

BUILDING THE MM1 CLASS 40



Tools Required

The standard toolbox for assembly of this kit includes Needle files Scalpels using No's 10A & 11 blades. Always keep blades sharp and replace often. A most useful and important tool for working with resin parts are handmade sanding sticks fitted with various grades of Wet & Dry paper fixed with Double Sided Tape. Rigid sticks can be made from Wood or Acrylic and flexible ones with 1.5mm Styrene strip. All finishing prior to painting on this model was done with 600 grade Wet & Dry paper. Masking Tape is ideal for temporary assembly of parts.

Glues

All MM1 display models are built using two main glues, both are manufactured by PACER and are available from JUST LIKE THE REAL THING. The first is ZAP CA - a water thin Cyanoacrylate Adhesive. The second is SLO ZAP or ZAPAGAP, a much thicker adhesive with superb gap filling properties when used along with ZIP KICKER accelerator. ZIP KICKER is supplied in a spray can but is better decanted into a lid and applied with a piece of wire or similar as using the spray can will result in huge areas of the model becoming coated unnecessarily.

Please note that it is CRUCIAL to thoroughly check each part in this kit and ensure that all flash, resin residues and sprues are carefully removed before assembly. White Metal parts can be fragile, avoid excessive bending as parts will break. Test fit all parts prior to glueing, in particular resin components as once glued the joint will be stronger than the parts themselves and repositioning will be impossible. TAKE YOUR TIME as care taken during in preparation will pay dividends during assembly.

The 1950's ended for me on a high note - the sound of the Type 4 engine. It is not surprising that they were known as 'Whistlers' Every Saturday you would find me somewhere on the West Coast as the loco's became a regular feature when they took over from steam with the second batch coming to the London Midland Region. I well remember the first arriving at the shed in Rugby for the drivers to look at. A new shed had been built for the diesels but next to the 40's it looked out of scale and we should have guessed then that the Rugby shed was not long for this world! The Class 40's are big locomotives in every way and even if not a fan of all diesels this type must turn your head. Once named they took on major status with nameplates that were in a class of their own and the Waterman Railway Heritage Trust has a good selection. This is one of the few loco's that we did not add to the collection as there were several preserved already, looked after with the love they deserve. The Class 40's can be regarded as the real tool of the modern railway as it set the pace for all others to follow. The drivers loved them, they could be a bit draughty and of course had the same old problems as with all the first new types, the boilers and the Second Man. The kit is designed to Cover all variations of the whole class so it is vital that you source a photograph of your chosen locomotive. Remember, we are here to help you and want to do as much as possible to make it easy for you. If there are things you know about the class that we don't please let us know. Our web site has a detailed log of details to look for thanks to Brian Daniels and there are several other. Good web sites, also worth looking for is the Rail Express article on the 40's by Philip Sutton, a self confessed Class 40 Nutter!

Happy Modelling! **Pete Waterman**

**WASH ALL RESIN PARTS IN SOAPY WATER
PRIOR TO ASSEMBLY AND PAINTING !**

Type 4 D200 - D 399. Class 40 40001 - 40199 Introduced 1958:
Boiler (Roof Vent Rectangular) Stone Vapour type. D200-259 (40001-40059) D267-286 (40067-86) D305-324 (40105-40124)
Boiler (Roof Vent Circular) Clayton Type. D260-266 (40060-40066) D287-304 (40087-40104) D325-399 (40125-40199)

Please note due to the properties of the Polyurethane resins used in this kit small bubbles may be found in certain components. Such areas can be easily filled and rendered invisible by the use of any polyester-based automotive filler.

Names and Numbers of the loco's and the dates they were named.

**All the Paints and Adhesives required to complete this kit
are available from us direct at:**

D210 Empress of Britain	May 1960	D223 Lancastria	May 1961	D235 Apapa	May 1962
D211 Mauretania	September 1960	D224 Lucania	August 1962		
D212 Aureol	September 1960	D225 Lusitania	March 1962	Painted Names in the 1970's	
D213 Andania	June 1962	D226 Media (This was never carried as ship		40104 Warrior	
D214 Antonia	May 1961	had been sunk in the war)		40129 Dracula	
D215 Aquitania	May 1962	D227 Parthia	June 1962	40131 Spartan	
D216 Campania	May 1962	D228 Samaria	September 1962	40132 Hurricane	
D217 Carinthia	May 1962	D229 Saxonia	March 1963	40134 Andromeda	
D218 Carmania	July 1961	D230 Scythia	April 1961	40137 Trojan	
D219 Caronia	June 1962	D231 Sylvania	May 1962	40145 Panther	
D220 Franconia	February 1963	D232 Empress of Canada	March 1961	40164 Lismore	
D221 Ivernia	March 1961	D234 Empress of England	September 1961		
D222 Lacnia	October 1962	D234 Accra	May 1962		

D200 became 40122 on TOPS



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