

## **Certified AirMask Repair Education Class**

### **1.5 day Initial G1 Class**

#### **Introduction**

- Instructor and student welcome and introductions
- Orientation of C.A.R.E. G1 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**

- Overview
- 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**

- 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**

- Quick connect(s) 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 (Day 2)**

- Overview of Posi3 USB
- 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