2.1.2 Installing Gooseneck Rail and Sight on M16A2 Rifle

a) Install the Gooseneck Rail (20) to the carrying handle by means of the Bolt (21). Hand tighten loosely.
b) Install the Clamp (13) from inside the carrying handle and push it forward over the Gooseneck Rail (see Figure A, below).
c) Mount the Screw (15) to the Clamp (see Figure B below).
d) Alternately tighten the Screw (15) and the Stop Screw (14), by starting with Screw (15).
e) Tighten the Bolt (21).
f) Assemble the Sight with the QRP2 mount (8) by means of the two short Screws (6) and the Allen Wrench (18). Tighten firmly. A “light” Loctite could be used on the screw threads.
g) Install the Sight to the Gooseneck Rail (20) by using the Knob, Torque (12). Ensure that the Sight is correctly positioned and that the recoil stop fits into the groove on the Rail. To ensure that Sight is secure, tighten Knobs, Torque (12) until it snaps twice.
h) When using Lens Covers, ensure that they are correctly positioned and can easily be opened/removed.
i) Finally, make sure that the Knobs, Torque (12) is firmly tightened around the weapon rail and that all the screws for the Gooseneck Rail and Clamp are only tightened.
j) Complete zeroing according to 2.2.1.
k) Should the Gooseneck Rail and/or Clamp screws need to be retightened, check the zeroing after tightening.

2.2 OPERATING PROCEDURES

2.2.1 Zeroing

The Sight is delivered in a centered position. Normally this means that only small adjustments are necessary, providing that the weapon rail (Picatinny Rail) or carrying handle is properly aligned.

CAUTION: Do not continue to adjust windage and elevation mechanisms if you encounter resistance.

The elevation adjustment screw is located on top of the sight, while the windage screw is located on the right side.
a) Open (remove) front and rear Lens Covers.
b) Turn the Knob (12) until the red dot has a sufficient intensity to contrast against the target.
c) Remove the Caps Adjustment (1) are tightened before exposing the sight to sea spray, mud, snow or before immersing the sight in water. Hand tighten only. Keep Lens Covers closed when sight is not being used. Clean lenses with lens paper/cloth and wipe the sight dry as soon as possible after exposure to water, sea spray, mud or snow.
d) Dust storms and sand storms. Keep Lens Covers closed when sight is not being used.
e) High altitudes. No special procedures required.

NOTE: Each click of the Screw Adjustment (11) corresponds to a 16 mm movement of the point of impact at 100 meters, (4 mm at 25 meters and 32 mm at 200 meters or 12’ at 80 yds or 12 MOA).

Chapter IV - Trouble shooting procedures

4.1 RED DOT DOES NOT APPEAR

- To clean lenses: mist up the lenses and clean them with a soft piece of cloth.
- To clear away debris (sand, grass etc): blow away the dirt.

4.2 IMPOSSIBLE TO ZERO

- To clean lenses refer to CAUTION in chapter III.

Chapter V - Maintenance

a) This Sight does not require any particular maintenance while used under normal conditions.
b) Under severe weather conditions please refer to chapter III.
c) Keep Lens Covers closed whenever the sight is not in use.
d) Warehouse storage: Remove battery and allow lens surfaces to dry completely (if wet) before closing the lens covers.
e) To clean lenses refer to CAUTION in chapter III.
1. **PRESENTATION**

An Aimpoint CompM4 Reflex Sight is a rugged precision red dot sight developed mainly for military and law enforcement applications. It is designed for the "two eyes open" method of sighting, which greatly enhances situational awareness and target acquisition speed. Thanks to the parallax-free design, the dot follows the movement of the user's eye while remaining fixed on the target, eliminating any need for centering. The Sight is available for unlimited-eye relief and is compatible with 1st and 2nd generation night vision devices.

The CompM4 Sight is equipped with a high-quality battery, which is rated for over 8 years of continuous use at NVD setting. It is compatible with the well-known CompM2 model with significantly longer battery life and increased ruggedness through reinforced design. The Sight combines the superior accuracy and ease of use of the well-known CompM2 model with a rugged design and operation under normal conditions. It is suitable for installation on most types of weapons, including the CompM4 with Mount QRP2 and Spacer is optimized for the M4 Carbine. For the M16A2 Rifle with carrying handle, the CompM4 and Mount QRP2 (without the Spacer) will be assembled to the Gooseneck Rail (20), which mounts to the carrying handle.

### Battery life

- **Battery life:**
  - Over 8 years of continuous (day and night) use at pos 12 of 16 and over 3 years at pos 13 of 16.
  - Typically 500 000 h at NVD setting
- **Configuration:**
  - M4 Configuration: 135mm (5.3 )
  - M4 Configuration: 115mm (4)
  - M4 Configuration: 75mm (3)
  - M4 Configuration: 65mm (2.6)
  - M4 Configuration: 39mm (1.5)
  - M4 Configuration: 34mm (1.35)
  - M4 Configuration: 24mm (0.95)
- **Width:**
  - M4 Configuration: 77mm (3)
  - M4 Configuration: 70mm (2.8)
  - M4 Configuration: 61mm (2.4)
  - M4 Configuration: 39mm (1.4)
- **Height:**
  - M4 Configuration: 370g (13.1 oz)
  - M4 Configuration: 61mm (2.4"
  - M4 Configuration: 25mm (1"

### Mounting

- **Mounting:**
  - Rail and Clamp for M16A2: 155g (5.5 oz)
  - M16A2 Configuration: 370g (13.1 oz)
  - M4 Configuration: 395g (14 oz)
  - M4 Configuration: 315g (11.1 oz)
  - M4 Configuration: 80mm (3.2"
- **Height of optical axis:**
  - M4 Configuration: 175mm (6.9"
  - M4 Configuration: 165mm (6.5"
  - M4 Configuration: 155mm (6.1"
- **Max temperature range:**
  - M4 Configuration: 45°C to -70°C (-59°F to 160°F)

### Water resistance

- **Water resistance:**
  - Submersible to 20 m (65 ft)
- **MOA:**
  - Minute Of Angle
  - 1MOA = 30 mm at 100 meters or ~1" at 100 yards
- **NVD: Night Vision Device**
  - 1NOA = 30 mm at 100 meters or ~1" at 100 yards
  - On top surface of Picatinny Rail

### 1.3 Location and description of major components

- **See figure to the right**
  - 1. Cap Adjustment (2 pcs)
  - 2. Strap (for Cap Adjustment) (2 pcs)
  - 3. Battery (AA size)
  - 4. Screws (for Mount QRP2) (2 pcs)
  - 5. Strap (for Cap Battery)
  - 6. Screws (for Mount QRP2) (2 pcs)
  - 7. Mount QRP2
  - 8. Spacer
  - 9. Knob, Torque (on Mount QRP2)
  - 10. Rail (Gooseneck Rail)
  - 11. Screw Adjustment (2 pcs)
  - 12. Knob, Torque (on Mount QRP2)
  - 13. Clamp, (for Rail)
  - 14. Screw (for Rail)
  - 15. Lens Cover (Bikini)
  - 16. Screw Stopping (for Clamp)
  - 17. Lens Cover (Bikini)
  - 18. Screw (for Screws pos. 6 and 7)
  - 19. Allen Wrench (for screw pos. 15)
  - 20. Rail (Gooseneck Rail)
  - 21. Bolt (for Rail)

### 2.1 ASSEMBLY AND PREPARATION FOR USE

**WARNING:**

- Ensure the weapon is unloaded and the safety selector is in the "safe" position before attempting to install, remove or perform maintenance on the sight.

**2.1.1 Installing Battery**

- Remove Cap Battery by turning clockwise, unsnap, Hand tighten only. Using tools could damage equipment.
- Verify that red dot is present by turning the Knob Switch (10) clockwise.

**2.1.2 Installing Sight on the weapon**

- The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail. Depending on type of weapon, the optical line of sight (the centre of the lens system) may have different optimal height over the mounting rail. The CompM4 with Mount QRP2 (8) and Spacer (9) is optimised for the M4 Carbine. For the M16A2 Rifle with carrying handle, the CompM4 and Mount QRP2 (without the Spacer) are to be assembled to the Gooseneck Rail (20), which mounts to the carrying handle.

**2.1.2.1 Installing Sight on the M4 Carbine**

- a) Assemble the Sight with the Mount QRP2 (8) and the Spacer (9) by means of the two long screws (7) and the Allen Wrench (18). Tighten firmly.
- A "light" Loctite could be used on the screw threads.
- b) Install the Sight to the weapon rail by using the Knob, Torque (12). Ensure that the Sight is correctly positioned and that the recoil stop fits into a groove on the Picatinny Rail. To ensure that Sight is secure, tighten Knob, Torque (12) until it snaps twice.
- c) When using Lens Covers, ensure that they are correctly positioned and can be easily opened/removed.
- d) Finally, make sure that the Knob, Torque (12) is firmly tightened around the weapon rail.
- e) Complete zeroing according to 2.2.1 below.

**2.2 Operation under normal conditions**

- **Battery life:**
  - Over 8 years of continuous (day and night) use at pos 12 of 16 and over 3 years at pos 13 of 16.
  - Typically 500 000 h at NVD setting
- **Configuration:**
  - M4 Configuration: 135mm (5.3 )
  - M4 Configuration: 115mm (4)
  - M4 Configuration: 75mm (3)
  - M4 Configuration: 65mm (2.6)
  - M4 Configuration: 39mm (1.5)
  - M4 Configuration: 34mm (1.35)
  - M4 Configuration: 24mm (0.95)
- **Width:**
  - M4 Configuration: 77mm (3)
  - M4 Configuration: 70mm (2.8)
  - M4 Configuration: 61mm (2.4)
  - M4 Configuration: 39mm (1.4)
- **Height:**
  - M4 Configuration: 370g (13.1 oz)
  - M4 Configuration: 61mm (2.4"
  - M4 Configuration: 25mm (1"

### 2.2.1 Zeroing

- **Zeroing:**
  - 1MOA~ 30 mm at 100 meters or ~1" at 100 yards
- **Accuracy:**
  - Typically 500 000 h at NVD setting
  - Over 8 years of continuous (day and night) use at pos 12 of 16 and over 3 years at pos 13 of 16.
  - Typically 500 000 h at NVD setting
- **Configuration:**
  - M4 Configuration: 135mm (5.3 )
  - M4 Configuration: 115mm (4)
  - M4 Configuration: 75mm (3)
  - M4 Configuration: 65mm (2.6)
  - M4 Configuration: 39mm (1.5)
  - M4 Configuration: 34mm (1.35)
  - M4 Configuration: 24mm (0.95)
- **Width:**
  - M4 Configuration: 77mm (3)
  - M4 Configuration: 70mm (2.8)
  - M4 Configuration: 61mm (2.4)
  - M4 Configuration: 39mm (1.4)
- **Height:**
  - M4 Configuration: 370g (13.1 oz)
  - M4 Configuration: 61mm (2.4"
  - M4 Configuration: 25mm (1"

**1.3 Location and description of major components**

- **See figure to the right**
  - 1. Cap Adjustment (2 pcs)
  - 2. Strap (for Cap Battery) (2 pcs)
  - 3. Battery (AA size)
  - 4. Screws (for Mount QRP2) (2 pcs)
  - 5. Strap (for Cap Battery)
  - 6. Screws (for Mount QRP2) (2 pcs)
  - 7. Screws (for Mount with Spacer) (2 pcs)
  - 8. Mount QRP2
  - 9. Spacer
  - 10. Rail (Gooseneck Rail)
  - 11. Screw Adjustment (2 pcs)
  - 12. Knob, Torque (on Mount QRP2)
  - 13. Clamp, (for Rail)
  - 14. Screw (for Rail)
  - 15. Lens Cover (Bikini)
  - 16. Screw (for Screws pos. 6 and 7)
  - 17. Allen Wrench (for screw pos. 15)
  - 20. Rail (Gooseneck Rail)
  - 21. Bolt (for Rail)
CHAPTER I

1.1 PRESENTATION

Aimpoint CompM4 Reflex Sight is a rugged precision red dot sight developed mainly for military and law enforcement applications.

Aimpoint red dot sights are designed for the “two eyes open” method of sighting, which greatly enhances situational awareness and target acquisition speed. Thanks to the parallax-free design, the dot follows the movement of the user’s eye while remaining fixed on the target, eliminating any need for centering. Further, the Sight allows for unlimited eye-relief and is compatible with 1st and 2nd generation night vision devices.

The CompM4 Sight is using a AA size battery, which together with the extremely low power consumption gives an unequalled battery life.

The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail.

Depending on type of weapon, the optical line of sight (the centre of the lens system) may have different optimal height over the mounting rail. The CompM4 with Mount QRP2 (8) and Spacer (9) is optimised for the M4 Carbine.

2.1.2 Installing Sight on the weapon

The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail.

Depending on type of weapon, the optical line of sight (the centre of the lens system) may have different optimal height over the mounting rail. The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail.

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2.1.2 Installing Sight on the weapon

The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail.

Depending on type of weapon, the optical line of sight (the centre of the lens system) may have different optimal height over the mounting rail. The CompM4 with Mount QRP2 (8) and Spacer (9) is optimised for the M4 Carbine.

2.1.2.1 Installing Sight on the M4 Carbine

a) Align the Sight with the Mount QRP2 (8) and the Spacer (9) by means of the rail groove on the Picatinny Rail. To ensure that Sight is secure, tighten Knob, Torque (12) until it snaps twice.

b) Insert the Sight to the weapon rail using the Knob, Torque (12). Ensure that the Sight is correctly positioned and that the recoil stop fits into a groove on the Picatinny Rail. To ensure that Sight is secure, tighten Knob, Torque (12). Ensure that the Sight is correctly positioned and that the recoil stop fits into a groove on the Picatinny Rail.

c) When using Lense Covers, ensure that they are correctly positioned and can easily be opened/removed.

d) Finally, make sure that the Knob, Torque (12) is firmly tightened around the weapon rail.

e) Complete zeroing according to 2.2.1 below.

CHAPTER II - Operation under normal conditions

2.1 ASSEMBLY AND PREPARATION FOR USE

WARNING: Ensure the weapon is unloaded and the safety selector is in the “safe” position before attempting to install, remove or perform maintenance on the Sight.

2.1.1 Installing Battery

a) Remove Cap Battery (4) by turning clockwise.

b) Insert a AA-size battery with negative (-) end toward cap.

Caution: while replacing battery (not necessary when the sight is new), remove Lense Covers, inspect that the Oring is present and not damaged. Failure to do so could result in water leakage into the battery compartment.

2.1.2 Installing Sight on the weapon

The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail.

Depending on type of weapon, the optical line of sight (the centre of the lens system) may have different optimal height over the mounting rail. The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail.

2.1.2.1 Installing Sight on the M4 Carbine

a) Align the Sight with the Mount QRP2 (8) and the Spacer (9) by means of the rail groove on the Picatinny Rail. To ensure that Sight is secure, tighten Knob, Torque (12) until it snaps twice.

b) Insert the Sight to the weapon rail using the Knob, Torque (12). Ensure that the Sight is correctly positioned and that the recoil stop fits into a groove on the Picatinny Rail. To ensure that Sight is secure, tighten Knob, Torque (12). Ensure that the Sight is correctly positioned and that the recoil stop fits into a groove on the Picatinny Rail.

c) When using Lense Covers, ensure that they are correctly positioned and can easily be opened/removed.

d) Finally, make sure that the Knob, Torque (12) is firmly tightened around the weapon rail.

e) Complete zeroing according to 2.2.1 below.
CHAPTER I
1.1 PRESENTATION
Aimpoint CompM4 Reflex Sight is a rugged precision red dot sight developed mainly for military and law enforcement applications.

1.2 SPECIFICATION
The Sight has a Spacer system that gives optimal height of the line of sight and additional Carry Handle Gooseneck Rail needs to be mounted on the M16A2. The Sight is provided with a torque knob, Quick Release (QRP2) mount. An enhanced ruggedness through reinforced design.

The CompM4 Sight is using a AA size battery, which together with the extremely low power consumption gives an unequalled battery life. The CompM4 combines the superior accuracy and ease of use of the well-known CompM2 model with significantly longer battery life and increased reliability through reinforced design.

The Sight allows for unlimited eye-relief and is compatible with 1st, 2nd and 3rd generation night vision devices.

The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail. Depending on type of weapon, the optical line of sight (the centre of the lens system) may have different optimal height over the mounting rail. The CompM4 with Mount QRP2 (8) and Spacer (9) is optimised for the M4 Carbine. For the M16A2 Rifle with carrying handle, the CompM4 and Mount QRP2 (8) (without the Spacers) is delivered to the gosposten Rail (20), which mounts to the carrying handle.

Aimpoint red dot sights are designed for the “two eyes open” method of sighting, which greatly enhances situational awareness and target acquisition speed. Thanks to the parallax-free design, the dot follows the movement of the user’s eye while remaining fixed on the target, eliminating any need for centering. Further, the Sight allows for unlimited eye-relief and is compatible with 1st, 2nd and 3rd generation night vision devices.

Aimpoint CompM4 Reflex Sight is a rugged precision red dot Sight developed mainly for military and law enforcement applications.

Airsofters can easily be opened/removed.

Bolt (for Rail) 21. Bolt (for Rail)

Carbine. For the M16A2 Rifl e with carrying handle, the CompM4 and Mount QRP2 (8) (without the Spacers) is delivered to the gosposten Rail (20), which mounts to the carrying handle.

1.3 Location and description of major components
See figure to the right

Cap Adjustment (2 pcs) 1. Cap Adjustment (2 pcs)

Battery (AA size) 3. Battery (AA size)

Battery (AA size) 2.2.1 Installing Sight on the weapon
The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail. Depending on type of weapon, the optical line of sight (the centre of the lens system) may have different optimal height over the mounting rail. The CompM4 with Mount QRP2 (8) and Spacer (9) is optimised for the M4 Carbine. For the M16A2 Rifle with carrying handle, the CompM4 and Mount QRP2 (8) (without the Spacers) is delivered to the gosposten Rail (20), which mounts to the carrying handle.

Using tools could damage equipment.

c) Install Cap Battery by turning clockwise until snug. Hand tighten only.

Under normal conditions

WARNING: Ensure the weapon is unloaded and the safety selector is in the “safe” position before attempting to install, remove or perform maintenance on the sight.

1.4 ASSEMBLY AND PREPARATION FOR USE
Ensure the weapon is unloaded and the safety selector is in the “safe” position before attempting to install, remove or perform maintenance on the sight.

2.1.2 Installing Sight on the weapon
The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail. Depending on type of weapon, the optical line of sight (the centre of the lens system) may have different optimal height over the mounting rail. The CompM4 with Mount QRP2 (8) and Spacer (9) is optimised for the M4 Carbine. For the M16A2 Rifle with carrying handle, the CompM4 and Mount QRP2 (8) (without the Spacers) is delivered to the gosposten Rail (20), which mounts to the carrying handle.

The Sight has a Spacer system that gives optimal height of the line of sight (optical axis) on different weapons.

2.1 ASSEMBLY AND PREPARATION FOR USE

 Switch, dot brightness: 66 positions: 7 NVD, 8 daylight and 1 Extra Bright

Battery: 1. Cap Adjustment (2 pcs)

“safe” position before attempting to install, remove or perform maintenance on the sight.

1.4 ASSEMBLY AND PREPARATION FOR USE

WARNING: Ensure the weapon is unloaded and the safety selector is in the "safe" position before attempting to install, remove or perform maintenance on the sight.

2.1 ASSEMBLY AND PREPARATION FOR USE
Warning: Ensure the weapon is unloaded and the safety selector is in the "safe" position before attempting to install, remove or perform maintenance on the sight.

1. Location and description of major components
See figure to the right

Cap Adjustment (2 pcs) 1. Cap Adjustment (2 pcs)

Battery (AA size) 3. Battery (AA size)

Battery (AA size) 2.2.1 Installing Sight on the weapon
The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail. Depending on type of weapon, the optical line of sight (the centre of the lens system) may have different optimal height over the mounting rail. The CompM4 with Mount QRP2 (8) and Spacer (9) is optimised for the M4 Carbine. For the M16A2 Rifle with carrying handle, the CompM4 and Mount QRP2 (8) (without the Spacers) is delivered to the gosposten Rail (20), which mounts to the carrying handle.

Using tools could damage equipment.

c) Install Cap Battery by turning clockwise until snug. Hand tighten only.

Under normal conditions

WARNING: Ensure the weapon is unloaded and the safety selector is in the “safe” position before attempting to install, remove or perform maintenance on the sight.

2.1.2 Installing Sight on the weapon
The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail. Depending on type of weapon, the optical line of sight (the centre of the lens system) may have different optimal height over the mounting rail. The CompM4 with Mount QRP2 (8) and Spacer (9) is optimised for the M4 Carbine. For the M16A2 Rifle with carrying handle, the CompM4 and Mount QRP2 (8) (without the Spacers) is delivered to the gosposten Rail (20), which mounts to the carrying handle.

The Sight has a Spacer system that gives optimal height of the line of sight (optical axis) on different weapons.

2.1 ASSEMBLY AND PREPARATION FOR USE

Ensure the weapon is unloaded and the safety selector is in the “safe” position before attempting to install, remove or perform maintenance on the sight.

1.4 ASSEMBLY AND PREPARATION FOR USE

WARNING: Ensure the weapon is unloaded and the safety selector is in the "safe" position before attempting to install, remove or perform maintenance on the sight.

2.1 ASSEMBLY AND PREPARATION FOR USE
Warning: Ensure the weapon is unloaded and the safety selector is in the “safe” position before attempting to install, remove or perform maintenance on the sight.
1.2 **SPECIFICATION**

Aimpoint CompM4 Reflex Sight is a rugged precision red dot sight developed mainly for military and law enforcement applications.

Aimpoint red dot sights are designed for the "two eyes open" method of sighting, which greatly enhances situational awareness and target acquisition speed. Thanks to the parallax-free design, the dot follows the movement of the user's eye while remaining fixed on the target, eliminating any need for centering. Further, the Sight allows for unlimited eye-relief and is compatible with 1st and 2nd generation night vision devices.

The CompM4 Sight is equipped with a unique assembly, which offers the ultimate low profile and minimal footprint of an unengaged eyepiece. It is a suitable replacement for many sighting systems. The Sight combines the superior accuracy and ease of use of the well-known CompM2 model with significantly longer battery life and increased range. Further, the Sight allows for unlimited eye-relief and is compatible with 1st, 2nd and 3rd generation night vision devices.

The Sight has a Spacer system that gives optimal height of the line of sight (optical axis) on different weapons.

### 1.2.1 **COMP M4**

#### 1.2.1.1 **Installing Battery**

- **Battery Type:**
  - Over 8 years of continuous (day and night) use at pos. 12 of 16 and over 3 years at pos 13 of 16.
  - Typically 500 000 h at NVD setting
  - M4 Configuration: 128mm (5.0")
  - M4/ML configuration (M4 and M16A2): 135mm (5.3")
  - M4 Configuration: 72mm (2.8")
  - M4 Configuration: 61mm (2.4")
  - M4 Configuration: 395g (14 oz)
  - QRP2 Mount: 379g (13.5 oz)
  - Rail and Clamp for M16A2: 155g (5.5 oz)
  - Range 22 ± 100 meters (32 ± 100 yards), in windage and elevation: 1.0° ± 4 mm at 25 meters ± 16 mil at 100 meters = 12° at 80 yards = 12°/M4
  - On a M-Lok 1913 Picatinny Rail. A Spacer is available for optimal height 30 mm (1") with QRP mount and spacer, 30 mm (1.5") with QRM mount and spacer.
  - Maximum temperature range: -45 ºC to +70 ºC (-50 ºF to +160 ºF), in storage and operation.

#### 1.2.1.2 **Installing Sight on the weapon**

- **Material - lens covers:** Rubber, black
- **Material - housing:** Extruded, high strength aluminum
- **Surface finish:** Hard Anodized, black to dark graphite grey, matte finish
- **Optical coating:** Anti-Reflective coating, all surfaces
- **Optical magnification:** 1X
- **Eye relief:** Unlimited, no centering required
- **Dot size, Switch, dot brightness:**
  - 16 positions: 7 NVD, 8 daylight and 1 Extra Bright
  - Battery: One AA size battery (rechargeable 1.2V), alkaline 1.5V or Lithium 3.7V (acceptable voltage 1.2 – 5.0 V)
- **Height of optical axis:**
  - M4 Carbine Configuration
  - M4 Configuration: 70mm (2.8")
  - M4 Configuration: 61mm (2.4")
  - M4 Configuration: 59mm (2.3")

- **Magnification:**
  - 1X

- **Height of rail system:**
  - M4 Carbine Configuration: 70mm (2.8")
  - M4 Configuration: 135mm (5.3")
  - M4 Configuration: 61mm (2.4")
  - M4 Configuration: 395g (14 oz)

- **Mounting:**
  - Rail (Gooseneck Rail): 20. Rail (Gooseneck Rail)
  - Rail (Gooseneck Rail): 20. Rail (Gooseneck Rail)

- **Adjustment:**
  - Rail (Gooseneck Rail): 20. Rail (Gooseneck Rail)
  - Rail (Gooseneck Rail): 20. Rail (Gooseneck Rail)

- **Water resistance:**
  - Submersible to 25 m (75 ft)

- **MOA:**
  - Minute of Angle 1 MOA = 30 mm at 100 meters or ~1" at 100 yards
  - Night Vision Device NVD: 30 mm at 100 meters or ~1" at 100 yards

### 1.3 **Location and description of major components**

- **See figure to the right**
- **Cap Adjustment (2 pcs)**
- **Strip for Cap Battery (2 pcs)**
- **Battery (AA size)**
- **Cap Battery**
- **Strip for Cap (battery)**
- **Screws (for Mount) (2 pcs)**
- **Screws (for Mount with Spacers) (2 pcs)**
- **Mount QRP2**
- **Spacer**
- **Knob, Torque (on Mount QRP2)**
- **Clamp, (for Rail)**
- **Rail Adjustment (2 pcs)**
- **Knob, Torque (on Mount QRP2)**
- **Clamp, (for Rail)**
- **Allen Wrench (for screw pos. 6 and 7)**
- **Lena Cover (Black)**
- **Anti-Reflection Device (ARD)**
- **Allen Wrench (for screws pos. 6 and 7)**
- **Allen wrench (for screw pos. 15)**
- **Rail (Gooseneck Rail)**
- **Bolt (for Rail)**

### 2.1 **ASSEMBLY AND PREPARATION FOR USE**

**WARNING:**
- Ensure the weapon is unloaded and the safety selector is in the "safe" position before attempting to install, remove or perform maintenance on the sight.

**2.1.1 Installing Battery**

- **Replace Cap Battery (4) by turning it counter clockwise.**
- **A "light" Loctite could be used on the screw threads.**
- **Install the Sight to the weapon rail by using the Cap Battery (3).**
- **Install the Sight to the weapon rail.**
- **Can easily be opened/removed.**
- **Ensure that the Sight is correctly positioned and that the recoil stop fits into a groove on the Picatinny Rail.**
- **To ensure that Sight is secure, tighten Knob, Torque to 8-10 Nm.**
- **A "light" Loctite could be used on the screw threads.**
- **When using Lena Covers, ensure that they are correctly positioned and can easily be opened/removed.**
- **Finally, make sure that the Knob, Torque (12) is firmly tightened around the weapon rail.**
- **Complete zeroing according to 2.2.1 below.**

**2.1.2 Installing Sight on the weapon**

- **The CompM4 Sight is designed for installation on most types of weapons, which have a MIL-Std 1913 Picatinny Rail.**
- **Depending on type of weapon, the optical line of sight (the centre of the lens system) may have different optimal height over the mounting rail.**
- **The CompM4 with Mount QRP2 (8) and Spacer (9) is optimised for the M4 Carbine.**
- **For the M4 Rifles with carrying handle, the CompM4 and Mount QRP2 (8) (without the Spacers) will be assembled to the Gooseneck Rail (20), which mounts to the carrying handle.**

**2.1.2.1 Installing Sight on the M4 Carbine**

- **Aimpoint Sight with Mount QRP2 (8) and the Spacer (9) by means of the two long screws (7) and the Allen Wrench (17).**
- **A "light" Loctite could be used on the screw threads.**
- **Install the Sight to the weapon rail by using the Knob, Torque (12).**
- **Ensure that the Sight is correctly positioned and that the recoil stop fits into a groove on the Picatinny Rail.**
- **To ensure that Sight is secure, tighten Knob, Torque to 8-10 Nm.**
- **A "light" Loctite could be used on the screw threads.**
- **Complete zeroing according to 2.2.1 below.**

**CHAPTER 8 - Operation under normal conditions**

**2.2.1 Zeroing**

- **From the "safe" position, Sight may be zeroed by moving it to the right or left and adjusting as necessary.**
- **Zeroing is not required unless the Sight is subjected to a shock or impact.**
- **Zeroing can be performed using the off/on switch to move the dot to the desired position.**
- **Caution:**
  - Do not attempt to install or remove the Sight with the knob or rail adjustment.**
  - Ensure that the Sight is securely mounted to the weapon rail.**
  - Failure to do so could result in water leakage into the battery compartment.
2.1.2 Installing Gooseneck Rail and Sight on M16A2 Rifle

a) Install the Gooseneck Rail (20) to the carrying handle by means of the Bolt (21). Hand tighten loosely only.
b) Install the Clamp (13) from inside the carrying handle and push it forward over the Gooseneck Rail (see Figure A, below).
c) Mount the Screw (15) to the Clamp (see Figure B below).
d) Alternately tighten the Screw (15) and the Slip Screw (14), by starting with Screw (15).
e) Tighten the Bolt (21).
f) Assemble the Sight with the QRP2 mount (8) by means of the two short Screws (6) and the Allen Wrench (18). Tighten firmly. A "light" Looctite could be used on the screw threads.
g) Install the Sight to the Gooseneck Rail (20) by using the Knob, Torque (12) until it snaps twice. Fits into the groove on the Rail. To ensure that Sight is secure, tighten Knobs, Torque (12) until it snaps twice.
h) When using Lens Covers, ensure that they are correctly positioned and can easily be opened/removed.
i) Install the Gooseneck Rail and/or Clamp screws to be used on the screw threads.

2.1.3 Lens Covers

a) Open (remove) front and rear Lens Covers.
b) Turn the Knob (12) counter clockwise.
c) Remove the Caps Adjustment (1) for windage and elevation.
d) Insert adjustment tool (coin, screwdriver, knife) or cartridge casing in adjustment screw slot and turn as follows:
   • To move the point of impact to the right, turn windage adjustment screw clockwise
   • To move the point of impact to the left, turn windage adjustment screw counter clockwise
   • To move the point of impact up, turn elevation adjustment screw clockwise
   • To move the point of impact down, turn elevation adjustment screw counter clockwise

e) Confirm zeroing by firing at least three shots at a zeroing target. Check points of impact on zeroing target to confirm accuracy and repeat above procedure if required.
f) After initial firing, ensure that the Mount and Sight are secure.
g) Turn Knob Switch (10) to OFF position (counter clockwise).
h) Close front and rear Lens Covers.

CHAPTER III - Operating procedures

2.2 OPERATING PROCEDURES

2.2.1 Zeroing

The Sight is delivered in a centered position. Normally this means that only small adjustments are necessary, providing that the weapon rail (Picatinny Rail) or carrying handle is properly aligned.

CAUTION:
Do not attempt to change windage and elevation mechanisms if you encounter resistance.

The elevation adjustment screw is located on top of the sight, while the windage screw is located on the right side.

a) Open (remove) front and rear Lens Covers.
b) Turn the Knob (12) counter clockwise.
c) Move the Sight (1) left or right until the red dot has had a sufficient intensity to contrast against the target.
d) Remove the Caps Adjustment (1) for windage and elevation.

NOTE: Each click of the Screw Adjustment (11) corresponds to a 16 mm movement of the point of impact at 100 meters. (4 mm at 25 meters and 32 mm at 200 meters or 12” at 80 or 15 MDA).

CAUTION:
Check points of impact on zeroing target to confirm accuracy and repeat above procedure.

- To clean lenses: mist up the lenses and clean them with a soft piece of cloth.
- To clear away debris (sand, grass etc): blow away the dirt.
- To clean lenses: mist up the lenses and clean them with a soft piece of cloth.

CHAPTER IV - Trouble shooting procedures

4.1 RED DOT DOES NOT APPEAR

- Discharged battery: Replace battery.
- Battery installed incorrectly: Remove and reinstall battery with (+) toward cap.
- Battery is not making contact: Clean contact surfaces and reinstall battery.
- Defective Knob Switch: Notify dealear/armourer.

4.2 IMPOSSIBLE TO ZERO

Adjustment screw is at its limit:
• Impact point is moving: Check Mount and weapon rail (or carry handle) to barrel.
• Adjustment screw is at its limit: Check alignment of rail (or carry handle) to barrel.

CHAPTER V - Maintenance

a) This Sight does not require any particular maintenance while used under normal conditions.
b) Under severe weather conditions please refer to chapter III.
c) Keep Lens Covers closed whenever the sight is not in use.
d) Warehouse storage: Remove battery and allow lens surfaces to dry completely (if wet) before storing the lens covers.
e) To clean lenses refer to CAUTION in chapter III.
### 2.2 OPERATING PROCEDURES

#### 2.2.1 Zeroring

The Sight is delivered in a centered position. Normally this means that only small adjustments are necessary, providing that the weapon rail (Picatinny Rail) or carrying handle is properly aligned.

**CAUTION:** Do not continue to adjust windage and elevation mechanisms if you encounter resistance.

- **The elevation adjustment screw** is located on top of the sight, while the windage screw is located on the side.
  a. Open (remove) front and rear Lens Covers.
  b. Turn the Knob (12) counter clockwise until the red dot has a sufficient intensity to contrast against the target.
  c. Remove the Caps Adjustment (11) from the rail.
  d. Place adjustment tool in the adjustment screw slot and turn as follows:
    - To move the point of impact to the right, turn windage adjustment screw clockwise.
    - To move the point of impact to the left, turn windage adjustment screw counter clockwise.
    - To move the point of impact up, turn windage adjustment screw counterclockwise.
    - To move the point of impact down, turn windage adjustment screw clockwise.
  e. Confirm zeroing by firing at least three shots at a zeroing target. Check points of impact on zeroing target to confirm accuracy and repeatability above procedure if required.
  f. After final firing, ensure that the Mount and Sight are secure.
  g. Turn Knob Switch (10) to OFF position (counter clockwise).
  h. Close front and rear Lens Covers.

#### 2.2.2 Installing Gooseneck Rail and Sight on M16A2 Rifle

- a) Install the Gooseneck Rail (20) to the carrying handle by means of the two short Screws (6) and the Allen Wrench (18). Tighten firmly. A "light" Loctite could be used on the screws.
  - b) Install the Clamp (13) from inside the carrying handle and push it forward over the Gooseneck Rail (see Figure A, below).
  - c) Mount the Screw (15) to the Clamp (see Figure B below).
  - d) Alternately tighten the Screw (15) and the Slip Screw (14), by starting with Screw (15).
  - e) Tighten the Bolt (21).
  - f) Assemble the Sight with the QRP2 mount (8) by means of the two short Screws (12) and the Allen Wrench (18). Ensure that the Sight is correctly positioned and that the recoil stop fits into the groove on the Rail. To ensure that Sight is secure, tighten Knob, Torque (12) until it snaps twice.
  - g) Mount the Screw (15) to the Clamp (see figure B below).
  - h) When using Lens Covers, ensure that they are correctly positioned and can easily be opened/removed.
  - i) Finally, make sure that the Knobs, Torque (12) are firmly tightened around the weapon rail and that all the screws for the Gooseneck Rail and Screws are only tightened.
  - j) Complete zeroing according to 2.2.1.
  - k) Should the Gooseneck Rail and/or Clamp screws need to be retightened, check the zeroing after tightening.

#### 2.2.3 Lens Covers

- a) This Sight does not require any particular maintenance while used under normal conditions.
  - b) Under severe weather conditions please refer to chapter III.
  - c) Keep Lens Covers closed whenever the sight is not being used.
  - d) Wheelhouse storage: Remove battery and allow lens surfaces to dry completely (if wet) before closing the lens covers.
  - e) Extreme cold.
  - f) Extreme heat (moist or dry).
  - g) Extreme wind or sand storms.
  - h) Extreme altitude conditions.

**NOTICE:**
- To prevent lens covers from closing while the sight is being used.
- No special procedures required.
- No special procedures required.
- No special procedures required.
- To clear away debris (sand, grass etc.) blow away the dirt.
- To clean lenses: mist up the lenses and clean them with a soft piece of cloth.

**CHAPTER IV - Trouble shooting procedures**

#### 4.1 RED DOT DOES NOT APPEAR

- **Discharged battery:** Replace battery.
- **Battery installed incorrectly:** Remove and reinstall battery with (-) toward cap.
- **Battery is not making contact:** Clean contact surfaces and reinstall battery.
- **Discharged battery:** Replace battery.

#### 4.2 IMPOSSIBLE TO ZERO

- **Adjustment screw is at its limit:** Check alignment of rail (or carry handle) to barrel.
- **Impact point is moving:** Check Mount and weapon rail (or carry handle) to barrel.
- **Adjustment screw is at its limit:** Check alignment of rail (or carry handle) to barrel.
- **Impact point is moving:** Check Mount and weapon rail (or carry handle) to barrel.
- **Adjustment screw is at its limit:** Check alignment of rail (or carry handle) to barrel.
- **Impact point is moving:** Check Mount and weapon rail (or carry handle) to barrel.

**CHAPTER V - Maintenance**

- a) This Sight does not require any particular maintenance while used under normal conditions.
- b) Under severe weather conditions please refer to chapter III.
- c) Keep Lens Covers closed whenever the sight is not in use.
- d) Warehouse storage: Remove battery and allow lens surfaces to dry completely (if wet) before closing the lens covers.
- e) To clean lenses refer to CAUTION in chapter III.
2.1.2 Installing Gooseneck Rail and Sight on M16A2 Rifle

a) Install the Gooseneck Rail (20) to the carrying handle by means of the Screw (15) and the Allen Wrench (18). Tighten firmly. A "light" Loctite could be used on the screw threads.
b) Install the Clamp (13) from inside the carrying handle and push it forward over the Gooseneck Rail (see Figure A, below).
c) Mount the Screw (15) to the Clamp (see Figure B below).
d) Alternately tighten the Screw (15) and the Slip Screw (14), by starting with Screw (15).
e) Tighten the Bolt (21).
f) Assemble the Sight with the QRP2 mount (8) by means of the two short Screws (6) and the Allen Wrench (18). Tighten firmly. A "light" Loctite could be used on the screw threads.
g) Install the Sight to the Gooseneck Rail (20) by using the Knob, Torque (12) until it snaps twice. Fit the Sight into the groove on the Rail. To ensure that Sight is secure, tighten Knobs, Torque (12) until it snaps twice.
h) When using Lens Covers, ensure that they are correctly positioned and can easily be opened/removed.
i) Finally, make sure that the Knobs, Torque (12) are firmly tightened around the weapon rail and that all the screws for the Gooseneck Rail and Clamp are only tightened.

2.1.3 Lens Covers

a) Install the Gooseneck Rail and/or Clamp screws to be tightened.
b) Turn the Knob Switch (10) clockwise until the red dot has a sufficient intensity to contrast against the target.
c) Remove the Caps Adjustment (1) are tightened before exposing the sight to sea spray, mud, or snow.
d) Caps Adjustment (1) for windage and elevation.
e) Confirm zeroing by firing at least three shots at a zeroing target.

2.2 OPERATING PROCEDURES

2.2.1 Zeroing

The Sight is delivered in a centered position. Normally this means that only small adjustments are necessary, providing that the weapon rail (Picatinny Rail) or carrying handle is properly aligned.

CAUTION: Do not continue to adjust windage and elevation mechanisms if you encounter resistance.

The elevation adjustment screw is located on top of the sight, while the windage screw is located on the right side.

a) Open (remove) front and rear Lens Covers.
b) Insert adjustment tool (coin, screwdriver, knife) or cartridge casing in adjustment screw slot and turn as follows:
- To move the point of impact to the right, turn windage adjustment screw clockwise.
- To move the point of impact to the left, turn windage adjustment screw counter clockwise.
- To move the point of impact up, turn elevation adjustment screw counter clockwise.
- To move the point of impact down, turn elevation adjustment screw clockwise.

a) Check Mount and weapon rail (or carry handle) stability.

Impact point is moving: Check Mount and weapon rail (or carry handle) stability.

b) Defective Knob Switch: Notify dealer/armourer.
c) Battery is not making contact: Clean contact surfaces and reinstall battery.
d) Battery installed incorrectly: Remove and reinstall battery with (-) toward cap.
e) Battery is not making contact: Check clean surfaces and reinstall battery.
f) Detective Knob Switch: Notify dealers/armourer.

2.2.2 Operation under extreme conditions

- Extreme cold.
- Extreme heat (moist or dry).
- Extreme cold might shorten battery life.
- No special procedures required.
- Keep Lens Covers closed when sight is not being used.
- To clean lenses: mist up the lenses and clean them with a soft piece of cloth.
- Dust storms and sand storms. Keep Lens Covers closed when sight is not being used.
- High altitudes. No special procedures required.

CAUTION: The lenses shall never be cleaned with fingers but with lens paper/ cloth. The lenses shall never be cleaned with fingers but with lens paper/cloth available.

CHAPTER IV - Trouble shooting procedures

4.1 RED DOT DOES NOT APPEAR

- To clean lenses: mist up the lenses and clean them with a soft piece of cloth.
- To clear away debris (sand, grass etc): blow away the dirt.
- To clean lenses: mist up the lenses and clean them with a soft piece of cloth.

4.2 IMPOSSIBLE TO ZERO

Adjustment screw is at (if) limit
- Impact point is moving: Check alignment of rail (or carry handle) to barrel.
- Battery is not making contact: Check clean surfaces and reinstall battery.

Defective Knob Switch: Notify dealers/armourer.

CHAPTER V - Maintenance

a) This Sight does not require any particular maintenance while used under normal conditions.
b) Under severe weather conditions please refer to chapter III.
c) Keep Lens Covers closed whenever the sight is not in use.
d) Warehouse storage: Remove battery and allow lens surfaces to dry completely (if wet) before storing the lens covers.
e) To clean lenses refer to CAUTION in chapter III.