

PHILCO PORTABLE RADIO TRANSISTOR MODEL T-901, CODE 124

Reference Symbol	Location	Description	Reference Symbol	Location	Description	Reference Symbol	Location	Description
C1	—	Capacitor, variable, tuning	R6	B1	Resistor, 1.0K Ω , r-f amp. base	R33	J1	Resistor, 22 Ω , jack
C2	A6	Capacitor, .008 mfd, r-f base	R7	B5	Resistor, 47K Ω , mixer base	SW1	R21	Switch
C3	C8	Capacitor, .008 mfd, r-f emitter	R8	B2	Resistor, 39K Ω , mixer base	T1	E8	XFMR, osc.
C4	F7	Capacitor, .008 mfd, osc. emitter	R9	D5	Resistor, 3.3K Ω , mixer emitter	T2	N7	XFMR, aud. out.
C5	F6	Capacitor, .008 mfd, osc. base	R10	A3	Resistor, 1.0K Ω , 1st i-f base	TR1	A7	Transistor, r-f amp., T-1233
C6	B5	Capacitor, .008 mfd, mixer base	R11*	E3	Resistor, 1.2K Ω , 1st i-f emit.	TR2	F7	Transistor, osc., T-1306
C7	D7	Capacitor, .008 mfd, mixer emitter	R12*	F1	Resistor, 1.2K Ω , 1st i-f emit.	TR3	D5	Transistor, mixer, T-1033
C8	E3	Capacitor, .008 mfd, 1st i-f	R13	E5	Resistor, 8.2K Ω , 2nd i-f base	TR4	D1	Transistor, 1st i-f, T-1233
C9	E1	Capacitor, .008 mfd, 1st i-f	R14	F5	Resistor, 15K Ω , 2nd i-f base	TR5	H3	Transistor, 2nd i-f, T-1232
C10	F5	Capacitor, .008 mfd, 2nd i-f	R15	H5	Resistor, 2.7K Ω , 2nd i-f emit.	TR6	H5	Transistor, det., T-1033
C11	H2	Capacitor, .008 mfd, 2nd i-f	R16	M4	Resistor, 10K Ω , 2nd det. base	TR7	L7	Transistor, aud. drive, T-1001
C12	K5	Capacitor, .008 mfd, det. base	R17	M4	Resistor, 220 Ω , 2nd det. base	TR8**	R9	Transistor, aud. out., T-1007
C13	J6	Capacitor, .025 mfd, det. collector	R18	K5	Resistor, 82 Ω , 2nd det. emit.	TR9**	R8	Transistor, aud. out., T-1007
C14	G9	Capacitor, .1 mfd, volume control	R19	J6	Resistor, 6.8K Ω , 2nd det. col.	X1	K7	Choke, 400 μ h
C15	L6	Capacitor, 40 mfd, AVC filter	R20	H7	Resistor, 330 Ω , 2nd det. col.	Z1	B6	Transformer, R-F transistor
C16*	M5	Capacitor, 40 mfd, AVC filter	R21	—	Resistor, 4K Ω , var. vol. control	Z2	B3	Transformer, 1st I-F
C17	L8	Capacitor, 10 mfd, Audio coupling	R22	L9	Resistor, 330 Ω , driver input filter	Z3	F3	Transformer, 2nd I-F
C18A*	N5	Capacitor, 200 mfd, B+ filter	R23*	M6	Resistor, 3.9K Ω , aud. driver base	Z4	J3	Transformer, 3rd I-F
C18B*	N5	Capacitor, 100 mfd, driver emitter	R24*	Q3	Resistor, 120 Ω , B+ filter			
J1	Case	Jack, listening	R25*	Q4	Resistor, 220 Ω , aud. driver emit.			
LA1	Case	Antenna coil	R26	Q8	Resistor, 2.7K Ω , aud. feed-back			
LS1	Case	Speaker, 12 Ω V.C., 4 inch	R27	P3	Resistor, 1.5K Ω , aud. collector			
R1	G8	Resistor, 1.5K Ω , r-f amp. emit.	R28	R5	Resistor, 1.5K Ω , aud. output col.			
R2*	C9	Resistor, 1.5K Ω , r-f amp. emit.	R29	Q5	Resistor, 68 Ω , TR8 base			
R3	C8	Resistor, 4.7K Ω , osc. emit.	R30	S3	Resistor, 68 Ω , TR9 base			
R4	H8	Resistor, 12K Ω , osc. base	R31	S6	Resistor, 1.8 Ω , TR8 emitter			
R5	H6	Resistor, 3.9 K Ω , osc. base	R32	R5	Resistor, 1.8 Ω , TR9 emitter			

* RUN 2—CHANGE INFORMATION

C16—deleted	R12—1.5K Ω
C18A—400 mfd	R23—12K Ω
C18B—300 mfd	R24—270 Ω
R2—1.8K Ω	R25—390 Ω
R11—1.5K Ω	

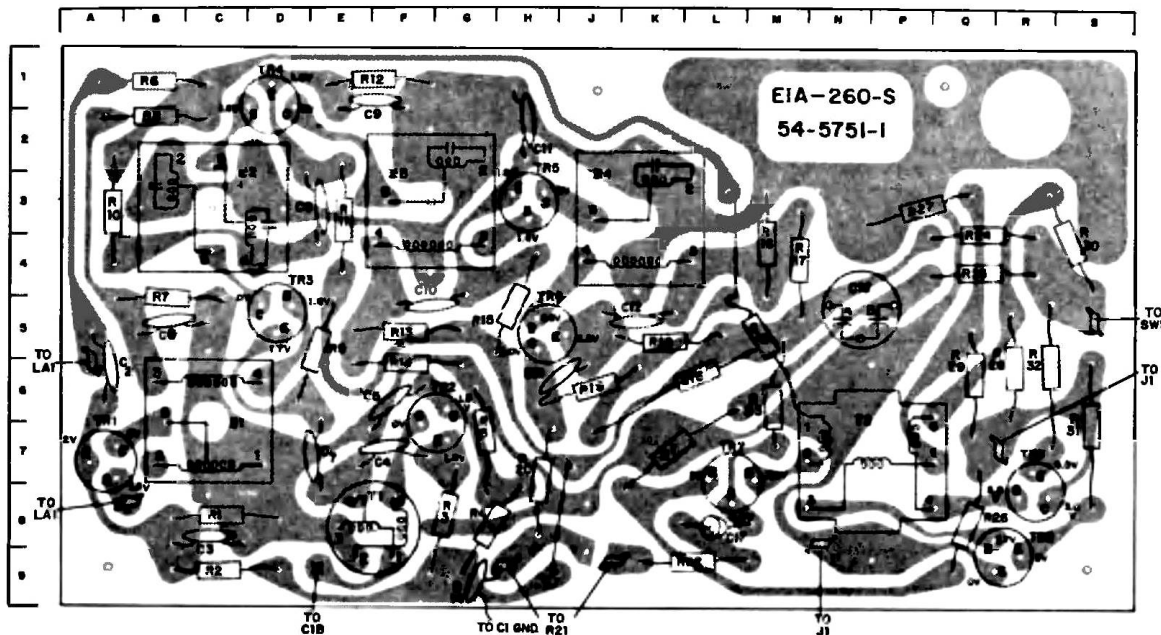
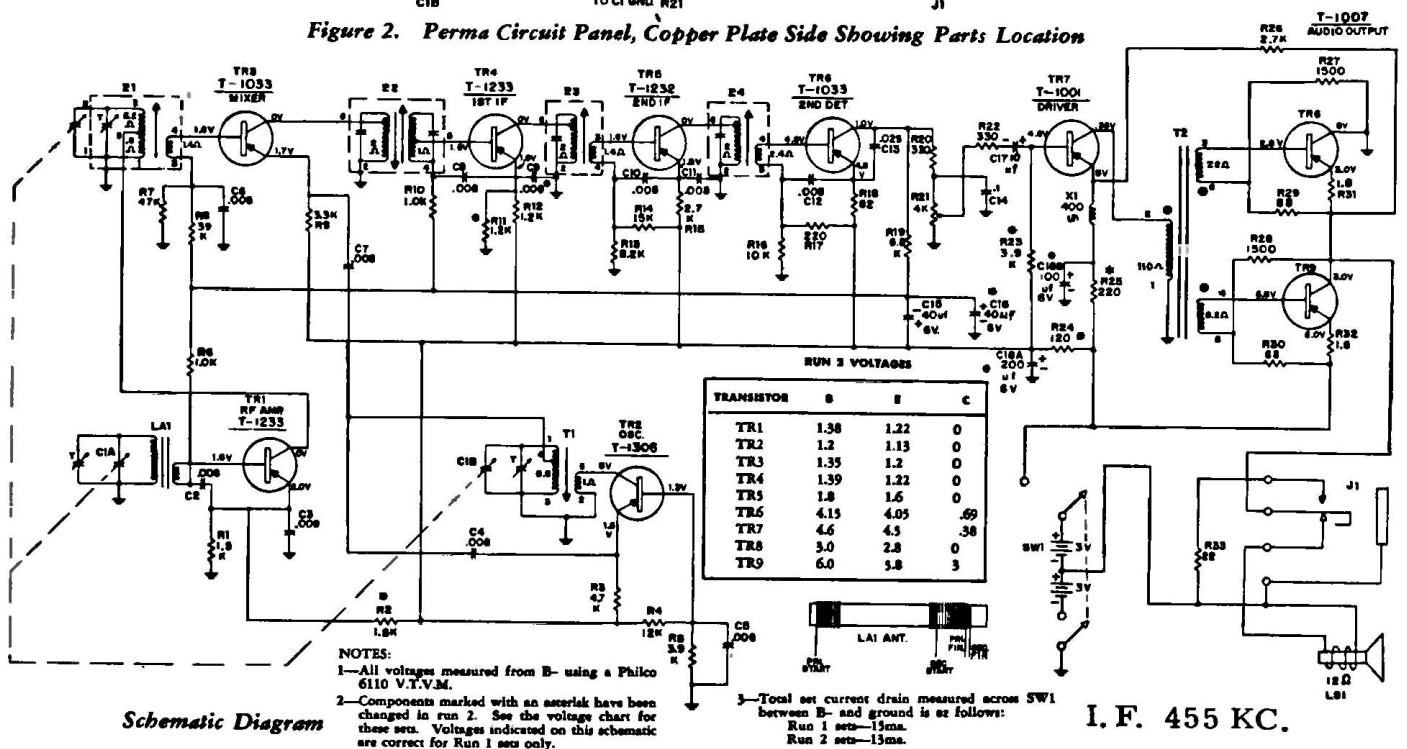


Figure 2. Perma Circuit Panel, Copper Plate Side Showing Parts Location



Schematic Diagram

I. F. 455 KC.