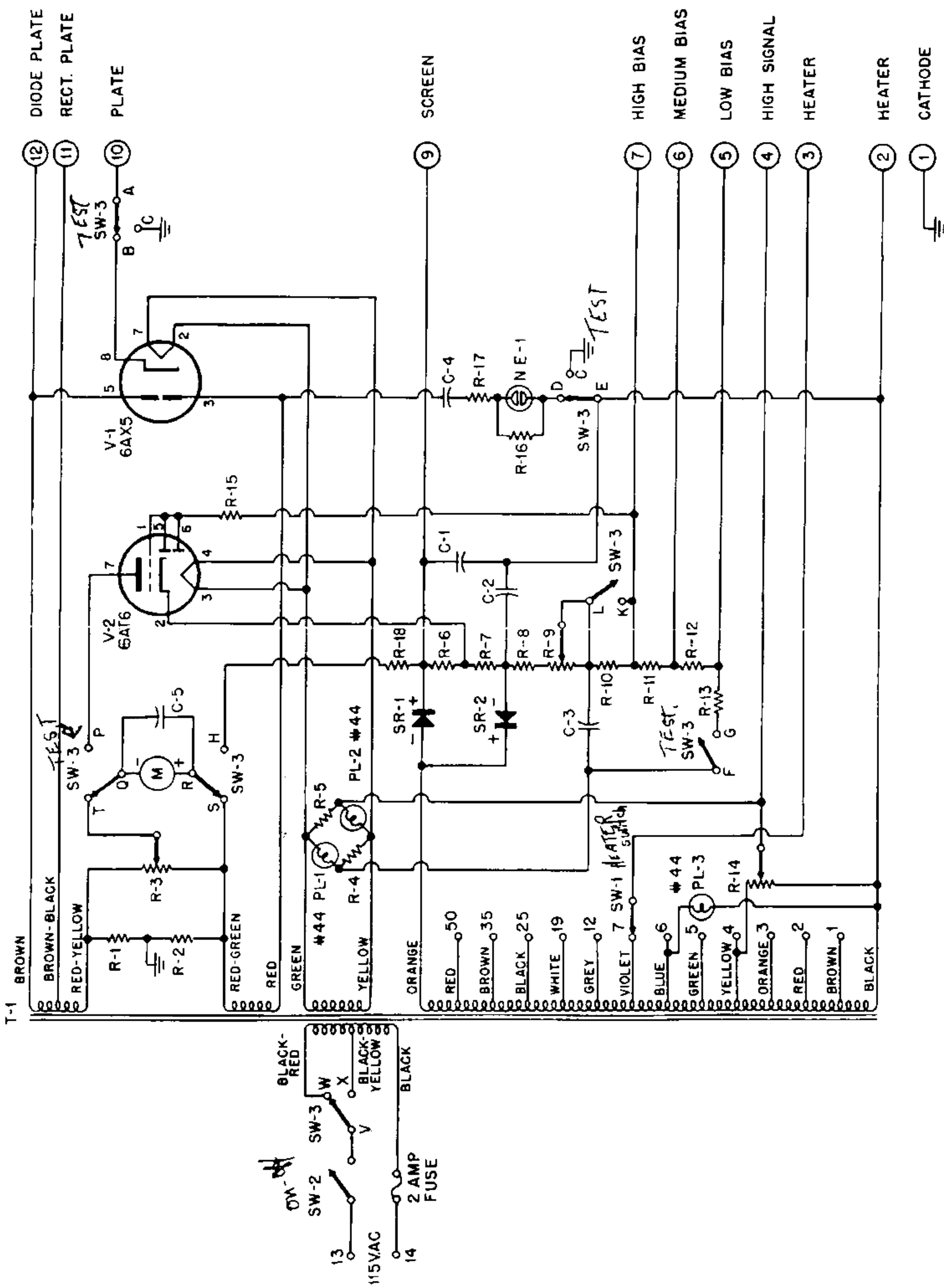


DYNA-QUIK MODEL 500 BRIDGE PANEL



The 500 manual does not contain calibration data. The 700, 707, and 747 have calibration pots for grid signal, DC bias, leakage, grid current (gas), and bridge balance. The procedure is similar for all models, and makes use of socket no.1 (6AU6 etc):

1. Grid signal: measure between pins 1 (grid) and ground (2 or 7): Set pot for 1.5VAC. The two #55 lamps should be glowing at equal brightness; these are part of a bridge circuit that holds the grid signal constant with line-voltage changes. B&K may have been the first to use this clever arrangement in a tube tester, though the principle is much older.
2. Grid bias: measure between pins 1 and 7, and set for -2.5VDC.
3. Leakage: connect a 1-megohm resistor between pins 2 and 4 (700) or 2 and 5 (747). Press the "Shorts" button and set the pot so that the shorts lamp just comes on.
4. Grid emission: Connect a 20 or 100 megohm resistor between pins 1 and 7 of socket no.1. Set the pot so that the meter reads 20 (700) or the reject point (747). A 100-megohm resistor can be used with the model 700 for a more sensitive test.
5. Bridge balance: connect a 10K 5W resistor between pins 2 and 5, and set the "Sensitivity" control to 100. Adjust the pot for zero meter reading.