

PAYMENTS & DELIVERY

Production of the kit starts with the tenders and associated components. Progressing through the loco frames and body etchings, wheels and suspension, motion, boiler and controls. We are offering the following delivery methods and respective costs. We normally ask for you to set up standing orders through your bank (forms will be provided) to pay the instalments but other payment methods can be arranged. Please ask for more information.

COLLECT

Ex- works. No postage. Pay a deposit and 12 instalments, then collect the kit by arrangement or as one box at the end of the twelve months.

Spirit	Deposit £205	Instalments 12 x £195	Total £2,545
Coal	Deposit £213	instalments 12 x £211	Total £2,745
Static	Deposit £123	Instalments 12 x £117	Total £1,527

POSTED

All kits are delivered by special delivery in 4-5 packs at 3 monthly intervals, total cost £120. This works out at an additional cost of £10 per month

For overseas customers, the total cost would include the price of the complete kit plus the cost of delivery to your country per instalment. Please enquire for more details.



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MODEL MAKERS KIT

DUAL FUEL MODEL



Photo. The production prototype

MIDLAND / L.M.S COMPOUND

The first five 'Compounds' were designed by Johnson and built during 1902/3. Deeley succeeded Johnson and having made some modifications produced a further 40 during the four years between 1905/9. All the compounds up to this date had 7' drivers. No further Compounds were built until Fowler, after reducing the driving wheels to 6'9" diameter, produced a further 150. Their handsome line, particularly in the red livery, has always endeared them to modellers.

THE MODEL

This model was originally conceived as a spirit fired loco but several requests for another coal fired kit have encouraged us to think again. The result is the Dual Fuel option. The design has been modified to allow it to operate as a spirit or coal fired model. The change over between the two fuels taking about ten minutes. If you want a nice relaxed run then set up the spirit burner. If you fancy the aroma of a coal fired loco and the challenge of firing a narrow box, then remove the burner and fit the grate and ash pan.

Our model represents the Deeley version. To ensure that the sprung suspension can work effectively, the wheels are turned to 6'9" thereby allowing vertical clearance between the flanges and the boiler. For those of you modeling the LMS version they are spot on. If you are modeling the Midland version, then it represents a set of wheels that have been well used and re-profiled to the minimum diameter allowed before new tyres were shrunk on. The frames are laser cut steel, as are the coupling and the connecting rods. The sheet metalwork is etched from brass with all components ready profiled with self jiggling assembly tabs where possible and holes piloted.

The loco has hand and axle driven pumps allowing extended running times. The lubricator will need refilling after about 30-40 minutes. The meths capacity should give well over 30 minutes use, depending on speed and load. The coal fired option will run for as long as you can keep shoveling.

The MODEL MAKERS KITS

These are designed and produced for those whose machining facilities or skills are limited or whose modelling time is at a premium.

The boiler is built, tested and certified. The Steam Chest units come as a 'loose assembly' with valves in place ready for you carry out the final clean and assembly. Items such as hand and axlepump bodies are pre assembled. The kit includes laser cut steel items, etched brass components, Lost wax brass and whitemetal castings.

All machining is done. Pressure gauge, screws, nuts, rivets, 'O' ring seals, springs etc. are supplied to complete the assembly. We do not supply paint, transfers, solders, time or patience.

You will require a bench and vice, some hand tools, a drilling facility (which could be an electric drill on a stand) and a small gas torch for soldering. The work includes bending sheet metal, drilling piloted holes out to size, tapping threads in holes (in many cases nuts could be used instead), soft and hard (silver) soldering of small items.

Support for the model maker.

The model making hobby is littered with part built projects which have been abandoned because the modeller has hit a problem. Included in the price are two hours of our time, a 'get out of trouble' service. It could be advice on the phone, a practical soldering training session in our works, correcting a mishap or setting valve timing. Apart from phone calls, a modest charge will be made for time spent over your two hours.

When we are halfway through the final cut of a cylinder bore or a long soldering job and someone phones with a question that could have been answered by reading the manual we do sometimes get a little annoyed. Having said that we also accept that sometimes a paragraph may not answer your question, in which case a phone call is quite acceptable as we can then edit the text for future editions.

We can also supply replacements for individual components providing they are returned for us to identify. For etched items there will be charge depending on the size. Whitemetal castings returned with stamped addressed packing are free. Laser cut steel may be a problem as there are minimum order quantities involved and we shall only order a limited number of spares.

The Construction Guide comprises over 30 pages of photographs, exploded diagrams produced on 3D CAD, photographs and text, together with identification diagrams and drawings. It takes you through each stage, including jigs and methods, settings and adjustments, finishing with operation and use.

LOCO SPECIFICATIONS

Scale	10mm : 1ft
Length	22 3/4" (580mm)
Fuel	Alcohol (Methylated spirit) supplied by constant Level feed system or for the Dual Fuel option, coal.
Cylinders	Two, 1/2" bore x 7/8" stroke (12.6 mm x 22 mm)
Boilers	Internally fired, multi flue, superheated, with safety valve. Built from copper and bronze, silver soldered throughout. Tested to 200psi (13 bar) Max. allowable pressure 100psi (6.5 bar)
Controls	Regulator, blower, pressure gauge, spirit valve and water level test cock On Dual Fuel version the water level test cock is replaced by a sight glass water gauge.
Valve gear	Slip eccentric
Lubrication	Displacement (Rosco) type.
Water feeds	Water carried in the tender which contains hand pump, and axle driven pump with its pipework and bypass control valve.
General	Loco suspension, buffers and coupling hooks sprung. Wheels and axles are to Gauge One 'standard' dimensions.

