

for use with the MMR Air Mask with Firehawk™ Regulator

Part No.	Description
634669	O-Ring
10032940	Hose (for Kit 10031798)
10046484	Hose (for Kit 10052319)
10032433	Instructions
10032438	Manifold

INSTALLATION INSTRUCTIONS

⚠ WARNING

Be sure to relieve all pressure from the system. Close the cylinder valve fully. Be sure that nothing blocks the mask mounted regulator outlet. Open the bypass valve fully to release any trapped air. Failure to follow this precaution may result in serious personal injury or death.

MMR AIR MASK WITH FIREHAWK REGULATOR DISASSEMBLY AND REPAIR

INSTALLATION INSTRUCTIONS FOR SINGLE QUICK-DISCONNECT KIT

Disassembly - Removing Regulator Cover, Spring, and Spring Retainer

1. Press in housing QC button and slide button.
2. Holding the buttons in, also press in on the retaining latches of the regulator housing.
3. Pull firmly on the regulator cover, removing the cover, spring, and spring retainer from the regulator housing.

Note: Do not stretch the spring.

Disassembly - Bypass and Hose w/Swivel

1. Remove regulator cover, spring, and spring retainer assembly.

Note: DO NOT REMOVE THE DIAPHRAGM.

2. Use a small flat-blade screwdriver to remove the U-clip from the regulator housing.

3. Remove the bypass and hose assembly from regulator housing.
4. Remove red bypass handwheel. Slide handwheel back off the bypass body to reveal the U-clip holding the Second Stage Hose Assembly in the bypass body.
5. Remove U-clip that is holding the Second Stage Hose Assembly with screwdriver.
6. Remove hose assembly by pulling hose out of the bypass body.
7. Remove hose assembly O-ring. Be careful not to scratch the O-ring groove.
8. Inspect the screen inside bypass body. If dirty, all dirt and any foreign matter must be removed before reusing screen. However, if screen is damaged, replace screen as follows:
 - a. Insert a small screwdriver into the small hole side of bypass body.
 - b. Push the screen out the large hole side of bypass body.

Install ExtendAire - Bypass and Hose Assembly

1. Apply a light film of Christo-Lube® lubricant to all O-rings.
2. Roll a new O-ring into the first groove of the bypass body.
3. (If removed) Insert the new screen. Insert screen into the large hole (hose swivel) side of bypass body. Be careful not to damage the screen and make sure the screen is flat inside the body.
4. Hose assembly: Ensure a O-ring is on the first groove of the hose swivel.
5. Insert swivel into the bypass body.
 - a. Slide U-clip through the bypass body, the U-clip should slide through the bypass body freely.
6. Slide red bypass handwheel over the bypass body, the hex of handwheel will align with the handwheel.
7. Ensure that hose with swivel moves freely.
8. Insert bypass body and hose assembly into the regulator housing, with bypass body tabs aligned with slots in bypass insert.
9. Slide the U-clip through the regulator housing, the U-clip should slide through the regulator housing freely.
10. Double check proper engagement by lifting on spring retainer. Ensure that the retainer is engaged.
11. Push regulator cover, spring, and spring retainer onto regulator housing.



For More Information: Call (1-800-MSA-2222) or Visit Our Website at (www.MSAnet.com)



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⚠ WARNING

Double check proper engagement by pulling on regulator cover to ensure that it is securely attached to the regulator housing. Failure to follow this precaution may result in serious personal injury or death.

Removing the First Stage Intermediate Pressure Hose from the First Stage Regulator

1. Disconnect the intermediate hose from the first stage regulator cap.
 - a. Use an open-end wrench.
 - b. Turn the hex nut counter-clockwise and remove.
2. Remove the hose from the shoulder strap.

Installing the First Stage Intermediate Pressure Hose on the First Stage Regulator Cap

1. Thread the hose through the left shoulder strap.
2. Ensure a O-ring is on the hose assembly. Apply a thin film of Christo-Lube to the O-ring.
3. Reconnect the intermediate hose to the first stage regulator cap. Torque to 125 ± 5 in.lbs.
4. Connect second stage hose to male connection of manifold.

⚠ WARNING

DO NOT install or attempt to use any hose assembly or fitting other than those supplied by MSA for the ExtendAire system. Failure to follow this precaution may result in serious personal injury or death.

CHECKING FOR LEAKS AND PROPER OPERATION

1. Pressurize the regulator by attaching the Audi-Larm™ Audible Alarm Assembly to a fully charged cylinder (2216 or 3000psig for Ultralite; 4500psig for Custom 4500).
2. Close the bypass on the Firehawk Second Stage Regulator and depress the semi-automatic shutoff.

Open the cylinder valve fully. The remote gauge should indicate the pressure in the cylinder.

3. Close the cylinder valve and watch the remote pressure gauge. There should not be a drop in pressure if the equipment is leak tight (The maximum allowable pressure drop is 100 psi in 10 seconds). If there is a noticeable deflection of the needle, check for leaks using Snoop® Leak Detector. Leak test the following:
 - a. hose connection to first stage regulator
 - b. hose fitting and ferrules
 - c. quick-disconnect fittings at the hose tee
 - d. quick-disconnect outlets
 - e. hose at Firehawk Second Stage Regulator
 - f. remote gauge hose fittings

⚠ WARNING

Do not use the apparatus until any leaks are found and corrected. Failure to follow this precaution may result in serious personal injury or death.

4. Be sure the cylinder valve is fully closed. Relieve all pressure from the system by opening the bypass.
5. After all pressure is relieved from the system, close the bypass fully. The MMR Air Mask with Firehawk Regulator is now ready for service
6. Read and be sure that you fully understand the instructions that come with specific intermediate pressure accessories.
7. Repair personnel installing this kit are to affix user instructions that come with specific intermediate pressure accessories to the converted apparatus for user reference.

AFTER USE

Follow the steps outlined in your Firehawk Maintenance Manual for proper removal and storage of apparatus.



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