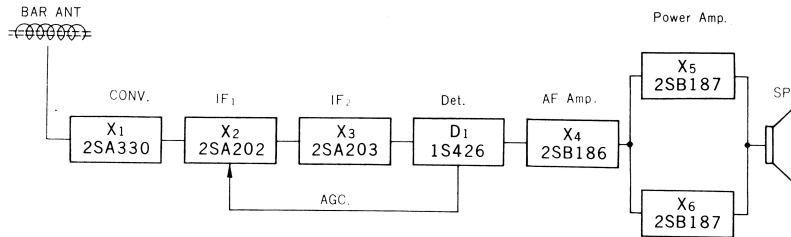


Block Diagram

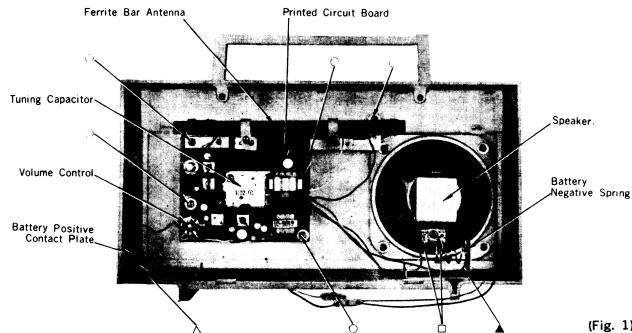


Frequency Coverage and Tracking Adjustment

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 MOD)	Fully Left	Across 8Ω Load Resistor	OSC Coil (L ₁)	Adjust for maximum deflection Volume Control: MAX. Power Supply: DC 6V
		1680 Kc (" ")	Fully Right		OSC Trimmer (C ₁)	
Tracking	—ditto—	620 Kc (" ")	Tune to 620Kc signal	—ditto—	ANT Coil (L ₁)	—ditto—
		1400 Kc (" ")	Tune to 1400Kc signal		ANT Trimmer (C ₁)	

Removal of Chassis

- (1) Remove the two Back Cover Holding Screws to remove the Back Cover.
- (2) Remove the Tuning Knob and Volume Control Knob by pulling them straight out.
- (3) Remove the five Screws marked with ○ shown in Fig. 1.
- (4) Unsolder the two leads (a white and a black) at the speaker marked with □ shown in Fig. 1.
- (5) Unsolder the Red lead at the Battery Positive Contact Plate marked with △ shown in Fig. 1.
- (6) Unsolder the Black lead at the Battery Negative Spring marked with ▲ shown in Fig. 1.



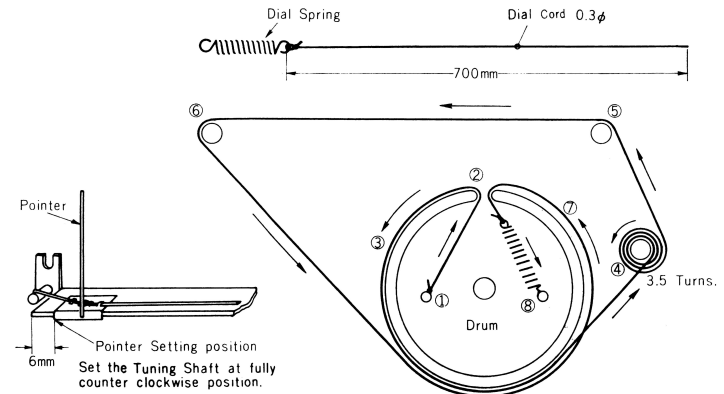
(Fig. 1)



Specifications

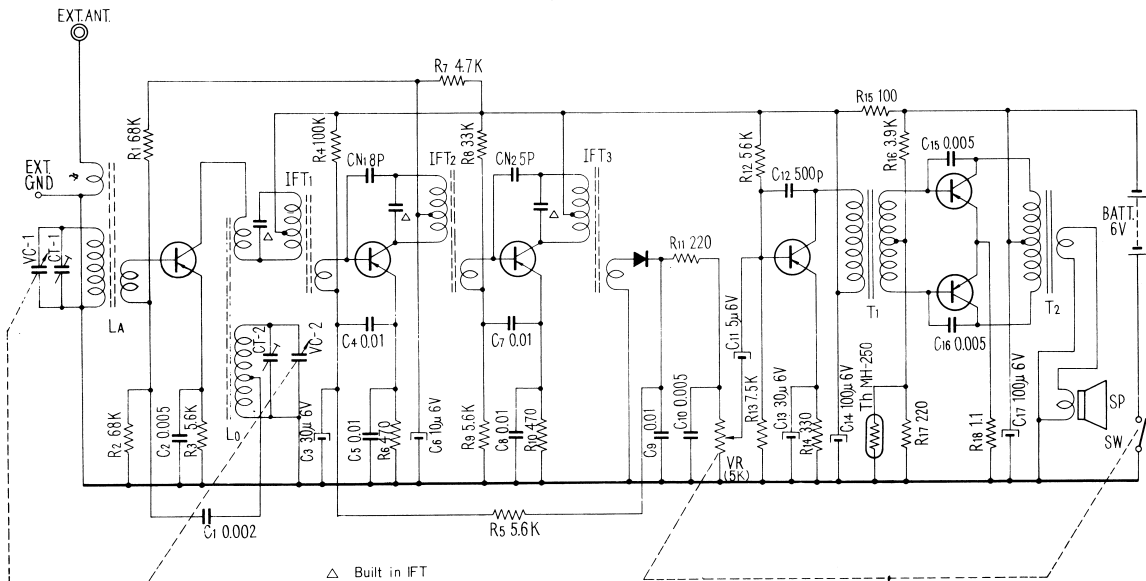
Circuit:	6 Transistor Superheterodyne
Frequency Coverage:	530~1,605 Kc (556~187 m)
Antenna System:	Built-in Ferrite Bar Antenna
Intermediate Frequency:	455 Kc
Maximum Sensitivity:	34μV/m
(At 50 mW Output)	
Selectivity:	20 dB at 10 Kc off resonance at 1,400 Kc
Output Power:	400 mW (undistorted) 600 mW (maximum)
Current Drain:	8 mA at zero signal, 145 mA at 600 mA output
Speaker:	4" (10cm) PM dynamic, 8Ω
Power Source:	4 "D" size Flashlight Batteries 6V in total
Dimensions:	11-15/16 (W) × 6-1/8 (H) × 3-3/4" (D) (303 × 155 × 95 mm)
Weight:	2 lbs. 15 ozs. (1.33 Kgs)

To String the Dial Cord



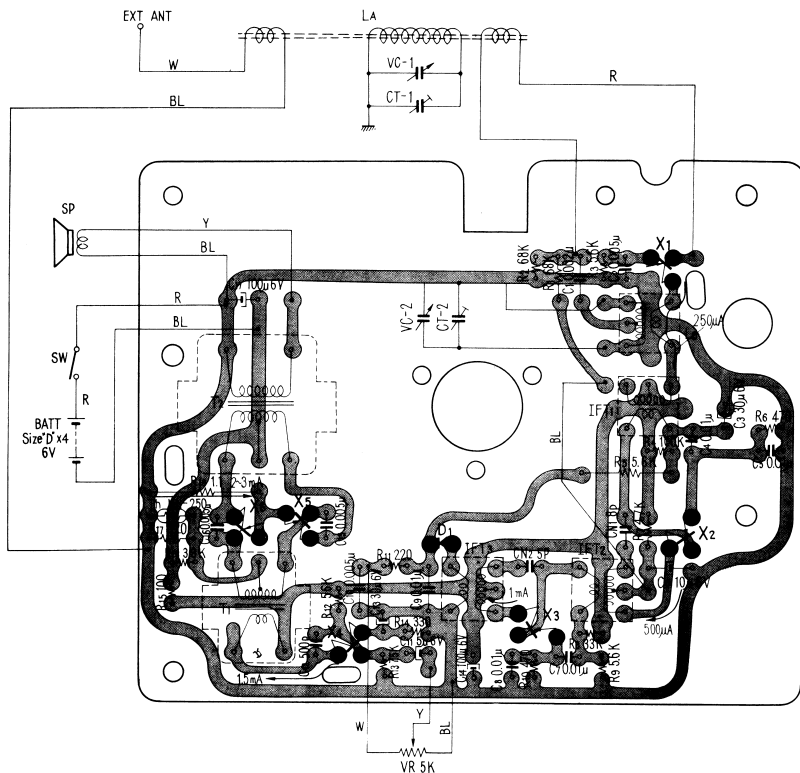
Correction for Servicing Guide 8R-42

X₁ 2SA330 X₂ 2SA202 X₃ 2SA203 D₁ 1S426 X₄ 2SB186 X_{5,6} 2SB187 × 2



Mounting Diagram

—Printed Side—



SONY MODEL 8R-42

S15-1