Flipper Mechanism

A slider-crank 4-bar linkage!

"Hold" (low power) side of flipper coil shorted out by closed EOS switch. This gives the flipper coil low resistance and high power, so it can "kick" the ball hard.

"Hold" (low power) side of flipper coil now in series with "Power" side of flipper coil. This gives more total resistance to the flipper coil, preventing the coil from burning while the player holds the flipper button in.

Pic by Al Garber

What circuit elements can you identify?

**Example Coil Specs**
Stern flipper solenoid dual winding coil.
Specifications: Wire Gauge: 22 / 30
Number of turns: 750 / 2600
Resistance in ohms: 2.6 / 92