



Kirby Morgan Dive Systems, Inc.®

1430 Jason Way Santa Maria, California 93455

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

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Part #525-385 SuperFlow® 350 Regulator for KM 77 Conversion Kit

Part Number	Description	Qty
100-063	Manual, KMDH 37SS	1
505-758	350 Regulator Pod Assembly	1
510-403	Pod Gasket	1
510-747	Oral Nasal Mask	1
520-042	Tie Wrap	3
525-620	Tool Kit w/Pouch	1
530-145	Lock Nut	8
555-155	Bent Tube Assembly w/ O-rings	1

***See last page for O-ring Identification**

Tools Required

- Torque screwdriver with ¼" Flat Blade Attachment
- Torque Wrench
1 1/16", 1 3/16"
- Open End Wrench
3/8", 7/16", 1 3/16" and two 7/8"
- Small Phillips Screwdriver
- 5/32" Hex Key
- Medium Strength Loctite®

Equipment used for air diving or diving with oxygen mixtures containing **LESS than 40% oxygen** can be lubricated with food-grade silicone, such as Molykote® 111 or equivalent. DO NOT mix types of lubes in the regulators. At a minimum, all helmet or BandMask® O-rings should be replaced at least once a year in accordance with the A2.1 checklist for the helmet or mask being inspected. During daily and monthly maintenance, O-rings and valves may be reused if no damage or deformation is found. O-rings and valves may require replacement more often than yearly if 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 the monthly inspection (A2.2 checklist), will more accurately identify the need than simply counting hours between overhauls. Store spare O-rings, valves, and soft goods in a cool, dark, dry place. Avoid prolonged exposure to temperatures above 90 °F (32 °C) and/or to ultraviolet rays. Do not lubricate exhaust valves and diaphragms. Lubricating valves can cause dirt to adhere, leading to leakage.



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⚠ CAUTION

Use only KMDSI original replacement parts. Using other manufacturers' parts will interfere with the performance 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.



1. See the *Stainless Steel Helmets with REX Pod* module in your manual for pod removal, remove the pod/regulator assembly from the helmet shell. Remove the nose block device and oral nasal mask, then remove and reserve the oral nasal valve body and valve to be used with the new oral nasal mask.



2. Install the gasket. Note the ridge on the gasket. This ridge is designed to help maintain the proper position of the gasket in the groove in the pod.



3. Install the new pod/regulator assembly onto the helmet shell.



NOTE

When inserting the screws, it is best to thread them into and through the gasket to avoid possible damage to the seal that forms around the threads.



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Regulator

Gasket

*Regulator
mount nut*

Whisker with spacers

4. Using the $\frac{5}{32}$ " hex key and $\frac{3}{8}$ " wrench, tighten the screws onto the helmet. The numbers indicate the order in which the screws and nuts that retain the pod are tightened to connect the pod to the helmet. Tighten the screws gradually, moving from one to another. **Do not overtighten.** Carefully watch the gasket as you tighten the screws—tightening until the gasket barely begins to extrude from between the pod and helmet shell.

Apply medium strength Loctite® to whisker screws before installing. Torque whisker screws to 15 inch pounds (1.7 newton meters).



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