

SIGNAL GENERATOR

RADIO

STEP	CONNECTION TO RADIO	DIAL SETTING	DIAL SETTING	ADJUST
1	RADIATING LOOP (SEE NOTE 1)	455 KHZ	TUNING GANG FULLY OPEN	T8, T6 & T10
2	SAME AS STEP 1	1650 KHZ	TUNING GANG FULLY OPEN	VCTD AM OSC.
3	SAME AS STEP 1	1400 KHZ	1400 KHZ	VCTC ANT. TRIM.
4	SAME AS STEP 1	600 KHZ	600 KHZ	AM OSC. T12

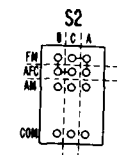
ALL TRANSISTOR BASINGS

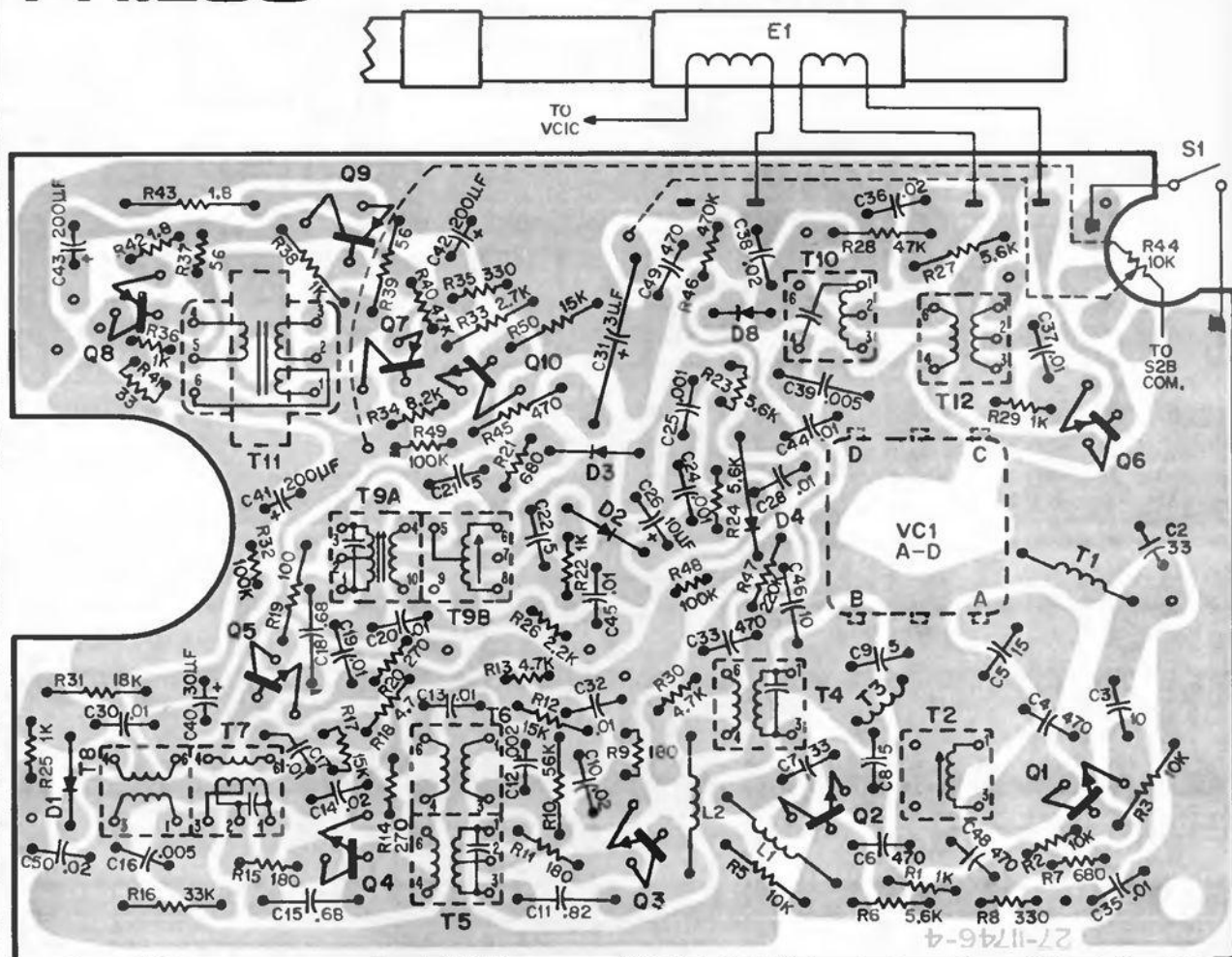


BOTTOM VIEW

NOTES:

ALL VOLTAGES MEASURED WITH VTVM B&K MODEL 175.
BANDSWITCH SET ON FM EXCEPT FOR Q6 (AM CONV.)
VOLUME SET FOR MINIMUM AND NO SIGNAL.
Q6 VOLTAGES MEASURED ON AM.





Bottom View-Perma Circuit Panel Component Layout-Model ST984

INTERMEDIATE FREQUENCY: AM, 455 KHz

FM, 10.7 MHz

FM ALIGNMENT

SIGNAL GENERATOR			RADIO		
STEP	CONNECTION TO RADIO	DIAL SETTING	DIAL SETTING	SPECIAL INSTRUCTIONS	ADJUST
1	COLLECTOR OF Q1 THRU .01 MF CAPACITOR	10.7 MHz ±75 KHz SWEEP	TUNING GANG FULLY OPEN	ADJUST FOR MAXIMUM OUTPUT IN ORDER GIVEN. REDUCE GENERATOR OUTPUT AS NECESS.	T9A, T7, T5 & T4
2	SAME AS STEP 1	10.7 MHz 30% AM	TUNING GANG FULLY OPEN	ADJUST FOR MINIMUM OUTPUT (A NULL BETWEEN TWO PEAKS)	T9B
3	REPEAT STEPS 1 AND 2 UNTIL NO FURTHER IMPROVEMENT IS OBTAINED.				
4	CONNECT TO ANTENNA TERMINAL THRU 47 OHM RESISTOR	87.5 MHz ±75 KHz	TUNING GANG FULLY CLOSED	ADJUST FOR MAX. OUTPUT.	T3 (SEE NOTE "A") FM OSC.
5	SAME AS STEP 4	108.5 MHz ±75 KHz	TUNING GANG FULLY OPEN	ADJUST FOR MAX. OUTPUT.	VCTB FC OSC.
6	REPEAT STEPS 4 AND 5 UNTIL NO FURTHER IMPROVEMENT IS OBTAINED.				
7	SAME AS STEP 4	90 MHz ±75 KHz	90 MHz	ADJUST FOR MAX. OUTPUT.	T2
8	SAME AS STEP 4	105 MHz ±75 KHz	105 MHz	ADJUST FOR MAX. OUTPUT.	VCTA
9	REPEAT STEPS 7 AND 8 UNTIL NO FURTHER IMPROVEMENT IS OBTAINED.				