



# Kirby Morgan Dive Systems, Inc.®

1430 Jason Way Santa Maria, California 93455

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

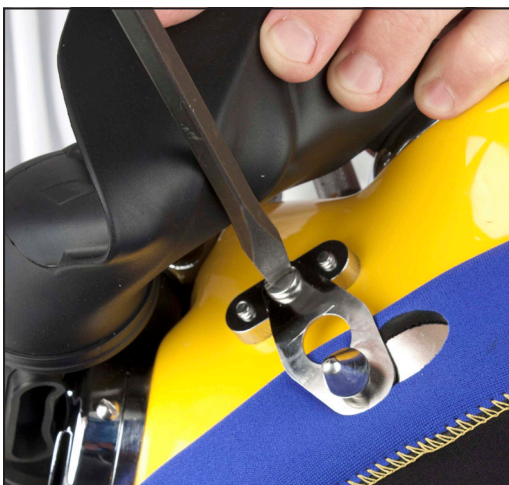
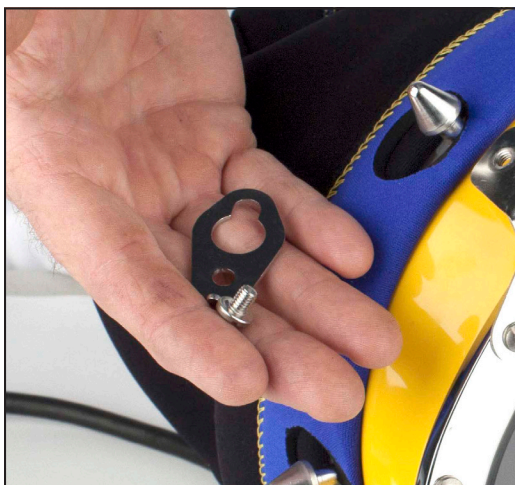
www.KirbyMorgan.com email: kmdsi@KirbyMorgan.com

## Part #525-737 KMB 18 Large Hood with Large Molded Face Seal Kit

Part Number	Description	Qty
510-709	KMB Large Hood with Large Molded Face Seal	1
530-097	Screw	2

### Tools Required

- Torque Screwdriver
- Flat Blade Attachment
- Phillips Head Attachment



1. Remove the band keepers P/N 540-175 and 540-179.



### NOTE

Please refer to the BandMask Standard Hood, Face Seal, Band Keepers and Head Harness module, for instructions on the removal and replacement of the band keepers.

If your BandMask does not have band keepers, Kirby Morgan highly recommends having them installed. Refer to Bulletin #8 of 2005.



### IMPORTANT

Be aware that without band keepers, Kirby Morgan Band Masks 18 and 28 DO NOT meet factory specifications.



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2. Remove the band adjustment screws and discard.

3. Separate the old hood and face seal from the mask frame. Remove the earphones from the pockets in the hood.
4. Remove the top and bottom bands P/N 540-175 and 540-179 from old hood and face seal assembly.



5. Remove the comfort insert.

## Inspection

1. Inspect top and bottom bands, band keepers and all related parts to ensure that they are not damaged, broken, cracked (welds) or bent and are in good working condition.
2. Ensure that all mounting surfaces are clean and free of debris, oils, or greases.



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## Reassembly



1. Reinstall the top and bottom bands into the new hood and face seal assembly P/N 510-710.



2. Use the bronze band adjustment screws, included in this kit, and start the screws a few threads—just enough to hold the bands together.

3. Install the hood and molded face seal assembly on the side block side first. Make certain that the thread-





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ed side on the lower band is resting behind the emergency valve on the side block assembly.

Starting **FIRST AT THE SIDE BLOCK SIDE**, work the hood and molded face seal around and onto the mask frame. Continue to work the hood and face seal around the mask frame until seated properly.



## NOTE

Do not completely tighten down the adjustment band screws in this step.



Make certain the bands are over the rubber of the molded face seal and the neoprene has NOT folded over the rubber.





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4. The bands can be slid over to align with the top band keeper.

Start the screws to secure the top and bottom band keeper attachment plates. Torque **ONLY** the top band keeper to 12 inch pounds (1.3 Newton Meters), leave the bottom band keeper loose for the time being.



This will ensure that the hood and face seal are properly aligned and fitted onto the mask frame before tightening the band screws.

## NOTE

The top band keeper attachment and bottom center line on the hood should lineup with the center of the mask.



5. Using a torque screwdriver with a large Phillips attachment, torque the band screws to 26 inch pounds\* (2.94 Newton Meters).



Maximum torque, bands should have no less than an  $\frac{1}{8}$  inch (3 mm) even gap between the bands. On installation, a marine grade anti-seize may be used on this screw. The screws may need adjustment after several dives

## NOTE





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For easier access to the lower band keeper, the port whisker wing can be moved.

Remove the screws, spacers and zinc whisker anode or kidney plate holding the port whisker on the mask frame and tuck the whisker wing under the adjustment knob.

6. Using a torque screwdriver with a flat blade attachment, torque the bottom screw securing the band keeper to 12 inch pounds (1.3 Newton Meters).



If the optional step to move the port whisker wing was followed, untuck the whisker wing, reinstall the screws, spacers and zinc whisker anode or kidney plate and torque the screws to 12 inch pounds (1.3 Newton Meters).

7. Reinstall the earphones into the pockets of the new face seal.



A small amount of pump silicone lubricant or dish soap on the outside of the earphone assemblies will make them easier to install.

8. Reinstall the head harness (spider).

**Post Dive Cleaning, Maintenance and Inspection:** Rinse the hood and face seal thoroughly with fresh water after each use. Air dry and inspect for damage. Use pump silicone conditioner on the face seal rubber to clean and help protect it.

## ⚠ 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.**



HOOD & MOLDED FACE SEAL SIZING GUIDE

**A HOOD SIZING**

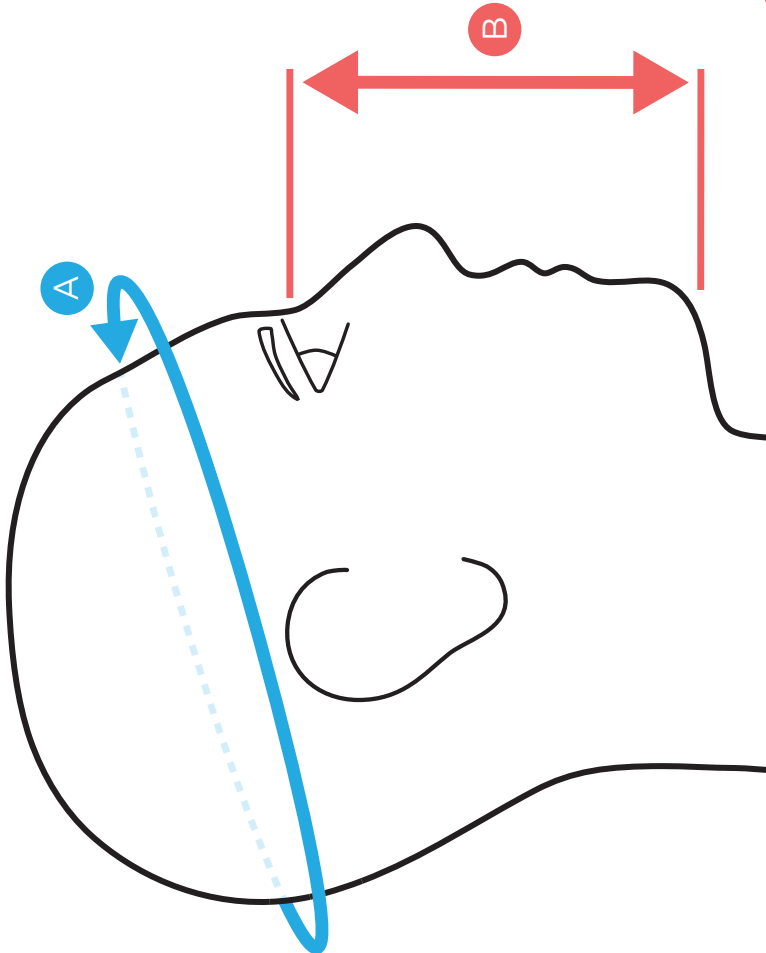
To determine your correct hood size, measure the circumference of your head.

**B FACE SEAL SIZING**

To determine your correct face seal size, measure from the bottom of your chin to the bridge of your nose.

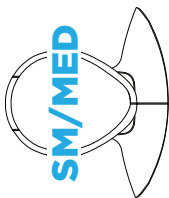




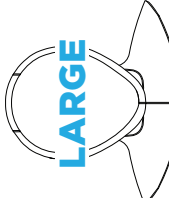





**CHART GUIDE**

After **A** hood size and **B** face seal size have been taken, use the chart to determine the part number that corresponds with your Band Mask® model KMB-28/KMB-18.



**B FACE SEAL SIZE**

**A HOOD SIZE**

 <b>SM/MED</b> <b>LESS THAN 23 in</b> 58.4 cm	 <b>SMALL</b> <b>LESS THAN 4.5 in</b> 11.4 cm	 <b>MEDIUM</b> <b>4.5-5 in</b> 11.4-12.7 cm	 <b>LARGE</b> <b>GREATER THAN 5 in</b> 12.7 cm	<b>KMB-28</b>	<b>KMB-18</b>	
 <b>LARGE</b> <b>GREATER THAN 23 in</b> 58.4 cm	 <b>525-730 525-734</b>		 <b>525-731 525-735</b>		 <b>525-733 525-737</b>	
			 <b>525-732 525-736</b>			



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