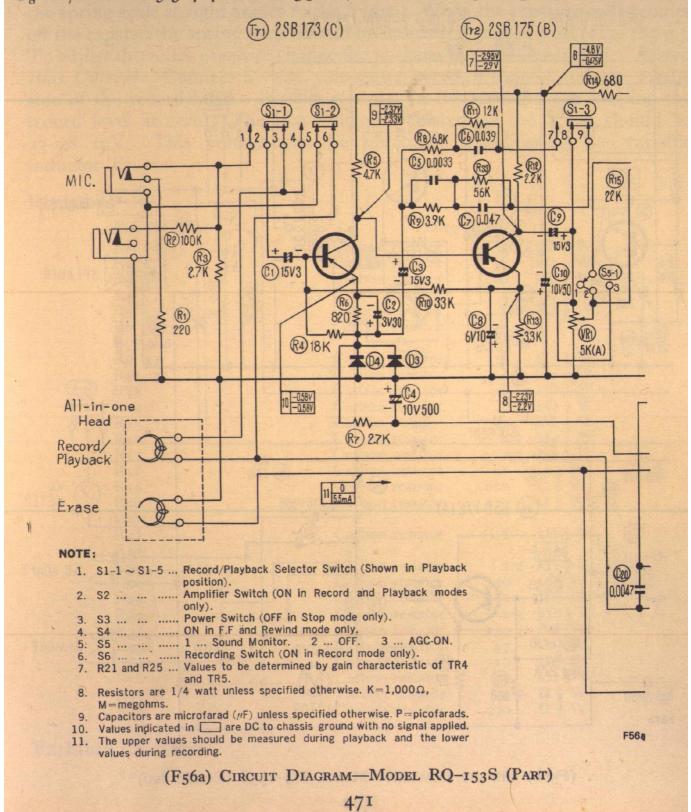
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Model RQ-153S

General Description: Six transistor battery portable tape recorder. Power output 500 mW. (700 mW. maximum). 30 kc/s. A.C. bias with D.C. erase. Frequency response 120–7000 c/s. at $3\frac{3}{4}$ in./sec. and 120–4000 c/s. at $1\frac{7}{8}$ in./sec. Input impedance: microphone 2.7 k Ω ; auxiliary 100 k Ω . Extension loudspeaker impedance 8 ohms.

Adjustments: Pressure Roller Shaft tension should be 5.6-7.8 ozs. at 17/8 in./sec. and 5.3-7.4 ozs. at 33/4 in./sec. Winding torque 0.28-0.42 ozs.



Tape pad pressure 0.53-1.1 ozs.

Record Bias Current: Place a 100-ohm resistor in the earthy lead of the record/playback head. Using a valve volt-meter check that the voltage across the 100-ohm resistor is 0.065-0.11 volts. If the voltage is not within the above range, correct by adjusting T3. The frequency must be in the range of 25-35 kc/s.

Erase Current: Connect a D.C. milliammeter in the earthy lead of the

erase head. Erase current should be 5.35-7.5 mA.

Maintenance and Cleaning: The procedures for Model RQ-113S (in this volume) apply.

