

## 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:<br>Damage to the swivels<br>Damage to the couplings<br>Kinks / flat spots<br>Tears to the outer hose   | Replace with new VST hose(s).                        | IOM-12             | <b>Hose replacement:</b><br>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:<br>Damaged spout (broken, bent)<br>Damage to the face-seal collection sleeve / interlock rod assembly<br>Broken face seal<br>Torn collection sleeve<br>Bent interlock rod<br>Nozzle alignment marks<br>Damage to the lever and lever guard | Replace damaged components where applicable.         | IOM-11             | <b>Nozzle repair:</b><br>VST ASC Levels A, B, or C                            |
|   |   | Replace with new VST nozzle.                         | IOM-10             | <b>Nozzle replacement:</b><br>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   |