

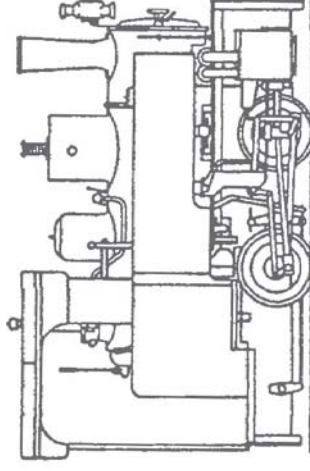


## MOSSKITO MODELS

6 CLEAVERS CLOSE SISSINGHURST KENT TN17 2JX

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MM11



### Decauville 6.5 tonnes 0-4-0

#### HISTORY

The Decauville company produced the first system of portable railways for agricultural usage and the name has become synonymous with this form of light, and sometimes temporary trackage.

The subject of this kit represents a medium sized loco from the range produced in large numbers at the factory at Corbeil-Essonnes. Used by the French Army on its fort and strategic supply railways, by many industrial concerns in France and widely exported to the French colonies for use in quarries and plantations. A number of similar designed 0-4-0s (and its larger 0-6-0 derivative) have been preserved on french tourist lines and an example Of these may be seen at the Amberley Chalk Pits Museum, West Sussex.

This kit has been designed to fit the chassis used in the Jouef HOe 'Decauville' 0-4-0 locomotive. Detailed instruction are included for the adaption of the body . kit to alternative more widely available chassis units.

Illustrations, diagrams and text Copyright Mosskito Models 1994. The original masters were made by Raymond Duton.

## BEFORE YOU BEGIN

Please read and study thoroughly the instruction notes, exploded diagrams and the recommended order of building. Try to become as familiar as possible with all the parts and components supplied and their purposes before commencing building. Check the assembly at each stage to ensure accuracy.

Work on a clear area under a good light source. Have all the recommended tools to hand before starting. Do not rush the assembly stages or attempt them out of order. Clean any 'flash' or moulding lines from castings only after checking that to do so will not interfere with the fit or appearance of the part. A sharp knife will remove most flash. Only use files on parts with care as the white metal is easily marked by careless or overzealous work with cutting tools. Use wet and dry paper wherever possible and a final polishing with a fibreglass pen or scratch stick.

Use filler, e.g., epoxy putty (Milliput) if any gaps are present, smoothing filler with wet and dry paper (400 grit or finer).

## TOOLS REQUIRED

We recommended that you have a good quality set of Swiss needle files, wet and dry abrasive paper of various grades. Sharp knife, pin chuck, small drills, and fine long nose pliers. A square of flat thick card or wood is a useful surface to work on.

The primary, and strongest method, of assembly for this kit is by soldering the white-metal parts using low-melting solders and matching fluxes preferably applied using a temperature controlled electric soldering iron or a 12volt iron with the temperature regulated via a power controller. Soldering gives an uncompromisingly quick and robust result and is a technique well worth mastering and is not such a daunting method as is imagined by some. With the white-metal parts an additional bonus is that the searching action of properly applied solders acts as filler. Some components will still need to be glued in place particularly the small details etched and cast detail parts, thus preventing possible damage through excessive heat.

If you insist on a wholly glue assembly of the whitmetal structure quick setting epoxy resins, five or ten minute, may be used or a cyano-acrylate 'superglue' variant but not of the instant stick type. A gap filling variety such as Zap • a - Gap with a slower grab time gives some adjustment during setting - oh! and make certain to get some of the de-bonder at the same time as it may come in useful. Make certain that all parts are clean and free of dust and grease before fixing.

## SOLDERING

White-metal parts:

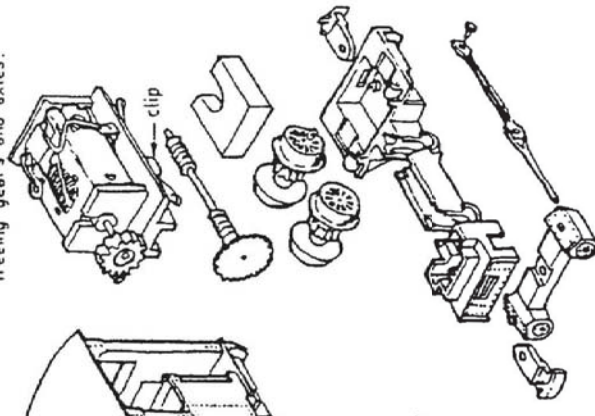
Carr's 70 C melting point solder with Red Label flux

12 volt or temperature controlled electric soldering iron

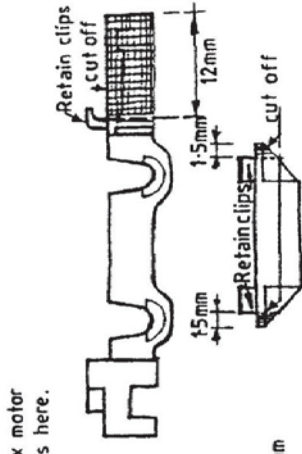
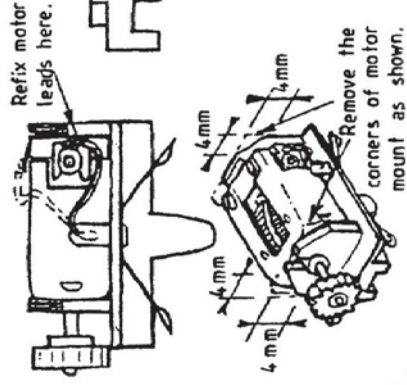
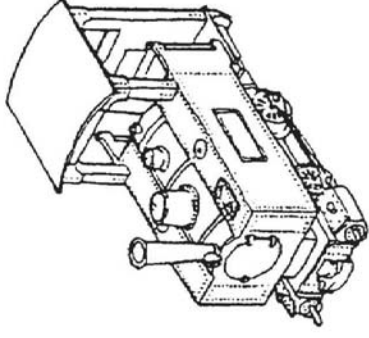
Remember to thoroughly clean the finished soldering work up as you go as the mildly corrosive action of fluxes can tarnish the metalwork in short time. A solution of domestic scouring powder, Ajax, Cif etc. and warm water applied with an old toothbrush is quite effective. Rinse well and leave to dry,

Adapting the JOUEFF  
DECAUVILLE chassis

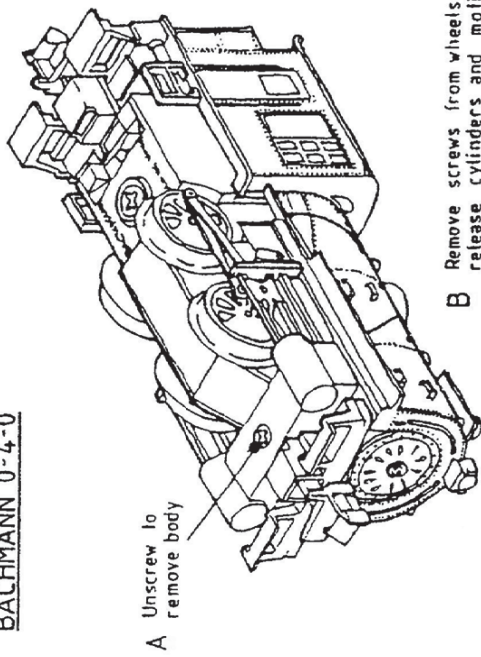
Motor mount unclips  
freeing gears and axles.



To remove the body unscrew  
chimney, lift and push the  
body backwards.

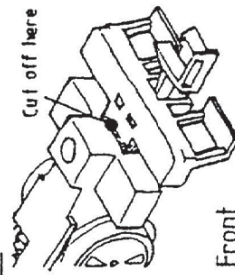


Adapting the BACHMANN 0-4-0



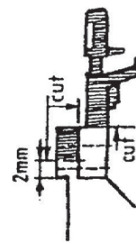
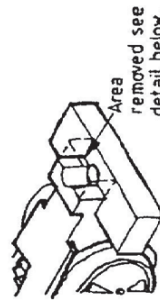
- B Remove screws from wheels to release cylinders and motion. Keep the 4 screws for reuse.
- C Remove motor put screw back in motor for reuse.
- D Wrap Clingfilm round chassis to stop bits getting into gears.

Chassis

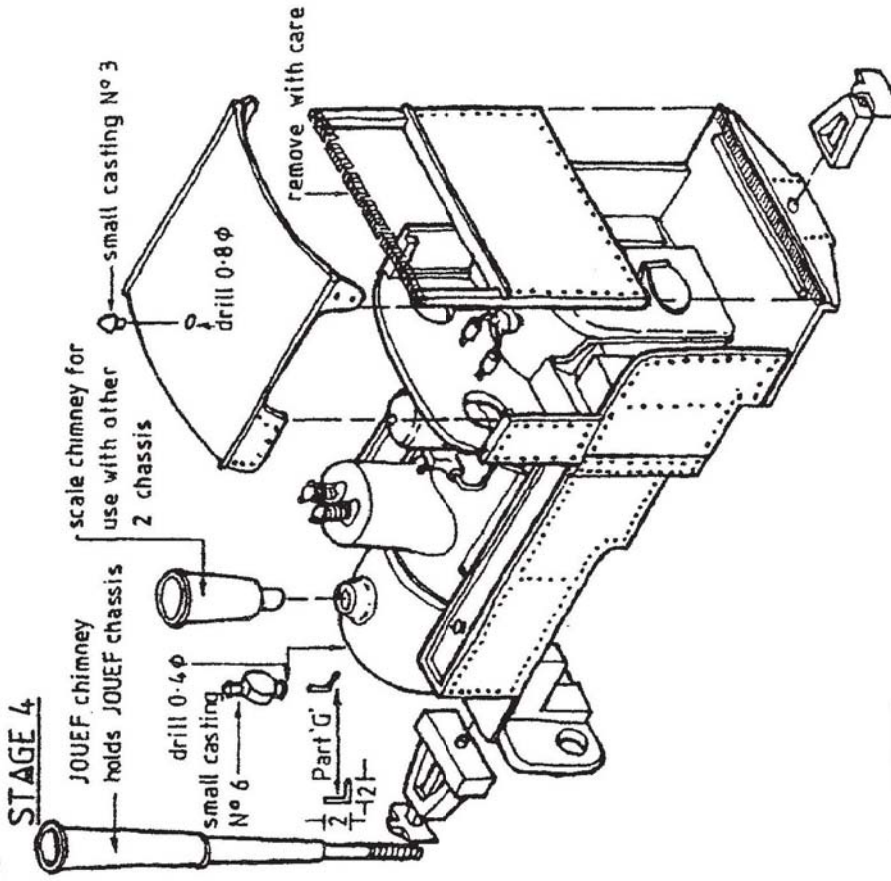


Front

- E Cut the coupling off, then remove areas as shown on large detail. also the coupling.



**STAGE 4**



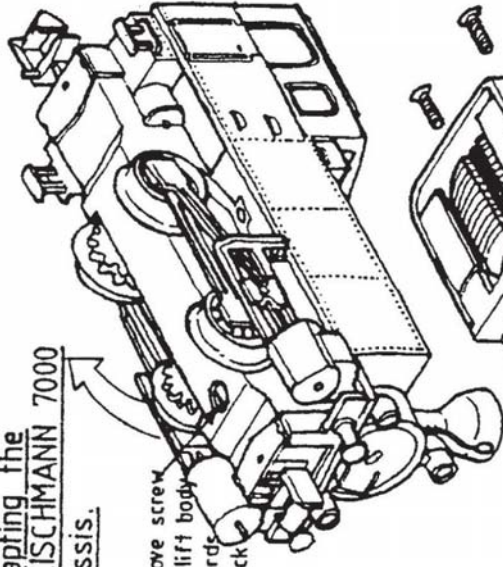
**PAINTING AND FINISHING**

Carefully wash the body to remove grease, flux and metal residue and prime, we recommend Halford's grey acrylic car primer. Military locos can be painted light olive, industrial and 'preserved' locos are to seen in various colour schemes.

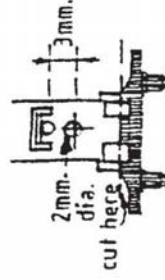
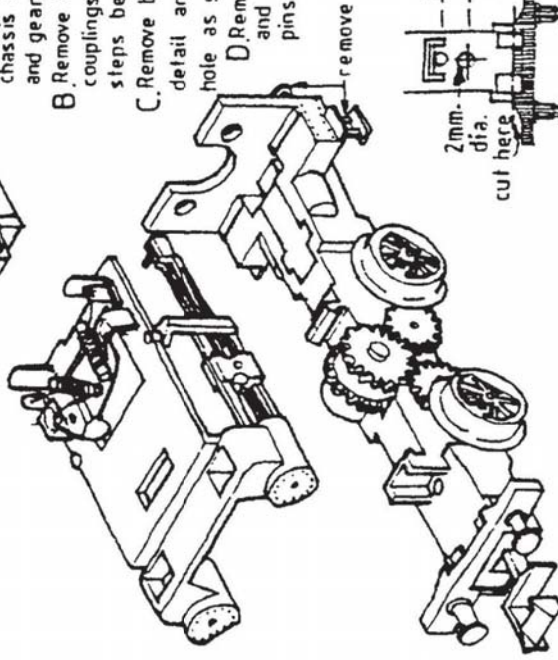
We highly advise the use of an airbrush for painting, even the most basic of which will give a much better finish than hand brushing and will avoid that 'just-dipped- in-a-tin' look. Thinly airbrushed coats of acrylic paint will also not obscure the fine surface detail on castings and etched parts.

**Adapting the FLEISCHMANN 7000 chassis.**

Remove screw and lift body upwards & back



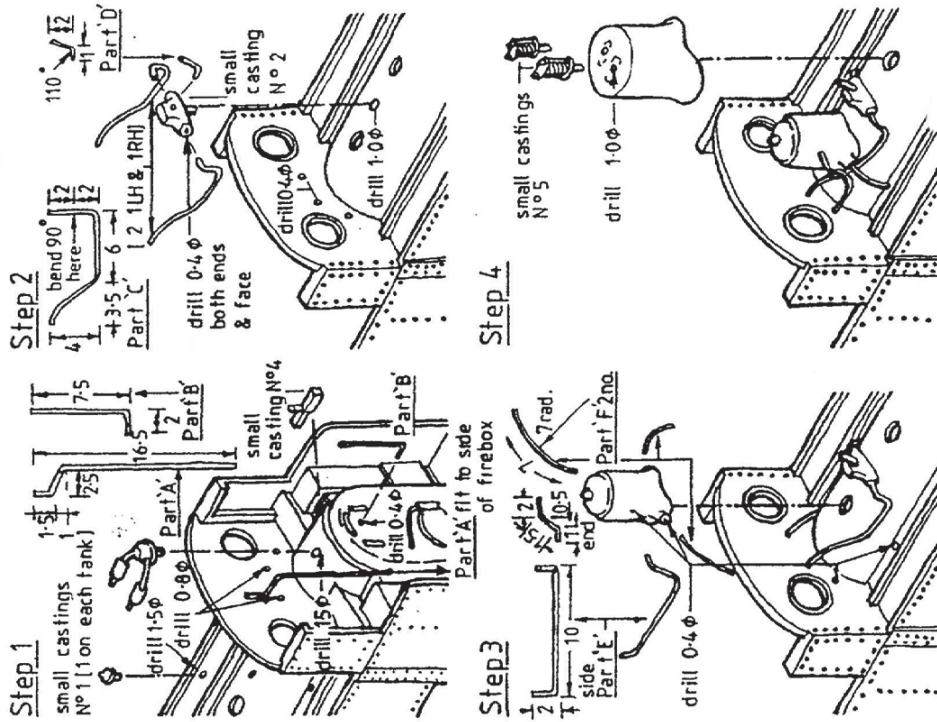
- A. Remove body and take chassis apart, wrap motor and gears in Clingfilm.
- B. Remove front and rear couplings together with steps below footplate.
- C. Remove buffer beam as detail and new 2mm  $\phi$  hole as shown
- D. Remove rear buffers and body locating pins.



**STAGE 3: PIPEWORK & CAB FITTINGS**

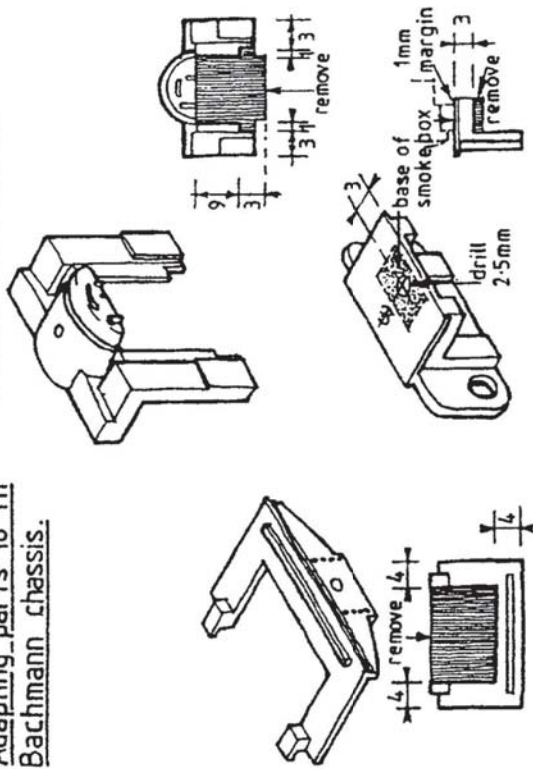
**NOTE**  
All lettered parts are made from 0.4 $\phi$  brass wire. All sizes in millimetres.

**Small castings:**  
Remove as needed to save loss

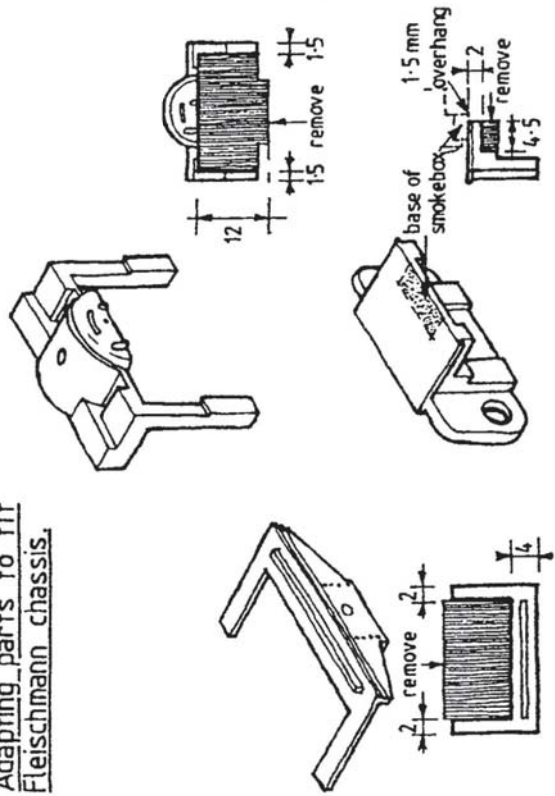


All dimensions in millimetres

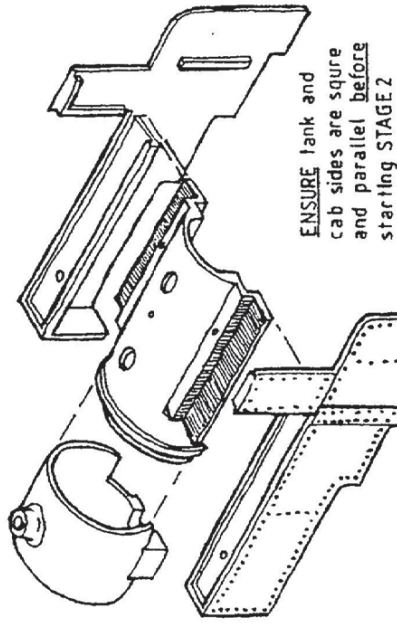
Adapting parts to fit Bachmann chassis.



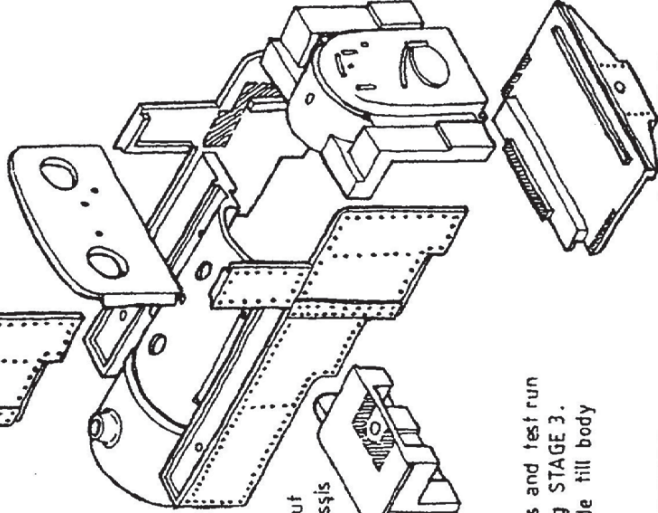
Adapting parts to fit Fleischmann chassis.



STAGE 1 [ Note ALL drawings are for the JOUEF chassis ]



STAGE 2



TRIAL fit chassis and test run before starting STAGE 3. Set chassis aside till body is finished.