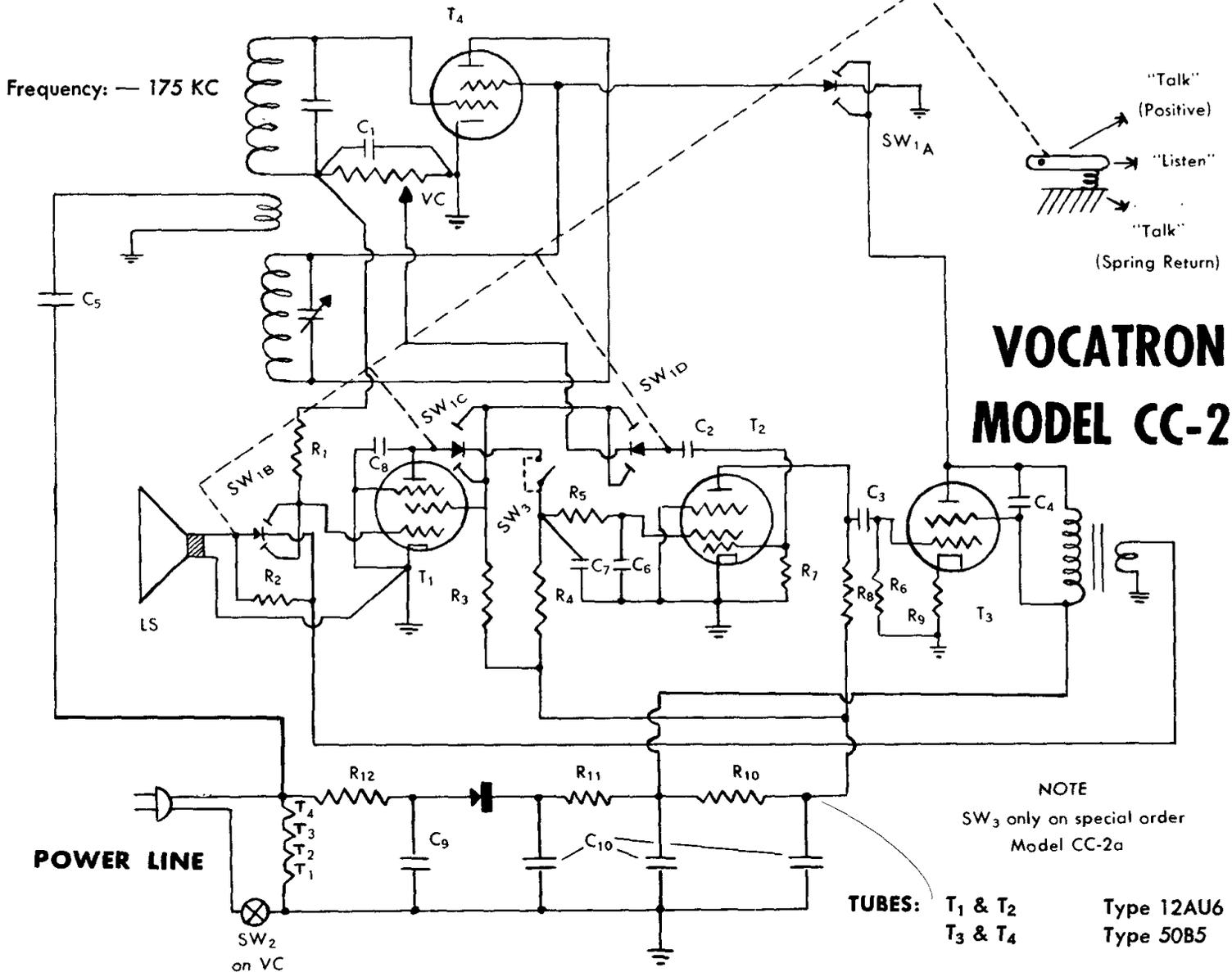


VOCALINE COMPANY OF AMERICA

Standard Models CC-1 and CC-2



VOCATRON MODEL CC-2

NOTE
SW₃ only on special order
Model CC-2a

TUBES: T₁ & T₂ Type 12AU6
T₃ & T₄ Type 50B5

RESISTORS: (All 1/2 watt unless otherwise specified)

R ₁	1 Megohm
R ₂	3300 Ohms
R ₃	22000 Ohms
R ₄ R ₅ R ₆	470,000 Ohms
R ₇	10 Megohms
R ₈	270,000 Ohms
R ₉	150 Ohms
R ₁₀	2200 Ohms
R ₁₁	470 Ohms (2 Watts)
R ₁₂	82 Ohms (1 Watt)
R ₁₃	150 Ohms

CAPACITORS: (400-Volts Rating, Paper Unless Otherwise Specified)

C ₁	.0001 MFD MICA
C ₂	.002 MFD
C ₃ C ₄	.01 MFD
C ₅ C ₆	.05 MFD
C ₇	.1 MFD
C ₈	.002 MFD
C ₉	.25 MFD (600-Volt Paper)
C ₁₀	40-40-40 (150-Volt Electrolytic)
C ₁₁	.05 MFD

VOLUME CONTROL:

VC	500,000 Ohms with Spst Switch (S ₂)
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Model CC-2 differs from CC-1 principally in that it includes an additional tube and a special silencing circuit (as described generally above) for discriminating against noise disturbances on the power line while standing by. With no signal, and hence no rectified voltage appearing across the volume control, the plate of T₁ draws a large current, and the screen of T₂ is maintained near zero potential, so that the audio amplifier is inoperative. With the appearance of a signal from another station, and the consequent development of a DC potential across the volume control greater than approximately 3 volts, tube T₁ is cut off, and the screen of T₂ allowed to rise to its normal operating level (about 25 volts). Then with the set conditioned for transmitting, T₁ operates as a triode pre-amplifier stage, the speaker being connected directly to its grid. (This stage takes the place of the input transformer found in model CC-1).