

# Kirby Morgan®

## Deep Sea Diving Helmets

SL 17 A/B, 17C, 17K, 27, KM 37/SS, 47, 57, 77, 97

### A2.6

## Post Dive Cleaning, Maintenance, and Inspection Checklist

POST DIVE CLEANING AND INSPECTION SHOULD BE PERFORMED AT THE END OF DAILY DIVING OPERATIONS OR AT LEAST EVERY 24 HOURS DURING CONTINUOUS DIVING OPERATION.

**NOTE:** Helmets being used in extreme environments will require more frequent inspection.

**NOTE:** During removal of components for inspection, O-rings and other consumable items may be reused, providing they are clean and a visual inspection does not reveal any damage or deterioration.

**NOTE:** This cleaning and maintenance schedule is recommended for all Kirby Morgan Diving Helmets and should be performed at least on a **DAILY** basis.

**NOTE:** Detailed instructions are located in the Modular O & M Manual.

Date: \_\_\_\_\_

Helmet Model: \_\_\_\_\_

Helmet Serial Number: \_\_\_\_\_

Associated Equipment Serial #(s): \_\_\_\_\_

Technician (*print name*): \_\_\_\_\_

**DIVER/TENDER - CHECK THE FOLLOWING:**

<b>Procedures</b>	<b>Initials</b>
1) Secure and bleed down gas supplies.	
2) Disconnect the Helmet Gas Connections and disconnect the communication wires. Cap the Umbilical End.	
3) Wash the exterior surface of the Helmet with a solution of mild detergent and fresh water, then rinse. Inspect for signs of damage.	
4) Remove the Head Cushion Assembly. Inspect for damage. If the Head Cushion has gotten wet with perspiration or water, clean and hang-up for drying or airing.	
<p>5) Remove the Demand Regulator Clamp, Cover, and Diaphragm Assembly. Inspect the Diaphragm for signs of degradation, mineral deposits (if present, clean), tears, holes OR separation and replace, if necessary. Wash the interior of the Demand Regulator with mild detergent and fresh water, then rinse thoroughly.</p> <p><b>NOTE:</b> While rinsing the interior of the Demand Regulator DO NOT depress the Purge Button lever. This action will introduce foreign matter into the Inlet Valve and Seat.</p>	
6) Dislodge the earphones. If the interior of the Helmet and Liner has gotten wet, remove the earphone protective covers, wash with mild detergent solution, rinse with fresh water and allow to dry.	
7) Remove the microphone from the Oral Nasal Mask. Wash with a mild detergent solution and rinse with fresh water.	
8) Wipe interior of the Helmet, including the Oral Nasal Mask. Wash with a mild detergent solution and rinse with fresh water. For sanitizing procedures, refer to "Appendix 5: Quick Sanitizing Procedure."	
9) Rotate the Regulator Adjustment Knob fully out (counter clockwise).	

Procedures	Initials
10) Clean the Neck Dam and Neck Clamp and Latch Catch (SL-17A/B Assembly with a mild detergent solution. Operate the Neck Clamp and Latch Catch (SL-17A/B), rinse with fresh water. Clean the Neck Ring, and Pull Pin Assemblies (SL17K, 17C, 27, KM-37/SS, 47, 57, 77, 97) with mild detergent solution, thoroughly rinse with fresh water.	
11) Wipe all surfaces with a clean, dry towel to remove water droplets. Allow to air dry. Close the Emergency Supply and Steady Flow Valves. Cap the One Way Valve and EGS hose connection if the EGS hose is not installed.	
12) Cap the Emergency Gas Whip on the First Stage Regulator. Wash the exterior of all EGS components, the First Stage Regulator, the Gas Cylinder, the Submersible Pressure Gauge, and the Harness Assembly with a mild detergent solution and rinse with fresh water.	
13) Note any damage or discrepancies found during cleaning.	

Technician Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Comments: \_\_\_\_\_

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KMDSI strongly recommends that a certified KMDSI Repair Technician make all repairs and that only genuine KMDSI repair and replacement parts be used. Owners of KMDSI products that elect to do their own repairs and inspections should only do so if they possess the knowledge and experience. All inspections, maintenance, and repairs should be completed using the appropriate KMDSI user guide and Operations and Maintenance Manual(s). Persons performing repairs should retain all replacement component receipts for additional proof of maintenance history. Should any questions on procedures, components, or repairs arise, please contact Kirby Morgan Dive Systems, Inc., by telephone at (805) 928-7772 or via e-mail at [kmdsi@kirbymorgan.com](mailto:kmdsi@kirbymorgan.com), or contact Dive Lab, Inc., by telephone at (850) 235-2715 or via e-mail at [divelab@divelab.com](mailto:divelab@divelab.com).

**NOTE:** The Maintenance Log, Appendix 3, found in the Misc. Appendices checklists on the Kirby Morgan website, may be used as a template to create blank pages to record all the maintenance performed.