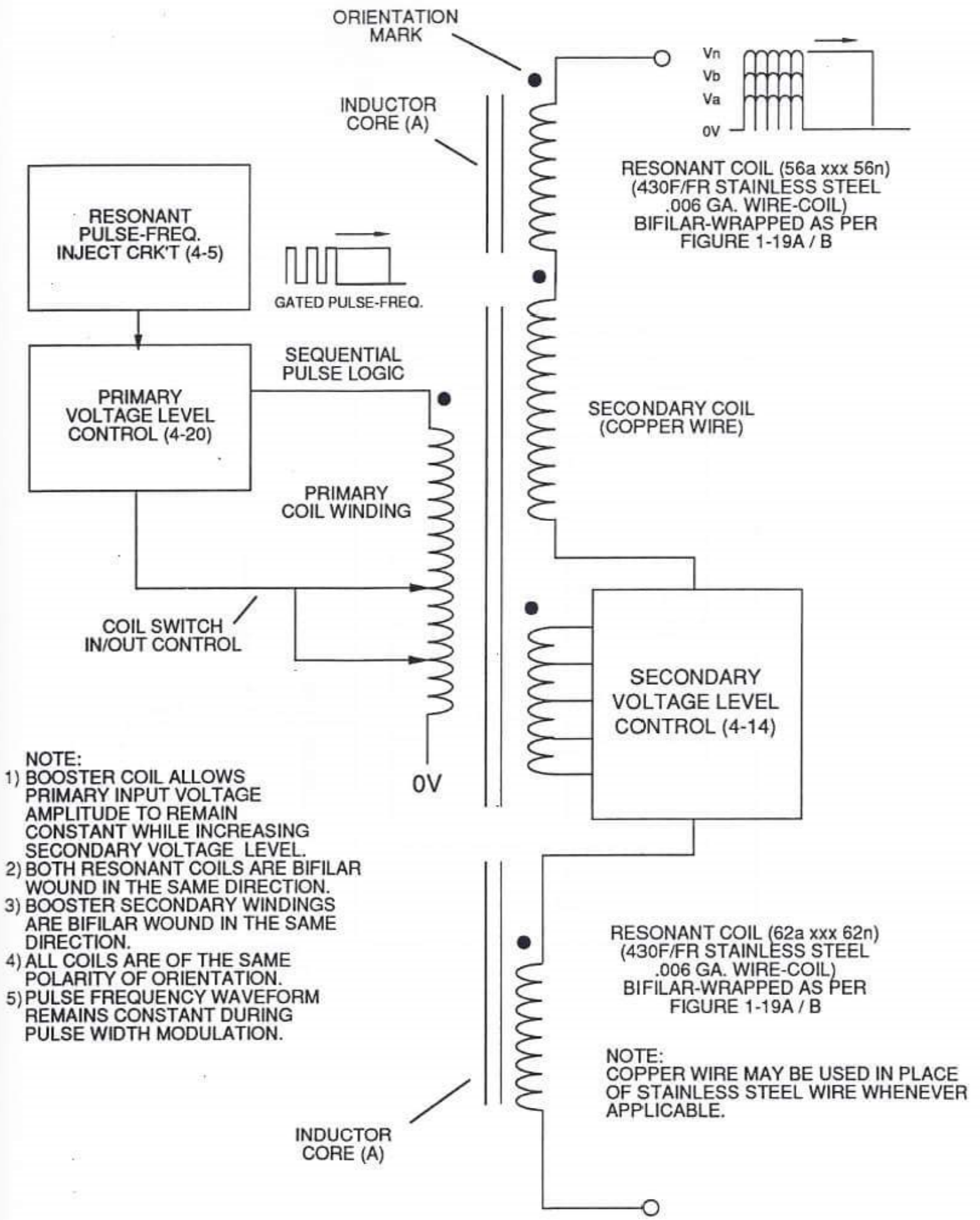


VARIABLE VOLTAGE AMPLITUDE / VARIABLE GATED PULSE-FREQ. OUTPUT



- NOTE:
- 1) BOOSTER COIL ALLOWS PRIMARY INPUT VOLTAGE AMPLITUDE TO REMAIN CONSTANT WHILE INCREASING SECONDARY VOLTAGE LEVEL.
  - 2) BOTH RESONANT COILS ARE BIFILAR WOUND IN THE SAME DIRECTION.
  - 3) BOOSTER SECONDARY WINDINGS ARE BIFILAR WOUND IN THE SAME DIRECTION.
  - 4) ALL COILS ARE OF THE SAME POLARITY OF ORIENTATION.
  - 5) PULSE FREQUENCY WAVEFORM REMAINS CONSTANT DURING PULSE WIDTH MODULATION.

NOTE:  
COPPER WIRE MAY BE USED IN PLACE OF STAINLESS STEEL WIRE WHENEVER APPLICABLE.

FIGURE 4-2: VIC AMPLITUDE CONTROL

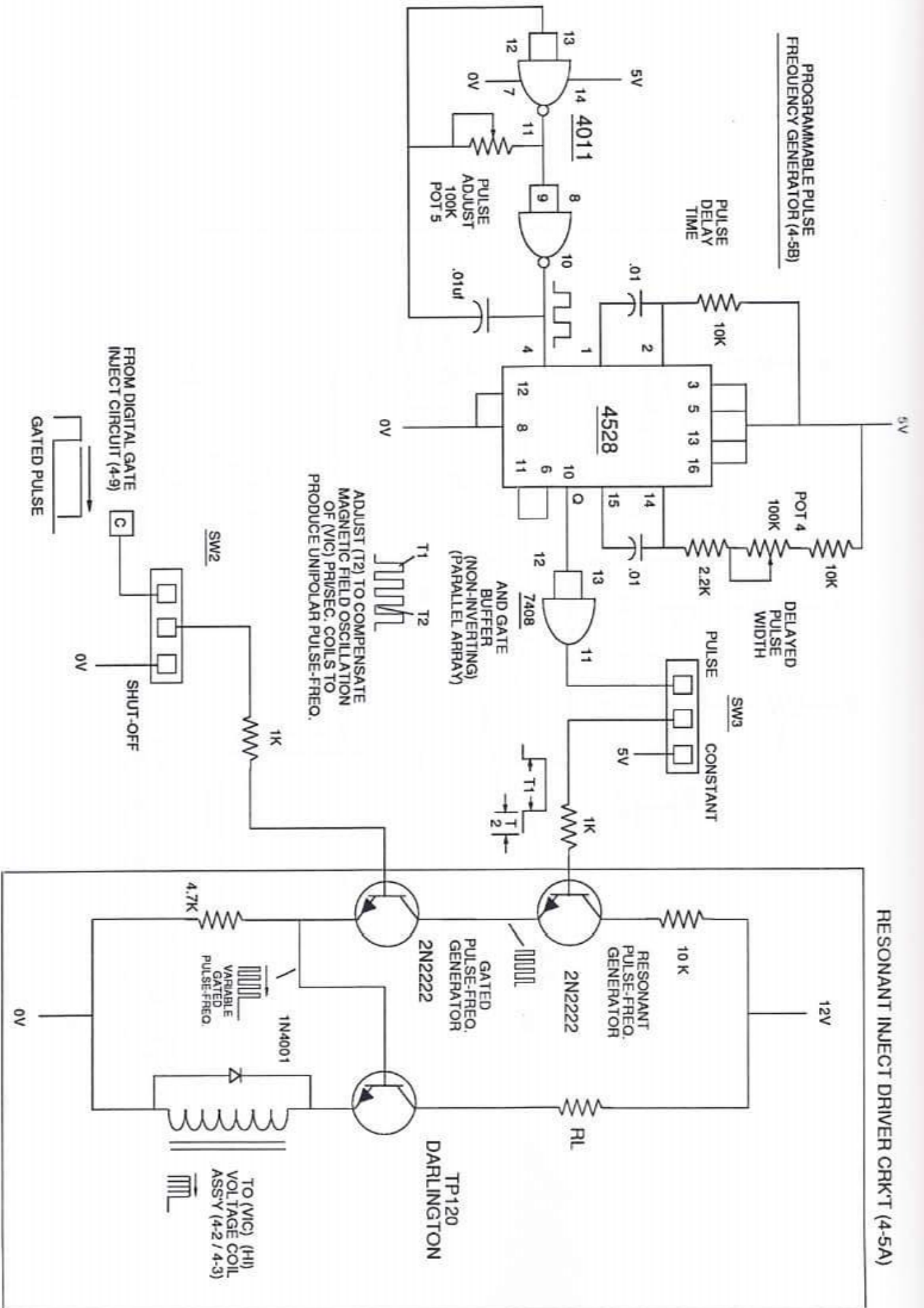


FIGURE 4-5: RESONANT PULSE - FREQUENCY INJECT CIRCUIT

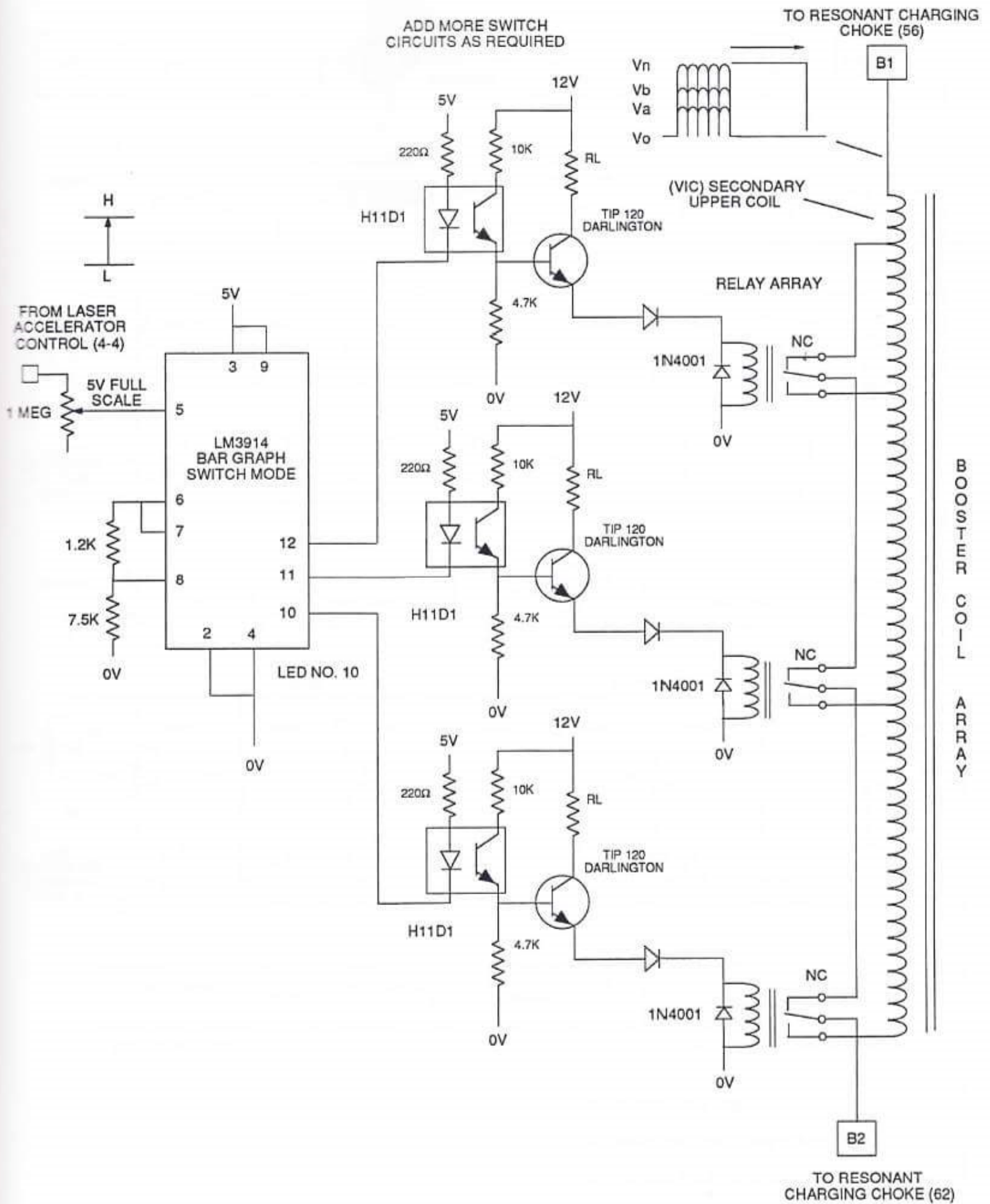


FIGURE 4-14: DIGITAL BOOSTER SWITCH CIRCUIT



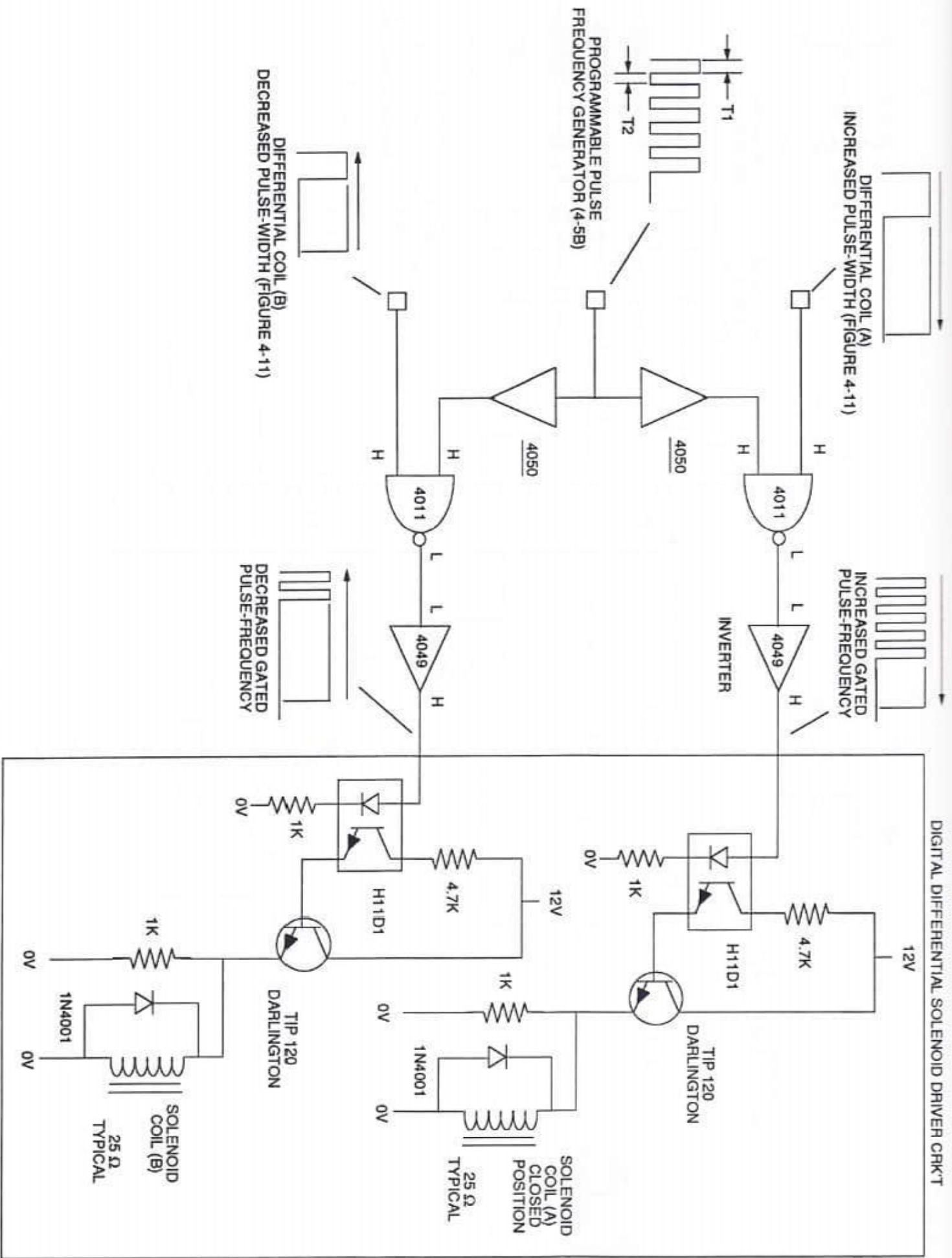


FIGURE 4-30: DIGITAL PULSE-WIDTH DUAL-SOLENOID CONTROL