

TECHNICAL SERVICE BULLETIN

Bulletin No.: TSB-034

Date: September 21, 2018

Subject: Cylinder Collar Bolt Replacement

Models: Select 3600 PSI Quantum Virtual Pipeline Trailers

Background

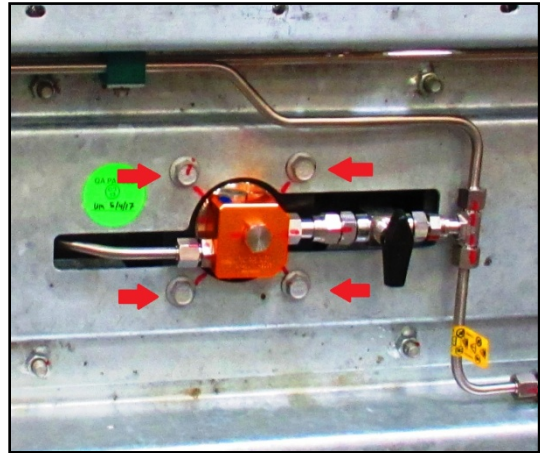
Quantum Virtual Pipeline (VP) trailers utilize a collar and multiple fasteners to secure to the upper cross member to support the cylinder assemblies in the trailer.

Condition

Some Quantum VP trailers have been found to have the upper cylinder support collar fasteners to be loose or broken.

Cause

The finish on the cross members used in some of the Quantum VP trailers can have an effect on the ability of the upper cylinder support collar fasteners to retain torque. The finish can creep from under the head of the bolt over time, which can result in a loss of torque on the fastener.

**Correction**

A new fastening technique has been developed to help distribute the load to reduce the effect of the cross member finish. In addition a new longer bolt was added to accommodate the addition of a locking washer.

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All VP Trailers:

Labor OP Time: Straight Time ~12 Hours

Parts Information

Description	Part Number	Qty
BOLT, HEAVY HEX M12 X 40MM	S1-20298-008	208
WASHER- LOCKING, M12 NORD	119454-004	208
PLATE- UPPER COLLAR BOLT, VP	119455	104

Application

All VP Trailers with painted or powder coated cross members.

VP Model	Container Serial Number
VP 650	7500B000041160001 - 7500B000046160003
VP Lite	7500B200002170001 - 7500B3Q00014170016

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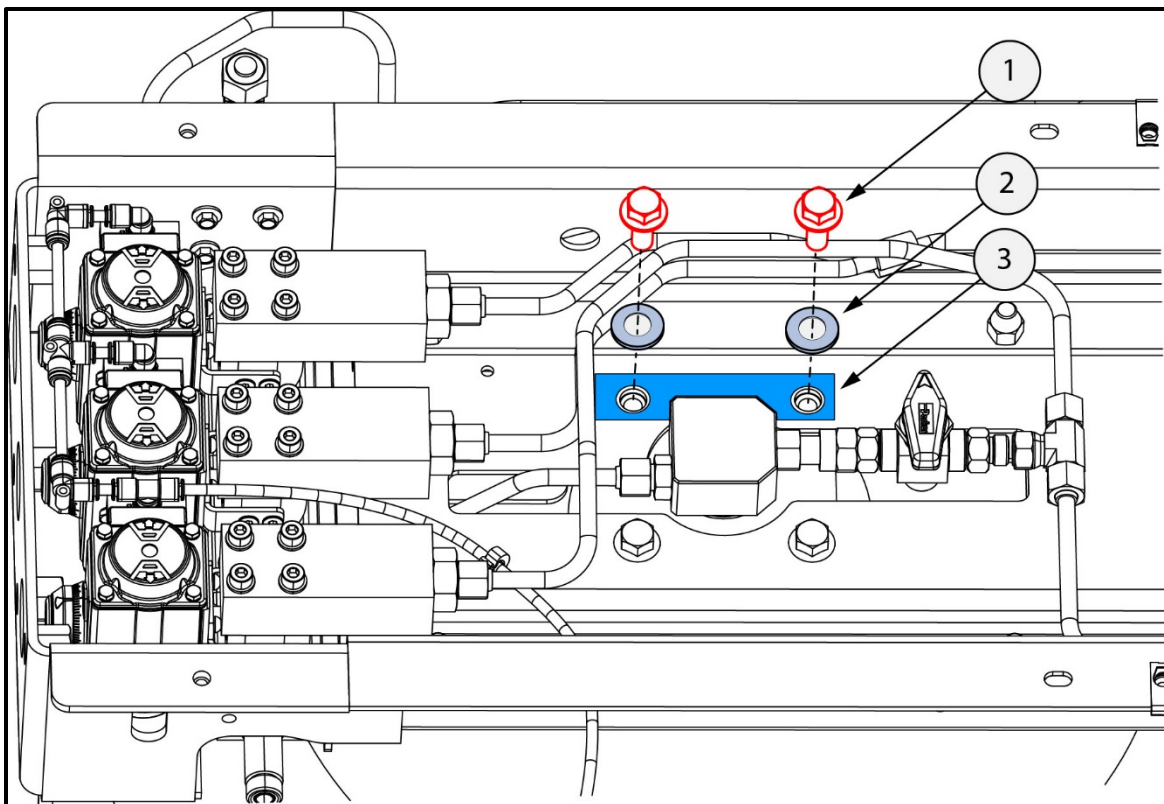
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TECHNICAL SERVICE BULLETIN

Upper Cylinder Collar Fastener Replacement

The following procedure is for replacement of the upper cylinder collar fasteners on all Quantum VP trailers with painted or powder coated cross members.

This procedure is only applicable for trailer serial numbers ending in 0001 thru 0016



1. Remove two of the bolts (1) retaining the upper cylinder collar and discard.
2. Place the bolt plate (3) in position as shown.
3. Install lock washers (2) on two new bolts (1) and hand start. Make sure the washer is oriented as shown in the picture.
4. Tighten the upper collar bolts to 66 lb.ft. (90 N.m.).
5. Repeat steps 1-4 for the other two upper collar mounting bolts.
6. Repeat this procedure for every cylinder in the affected trailers.

