

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.

Date: _____



Helmet Serial Number _____

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.	
 <p>Always use a 1 ¼" backup wrench on the Hose Fitting Adapter found on the Surface Bypass Valve Body.</p> <p>NOTE</p> <p>2) Disconnect and cap the Helmet Gas Connections and disconnect the communication wires. Cap the Umbilical End.</p>	
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 (<i>if water shroud is installed</i>).	
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.	
<p>7) Remove the Regulator Cover Retainer 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. Reassemble.</p>  <p>While rinsing the interior of the Demand Regulator DO NOT depress the Purge Button lever. This action might introduce foreign matter into the Inlet Valve and Seat.</p> <p>NOTE</p>	
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.	

Procedures	Initials
<p>9) Remove the microphone from the Diamond Oral Nasal Mask, oral nasal insert if it is being used, 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.</p>	
<p>10) Wipe interior of the Helmet dry.</p>	
<p>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.</p>	
<p>12) Remove Diamond Exhaust Regulator from helmet. Clean, disinfect, rinse and inspect IAW "General Preventative Maintenance" module. Shake as much water as possible from the valve interior and lightly apply LP air to gently remove water from assembly.</p>	
<p>13) Verify that the SBV and its bracket are secured to the helmet shell. Tighten and secure if lose.</p>	
<p>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. For Lock in Dress, ensure neck ring assembly is secured correctly to dry suit material and Dry suit neck seal is in good condition without damage.</p>	
<p>15) Wipe all surfaces with a clean, dry towel to remove water droplets. Allow to air dry.</p>	
<p>16) 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.</p>	
<p>17) Note any damage or discrepancies found during cleaning.</p>	

