



Ready to Use Gasoline Fuel Tank System Installation Manual

Warning Please Read Before Use

This product can and will cause severe harm to you, and or others, if misused or if these safety precautions and product installation steps are not followed. Fourtitude R/C LLC is not responsible for any loss, injury or damage resulting from the miss-use of its products.

Limited Warranty

You're new Fourtitude R/C LLC product is warranted to the original purchaser for 90 days from the date of purchase against defects in material and workmanship. During this period Fourtitude R/C LLC will replace any defective component under our discretion. This warranty does not apply to any product improperly installed, abused, damaged in a crash, or has been repaired by an unauthorized agent. Under no circumstances will the buyer be entitled to incidental or consequential damages. As the final user you alone are responsible for the safe operation and use of this product.

Thank you for purchasing this Fourtitude R/C LLC product. We strive to provide the finest high performance R/C products in the world and value our customers. If you have any questions or concerns please contact us. We are always looking to better serve you and help advance R/C aircraft technology.

Installation: The Fourtitude R/C RTU fuel tank system uses a three line configuration to ensure optimum engine performance with a dedicated fuel line to the engine. By using three lines you will have dedicated fuel line for the carburetor, vent, and fill. Since gasoline hobby engines have an internal fuel pump there is no need to use ANY type of pressure with these tanks. **Note:** This fuel tank system cannot be pressurized and **MUST** be vented all the time to prevent tank damage. **Please note** that the clear yellow clunk line is intentionally left approximately 1/2" from the back of the tank. This is to allow for fuel line expansion that happens once submerged in gasoline. Rest assured the felt clunk will pick up 99% of the fuel in the tank on the first flight. Many modelers do not know about this due to non visible tanks. Gasoline fuel lines of **ANY** type actually expand once submerged in gasoline. The 4titude fuel line will also become more flexible with gasoline exposure assuring the clunk is always in the fuel during flight. We have spent over a year bench and aggressively 3D flight testing many different combinations to provide you with a completely hassle free and ready to use product. (Continued on Back)

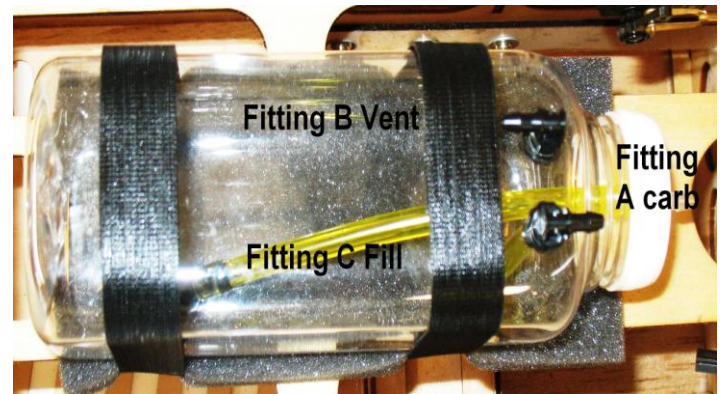
Step One: Locate the optimum mounting location in your aircraft. This is normally as close to the aircrafts C.G as possible. Mount the fuel tank using $\frac{3}{4}$ inch wide hook and loop double sided tape with the "fuzzy" loop side contacting the fuel tank. (Caution always use foam padding between the tank and ANY part of the airframe. Be especially careful not to allow the tank to contact fiberglass or carbon fiber parts. These materials are very abrasive and will damage the tank) The front strap should be placed approximately 1/8" behind the vent and fill fittings. The rear strap should be placed approximately 1" from the rear of the tank. The required hook and loop tape and foam pad are included in the RTU/ with mount and line versions.



(Here is an example of proper strap location. Note the foam protecting the tank from the wooden tray)

Step Two: Hooking up the fuel lines to the 90 degree vent and fill fittings requires some care not to over stress the fuel tank. Apply a few drops of window cleaner to the fittings so your fuel line will slide on the fittings easily. The fittings have sharp barbs machined in that will retain the fuel line very well once the window cleaner evaporates. When using Fourtitude R/C Colored fuel lines please see separate instructions

for that product. Following the diagram below Fitting A line goes to the carburetor, Fitting B is the vent, and Fitting C is the fill/drain line.



Notice the 90 degree fittings are orientated for optimum vent and fill fuel line routing. To prevent fuel siphoning out the vent line loops to the back of the tank and then out of the fuselage. This will keep the fuel from running out the vent on long down lines.



We hope you enjoy this product and please check back for new exciting products to make assembling your model simpler. We are always looking to improve your models flight performance!