
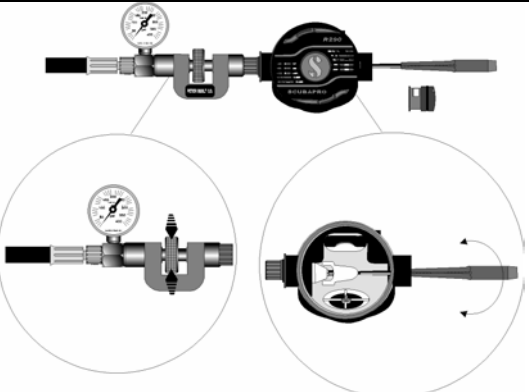
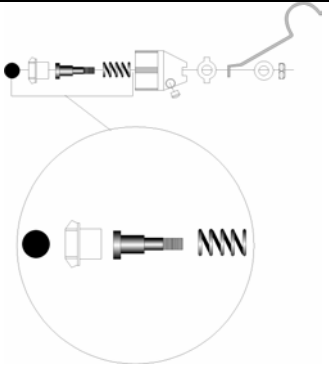


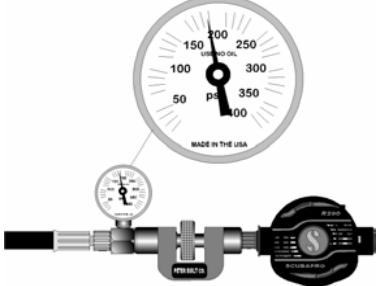
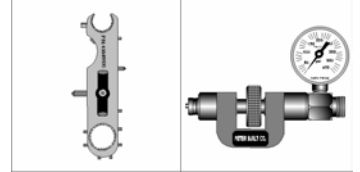

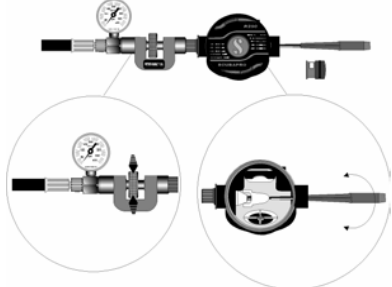
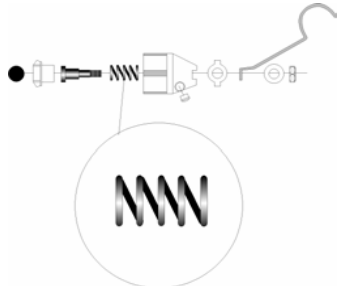




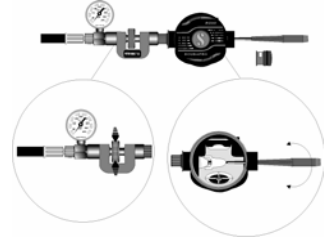
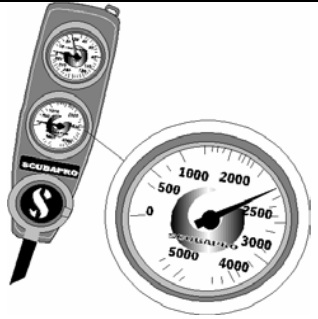
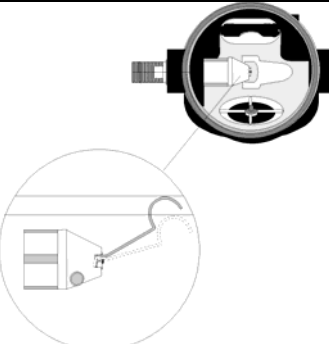
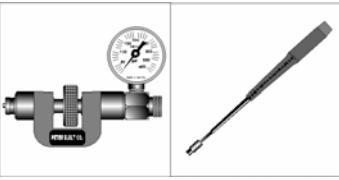

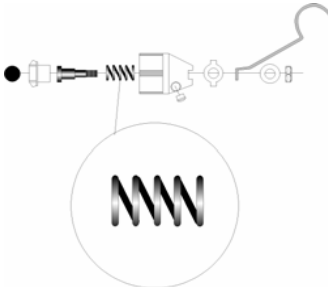
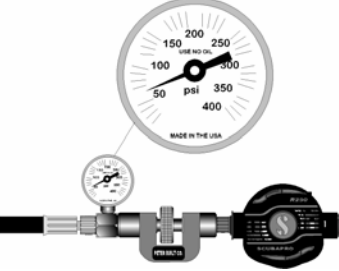
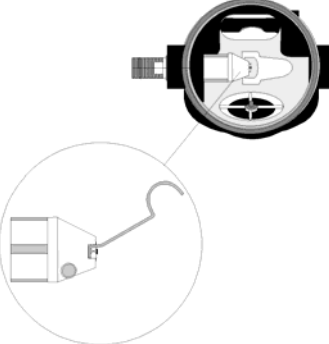
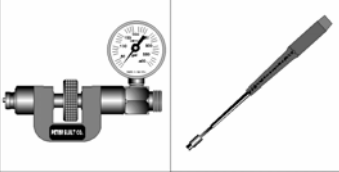
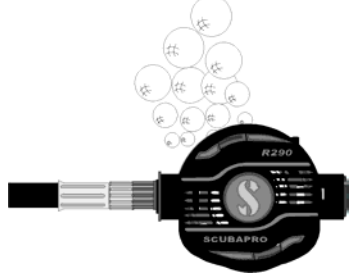
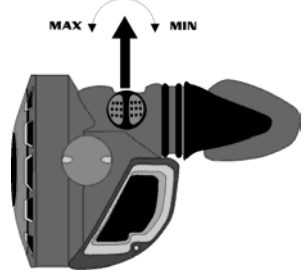
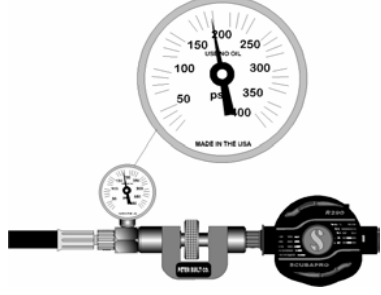
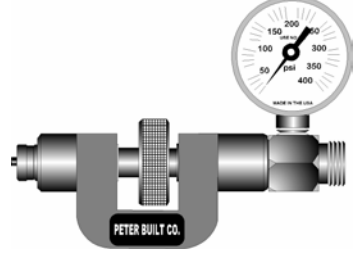


# SCUBAPRO R290 – R190 Second Stages Trouble Shooting Guide

Symptom	Correction	Tools Needed	
Continuous slow leak from second stage 	Readjust orifice or Nyloc nut 	Replace poppet, seat or spring 	Universal tool/ 1/4" nut driver 
Continuous slow leak from second stage 	High IP – See first stage trouble shooting 	Universal tool/ Pneumatic adjustment tool 	
Inhalation effort is lower than specification 	Tighten nyloc nut (3 threads maximum) 	Replace spring 	Universal tool/ 1/4" nut driver 

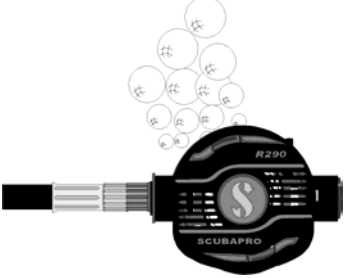
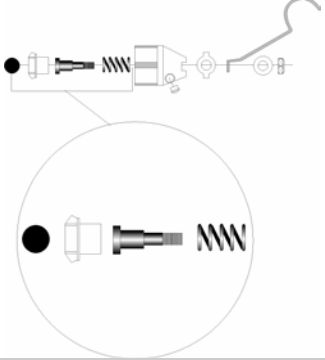
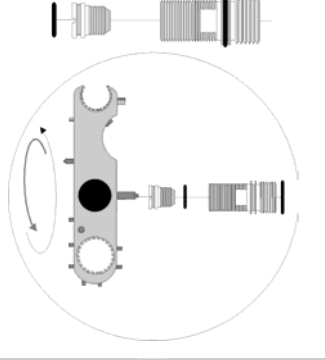
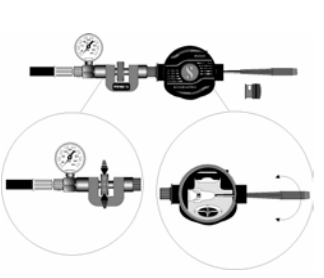

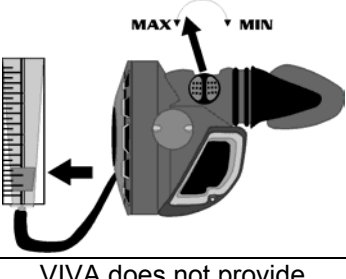
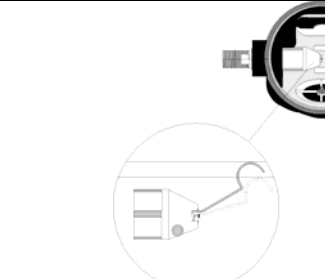
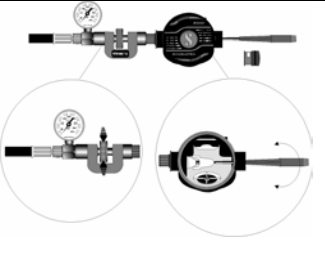
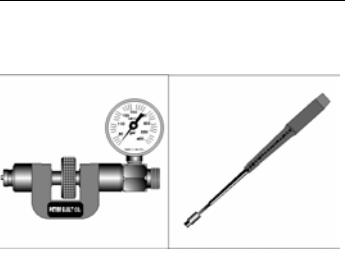
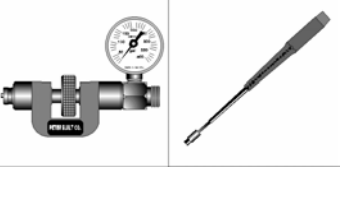


# SCUBAPRO R290 – R190 Second Stages Trouble Shooting Guide

Symptom	Correction	Tools Needed		
<p>Inhalation effort is higher than specification</p> 	<p>Readjust orifice or Nyloc nut</p> 	<p>Use a supply pressure of at least 1500 psi/100 bar</p> 	<p>Readjust nyloc nut - Lever too low</p> 	<p>Universal tool/ 1/4" nut driver</p> 
<p>Inhalation effort is higher than specification</p> 	<p>Replace spring</p> 	<p>Increase IP – See first stage trouble shooting guide</p> 	<p>Replace lever</p> 	<p>Universal tool/ 1/4" nut driver</p> 
<p>Violent free flow from second stage</p> 	<p>Re-adjust VIVA control</p> 	<p>High IP – See first stage trouble shooting guide</p> 	<p>Pneumatic adjusting tool</p> 	



# SCUBAPRO R290 – R190 Second Stages Trouble Shooting Guide

Symptom	Correction	Correction	Correction	Tools Needed
Violent free flow from second stage	Replace seat or spring	Replace orifice/o'ring	Readjust orifice	Various
				
VIVA does not provide continuous flow of air at the MAX setting	Readjust nyloc nut - Lever too low	Readjust orifice or nyloc nut	Readjust orifice or nyloc nut	Universal tool/ 1/4" nut driver
				
VIVA does not provide continuous flow of air at the MAX setting	Check VIVA vane for correct position	Replace lever	Replace lever	VIVA Removal tool/ 1/4" Nut driver
