-----Original Message-----
From: Leon Allen
Sent: Tuesday, June 16, 2009 11:46 AM
To: Michael Plant
Subject: FW: Ace Hobby Distributors, Inc.-TT PITTS 40

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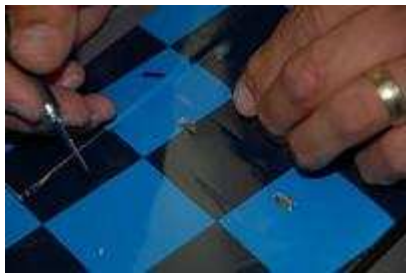
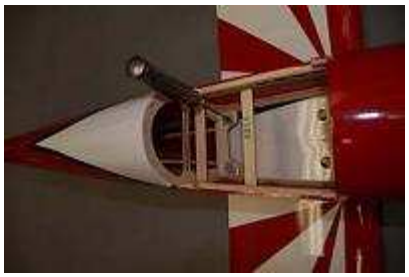
-----Original Message-----
From: Leon Allen
Sent: Tuesday, June 16, 2009 8:21 AM
To: eric
Subject: FW: Ace Hobby Distributors, Inc.-TT PITTS 40

I'd like to share a build and see if anyone has built one of the TT TOC Pitts .40 not 40%. I'm converting mine to electric as the glow I think can be beaten in this size category. There is no manual so bear with my attempt at helping other in the building process. Attached are some photos of the wings and fuselage. They are great looking right out of the box. Here I'm just start with the wings and will post more images of the Pitts. Images 0028 to 0072 show the wing and the location of the interplane struts which hold the wings. There are small rectangular slots for the plastic inserts which hold the wing. I will post more later. But I can tell you that this is a quick build from the look of things. Im thinking 4s 2250 Flightpower for my battery with the electric motor I'm going to use. I'll keep you posted.








Now that you know where the inner plan strut locations go.
Look for the mounting whole location for the wing. You can place the wing in the cradle to allow location of whole or measure a .5" off the trailing edge to find the hole. Find the 4mm screws and washers to mount the lower wing.

The next step is to find the three holes in the front of the wing for mounting the landing gear. These three holes are for self-tapping screws. Once you locate the holes attach landing gear. Next locate the axles, these are simply long 3mm screws that will be inserted onto the landing gear and then attached with the supplied nuts. Then locate your wheel pants and ream out the

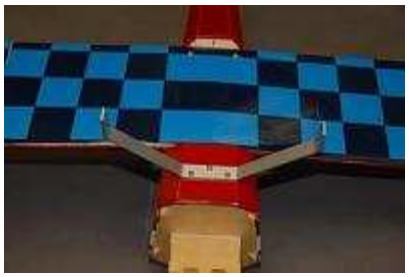
hole to clear the nut mounted on the axles. Once you have the proper fit find the collars and wheels. Make sure to put a drop of loctite on the axles to hold the nuts on. Then put wheel pant on axle, then a collar, then a wheel, then a collar and secure the outside collar and adjust a necessary to center the wheel in the wheel pants. Do the same for both sides.

Now prepare the rudder for the tail wheel assembly which is a single 3/32 rod pre-bent with sleeve and wheel and wheel collar. Cut a 1/8 V slot in the back of the rudder to allow the tail wheel assembly to fit flush against the rear fuselage. Once you are satisfied with fit secure the tail wheel via epoxy. Glue in the hinges with thin CA and let dry for a few, then go ahead and glue in the rudder assembly to the fuselage. Don't worry about the elevator, as it is in two parts and links together via a u bent rod.

Now that all the wheels are mounted, flip your airplane over and align your wheel pants. How to do this is simple. Just place a ruler or some other block that is about 1" in height under the back of each wheel pant and then drill and mount your wheel pants. Two screws per side.

Now take a look at the airplane as it starts to take form.








Ok guys I been of fighting the good fight. Anyway I've wanted to finish up this project and now that I have time here are some more images of my build. The inter plane struts need to be prepared for mounting in wing. I choose to mount the nylon plastic inserts on the struts now in order to reduce the parts count. I used the 2mm screws that were included in the kit. I did not locktite just yet in order to enable the removal of them when the wing ready.

Next I prepared the fuselage to take the struts coming from the fuselage up to the top wing.

Locate the Aluminum struts and create an N shape for each side. On the cross brace I used the 2mm bolts and the one going into the fuse they are 4 x 3mm screws for this part.

Before I get to far ahead of myself you need to hone the whole for the plastic insert that go into the wing in the center section. This will require some sanding and or trimming of the nylon plastic inserts.

Once the holes are ready and the inserts are fitting flush to the surface drill a small pilot hole and tap the screws into the hole. I like to then pull the screw backing out and adding a drop of thin CA to harden the threads.

Now do the same for the outer strut supports.

Then do the lower wing just the same, make a simple pilot whole first and insert the screw and then pull and a drop of thin CA will harden threads. By the way make sure you use tape of some other device so that you don't go thru the wing surface. About 3/16 should be more than enough.

Now test and mount the top wing to the bottom wing and fuselage. This is a top view of the

aircraft from above. Sorry my photo is so dark.

Next you need to trim the canopy for fit. You will need to trim off ½ on the backside of canopy. Make sure to backlight the fuselage, which will make it easier to see the line that you will need to trim.

Once this is done you better finish up the tail section and glue the CA hinges in place. Make sure to get some glue on the metal rod that passes through the fuselage that connects both sides.

Then attach the rudder.

Here is a shot of it outside in the sunlight. Still need to put the horns on and install the servos.

Also I'm converting the TT TOC Pitts .40 sizes using a simple motor mount offered by Thunder Tiger. Part number is AS6458 OBL Motor Mount, for 4579. This thing is under $10 dollars at my local hobby store and bolts right to my ripper brushless motor.
Motor. If you are going to go the electric route you will need to create a hatch, I created one by cutting a hole in the bottom of the cowl and attaching with some dobra hinges. This is pretty much it for the build process. I will install horns and prepare for flight and let you know how that goes and get some flight shots to.















Model Accessories