

# DC-SOLAR BLOWER CONTROL BOX

***SAFER, FASTER, STRONGER***

**Requires 2pcs 12v Batteries (not provided)**

Battery Size: 12v-55A AGM Batteries also known as "Wheel chair batteries" or Size 22NF



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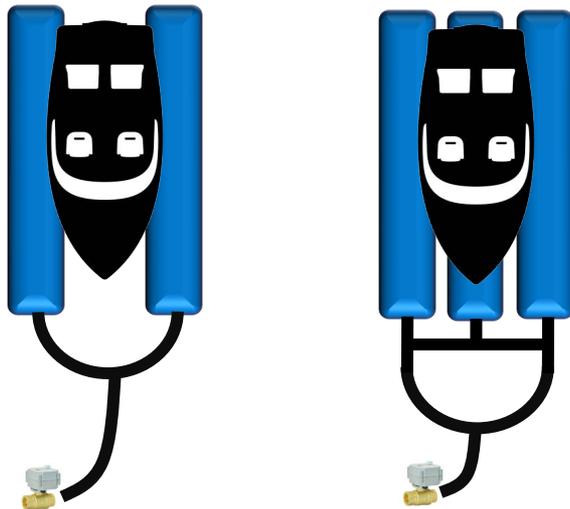


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## Typical Hose Connection Diagram





**Connecting the battery power cables backwards will result in permanent damage to the controller.**



**IMPORTANT**



**Make sure the fuse breaker is disconnected as shown before connecting wires:**

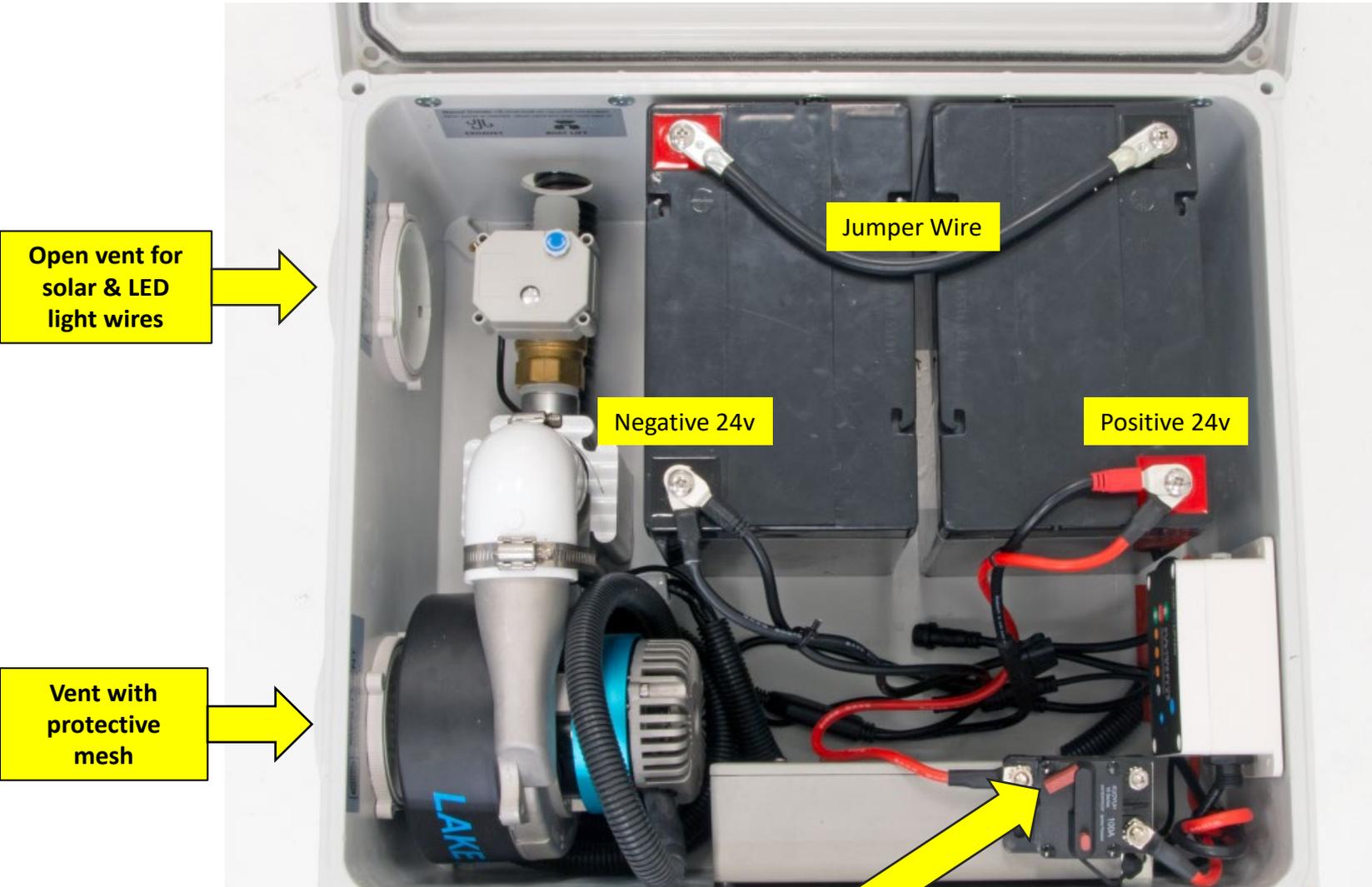
**Please pay attention to your connections and double check all wiring before connecting the controller and turning breaker on**

# Box Feet & Stick on Spacers

1. Install all 4 box feet as shown: These will elevate the box to allow for any drainage.
2. Install two stick on spacers as shown. (prevents box sag over time due to battery weight)

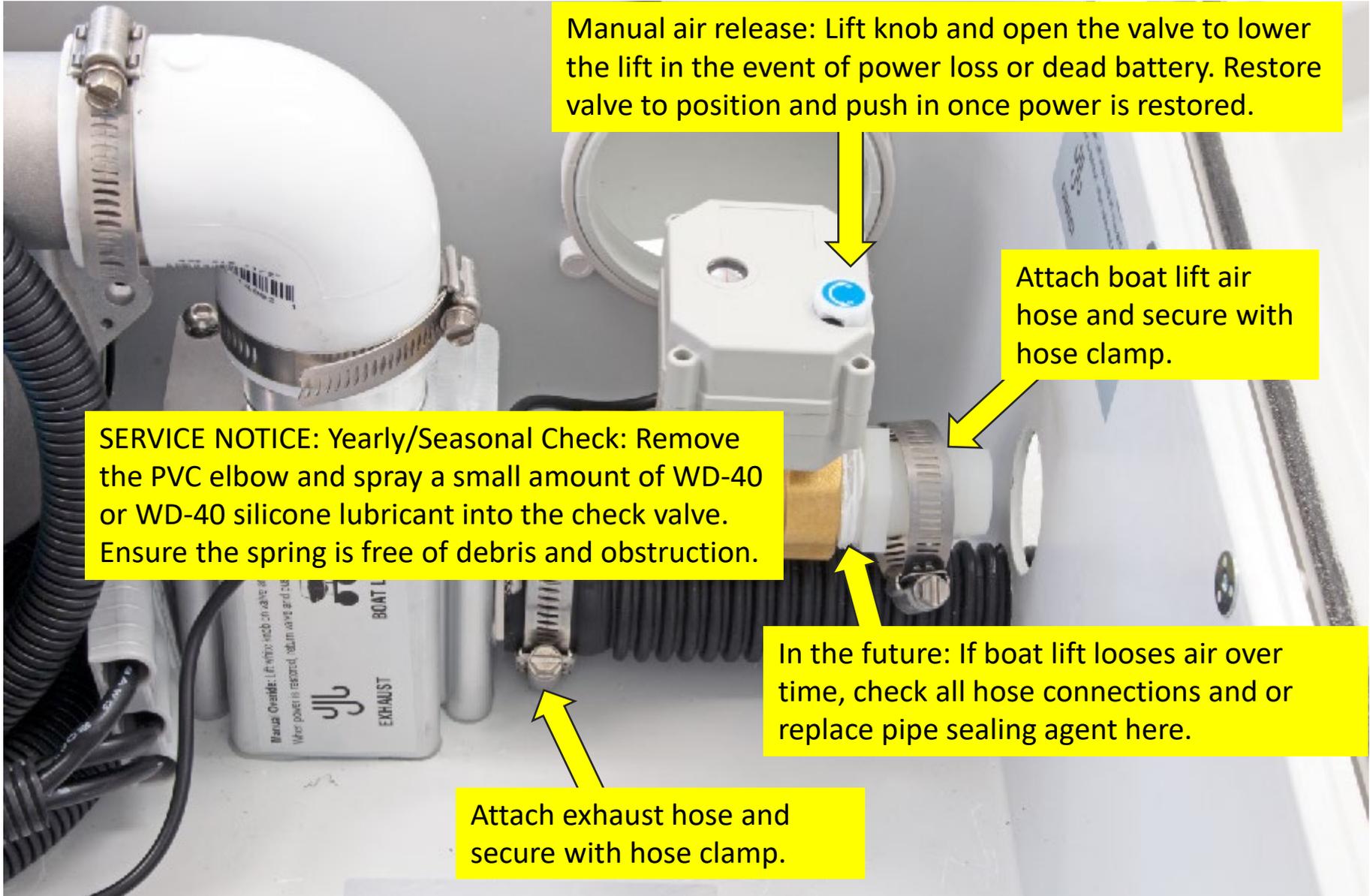


# Battery Connections & Layout



**IMPORTANT:** Make sure fuse breaker is **OFF** when connecting/disconnecting wires.

# Hose & Valve Connections





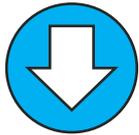
# Button Function & Programming v2



**UP** = Motor turns ON & valve OPENS to lift boat.  
Motor & valve will turn OFF when timer is finished.



**STOP** = PAUSES current operation & CLOSES valve.  
UP or DN arrow will flash indicating paused direction.  
Continue in same direction & operation will continue.  
Change direction & timer starts full in new direction.  
After 15 mins inactivity system is cleared and reset  
Hold STOP for 3s to clear or reset any operation.



**DN** = Valve OPENS to lower boat:  
Valve will CLOSE when timer is finished.



**LIGHT** : Turns on LED light output: Default auto off timer is set to 15:00mins. To adjust light Auto-Off timer HOLD light button until timer flashes: Use Mins & Secs button to adjust as needed.



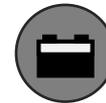
**SELECT:** Press to select the UP/DN timer you wish to program. The UP/DN arrows will illuminate to indicate which timer is ready for programming.  
HOLD the SEL button, when timer starts flashing it is now ready to program with the Mins & Secs buttons.



**Mins:** Increases the time by 1:00 minute intervals  
1:00, 2:00, 3:00 ..... 20:00 > 0:00, 1:00 ...



**Secs:** Increases the time by 0:05 second intervals  
:05, :10, :15 ..... :55 > :00, :05 ...



**BAT:** Displays Battery Level & Voltage  
Press again to return to Lifting/Lowering Timer



**FOB SYNC:** To sync a new key fob press sync button then press any button on the key fob. To un sync a fob hold the SYNC button for 3 seconds

## Quick Programming Guide

Press SEL button to toggle between the UP/DN timers.

The UP/DN arrows will illuminate to indicate which timer is ready.

Hold SEL button until the clock flashes. Use Mins/Sec buttons to set time.

Hold SEL or wait until clock stops flashing and time is now programmed.

Repeat for the opposite direction.

### NOTE / SUGGESTIONS:

Add 15-30s additional UP time to accommodate varying weight conditions

Add 30s+ additional DN time to accommodate varying weight conditions.

