



# 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 #525-172 KMB 18/28 Hood & Band Keeper Kit

### Tools and Components Required:

- Flat Blade Screwdriver
- Torque Screwdriver w/Flat Blade & Phillips Attachments
- #2 Phillips Screwdriver
- Large Phillips Screwdriver
- Drill
- Drill Start & #10 Drill Bit
- RTV Silicone Sealant (Dow Corning #732)
- Marking Pen

### Parts Included:

PART #	DESCRIPTION	QTY
510-712	Hood	1
530-040	Screw	3
530-062	Screw	2
530-073	Screw	2
540-171	Top Band Keeper Mount	1

PART #	DESCRIPTION	QTY
540-175	Bottom Band Keeper Attachment Plate	1
540-179	Top Band Keeper Attachment Plate	1
540-182	Bottom Band Keeper Mount	1



The following parts must be removed from your KMB 18/28. Refer to the KMB 18/28 Manual which can also be found online at [www.kirbymorgan.com](http://www.kirbymorgan.com) for removal procedures. Remove the Head Harness (Spider), Hood, Top & Bottom Bands, Comfort Insert (KMB 18's Only) Nose Block Device, Oral Nasal and the Three Top Port Retainer Screws. Inspect and replace if necessary parts that will be reused for the installation of the new Hood & Band Keepers.



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## Installation Procedures

1) Reinstall the Top & Bottom Bands only back onto the Mask Frame. Lightly snug the Adjustment Screws and make sure that the Bands are evenly clamped and centered correctly on the mask.



2) Install the Bottom Band Keeper Attachment Plate onto the Bottom Band Keeper Mount using Screw (P/N 530-073) with the bend towards the Mount and so that it creates a "T" like shape. Place this assembly onto the lower port side Head Harness Mount Stud as shown leaving a small ( $\frac{1}{16}$ " ) gap between the end of the slot in the Keeper Attachment Plate and the Head Harness Mount Stud. Then use a pen to mark the location of where the mounting holes need to be drilled as shown.



3) Cap or plug the Regulator Mount Tube, One Way Valve Adapter and Emergency Valve Inlet to prevent debris from entering during drilling



4) To Drill the holes accurately use a Drill Start or twist the Drill Bit by hand to start the holes first to prevent the drill from wandering. Use a #10 (0.1935") Drill and carefully drill the two holes.

5) Clean all of the debris from the mask and remove the plug from the Regulator Mount Tube and the Bands from the Mask Frame.

6) Put RTV Silicone Sealant on the backside of the Bottom Band Keeper Mount and on the lower threads up against the head of the Screws (P/N 530-062).



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7) Install the Bottom Band Keeper Mount onto the outside of the Mask Frame using two Screws (P/N 530-062) and torque to 14 inch pounds. Clean off excess Silicone.

8) Reinstall the Comfort Insert (KMB 18's only), Oral Nasal and Nose Block Device. (The KMB 18 with a molded face seal does NOT use the comfort insert)



9) Remove the Adjustment Screws from the Bands and feed the Bands into the Hood through one of the large holes on the sides.

10) Reinstall the Adjustment Screws onto the Bands only 2-3 turns.

11) Place the Mask face down on a work surface and install the Earphones into the Earphone Pockets.

12) Slip the Hood & Bands onto the Mask Frame until they are both correctly positioned and centered.



**NOTE**

On the KMB 28's it may be necessary to place the Adjustment Block part of the Band between the Side Block and the Mask Frame first before sliding on the other side of the Hood onto the Mask Frame.



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13) Install the Top Band Keeper Mount onto the front of the Port Retainer using three Screws (P/N 530-040) and tighten them with a Torque Screwdriver to 12 inch pounds.

14) Place the Top Band Keeper Attachment Plate over the top, center Head Harness Mount Stud and attach it to the Mount using Screw (P/N 530-073) and torque to 12 inch pounds.

15) Use a Torque Screwdriver and tighten the Band Adjustment Screws to 26 inch pounds.

