



EVR Tips & Tricks

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Introduction

Drive offs are violent events where sometimes the damage to the hanging hardware equipment is clearly visible, but often it is not.

Below are ways to further investigate what could be “hidden” damage.

Liquid removal issues

Drive-offs frequently cause damage to the liquid removal devices in a hose.

- The most common failure is when the pickup point of the liquid removal tube moves up the hose after the hose is stretched during a drive off.
- This stretching causes the pickup point to just suck air rather than clearing the fuel from the outer vapor hose.
 - Liquid removal failure leads to ISD Alarms and service calls.
- Although the VST platinum hoses with the anti-stretch cable are mostly immune to liquid removal pickup point movement, I recommend doing a quick liquid removal test by fueling your own service vehicle after the reconnection.

1. Add around 100 ml or so to the vapor path and fuel up your vehicle. Four gallons should be enough fuel to clear the vapor path.
2. Drain the hose after fueling.
 - If you can drain fuel back out, you likely have an incorrectly located pickup point, which means you need to replace the hose.

Vapor leaks

Drive-off damage can also cause vapor hose failure which sometimes is not visible to the naked eye.

- I recommend testing the entire hose assembly after breakaway reconnection for vapor leaks.
 - This testing can be done quickly, and you can be sure the site won't go into ISD Vapor Leakage alarm in a week, which means you'll be making a return trip to the site.
1. Use a lawn/garden sprayer if you don't have nitrogen or other pressure source.

VST Mission

To design and manufacture innovative products for retail refueling systems that are specifically engineered to protect the environment and consumers with safety and reliability.

VST Values

- R:** Respect Employees, Customers, Vendors, and Environment
- O:** Operational Excellence, Quality, Delivery, Safety & Cost
- I:** Innovative Passion, Unique, Industry Leader, and Committed to Excellence

VST Vision

VST strives to become the most trusted company in the global gasoline dispensing industry by manufacturing environmentally sustainable products and solutions that reduce harmful vapor emissions to create a future that protects the communities in which people live and work every day.



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Best Practices after a Drive-Off Event with Balance Hanging Hardware

2. Use a separated breakaway half with a hole drilled and tapped in the side.
(See photo).
 - I used a 1/4" NPT to hose barb to build my test adapter
3. Use a magnahelic gauge or manometer to test up to 10 IWC. Do not apply pressure above 5 psi.
4. Submerge the equipment in water to quickly pinpoint any leaks.



Separated breakaway half with a hole drilled and tapped in the side.

These two quick tests will provide you with a thorough understanding of the condition of the hanging hardware post drive-off.

Why not do the job right, the first time?

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