

## BATTERY & DC CHARGING SYSTEM CHECK

### Battery Condition Check

- Turn off the AC power, connect a Volt Meter across the batteries and run gate for five (5) to ten (10) cycles while observing low battery indicator LED D12 and the running voltage on the meter. Correct running voltage is a between 23.5 and 25VDC.
- If LED D12 (*See Below*) does light, gate will default open indicating LOW batteries. For this test or in a real power loss, even if SW 2: Switch 8, is off it will fail to open. Return of AC power will only trickle charge the batteries.
- The systems are to have AGM batteries. Note what you find on the checklist. Suggested Battery Group is 24; however, Group 27 is acceptable. The Amp Hour rating will vary by brand, suggest 80-100AMP/HR.
- *Correct charge voltage is 27.5 VDC with batteries not connected (adjustment is at R63, adjust as necessary). Measure charging voltage on Battery (+), Battery (-) terminals.*
- *Load test battery with AC switch off and record reading.*

MANUAL OPEN/CLOSE Slide Switch

C8 Capacitor

R63 VOLTAGE adjustment

**Mechanical Limit Switch Lights**

OLS: OPEN LIMIT SWITCH

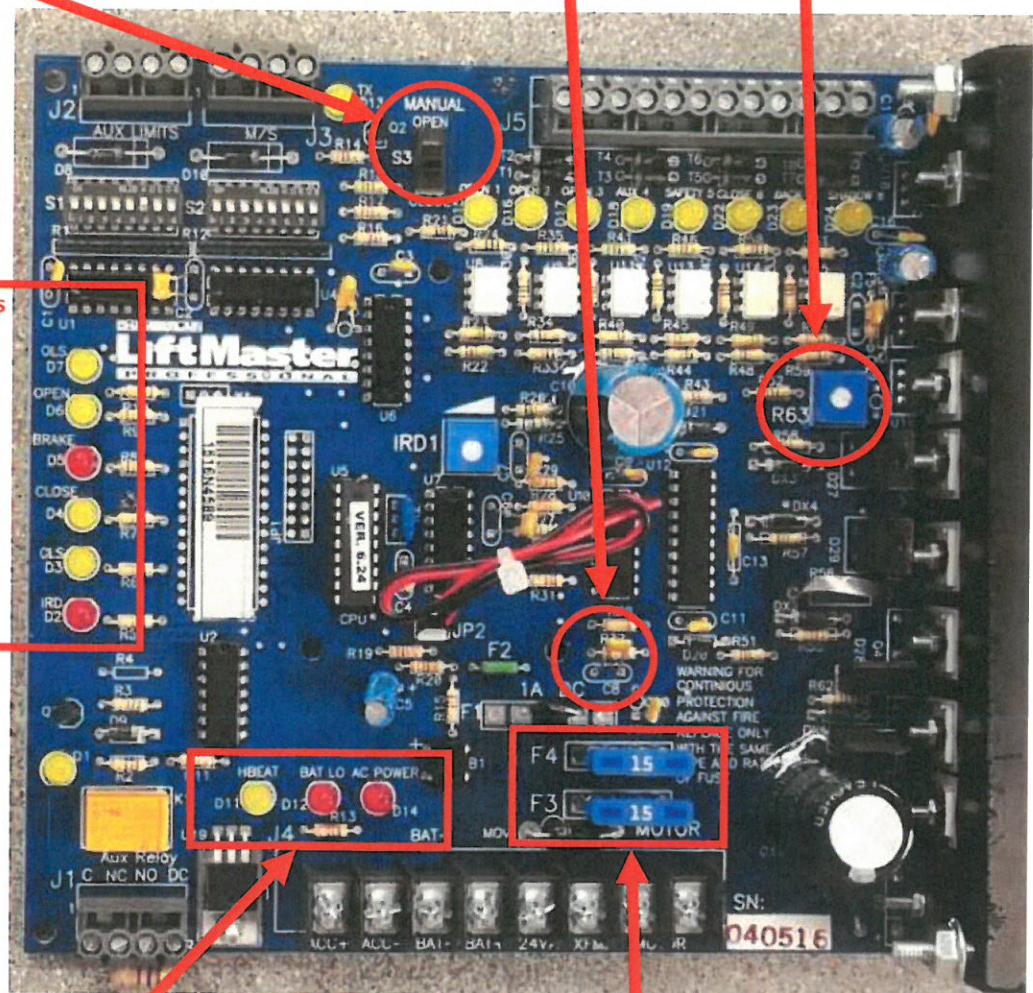
Open (on when opening)

BRAKE (On when stopped)

CLOSE (On when closing)

CLS: CLOSE LIMIT SWITCH

IRD: Disabled



D11: HBEAT (Heart Beat)/D12: Battery Low/D14 AC Power On

F3 & F4 Fuses