Kirby Morgan®Deep Sea Diving Helmets

KM Diamond

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 Serial Number	Diamond Main Tube #
Diamond POD Serial #	Diamond Exhaust Serial #
Associated Equipment Serial #(s):	
Technician (print name):	

DIVER/TENDER - CHECK THE FOLLOWING:

Procedures	Initials
1) Turn off and bleed down gas supplies.	
 NOTE: Always use a 1 ¼" backup wrench on the Hose Fitting Adapter found on the Surface Bypass Valve Body. 2) Disconnect and cap or tape the Helmet Gas Connections and disconnect the communication wires. Cap or tape the Umbilical End. 	
3) Turn <i>(back)</i> SBV (Surface Bypass Valve) to the Open Circuit position.	
4) Verify all tie wraps (6) are in place & properly working.	
5) 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.	
6) Wash the exterior surface of the Helmet and its subassemblies with a solution of mild detergent and fresh water, then rinse. Inspect for signs of damage.	
7) Open Inhale Regulator Shroud Lid and remove the Regulator Cover Retainer Assembly. Wash the interior of the Demand Regulator with mild detergent and fresh water, then rinse thoroughly. Reassemble.	
8) Displace the earphones from retainers. If the interior of the Helmet has gotten wet, remove the earphone protective covers, wash with mild detergent solution, rinse with fresh water and allow to completely dry.	
9) Remove the microphone from the Diamond Oral Nasal Mask and remove mask (Remove Nose Block FIRST). Wash mask with a mild detergent solution and rinse with fresh water. For sanitizing procedures, refer to "Appendix 5" under Misc. Appendices.	
10) Wipe interior of the Helmet dry.	

Procedures	Initials
11) Rotate the Regulator Adjustment Knob fully out (counter clockwise). Verify that the Emergency Supply and Steady Flow Valves are closed and that the Open Circuit/OPR Valve is open.	
12) Remove Diamond Exhaust Regulator from helmet. Clean, disinfect , rinse and inspect IAW "General Preventative Maintenance" module. Use LP air to gently remove water from assembly.	
13) Verify that the SBV and its bracket are secured to the helmet shell. Tighten and secure if lose.	
14) Clean the Neck Dam and Locking Collar Assembly with a mild detergent solution. Clean the Neck Ring, and Pull Pin Assemblies with mild detergent solution, thoroughly rinse with fresh water.	
15) Wipe all surfaces with a clean, dry towel to remove water droplets. Allow to air dry.	
16) Cap or tape 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.	
17) Note any damage or discrepancies found during cleaning.	
Technician Signature: Date:	
Comments:	

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genuine KMDSI repair and replacement own repairs and inspections should on tions, maintenance, and repairs should tions and Maintenance Manual(s). Person receipts for additional proof of mainten or repairs arise, please contact Kirby Market	rtified KMDSI Repair Technician make all repairs and that only parts be used. Owners of KMDSI products that elect to do their ly do so if they possess the knowledge and experience. All inspectoe completed using the appropriate KMDSI user guide and Operators performing repairs should retain all replacement component nance history. Should any questions on procedures, components, organ Dive Systems, Inc., by telephone at (805) 928-7772 or via e-part of the contact Dive Lab, Inc., by telephone at (850) 235-2715 or via e-mail
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