

OPERATOR/USER TRAINING ON KMB 18/28

ENABLING OBJECTIVES

STUDENT ENABLING OBJECTIVES

- ✓ Perform set-up, adjustment and pre-dive functional inspection procedures for Kirby Morgan Band Masks; KMB 18 and KMB 28 in accordance with the applicable Operations and Maintenance Manuals and the following checklists:
 - A2.2 Monthly Maintenance
 - A2.3 Daily Set-up and Functional Checklist
 - A2.4 Supervisor's Equipment Checks Prior to Entry
 - A2.5 Supervisor's Equipment Checks In-Water
 - A2.6 Post Dive Cleaning

HOOD SPIDER and RETAINING CLAMP

- ✓ Upon instruction of this section the student will be able to:
 - a) Describe/perform a proper inspection of the Hood Assembly.
 - b) Describe/perform a thorough inspection of the Spider Assembly.
 - c) Describe/Perform a thorough inspection of the Clamp Assembly.
 - d) Explain what conditions will hasten aging of the Hood and Spider rubber components.
 - e) Explain the Band Keeper Kit, which is now standard on all Band Masks. All older Masks must be retrofitted.

FRAME COMPONENT ASSEMBLY

- ✓ Upon instruction of this section the student will be able to:
 - a) Explain/demonstrate a proper visual inspection of the Frame Assembly.
 - b) Explain the physical and material differences between the KMB 18 and KMB 28.
 - c) Explain the Monthly, and Daily maintenance.
 - d) Explain the purpose of the Oral Nasal Mask and Valve Assembly and the reason a correctly installed Valve is in the sealing surface out position. The student will also be able to elaborate upon the dangers involved with incorrectly installing the Valve, not using genuine KMDSI parts, or just not having an Oral Nasal Mask or Valve installed.
 - e) Demonstrate proper inspection of the Whisker Assembly.
 - f) State the advantages/disadvantages and limitations of the Tri Valve exhaust and the reasons.
 - g) Conduct an inspection on the Defogger and EGS Valves and explain "flats" and be able to point out what to look for regarding the serviceability of the control knobs.
 - h) Perform Main Exhaust/Water Dump Valve inspection, thoroughly describing, "seating surface".
 - i) Describe/perform proper inspection or required maintenance of communications system.

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SIDE BLOCK/DEMAND REGULATOR

- ✓ Upon instruction of this section the student will be able to:
 - a) Demonstrate/perform the two different ways of checking the One-Way Valve and explain which test is the most stringent and why.
 - b) Demonstrate how to remove the Demand Regulator Cover to inspect, clean in accordance with recommended procedure, inspect and re-assemble, adjust, fine tune.
 - c) Demonstrate how to properly perform an inspection on the Demand Regulator Diaphragm and state “satisfactory” criteria.
 - d) Explain the purpose/reason for cleaning Oral Nasal Mask and Demand Regulator components with germicidal cleaning solutions.

EMERGENCY GAS SUPPLY

- ✓ Upon instruction of this section the student will be able to:
 - a) Conduct a thorough inspection of all EGS components including the maintenance records to ensure maintenance is in compliance with manufacturers recommendations.
 - b) Demonstrate/perform both testing and adjusting on the First Stage Over-Pressure Relief Valve.
 - c) Check/demonstrate/perform the correct recommended setting of the Over-Bottom of the First Stage Regulator for the Emergency Gas Supply (EGS) Cylinder.
 - d) Demonstrate/perform proper inspections of Harness Assembly, pointing out trouble areas of high wear.