

# **Aircraft detail addendum**

## **Wild Hare R/C Edge 540T V2.0**

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Never ever stand or sit in front or to the side of a running engine. Never allow anyone else in this area.

Things can happen, this is a danger zone. Always stay behind a turning propeller.

These are big airplanes with powerful engines, they can kill you. After starting keep the engine at an idle until all nearby personnel are behind the propeller.

## Specifications

Wingspan	84 inches
Length	77 inches tail to cowl face
Wing Area	1390 sq. inches
Weight	15.5-16.5 lbs. with DA-50
Recommended engine	DA-50 or similar

**Suggested initial CG location is 5" back from the leading edge of the wing.**

Additional equipment required

Computer Radio with at least 8 channels strongly recommended  
2 Elevator servos minimum 120 oz/in. of torque each e.g. Hitec HS5645 or 5945  
2 aileron servos, total torque required not less than 120 oz./in. per wing.  
Rudder servo(s) at least 180 oz./in. (see text) e.g. Hitec 5955TG or JR 8611a  
Throttle/choke servo standard BB servo such as Hitec 425  
Radio operated engine kill switch or servo operated choke strongly suggested  
Single or dual radio battery packs at least 2400 mah total, preferably high current output cells.  
Total capacity will be based on how much flight time is required.  
Switch[es] for receiver and ignition batteries 2 or 3  
Miscellaneous servo extensions. 2x24", 2x12", 2x18" typical

This kit includes a tailwheel assembly, wing and stabilizer tubes, and miscellaneous small hardware for mounting the cowl, wings, stabs, and landing gear.

Please remember, this is a big airplane with high stresses on the controls. You must use high performance servos, pushrods, linkages, horns, etc. **Flexing in linkage or loose hinges can and will cause flutter of the control surfaces which will destroy the airplane in just a few seconds.**

**Covering is Ultracote/Oracover, Ultracote is True red, Cub yellow, midnight blue.**

**The distance from the firewall to the cowl face is approximately 7 1/8", so the engine's spinner backplate should be 7 1/4" from the firewall.**

**Metal gear servos are required. Proper installation of hinges is critical.**

The Wild Hare Edge 540T V2 is a very straightforward plane that closely matches the information in the General Assembly manual.

Things that differ are as follows;

The cowl attaches with two 8-32x1/2" screws that are inserted from behind F1 and thread into blind nuts in the cowl ring, plus two more 8-32 screws at the bottom that go through the small lip at F1. You will need to probe the covering and open the holes to get the screws through.

The CG should be set so the plane balances at 5" to 5 1/2" behind the leading edge. On the Edge this can be done at any point on the wing.

Control throws as specified in the general assembly manual are sufficient for the first flight.

A heavier duty landing gear may be available, but we strongly urge you to try the supplied gear first, it looks light but is quite durable.

### **Engine mounting**

The firewall is marked with a + which should indicate the thrust centerline. However it is mis-marked slightly. The proper location is down 3mm and 3mm to the right of the plane (to the left as you look at the plane from the front. Make a new mark in the proper location.

You should have received an engine template with the plane for the TOC-53 and DA-50. If you are using either of these engines, simply mount the template to the firewall with a small wood screw through the center mark and then through the proper thrust line mark on the firewall. Use the template to drill the holes to mount the engine.