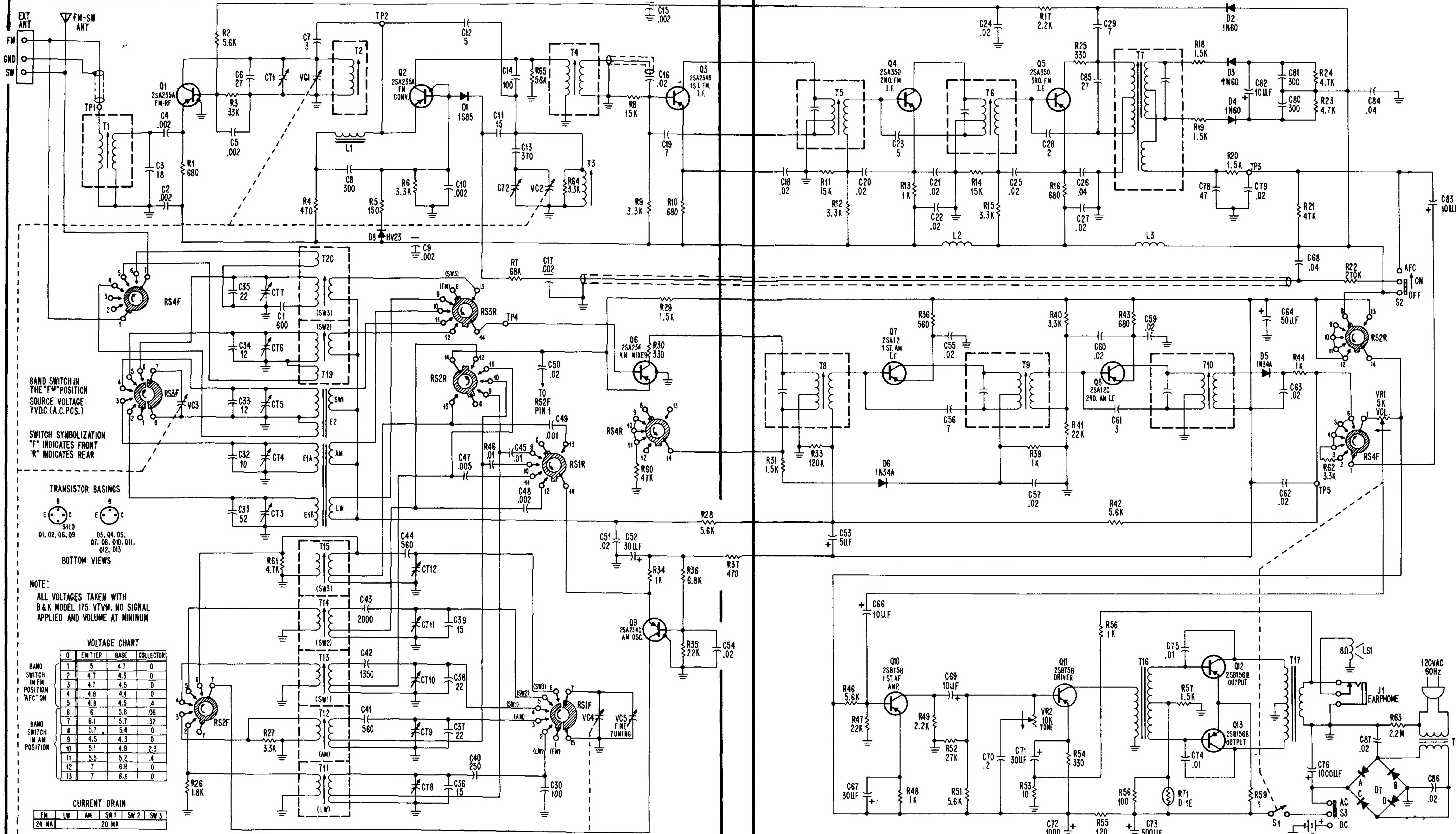


PHILCO MODEL ST989BK



BAND SWITCH IN THE "FM" POSITION SOURCE VOLTAGE: 7VDC (A.C. POS.)

SWITCH SYMBOLIZATION "F" INDICATES FRONT "R" INDICATES REAR

TRANSISTOR BASINGS

Q1, Q2, Q6, Q9
Q3, Q4, Q5, Q7, Q8, Q10, Q11, Q12, Q13

BOTTOM VIEWS

NOTE: ALL VOLTAGES TAKEN WITH B & K MODEL 175 VTVM, NO SIGNAL APPLIED AND VOLUME AT MINIMUM

VOLTAGE CHART

BAND SWITCH IN FM POSITION "AFC" ON	0	EMITTER	BASE	COLLECTOR
1	5	4.7	0	0
2	4.7	4.3	0	0
3	4.7	4.5	0	0
4	4.8	4.4	0	0
5	4.8	4.5	0	0
6	6	5.8	0.6	0
7	6.1	5.7	3.2	0
8	5.7	5.4	0	0
9	4.5	4.3	0	0
10	5.1	4.9	2.3	0
11	5.5	5.2	0	0
12	7	6.8	0	0
13	7	6.8	0	0

CURRENT DRAIN

FM	LW	AM	SW 1	SW 2	SW 3
24 MA					
			20 MA		

FREQUENCY COVERAGE: FM-88MHz to 108MHz
AM-540KHz to 1620KHz
LW-150KHz to 350KHz
SW1-1.5MHz to 4.5MHz
SW2-3MHz to 9MHz
SW3-9MHz to 22MHz

INTERMEDIATE FREQUENCY: AM - 455KHz
FM - 10.7MHz

DISASSEMBLY INSTRUCTIONS

1. Remove 2 cross-recess screws from the rear of the cabinet and unsnap the battery compartment lid.
2. Carefully pull the line cord box out of the unit. Also remove the battery case.

3. Remove 1 cross-recess screw from the chassis next to the power transformer and 1 cross-recess screw from the front of the tuner mounting bracket.
4. Remove 3 nuts, 2 on the left hand side of the chassis and 1 between the rotary switch bracket and the P.W. Panel.
5. Loosen the screw on the AFC knob and pull the knob off.
6. Remove J1 and S3 from the jack panel on the right-hand side. Do not remove the panel itself.
7. Lift the chassis on the right side slightly and pull to the right to clear the rotary switch shaft from the side of cabinet. Lift the chassis straight up to clear cabinet.

PHILCO

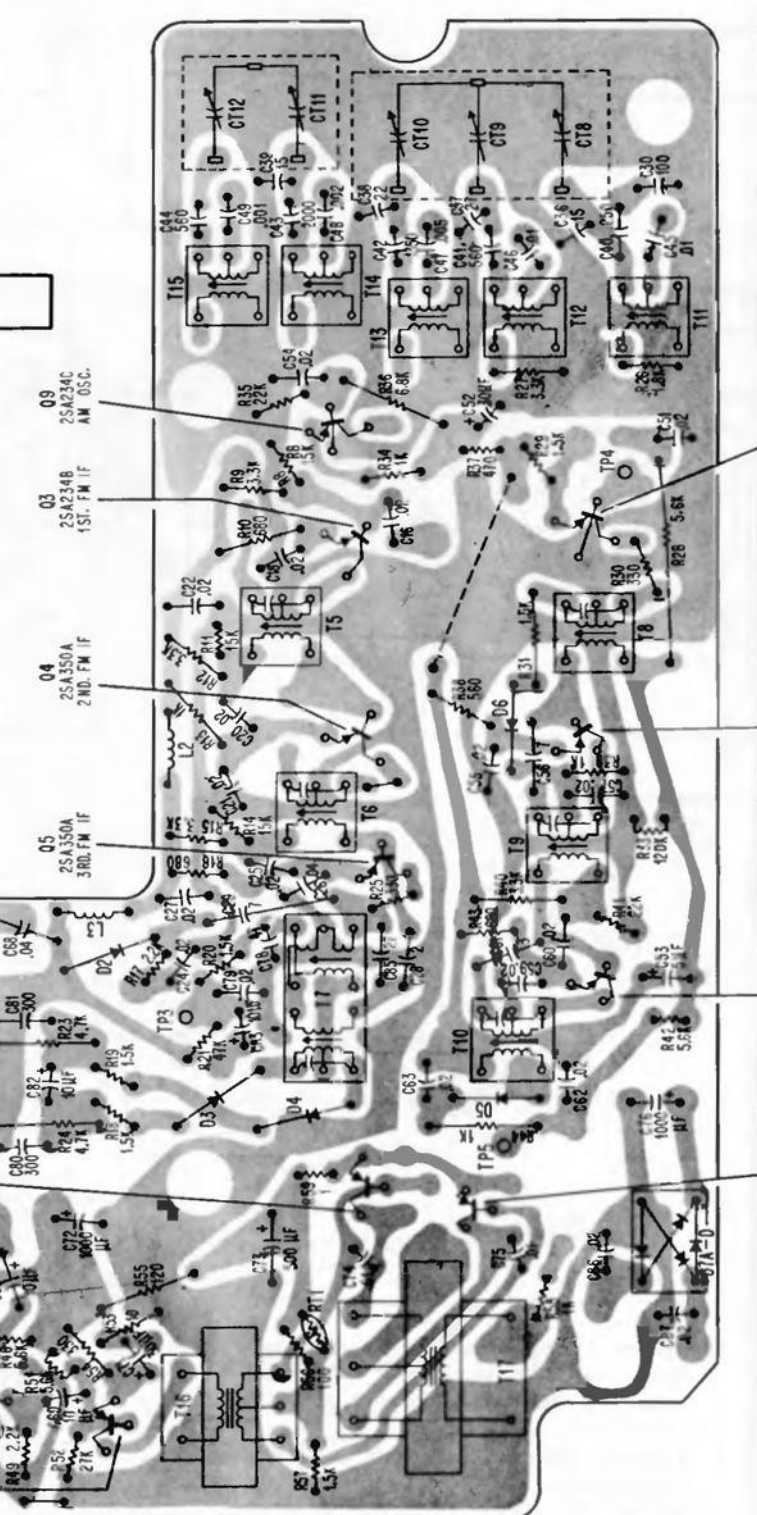
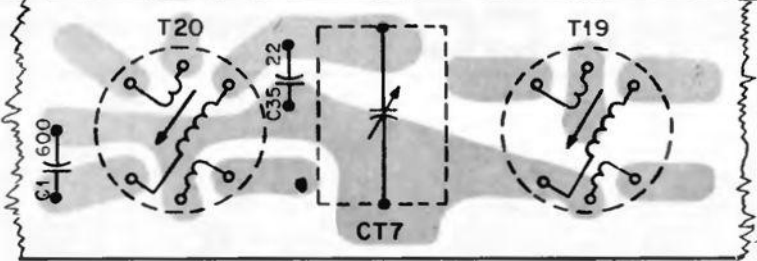
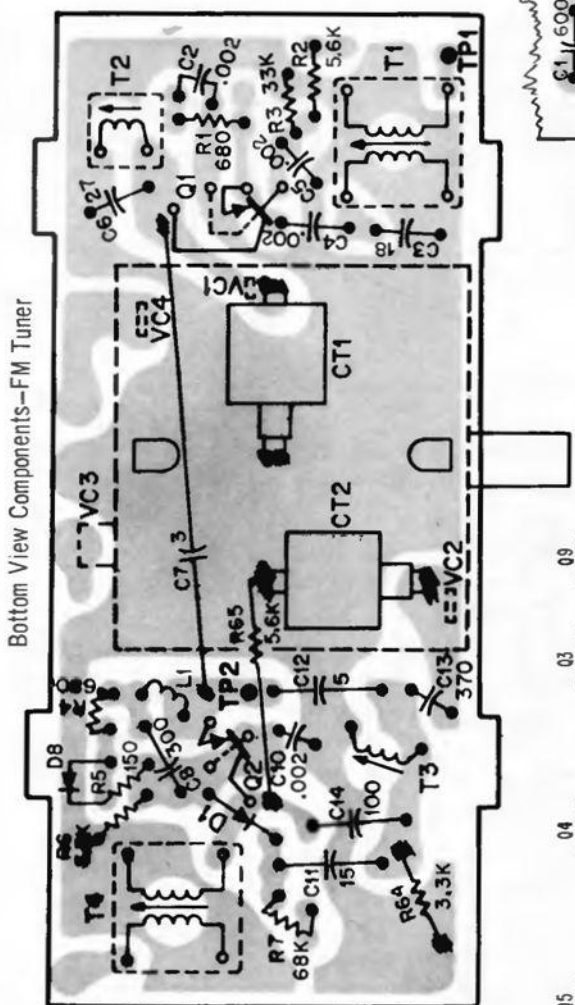
MODEL ST989BK

Bottom View Components—FM Tuner

ANTENNA: AM-LW-SW1, self contained magnecore SW2, SW3, FM, telescopic adjustable monopole Terminal panel provided for external FM and SW antennas

FREQUENCY COVERAGE: FM-88MHz to 108MHz
AM-540KHz to 1620KHz
LW-150KHz to 350KHz
SW1-1.5MHz to 4.5MHz
SW2-3MHz to 9MHz
SW3-9MHz to 22MHz

INTERMEDIATE FREQUENCY: AM - 455KHz
FM - 10.7MHz



Bottom View Components—IF & Audio Panel