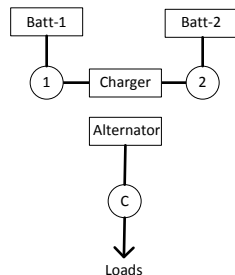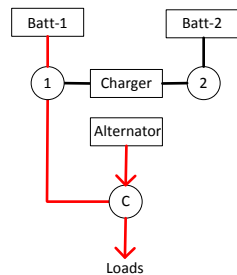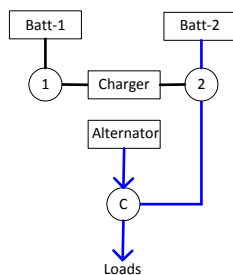# Catalina 36MKII - Factory Battery Selector Behavior – all loads controlled by selector
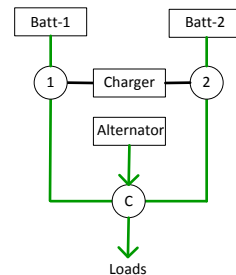

Wiring diagram
(also selector in OFF)

Selector to 1
All loads from batt-1
Alternator charges batt-1

Selector to 2
All loads from batt-2
Alternator charges batt-2

Selector to ALL or BOTH
All loads from batt-1 and batt-2
Alternator charges batt-1 and batt-2

Parallel factory batteries (house), add battery in FWD settee (start), keep selector switch, add ACR
(normal = selector position 2, load sources normally decided by ACR, manual parallel capability)

Similar to left, but eliminated battery selector switch
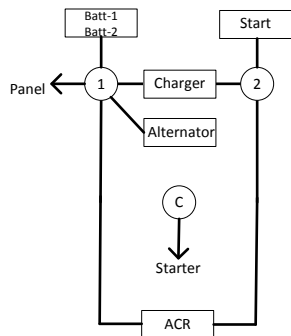
Wiring diagram
(also selector in OFF is safer)
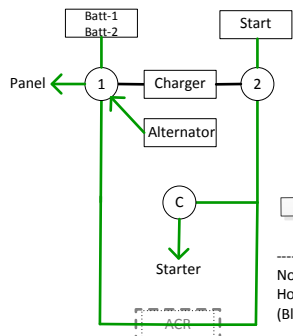
Selector to 2 (normal)
House bank 100% charged
ACR automatically opens
ACR automatically closes
Starter draws from both
Alternator charges both

Depleated

----- Over Time ----
No charging source
House bank < 12.5 volts
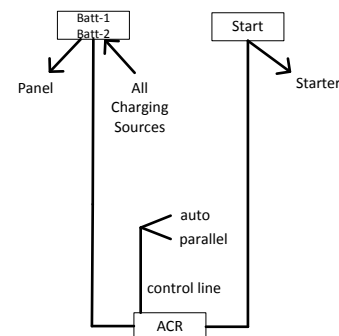(Blue Seas ACR specs)

Charged
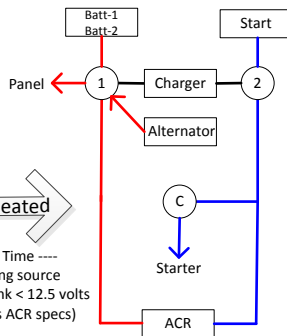
Selector to 2 (normal)
ACR automatically opens
Starter only draws from 2
Alternator charges 1 to 100%
(becomes drawing on the left)
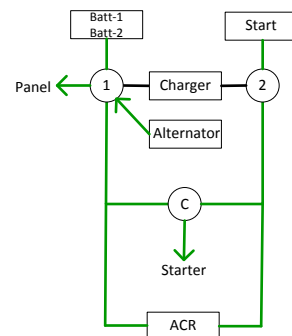
Selector to BOTH or ALL
(Bypass ACR)
Starter draws from both
Alternator charges both

Wiring diagram for Whimsea (using Blue Seas ACR)
No selector switch – only toggle switch on control line
Acts like normal (left) when control in AUTO
Acts like BOTH or ALL (left) when control in PARALLEL
Audio alarm when control in PARALLEL