

Clear Dope

MARCH 2014



**Chichester and District Model Aero Club
Committee 2014
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TeX & ReX *by Ecurb*



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Clear Dope - February 2003

Thorney Closed Dates

Thorney will be closed for flying on the following dates:

28 & 29th June: Festival of Speed

6 & 7th September: Charity Fly-in

13 & 14th September: Revival

Colin's Cub having a funny five minutes flying upside down on a lovely March day



The South Eastern Area BMFA indoor model free flight meeting was held again this year on Sunday 2nd February at the K2 sports centre in Crawley. A few CADMAC members (apart from Robert and his Dad Arthur, Brian Stichbury and Dave Etherton) were went along to participate and had a very enjoyable day out.

There were several competitions being held including Hand Launch Glider, Catapult Glider, EZB, Living Room Stick, Jiminy cricket, Peanut Scale, and Open Scale.

A Legal Eagle event was also included for the first time and was very well supported. The plan form for the entire model has to fit on a single sheet of paper 8.5 x 14 inches, (apparently this is the size of Legal Papers in the United States).

There were also several fun fly sessions in between the comps for general flying and trimming.

I entered the EZB competition with a model that used an old wing from last year, but had a new prop and a new film covered tailplane. It flew quite well for a short while, but suffered from lack of power in the climb..... more practice and experiments with different prop sizes and pitch needed for next year I think. At the end of the day there were mass launches for the popular Butterfly and Hanger Rat models which are great fun; last one down is the winner.

More photos of the models on display, and a summary of the competition results can be found at the following link.....

http://www.sebmfa.org.uk/indoork2_14.html.



Robert Horton

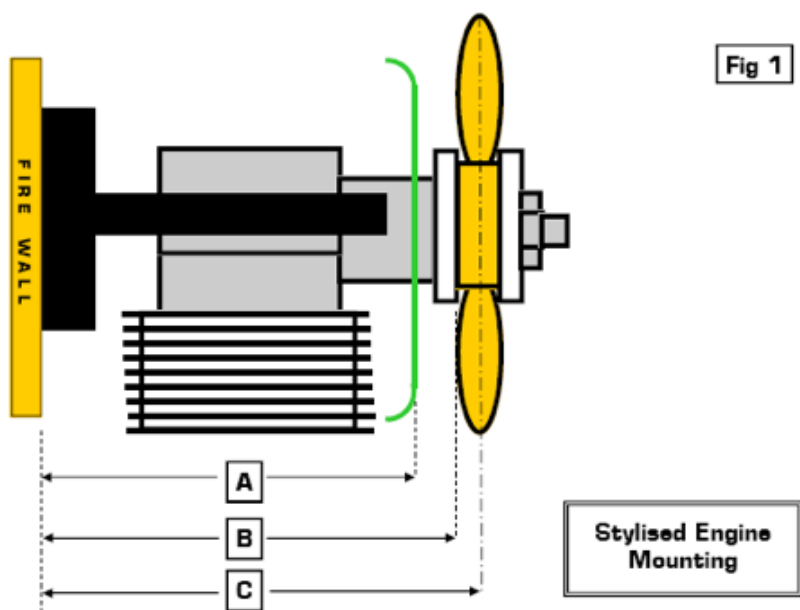
THE THRUST OF THE MATTER - from Bruce

Quite recently Ken Knox asked me if I could help him mount his engine in Mick Reeves FW109D that he'd bought second hand. He wanted to put a big four-stroke in with new engine bearers and since the fire wall looked like it had been sprayed with machine gun bullets it was Murphy's Law that none of the previous engine bearer mounting holes were going to marry with the new bearers. Now warbirds tend to swing large scale-like props and the torque and wash from these will, at the drop of a hat, cause your model to veer violently to the left. To overcome this, plan and kit manufacturers rake the firewall back from the LHS which causes the thrust-line of the engine to point a few degrees to the right there-by countering these effects. Obviously, you can't mount the engine bearers centrally on the firewall, so the problem was to work out just how far they needed to be off-set to the left (or to the right as you look from the front) so that the prop was driving from the models central datum line - and the centre of the cowl.

N.B. Most manufacturers will give an engine mounting guide or show location marks in the fire-wall but had this ever been the case with this model they had long since vanished.

You can of course solve this problem using sight of eye, but I've never found that to be very successful, and if you get it too wrong you get a model that looks bad and flies even worse.

The first step is to fit the cowling and measure the distance from the firewall to its front, as denoted by distance [A] on Fig 1. Next you need to decide how far further forward you want the prop to be - distance [B] on the diagram, which will effectively be the front of the prop driver. This can be affected by a number of factors not least of which will be the type of spinner you might be using. Once you've worked out [B] you can mount your engine in your preferred set of bearers, fit your prop of choice and then measure the distance from the back of the bearers to the centre of the prop hub - [C] - which is the point from which the engine's thrust will be acting.



My FW in Bruce's
Restoration & Repair
Centre KK

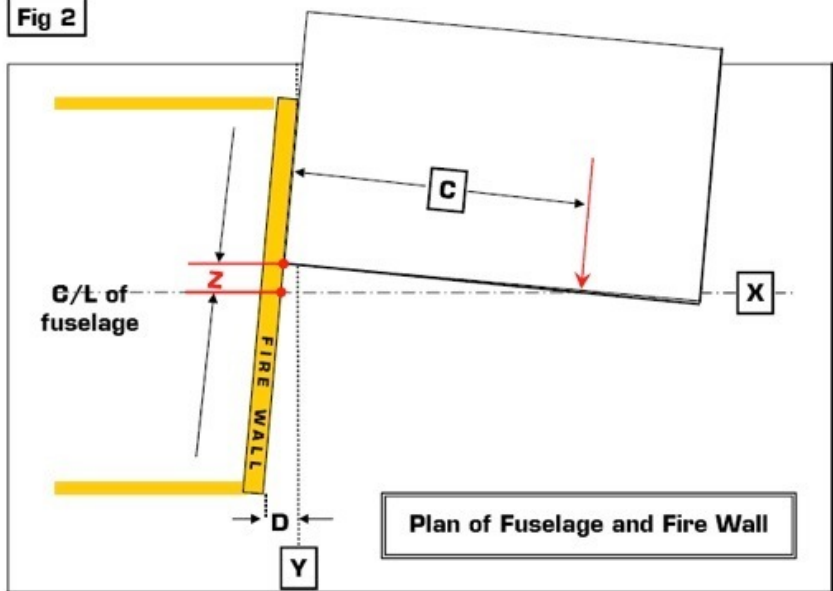
Carefully measure the width of the fire wall [in plan view] and also the amount of rake - [D] in Fig 2, by holding a carpenter's Square to the side of the fuselage. [Mostly fuselage sides are parallel at this point.] Now transfer these measurements onto a stylised plan drawing of the fuselage sides and firewall as shown in Fig 2. It goes without saying that care must be taken here with distances measured and lines drawn accurately. Carefully measure and mark in on this plan Line [X] which is the centre line of the fuselage and parallel to its sides, and also Line [Y] which must be at a right angle to Line [X].

On a separate piece of rectangular paper, carefully measure from one corner, and mark off distance [C]. Now place a rule along the front edge of the firewall on your plan and slide this new piece of paper along it until your '[C] distance mark' intersects with your [X] line.

Now:

- (a) The point where these two lines intersect shows, fairly accurately, where the centre of the prop hub will be; and
- (b) The distance [Z in Fig 2] at the firewall, between the edge of the new piece of paper and the [X] Line will be the distance that the engine bearers need to be offset to the left from the centre of the firewall.

Fig 2



Bruce at the work face



Morris Campbell's "Dago Red" powers by



We would like to welcome John Bransgrove to the club , and wish him many happy flying hours



Due to the Festival of Speed and the Revival meetings at Goodwood, Thorney Island will be closed for flying on 28-29th June and the 13-14th September



Top right: Morris Campbell in his workshop, anti clockwise from top left Bruce Smith's Ethanol, Duke Benson's 'Ultimate' on it's maiden flight, Colin Stevens 'Colibrio', new member John Bransgrove's Hanger 9 'Spitfire' (well flown John), Bruce's 'Harvard', Peter Turley's 'Slick 42' and finally Toni Reynaud's Multiplex 'Minimag'.

EVENTS CALENDAR 2014

Date	Event	Location
March 23rd	Southern Area Auction	Romsey
May 3rd & 4th	South West Model Show	Shepton Mallet, BA4 6QN
Sat May 17th	Blackbushe	Blackbushe
June 28th & 9th	Wings and Wheels	North Weald, CM16 6AR
August 23rd-25th	BMFA Nationals	RAF Barkston Heath
September 13th & 14th	Southern Model Airshow	Headcorn Aerodrome TN27 9HX

Club meetings Calendar 2014

Date	
March 13th	Club Night & Auction
April 10th	John Farley talk
May 1st @ 6pm	Evening Fly-in Goodwood
May 8th	Club Night
June 12th	Club Night
July 10th	Light flight & C/L
July 17th @ 6pm	Evening Fly-in Goodwood
July 20th	BBQ Electric Fly-in Porthole
August 21st @ 6pm	Evening Fly-in Goodwood
August 14th	Club Night
September 11th	Club Night
October 9th	Club Night
November 13th	AGM/Club Night
December 11th	Subscription/Club Night

Competition Calendar

2014



Date and Day	Time	Event	Venue
Saturday March 15th	11.30	Climb and Glide	Thorney Island
Saturday April 12	11.30	Bomb Drop	Thorney Island
Saturday May 10th	11.30	Pattern	Thorney Island
Saturday 31st May	11.30	Slope Competition	Trundle Hill
Saturday June 14th	11.30	Scramble i/c only	Thorney Island
Saturday July 12th	11.30	Scale	Thorney Island
Saturday 9th August	11.30	Open Glider	Thorney Island
Saturday August 16th	11.30	Open Glider	Thorney Island
Saturday August 30th	11.30	Open Glider	Thorney Island
Saturday September 6th	11.30	Open Glider	Thorney Island
Saturday September 20th	11.30	Loops,Rolls & Spins	Thorney Island
Saturday October 11th	11.30	Slope/electric duration	Trundle Hill
Sunday November 9th	12.00	Open glider fun day/ electric duration	Thorney Island in aid of Poppy day appeal

Committee meeting dates for 2014

1st April, 6th May, 3rd June, 1st July, 5th August, 2nd September, 7th October, 4th November and 2nd December

Urgent Note to all Users of Porthole Farm

It is imperative that when entering and leaving the field **you must LOCK** the gate behind you irrespective of other people/vehicles still being there (i.e. Dog trainers) as the land owner has **INSISTED** that this be carried and is a fundamental clause in the use of the field.

Please Try to leave
Porthole as tidy as
possible making
sure no fuel is left
on site

When
Driving
Around Thorney
be aware of young children
on bikes

New Medical Emergency Information Cards have been produced to allow members to record personal information that would be useful in the event of illness or injury on our flying sites. They are not compulsory and will be issued to members by the Membership Secretary on request at club meetings.

A REMINDER OF FLYING TIMES AT THORNEY

Saturdays and Sundays Only

10.30 Electric only (No Ducted Fans), 11.30 for Electric and IC.

No flying after 18:00 hours

Thorney may be closed for access and flying from time to time as per notices posted Clear Dope and on the web site

www.cadmac.co.uk

Pass system for Thorney Island.

The process for gaining access to the Island will be through the collection of a temporary car pass via the Main Entry Point gate post which must be returned on exiting the establishment. Temporary passes will be issued for a vehicle and its occupants provided that:

- All individuals are registered on the Club's membership list as held at the gate post.
- All vehicles are road legal and details (Make, Model, VRN) held on membership list.
- All vehicle occupants provide photo identification (driving licence or passport) to cross-reference with membership lists on entry.
- Users accept vehicle searches on entry and departure.
- The vehicle and occupants only use and park at the facility of which they are a member: other areas of the Island remain out of bounds, and military personnel will challenge breeches and are empowered to remove passes and escort non-compliant personnel off the Island.
- It is an MOD and club requirement that all members visiting the Island carry with them the current Club and BMFA cards