

## 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 BREAKAWAY IS INVOLVED IN A DRIVEOFF, IT MUST BE REPLACED.**

**THE BREAKAWAY IS NON-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 VST hose(s).	IOM-12	<b>Hose replacement:</b> GDF Owner/Operator or VST ASC Levels A, B, or C
	If there are no imperfections to the whip and curb hose, those hoses may be reused.	After reassembly, conduct required functional tests.	IOM-12	VST ASC Levels A, B, or C
		If the functional tests fail, replace the hose(s).	IOM-12	GDF Owner/Operator or VST ASC Levels A, B, or C
Perform a thorough visual inspection of the nozzle for any obvious imperfections.	Obvious imperfections include, but are not limited to: 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-11	<b>Nozzle repair:</b> VST ASC Levels A, B, or C
		Replace with new VST nozzle.	IOM-10	<b>Nozzle replacement:</b> GDF Owner/Operator or VST ASC Levels A, B, or C
<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 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 10, 12, and 13</p>	GDF Owner/Operator or VST ASC Levels A, B, or C
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 10, 12, and 13</p>	GDF Owner/Operator or VST ASC Levels A, B, or C
Automatic Shut-Off and Insertion Interlock	<p>Section 10</p> <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-11</p>	<p><b>Nozzle replacement</b></p> <p>GDF Owner/Operator or VST ASC Levels A, B, or C</p>
			<p><b>Nozzle repair</b></p> <p>VST ASC Levels A, B, or C</p>
Resistance	Section 10	<p>Any component that does not pass the functional test must be replaced.</p> <p>Go to IOM 10, 12, and 13</p>	GDF Owner/Operator or VST ASC Levels A, B, or C