

# Parkway Scuba

Atlas First Stage

# Preparation and initial inspection

- Visually inspect the regulator exterior for damage and/or corrosion
- Remove hose protectors, to visually inspect the hose and fittings
- Check the main body carefully for cracks in plastic
- Closely examine the finish on the hose fittings and 1<sup>st</sup> stage for flaking or chipped chrome



Remove the yoke by removing dust cap, yoke  
retainer and O-Ring

Remove Filter retainer, filter and O-ring



Remove Piston Cap and HP spring, HP Seat,  
Piston, Spacing Shims, HP Seat and O-Rings,  
LP and HP plugs

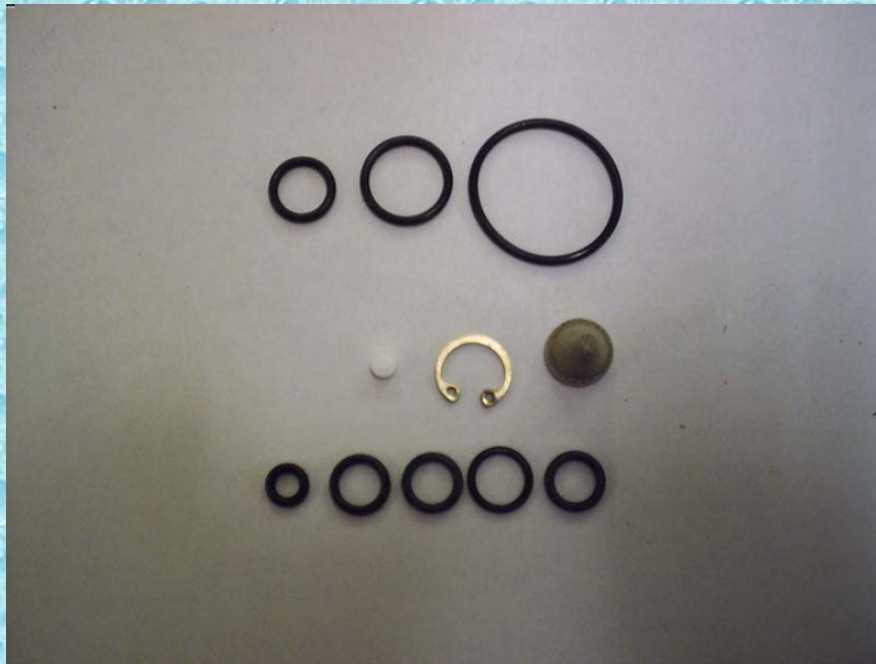


# Cleaning

- Wash all metal parts in cleaning solution
- Wash all plastic and/or rubber parts with a solution of warm water and mild detergent
- Rinse all parts with fresh water and dry
- Inspect carefully for damage.
- Use Service kit when reassembling

# Assembly

- Check the service Kit
- Replace all supplied o-rings



Insert new HP seat into the piston





Insert piston through spacing shim, HP spring and into the regulator body



Install the Piston cap screwing firmly in a clockwise direction onto the regulator body



Install the Yoke retainer through the yoke and tighten firmly

Install all remaining port plugs, hoses, dust caps etc



# Adjustment

- No adjustment is necessary on this piston first stage as long as intermediate pressure is steady and within specification of 130-145psi
- Any out of specification variance on the intermediate pressure will most likely be caused by an improperly seated HP seat, the seat surface on the regulator body or a bad HP spring. Replace these parts to gain a steady and within spec intermediate pressure.

# Parkway Scuba

Atlas second stage and Octopus

Remove Diaphragm retainer, Diaphragm,  
Mouthpiece and Exhaust Tee



Remove inlet nipple using a  $\frac{3}{4}$  inch or 19mm wrench



Remove Lever Arm by pushing seat carrier  
and pulling lever arm





Remove Side Plug



Remove the SS nut, this will allow removal of the washer, lever arm, spacer and SS nut





# Atlas 2<sup>nd</sup> Stage

Assembly

# Check Service Kit



Insert Spring, LP Seat carrier, push carrier until threaded portion extends into body



Place washer, lever arm, spacer, SS nut and move nut until 2-3 threads are showing



Insert inlet nipple into the crown making sure the nipple extends beyond the crown approx 1/16<sup>th</sup> of an inch





## Install Side Plug



If you hear lever striking diaphragm insert  $\frac{1}{4}$  inch nut driver through opposite side of inlet and tighten SS nut until lever is firmly captured between washer and spacer



Install front cover, Exhaust tee and Mouthpiece



# Atlas 2<sup>nd</sup> Stage

Adjustment

# Adjustment

- Attach the 2<sup>nd</sup> stage to a LP air source
- Check that the 2<sup>nd</sup> Stage has no air leaks, if air is leaking the most likely cause is the unit has been assembled incorrectly or there is a defect in the inlet nipple

Adjust the inlet nipple out until  
a free flow occurs then adjust  
in until free flow stops then  
turn an additional  $\frac{1}{4}$  turn

