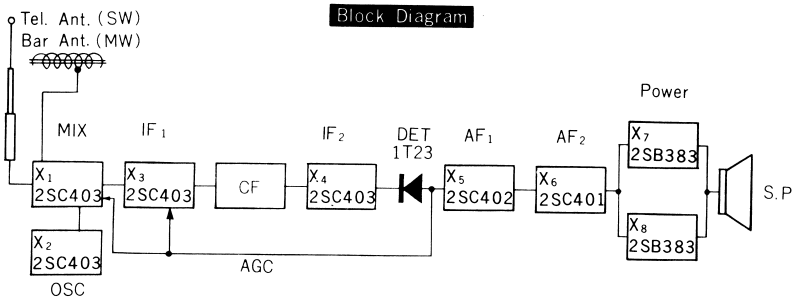
SONY MODEL 7R-79

Block Diagram



Removal of Chassis

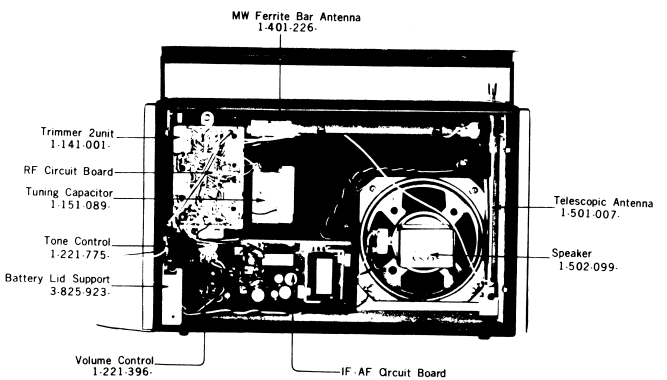
(1) Remove the two Back Cover Holding Screws to remove the Back Cover.
(2) Remove the Tuning, Fine Tuning, Band Selector, Volume Control, and Tone Control Knobs by pulling them straight out.
(3) Remove the two Battery Negative Contact Plate Holding Screws.
(4) Remove the Battery Negative Contact Plate with Battery Cylinder.
(5) Remove the four Chassis Holding Screws marked with ○ shown in Fig. 2.
(6) Unsolder the White Lead at the Telescopic Antenna Terminal.
(7) Unsolder the three Leads at the speaker.
(8) Unsolder the Red Lead at the Battery Lid Support.
(9) Take out the Chassis from the Cabinet gently taking care not to cut the Leads.

Removal of RF Circuit Board

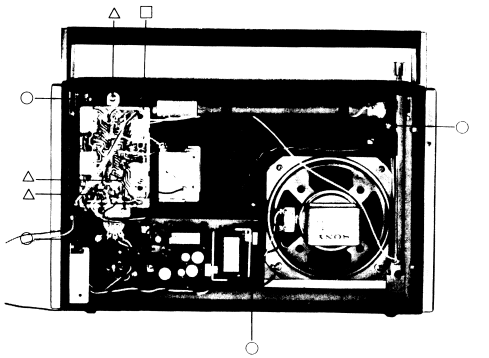
(1) Remove the three Screws marked with △ shown in Fig. 2.
(2) Unsolder the three Leads at the Tuning Capacitor coming from the RF Circuit Board.
(3) Unsolder the four Leads at the RF Circuit Board coming from the IF·AF Circuit Board.
(4) Unsolder the Black Lead marked with □ shown in Fig. 2.
(5) Take out the RF Circuit Board from the Chassis gently taking care not to cut the Leads.

Removal of IF–AF Circuit Board

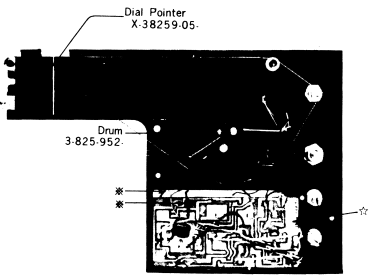
(1) Remove the IF·AF Circuit Board Holding Screw marked with ☆ shown in Fig. 3.
(2) Unsolder the two Leads (a White and an Yellow) at the Tone Control.
(3) Unsolder the four Leads at the IF·AF Circuit Board coming from the Volume Control.
(4) Unsolder the two Leads marked with ※ shown in Fig. 3.



(Fig. 1)

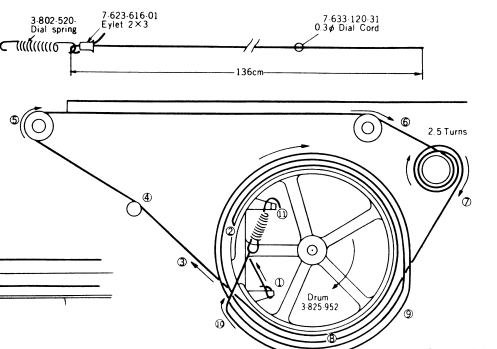


(Fig. 2)



(Fig. 3)

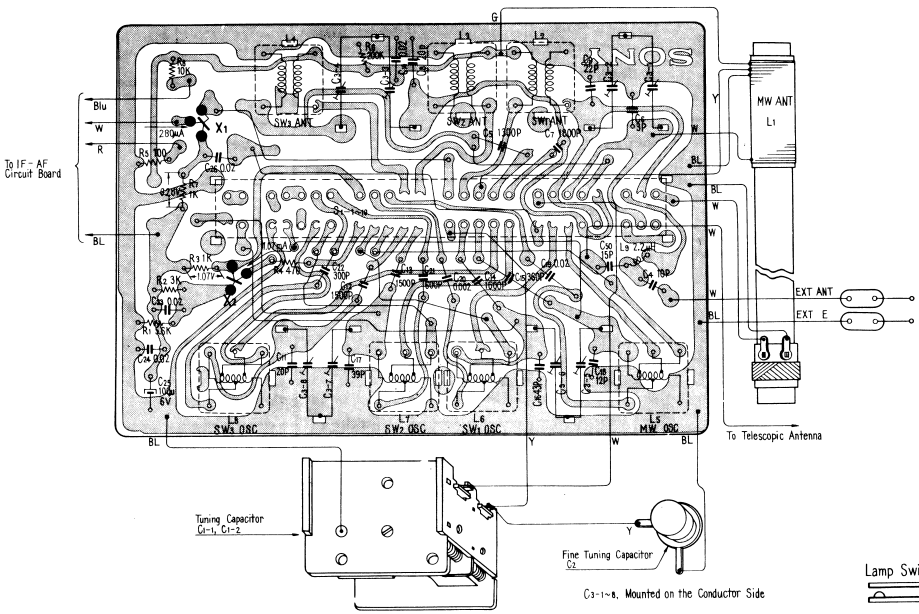
Dial Cord Stringing



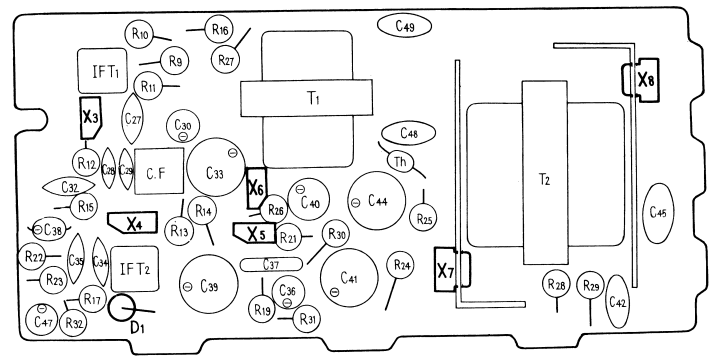
Tuning Drum at fully Clockwise

S11-1 SONY MODEL 7R-79

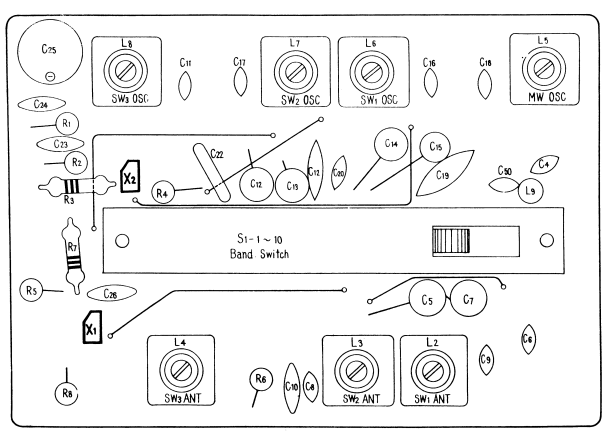
Mounting Diagram
RF Circuit Board
-- Conductor Side --



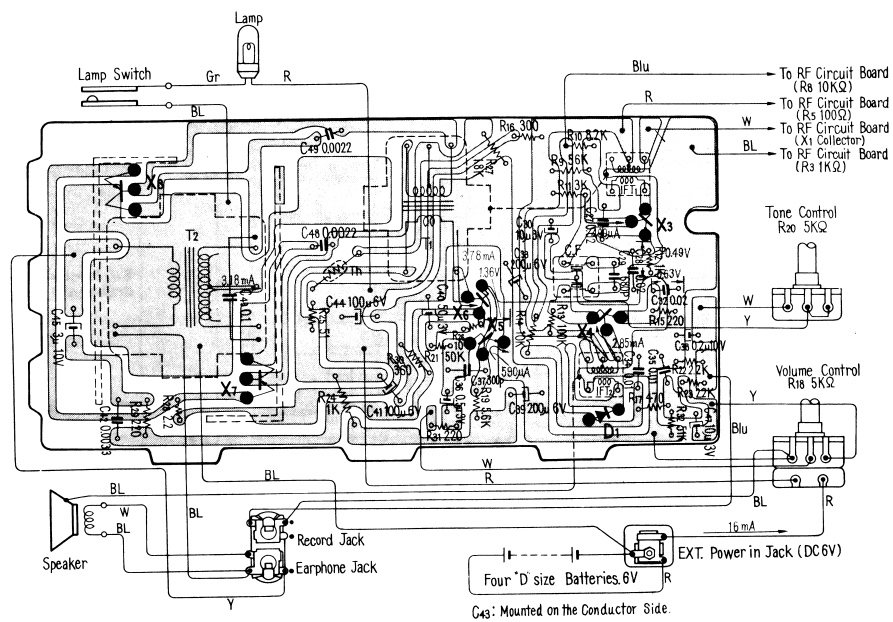
-- Components Side --

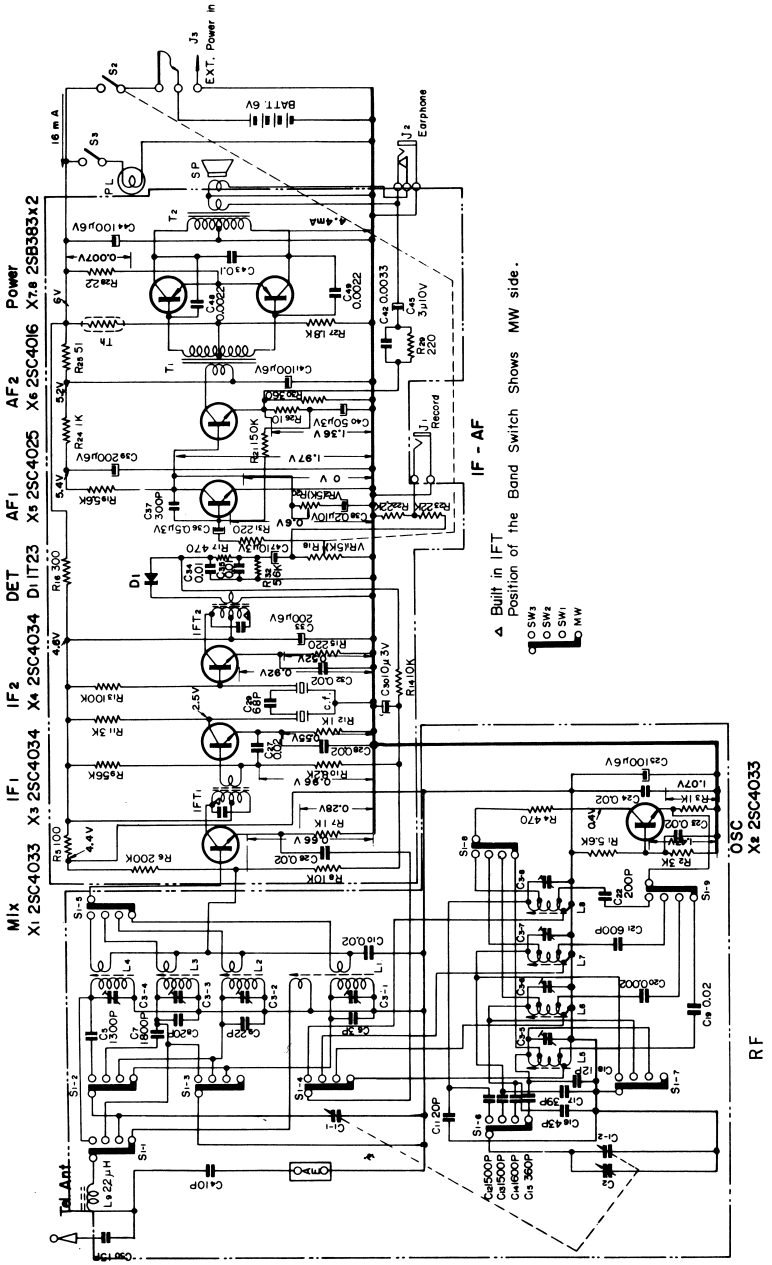


- Components Side -



Mounting Diagram
IF-AF Circuit Board
— Conductor Side —





Frequency Coverage and Tracking Adjustment

Adju. Item	SSG (Standard Signal Generator) Coupling	SSG Freq.	Receiver Dial Setting	Connect VTVM	Adjust	Remarks
MW Frequency Coverage	Loop Antenna	520 Kc (1000 c/s 30% AM)	Fully Left	Across 8Ω Load Resistor	MW OSC Coil (L_9)	Adjust for maximum meter reading. Fine Tuning: Set the slit mark on the Fine Tuning Knob in the vertical direction. Volume: Max. Tone: High Power supply: DC 6V
		1,680 Kc (〃)	Fully Right		MW OSC Trimmer (C_{3-9})	
MW Tracking	—ditto—	620 Kc (〃)	Tune to 620 Kc Signal	—ditto—	MW ANT Coil (L_1)	—ditto—
		1,400 Kc (〃)	Tune to 1,400Kc Signal		MW ANT Trimmer (C_{3-1})	
SW_1 Frequency Coverage	Dummy Antenna SSG 10P Rec	1.65 Mc (〃)	Fully Left	—ditto—	SW_1 OSC Coil (L_8)	—ditto—
		4.1 Mc (〃)	Fully Right		SW_1 OSC Trimmer (C_{3-8})	
SW_1 Tracking	—ditto—	1.65 Mc (〃)	Tune to 1.65Mc Signal	—ditto—	SW_1 ANT Coil (L_2)	—ditto—
		4.1 Mc (〃)	Tune to 4.1 Mc Signal		SW_1 ANT Trimmer (C_{3-2})	
SW_2 Frequency Coverage	—ditto—	3.95 Mc (〃)	Fully Left	—ditto—	SW_2 OSC Coil (L_7)	—ditto—
		9.2 Mc ( )	Fully Right		SW_2 OSC Trimmer (C_{3-7})	
SW_2 Tracking	—ditto—	3.95 Mc (〃)	Tune to 3.95 Mc Signal	—ditto—	SW_2 ANT Coil (L_3)	—ditto—
		9.2 Mc (〃)	Tune to 9.2 Mc Signal		SW_2 ANT Trimmer (C_{3-3})	
SW_3 Frequency Coverage	—ditto—	8.6 Mc (〃)	Fully Left	—ditto—	SW_3 OSC Coil (L_6)	—ditto—
		22.8 Mc (〃)	Fully Right		SW_3 OSC Trimmer (C_{3-6})	
SW_3 Tracking	—ditto—	8.6 Mc (〃)	Tune to 8.6 Mc Signal	—ditto—	SW_3 ANT Coil (L_4)	—ditto—
		22.8 Mc ( )	Tune to 22.8 Mc Signal		SW_3 ANT Trimmer (C_{3-4})	

* Dummy Antenna (SW)

Unsolder the White Lead at the Telescopic Antenna Terminal.

Connect the SSG to the White Lead and ground of the receiver through the Dummy Antenna.