



Scale Pursuit Models E-Newsletter

Volume 3

Flight Report

We maiden the T-34C for the second time - this time we flew the model with the Revolution 50 gas engine. Rated at 5.7 HP, this engine was just what the doctor ordered! The 30 lb. model was pulled through the skies with authority and this was at 6,000 feet ASL! OK, so it has power - lots of gas engines do, but the cool thing about this engine is its low profile cylinder head (looks like a glo-engine) and it fits completely inside our T-34C cowl, including the spark plug cap. So far we are very pleased with this engine and may soon offer the engine bundled with our kits. Let us know if this is something you would want.

In terms of flight performance, the T-34C is as tame in the air as you would expect a military trainer to be. Crisp controls and gentle slow speed handling should please just about everybody. Soon we will post a new flying video so keep watching our website!



Crash Report

We move fast here at Scale Pursuit Models...right into destruction testing. Seriously though, I am not that good of a pilot. Now you know why I have been building models out of EPP for the past 10 years. Full throttle, at the end of the take off roll, the model was heading off the side of the runway heading for dirt. I pulled up hard and, inadvertently, kept full rudder input engaged - this resulted in an immediate drop of the left wing as soon as it left the ground. Kart wheels are hard on models and we proved this well. Unfortunately, the video cameras were not rolling...figures. The impact force was great enough to tear the fuse in two. This happened at the weakest part of the fuse...the cockpit. With skins ripped, foam cracked and the front end dangling, it looked pretty grim. But, on the bright side, here was our chance to document

how easy our construction method is to repair. We have documented this process on a forum topic at [rcscalebuilder.com](http://www.rcscalebuilder.com). If you are not already a member of this great scale resource you should join so you can see our repair post and other great scale building threads. Here is a link to our repair discussion. http://www.rcscalebuilder.com/forum/forum_posts.asp?TID=9757&PN=0&TPN=1 You will see close up pictures of the damage, repair process and what the model looks like after the repairs.



Repair Report

To jump right to the end...the repairs are complete. It took less than eight hours of work to complete the repairs. Basically, it involved removing damaged skin, gluing the fuse back together, reinforcing the foam breaks, applying new skins, painting and adding a scale detail or two. There was no structural damage to the remainder of the airframe only a few cosmetic blemishes. Here are our observations after this major damage repair.

- * A durable airframe incurs less damage so there is less to fix... which saves you time and effort.
- * Epp foam is easier to repair than traditional building materials such as fiberglass or balsa and requires less structural reinforcements.
- * Since the repair work is hidden by the polycarbonate skin there is no laborious surface preparation.
- * The replacement skins have the same molded details as the original skins so there is no time consuming effort needed to get the surface back to a high level of detail.
- * Our models are not indestructible, but they are capable of surviving crashes with minimal damage and the structure is highly repairable making repairs less time consuming.
- * Since crashes eventually happen to all models, our construction materials and methods can make the inevitable less of a hassle.















