

**TECHNICAL SERVICE BULLETIN****Bulletin No.:** CYL-TSB-005**Date:** June 11, 2014**Subject:** CNG Cylinder Valve Adaptor**Models:** Quantum Type 4 CNG Cylinders with Aluminum Boss**Background**

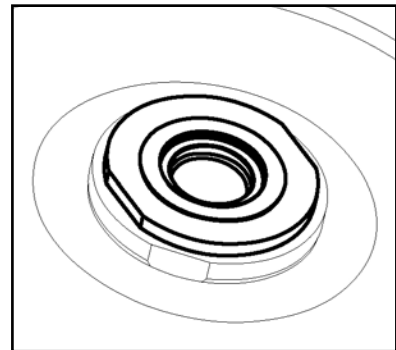
All Quantum type 4 cylinders use a valve adapter fitting that threads directly into the cylinder boss. This valve adapter fitting is locked in place and is not expected to move for the life of the cylinder.

**Condition**

In some cases the CNG cylinder valve adapter fitting may rotate during CNG cylinder valve installation or removal. If the valve adapter fitting is inadvertently removed from the cylinder, it cannot be reinstalled and the cylinder must be replaced.

Not all Quantum type 4 CNG cylinders with Aluminum bosses are affected,

A list of the affected CNG cylinder part numbers and lot numbers are included in this bulletin.

**Cause**

A chemical thread locking method is used to ensure the CNG cylinder valve adapter fitting does not move once installed. Certain cylinders may have experienced contamination that could cause the chemical thread locking compound not to bond to one of the mating surfaces.

**Correction**

Any technician servicing a Quantum type 4 CNG cylinder must observe the CNG cylinder valve adapter and note if any movement occurs.

If the CNG cylinder valve adapter rotates during installation of a CNG cylinder valve, no action is required. The CNG cylinder valve can be installed and tightened to the recommended value.

**⚠ DANGER** If the CNG cylinder valve adapter is removed from the Quantum type 4 CNG cylinder it cannot be reinstalled and the cylinder must be replaced. Any attempt to reinstall the adapter may result in damage to the CNG cylinder liner and will result in death or serious injury.

If the CNG cylinder valve adapter begins to move during a CNG cylinder valve removal procedure, the technician must stop immediately.

The technician must contact Quantum Technologies to obtain the proper tool to hold the CNG cylinder valve adapter from rotating during the CNG cylinder valve removal process. The CNG valve adapter holding wrench will be supplied at no cost to the customer.

**Parts Information**

701494 - Cylinder Valve Adaptor Tool

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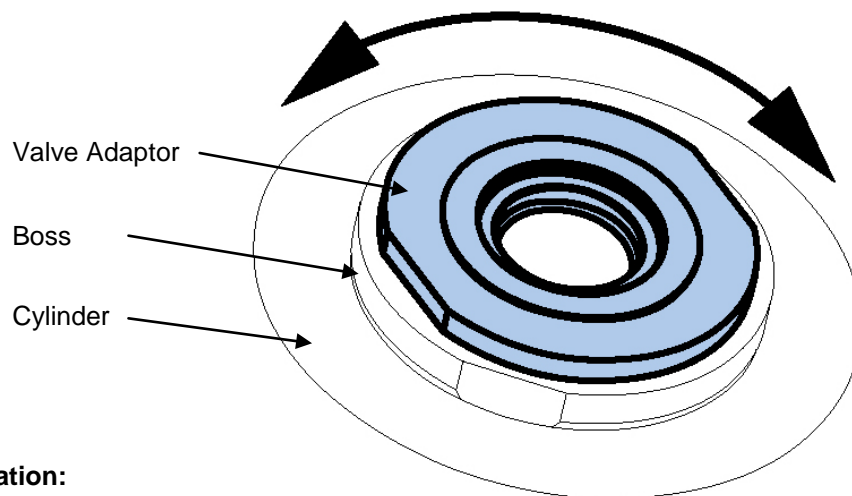
The cylinder lot number can be identified by viewing the 10<sup>th</sup> & 11<sup>th</sup> digit in the Serial Number.

Sample Serial Number: C14015344**EW**605

In this example, the lot number “**EW**” has been identified.

Cylinders that are affected were manufactured between: May 6, 2013 and April 15, 2014

Part Number	Description	Cylinder Lot Number
112744	274L-Canada 21" x 60"	DE
		DF
		DM
		DS
		DT
112744-001	274L-US 21" x 60"	DU
		EC
		EN
		ES
		FJ
114093	534L 25" x 80"	EJ
		EP
		ET
		EW
		FA
114788	368L 21" x 80"	FG
		EH
115174	368L-Collar Mount 21" x 80"	EQ
		FC



**Contact Information:**

E-Mail: [QTService@qtw.com](mailto:QTService@qtw.com)

Phone: 800.816.8691

Fax: 949.930.3401