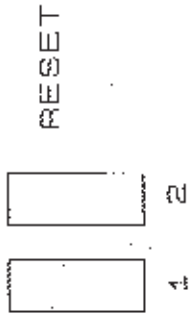
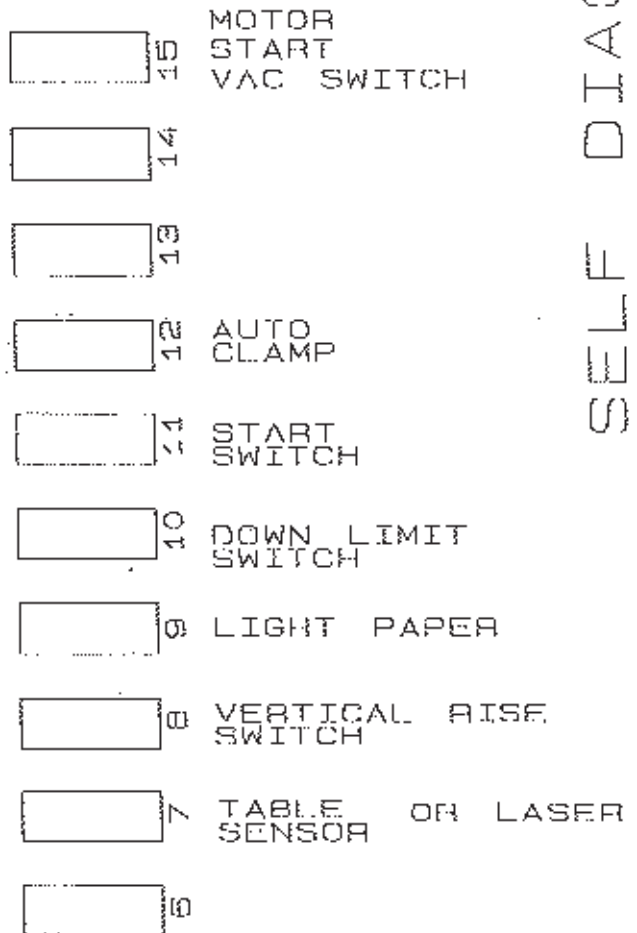
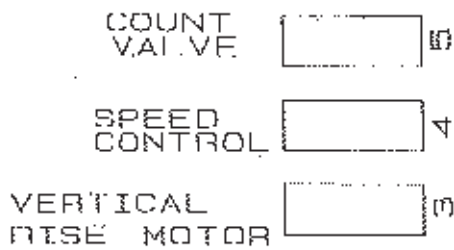
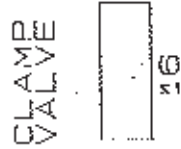


DIAGRAM-SELF DIAGNOSTIC LEDS



24VDC RELAY



SELF DIAGNOSTIC LEDS

SEQUENCE OF EVENTS - LOGIC BOARD S-3170

- 1) Plug machine into AC service.
- 2) Main switch to "ON" position with Safety Switch closed (cover down):
 - a) Power applied to all circuits
 - b) Red Power LED activated on Logic Board
- 3) Material inserted, green Table Sensor/Laser LED #7 activated, and Vacuum Pump turns "ON". Green Vertical Rise Switch LED #8 needs to be on. Red Count Valve LED #5 activates momentarily to bleed vacuum off system.
- 4) Pressing Start Switch:
 - a) Green Start Switch LED #11 activates on Logic Board
 - b) Red Clamp Valve LED #16 activates
 - c) Red 24V DC Relay LED #1 activates
- 5) Clamp comes down:
 - a) Red Vertical Rise LED #3 lights
 - b) Counting Head rises to meet paper
 - c) LED #10 lights
 - d) When Head tips off Vertical Rise Switch, RED Count Valve LED #5 activates and vacuum is applied to Suction Blade
 - e) When vacuum reaches 19" HG, GREEN Motor Start Vacuum Switch LED #15 turns, activating the RED Speed Control LED #4; AC is applied to Speed Control via SSRI. Counting Head counts as long as a minimum of 20"HG is maintained.
- 6) At completion of count, vacuum breaks and AC is turned off to Speed Control. The Counting Head will rise 2"-3" above the stack of paper and stop.
- 7) Removing paper from Table Sensor/Laser deactivates Pump Control Relay and the Counting Head lowers to bottom position.
- 8) Upon reaching bottom position, the Reset Circuit is energized; the red Reset LED #2 activates until the Counting Head is in the reset position.