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Problem: Your eze will pull left or right randomly. The answer..... We will assume you did not build your eze, no problem, don't build what you can buy.

So let's trouble shoot:

With no wind on a level taxi way, your eze tends to wander. Most likely cause is the bronze bushings on the top of the strut are plumb worn out, as we would say in the south. The casting on top of the strut is called a NG-6. The bushing in this casting can be purchased at most hardware stores or Aircraft Spruce or Wicks aircraft. Removing the strut to get to it will be interesting though.

So you did not find the bushing was bad, what now? Do you have a brake not releasing? If one is not releasing, fix the brake.

This was not the problem either? What you will find then is the nose wheel assembly is not vertical in reference to the ground. Remove the four bolts clamping the casting to the strut. Strike casting with a brass hammer, NOT ON THE EARS THE BOLTS GO THROUGH. If you strike the ears, you will probably be getting a new casting. Clean the old flox out of casting and off the strut, power tools help. Sand the stut where casting mates, get a loose fit. Reinstall the casting and plate on strut. Let's say your eze pulls left, move the bottom of casting to the left. Use a wedge at top of casting, tap it in with a hammer on the top right side of the casting.

Now go taxi the aircraft to see if it goes straight. Increase the depth of wedge if it's still going left, reduce depth if it's going right. When you are happy with the results, measure the depth of the wedge. Remove the casting and pack it with pasty flox, reassemble . Just snug up the bolts bolts, drive your wedge back in place. Do another taxi test. If you like the results let all this cure for twenty four hours.

It is advisable to check the retraction of the nose gear into the hole to make sure everything is a good fit after making the above changes.

You may find you want adjust it again, repeat above steps.

This is a very common problem and is the root cause of most heat failures of main gear strut due to dragging a break to keep the Eze taxing straight.

It's common to have steering problems on eze type aircraft.

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