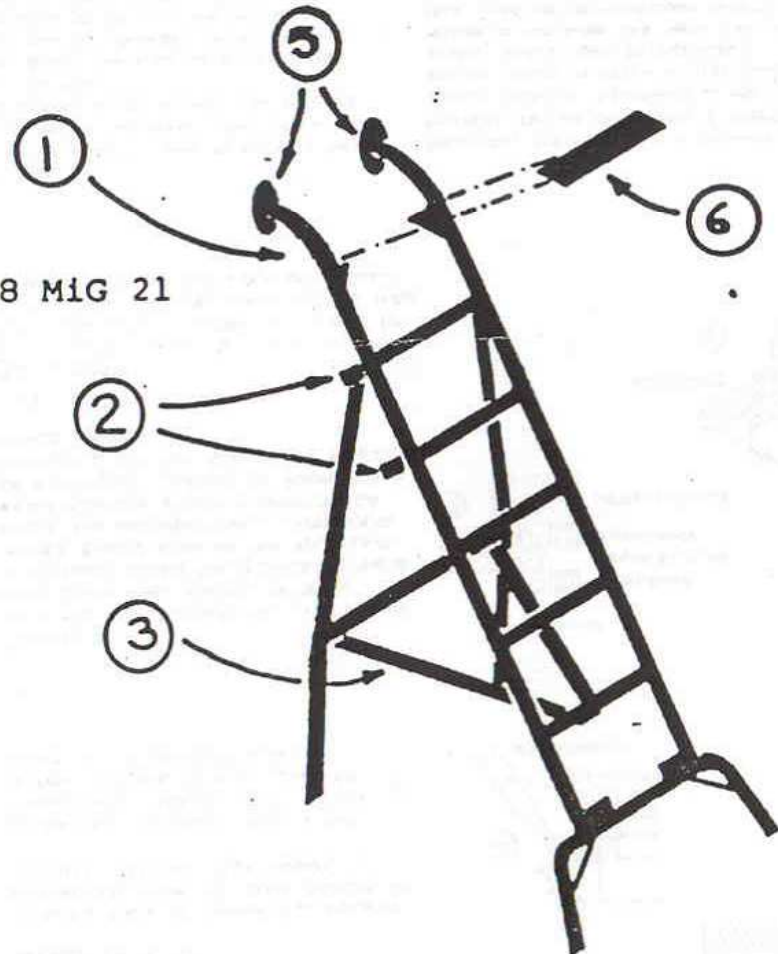


AL708 MiG 21

1. Carefully curve over top of ladder side frames as in diagram.
2. Fold side brackets (2 each side) to 90 degrees, using tweezers.
3. Fold A frame on rear legs to about 80 degrees.
4. Locate tops of rear legs between front side brackets and A frame under second rung. Glue in place.
5. Glue buffer pads on top ends of ladder side frames.
6. Glue top step in place, noting half etched slot engages with triangular bracket.

AL708 MiG 21



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

PP MODELS
Unit 12, Station Road Workshops
Kingswood
Bristol, Avon, U.K.
BS15 4PR
Tel: 0272 575577 ext 222

HAVE YOU EVER SPENT HOURS TRYING TO MAKE AN ACCESS LADDER FOR YOUR LATEST MODEL MASTERPIECE? TRICKY, ADEPT THEY? WELL, NOW YOU CAN FORGET BURNING YOUR FINGERS STRETCHING SPRUE & PUT AWAY THE STYRENE STRIP.

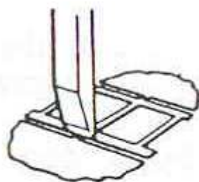
P.P. MODELS (HAMBOCK) HAVE SOLVED YOUR PROBLEMS WITH THIS NEW RANGE OF LADDER KITS, DESIGNED TO PRODUCE ACCURATE REPLICAS OF THE REAL EQUIPMENT FOR YOUR DIORAMAS. PHOTO-ETCHED IN THIN BRASS SHEET, THESE EXCITING NEW AIDS FOR THE MODEL AIRCRAFT ENTHUSIAST HAVE A REALISM & FINESSE IMPOSSIBLE TO ACHIEVE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

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

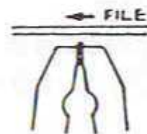
P.P. MODELS (HAMBOCK) WILL BE CONTINUOUSLY EXPANDING THE RANGE OF LADDERS & OTHER ACCESSORIES, SO WATCH OUR ADVERTISEMENTS FOR NEW RELEASES.

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 SHARP 1/4" CHISEL OR STANLEY KNIFE, CUT AS CLOSE TO THE REQUIRED PART AS POSSIBLE

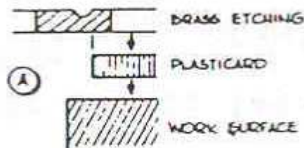


ANY TAG SCABS ON PARTS CAN BE CAREFULLY FILED AWAY WITH A SWISS FILE, HOLDING THE PART FIRMLY IN A PAIR OF PLIERS, SUPPORTING THE BRASS RIGHT UP TO THE TAG.



FOLDING:

SEVERAL METHODS OF FOLDING THE ETCHINGS CAN BE USED, BUT ALL WORK ON THE SAME PREMISE, 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 BY BIT BY BIT WILL DISTORT THE PART BEYOND REPAIR

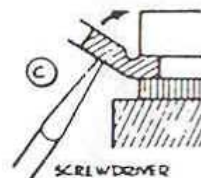
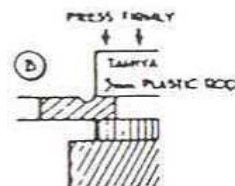


METHOD FOR STEPS:

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

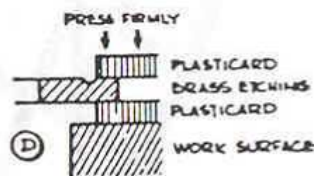
2 USING A PIECE OF TAMMY 3mm SQUARE SECTION ROD, GRIP THE RUNG AGAINST THE PLASTICARD, PRESSING VERY FIRMLY!

3 FROM THE UNDERSIDE USING A FINE SCREWDRIVER, CAREFULLY PUSH THE FOLDING SECTION UPWARDS, FOLDING ALONG THE GROOVE TO THE DESIRED ANGLE



BIG 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. 4 5



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 & NEATEST 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 PRIMER, BUT AN UNDERCOAT OF WHITE OR GREY ENAMEL WILL DO AS WELL. FINAL COLOURING SHOULD BE CHECKED AGAINST YOUR REFERENCES, 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

BELOUGS, STENCILLED IN A PROMINENT POSITION. TREADS ON RUNGS & STEPS ARE USUALLY RUBBER. EQUIPMENT IN USE IN COMBAT ZONES IS OFTEN PAINTED CAMOUFLAGE GREEN, CHECK YOUR REFERENCES! BECAUSE OF THE HARD LIFE THESE LADDERS LEAD, WEAR ON THE PAINTWORK IS OFTEN EVIDENT, THIS CAN BE SIMULATED BY DRY-BRUSHING WITH ALUMINUM COLOURED PAINT. 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" SERIES, IAN ALLEN'S "MODERN COMBAT AIRCRAFT" SERIES, AVIATION MAGAZINES SUCH AS "SCALE AIRCRAFT MODELLING", "FLIGHT INTERNATIONAL" AMONGST MANY OTHERS