
G u i d e t o

M o u n t i n g a S e a t T a n k O n a G y r o b e e

by Tom Milton

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Calumet Motorsports, Inc.
Lansing, Illinois
Phone: 708-785-0344
Email: tom@calumetair.com
Web: www.calumetair.com

Purpose

The following guide is designed to give the builder ideas. There are no dimensions, but lots of pictures to form ideas that work for you. I will try to give some descriptions of why I did some things.

Instructions

I tried to keep the machine as close the plans as possible. These seat support struts mount in the same spot the original seat support struts were on the keel. They are longer then stock. I raised the seat by 1 1/2" to get the center of gravity in line with the prop.



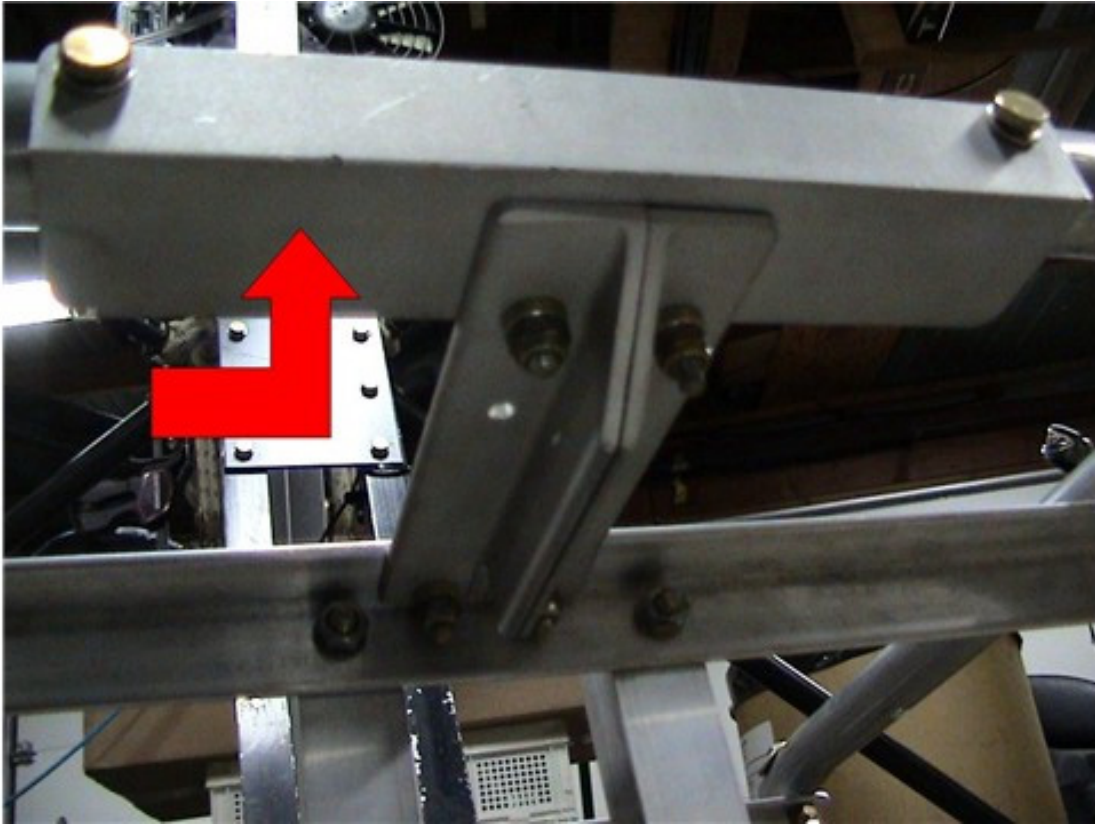
The seat support struts hold the weight of the seat but I did not think it was wise to rely on the bolt that goes into the seat to hold the U tube firm. That is why I built an additional assembly to hold the seat support struts securely to the U tube. Below the bolts that are highlighted hold the assembly to the U tube while giving me lots of room for control stick clearance.



These bolt heads clear the seat.



This view is from the front looking up at the angle that is attached to the U tube. This angle was cut to be 1 ½" X ¾".





Above you will see why that angle had to be cut to $\frac{3}{4}$ " to clear the seat.

Below you will see the bolt heads that hold the angles to the front angle tube anchor. This is looking down through the hole in the bottom of the seat.



Below you will see the aluminum back plate that functions as a shear web that reinforces the seat braces. Ralph says you must have the back plate and hardware for added reinforcement.

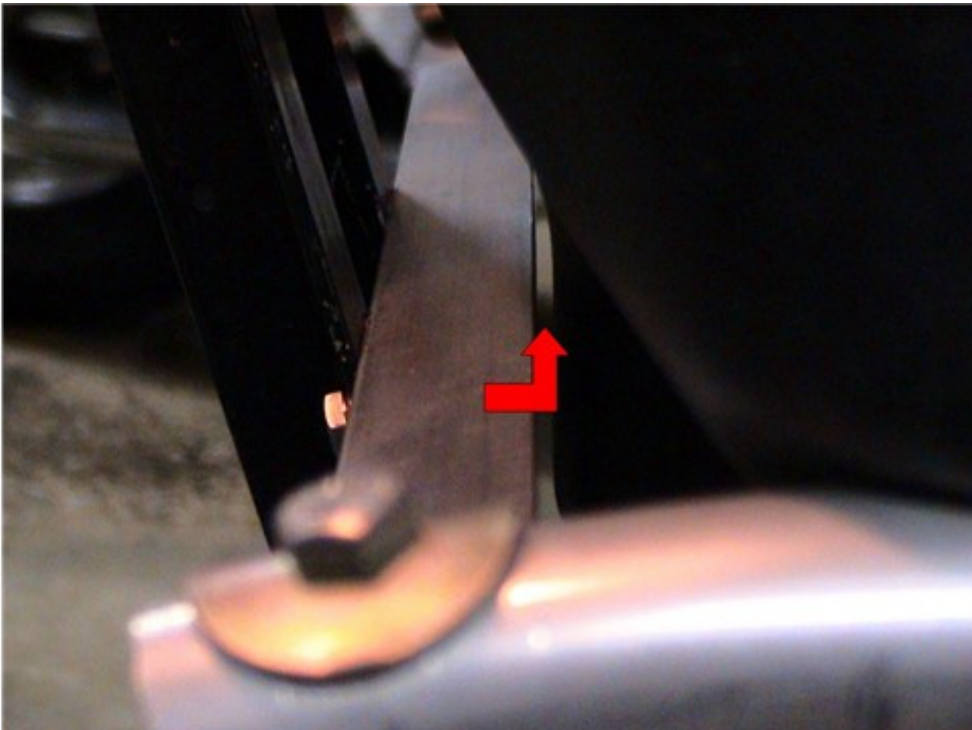


Below notice the ends of the U tube are bent to align with rear angle seat mount. This attaches directly to the seat braces.





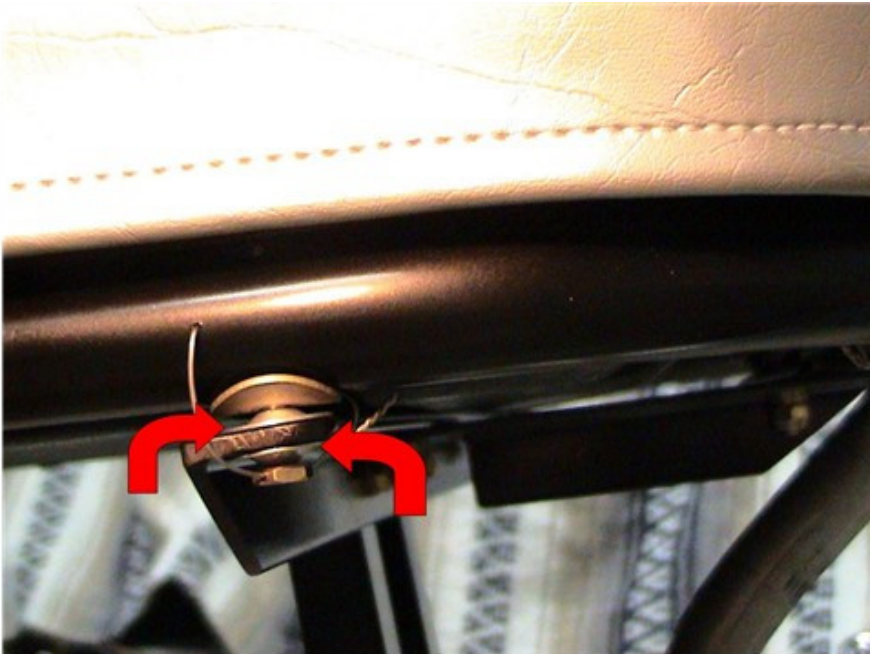
Above is the same joint. Below the seat is on the U tube and mounted, note the gap between the seat well and rear angle.





This additional length of angle on the left side is there to mount my throttle and kill switch.

I had to do something to make this angle and the U tube fit well. The next picture shows what I did. I used countersunk washers, which provided a surface-to-surface contact but did not add unusual pressure to the bolt. This angle is held in place by the seat support struts and the U tube front mount. The seat hold down bolt anchors the assembly.



The finished bottom from the front. Notice the safety wire used on all seat bolts.





Above is the finished seat showing the throttle.





Rear view of the seat.



Back mount with stiff rubber spacers between seat and the back plate and seat braces. On the floor you will see Max my helper.

The picture below shows the gap between the seat and the seat braces, plate and additional hardware.





Vent tube is vented at 5-gallon level of the tank.

The seat is very comfortable, and the cover makes it look great.

I hope these pictures assist you in mounting your seat tank, good luck.