

Important Notes: Adding Weight to the Front of the Kasperwing

Manual: Zenoah G25B Engine to the Rotax 277 (or Larger Engine)

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"Final checks"

*Now that you have completed installing the engine, exhaust, fuel, electrical system and prop drive, the engine should be ready to run. Prior to flight, it is **MANDATORY** that you adjust or check your wing's C.G. trim. All early Kasperwings, A or B models up to 1985 are rigged a little 'nose light.' This compensates for the addition of the Pod later on. If you have been using the large (5-gal.) tank, you are probably acutely aware of the tail-heavy condition that occurs when the tank is full, especially if you weigh 170 lbs. or less. With the additional weight of the Rotax 277, this **tail-heavy condition will become so extreme that medium or light weight pilots will find it difficult or impossible to safely fly their planes.***

For this reason, it is essential that you add 10 lbs. of weight to the nose (or install the pod) before attempting to fly with the Rotax 277. The best way to add the 10 lbs. is to bolt it directly to the flying wire attach plate. Actually, the weight can be attached to the plane at any convenient location as long as it is as far forward as possible and very securely attached. The easiest way is bolting a few lead or steel bars beneath the flying wire plate. Heavier pilots (around 200 lbs.+) may find a few pounds less to be adequate, but this is a matter of individual preference. At any rate, weight in some form must be added to the nose before safe flight is possible!

Additional Notes:

Keep in mind that the weight of any other upgrades—individually and collectively-- may affect the CG as well: Electric starter, bigger wheels and tires, rear landing gear with shocks, battery, larger redrive, or any engine that is substantially heavier than the Zenoah G25B-1

Options for adding weight to the front:

1. Steel plates secured to the bottom of the Flying Wire Attach Plate.
2. 10 lb. ankle weights wrapped and secured around the lower tubes just behind the lower intersection of the Main Strut. These are available with 2.5 lb. removable inserts to allow for fine tuning.
3. Plastic coated Dive Weight(s) secured to the Steering Fork Assembly Bracket (S-24).
4. Lead shot in nose tube.
5. Combination of above.