

Notes :

1. S1 : AC/BATTERY selector switch in "BATTERY" position.
2. S2 : Power source switch in "OFF" position.
3. S3 : Tone selector switch in "HIGH" position.
4. All resistor values in ohms (K=1000 Ω).
5. All capacitor values in micro farads (P = $\mu\mu\text{F}$).

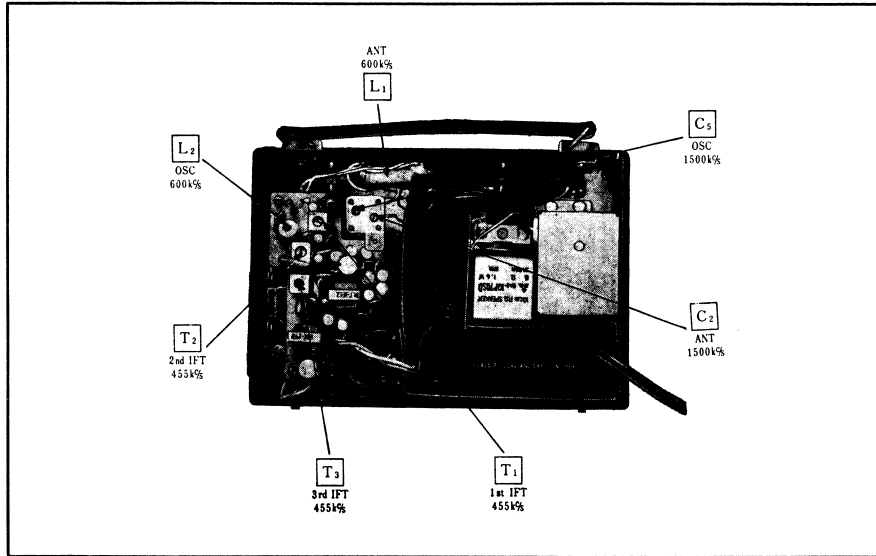


Fig. 5 Component View - Chassis Identification, Alignment points.

FREQUENCY & DISTANCE ON DIAL SCALE

To accurately align the proper frequencies to the dial scale, refer to Table and mark the edge on the dial scale plate accordingly using the "Start Point" mark on the dial scale as a reference point.

TABLE

Frequency	Distance from "Start Point"	
600 kc/s	15.7mm	5/8"
1500kc/s	56.1mm	2 1/4"

IF & RF ALIGNMENT

Output of signal generator should be no higher than necessary to obtain output reading. Set volume control to maximum. Set tone switch to "HIGH". Set power source voltage to 6 volt DC. Set AC/BATTERY switch to "BATTERY".

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kc/s (400~ Mod.)	Point of non-interference. (on/about 600 kc/s)	Output meter across voice coil	T ₃ (3rd IFT) T ₂ (2nd IFT) T ₁ (1st IFT)	Adjust for maximum output.
2	"	600 kc/s (400~ Mod.)	600 kc/s	"	L ₂ (OSC Coil) L ₁ (ANT Coil)	Adjust for maximum output by sliding coil (L ₁) along ferrite core.
3	"	1500 kc/s (400~ Mod.)	1500 kc/s	"	C ₅ (OSC Trimmer) C ₂ (ANT Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).

Note: Cement antenna bobbin with wax after completing alignment.

To Remove Chassis (Refer to Fig. 3.)

1. Remove two (2) knobs for volume and tuning controls.
2. Remove one (1) screw from the cabinet back cover.
3. Remove five (5) red chassis mounting screws, Nos. 1~5, as illustrated Fig. 3.
4. Remove earphone jack from cabinet.
5. To remove chassis completely, unsolder leads to speaker terminals.
6. To reassemble, reverse steps 1 through 5.

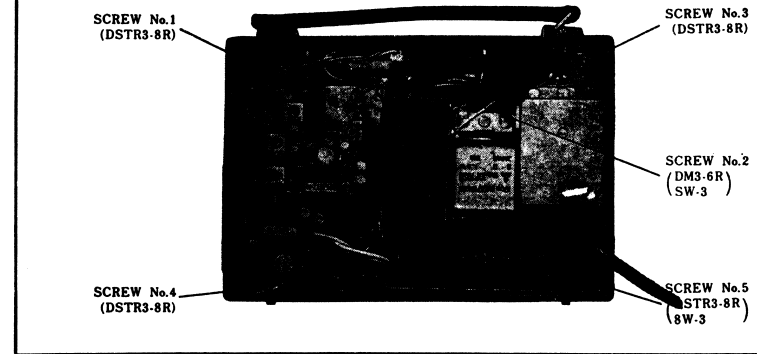


Fig. 3 Conductor View - Disassembly Parts.

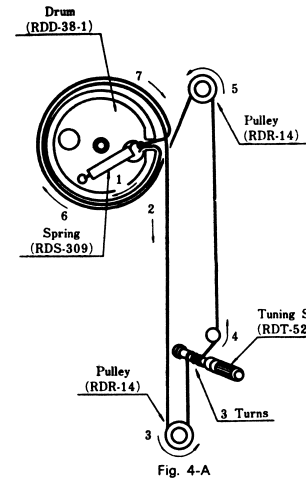


Fig. 4-A

Dial Cord Stringing Guide.

Notes:

1. Arrow marks (1~7) indicate correct order and direction of stringing dial cord.
2. Tuning gang is positioned at maximum capacity.
3. Cement dial cord ends.
4. Dial cord length is 19 1/2".

To Mount Dial Pointer

1. Set tuning gang fully closed position.
2. Set dial pointer to "0" point of dial scale.
3. Attach dial cord to dial pointer.

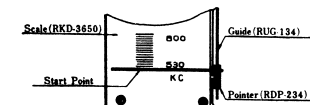
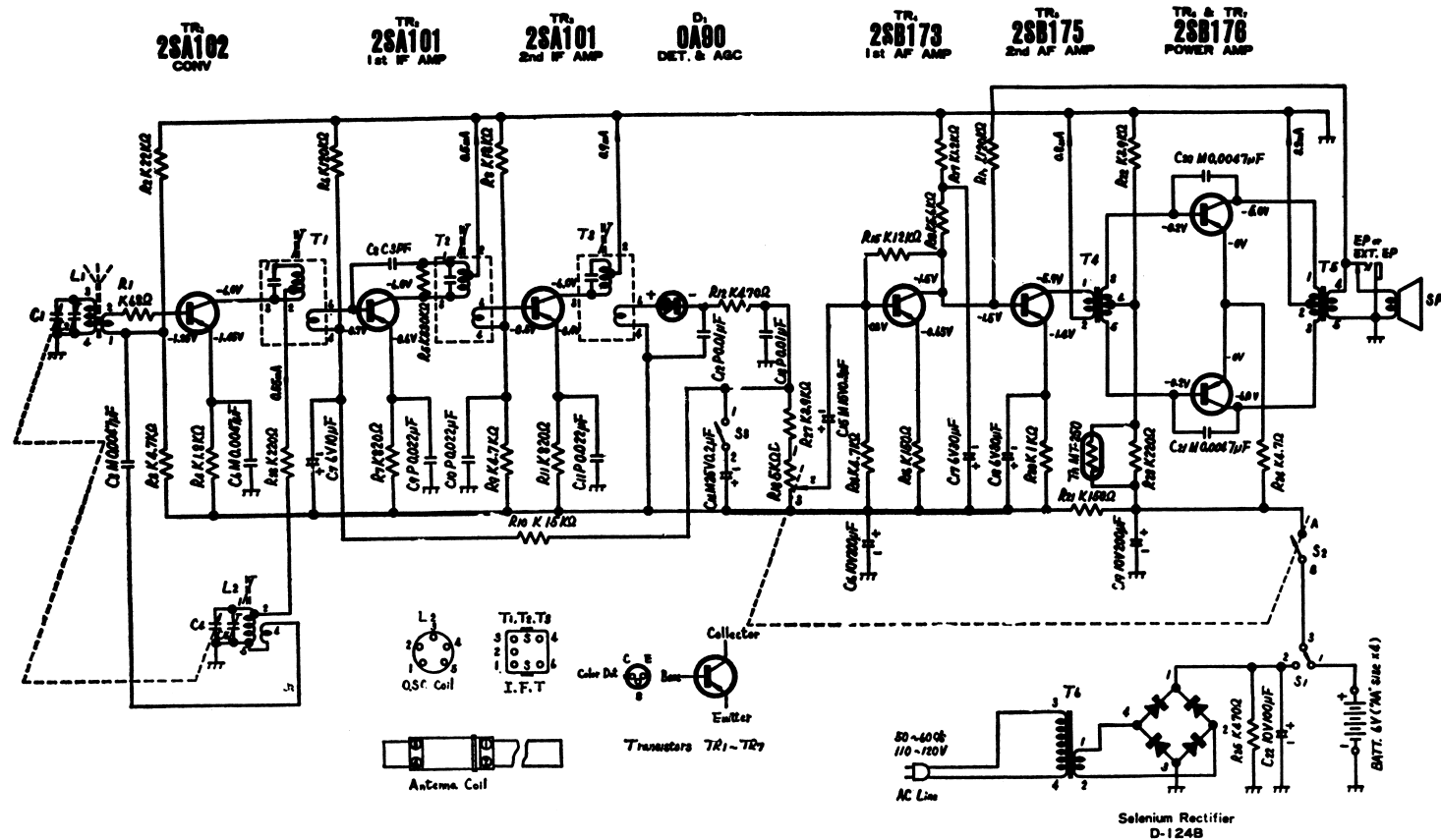


Fig. 4-B

Fig. 4 Dial Cord Stringing Guide.

**Notes :**

1. S_1 : AC/BATTERY selector switch in "BATTERY" position.
2. S_2 : Power source switch in "OFF" position.
3. S_3 : Tone selector switch in "HIGH" position.
4. DC Voltages measurements are taken with circuit tester (10 K Ω /V).
5. Capital letters (K, M, P, C) in the circuit diagram show allowable tolerances of resistors and capacitors as follows:

K = $\pm 10\%$ M = $\pm 20\%$ P = +100% C = $\pm 0.25PF$
- 0%

6. Battery Current :
No signal.....15mA
Maximum.....110mA
7. PF=pico farad=mmf
 μF =micro farad=MF