

1. Verify pressure, inert gas content and FO₂ of all cylinders. Install full labelled cylinders and turn on.

CYLINDER	SIZE/TYPE	CONTENTS	PRESSURE	ANALYZED ON/BY
Onboard Diluent	19 cf @ 3000 psi	<input type="text"/>	<input type="text"/> psi	<input type="text"/>
Onboard Oxygen	13 cf @ 3000 psi	<input type="text"/>	<input type="text"/> psi	<input type="text"/>
Offboard 1	__ cf @ ____ psi	<input type="text"/>	<input type="text"/> psi	<input type="text"/>
Offboard 2	__ cf @ ____ psi	<input type="text"/>	<input type="text"/> psi	<input type="text"/>
Offboard 3	__ cf @ ____ psi	<input type="text"/>	<input type="text"/> psi	<input type="text"/>

2. Inspect CO₂ canister o-rings including o-ring inside stack, install canister and replace stack cover. Reset stack time if applicable.

Absorbent Pack Date Remaining Time

3. Remove sponge tray from stack, make certain sponge is dry and properly installed in tray, inspect o-rings and replace tray into stack.

4. Test ROD and ensure readings are within 8 - 12 mV. Verify PO₂ values on ROD.

5. Remove O₂ Sensor Module and ensure it is dry and that desiccant is not expired.

6. Power up rig and confirm function of HUD, buddy lights and audio alarms. Read warnings screens, identify user and enter PIN number.

7. Access menu system to define gases, verify gas pressures and active diluent.

8. Confirm and compare accuracy of O₂ Sensors on Primary Display and ROD.

9. Carefully reinstall O₂ Sensor Module in Stack. **Note: Make certain that o-rings do not get pinched.**

10. Secure extra soft weights inside MK-5P shell if applicable.

11. Inspect both ends of breathing hoses and non-return valves for proper connection and position.

12. Replace shell on MK-5P and attach offboard cylinders, offboard gas supply connections and offboard HP sensor connections if applicable. **Confirm offboard reg has over pressure relief valve.**

13. Attach inflator hose for BCD to inflator. Disable ADV until rig is donned.

14. Adjust Exhalation Counterlung Exhaust Valve to fully clockwise closed position.

15. Perform negative vacuum and positive fully inflated loop pressure tests described in the Cis-Lunar Owner's Manual.

16. Verify that both oxygen and diluent selectors on the gas block are in correct position.

17. Rotate oxygen control valve to each position to confirm proper function. Return valve to Auto/ Enabled vertical position. Check function of open circuit regulator.

18. Run the Pre-Dive Check menu and Pre-breathe sequence.

19. Turn off all cylinders, purge all gas lines. Power down rig.

Note: All o-rings and o-ring mating surfaces must be clean, free of defects and well lubricated with Cis-Lunar approved oxygen lubricant. Make sure o-rings are not pinched or rolled.