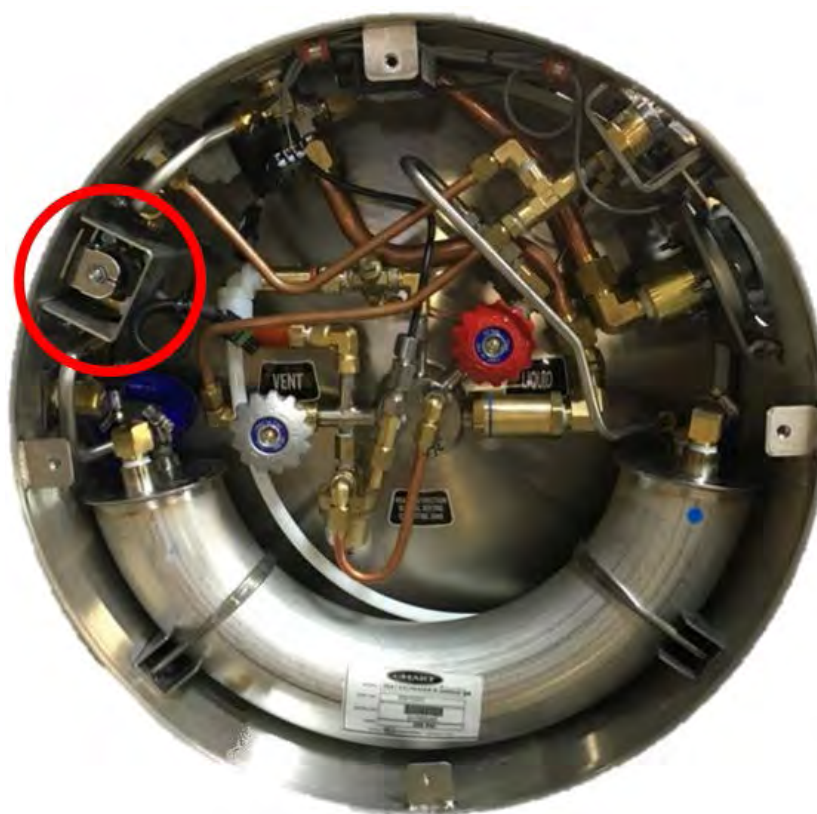
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	Proper Shut-off Solenoid Installation R110			

## OVERVIEW

Chart LNG tanks require the use of a fuel shut-off solenoid to allow fuel supply to the vehicle, and to stop fuel flow when the vehicle's key is in the off position or if there is a loss of supply voltage to the valve. This document will guide the technician through proper orientation of the shut-off solenoid.

The shut-off solenoid is a directional specific valve, and **MUST** be installed in the proper orientation.

## Shut-off Solenoid Valve Orientation



This procedure is intended for use by trained technicians with experience on systems using LNG. Review all applicable safety documents before beginning this procedure.



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## Proper Shut-off Solenoid Installation R110

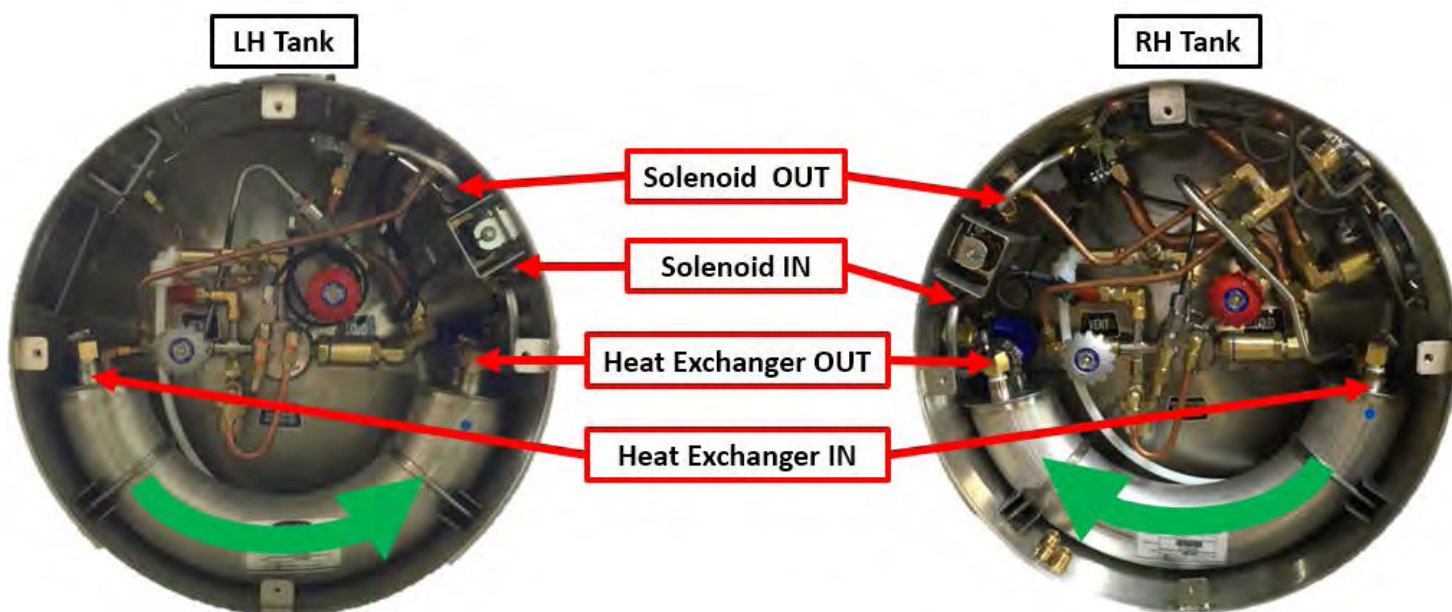
**Valve Orientation** - When replacing a shut-off solenoid on a Chart LNG fuel tank proper orientation is required to insure functionality of the valve.

**WARNING** - If improperly installed, fuel supply will **NOT** shut-off when the vehicle's key is in the off position or if there is a loss of supply voltage (fuel will free flow through the valve). Additionally, there will be no fuel flow through the valve with the key in the "ON" position.

Note in the picture below the valve has indicators for "IN" & "OUT" flow connections:



The solenoid "IN" connection will attach to the heat exchanger "OUT" line from the heat exchanger as seen below. The "IN" & "OUT" for the heat exchanger and solenoid connections are shown below:



This procedure is intended for use by trained technicians with experience on systems using LNG. Review all applicable safety documents before beginning this procedure.