

#### Light Mast Troubleshooting Guide: Basecamp & XL

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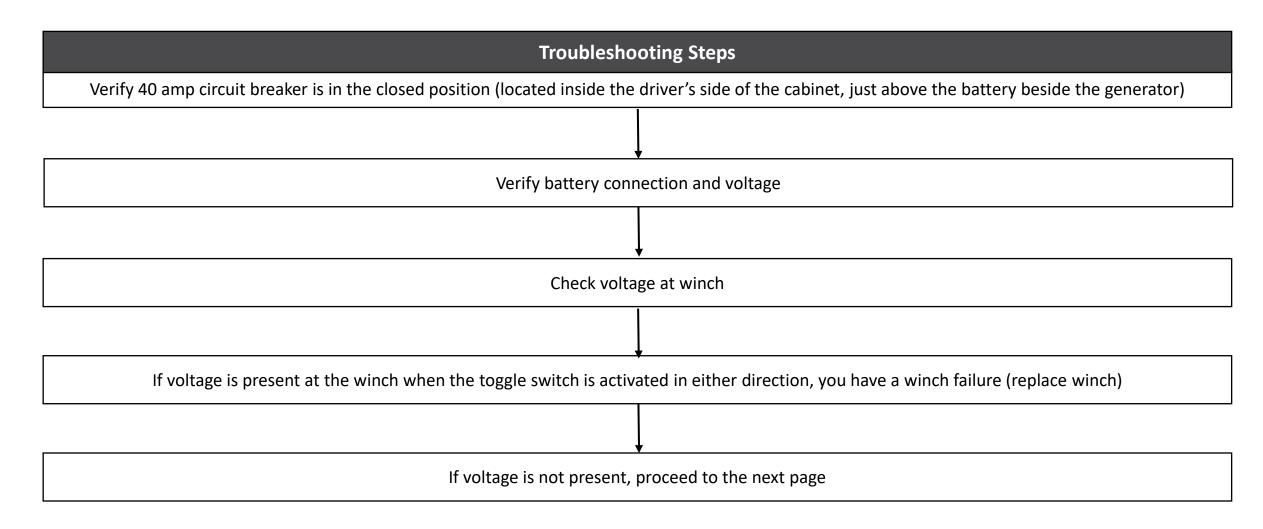
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# Mast Won't Go Up or Down

Refer to Light Mast Wiring Diagram on Page 6 for Troubleshooting Note: 12 volts is nominal and voltage readings will vary with battery voltage (11V DC – 14V DC)







# Mast Goes Up But Not Down

Refer to Light Mast Wiring Diagram on Page 6 for Troubleshooting Note: 12 volts is nominal and voltage readings will vary with battery voltage (11V DC – 14V DC)

Troubleshooting Steps
Use a multimeter on the DC voltage setting to test the toggle switch.
Put the negative lead on the black stud on the solenoid, and the positive lead to the blue conductor at the top of the toggle switch. Press the toggle switch down.
If you see 0 volts, replace the toggle switch, If you see 12 volts, replace the solenoid

If you need to get the light tower down for an emergency, you can switch polarity at the winch and press up on the toggle switch for the light tower to come down.





### Mast Goes Down But Not Up

Refer to Light Mast Wiring Diagram on Page 6 for Troubleshooting Note: 12 volts is nominal and voltage readings will vary with battery voltage (11V DC – 14V DC)

Troubleshooting Steps
Press up on the toggle switch. Verify that the yellow light on the proximity sensor located on the left side of the mast turns on.
If the light turns on, proceed to the next step. If it does not turn on, use a multimeter on the DC Voltage setting to test the Toggle Switch. Put the negative lead on the black stud of the solenoid and the positive lead to the brown conductor at the bottom of the toggle switch. Press the toggle switch up. If you see 0 volts, replace the toggle switch, If you see 12 volts, replace the proximity sensor
Use a multimeter on the DC voltage setting to check the 5P automotive relay.
Put the negative lead on the black stud of the solenoid and the positive lead inside the crimp containing the 5P automotive relay N/O (87) and solenoid coil green conductors. Ensure good contact and press up on the toggle switch.
If you read 0 volts, verify the crimp connections to the 5P automotive relay. If connections are good, replace the 5P automotive relay.
Note: if sourcing replacement parts yourself, the relay must be sealed (potted) to avoid premature failure. If you read 12 volts, replace the solenoid.



