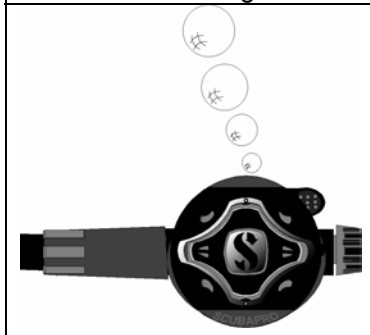
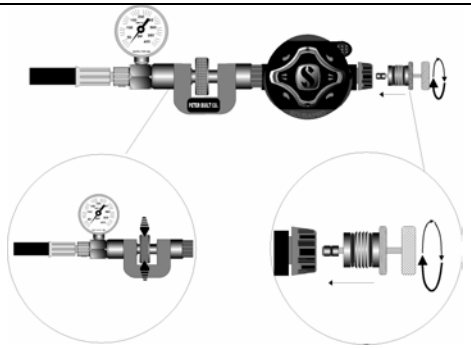
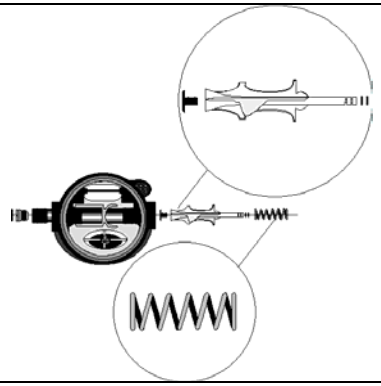
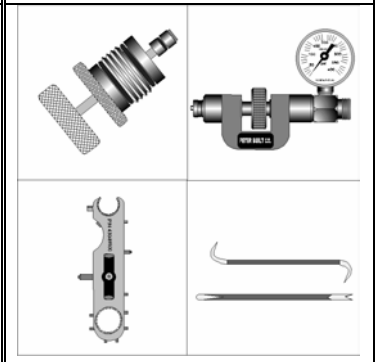
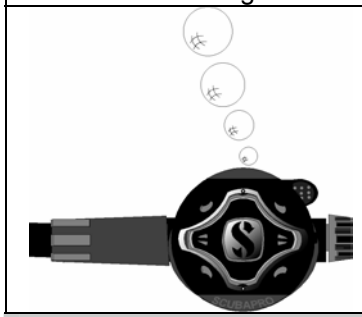
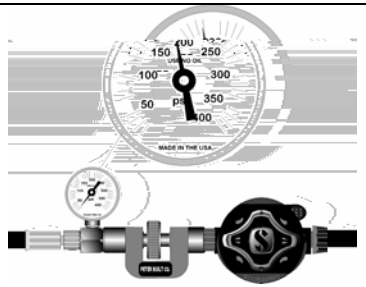
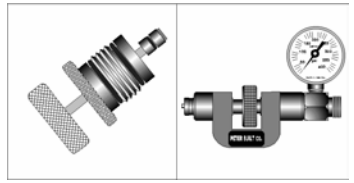
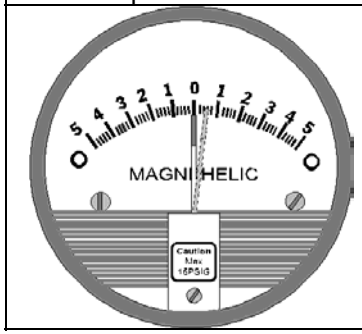
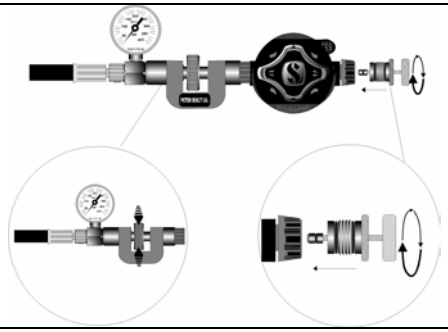
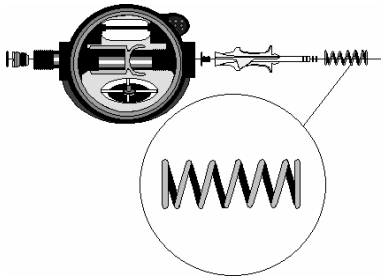
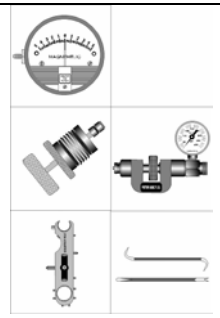
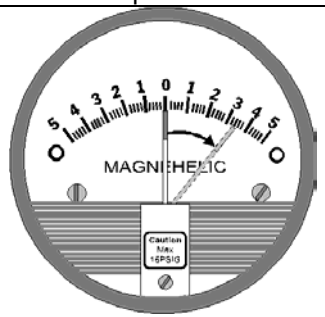
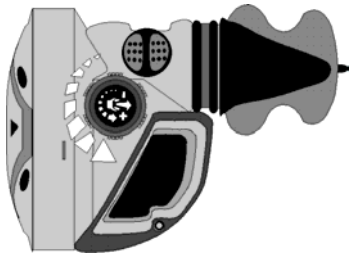
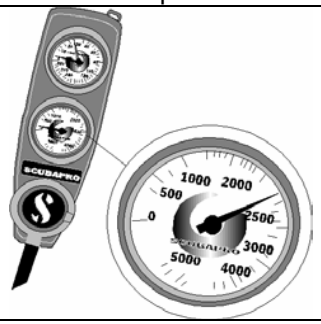
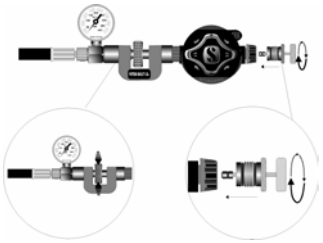
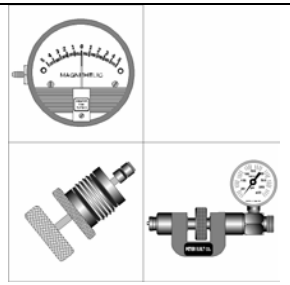
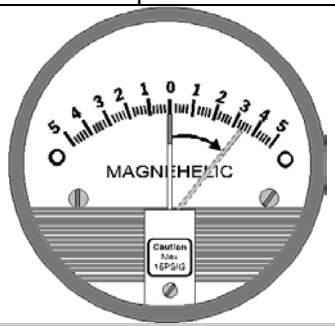
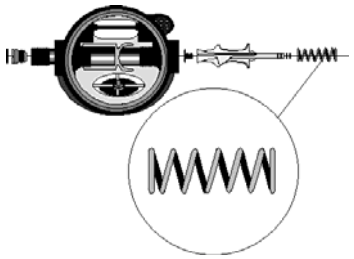
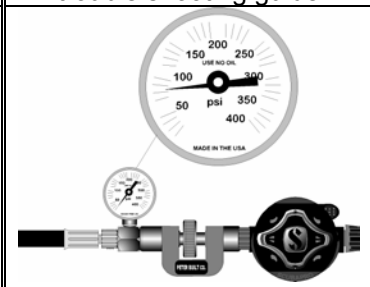
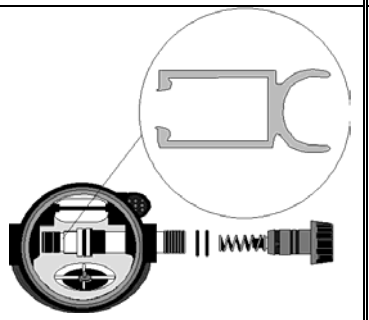
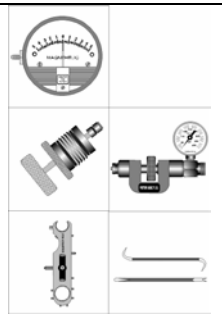
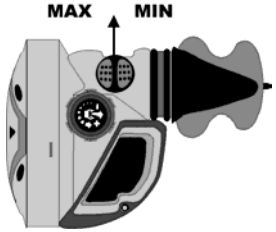
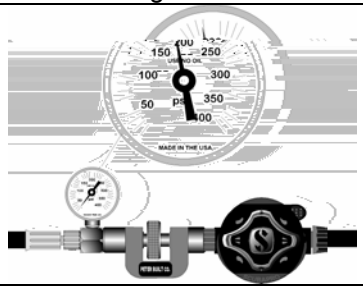
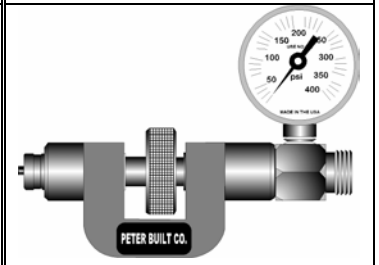
SCUBAPRO S600-S550 Second Stages

Trouble Shooting Guide

Symptom	Correction		Tools Needed
Continuous slow leak from second stage	Readjust orifice or balance chamber	Replace poppet, o'ring, seat or spring	Various
			
Continuous slow leak from second stage	High IP – See first stage trouble shooting		Balance Chamber tool/ Pneumatic adjustment tool
			
Inhalation effort is lower than specification	Reset balance chamber	Replace spring	Various
			

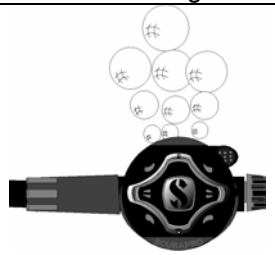
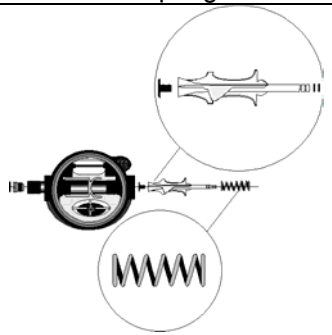
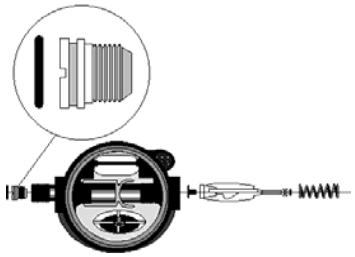
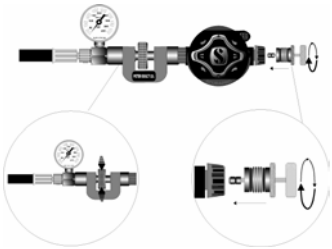
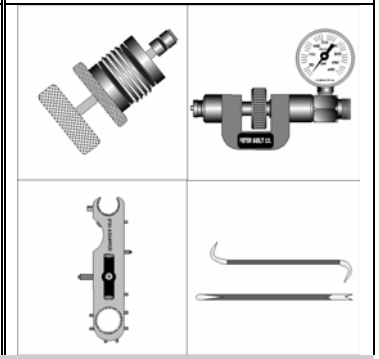
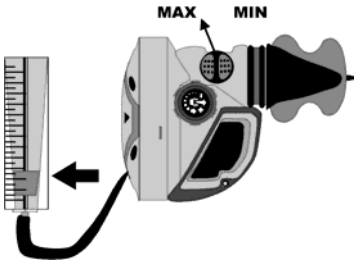
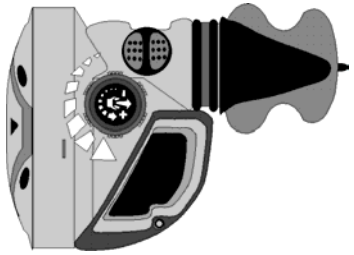
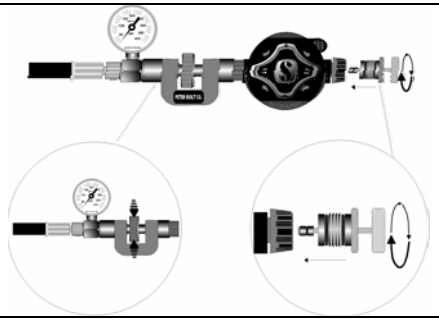
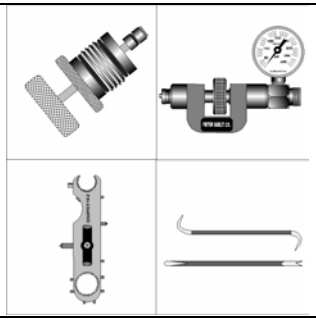
SCUBAPRO S600-S550 Second Stages

Trouble Shooting Guide

Symptom	Correction			Tools Needed
Inhalation effort is higher than specification	Retract adjusting knob or Plug (S550) against stop clip	Use a supply pressure of at least 1500 psi/100 bar	Reset orifice or balance chamber	Various
				
Inhalation effort is higher than specification	Replace spring	Increase IP – See first stage trouble shooting guide	Replace lever	Various
				
Violent free flow from second stage	Re-adjust VIVA control	High IP – See first stage trouble shooting guide		Pneumatic adjusting tool
				

SCUBAPRO S600-S550 Second Stages

Trouble Shooting Guide

Symptom	Correction			Tools Needed
Violent free flow from second stage	Replace poppet, o'ring, seat or spring	Replace orifice/o'ring	Readjust orifice or balance chamber	Various
				
VIVA does not provide continuous flow of air at the MAX setting	Retract adjusting knob against stop clip	Readjust orifice or balance chamber		Various
				
VIVA does not provide continuous flow of air at the MAX setting	Check VIVA vane for correct position – crescent facing diaphragm	Replace lever		Various
