

Kirby Morgan®
 Deep Sea Diving Helmets
 SuperLite® 17B

A2.4

Supervisors Equipment Checks Prior to Entry Into Water



NOTE

This checklist is intended to be used with both KMDSI SuperLite® 17B



NOTE

Helmet(s) being used in polluted waters, or extreme environments, will require inspection that is more frequent.

⚠ CAUTION

KMDSI strongly recommends the use of a Tender to assist the diver when “dressing-in”. The Tender should ensure the Helmet Liner is fastened to the Helmet Shell and the Chinstrap is properly fastened under the diver’s chin, once the Helmet is donned. After closing the Yoke/Neck Clamp Assembly, ensure that the safety pin is installed.

⚠ WARNING

These are recommended minimum checks when using Kirby Morgan Helmets or Masks. Additional checks may be required as dictated by the conditions and tasks being performed. Failure to perform in-water checks may result in serious injury or death.

⚠ CAUTION

All surface supplied diving with Kirby Morgan Helmets must include a fully functional, properly maintained Emergency Gas System (“EGS”). The EGS should be maintained in accordance with the applicable Modular Operations and Maintenance Manual(s).

Date: _____

Helmet Serial Number: _____

Regulator Serial Number/Model _____ No Serial Number

Supervisor (*print name*): _____

1. Supply Gas

SUPERVISOR - CHECK THE FOLLOWING:

| Procedures | Initials |
|--|----------|
| 1. SUPERVISOR: Ensure gas to the diver. | |

2. Check Breathing System

DIVER - CHECK THE FOLLOWING:

| Procedures | Initials |
|--|----------|
| 1. Open and close the Steady-Flow Valve to ensure proper operation. | |
| 2. Check breathing resistance. Set Demand Regulator Adjustment Knob for minimum inhalation effort. | |
| 3. Press Purge Button to check gas purge function. | |
| 4. Ensure Nose Block Device slides freely. | |
| 5. Ensure Emergency Valve opens and closes properly. Then, ensure Emergency Valve is closed and the Bail Out Cylinder Valve is open. | |

3. Check Communications

DIVER - CHECK THE FOLLOWING:

| Procedures | Initials |
|----------------------------------|----------|
| 1. Perform communications check. | |

4. Check Hot Water Supply *(If Applicable)*

TENDER - CHECK THE FOLLOWING:

| Procedures | Initials |
|---|----------|
| 1. Check hot water supply connections. Ensure topside hot water supply has been switched to diver and verify flow to hot water shroud and suit (if used). | |

5. Check the Dry Suit Inflation Hose *(If Applicable)*

TENDER - CHECK THE FOLLOWING:

| Procedures | Initials |
|---|----------|
| 1. Check dry suit Inflation Hose Connection. Ensure dry suit Inflation Valve and Exhaust Valve function properly. | |

6. Check Entire Rig

TENDER - CHECK THE FOLLOWING:

| Procedures | Initials |
|--|----------|
| 1. Soap and leak check Helmet/Mask gas fittings and connections, including Emergency Gas System. | |

7. Check Diver’s Entire Rig



On the SL 17B, this procedure will ensure the Neck Clamp w/Yoke Assembly is properly adjusted prior to descent.



All equipment must be adjusted properly and functioning correctly. The Helmet/Mask must be breathing easily and properly.

SUPERVISOR/TENDER - CHECK THE FOLLOWING:

| Procedures | Initials |
|---|----------|
| 1. On the SuperLite 17B, ensure the Rear Hinge Tab is fully engaged on the Alignment Sleeve. Using thumb on the bottom of Regulator Body, and middle finger on Neck Clamp, attempt to “pop” Neck Clamp w/Yoke Assembly from bottom rim of Helmet. This will confirm proper mating of the Neck Clamp/Yoke to helmet. | |
| 2. Ensure Safety Pin is secured properly through the Pull Pin Latch Catch Assembly. | |
| 3. Diver’s Safety Harness. | |
| 4. Umbilical strain release. | |
| 5. EGS Hose Quick Disconnect. | |
| 6. Boots, gloves, knife, and other accessories. | |
| 7. Helmet supply pressure: Maintain the minimum over-bottom gas supply pressure as specified in the Supply Pressure Requirements & Tables (SUPR) module for the type of demand regulator used and the supply system. | |

8. Check Breathing

DIVER - CHECK THE FOLLOWING:

| Procedures | Initials |
|--|----------|
| 1. Check to ensure helmet is breathing properly. | |



All equipment must be adjusted properly and functioning correctly. The Helmet/Mask must be breathing easily and properly.

Supervisor's Name (Print): _____

Supervisor's Signature: _____ Date: _____

Comments: _____

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 Opera-

tions 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, or contact Dive Lab, Inc., by telephone at (850) 235-2715 or via e-mail at divelab@divelab.com.



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.