

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, reseal 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 resealing of the dust pin assembly between tests.
	Significant Burst/Air Leak	Audible air leaking continuously when the dust pin is pressed.

Record condition

