

**KIRBY MORGAN SUPERLITE DEEP SEA DIVING HELMET MODELS  
17A/B, 17C, 17K, 27, KM-37/SS, 47, 57, 77, 97  
KMB 18/28 Band Masks  
SUPERVISORS IN-WATER CHECKS  
APPENDIX A2.5**

**04-09-18**

**WARNING:** These are recommended minimum checks when using Kirby Morgan Helmets or Band 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. See Modular Operations and Maintenance Manual for air supply requirements.

**CAUTION:** 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 Modular Operations and Maintenance Manual(s).

**WARNING:** If diving is conducted with less than the minimum recommended supply pressure, the diver must tailor the work to prevent over breathing the system, resulting in exhaustion.

Date:
Helmet Serial #:
Associated Equipment Serial #(s):
Technician (print name):

<b>STEP</b>	<b>PROCEDURES</b>	<b>INITIALS</b>
<b>1. Check Breathing</b>	<b>Diver:</b> Ensure Helmet is breathing properly. Set the Demand Regulator Adjustment Knob for minimum inhalation effort. Report: Breathing OK	

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STEP	PROCEDURES	INITIALS
<b>2. Check Helmet/Equipment for Leaks</b>	<b>Diver:</b> Ensure Helmet/Mask is watertight. <b>NOTE: If the diver is wearing a dry suit, diver reports that a proper seal has been made after checking for water leakage.</b>	
<b>3. Maintain Gas Supply Over-Bottom Pressure</b>  <b>NOTE:</b> If the above over-bottom pressure cannot be supplied, the diver will have to tailor his workload to avoid exhaustion.  <b>NOTE:</b> All KMDSI Demand Regulator models and Side Block Assemblies have a maximum design pressure of 250 psig (17 bar) over-bottom.	<b>Console Operator:</b> Maintain minimum over-bottom gas supply pressure for depth, in accordance with the Modular O & M Manual for the type of helmet regulator & supply system.  <b>EXAMPLE: <u>Required over-bottom for depth: for SF 350, Depth X .445 + Over bottom pressure from chart below</u></b> ↓  0 - 60 fsw (0 - 18.3 msw), 90 psig (6.2 bar) 61 - 100 fsw (18.6 - 30.5 msw), 115 psig (7.9 bar) 101 - 132 fsw (30.8 - 40.2 msw), 135 psig (9.3 bar) 133 -165 fsw (40.6 - 50.3 msw), 165 psig (11.4 bar) 166 -220 fsw (50.6 - 67.1 msw), 225 psig (15.5 bar)	

Supervisor / Technician (Print) \_\_\_\_\_

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

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

KMDSI **highly** 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 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 [info@kirbymorgan.com](mailto:info@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)

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**NOTE:** Use your Maintenance and repair log book P/N 125-001, to record all the maintenance performed.

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