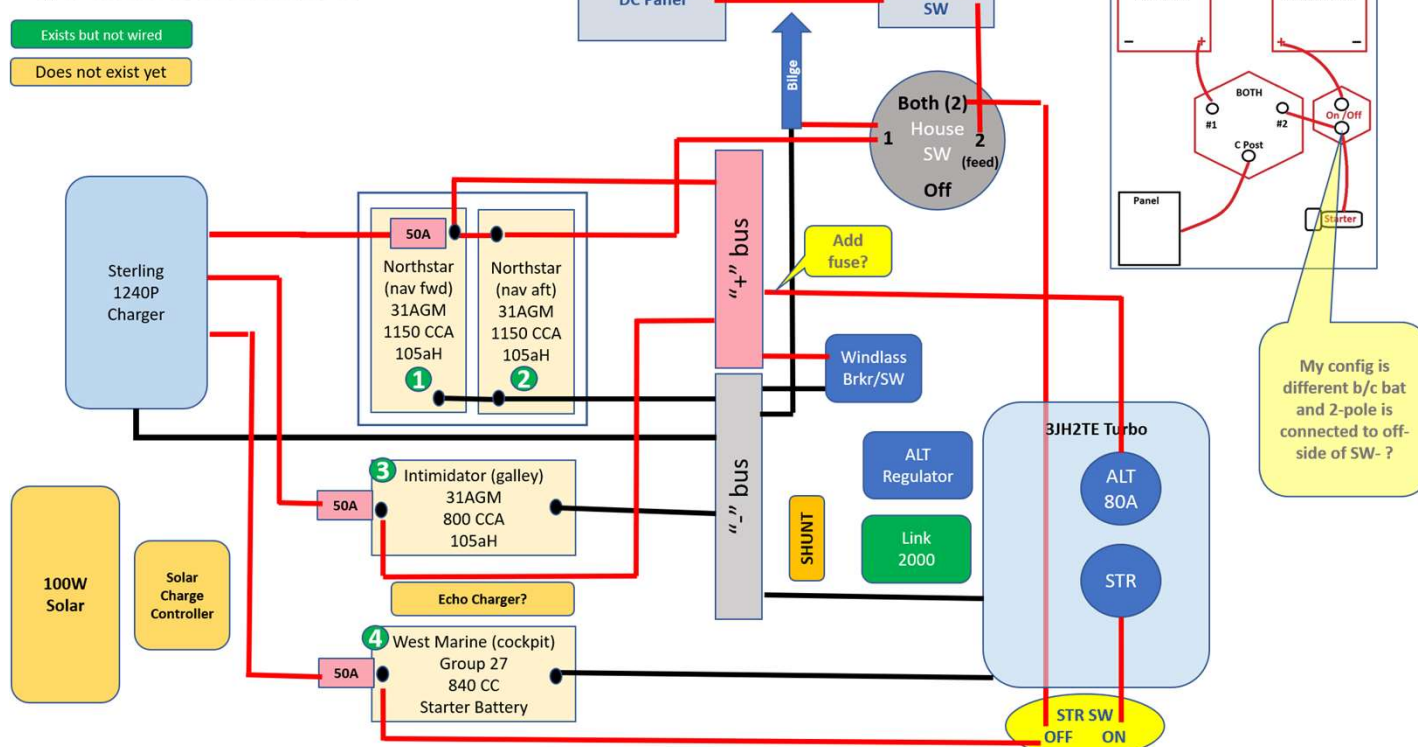


J/42 Hull #1 DC schematic v5

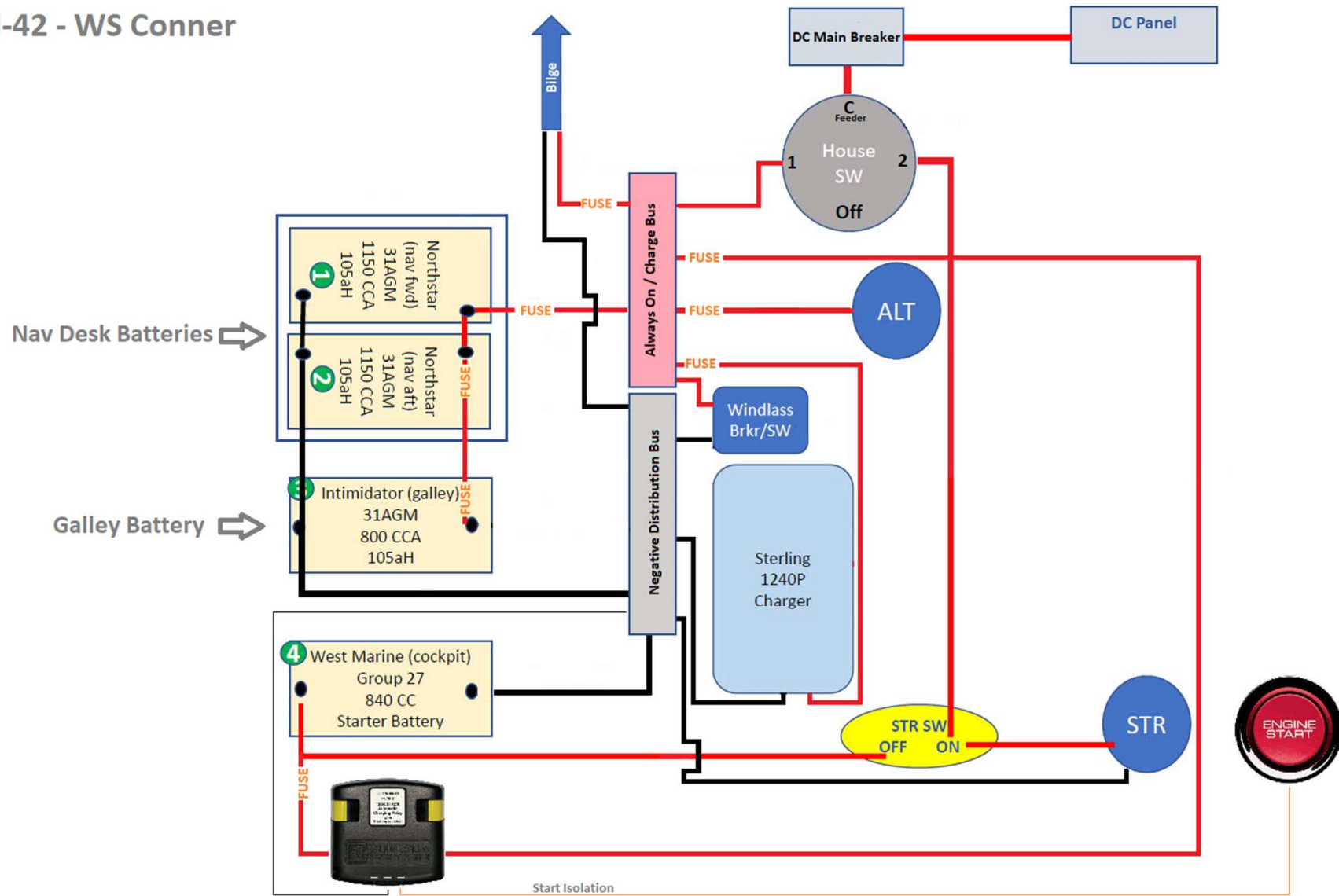


Outstanding questions:

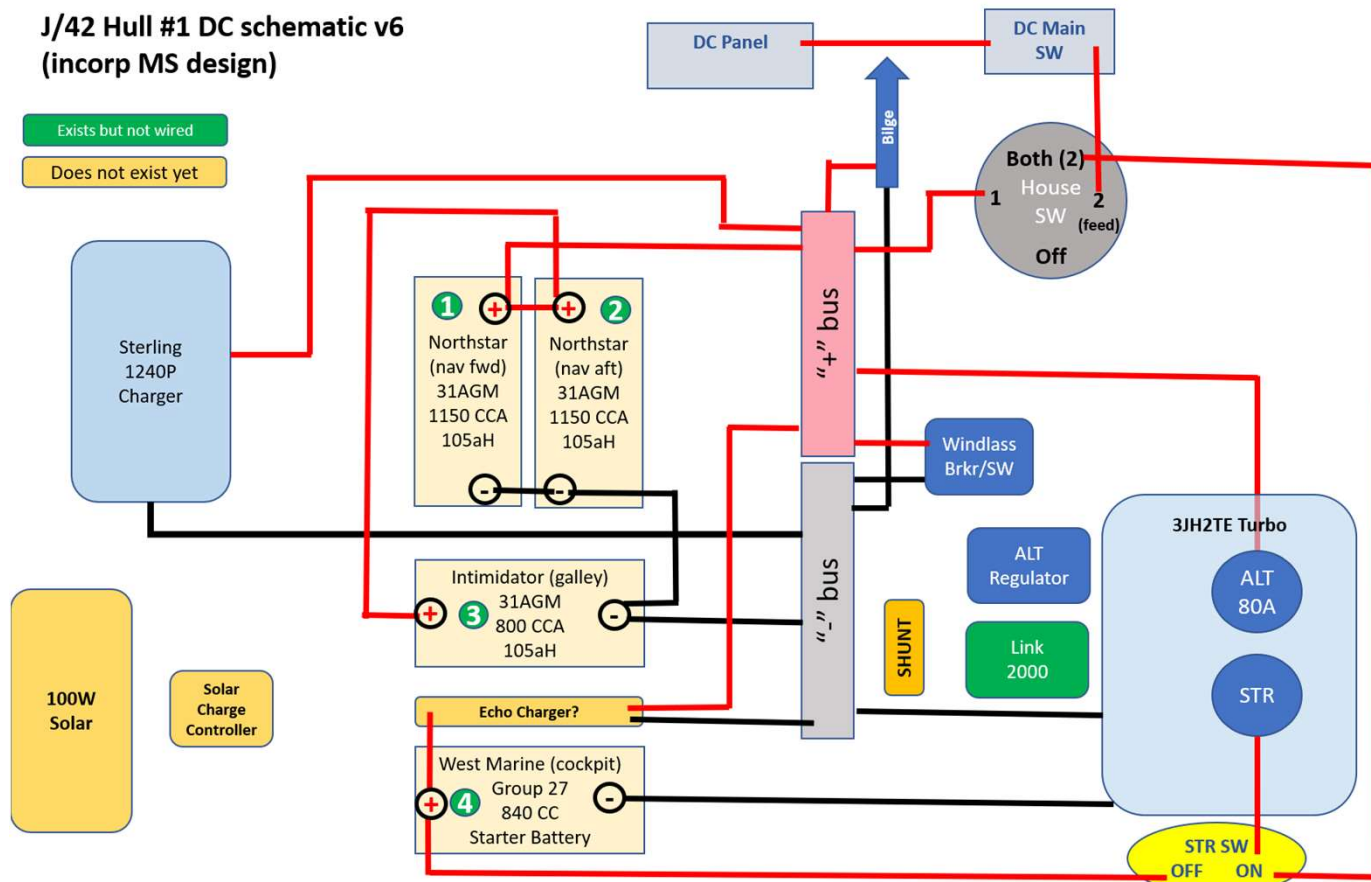
- Does it matter which of Bat 1 or 2 are connected to the "1" pole on house SW?
- Is Bat 3 already in parallel with 1&2 because its on the bus? If not, what is best way to connect Bat 3 to existing Bat1/2 bank?
- When running the engine to charge batteries, if the house SW is on "1" and the Starter SW is "ON", will all batteries be charged? Not clear how starter Bat4 is charged.
- No jumper between starter and alternator? At least that I can tell...so if it's not there..was there an echo charger installed before?

- Batteries 1 & 2 in parallel and connected to Bat SW "1" via the post on Bat-2
- Battery 3 only connected to bus (still in parallel?)
- Battery 4 (starter) on separate switch dedicated to engine starter battery
- Engine start switch wired to "2" pole on house SW.
- Bat SW "Both" sends power from bank to battery starting switch (back up for starter?)

J-42 - WS Conner



**J/42 Hull #1 DC schematic v6
(incorp MS design)**



Changes per recommendations:

1. Put all three house batteries in parallel and connected to Bus as a single bank.
2. Moved + wire for bilge from House SW "1" to + Bus.
3. Adjusted wiring on Sterling charger so it charges the primary house bank via the common Bus.
4. Incorporate ACR between house Bus and starting battery
5. Changed wiring on Starting battery switch so the feed from the House SW '2' is on the common/feed pole of Starter SW.

- Batteries 1 & 2 & 3 in parallel and connected to Bat SW "1" via the common + bus
- Battery 4 (starter) on separate switch dedicated to engine starter battery
- Engine start switch wired to "2" pole on house SW – switched wiring from the Bat pole to the Common pole.
- NOTE – FUSES NOT YET DEPICTED IN DIAGRAM

J/42 Hull #1 DC schematic v6 (incorp MS design)

Exists but not wired

Does not exist yet

