

**KIRBY MORGAN AIR CONTROL SYSTEM-5  
(KMACS-5)  
MONTHLY MAINTENANCE, AND INSPECTION CHECKLIST**

**APPENDIX A2.2**

01-31-17

This inspection is the minimum recommended maintenance and **should be** performed at least **ONCE A MONTH** KMAC(s) in continuous use (used for more than 20 diving days in a month) or at least every **TWO (2) MONTHS**, with KMAC(s) used less than 10 diving days a month.

**NOTE:** KMAC(s) being used around polluted waters, or 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:** Check the Kirby Morgan web site for the latest product improvement bulletins concerning the KMACS-5

**NOTE:** This checklist should be used in conjunction with the KMDSI Modular Operations and Maintenance Manual.

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

<b>KMACS Panel &amp; Case</b>	
<b>PROCEDURES</b>	<b>INITIALS</b>
1. Complete a general inspection of all KMAC panel and exterior components, clean as necessary. Guidance Modular O & M Manual.	
2. Inspect umbilical supply, and pneumofathometer fittings for wear and damage. Change fittings and components as necessary if any damage is found. Guidance Modular O & M Manual.	

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3. Inspect gauges for signs of damage. Guidance Modular O & M Manual.	
4. With no pressure supplied to the system, check the HP selector valve for smooth operation.	
<b>NOTE:</b> If HP selector valve does not operate smoothly it must be replaced.	
5. Check the LP umbilical shut off valves for smooth operation by opening and closing. Guidance Modular O & M Manual	
<b>NOTE:</b> If LP selector valves (s) do not operate smoothly they must be repaired/replace as necessary. Guidance Modular O & M Manual	
6. With no pressure on the system, open and close the pneumo valves one full turn to insure smooth operation.	
<b>NOTE:</b> If pneumo valves (s) do not operate smoothly they must be repaired or replace as necessary. Guidance Modular O & M Manual	
7. Inspect the HP supply hoses for signs of damage in the form of fitting slippage, cuts cracking or any form of damage.	
8. Inspect the Yokes/Din connectors for signs of damage or contamination.	
9. Rotate the HP regulator hand wheel counter clockwise several revolutions to insure the hand wheel rotates smoothly then rotate the hand wheel clockwise fully.	
<b>Note:</b> If regulator hand wheel does not operate smoothly, regulator will require servicing. Guidance Modular O & M Manual	
10. Test the communications unit, charge the battery if necessary. Guidance Modular O & M Manual	

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**Recorded service in maintenance log book**    YES \_\_\_\_\_    NO \_\_\_\_\_

NOTE: KMDSI strongly recommends that only trained certified KMDSI technicians perform overhauls. The below statement is intended to discourage non trained and non certified persons from posing as certified KMDSI technicians.

I \_\_\_\_\_ hereby certify that I have performed the work required in the A2.2 and that I am a certified KMDSI / Dive Lab technician.

Print name \_\_\_\_\_ Signature \_\_\_\_\_

Date \_\_\_\_\_ ID# \_\_\_\_\_ Date of Certification \_\_\_\_\_

I \_\_\_\_\_ hereby certify that I have performed the work required in the A2.2 and I am not a certified KMDSI / Dive Lab technician

Technician / Owner: Print name \_\_\_\_\_

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 KMDSI Modular 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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