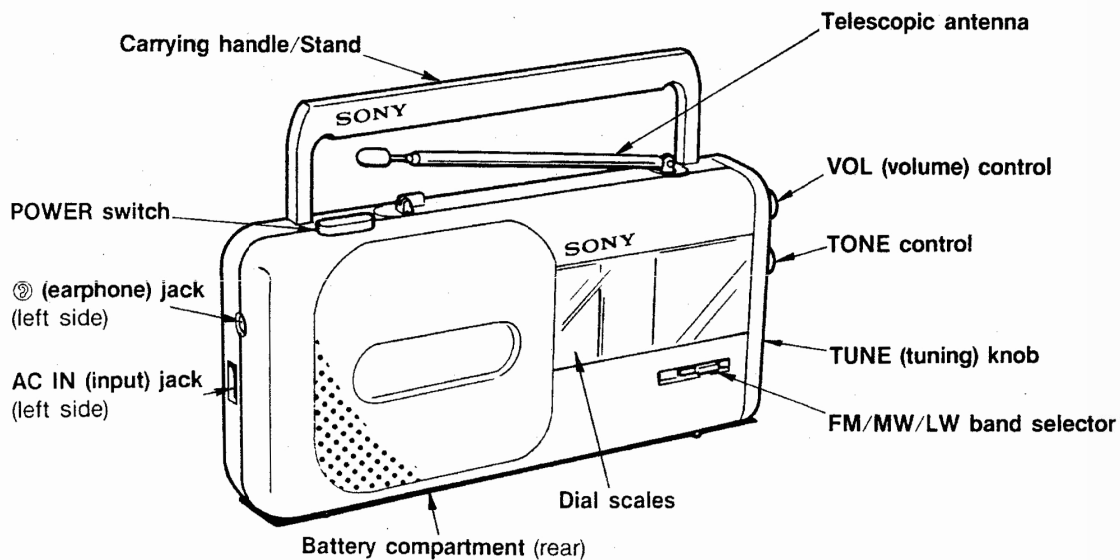


ICF-750L

SERVICE MANUAL

AEP Model
UK Model




SPECIFICATIONS

Frequency range	FM: 87.6-108 MHz MW: 530-1,605 kHz LW: 150-255 kHz
Antennas	FM: Telescopic antenna MW/LW: Built-in ferrite rod antenna
Speaker	Approx. 9.2 cm (3 ⁵ / ₈ inches) dia., 8 Ω
Power output	500 mW (at 10% harmonic distortion)
Output	Earphone jack (minijack)
Power requirements	240 V (UK model) or 220 V (model for other countries) AC, 50 Hz with the supplied AC power cord 6 V DC with four R6 (size AA) batteries
Battery life	Approx. 37 hours of listening (for four hours a day at a normal volume) using Sony battery SUM-3(NS)
Dimensions	Approx. 253 × 122 × 56.5 mm (w/h/d) (10 × 4 ⁷ / ₈ × 2 ¹ / ₄ inches) incl. projecting parts and controls with the carrying handle pushed in.
Weight	Approx. 756 g (1 lb 11 oz) incl. batteries
Supplied accessory	AC power cord (1)

FEATURES

- Two different power sources: batteries and house current.
- TONE control facilitates fine tone adjustment.
- Fast tuning to key stations marked on the MW and LW dial scales.

SAFETY-RELATED COMPONENT WARNING!!

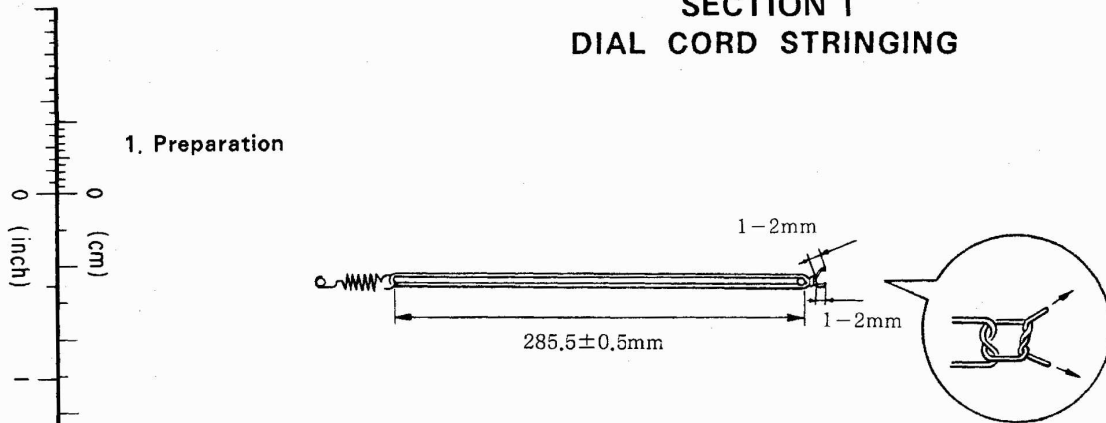
COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

FM/MW/LW 3BAND RECEIVER
SONY®



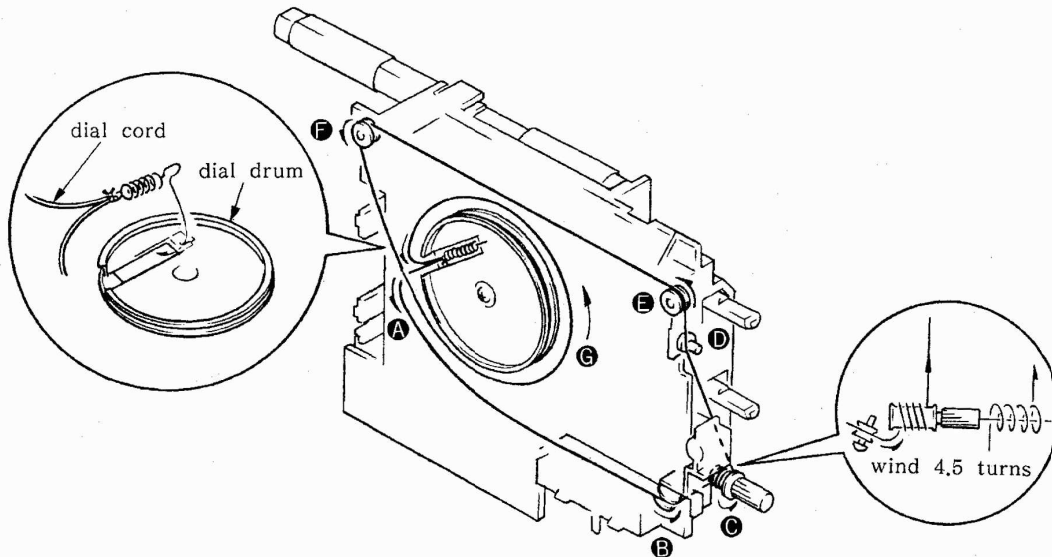
SECTION 1 DIAL CORD STRINGING

1. Preparation



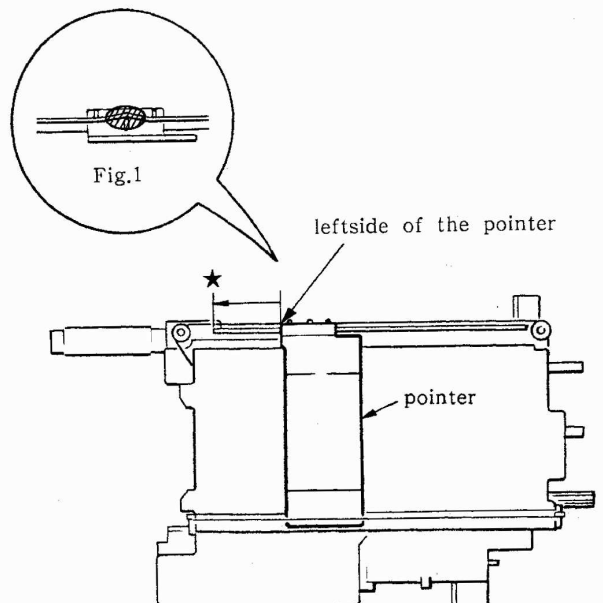
2. Stringing

- 1) Turn the dial drum fully counterclockwise.
- 2) Hook the spring to the dial drum. String the dial cord in the numerical order given.



3. Dial Pointer Installation

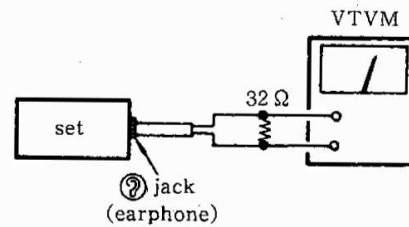
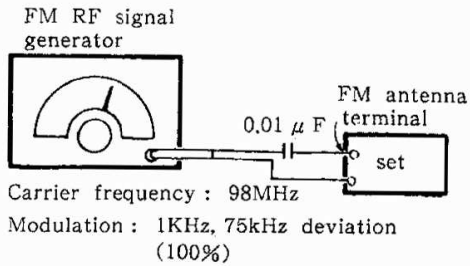
- 1) Turn the tuning knob fully counterclockwise.
- 2) Set the pointer.
- 3) Set the leftside of the pointer to ★ mark.
- 4) Secure the portion ● of the pointer with locking compound after setting the pointer (see Fig.1).



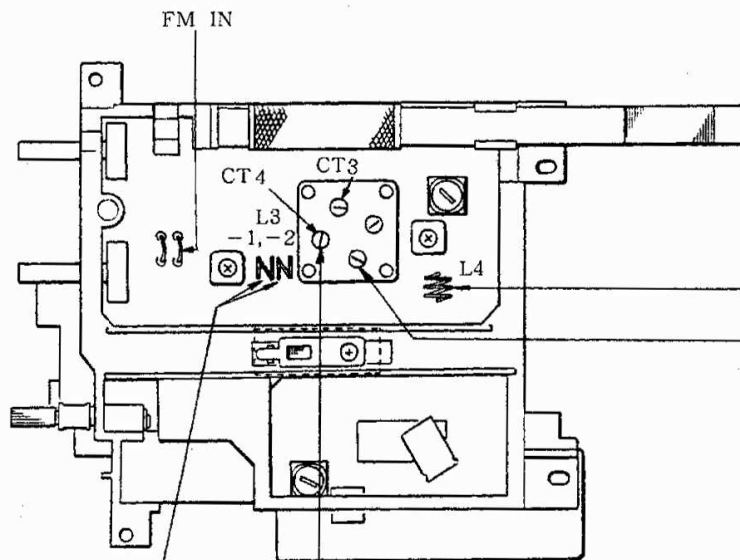
**SECTION 2
ELECTRICAL ADJUSTMENTS**

FM

BAND switch : FM



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.



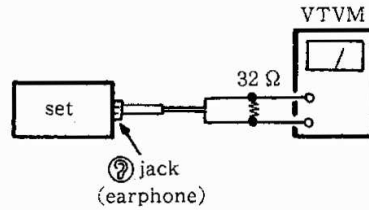
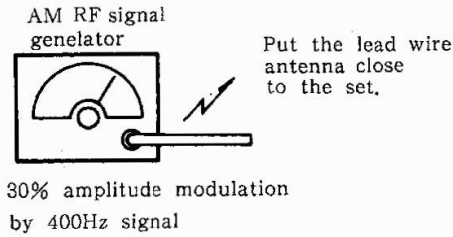
FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L4	86.5MHz
CT3	109.5MHz

L3	CT-4
86.5MHz	109.5MHz
Adjust for a maximum reading on VTVM.	
FM TRACKING ADJUSTMENT	

ICF-750L

MW/LW

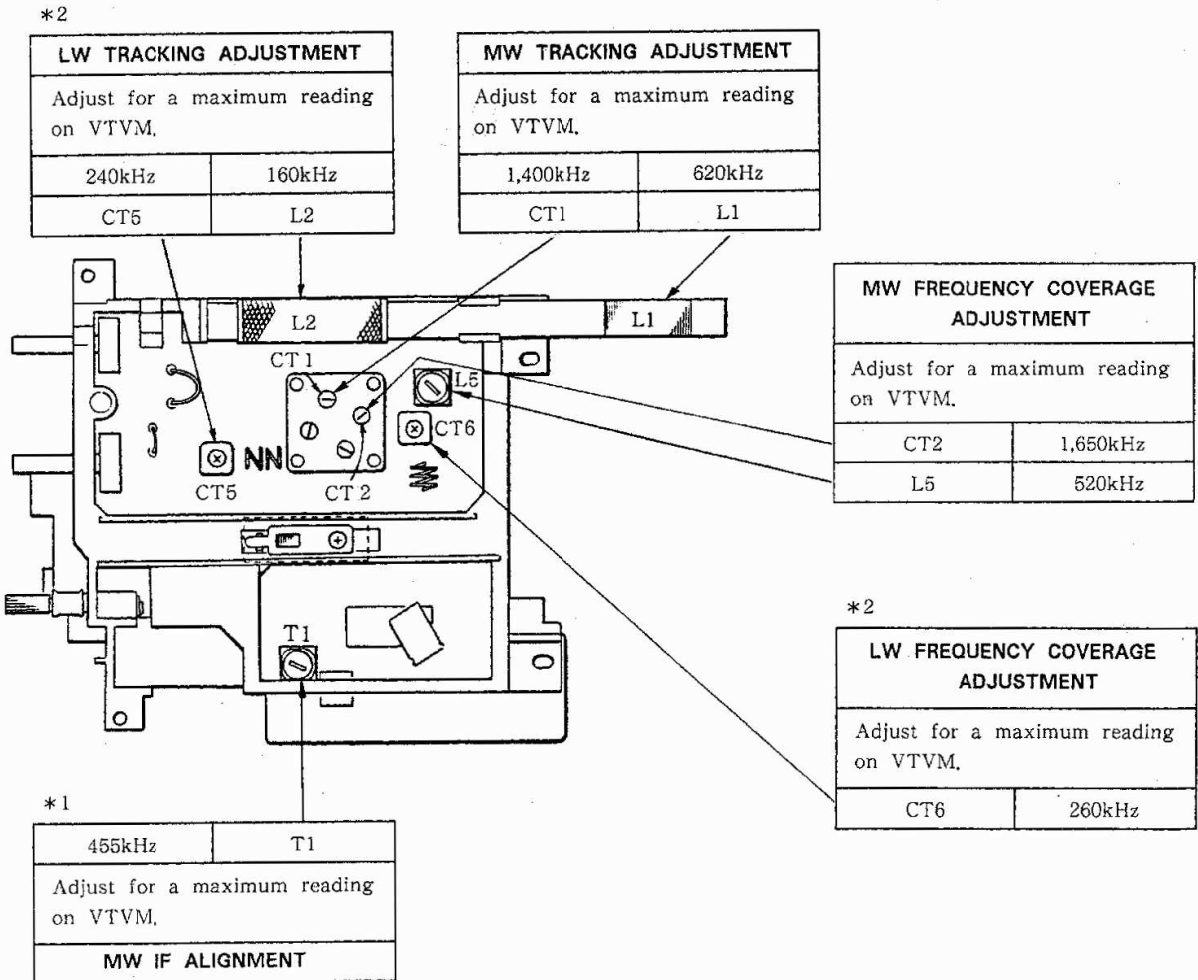
BAND SWITCH : MW, LW



Note : MW IF alignment should be made before making frequency coverage and traking adjustments.(*1)

● Repeat the procedures in each adjustment several times ,and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

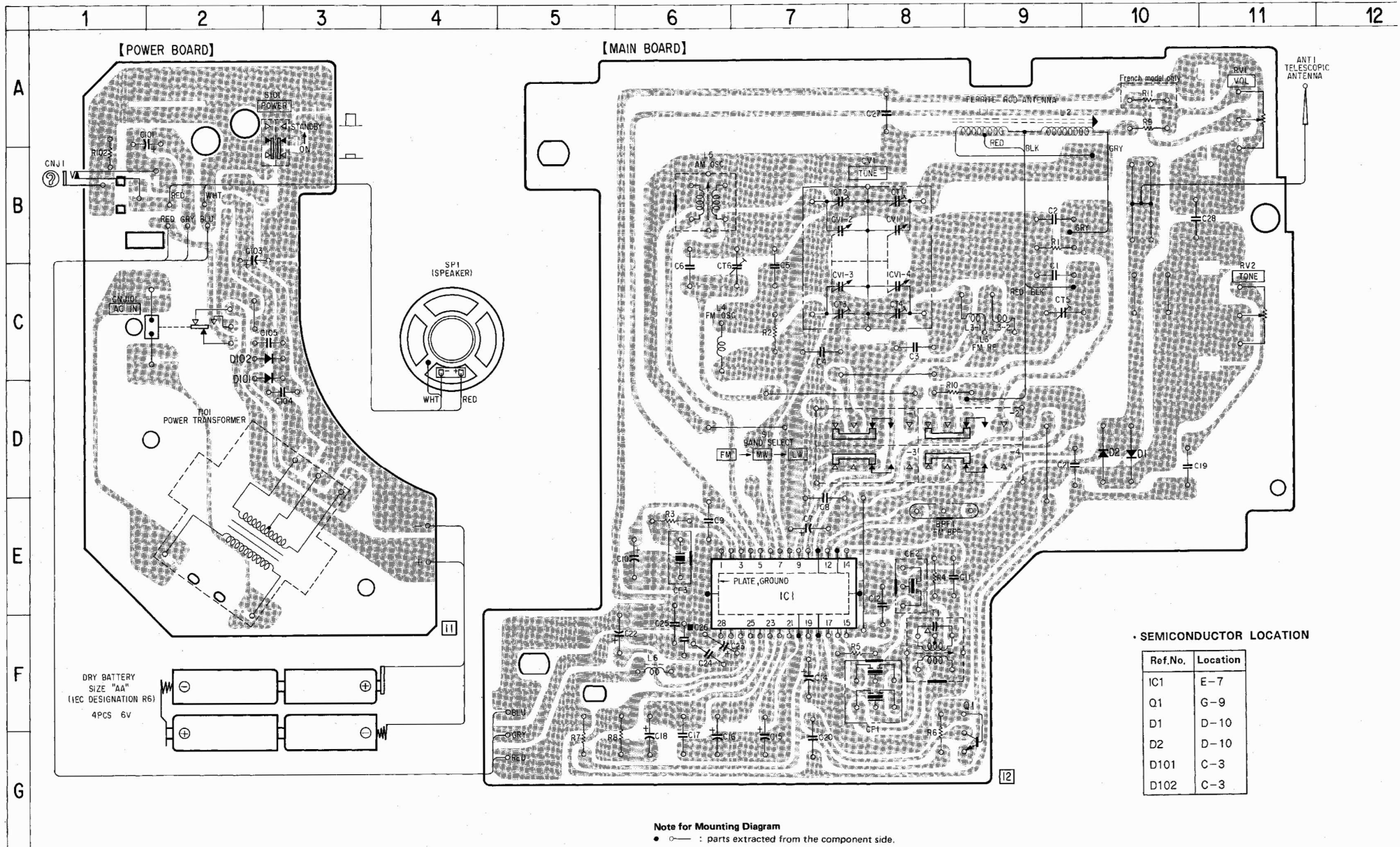
Note : LW adjustment should be made after making MW adjustments.(*2)



ICF-750L ICF-750L

SECTION 3 DIAGRAMS

3-1. MOUNTING DIAGRAM. ● See page 7 for note and Semiconductor Lead Layout.



• SEMICONDUCTOR LOCATION

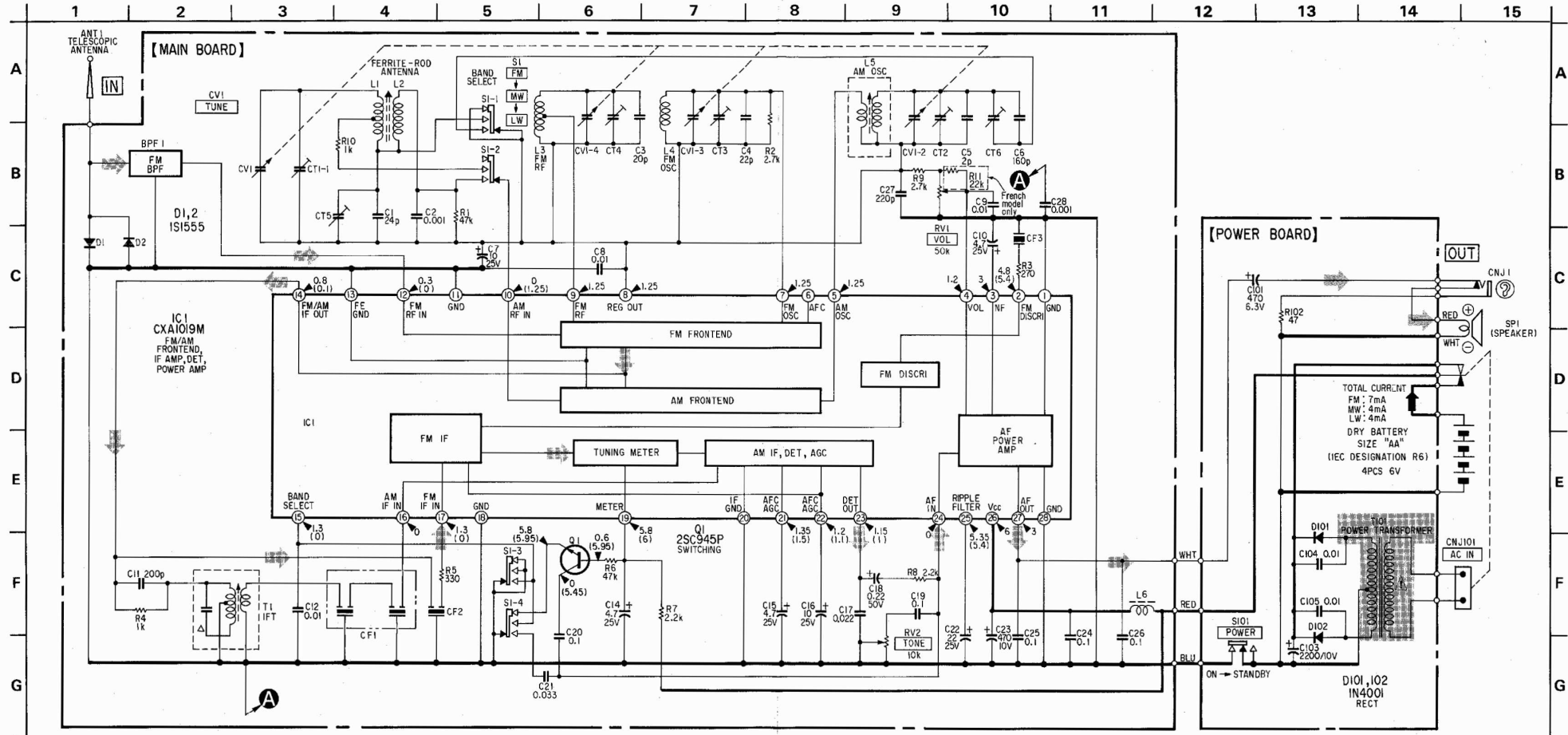
Ref.No.	Location
IC1	E-7
Q1	G-9
D1	D-10
D2	D-10
D101	C-3
D102	C-3

Note for Mounting Diagram

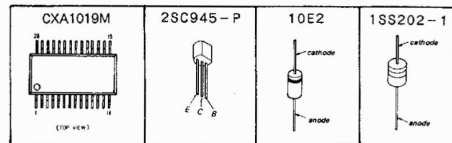
- — : parts extracted from the component side.
- — : parts extracted from the conductor side.
- : part mounted on the conductor side.
- : indicates side identified with part number.

ICF-750L ICF-750L

3-2. SCHEMATIC DIAGRAM.



Semiconductors Lead Layout



Notes for Schematic Diagram

- All capacitors are in μF unless otherwise noted. pF ; μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{2}\text{W}$ or less unless otherwise specified.
- : signal path.
- : internal component.
- **Switch**
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50k Ω /V).
- () : MW, LW no-mark: FM
- Voltage variations may be noted due to normal production tolerances.

Ref. No.	Switch	Position
S1	POWER	ON
S101	BAND SELECT	FM

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.