
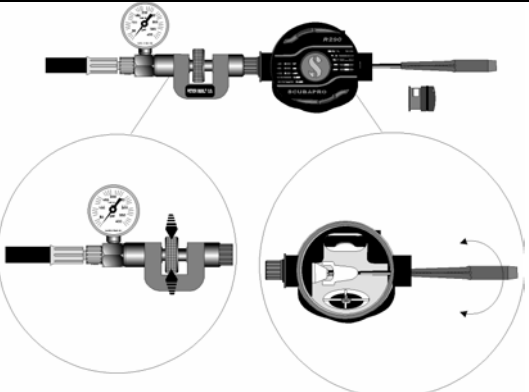
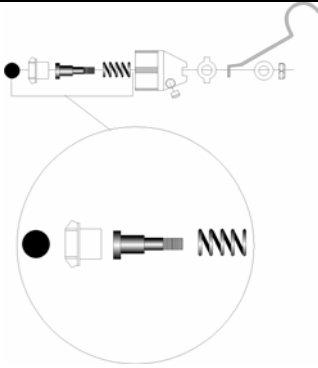


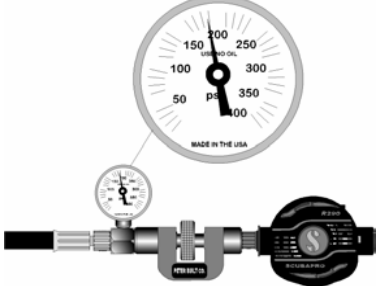
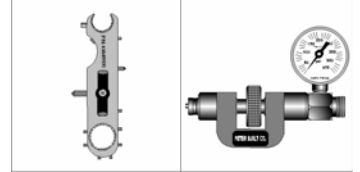

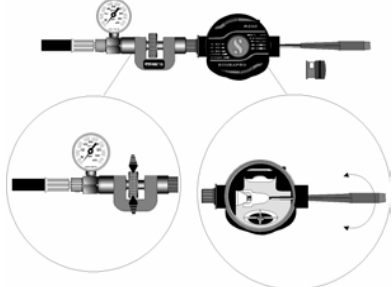
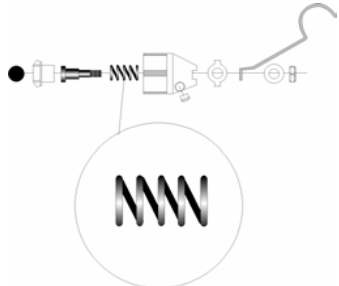




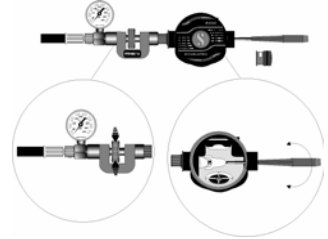
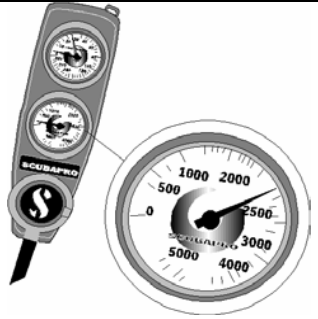
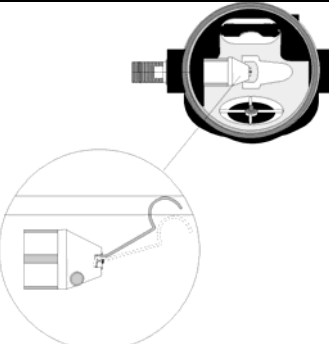
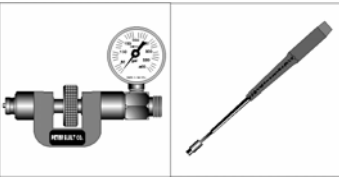

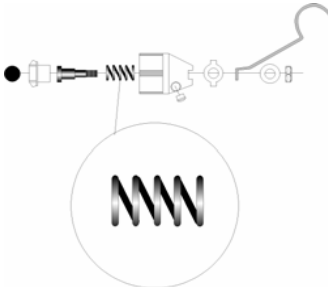
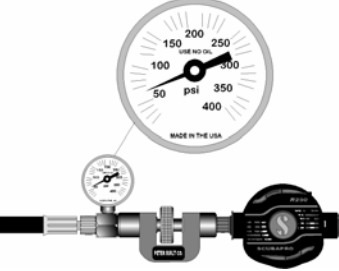
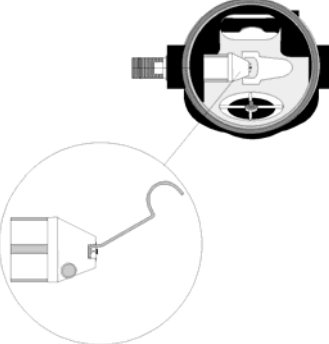
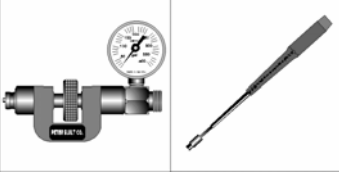
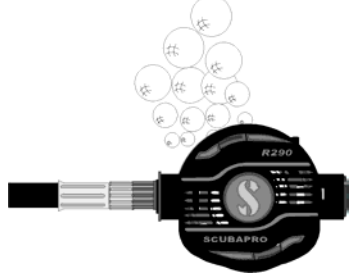
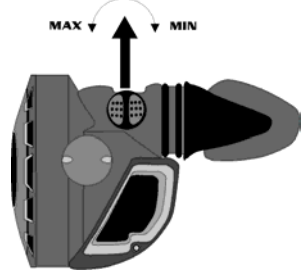
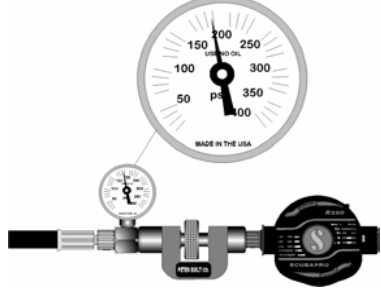
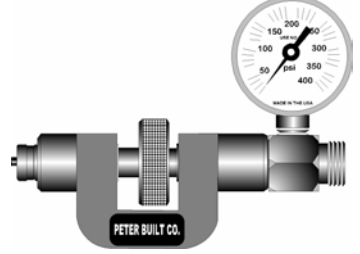


SCUBAPRO R290 – R190 Second Stages Trouble Shooting Guide

| 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  |

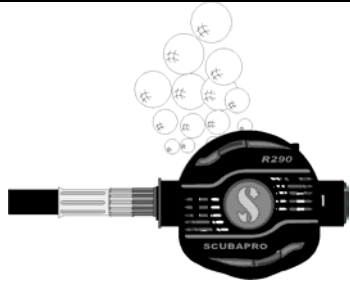
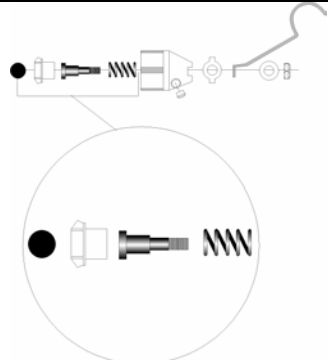
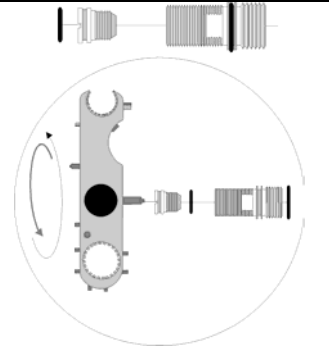
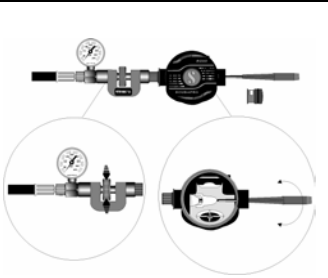

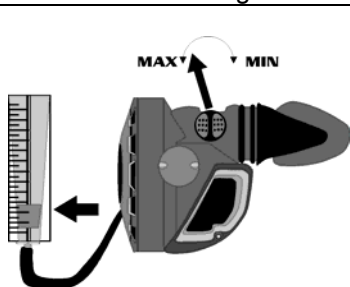
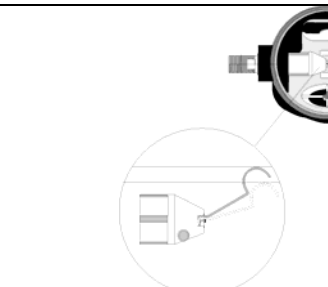
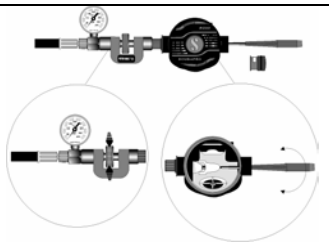
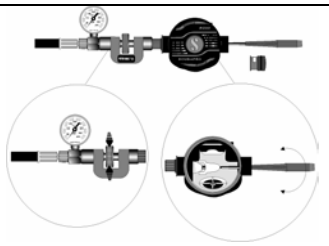

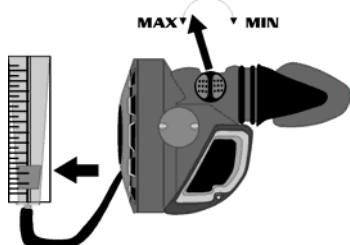
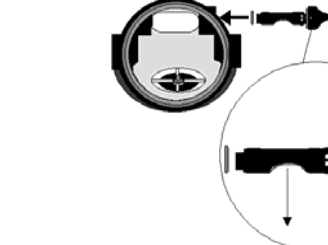
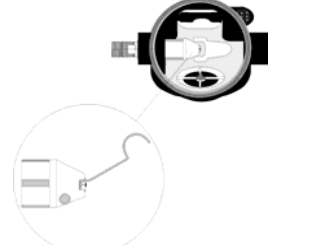
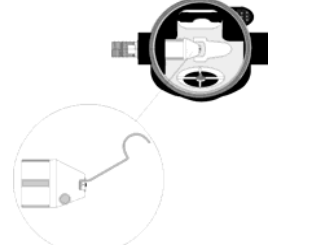



SCUBAPRO R290 – R190 Second Stages Trouble Shooting Guide

| 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 |
|  |  |  |  |  |