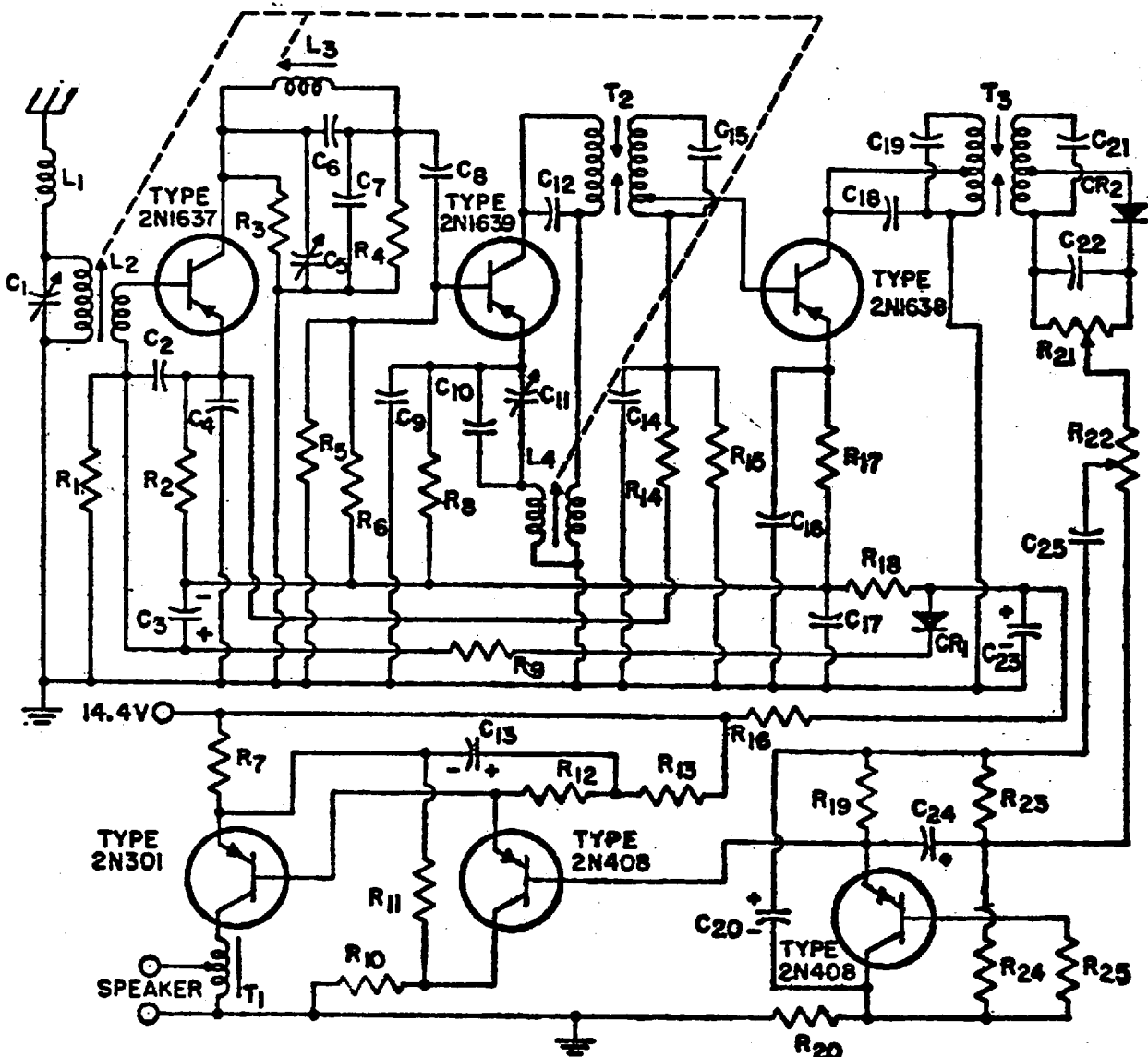


12-VOLT AUTOMOBILE RADIO



C₁ = 5-80 pf, trimmer
C₂ = 2.2 μf, 3v.
C₃ = 25 μf, electrolytic, 3 v.
C₄ **C₅** **C₁₂** **C₁₃** **C₁₇** **C₂₃** = 0.5 μf, ceramic disc, 25 v.
C₆ **C₁₁** = 100-580 pf, trimmer
C₇ = 270 pf, mica, 100 v.
C₈ = 0.005 μf, ceramic disc, 25 v.
C₉ = 0.0075 μf, ceramic disc, 25 v.
C₁₀ = 180 μf, ceramic, N-750, negative temperature coefficient
C₁₅ **C₁₆** = supplied with T₂
C₁₄ = 500 μf, electrolytic, 3 v.
C₁₈ = 120 pf, mica, 100 v.
C₁₉ **C₂₁** = supplied with T₃
C₂₀ = 50 μf, electrolytic, 6 v.
C₂₂ = 0.02 μf, ceramic disc, 25 v.
C₂₄ = 100 μf, electrolytic, 15 v.
C₂₅ = 100 μf, electrolytic, 3 v.
CR₁, **CR₂** = 1N295
L₁ = 5 μh, rf choke
L₂ **L₃** **L₄** = tuner assembly; manufactured by F. W. Sickles Co., and Radio Condenser Corp.

L₂ = antenna transformer; primary, variable inductor tuned with 110 pf; frequency range 535 to 1610 kc; Q = 65 at 1610 kc; secondary, 10 turns
L₃ = rf coil; variable inductor tuned with 600 pf; frequency range 535 to 1610 kc; Q = 65 at 1610 kc.
L₄ = oscillator transformer; primary, variable inductor tuned with 470 pf; frequency range 797 to 1872 kc; Q = 65 at 1872 kc; secondary, 30 turns.
R₁ = 82000 ohms, 0.5 watt
R₂ = 560 ohms, 0.5 watt
R₃ = 15000 ohms, 0.5 watt
R₄ = 180 ohms, 0.5 watt
R₅ = 56000 ohms, 0.5 watt
R₆ **R₂₀** = 4700 ohms
R₇ = 3.3 ohms, 1 watt
R₈ = 1500 ohms, 0.5 watt
R₉ = 8200 ohms, 0.5 watt
R₁₀ = 220 ohms, 0.5 watt
R₁₁ = 82 ohms, 0.5 watt
R₁₂ = 120 ohms, 0.5 watt
R₁₃ = 68 ohms, 0.5 watt

R₁₄ = 5600 ohms, 0.5 watt
R₁₅ = 100000 ohms, 0.5 watt
R₁₆ = 680 ohms, 0.5 watt
R₁₇ = 470 ohms, 0.5 watt
R₁₈ = 100 ohms, 0.5 watt
R₁₉ = 1200 ohms, 0.5 watt
R₂₁ = volume control, potentiometer, 2500 ohms
R₂₂ = tone control, potentiometer, 1000 ohms
R₂₃ **R₂₄** = 3300 ohms, 0.5 watt
R₂₅ = 38000 ohms, 0.5 watt
T₁ = output transformer; primary impedance, 20 ohms at 500 ma dc; secondary impedance, 4 ohms to match impedance of voice coil; Columbus Process Co. No. 5383, or equivalent
T₂ = if transformer, Radio Industries No. E014127, Automatic Manufacturing Co. No. E2742208AX, or equivalent
T₃ = if transformer, Radio Industries No. E014128, Automatic Manufacturing Co. No. E2742208BX, or equivalent