

Product Information News

INSPECTION OF GAUGE HOSES WITH SWIVEL NUT

This notice applies specifically to hoses manufactured by Sierra Precision Hoses and supplied under MSA part numbers 495793 and 495766. These high pressure hoses contain swivel nut on the gauge end of the hose. Over time, dirt and debris can collect at the swivel nut/ferrule area causing the assembly not to swivel when apparatus is pressurized. Should this occur and the ferrule (insert) begin to unthread from the swivel nut, the hose assembly could eventually separate. This PIN includes a new inspection and cleaning procedure designed to check for this condition and remove the dirt thereby extending the useful life of the hose.

The attached pages include the Inspection for Gauge Hose with Swivel Nut. The inspection procedures must be used in place of the existing instructions for the applicable sections. For convenience, place copies of the attached pages in the instruction manual binders and remove the appropriate existing pages.

The inspection and maintenance procedure authorized in this PIN (Product Information News) article is classified Certified Maintenance and must be performed by an MSA Certified Air Mask Technician. Refer to the appropriate Illustrated Parts List as an additional reference.



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

MSA

Be Sure.
Choose MSA.

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

INSPECTION

This Gauge Hose with Swivel Nut Inspection must be performed as part of the After Each Use and Monthly Component Inspection and Functional Checks.

Inspection must consist of verification of visual and a go/no go Gap Gage Test, ensuring that the hose nut swivels freely when apparatus is not pressurized.

- A visual inspection must be conducted as part of the After Each Use and Monthly Component Inspection and Functional Checks to ensure the hose nut swivels freely when the apparatus is not pressurized.
- If the hose nut does not swivel freely, the hose assembly must be cleaned first and then inspected with the Gap Gage Tool (P/N 10053229).

Note: If hose swivel does not move freely when pressurized, it must be cleaned by a Certified Technician using the following procedures.

Note: There is a gap between the swivel nut base and ferrule nut shoulder of the hose.

- A gap greater than 0.080 inch thickness, the apparatus must be removed from service and the Hose Assembly must be replaced.

Inspection

With apparatus not pressurized (no pressure on the system):

1. The hose assembly must be cleaned first and then inspected. (see Cleaning Hose Swivel section).
2. Perform a visual inspection of hose swivel nut ensuring rotates freely. The hose swivel nut must swivel freely.
3. A Gap Gage Test must be performed. (See Gap Gage Test section).

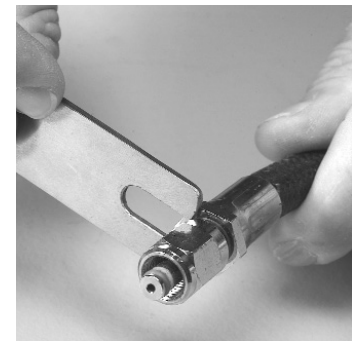
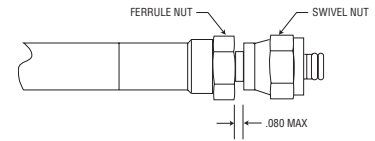
Cleaning Hose Swivel

1. Apply alcohol to a Q-Tip applicator.
 - a. Wipe the swivel nut and ferrule nut (insert).
2. Let alcohol dry for 15 seconds.
3. Perform the Gap Gage Test after cleaning ensuring the gap has not changed.

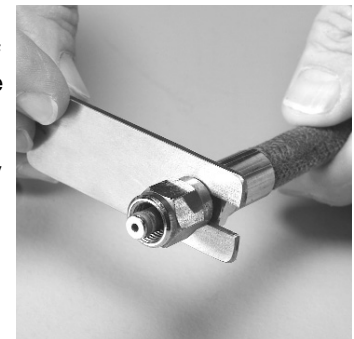
Gap Gage Test

Using the Gap Gage:

1. The gap gage **must not** slide in between the ferrule nut (insert) and the swivel nut. A gap greater than 0.080 inch thickness is an indicator that the ferrule nut (insert) is unthreading from the hose.



2. Any hose with a gap of 0.080 inch or more, the apparatus must be removed from service and the hose assembly must be replaced.



3. The hose must be replaced by an MSA Certified Air Mask Technician with a new Hose Assembly P/N10004650.

Note: Leak Testing must be performed when the SCBA fails any of the inspection steps; following disassembly; or, as part of a regularly-scheduled maintenance procedure. The SCBA must hold system pressure without leaks to provide adequate protection. The component leak test procedure is the first step in trouble-shooting. These tests ensure that you do not have a leak. Leak testing quickly identifies components which need repair or replacement. Use P/N 600920 leak test solution, or prepare a soapy water solution. Be sure to use enough soap to produce bubbles.



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



Be Sure.
Choose MSA.

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