



SCHEMATIC DIAGRAM

Q1 2SA101
CONV.

Q2 2SA101
IF-1ST

Q3 2SA101
IF-2ND

Q4 0A-90
DET.

Q5 2SB175
AF-1ST

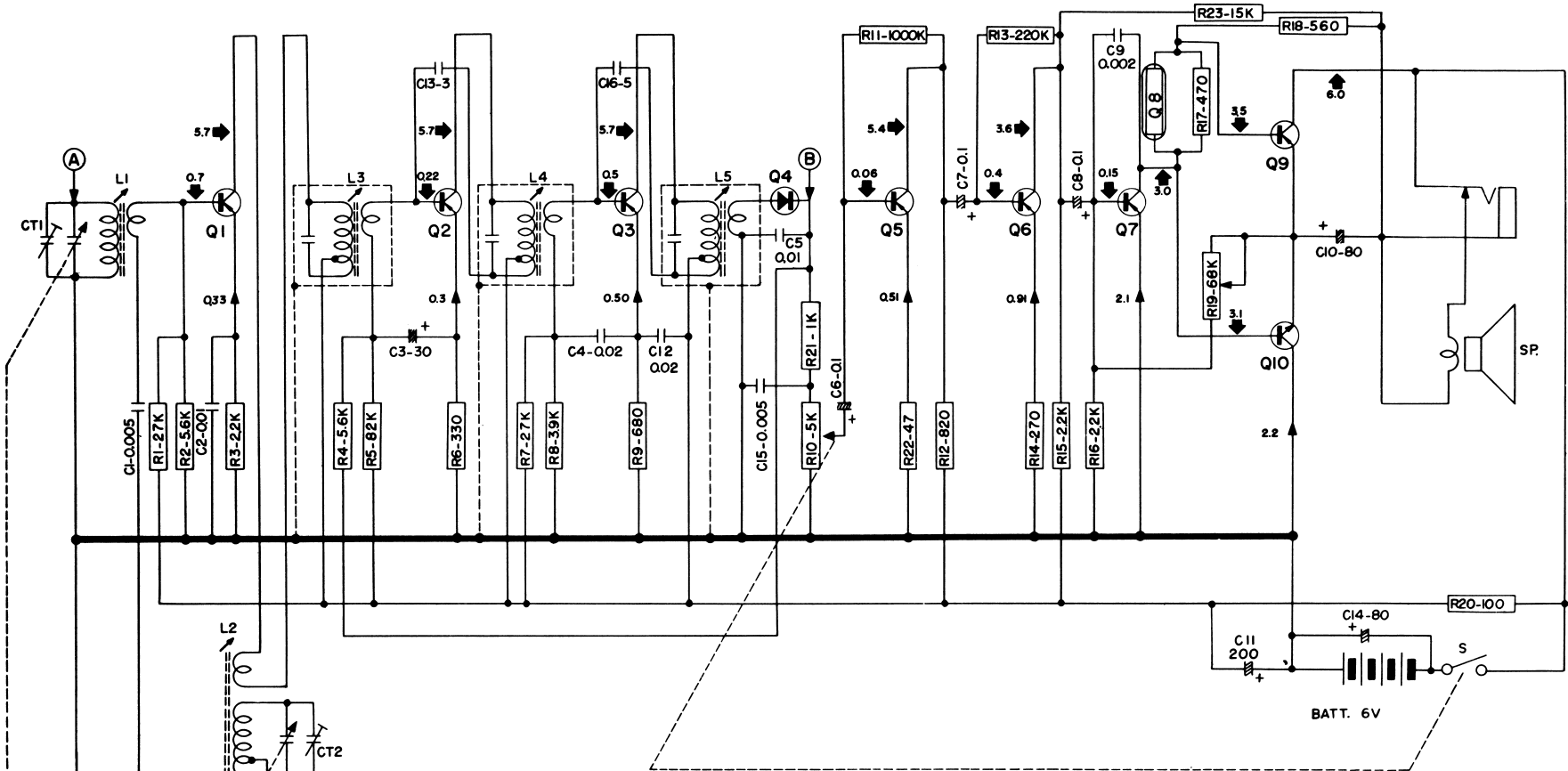
Q6 2SB175
AF-2ND

Q7 2SB33
AF-3RD

Q8 TD-82
TEMP. COMP.

Q9 2SB33
OUTPUT

Q10 2SD33
OUTPUT

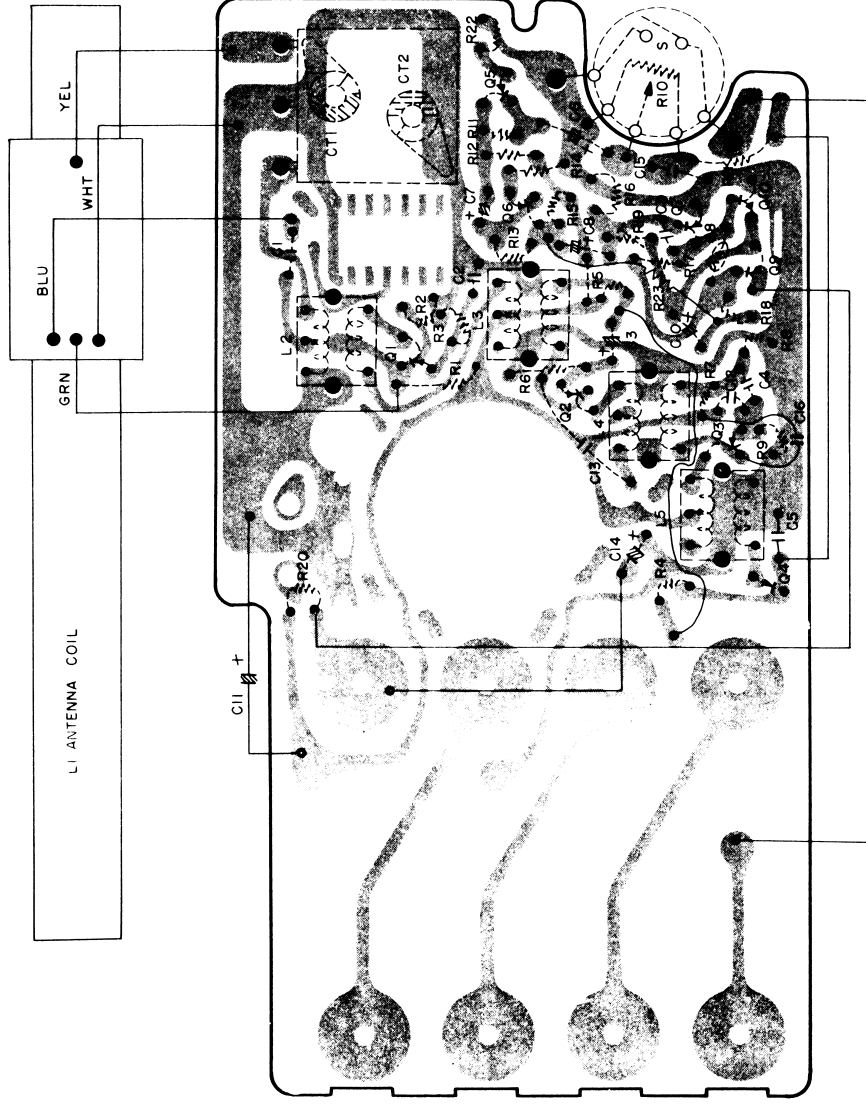


ALL RESISTANCE VALUES IN OHMS
ALL CAPACITANCE VALUES IN MICROFARADS

K = 1000 P = $\frac{1}{1,000,000}$

NOTE (1) BATTERY: 4 x SIZE "AA" 1.5 VOLT BATTERY (JIS UM-3)
 (2) VOLTAGE MEASURED FROM "COMMON POSITIVE" WIRING AT NO SIGNAL
 ↓ VOLTAGE (VOLTS) ↑ : CURRENT (MILLIAMPERES)

PRINTED CIRCUIT BOARD-WIRING SIDE



ALIGNMENT PROCEDURE

Steps	Connect high side of Sig. gen. to-	Sig. gen. output	Radio tuning set to-	Indicator connection	Adjust	Remarks
1	Point A	455KC sweep -35KC	-	Connect oscilloscope to the point B	L3 L4 L5	Adjust top cores for max. gain and symmetry.
2		525KC with mod.	525KC (gang fully closed)	Connect Output meter across the voice coil	OSC Coil L2	Adjust for max. output.
3		1650KC with mod.	1605KC (gang fully open)	"	Trimmer CT2	"
4	Short wire placed near loop for radiated signal		Repeat 2 and 3.			
5		600KC with mod.	600KC	Connect Output meter across the voice coil	A:1 Coil L1	Adjust for max. output.
6		1400KC with mod.	1400KC	"	Trimmer CT1	"
7			Repeat 5 and 6.			

Note: 1. For all alignment operation, connect the low side of the signal generator to the "common positive" wiring.
 2. Unless otherwise specified, (a) signal generator output should be modulated at 400 cycles and 30% modulation, (b) and keep the output as low as possible.
 3. Set the volume control at maximum.