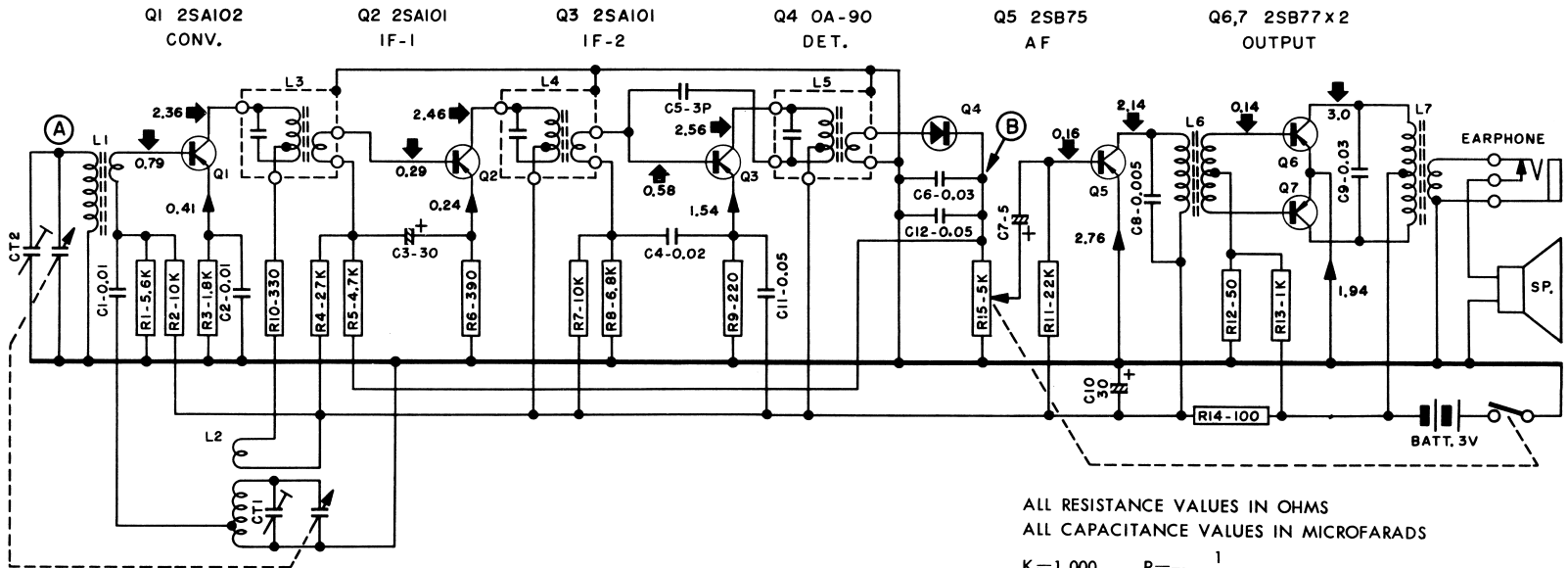
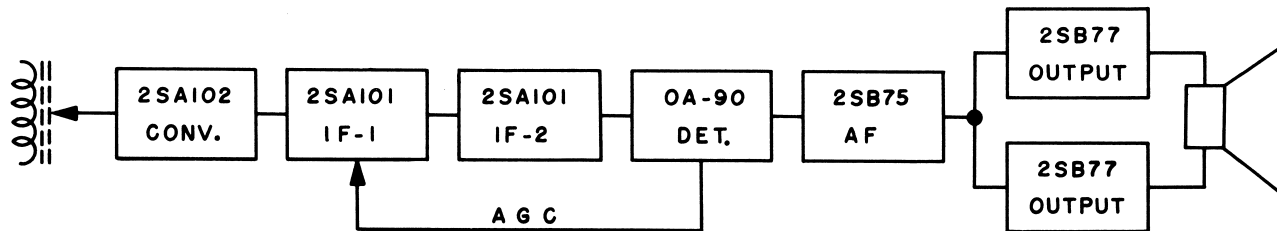


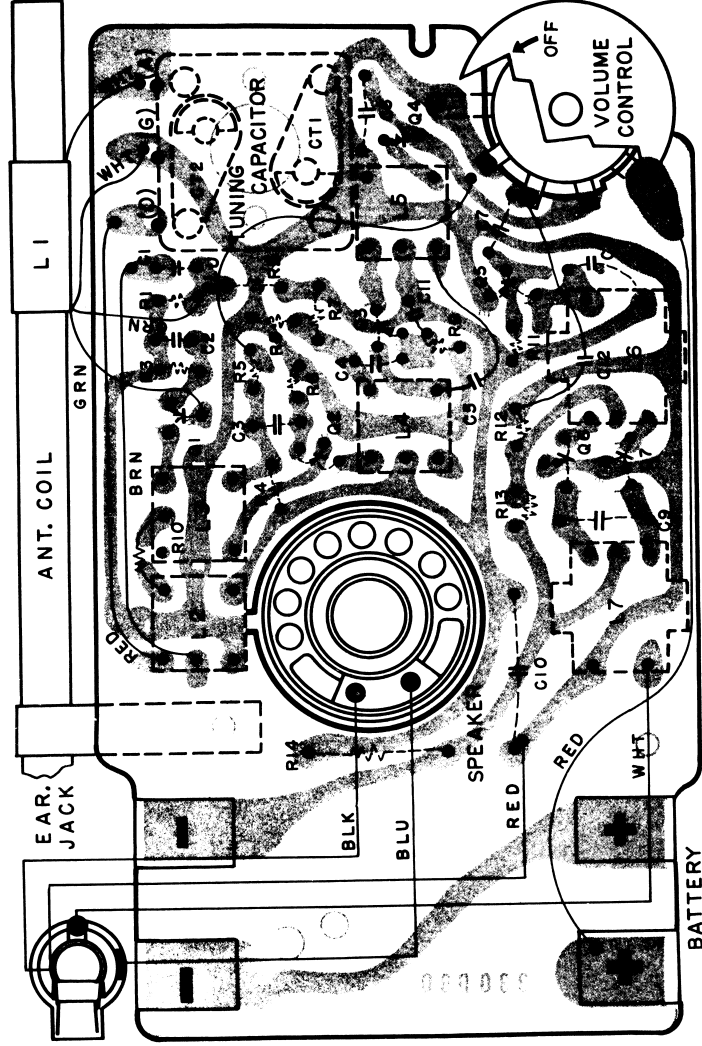
SCHMATIC DIAGRAM



BLOCK DIAGRAM



CIRCUIT BOARD DIAGRAM



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 ± 35 KC | — | Connect oscilloscope to the point (B) | L3 L4 L5 | Adjust top cores for max. gain and symmetry. |
| 2 | Short wire placed near loop for radiated signal | 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. | 1650KC (gang fully open) | " | Trim-mer CT1 | " |
| 4 | Repeat 2 and 3. | | | | | |
| 5 | | 600KC with mod. | 600KC | Connect Output meter across the voice coil | ANT Coil L1 | Adjust for max. output. |
| 6 | | 1400KC with mod. | 1400KC | " | Trim-mer CT2 | " |
| 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.