



General Installation Guide for the Hydra-Flo Fueling System

Installation with the **FlowTech Tool Kit** cuts install time in half!

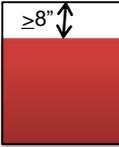
START HERE

You will also need the following:

- Pipe wrench - 24"
- Wrench 9/16", 5/8" and 11/16"
- Ratchet wrench with 3/4" drive
- 1-1/4" Hex socket with 3/4" drive
- #6 JIC Cap
- Drip pan
- Extension ladder
- Fall protection
- Air hose with 1/4" female coupler & at least 30 CFM air supply

Access the top of the fuel tank using ladder & fall protection if necessary. Use the 24" pipe wrench to remove the existing tank vent.

Is the fuel level at least 8" from the top of the tank?



Yes

No

Drain fuel from tank until the fuel level is at least 8" from the top of the tank.

Screw transducer from FT Tool Kit into the open 2" port and plug any additional tank vents.



Connect hose on transducer to air supply and open the valve to allow vacuum pressure on tank to build to -7 to -10 psi.

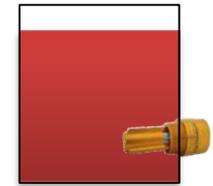


part# HF2FIV2

In the meantime, use the receiver socket from the FT Tool Kit to loosen the fuel receiver but **DO NOT** remove the receiver from the tank.



Use other hand to finish unscrewing fuel receiver. Now **quickly** remove the receiver from the tank at the same time as you insert the FIV. Then hand tighten the FIV and close the vacuum valve and disconnect air hose.



Use the FIV socket in the FT Tool Kit to tighten the FIV. Make sure the pilot line port on the FIV is pointing towards the top of the tank and screw in the straight 1/4" x #6 JIC fitting and the JIC cap. Install the new fuel receiver directly in to the front of the FIV.



At ground level, use pink thread tape from FT Tool Kit to seal threads on gold Fuel Inlet Valve (FIV)

Position drip pan below fuel point then push in the poppet on fuel receiver to ensure the vacuum will hold the fuel. Does fuel come out of the receiver?

No

Yes

Grab front of FIV with dominant hand using the tip of your thumb to secure the thread tape.



Wait until gauge on transducer reads -10 psi. Access top of tank top to make sure the transducer is screwed in tight and there are no other tank vents. Refer to previous step.

END HERE

Installation is **complete!** Fuel the unit to make sure the fueling system functions properly.



Screw in the straight 1/4" x #6 JIC fitting to the side of the FCV. Next push the swivel fitting onto the blue 3/8" pilot hose then connect it to the JIC fitting in the FCV and run it down to the FIV. Now connect the red breather hose to the spout on the FCV then secure it with the hose clamp and let it hang down the fuel tank where it will be out of the way. At ground level connect the blue pilot hose to the #6 fitting in the FIV.

Access top of tank and remove transducer. Use spanner wrench from FT Tool Kit to install the Float Control Valve (FCV) in the open port with pink thread tape and reinstall additional vents if necessary.



part# HF2FCV2



FlowTech Tool Kit

part# FSD-3005

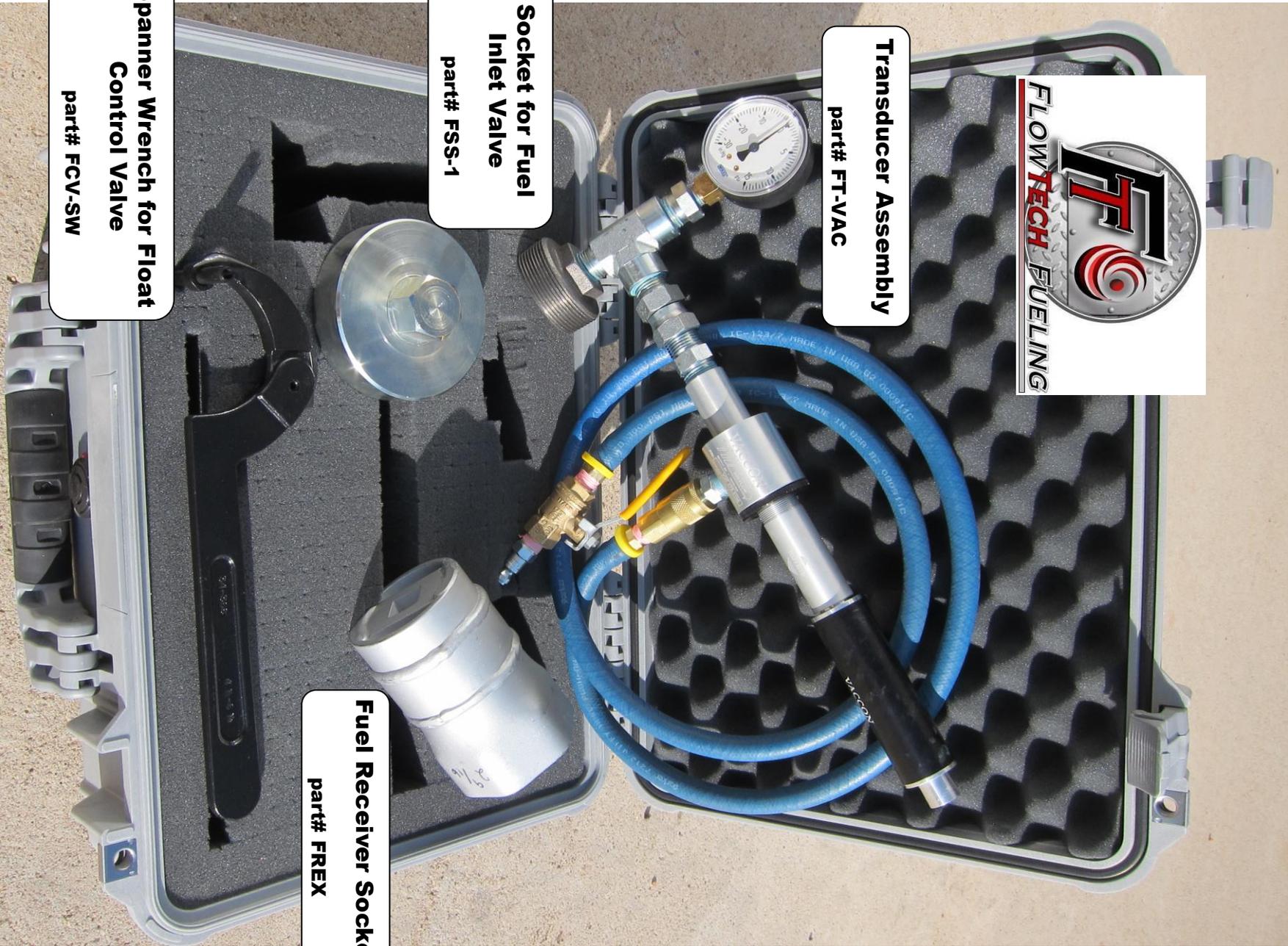


Transducer Assembly
part# FT-VAC

**Socket for Fuel
Inlet Valve**
part# FSS-1

Fuel Receiver Socket
part# FREX

**Spanner Wrench for Float
Control Valve**
part# FCV-SW





General Installation Guide for the Hydra-Flo Fueling System

Installation without the FlowTech Tool Kit.

START HERE

You will also need the following:

- Pipe wrench – 24" and 36"
- Wrench – 9/16", 5/8" and 11/16"
- Crescent Wrench – 24"
- Ratchet wrench w/ Fuel Receiver Socket
- #6 JIC Cap
- Drip pan
- Extension ladder
- Fall protection
- Fuel storage container and tank evacuation equipment

Determine the volume of fuel in the truck. Pump out or gravity drain fuel from truck using adequately sized fuel storage container(s). Depending on the volume of fuel and the method used, this process could take quite awhile and should be monitored very closely.



Use pink thread tape to seal threads on gold Fuel Inlet Valve (FIV)

Once the tank is drained to a level below the fuel point, use a receiver socket to remove the fuel receiver.

Install the FIV in the open port. Make sure the pilot line port on the FIV is pointing towards the top of the tank.



Use a receiver socket to install the new fuel receiver directly in to the front of the FIV. Do not over tighten.



Seal the FCV with pink thread tape. Access the top of tank and remove the existing tank vent. Install the Float Control Valve (FCV) in the open port.



Connect the red 1-1/4" breather hose to the spout on the FCV, secure it with the hose clamp and let it hang down the back of the fuel tank.

Next connect the swivel fitting on blue 3/8" pilot hose to the #6 JIC fitting on the FCV and run it down the front of the tank.

At ground level connect the blue pilot hose to the #6 fitting in the FIV.

Installation is complete! Fuel the unit to make sure the fueling system functions properly.



END HERE