

**KIRBY MORGAN SUPERLITE DEEP SEA DIVING HELMET MODELS  
17 A/B, 17-C, 17-K, 27, AND KM-37  
SUPERVISORS IN-WATER CHECKS  
APPENDIX A2.5**

7-12-06

**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. See Chapter 2 of the KMDSI SuperLite 17A/B 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 applicable 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	

Kirby Morgan, SuperLite, Band Mask, KMB Band Mask, EXO, SuperMask, SuperFlow, and Rex are all registered trademarks of Kirby Morgan Dive Systems, Inc. Use of these terms to describe products that are not manufactured by KMDSI is not permitted without written permission from KMDSI.

© Copyright 1970-2006 Kirby Morgan Dive Systems, Inc. All rights reserved. This manual is made available for the express use of owner of this Kirby Morgan product. No part of this manual may be reproduced, stored in any retrieval system, or transmitted, or used in any form or by any means, whether graphic, electronic, mechanical, photocopy, or otherwise by technology known or unknown, without the prior written permission of Kirby Morgan Dive Systems, Inc.

Copyright 2003-2006, Dive Lab, Inc. All Rights Reserved.

Document: Checklist- SuperLite/KM- A2.5

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> The Demand Regulator and Side Block Assembly have a maximum design pressure of 225 psig (15.5 bar) over-bottom.	<b>Console Operator:</b> Maintain minimum over-bottom gas supply pressure for depth (fsw x 0.445) + required over bottom for depth.  Required over-bottom for depth: 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)  <b>NOTE: The above pressures and depths are not currently presented in all the Kirby Morgan Operations and Maintenance Manual(s) exactly as above. The above pressure recommendations pertain to all KMDSI SuperLite Helmets, KM Helmets and KMB Band Masks.</b>	

Technician 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 [dive@divelab.com](mailto:dive@divelab.com).

**NOTE:** The Maintenance Log, Appendix 3, of the Operations and Maintenance Manual may be used as a template to create blank pages to record all the maintenance performed.

Kirby Morgan, SuperLite, Band Mask, KMB Band Mask, EXO, SuperMask, SuperFlow, and Rex are all registered trademarks of Kirby Morgan Dive Systems, Inc. Use of these terms to describe products that are not manufactured by KMDSI is not permitted without written permission from KMDSI.

© Copyright 1970-2006 Kirby Morgan Dive Systems, Inc. All rights reserved. This manual is made available for the express use of owner of this Kirby Morgan product. No part of this manual may be reproduced, stored in any retrieval system, or transmitted, or used in any form or by any means, whether graphic, electronic, mechanical, photocopy, or otherwise by technology known or unknown, without the prior written permission of Kirby Morgan Dive Systems, Inc.

Copyright 2003-2006, Dive Lab, Inc. All Rights Reserved.

Document: Checklist- SuperLite/KM- A2.5