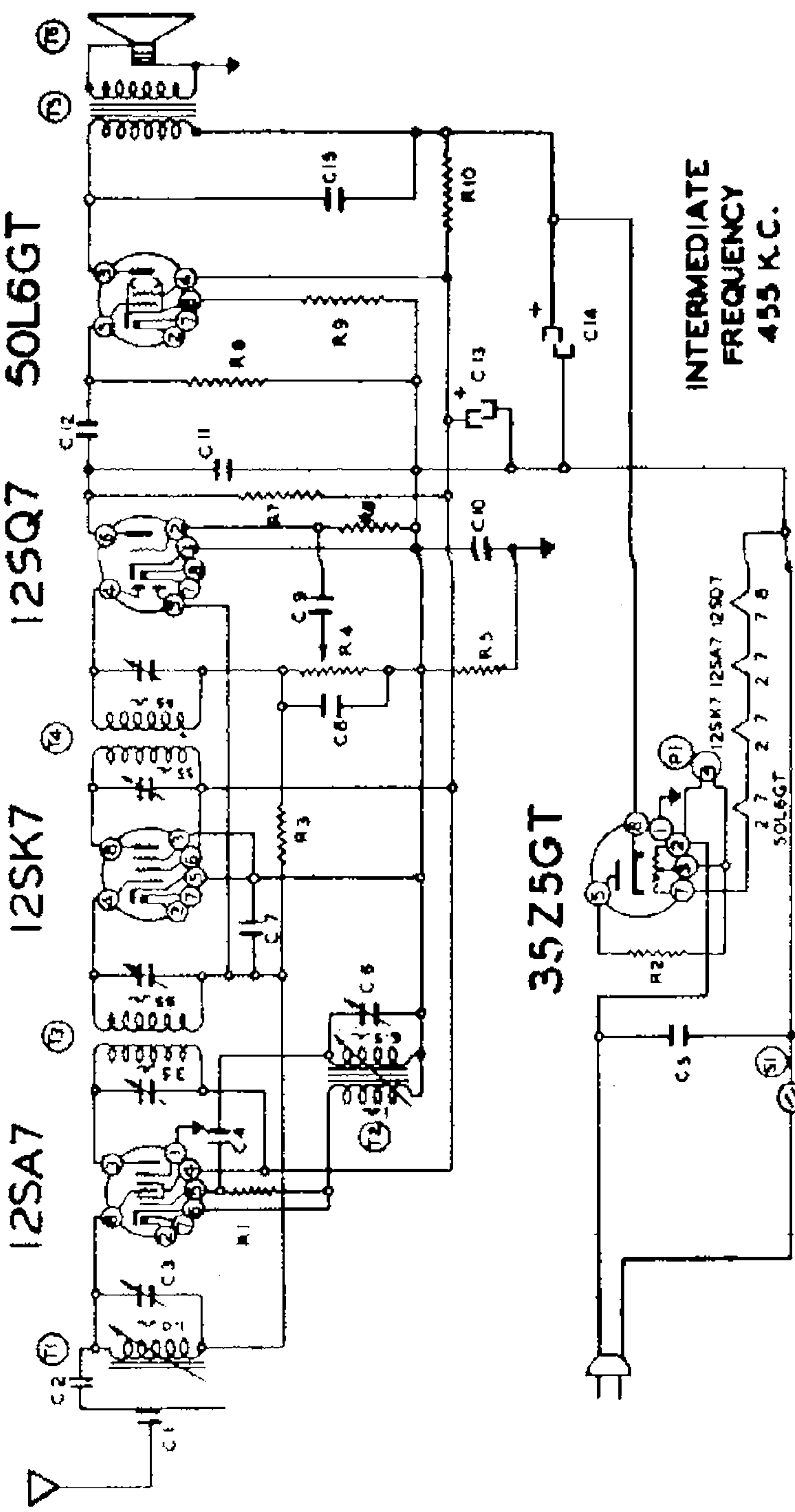
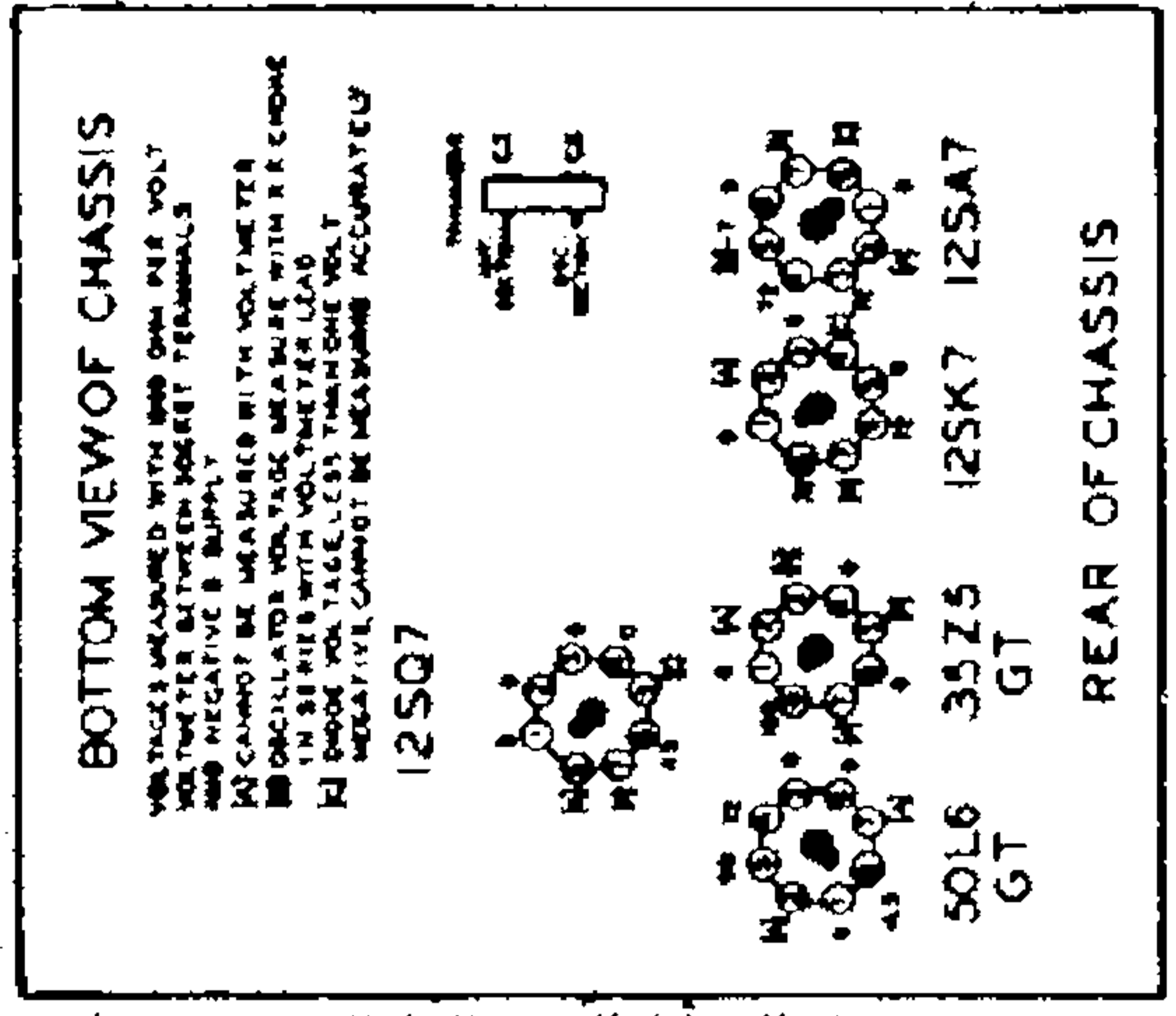
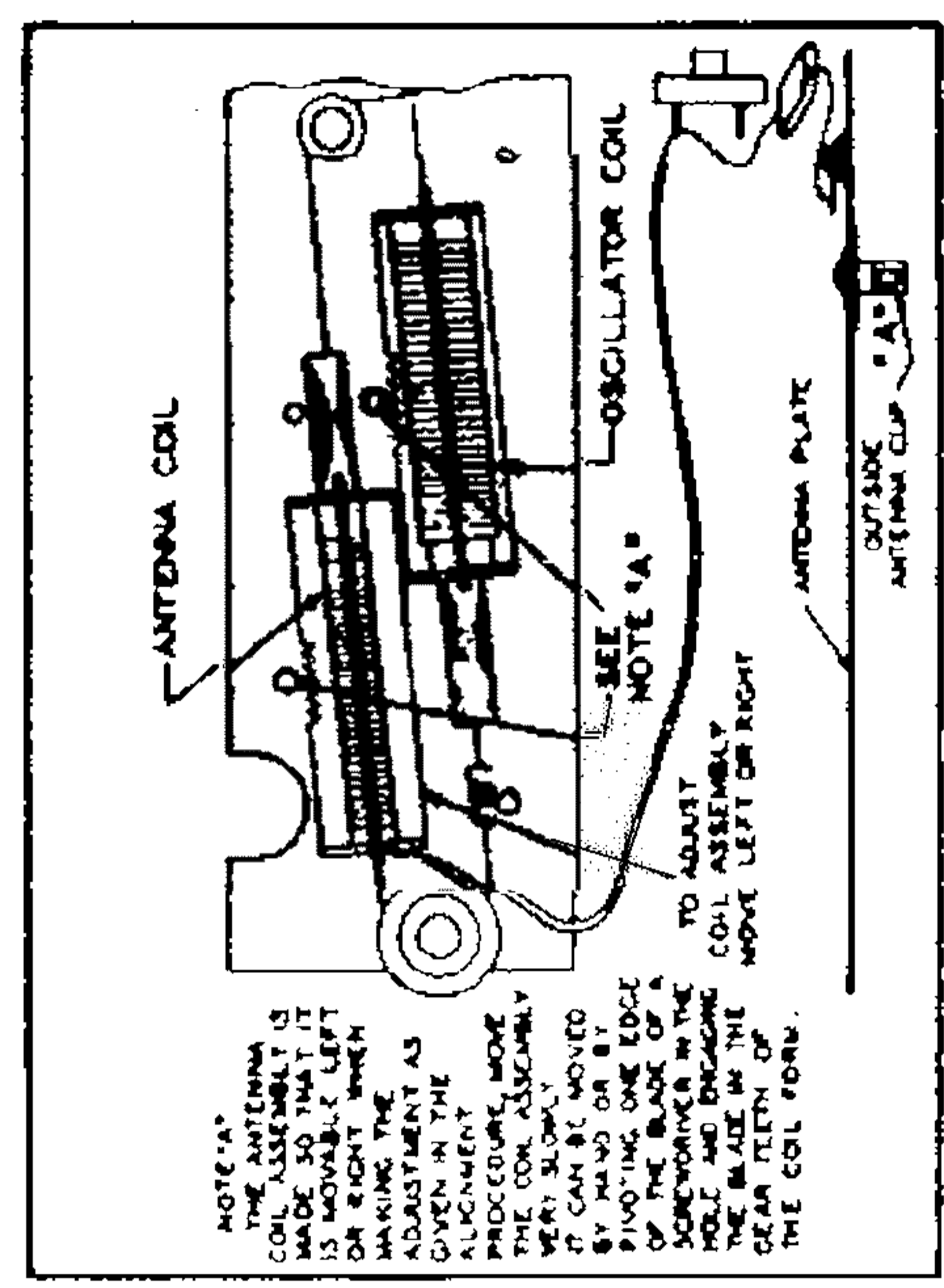
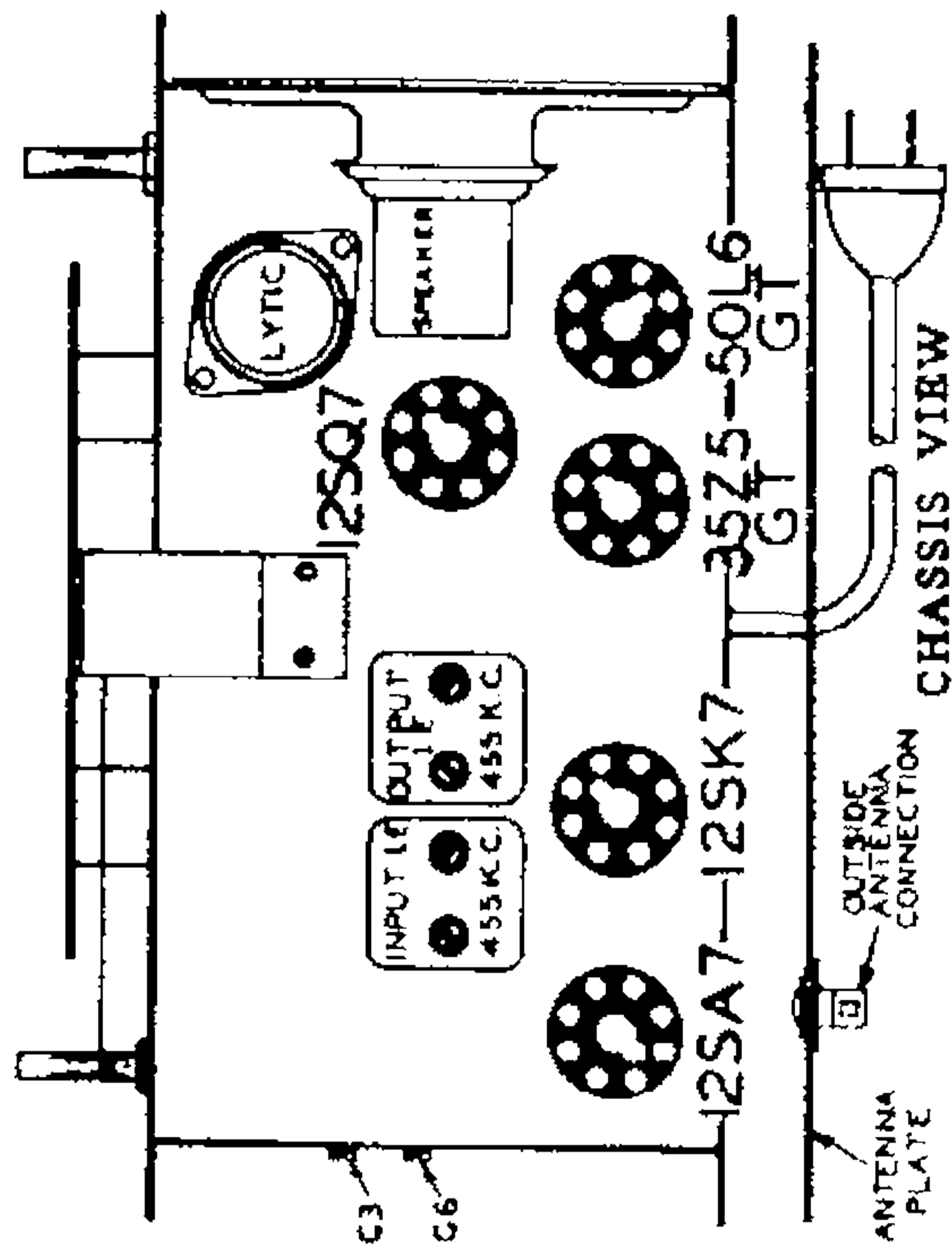
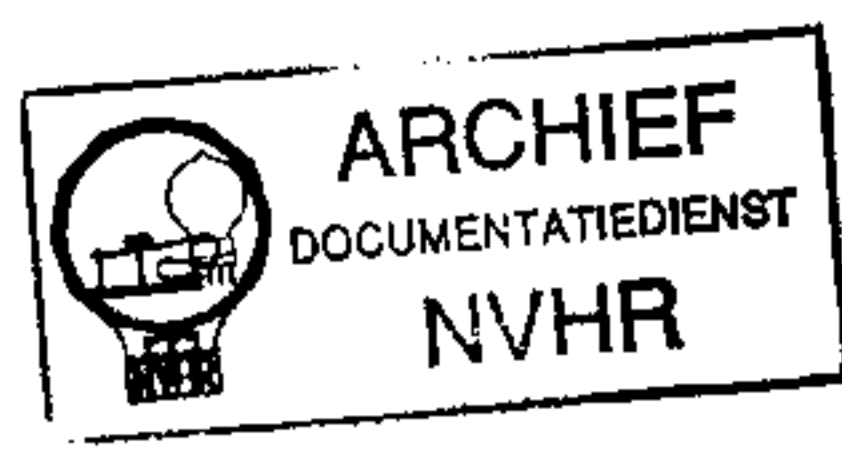


WESTERN AUTO SUPPLY CO.

Ned. Ver. v. Historie v/d Radio



- RESISTORS**
- R1 130232 25M ohm—1/2 w.
 - R2 130284 25 ohm—1/2 w.
 - R3 130170 1 megohm—1/2 w.
 - R4 101230 Volume Control—1/2 w.
 - R5 130960 150M ohm—1/2 w.
 - R6 130257 5 megohm—1/2 w.
 - R7 130960 150M ohm—1/2 w.
 - R8 1805 300M ohm—1/2 w.
 - R9 130166 150 ohm—1/2 w.
 - R10 130199 150 ohm—1 w.
- CONDENSERS**
- C1 131262 .00001 washer cond. (ant. clip on ant. plate)
 - C2 12912 .00025 mica
 - C3 124136 Antenna section dual trimmer
 - C4 12938 .00005 mica
 - C5 1001 1 x 400 v.
 - C6 124136 Osc. Section dual trimmer
 - C7 1009 .08 x 200 v.
 - C8 12912 .00005 mica
 - C9 16025 .002 x 600 v.
 - C10 10091 .15 x 400 v.
 - C11 129160 .0004 mica
 - C12 10078 .01 x 200 v.
 - C13 11992 20 mid. lytic
 - C14 11992 40 mid. lytic
 - C15 10011 .01 x 400 v.
- PARTS**
- T1, T2 112227 Antenna and Oscillator Coil Assembly (Permeability Tuning)
 - T3 108157 Input I.F. Coil—455 kc.
 - T4 108157K Output I.F. Coil—455 kc.
 - T5 105117 Output Transformer
 - T6 114213 4 in. speaker—P. M.
 - S1 10749 On-off switch on volume control
 - P1 10749 Pilot light bulb T7

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 - R7 130960 150M ohm—1/2 w.
 - R8 1805 300M ohm—1/2 w.
 - R9 130166 150 ohm—1/2 w.
 - R10 130199 150 ohm—1 w.

ALIGNMENT PROCEDURE

- Volume control—Maximum all adjustments.
- Connect B—of radio chassis to ground post of signal generator through .1 Mfd. condenser.
- Connect dummy antenna value in series with generator output lead.
- Connect output meter across primary of output transformer.
- Allow chassis and signal generator to "heat up" for several minutes.

- The following equipment is required for aligning.
- An all wave signal generator which will provide an accurately calibrated signal at the test frequencies as listed.
 - Output indicating meter.
 - Non-metallic screwdriver.
 - Dummy antennas—.1 Mfd., and 200 Mmf.

| BAND | SIGNAL GENERATOR Frequency Setting | Dummy Antenna | Connections to Radio | Position of Iron Core (Dial Setting) | Trimmers Adjusted (in Order Shown) | Trimmer Potentiometers | Adjustment |
|-----------------|------------------------------------|---------------|---------------------------------|--------------------------------------|--|-------------------------|---|
| I. F. | 455 Kc. | .1 MFD. | Connect to Grid of 12SA7 | Iron Core All the way out | Two trimmers on top of output I. F. cas | Output I. F. | Adjust to maximum output |
| | 455 Kc. | .1 MFD. | Connect to Grid of 12SA7 | Iron Core All the way out | Two trimmers on top of input I. F. cas | Input I. F. | Adjust to maximum output |
| BROAD-CAST BAND | 1720 Kc. | .1 MFD. | Connect to Grid of 12SA7 | Iron Core All the way out | Trimmer (C3) (See chassis view) | Oscillator | Adjust to maximum output |
| | 1720 Kc. | 20 MMF. | Connect to Outside Antenna Clip | Iron Core All the way out | Trimmer (C3) (See chassis view) | Antenna | Adjust to maximum output |
| | 1400 Kc. | 20 MMF. | Connect to Outside Antenna Clip | Turn Dial to 1400 Kc. | Adjust position of antenna coil (See coil assembly view) | Antenna Coil Adjustment | Adjust to maximum output (See Note "A") |
| | 1720 Kc. | 20 MMF. | Connect to Outside Antenna Clip | Turn Dial to 1720 Kc. | Adjust trimmer (C3) (See chassis view) | Antenna | Check for tracking (See Note "B") |

NOTE "A"—The antenna coil assembly is made so that it is movable. When making the adjustment as given in the alignment procedure move the coil assembly very slowly. It can be moved by hand or by pivoting one edge of the blade of a screwdriver in the hole and engaging the blade in the gear teeth of the coil form.

NOTE "B"—After the antenna coil has been tracked at 1400 Kc. it is necessary to check the antenna trimmer (C3) adjustment again at 1720 Kc. If no appreciable change in trimmer adjustment is made the coil is in track, if the trimmer requires considerable change it will be necessary to again adjust the position of the antenna coil at 1400 Kc. These two adjustments should be tried several times until no change of trimmer adjustment is required at 1720 Kc.