Inspection Notice

Universal Air Connection (UAC)/ Quick-Fill® Couplers

November 30, 2018

MSA Corporate Center
1000 Cranberry Woods Drive
Cranberry Township, PA 16066
800.MSA.2222
www.MSAsafety.com

Dear MSA Customer,

MSA is issuing the attached Product Information Notice (PIN 10198424) for inspection of SCBA male Universal Air Connection (UAC)/Quick-Fill Couplers.

All MSA customers are to perform the steps in the attached Product Information Notice (PIN) at the following times at a minimum (more frequent performance is acceptable):

1) **Upon initial receipt of this Inspection Notice**
2) **After each time that a connection is made to a UAC/Quick-Fill Coupler**
3) **During annual flow check**

This applies to all models of MSA SCBA, RIT Kits, and portable air-supply systems.

MSA previously issued a July 14, 2016 Safety Notice related to UAC and Quick-Fill Hose Fittings. This was issued as a result of manufacturing inconsistencies identified by our supplier in response to field reports concerning the inability to connect female Quick-Fill fittings with male UAC fittings. In the Safety Notice, MSA informed SCBA customers of the need to replace UAC and Quick-Fill Hose Fittings within limited manufacturing date ranges.

The July 14, 2016 Safety Notice also included a test procedure that could be employed for temporary use of UAC and Quick-Fill Hose Fittings within the manufacturing date ranges until replacements were obtained.

Given the importance of these components in emergency situations and as a result of our continuous improvement activities, MSA has determined that an enhanced and simplified version of this test procedure must be performed on male UAC/Quick-Fill Couplings at regular inspection intervals throughout the life of all MSA SCBA, RIT Kits, and portable air-supply systems. The attached PIN details the steps necessary to perform the inspection.

An initial inspection is to be done upon receipt of this Inspection Notice. Subsequent to this initial inspection, inspections are to be done during annual flow check AND after each time that a connection is made to a UAC or Quick-Fill Hose Fitting. An inspection is required after any and all connections, including, but not limited to, connections made during training and trans-fill operations. These are the minimum requirements. More frequent inspections are acceptable.

A tool is required to perform the inspection. To request a tool, please contact MSA Customer Service at 1-866-672-0005.

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Contact MSA Issues Resolution Group at 1-866-672-6977 to arrange for replacement of any fittings that do not pass the inspection. MSA will provide under warranty replacements for any fittings with manufacturing dates since 2007. The manufacturing date can be identified by the date code, which is marked on the fitting (see photo below). The first three digits of the date code are in Julian Date format for the specified year, which is indicated by the next two digits. For example, a fitting that is marked "06018" would have been manufactured on March 1, 2018. If the date code on the fitting has a sixth digit for the shift, read the first five digits.

Date Code in Julian Date format is stamped on hex.
Example: 060151 (March 1, 2015)

MSA Customer Service Contact Information:

If you have any questions regarding this notice, please contact MSA Customer Service as follows:

- U.S., Canada, or U.S. Territories – 1-866-672-0005 or by email at: ProductSafetyNotices@MSAsafety.com.
- Outside the U.S., Canada, and U.S. Territories – 724-776-8626 or by email at: LAMZonecs@MSAnet.com.

Best regards,

Nathan Andrulonis
Manager of Product Safety

Enclosures
PS15020-41

Product Information News November 15, 2018

UAC/Quick-Fill Coupler Inspection Procedure

MSA is pleased to offer a new inspection procedure for all male UAC/Quick Fill Couplers. This new inspection procedure is offered as a result of MSA's Continuous Improvement activities in which MSA regularly implements enhancements to products and procedures.

WARNING

If the SCBA or RIT Kit exhibits any of the conditions listed as "Action Needed" in this procedure, the SCBA or RIT Kit must be removed from service and the condition must be checked and corrected by an MSA trained and certified repair person before using. Failure to follow this warning can result in serious personal injury or death.

Customers must perform this procedure by following the steps in this Product Information Notice (PIN Article # 10198424) at the following times:

- Upon initial receipt of the PIN Article or Inspection Notice
- After each time that a connection is made to a UAC/Quick Fill Coupler
- During annual flow testing

This inspection procedure applies to all models of MSA SCBA, portable air-supply systems, and RIT Kits that includes a UAC/Quick-Fill Coupler.

Figure 1 Tool PN 10197862

Figure 2 Dust Pin Assembly with UAC

The following instructions describe how to inspect the UAC/Quick-Fill Coupler.

NOTE: Minimize background noise during inspection

Figure 3

1. Confirm that the dust pin assembly can be fully seated into the UAC/Quick-Fill coupler at its normal resting position as seen in Figure 3. Prior to pressurization, confirm the dust pin has no resistance issue while being inserted into the UAC/Quick-Fill coupler.

Figure 4

   a. If there is difficulty with the dust pin assembly being inserted and/or it does not fully sit into the UAC/Quick-Fill coupler as seen in Figure 4, record as a fitting needing action.

2. Connect a full MSA supplied cylinder to your SCBA per the SCBA Operating manual and pressurize. CARE Certified Technicians may use an equivalent Pressure Source of Grade D Breathing Air.

Figure 5

3. Using the tool (PN 10197862), align the tool as shown in Figure 5 with the lip against dust pin assembly cover.

Figure 6

4. Press the tool firmly against the dust pin assembly until one can feel it depress into the coupler or the dust cover meets the hex body of the coupler, as shown in Figure 6.

5. While testing, no air leak is the desired outcome. Record this condition as proper functionality.

6. Residual air may have been present during testing which can contribute to a quick pop sound. As long as it does not continue, record this condition as proper functionality.

7. If the unit has a steady hissing, safely remove pressure from the unit, reseat the dust pin assembly and retest. If the hissing is still present, record this as a fitting with action needed and remove the SCBA or RIT Kit from service. If the hissing does not occur during the retest, it can be recorded as proper functionality.

8. If the unit has a significant burst/continuous air leak while testing, record this as a fitting with action needed and remove the SCBA or RIT kit from service.

9. Record condition as a Proper Functionality or Action Needed. See table "*Record condition*"

10. Safely remove pressure from the unit.

11. Once your population has been tested and results have been confirmed, contact MSA Issues Resolution Group at 1-866-672-6977 to address affected fittings needing action. These fittings will be addressed with a replacement fitting either installed by a CARE Certified Repair Technician or through an MSA factory repair.

Condition	**Criteria**	**Inspection Observation**
Proper Functionality	**No Air Leak**	**No audible leak when dust pin is pressed**
Action Needed	Unable to Fully Seat Dust Pin	Visually observed in Figure 4. Expected leak if test can be performed.
	Repeatable Hissing	Continuous hissing after two test attempts with reseating of the dust pin assembly between tests.
	Significant Burst/Air Leak	Audible air leaking continuously when the dust pin is pressed.

Record condition

SCBA Number	Proper Functionality	Action Needed			Comments
	No Air Leak	Unable to Seat Dust Pin	Hissing	Significant Burst/Continuous Air Leak	