

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)

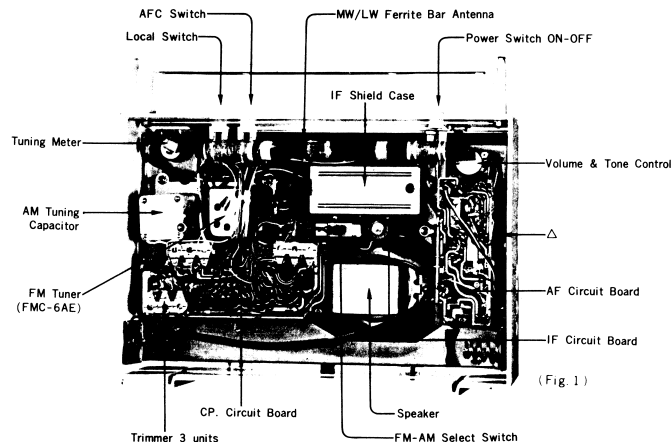
- (1) Remove the CP Circuit Board.
- (2) Unsolder all the leads at the FM Tuner and AM Tuning Capacitor.
- (3) Remove the four Sub-Chassis Holding Screws. (Two of them are marked with \bullet in Fig. 2).
- (4) Remove the Sub-Chassis from the Chassis gently taking care not to cut the Dial Cord.
- (5)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

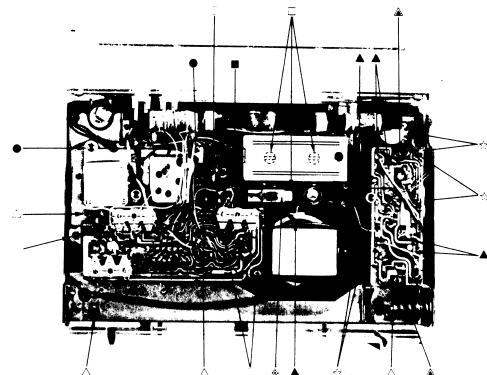
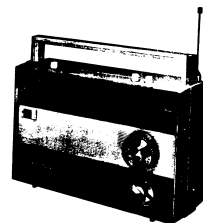
- (1) Unsolder the IF Shield Case Cover, marked with \blacksquare shown in Fig. 2.
- (2) Remove the three Screws marked with \square shown in Fig. 2.
- (3) Take out the FM-AM Select Switch Plate marked with \otimes shown in Fig. 2.
- (4) Remove the IF Circuit Board from Chassis gently taking care not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

Removal of AF Circuit Board

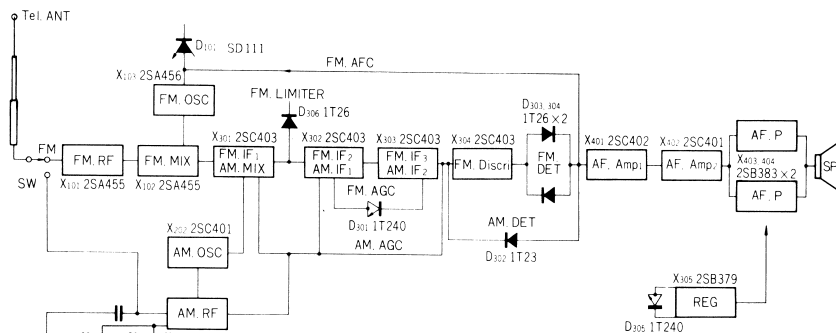
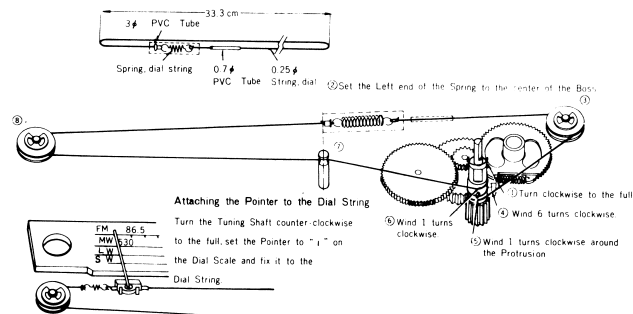
- (1) Remove the two Screws marked with \blacktriangle shown in Fig. 2.
- (2) Unsolder the four leads on the AF Circuit Board marked with \star shown in Fig. 2.



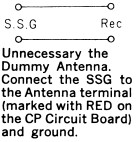
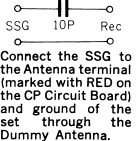
(Fig. 1)



(Fig. 2)

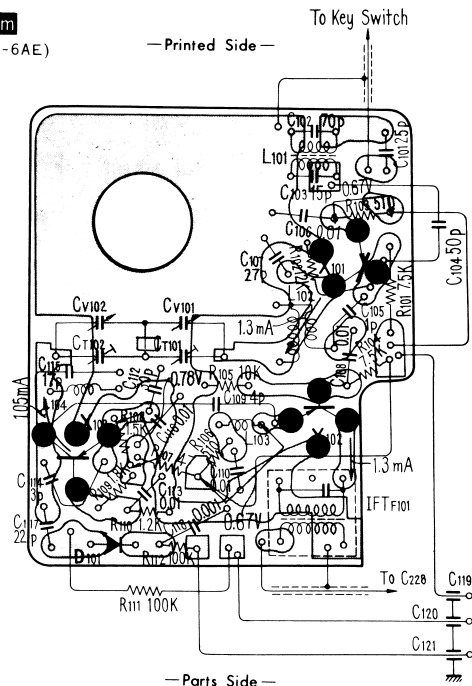
Block Diagram**To String the Dial Cord**

Frequency Coverage and Tracking Adjustment

| Adj. Item | SSG (Standard) Signal Generator Coupling | SSG Freq. | Receiver Dial Setting | Connect VTVM | Adjust | Remarks |
|-----------------------|---|---------------------------------------|------------------------|---------------------------------|---|---|
| FM Frequency Coverage |  <p>Unnecessary the Dummy Antenna. Connect the SSG to the Antenna terminal (marked with RED on the CP Circuit Board) and ground.</p> | 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 |  <p>Connect the SSG to the Antenna terminal (marked with RED on the CP Circuit Board) and ground of the set through the Dummy Antenna.</p> | 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 _{T203}) 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)



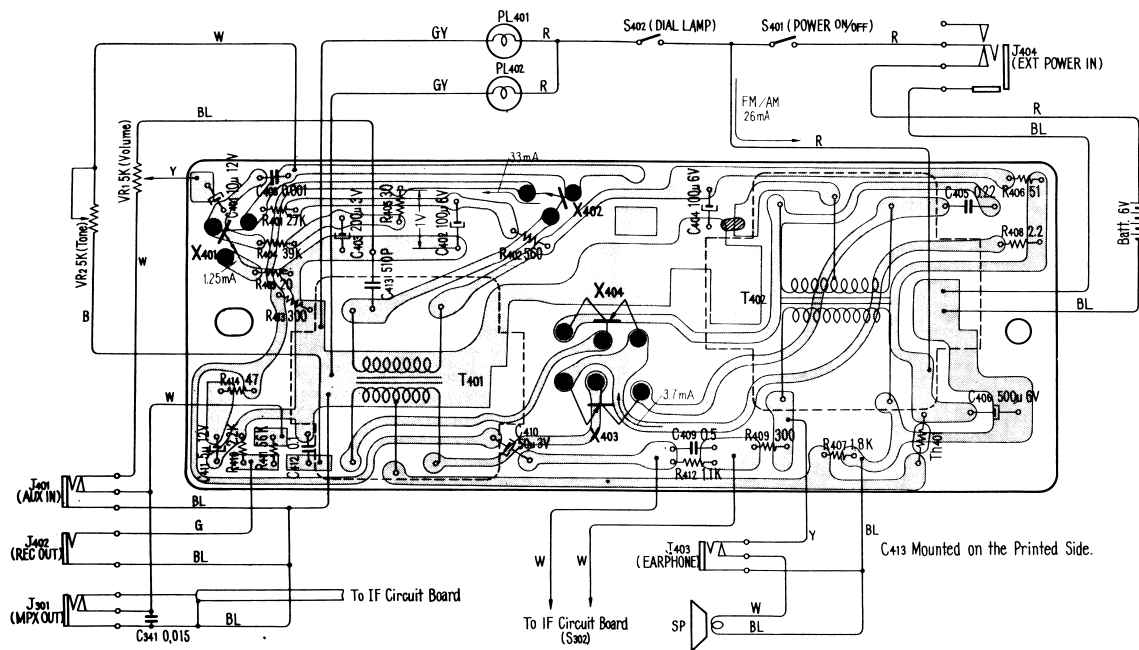
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SONY MODEL TFM-1000L

Mounting Diagram

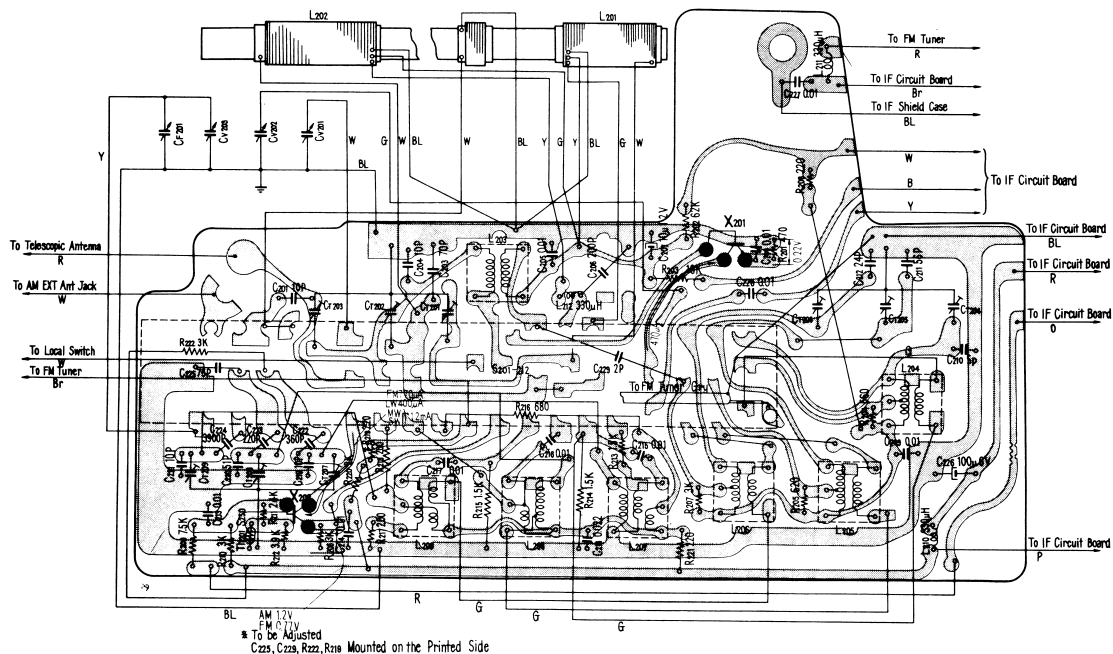
AF Section (AF.1A)

— Printed Side —

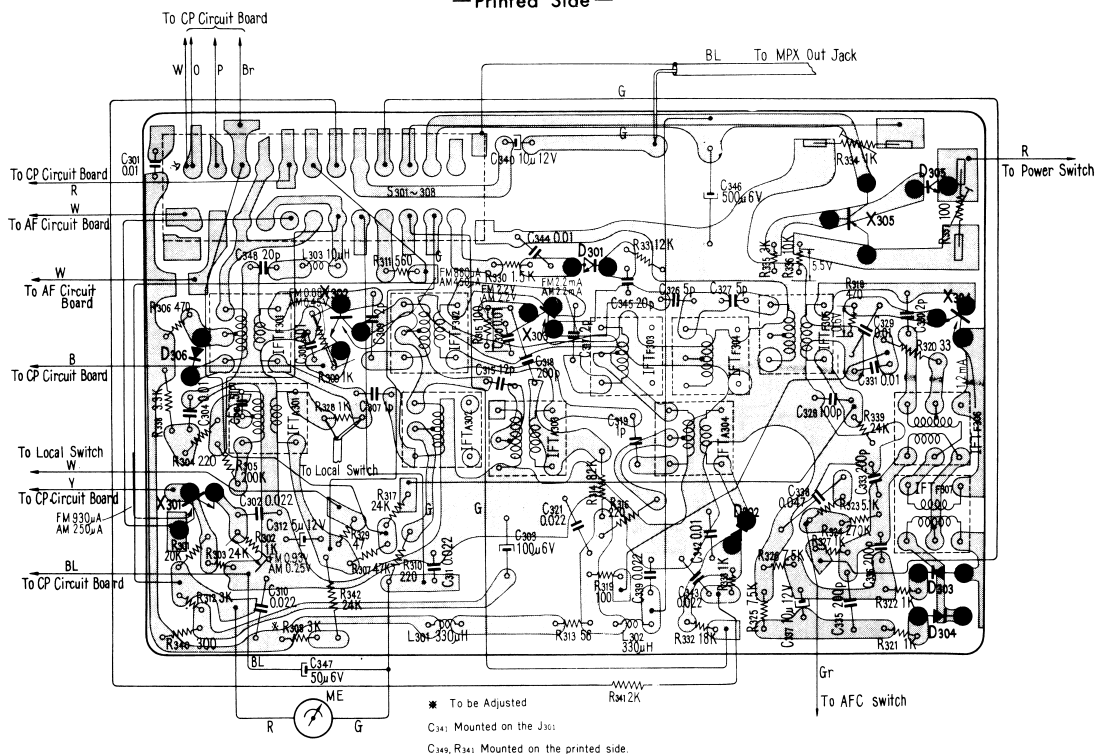


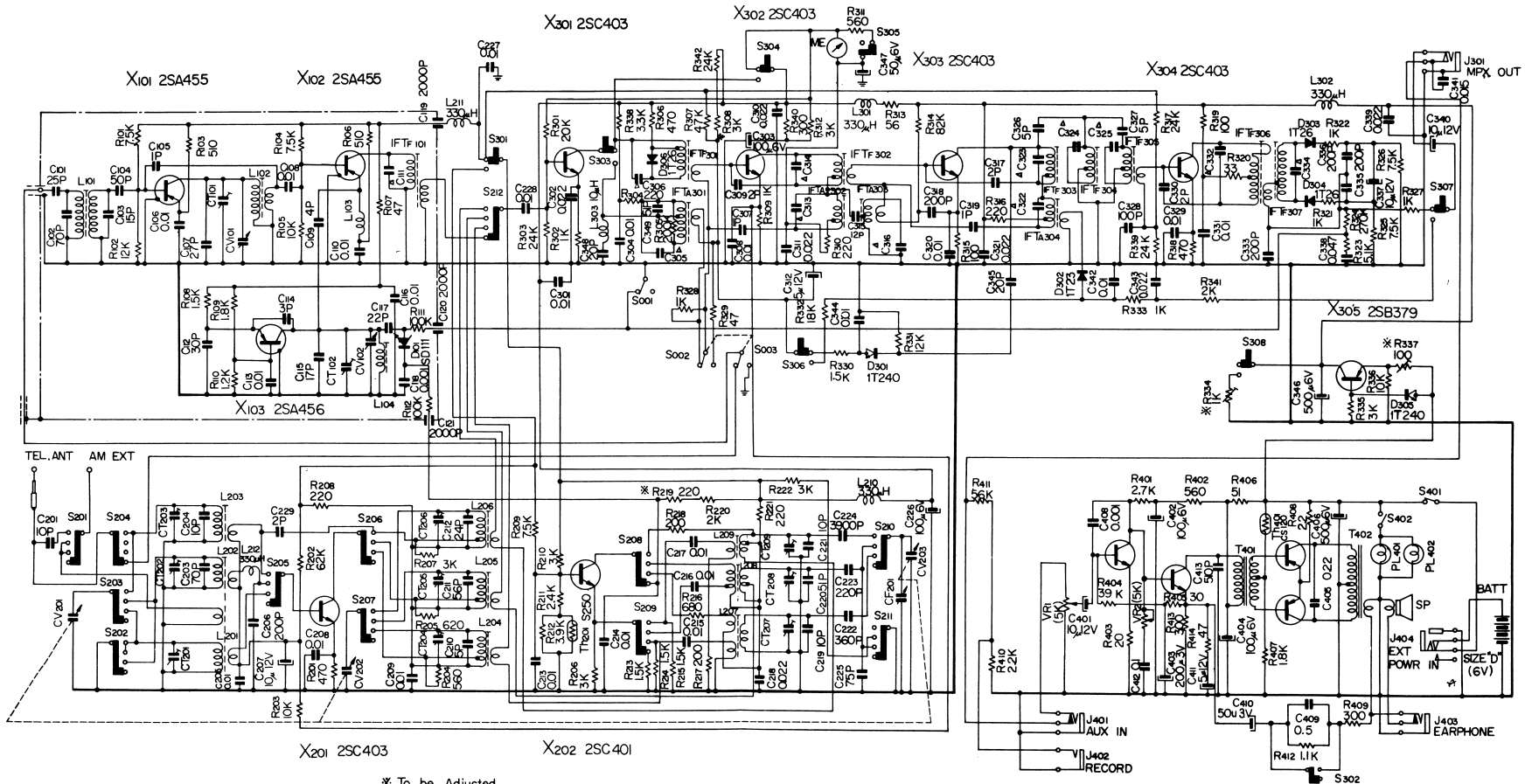
SONY TFM-1000L

—Printed Side—



—Printed Side—





※ To be Adjusted

Capacitors marked with "Δ" are built in relative IF Transformers

X401 2SC402 X402 2SC401 X403,404 2SB383x2