

AQUA LUNG®

Service Manual



LEGEND LX – LX SUPREME LEGEND LUX - LUX SUPREME

Second Stage

INDEX

COPYRIGHT.....	3
INTRODUCTION.....	3
WARNINGS, ATTENTION, NOTE.....	3
MAINTENANCE.....	3
GENERAL INSTRUCTIONS.....	3
GENERAL CONVENTIONS.....	4
DISASSEMBLY PROCEDURE.....	4
REASSEMBLY PROCEDURE.....	7
SECOND STAGE ADJUSTMENT.....	9
FINAL ASSEMBLY.....	10
Table 1. Troubleshooting guide.....	11
Table 2. List of tools and service kits	12
Table 3. Recommended cleaners and lubricants.....	13
Procedure A. Cleaning and lubricating.....	14
Table 4. Torque settings.....	15
Table 5. Checking specifications.....	16
Exploded views of Legend second stage	17

Revision	Description
12/2011	Update of the exploded view 129705

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INTRODUCTION

This manual gives the instructions and the recommendations for the disassembly, the cleaning, the checking, the reassembly and the adjustment of an Aqualung regulator.

This manual is not an instruction manual for unqualified personnel. The procedures described in this manual are intended only for qualified personnel who have been trained in the servicing of Aqualung equipment during a specialised course.

If you do not understand certain procedures in this manual you should contact an Aqualung service consultant before undertaking any operation.

WARNINGS, ATTENTION, NOTES

Certain icons have been used to facilitate the reading and understanding of this manual. They have the following meanings :



ATTENTION: Indicates a situation or action that could cause serious damage to the product, making it dangerous if the advice given is not followed correctly.



WARNING: Indicates situations that could result in serious or fatal accidents if the advice given is not followed correctly.



NOTE : Notes are used to emphasize important points as well as information which needs to be remembered.

MAINTENANCE



Attention: Whatever the number of dives carried out during a year, the regulator should receive a complete service each year. If the regulator is used in a chlorinated or aggressive environment the service period should be reduced to six months.

In order to conform with the Aqualung Regulator Lifetime Guarantee, all servicing (inspection, servicing and repairs) should be recorded in the Service Record incorporated in the regulator User Manual.

GENERAL INSTRUCTIONS

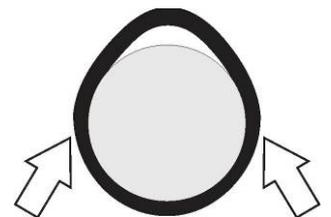
1. In order to carry out the procedures described in this manual correctly it is important that you follow the steps in the exact order indicated. Read the manual through completely so that you become familiar with all the procedures, the special tools and the replacement parts, before starting to disassemble the product. Keep this manual open near to you so that you can refer to it step by step. Do not rely on your memory..
2. All servicing and repair procedures should be carried out in a workshop that is clean, well lit, easy to access and specially fitted for the purpose.
3. The regulator body should never be directly held in the jaws of a vice. To hold the body, screw the tool 006230 into the HP port and then grip the tool with the vice.
4. Once the regulator has been disassembled, the re-usable components should be separated from the components that need to be replaced. Fragile items with seats or crowns with critical sealing surfaces should be separated and protected during servicing in order to prevent any damage.
5. Use only spare parts from Aqualung service kits. Never replace an Aqualung part with one from another manufacturer, even if it appears similar.
6. Never re-use regulator parts which should be replaced on the pretext that the regulator has seen little use since its manufacture or since its last service.
7. When reassembling, check that the torque used conforms with that shown in Table 4, Torque. Some parts can be irretrievably damaged if the acceptable torque is exceeded.

GENERAL CONVENTIONS

The conventions described below define the actions to be carried out when an instruction is given.

1. **Unscrew:** to unscrew a threaded part, turn it anti-clockwise.
2. **Screw:** to screw a threaded part, turn it clockwise.
3. **Remove the O-ring:** To remove an O-ring follow the method below, using the special tool provided for this purpose. Any tool that could damage the O-ring should be avoided. In every case, replace the O-ring removed with a new one.

Press simultaneously on the two sides of the O-ring in order to form an 'eye'. . Insert the special tool into this eye to remove the O-ring.



4. The acronyms used:
LP: Low Pressure
MP: Medium Pressure
HP: High Pressure
5. Numbers in brackets indicate the part number of the component shown on the exploded view attached.

Disassembly Procedure



Note: Before commencing disassembly, consult the exploded view to check the reference numbers of all parts requiring replacement. These parts should all be replaced by new parts and should not be re-used on the pretext that the regulator has seen little use since its manufacture or since its last service.

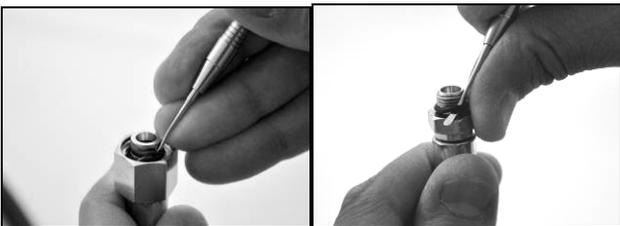


Attention: Use only the special tool when removing O-rings in order to avoid damaging the seal recess. The slightest scratch on a sealing surface could cause a leak. If a surface should be damaged then this part should be replaced with a new one. Do not use any pointed instrument or metal tool to remove O-rings.

1. Use a 19mm allen key to hold the exchanger nut (129631 / 129748) and unscrew the end nut of the hose.



2. Remove the O-ring from the hose nipple. Take care not to damage the O-ring groove. Remove the O-ring from the hose threaded end.



3. Slide back the hose protectors and check that there are no signs of impact and that the crimped ends are in good condition and that they firmly grip the hose. If not, it should be replaced.



4. Hold the second stage as shown on the picture.



5. Use the seat extractor tool (116236) to push the pin locker out, then remove the exhaust baffle (129731).



6. Remove the lip shield (125613) (Supreme model only), remove the reusable clip (129154) and remove the mouthpiece.





7. Remove the front cover (129676) as follow :

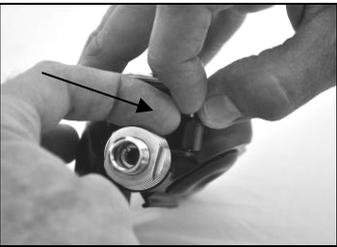
6.1 Push the pin locker out



6.2 Hold the pin locker by its head to clear the hole of the casing.



6.3 Rotate the front cover anti-clockwise.



6.4 The pin locker is cleared.



6.5 Remove the front cover.



8. Remove the purge cover (129639) .

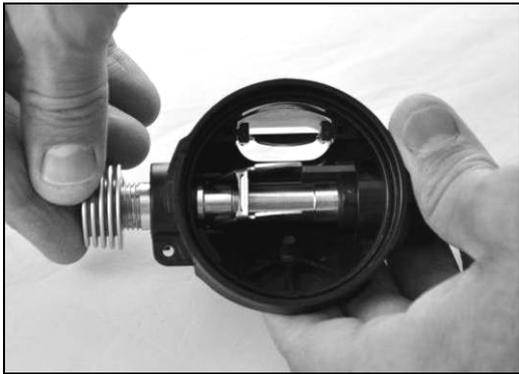


9. Pulling out the slot, remove the diaphragm ring. Remove the diaphragm (129657).



10. Using 19mm Allen wrench, unscrew and remove the heat exchanger nut (129631 or 129748).





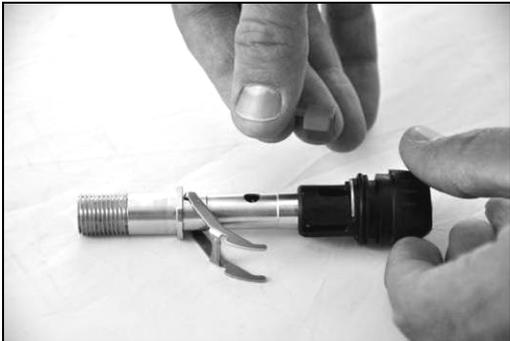
11. Turn the adjustment handwheel anti-clockwise to the end. Hold the lever down against the insert and push the insert assembly out of the casing.



12. Remove the spacer (129652) and the o-ring (124706).



13. Remove the red Venturi baffle (129644).



14. Screw the handwheel half turn then the key must fall on the table.



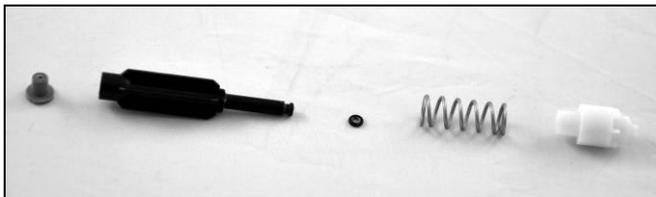
If the key remains, remove it , using the o-ring extractor.



15. Unscrew completely the handwheel (129634).



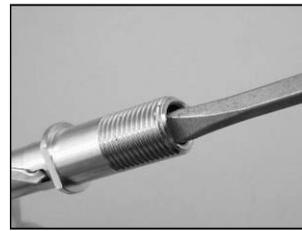
16. Insert a rod or tool (116236) into the insert (threaded side) and push out the valve seat assembly. Separate the components of the valve seat. Use your fingernail to remove the seat and the small O-ring of the shuttle valve.



17. Remove the o-ring (AP1438).



18. Unscrew the seat 6 or 7 turns using a screwdriver. Push the plastic part of tool (116236) into the insert to push out the seat. Remove the seat O-ring.



19. Use the tool (125727 or 129001) to unscrew the plug. Remove the handwheel from the adjusting screw.

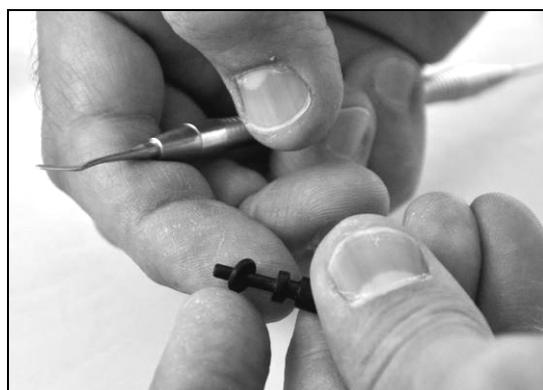


20. Use a 4 mm Allen key to remove the screw.





21. Remove both o-rings from the adjusting screws



22. Lift the exhaust valve and check that its surface is clean and free of scratches. It should be flexible and its edges should be clean. If it is in good condition it is not necessary to remove it and it can be re-used. If there are any signs of deterioration it should be replaced



END OF DISASSEMBLY



Before starting to re-assemble the regulator, make sure that all replacement parts have been cleaned and lubricated in accordance with Procedure A: Cleaning and Lubricating on page 21.



CLEANING OF THE VALVE SPINDLE 129626

The over-molded Valve Spindle 129626 must be cleaned using the NETALU (or OAKITE) diluted at 25% in an ultrasonic bath at 40°C for 5 minutes.

The over-molded Valve Spindle 129626 must NOT be cleaned with other products.

RE-ASSEMBLY PROCEDURE

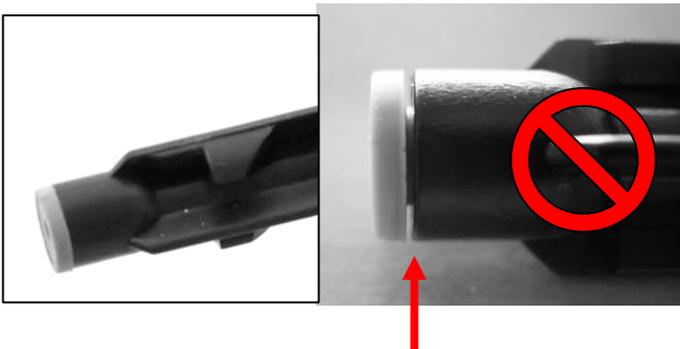
1. If the exhaust valve has been removed, pass the valve tail through the hole in the casing from the outside and pull gently until the notch is inside the casing. If it is a new valve cut off any excess tail leaving about 5mm.



2. Fit a new lubricated o-ring (AP2041) into the shuttle valve groove and insert a new valve seat (129638) into the shuttle valve.



NOTE: Using your brush, grease the tail of the shuttle valve with Christolube MCG111



NOTE: Make sure the seat is properly pressed against the shuttle valve. If necessary, perform a rotation of your thumb pressing the seat.

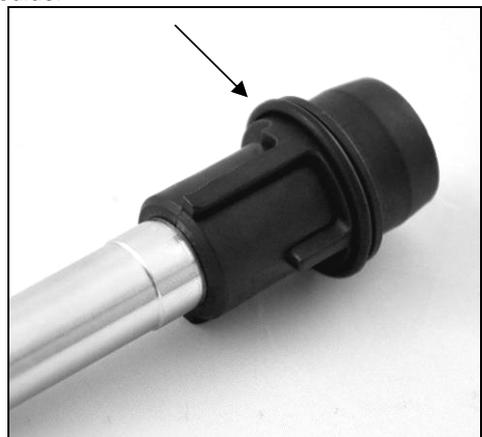
3. Insert the spring into the balancing chamber. Carefully guide the shuttle valve tail into the spring and insert it into the balancing chamber.



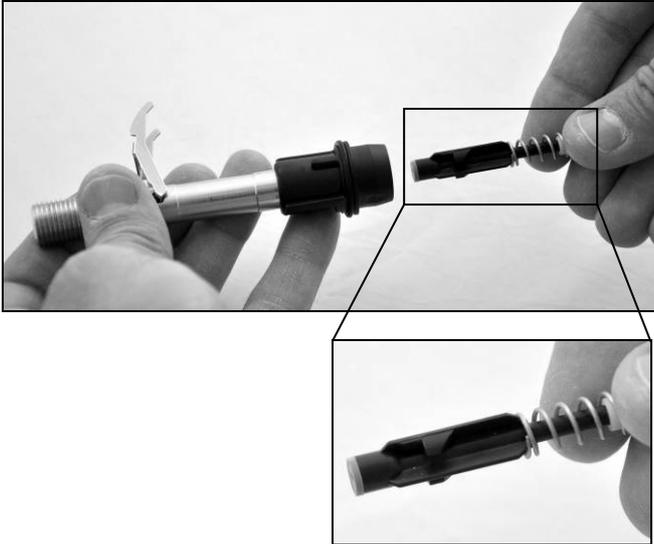
4. If the lever has been disassembled, replace it taking care to put it on the same side as the indent on the insert. The lever must be set like it is shown on the picture.



5. Fit a new lubricated o-ring (AP1438) on the insert (129626), left side (or thread insert side) on the shoulder



6. Into the insert, holding the lever at right angles to the insert. Push the shuttle valve in until it passes the notch. To check that it is correctly fitted, turn the insert over, the shuttle valve should stay inside.



7. Fit a new lubricated o-ring (122135) into the screw (129632).



8. fit a new lubricated o-ring (124702) into the screw groove (129628).



9. Using a 4mm Allen key, fit fully the screw (129632) into the screw (129628)

Adjust as follows:

- a. *Legend LX and Legend LUX:*
Unscrew two and half turns.

- b. *Legend LX Supreme and LUX Supreme:*
Unscrew two turns.



10. Fit the adjusting handwheel (129634) onto the adjusting screw. Use tool (125727) to screw the plug fully home on the adjusting screw.



Attention: Before screwing in the plug, turn it anti-clockwise to first engage the thread. Take care not to damage the plastic threads.



11. Screw fully home the handwheel into the valve spindle. The lever should now be under tension (due to the spring). Fit the key (129637) into its groove.



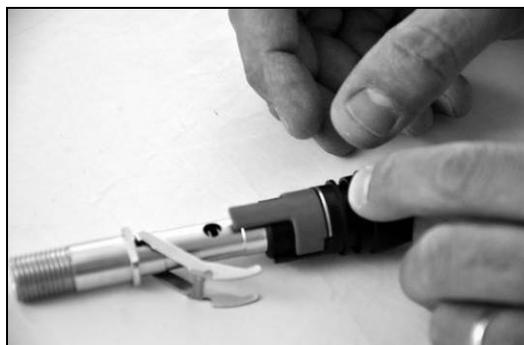
Unscrew fully home the handwheel so that it applies sufficient tension on the key to prevent from falling out. Make sure the key edge does not jut the valve spindle out.



12. fit the Venturi baffle (129644) onto the valve spindle groove.



ATTENTION: the venturi baffle must be set when the handwheel is fully unscrewed



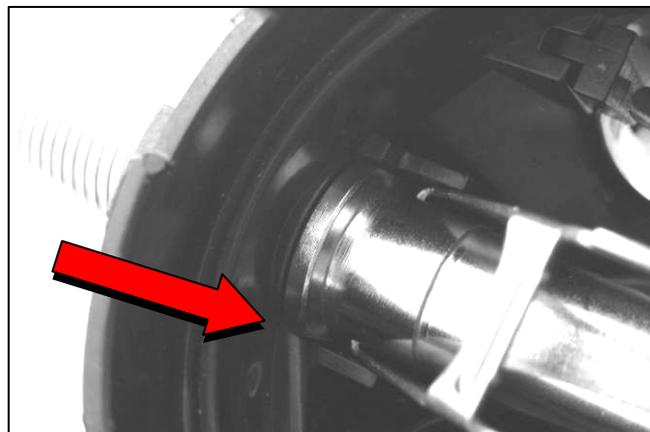
13. While holding the lever down, fit the valve spindle inside the casing. Make sure that the flats on the insert fit into the flats on the casing.



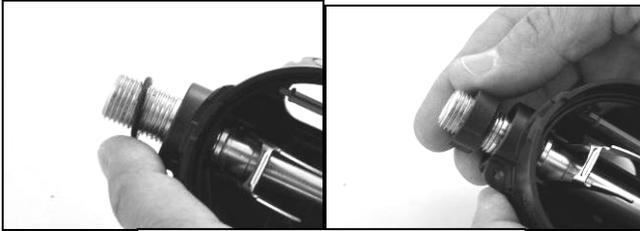
Attention: check the presence of the key (129,637) during the passage through the casing.



If the valve spindle could not go through, make sure the key or the Venturi baffle is correctly set.



14. fit a new lubricated o-ring (124706) onto the valve spindle and against the casing. Slide the spacer (129652), Flat side must be outside the casing. Rotate the spacer so that the spacer matches the casing shape.



15. Screw the heat exchanger nut (129631 / 129748) onto the valve spindle. (biggest wing diameter first). Screw on the nut and tighten it at 0.5 m.kg.



16. Fit a new lubricated O-ring (444243) onto the adjustable seat (AP2033). Fit the seat (threaded part first) into the valve spindle and push it fully home using a screwdriver.



Make sure the MBS mechanism is well fitted:

- Screw fully home the handwheel and the Venturi baffle must slide and be set still it set like picture 1.
- Unscrew fully home the handwheel, Venturi baffle must slide back as shown in picture 2.



Picture 1

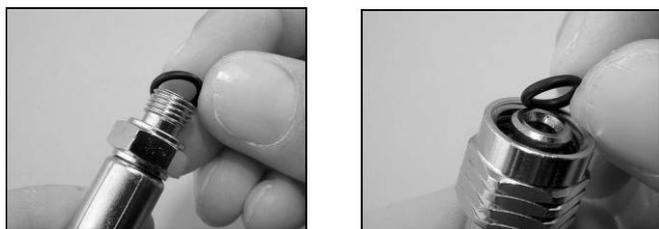


Picture 2

17. With the flat side of the casing at eye level, screw in the adjusting knob until the lever is about 4mm below the level of the casing edge. Now unscrew it until the lever just shows above the edge of the casing.



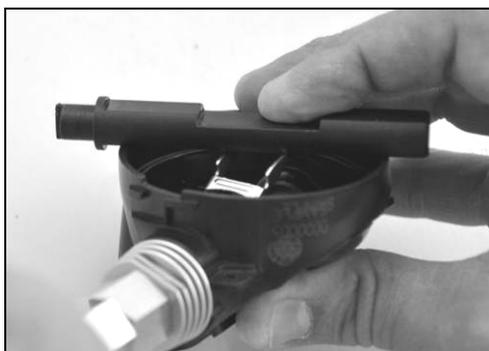
18. Fit a new lubricated O-ring on the threaded end of the hose. Fit a new lubricated O-ring on the hose nipple.



19. *Lever adjustment.* Connect the tool (122046) to the second stage and the MP hose to the tool. Connect this assembly to a Legend first stage adjusted as follows :
 MP = 8.5 bar \pm 0.5 bar (for all models)



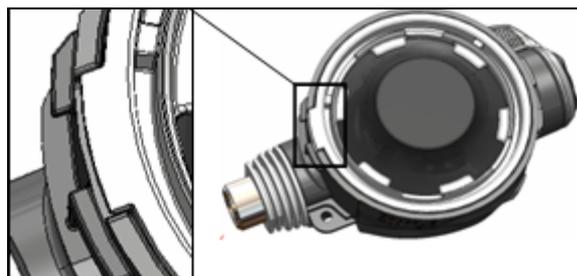
20. Put the regulator under pressure. Slide tool (129727 (flat side)) along the top edge of the casing. The tool must press (or touch) on the lever, **without** causing an airflow.



21. Fit the diaphragm washer (129656) into the diaphragm (129657).



22. Set them into the casing so that the casing slot matches the washer tooth.



Attention: Make sure the washer is flush with the casing edge.
 Make sure that diaphragm is not pinched.



23. Fit the purge cover (129639) into the washer groove: Make sure the marking are not upside down.
24. Make sure that the pin locker still works: push on the pin three times. The pin must move back itself. If it is not the case, the front cover (129676 or 129777) must be changed.



25. Fit the front cover (129676 or 129777) onto the casing :

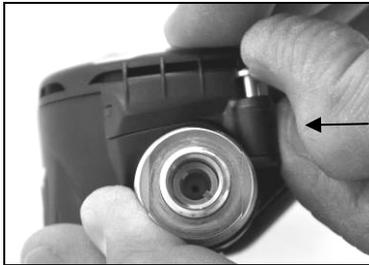
25.1 Set the Front cover.



25.2 Pull up the pin locker.



25.3 Rotate the cover clockwise.



25.4 Release the pin



Check that the pin goes through the casing hole.



Note: If you have a regulator Test Bench, carry out these tests before refitting the mouthpiece. Instructions for the check are given in the paragraph **Final Checks**

28. Turn off the air supply and purge the second stage. Remove the tool 122046+122041. Tighten the hose nut using an 11/16" spanner.

29. Refit the mouthpiece onto the casing. If it is a Comfobite mouthpiece, check that the support section is on top. Fit the mouthpiece strap into its groove. The collar lever should point down on the hose side.



30. Push out the pin locker with the seat extractor tool (P/N 116236) to fit the exhaust baffle (129732).



Attention: Make sure the pin locker is set back into the hole.



31. If the regulator is a Legend LX Supreme, fit the lip shield over the mouthpiece and against the mouthpiece strap.

FINAL CHECKS

1. Put the regulator under pressure with a 200 bar (± 10 bar) supply.



Note: Tests 2 requires the use of a Regulator Test bench.

2. **Opening effort check.** Apply an increasing inhalation flow. When the MP starts to fall, note the effort reading and compare it with the limits shown on **table 5. Checking specifications**. If the opening effort is outside the limits, you can proceed as follow:

Remove the plug (129633 or 129749 or 129723)

Screw $\frac{1}{4}$ turn the adjusting screw if the opening effort is too low.

Unscrew $\frac{1}{4}$ turn the adjusting screw if the opening effort is too high.

Check again the opening effort. If it is outside the limit, readjust again.

You have the option to screw or unscrew the adjusting screw of ± 0.5 turn from its initial position to obtain the required opening effort.

3. **Leak test.** Connect the first stage to a cylinder charged to 200 bar, open the cylinder valve and immerse the set in a fresh water bath for one minute. Check that there are no leaks. If a leak is detected, disassemble the entire 2nd stage; check all sealing surfaces and the correct positioning of all parts.

END OF REASSEMBLY

Table1. Troubleshooting Guide

SYMPTOM	POSSIBLE CAUSE	TREATMENT
Leak or free flow at 2 nd stage	1. MP too high	1. Refer to First stage Troubleshooting Guide
	2. The valve (128638) is worn or damaged	2. Replace the valve seat
	3. The crown (AP2033) is not correctly adjusted	3. Adjust the crown again
	4. the lever (129178) is bent	4. Replace the lever
	5. The sealing face of the crown (AP2033) is damaged	5. Replace the crown
	6. The spring (AP2021) is damaged	6. Replace the spring
Insufficient purge flow or work of breathing too high	1. MP too low	1. Refer to First stage Troubleshooting Guide
	2. The crown (AP2033) is not correctly adjusted, the lever adjustment is too low	2. Readjust the lever and the valve
	3. MP hose obstructed	3. Clean or replace the hose
	4. Le lever (129178) is bent	4. Replace the lever
Water leak	1. Hole in mouthpiece (123697)	1. Replace the mouthpiece
	2. Diaphragm (129150) damaged	6. Replace the diaphragm
	3. Exhalation valve (129642) is damaged	7. Replace the valve
	4. The O-ring (AP1438) is dirty, worn or damaged	4. Changer le joint
	5. The casing is damaged.	5. Check the sealing face of the exhalation valve. Replace the casing
	7. The O-ring (124706) (handwheel side) is damaged.	7. Replace the o-ring
	7. The O-ring (124706) (hose side) is damaged.	7. Replace the o-ring
	8. The spacer i(129652)s damaged	8. Replace the spacer.
	9 The diaphragm is not correctly fitted between the casing and the washer	9. Disassemble the purge button and refit the assembly correctly

Table 2. List of Tools and Service Kits

REF	DESCRIPTION	APPLICATION	US PART NO.
116222	MP pressure gauge complete 0/16B	Checking medium pressure	111610
506001	O-ring extractor tool	Fitting and removing O-rings	N/a
125727	Lever adjustment tool	Lever adjustment	N/a
116236	Seat extractor tool	Seat assembly	109436
111399	Screwdriver 8 x 150mm	crown	N/a
122041	Spacer	Must be fitted on the 122046 tool	N/a
122046	Crown adjustment tool	Crown adjustment	100190
N/C	19mm flat spanner	Heat exchanger nut	N/a
N/C	Torque wrench 0.5 m.kg	Heat exchanger nut	N/a
N/C	Flat screwdriver (8x150mm)	Crown	N/a
N/C	11/16 flat wrench	Flexible nut	N/a
N/C	4mm Allen key	Adjustment	N/a

Ref. 116222 MP pressure gauge complete 0/16B: not shown.

129798	Service kit 2 nd stage Legend /LX	All new Legend	129798
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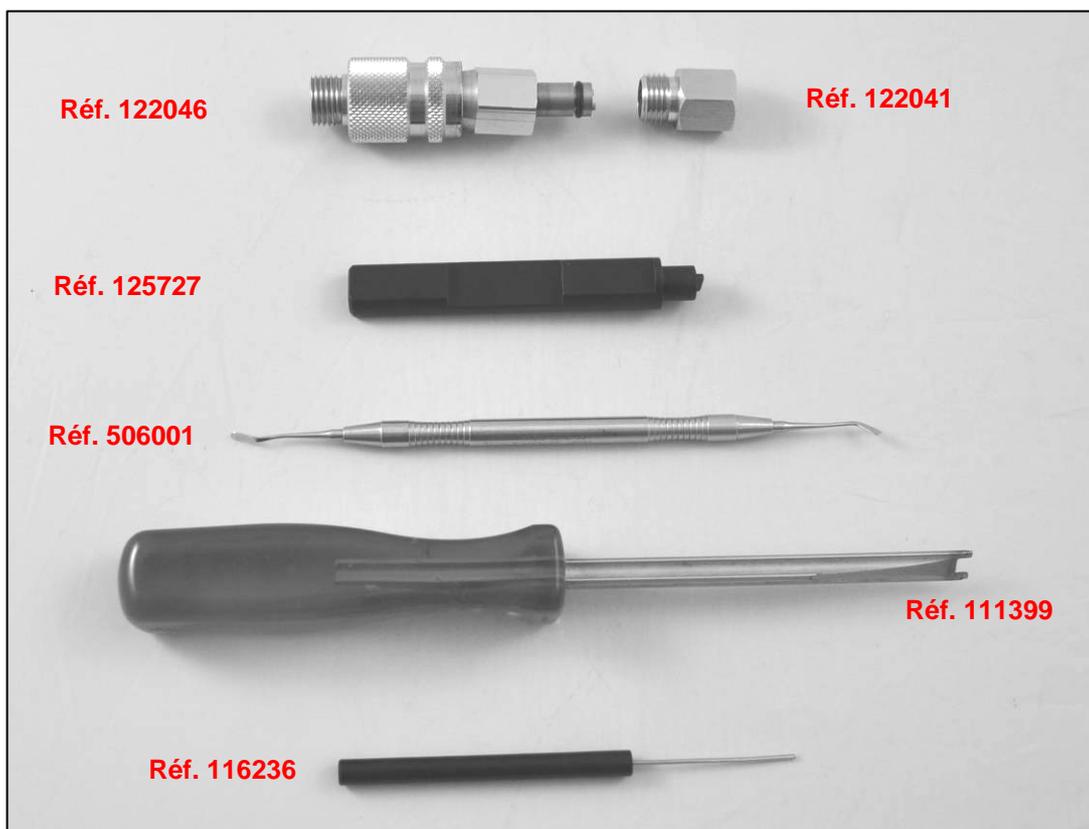


Table 3. Recommended cleaners and lubricants

LUBRICANT / CLEANER	APPLICATION	SOURCE
Christolube MCG 111	All O-rings	Aqualung, ref. 480025
 Attention: Silicone parts do not require lubrication. Do not grease them. Greasing silicone parts can change their molecular construction and cause premature degradation of the material.		
Oakite #31	Acid bath for cleaning brass and stainless steel parts.	Oakite Products, Inc.
NETALU	Acid bath for cleaning brass and stainless steel parts.	Aqualung, ref. 455001
Diluted white vinegar	Acid bath for cleaning brass and stainless steel parts.	Household stores
 Attention: Do not use hydrochloric acid for cleaning parts. Hydrochloric acid, even when well diluted, attacks the coating of metal parts and leaves a corrosive deposit that damages plastic parts and O-rings.		
Washing-up liquid (diluted with hot water)	Degreases brass and stainless steel parts; general cleaning of plastic and rubber parts.	Household stores
Disinfectant STERANIOS 2%	Disinfectant for all plastic and metal parts.	Aqualung ref : 382062

Procedure A

Cleaning and Lubricating (All Aqualung Regulators)

Cleaning brass and stainless steel parts.

1. Pre-clean by soaking in NETALU diluted to 25%.
2. Cleaning in an ultra-sonic bath filled with a mixture of washing-up liquid + hot water. If some resistant deposits remain then fill the ultrasonic bath with white vinegar and repeat. DO NOT put plastic, rubber, silicone or anodised aluminium parts in contact with vinegar.
3. Rinse in demineralised or fresh water to avoid calcium deposits. Soak for 10 minutes. Dry with filtered low pressure air and then check that their condition is now suitable for re-use.

Cleaning plastic, rubber and anodised aluminium parts.

For anodised aluminium parts : soak in a « NETALU diluted to 25% ». Rinse in fresh water and dry with low-pressure filtered air.
For plastic parts. (casings, plugs..) : clean in an ultrasonic bath containing a mixture of washing-up liquid and hot water. Use only a toothbrush with nylon bristles to remove any deposits. Rinse in fresh water and dry with low-pressure filtered air



Attention: Do not place plastic and rubber parts in contact with acid solutions. This could alter their physical properties and cause degradation and premature breakdown.

Disinfecting parts.

For disinfection, leave plastic and metal parts to soak for 20 minutes in a bath of STERANIOS 2% ref. 382062 (ready to use). Rinse the parts thoroughly after soaking. Toxic product, follow the instruction for its use.

Cleaning parts for Nitrox/O2 use.

1. Metal parts : Pre-clean by soaking in NETALU diluted to 25%.
2. Ultrasonic cleaning in Promoclean TP108 diluted at 5% .
3. Rinse in demineralised water. Soak for 10 min.
4. Dry in the open air in a clean and dust-free atmosphere. Place the parts on a white cloth, allow to dry and check after drying that the cloth shows no grease deposits and that the condition of the parts is appropriate for re-use with Nitrox/O2.

Cleaning hoses.

If there is significant corrosion then it is permissible to soak only the ends in an ultrasonic bath, avoiding any possibility of the solution entering the hose. Rinse in fresh water and allow to dry with the connections hanging down. Dry the inside with filtered compressed air before reconnecting the hose to the regulator.

Wiping.

To wipe parts, use a white filter paper, a pure cotton cloth or any other material that **does not produce fluff**.

Inspection.

Visually check under a white light (day light or artificial light).
The parts are completely free of any traces of :

1. organic materials (oil, grease, paint, rust...)
2. cleaning agents
3. dust
4. humidity

Lubrication.

When handling O-rings wear unpowdered latex gloves. It is important not to allow contact between the internal components and the skin or any other source of contamination when the regulator is being prepared for Nitrox use. All seals should be lubricated with Christolube MCG111. Cover the seals with a light film of grease and remove any excess by rolling the seal between finger and thumb. Do not use an excess of grease; this can have the effect of accumulating particles that could damage the O-rings.

Table 4. Torque values

N° REFERENCE	DESCRIPTION	COUPLE
129631	Heat exchanger nut	0.5 m.kg.
129748	Satin Heat exchanger nut	0.5 m.Kg

Table 5. Spécifications de contrôle

TEST	CONSIGNES	SPECIFICATIONS
Leak Test	Immersion in water . MP supply 8.5 bar ±0.5 bar	No bubble
Medium Pressure	160 bar < working pressure < 200 bar	MP = 8.5 bar ± 0.5 bar : All Legend models
Opening effort	160 bar < working pressure < 200 bar	Legend, Legend LX and LUX: between 2.5 mbar and 3.5 mbar Octopus Legend, Legend Supreme, Legend LX Supreme and LUX Supreme: between 3.3 mbar and 4.3 mbar

Legend LX Exploded view

Ce plan est la propriété d'Aqualung. Il ne doit être ni copié ni diffusé sans autorisation écrite d'Aqualung. This drawing is confidential. It shall not be copied or disclosed without the written consent of Aqualung.

Designation	Deuxième étage Legend 2 LX
Description	Legend 2 LX Second Stage
Notice	-----
Date	17/01/2011

No	Réf	Désignation	Qté	Description
1	129672	Bottier BP Legend 2 peint et marqué >10°C	1	Legend 2 painted and marked box bottom (>10°C)
2	129626	Insert Legend surmoulé	1	Comolded Legend Valve spindle
3	129178	Levier legend	1	Legend Lever
4	ap2033	Siège réglable	1	Valve seat
5	129638	Clapet compensé silicone	7	Silicone valve seat
6	AF2036	Porte clapet compensé	1	Shuttle valve
7	129784	Chambre d'équilibrage Legend 2	1	Legend 2 Counter Balance Cylinder
8	AF2041	JT 1.02 x 1.78 EPDM 80ShA	7	O-ring 1.02 x 1.78 EPDM 80ShA
9	AF2021	Ressort BP	1	Valve spring
10	129628	Came Legend 2	1	Adjusting Cam
11	129732	Détecteur Legend 2 peint et marqué CE	1	Legend 2 painted and CE marked exhaust tee
12	124706	JT 1.78 x 14 EPDM 80ShA	7	OR 1.78 x 14 EPDM 80ShA
13	129631	Echangeur thermique	1	Heat exchanger
14	129632	Vis de réglage	1	Adjusting Screw
15	122135	JT 1.78x2.9 EPDM 80ShA	7	OR 1.78x2.9 EPDM 80ShA
16	129633	Bouchon	1	Plug
17	129634	Volant de réglage Legend 2	1	Legend 2 Adjusting Knob
18	129676	Verrou de couvercle Legend 2 assemblé peint	1	Legend 2 painted Assembled Front Cover Locker
19	129617	Sticker Legend encoillé	1	Legend Sticker (with pasting)
20	129642	Soupape d'expiration	1	exhaust valve
21	AF1438	JT 1.78 x 20.35 EPDM 80ShA	7	O-ring 1.78 x 20.35 EPDM 80ShA
22	129637	Clavette	1	Key
23	129644	Volet Venturi	1	Venturi Lever
24	129648	Baffle Legend 2	1	Legend 2 Baffle
25	129657	Membrane BP Legend 2	1	Legend 2 Second stage diaphragm
26	124702	Joint torique 1.78 x 12.42	7	O-ring 1.78 x 12.42
27	129656	Rondelle membrane	1	Diaphragm washer
28	129684	SE capot souple + patch	1	Front Cover + Patch Subassembly
29	129652	Entretien	1	Spacer
30	123697	Embout comfo	1	Comfo mouthpiece
31	444243	JT 1.78x6.07 EPDM 80ShA	7	OR 1.78x6.07 EPDM 80ShA
32	129154	Clip	1	Mouthpiece wrap

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All items in bold italics are to be replaced when servicing.
Kit d'entretien deuxième étage Legend / Legend 2nd Stage service kit : 129798.
Kit d'entretien détendeur Legend / Legend regulator service kit : 129799.

Véloc. TM
 110e Avenue, 14ème étage - BP 116
 13300 MARSEILLE FRANCE
 Tel: (33) 04 92 08 98 98
 Fax: (33) 04 92 08 98 99
AQUA LUNG
 VE 129655 *

Legend LX Supreme exploded view.

No	Réf	Qté	Désignation	Description
1	129678	1	Bouffie BP Legend 2 Supreme peint et marqué	Legend 2 Supreme painted and marked Box Bottom
2	129626	1	Insert Legend surmoulé	Comolded Legend Valve spindle
3	129178	1	Lever Legend	Legend Lever
4	ap2033	1	Siège réglable	Valve seat
5	129638	1	Clapet compensé silicone	Silicone valve seat
6	AP2036	1	Porte clapet compensé	Shuttle valve
7	129784	1	Chambre d'équilibrage Legend 2	Legend 2 Counter Balance Cylinder
8	AP2041	1	JT 1.02 x 1.78 EPDM 80ShA	O-ring 1.02 x 1.78 EPDM 80ShA
9	AP2021	1	Ressort BP	Valve spring
10	129628	1	Came Legend 2	Adjusting Cam
11	129732	1	Défileur Legend 2 peint et marqué CE	Legend 2 painted and CE marked exhaust tee
12	124706	1	JT 1.78 x 14 EPDM 80ShA	OR 1.78 x 14 EPDM 80ShA
13	129748	1	Echangeur BP satin LEGEND 2	LEGEND 2 satin LP exchanger
14	129632	1	Vis de réglage	Adjusting Screw
15	122135	1	JT 1.78x2.9 EPDM 80ShA	OR 1.78x2.9 EPDM 80ShA
16	129749	1	Bouchon satin LEGEND 2	LEGEND 2 satin plug
17	129634	1	Volant de réglage Legend 2	Legend 2 Adjusting Knob
18	129676	1	Verrou de couvercle Legend 2 assemblé peint	Legend 2 painted Assembled Front Cover/Locker
19	129617	1	Slicker Legend encollé	Legend Sticker (with pasting)
20	129174	1	Soupape d'expiration	exhaust valve
21	AP1438	1	JT 1.78 x 20.35 EPDM 80ShA	O-ring 1.78 x 20.35 EPDM 80ShA
22	129637	1	Clavette	Key
23	129644	1	Volet Venturi	Venturi Lever
24	129648	1	Baffle Legend 2	Legend 2 Baffle
25	129657	1	Membrane BP Legend 2	Legend 2 Second stage diaphragm
26	124702	1	Joint torique 1.78 x 12.42	O-ring 1.78 x 12.42
27	129656	1	Rondelle membrane	Diaphragm washer
28	129684	1	SE capot souple + patch	Front Cover + Patch Subassembly
29	129652	1	Entretoise	Spacer
30	123697	1	Embout comfo	Comfo mouthpiece
31	129154	1	Clip	Mouthpiece wrap
32	444243	1	JT 1.78x6.07 EPDM 80ShA	OR 1.78x6.07 EPDM 80ShA
33	125613	1	Couvre lèvres	lip shield

Désignation	Deuxième étage Legend 2 LX Supreme
Description	Legend 2 LX Supreme Second Stage
Notice	-----
Date	17/01/2011

N°	Date Modif	Ind

Tous les composants en italiques / gras sont inclus dans le kit d'entretien.
 All items in bold italics are to be replaced when servicing.
 Kit d'entretien deuxième étage Legend / Legend 2nd Stage service kit : 129798.
 Kit d'entretien détendeur Legend / Legend regulator service kit : 129799.

Legend LUX Exploded view

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180e Avenue, Indre-sur-Loire BP 148
49100 CHARENTAIS LE VIEUX
FRANCE
Tel: (33) 04 92 08 28 88
Fax: (33) 04 92 08 98 99
AQUA LUNG
VE 129705A

No	Réf	Qté	Désignation	Description
1	129672	1	Bouffier BP Legend 2 peint et marqué >10°C	Legend 2 painted and marked box bottom (>10°C)
2	129626	1	Insert Legend surmoulé	Comolded Legend Valve spindle
3	129178	1	Levier legend	Legend Lever
4	ap2033	1	Siège réglable	Valve seat
5	129638	1	Clapet compensé silicone	Silicone valve seat
6	AP2036	1	Porte clapet compensé	Shuttle valve
7	129784	1	Chambre d'équilibrage Legend 2	Legend 2 Counter Balance Cylinder
8	AP2041	1	JT 1.02 x 1.78 EPDM 80ShA	O-ring 1.02 x 1.78 EPDM 80ShA
9	AP2021	1	Ressort BP	Valve spring
10	129628	1	Came Legend 2	Adjusting Cam
11	129732	1	Défecteur Legend 2 peint et marqué CE	Legend 2 painted and CE marked exhaust tee
12	124706	1	JT 1.78 x 14 EPDM 80ShA	OR 1.78 x 14 EPDM 80ShA
13	129726	1	Echangeur thermique PVD	PVD Heat exchanger
14	129632	1	Vis de réglage	Adjusting Screw
15	122135	1	JT 1.78x2.9 EPDM 80ShA	OR 1.78x2.9 EPDM 80ShA
16	129723	1	Bouchon BP PVD	PVD Plug
17	129634	1	Volant de réglage Legend 2	Legend 2 Adjusting Knob
18	129777	1	Verrou de couvercle Legend LUX assemblé	Legend LUX Assembled Front Cover Locker
19	129617	1	Sticker Legend encollé	Legend Sticker (with pasting)
20	129642	1	Soupape d'expiration	exhaust valve
21	AP1438	1	JT 1.78 x 20.35 EPDM 80ShA	O-ring 1.78 x 20.35 EPDM 80ShA
22	129637	1	Clavette	Key
23	129644	1	Volet Venturi	Venturi Lever
24	129648	1	Baffle Legend 2	Legend 2 Baffle
25	129657	1	Membrane BP Legend 2	Legend 2 Second stage diaphragm
26	124702	1	Joint torique 1.78 x 12.42	O-ring 1.78 x 12.42
27	129656	1	Rondelle membrane	Diaphragm washer
28	129684	1	SE capot souple + patch	Front Cover + Patch Subassembly
29	129652	1	Entretoise	Spacer
30	123697	1	Embout conico	Conifo mouthpiece
31	444243	1	JT 1.78x4.07 EPDM 80ShA	OR 1.78x4.07 EPDM 80ShA
32	129154	1	Clip	Mouthpiece wrap

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Kit d'entretien deuxième étage Legend / Legend 2nd Stage service kit : 129798.
Kit d'entretien détendeur Legend / Legend regulator service kit : 129799.

N°	Date Modif	Ind	Désignation
2063	08/12/11	A	Deuxième étage Legend LUX
			Legend LUX Second Stage
			Notice
			Date
			28/06/11

Legend LUX Supreme exploded view

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Visc. TM	Deuxième étage Legend LUX Supreme	VE 129715 *
1000 Avenue de l'Europe - BP 148 06100 LA CROIX-VALENTIN - FRANCE Tél: (33) 04 92 08 28 99 Fax: (33) 04 92 08 28 99	Description Legend LUX Supreme Second Stage	
AQUA LUNG	Notice	
	Date	28/06/11

No	Ref	Qté	Désignation	Description
1	129678	1	Boîtier BP Legend 2 Supreme peint et marqué	Legend 2 Supreme painted and marked box bottom
2	129626	1	Insert Legend surmoulé	Comolded Legend Valve spindle
3	129178	1	Levier Legend	Legend Lever
4	ap2033	1	Siège réglable	Valve seat
5	129638	1	Clapet compensé silicone	Silicone valve seat
6	AP2036	1	Porte clapet compensé	Shuffle valve
7	129784	1	Chambre d'équilibrage Legend 2	Legend 2 Counter Balance Cylinder
8	AP2041	1	JT 1.02 x 1.78 EPDM 80SHA	O-ring 1.02 x 1.78 EPDM 80SHA
9	AP2021	1	Ressort BP	Valve spring
10	129628	1	Came Legend 2	Adjusting Cam
11	129732	1	Deflecteur Legend 2 peint et marqué CE	Legend 2 painted and CE marked exhaust tee
12	124706	1	JT 1.78 x 14 EPDM 80SHA	OR 1.78 x 14 EPDM 80SHA
13	129726	1	Echangeur thermique PVD	PVD Heat exchanger
14	129632	1	Vis de réglage	Adjusting Screw
15	122135	1	JT 1.78x2.9 EPDM 80SHA	OR 1.78x2.9 EPDM 80SHA
16	129723	1	Bouchon BP PVD	PVD Plug
17	129634	1	Volant de réglage Legend 2	Legend 2 Adjusting Knob
18	129777	1	Verrou de couvercle Legend LUX assemble	Legend LUX Assembled Front Cover Locker
19	129617	1	Sticker Legend encollé	Legend Sticker (with pasting)
20	129174	1	Soupape d'expiration	exhaust valve
21	AP1438	1	JT 1.78 x 20.35 EPDM 80SHA	O-ring 1.78 x 20.35 EPDM 80SHA
22	129637	1	Clavette	Key
23	129644	1	Volet Venturi	Venturi Lever
24	129648	1	Baffle Legend 2	Legend 2 Baffle
25	129657	1	Membrane BP Legend 2	Legend 2 Second stage diaphragm
26	124702	1	Joint torique 1.78 x 12.42	O-ring 1.78 x 12.42
27	129656	1	Rondelle membrane	Diaphragm washer
28	129484	1	SE capot souple + patch	Front Cover + Patch Subassembly
29	129652	1	Entretoise	Spacer
30	123697	1	Embout comto	Comto mouthpiece
31	129154	1	Clip	Mouthpiece wrap
32	125613	1	Couvre lèvres	Lip shield
33	444243	1	JT 1.78x6.07 EPDM 80SHA	OR 1.78x6.07 EPDM 80SHA

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All items in bold italics are to be replaced when servicing.
Kit d'entretien deuxième étage Legend / Legend 2nd Stage service kit : 129798.
Kit d'entretien détenteur Legend / Legend regulator service kit : 129799.



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