

**KIRBY MORGAN AIR CONTROL SYSTEM-5
(KMACS-5)
DAILY PRE-USE, AND INSPECTION CHECK LIST**

APPENDIX A2.3

01-31-17

Caution: Only persons that have received specific training in the operation and use of the KMACS / DCSII should operate the system. Persons that have not received proper training in diver life support systems should receive training before using the KMACS / DCS II.

NOTE: KMACS / DCS II being used around polluted waters, or extreme environments, will require more frequent inspection.

NOTE: This inspection is the minimum recommended maintenance and **should be** performed before the commencement of each diving day.

NOTE: Check the Kirby Morgan web site for the latest product improvement bulletins concerning the KMACS-5

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

| KMACS Panel & Case | |
|--|-----------------|
| PROCEDURES | INITIALS |
| 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. | |
| 3. Inspect gauges for signs of damage. Zero the two pnero gauges and ensure the HP and LP gauges read zero. Guidance Modular O & M Manual. | |

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| KMACS PANEL & CASE | |
|---|-----------------|
| PROCEDURES | INITIALS |
| 4. With no pressure supplied to the system, check the HP selector valve for smooth operation. | |
| 5. Check the LP umbilical shut off valves for smooth operation by opening and closing. Guidance Modular O & M Manual | |
| 6. With no pressure on the system, open and close the pneumo valves one full turn to ensure smooth operation. | |
| 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 clockwise several revolutions to insure the hand wheel rotates smoothly then rotate the hand wheel counter clockwise fully. | |
| Note: 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 | |

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.

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

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