



G2000SS DIVING HELMET

ANNUAL INSPECTION AND MAINTENANCE CHECKLIST

Inspection and Maintenance procedures in accordance with this checklist are to be conducted **annually** (i.e. Annual Overhaul), unless daily or monthly inspections reveal the need for this to be conducted more frequently.

This checklist is to be used in conjunction with the helmet Technical Manual for guidance in conducting each step in the inspection and maintenance of the G2000SS.

Notes:

1. The procedures in this checklist are to be performed only by personnel who have received factory authorized training and are certified as a G2000SS service technician.
2. If you do not completely understand all of the procedures outlined in this checklist, contact Aqua Lung/Gorski to speak directly with a Technical Advisor before proceeding any further.
3. If the Helmet is used in contaminated water, monthly inspection and maintenance is required.
4. After completing this checklist, it should be kept in the helmet maintenance log/file.

WARNING: Aqua Lung America/Gorski 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 CHECKLIST MAY RESULT IN SERIOUS INJURY OR EVEN DEATH.**

COMPLETE THE FOLLOWING BOXES WHEN THE CHECKLIST IS COMPLETED

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

Comments: _____

The G2000SS is a registered trademark of Aqua Lung America, Inc. The use of this term and design for products not associated with Aqua Lung America, Inc. is prohibited.

© Copyright 2011 Aqua Lung America, Inc. All rights reserved. This manual and checklist is intended for the guidance of the user and owner of the G2000SS diving helmet. This checklist may not be reproduced in any way without prior written permission of Aqua Lung America, Inc.

ANNUAL INSPECTION AND MAINTENANCE CHECKLIST

INSTRUCTIONS

1. All parts replaced annually are contained in the Annual Service Kit, P/N 400108.
2. The helmet should be disassembled completely in accordance with this checklist, using the Technical Manual for guidance.
3. Any damaged or defective parts must be replaced.

STEPS	PROCEDURE	INITIALS
NECK DAM ASSEMBLY Note: Refer to the Technical Manual, Neck Dam Assembly section, for guidance.		
CHIN STRAP	1. Visually inspect for tears and cuts. Check that screws are present and secure.	_____
QUAD RING	2. Remove and inspect for cuts and/or deterioration. If necessary, replace the Quad Ring. Note: The Quad Ring has a long service life and is not normally replaced annually.	_____
NECK SEAL	3. Visually inspect for cuts and/or deterioration. If necessary, replace the Neck Seal.	_____
UPPER NECK RING	4. Visually inspect the O-ring groove for damage.	_____
BOTTOM NECK RING	5. Visually inspect for damage. Check that all screws are present and secure.	_____

The G2000SS is a registered trademark of Aqua Lung America, Inc. The use of this term and design for products not associated with Aqua Lung America, Inc. is prohibited.

© Copyright 2011 Aqua Lung America, Inc. All rights reserved. This manual and checklist is intended for the guidance of the user and owner of the G2000SS diving helmet. This checklist may not be reproduced in any way without prior written permission of Aqua Lung America, Inc.

NECK RETAINER AND LOCKING SYSTEM		
Note: Refer to the Technical Manual, Neck Retainer section, for guidance on removal and installation.		
PULL PINS (pre-2011 helmets)	1. Ensure the ease of movement and spring tension of both Pull Pins. Check for debris inside springs and for any mechanical damage.	_____
LATCH CATCHES (2011 onwards)	2. Disassemble both (L and R) Latch Catch Assemblies. Inspect all components for damage. Clean, reassemble and check correct function.	_____
NECK RETAINER	3. Visually inspect for damage. Remove Neck Retainer Bolt and replace Neck Retainer Nut (annually).	_____
HEAD LINER		
Note: Refer to the Technical Manual, Head Liner section, for guidance.		
HEAD LINER	1. Visually inspect for deterioration and/or damage. If necessary, replace with a new Liner. <u>Note:</u> The liner may be washed as required.	_____
COMMUNICATIONS		
Note: Refer to the Technical Manual, Communications section, for guidance.		
SPEAKERS AND MICROPHONE	1. Using the comms system, and visual inspection, check the condition of the speakers, microphone, cables and connections. Clean as required. If inspection reveals poor quality of sound, replace with new speakers and microphone.	_____
COMMUNICATION POSTS	2. Visually inspect for insulation cracks or damage. If necessary, replace with new posts.	_____
COMMS BULKHEAD	3. Visually inspect the 4-Wire Comms Bulkhead (if fitted) for damage.	_____

The G2000SS is a registered trademark of Aqua Lung America, Inc. The use of this term and design for products not associated with Aqua Lung America, Inc. is prohibited.

© Copyright 2011 Aqua Lung America, Inc. All rights reserved. This manual and checklist is intended for the guidance of the user and owner of the G2000SS diving helmet. This checklist may not be reproduced in any way without prior written permission of Aqua Lung America, Inc.

NOSE CLEARING DEVICE (NCD)		
Note: Refer to the Technical Manual, Nose Clearing Device section, for guidance.		
O-RINGS (2)	1. Visually inspect for damage and/or deterioration. Replace O-rings annually.	_____
NEOPRENE PAD	2. Visually inspect for damage and/or deterioration. If necessary, replace Neoprene Pad.	_____
NCD BODY	3. Visually inspect for damage to NCD steam. Confirm ease of movement.	_____
ORAL-NASAL MASK		
Note: Refer to the Technical Manual, Oral-Nasal Mask section, for guidance.		
ORAL NASAL	1. Remove Oral-Nasal Mask and check for damage and/or deterioration. The Oral-Nasal Mask may be washed as required. If necessary, replace the Oral-Nasal Mask. <u>Note:</u> The Oral-Nasal Mask has a long service life and is not normally replaced annually.	_____
INHALATION VALVE HOUSING	2. Remove and visually inspect for damage. All spokes of the “Wagon Wheel” must be present. If necessary, replace the Inhalation Valve Housing.	_____
INHALATION VALVE FLAPPER (One-Way Valve)	3. Remove and visually inspect for damage and deterioration. Replace the Inhalation Valve Flapper annually.	_____

The G2000SS is a registered trademark of Aqua Lung America, Inc. The use of this term and design for products not associated with Aqua Lung America, Inc. is prohibited.

© Copyright 2011 Aqua Lung America, Inc. All rights reserved. This manual and checklist is intended for the guidance of the user and owner of the G2000SS diving helmet. This checklist may not be reproduced in any way without prior written permission of Aqua Lung America, Inc.

SECOND STAGE REGULATOR		
Note: Refer to the Technical Manual, Second Stage Regulator section, for guidance.		
DIAPHRAGM	<p>1. Visually inspect for cuts and damage. If required wash with soap and water, rinse with fresh water, and allow to dry. If necessary, replace Diaphragm.</p> <p><u>Note:</u> The Diaphragm has a long service life and is not normally replaced annually.</p>	_____
O-RINGS (3)	<p>2. Replace the large (1) and medium (2) O-rings on the main body, diaphragm housing and LP valve. These are replaced annually.</p>	_____
LOW PRESSURE (LP) VALVE	<p>3. Disassemble and rebuild the LP Valve as per <i>Excerpt from Poseidon Cyclone 5000 Regulator Manual</i>. Replace the small O-ring and the red disk/seat inside the LP Valve.</p>	_____
EXHAUST FLAPPER VALVE	<p>4. Visually inspect for cuts and damage. Wash with soap and water, rinse with fresh water, and allow to dry. If necessary, replace Exhaust Flapper Valve.</p> <p><u>Note:</u> The Exhaust Flapper Valve has a long service life and is not normally replaced annually.</p>	_____
REGULATOR METAL PARTS	<p>4. Visually inspect for damage. Clean as required. If necessary, replace damaged parts.</p>	_____

The G2000SS is a registered trademark of Aqua Lung America, Inc. The use of this term and design for products not associated with Aqua Lung America, Inc. is prohibited.

© Copyright 2011 Aqua Lung America, Inc. All rights reserved. This manual and checklist is intended for the guidance of the user and owner of the G2000SS diving helmet. This checklist may not be reproduced in any way without prior written permission of Aqua Lung America, Inc.

FREE FLOW/EXHAUST VALVE and DEFOGGER

Note: Refer to the Technical Manual, Free Flow/Exhaust Valve and Defogger sections, for guidance.

EXHAUST FLAPPER VALVE	<p>1. Visually inspect for cuts and damage. Wash with soap and water, rinse with fresh water, and allow to dry. If necessary, replace Exhaust Flapper Valve.</p> <p><u>Note:</u> The Exhaust Flapper Valve has a long service life and is not normally replaced annually.</p>	<hr/>
O-RINGS (3)	<p>2. Replace all O-rings (3) annually.</p>	<hr/>
COPPER WASHERS (2)	<p>3. Replace both Copper Washers annually.</p>	<hr/>
SEAT-FREE FLOW VALVE	<p>4. Visually inspect and check nylon seat condition. If necessary, replace entire Seat-Free Flow Valve.</p>	<hr/>
VALVE STEM	<p>5. Visually inspect for damage, bends, and thread condition. If necessary, replace with new Valve Stem.</p>	<hr/>
FREE FLOW VALVE KNOB	<p>6. Check condition of the guide hole in the Knob. It should be square and firm. If any deterioration or excess play is present, replace Knob.</p> <p>Warning: Knob slippage on the stem may cause dangerous conditions to the diver, including death.</p>	<hr/>
DEFOGGER	<p>7. Visually inspect the Free Flow Barrel and Defogger Train for damage. Replace the O-ring (1) on the Swagelock Connector.</p>	<hr/>

The G2000SS is a registered trademark of Aqua Lung America, Inc. The use of this term and design for products not associated with Aqua Lung America, Inc. is prohibited.

© Copyright 2011 Aqua Lung America, Inc. All rights reserved. This manual and checklist is intended for the guidance of the user and owner of the G2000SS diving helmet. This checklist may not be reproduced in any way without prior written permission of Aqua Lung America, Inc.

MANIFOLD		
Note: Refer to Technical Manual, Manifold section, for guidance.		
MANIFOLD BODY	1. Remove the Manifold Body, complete, from the helmet.	
CHECK VALVES (2)	2. Check both One-Way Valves for proper operation by sucking on the Umbilical and Scuba Hose Adapters.	
O-RINGS (2)	3. Replace O-rings on the Manifold and Scuba Plugs annually.	
SCREEN	4. Visually inspect the Screen for damage. Wash with soap and water, rinse with fresh water, and allow to dry.	
MANIFOLD HOUSING	5. Visually inspect for damage. Wash with soap and water, rinse with fresh water, and dry by blowing through with compressed air.	
MANIFOLD GASKET	6. Replace the Manifold Gasket annually.	
O-RINGS (2)	7. Replace O-rings on the Manifold Connecting Insert annually.	
TEFLON TAPE	8. Clean <u>all</u> Teflon tape residue from Check Valves and Hose Fittings. Apply new Teflon tape prior to reassembly.	

The G2000SS is a registered trademark of Aqua Lung America, Inc. The use of this term and design for products not associated with Aqua Lung America, Inc. is prohibited.

© Copyright 2011 Aqua Lung America, Inc. All rights reserved. This manual and checklist is intended for the guidance of the user and owner of the G2000SS diving helmet. This checklist may not be reproduced in any way without prior written permission of Aqua Lung America, Inc.

<p>FRONT PORT ASSEMBLY</p> <p>Note: Refer to the Helmet Manual, Front Port Assembly section, for guidance.</p>		
O-RING (1)	1. Visually inspect the groove for damage and clean as required. Replace the O-ring annually.	
LEXAN PORT	2. Check condition of the Lexan Port. If necessary, wash with soap and water, rinse with fresh water and allow to dry. Replace the face port if damaged. <u>Note:</u> Do NOT scrub, use aerosols or chemicals on the face port – it will weaken it.	
<p>HELMET SHELL</p> <p>Verify condition and inspect for damage to the helmet shell. Wash the shell with soap and water, rinse with fresh water, and dry with air and towels. Blow water out of inner tubing using compressed air.</p>		
<p>HELMET FINAL ASSEMBLY</p> <p>Follow the Technical Manual to reassemble the helmet to original condition.</p>		
<p>HELMET FINAL TEST</p> <p>Always test the helmet after completion of assembly to confirm that it performs correctly and that there are no leaks.</p>		

The G2000SS is a registered trademark of Aqua Lung America, Inc. The use of this term and design for products not associated with Aqua Lung America, Inc. is prohibited.

© Copyright 2011 Aqua Lung America, Inc. All rights reserved. This manual and checklist is intended for the guidance of the user and owner of the G2000SS diving helmet. This checklist may not be reproduced in any way without prior written permission of Aqua Lung America, Inc.