

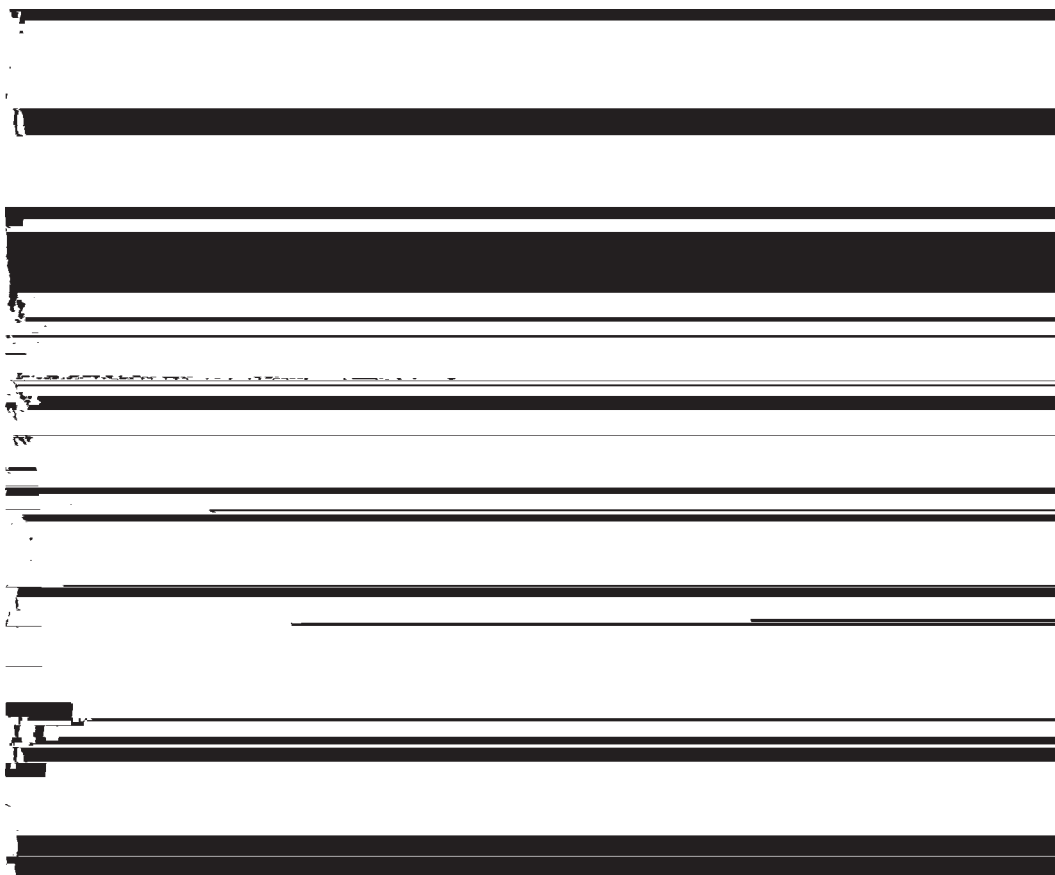


# **GENESIS**

SCUBA

## **REGULATOR OWNER'S MANUAL**

[www.GenesisScuba.com](http://www.GenesisScuba.com)



A NOTE is used to emphasize important points.

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S.C.U.D.A.I.

## CONTENTS



<b>INTRODUCTION .....</b>	<b>4</b>
<b>GENERAL WARNINGS .....</b>	<b>4</b>
<b>PREPARATION &amp; SETUP .....</b>	<b>6</b>
<b>PRE-DIVE CHECKOUT .....</b>	<b>8</b>
<b>MAINTENANCE .....</b>	<b>10</b>
<b>REGULATORS .....</b>	<b>12</b>
<b>WARRANTY .....</b>	<b>15</b>
<b>INSPECTION RECORD .....</b>	<b>19</b>

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Regulator Owner's Manual, 0700



## INTRODUCTION

PAGE 4

The purpose of this manual is to familiarize you with the proper preparation, setup, inspection, maintenance and warranty of your new **GENESIS®** regulator.



Read all instructions prior to use. After reading this manual, if you have any questions regarding the proper use or care of your **GENESIS** regulator, see your authorized **GENESIS** retailer for further assistance.

The product you have purchased is covered by our Limited Lifetime Warranty. Please be sure to read the warranty information completely and remember to save your sales receipts. You'll need them in case it becomes necessary to use this warranty.

## GENERAL WARNINGS



**USE OF SCUBA EQUIPMENT INCLUDING REGULATORS BY UNCERTIFIED OR UNTRAINED PERSONS IS DANGEROUS AND CAN RESULT IN SERIOUS INJURY OR DEATH.**

Before using this regulator underwater, you **MUST** have received training and **CERTIFICATION** in the technique of SCUBA diving from a recognized certification agency. *(Currently recognized certification agencies are PADI, NAUI, YMCA, SSI, NASDS, L.A. County, BSAC, CMAS, PDIC, IDEA, MDEA, IANTD and all U.S. Military or U.S. Government Diving Schools.)*



**DO NOT USE THIS EQUIPMENT WITH ANY GAS OR ENRICHED OXYGEN MIXTURE ABOVE 21% OXYGEN.**

**GENESIS** regulators are designed and intended for use only with clean, compressed atmospheric air (21 % oxygen and 79% nitrogen by volume). Failure to heed this warning may result in serious injury or death due to fire and explosion or the serious deterioration and failure of the equipment.



**DO NOT USE THIS REGULATOR IN WATER COLDER THAN 45°F (7°C)**

Scuba regulators and other equipment have operational limits when used in water colder than 45°F (7°C). Use of this equipment beyond its operational limits could result in failure including free flow or stoppage of air at depth. You **MUST** receive training and certification in the techniques of cold water diving from one of the certification agencies listed above before diving in cold water (below 45°F or 7°C).

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**THIS REGULATOR (AS IS) IS NOT INTENDED FOR COMMERCIAL USE WITH SURFACE SUPPLIED AIR.** Federal Regulations (29 CFR 1910.442) may require additional communications equipment. Use of this regulator for commercial use with surface supplied air could result in loss of consciousness at depth.



**NEVER LUBRICATE ANY PART OF THE REGULATOR WITH A HYDROCARBON-BASED LUBRICANT, SUCH AS HOUSEHOLD OIL OR MOTOR OIL.** Use only lubricants approved by GENESIS Scuba on rubber components. Use of incorrect lubricants can result in premature deterioration of rubber components and/or contamination or poisoning of your air supply.



Repair, service or addition of accessories to the regulator is to be performed **ONLY** by an authorized GENESIS dealer.



Always apply pressure to the regulator gradually by opening the tank valve **SLOWLY**. Opening a fully charged tank valve quickly can cause accelerated wear in your regulator which would lead to more frequent service requirements.



**BEFORE EACH USE THE REGULATOR MUST BE GIVEN A THOROUGH VISUAL INSPECTION AND FUNCTIONAL TEST. SEE PAGE 8 FOR A PRE-DIVE CHECKOUT LIST.** NEVER dive with a regulator which shows signs of damage or provides substandard performance. Failure to heed this warning could result in serious injury or death.



**A SPORT DIVER SHOULD LIMIT HIS/HER DIVING DEPTH TO NO DEEPER THAN 130 FEET. DEEP DIVING REQUIRES SPECIAL TRAINING AND EQUIPMENT. GENESIS SCUBA DOES NOT ADVOCATE DIVING TO DEPTHS BEYOND 130 FEET.**



GENESIS SCUBA recommends that you have your regulator set up by your authorized GENESIS dealer. Your dealer can also answer questions you may have pertaining to the information in this manual.

### **Mounting the First-Stage Regulator on the Cylinder Valve**



REFER TO THE DIAGRAM ON PAGE 7.

1. Inspect the cylinder valve outlet O-ring for any wear or damage. If the O-ring is damaged or worn, replace the O-ring before mounting the regulator on the cylinder valve.
2. Partially unscrew the yoke screw of the first stage regulator and remove the dust cap from the filter and air inlet.
3. Place the first stage regulator over the cylinder valve such that the air inlet filter area aligns with the valve outlet O-ring. While holding the regulator in place, turn the yoke screw clockwise. Make sure the pointed end of the yoke screw goes into the small dimple on the backside of the cylinder valve. Tighten finger tight.
4. Pressurize the regulator by slowly turning the cylinder valve on-off handwheel counterclockwise. If a submersible pressure gauge is attached to the first stage, be sure to point the gauge away from you. Continue to turn the valve handwheel counterclockwise until fully open. Once the valve is fully open, turn the valve on-off handwheel clockwise 1/4 to 1/2 turn.

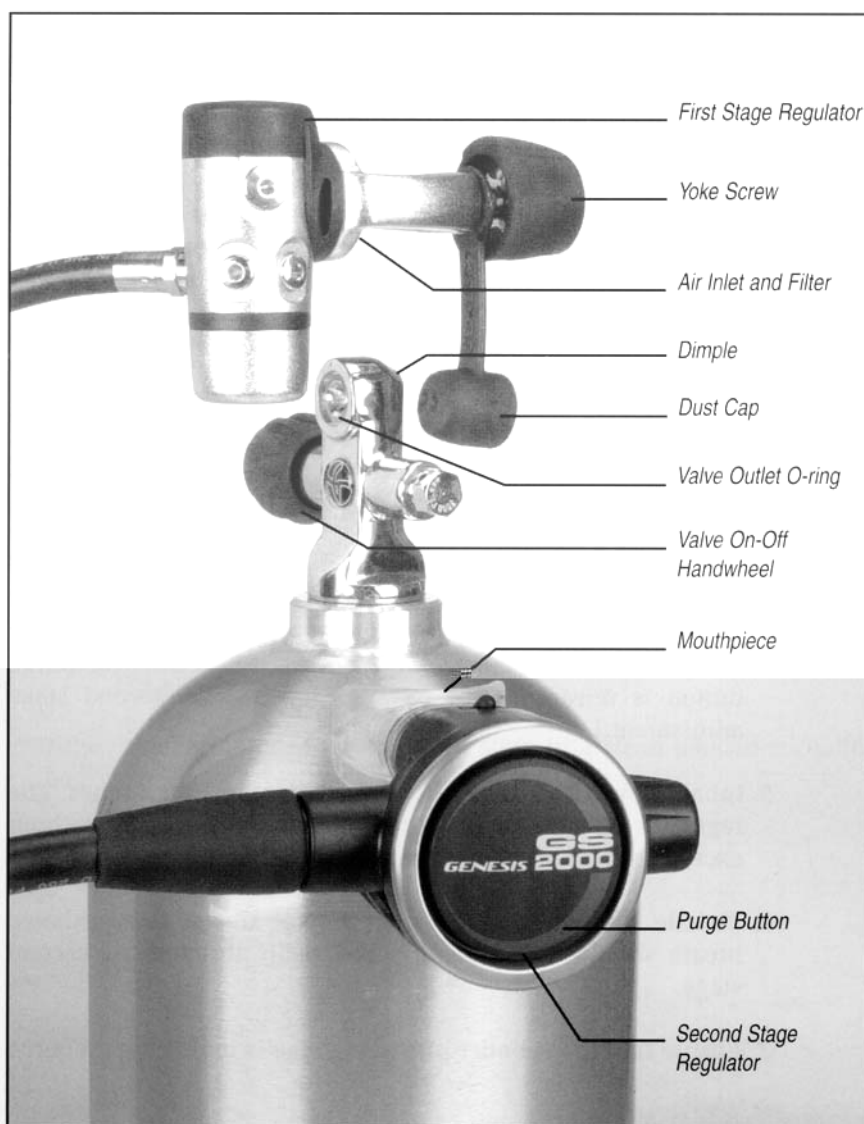
### **Removal of the Regulator from the Cylinder Valve**

1. Turn off the cylinder air supply by turning the cylinder valve on-off handwheel clockwise until it stops.
2. While observing the submersible pressure gauge, depress the purge button of the second stage. When no more air is coming out of the second stage mouthpiece and the gauge is reading zero, release the

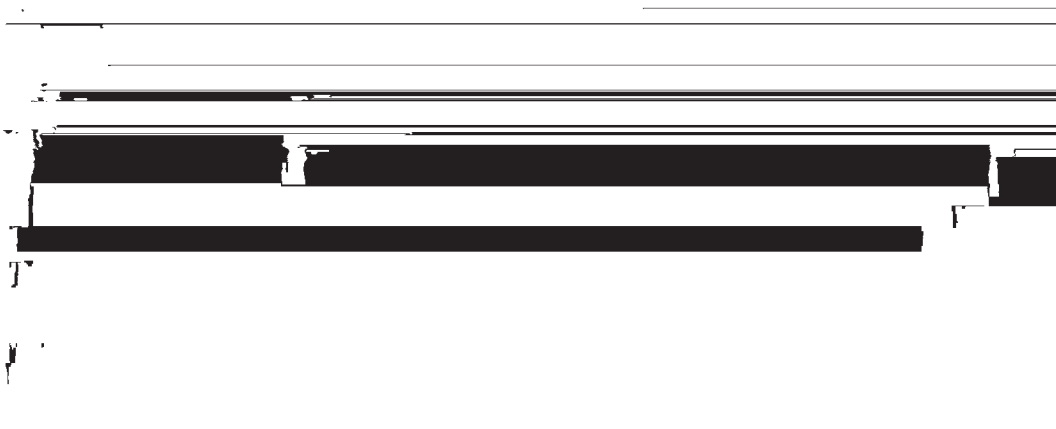




3. Turn the yoke screw counterclockwise just enough to remove the first stage regulator from the cylinder valve. Replace the dust cap by placing it over the air inlet filter area and secure it in place by tightening down the yoke screw.



1. Check the hoses. Make sure all hose fittings are connected to the proper regulator ports, the end fittings are properly tightened and the hoses are not cut, abraded or otherwise damaged. If hose protectors are present, slide the protectors back to expose the hose end fittings and inspect the hose as described above.
2. Visually inspect both the first and second stage regulators for signs of external damage.
3. Connect the first stage regulator to a fully charged SCUBA cylinder. For mounting instructions, read the Preparation and Setup section of this manual.
4. SLOWLY open the cylinder valve all the way. Push the purge button to blow out any dust or debris which may have found its way into the second stage. The second stage, with the exception of the GS2000, should not free-flow after the purge button is released. (See page 13 for GS2000 second stage adjustment.)
5. Inhale slowly and deeply from the regulator several times. The



Regulator should deliver an ample amount of air without excessive effort, flutter or free-flow.

6. Exhale through the regulator several times. Your exhaled breath should flow smoothly and easily through the second stage.
7. Ensure that the cylinder pressure gauge is indicating properly.





Providing the best possible preventative and routine maintenance before, after and between dives will help to ensure the maximum life of your GENESIS regulator. To achieve this goal, there are a number of simple, yet important, routine maintenance procedures that should be followed by the diver after each use of the equipment.

#### Post-Dive Procedure

1. After each day of diving, the regulator must be cleaned, inspected and prepared for the next use or for storage. As soon as the regulator is removed from the SCUBA cylinder, reinstall the dust cap over the regulator inlet port.
2. As soon as possible after diving, the regulator must be soaked in warm (not over 120°F) water to remove salt and mineral deposits. Soaking regulator parts in warm water will remove more salt and mineral deposits than conventional rinsing. The preferred method is to attach the regulator to a charged SCUBA cylinder, open the cylinder valve, and thoroughly soak both the first and second stage regulators. Depress the purge button several times while the regulator is submerged in water.



If no charged cylinder is available, follow the procedure in step 2 above, but DO NOT press the purge button or leave the dust cap off when the regulator is submerged in water. Otherwise, water will enter both regulator stages and may result in internal corrosion and cause air leakage.

3. Allow the regulator to air dry, then store in a clean padded regulator bag.

inspection, overhaul and scheduled parts replacement as recommended in order to comply with the *Limited Lifetime Warranty* for the regulator. Use as rental equipment might require cleaning and overhaul of the regulator every three to six months.

2. REGULARLY INSPECT THE FILTER IN THE INLET PORT OF THE FIRST STAGE. If it is discolored or corroded, replacement by trained personnel is required. Rust or aluminum oxide (white/gray powder) deposits on the filter are usually an indication that salt water has entered the SCUBA cylinder and caused internal corrosion. If these conditions are noticed, have your SCUBA cylinder(s) internally inspected.
3. PERFORM A PRE-DIVE CHECKOUT BEFORE EVERY DIVE. See page 8 for more details.



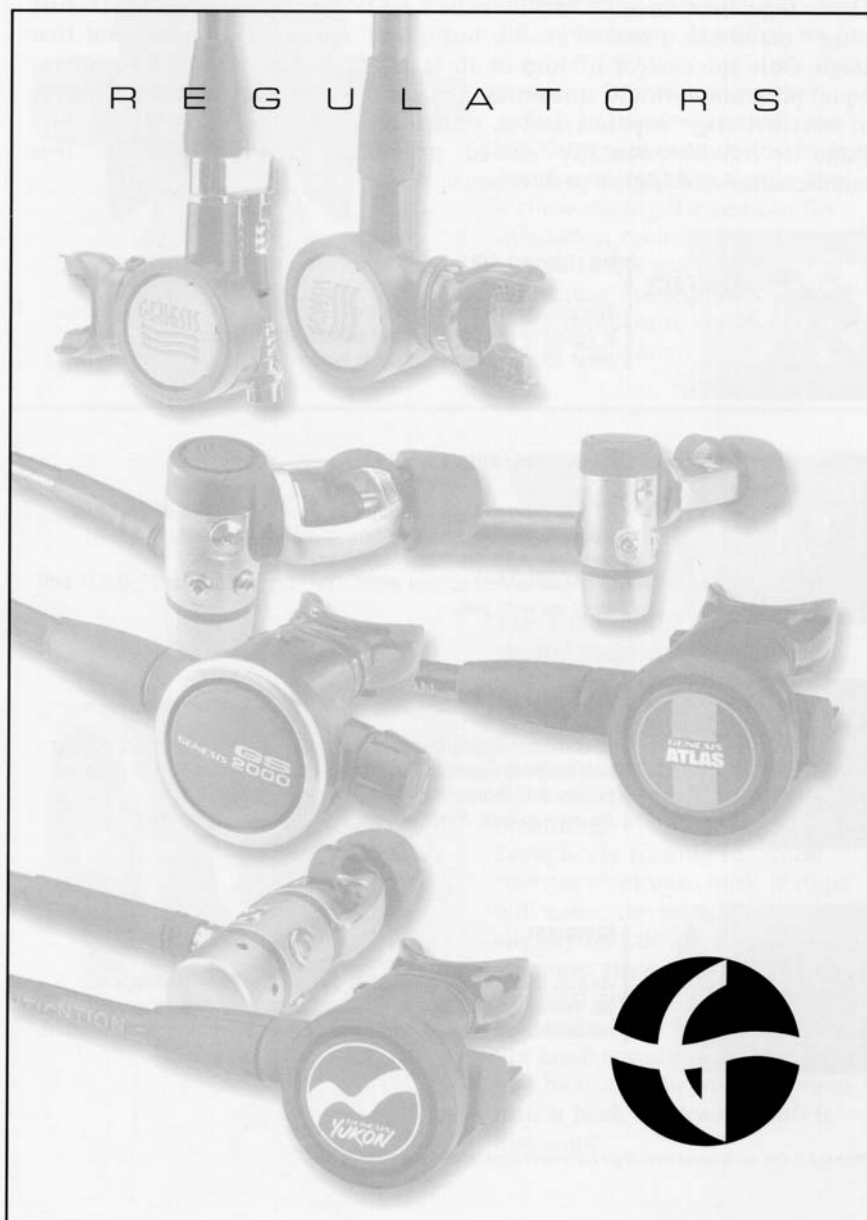
HAVE YOUR REGULATOR SERVICED AT LEAST ONCE A YEAR. YOUR PERSONAL SAFETY DEPENDS UPON IT.

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## R E G U L A T O R S



**DRY AIR DEMAND FIRST STAGE - D.A.D.**

These regulators have GENESIS Scuba's *NEW* first stage. The *D.A.D.* first stage\* maintains a *seal* of air. No water, salt, silt or sand enters your first stage. Only the correct amount of air is added during descent to maintain equal pressure with the surrounding water pressure. During ascent the air in our first stage expands and is vented off as bubbles. The *D.A.D.* first stage is environmentally sealed providing greater reliability, less maintenance and higher performance.

**SURFACE****NO LEAKING AIR!**

*The atmospheric air pressure is equal to the air chamber of your first stage. None of your breathing air is wasted.*

**DESCENT****STILL, NO LEAKING AIR!**

*As you descend, air is added to the air chamber of your first stage. A precise amount of air is added to maintain equal pressure with the surrounding water pressure. Descend as fast as you want. The "Dry Air Demand", D.A.D. will keep up with you.*

**BOTTOM****STILL, NO LEAKING AIR!**

*At constant depth, the pressure within the air chamber of your first stage is equal to the surrounding water pressure. This pressure is maintained with a one-way valve. No air escapes. None of your breathing air is wasted.*

**ASCENT****BUBBLES!**

*As you ascend, the air within the air chamber will expand. As this air expands, it is released from your first stage. No additional air is used and none of your breathing air is wasted.*

\*The D.A.D. Dry Air Demand First Stage has patent pending design features.



DIVE/PRE-DIVE SWITCH



The Dive/Pre-Dive Switch is located on the top surface of the second stage of the GS2000 and Atlas regulators. It can be set in the "+" (dive) or "-" (pre-dive) position. By positioning this switch in the dive position the regulator will provide the least effort required to maintain the airflow during the peak of the inhalation cycle. Setting the switch in the pre-dive position will cause the regulator to be more resistant to free-flow while out of the water.

GS2000 ONLY



ADJUSTABLE DIVER INHALATION



The knob on the side of the second stage can be adjusted allowing you to tailor the breathing resistance for different diving conditions. Turning the knob counter clockwise decreases the resistance of breathing.

Completely turning the knob counter clockwise until it stops will cause the second stage to slightly free flow.

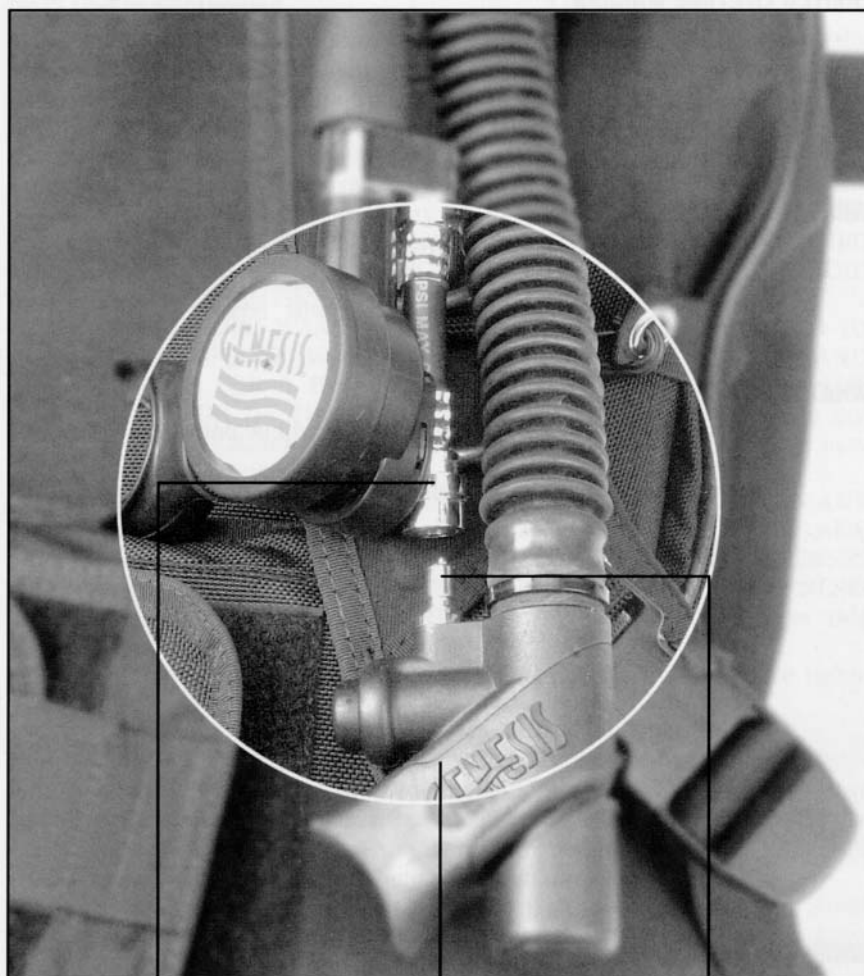
To adjust the second stage for the least amount of breathing resistance prior to the dive turn the knob counter clockwise until you hear a slight free flow then turn it back clockwise until it just stops

**SIDEKICK™ GS065**

- Functions as your BCD low pressure inflator hose and octopus
- Dive with one less hose.
- Replaces your BCD low pressure inflator hose and standard octopus
- Convenient, fixed location.
- Compact, lightweight design.
- Specifically tuned to resist unwanted freeflow.
- Bright "hi-viz" yellow accents for easy identification.

**SIDEKICK USE**

- An Authorized Genesis Dealer should make installation to your regulator's first stage
- Attachment to your BCD power inflator is made with the quick disconnect coupler on the SideKick
- Prior to pressurizing the regulator, slide the outer ring of the quick disconnect coupler back and press onto the quick connect nipple of the inflator and release the sliding outer ring.
- Check attachment of the SideKick to the inflator by giving it a slight tug
- Follow the preparation and setup directions on page #6
- Perform a Pre-Dive Check-out on the SideKick directions on page #6
- Check the function of the BCD inflator including inflation of BCD
- Follow removal of regulator procedure on page #6
- Release the SideKick from the BCD power inflator by the same method as attachment



Quick-disconnect Coupler

BCD Inflator

Quick-disconnect Nipple

Inspection, service, and/or labor charges will be paid by the regulator owner.

Some regulator parts are subject to wear under normal or minimal use. O-rings, high pressure seats, low pressure seats, filters,

should be inspected for excessive wear on a regular basis. Replacement of these items constitutes normal maintenance, and is the responsibility of the owner. See the *GENESIS 2 Year Parts Program* next page.

This warranty does not cover damage to the product resulting from the introduction of rust or other contaminants from the air supply, improper usage, improper maintenance, neglect of care, alteration or unauthorized repair. This warranty will automatically become void if proper preventative maintenance procedures have not been followed as outlined in this manual.

All repairs made, not covered under the terms of this warranty will be made at the owner's expense.

#### **WHAT YOU NEED TO DO**

Keep a copy of the original purchase receipt and subsequent inspections with this manual.

Your **GENESIS** regulator must be inspected and serviced by a Authorized **GENESIS** repair facility within 6 weeks before or after the one year anniversary date of your purchase or last servicing.

Put this manual, your original purchase receipt, and subsequent inspection receipts in a safe place for future reference.

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specified time will void the warranty.

The repair facility must sign your inspection record at each annual service. Failure to do so will void the warranty.

This warranty is nontransferable from the original owner. No salesperson, dealer or representative is authorized to make any modification to this warranty.

USE OF THIS EQUIPMENT BY A PERSON WHO IS NOT CERTIFIED BY A RECOGNIZED AGENCY SHALL RENDER NULL AND VOID ALL WARRANTIES, EXPRESSED OR IMPLIED.

ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. Some states do not allow limitations on the duration of implied warranties so this may not apply to you.

GENESIS SCUBA SHALL NOT BE LIABLE OR RESPONSIBLE IN ANY MANNER FOR LOSS OF USE OF THE PRODUCT OR ANY

INCIDENTAL, CONSEQUENTIAL, OR INDIRECT COSTS, EXPENSES OR DAMAGES INCURRED WITH THE USE OF THE GENESIS REGULATOR. Some states do not allow this exclusion so this limitation may not apply to you.

This warranty gives you specific legal rights. You may have rights which will vary from state to state.

#### **GENESIS 2 YEAR PARTS PROGRAM**

GENESIS SCUBA will provide the annual service kits for your GENESIS regulator and first two annual service/inspections. The service kits contain all the standard overhaul parts that GENESIS recommends be replaced at least on an annual basis.

The *GENESIS 2 Year Parts Program* is automatic. But you must adhere to the stipulations of the *Limited Lifetime Warranty* to keep it in effect.

- Your regulator must be inspected/serviced only by an authorized GENESIS dealer.
- Your regulator must be inspected/serviced within 6 weeks before or after the one year anniversary date of your purchase or last servicing.
- Keep a copy of the original purchase receipt and subsequent inspections with this manual.
- Inspection, service and/or labor charges will be paid by the regulator owner.

This program is nontransferable from the original owner.

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**SCRIBBLE**

**PAGE 18**

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Purchase Date \_\_\_\_\_ Regulator Model \_\_\_\_\_

First Stage S/N \_\_\_\_\_ Second Stage S/N \_\_\_\_\_

**YEAR 1**

Dealer \_\_\_\_\_ Date \_\_\_\_\_

Address \_\_\_\_\_

Service Technician Signature \_\_\_\_\_

**YEAR 2**

Dealer \_\_\_\_\_ Date \_\_\_\_\_

Address \_\_\_\_\_

Service Technician Signature \_\_\_\_\_

**YEAR 3**

Dealer \_\_\_\_\_ Date \_\_\_\_\_

Address \_\_\_\_\_

Service Technician Signature \_\_\_\_\_

**YEAR 4**

Dealer \_\_\_\_\_ Date \_\_\_\_\_

Address \_\_\_\_\_

Service Technician Signature \_\_\_\_\_

**YEAR 5**

Dealer \_\_\_\_\_ Date \_\_\_\_\_

Address \_\_\_\_\_

Service Technician Signature \_\_\_\_\_

**SERVICE KIT YEAR 2**

Regulator Model \_\_\_\_\_

Second Stage S/N \_\_\_\_\_

Owner \_\_\_\_\_

GENESIS Dealer \_\_\_\_\_

**SERVICE KIT YEAR 1**

Regulator Model \_\_\_\_\_

Second Stage S/N \_\_\_\_\_

Owner \_\_\_\_\_

GENESIS Dealer \_\_\_\_\_

Authorized GENESIS SCUBA  
dealers are equipped to  
provide you with the service  
you need including technical  
service, repair and returns.  
Should you need to return a  
product under warranty,  
please provide your GENESIS  
dealer with the item and your  
sales receipt.

*Questions or comments may be directed to:*



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