



Kirby Morgan Dive Systems, Inc.®

1430 Jason Way Santa Maria, California 93455

Phone: 805/928-7772 Fax: 805/928-0342

www.KirbyMorgan.com email: kmddsi@KirbyMorgan.com

Part #525-365 SL 27 Soft Goods Overhaul Kit

Part #	Description	Qty	Part #	Description	Qty
510-029	O-Ring	1	520-042	11" Tie-Wrap	4
510-550	Oral Nasal Valve	1	520-167	Washer	1
510-552	Exhaust Valve	1	525-019	O-Ring Kit, SL 27	1
510-553	Diaphragm	1	525-032	Whisker Clamp Kit	1
510-557	Valve, Water Dump	1	525-330	One-Way Valve Kit	1
510-580	Seat, Inlet Valve	1	530-028	Nut	1
510-776	Exhaust Valve	2	530-303	Lock Nut	1
520-030	Washer	1	530-601	Retaining Pin	1
520-031	Washer	1	540-095	Packing Washer	1
520-032	Washer	1	810-025	Valve, Purge	1

O-ring identification on reverse.

O-rings should be lightly lubricated with food grade silicone Dow Corning 111 or equivalent in accordance with the operations and maintenance manual. Christo-Lube® may also be used. At a minimum, all helmet or BandMask O-rings should be replaced at least once a year in accordance with the A2.1 for the helmet or mask being inspected. During daily and monthly maintenance, disturbed O-rings and valves may be reused providing no damage or deformation is found. O-rings and valves may require replacement more often than yearly if the helmet or mask use is extreme, or if the helmet or mask is used in waters containing oil or chemical contamination. Daily cleaning and inspections as well as performing the monthly inspection A2.2 will identify the need more accurately than simply placing a number of hours between overhaul. Store spare O-rings, valves and soft goods in a cool, dark, dry place. Avoid prolonged exposure to temperatures above 90 degrees Fahrenheit and/or exposure to ultra violet rays. Do not lubricate exhaust valves. Lubricating valves can cause dirt to stick, allowing leakage.

⚠ CAUTION

Use only KMDSI original replacement parts. The use of other manufacturers' parts will interfere with the performance characteristics of your life support equipment and may jeopardize your safety. Additionally, any substitutions will void any warranties offered by KMDSI. When ordering spares, always insist on Kirby Morgan Genuine Parts.

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*O-Ring Descriptions

310-003



510-014



510-490



510-008



510-015



510-010



510-011



510-483



510-029



510-012



520-033



510-450 9.0" x .278"
Neck Ring
no diagram

510-260 6.5" x .153"
Face Port O-Ring
no diagram



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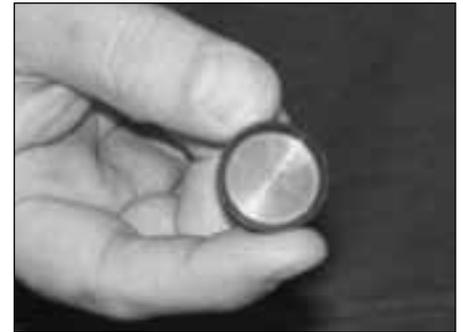
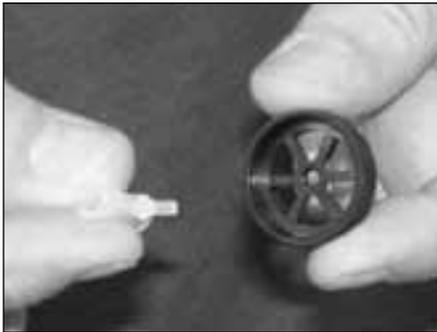


Figure 1: Installation of purge valve into purge valve



Figure 2



Figure 3



Figure 4

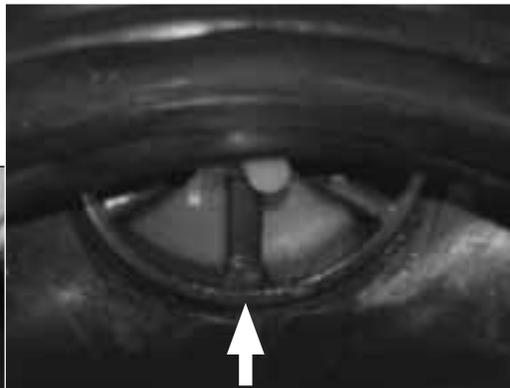


Figure 5a: Correct

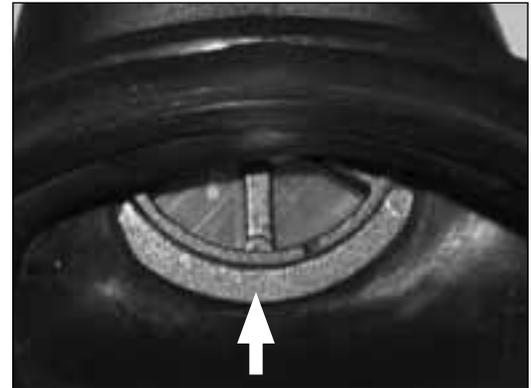


Figure 5b: Incorrect

Purge Valve Installation Instructions:

1. Place purge valve P/N 810-025 into purge valve body (*not included*) P/N 820-120. *See figure 1.*
2. Place purge valve and body assembly into water purge deflector (*not included*) P/N 510-780 as shown in figure 2.
3. Push purge valve and body assembly—with thumb into water purge deflector. *See figure 3.*
4. Turn water purge deflector assembly over. With one thumb push purge valve and body assembly until a slight pop is heard. *See figure 4.*
5. Turn assembly back over and work purge valve and body until firmly in place. Take notice that the purge valve and body are seated correctly. *See figure 5a and 5b.*