

## G2000SS RECOMMENDED MONTHLY MAINTENANCE AND INSPECTION CHECKLIST

Inspection and Maintenance following this checklist are recommended to be conducted at least once a month for helmets used frequently, and once every two months for helmets used less than ten times (for ten dives) in any given month.

This checklist is to be used simultaneously with the Helmet Manual for guidance in conducting each inspection and maintenance step. The Helmet Manual will aid the inspection and maintenance process by providing more detail as to each procedure or step. After the checklist is completed, it should be documented and filed in the helmet maintenance file.

**Note:** G2000SS recommends that a certified G2000SS repair technician make all necessary repairs. If G2000SS owners choose to make their own repairs, it is strongly urged that the repairs are completed in accordance with the Helmet Manual. If any questions arise, the owners are urged to contact G2000SS for further guidance.

**Note:** If helmet will be used in contaminated waters or extreme environments, this monthly checklist will have to be completed more frequently.

**Note:** Certain parts of the helmet, such as O-rings, may be reused if no damage or deterioration is revealed by the inspection process, so long as the parts are clean.

**Note:** This maintenance and inspection checklist must be completed with the aid of the Helmet Manual. (The manual may be retrieved from [www.g2000ss.com](http://www.g2000ss.com)).

**WARNING:** G2000SS strongly recommends completion of this checklist and meeting the minimum requirements provided before using the G2000SS Helmet. However, these requirements are not conclusive, as further steps may be required depending on the type of activity performed. FAILURE TO COMPLY WITH THIS DAILY CHECKLIST MAY RESULT IN SERIOUS INJURY OR EVEN DEATH.

<b>Helmet Serial No.:</b> _____	<b>Date:</b> _____
<b>Technician:</b> _____ (print name)	<b>Signature:</b> _____

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**Comments:** \_\_\_\_\_

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## MONTHLY CHECKLIST

STEPS	PROCEDURE	INITIALS
<b>NECK DAM</b>	<p>1. Visually inspect the Neck Dam Ring for signs of damage, such as bends, scratches on the O-ring surface area, or any other deformities.</p> <p>2. Visually inspect the Neck Seal for signs of damage such as tears, rips or cuts.</p> <p>3. If the Quad Ring appears dry, slightly lubricate the Quad Ring.</p> <p>4. Replace the Neck Dam Assembly onto the Helmet and ensure a proper fit.</p> <p style="text-align: center;"><b>Note:</b> Refer to the Helmet Manual, Neck Dam Assembly and Neck Dam Installation sections, for guidance.</p>	<hr style="width: 100%;"/>
<b>NECK RETAINER</b>	<p>Remove Neck Retainer and check for damage, bends or ware. If necessary, repair current Neck Retainer or replace with new Neck Retainer.</p> <p style="text-align: center;"><b>Note:</b> Refer to the Helmet Manual, Neck Retainer section, for guidance on installation, removal and disassembly of the Neck Retainer.</p>	<hr style="width: 100%;"/>
<b>LINER</b>	<p>Visually inspect for deterioration and/or damage. If necessary, replace with new Liner.</p> <p style="text-align: center;"><b>Note:</b> Refer to the Helmet Manual, Liner section, for guidance on installation and removal of liner.</p>	<hr style="width: 100%;"/>
<b>COMMUNICATION</b>	<p>1. Without removing, check condition of speakers and microphone by visual inspection. If inspection reveals poor quality of sound, replace with new speakers and microphone.</p>	<hr style="width: 100%;"/>

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	<p>2. Without removing, check communication posts for insulator cracks or damage. If necessary, replace with new posts.</p> <p><b>Note:</b> Refer to the Helmet Manual, Communication section, for guidance on Communication components.</p>	<hr/>
<b>NOSE CLEARING DEVICE</b>	<p>1. Check NCD for ease of movement and then remove NCD and check for damage to the NCD body and components.</p> <p>2. Visually inspect O-rings and Neoprene Pad for damage and/or deterioration, and if necessary, replace.</p> <p><b>Note:</b> Refer to the Helmet Manual, Nose Clearing Device section, for guidance on installation and removal of the Nose Clearing Device.</p>	<hr/> <hr/>
<b>ORAL NASAL</b>	<p>Remove Oral Nasal and check for damage and rubber deterioration. Oral Nasal should be replaced at least annually.</p> <p><b>Note:</b> If no damage or deterioration found, wash oral nasal with soap and water, and rinse with fresh water.</p> <p><b>Note:</b> Refer to the Helmet Manual, Appendix B, for guidance on oral nasal components.</p>	<hr/>
<b>INHALATION VALVE FLAPPER</b>	<p>Remove and check for damage and rubber deterioration. Inhalation Valve Flapper should be replaced at least annually.</p> <p><b>Note:</b> Refer to the Helmet Manual, Appendix B, for guidance on Oral Nasal Components.</p>	<hr/>
<b>INHALATION VALVE HOUSING</b>	<p>Remove and visually inspect for damage. If necessary, replace with new Inhalation Valve Housing.</p>	<hr/>

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	<p><b>Note:</b> Refer to the Helmet Manual, Appendix B, for guidance on Oral Nasal Components.</p>	
<p><b>REGULATOR</b></p>	<p>1. Remove Regulator from helmet and check adjustment on Regulator. Clean Regulator with soap and water, and rinse with fresh water.</p> <p>2. Visually check Diaphragm for cuts and damage. If necessary, replace with new Diaphragm.</p> <p>3. Visually inspect O-rings on Regulator for damage and/or deterioration. If necessary, replace.</p> <p>4. Visually inspect Low Pressure Valve for damage. If Regulator performs poorly during use, low pressure valve needs to be replaced. If repair is the chosen route, repairs must be made by assigned trained technicians only.</p> <p><b>Note:</b> Refer to the excerpt from Poseidon Regulator Manual, attached to the back of this checklist, for proper adjustment of the Low Pressure Valve.</p> <p><b>Note:</b> Refer to the Helmet Manual, Cyclone 5000 2<sup>nd</sup> Stage section, for guidance on installation and removal of Regulator.</p>	<hr/> <hr/> <hr/> <hr/> <hr/>
<p><b>FREE FLOW VALVE KNOB</b></p>	<p>Remove and check condition of stem square guide hole in the Knob. Should be square and firm. If any deterioration is revealed, Knob must be replaced with new one.</p> <p><b>Warning:</b> Knob slippage on the stem might cause dangerous conditions to the diver, including death.</p> <p><b>Note:</b> Refer to the Helmet Manual, Free Flow/Exhaust Valve section, for guidance on installing and removing Free Flow/Exhaust Valve.</p>	<hr/>

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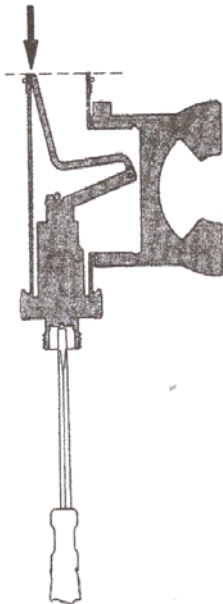
<p><b>FREE FLOW/ EXHAUST VALVE</b></p>	<p>Remove Flapper Valve and check for cracks and damage. If necessary, replace. Flapper Valve should be replaced at least annually.</p> <p><b>Note:</b> Without removing Regulator body from the helmet, refer to the Helmet Manual, Free Flow/Exhaust Valve section, for guidance on installing and removing Free Flow/Exhaust Valve.</p>	<hr/>
<p><b>MANIFOLD</b></p>	<p>Remove and clean Manifold filter. Inspect One-Way Valve for proper operation by sucking on the Umbilical and Scuba Hose Adopters.</p> <p><b>Note:</b> Without removing Manifold Block Housing from the helmet, refer to Helmet Manual, Manifold section, for guidance on installing and removing the Manifold components.</p>	<hr/>
<p><b>SHELL PARTIAL ASSEMBLY</b></p>	<ol style="list-style-type: none"> <li>1. Inspect the helmet in its entirety with the above listed components removed from the helmet.</li> <li>2. Verify condition, inspect for mechanical damage on the shell and each component of disassembly. If any damage is noticed, follow manual to replace damaged component.</li> <li>3. Check all O-ring placement surfaces to ensure proper seal.</li> <li>4. Wash entire assembly with soap and water, rinse with fresh water, and dry with air and towels. (blow water out of tube)</li> </ol>	<hr/> <hr/> <hr/> <hr/>
<p><b>ASSEMBLY</b></p>	<p>Follow Helmet Manual to assemble helmet to original condition.</p>	<hr/>

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## EXCERPT FROM POSEIDON CYCLONE 5000 REGULATOR MANUAL

### **CYCLONE 5000 SECOND STAGE LOW PRESSURE VALVE ADJUSTMENT**



5. Install the low pressure valve (15) in the mouth piece tube. Set the indent notch at the top of the valve housing against the key at the top of the mouth piece tube. Screw on the connecting ring (4).

6. Screw the valve seat down until the highest part of the operating device is even with the level of the opening of the mouth piece tube. Hold the second stage valve vertically.

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