

## Poor Fuel Fill Quality

Problem	Causes
DEFINITION: During the fueling process a continual, occasional or no fuel nozzle shut-off condition has occurred.	
Difficult to fill	<ul style="list-style-type: none"> <li>• Fuel fill limiter vent valve stuck closed</li> <li>• Evaporative emission (EVAP) canister restricted</li> <li>• EVAP vent valve stuck closed</li> <li>• Hose between canister and canister vent solenoid twisted or kinked if applicable</li> <li>• High fuel temperature</li> <li>• Fuel filler hose is kinked</li> <li>• Faulty dispensing nozzle</li> <li>• Ignition switch ON, vent valve closed</li> </ul>
Over fill	<ul style="list-style-type: none"> <li>• Fill limiter vent valve stuck open or leaking</li> <li>• Fuel inlet check valve stuck open</li> </ul>
Pre-mature shut-off of the fuel dispensing nozzle occurs immediately after engaging dispensing nozzle, tank empty	<ul style="list-style-type: none"> <li>• Restricted vapor lines or fuel fill pipe</li> <li>• High fuel temperature</li> <li>• Inlet check valve at tank stuck closed, fill pipe full of fuel</li> <li>• Fuel tank full, gage not accurate</li> </ul>
Pre-mature shut-off of the fuel dispensing nozzle, more than 1/8 of tank capacity dispensed	<ul style="list-style-type: none"> <li>• Kinked, pinched or plugged lines in fuel tank vent system</li> <li>• EVAP vent valve stuck closed or restricted</li> <li>• EVAP canister restricted</li> <li>• Fuel limiting vent valve stuck closed or obstruction at top of fuel tank</li> </ul>
Fuel Spitback	<ul style="list-style-type: none"> <li>• Restricted EVAP canister</li> <li>• High fuel temperature</li> <li>• Ignition switch ON, EVAP vent valve closed</li> </ul>