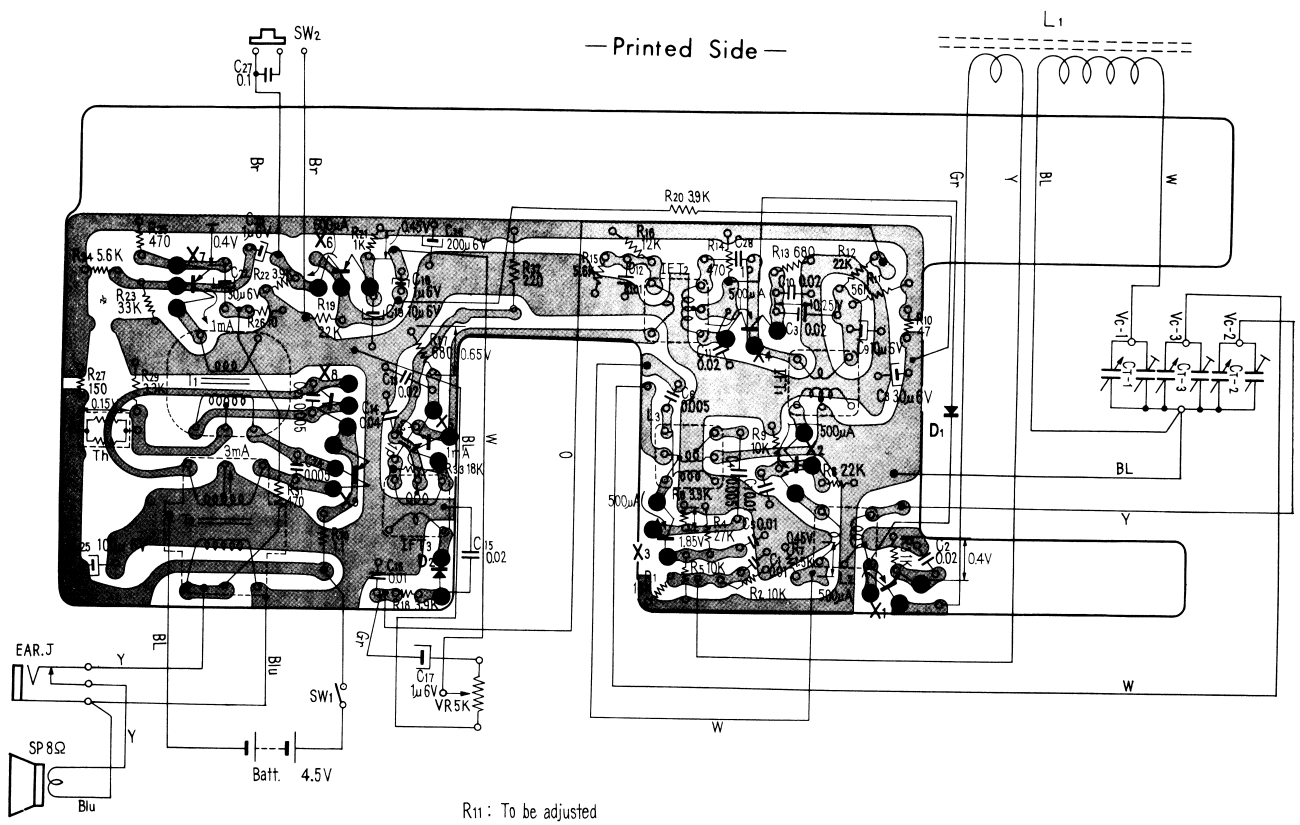
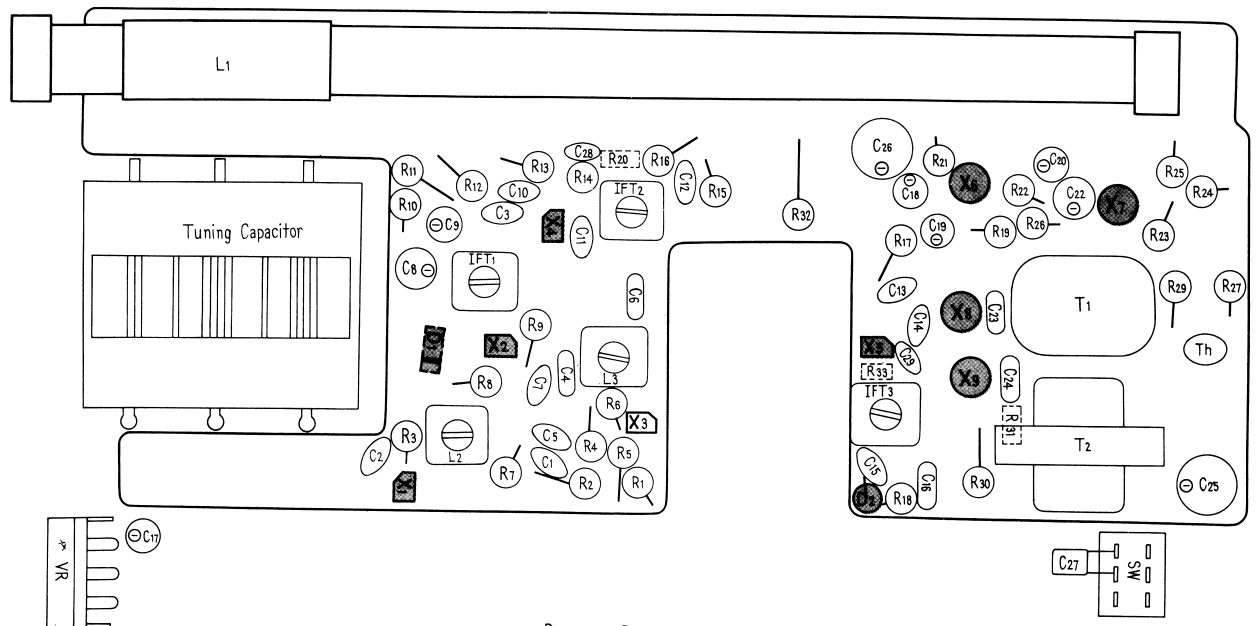


— Printed Side —

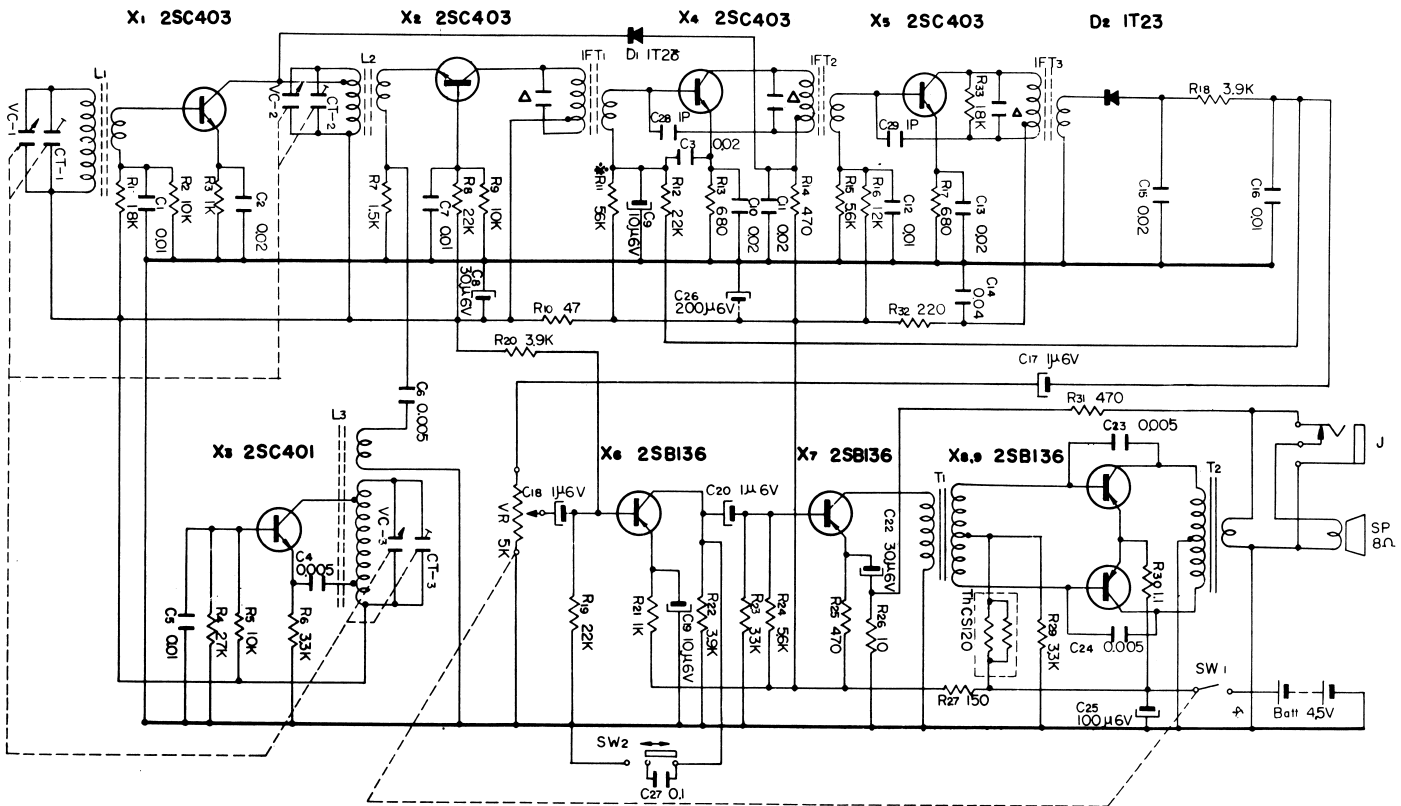


R11: To be adjusted
 C15: To be soldered at parts side
 R20, 31, 33, D1: Mounted on the printed side

— Parts Side —



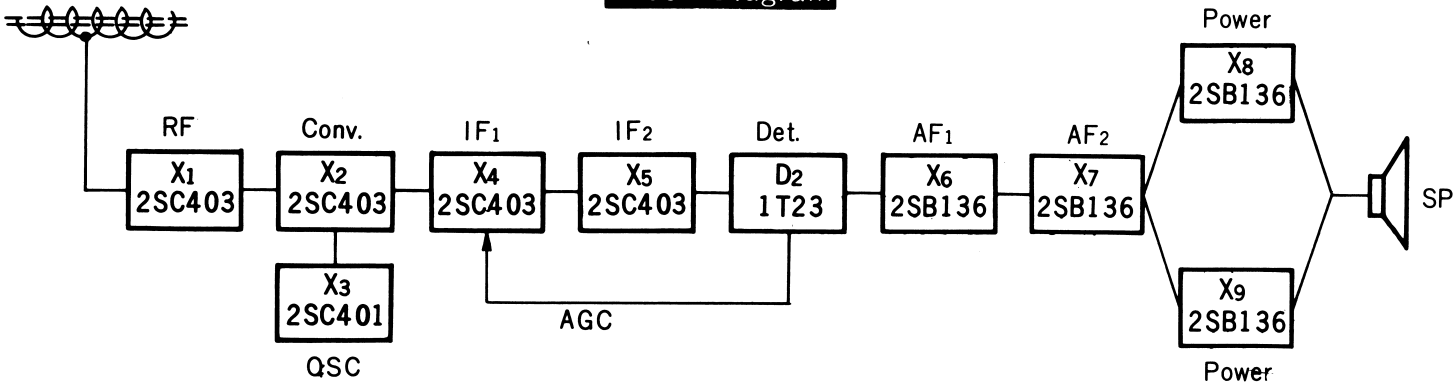
R20, 31, 33, D1: Mounted on the printed side.



△ Built in IFT
 * To be adjusted

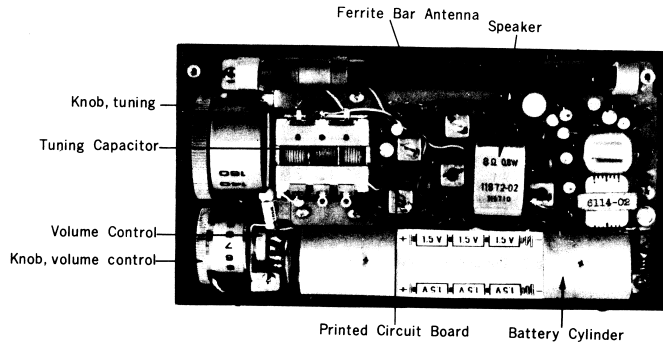
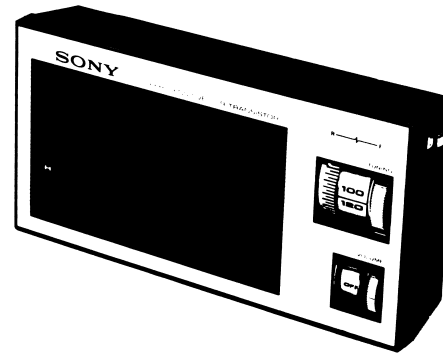
Ferrite Bar Antenna

Block Diagram



Removal of Circuit Board

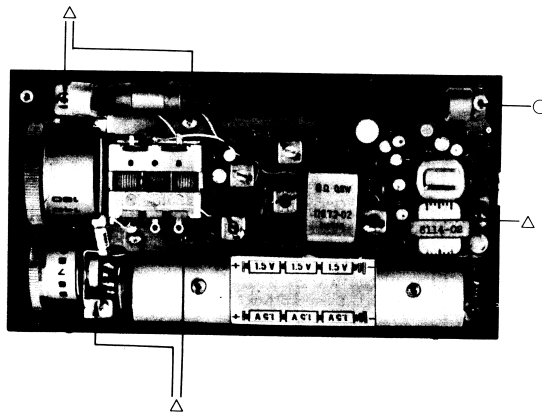
- (1) Remove the two Back Cover Holding Screws to remove the Back Cover.
- (2) Remove the five Screws marked with Δ shown in Fig. 2.
- (3) Remove the Boss marked with \circ shown in Fig. 2.
- (4) Remove the Earphone Jack Nut.
- (5) Unsolder the Red Lead at the Volume Control coming from the Battery Positive Contact Plate.
- (6) Unsolder the Black Lead at the Battery Negative Spring.
- (7) Unsolder the two Brown Leads at the Circuit Board coming from the Tone Control Switch.
- (8) Remove the Circuit Board from the Cabinet gently.



(Fig.1)

Specifications

- Circuit:** 9 Transistor Superheterodyne
- Frequency Coverage:** 530~1,605 Kc (566~187 m)
- Intermediate Frequency:** 455 Kc
- Antenna System:** Built-in Ferrite Bar Antenna
- Maximum Sensitivity:** 40 μ V/m (at 50 mW output)
- Selectivity:** 20 dB at 10 Kc off resonance at 1,400 Kc
- Power Output:** 230 mW (undistorted)
400 mW (maximum)
- Current Drain:** 12 mA at zero signal, 130 mA at 400 mW output
- Speaker:** 3 $\frac{1}{2}$ " (90 mm), PM dynamic 8 Ω
- Power Source:** Three "C" Size Flashlight Batteries, 4.5 V in total
- Dimensions:** 8 $\frac{1}{4}$ " (W) x 4 $\frac{3}{8}$ " (H) x 1 $\frac{3}{8}$ " (D)
(210 x 110 x 50) mm
- Weight:** 1 lbs. 13 ozs. (822 gs)



(Fig. 2)

Frequency Coverage and Tracking Adjustment

Adj. Item	SSG (Standard Signal Generator) Coupling	SSG Freq.	Receiver Dial Setting	Connect VTVM	Adjust	Remarks
Frequency Coverage	Loop Antenna	520 Kc (1000 c/s 30% AM)	Fully downwards	Across 8 Ω Load Resistor	OSC Coil (L ₁)	Adjust for maximum Meter reading Volume Control: MAX Tone Control: HIGH Power Supply: DC 4.5V
		1,680 Kc (")	Fully upwards		OSC Trimmer (C ₇)	
Tracking	—ditto—	620 Kc (")	Tune to 620Kc signal	—ditto—	ANT Coil (L ₁) RF Coil (L ₂)	—ditto—
		1,400 Kc (")	Tune to 1,400Kc signal		ANT Trimmer (C ₁) RF Trimmer (C ₂)	