

Locating the plane's center of gravity (cg)

Balance plane with motor having the appropriate mass installed, but not wound, as shown. Ok to balance it upside down if that is easier.

The plane's center of gravity (cg) is located just above the balance point, as indicated by the arrow. For the plane as shown, this point was measured to be 23 mm in front of the rear wing post. This position is recorded in the flight log as shown below.

To move the cg forward, you would move the wing back toward the tail. To move cg rearward, you would slide the wing forward, or add ballast on the tail if it is forward as far as it will go.

The parameter labelled setback on the log is the distance between the back edge of the orange prop mount and the front of the wind saddle. Since this plane has the wing all the way forward due to the unusually heavy prop, the setback is recorded as zero.



Flight Data Log					
torque	Wing	cg @	Incidence	Maximum	
v/launch	setback	before TE	LE/TE	height	duration
(n.-oz.)	(mm)	(mm)	(mm)	(ft)	(min:sec)
/	0	23	/		
/			/		