



SOTR LITE

Special Operations Tactical Respirator

OPERATOR'S MANUAL



For Individual Respiratory Protection

This product is covered by one or more patents.
For more information visit www.gentexcorp.com/patents

G055-1050-01 REV-A

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INTRODUCTION

ABOUT YOUR SOTR LITE

The Ops-Core Special Operations Tactical Respirator (SOTR) Lite is a half-mask respirator designed to provide protection against a wide range of oil and non-oil based particulate contaminants encountered by Special Operations forces during training and in operational environments. The SOTR Lite offers 99.97% filtration efficiency against airborne particulates including lead, asbestos, lubricant mist, and explosive gunfire residue.

SOTR VERSION

SOTR Lite without microphone and communications cable, head harness only: G055-1000-05

SOTR LITE KIT INCLUDES

(1) SOTR Lite, (1) Particulate Filter, (1) Head Harness



Head Harness



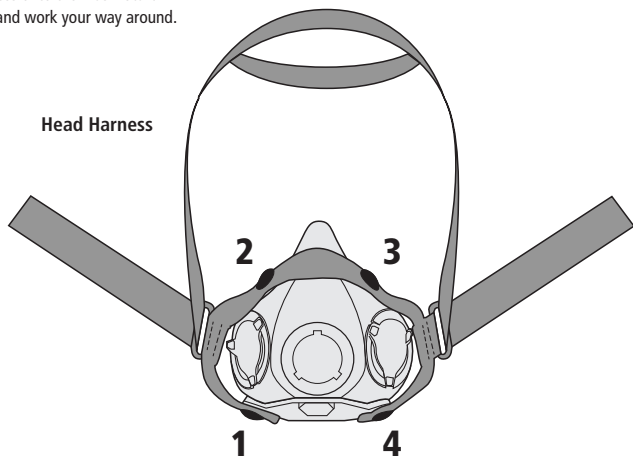
HARNESSES SETUP

HARNESSES CONFIGURATIONS

The SOTR Lite comes with a Head Harness. Other harnesses are available (sold separately).

1 TO ATTACH HARNESSES

Snap the harness onto the mask. Start with one end and work your way around.



2 TO REMOVE HARNESSES

Unsnap the harness from the mask. The snaps are tight at first but break in quickly.



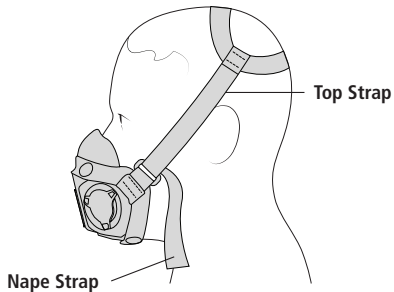
FITTING

HEAD HARNESS CONFIGURATION

The head harness attaches to the head with support straps and Velcro.

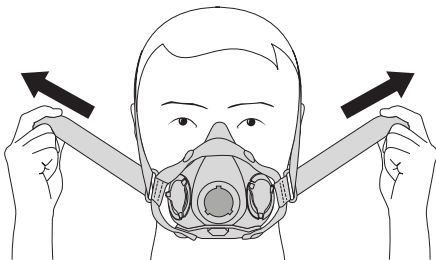
1 POSITION STRAP ON HEAD

Separate Velcro nape strap and place top strap on crown of head.



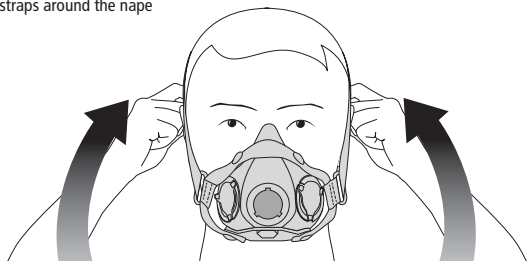
2 POSITION SOTR ON FACE

While letting the SOTR Lite hang, position the mask on your face and grab the nape straps as shown.



3 PULL STRAPS AROUND HEAD

Uniformly pull the Velcro nape straps around the nape of your neck.

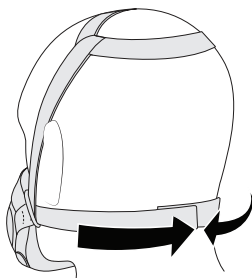


FITTING

4 SECURE VELCRO NAPE STRAPS

Secure Velcro nape straps to each other as shown.

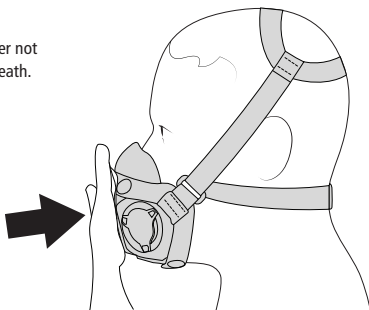
CAUTION: Over-tightening mask can cause discomfort and/or leakage.



5 CHECK FACE SEAL

Check seal by plugging inhalation opening (filter not installed yet) and attempting to take a deep breath. Mask should collapse uniformly on face.

If necessary, adjust placement of SOTR Lite and/or Velcro nape straps accordingly to ensure seal (repeat steps 1-5).

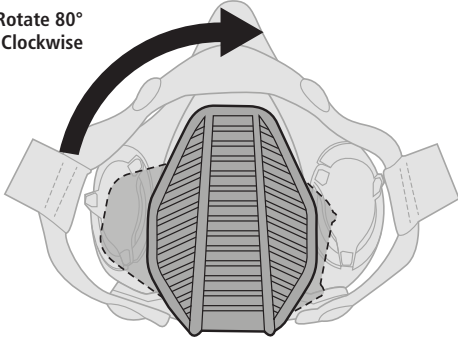


FILTER INSTALLATION

FILTER INSTALLATION

To install the filter, align the tabs to the corresponding slot openings on the back of the filter and rotate the filter 80° clockwise until the filter is in the vertical position.

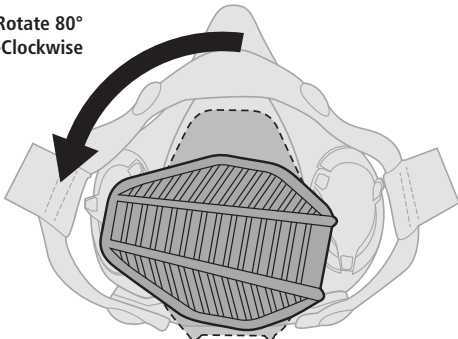
Rotate 80°
Clockwise



FILTER REMOVAL

To remove, rotate the filter 80° counter-clockwise and then pull the filter away from the mask.

Rotate 80°
Counter-Clockwise



MAINTENANCE SCHEDULE

SOTR LITE MASK MAINTENANCE SCHEDULE

- 1 Clean the mask with 70% isopropyl alcohol and let dry.
- 2 Check that the snaps are in working condition.
- 3 Clean the Velcro of dust and dirt by using pressurized air.
- 4 Visually check the snaps, exhalation valves, inhalation valve, and filter gasket for signs of damage.
- 5 Visually check the SOTR Lite facepiece for any signs of damage.
- 6 Check that both harnesses work properly and do not have any damage.
- 7 Visually check the microphone and conduct operational checks of the microphone.

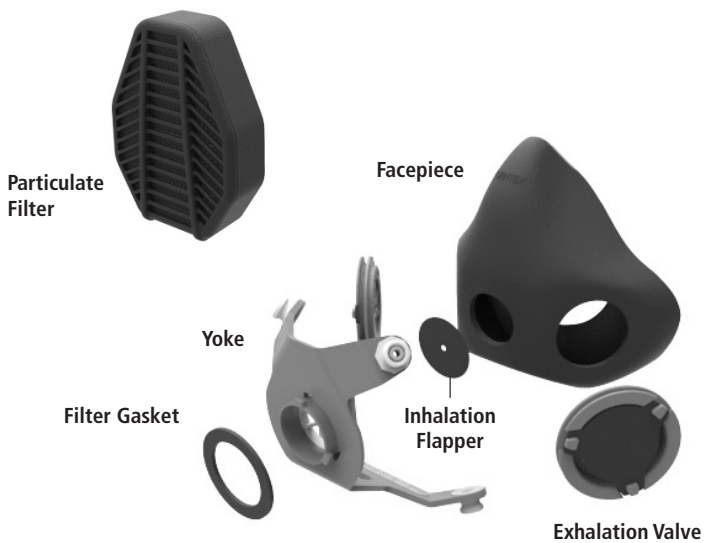
NOTE: If any defects are found, the damaged components should be replaced before use.

SOTR FILTER MAINTENANCE SCHEDULE

- 1 Always start your training or operation with a new filter.
- 2 Once the filter becomes difficult to breathe through, discard the filter* and replace with a new one.
- 3 Visually check the filter gasket on the front of the yoke for any signs of damage.
- 4 Replace the filter gasket after 50 filter changes (or earlier if damage is observed).

NOTE: *Dispose of the filter according to your unit's recommendation. The filter will contain hazardous elements and must be disposed of accordingly. Local, state, and/or federal disposal regulations may apply.

REPLACEMENT PARTS



Head Harness



REPLACEMENT PARTS

Part Name	Part Number	Qty Needed per Mask
SOTR Lite	G055-1000-05	1
P100 Particulate filter	G055-1005-02	1
Head harness	G055-1024-02	1
Exhalation valve	G055-1023-01	2
Inhalation flapper	G055-1033-01	1
Filter gasket	G055-1004-01	1
Yoke assembly	G055-1003-02	1
Non-communications facepiece	G055-1014-02	1

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