

Certified AirMask Repair Education Class

1.5 day Initial Class

Introduction

- Instructor and student welcome and introductions
- Orientation of C.A.R.E. Program
- Course administration
- Layout of C.A.R.E. manual

SCBA Theory

- Theory of operation
- Design concepts
- Function of sub-assemblies

MSA Air Masks

- Current design SCBA overview
- SCBA sub-assemblies

Facepieces

- Overview of current models
- Disassembly and inspection process
- Reassembly and troubleshooting

Mask Mounted Regulators

- Regulator Overview
- Theory of operation
- Disassembly, inspection and function of specific parts
- Fork height check and adjustments

1st Stage Regulator

- Regulator overview
- Theory of operation and flow scheme
- Disassembly and inspection process
- Reassembly and trouble shooting of 1st stage
- 1st stage regulator adjustment
- Critical torque values, application of adhesives, lubrication and sealants

Audi-larm primary alarm

- Alarm overview
- Theory of operation and air flow scheme
- NIOSH and NFPA requirements
- Disassembly and inspection of key components
- Reassembly and trouble shooting

Cylinder Valve

- Current design
- Disassembly and trouble shooting
- Burst Disc and Safety plug
- Reassembly and critical torques values

MSA SCBA accessories

- Universal rescue connection review
- HUD Heads up Display for NFPA 1981 2002 (if applicable)

Performance testing (Day 2)

- Overview of Posi-Chek 3
- SCBA flow test hardware set up
- Flow test and adjustments
- Complete SCBA test based on NFPA requirements

Course Summary (Day 2)

- **Written open book/open note evaluation**
- Complete course evaluation final administration and wrap up