

Removal of Chassis

- (1) Remove the two Back Cover Holding Screws and open the Back Cover. Take out all the Batteries.
- (2) Remove the Tuning, Fine Tuning, Band Setting, Volume Control, and Tone Control Knobs by pulling them out.
- (3) Push the Local, AFC, and Power Switch Buttons.
- (4) Remove the Five Nuts marked with Δ shown in Fig. 1 and 2.
- (5) Unsolder the six leads marked with $\blacktriangle$ shown in Fig. 2.
- (6) Unsolder the Blue lead at the Volume Control coming from the AUX in Jack.
- (7) Remove the Chassis from the Cabinet gently taking care not to cut the leads.

Removal of CP Circuit Boards

- (1) Remove the four Screws marked with $\bigcirc$ shown in Fig. 2.
- (2) Unsolder all the leads on the CP Circuit Board coming from the IF Circuit Board, MW/LW Ferrite Bar Antenna Coil, and FM Tuner.
- (3) Remove the CP Circuit Board from the Chassis gently taking care not to cut the leads.

Removal of FM Tuner Circuit Board (FMC-6AE)

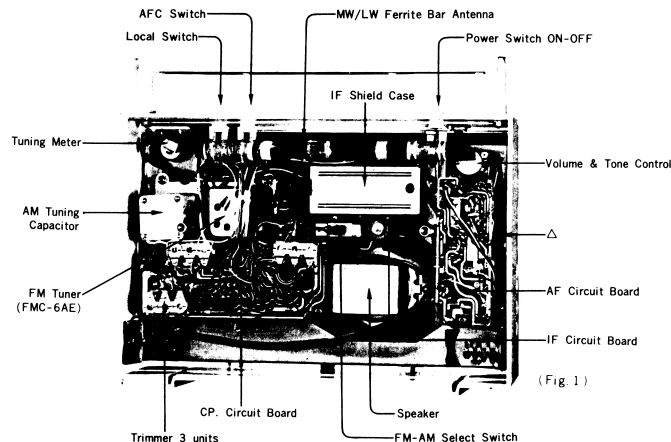
- (1) Remove the CP Circuit Board.
- (2) Unsolder all the leads at the FM Tuner and AM Tuning Capacitor.
- (3) Remove the four Sub-Chassis Holding Screws. (Two of them are marked with $\bullet$ in Fig. 2).
- (4) Remove the Sub-Chassis from the Chassis gently taking care not to cut the Dial Cord.
- (5) Remove the Tuner Gear Holding Screw at the FM Tuning Capacitor.
- (6) Remove the Tuner Gear at the FM Tuning Capacitor.
- (7) Remove the four FM Tuner (FMC-6AE) Holding Screws. The FM Tuner (FMC-6AE) can now be removed.

Removal of IF Circuit Board

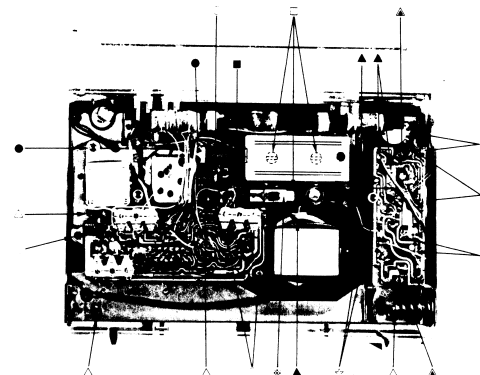
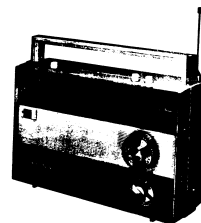
- (1) Unsolder the IF Shield Case Cover, marked with $\blacksquare$ shown in Fig. 2.
- (2) Remove the three Screws marked with $\square$ shown in Fig. 2.
- (3) Take out the FM-AM Select Switch Plate marked with $\otimes$ shown in Fig. 2.
- (4) Remove the IF Circuit Board from Chassis gently taking care not to cut the leads.

Removal of AF Circuit Board

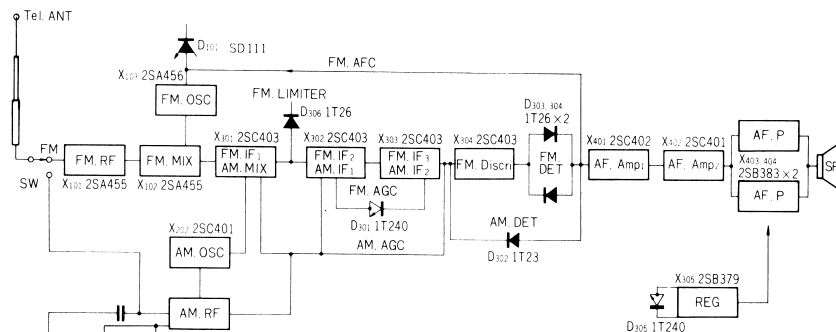
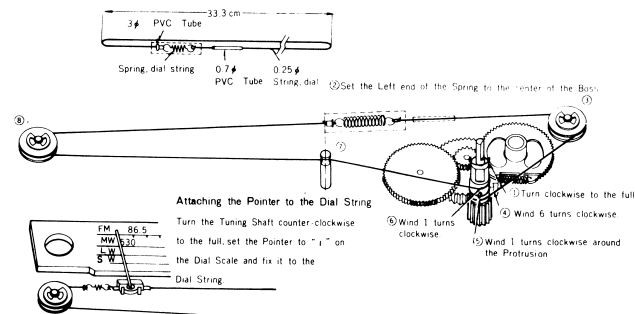
- (1) Remove the two Screws marked with $\blacktriangle$ shown in Fig. 2.
- (2) Unsolder the four leads on the AF Circuit Board marked with $\star$ shown in Fig. 2.



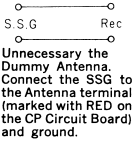
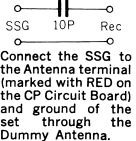
(Fig. 1)



(Fig. 2)

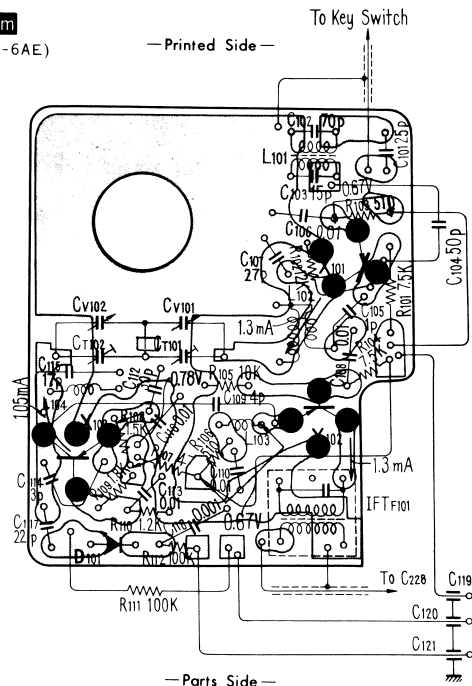
Block Diagram**To String the Dial Cord**

Frequency Coverage and Tracking Adjustment

Adj. Item	SSG (Standard) Signal Generator Coupling	SSG Freq.	Receiver Dial Setting	Connect VTVM	Adjust	Remarks
FM Frequency Coverage	 Unnecessary the Dummy Antenna. Connect the SSG to the Antenna terminal (marked with RED on the CP Circuit Board) and ground.	86 Mc (400c/s $\pm$ 22.5Kc FM MOD)	Fully Left	Across 8 Ω Load Resistor	FM OSC Coil (L ₁₀₁)	Adjust for maximum Deflection. Fine Tuning: Set the Slit mark on the Fine Tuning Knob in the Vertical direction Volume: Max. Tone: High Local: OFF AFC: OFF Power supply: DC 6V
		105.5 Mc (")	Fully Right		FM OSC Trimmer (C _{T102})	
FM Tracking	—ditto—	86 Mc (")	Tune to 86 Mc Signal	—ditto—	FM RF Coil (L ₁₀₂)	—ditto—
		105.5 Mc (")	Tune to 105.5Mc Signal		FM RF Trimmer (C _{T101})	
SW Frequency Coverage	 Connect the SSG to the Antenna terminal (marked with RED on the CP Circuit Board) and ground of the set through the Dummy Antenna.	5.85 Mc (1000 c/s 30% AM MOD)	Fully Left	—ditto—	SW OSC Coil (L ₂₀₁)	—ditto—
		16.7 Mc (")	Fully Right		SW OSC Trimmer (C _{T201})	
SW Tracking	—ditto—	5.85 Mc (")	Tune to 5.85Mc Signal	—ditto—	SW ANT Coil (L ₂₀₂) SW RF Coil (L ₂₀₄)	—ditto—
		16.7 Mc (")	Tune to 16.7Mc Signal		SW ANT Trimmer (C _{T202}) SW RF Trimmer (C _{T204})	
MW Frequency Coverage	Loop Antenna	520 Kc (")	Fully Left	—ditto—	MW OSC Coil (L ₃₀₁)	—ditto—
		1,680 Kc (")	Fully Right		MW OSC Trimmer (C _{T301})	
MW Tracking	—ditto—	620 Kc (")	Tune to 620 Kc Signal	—ditto—	MW ANT Coil (L ₃₀₂) MW RF Coil (L ₃₀₄)	—ditto—
		1,400 Kc (")	Tune to 1400Kc Signal		MW ANT Trimmer (C _{T302}) MW RF Trimmer (C _{T304})	
LW Frequency Coverage	—ditto—	145 Kc (")	Fully Left	—ditto—	LW OSC Coil (L ₄₀₁)	—ditto—
		300 Kc (")	Fully Right		LW OSC Trimmer (C _{T401})	
LW Tracking	—ditto—	145 Kc (")	Tune to 145Kc Signal	—ditto—	LW ANT Coil (L ₄₀₂) LW RF Coil (L ₄₀₄)	—ditto—
		300 Kc (")	Tune to 300Kc Signal		LW ANT Trimmer (C _{T402}) LW RF Trimmer (C _{T404})	

Mounting Diagram

FM Tuner Section (FMC-6AE)



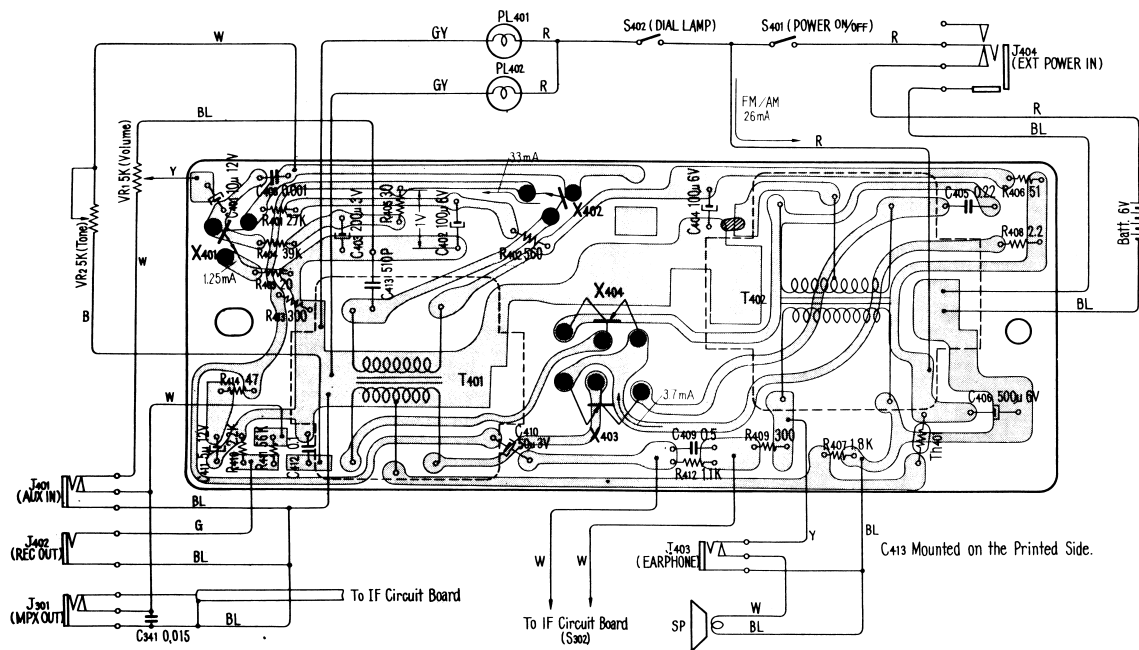
S17-1

SONY MODEL TFM-1000L

Mounting Diagram

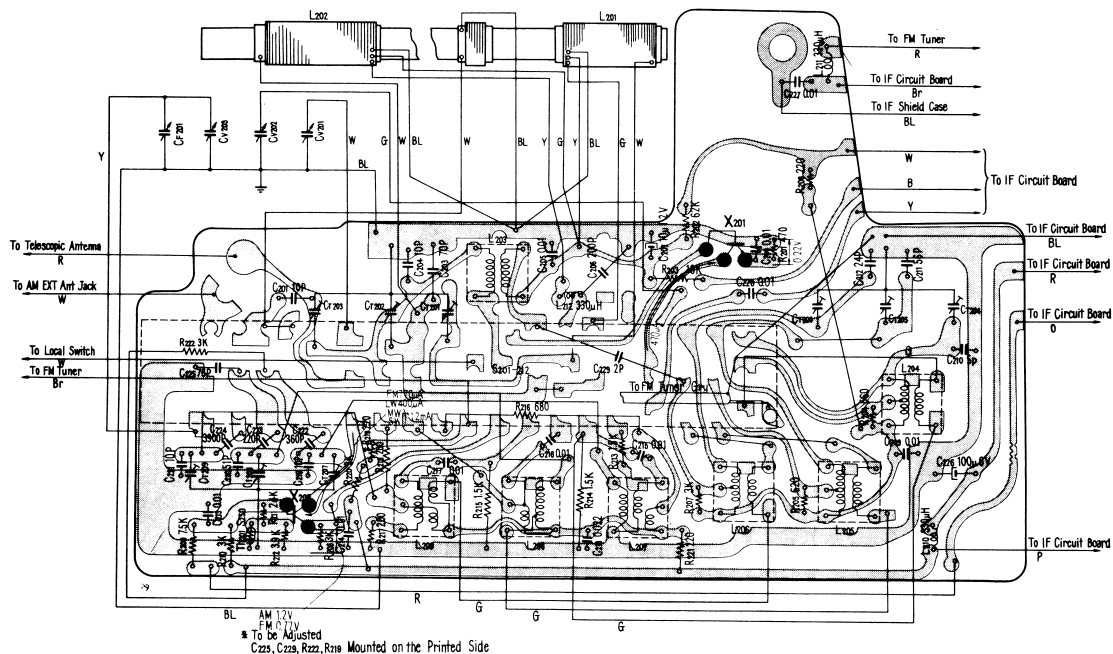
AF Section (AF.1A)

— Printed Side —

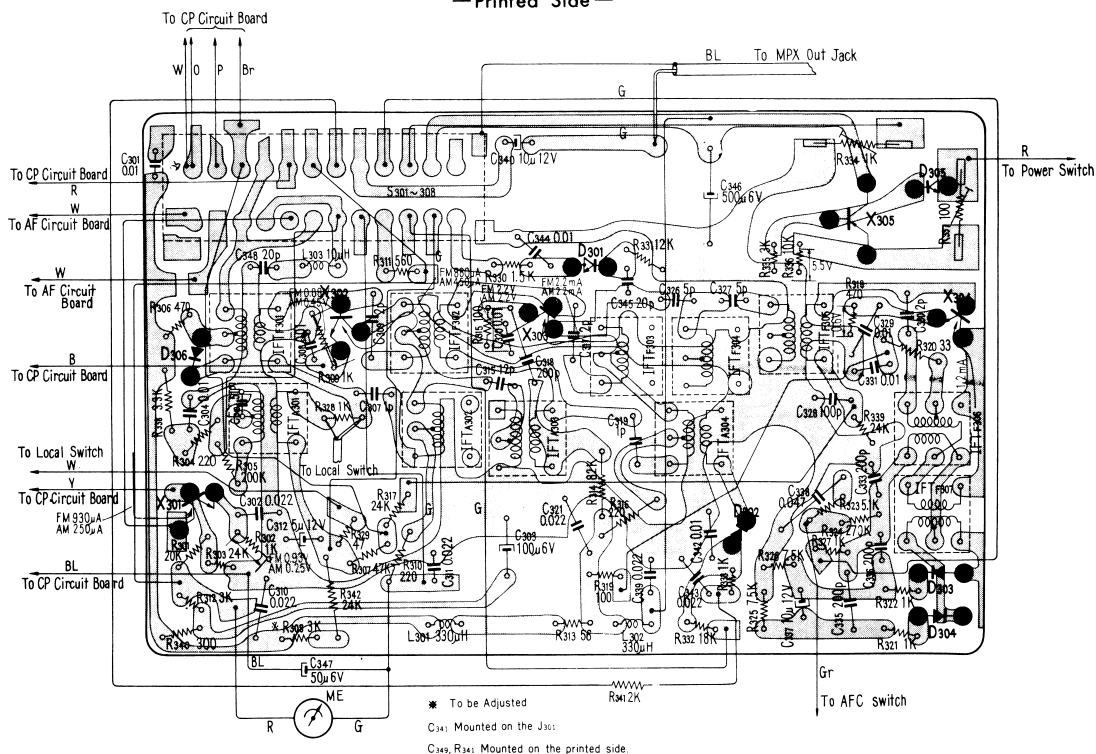


SONY TFM-1000L

—Printed Side—



—Printed Side—



S17-1

