

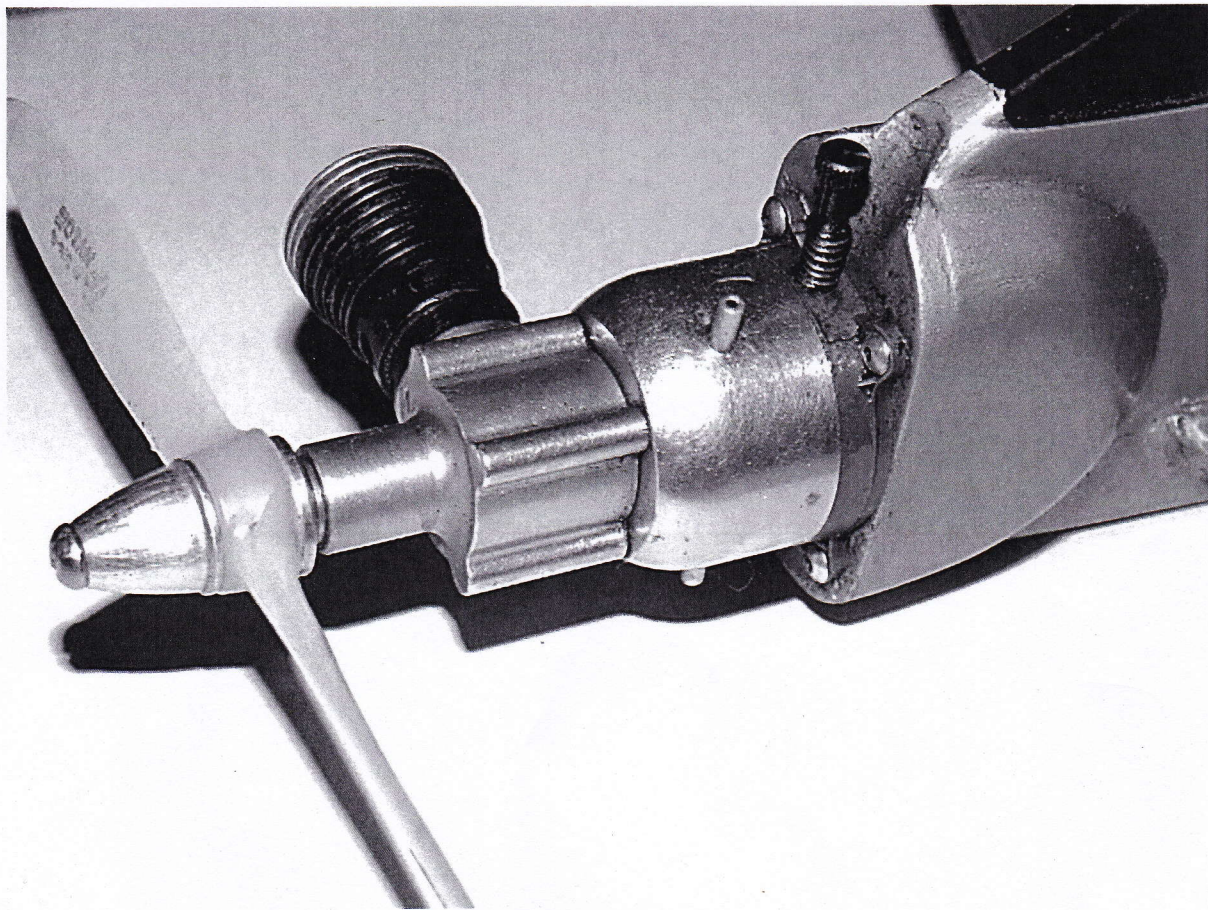
Notes for the 049 Sabre C/L

This plan is about a $\frac{3}{4}$ version of the TD powered model. It should be powered by one of Leo's mighty reed valve 049s with the stunt tank fitted to maximise larfs. Look for one that has the fabled 'sub port induction'. The Black Widow fits the bill perfectly. A $5\frac{1}{4}$ x 4 prop provides sprightly performance.

To fit the 049 the fuse needs to be truncated at 55mm (that's the length of the engine/tank) back from the face of the prop driver shown on the plan. A ply plate and cheeks are fitted to mount the engine. The ply doublers are still fitted. Have a look at the pikkie to see how this is done.

The balance point is about 1cm ahead of the bellcrank pivot. That's 6cm back from the LE at the root. Set here the model is stable in level flight but can still perform aerobatics. This can take upto 20g of lead in the tail so build and paint accordingly. Experiment with the balance point to suit your style of flying.

The lines used currently are 35' of Berkley 8lb Fireline. This could go out to 40' in calm conditions. If you use Sig Dacron stick to 35' as it has more wind resistance. The handle is a bit of $\frac{1}{4}$ ply and the lines roll around it and get rubberbanded to the wing ready for quick action.



ENJOY