

Kirby Morgan® Deep Sea Diving Helmets

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

A2.4.2

Supervisors Equipment Checks Prior to Entry Into Water

**NOTE**

This checklist is intended to be used with KMDSI SuperLite 17C, 17K, 27 and KM 37/SS, 47, 57, 77, 97. The diving supervisor or person appointed by the diving supervisor should use this checklist as a minimum prior to deploying divers.

**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 Chin Strap is properly fastened under the diver’s chin, once the Helmet is donned.

⚠ 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 Model: _____

Helmet Serial Number: _____

Regulator Serial Number/Model _____ ☐ No Serial Number

Associated Equipment Serial #(s): _____

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.	
6. Log the EGS cylinder pressure _____ psig.	

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

WARNING

Both Pull Pins must engage correctly or the Neck Dam Ring Assembly could flood, drowning may result.

ATTEMPT TO ROTATE PULL PINS, IF PIN ROTATES THIS IS AN INDICATION THAT PIN IS NOT CORRECTLY ENGAGED..

SUPERVISOR/TENDER - CHECK THE FOLLOWING:

Procedures	Initials
1. Ensure the sealed Pull Pins are fully engaged on the base of the Helmet Ring into the Locking Collar/Neck Pad Assembly	
2. Diver's Safety Harness.	
3. Umbilical strain release.	
4. EGS Hose Quick Disconnect is in locked position.	
5. Boots, gloves, knife, and other accessories.	
6. Helmet supply pressure, minimum 115 psig (8 bar).	

8. Check Breathing

DIVER - CHECK THE FOLLOWING:

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



NOTE

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

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 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, 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.