

Certified AirMask Repair Education Class

1 day G1 Upgrade Class

Introduction

- Instructor and student welcome and introductions
- Review of G1 C.A.R.E. Program
- Course administration
- Layout of G1 C.A.R.E. manual

SCBA Theory

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

MSA G1 SCBA

- G1 SCBA overview
- Sub-assemblies

Facepiece

- Disassembly and inspection process
- Reassembly and troubleshooting

Regulator

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

Pressure Reducer

- Regulator overview
- Theory of operation and flow scheme
- Disassembly and inspection process
- Reassembly and trouble shooting
- Making adjustments

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
- Quick connects or CGA threaded
- Disassembly and trouble shooting
- Burst Disc and Safety plug
- Reassembly and critical torques values

Accessories

- Universal Rescue Connection Adapter
- HUD Heads up Display

Performance Testing

- Overview of Posi3 USB
- SCBA flow test set up
- Flow test and adjustments

Course Summary

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