

Certified AirMask Repair Education Class

3.5 day Comprehensive Class

Introduction

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

SCBA Theory

- Theory of operation of SCBA
- Design concepts
- Overview of sub-assemblies

MSA SCBA Overview

- Discussion of model types – current and discontinued

Facepieces

- Overview of model types
- Disassembly and inspection process of each model
- Reassembly and troubleshooting

Mask Mounted 2nd Stage Regulators

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

1st Stage Reducer Regulators

- Regulator overview
- Theory of operation and flow scheme of different models
- 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 Bell primary alarms

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

Cylinder Valves

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

SCBA accessories

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

Airline Escape Respirators

- Overview of Model types
- Theory of operation
- Disassembly, inspection, and troubleshooting

Performance testing

- Overview of Posi-Chek 3
- SCBA and SAR flow test hardware set up
- Flow test and adjustments
- Complete SCBA and SAR testing

Course Summary

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