



6000 Series Respirator Half Facepiece

*User Instructions for 3M™ 6100 (Small), 07024 (Small),
6200 (Medium), 07025 (Medium), 6300 (Large), 07026
(Large) Half Facepiece
(Keep these instructions for reference)*

*07024, 07025, 07026 are catalog numbers only. NIOSH approved 3M™ 6100
(Small), 6200 (Medium), 6300 (Large) Half Facepiece.*

GENERAL SAFETY INFORMATION

Intended Use

The 3M 6000 Series Half Facepiece Respirators are designed to help provide respiratory protection against certain airborne contaminants when used in accordance with all use instructions and limitations and applicable safety and health regulations.



WARNING

This respirator helps protect against certain airborne contaminants. **Misuse may result in sickness or death.** For proper use, see supervisor, or User Instructions, or call 3M in U.S.A., 1-800-243-4630. In Canada, call Technical Service at 1-800-267-4414.

USE INSTRUCTIONS AND LIMITATIONS

Important

Before use, the wearer must read and understand these User Instructions. Keep these instructions for reference.

This product contains no components made from natural rubber latex.

Use For

Respiratory protection from certain airborne contaminants according to NIOSH approvals, OSHA limitations, in Canada CSA standard Z94.4 requirements, other applicable regulations and 3M instructions.

Do Not Use For

Concentrations of contaminants which are immediately dangerous to life and health, are unknown or when concentrations exceed 10 times the permissible exposure limit (PEL), when used in air-purifying mode, or according to specific OSHA standards or applicable government regulations, whichever is lower.

Use Instructions

1. Failure to follow all instructions and limitations on the use of this respirator and/or failure to wear this respirator during all times of exposure can reduce respirator effectiveness and may result in sickness or death.
2. Before occupational use of this respirator a written respiratory protection program must be implemented meeting all the requirements of OSHA 29 CFR 1910.134 such as training and fit testing and applicable OSHA substance specific standards. In Canada, CSA standard Z94.4 requirements must be met.
3. The airborne contaminants which can be dangerous to your health include those that are so small you cannot see them.
4. Leave contaminated area immediately and contact supervisor if you smell or taste contaminants or if dizziness, irritation, or other distress occurs.
5. Store respirator away from contaminated areas when not in use.
6. Dispose of used product in accordance with applicable regulations.

Use Limitations

1. This respirator does not supply oxygen when used in air-purifying mode. Do not use in atmospheres containing less than 19.5% oxygen.
2. Do not use when concentrations of contaminants are immediately dangerous to life and health, are unknown or when concentrations exceed 10 times the permissible exposure limit (PEL) when used in air-purifying mode, or according to specific OSHA standards or applicable government regulations, whichever is lower.
3. Do not alter, abuse or misuse this respirator.
4. Do not use with beards or other facial hair or other conditions that prevent a good seal between the face and the faceseal of the respirator.

Time Use Limitations

1. If respirator becomes damaged, leave contaminated area immediately and repair or replace the respirator.
2. Replace filters in accordance with the filter Time Use Limitation.
3. Replace cartridges in accordance with an established change schedule or earlier if smell, taste or irritation from contaminants is detected.

NIOSH Cautions and Limitations

The following restrictions may apply. See NIOSH approval label.

- A- Not for use in atmospheres containing less than 19.5 percent oxygen.
- B- Not for use in atmospheres immediately dangerous to life or health.
- C- Do not exceed maximum use concentrations established by regulatory standards.
- D- Air-line respirators can be used only when the respirators are supplied with respirable air meeting the requirements of CGA G-7.1 Grade D or higher quality.
- E- Use only the pressure ranges and hose lengths specified in the User's Instructions.
- G- If airflow is cut off, switch to filter and/or cartridge or canister and immediately exit to clean air.
- H- Follow established cartridge and canister change schedules or observe ESLI to ensure that cartridge and canisters are replaced before breakthrough occurs.
- I- Contains electrical parts which have not been evaluated as an ignition source in flammable or explosive atmospheres by MSHA/NIOSH.
- J- Failure to properly use and maintain this product could result in injury or death.
- K- The Occupational Safety and Health Administration regulations require gas-proof goggles to be worn with this respirator when used against formaldehyde.
- L- Follow the manufacturer's User's Instructions for changing cartridges, canister and/or filters.
- M- All approved respirators shall be selected, fitted, used, and maintained in accordance with MSHA, OSHA, and other applicable regulations.
- N- Never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
- O- Refer to User's Instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
- P- NIOSH does not evaluate respirators for use as surgical masks.
- S- Special or critical User's Instructions and/or specific use limitations apply. Refer to User's Instructions before donning.

S – Special or Critical Use Instructions

3M™ Mercury Vapor Cartridges (6009 and 60929) are equipped with passive 3M™ End of Service Life Indicators (ESLI). The color change indicator must be readily visible when wearing the respirator without

manipulation. If you cannot readily see the ESLI, do not use. Mercury vapor cartridges must be discarded when the ESLI changes color; or within 30 days of opening packaging; or when ESLI becomes dirty or damaged; or when odors of vapors or gases become noticeable, whichever occurs first. Mercury vapor has no odor.

To assemble 3M™ Dual Airline Combination Breathing Tubes with 3M™ Cartridges/Filters, the facepiece inhalation valves must be removed.

If the facepiece is to be used in air purifying mode (without using the 3M SA-1600 or SA-2600 breathing tubes), the inhalation valves must be replaced in the facepiece before use.

WARNING

OSHA standard 1910.134 requires that employers provide breathing air which shall “meet at least the requirements of the specification for Grade D breathing air as described in Compressed Gas Association Commodity specification G-7.1-1997.” This air must come from a suitable external source (e.g., breathing air compressor or bottle with breathing quality air). Failure to do so may result in sickness or death. The 7000 Series respirator itself DOES NOT provide Grade D breathing air or air that meets CSA Standard CAN3-Z180.1-00.

LIST OF PRODUCTS

3M™ Half Facepieces

6100 Half Facepiece (Small)

6200 Half Facepiece (Medium)

6300 Half Facepiece (Large)

3M™ Half Facepieces Respirators (includes 2091 P100 filters)

6191 P100 Particulate Respirator (Small)

6291 P100 Particulate Respirator (Medium)

6391 P100 Particulate Respirator (Large)

3M™ Probed Half Facepiece Respirator (for quantitative fit testing, includes 2091 P100 filters)

6100Q Probed Respirator Assembly (Small)

6200Q Probed Respirator Assembly (Medium)

6300Q Probed Respirator Assembly (Large)

3M™ Bodyman and Brake Respirators

07181 Half Facepiece (Small)

07182 Half Facepiece (Medium)

07183 Half Facepiece (Large)

3M™ Accessories and Parts

504

Respirator Cleaning Wipes

601

Fit Test Adapter (Quantitative)

6889

Exhalation Valve

6893

Inhalation Valve

6895

Inhalation Gasket

6281

Respirator Strap Assembly

6281B

Bulk Respirator Strap Assembly

6880

Bayonet Cap

Caution: Failure to properly dispose of spent cartridges, filters, or respirators contaminated by hazardous materials can result in environmental harm. Handling, transportation and disposal of spent cartridges, filters, or respirators must comply with all applicable federal, state, and local laws and regulations.

3M™ Cartridges

Number

Product Name

NIOSH Approval (for respiratory protection against the following contaminants up to ten times the permissible exposure limit)

6001 (07046)

Organic Vapor

Certain organic vapors

6002

Acid Gas

Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only).

6003 (07047)

Organic Vapor/Acid Gas

Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride

6004

Ammonia/Methylamine

Ammonia and methylamine

6005

Formaldehyde/Organic Vapor

Formaldehyde and certain organic vapors¹

6006

Multi-Gas/Vapor

Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only), ammonia/methylamine, formaldehyde or hydrogen fluoride¹

6009

Mercury Vapor/Chlorine Gas

Mercury vapor or chlorine gas

60921

Organic Vapor/P100

Certain organic vapors and particulates

60922

Acid Gas/P100

Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only) and particulates

60923

Organic Vapor/Acid Gas/P100

Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride and particulates

60924

Ammonia/Methylamine/P100

Ammonia and methylamine and particulates

60925

Formaldehyde/Organic Vapor/P100

Formaldehyde and certain organic vapors and particulates1

60926

Multi-Gas/Vapor/P100

Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only), ammonia/methylamine, formaldehyde or hydrogen fluoride and particulates1

60928

Organic Vapor/Acid Gas Cartridge/P100 Filter

Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride and particulates2

60929

Mercury Vapor/Chlorine Gas/P100

Mercury vapor or chlorine gas and particulates

1 OSHA regulations require gas proof goggles be worn with half facepiece respirators when used against formaldehyde.

2 3M recommended for use against methylbromide or radioiodine up to 5 ppm with daily cartridge replacement.

Service Life for Chemical Cartridges and Filters

6000 series cartridges should be used before the expiration date on cartridge packaging. The useful service life of these cartridges will depend upon activity of wearer (breathing rate), specific type, volatility and concentration of contaminants and environmental conditions such as humidity, pressure, and temperature. Cartridges must be replaced in accordance with an established change schedule or earlier if smell, taste or irritation from contaminants is detected.

Filters must be replaced if they become damaged, soiled or if increased breathing resistance occurs. N-series should not be used in environments containing oils. R-series filters may be limited to 8 hours of continuous or intermittent use if oil aerosols are present. In environments containing only oil aerosols, P-series filters should be replaced after 40 hours of use or 30 days, whichever is first.

3M™ Filters/Adapter/Retainer

501 (07054)

Filter Retainer for 5N11 and 5P71 Filters

502

Filter Adapter for 2000 Series and 7093 Filters

2071

P95 Particulate Filter

2076HF

P95 Particulate Filter, hydrogen fluoride, with nuisance level acid gas relief¹

2078

P95 Particulate Filter, 3M recommended for ozone protection², with nuisance level organic vapor/acid gas relief¹

2091 (07184)

P100 Particulate Filter

2096

P100 Particulate Filter, with nuisance level acid gas relief¹

2097

P100 Particulate Filter, 3M recommended for ozone protection², with nuisance level organic vapor relief¹

5N11

N95 Particulate Filter

5P71 (07194)

P95 Particulate Filter

7093

P100 Particulate Filter

13M recommended for relief against nuisance levels of acid gases or organic vapors. Nuisance level refers to concentrations not exceeding OSHA PEL or applicable government occupational exposure limits, whichever is lower. Do not use for respiratory protection against acid gases or organic vapors.

23M recommended for ozone protection up to 10 times the OSHA PEL. Note: This product is not NIOSH approved for ozone protection.

3M™ Dual Airline Accessories and Adapter Kits

Number
Description

SA-1000
(or SA-2000 Back-Mounted)

Dual Airline High Pressure Adapter Kit for use with the W-9435 Compressed Air Hose.

This kit includes:

SA-1500 Breathing Tube or (SA-2500 Back-Mounted Breathing Tube)

SA-1009 Air Regulator and GVP-127 Waist Belt

Note: This assembly does not include the W-9435 Compressed Air Hose.

SA-1000LP
(or SA-2000LP Back-Mounted)

Dual Airline Low Pressure Adapter Kit for use with the W-3020 Compressed Air Hose.

This kit includes:

SA-1500 Breathing Tube (SA-2500 Back-Mounted Breathing Tube)

SA-1029 Air Regulator and GVP-127 Waist Belt

Note: This assembly does not include the W-3020 Compressed Air Hose.

SA-1100
(or SA-2100 Back-Mounted)

Combination Dual Airline High Pressure Adapter Kit for use with the W-9435 Compressed Air Hose.

This kit includes:

SA-1600 Breathing Tube (SA-2600 Back-Mounted Breathing Tube)

SA-1009 Air Regulator and GVP-127 Waist Belt

Note: This assembly does not include the W-9435 Compressed Air Hose.

SA-1100LP

(or SA-2100LP Back-Mounted)

Combination Dual Airline Low Pressure Adapter Kit for use with the W-3020 Compressed Air Hose.

This kit includes:

SA-1600 Breathing Tube (SA-2600 Back-Mounted Breathing Tube)

SA-1029 Air Regulator and GVP-127 Waist Belt

Note: This assembly does not include the W-3020 Compressed Air Hose.

ASSEMBLY INSTRUCTIONS

3M™ 6000 Series Cartridge Assembly

1. Align cartridge notch with facepiece mark, as shown, and push together. (Fig. 1)
2. Turn cartridge clockwise to stop (1/4 turn). (Fig. 2)

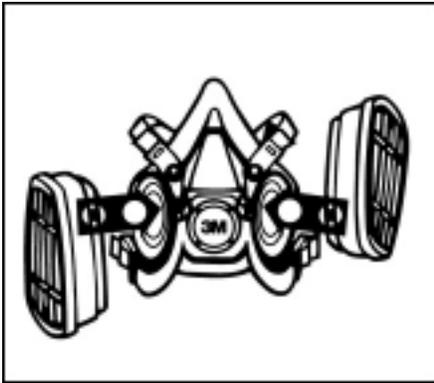


Fig. 1

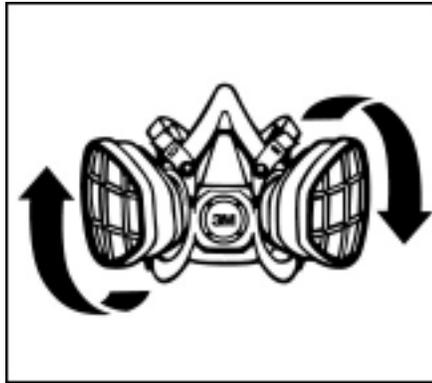


Fig. 2

3M™ 5N11 and 5P71 Filters

1. Place filter into 501 retainer so printed side of filter faces the cartridge. (Fig. 3)
2. Press cartridge into filter retainer. It should snap securely into filter retainer. When correctly installed, filter should completely cover face of cartridge.
3. To replace filter, remove retainer by lifting on tab.

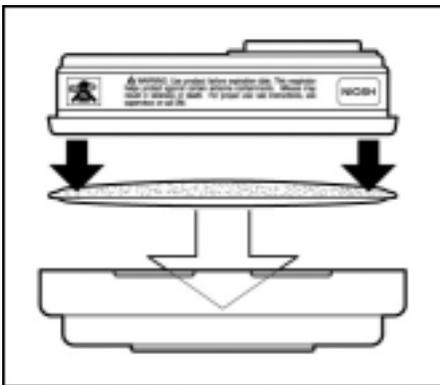


Fig. 3

3M™ 2000 Series Filter Assembly

1. Align opening of filter with filter attachment on facepiece.
2. Turn filter clockwise until it is firmly seated and cannot be further turned.

3. Repeat for second filter.

3M™ 502 Adapter Assembly

1. Align adapter over cartridge. Engage front snap by squeezing front of cartridge and adapter together, placing thumbs of both hands over top of adapter and fingers along bottom sides of cartridge. (Fig. 4)
2. Engage back snap by squeezing back side of cartridge and adapter together using the same hand positions. An audible click should be heard as each snap is engaged. Note: The 3M 502 adapter should not be removed or reused once engaged as it is not designed for reuse and leakage may occur. (Fig. 5)

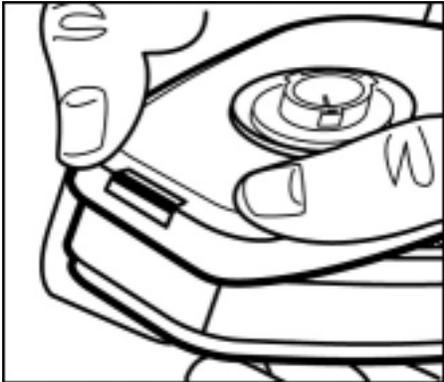


Fig. 4

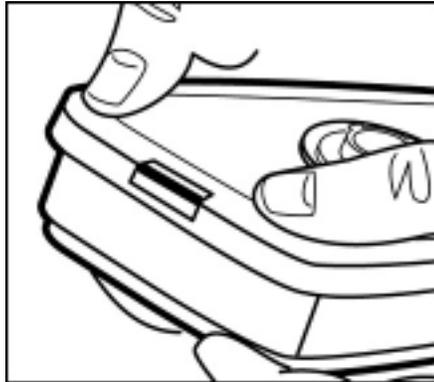


Fig. 5

3M™ 2000 Series Filters/502 Adapter Assembly

1. Place filter onto the filter holder so that filter comes into even contact with gasket.
2. Twist clockwise a quarter turn until it is firmly seated and filter cannot be turned further.
3. Repeat for second filter.

Assembly of Dual Airline Breathing Tubes

1. Hold the facepiece in front of you so that the 3M logo is facing you. Align the two branches of the breathing tube over the two bayonet mounts on facepiece. For the 3M™ SA-1500 or SA-1600 Breathing Tubes, make sure that 3M logo on breathing tube and on half facepiece are both facing towards you. For 3M SA-2500 or SA-2600 Breathing Tubes, make sure that the 3M logo on breathing tube is facing in opposite direction to 3M logo on half facepieces. (Fig. 6) 3M SA-1500/SA-2500 shown.
2. Twist each branch of breathing tube clockwise a quarter turn until it is firmly seated in the bayonet and cannot be turned further. (Fig. 7 and 8) Do not forcibly overturn as the bayonet could be damaged. 3M SA-1500/SA-2500 shown.
3. Attach airline to approved air regulators per pressure schedules in dual airline operator's manual.

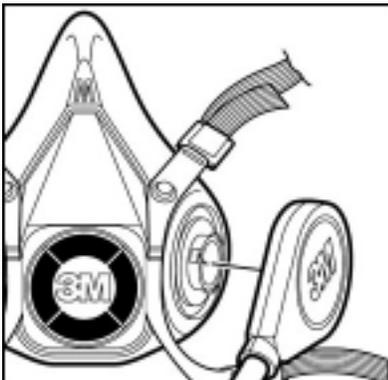


Fig. 6

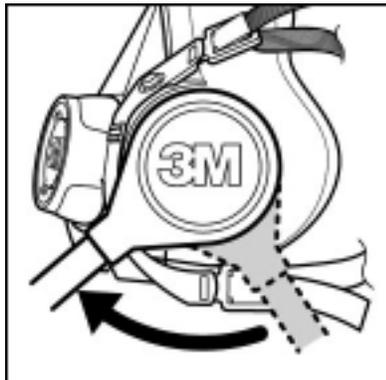


Fig. 7

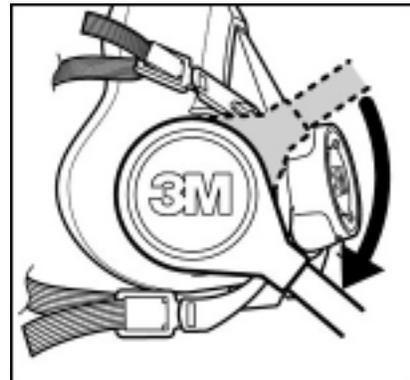


Fig. 8

Assembly of 3M Combination Dual Airline Breathing Tubes with Cartridges and/or Filters

The 3M SA-1600 (front-mounted) and SA-2600 (back-mounted) versions of the 3M dual airline breathing tubes allow use of selected, NIOSH-approved 3M 6000 series cartridges and 2000 series filters. For listing of approved cartridges and filters, reference NIOSH approval label included with 3M dual airline breathing tubes. To assemble 3M dual airline breathing tubes with cartridges and/or filters, do the following:

1. Remove inhalation valves from facepiece and store them so they remain flat. (Fig. 9)
2. Attach 3M SA-1600 or SA-2600 breathing tubes to facepiece per the procedures outlined previously. The procedure is identical to the 3M SA-1500 and SA-2500 models.
3. Make a selection of cartridges and/or filters that meets your respiratory protection requirements, and attach to outer bayonets of 3M SA-1600 or SA-2600 breathing tubes. (Fig. 10)
4. Don facepiece per procedures outlined in Donning Respirator Instructions.
5. After being properly fit tested, perform a positive and negative pressure user seal check per procedures outlined in User Seal Check instructions. If you cannot achieve a proper fit, do not enter the contaminated area. See your supervisor.
6. Attach airline to approved air regulators per pressure schedules in dual airline operator's manual.

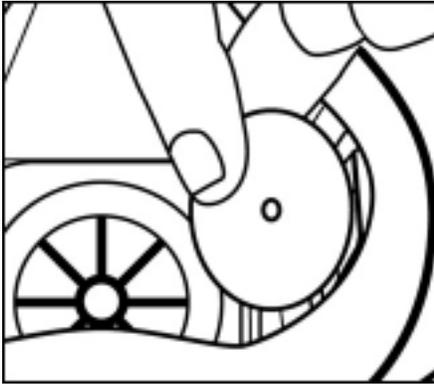


Fig. 9



Fig. 10

Using the 3M Combination Dual Airline Breathing Tubes without Cartridges or Filters

To use the 3M SA-1600 or SA-2600 breathing tubes without cartridges or filters, attach a 3M™ 6880 Bayonet Cap to each outer bayonet mount on the breathing tube. When used as a straight, Type C, continuous flow supplied air respirator, the Assigned Protection Factor is 50 times the PEL or TLV guidelines for half facepiece respirators.

FITTING INSTRUCTIONS

Must be followed each time respirator is worn.

Donning Respirator

1. Place respirator over your mouth and nose, then pull head harness over crown of your head. (Fig. 11)
2. Take bottom straps in both hands, place them in back of your neck, and hook them together. (Fig. 12)
3. Position facepiece low on the bridge of your nose for optimal visibility and best fit.
4. Adjust top straps first, then lower neck straps by pulling on ends. (Fig. 13) **DO NOT** pull too tight! (Strap tension may be decreased by pushing out on back side of buckles.) Perform a positive pressure and/or negative pressure user seal check. The positive pressure method is recommended.
If you cannot achieve a proper fit, do not enter contaminated area. See your supervisor.



Fig. 11

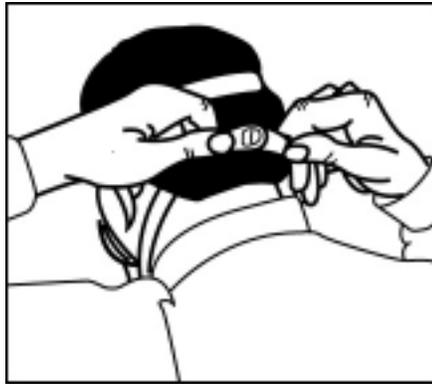


Fig. 12



Fig. 13

User Seal Checks

Always check the seal of the respirator on your face before entering a contaminated area.

Positive Pressure Seal Check

1. Place the palm of your hand over the exhalation valve cover and exhale gently. If facepiece bulges slightly and no air leaks are detected between your face and the facepiece, a proper fit has been obtained. (Fig. 14)
2. If faceseal air leakage is detected, reposition respirator on your face and/or readjust tension of the elastic straps to eliminate leakage.
4. Repeat above steps until a tight faceseal is obtained.

If you cannot achieve a proper fit, do not enter contaminated area. See your supervisor.



Fig. 14

Negative Pressure Seal Check (with 6000 series cartridges)

1. Place palms of hands to cover face of cartridge or open area of 3M™ 501 Filter Retainer, when retainer is attached to the cartridge, to restrict air flow. (Fig. 15)
2. Inhale gently. If you feel facepiece collapse slightly and pull closer to your face with no leaks between the face and facepiece, a proper fit has been obtained.
3. If faceseal air leakage is detected, reposition respirator on face and/or readjust tension of straps to eliminate air leakage. Repeat above steps until a tight faceseal is obtained.

If you cannot achieve a proper seal, do not enter contaminated area. See your supervisor.



Fig. 15

Note: Use of 3M 501 filter retainer may aid respirator wearer in conducting a negative pressure seal check.

Negative Pressure Seal Check (with 2000 series filters)

1. Place your thumbs onto the center portion of the filters, restricting airflow into the breathing tube of filters, and inhale gently. If you feel facepiece collapse slightly and pull closer to your face with no leaks between the face and facepiece, a proper fit has been obtained. (Fig. 16)
2. If faceseal air leakage is detected, reposition respirator on face and/or readjust tension of straps to eliminate the leakage.
3. Repeat above steps until a tight faceseal is obtained.

If you cannot achieve a proper seal, do not enter contaminated area. See your supervisor.



Fig. 16

FIT TESTING

The effectiveness of a respirator will be reduced if it is not fitted properly. Therefore, either quantitative or qualitative fit testing must be conducted prior to the respirator being issued. Note: Fit testing is a U.S. Occupational Safety and Health Administration (OSHA) and Canadian CSA requirement.

The effectiveness of a respirator will be reduced if it is not fitted properly. Therefore, either quantitative or qualitative fit testing must be conducted prior to the respirator being issued and used.

Quantitative Fit Testing

Quantitative Fit Testing (QNFT) can be conducted using a 3M™ 601 Fit Test Adapter and P100 filters such as the 3M™ 2091 or 7093 P100 Particulate Filters.

Qualitative Fit Testing

Qualitative Fit Testing (QLFT) with the 3M™ FT-10 or FT-30 Qualitative Fit Test Apparatus can be conducted using any of the NIOSH approved particulate filters.

Note: For further information concerning fit testing, contact 3M OH&ESD Technical Service at 1-800-243-4630 or a 3M location in your region. In Canada call Technical Service at 1-800-267-4414.

INSPECTION, CLEANING, AND STORAGE

Inspection Procedure

The 3M 6000 series facepiece must be inspected before each use to ensure that it is in good operating condition. The facepiece should be repaired or disposed of upon observation of damaged or defective parts. The following inspection procedure is suggested.

1. Check facepiece for cracks, tears and dirt. Be certain facepiece, especially face seal area, is not distorted.
2. Examine inhalation valves for signs of distortion, cracking or tearing.
3. Make sure that head straps are intact and have good elasticity.
4. Examine all plastic parts for signs of cracking or fatiguing. Make sure filter gaskets are properly seated and in good condition.
5. Remove exhalation valve cover and examine exhalation valve and valve seat for signs of dirt, distortion, cracking or tearing. Replace exhalation valve cover.

Cleaning and Storage

Caution: Cleaning with solvents may degrade some respirator components and reduce respirator effectiveness. Inspect all respirator components before each use to ensure proper operating condition.

Cleaning is recommended after each use.

1. Remove cartridges and/or filters.
2. Clean facepiece (excluding filters and cartridges), with 3M™ 504 Respirator Wipes (not to be used as the only method of cleaning) or by immersing in warm cleaning solution, water temperature not to exceed 120° F, and scrub with soft brush until clean. Add neutral detergent if necessary. Do not use cleaners containing lanolin or other oils.
3. Disinfect facepiece by soaking in a solution of quaternary ammonia disinfectant or sodium hypochloride (1 oz. [30 ML] household bleach in 2 gallons [7.5 L] of water), or other disinfectant.
4. Rinse in fresh, warm water and air dry in non-contaminated atmosphere.
5. The cleaned respirator should be stored away from contaminated areas when not in use.

REPLACEMENT PART INSTRUCTIONS

3M™ 6893 Inhalation Valve

Inhalation valves are located on posts at the inside of the facepiece inhalation ports. These valves should be inspected before each respirator use and replaced whenever valves become damaged or lost.

1. Remove existing valve(s) by lifting from post(s). (Fig.9)
2. Install new valve(s) onto post(s). Be certain valve(s) is fully engaged under all three lugs on post(s), lays flat, and moves freely (spins) on post.

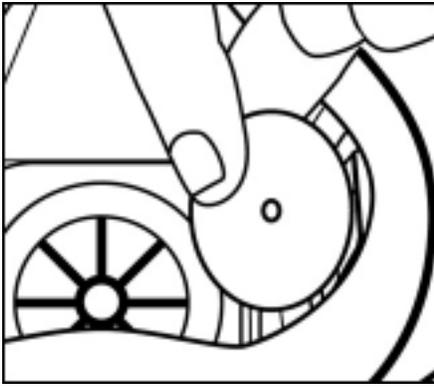


Fig. 9

3M™ 6889 Exhalation Valve

1. Remove valve cover assembly from facepiece. (Fig.19)
2. Grasp valve and pull valve stem out from valve seat. (Fig.17)
3. Inspect valve seat making certain it is clean and in good condition.
4. Place new valve over exhalation port and press valve stem into center hole. Be certain the valve is fully seated and spins freely in mount.
5. Replace valve cover assembly.

Note: Conduct a negative pressure seal check to ensure exhale valve is functioning properly.

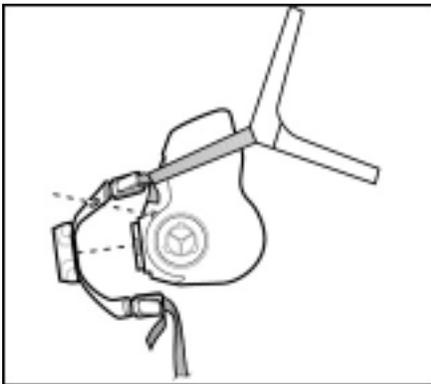


Fig. 19

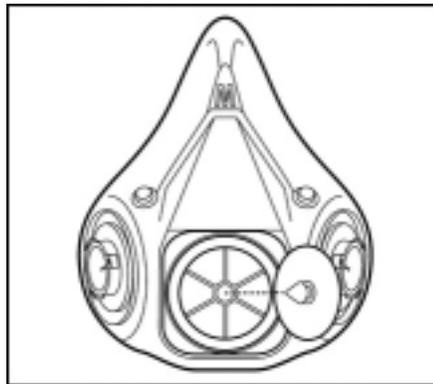


Fig. 17

3M™ 6895 Inhalation Gasket Replacement

The closed cell foam rubber gasket is designed to seal the interface between the bayonet attachment inhalation ports on the facepiece and filters/cartridges, dual airline or 3M 201 microphone adapter installed on the facepieces. The gaskets should be inspected with each filter/cartridge change and replaced whenever damaged or if seal integrity is questionable.

1. Remove gaskets from facepiece inhalation port bayonet fittings. (Fig.18)
2. Install new gaskets onto facepiece inhalation port bayonet fittings. Be certain gaskets are in proper position under all three bayonet lugs.

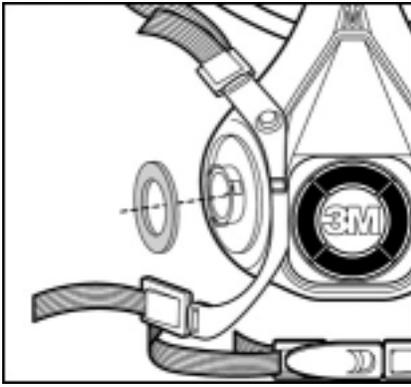


Fig. 18

3M™ 6281 Respirator Strap Assembly

1. To remove, disengage upper legs of valve cover assembly from facepiece buttons.
2. Pry or pull valve cover assembly from facepiece exhalation port. (Fig. 19)
3. To install, properly position new strap assembly valve cover over facepiece exhalation port and snap into place by firmly pressing together.
4. Engage holes in upper legs of valve cover assembly with facepiece buttons.

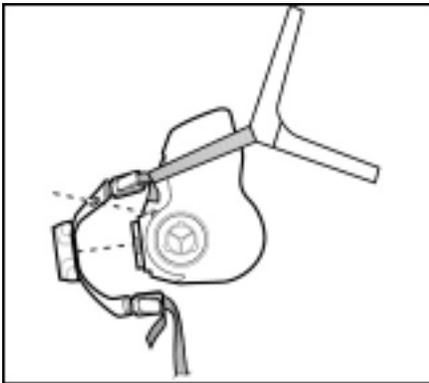


Fig. 19

FOR MORE INFORMATION and assistance on 3M occupational health and environmental safety products, contact your local 3M representative or call 3M OH&ESD Technical Service toll free in U.S.A., 1-800-243-4630. In Canada, call Technical Service at 1-800-267-4414.

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