

**Specifications**

- Circuit :** 11 Transistor Superheterodyne
- Frequency Coverage :** FM 86.5—108 Mc (13.53—2.78 m)  
MW 530—1,605 Kc (566—187 m)
- Intermediate Frequency :** FM 10.7 Mc MW 455 Kc
- Antenna System :** FM Built-in Telescopic Antenna  
MW Built-in Ferrite Bar Antenna
- Maximum Sensitivity :** FM -2 dB (at 50 mW output with 6 dB S/N)  
MW 26 dB (at 10 mW output)
- Selectivity :** 22 dB at 10 Kc off resonance, at 1,400 Kc
- Output Power :** 480 mW (undistorted)
- Current Drain :** 12 mA (MW), 15 mA (FM) at zero signal,  
160 mA at 480 mW output
- Speaker :** 4-3/4" x 3-1/8"  
(112 x 8 cm) PM dynamic, 8 Ω
- Battery :** Four size "C" Flashlight  
Batteries (6 Volts)
- Dimensions :** 12" x 6-5/8" x 2-3/8"  
(300 x 167 x 60 mm)
- Weight :** 3-1/2 lbs. (1.6 kg)

Electrical characteristics of FM band is measured with the LOCAL/DISTANT Selector Switch set to "DISTANT".

**Adjustments**

**a) Frequency Coverage Adjustment**

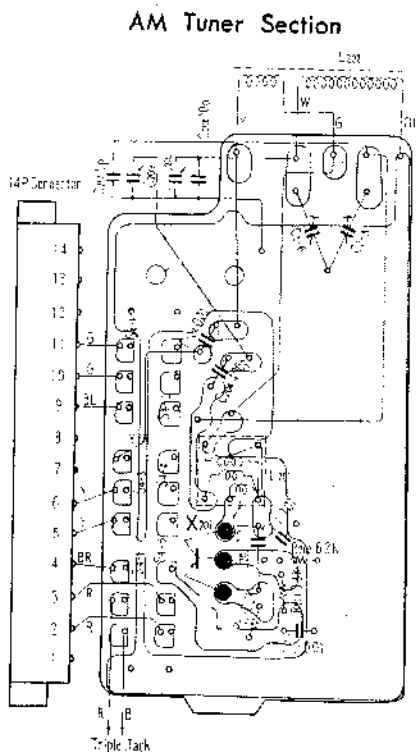
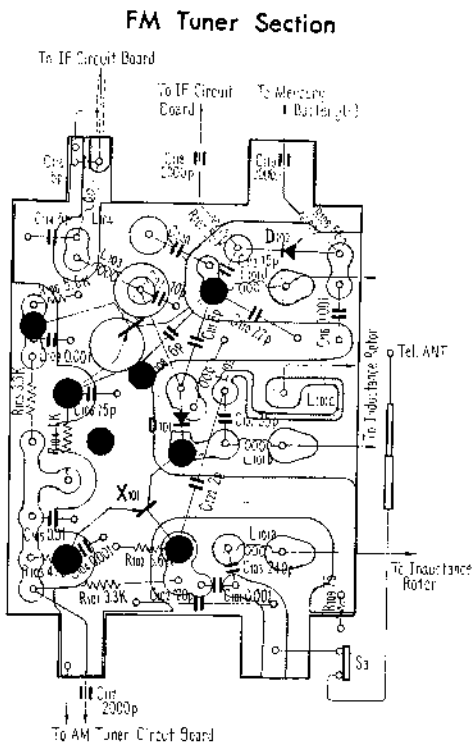
	Lower Limit	Adjust	Upper Limit	Adjust
FM	i) 85.5 ± 1 Mc	Gap of FM OSC Aux. Coil (L <sub>101d</sub> )	Lower Limit + 24 Mc	Gap of FM OSC Aux. Coil (L <sub>101d</sub> )
	iii) 85.5 Mc	Trimmer Capacitor (C <sub>120</sub> )		
MW	520 Kc	Core of MW OSC Coil (L <sub>201</sub> )	1,680 Kc	MW OSC Trimmer (C <sub>205</sub> )

**b) Tracking Adjustment**

	Lower Checking Point	Adjust	Upper Checking Point	Adjust
FM			109.5 Mc	Gap of FM RF Aux. Coil (L <sub>11b</sub> ) and Gap of FM ANT Aux. Coil (L <sub>101a</sub> )
MW	620 Kc	Position of MW ANT Coil (L <sub>202</sub> )	1,400 Kc	MW ANT Trimmer (C <sub>206</sub> )

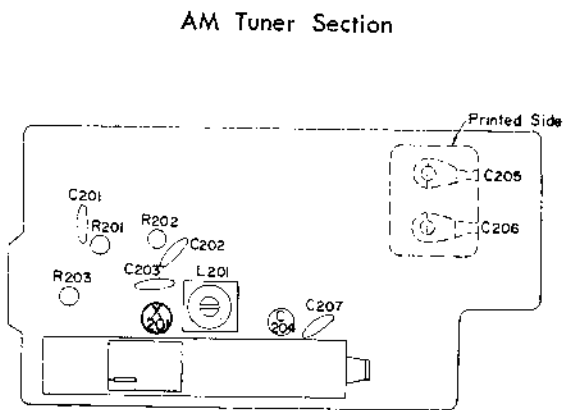
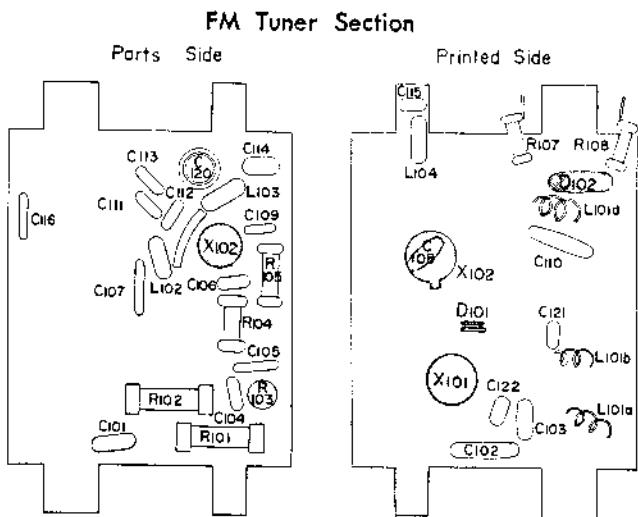
**Mounting Diagram**

—Printed Side—



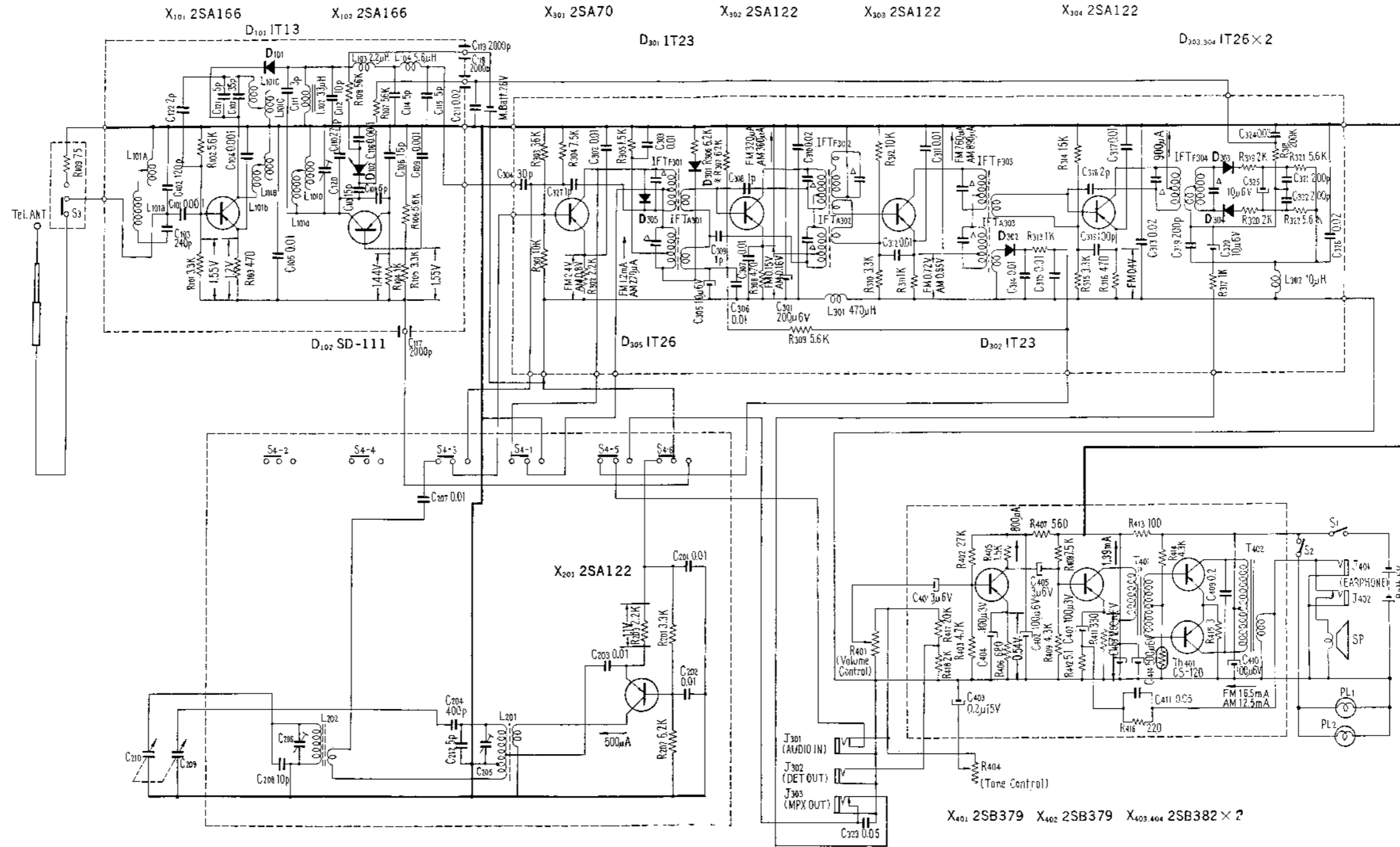
**Mounting Diagram**

—Parts Side—



Schematic Diagram

71



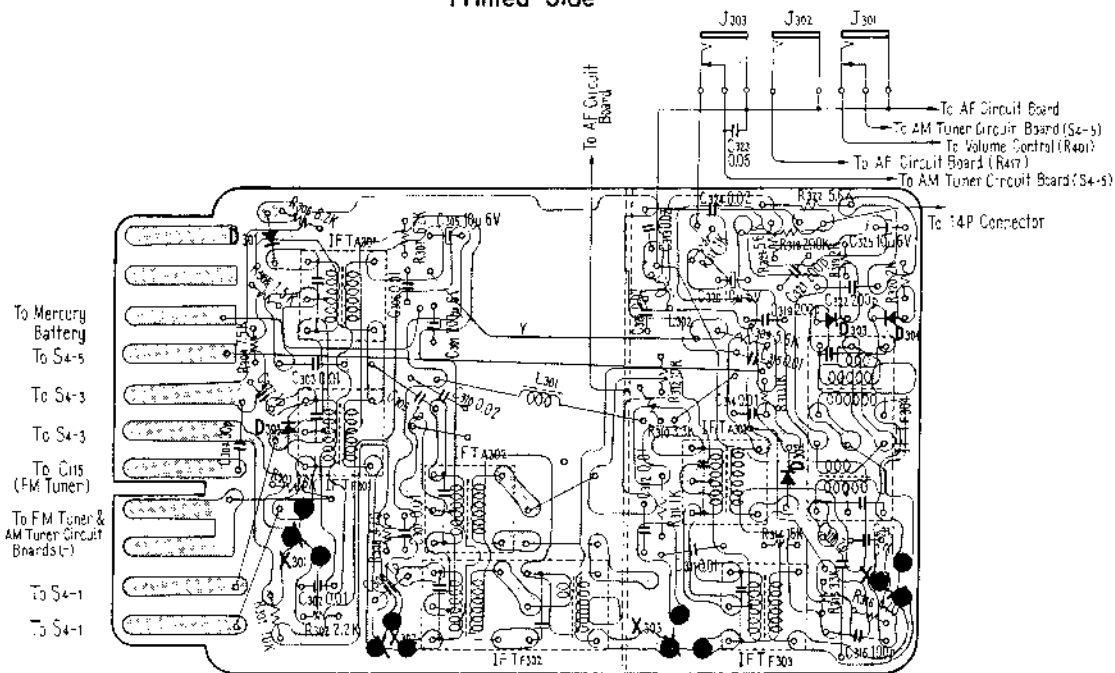
※ To be adjusted  
Capacitors marked with  $\Delta$  are built in relative IF Transformers.

71

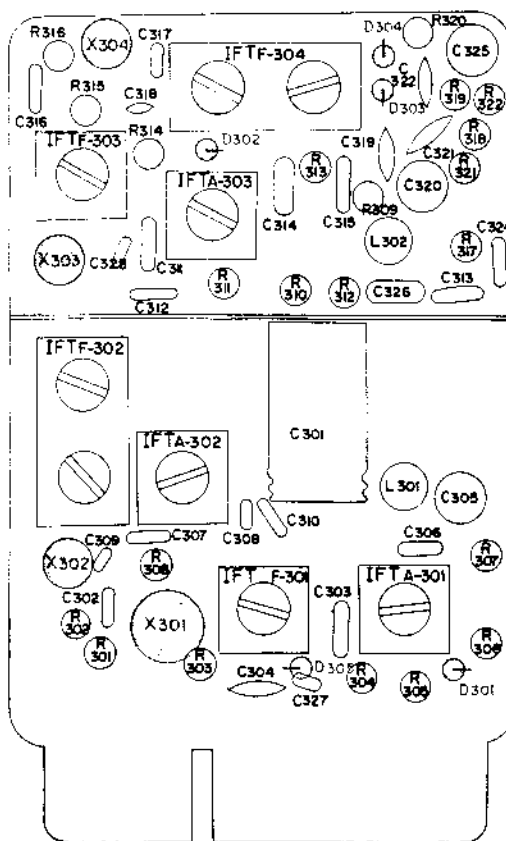
Mounting Diagram

IF Section

—Printed Side—

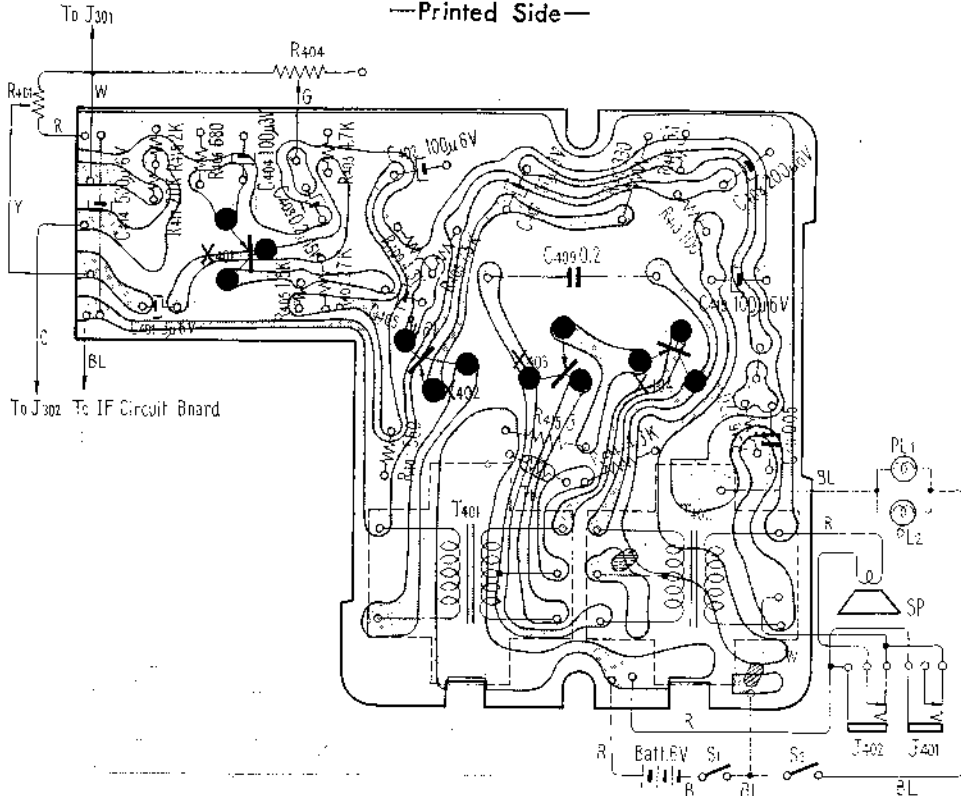


—Parts Side—



**Mounting Diagram**

AF Section  
—Printed Side—



—Parts Side—

