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CONNOISSEUR MODELS 0 GAUGE LNER Class J15 0-6-0 Tender Engine



Parts Required To Complete

3 Sets 4' 10", 15 Spoke Driving Wheel (Slater's No 7858E) 3 Sets 4', 10 Spoke Tender Wheels (Slater's No 7848GE) Plunger Pickups if desired (Slater's No 7157)

Available From Slater's, Temple Road, Matlock Bath, Matlock, Derbyshire, DE4 3PG, Tel 01629 583993. Mashima 1833 Motor and 40/1 Gear Set (Connoisseur)

Connoisseur Models, 33 Grampian Rd, Penfields, Stourbridge, DY8 4UE, Tel 01384 371418

I have provided some additional parts and alternatives to give those who wish to make modifications to model a different loco or period a head start but I have assumed that they will have the knowledge to recognise the alternatives and know what to do with them.

For the modeller who just enjoys building a kit for the pleasure of a finished model and who does not wish to undertake extensive research as part of the project. I would recommend building the model to match the photographs of the real loco running on the Mid Suffolk photographs of the real loco running on the Mid Suffolk Light Railway. BR No 65472 was numbered 7544 by the Light Railway. BR No 65472 was numbered 7544 by the LUER and renumbered 5472 in 1946. Livery was plain black and I would recommend HMRS Transfers, Sheet 4a, LNER and I would recommend HMRS Transfers, Sheet 4a, LNER yellow locomotive insignia or sheet 14, BR steam era loco &

Historical Model Railway Society transfers sales officer, 8

coach insignia. For details & order form send SAE to

Gilpin Green, Harpenden, Herts, AL5 5NR.

For continuity the instructions detail assembly of the chassis followed by the body and then fitting of the castings. In practice I would recommend constructing the basic chassis to the point that wheels are temporarily fitted but bearings are not yet soldered solid. Then constructing the body to the point that the boiler is made up but not yet fitted. In this way the basic chassis can be used to check line the body is constructed. Then the body can be used to check the correct position and angle when installing the motor and its mounting plate. Clearances for the motor in the firebox are tight so it is important that it is positioned correctly. Once this is achieved body and chassis construction can proceed alongside each other as you wish.

LNER Class 115

The Great Eastern Railway between 1883 and 1913 built this class of 272 locomotives. They were the classic maids of all work, as much at home on the country branch passenger train as they were on a main line goods or parcels train. Members of the class lasted until 1962.

As would be expected from a large and long lived class of locomotives built over such a long period of time there was many detail differences between individual members. Modellers wishing to represent a particular locomotive at a specific time are going to have to do some prototype research to provide photos of their chosen loco and work from these for detail, livery, etc.

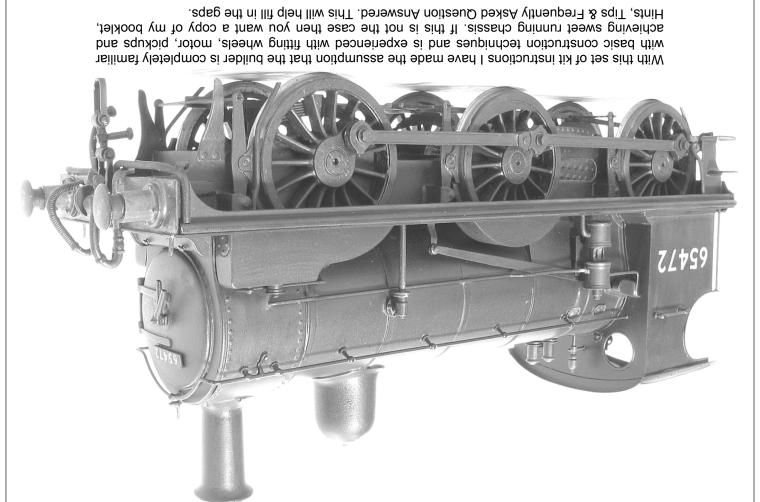
As a starting point try to get Locos of the LNER Part 5, The Railway Correspondence and Travel Society.

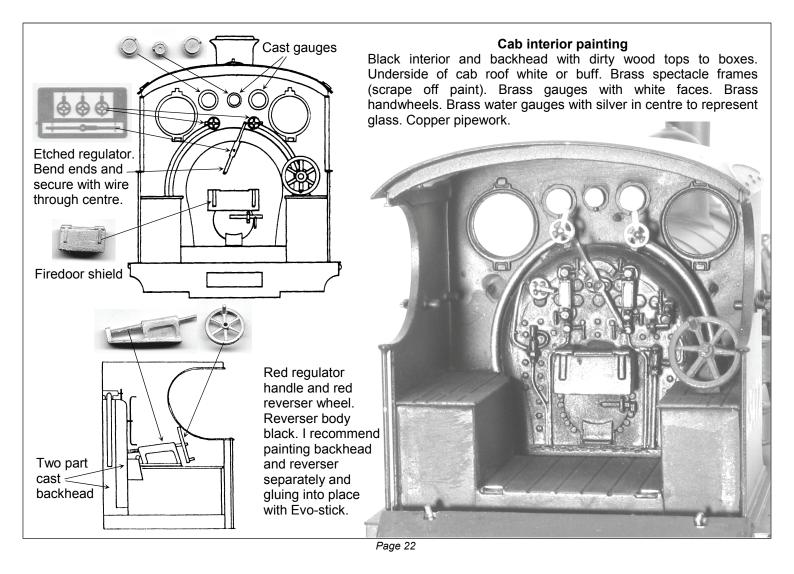
Just about any book on East Anglian Steam will have lots of J15 photos in it, But The Mid Suffolk Light Railway, Peter Paye, Wild Swan Publications Ltd, ISBN 0 906867 41 X. Is a very good book for lots of J15 photos. Get these two books from your local library through their inter library loan book order system.

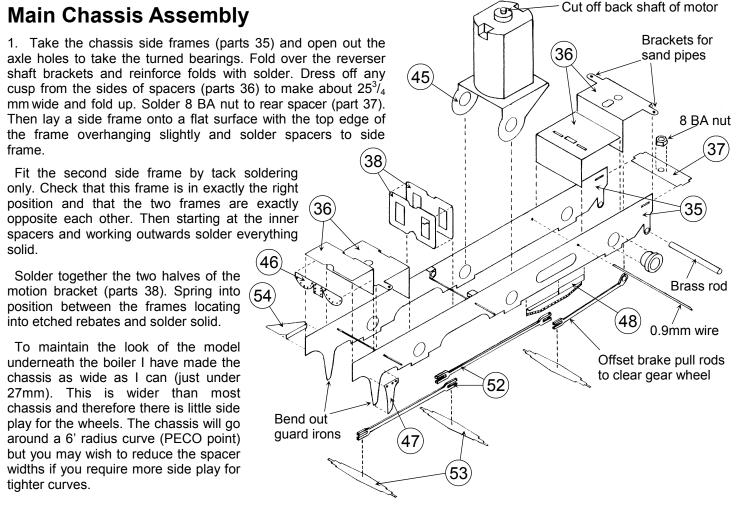
Also if you want to model East Anglian locos at a given period you should be a member of the Great Eastern Railway Society. Membership secretary, Jim Tant, 9 Clare Road, Leytonstone, London, E11 1JU.

I have designed the kit to represent one of the later batch of locomotives built with vacuum and Westinghouse air brakes in LNER and BR condition as this is the chosen modelling period of most of my customers.

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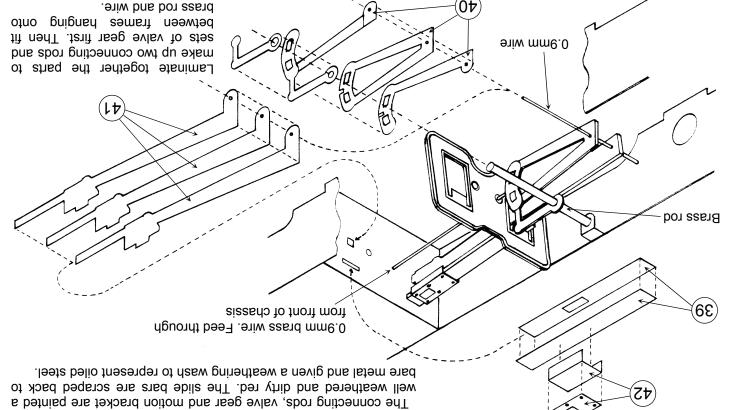


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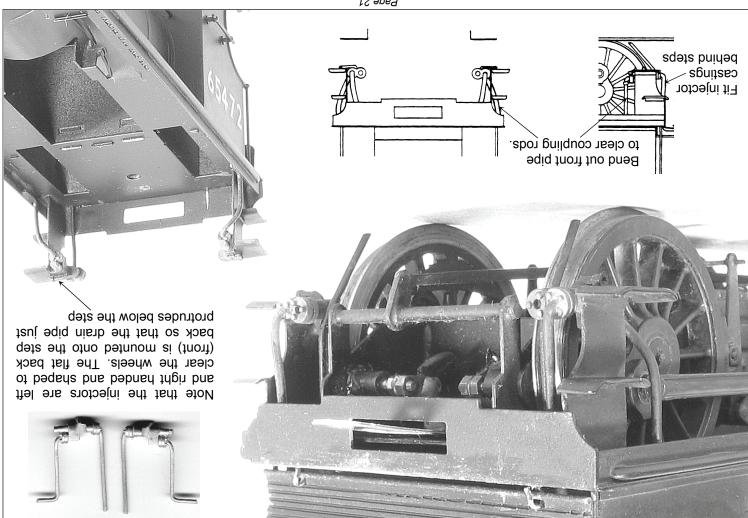
& 41 to rod or wire until you are happy with their position. explain what is required better than words can. Don't solder parts 40 components 39 through 42. I think that the drawings and illustrations 2. Assemble inside slide bars, connecting rods and valve gear from

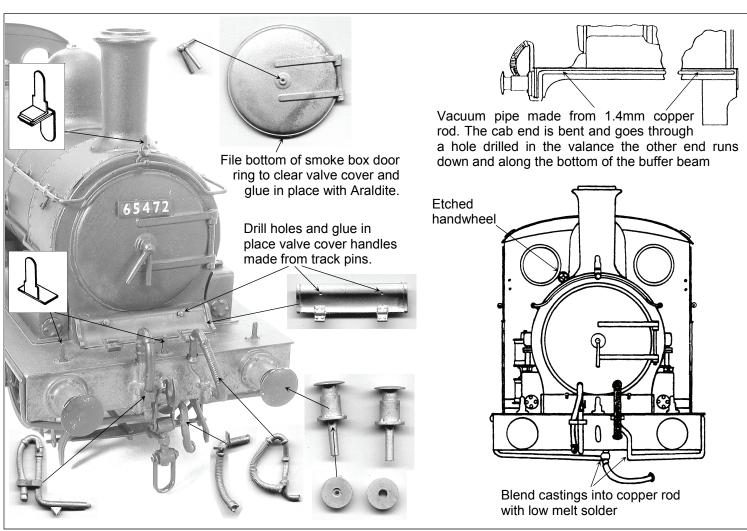
Inside Valve Gear Assembly

bare metal and given a weathering wash to represent oiled steel. well weathered and dirty red. The slide bars are scraped back to The connecting rods, valve gear and motion bracket are painted a

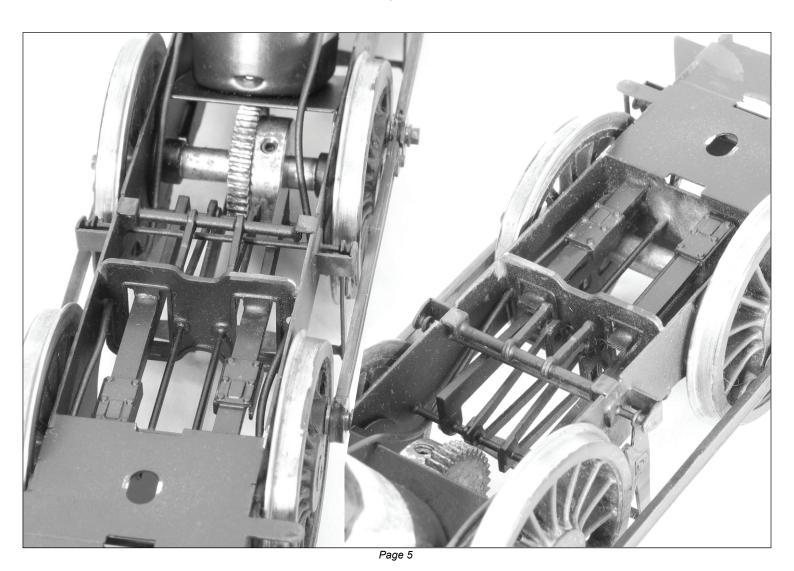


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and locate with two bearings and an oiled axle. motor to mounting plate then slip down between frames bearings and then fold down the wings. Temporarily fit the holes in the wings to be a clearance for the turned motor mounting plate (part 45) can be fitted. Open out 4. Once the body is constructed as far as the boiler the

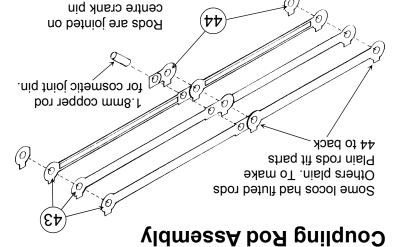
at all joints and folds. twisting or flexing at this most important point. So solder solid between the frames as possible to prevent any mesh. It is important that the motor mounting plate is as minimum side play so that the gears will not move out of moving slightly away from the sideframes to ensure alignment. The bearings on the centre axle may need frames using a oiled axle passed through them to ensure each side frame and the bearings soldered into the motor. The mounting plate can then be soldered solid to found. Tack solder mount into position and then remove motor and mount rotated until the correct position is The chassis can then be offered to the body and the

joints. Remove rods and complete chassis. slightly to prevent the chassis rocking on humps and rail chassis will run freely. Note that the centre axle is raised Fit Wheel sets and coupling rods and check that the

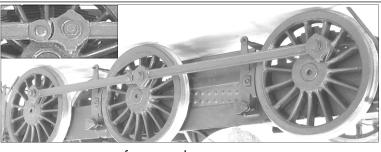
be the locomotive construction completed and ready for the paint

coupling with reference to the following illustrations. That should then

Fit the remaining castings, pipework and detail including the front



is free of excess solder and will pivot freely. the rods with a file to blend in and ensure that the overlap joint Tin the copper rod to represent oiled steel. Dress all edges of fit a length of copper rod to cosmetically represent the joint pin. section (parts 43). Then fit the rod end bosses (parts 44) and 3. Laminate together the three parts of each coupling rod



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shop along with the tender.

Ramsbottom safety valve positioned on the The whistle is then mounted on the base of the and etched levers to be fitted into the slotted top. I have provided an alternative Ramsbottom valve Fit cast ross pop safety valves or for early locos

the riveted oval. centre line just to the right of



separate clack valve tops to be used with short the underside. I have also provided alternative a hole in the footplate and is 70° soldered from mounts into the boiler and the pipe goes through Fit cast clack valves and pipes. The valve top

sandboxes. Then fit the cast dome and chimney. holes on the top of the Fit the sandbox filler lids into the lengths of 1.2mm dia copper rod.



LNER Standard

stovepipe

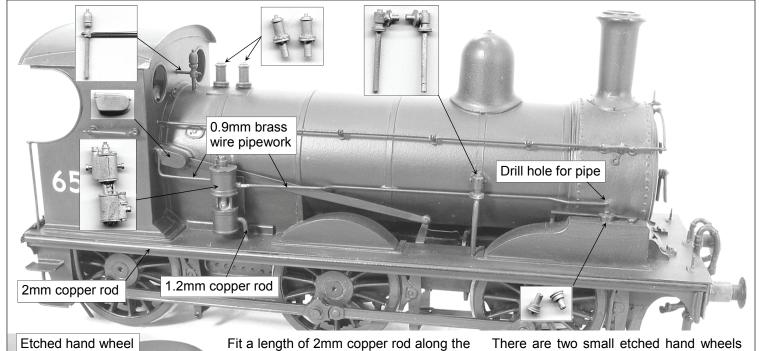
Early

LNER short (F5 tank)

reduce loading gauge fitted to some locos to

valance and along the underside of the buffer beam.

Note how pipework made from 1.4mm copper rod runs down the

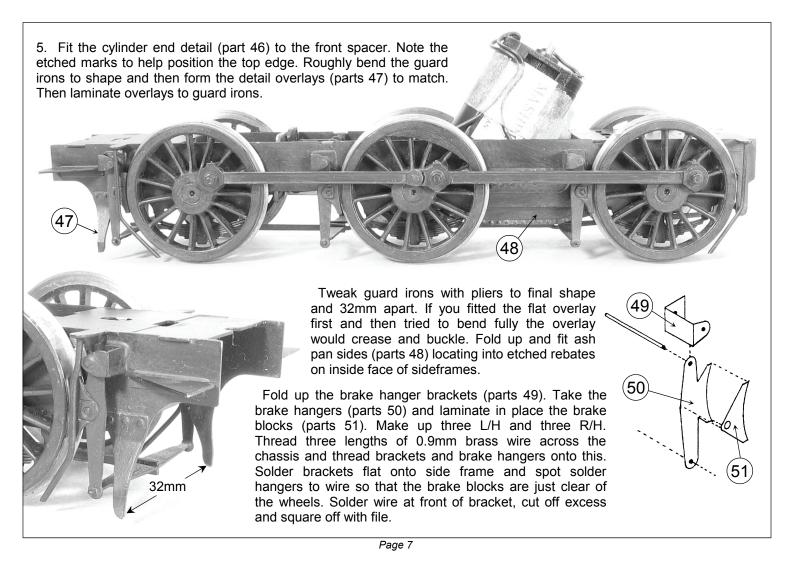


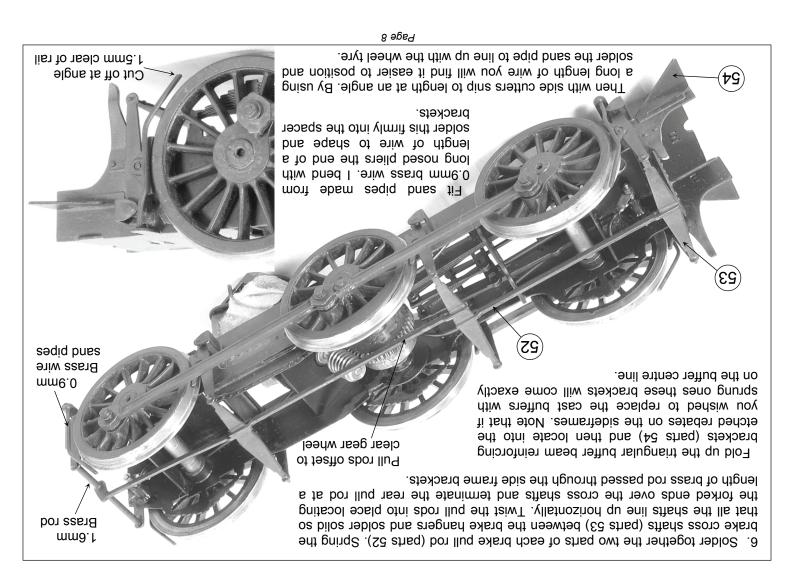
Etched hand wheel

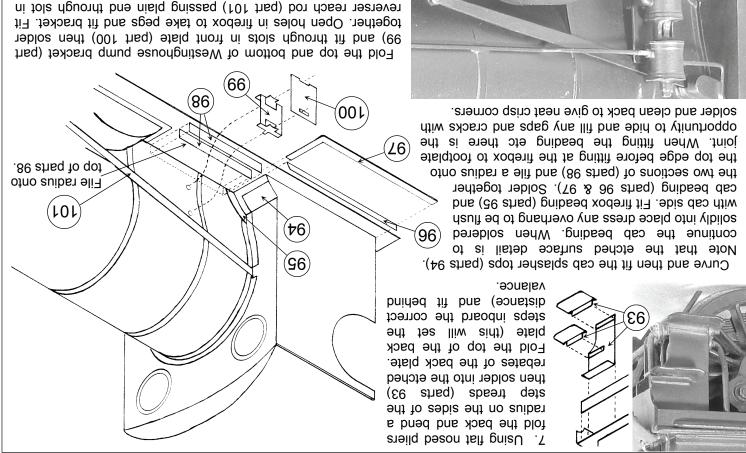
Fit a length of 2mm copper rod along the valance just below the footplate to represent the lagged steam heat pipe. Fit cast reverser gear shield then fit cast Westinghouse pump with pipework being made from brass and copper wire. You may wish to use the cast unions on the pump or file them off and drill holes into the pump body for a firmer fixing of the wire pipework. Terminate the smokebox end of the wire pipe into a drilled hole.

There are two small etched hand wheels on the fret. Solder a length of 0.7mm brass wire into the centre of one and remove from fret. Pass wire through small hole in cab front, quickly spot solder on inside and cut off excess wire. Fit whistle by passing brass wire through hole in cab front and quickly solder into place on the inside, then low melt solder stem into boiler. It is important to get a good joint on the brass wire to give the whistle maximum strength.

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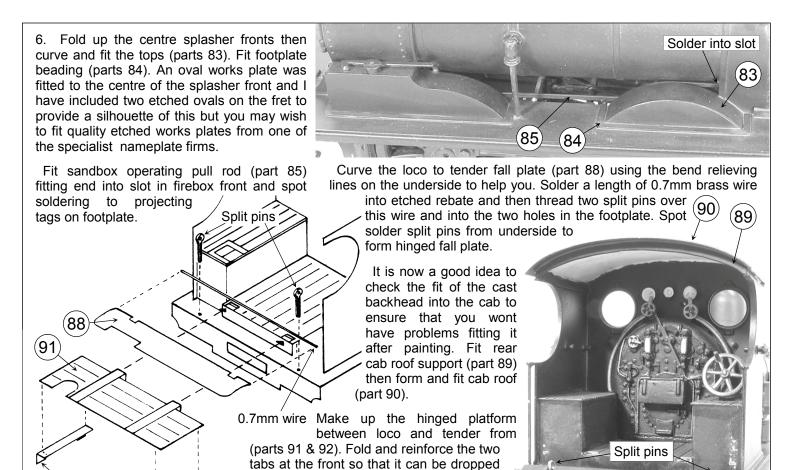






handrails and then we are down to castings and detail.

cab front and securing the other end over the previously fitted peg in part 77. trim excess from peg and square off. Fit the cab



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into slots in the cab floor and remain

removable. You may wish to mount the

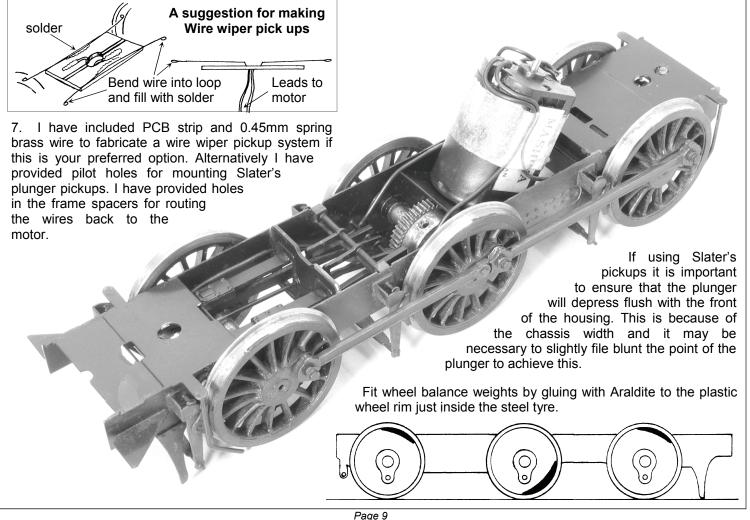
fireman onto this platform to provide a

handle for lifting in and out.

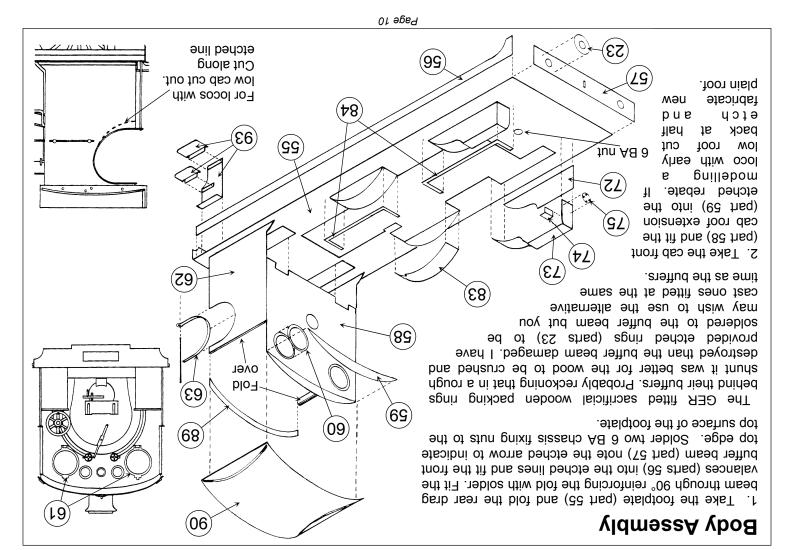
For close coupling

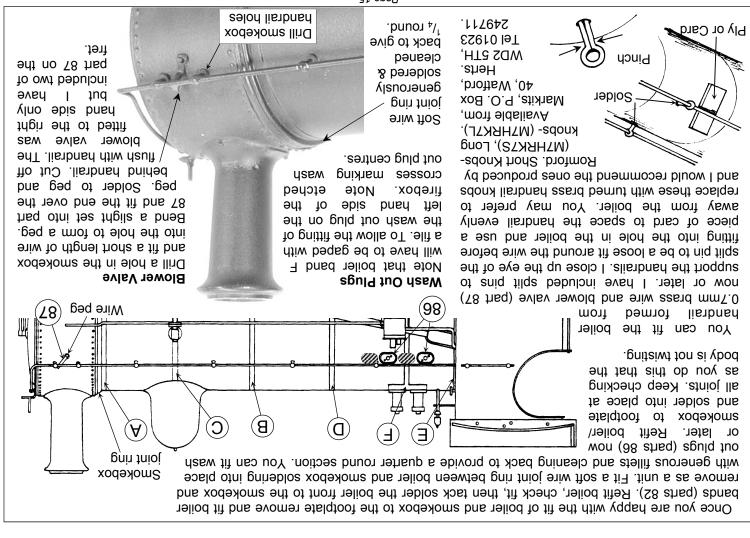
of loco & tender

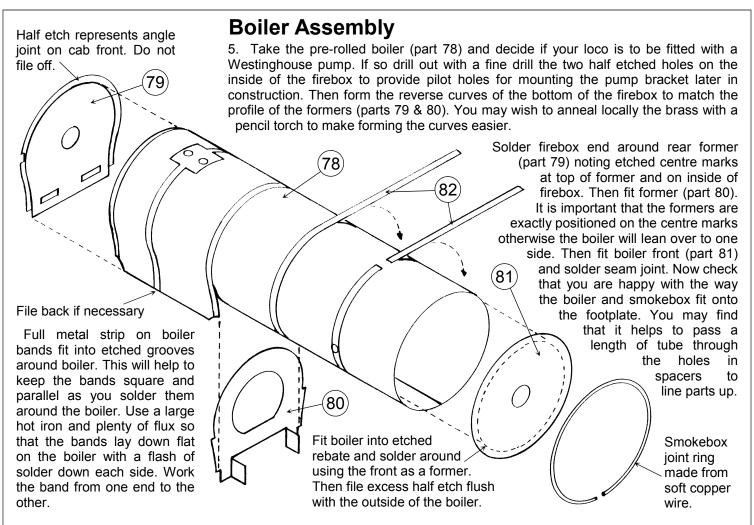
cut off 2mm -



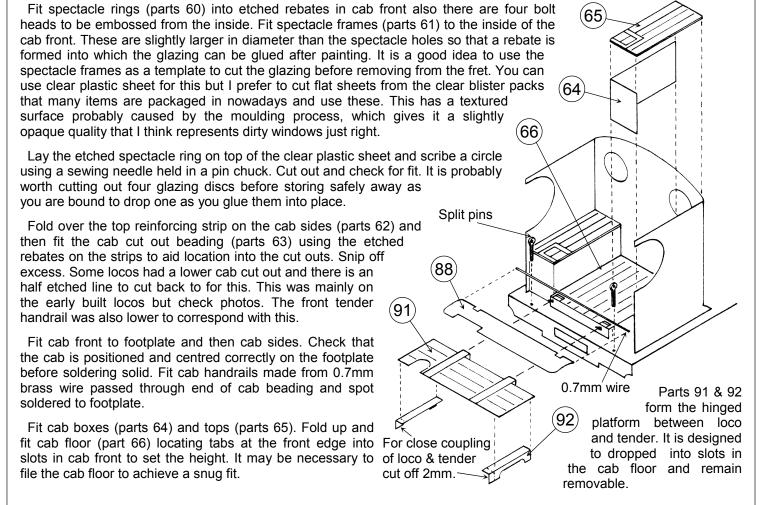
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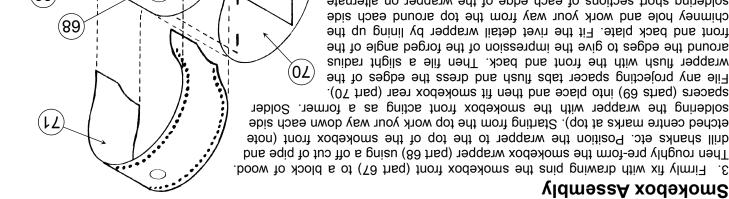




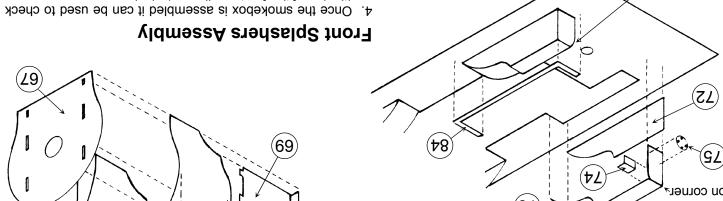


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ou corner (27 File Radius clearance of front driving wheels. sides. Check the assembled smokebox for fit onto footplate and (69)soldering short sections of each edge of the wrapper on alternate



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positioning of the front sandboxes/splashers.

place but try to get it to be a push fit between footplate. Do not solder the smokebox into and then fit assembled splashers onto circular access plates (parts 75) a radius on the outside edge. Fit (parts 74) into corners and then file Again the front acts as a former. Fit pins and solder front/top into place. front to block of wood with drawing 73) to match its profile. Firmly fix 72) and form up the front/top (parts Take the splasher fronts (parts

Solder 0.7mm brass wire into splashers to form pegs the sandboxes. Copper rod in firebox This end fits into slot (28 97iw mm7.0 Fit part 85 after fitting boiler Peg from smokebox radius Sand Box Linkage (94) File to match

beading (parts 84) around the front splashers. excess length of the peg trimmed off. Fit the footplate reach rod will be soldered to this later and the peg into place with 60/40 solder as the reverser 1.4mm copper rod. It is a good idea to solder the underside of footplate. Fit a peg made from reverser linkage (part 77) and locate into rebate on Spot solder linkage at peg and splasher. Form up and then fold up and fit sandbox linkage (parts 76).

> smokebox radius File to match