



Product Service Manual

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Dive Rite Regulator Service Manual



Warning

- *This manual is only to be used as a guide for trained Regulator technician. Possession of this guide does not qualify any individual in the service of Dive Rite Breathing Systems. Only qualified Dive Rite Dealers can Service Dive Rite Products. Improper servicing can lead to serious injury or death.*

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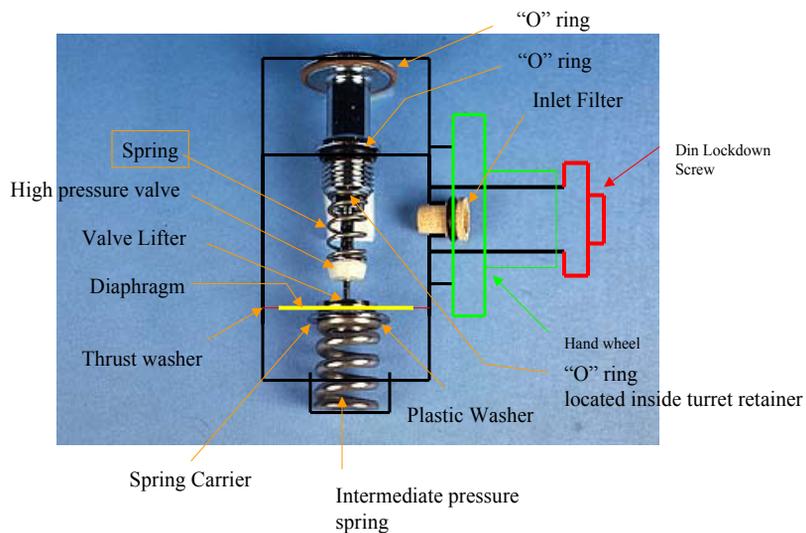
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Diagrams
RG1205 First stage
RG1210 Adjustable Second Stage
RG1215 Alternate/Octo
RG2010 Adjustable Balanced Second Stage

First Stage Disassembly

- Remove All low-pressure hoses
- Remove high-pressure hoses and remaining port plugs
- Note location of plugs and hoses



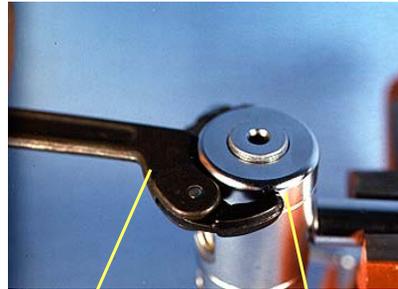
- 1) Screw port tool into high-pressure port. Take care not to damage threads.
- 2) Place port tool with first stage attached into vise with the intermediate pressure spring on the upright position.



- 3) Using a 6mm Hex wrench loosen the adjustment screw enough to lessen the spring tension



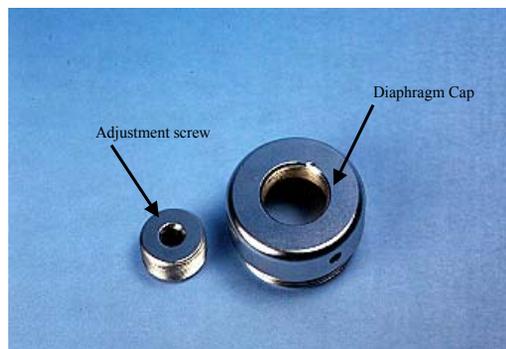
- 4) Place the Spanner wrench into the holes of the Diaphragm cap
- 5) Loosen the cap by applying a firm steady pressure on the housing
- Caution: Rapid jerking can cause the spanner wrench to slip and damage the cap



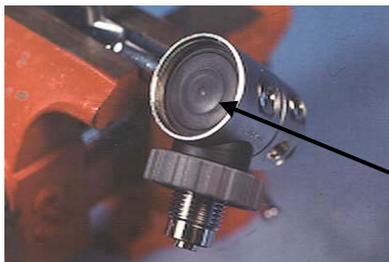
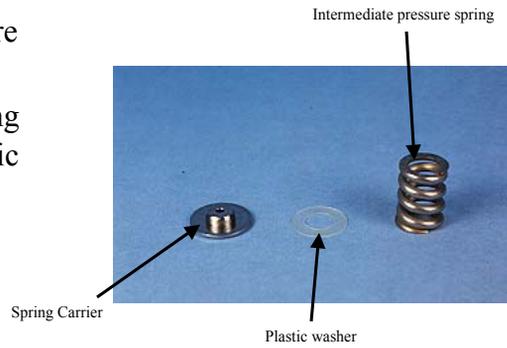
Spanner wrench

Diaphragm cap

- 6) Unscrew the Diaphragm cap and remove the Adjustment screw from the housing



- 7) Remove the intermediate pressure spring
- 8) Remove the spring carrier and the plastic washer



Diaphragm

9) Remove the Diaphragm

- 10) Carefully remove the Valve Lifter
- 11) Inspect Parts for excessive wear

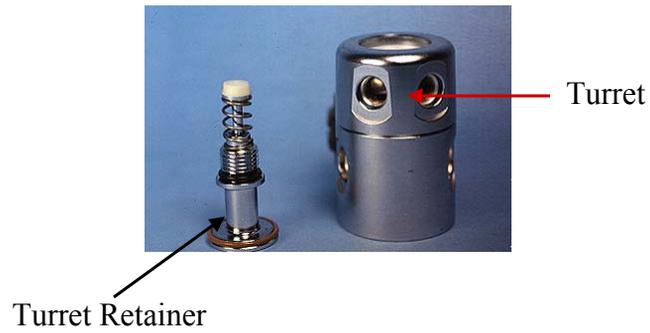


Valve Lifter

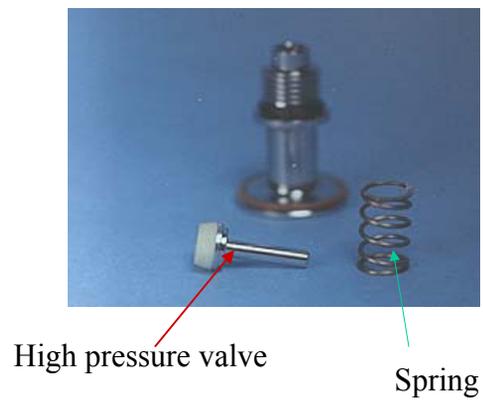
- 12) Remove the regulator from the vise and invert it so the 6mm hex opening is facing up



13) Insert a 6mm Hex wrench and remove the Turret retainer



14) Remove the high pressure valve and spring



- 15) Using a pic remove the 3 “O” rings located in the module
- Note: Be careful not to scratch the sealing surfaces on the module



16) Remove the Thrust washer from the top of the Turret





17) Remove the Turret and corresponding large “o” ring

- 18) Using a Pic remove the exterior “o” ring from the Din Lockdown screw. (If the yoke adapter is attached unscrew the yoke. This “o” ring is located in the track surrounding the High Pressure Inlet





19) Insert a 6mm wrench into the Tank Inlet
Loosen and remove the Din Lockdown Screw

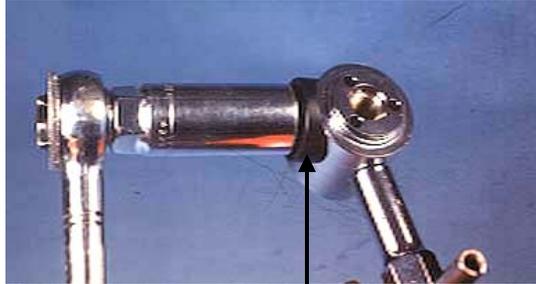


20) Remove the "o" ring from the Din Lockdown
screw

21) Remove the Hand Wheel



22) Using a 19mm Socket wrench loosen and remove the Din Connector and Saddle



Saddle

23) Remove the “o” ring located on the Din connector





- 24) Carefully remove the cone shaped filter and “o” ring from the interior of the Din Connector
- Change all the “o” rings on the port plugs and all hoses

This completes disassembly of
the Dive Rite RG1200 First Stage

A) All the old parts that are to be replaced as designated by the new rebuild kit and should be packaged

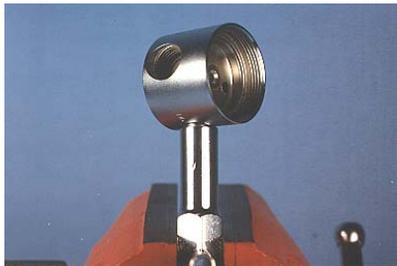
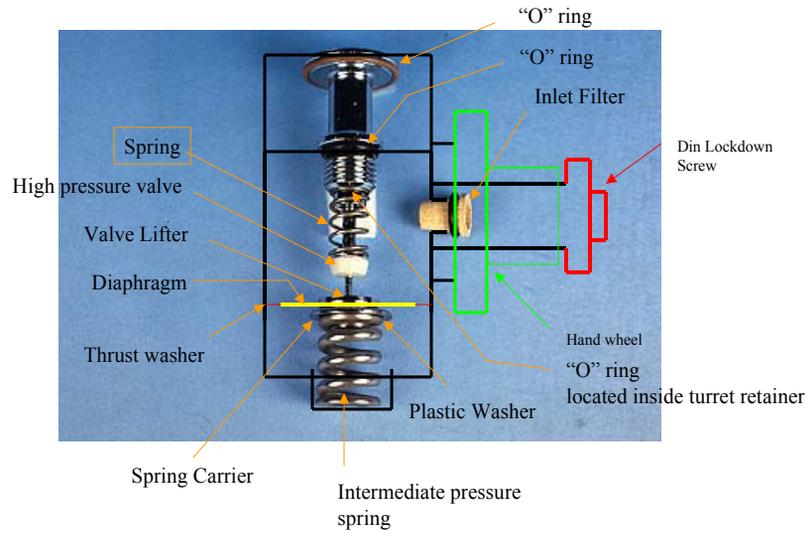
B) The remaining parts should be cleaned in a solution designated for Nitrox cleaning

C) The following lubricants should be used in the reassembling of the First Stage. Christo-Lube, Krytox or any one of a number of products available for this purpose that are Nitrox compatible

RG1261 First Stage service kit

- RG1230 Diaphragm
- RG1231 “O” ring
- RG1232 “O” ring
- RG1233 “O” ring
- RG1234 H.P. Seat
- RG1235 “O” ring
- RG1236 “O” ring
- RG1237 Thrust washer
- RG1238 “O” ring
- RG1239 “O” ring
- RG1240 Inlet filter
- RG1241 “O” ring
- RG1242 “O” ring
- RG1243 “O” ring

Assembling the RG1200 first stage

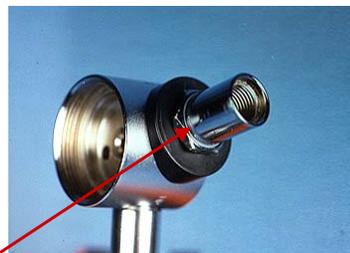


- 1) Screw the port tool into the High Pressure port
- 2) Place the tool in a vise with the Turret side facing up



3) After lubricating, place “O” ring into the bottom of the Din connector

4) Place the saddle over the Din connector (Be careful to place the curved side against the first stage block

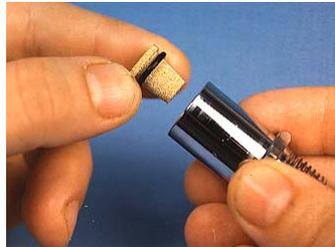


5) Screw the Din connector into the first stage housing and tighten with a 19mm Socket wrench



Apply One (1) drop of Locktite to the threads before screwing DIN connector into Housing

- 6) Install backing “O” ring onto the Inlet filter (No lubrication needed)
- 7) Place the Inlet filter into the Din Connector (point down)



- 8) Place the Din hand wheel over the Din connector (the threads face away from the first stage block)



9) Lubricate and install “O” ring on the top of the din wheel lockdown screw
lubricate and install “O” ring on the bottom of the din wheel lockdown screw

10) Install the Din wheel lockdown screw into the Din connector and
tighten with a 6mm hex wrench



11) Turn the First stage so the Turret side is up



12) Lubricate and install “O” ring on the first stage housing for the turret

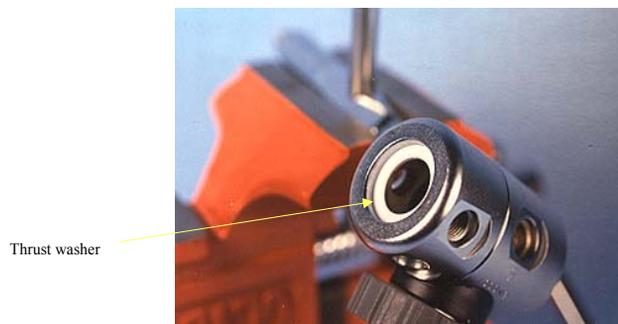
13) Install the Turret on the first stage



“O” ring #



14) Place the Thrust washer on the top of the Turret



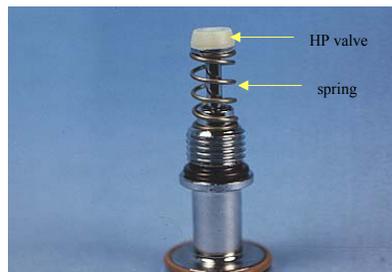
Thrust washer

Preparing the Turret retainer/ HP module for installation



- 15) Lubricate and install “O” ring inside the top of the Turret Retainer
- 16) Lubricate and install “O” ring on the turret retainer on the surface just below the threads
- 17) Lubricate and install “O” ring on the base of the Turret retainer

- 18) Place the spring on the top of the Turret retainer
- 19) Install the new HP valve. Allow the stem to pass through the center of the spring and through “O” ring

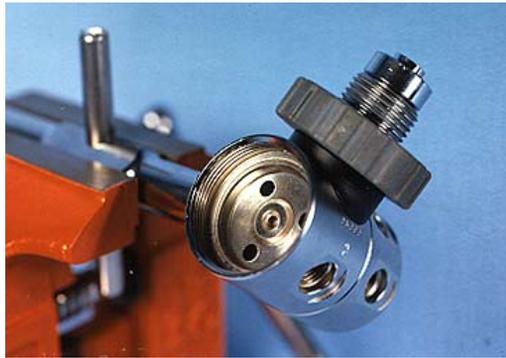


20) Install the completed Turret Retainer into the first stage by passing it through the turret



21) Tighten with a 6mm hex wrench (Be careful not to crimp "O" ring)





22) Turn the first stage over so the balance chamber is facing up

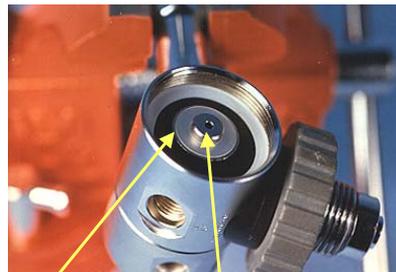
23) Install the valve lifter into the first stage block, press on the Valve lifter to verify contact and spring resistance with the HP valve



24) Install the Diaphragm (Make certain that the diaphragm is seated below the threads and is in contact with the seating surface



- 25) Place the Spring carrier on top of the diaphragm center
- 26) Place the plastic washer on the spring carrier



Plastic washer

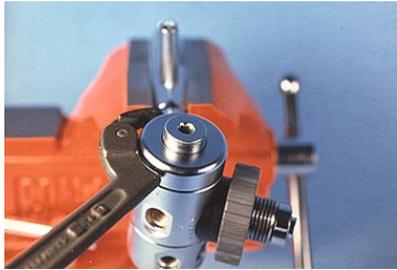
Spring carrier

27) Install the Adjusting screw (two turns) into the Diaphragm cap



28) Place the Intermediate pressure spring onto the spring carrier

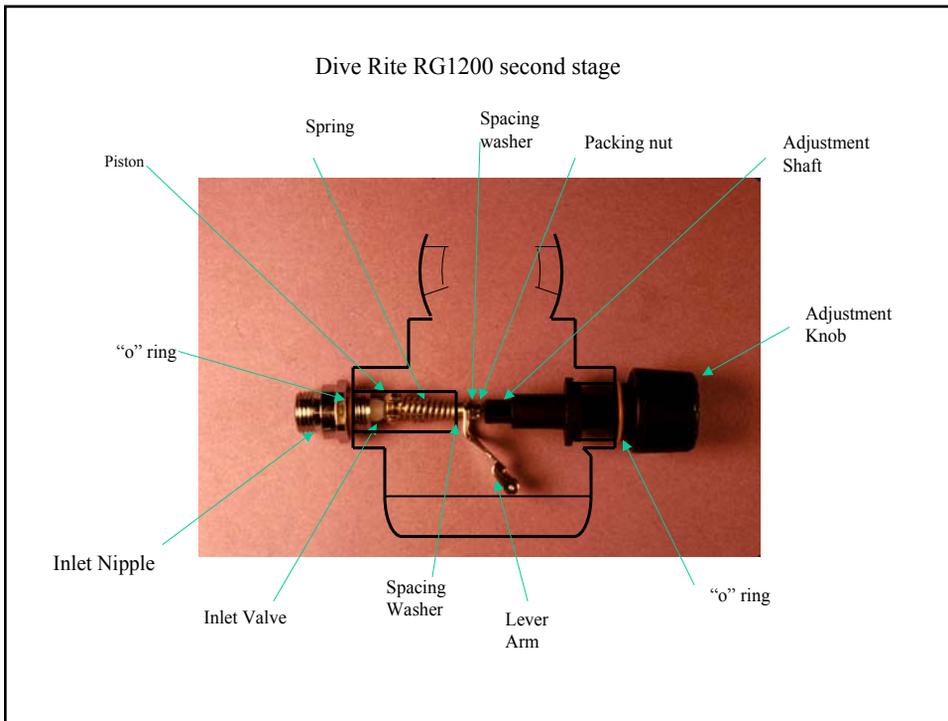




- 29) Place the diaphragm cap over the spring and screw the cap down completely
- 30) Tighten the diaphragm cap firmly using the spanner wrench with steady even pressure

Assembly of the RG1205 first stage is now complete

Disassembly of the RG1210 Second Stage



1) Remove the LP hose from the second stage using a 3/4 and 1/16 wrenches



2) Remove the two "O" rings from the LP hose





3) Using a 3/4 inch wrench loosen and the remove the Inlet Nipple



Retainer
ring

Diaphragm

Front Cover

- 4) Unscrew the front cover (No tools required)
- 5) Remove the retainer ring
- 6) Remove the diaphragm



**Current Models of the RG1200 no longer utilize Retainer ring
a 1218 Second stage cover and 1219 Metal Retaining ring replaces
the older models**

7) Set the Adjustment Knob to its' easiest setting (counter
clock-wise)



8) Remove the decal from the adjustment knob



- 9) Using a flat tipped screwdriver remove the screw from the adjustment knob
- 10) Remove the adjustment knob by pulling gently



11) using a 3/4 inch wrench remove the Packing nut





- 12) Remove the adjustment shaft that went through the packing nut
- 13) Remove the “O” ring from the shaft



14) Unscrew the interior adjustment screw with needle nose pliers and remove the entire assembly



Clean and lubricate all the interior parts to the adjustment assembly

15) Insert the ERASER side of a #2 pencil against the LP piston (This will cause the piston to move into the housing. The lever arm will lower, continue to press firmly until the lever arm can be removed)



16) Remove the Lever Arm



17) Remove the adjustment housing, remove the “O” ring from the housing

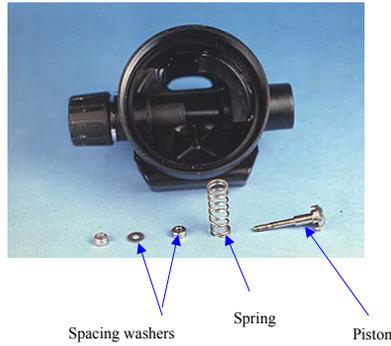


Remove this “O” ring

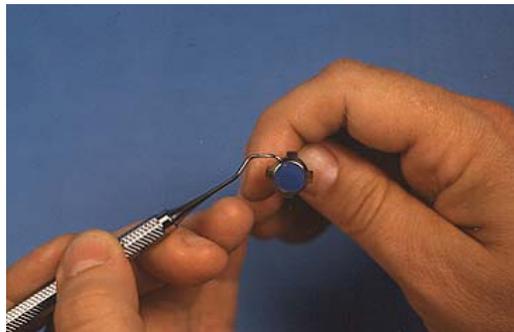
- 18) Using a 1/4 inch open end wrench loosen and remove the Stainless locking nut. It will be necessary to hold the piston with the tip of your index finger to keep it from rotating. (Note: count the threads exposed before removing the nut)



- 19) Remove the two spacing washers
- 20) Remove the piston and spring



- 21) Remove the seating surface from the piston using a pic





22) Cut the tie wrap that surrounds the mouthpiece

23) Remove the mouthpiece (the exhaust tee can now be removed

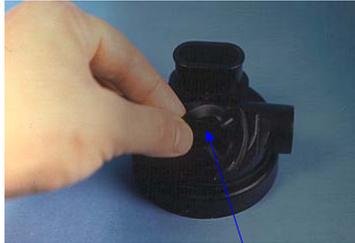


24) Use a small flat tipped screwdriver CAREFULLY pry the exhaust tee loose by using the small spaces provided under the Inlet and Adjustment tube ports



25) Remove the exhaust tee

26) Remove the Exhaust valve by pulling gently



Exhaust valve

The Dive Rite RG 1210 second stage has now been completely disassembled

A) All the old parts that are to be replaced as designated by the new rebuild kit and should be packaged

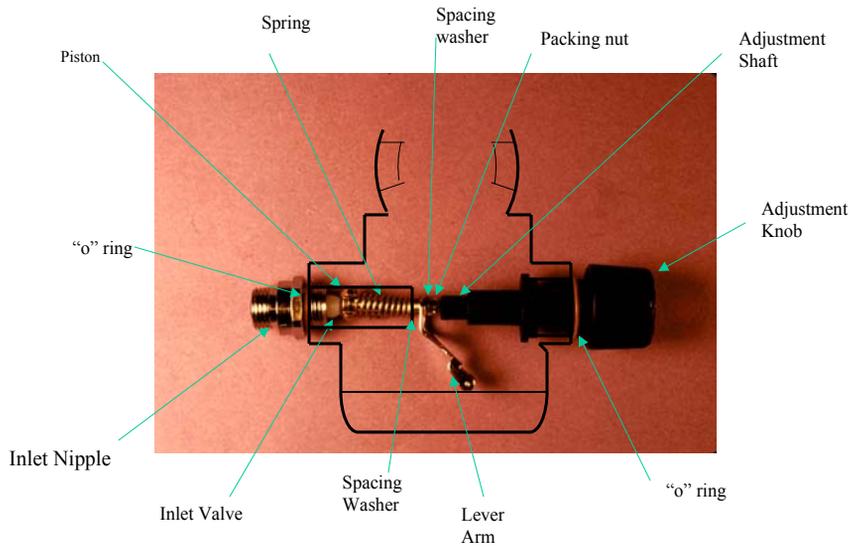
B) The remaining parts should be cleaned in a solution designated for Nitrox cleaning

C) The following lubricants should be used in the reassembling of the First Stage. Christo-Lube, Krytox or any one of a number of products available for this purpose that are Nitrox compatible

Service Kit RG1262 for the RG1210 adjustable second stage

- RG1264 Low pressure seat
- RG1255 "O" ring
- RG1263 SS orifice
- RG1266 Nylon Insert Nut
- RG1257 "O" ring
- RG1258 "O" ring
- RG1267 Decal

Assembling the Dive Rite RG1210 second stage



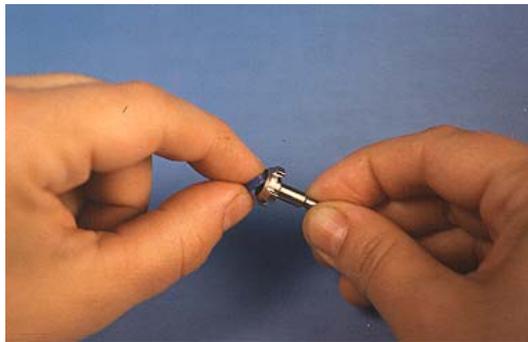
1) Install the Exhaust valve RG1251



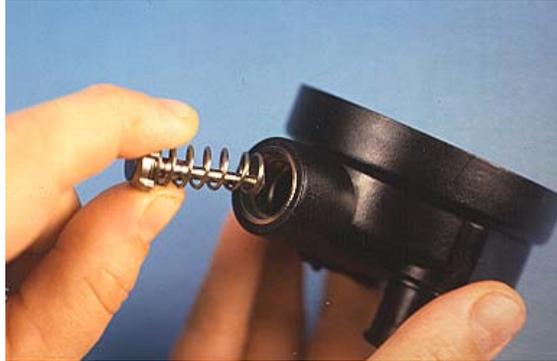


- 2) Lubricate and install “O” ring
- RG1257 onto the adjustment tube
- 3) Reinstall the Adjustment tube into the second stage (remember to align the collar properly)

4) Install the valve seat into the Piston



- 5) Place the spring over the piston
- 6) Install this assembly into the Inlet nipple opening

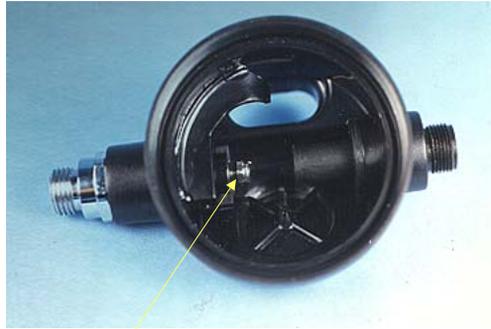


- 7) Temporarily install the Inlet Nipple (this will hold the piston in place and make the following step easier)



- 8) Place the thin washer followed by Spacing washer

9) Install the Stainless nylon insert nut onto the piston finger tight



Stainless nylon insert nut

10) Remove the inlet nipple
11) using the 1/4 wrench tighten the Stainless nylon insert nut
(tighten the nut the same # of threads that it was previously installed with re: step18 in disassembly)



- 12) Install the pushrod, spring and backing pad into the adjustment tube housing
- 13) Screw the interior adjustment shaft into the Adjustment tube housing



Step #12

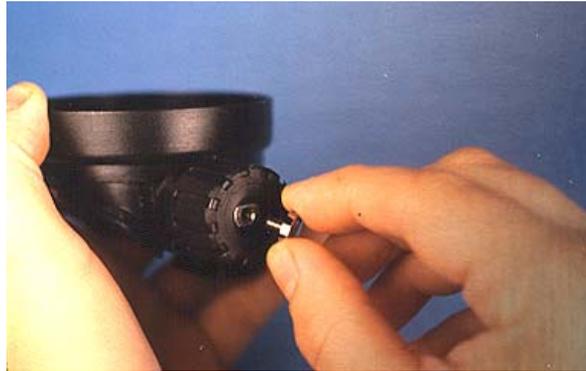


Step# 13

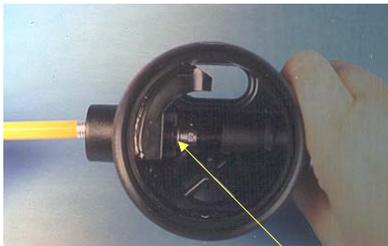


- 14) Install the "O" ring on the Adjustment shaft, then install shaft into housing
- 15) Install the packing nut and tighten with a 3/4 inch wrench

17) Install the lockdown the lockdown screw and tighten with a flathead screwdriver



18) Using the eraser of a #2 pencil compress the piston to the point where the washers are exposed.



19) Install the lever arm between the two washers



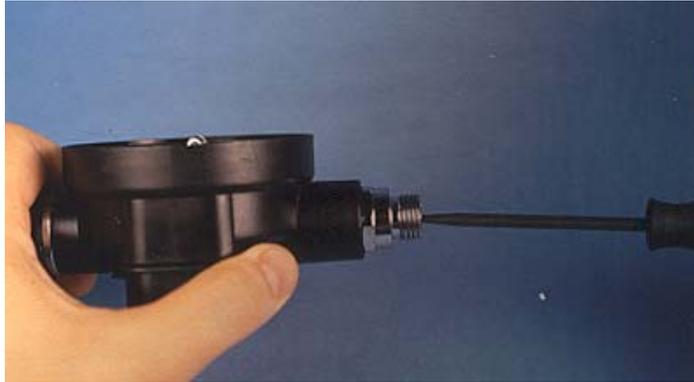


- 20) Lubricate and install “O” ring onto the Inlet nipple. Install a new Inlet Valve
- 21) Install the Inlet Nipple into the second stage housing

22) Tighten with a 3/4 wrench



23) Using a flat head screw driver tighten the Inlet valve until the Lever Arm is just slightly above the second stage body threads



- 24) Install the Diaphragm
- 25) Place the retainer ring over the diaphragm
- 26) Install the second stage cover

27) Install the exhaust tee (Be certain the locking clips engage on both sides of the housing



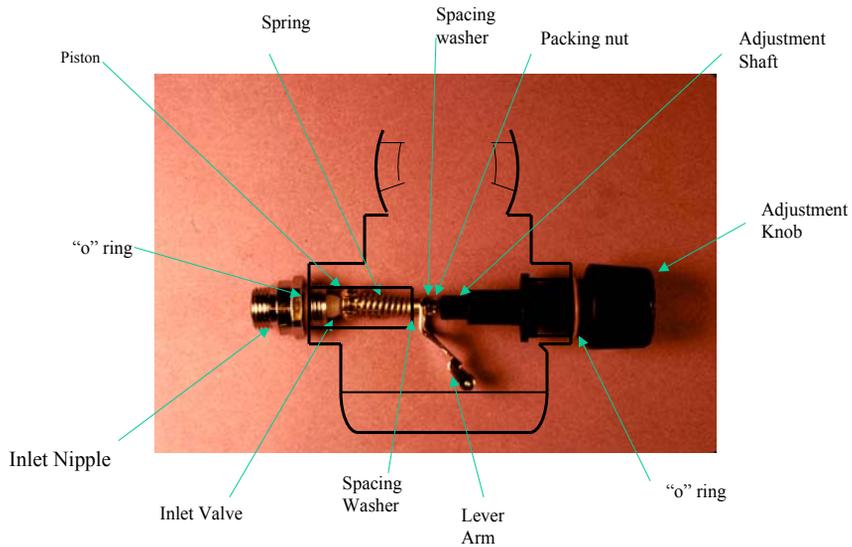
28) Install the mouthpiece and secure with a tie wrap





29) Lubricate and install “O” rings and on the low pressure hose. Install the hose into a LOW pressure port on the RG1200 First stage

Dive Rite RG1210 second stage

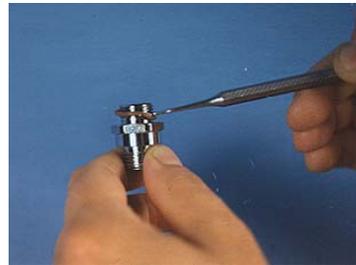


Disassembling the RG1215 octopus

- 1) Remove the Low Pressure hose from the first stage using a 9/16 inch wrench
- 2) Remove the Low Pressure hose from the second stage using a 3/4 and 11/16 inch wrenches



3) Remove the two “O” rings from the LP hose



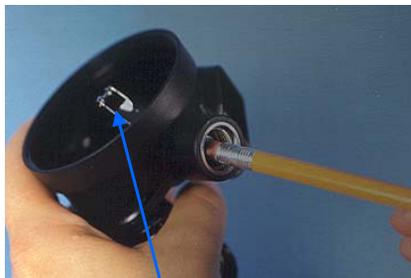
4) Using a 3/4 inch wrench remove the Inlet Nipple
remove the “O” ring from the Inlet Nipple

5) Unscrew the front cover (no tools required)

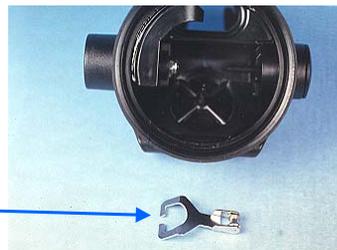


6) Remove the retainer ring and diaphragm

7) Insert the eraser side of a #2 pencil against the LP Piston
{ This will Cause the Piston to move into the housing. The
Lever Arm will lower, continue to press firmly until the Lever
Arm can be removed)



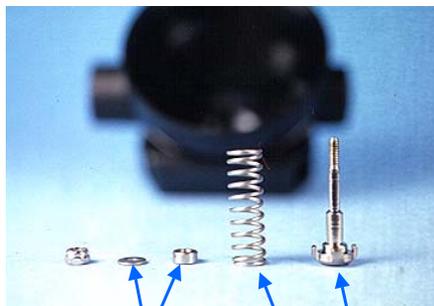
8) Remove the Lever Arm



9) Using a 1/4 inch wrench loosen and remove the stainless/nylon nut, it will be necessary to hold the piston with the tip of your index finger to keep it from rotating NOTE: count the # of threads exposed before removing the nut



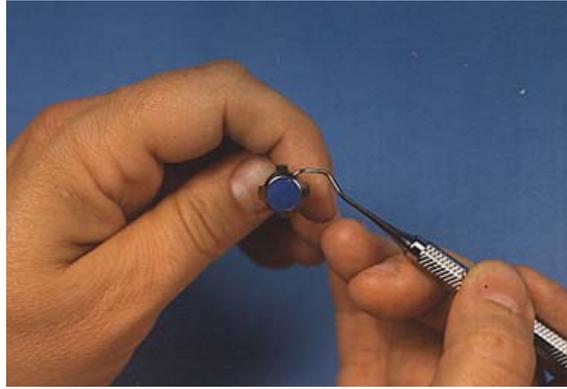
10) Remove the two spacing washers
11) Remove the piston and the spring



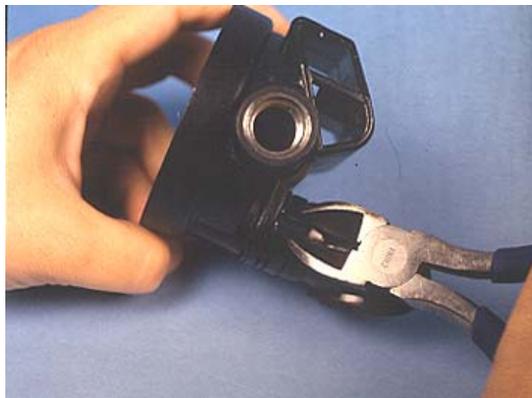
Spacing washers

Spring and Piston

12) Remove the seating surface using a Pic



13) Cut the tie wrap that surrounds the mouthpiece and remove the mouthpiece



- The exhaust tee can now be removed
- 14) Use a small flat tipped screw driver and Carefully pry the exhaust tee loose by using the spaces provided



15) Remove the Exhaust tee by pulling gently



The RG1215 octopus has now been completely disassembled

A) All the old parts that are to be replaced as designated by the new rebuild kit and should be packaged

B) The remaining parts should be cleaned in a solution designated for Nitrox cleaning

C) The following lubricants should be used in the reassembling of the First Stage. Christo-Lube, Krytox or any one of a number of products available for this purpose that are Nitrox compatible

RG1268 Octopus service kit

- 1) RG1264 Low Pressure Seat
- 1) RG1266 Nylon insert nut
- 1) RG1255 "O" ring
- 1) RG1260 "O" ring
- 1) RG1263 SSOrifice

Assembling the RG1215 Octopus

1) Install the Exhaust Valve



2) Install the Valve seat into the piston



3) Place the spring over the piston

4) Install this assembly into the Inlet Nipple opening



5) Temporarily install the Inlet Nipple
This will make the next step easier

6) Place the thin spacing washer on the piston first followed by the wide spacing washer

7) Install the stainless nylon nut finger tight



Thin spacing washer
Wide spacing washer
Stainless nylon nut

- 8) remove the Inlet Nipple
- 9) Using the 1/4 inch wrench tighten the stainless nylon nut (tighten the nylon nut the same # of threads it was previously installed)



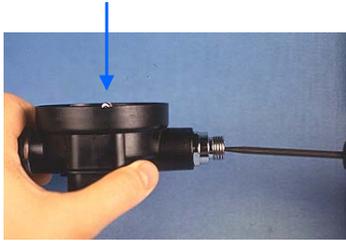
- 10) Using a # 2 pencil compress the the piston to the point that the spacing washers are exposed



Install lever arm

- 11) Install the lever arm between the two spacing washers

12) Tighten with a 1/4 inch wrench



13) Using a flat head screwdriver turn the inlet valve until the lever arm is just slightly above the second stage cover threads

- 14) Lubricate and install "O" ring onto the Inlet Nipple
15) Install the Inlet Nipple with Inlet valve # 1263 and "O" ring



Inlet valve

16) Tighten with a 3/4 inch wrench

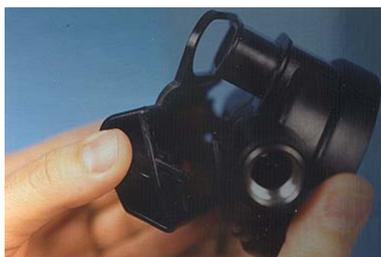


17) Install the Diaphragm

18) Place the Retainer Ring on top of the Diaphragm



19) Install the second stage cover
hand tight



20) Install the Exhaust Tee

21) Install the mouthpiece and
secure with a tie wrap



22) Lubricate and install two “O”rings on the Low pressure hose.



This completes assembly of the RG 1200 octopus

Tuning and adjusting the Dive Rite RG1200 Regulator

- 1) Install Peter built second stage adjusting tool between the second stage and the Low pressure hose. **WARNING:** Be sure the LP hose is in the **LOW PRESSURE PORT**
- 2) Close all other open ports with the appropriate plugs



- 3) Connect to a high pressure (3000 psi) source
- 4) Open the supply pressure slowly



5) Adjust the intermediate pressure by moving the adjusting screw to increase or decrease tension on the Intermediate pressure spring. (After each adjustment purge the regulator)



6) The Intermediate pressure is to adjusted to 140 psi +/- 5psi at high pressure



7) Reduce the supply pressure to 300-500 psi

8) Intermediate pressure should remain within 1-2 psi of high pressure check

9) Reset supply pressure to 3000 psi the intermediate pressure should return to the original setting

Note: it may be necessary to purge the regulator several times to allow the HP seat to “break in” and hold pressure

Tuning the RG 1200 second stage

- 1) Turn the Adjustment knob counterclockwise until it stops (this will set the second stage for the least resistance)
- 2) Using the Second stage adjusting tool set the resistance to .6-.8 inches of water
- 3) Purge the regulator and observe the intermediate pressure. A drop of 2-8 psi is considered acceptable



Note: By setting the Adjustment Knob to the easiest setting the diver can increase breathing resistance to his/her preference. The regulator should NOT be set to FREEFLOW

Troubleshooting

- | • PROBLEM | • CAUSE/REMEDY |
|------------|------------------------------------|
| • Freeflow | • Check Intermediate pressure |
| | • Adjust Inlet Valve |
| | • Replace second stage piston seat |
| | • check HP seat clean/replace |

Intermediate pressure creeps	Hp Seat N/G, clean seat inside first stage block
Hard Inhalation	Check lever height Check adjustment knob Check “cracking” setting Intermediate pressure to low
Regulator freeflows when adjustment knob set at least resistance	Retune regulator
Second Stage leaks water	Exhaust diaphragm n/g Tighten second stage cover Mouthpiece defective

Low airflow	Cone shaped filter clogged/replace Intermediate pressure set to low
Regulator purges low volume	Inlet valve set to low Lever height to low

RG2010 Balanced Second Stage Service Manual



Warning

- *This manual is only to be used as a guide for trained Regulator technician. Possession of this guide does not qualify any individual in the service of Dive Rite Breathing Systems. Only qualified Dive Rite Dealers can Service Dive Rite Products. Improper servicing can lead to serious injury or death.*

Remove Low pressure hose
using a 11/16 wrench



a second wrench may be
necessary to hold second
stage stationary



Remove the two “O” rings from the LP hose





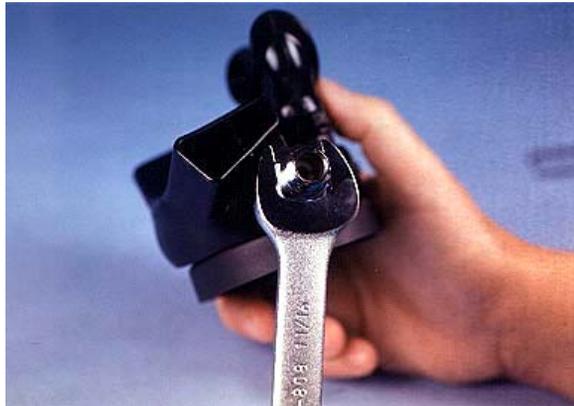
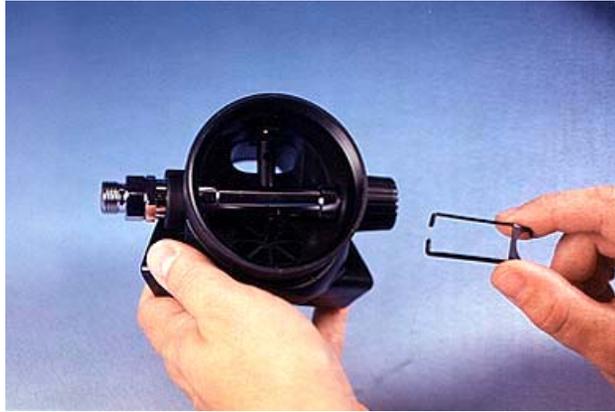
Unscrew Aluminum Ring Part # 1219



Remove Front Cover Part RG1218

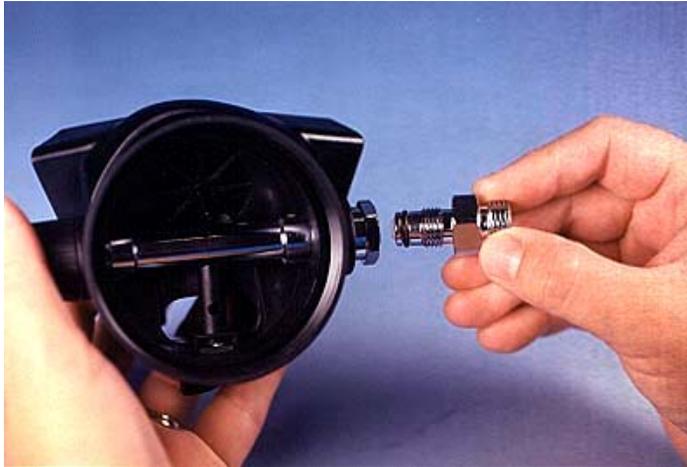
Remove Diaphragm Part RG1252

**Carefully remove the Lever Arm RG1402 by pulling the arm away from the Adjust tube RG1405 and lifting
note: no tools are needed**

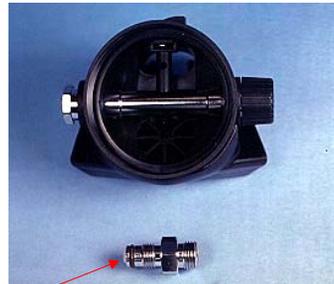


Loosen the Inlet screw RG1410 utilizing a 11/16 wrench

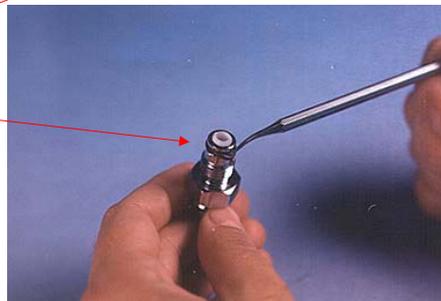
Remove Inlet Screw RG 1410

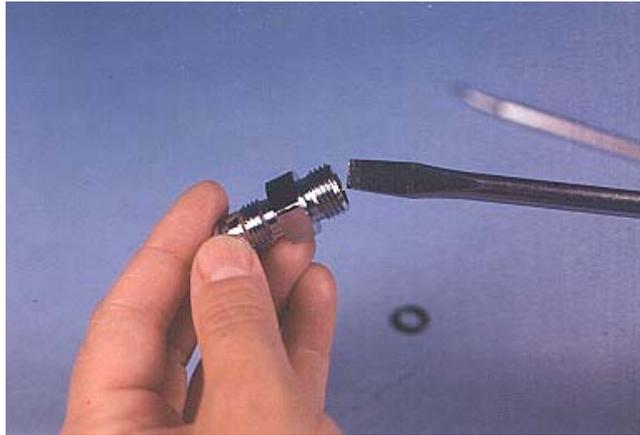


Using a pick remove
"o" ring RG1409
*be careful not to scratch
surface*



RG1409





A Flat tipped screw driver will be needed to loosen the orifice RG 1412



**After loosening the orifice completely use a 6mm Allen key to push the orifice
The Orifice will be returned to Dive Rite
The rebuild kit is supplied with a new Orifice**



Remove the Inlet Tube RG1407 and the Spring RG1403

LP seat not to be removed or reused.



The Inlet Tube RG1407 is to be replaced in its entirety. The LP Seat RG1408 is installed permanently in the replacement. RG1406 "O" rings are also included.



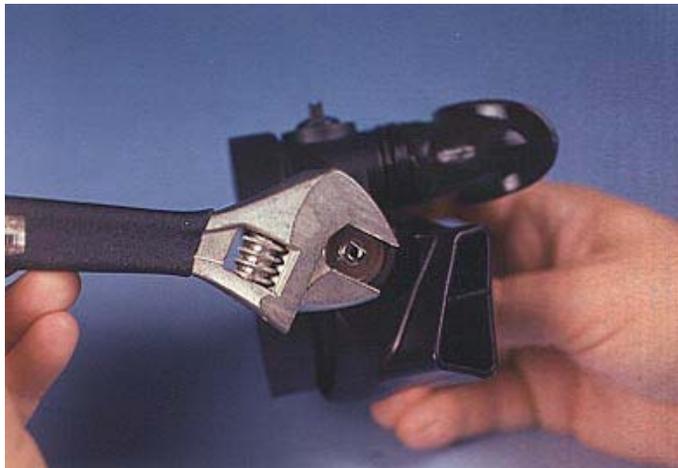
Remove Decal RG1420



**Using a Flat tipped Screwdriver loosen and remove
Knob Screw RG1419**



Remove the Adjustment Knob RG1418



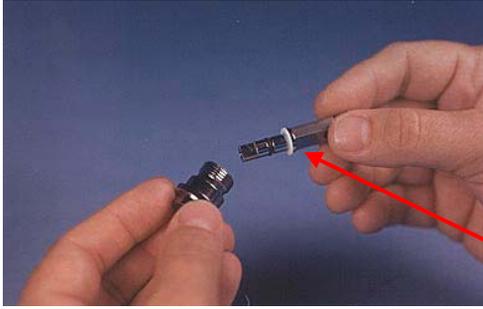
Loosen the Adjustment knob tube cap with a flat jawed adjustable wrench



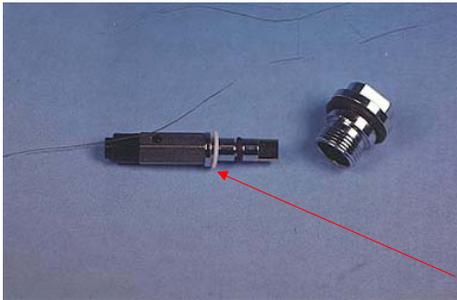
Remove the entire Adjustment Assembly



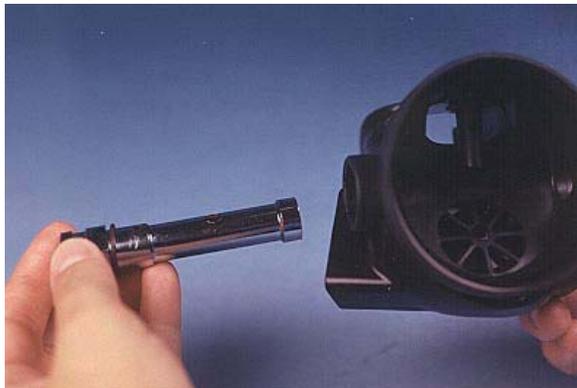
**Remove the “o” ring RG1404 from
the Adjustment tube assembly**



**The Adjustment screw
RG1414 can now be removed**



Remove “o” ring RG 1416
Remove Plastic Washer RG1415



The Adjustment tube housing can now be removed
Remove “o” ring RG1404



The Deflect tube RG1422 can now be removed take note of the orientation before removal. Small opening faces the Diaphragm

Using needle nose pliers remove the Clip RG1422



**Remove Deflector
Assembly RG1424**



Remove "o" ring RG1423



Remove Exhaust tee RG1401 by gently pulling from the bottom

Remove Exhaust Valve RG1251



Remove Mouthpiece RG1273 by cutting Nylon Tie

NOTE: some technicians prefer to remove the mouthpiece first

Warning! Only original Dive Rite Replacement parts are to Be used in the servicing of the RG 2010 second Stage

A) All the old parts that are to be replaced are designated in the new rebuild kit .Old parts should be packaged and returned to Dive Rite

B) The remaining parts should be cleaned in a solution designated for Nitrox cleaning

C) The following lubricants should be used in the assembly of the First Stage. Christo-Lube, Krytox or any one of a number of products available for this purpose that are Nitrox compatible

RG1425 Service Kit Balanced Second Stage Rg1210

- RG1404 “O” Ring
- RG1406 “O” Ring
- RG1408 LP Seat
- RG1409 “O” Ring
- RG1411 “O” Ring
- RG1412 Orifice
- RG1415 Plastic Washer
- RG1416 “O” Ring
- RG1420 Decal
- RG1421 Clip
- RG1423 “O” Ring

Lubricate and install the two “O” rings from the LP hose



Replace Exhaust Valve RG1251





**Install Exhaust tee RG1401
by insuring the raised lip on the
body is under the groove
of the exhaust tee**



**Lubricate and install
“o” ring RG1423**

**Replace Deflector
Assembly RG1424**



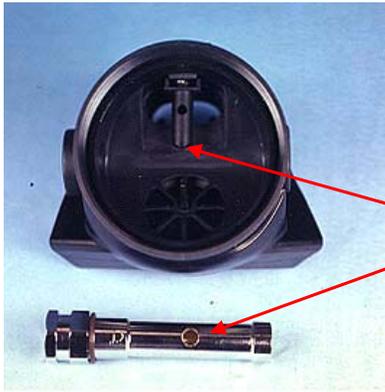
Using needle nose pliers replace Clip RG1422



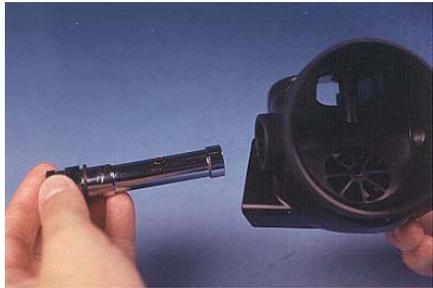
Small opening



**The Deflect tube RG1422 can now be installed take note of the orientation. Small opening faces out
The larger orifice faces the mouthpiece tube.**

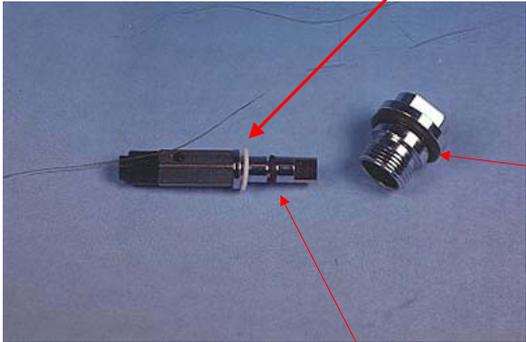


Opening on Adjustment tube assembly aligns with bottom of the Deflect Tube RG1422



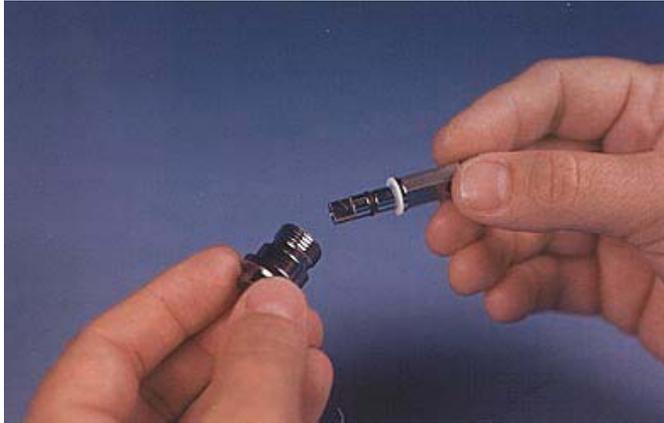
Lubricate and Install "o" ring RG1404

Replace Plastic washer RG1415



Lubricate and Install "o" ring RG1404

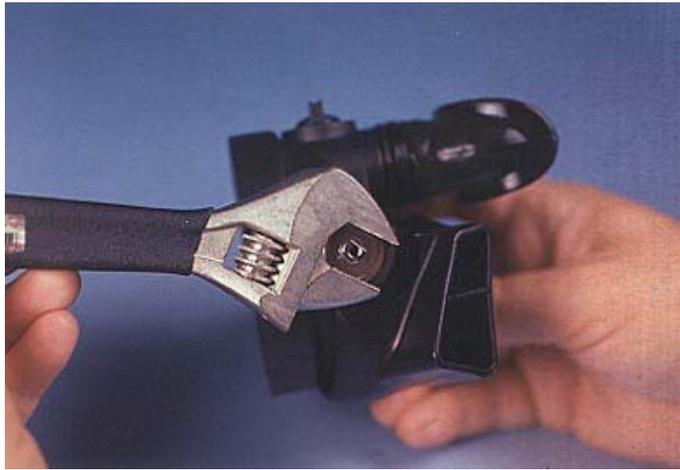
Lubricate and Install "o" ring RG1416



Insert Cylinder RG1414 into Adjust Tube Cap RG1417



The Adjustment Assembly can now be inserted into the Adjustment tube RG1405



Tighten the Adjustment knob tube cap RG1417 with a flat jawed adjustable wrench



Install the Adjustment Knob RG1418



Insert Knob Screw RG1418 into the Adjustment Knob RG1419 and Tighten with a screwdriver



Replace Inlet Tube RG1407 with the new unit supplied in the rebuild kit. Lubricate both "O" rings RG1406

Install Spring RG1403 onto the Inlet Tube RG1407
note: the narrow end of the spring is to be installed as shown



Narrow end towards LP seat



Replace the Inlet Tube RG1407 and the Spring RG1403



Lubricate and Install new “o” ring RG1411 on *New Orifice RG1412*

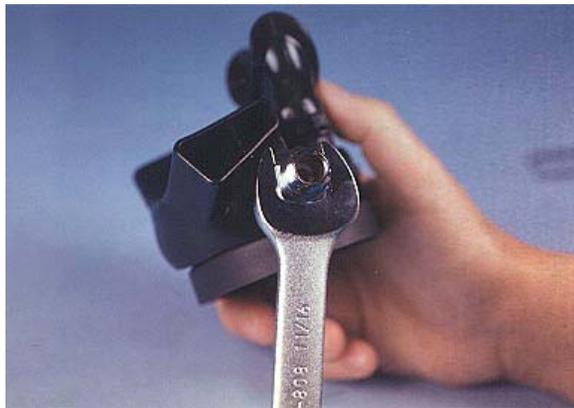
**Lubricate and install
“o” ring RG1409
onto Inlet screw
RG1410**



**After installing Orifice RG 1412 tighten
until valve seat protrudes from the tip of the Inlet Screw**

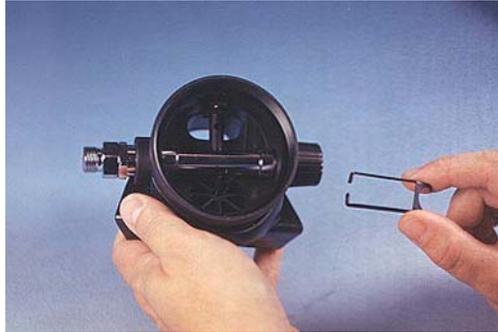


Insert this assembly into the Adjustment tube



Tighten the Inlet screw utilizing a 11/16 wrench

**Carefully install the Lever Arm RG1402 by
Placing the tabs into the corresponding holes
on the Adjustment tube
note: no tools are needed**



Note: If the Orifice was not screwed into the inlet nipple as previously mentioned the Lever Arm will be improperly installed

**Lever Arm is to be set just below the edge of the housing.
Check by placing a straight edge across the housing.**





Replace Diaphragm RG1252

Replace Front Cover RG1218



**Replace Aluminum Ring RG1219
and hand tighten**

Install the Low pressure hose and tighten with a 11/16 wrench



Tuning the RG 2010 second stage

- 1) Turn the Adjustment knob counterclockwise until it stops (this will set the second stage for the least resistance)
 - 2) Using the Second stage adjusting tool set the resistance to .6-.8 inches of water
 - 3) Purge the regulator and observe the intermediate pressure.
- A drop of 2-8 psi is considered acceptable



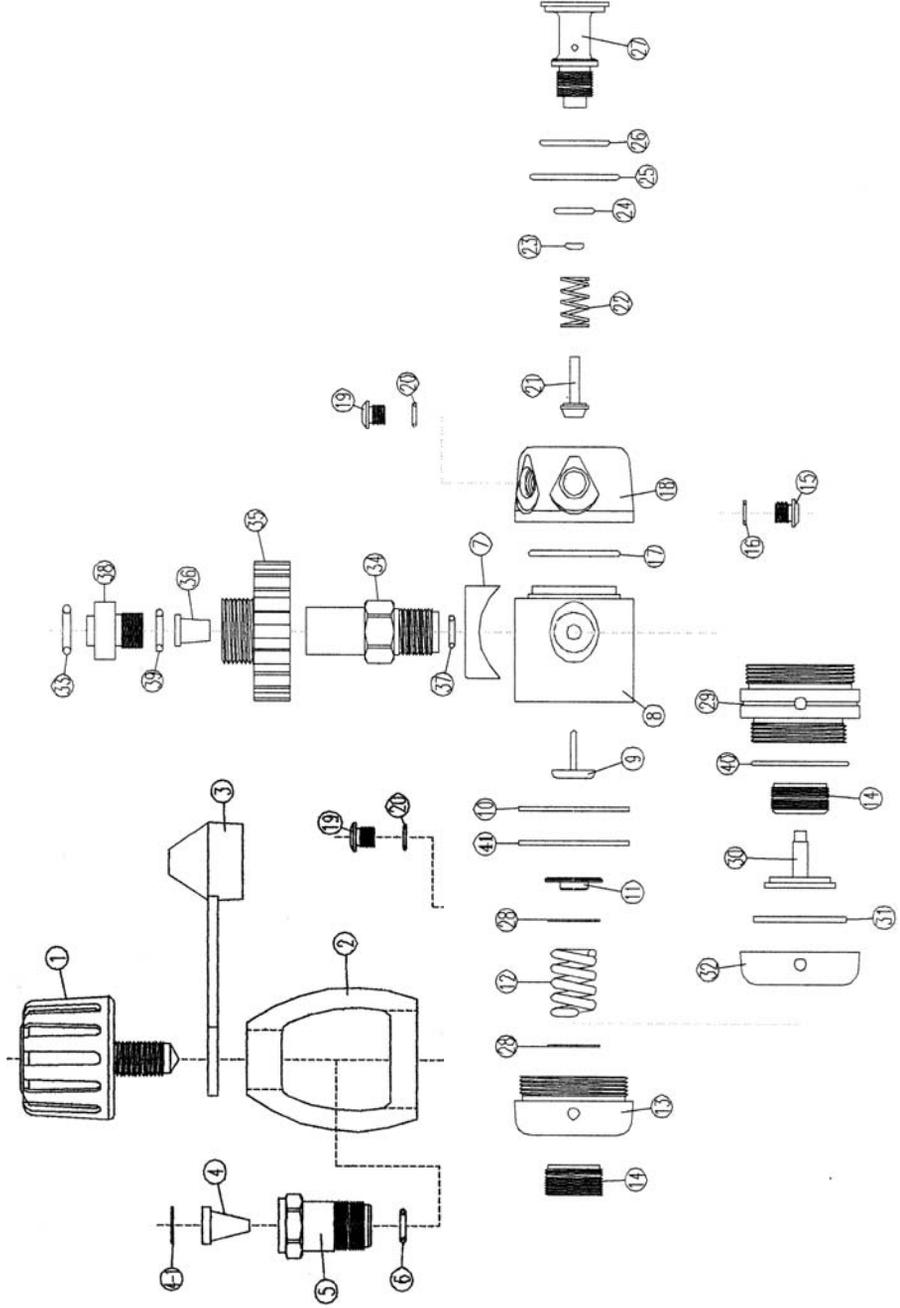
Note: By setting the Adjustment Knob to the easiest setting the diver can increase breathing resistance to his/her preference. The regulator should NOT be set to FREEFLOW



RG1205 First Stage

Yoke Assembly can be installed to replace DIN Fitting Parts 1-6 are necessary to replace parts 33-39

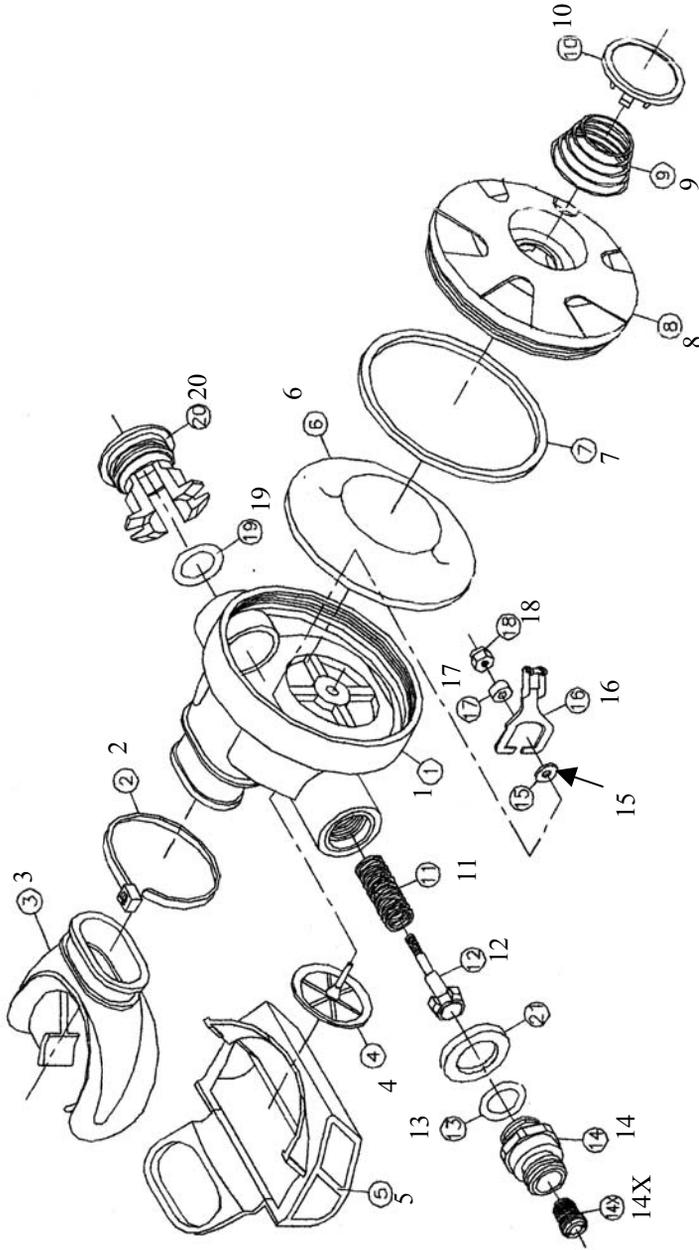
- 1) Yoke Screw
 - 2) Yoke
 - 3) Dust Cover
 - 4) RG1240 Inlet Filter
 - 4-1) Clip
 - 5) Yoke Connector Body
 - 6) RG1241 "O" ring
 - 7) DIN Connector saddle
 - 8) First Stage Body
 - 9) Valve Lifter
 - 10) Diaphragm RG1230
 - 11) Spring Carrier
 - 12) Intermediate Pressure Spring
 - 13) Diaphragm Cap
 - 14) Intermediate Pressure Spring Adjustment Screw
 - 15) RG1246 Port Plug HP
 - 16) RG1231 "O" ring
 - 17) RG1232 "O" ring
 - 18) Turret
 - 19) RG1245 Port Plug LP
 - 20) RG1233 "O" ring
 - 21) RG1234 Valve Seat HP
 - 22) High Pressure Valve return Spring
 - 23) RG1235 "O" ring
 - 24) RG1236 "O" ring
 - 25) RG1237 Thrust Washer First Stage
 - 26) RG1238 "O" ring
 - 27) Turret retainer
 - 28) RG1244 Plastic washer
 - 29) Cold water Diaphragm Cap
 - 30) Piston
 - 31) Cold Water Diaphragm
 - 32) Cold Water Diaphragm Cap
 - 33) RG1239 "O" ring
 - 34) DIN Connector Body
 - 35) DIN Hand Wheel
 - 36) RG1240 Inlet Filter
 - 37) RG1241 "O" ring
 - 38) DIN Lockdown Screw
 - 39) RG1242 "O" ring
 - 40) RG1243 "O" ring
 - 41) Thrust Washer part discontinued
- Newer model RG1205 first stages utilize a thicker Diaphragm which no longer need the Thrust washer





Dive Rite RG 1215 Alternate/ Octo

- 1) Second Stage Body
- 2) RG9320 Pull Tie
- 3) RG1250 Mouthpiece
- 4) RG1251 Exhaust Valve
- 5) Exhaust Tee
- 6) RG1252 Diaphragm
- 7) Diaphragm Retainer ring
- 8) Second stage Cover
- 9) Spring, Purge button Return
- 10) Purge Button
- 11) Main Spring valve Seat
- 12) Inlet Stem
- 12X) RG1264 Low Pressure Seat
- 13) RG1255 "O" ring
- 14) Inlet Nipple
- 14X) RG1263 Orifice
- 15) Spacing Washer, Thin
- 16) Demand Lever
- 17) Spacing washer, Fat
- 18) RG1266 Nylon Insert Nut

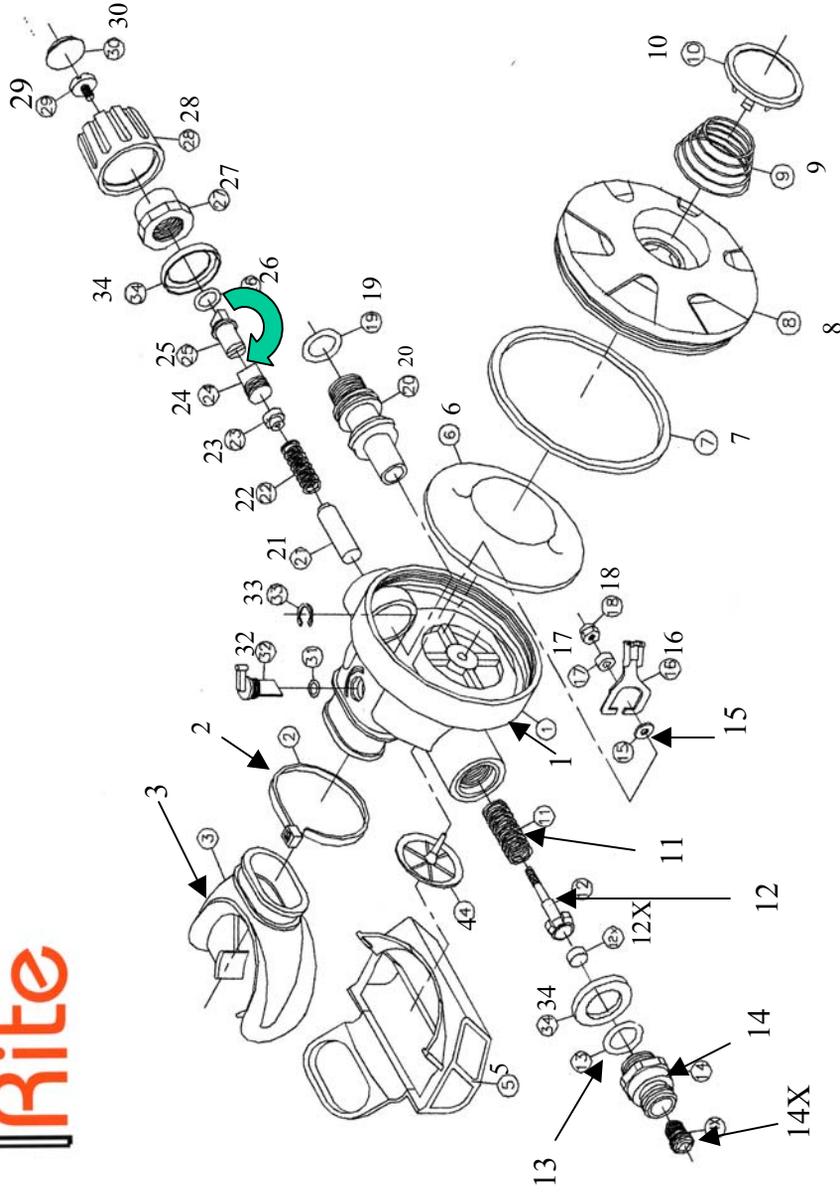


On second stages made from late 2000 on, a 1218 second stage cover and a 1219 Retaining ring replaces parts 7-10 (see photos in manual)



RG1210 Adjustable Second Stage

- 1) Second stage body
 - 2) RG9320 Pull tie
 - 3) RG1250 Mouthpiece
 - 4) RG1251 Exhaust valve
 - 5) Exhaust Tee
 - 6) RG1252 Diaphragm
 - 7) Diaphragm Retainer ring
 - 8) Second Stage Cover
 - 9) Spring purge button return
 - 10) Purge Button
 - 11) Main Spring Valve Seat
 - 12) Inlet valve Stem
 - 12X) RG1264 Low Pressure seat
 - 13) RG1255 "O" ring
 - 14) Inlet Nipple
 - 14X) RG1263 Orifice
 - 15) Spacing Washer, thin
 - 16) Demand lever
 - 17) Spacing Washer, Fat
 - 18) RG1266 Nylon Insert Nut
 - 19) RG1257 "O" ring
 - 20) Adjustment Housing
 - 21) Interior Adjustment Screw
 - 22) Adjustment Screw Spring
 - 23) Adjustment Screw Button
 - 24) Adjustment carrier
 - 25) Adjustment Shaft
 - 26) RG1258 "O" ring
- this part is to installed on part 25
- 27) Packing Nut
 - 28) Adjustment Knob
 - 29) Adjustment Knob lockdown screw
 - 30) RG1267 Decal
 - 31) Deflector "O" ring
 - 32) Dive/Pre-dive Switch
 - 33) Clip



On second stages made from late 2000 on, a 1218 second stage cover and a 1219 Retaining ring replaces parts 7-10 (see photos in manual)



RG2010 Adjustable balanced Second stage

- 1) RG1400 Main Housing
- 2) RG1273 Pull Tie
- 3) RG1250 Mouthpiece
- 4) RG1251 Exhaust Valve
- 5) RG1401 Exhaust Tee
- 6) RG1402 Lever Arm
- 7) RG1252 Diaphragm
- 8) RG1218 Face Cover
- 9) RG1219 Face Ring
- 10) RG1403 Spring
- 11) RG1404 "O" ring
- 12) RG1405 Adjustment tube
- 13) RG1406 "O" ring
- 14) RG1407 Inlet Tube
- 15) RG1408 LP Seat
- 16) RG1409 "O" ring
- 17) RG 1410 Inlet Screw
- 18) RG1411 "O" ring
- 19) RG1412 Orifice
- 20) RG1414 Cylinder
- 21) RG1413 Adjustment Screw
- 22) RG1415 Plastic washer
- 23) RG1416 "O" ring
- 24) RG1417 Adjustment Tube
- cap
- 25) RG1418 Adjustment Knob
- 26) RG1419 Knob Screw
- 27) RG1420 Decal
- 28) RG1421 Clip
- 29) RG1422 Deflector tube
- 30) RG1423 "O" ring
- 31) RG1424 Deflector

