



**WHIRLYKITS
PRESENT...**

English Electric Lightning T.5

Kit No.

WKM006

History

The English Electric Lightning T.5 was the 2-seat equivalent of the single-seat F.3, with square-topped fin and extended cable ducting.. 22 aircraft were built in all (XS416 - XS423, XS449 - XS460 and XV328 - XV329).

The T.5 followed the earlier T.4 into service with various training units - notably 266 OCU, and in the same fashion as the T.4 provided 2-seat check aircraft for the operational squadrons. In this guise, the T.5 remained in service until the end of Lightning operations.

Preparation

Remove moulding 'gates' from component parts, using a sharp knife or razor saw as necessary.

Lightly sand fuselage joining surfaces with fine wet-and-dry paper (use wet to prevent inhaling resin dust).

Wash all resin parts in warm soapy water, rinse off and dry well to remove release agent.

Assembly

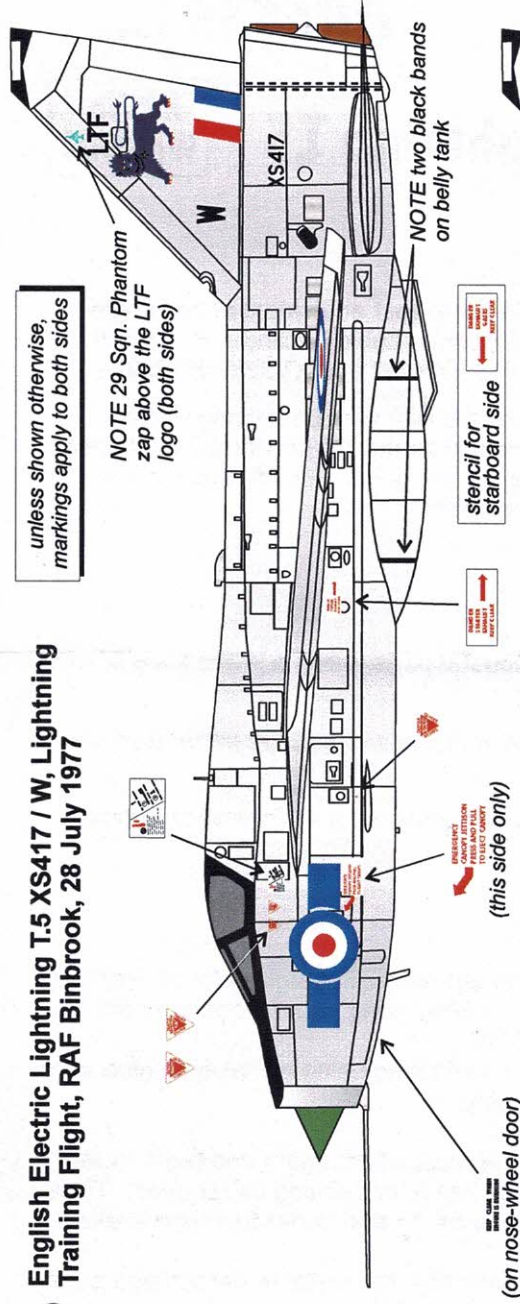
We recommend using a cyanoacrylate adhesive (Superglue) for all resin and metal joints. If necessary, joints can be filled using your favourite model filler.

The clear vac-form canopy can best be attached using a PVA-type glue such as *Micro Crystal Clear* to prevent fogging.

Fit the internal parts (i.e. engine turbine face, afterburners and radar 'bullet' fairing in the air intake) in one fuselage half after painting as required. Then join fuselage halves. Add wings, tailplanes, fin and under-fuselage strake.

Detail cockpit using parts supplied. Assemble the metal undercarriage parts using the exploded drawings as a guide, and fit to the respective undercarriage bays. Add undercarriage doors and pitot boom.

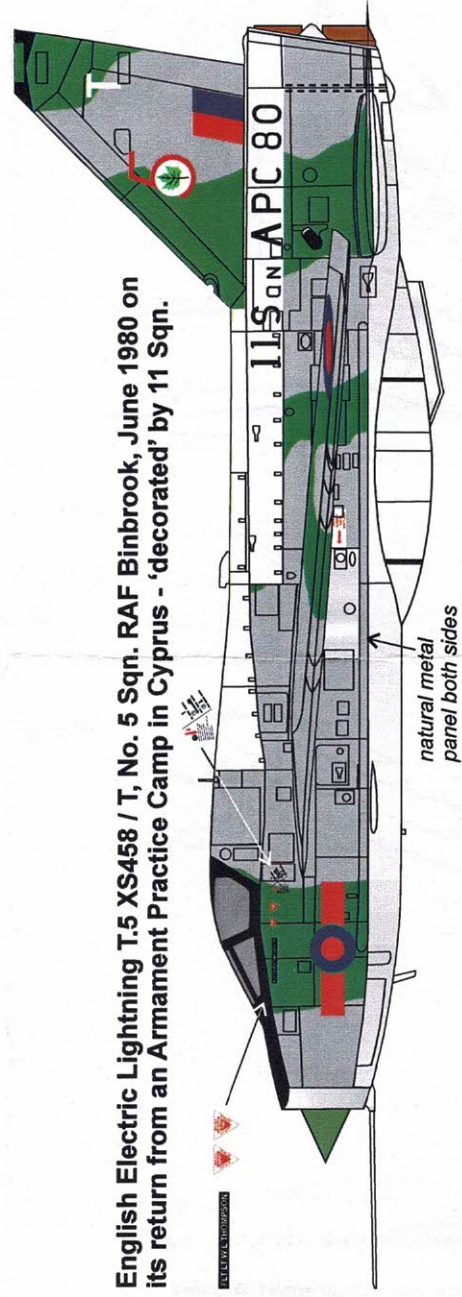
(A) English Electric Lightning T.5 XS417 / W, Lightning Training Flight, RAF Binbrook, 28 July 1977



(B) English Electric Lightning T.5 XS419, T2 Sqn. 226 OCU, RAF Coltishall, late 1960's

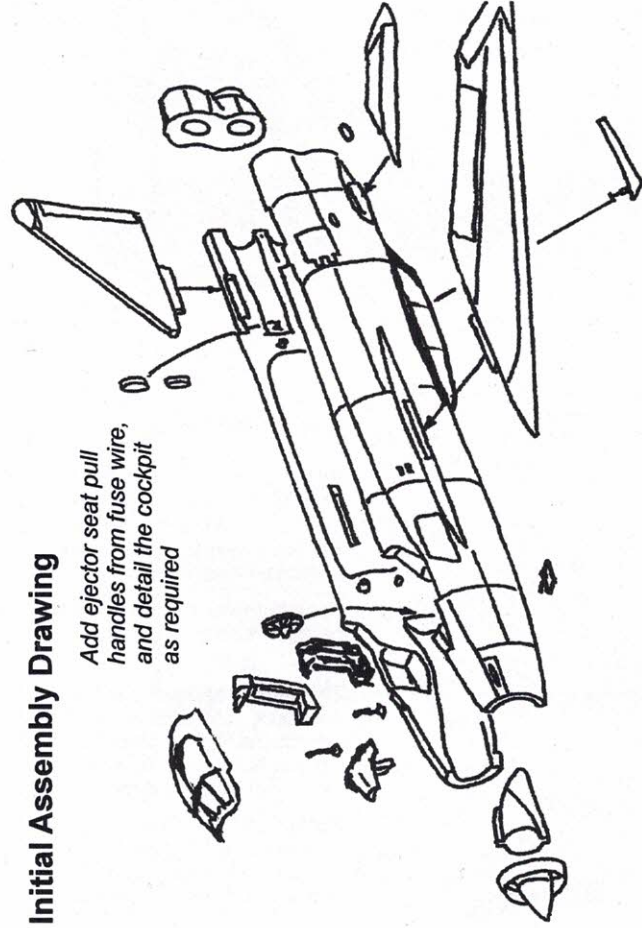


(C) English Electric Lightning T.5 XS458 / T, No. 5 Sqn. RAF Binbrook, June 1980 on its return from an Armament Practice Camp in Cyprus - 'decorated' by 11 Sqn.

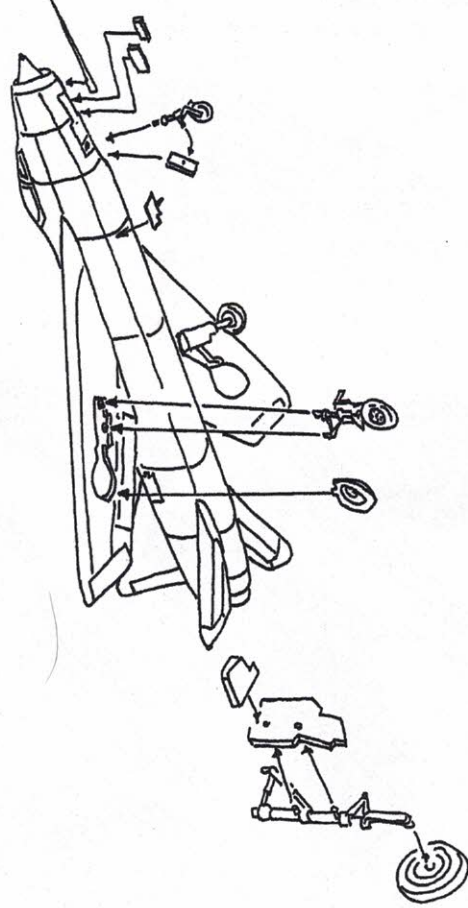


Initial Assembly Drawing

Add ejector seat pull handles from fuse wire, and detail the cockpit as required



Undercarriage Assembly Drawing



Original Master by Bob Hine.

Model plus decals © Whirlybird 2003

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Lightning References:

The Lightning is very well served with reference material.

We have found the following useful:

- BAC Lightning, Alan W. Hall, Warpaint Series No. 14**, Hall Park Books Ltd. ISSN 1363-0369
- The English Electric Lightning, A Comprehensive Guide for the Modeller**, Richard Caruana, SAM Publications 2003, ISBN 0 9533465 7 9
- Lightning - Aircraft Illustrated Special**, Roger Lindsay, Ian Allan Ltd. 1989, ISBN 0 7110 1825 1
- Lightning**, Ian Black, Airline Publishing Ltd., 1988, ISBN 1 85310 044 7
- Lightning - Aeroguide 8**, Roger Chesneau & Ray Rimell, Linewrights Ltd., 1984, ISBN 0 946958 07 6
- The BAC Lightning - Air Extra No. 14**, Ed. E.L. Cornwell, Ian Allan Ltd. ISSN 0307-7411
- English Electric/ BAC Lightning**, Bryan Philpott, Patrick Stephens Ltd. 1984, ISBN 0-85059-687-4
- Lightning Strikes**, Martin W. Bowman, Airline Publishing Ltd., 2001, ISBN 1 84037 236 2
- English Electric/ BAC Lightning**, Bruce Barrymore Halpenny, Osprey Air Combat series, 1984, ISBN 0 85045 562 6
- Lightning - RAF Aircraft Today-2**, Arthur Reed, Ian Allan Ltd., 1984, ISBN 0 7110 1407 8
- Wings of Fame Volume 7**, Aerospace Publishing Ltd. 1997, ISSN 1361-2034

Various issues of **Scale Aircraft Modelling**

In addition, there are some very nice Lightning photographs in:

- Fast Jets - A Pilot's Eye View**, Chris Allan, Osprey Colour Series, 1986, ISBN 0-85045-661-4
- Fast Jets 2**, Chris Allan, Osprey Colour Series, 1987, ISBN 0-85045-754-8
- Jet Combat - Hot and High, Fast and Low**, Ian Black, Osprey Colour Series, 1988, ISBN 0-85045-839-0
- Dogfight - Jet Fighters in Combat**, Chris Allan, Osprey Colour Series, 1989, ISBN 0-85045-866-8

We can also unreservedly recommend a recently-procured CD ROM by Fred Martin's company *RZF Digital Imaging Publishing: Lightning Part 1 - The Binbrook Years*. See their web site for further details:

www.rzf-digitalimaging.co.uk

Hopefully this will be followed by the rest of the Lightning story in pictures!

Decal Care Instructions

Thank you for choosing *Whirlybird* decals. In order for you to achieve the perfect finish to your model, we have some pointers on the care and usage of these decals.

- ✓ The decals scratch rather easily, so keep the interleave sheet on until you are ready to use the decal. It might help to cut the decals out with the tissue interleave sheet still in place to avoid accidental scratching.
- ✓ Our decals have no carrier film. This helps the user to achieve that 'painted on' look. However, it also means that those items which consist of several separate pieces (e.g. *data*, *serial numbers etc.*) are not physically joined together on the decal sheet by carrier film. When they are soaked prior to application, they will therefore separate into their component pieces unless steps are taken to prevent this. We recommend that you give any items you want to stay together a couple of coats of acrylic varnish. We have had very good results using *Microscale Liquid Decal Film*. If this is not available, we recommend *Johnson's Klear/Future floor wax* - if you use anything other than either of these, then we would suggest that you try it out first on the *Whirlybirds* logo on the decal sheet. We have noticed that some varnishes and decal coatings react with the ink we use for our decals and cause wrinkling. After an acrylic coating has been applied and has dried, then you can use another varnish to provide structural strength for your decal before application.
- ✓ Only soak an unvarnished decal for about 20 seconds - if you apply varnish, you may find that it takes a little longer to release the decal.
- ✓ Use decal application solutions (we like *Johnson Klear/Future floor wax* - if you use anything else, try it out on the *Whirlybird logo first!*) to lay the decal with.
- ✓ Float the decal carefully onto the model as close to it's final position as possible. As the decals are very thin, they may break up if handled too much.

We hope that this decal sheet has given you the opportunity to make an aircraft in a scheme not covered by the main-stream decal producers.

Please remember, however, that these are hand-produced decals, so bear this in mind as you use them, and give them the TLC they require.

A point to ponder...

Have YOU got a scheme you would LOVE to model, you've done the research, but nobody has produced the decal sheet yet?

Give *Whirlybird* a ring on +44(0)1226 203784
or send us an e-mail to Whirlybird@dunamai.com
- we just might be able to help!

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