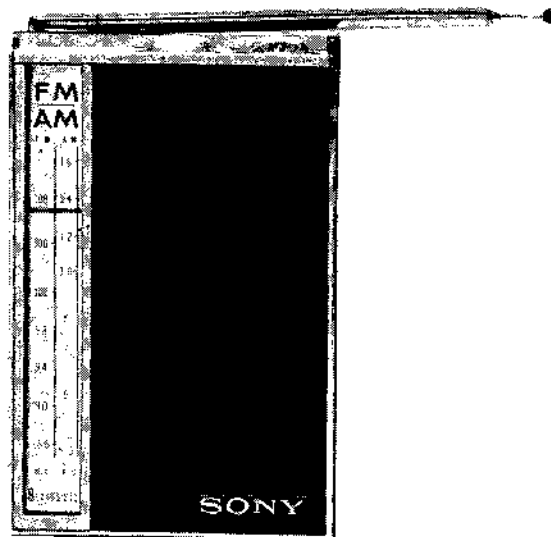


SONY® Transistor Radio Circuits

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Specifications

Circuit :	8 Transistor Superheterodyne
Frequency Coverage :	MW 530~1,605 Kc (566~187 m) FM 86.5~108 Mc (3.53~2.78 m)
Intermediate Frequency :	MW 455 Kc FM 10.7 Mc
Antenna System :	MW Built-in Ferrite Bar Antenna FM Built-in Telescopic Antenna Auxiliary Antenna
Maximum Sensitivity :	MW 42 dB (125 μ V/m) (at 10 mW output) FM 15 dB (5.6 μ V/m)
Selectivity :	MW 23 dB at 10 Kc off resonance, at 1,400 Kc
Output Power :	120 mW (undistorted)
Current Drain :	7 mA (MW), 10 mA (FM) at zero signal, 32 mA at 120 mW output
Speaker :	3" \times 2" (7.5 \times 5 cm) PM dynamic, 8 Ω
Battery :	Eveready 216 (BL-006P) or Equivalent (9 V)
Dimensions :	4-7/16" \times 2-7/8" \times 1-5/16" (113 \times 73 \times 34 mm)
Weight :	0.8 lbs. (0.38 Kg.)

Adjustments

a) Frequency Coverage Adjustment

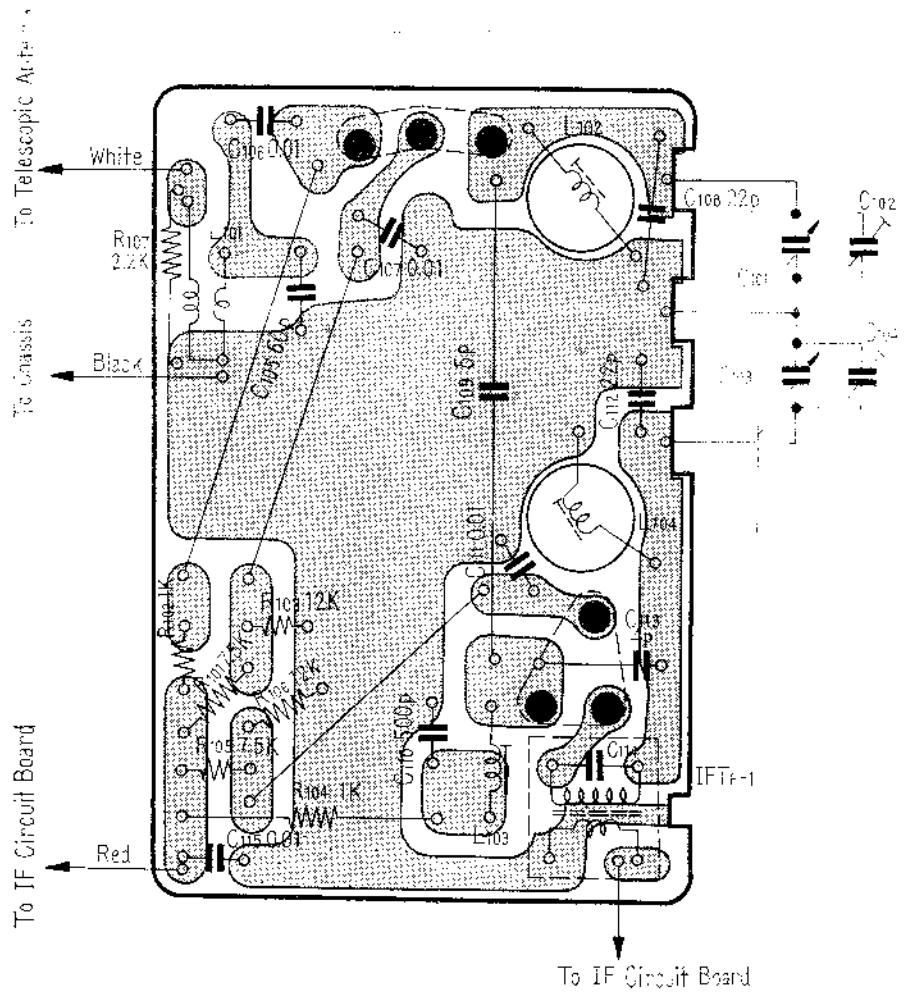
	Lower Limit	Adjust	Upper Limit	Adjust
FM	85.5 Mc	Core and Gap of FM OSC Coil (L ₁₀₁)	109.5 Mc	FM OSC Trimmer (C ₁₀₁)
MW	520 Kc	Core of MW OSC Coil (L ₂₀₂)	1,680 Kc	MW OSC Trimmer (C ₂₀₁)

b) Tracking Adjustment

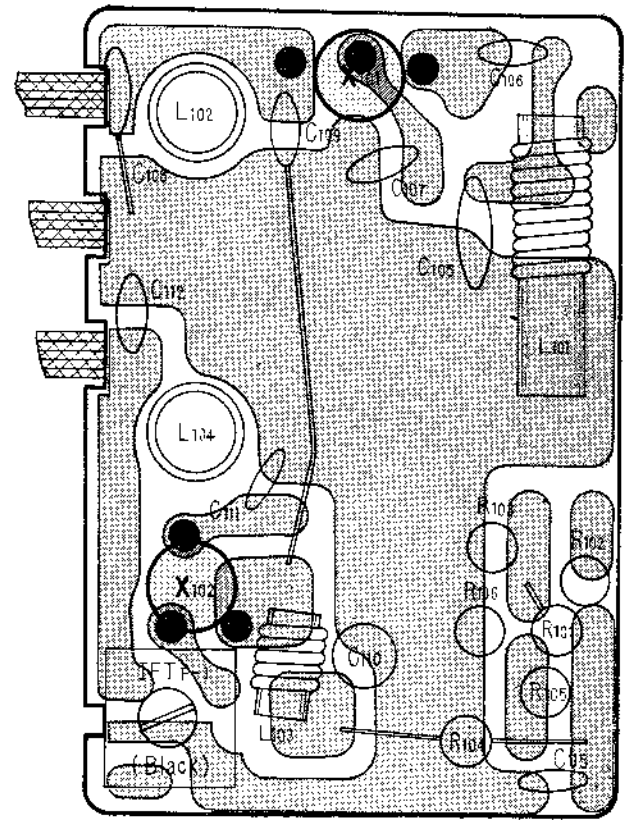
	Lower Checking Point	Adjust	Upper Checking Point	Adjust
FM	85.5 Mc	Core and Gap of FM RF Coil (L ₁₀₂)	109.5 Mc	FM RF Trimmer (C ₁₀₂)
MW	620 Kc	Position of MW ANT Coil (L ₂₀₁)	1,400 Kc	MW ANT Trimmer (C ₂₀₂)

Mounting Diagram

Tune Section

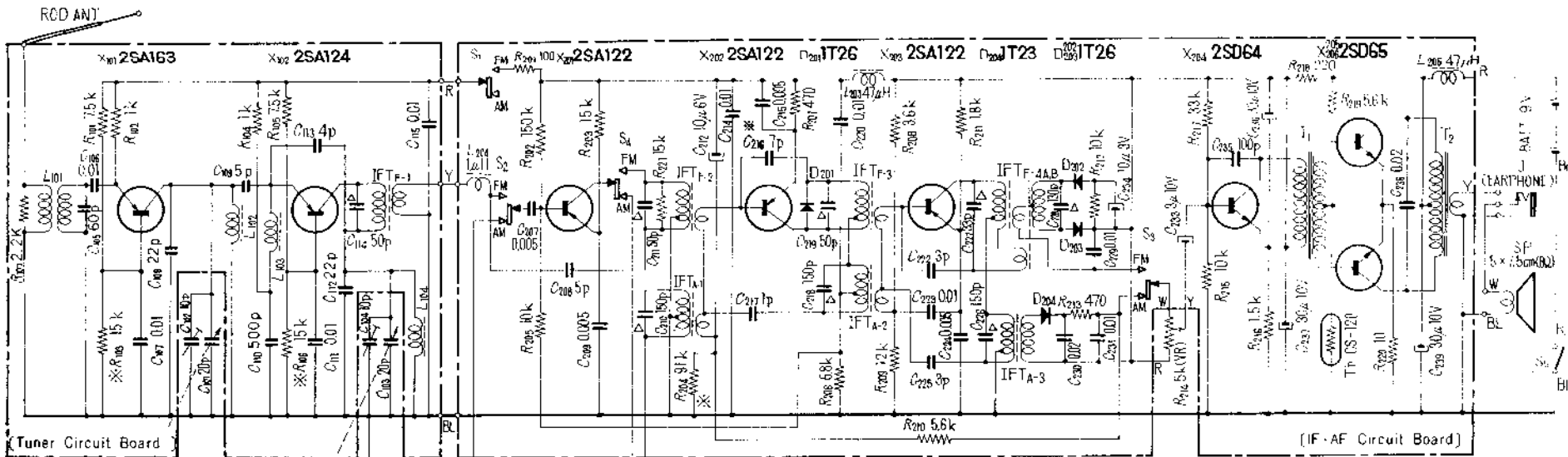


- Parts Side -



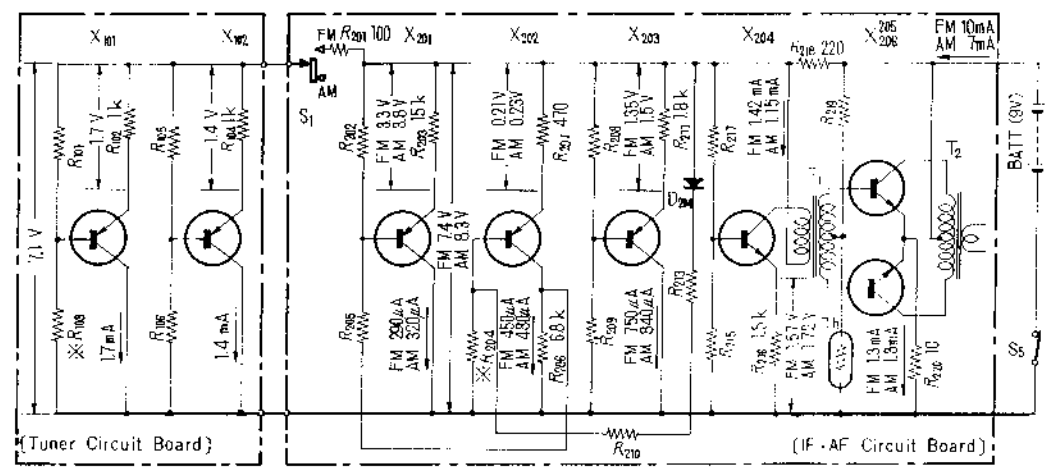
Schematic Diagram

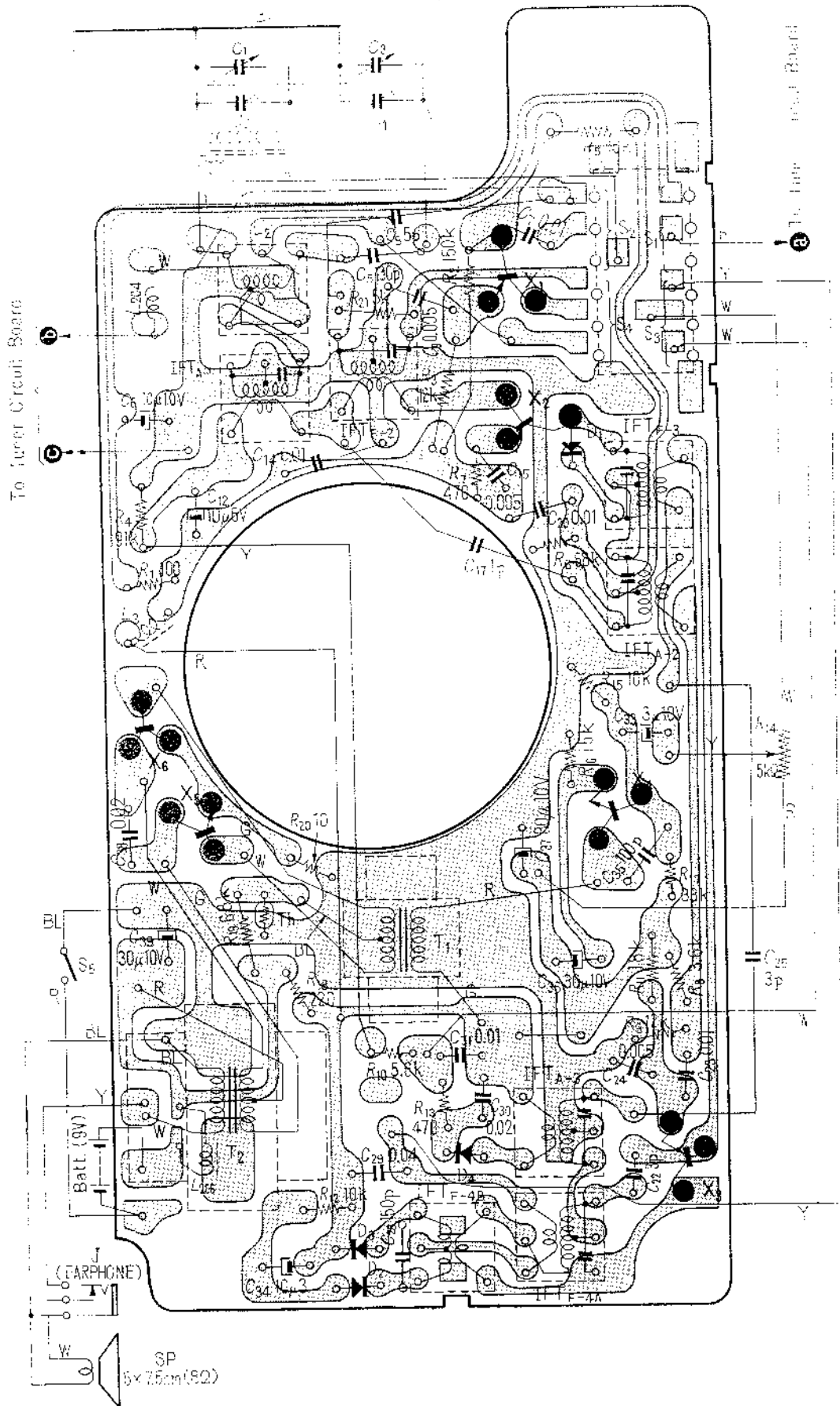
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CZOLW



Voltage and Current Distribution Chart at Zero Signal

* To be adjusted
Capacitors marked with Δ are built in relative IF Transformers.





Mounting Diagram

IF-AF Section

