

TECHNICAL SERVICE BULLETIN

Bulletin No.: TSB-027

Date: November 17, 2017

Subject: VP Roof Panel Fasteners

Models: All Quantum Virtual Pipeline Trailers

Background

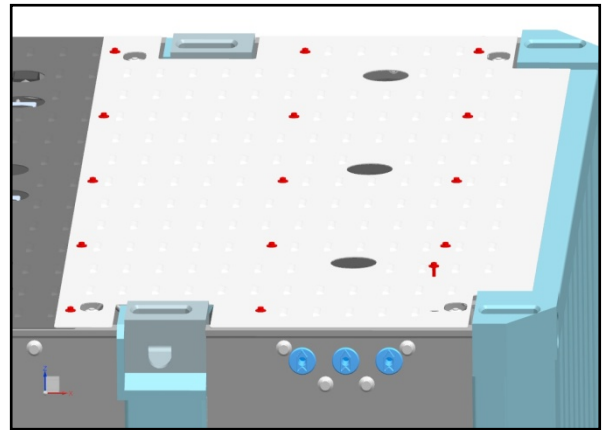
Quantum Virtual Pipeline (VP) trailers utilize a number of individual roof panels held in place by standard automotive grade fasteners. These fasteners have an anti corrosion coating that can act like a lubricant.

Condition

Some customers operating Quantum VP trailers have reported the loss of roof panel fasteners.

Cause

Quantum has determined that due to the low friction characteristics of the fasteners in conjunction with uneven or inadequate torque, this may result in a loss of preload on these fasteners and subsequent loss of the fastener.

**Correction**

Quantum has developed and released a new U-Nut that incorporates a deformed thread locking feature; installation of this new U-Nut will prevent loss of roof panel fasteners.

TECHNICAL SERVICE BULLETIN**Labor Time**

All VP Trailers :

Labor OP Time: Straight Time ~6.0 Hours

Parts Information

Description	Part Number
NUT- U TYPE, M8 (Qty 180)	118731-012
SCREW- CONICAL WASHER, M8 (Qty 30)	S1-20381-008

Application

The following VP Trailers should be inspected and if not already complete have new U-Nuts installed for all roof panel fasteners.

The trailers can be identified by referencing the information contained on the manufacturers label inside the left hand door.

VP Serial Number	VP Model Number
7500B000041160001 - 7500B000046160003	118195 – VP 650
7500B200002170001 - 7500B2Q00010170012	118388 – VP Lite
7500B3Q00011170013 - 7500B3Q00014170016	118636 – VP Lite
7500B6Q00018170017 - 74000B6000028170021	118796 – VP Lite

Contact Information:E-Mail: QTSservice@qtw.com

Phone: 800.816.8691

Fax: 949.930.3401

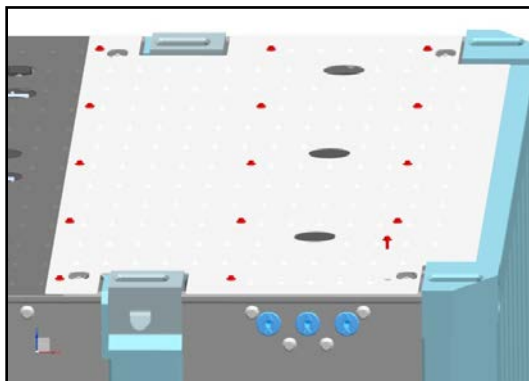
TECHNICAL SERVICE BULLETIN

R&R Roof Panel

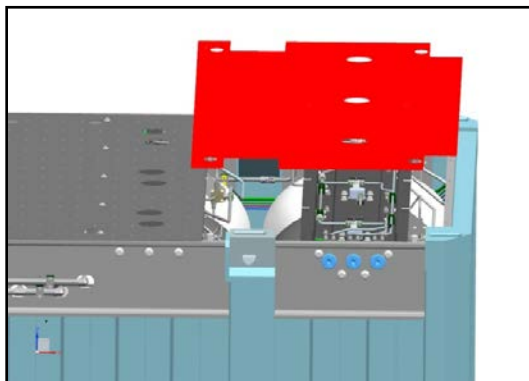
The following procedure may be used as a guide to replace roof panel U-Nuts. Removal and replacement of the front roof panel is shown, all others are similar. It is recommended to remove panels working from front to rear and install panels in reverse order.

Removal

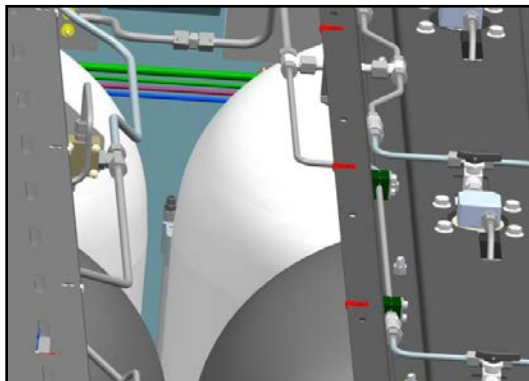
1. Remove and retain the fasteners securing the roof panel.



2. Mark the roof panel to indicate its position on the trailer. Remove and retain the roof panel.

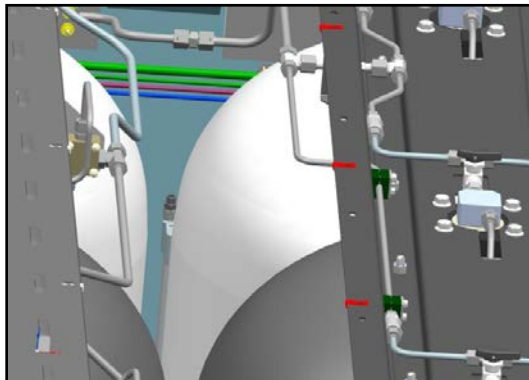


3. Remove and discard the U-Nuts from the cross members.



TECHNICAL SERVICE BULLETIN**Installation**

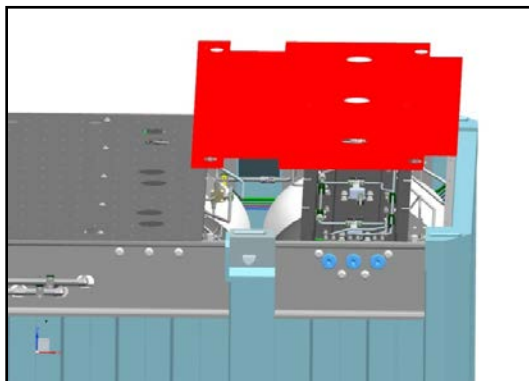
1. Install new U-Nuts for the roof panel fasteners.



2. Locate the roof panel that was marked during removal for the position being installed. Place the roof panel in the position and align as needed.

IMPORTANT: Use care when positioning the panels, when sliding the panels across the cross members, the edge of the roof panel can catch and knock off the U-Nuts.

Where panels overlap, the forward panel should always be on top of the panel to the rear.



3. Loose fit all the roof panel fasteners; be sure to replace any fasteners that may have been missing prior to disassembly.
4. Tighten fasteners to 22 ft. lbs (30 Nm.)

