build check

Install both tanks on the unit: check correct installation fixation

Connect regulators to tank valves

check millivolts in air: cell1: cell2: cell 3:

Check external battery: fire solenoid 10 seconds, EXT Voltage > 6.5V

Check oxygen sensor life: youngest sensor is < 7 months old? If not add/replace sensor and mark date

check the remaining time on the scrubbers: if needed refill with fresh sorb put moisture absorber in the inhale lung, UNDER the non-collapse tube correctly install the sensor grid and solenoid grid: check cable rooting install scrubbers in unit: TOP-marker on exhale scrubber (rMS: arrows to top)** check the scrubber O-rings, clean sealing surfaces, grease if needed close the cover, screw hand tight

check breathing loop hoses / perform stereo check (non-return valves) check bite-piece, O-rings breathing loop, clean sealing surfaces, grease if needed install breathing loop on rebreathers wrap HUD cable 3-4 times clockwise around loop

closed check (v0.4)

open O2 / add O2 manually (all) / pressure ?
turn on Shearwater [set-point high / solenoid fires?] **
[Set shearwater set-point 0.19]**
Full O2 flush: 3 X / DSV in mouth / close DSV / re-open gap rEvodream on: calibrate ?
Shearwater calibrate ?
Batteries rEvodreams / shearwater (>1.25V/3.30V, >6.5V**)
Close O2 / pressure drops ?
Depressurise O2 line

.....

Open dil / suck ADV ? / close loop Add dil manually (all) / pressure ? OPV ? / overpressure test Inflate wing to max Flush dil : PPO2 0.21 - 0.22 ?

Close dil: pressure stays?

Negative test (start)

.....

Open bail-out: pressure ? / breath: pressure ?

Check connections

Close bail-out / check mushroom valve regulator by inhaling

Gasses programmed in CC/OC

Sufficient scrubber time for the next dive?

Negative test ok? Turn off shearwater

Check harness, crotch strap, gag strap.... END

pre-jump check

open bail-out / pressure ?
breath bail-out / pressure ?
connections ?

open dil / pressure ?
ADV: suck ok?
add dill manually (all) / pressure ?
inflate wing ?
inflate dry-suit ?

- check mask, fins, spares, cutters, lights,

open O2 / pressure ?
Shearwater on / [SP low / solenoid ?]**
add O2 manually (all) / pressure ?
rEvodreams on
PPO2 > 0.7
batteries rEvodreams ? Shearwater?
Pre-breath 5 min [or RCT>0:45 ?]** / check PPO2
- gasses in shearwater computer? / CC ?