

**Must Read
Before Installing !!**

Kustom Tanks in Tank Fuel Pump Installation Instructions

Getting Tank Ready

1. If installing in a tank that has had fuel in it you must remove all traces of fuel & fuel vapor !
The only safe way is to have a qualified radiator shop clean out all traces of fuel & vapor.
Gasoline vapors will explode, and can cause injury or death !!!
Even drilling can cause a spark, or create enough heat to ignite gasoline or vapors.
2. Choose a 6" flat spot on tank. Stay clear of baffles & sending unit. Ribbed tanks will have to be flattened. Be careful flattening to eliminate leaks.
3. Make a 4-1/2" round hole in tank. You can use slotted ring as template. Donot make any larger.
4. Center the slotted ring over the hole and mark the 16 holes. Drill 3/16" holes, they are all equally spaced.
5. Clean all debris from tank.
6. Your tank is now ready for pump.

Installing Pump to Bracket

1. This pump kit is adjustable for 6-1/2" to 11" deep tanks.
2. Determine tank depth and cut pump support "C" bracket to proper length. Allowing for pan depth & gasket thickness.
3. Drill bracket & tub to fit snug to bottom, bolt together using bolt & nut and lock washer.
4. You can now install pump to bracket.
 - a. Install rubber silencer sleeve on pump before installing gasket & filter on pump bottom.
Filter faces opposite fuel supply.
 - b. Align pump supply to top bracket, supply is at rear towards bracket. Install gasket & filter.
5. Set the filter & pump in tub. Filter should rest on bottom of tub. Use the black plastic spacer to mount pump to bracket, halfway up pump. Use large Ty-Wrap to secure pump to bracket.
6. Install (2) Aluminum fittings in top of bracket using anti-seize.
7. Cut & install rigid white return line on "R" nipple leaving 7/8" to 1" from bottom of tub.
A small amount of heat & it will slip on.
8. Cut the black rubber supply hose to fit and clamp in place, top & bottom.
9. Plug in pump, secure wires to prevent rubbing or chaffing.
10. Install 5/16" 90 degree fitting in top, of pump module marked "V". This is the vent fitting.

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Pump to Tank

1. Use the 2 set screws to hold ring in place.
2. Place gasket on top of tank over set screws.
3. Install module assembly by turning at an angle & sliding into tank.
4. Put a small amount of anti-seize on screws.
5. Tighten screws in a side to side pattern being careful not to over tighten or strip.
6. Remove set screws & replace with screws.

Do's and Don't's

1. **Do not** run this pump dry, not even to test connections, ***It Will Burn Up.***
See Warranty info on page 3
2. **Do** insure all connections and fittings are tight.
3. **Do** ground properly, scraping away paint where needed.
4. **Do not** fill tank completely, circulating fuel expands when warm, and will over flow if over filled.
5. **Do** leave an access hole above tank for trouble shooting & repair.

Venting

1. This is a pressure system, venting is very important
2. This system is designed to be used with a vented cap. If you do not use a vented cap your tank will need an additional vent.
3. Note: GM makes a pressure-vacuum relief valve part # 10033125. Approx. 1 psi Pressure or Vacuum. This will make a very good addition.
4. An inertia cut off switch is also recommended as well as a low oil pressure cut off switch. They are available from Ron Francis Wire Works.
5. Roll over vent valves are not recommended on fuel injection systems.



Brass Fitting Is For Vent



Notice!
Fuel Pump Modules
Are Now Furnished With
-6 AN Fittings
Not Like The Ones In Photo!

Do Not Reposition
Fuel Return
or
Fuel Pickup
Unless You
Remove Module.

Both Are Clamped In
Position

Both Fittings Are
1/4" Pipe Thread

Use Anti- Seize On All
Aluminum Fittings.

Pump Warranty:

In March 2004 **Walbro** announced they would no longer offer warranty on these High Performance Pumps. This decision was made due to an extremely high volume of pumps tested (**nearly 98%**) that proved to be non-defective. They will perform warranty analysis for a **\$40.00** per pump. If pump failed due to a material or workmanship problem the fee will be refunded.