6 | EV-9803-2 | 1.5 | --- | P4 | D | 2300 | TRIODE SECTION. |
| HCL82 | 35.0 | EV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION |
| HCL82 | 35.0 | EV-1908-0 | 0.6 | --- | P4 | E | 1350 | TRIODE SECTION. |
| HD14 | 1.4 | HS-0300-0 | 0.8 | --- | P4 | F | 190 | TRIODE SECTION. CAP = G. NOTE 6. |
| HD14 | 1.4 | HS-0500-0 | 0.0 | --- | P1 | D | ---- | DIODE SECTION. NOTES 3 & 6. |
| HD30 | 2.5 | EV-3710-0 | 15.0 | --- | P4 | E | 1070 | NOTE 6. |
| HD93 | 1.1 | BS-0000-0 | 0.0 | 12 | P5 | G | ---- | CAP = P. NOTES 3 & 6. |
| HD94 | 6.3 | HS-5048-0 | 12.0 | --- | P4 | C | 3500 | CAP = P. |
| HD96 | 25.0 | HS-5048-0 | 12.0 | --- | P4 | C | 3500 | CAP = P. |
| HF61 | 6.3 | JR-6257-0 | 3.0 | --- | P4 | E | 950 | USE HICKOK ADAPTER SA-5, 1050-129. |
| HF62 | 6.3 | JR-6257-4 | 0.5 | --- | P4 | C | 4600 | USE HICKOK ADAPTER SA-5, 1050-129. |
| HF93 | 12.6 | ET-1567-2 | 1.0 | --- | P4 | D | 2070 | |
| HF94 | 12.6 | ET-1567-2 | 1.0 | --- | P4 | C | 2500 | |
| HK90 | 12.6 | ET-7562-1 | 0.0 | --- | --- | D | 940 | AMPL. SECTION. HOLD DOWN P1 AND PRESS P4. |
| HK90 | 12.6 | ET-1602-7 | 2.0 | --- | P4 | C | 4500 | OSC. SECTION. |
| HL90 | 20.0 | ET-1562-0 | 2.1 | --- | P4 | D | 2600 | |
| HL92 | 50.0 | ET-2761-0 | 1.5 | --- | --- | C | 5650 | HOLD DOWN P1 AND PRESS P4. |
| HL94 | 35.0 | KT-2761-0 | 4.0 | --- | P4 | C | 4500 | BEFORE PLACING TUBE IN SOCKET, COUNT COUNTERCLOCKWISE AND JUMPER A 33 OHM, 2 WATT RESISTOR BETWEEN PINS 4 & 9 OF 9 PIN MIN. SOCKET. |
| HMO4 | 6.3 | ET-7562-1 | 0.0 | --- | --- | D | 940 | AMPL. SECTION. HOLD DOWN P1 AND PRESS P4. |
| HMO4 | 6.3 | ET-1602-7 | 2.0 | --- | P4 | C | 4500 | OSC. SECTION. |
| HP6 | 6.3 | ET-1572-6 | 1.0 | --- | P4 | C | 3800 | |
| HY90 | BLST | ET-0167-0 | --- | --- | --- | - | ---- | SHORT ON 1-2-3-5 AND AC RECT. SECTION. |
| HZ90 | 12.6 | ET-0607-1 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| HZ90 | 12.6 | ET-0107-6 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| KT61 | 6.3 | HS-5348-0 | 0.0 | --- | P4 | C | 5250 | |
| KT66 | 6.3 | HS-5348-1 | 3.0 | --- | P4 | C | 3150 | |
| KT88 | 6.3 | HS-5348-1 | 1.4 | --- | P4 | C | 6250 | |
| KTZ63 | 6.3 | HS-0348-5 | 4.0 | --- | P4 | E | 770 | CAP = G. |
| L63 | 6.3 | HS-5308-0 | 3.7 | --- | P4 | D | 1640 | |
| L77 | 6.3 | ET-6107-0 | 4.8 | --- | P4 | E | 1380 | |
| LC900 | 2.5 | ET-1507-6 | 1.2 | --- | P4 | C | 8000 | |
| LCF80 | 6.3 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION. |
| LCF80 | 6.3 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION. |
| LCF200 | 6.3 | FW-3782-4 | 1.5 | --- | P4 | C | 4700 | PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| LCF200 | 6.3 | FW-W901-0 | 1.2 | --- | P4 | D | 3000 | TRIODE SECTION. |
| LCF201 | 6.3 | FW-3782-4 | 1.5 | --- | P4 | C | 4400 | PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| LCF201 | 6.3 | FW-W901-0 | 4.5 | --- | P4 | C | 3150 | TRIODE SECTION. |
| LCF801 | 5.0 | EV-2671-0 | 1.0 | --- | P4 | C | 4900 | PENTODE SECTION. |
| LCF801 | 5.0 | EV-9803-0 | 4.2 | --- | P4 | C | 6100 | TRIODE SECTION. |
| LCF802 | 6.3 | EV-2637-0 | 1.6 | --- | P4 | D | 2400 | PENTODE SECTION. |
| LCF802 | 6.3 | EV-9108-0 | 1.1 | --- | P4 | D | 2200 | TRIODE SECTION. |
| LCH200 | 5.0 | FW-3741-2 | 1.0 | --- | --- | E | 700 | HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| LCH200 | 5.0 | FW-8W09-0 | 2.4 | --- | P4 | C | 3150 | TRIODE SECTION. |
| LCL80 | 4.3 | EV-2103-0 | 5.0 | --- | P4 | D | 850 | TRIODE SECTION. |
| LCL80 | 4.3 | EV-9683-7 | 4.0 | --- | P4 | D | 2100 | PENTODE SECTION. |
| LCL82 | 10.0 | EV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION. |
| LCL82 | 10.0 | EV-1908-0 | 0.6 | --- | P4 | E | 1350 | TRIODE SECTION. |

| TUBE TYPE | FIL. | SFLECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|---|
| LCL84 | 10.0 | EV-8697-0 | 0.6 | --- | P4 | C | 6900 | PENTODE SECTION. |
| LCL84 | 10.0 | EV-1203-0 | 1.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| LCL85 | 10.0 | EV-2103-0 | 2.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| LCL85 | 10.0 | EV-9678-0 | 8.0 | --- | P4 | C | 4100 | PENTODE SECTION. |
| LFL200 | 10.0 | FW-8W97-0 | 2.2 | --- | P4 | C | 6300 | PENTODE NO. 1. USE ADAPTER SA-11. MODEL 5398# USE SA-11 & CA-4. NOTE 7. |
| LFL200 | 10.0 | FW-1432-0 | 1.0 | --- | P4 | C | 5300 | PENTODE NO. 2. |
| LL86 | 10.0 | EV-2793-0 | 4.0 | --- | P4 | C | 4500 | |
| LL500 | 20.0 | EV-2078-0 | 16.0 | --- | P4 | C | 5000 | CAP = P. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168. |
| LL505 | 25.0 | EV-1039-2 | 27.0 | --- | P4 | D | 2600 | CAP = P. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168. |
| LL521 | 20.0 | EV-8039-2 | 7.0 | --- | P4 | C | 5700 | CAP = P. PLATE VOLTS = LOW. USE HICKOK ADAPTER SA-8, 1050-168. |
| LN119 | 50.0 | EV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION. |
| LN119 | 50.0 | EV-1908-0 | 0.6 | --- | P4 | E | 1350 | TRIODE SECTION. |
| LN152 | 6.3 | EV-9683-7 | 4.0 | --- | P4 | D | 2100 | PENTODE SECTION. |
| LN152 | 6.3 | EV-2103-0 | 5.0 | --- | P4 | D | 850 | TRIODE SECTION. |
| LN309 | 12.6 | EV-9687-0 | 4.0 | --- | P4 | D | 2650 | PENTODE SECTION. |
| LN309 | 12.6 | FV-2103-0 | 4.0 | --- | P4 | E | 200 | TRIODE SECTION. |
| LY81 | 6.3 | EV-0009-0 | 0.0 | 90 | P3 | G | ---- | CAP=P. NOTE 3. REVERSE METER |
| LY88 | 20.0 | EV-0009-0 | 0.0 | 89 | P3 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| LY500 | 25.0 | EV-0007-0 | 0.0 | 90 | P3 | G | ---- | CAP = P. REVERSE METER. USE HICKOK ADAPTER SA-8, 1050-168. NOTE 3. |
| LZ319 | 10.0 | FV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION |
| LZ319 | 10.0 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION |
| M8079 | 6.3 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| M8079 | 6.3 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| M8081 | 6.3 | ET-5207-0 | 1.8 | --- | P4 | C | 3340 | TRIODE NO. 1. |
| M8081 | 6.3 | ET-6107-0 | 1.8 | --- | P4 | C | 3340 | TRIODE NO. 2. |
| M8098 | OFF | AP-0102-0 | --- | --- | P4 | H | 85V | STARTS AT ABOUT 125V. REGULATION = 3 VOLTS FROM 1 TO 10 MA. |
| M8100 | 6.3 | ET-1562-0 | 1.8 | --- | P4 | C | 3150 | |
| M8136 | 12.6 | EV-7608-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 1. |
| M8136 | 12.6 | FV-2103-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 2. |
| M8137 | 12.6 | EV-7608-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 1. |
| M8137 | 12.6 | FV-2103-0 | 1.3 | --- | P4 | D | 875 | TRIODE NO. 2. |
| M8162 | 12.6 | EV-7608-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| M8162 | 12.6 | FV-2103-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| M8195 | 6.3 | EV-6913-8 | 1.5 | --- | P4 | D | 1150 | |
| M8196 | 6.3 | ET-1562-7 | 1.8 | --- | P4 | D | 1400 | |
| M8212 | 6.3 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| M8212 | 6.3 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| N14 | 6.3 | HS-5308-0 | 4.2 | --- | P4 | E | 1260 | |
| N17 | 2.5 | HR-3240-0 | 5.0 | --- | P4 | E | 950 | PLATE VOLTS = LOW. NOTE 6. |
| N18 | 3.0 | HR-3240-0 | 4.0 | --- | P4 | E | 1350 | NOTE 6. |
| N19 | 3.0 | HR-6230-0 | 6.0 | --- | P4 | E | 1260 | NOTE 6. |
| N22LL | 20.0 | EV-7963-2 | 20.0 | --- | P4 | C | 4400 | USE HICKOK ADAPTER SA-8, 1050-168. |
| N30EL | 6.3 | B3-5032-4 | 23 | --- | P4 | C | 5200 | CAP=P. NOTE 7. |
| N77 | 6.3 | ET-1572-0 | 5.3 | --- | P4 | D | 1650 | |
| N78 | 6.3 | ET-1572-0 | 1.0 | --- | P4 | C | 5000 | |
| N119 | 50.0 | EV-2793-0 | 4.0 | --- | P4 | C | 4500 | |
| N144 | 6.3 | ET-1572-0 | 5.3 | --- | P4 | D | 1650 | |
| N151 | 6.3 | JR-6257-0 | 2.8 | --- | P4 | D | 2000 | |
| N152 | 20.0 | EV-2083-9 | 13.0 | --- | P4 | C | 3800 | USE HICKOK ADAPTER SA-5, 1050-129. |
| N153 | 12.6 | EV-2713-6 | 1.0 | --- | P4 | C | 6300 | CAP = P. |
| N154 | 20.0 | FV-2793-0 | 6.0 | --- | P4 | D | 3500 | DISREGARD SHORTS TEST AFTER GM TEST IS COMPLETED. ALLOW 60 SEC. FOR WARM-UP & 5 SEC. FOR GM READINGS. KEEP LINE ADJUSTED AT 80 V. |
| N309 | 12.6 | EV-2713-6 | 1.0 | --- | P4 | C | 6300 | |
| N329 | 20.0 | EV-2793-0 | 6.0 | --- | P4 | D | 3500 | DISREGARD SHORTS TEST AFTER GM TEST IS COMPLETED. ALLOW 60 SEC. FOR WARM-UP & 5 SEC. FOR GM READINGS. KEEP LINE ADJUSTED AT 80 V. |

| TUBE TYPE | FIL. | SFLECTORS | BIAS VOLTS | SHUNT | PRFSS | RANGE | MIN. MUT. CIND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|--|
| N359 | 20.0 | EV-2083-9 | 13.0 | --- | P4 | C | 3800 | CAP = P. |
| N369 | 12.6 | EV-3672-0 | 7.2 | --- | P4 | D | 3100 | PENTODE SECTION |
| N369 | 12.6 | EV-1908-0 | 0.5 | --- | P4 | D | 1650 | TRIODE SECTION |
| N709 | 6.3 | EV-2793-0 | 1.0 | --- | P4 | C | 5650 | TUBES INDICATING GAS# RETEST USING EV-1793-0. |
| N727 | 6.3 | ET-1562-0 | 2.1 | --- | P4 | D | 2600 | |
| OM4 | 6.3 | HS-0308-0 | 2.4 | --- | P4 | E | 1260 | TRIODE SECTION CAP = G. |
| OM4 | 6.3 | HS-0508-0 | 2.4 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| OM4 | 6.3 | HS-0408-0 | 2.4 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| PABC80 | 10.0 | EV-8907-6 | 1.3 | --- | P4 | E | 750 | TRIODE SECTION. |
| PABC80 | 10.0 | EV-0607-1 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| PABC80 | 10.0 | EV-0203-7 | 0.0 | --- | P1 | E | ---- | DIODE NO. 2. NOTE 3. |
| PABC80 | 10.0 | EV-0107-8 | 0.0 | --- | P1 | E | ---- | DIODE NO. 3. NOTE 3. |
| PC86 | 4.3 | EV-2103-0 | 1.2 | --- | P4 | B | 8800 | |
| PC88 | 4.3 | EV-9802-0 | 1.3 | --- | P4 | E | 7500 | |
| PC95 | 3.0 | ET-2567-0 | 0.8 | --- | P4 | C | 6600 | |
| PC97 | 4.3 | ET-2501-6 | 1.4 | --- | P4 | C | 7000 | |
| PC900 | 4.3 | ET-1507-6 | 1.2 | --- | P4 | C | 8000 | |
| PCC84 | 7.5 | EV-6907-0 | 3.8 | --- | P4 | C | 3750 | TRIODE NO. 1. |
| PCC84 | 7.5 | FV-2301-0 | 3.8 | --- | P4 | C | 3750 | TRIODE NO. 2. |
| PCC85 | 10.0 | EV-7608-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| PCC85 | 10.0 | FV-2103-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| PCC88 | 7.5 | EV-7608-0 | 3.0 | --- | P4 | C | 7750 | TRIODE NO. 1. |
| PCC88 | 7.5 | FV-2103-0 | 3.0 | --- | P4 | C | 7750 | TRIODE NO. 2. |
| PCC89 | 7.5 | EV-6908-0 | 2.4 | --- | P4 | C | 6000 | TRIODE NO. 1. |
| PCC89 | 7.5 | FV-2301-0 | 2.4 | --- | P4 | C | 6000 | TRIODE NO. 2. |
| PCC189 | 7.5 | EV-7608-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 1. |
| PCC189 | 7.5 | FV-2103-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 2. |
| PCF80 | 10.0 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION. |
| PCF80 | 10.0 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION. |
| PCF82 | 10.0 | EV-2637-0 | 0.8 | --- | P4 | D | 2400 | PENTODE SECTION. |
| PCF82 | 10.0 | EV-9108-0 | 1.0 | --- | P4 | C | 5350 | TRIODE SECTION. |
| PCF86 | 7.5 | EV-2893-0 | 0.8 | --- | P4 | C | 5050 | PENTODE SECTION. |
| PCF86 | 7.5 | EV-6703-0 | 8.0 | --- | P4 | C | 4000 | TRIODE SECTION. |
| PCF200 | 7.5 | FW-3782-4 | 1.5 | --- | P4 | C | 4700 | PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. |
| PCF200 | 7.5 | FW-W901-0 | 1.2 | --- | P4 | D | 3000 | TRIODE SECTION. |
| PCF201 | 7.5 | FW-3782-4 | 1.5 | --- | P4 | C | 4400 | PENTODE SECTION. USE ADAPTER SA-11 MODEL 539B# USE SA-11 & CA-4. |
| PCF201 | 7.5 | FW-W901-0 | 4.5 | --- | P4 | C | 3150 | TRIODE SECTION. |
| PCF801 | 7.5 | EV-2671-0 | 1.0 | --- | P4 | C | 4900 | PENTODE SECTION. |
| PCF801 | 7.5 | EV-9803-0 | 4.2 | --- | P4 | C | 6100 | TRIODE SECTION. |
| PCF802 | 10.0 | EV-2637-0 | 1.6 | --- | P4 | D | 2400 | PENTODE SECTION. |
| PCF802 | 10.0 | EV-9108-0 | 1.1 | --- | P4 | D | 2200 | TRIODE SECTION. |
| PCF805 | 7.5 | EV-7328-0 | 1.0 | --- | P4 | C | 4600 | PENTODE SECTION. |
| PCF805 | 7.5 | EV-9108-0 | 6.0 | --- | P4 | D | 3000 | TRIODE SECTION. |
| PCH200 | 10.0 | FW-3741-2 | 1.0 | --- | -- | E | 700 | HEPTODE SECTION. HOLD DOWN P1 & PRESS P4. USE ADAPTER SA-11. MODEL 539B# USE SA-11 & CA-4. NOTE 7. |
| PCH200 | 10.0 | FW-8W09-0 | 2.4 | --- | P4 | C | 3150 | TRIODE SECTION. |
| PCL82 | 12.6 | EV-3672-0 | 7.2 | --- | P4 | D | 3100 | PENTODE SECTION. |
| PCL82 | 12.6 | EV-1908-0 | 0.5 | --- | P4 | D | 1650 | TRIODE SECTION. |
| PCL83 | 12.6 | EV-9687-0 | 4.0 | --- | P4 | D | 2650 | PENTODE SECTION. |
| PCL83 | 12.6 | EV-2103-0 | 4.0 | --- | P4 | E | 200 | TRIODE SECTION. |
| PCL84 | 12.6 | EV-8697-0 | 0.6 | --- | P4 | C | 6900 | PENTODE SECTION. |
| PCL84 | 12.6 | EV-1203-0 | 1.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| PCL85 | 20.0 | EV-9678-0 | 8.0 | --- | P4 | C | 4100 | PENTODE SECTION. |
| PCL85 | 20.0 | FV-2103-0 | 2.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| PCL86 | 12.6 | EV-8637-0 | 1.0 | --- | P4 | C | 5500 | PENTODE SECTION. |
| PCL86 | 12.6 | EV-1902-0 | 0.7 | --- | P4 | E | 550 | TRIODE SECTION. |
| PD500 | 10.0 | EV-0801-0 | 0.0 | --- | P1 | E | ---- | CAP = G. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168. NOTE 3. |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|---|
| PF86 | 4.3 | EV-9613-8 | 1.5 | --- | P4 | D | 1150 | |
| PFL200 | 20.0 | FW-8W97-0 | 1.4 | --- | P4 | C | 6300 | PENTODE NO. 1. SET POWER ADJUST AT 90V. USE ADAPTER SA-11. MODEL 539B USE SA-11 & CA-4. NOTE 7. |
| PFL200 | 20.0 | FW-1432-0 | 0.5 | --- | P4 | C | 5300 | PENTODE NO. 2. SET POWER ADJUST AT 90V. |
| PL21 | 6.3 | ET-1602-5 | --- | 89 | P5 | G | ---- | STRIKES @ ABOUT 1.8V. NOTES 3&2. |
| PL36 | 25.0 | HS-5048-0 | 11.0 | --- | P4 | C | 5000 | CAP = P. |
| PL81 | 20.0 | EV-2083-9 | 13.0 | --- | P4 | C | 3800 | CAP = P. |
| PL82 | 20.0 | EV-2793-0 | 6.0 | --- | P4 | D | 3500 | DISREGARD SHORTS TEST AFTER GM TEST IS COMPLETED. ALLOW 60 SEC. FOR WARM-UP & 5 SEC. FOR GM READINGS. KEEP LINE ADJUSTED AT 80 V. |
| PL83 | 12.6 | EV-2713-6 | 1.0 | --- | P4 | C | 6300 | |
| PL84 | 12.6 | EV-2793-0 | 8.0 | --- | P4 | C | 6300 | SET POWER ADJUST AT 114 VOLTS. |
| PL500 | 25.0 | EV-2078-0 | 16.0 | --- | P4 | C | 5000 | CAP = P. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168. |
| PL505 | 35.0 | EV-1039-2 | 27.0 | --- | P4 | D | 2600 | CAP = P. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168. |
| PL508 | 20.0 | EV-1637-0 | 12.0 | --- | P4 | D | 2600 | SET CATH. ACT. SWITCH TO TEST. USE HICKOK ADAPTER SA-8, 1050-168. |
| PL521 | 25.0 | EV-8039-2 | 7.0 | --- | P4 | C | 5700 | CAP = P. PLATE VOLTS = LOW. USE HICKOK ADAPTER SA-8, 1050-168. |
| PLL80 | 12.6 | EV-2317-0 | 2.0 | --- | P4 | D | 3300 | PENTODE NO. 1. |
| PLL80 | 12.6 | EV-6897-0 | 2.0 | --- | P4 | D | 3300 | PENTODE NO. 2. |
| PM04 | 6.3 | ET-1567-2 | 1.0 | --- | P4 | D | 2070 | |
| PM05 | 6.3 | ET-1562-0 | 1.8 | --- | P4 | C | 3150 | |
| PM07 | 6.3 | ET-1572-6 | 1.0 | --- | P4 | C | 3800 | |
| PM84 | 4.3 | EV-1603-0 | 11.0 | --- | P4 | G | ---- | SOLID BAR (SEE BELOW) |
| PM84 | 4.3 | EV-1603-0 | 0.0 | --- | P4 | G | ---- | SPLIT BAR (SEE BELOW) |
| | | | | | | | | CONNECT JUMPER BETWEEN PINS 7 & 9 OF NOVAL SOCKET. CONNECT 470K, 1/2W, 10 % RESISTOR BETWEEN JUMPER & PIN 6 OF SAME SOCKET |
| PY80 | 20.0 | EV-0903-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| PY81 | 20.0 | EV-0009-0 | 0.0 | 90 | P3 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| PY82 | 20.0 | EV-0903-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| PY88 | 25.0 | EV-0009-0 | 0.0 | 89 | P3 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| PY500 | 50.0 | EV-0007-0 | 0.0 | 90 | P3 | G | ---- | CAP = P. METER REVERSE USE HICKOK ADAPTER SA-8, 1050-168. NOTE 3. |
| PY800 | 20.0 | EV-0009-0 | 0.0 | --- | P3 | F | ---- | CAP = P. REVERSE METER. NOTE 3. |
| QA2403 | 6.3 | ET-1572-6 | 1.0 | --- | P4 | C | 3800 | |
| QA2406 | 12.6 | EV-7608-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| QA2406 | 12.6 | EV-2103-0 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| QE03/10 | 6.3 | EV-9167-3 | 0.0 | --- | P4 | C | 4400 | |
| QE05/40 | 6.3 | HS-5031-8 | 10.5 | --- | P4 | C | 4400 | CAP = P. |
| QE05/40F | 12.6 | HS-5031-8 | 10.5 | --- | P4 | C | 4400 | CAP = P. |
| QE05/40H | 25.0 | HS-5031-8 | 10.5 | --- | P4 | C | 4400 | CAP = P. |
| QE06/50 | 6.3 | FR-3024-0 | 6.0 | --- | P4 | D | 2400 | CAP = P. |
| QQE02/5 | 12.6 | EV-3872-0 | 3.5 | --- | P4 | D | 3150 | TETRODE NO. 1. NOTE 8# 1-, 2+. |
| QQE02/5 | 12.6 | EV-1672-0 | 3.5 | --- | P4 | D | 3150 | TETRODE NO. 2. NOTE 8# 3-, 2+. |
| QQE03/12 | 12.6 | EV-3872-0 | 8.0 | --- | P4 | D | 2100 | TETRODE NO. 1. NOTE 8# 1-, 2+. |
| QQE03/12 | 12.6 | EV-1672-0 | 8.0 | --- | P4 | D | 2100 | TETRODE NO. 2. NOTE 8# 3-, 2+. |
| QQE03/20 | 12.6 | HR-2034-0 | 5.0 | --- | P4 | E | 1550 | TETRODE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP. |
| QQE03/20 | 12.6 | HR-6035-0 | 5.0 | --- | P4 | E | 1550 | TETRODE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP. |
| QQE06/40 | 12.6 | HR-2034-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP. |
| QQE06/40 | 12.6 | HR-6034-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP. |
| QQV02/6 | 12.6 | EV-3872-0 | 3.5 | --- | P4 | D | 3150 | TETRODE NO. 1. NOTE 8# 1-, 2+. |
| | | | | | | | | SEE NEXT PAGE FOR CONTINUATION |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|---|
| QQV02/6 | 12.6 | EV-1672-0 | 3.5 | --- | P4 | D | 3150 | TETRODE NO. 2. NOTE 8# 3-, 2+. |
| QQV03/10 | 12.6 | EV-3872-0 | 8.0 | --- | P4 | D | 2100 | TETRODE NO. 1. NOTE 8# 1-, 2+. |
| QQV03/10 | 12.6 | EV-1672-0 | 8.0 | --- | P4 | D | 2100 | TETRODE NO. 2. NOTE 8# 3-, 2+. |
| QQV03/20A | 12.6 | HR-2034-0 | 5.0 | --- | P4 | E | 1550 | TETRODE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP. |
| QQV03/20A | 12.6 | HR-6034-0 | 5.0 | --- | P4 | E | 1550 | TETRODE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP. |
| QQV06/40 | 12.6 | HR-6034-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 1. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 2-, 4+, & CONNECT PLATE JACK TO RIGHT CAP. |
| QQV06/40 | 12.6 | HR-2034-0 | 5.6 | --- | P4 | D | 2400 | PLATE NO. 2. USE HICKOK ADAPTER, SA-6, 1050-107. NOTE 8# 6-, 4+, & CONNECT PLATE JACK TO LEFT CAP. |
| QS95/10 | OFF | AP-0501-0 | --- | --- | P4 | H | 95V | REGULATION = 5 VOLTS, 2 TO 10 MA. CONNECT A 470K RESISTOR BETWEEN PINS 1 & 4 OF ANY TEST SOCKET. STARTS AT ABOUT 110 VOLTS. |
| QV05/25 | 6.3 | FR-3024-0 | 6.0 | --- | P4 | D | 2400 | CAP = P. |
| STV85/10 | OFF | AP-0102-0 | --- | --- | P4 | H | 85V | STARTS AT ABOUT 125V. |
| STV108/30 | OFF | AP-0502-0 | --- | --- | P4 | H | 108V | REGULATION = 3V FROM 1 TO 10 MA. STARTS AT ABOUT 115V. |
| STV150/30 | OFF | AP-0502-0 | --- | --- | P4 | H | 150V | REGULATION = 2V FROM 5 TO 30 MA. STARTS AT ABOUT 155V. |
| U26 | 6.3 | ES-0000-0 | 0.0 | 14 | P5 | G | ---- | REGULATION = 2V FROM 5 TO 30 MA. CAP = P. NOTE 3. |
| U49 | 6.3 | ES-0000-0 | 0.0 | 14 | P5 | G | ---- | CAP = P. NOTE 3. |
| U50 | 5.0 | JS-0600-0 | 0.0 | 80 | P3 | G | ---- | PLATE NO. 1 NOTES 3 & 6 |
| U50 | 5.0 | JS-0400-0 | 0.0 | 75 | P3 | G | ---- | PLATE NO. 2 NOTES 3 & 6 |
| U52 | 5.0 | JS-0600-0 | 0.0 | 87 | P3 | G | ---- | PLATE NO. 1. NOTES 3 & 6. |
| U52 | 5.0 | JS-0400-0 | 0.0 | 84 | P3 | G | ---- | PLATE NO. 2. NOTES 3 & 6. |
| U70 | 6.3 | HS-0508-1 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| U70 | 6.3 | HS-0308-1 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| U78 | 6.3 | ET-0607-1 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| U78 | 6.3 | ET-0107-6 | 0.0 | 85 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| U119 | 35.0 | EV-0903-0 | 0.0 | 88 | P3 | G | ---- | NOTE 3. |
| U152 | 20.0 | EV-0903-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| U153 | 20.0 | EV-0009-0 | 0.0 | 90 | P3 | G | ---- | CAP = P REVERSE METER. NOTE 3. |
| U154 | 20.0 | EV-0903-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| U192 | 20.0 | EV-0903-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| U309 | 20.0 | EV-0903-0 | 0.0 | 91 | P3 | G | ---- | NOTE 3. |
| U381 | 35.0 | EV-0903-0 | 0.0 | 88 | P3 | G | ---- | NOTE 3. |
| U709 | 6.3 | EV-0703-0 | 0.0 | 87 | P3 | G | ---- | PLATE NO. 1. NOTE 3. |
| U709 | 6.3 | EV-0103-0 | 0.0 | 87 | P3 | G | ---- | PLATE NO. 2. NOTE 3. |
| UAA91 | 20.0 | ET-0701-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1. NOTE 3. |
| UAA91 | 20.0 | ET-0205-6 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2. NOTE 3. |
| UABC80 | 25.0 | EV-8907-0 | 1.3 | --- | P4 | E | 750 | TRIODE SECTION. |
| UABC80 | 25.0 | EV-0607-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| UABC80 | 25.0 | EV-0203-0 | 0.0 | --- | P1 | E | ---- | DIODE NO. 2. NOTE 3. |
| UABC80 | 25.0 | EV-0107-0 | 0.0 | --- | P1 | E | ---- | DIODE NO. 3. NOTE 3. |
| UAF42 | 12.6 | JR-6257-4 | 4.4 | --- | P4 | E | 750 | PENTODE SECTION. |
| UAF42 | 12.6 | JR-0307-0 | 0.0 | --- | P1 | C | ---- | DIODE SECTION. USE HICKOK ADAPTER SA-5 CODE NO. 1050-129. NOTE 3. |
| UB41 | 20.0 | JR-0607-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 1 NOTE 3 |
| UB41 | 20.0 | JR-0403-0 | 0.0 | 0 | P1 | G | ---- | DIODE NO. 2 NOTE 3. (SEE BELOW) |
| UBC41 | 12.6 | JR-3207-0 | 1.3 | --- | P4 | E | 790 | USE HICKOK ADAPTER SA-5, 1050-129 |
| UBC41 | 12.6 | JR-0607-0 | 0.0 | --- | P1 | C | ---- | TRIODE SECTION. |
| UBC41 | 12.6 | JR-0507-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| UBC81 | 12.6 | EV-2103-0 | 1.3 | --- | P4 | E | 790 | DIODE NO. 2. USE HICKOK ADAPTER SA-5 CODE NO. 1050-129. NOTE 3. |
| UBC81 | 12.6 | EV-0603-0 | 0.0 | --- | P1 | C | ---- | TRIODE SECTION. |
| UBC81 | 12.6 | EV-0803-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| UBF80 | 20.0 | EV-2613-9 | 0.9 | --- | P4 | E | 1400 | DIODE NO. 2. NOTE 3. |
| | | | | | | | | PENTODE SECTION. |
| | | | | | | | | SEE NEXT PAGE FOR CONTINUATION |

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT. COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|-----------------|--|
| UBF80 | 20.0 | EV-0703-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| UBF80 | 20.0 | EV-0803-0 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |
| UBF89 | 20.0 | EV-2613-9 | 2.6 | --- | P4 | D | 1800 | PENTODE SECTION. |
| UBF89 | 20.0 | EV-0803-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1. NOTE 3. |
| UBF89 | 20.0 | EV-0705-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2. NOTE 3. |
| UC92 | 10.0 | ET-6107-0 | 1.6 | --- | P4 | D | 2500 | |
| UCC85 | 25.0 | EV-7608-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 1. |
| UCC85 | 25.0 | EV-2103-9 | 1.6 | --- | P4 | D | 2500 | TRIODE NO. 2. |
| UCH42 | 12.6 | JR-6257-4 | 3.3 | --- | P4 | E | 950 | HEXODE SECTION. |
| UCH42 | 12.6 | JR-4307-6 | 4.7 | --- | P4 | E | 950 | TRIODE SECTION. USE HICKOK ADAPTER SA-5, 1050-129. |
| UCH81 | 20.0 | EV-2613-7 | 3.5 | --- | P4 | D | 950 | HEPTODE SECTION. |
| UCH81 | 20.0 | EV-9803-2 | 1.5 | --- | P4 | D | 2300 | TRIODE SECTION. |
| UCL82 | 50.0 | EV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION. |
| UCL82 | 50.0 | EV-1908-0 | 0.6 | --- | P4 | E | 1350 | TRIODE SECTION. |
| UCL83 | 35.0 | EV-9687-0 | 4.0 | --- | P4 | D | 2650 | PENTODE NO. 1. |
| UCL83 | 35.0 | EV-2103-0 | 4.0 | --- | P4 | E | 200 | PENTODE NO. 2. |
| UF41 | 12.6 | JR-6257-0 | 3.0 | --- | P4 | E | 950 | USE HICKOK ADAPTER SA-5, 1050-129. |
| UF42 | 20.0 | JR-6257-4 | 0.5 | --- | P4 | C | 4600 | USE HICKOK ADAPTER SA-5, 1050-129. |
| UF80 | 20.0 | EV-2781-9 | 0.5 | --- | P4 | C | 4500 | |
| UF85 | 20.0 | EV-2781-9 | 2.0 | --- | P4 | D | 2500 | |
| UF86 | 12.6 | EV-9613-8 | 1.5 | --- | P4 | D | 1150 | |
| UF89 | 12.6 | EV-2783-9 | 2.2 | --- | P4 | D | 1900 | |
| UL41 | 50.0 | JR-6257-0 | 1.0 | --- | P4 | C | 6300 | USE HICKOK ADAPTER SA-5, 1050-129. |
| UL84 | 50.0 | EV-2793-0 | 4.0 | --- | P4 | C | 4500 | |
| UM80 | 20.0 | EV-1902-0 | VARY | 100 | P4 | G | ---- | CONNECT A 1 MEGOHM RESISTOR FROM PLATE JACK TO OCTAL SOCKET PIN 7. VARY BIAS TO VARY BEAM. |
| UY41 | 35.0 | BY-0207-0 | 0.0 | 82 | P3 | G | ---- | SET POWER ADJUST @ 85. USE HICKOK ADAPTER SA-5, 1050-129. NOTE 3. |
| UY42 | 35.0 | BY-0207-0 | 0.0 | 82 | P3 | G | ---- | SET POWER ADJUST @ 85. USE HICKOK ADAPTER SA-5, 1050-129. NOTE 3. |
| UY85 | 35.0 | EV-0903-0 | 0.0 | 88 | P3 | G | ---- | NOTE 3. |
| UY89 | 35.0 | EV-0903-0 | 0.0 | 82 | P3 | G | ---- | SET POWER ADJUST AT 85V. NOTE 3. |
| W17 | 1.4 | BX-6230-0 | 0.0 | --- | P4 | E | 490 | PLATE VOLTS = LOW. NOTE 6. |
| W77 | 6.3 | ET-1572-6 | 0.7 | --- | P4 | D | 1400 | |
| WD119 | 20.0 | EV-2613-9 | 2.6 | --- | P4 | D | 1800 | PENTODE SECTION |
| WD119 | 20.0 | EV-0803-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 1 NOTE 3 |
| WD119 | 20.0 | EV-0705-0 | 0.0 | --- | P1 | C | ---- | DIODE NO. 2 NOTE 3 |
| X17 | 1.4 | BX-4306-2 | 2.0 | --- | P4 | E | 880 | PLATE VOLTS = LOW. NOTE 6. |
| X78 | 6.3 | ET-2510-7 | 7.2 | --- | P4 | E | 485 | HEXODE SECTION. |
| X78 | 6.3 | ET-7600-0 | 1.8 | --- | P4 | A | 15000 | TRIODE SECTION. |
| X108 | 20.0 | ET-2510-7 | 7.2 | --- | P4 | E | 485 | HEXODE SECTION. |
| X108 | 20.0 | ET-7600-0 | 1.8 | --- | P4 | A | 15000 | TRIODE SECTION. |
| X119 | 20.0 | EV-2613-7 | 3.5 | --- | P4 | D | 950 | HEPTODE SECTION. |
| X119 | 20.0 | EV-9803-2 | 1.5 | --- | P4 | D | 2300 | TRIODE SECTION. |
| X142 | 12.6 | JR-6257-4 | 3.3 | --- | P4 | E | 800 | HEXODE SECT. USE HICKOK ADAPTER SA-5, CODE NO. 1050-129. |
| X142 | 12.6 | JR-4307-6 | 4.7 | --- | P4 | F | 900 | TRIODE SECTION. |
| X719 | 6.3 | EV-2613-7 | 3.5 | --- | P4 | D | 950 | HEPTODE SECTION. |
| X719 | 6.3 | EV-9803-2 | 1.5 | --- | P4 | D | 2300 | TRIODE SECTION. |
| X727 | 6.3 | ET-7562-1 | 0.0 | --- | -- | D | 940 | AMPL. SECTION. HOLD DOWN P1 AND PRESS P4. OSC. SECTION. |
| X727 | 6.3 | ET-1602-7 | 2.0 | --- | P4 | C | 4500 | |
| XC95 | 2.0 | ET-2567-0 | 0.8 | --- | P4 | C | 6600 | |
| XC97 | 2.5 | ET-2501-6 | 1.4 | --- | P4 | C | 7000 | |
| XC900 | 2.0 | ET-1502-6 | 1.2 | --- | P4 | C | 8000 | |
| XCC82 | 6.3 | EV-7608-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 1. |
| XCC82 | 6.3 | EV-2103-0 | 3.2 | --- | P4 | D | 1950 | TRIODE NO. 2. |
| XCC189 | 4.3 | EV-7608-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 1. |
| XCC189 | 4.3 | EV-2103-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 2. |
| XCF80 | 4.3 | EV-2637-1 | 1.2 | --- | P4 | C | 3000 | PENTODE SECTION. |
| XCF80 | 4.3 | EV-9108-6 | 4.8 | --- | P4 | C | 3000 | TRIODE SECTION. |
| XCF86 | 5.0 | EV-2893-0 | 0.6 | --- | P4 | C | 5400 | PENTODE SECTION. |

SEE NEXT PAGE FOR CONTINUATION

| TUBE TYPE | FIL. | SELECTORS | BIAS VOLTS | SHUNT | PRESS | RANGE | MIN. MUT.COND. | NOTATIONS |
|-----------|------|-----------|------------|-------|-------|-------|----------------|---|
| XCF86 | 5.0 | EV-6703-0 | 5.4 | --- | P4 | D | 3000 | TRIODE SECTION. |
| XCF801 | 6.3 | EV-2671-0 | 1.0 | --- | P4 | C | 4900 | PENTODE SECTION. |
| XCF801 | 6.3 | EV-9803-0 | 4.2 | --- | P4 | C | 6100 | TRIODE SECTION. |
| XCH81 | 3.0 | EV-2613-7 | 3.5 | --- | P4 | D | 950 | HEPTODE SECTION. |
| XCH81 | 3.0 | EV-9803-2 | 1.5 | --- | P4 | D | 2300 | TRIODE SECTION. |
| XCL82 | 7.5 | EV-3672-0 | 7.4 | --- | P4 | D | 2700 | PENTODE SECTION. |
| XCL82 | 7.5 | EV-1908-0 | 0.6 | --- | P4 | E | 1350 | TRIODE SECTION. |
| XCL84 | 7.5 | EV-8697-0 | 0.6 | --- | P4 | C | 6900 | PENTODE SECTION. |
| XCL84 | 7.5 | EV-1203-0 | 1.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| XCL85 | 10.0 | EV-9678-0 | 8.0 | --- | P4 | C | 4100 | PENTODE SECTION. |
| XCL85 | 10.0 | EV-2103-0 | 2.0 | --- | P4 | D | 2800 | TRIODE SECTION. |
| XF80 | 3.0 | EV-2781-9 | 0.5 | --- | P4 | C | 4500 | |
| XF85 | 3.0 | EV-2781-9 | 2.0 | --- | P4 | D | 2500 | |
| XF86 | 2.5 | EV-9613-0 | 1.5 | --- | P4 | D | 1150 | |
| XF183 | 3.0 | EV-2781-9 | 2.8 | --- | P4 | C | 3200 | |
| XF184 | 3.0 | EV-2781-9 | 1.2 | --- | P4 | C | 4900 | |
| XL36 | 12.6 | HS-5048-0 | 11.0 | --- | P4 | C | 5000 | CAP = P. |
| XL84 | 7.5 | EV-2793-0 | 1.0 | --- | P4 | C | 5650 | TUBES INDICATING GAS# RETEST USING EV-1793-0. |
| XL86 | 7.5 | EV-2793-0 | 4.0 | --- | P4 | C | 4500 | |
| XL500 | 12.6 | EV-2078-0 | 16.0 | --- | P4 | C | 5000 | CAP = P. USE HICKOK ADAPTER SA-8 CODE NO. 1050-168. |
| XY88 | 20.0 | EV-0009-0 | 0.0 | 89 | P3 | G | ---- | CAP = P. REVERSE METER. NOTE 3. |
| YC95 | 3.0 | ET-2567-0 | 0.8 | --- | P4 | C | 6600 | |
| YC97 | 3.0 | ET-2501-6 | 1.4 | --- | P4 | C | 7000 | |
| YCC189 | 5.0 | EV-7608-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 1. |
| YCC189 | 5.0 | EV-2103-0 | 2.4 | --- | P4 | C | 7500 | TRIODE NO. 2. |
| YF183 | 4.3 | EV-2781-9 | 2.4 | --- | P4 | C | 3200 | |
| YF184 | 4.3 | EV-2781-9 | 1.2 | --- | P4 | C | 4900 | |
| YL84 | 10.0 | EV-2793-0 | 1.0 | --- | P4 | C | 5650 | TUBES INDICATING GAS#RE-TEST USING EV-1793-0 |
| YL1080 | 1.4 | EV-1670-3 | 1.0 | --- | P4 | D | 2200 | TETRUDE NO. 1. |
| YL1080 | 1.4 | EV-3870-1 | 1.0 | --- | P4 | D | 2200 | TETRUDE NO. 2. |
| YL1370 | 6.3 | HS-5031-8 | 10.5 | --- | P4 | C | 4400 | CAP=P. |
| YL1371 | 12.6 | HS-5031-8 | 10.5 | --- | P4 | C | 4400 | CAP=P. |
| YL1372 | 25.0 | HS-5031-8 | 10.5 | --- | P4 | C | 4400 | CAP=P. |
| Z63 | 6.3 | HS-0348-5 | 4.0 | --- | P4 | E | 770 | CAP = G. |
| Z77 | 6.3 | ET-1572-6 | 1.0 | --- | P4 | C | 3800 | |
| Z142 | 20.0 | JR-6257-4 | 0.5 | --- | P4 | C | 4600 | USE HICKOK ADAPTER SA-5, 1050-129 |
| Z150 | 6.3 | JR-6257-4 | 0.5 | --- | P4 | C | 4600 | USE HICKOK ADAPTER SA-5, 1050-129. |
| Z152 | 6.3 | EV-2781-9 | 0.5 | --- | P4 | C | 4500 | |
| Z719 | 6.3 | EV-2781-9 | 0.5 | --- | P4 | C | 4500 | |
| Z729 | 6.3 | EV-9613-8 | 1.5 | --- | P4 | D | 1150 | |
| ZD17 | 1.4 | BX-6540-0 | 1.0 | --- | P4 | E | 390 | PENTODE SECTION PLATE VOLTS = LOW. NOTE 6. |
| ZD17 | 1.4 | BX-0340-0 | 0.0 | --- | P1 | D | | DIODE SECTION. NOTES 3 & 6. |
| ZD152 | 6.3 | EV-2613-9 | 0.9 | --- | P4 | E | 1400 | PENTODE SECTION. |
| ZD152 | 6.3 | EV-2713-9 | 0.0 | --- | P1 | D | ---- | DIODE NO. 1. NOTE 3. |
| ZD152 | 6.3 | EV-2813-9 | 0.0 | --- | P1 | D | ---- | DIODE NO. 2. NOTE 3. |

ADAPTERS

for

TUBE TESTERS

As new tube types with new basing arrangements are developed, Hickok makes Adapters to accommodate them. These Adapters consist of the new bases which plug into a socket on your Tube Tester and thus enlarge its scope to the extent of the new basings. This Hickok policy greatly extends the useful life of your Tester. Consult the following list of Adapters with

their descriptions to determine which Adapter meets your requirements. Please order by both Model and Code number of the Adapter, as well as indicating the Model and Serial number of the Tube Tester with which the Adapter is to be used.

| Model No. | Code No. | |
|-----------|----------|---|
| CA-5 | 1050-164 | Adapter - Latest Tube Bases: This adapter provides tube test sockets for Compactrons, Novars, 5 and 7-pin Nuvisitors and the new 10-pin tubes, including Decals. Three selector switches provide selection of tube elements on the latest based tubes and a permanently attached lead provides for top cap tube connections. The adapter is supplied with a connecting cable terminating in a Noval plug which is plugged into the tube tester Noval test socket. |
| SA-1 | 1050-94 | Subminiature Adapter, with sockets for testing 7-pin inline and 8-pin round tube types on some early units of Models 539B, 539C, 580, 750, 752, 752A, 6000, 6000A and 6005 Tube Testers that were not supplied with these sockets on their panels, although most of the above Testers are equipped with these sockets. Check your particular Tester before ordering. |
| SA-2 | 1050-99 | Subminiature Adapter, with sockets for testing 7-pin inline and 8-pin round tube types on some early units of Models 533A, 600A, 800, 800A and 1575 Tube Testers that were not supplied with these sockets on their panels, although most of the above Testers are equipped with these sockets. Check your particular Tester before ordering. |
| SA-3 | 1050-127 | Nuvisor Adapter, for testing 5-pin Nuvisor tube types on all Hickok Tube Testers not supplied with this socket on the panel. NOTE: This socket is also on the CA-4, 1050-135 (and CA-5, 1050-164) Universal Adapters. If you have a Universal Adapter, this Nuvisor Adapter is unnecessary. |
| SA-4 | 1050-144 | Novar Adapter, for testing all Novar tube types on all Hickok Tube Testers not supplied with this socket on the panel. NOTE: This socket is also on the CA-4, 1050-135 (and CA-5, 1050-164) Universal Adapters. If you have a Universal Adapter, this Novar Adapter is unnecessary. |
| SA-5 | 1050-129 | Rimlock Adapter, for testing Foreign Rimlock tube types on all Hickok Tube Testers. |
| SA-6 | 1050-107 | Septar Adapter, for testing Septar tube types such as 829B, 832A, etc., on all Hickok Tube Testers. |
| SA-7 | 1050-9 | Acorn Adapter, for testing Acorn tube types on all Hickok Tube Testers not supplied with this socket on the panel. |
| SA-8 | 1050-168 | Magnoval Adapter, for testing Magnoval tube types on all Hickok Tube Testers not supplied with this socket. CAUTION: Any attempt to force a Magnoval tube type into a Novar socket (it can be done) will spread the pin contacts in the socket and render it permanently useless for testing Novar tube types. |
| SA-9 | 1050-121 | Pencil Tube Adapter, for testing Pencil tube types on all Hickok Tube Testers. |
| SA-11 | 1050-177 | Decal Adapter, for testing 10-pin Decal tube types on all Hickok Tube Testers not supplied with this socket on panel. The following list of early Hickok Tube Testers also require a CA-4, 1050-135, Universal Adapter be used in conjunction with this Adapter: Models 533A, 539B, 600A, 605A, 750, 752, 800, 1575, 6000 and 6005. |

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