

# MMR Air Mask With

***Firehawk***<sup>TM</sup>  
*Regulator*

## Facepiece

### UPGRADE INSTRUCTIONS

#### **WARNING**

THIS MANUAL MUST BE CAREFULLY READ AND FOLLOWED BY ALL PERSONS WHO HAVE OR WILL HAVE THE RESPONSIBILITY FOR UPGRADING THE AIR MASK. This Air Mask will perform as designed only if upgrading according to the instructions. OTHERWISE IT COULD FAIL TO PERFORM AS DESIGNED, AND PERSONS WHO RELY ON THE AIR MASK COULD SUSTAIN SERIOUS PERSONAL INJURY OR DEATH.

The warranties made by MSA with respect to the product are voided if the product is not installed, used and serviced in accordance with the instructions in this manual. Please protect yourself and your employees by following the instructions. Please read and observe the WARNINGS and CAUTIONS inside. For any additional information relative to use or repair, write or call 1-800-MSA-2222 during regular working hours.

For More Information, call 1-800-MSA-2222 or Visit Our Website at [www.MSAnet.com](http://www.MSAnet.com)

**MSA**  
*The Safety Company*

**MINE SAFETY APPLIANCES COMPANY**  
**PITTSBURGH, PENNSYLVANIA, U.S.A. 15230**

# UPGRADE INSTRUCTIONS

## KIT P/N 10028600 CONTENTS

P/N 10018621 Facepiece Adapter  
P/N 10034500 Facepiece Component Housing Cover  
P/N 10033208 Screw (2)  
P/N 490134 Spider Valve

## BEFORE USE

- Read and understand these instructions before attempting to use this equipment.
- This air mask is to be used only by trained and qualified personnel.

## REMOVING THE OLD COMPONENT HOUSING COVER

1. Remove the two component housing cover screws and spacers. Remove the neckstrap.



2. Remove the locking ring.
3. Lift up on the cover release hook, located forward of the adapter assembly opening. Once the release is lifted, remove the cover by pulling it away from the housing. Tilt the cover and work it over one adapter bayonet at a time.



4. Unthread and remove the old adapter assembly.

## REPLACING THE SPIDER VALVE

1. Remove the component housing cover and the adapter assembly.
2. Pull up on the pull-tab to remove old spider valve.
3. Remove the inlet disc from the old Spider Valve and inspect for wear. The inlet disc should be very soft and pliable. Install a new inlet disc if it is damaged or

hardened.

4. To install the inhalation inlet disc:
  - a. Gently, stretch the hole in the center of the disc valve over the new Spider Valve.
  - b. Note that the inlet gasket has a groove around it.
  - c. With the pull-tab facing you, insert the Spider Valve into the facepiece at an angle so that its groove captures the housing rim. The lower lip on the Spider Valve must be placed under the rim in the component housing.

**Note:** The Spider Valve may need bent slightly to work the groove under the rim all the way around. When installed correctly, the Spider Valve will lay flat in the housing and none of the spokes will be bent.

5. Reinstall the adapter assembly and component housing cover.
6. Don the facepiece and check the face-to-facepiece seal. Follow the Facepiece Fit Check Procedure.

## CAUTION

**Be careful that you do not damage internal parts of the component housing assembly (exhalation valve, spring, retainer, or speaking diaphragm) once the cover is removed.**

## INSTALLING THE NEW ADAPTER ASSEMBLY AND COMPONENT HOUSING COVER

1. Thread the adapter assembly into the facepiece.



2. If necessary, use component housing cover to continue to tighten until the top flat on the octagon is horizontal.



# UPGRADE INSTRUCTIONS

## INSTALLING THE NEW COMPONENT HOUSING COVER

1. Place the new component housing cover over the adapter and on Component Housing.

**Note:** The octagon flats must align with octagon flats of Component Housing.

2. Insert the tab on the cover into the slot in the lens ring. Press in on the front of the cover until the cover hook snaps into place.



3. Place the neckstrap clips into the cover sockets. Install the new Phillips screws and tighten.
4. Verify that there is no loose play in the assembly of parts.
5. Don the facepiece and check the face-to-facepiece seal. Follow the Facepiece Fit Check procedures in the Operation and Instructions Manual. For Firehawk (P/N 10023638) or WorkMask (P/N 10024090).

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