General Description: A portable cassette tape recorder with three-waveband radio for use on battery or mains supply. Various versions of the radio section provide a choice of Long, Medium, Short, and V.H.F. wavebands, the tape recorder section being common to all options. Integrated circuits are used in the I.F. and A.F. stages. A.C. bias is used with D.C. erase.

Mains Supply: 117, 220V, 50Hz.

Battery: 6V internal or external.

Adjustments

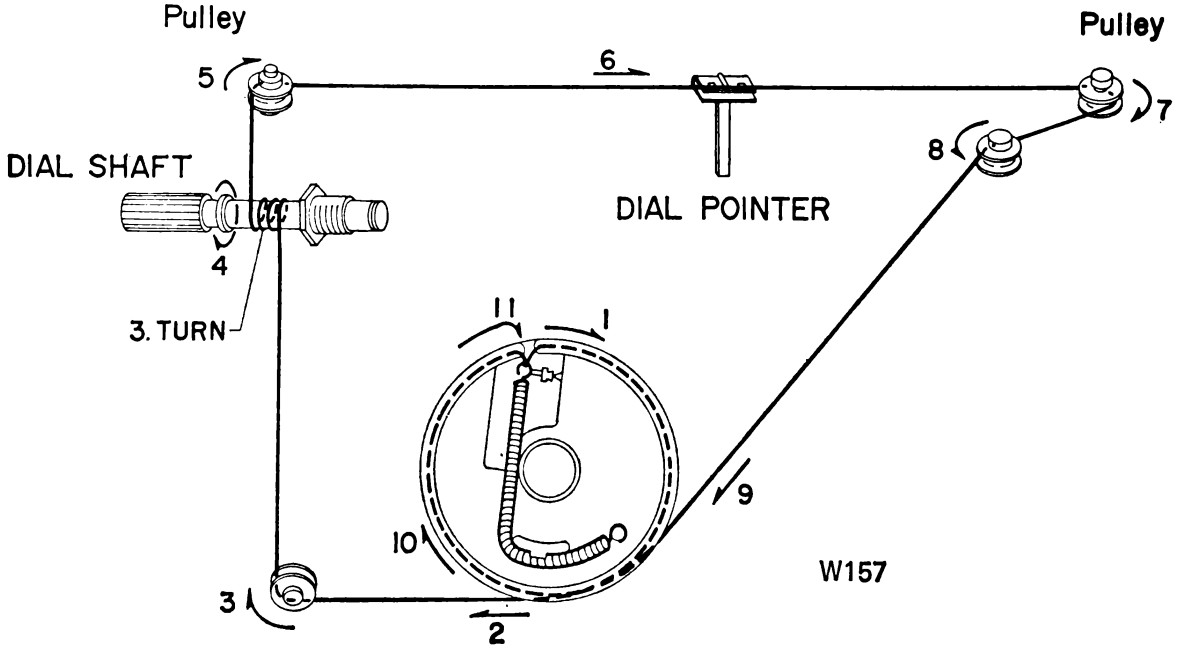
Tape Running: Load with a C120 cassette and set it for PLAY. Check if the tape threaded between the pinch roller and capstan is running either inclined towards the upper or lower side. If running inclined towards the upper side, slightly bend the pinch roller shaft towards the pushbutton controls. If inclined towards the lower side, bend the shaft towards the capstan.

Head Azimuth Adjustment: Use a standard 6·3kHz test tape. Connect an 8-Ω resistor to EAR output terminal and make fine adjustment of the head azimuth adjuster screw for maximum output as measured with VTVM across the 8-Ω resistor.

Note: Set Volume low enough so clipping does not result.

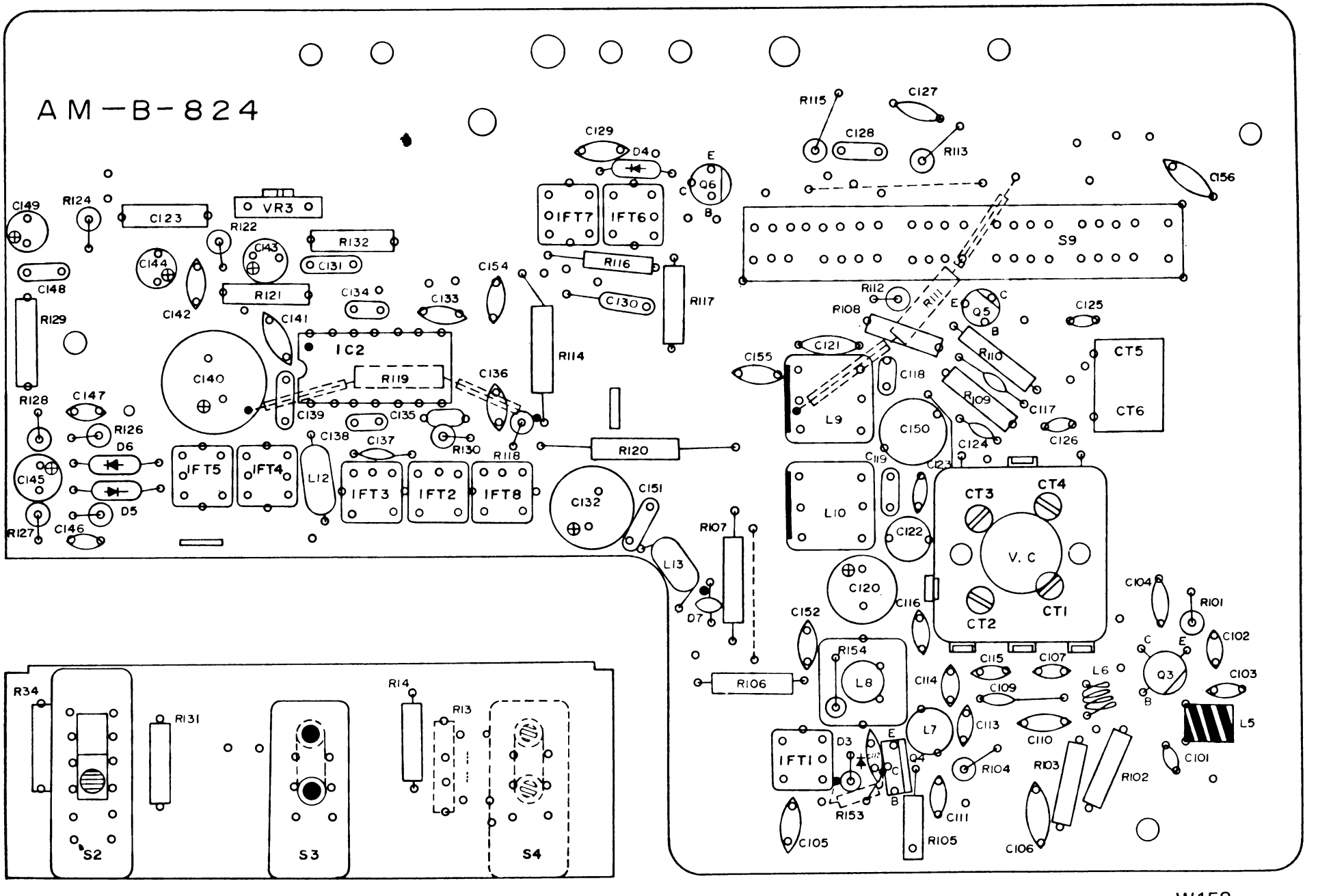
Bias Current Adjustment: Connect a 100-Ω carbon resistor in series to the earth side of the Record Head as shown.

Adjust VR3 until VTVM indicates 50mV. Record Bias current should be 500μA.

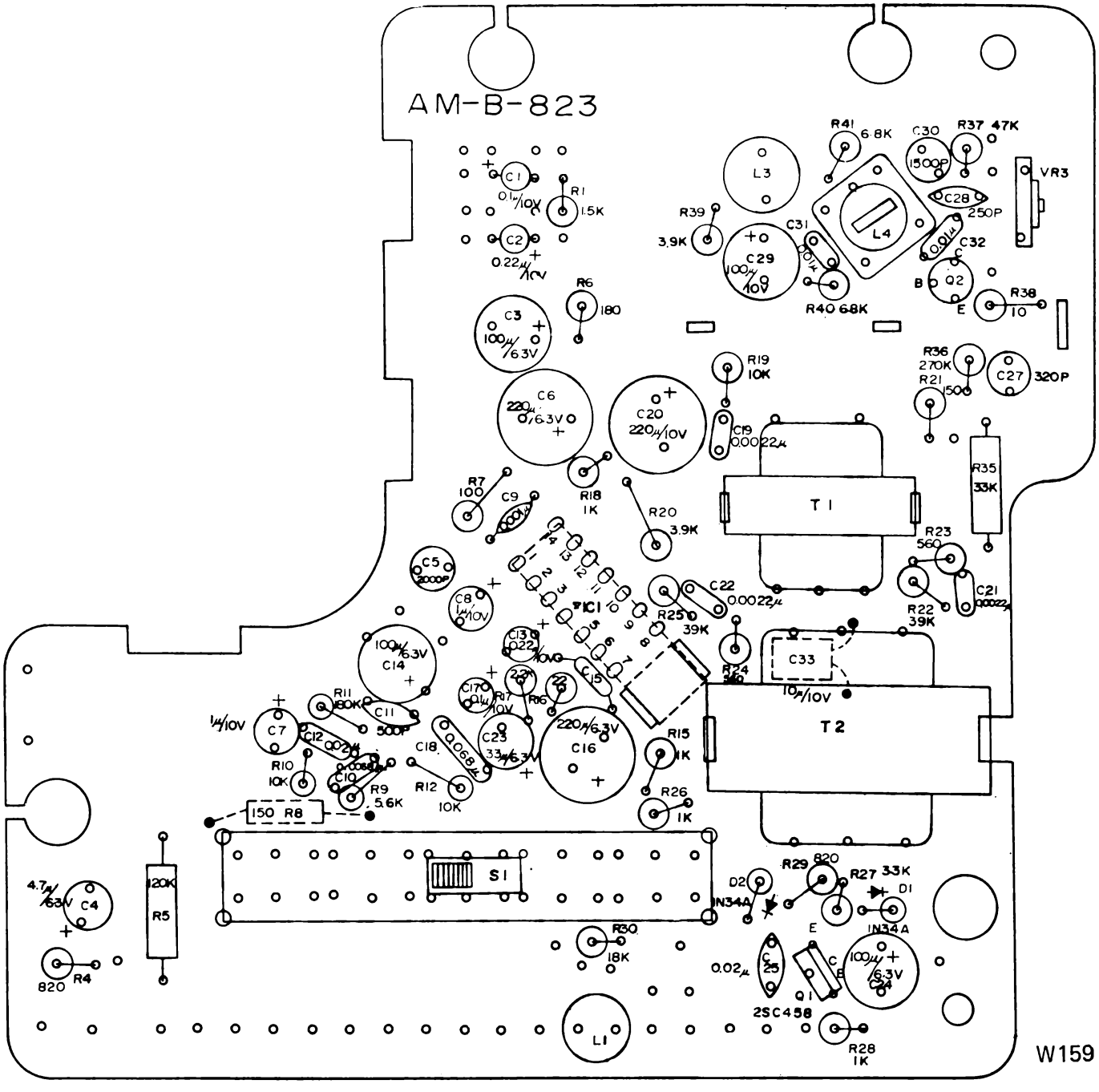


(W157) Drive Cord—Model CRC-435FW

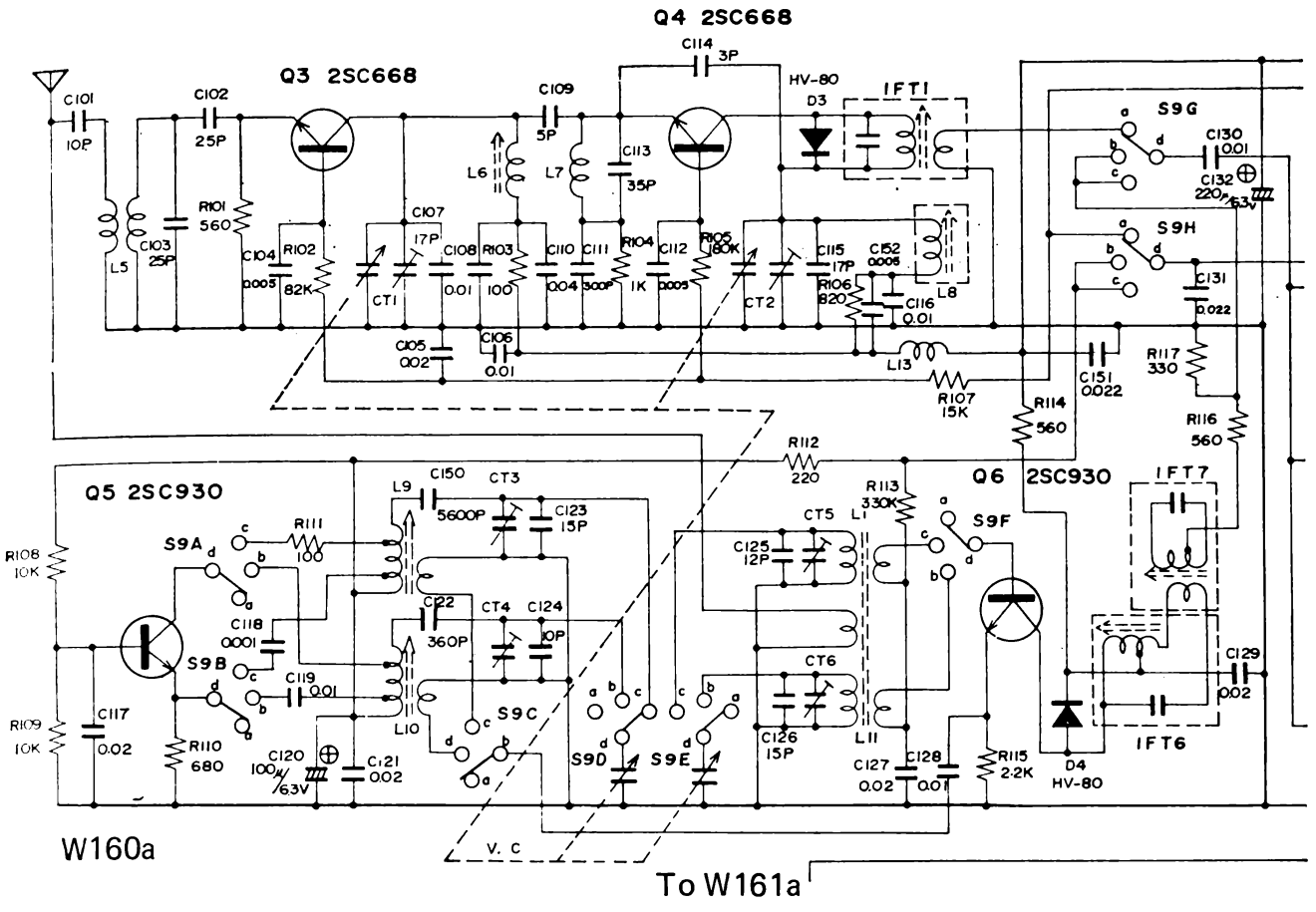
(W158) COMPONENT LAYOUT (RADIO PANEL)—MODEL CRC-435FW



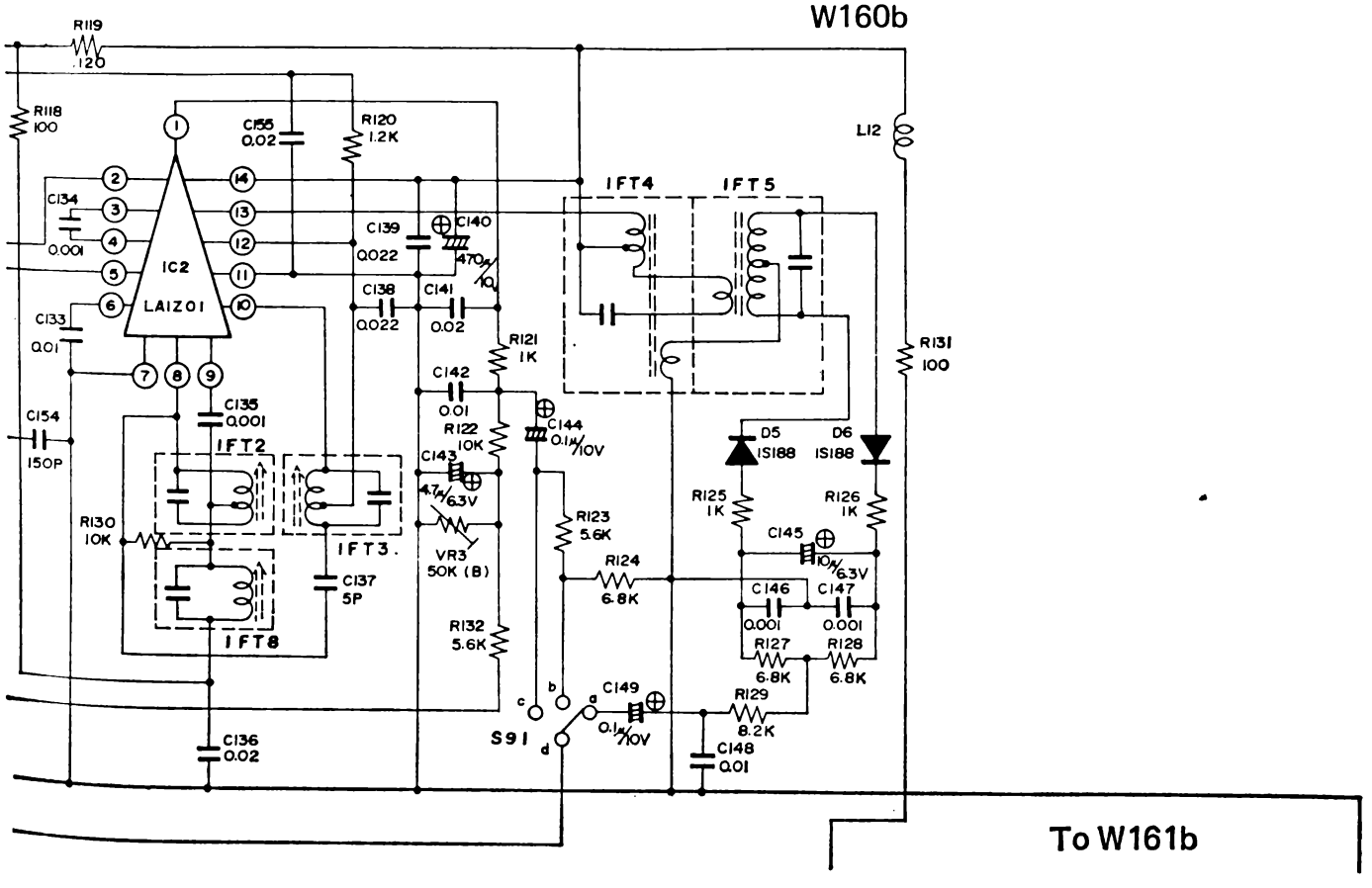
W158



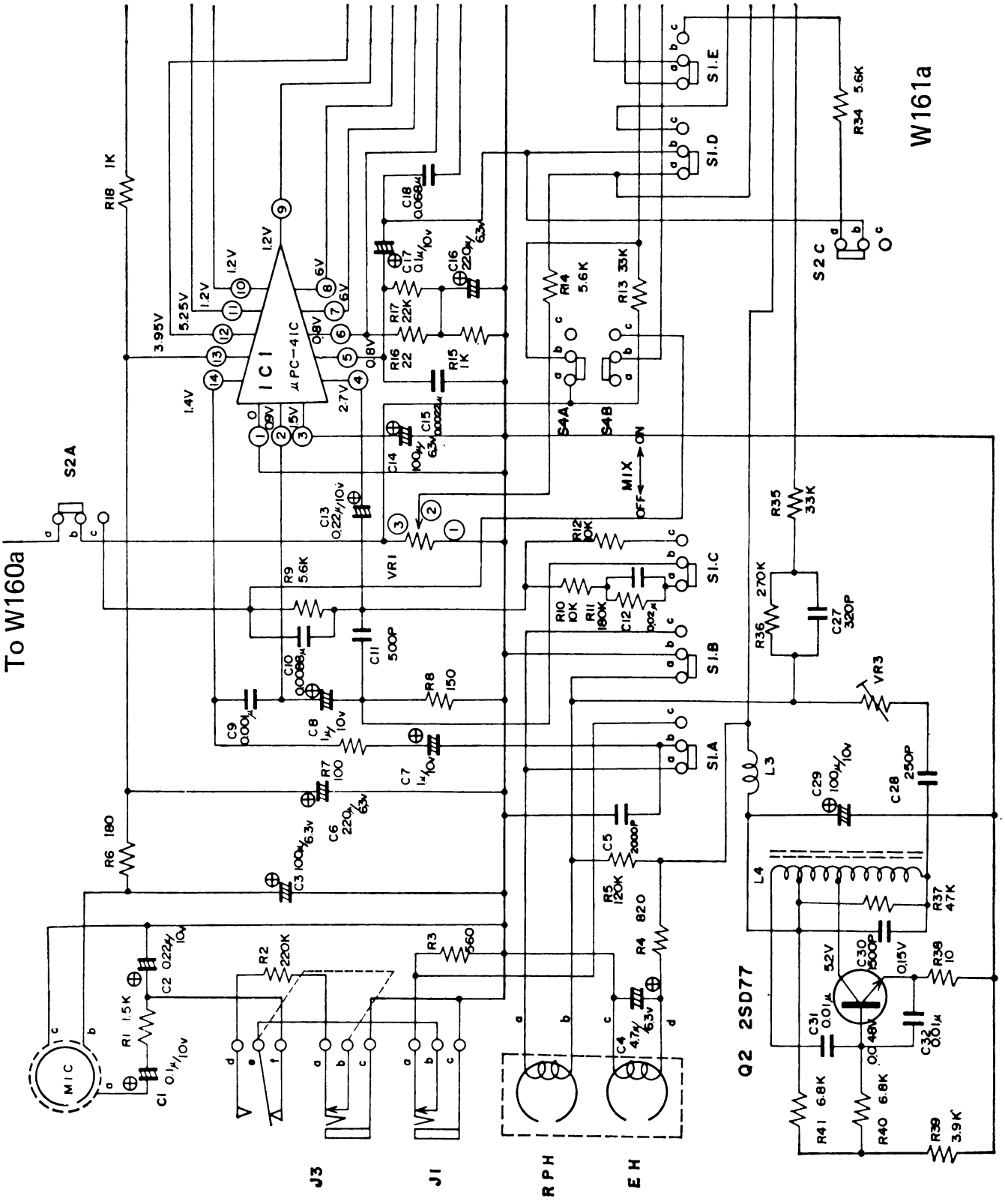
(W159) Component Layout (Audio Panel)—Model CRC-435FW



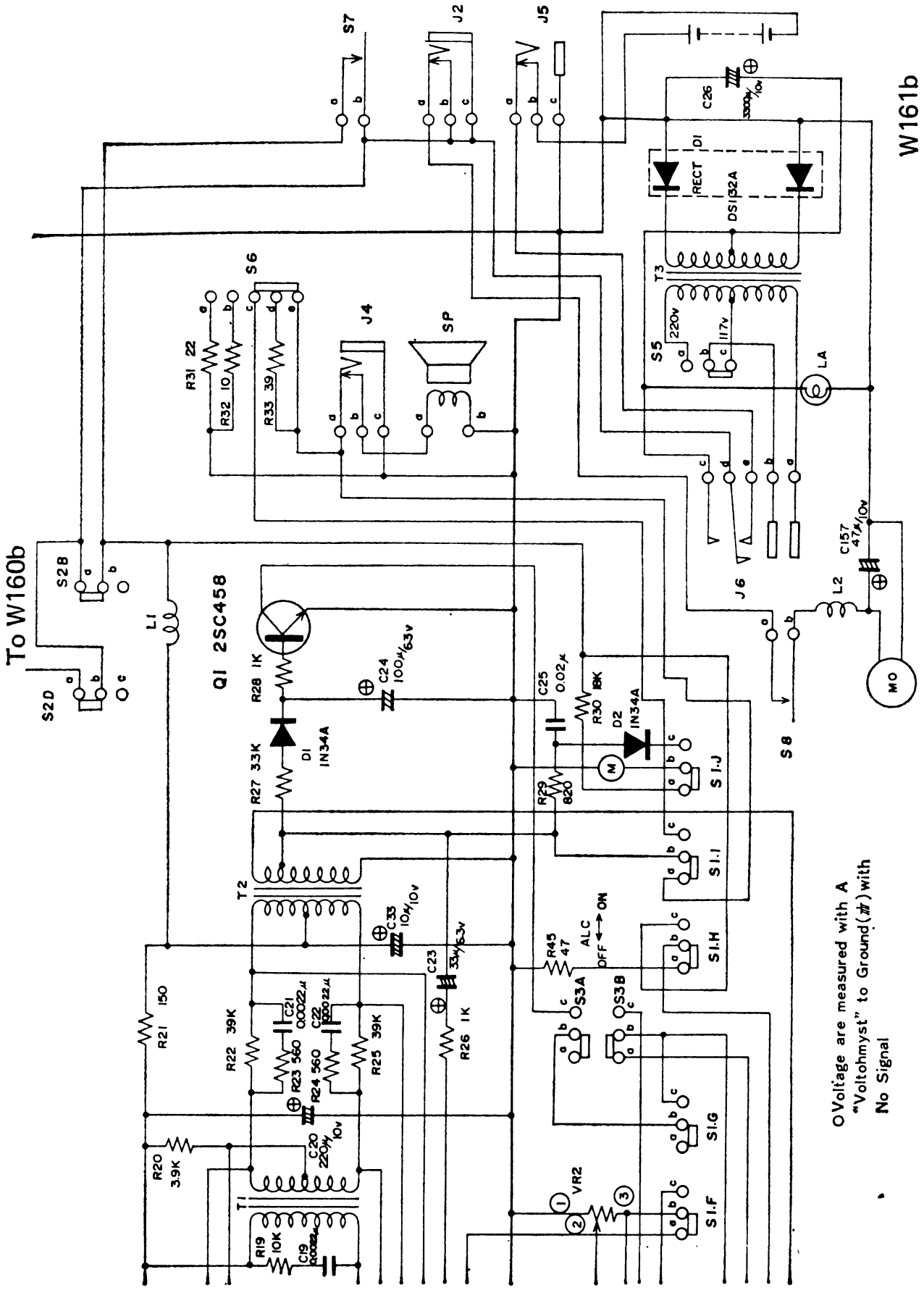
(W160a) Circuit Diagram (Radio Section)—Model CRC-435FW (*Part*)



(W160b) Circuit Diagram (Radio Section)—Model CRC-435FW (*Continued*)



(W161a) Circuit Diagram (Audio Section)—Model CRC-435FW (*Part*)



(W161b) Circuit Diagram (Audio Section)—Model CRC-435FW (*Continued*)