

## Drive-Offs and Other Customer Abuse

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If the hanging hardware components are involved in a drive-off or if they incur some customer abuse, and they are not replaced as new, each individual component of the hanging hardware **must be visually inspected and functionally tested** before the components can return to dispensing fuel.

- ▶ A visual assessment and functional tests are outlined in the following pages.

**ANY COMPONENT THAT DOES NOT PASS A VISUAL INSPECTION OR FUNCTIONAL TEST MUST BE REPLACED.**

**IF THE VST BREAKAWAY WITH THE BLACK RETENTION BAND (AND UL LABEL STATING NON-REATTACHABLE) OR THE EMCO BREAKAWAY IS INVOLVED IN A DRIVEOFF, IT MUST BE REPLACED. THESE BREAKAWAYS ARE NON-RECONNECTABLE.**

**IF THE VST BREAKAWAY WITH THE GRAY RETENTION BAND (AND UL LABEL THAT STATES REATTACHABLE) OR THE OPW BREAKAWAY IS INVOLVED IN A DRIVEOFF, IT MAY BE RECONNECTED. THESE BREAKAWAYS ARE RECONNECTABLE.**



Before beginning work, barricade the work area to block customer use.

## 1 Drive Offs & Other Customer Abuse: Perform a Visual Assessment

Visually inspect the hanging hardware system as follows to determine the extent of the damage:

Action	Test Procedure	Corrective Action	Reference Material	Authorized Personnel
Perform a thorough visual examination of the exterior of the whip hose and the curb hose for any obvious imperfections.	Obvious imperfections include, but are not limited to: Damage to the swivels Damage to the couplings Kinks / flat spots Tears to the outer hose	Replace with new hose(s).	IOM-8	<b>Hose replacement:</b> GDF Owner/Operator or VST ASC Levels A, B, C, or D or EMCO Level A for ContiTech Hose
	If there are no imperfections to the whip and curb hose, those hoses may be reused.	Reassemble hose(s).	IOM-8	GDF Owner/Operator or VST ASC Levels A, B, C, or D or EMCO Level A for ContiTech Hose
Perform a thorough visual inspection of the nozzle for any obvious imperfections.	Obvious imperfections include, but are not limited to:  <u>VST Nozzle:</u> Damaged spout (broken, bent); Damage to the face seal, collection sleeve / interlock rod assembly; Broken face seal; Torn collection sleeve; Bent interlock rod; Nozzle alignment marks; Damage to the lever and lever guard.	Replace damaged components where applicable.	IOM-7	<b>Nozzle repair:</b> VST ASC Levels A, B, C, or D or EMCO Level A
	<u>EMCO Nozzle:</u> Damage spout, broken or bent; Damage to the insertion interlock rod; Torn boot face or bellows; Damage to the lever, hold open latch and lever guard; Missing band clamp, serial plate and security rivet.	Replace with new nozzle.	IOM-6	<b>Nozzle replacement:</b> GDF Owner/Operator or VST ASC Levels A, B, C, or D or EMCO Level A

Perform a thorough visual inspection of the breakaway for any obvious imperfections.	<u>VST (Non-Reattachable ) / EMCO Breakaway</u> Non-re-connectable. Breakaway separated.	Replace with new breakaway	IOM-9	<b>Breakaway replacement:</b> GDF Owner/Operator or VST ASC Levels A, B, C, or D or EMCO Level A
	<u>VST (Reattachable) / OPW Breakaway</u> Re-connectable. Breakaway separated,	Replace or repair breakaway	IOM-9	<b>Breakaway replacement / repair:</b> GDF Owner/Operator or VST ASC Levels A, B, C, or D or EMCO Level A
<b>If no imperfection or damage is visibly evident, proceed to functional testing.</b>				

## Function Testing Description

Perform the following functional tests prior to re-using a hose, breakaway or a nozzle following a drive-off:

Test	Test Procedure	Corrective Action	Authorized Personnel
Leak Check	<p>Verify that there are no liquid leaks in all components.</p> <p>Dispense fuel and check each connection between the components.</p> <p>A visual inspection of the nozzle can determine any obvious liquid leaks.</p>	<p>Any component that does not pass the functional test must be replaced.</p> <p>Go to IOM 6, 8, and 9</p>	<p>GDF Owner/Operator or VST ASC Levels A, B, C, or D or EMCO Level A</p>
Meter Creep	<p>Checking for meter creep will verify the integrity of the connections.</p> <p>Dispense 1/10 to 2/10 of a gallon of fuel into an approved container then release lever and move components around and/or gently shake the hose and verify if the displace amount on the dispenser changes.</p>	<p>Any component that does not pass the functional test must be replaced.</p> <p>Go to IOMs 6, 8, and 9</p>	<p>GDF Owner/Operator or VST ASC Levels A, B, C, or D or EMCO Level A</p>
Automatic Shut-Off and Insertion Interlock	<p>The insertion interlock mechanism shall not allow dispensing when the bellows is uncompressed as determined by direct observation or GDF-09 (See Vapor Recovery Defects list).</p>	<p>Repair or replace the nozzle</p> <p>Go to IOM-6 or IOM-7</p>	<p><b>Nozzle replacement</b> GDF Owner/Operator or VST ASC Levels A, B, C, or D or EMCO Level A</p> <p><b>Nozzle repair</b> VST ASC Levels A, B, C, or D or EMCO Level A</p>
Resistance	IOM-6	<p>Any component that does not pass the functional test must be replaced.</p> <p>Go to IOM 6, 8, and 9</p>	<p>GDF Owner/Operator or VST ASC Levels A, B, C, or D or EMCO Level A</p>