

P.P. AEROPARTS MODEL ACCESSORIES



REMEMBER THAT ORDERS FOR P.P. AEROPARTS CAN BE SENT BY FREEPOST, SO NO STAMP REQUIRED! USE THE PRE-ADDRESSED ENVELOPE INCLUDED WITH YOUR DELIVERY. WE WOULD OF COURSE BE DELIGHTED TO RECEIVE YOUR SUGGESTIONS FOR FUTURE RELEASES, THESE & OTHER ENQUIRIES CAN BE SENT DIRECTLY TO

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HAVE YOU EVER SPENT HOURS TRYING TO MAKE AN ACCESS LADDER FOR YOUR LATEST MODEL MASTERPIECE? TRICKY, ADENT THEY??

WELL, NOW YOU CAN FORGET BURNING YOUR FINGERS SKETCHING SPRUE & PUT AWAY THE STYRENE STRIP.

P.P. MODELS (HAMBOCK) HAVE SOLVED YOUR PROBLEMS WITH THIS NEW RANGE OF LADDER KITS, DESIGNED TO PRODUCE ACCURATE REPLICAS OF THE REAL EQUIPMENT FOR YOUR DIORAMAS. PHOTO ETCHED IN THIN BRASS SHEET, THESE EXCITING NEW AIDS FOR THE MODEL AIRCRAFT ENTHUSIAST HAVE A REALISM & FINESSE IMPOSSIBLE TO ACHIEVE EVEN WITH MODERN INJECTION MOULDING.

COMING COMPLETE WITH A FULLY ILLUSTRATED INSTRUCTION SHEET, YOU WILL FIND THAT WITH A LITTLE CARE THESE MODELS CAN BE QUICKLY & EASILY CONSTRUCTED & WHEN LOCKED ONTO YOUR MODEL JET PLANE, YOU WILL BE DELIGHTED WITH THEIR TRUE TO LIFE APPEARANCE.

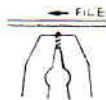
P.P. MODELS (HAMBOCK) WILL BE CONTINUOUSLY EXPANDING THE RANGE OF LADDERS & OTHER ACCESSORIES, SO WATCH OUR ADVERTISEMENTS FOR NEW RELEASES.

CUTTING OUT:

FIRSTLY, USE A FIRM CUTTING SURFACE, FOR EXAMPLE SCRAP PERSPEX OR THICK PLASTICARD. THE SURFACE MUST NOT DISTORT WHEN A CUT IS MADE OR THE BRASS WILL BE DISTORTED TOO! THEN, USING EITHER A SWISS KNIFE OR STANLEY KNIFE, CUT AS CLOSE TO THE REQUIRED PART AS POSSIBLE.

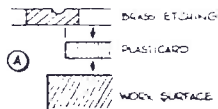


ANY TAG SCARS ON PARTS CAN BE CAREFULLY FILED AWAY WITH A SWISS FILE, HOLDING THE PART FIRMLY IN A PAIR OF PLIERS, SUPPORTING THE BRASS RIGHT UP TO THE TAGS.



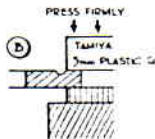
FOLDING:

SEVERAL METHODS OF FOLDING THE ETCHINGS CAN BE USED, BUT ALL WORK ON THE SAME PRINCIPLE, THAT THE BRASS IS FULLY SUPPORTED RIGHT UP TO THE LINE OF THE FOLD. THE FOLDS MUST BE MADE IN ONE GO. ANY ATTEMPT TO WORK ALONG THE FOLD BIT BY BIT WILL DISTORT THE PART BEYOND REPAIR.

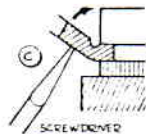


METHOD FOR STEPS:

1. REST THE LADDER ON A THICK PIECE OF PLASTICARD NEAR THE EDGE OF YOUR WORK SURFACE, FOLD GROOVES UPWARDS. ALIGN THE STEP WITH THE EDGE OF THE CARD, THE PORTION TO BE FOLDED OVER-HANGING THE EDGE.



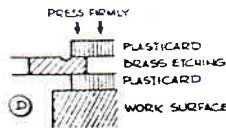
2. USING A PIECE OF TAMMYIA 3mm SQUARE SECTION ROD, GRIP THE RUNG AGAINST THE PLASTICARD, PRESSING VERY FIRMLY!



3. FROM THE UNDERSIDE USING A FINE SCREWDRIVER, GENTLY PUSH THE FOLDING SECTION UPWARDS, FOLDING ALONG THE GROOVE AT THE DESIRED ANGLE.

LONG FOLDS

TRAP THE PART ALONG THE LINE OF THE FOLD USING TWO PIECES OF THICK PLASTICARD. ALIGN THE EDGES OF THESE PIECES EITHER SIDE OF THE FOLD LINE. PRESS THIS ASSEMBLY DOWN ONTO YOUR WORK SURFACE & SLIP A THIRD PIECE OF PLASTICARD UNDER THE PROTRUDING ETCHING & LIFT TO FOLD TO THE REQUIRED ANGLE. (D) (E)



SMALL PARTS

SMALL PARTS CAN BE FOLDED BY HOLDING THE BRASS WITH TWEEZERS OR PLIERS UP TO THE FOLD GROOVE, USING A SCREWDRIVER TO FOLD OVER TO THE REQUIRED ANGLE.

ASSEMBLY

THE EASIEST & NEAREST WAY TO ASSEMBLE THESE KITS IS TO USE SUPERGLUE. APPLY WITH A PIN OR A SCALPEL BLADE, RATHER THAN DIRECTLY FROM THE TUBE.

EPoxy GLUES CAN ALSO BE USED, OR THE PARTS CAN BE SOLDERED TOGETHER. REMEMBER TO DE FLUX THE ASSEMBLED ETCHING BEFORE PAINTING. WASHING UP LIQUID CAN BE USED FOR THIS, RINSED OFF WELL BEFORE PAINTING.

PAINTING

IDEALLY THE BRASS SHOULD BE PRIMED USING SELF-ETCHING POWDER, BUT AN UNDERCOAT OF WHITE OR GREY ENAMEL WILL DO AS WELL. FINAL COLOURING SHOULD BE CHECKED AGAINST YOUR PREFERENCES, VARIATIONS ARE FAR TOO DIVERSE TO GO INTO DETAIL ON THIS SHEET, HOWEVER, LADDERS ARE USUALLY YELLOW OR RED, OFTEN WITH THE SERIAL NUMBER OF THE AIRCRAFT TO WHICH IT

BELONGS, STENCILLED IN A PROMINENT POSITION. TREADS ON RUNGERS & STEPS ARE USUALLY RUBBER EQUIPMENT IN USE IN COMBAT ZONES IS OFTEN PAINTED CAMOUFLAGE GREEN. CHECK YOUR PREFERENCES!

BECAUSE OF THE HARD LIFE THESE LADDERS LEAD, WEAR ON THE PRINTWORK IS OFTEN EVIDENT, THIS CAN BE SIMULATED BY DRY-BRUSHING WITH ALUMINIUM COLOURED PRINT. SEE INDIVIDUAL INSTRUCTION FOR LADDER PLACEMENT ON AIRCRAFT. WHILE PARKED, THE LADDERS ARE OFTEN PLACED BESIDE OR UNDER THE NOSE OF THE AIRCRAFT, READY FOR USE.

USEFUL REFERENCES INCLUDE THE 'DETAIL' SCALE 'SERIES', 'SQUADRON/SIGNAL SERVICES' (IAN ALLEN'S 'MODERN COMBAT AIRCRAFT' SERIES), AVIATION MAGAZINES SUCH AS 'SCALE AIRCRAFT MODELLING', 'FLIGHT INTERNATIONAL' AMONGST MANY OTHERS.

P.P.AEROPARTS
MODEL
ACCESSORIES



AL725 Ladder for Lockheed T33 and F94

1. Cut the main frame etching from the surround and after cleaning up any tag scars carefully fold the side frames to 90 degrees.
2. Cut 3 long rung etchings and carefully glue them into place locating into the notches in the upper side frames. A spare rung is included in case of loss or damage.
3. Cut 2 buffer strips and ensuring the half-etched grooves are outside, carefully curve these pieces to match the frame curves and then glue into position. See the diagram for exact placement.
4. As an optional fitting the central vertical strut can be fitted, locating over the rungs via the notches in the rungs and strut.
5. After priming, paint the ladder (check references! Yellow, orange, red have all been used!) The ladder fits by hooking over the cockpit sill and resting on the fuselage.

Our thanks to Mr Robert C Ferguson of the Lockheed Corporation, California, for his assistance with the preparation of this kit.

