

TECHNICAL SERVICE BULLETIN**Bulletin No.:** TSB-038**Date:** April 8, 2019**Subject:** Pratt Chassis Chafe Concern**Models:** Select Quantum Virtual Pipeline Trailers**Background**

Quantum Virtual Pipeline (VP) trailers are transported on a custom chassis, these chassis are purchased from various suppliers but all have similar features. Some of the early chassis required an insert to help support the front cross member of the container, later production chassis have the extra support welded in from the manufacturer.

Condition

Some Quantum VP trailers mounted on Pratt chassis have been found to have a chafe concern between the chassis wiring and the chassis insert that was added as directed by TSB-031. The air brake supply lines may also be exposed to possible chafe damage and should also be inspected.

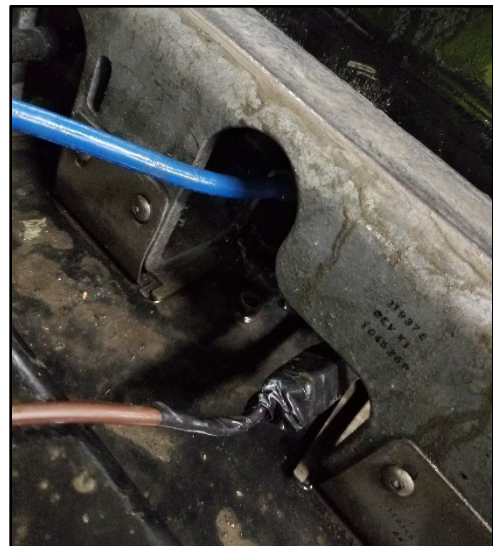
Cause

Some of the chassis wiring and or brake lines in the chassis, do not have enough slack to allow for a routing that does not cause the wire(s) to abrade on the corner of the chassis insert. There is also opportunity for the air brake lines to abrade on the chassis insert due to length and routing.

Correction

For the trailers indicated on this bulletin, the container must be separated from the chassis to allow for an inspection of the air brake lines and chassis wiring.

Any chafe damage to the wire harness and or air brake lines must be corrected according to industry standard practices and appropriate chafe protection installed as needed to protect the affected harness and air brake lines from further chafe damage.



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The estimated labor time to complete this repair is between 1.5 - 3.0 hours.

All VP Trailers with Pratt Chassis:

Labor OP: G0007

Time: Approval Required

Parts Information

| Description | Part Number | Qty |
|-----------------|-------------|-----|
| SEAL- LATCH, VP | 118998-001 | 2 |
| SHOP SUPPLIES | N/A | A/R |
| | | |

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Application

All VP Trailers within the Serial Number ranges identified below.

| VP System Serial # | Chassis VIN# | Chassis Manufacturer | Container Number |
|--------------------|-------------------|----------------------|------------------|
| 7500B200002170001 | 1P9CC4521HB343136 | Pratt | HPCU600084 7 |
| 7500B200002170002 | 1P9CC4527HB343138 | Pratt | HPCU600085 2 |
| 7500B200002170003 | 1P9CC4523HB343137 | Pratt | HPCU600086 8 |
| 7500B200002170004 | 1P9CC4527HB343139 | Pratt | HPCU600089 4 |
| 7500B200005170005 | 1P9CC4529HB343141 | Pratt | HPCU600124 7 |
| 7500B200005170007 | 1P9CC4522HB343145 | Pratt | HPCU600120 5 |
| 7500B200008170009 | 1P9CC4520HB343144 | Pratt | HPCU600122 6 |
| 7500B200009170010 | 1P9CC4523HB343140 | Pratt | HPCU600123 1 |
| 7500B300010170011 | 1P9CC4528HB343026 | Pratt | HPCU600119 1 |
| 7500B2Q00010170012 | 1P9CC4521JB343028 | Pratt | HPCU600087 3 |
| 7500B3Q00011170013 | 1P9CC452XJB343027 | Pratt | HPCU600125 2 |
| 7500B3Q00012170014 | 1P9CC4523JB343029 | Pratt | HPCU600116 5 |
| 7500B3Q00014170016 | 1P9CC4546GB343651 | Pratt | HPCU600118 6 |
| 7500B6Q00018170017 | 1P9CC4525JB343033 | Pratt | HPCU600126 8 |
| 7500B6Q00018170018 | 1P9CC4523JB343032 | Pratt | HPCU600135 5 |
| 4000B6000023170019 | 1P9CC4520JB343035 | Pratt | HPCU600134 0 |
| 4000B6000024170020 | 1P9CC4527JB343034 | Pratt | HPCU600131 3 |
| 4000B6000028170021 | 1P9CC4520JB343036 | Pratt | HPCU600133 4 |
| 4000BC000042180063 | 1P9CC4521KB343046 | Pratt | QTMU450038 8 |
| 4000BC000003180064 | 1P9CC4527KB343049 | Pratt | QTMU450040 7 |
| 4000BC000003180065 | 1P9CC4523KB343047 | Pratt | QTMU450036 7 |
| 4000BC000005180066 | 1P9CC4528X8343045 | Pratt | QTMU450045 4 |
| 4000BC000006180067 | 1P9CC4528KB343044 | Pratt | QTMU450044 9 |
| 4000BC000007180068 | 1P9CC4526KB343043 | Pratt | QTMU450043 3 |
| 4000BC000008180070 | 1P9CC4523KB343050 | Pratt | QTMU450039 3 |
| 4000BC000009180071 | 1P9CC4525KB343048 | Pratt | QTMU450042 8 |
| 4000BC000019180082 | 1P9CC4525KB343096 | Pratt | QTMU450052 0 |
| 4000CA000039180083 | 1P9CC4523KB343095 | Pratt | QTMU450059 9 |
| 4000CA000039180084 | 1P9CC4520KB343099 | Pratt | QTMU450063 9 |
| 4000CA000040180085 | 1P9CC4521KB343094 | Pratt | QTMU450056 2 |
| 4000CA000042180086 | 1P9CC4525KB343051 | Pratt | QTMU450057 8 |
| 4000C9000040180088 | 1P9CC4529KB343098 | Pratt | QTMU450075 2 |
| 4000C9000040180089 | 1P9CC4527KB343097 | Pratt | QTMU450074 7 |
| 4000C9000041180090 | 1P9CC4525KB343101 | Pratt | QTMU450067 0 |
| 4000C9000041180091 | 1P9CC4527KB343102 | Pratt | QTMU450073 1 |
| 4000C9000041180092 | 1P9CC4523KB343100 | Pratt | QTMU450071 0 |
| 4000C9000041180093 | 1P9CC4529KB343103 | Pratt | QTMU450069 1 |