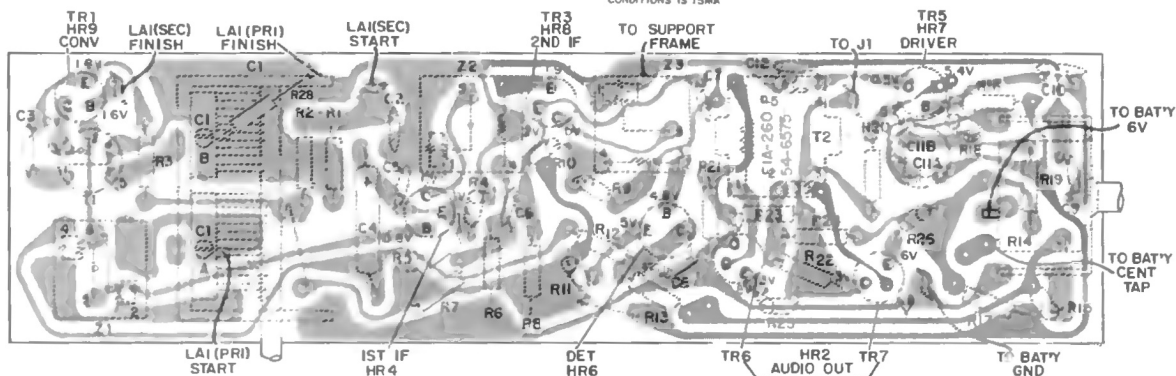
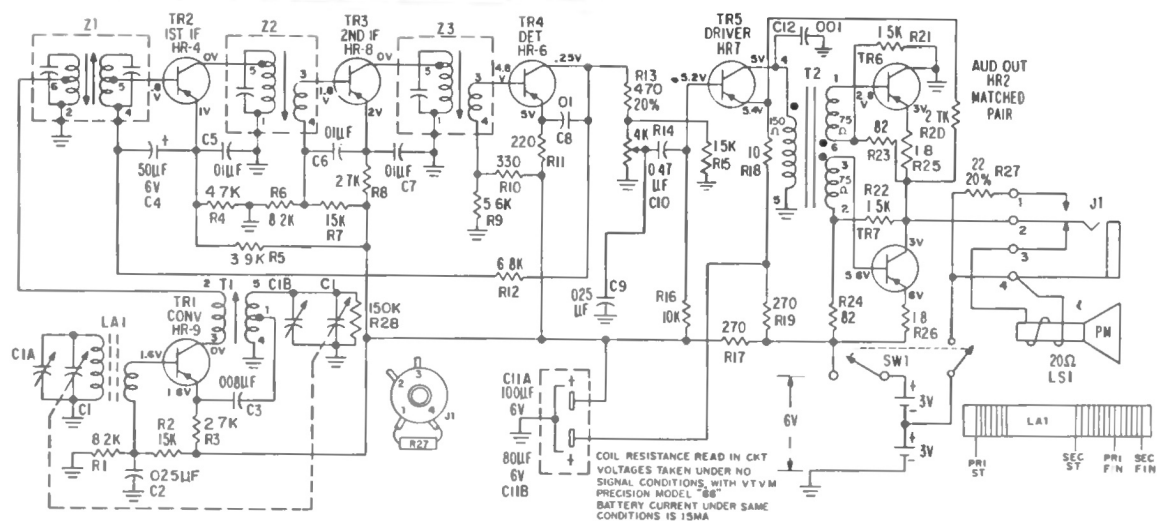


PHILCO

TRANSISTOR PORTABLE MODEL T-703 CODE 124



Bottom Composite View of Perma-Circuit Panel

ALIGNMENT PROCEDURE

Allow the test equipment to warm up for fifteen minutes before starting the alignment procedure. Connect the output indicator (a-c voltmeter, or an oscilloscope) across the voice-coil terminals. Use an AM r-f signal generator. Connect the ground lead to chassis, and connect the output lead as indicated in the alignment chart. Attenuate the signal-generator output throughout the alignment so as to maintain the output level below 1 volt.

SIGNAL GENERATOR			RADIO		
STEP	CONNECTION TO RADIO	DIAL SETTING	DIAL SETTING	SPECIAL INSTRUCTIONS	ADJUST
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.	Z3 - 3rd i-f Z2 - 2nd i-f Z1 - 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.