# **SCUBAPRO**

Technical Service Schematic

## POLAR SECOND STAGE #11-372-000 POLAR OCTOPUS #11-38X-000

Date 9/94 Revison A Annual Repair Parts Kit #11-370-041

#### **Parts**

OST
-

#### **Technical Information:**

The Annual Repair Parts Kit may contain o-rings used in the hose assembly. Refer to the separate hose schematic for identification.

Lubricate all threads with silicone grease to reduce long term corrosion and provide easier disassembly at the next service interval.

## Special Engineering Notes:

Prior to installing the poppet, the orifice item #7 should be backed away from the poppet to avoid damage to the poppet seat.

The flow vane retaining ring Item #16 has been changed from stainless to copper alloy. The stainless clips should be inspected annually for rust and replaced with the copper clip if rusted.

The two posts on the air barrel align and fit into the cavities inside the plastic regulator case. Be sure to lift up on the air barrel before trying to remove it from the case.

The adjustment pad has a slotted cavity to retain the nut for the Dive/Pre-Dive cam. Place the nut into the cavity before placing into the Dive/Pre-Dive adjustment knob. Align the nut in the adjusting pad to the hole in the adjustment knob and place it into the case. The cam lobe is then placed into the recess in the adjustment knob and retained by the screw, which tightens to the nut in the adjustment pad.

When adjusting spring tension with item 30, turning the slotted screw clockwise (when it is facing you) will REDUCE spring tension. Turn it counterclockwise to INCREASE tension.

### **Legend** (prices subject to change without notice)

Not Shown

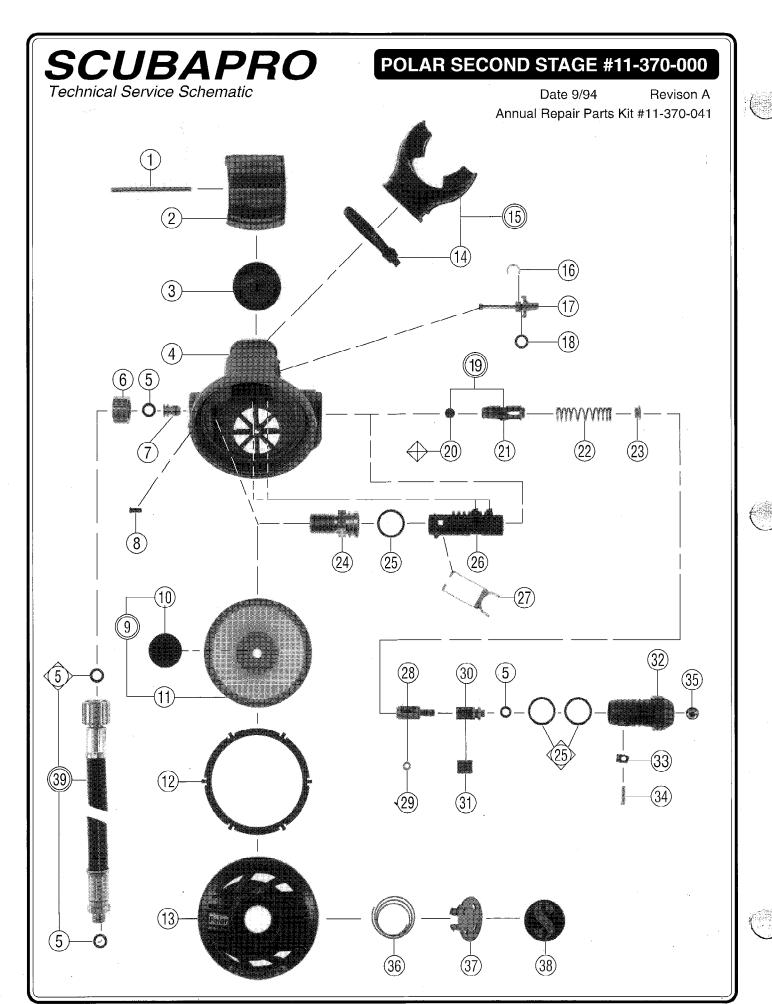
Dynamic O'Ring Replace Annually

O Optional Item

Annual Replacement

▲ Limited Warranty [ ] Torque In Inch Pounds

□ Older Configuration \* See Note



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