

User Safety Notice

SCBA Cylinder Quick Connect Adapter

April 21, 2016

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

Dear MSA SCBA Customer,

MSA has received field reports of SCBA cylinder male quick connect adapters cracking, which have resulted in a rapid loss of cylinder air. No injuries were reported. Our investigation into these occurrences confirmed that the primary cause of the cracking was due to over torquing the adapter when installed on the cylinder valve. This can cause excessive stress, which over time can cause the adapter to unexpectedly crack.

Quick connect adapters installed without the use of a calibrated torque wrench may have been over torqued and could have suffered undetectable and irreparable damage. These adapters must be removed from service and replaced. Quick connect adapters that were properly installed are safe to use.

Installation of the quick connect adapter is explained in Section 12.3 (page 71) of the Operating Manual, provided with the SCBA. If you installed any quick connect adapters and need to replace them due to improper installation, please contact your local MSA distributor to order replacements. The part numbers are 10149702-SP (4500/5500 psi) and 10149701-SP (2216 psi). If your quick connect adapters were installed for you by your MSA distributor, please contact them to confirm proper installation and for assistance.

For your reference, the installation instructions are reprinted below:

12.3 Installing Quick Connect Adapter to Cylinder



NOTE: A calibrated torque wrench with 24 mm open end Crowsfoot is required for installation.

1. Use only a fully charged cylinder and inspect the external threads of the cylinder valve to ensure they are not damaged and free of dirt and debris.
 - The bore of the cylinder valve must be undamaged and free from dirt and debris.
 - If the cylinder valve is damaged, remove from service and return it to a MSA trained or certified repair technician.
2. Inspect the internal threads and nipple of the male adapter to ensure it is not damaged and free of dirt and debris.
 - Ensure that the O-ring is installed on the nipple and free of dirt and debris.
3. Thread the adapter onto the cylinder valve.
 - Securely hold the cylinder assembly and tighten the male adapter to the valve to a torque of 13 - 15 ft-lbs (18 - 20 Nm) using the torque wrench.

Please note that MSA recently changed the minimum torque requirement in the operating manual from 14 ft-lbs to 13 ft-lbs; however, the maximum allowable torque has remained at 15 ft-lbs since the launch of the quick connect adapter accessory. Also since launch, MSA has made available a torque wrench kit (p/n 10164604 and Crowsfoot adapter (p/n 10164582), as shown in the photo below, to allow for proper installation of the cylinder quick connect adapter. The Crowsfoot and torque wrench must be at a right angle to produce an accurate torque.



Upon installation of replacement quick connect adapters, it is important to discard the old adapters so they are not reused.

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.

Thank you for your prompt response to this situation. Your safety and continued satisfaction with our products is most important to us.

Best regards,

Charles J. Seibel, Jr.
Manager of Product Safety