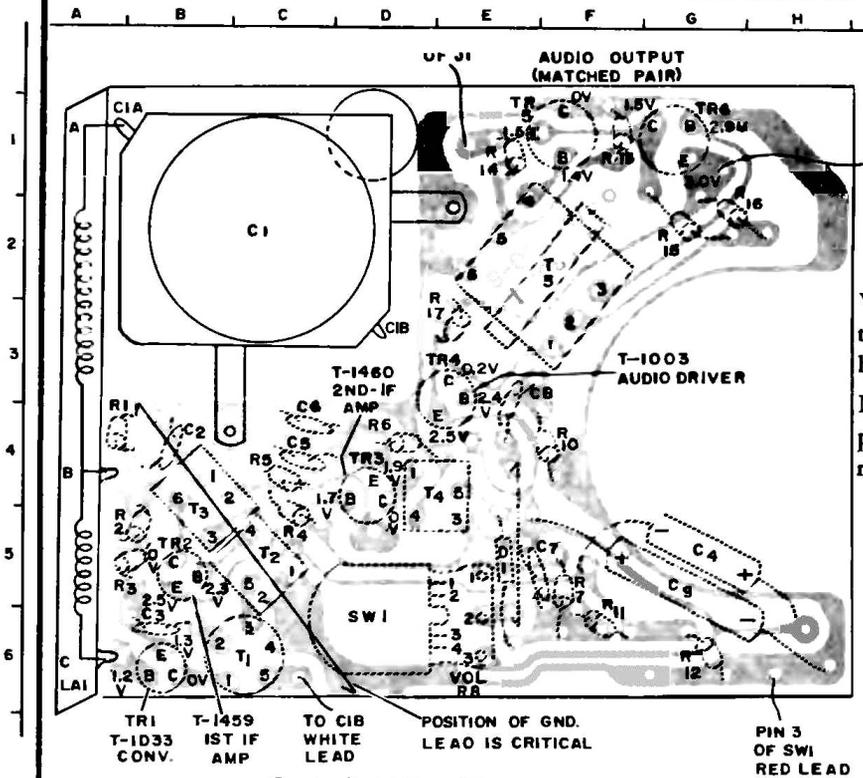


# PHILCO PORTABLE RADIO TRANSISTOR MODEL T-66, CODE 124



**NOTE:**  
 PIN 2 OF SW1  
 TO POS. TERM.  
 YEL. LEAD  
 PIN 4 OF SW1  
 TO NEG. TERM.  
 RED LEAD

## SERVICE NOTES

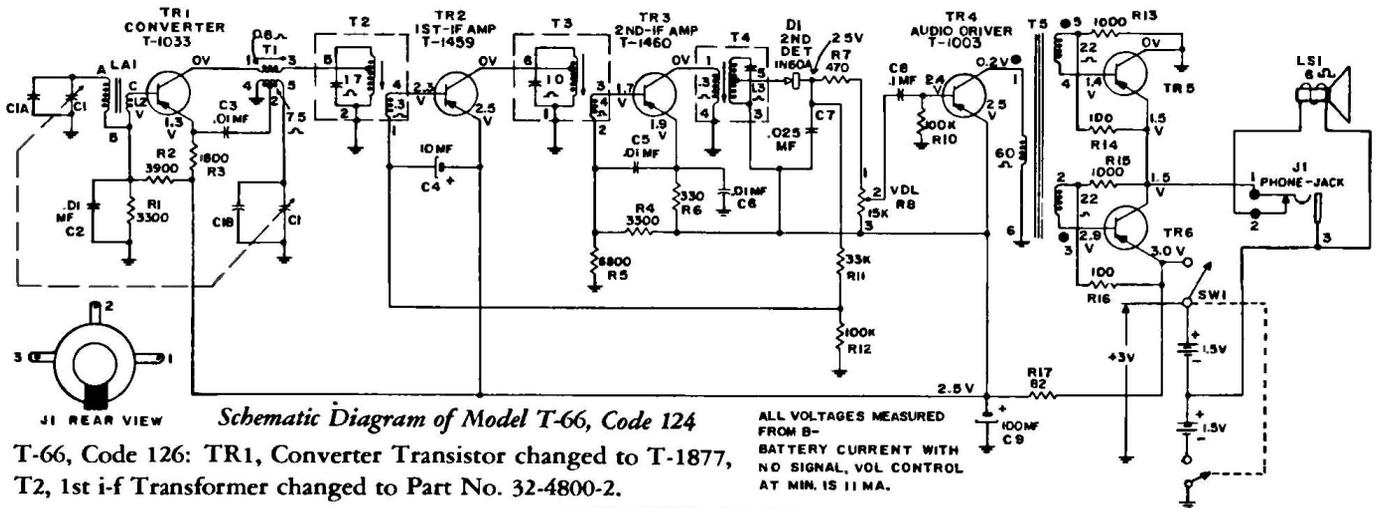
When signal tracing, inject signal at transistor collector and limit input to keep signal across speaker below .6 volt.

Normally, the transistors should be the last item suspected. If C9 opens serious audio oscillation will result.

### NOTE: Panel Removal

Before panel can be removed from cabinet, a screw located next to the 2nd I-F transformer (C4 graph location) must be removed. Then depress clips on each side of cabinet. Speaker will remain in cabinet.

Composite Bottom View



Schematic Diagram of Model T-66, Code 124

T-66, Code 126: TR1, Converter Transistor changed to T-1877,  
 T2, 1st i-f Transformer changed to Part No. 32-4800-2.

ALL VOLTAGES MEASURED FROM BATTERY CURRENT WITH NO SIGNAL, VOL CONTROL AT MIN. IS 11 MA.

## ALIGNMENT CHART

| STEP | SIGNAL GENERATOR   |              | RADIO                             |   | ADJUST                                 |
|------|--|--------------|-----------------------------------|---|--|
|      | CONNECTION TO RADIO  | DIAL SETTING | DIAL SETTING                      | SPECIAL INSTRUCTIONS  |  |
| 1    | Connect signal generator through a .1-uf. condenser to ant. section of gang.             | 455 kc.      | Tuning gang fully open.           | Adjust for maximum output in order given.                                 | T4—3rd I-F<br>T3—2nd I-F<br>T2—1st I-F |
| 2    | Use radiating loop. (See NOTE 1 below)   | 600 kc.      | 600 kc.                           | Adjust for maximum output. Rock tuning gang while making this adjustment. | T1—osc. core                           |
| 3    | Same as step 2.  | 1620 kc.     | 1620 kc. (Tuning gang fully open) | Adjust for maximum output.  | C1B—osc. trimmer                       |
| 4    | Same as step 2.  | 1400 kc.     | 1400 kc.                          | Adjust for maximum output.  | C1A—antenna trimmer                    |
| 5    | Repeat steps 2, 3 and 4 until no further improvement is obtained. Always stop on step 4. |              |                                   |   |  |

NOTE 1. Use a 6-to-8-turn, 6-inch-diameter loop made up of insulated wire. Connect to generator terminals, and place about one foot from radio loop.