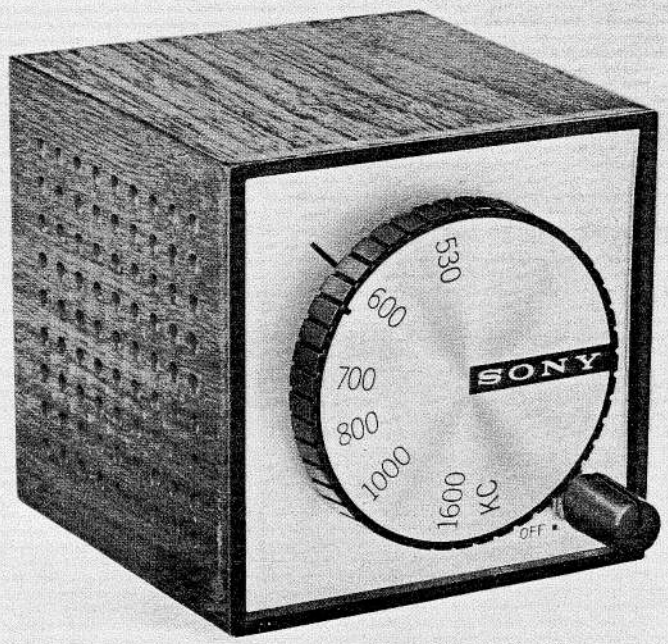
TR-1819

Serial No. 308,001 and After



Specifications

Circuit:	6 Transistor Superheterodyne
Frequency Coverage:	530~1,605 Kc (566~187 m)
Intermediate Frequency:	455 Kc
Antenna System:	Built-in Ferrite Bar Antenna
Maximum Sensitivity: (at 10 mW output)	40 dB (100μV/m)
Selectivity:	23 dB at 10 Kc off resonance, at 1,400 Kc
Output Power:	130 mW (undistorted) 200 mW (maximum)
Current Drain:	12 mA at zero signal, 73 mA at 130 mW output
Speaker:	2¾" (7 cm), PM dynamic, 8Ω
Power Source:	Three Size "AA or Z" Penlight Batteries (4.5 Volts in total)
Dimensions:	3⅝×3⅝×3¼" (84×84×82 mm)
Weight:	0.77 lb. (350 g.)

SONY®

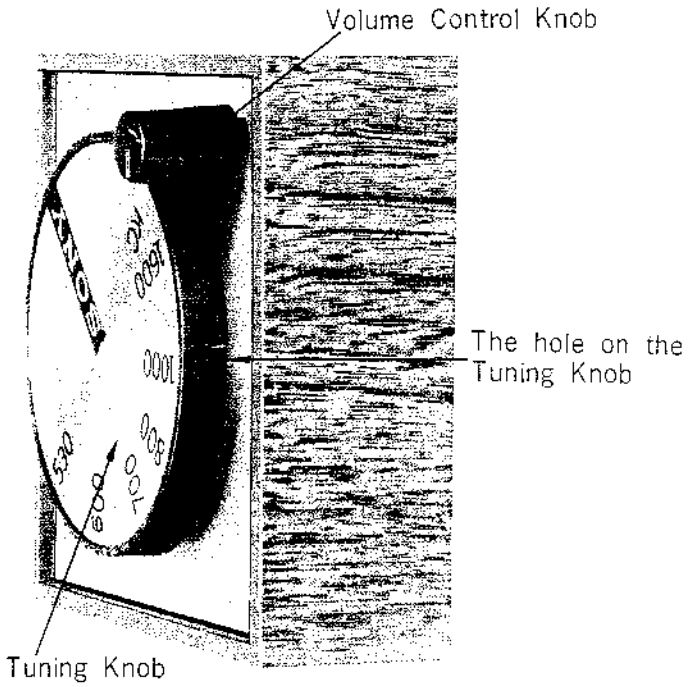
SERVICING GUIDE

Removal of Chassis

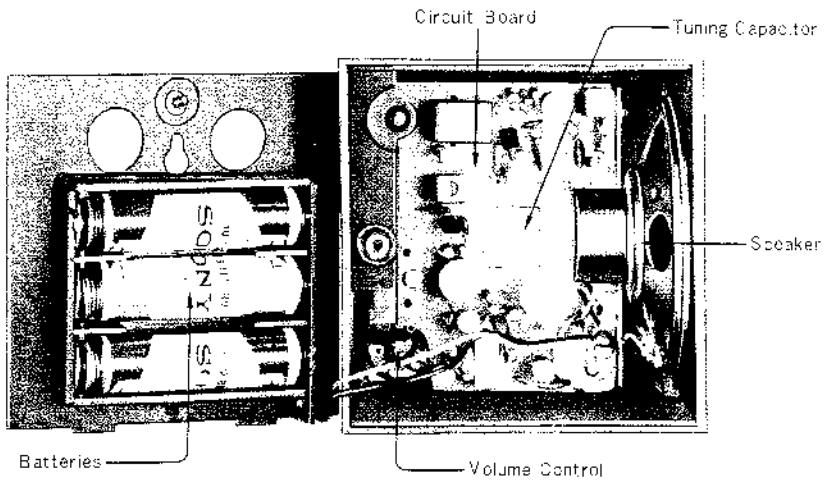
(1) Remove the Volume Control Knob by pulling it straight out.
(2) Remove the Tuning Knob by unscrewing the Screw which can be seen through the hole on the Tuning Knob shown in Fig. 1.
(3) Remove the three Chassis Holding Screws on the front side of the Cabinet.
(4) Remove the Back Cover Holding Screw.
(5) Pull the Speaker out toward you to remove it.
(6) Remove the Chassis from the Cabinet gently taking care not to cut the leads.

Removal of Circuit Board

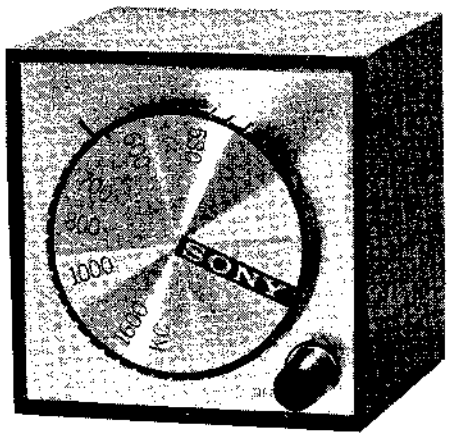
(1) Remove the Screw at the Circuit Board.
(2) Remove the two Tuning Capacitor Holding Screws.



(Fig. 1)



(Fig. 2)



Specifications

Circuit :	6 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 dB (100 μV/m)
(at 10 mW output)	
Selectivity :	23 dB at 10 Kc off resonance, at 1,400 Kc
Output Power :	130 mW (undistorted)
	200 mW (maximum)
Current Drain :	12 mA at zero signal, 73 mA at 130 mW output
Speaker :	2-3/4" (7 cm), PM dynamic, 8 Ω
Power Source :	Three Size "AA or 2" Penlight Batteries
	(4.5 Volts in total)
Dimensions :	3-5/16" × 3-5/16" × 3-1/4"
	(84 × 84 × 82 mm)
Weight :	0.77 lb. (350 g)

Adjustments

a) Frequency Coverage Adjustment

Lower Limit	Adjust	Upper Limit	Adjust
520 Kc	Core of OSC Coil (L_5)	1,680 Kc	OSC Trimmer (C_{6-5})

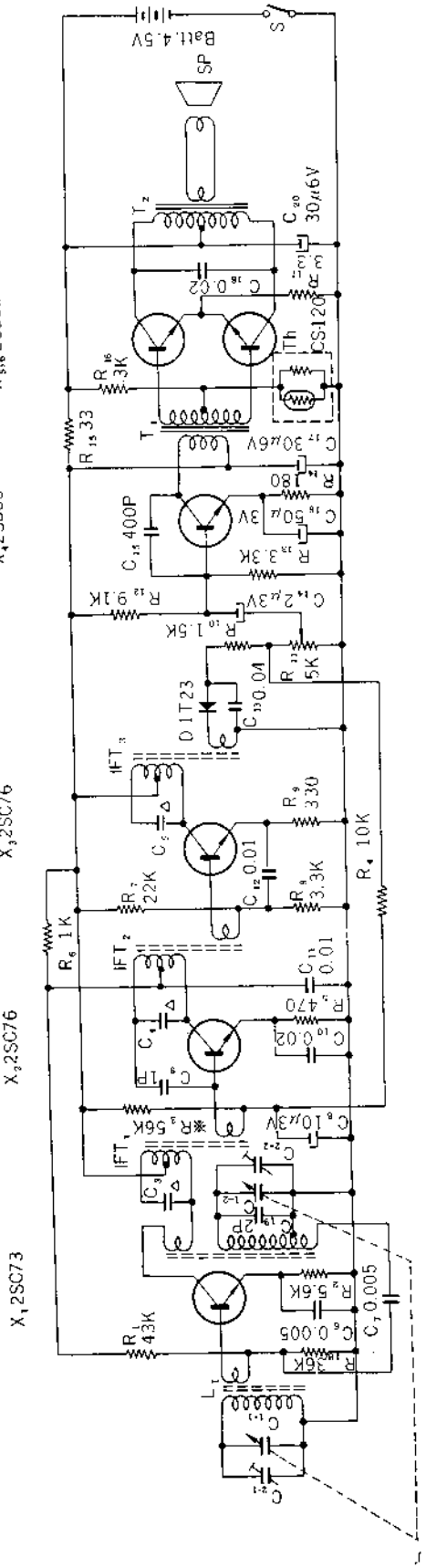
b) Tracking Adjustment

Lower Checking Point	Adjust	Upper Checking Point	Adjust
620 Kc	Position of ANT Coil (L_1)	1,400 Kc	ANT Trimmer (C_{2-1})

55a

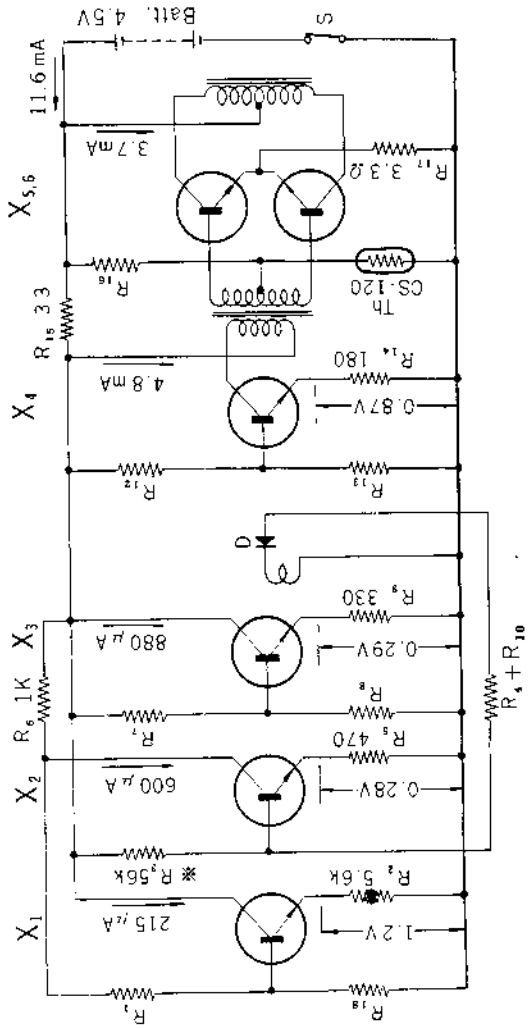
Schematic Diagram

Up to Serial No. 79,000



※ R_3 : To be adjusted
Capacitors marked with "Δ" are built in relative IF Transformers

Voltage and Current Distribution Chart at Zero Signal

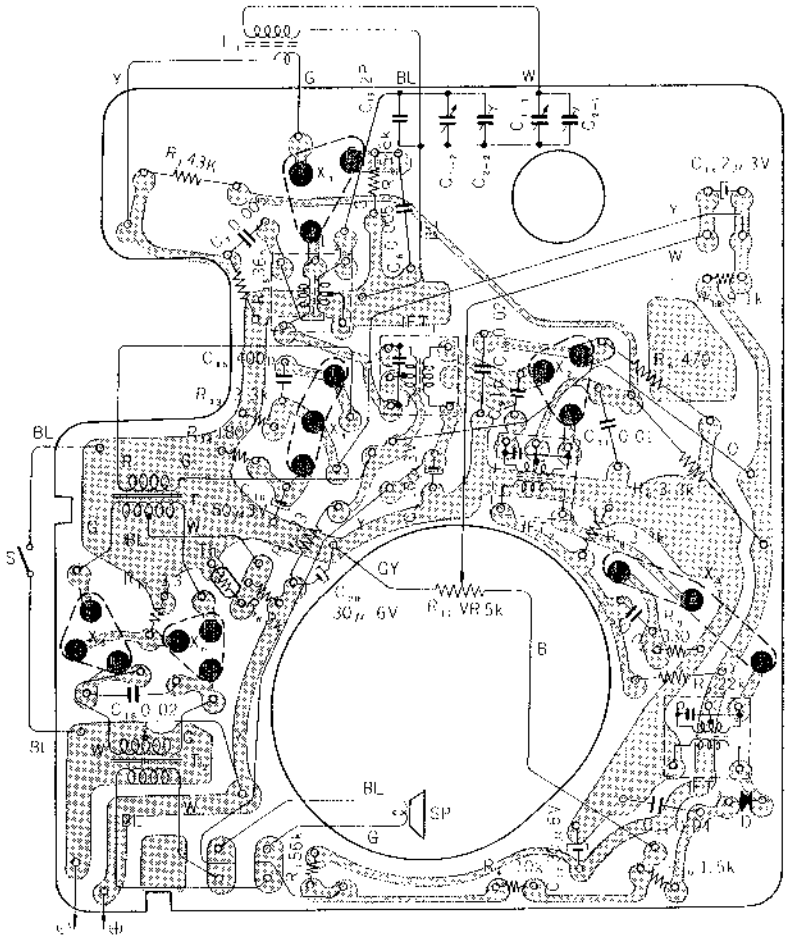


55a

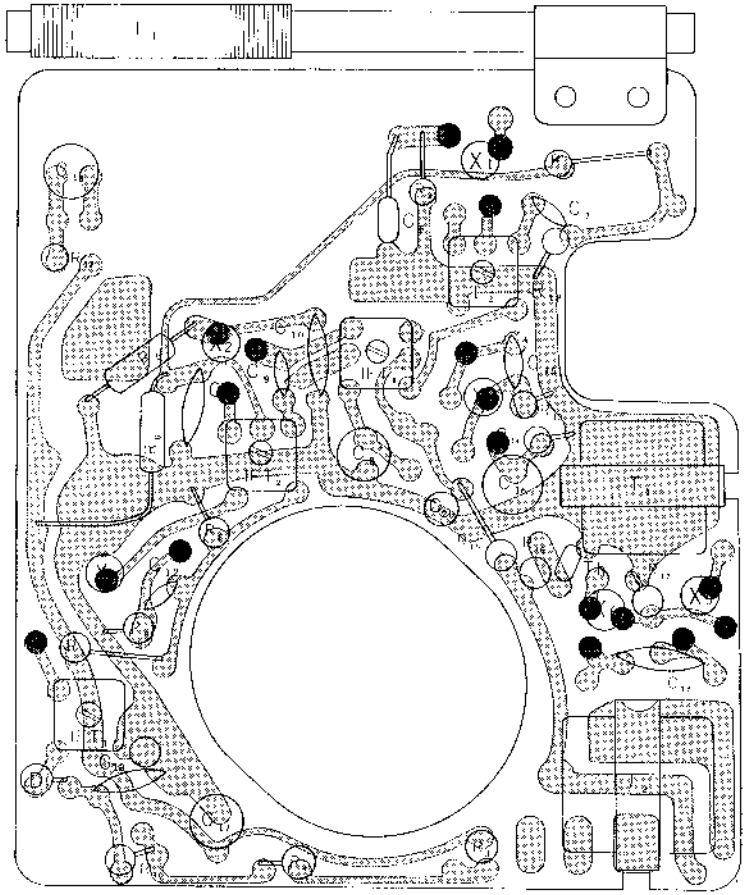
Mounting Diagram

Up to Serial No. 79,000

—Printed Side—

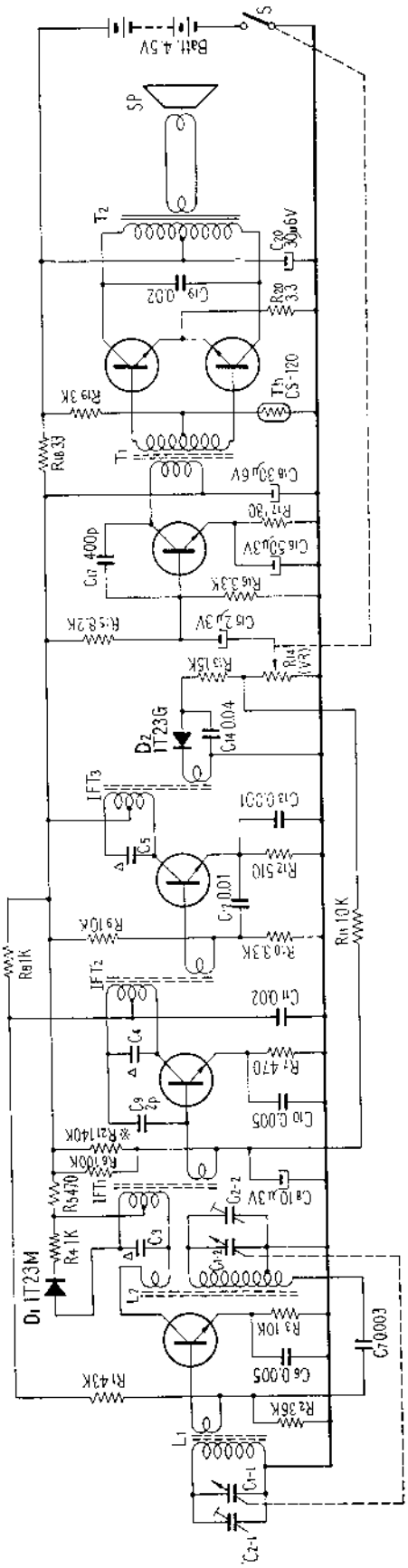


—Parts Side—



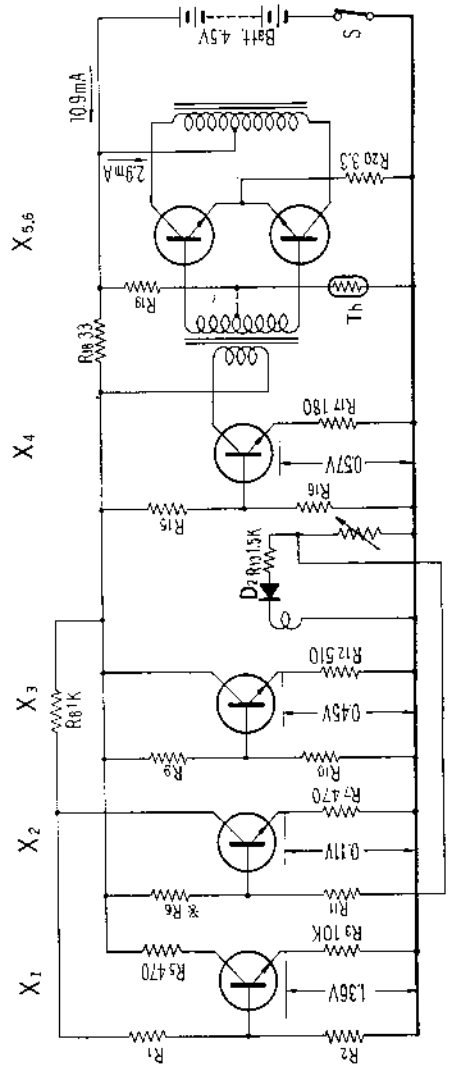
Schematic Diagram

After Serial No. 79,001



※.....To be adjusted
△.....Capacitors marked with △ are built in relative IF Transformers.

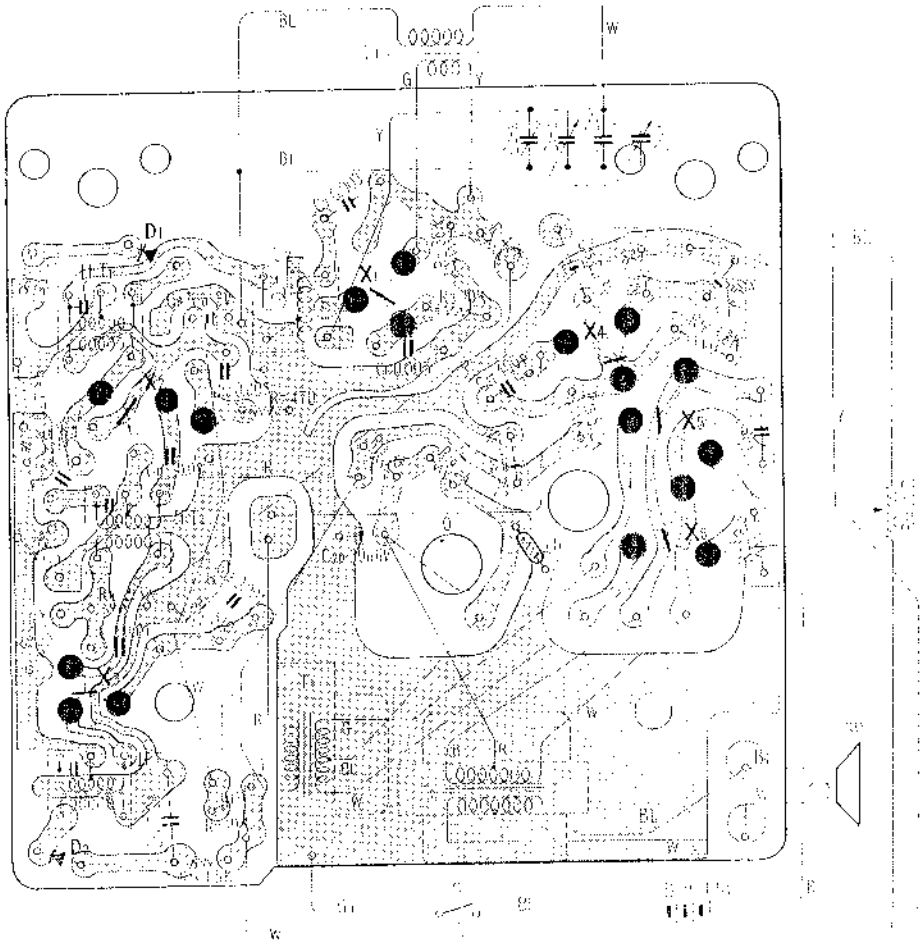
Voltage and Current Distribution Chart at Zero Signal



Mounting Diagram

After Serial No. 79,001

— Printed Side —



— Parts Side —