

G2000SS OVERHAUL, MAINTENANCE AND INSPECTION CHECKLIST

Inspection and Maintenance following this checklist are to be conducted annually, unless daily or monthly inspections reveal the need for this checklist to be used more frequently.

This checklist is to be used simultaneously with the Helmet Manual for guidance in conducting each step in the performance of overhauls of the G2000SS. After completing this checklist, it should be held 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 the Helmet will be used in contaminated waters, monthly inspection and maintenance is required.

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).

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.**

Helmet Serial No.: _____	Date: _____
Technician: _____ (print name)	Signature: _____

Comments: _____

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NOTE: When this checklist is complete and the helmet is as far disassembled as it should be in accordance with this checklist, the helmet should be in the following form:

The only parts left on the helmet should be as follows:



- ❖ **Free Flow Assembly Valve body completely disassembled but to remain inside the helmet;**
- ❖ **Disassembled Back Manifold body attached to the helmet.**
- ❖ **Connecting Tube in place attached to free Flow Exhaust Valve and Back Manifold.**



Note: To remove and install 2nd Stage regulator, loosen Swagelock nut on Connecting Tube for easier alignment between Regulator and Free Flow Exhaust Valve. After final installation of the 2nd Stage Regulator, retighten nut.

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CHECKLIST

STEPS	PROCEDURE	INITIALS
	NECK DAM REMOVAL AND INSPECTION Note: Refer to the Helmet Manual, Neck Dam Assembly and Neck Dam Installation sections, for guidance on the following steps.	
CHIN STRAP	1. Check for tears and cuts.	_____
QUAD RING	2. Conduct visual inspection for damage or deterioration. Note: It is recommended that Quad Ring is replaced annually.	_____
NECK SEAL	3. Remove and inspect for cuts and/or deterioration. Note: It is recommended that Neck Seal is replaced annually.	_____
UPPER NECK RING	4. Check O-ring groove for mechanical damage. Ensure the ease of screw installation and removal.	_____
LOWER NECK RING	5. Perform a visual inspection for mechanical damage.	_____
	NECK RETAINER Note: Refer to the Helmet Manual, Neck Retainer section, for guidance on installation and removal of the Neck Retainer.	

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PULL PINS	1. Ensure the ease of movement and spring tension of Pull Pins. Check for debris inside springs and for any mechanical damage.	<hr/>
NECK RETAINER	2. Visually inspect for mechanical damage.	<hr/>
	LINER Note: Refer to the Helmet Manual, Liner section, for guidance on installation and removal of Liner.	
LINER	1. Visually inspect for deterioration and/or damage. If necessary, replace with new Liner.	<hr/>
	COMMUNICATION Note: Refer to the Helmet Manual, Communication section, for guidance on Communication components.	
SPEAKERS AND MICROPHONE	1. Using dive radio, and by visual inspection, check the condition of the speakers and microphone. If inspection reveals poor quality of sound, replace with new speakers and microphone.	<hr/>
COMMUNICATION POSTS	2. Check for insulator cracks or damage. If necessary, replace with new posts.	<hr/>
	NOSE CLEARING DEVICE Note: Refer to the Helmet Manual, Nose Clearing Device section, for guidance on installation and removal of the Nose Clearing Device.	
O-RINGS (2)	1. Visually inspect for damage and/or deterioration. If necessary, replace O-rings.	<hr/>
NEOPRENE PAD	2. Visually inspect for damage and/or deterioration. If necessary, replace Neoprene Pad.	<hr/>

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NCD BODY	3. Check for damage to NCD body and ease of movement.	<hr/>
	ORAL NASAL	
	Note: Refer to the Helmet Manual, Appendix B, for guidance on Oral Nasal components and assembly.	
ORAL NASAL	1. Remove Oral Nasal and check for damage and rubber deterioration. Oral Nasal should be replaced at least annually. Note: If no damage or deterioration found, wash Oral Nasal with soap and water.	<hr/>
INHALATION VALVE FLAPPER	2. Remove and check for damage and rubber deterioration. Inhalation Valve Flapper should be replaced at least annually.	<hr/>
INHALATION VALVE HOUSING	3. Remove and visually inspect for damage. If necessary, replace with new Inhalation Valve Housing.	<hr/>
	REGULATOR	
	Note: Refer to the Helmet Manual, Cyclone 5000 2 nd Stage section, for guidance on installation and removal of regulator.	
DIAPHRAGM	1. Check for cuts and damage. If necessary, replace diaphragm.	<hr/>
O-RINGS (3)	2. Visually inspect for damage or deterioration. If necessary, replace.	<hr/>
LOW PRESSURE VALVE	3. Visually inspect for damage. Note: If regulator performs poorly during use, low pressure valve needs to be replaced. If the diver chooses to repair the valve, repairs must be made	

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	only by assigned trained technicians. (All Poseidon distributors are qualified for 2 nd stage overhaul.)	_____
REGULATOR METAL PARTS	4. Check for mechanical damage. If necessary, replace damaged parts.	_____
	FREE FLOW/EXHAUST VALVE	
	Note: 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.	
EXHAUST FLAPPER VALVE	1. Check for damage or deterioration. Should be replaced at least annually.	_____
O-RINGS (3)	2. Visually inspect for damage and deterioration. If necessary, replace O-rings.	_____
TEFLON SEAL	3. Visually inspect for damage and deterioration. If necessary, replace Teflon Seal.	_____
SEAT-FREE FLOW VALVE	4. Visually inspect and check nylon seat condition. If necessary, replace entire Seat-Free Flow Valve.	_____
VALVE STEM	5. Visually inspect for damage, bends, and thread condition. If necessary, replace with new Valve Stem.	_____
FREE FLOW VALVE KNOB	6. Check for condition of stem square guide hole in the Knob. Should be square and firm. If any deterioration is noticed, Knob needs to be replaced with new one. Warning: Knob slippage on the stem might cause dangerous conditions to the diver, including death.	_____
	MANIFOLD	
	Note: Without removing Manifold Block Housing from the helmet, refer to Helmet Manual, Manifold	

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	section, for guidance on disassembly and installation of the Manifold components.	
CHECK VALVES (2)	1. Check One-Way Valve for proper operation by sucking on the Umbilical and Scuba Hose Adopters.	_____
O-RINGS (2)	2. Visually inspect for damage and deterioration. If necessary, replace O-rings.	_____
SCREEN	3. Visually inspect and clean with warm soap and water solution. Rinse with fresh water.	_____
MANIFOLD HOUSING	4. Visually inspect for mechanical damage.	_____
	FRONT PORT ASSEMBLY	
	Note: Refer to the Helmet Manual, Front Port Assembly section, for guidance on Front Port Assembly.	
O-RING (1)	1. Visually inspect for damage and deterioration. If necessary, replace O-ring.	_____
LEXAN PORT	2. Check condition of Lexan Port. If necessary, replace.	_____
	SHELL PARTIAL ASSEMBLY	
	Refer to the pictures above. 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. Wash entire assembly with soap and water, rinse with fresh water, and dry with air and towels. (blow water out of tube)	

Follow manual to rebuild helmet to original condition.

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