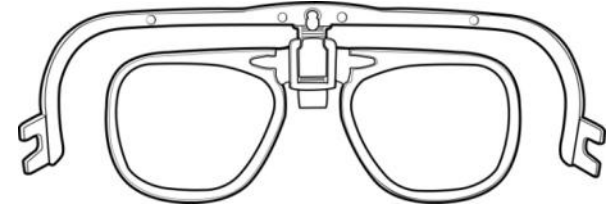


Vision Correction Assembly



Installation

1. Reach inside facepiece and hold nosecup away from vision correction assembly
2. Place the vision correction support frame on the stand-off and push it down
3. Flex the facepiece in the temple strap area on the left or right sides of the mask; gently push the support frame-mounting tabs into the vision correction mounting socket.

Vision Correction Assembly

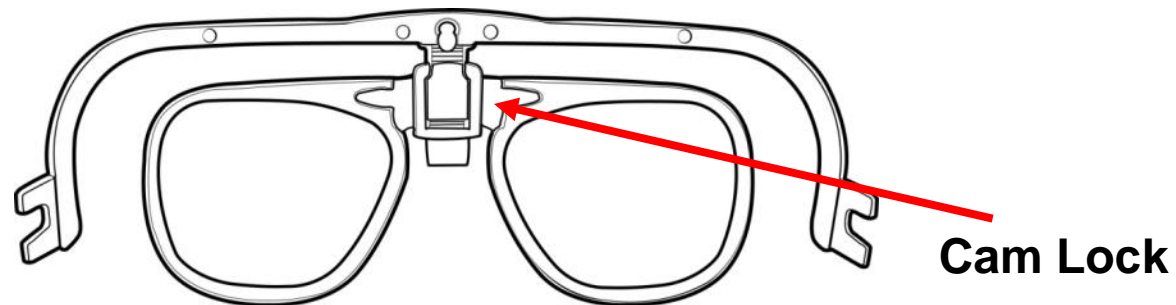
Removal

1. Hold nosecup away from vision correction assembly
2. Push the vision correction support frame up to remove from the stand-off
- 3.
4. Flex the facepiece in the temple strap area on the left or right sides of the mask
5. Gently pull the vision correction mounting tabs from the socket



Vision Correction Adjustment

1. Don the mask; Eyes should be centered but if not determine which direction the adjustment should be made – up or down
2. Doff the mask
3. Loosen the spectacle frame assembly cam lock
4. Slide frame assembly up or down to adjust
5. Lock in place with cam lock
6. Don and recheck adjustment



Changing filter side

- The C50 allows for LH and RH filter configuration
- Filter plug can only be removed used the Avon filter plug removal tool
- Insert tool into plug and unscrew anti-clockwise to remove
- Inspect gasket, if damaged replace
- Insert filter plug into opposite filter mount after inspecting gasket
- Use filter plug tool to tighten plug in a clockwise direction
- Tighten well
- Leak test mask prior to re-use

This is a level 2 trained technician task



Filter plug



**Filter plug
removal tool**

Avon Protection - Cadillac MI

Avon Protection - Baltimore MD

Avon Protection - Melksham UK

Avon ISI - Lawrenceville GA

Military Masks
& Filters

R&D & Government
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C50 Protective Mask

Cleaning and Sanitizing



Cautions, Warnings & Notes

CAUTION

DO NOT use a high-pressure hose to clean mask, it may damage components.

CAUTION

DO NOT use hot water to clean the mask. Damage to the mask may result. Use warm (comfortable to the touch) water.

WARNING

DO NOT use tissue paper or a paper towel to remove dirt or moisture from front module cover, outlet valve, or outlet valve seat. Paper may break up and lodge in outlet valve area causing leakage.

NOTE

Masks are to be cleaned as often as is required. However, **MASK MUST BE CLEANED AND SANITIZED BEFORE TRANSFERRING TO ANOTHER USER.**

Use only potable water to clean mask.

Cleaning may be performed by the operator but must be closely supervised and inspected by the NBC NCO or other trained personnel.

Types of Cleaning & Sanitizing

- Light Cleaning
- Heavy Cleaning/Sanitizing

Supplies Required

- Brush, scrub
- Bulb, aspirator
- Calcium hypochlorite (HTH)
- Cleaning compound, optical lens
- Cloth, cheesecloth
- Gloves, chemical and oil
- Isopropyl rubbing alcohol
- Pail, utility
- Soap, toilet

Mask Preparation

1. Remove mask assembly
2. Remove the VPU if attached
3. Remove dynamic microphone and microphone adapter
4. Remove the filter.
5. Remove the hood if attached
6. Remove drink coupler from its housing.
7. Remove inlet valve disc
8. Remove greasy or oily substances with alcohol

Light Cleaning

1. Using cheesecloth Clean:
 - Facepiece
 - Inlet valve disc
 - Filter

2. Rinse by wiping with cheesecloth

Heavy Cleaning

1. Remove all components and immerse and agitate until all sand and dirt has been removed
2. Rinse in clear, warm water.
3. Dry with cheesecloth or allow to air dry.
4. Perform drink tube procedures (will discuss next slide)
5. Install inlet valve disc in filter mount assembly.
6. Replace components
7. Perform function checks
8. Repack mask carrier

Drink System Cleaning

1. Fill the canteen with water replace cap.
2. Connect the drink coupler and open the shut off valve.
3. Hold the mask upside down and allow water to flow through the drinking system. Repeat twice.
4. Remove the canteen cap blow from the canteen through the mouthpiece
5. Remove the drink coupler from the canteen cap/Camelbak
6. Check the drinking system for proper function.

Sanitizing the Mask

1. Assure that calcium hypochlorite is fully dissolved
2. Remove all components and immerse in sanitizing solution for 5 minutes; then agitate 3 minutes.
3. Rinse in clear, warm water.
4. Dry with cheesecloth or allow to air dry.
5. Perform drink tube procedures
6. Install *new* inlet valve disc
7. Replace components
8. Perform function checks.
9. Repack mask carrier.

Sanitizing the Drink System

1. Fill canteen/Camelbak with calcium hypochlorite solution
2. Position facepiece face-up and connect the drink coupler
3. Open the shut off valve and invert canteen/Camelbak above facepiece.
4. Squeeze canteen/Camelbak to force the sanitizing solution through the quick disconnect drink coupler.
5. Lower canteen/Camelbak to upright position or squeeze sides to vent canteen.
6. Rinse twice with clear water using the same process.
7. Remove the coupler and blow through the mouthpiece using the bulb aspirator.
8. Dry all parts with cheesecloth or allow to air dry.

Cleaning the Mask Carrier/Individual Equip. Carrier

1. Soak brush in pail of cool water then shake to remove water.
2. Empty mask carrier/accessory pouch.
3. Remove dirt and foreign matter.
4. Use a damp/dry brush to clean exterior
5. Ensure the carrier, accessory pouch and mask components are completely dry before repacking mask.

Operation and Storage Conditions

- Prior to issuing, the mask and filters should be stored in their original packaging.
- Storage temperatures should be room temperature (normal warehouse storage typically 15°C-25°C)
- Once the mask has been issued, it should be stored in its carry bag.
- Avoid placing your mask where it may get crushed or damaged by heavy items.
- Avoid long exposures to temperature extremes

Operation and Storage Conditions

- Your FM12 mask is capable of operating within the temperature range -25°C to $+70^{\circ}\text{C}$. ($\sim -40^{\circ}\text{F}$ to $\sim 150^{\circ}\text{F}$)
- While operational and your mask is not being worn, it should be kept in its carry bag.
- You should avoid carrying any other items in your carry bag that may damage your mask.
- Avoid crushing your mask by sitting on it or placing it under other objects

Summary

As a level 2 Operator, you should now know how to:

- Properly size and fit a C50 correctly
- Properly don and doff your mask
- Be aware of the importance of the filter
- Correctly clean your mask
- Inspect and change replaceable components

Summary

- Your C50 will save your life, but only if you look after it correctly and you follow the training you have been given
- If you have any questions in the future please contact Avon Protection Systems directly or through our Web Site:
www.avon-protection.com





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