

## build check

analyse content of the O2 tank:           %O2                           pressure:           bar  
Analyse content of the Dil tank:       %O2            %He   pressure:       bar  
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 routing  
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  
*Check harness, crotch strap, gag strap....*

closed check A

(v0.5)

O2

Open, add manually: pressure ?

Shearwater [SP high]: solenoid fires? (3x)

Shearwater [SP 0.19 ]

Full O2 flush

3 X / DSV in mouth / close DSV / re-open gap

rEvodream on: calibrate ?

Shearwater calibrate ?

Batteries rEvodreams: indication?

Batteries shearwater: (>1.25V/3.30V, >6.5V\*\*)

Close O2, CMF: pressure drops ?

Depressurise O2 line

closed check B

(v0.5)

Dil

Open dil / suck ADV ? / close loop

Add dil manually (all): pressure ?

Overpressure test: OPV?

Inflate wing to max

Flush dil : Air: ppO2 0.21 – 0.22 ?

Close dil: pressure stays ?

Negative test (start)

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bail-out: open, breath: pressure ?

Check connections, close bail-out

*Check bail-out regulator*

Gasses programmed in CC/OC

Sufficient scrubber time for the next dive?

Negative test ok?

**END**

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## **pre-jump check A**

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

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

## **pre-jump check B**

**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 ?  
- check mask, fins, spares, cutters, lights, ....