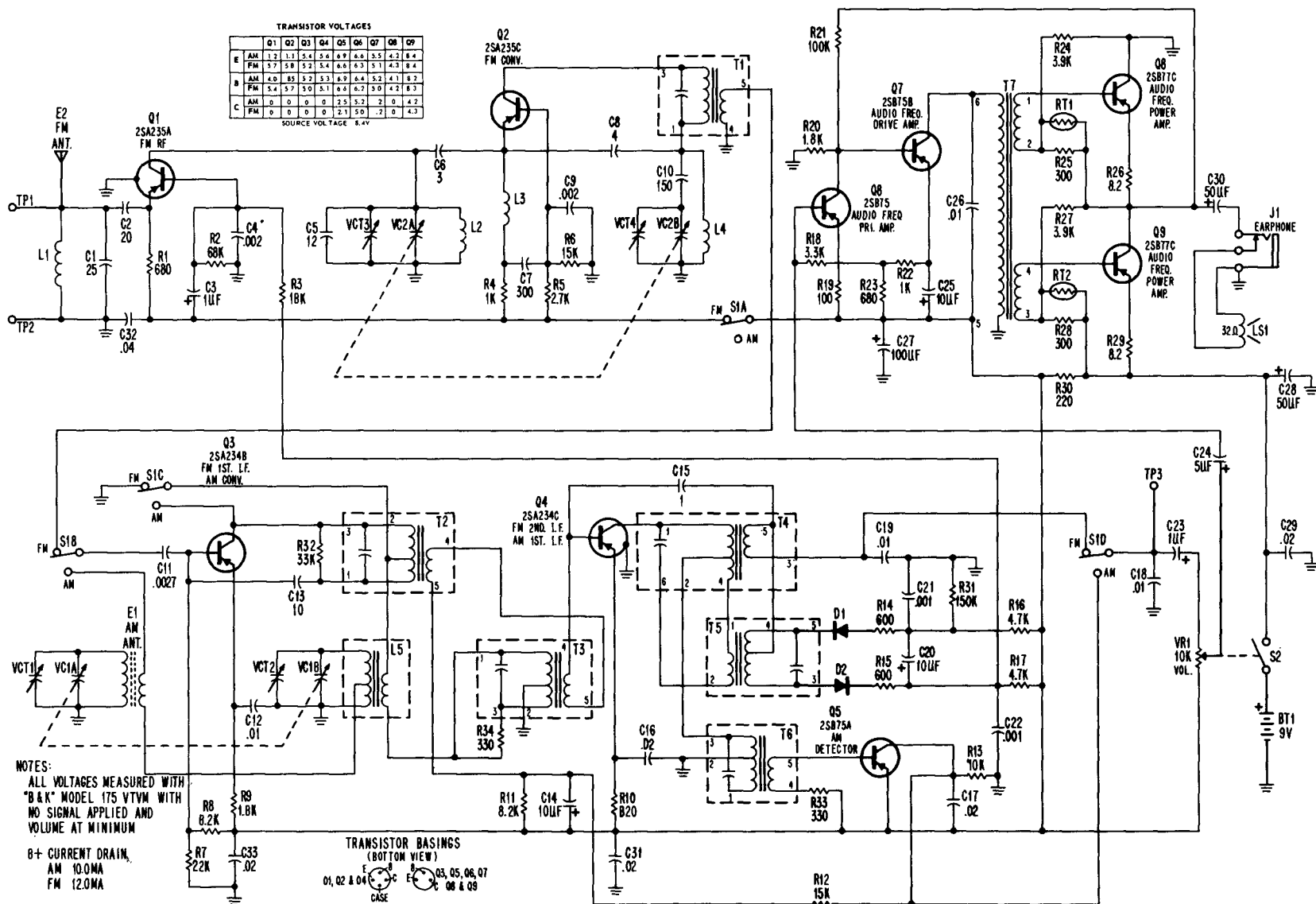




4 REPEAT 2 & 3 UNTIL NO FURTHER IMPROVEMENT IS OBTAINED.

5 SAME AS STEP 1

90MHZ
400HZ @
75KHZ
DEV.

90MHZ

ADJUST FOR MAX. OUTPUT.

L2

6 SAME AS STEP 1

106MHZ

106MHZ

ADJUST FOR MAX. OUTPUT.

VCT3

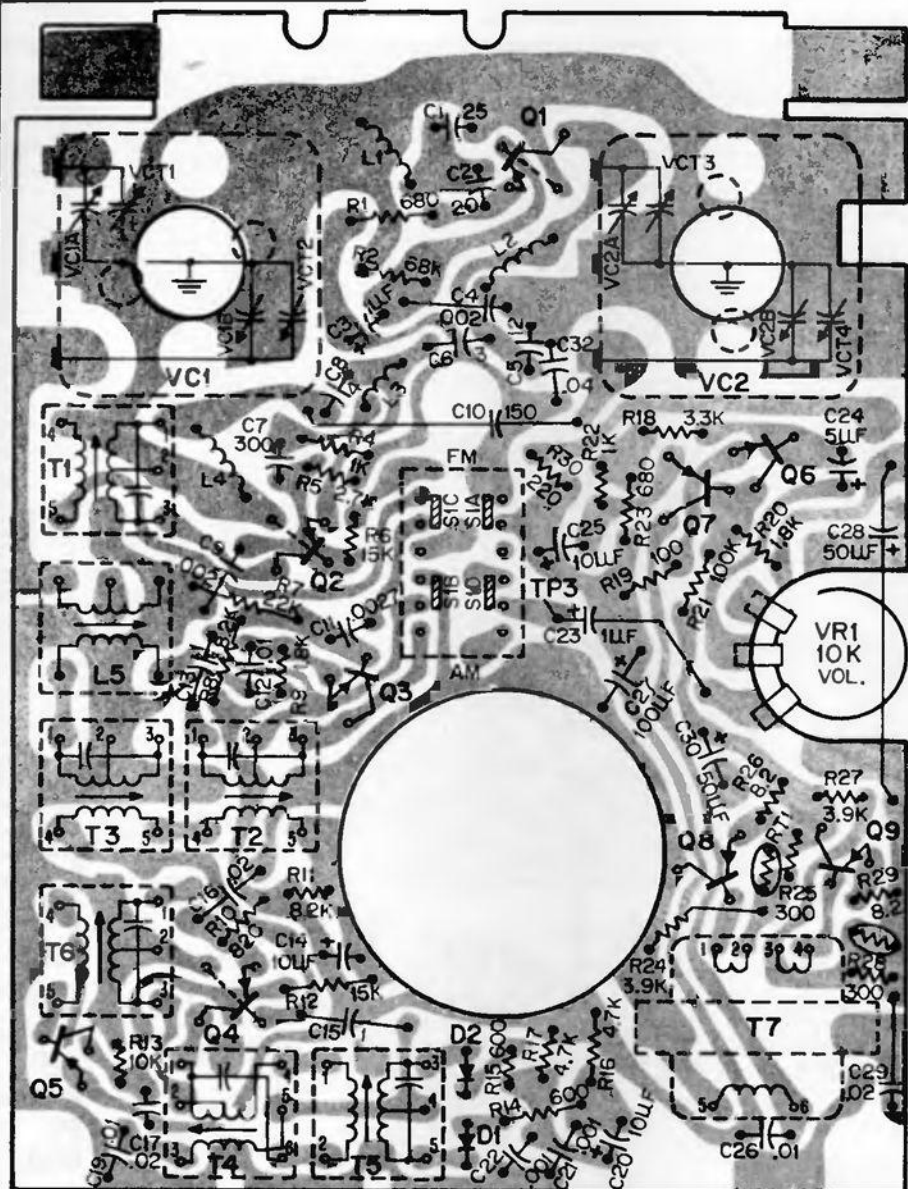
← FM Alignment Cont.

PHILCO

AM-FM TRANSISTOR PORTABLE RADIO MODEL ST-919

~~(Continued on next page.)~~

Bottom View Perma Circuit for Components—Model ST-919



FM Alignment

SIGNAL GENERATOR			RADIO		
STEP	CONNECTION TO RADIO	DIAL SETTING	DIAL SETTING	SPECIAL INSTRUCTIONS	ADJUST
1	TP1 (RF INPUT) INPUT IMP. 75Ω	10.7MHz ± 75KHz SWEEP	TUNING GANG FULLY OPEN	ADJUST FOR MAX. OUTPUT AND BEST SYMMETRY IN ORDER GIVEN.	T1, T2, T4, T5
2	SAME AS STEP 1	86MHz 400Hz @ 75KHz DEV.	TUNING GANG FULLY CLOSED	ADJUST FOR MAX. OUTPUT.	L4
3	SAME AS STEP 1	110MHz 400Hz @ 75KHz DEV.	TUNING GANG FULLY OPEN	ADJUST FOR MAX. OUTPUT.	VCT4

AM ALIGNMENT

SIGNAL GENERATOR			RADIO		
STEP	CONNECTION TO RADIO	DIAL SETTING	DIAL SETTING	SPECIAL INSTRUCTIONS	ADJUST
1	TEST LOOP - LOOSE COUPLED	455KHZ 400HZ @ 30% MOD.	TUNING GANG FULLY OPEN	ADJUST FOR MAX. OUTPUT IN ORDER GIVEN.	T3-1ST IF T6-2ND IF
2	SAME AS STEP 1	525KHZ 400HZ @ 30% MOD.	TUNING GANG FULLY CLOSED	ADJUST FOR MAX. OUTPUT.	L5-OSC. COIL
3	SAME AS STEP 1	1650KHZ 400HZ @ 30% MOD.	TUNING GANG FULLY OPEN	ADJUST FOR MAX. OUTPUT.	VCT2
4	SAME AS STEP 1	600KHZ 400HZ @ 30% MOD.	600KHZ	ADJUST FOR MAX. OUTPUT (MOVE COIL ON CORE)	E1-ANT. COIL
5	SAME AS STEP 1		1400KHZ	ADJUST FOR MAX. OUTPUT	VCT1

FM Alignment continued