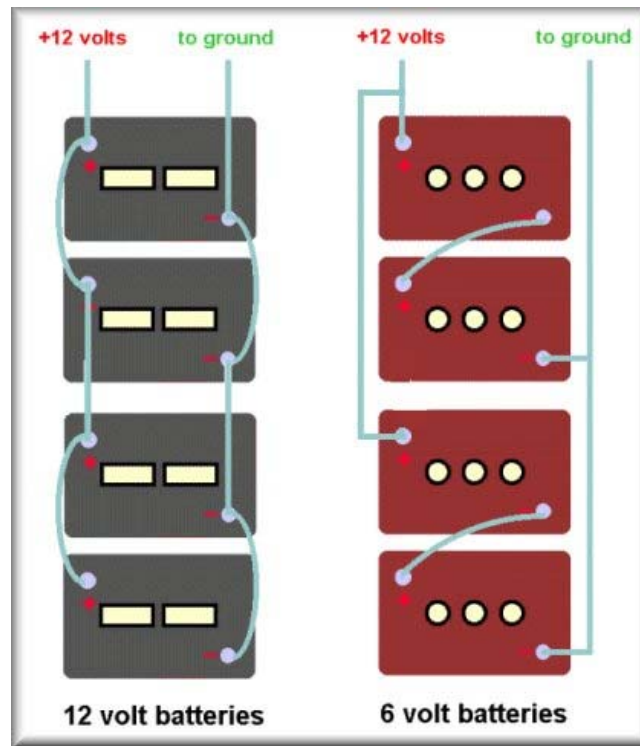
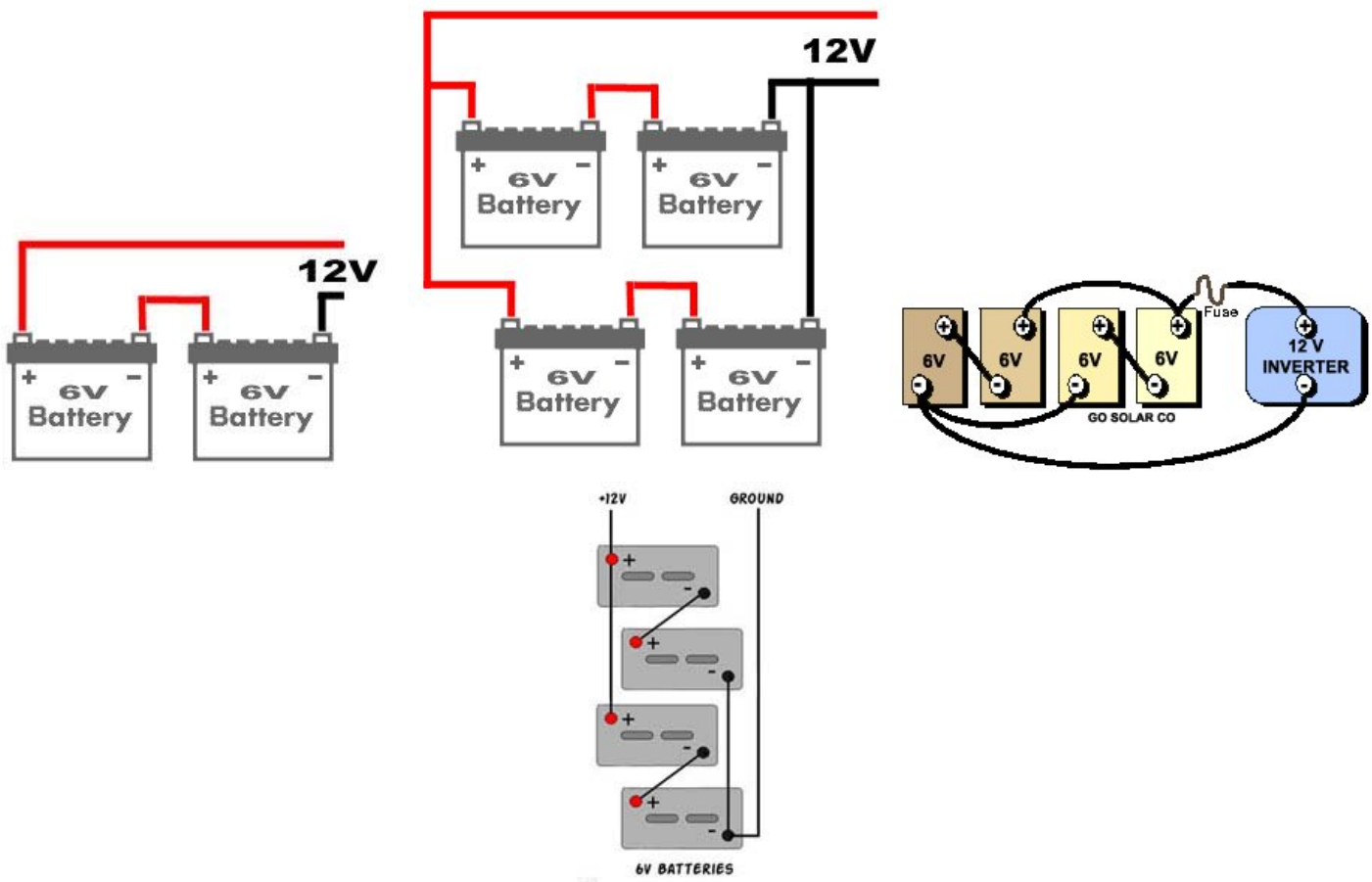


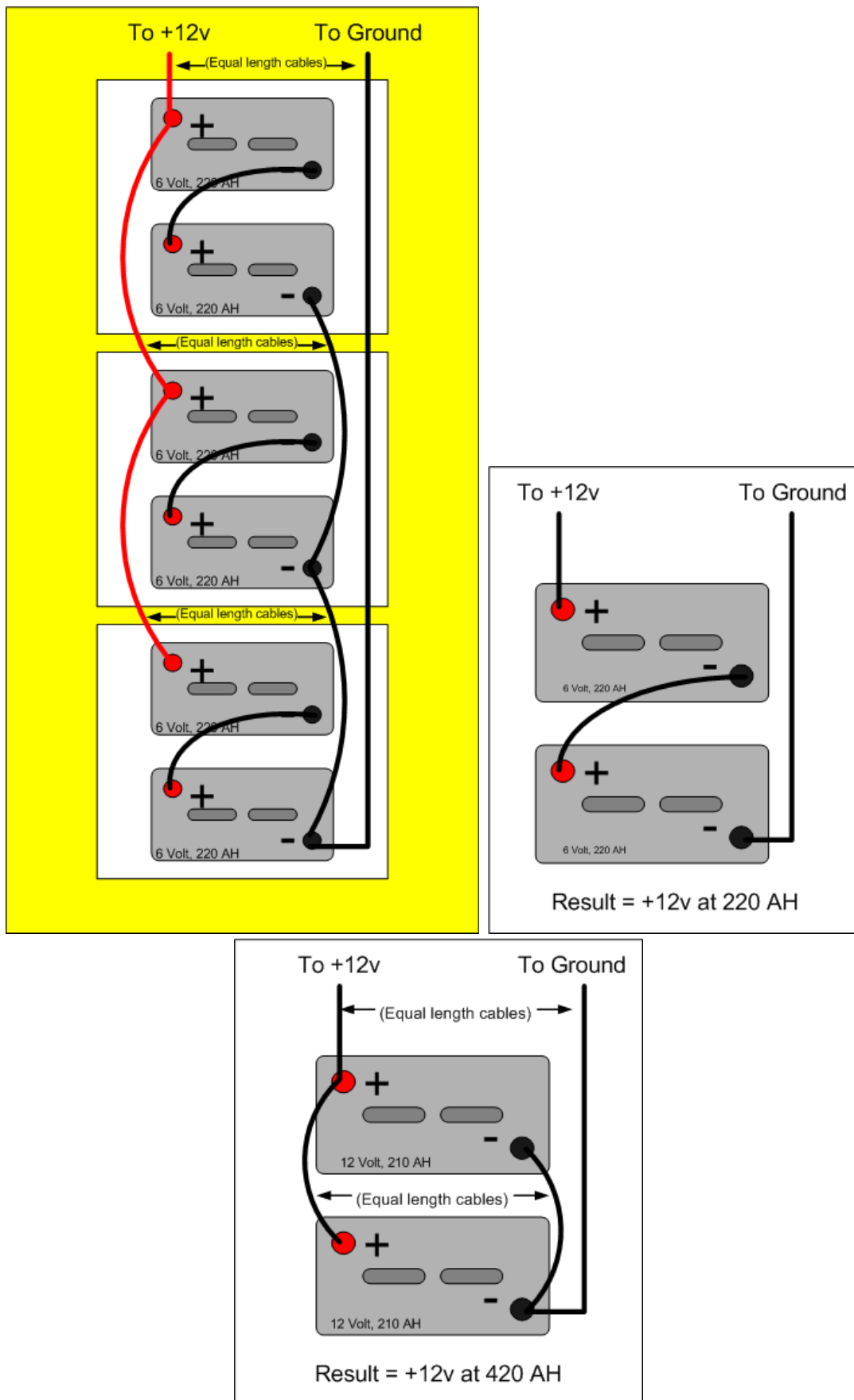
12 Volt & 6 Volt Battery Diagram (You should be able to figure it out via the below diagrams)

Both of the installations below will give you the desired 12 volt output needed

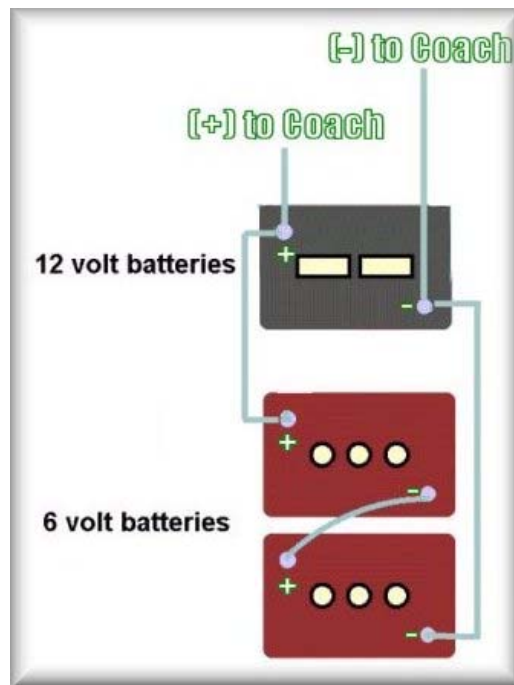


Here is how to hook up 6 volt batteries to make 12 volts

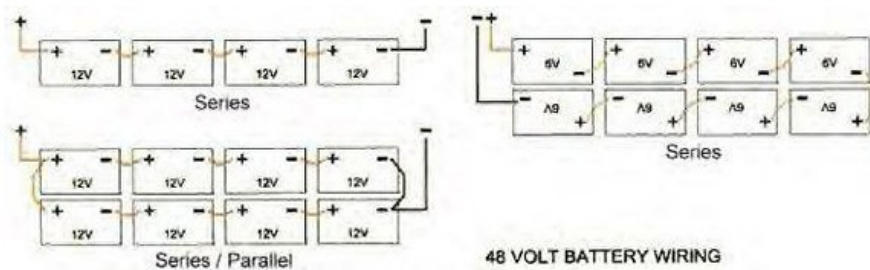
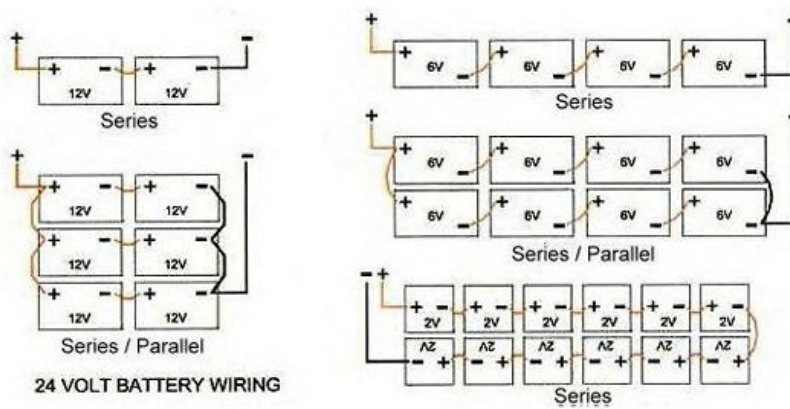
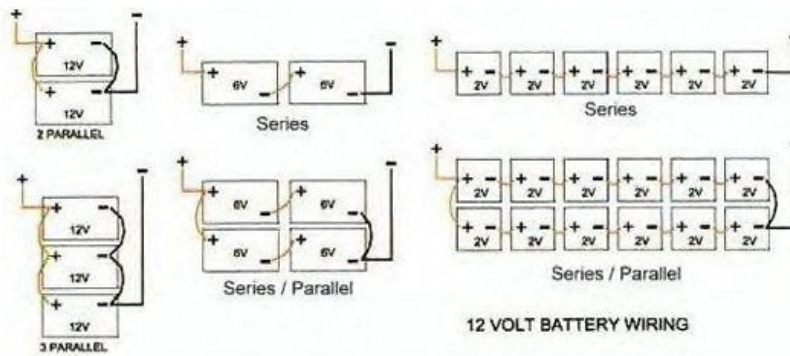




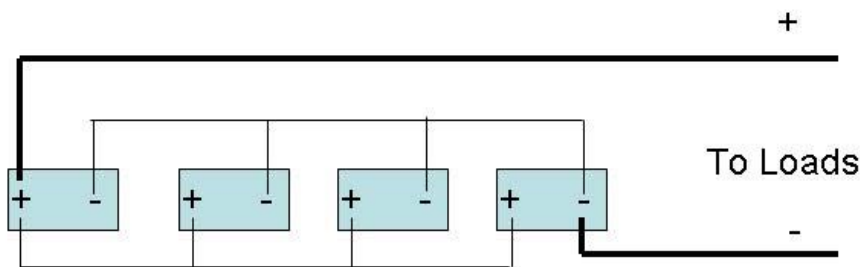
Here is how to hook up 6 volt batteries to a 12 volt battery



12, 24 & 48 Volt Battery Wiring Diagrams

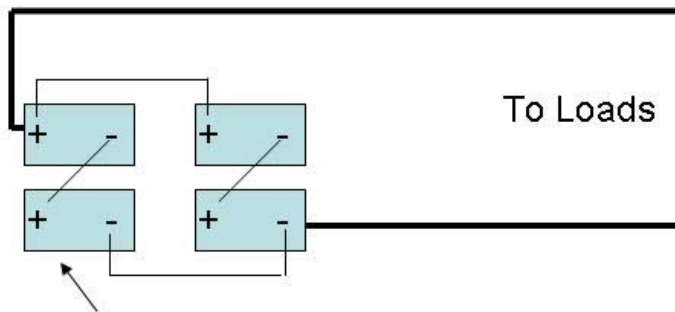


Battery Connections



Parallel Hookup

- Voltage stays the same. Connect all + to each other, and all - to each other
- Amperage adds
- 4 – 12 volt 100 amp batteries would yield 400 amp hours at 12 volts
- Always take "load" wires from "opposite" sides to balance bank

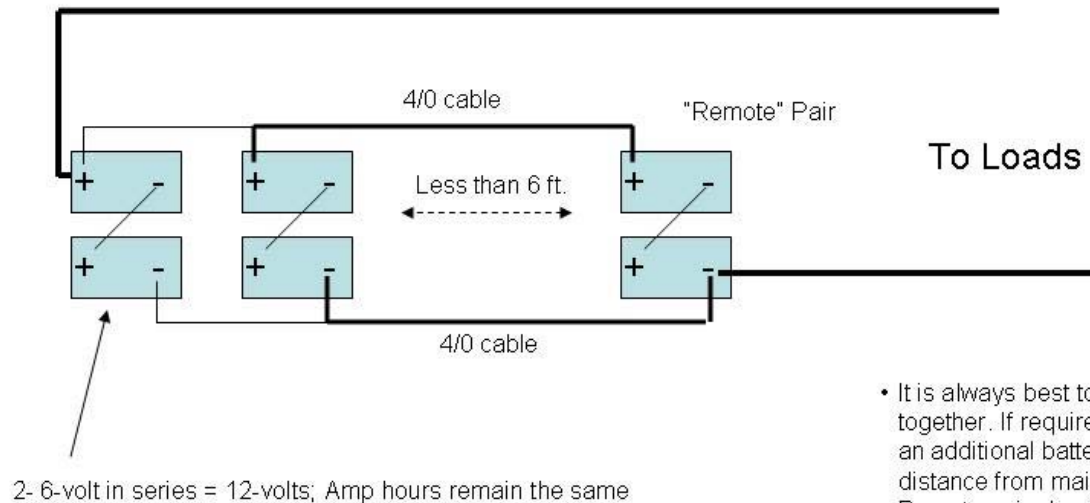


2- 6-volt in series = 12-volts; Amp hours remain the same

Series/Parallel Hookup

- In series, voltage adds. Connect + to -
- Amp hours stay the same
- Two sets of batteries in series are then joined in parallel to double amp hours.
- 4- 6-volt 210 amp batteries yield 420 amp hours at 12 volts.

"Remote" Battery Pair



Warning: *This is not an optimal way to connect batteries. For best performance you should minimize inter-pair cable length. Relocation of main bank to accommodate six batteries is a better solution, if possible.*

- It is always best to locate all batteries together. If required you can locate an additional battery pair a short distance from main bank location.
- Remote pair should be less than 6 ft of cable run from main bank
- "Load" wires MUST be taken from remote pair and main bank ("diagonally") in order to balance load and ensure proper charging.
- Use 4/0 cable to parallel remote pair and main bank.

If you have any questions, please feel free to contact me at bkirkpatrick@email.com or you can call my cellular phone (562-843-4043). I spend a lot of time with my family at Lucerne, Ocotillo Wells, Glamis, and along the coast. These were just some improvements that I needed to do.

Thanks, Brendan

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