

## Permanent Fuel Tank

**YOUR MOELLER PROMISE:** Every [Permanent Fuel Tank](#) is designed for functional durability and performance. For your safety and for best results, pre-read the following instructions completely before installation. We, at Moeller Marine, thank you for your purchase.

### BEFORE YOU INSTALL:

- **Organize all the hand tools you will need** to complete installation of your permanent fuel tank. Necessary tools may include a tape measure, a flat-blade screwdriver, and pliers or wrench.

**⚠ WARNING IMPORTANT:** AVOID USING POWER TOOLS AROUND FUEL VAPORS WHICH ARE EASILY COMBUSTIBLE.

- **For best results and ease of installation**, we recommend using Moeller's Permanent Fuel Tank Installation Kit (Part #35723) not included. This kit provides the additional hardware and hoses, including a stainless steel deck fill and chrome-plated brass thru-hull vent, suggested for a proper below deck tank installation.
- **Determine the best placement of your fuel tank**, positioning it where the vent and fuel hose connections to deck will form the shortest line. Make sure that the electrical sending unit is still accessible in this location.
- **Replace an existing fuel tank** by removing the old unit.

### PROPER FUEL TANK INSTALLATION:

- **Secure fuel tank into position.** Moeller offers a Permanent Fuel Tank Hold Down Kit (Part #035710); which will work with the following tanks: Part No.'s 032515, 032612, 032515, 032518, 032519, 032522, 032527, 032629, 032631, and 032640.

**⚠ IMPORTANT:** Do not use foam to secure tank in place. Resin fuel tanks require a multidimensional expansion area of 2-3% at all times; foaming a tank in place removes the chance for hydrocarbon expansion and will void tank warranty.

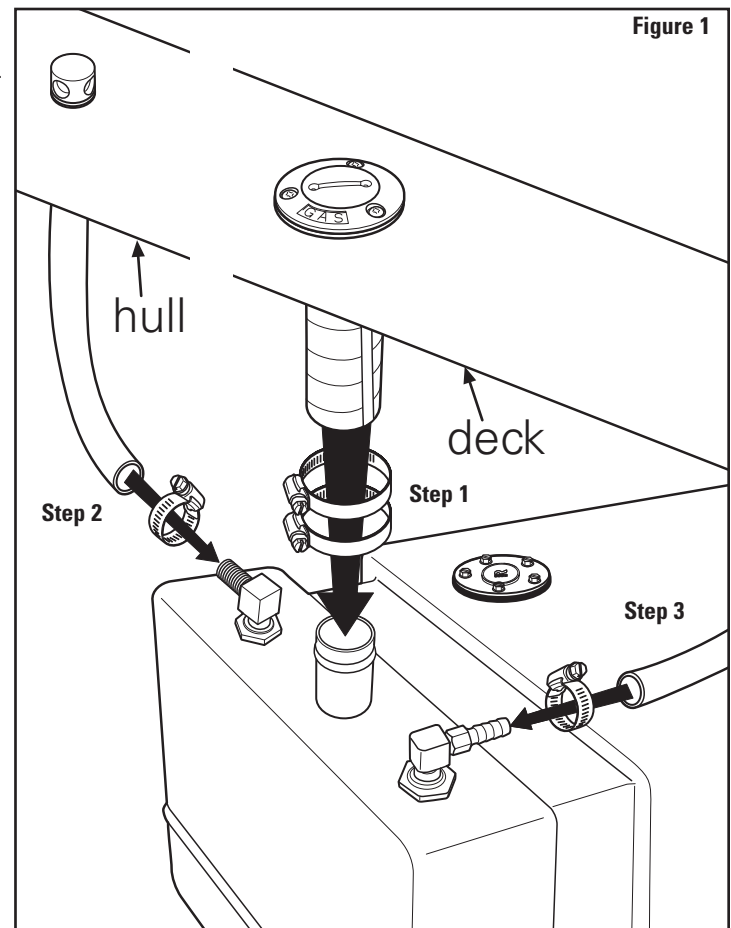
### ATTACH FUEL FILL HOSE: (See Figure 1, Step 1)

- **Slide two large hose clamps onto fuel fill hose** and leave loose.
- **Check hose length** from deck fill point to tank and trim as needed.
- **Slip the hose over the tank fill fitting** and secure by tightening clamps into place 1/4" from the end of the hose.
- **Tighten the second clamp into place**, leaving an 1/8" gap between the two clamps to ensure that the clamps do not touch (see Figure 2). **Note:** Coast Guard guidelines requires the use of two hose clamps at each end of the fuel fill hose.

**⚠ Important:** to avoid a dangerous build-up of static electricity in your fuel system, make sure to employ an earth ground as needed.

### ATTACH VENT HOSE: (See Figure 1, Step 2)

- **If your tank does not have a molded on vent**, thread a hose barb into your tank's vent. Do not over-tighten. We recommend the additional use of a gasoline and diesel resistant seal compound to guard against leakage.
- **Slide a small hose clamp onto vent hose** and leave loose.
- **Check hose length** from thru-hull vent to tank and trim as needed to avoid kinking.
- **Slide end of vent hose over the vent fitting** and secure in place by tightening hose clamp 1/4" from hose end.



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### ATTACH FUEL WITHDRAW HOSE: (See Figure 1, Step 3)

- **Thread a hose barb into your tank's fuel withdraw.** Do not over-tighten. We recommend the additional use of a gasoline and diesel resistant seal compound to guard against leakage.
- **Slide a hose clamp onto withdraw hose** and leave loose.
- **Check length of hose** and trim as needed to avoid kinking.
- **Slip hose over tank withdraw fitting;** secure in place by tightening hose clamp 1/4" from end of hose.

### FOR A NO LEAK INSTALL: (See Figure 2)

- **A leak test should be conducted around seals and connections.** Pressurize the tank to 3 PSI then use soapy water to look for air bubbles around these areas. If unfamiliar with this procedure, seek professional assistance.

### PROPER WIRING INSTALLATION: (See Figure 3)

- **Connect sender wire** from fuel gauge to the red wire on the fuel sender.
- **Connect grounding wire** from the gauge to the black wire on the sender.

**Δ IMPORTANT:** If you are unsure of any of these detailed procedures, seek professional assistance.

### **! WARNING**

GASOLINE IS EXTREMELY FLAMMABLE. KEEP TANK AREA FREE FROM SPARKS AND FLAMES. EMPTY TANK OF FUEL AND FUMES BEFORE CONTINUING WITH INSTALLATION.

