



POSEIDON REBREATHER PRE-DIVE CHECK LIST

Check for damage, dirt and deteriorations during assembly.

- 1 Check that the battery is charged.
- 2 Inspect electronics module, handset, cables, electric connections, HUD, pneumatics hoses and oxygen sensors.
- 3 Mount top plate on top of scrubber, check O-rings (2 pcs).
- 4 Mount end plate in the bottom of scrubber, check O-rings and sponge (3 pcs).
- 5 Install scrubber into cartridge housing, tighten the four screws by hand.
- 6 Inspect mushroom valves in mouthpiece.
- 7 Check the small O-ring inside top. Attach electronics module, tighten the two screws by hand.
- 8 Close OPV on right counterlung.
- 9 Conduct a negative loop pressure test.
- 10 Insert smart battery and run Start-up self-tests, (see Start up procedure).
- 11 Pre-breathe. It is very important to perform a full prebreathe for a minimum of 5 minutes, while pinching your nose.



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Start up Procedure

- 1 **CLOSE OPV-VALVE TO OPEN-CIRCUIT** mode.
- 2 Push **IN** the smart battery or start with Display/M28.
- 3 Test 41: Confirm installed scrubber
- 4 Test 44, 45: turn cylinders **ON**.
- 5 Test 54: **OPEN-CIRCUIT**, breathe to test bailout regulator function.

Test Confirm and Restart

- 48 Recharge Battery/Replace battery.
- 49 Loop Leaks, Check OPV valve.
- 53 Verify Oxygen Sensors.
- 55 Needs Servicing (if persistent).

Post-Dive Checklist

- 1 Mouthpiece in **OPEN-CIRCUIT**.
- 2 Both cylinders **OFF**.
- 3 Purge ADV.