LEGACY KITS & COMPONENTS

- 0 Gauge -

LNER Class J69/1 "Buckjumper" Legacy Kit Body Assembly Instructions



This kit was first produced in 1991. It was an honest, best effort at the time and much appreciated by many satisfied modellers, many were newcomers to 0 Gauge..

Time passed and modellers expectations became more sophisticated along with the range of kits available. This legacy kit was retired from production for many years.

But now its back with a level of extra casting detail that modellers now expect for locos on their layouts. Instructions detail how legacy issues can be addressed with simple hand tools to get the best from the etched components.

We Are Confident Modellers Will Be Delighted With The Results

Parts Required To Complete

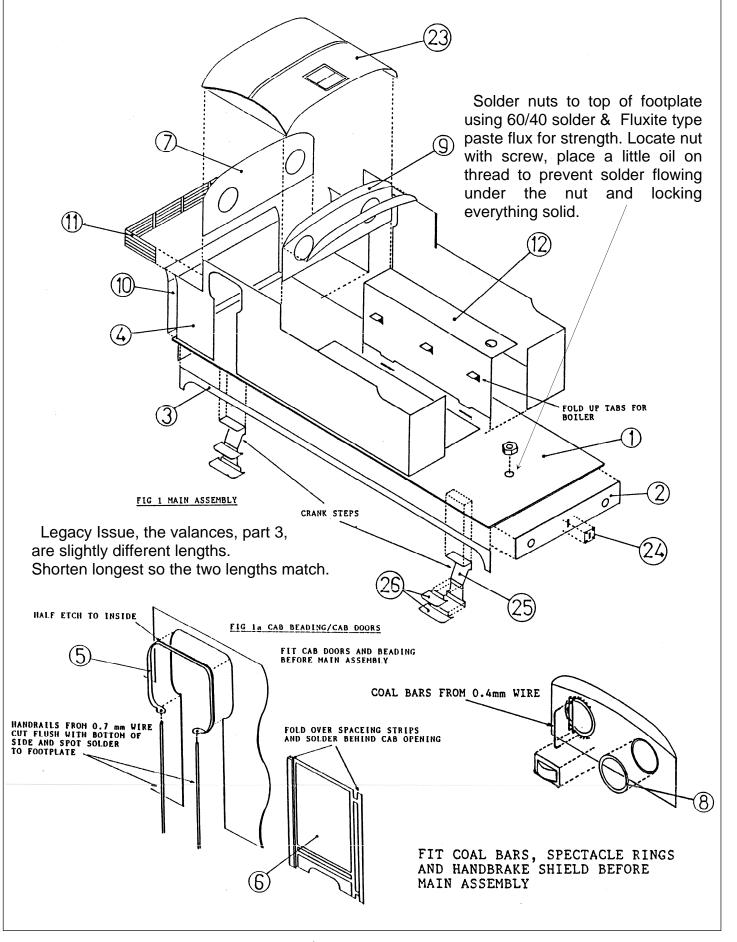
3 Sets 4', 10 Spoke Driving Wheels (Slater's Catalogue Numbers 7848NE) Plunger Pickups if desired (Slater's Catalogue Number 7157) Available From Slater's Plastikard, Old Road, Darley Dale, Matlock Derbyshire, DE4 2ER, Telephone 01629 734053.

1833 Motor and 40/1 Gear set, available from Connoisseur Models.

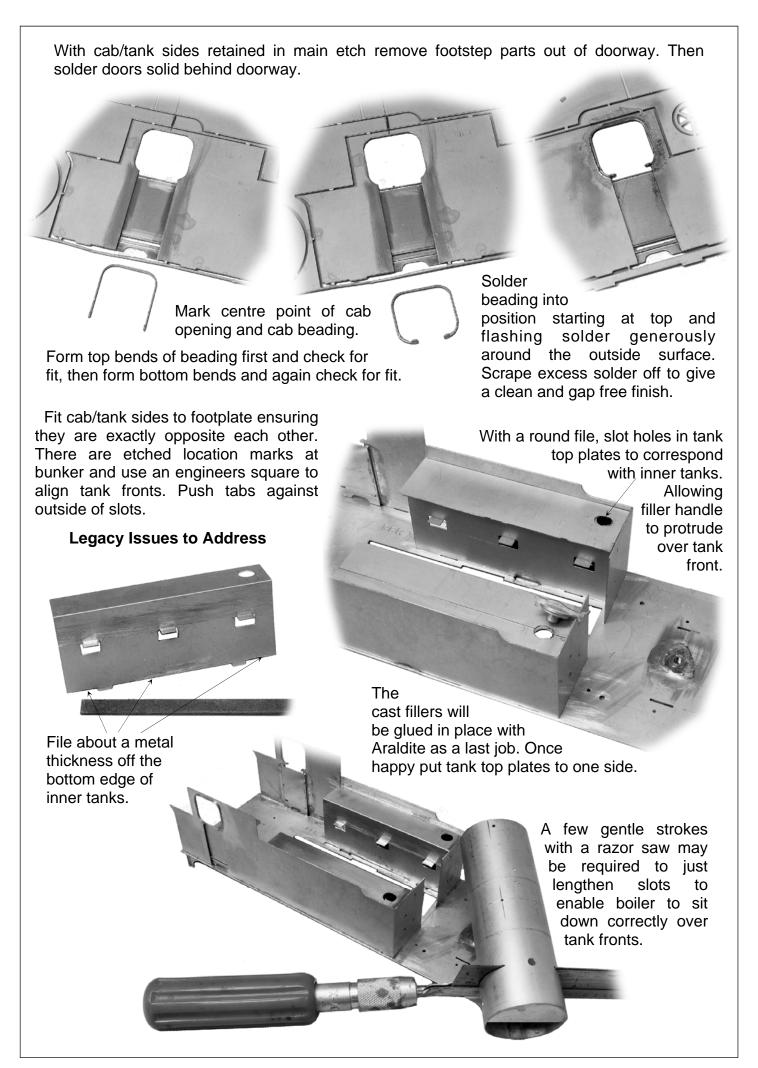
Produced by Family McGeown, 1 Newton Cottages, Nr Weobley, Herefordshire, HR4 8QX, Telephone 01544 318263

Points to Note

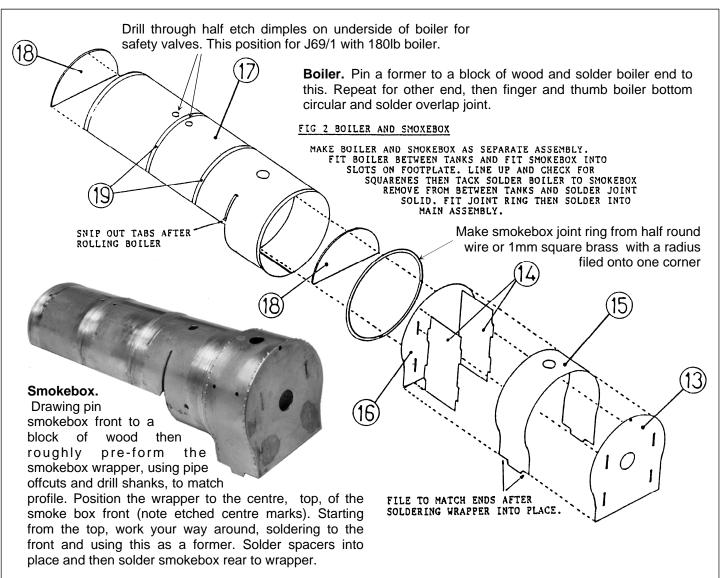
Parts are numbered in a logical assembly order. Tack solder a part in place, then adjust the next part to match. Some parts are designed oversize to be trimmed to size. Solder parts solid only when happy with positioning.



Page 2, LNER J69/1 instructions, created May 2025



Page 3, LNER J69/1 instructions, created May 2025

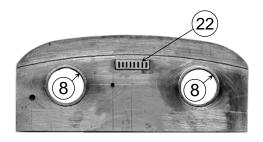


Legacy Issue

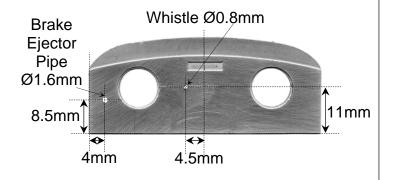
On prototype J69/1 locos a ejector pipe and whistle rod passed through the cab front. It may be easier to drill holes with the cab front flat or you may wish to not bother with holes and just terminate the wire and rod by spot soldering to the cab front after main assembly.



I would recommend drilling holes for brake ejector pipe and whistle now.



It may be a good idea to fit the rest of the cab front etched components and cast gauges before soldering solid between cab sides.





You can cut out this illustration (just check it has not distorted in size with photocopying) and use as a template.

Legacy Issue

When these components were originally produced the priority was attractive price and this was determined by the amount of etched material used. Everything had to fit onto a maximum $^{1}/_{2}$ sheet (12" x 18") brass and $^{1}/_{3}$ nickel silver. When this was used up something had to be omitted, small locos, 0-4-0 etc, had some cab interior detail larger ones like this got an empty cab.

Back then if a loco had brake blocks it was considered super detailed and cab interior was for showcase models. To address this I have produced cast components to provide a basic interior as would be expected for a layout loco today.

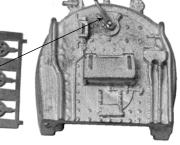
Now I am not a skilled pattern maker but I can fabricate and improvise. So I produced these cab components using etchings and castings from other kits in my range. These were joined and thickened up for reliable casting using Araldited PCB overlays and Milliput. This works fairly well but there is a degree of distortion and bubbling in the mould cavity under the heat and pressure of vulcanised mould making.

So first clean and square up components using a course file and 60 grit Carborundum paper. Then with everything accessible, trial fit and adjust for easy assembly.

Components can be fitted after fitting cab back or painted separately and glued into position as a final operation.

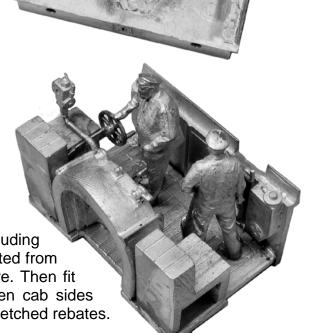
My preference is to low melt solder into place most components but to paint separately and glue into place, backhead, brake valve and crew.

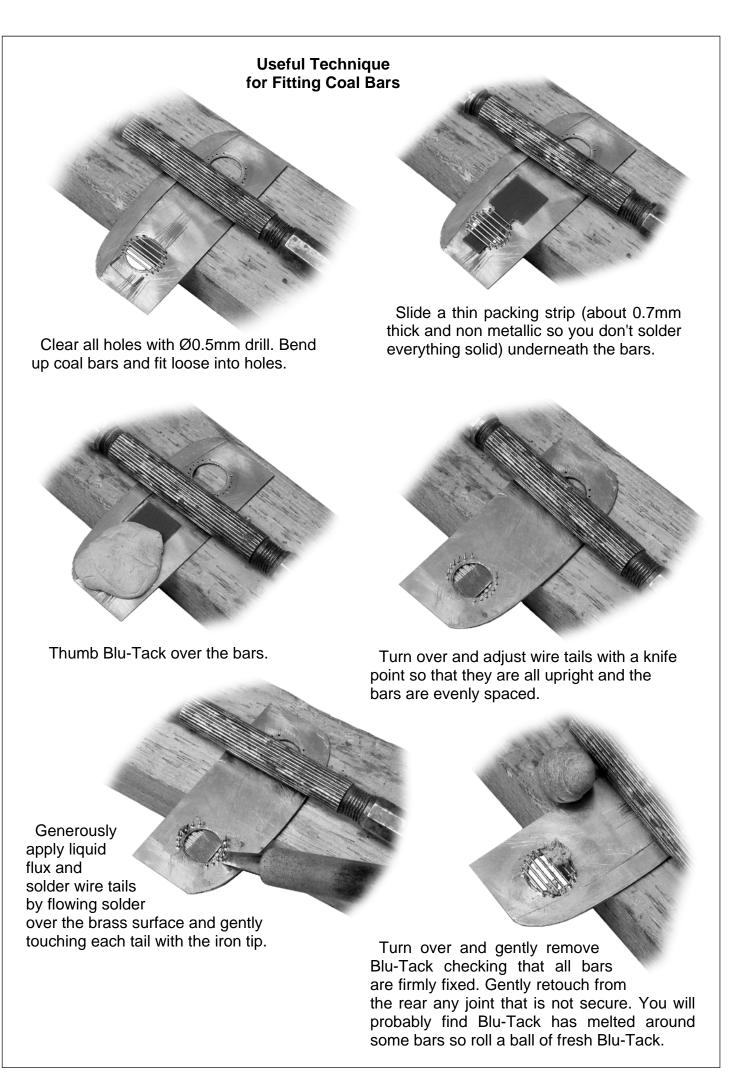
Solder 0.7mm wire peg then trim and form regulator.



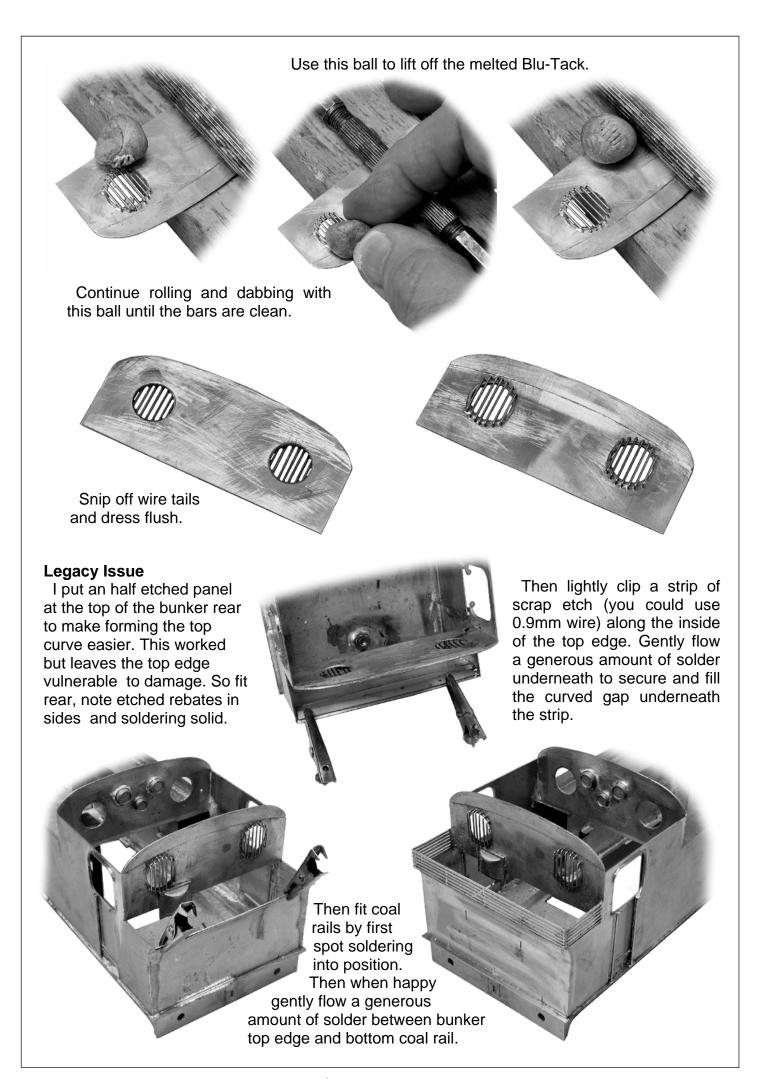


Fit cab back components including coal bars fabricated from 0.5mm brass wire. Then fit cab back between cab sides locating into half etched rebates.





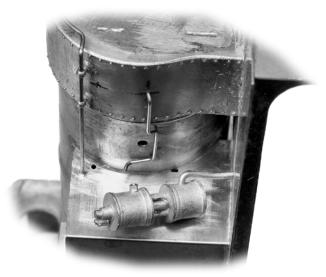
Page 6, LNER J69/1 instructions, created May 2025



Page 7, LNER J69/1 instructions, created May 2025

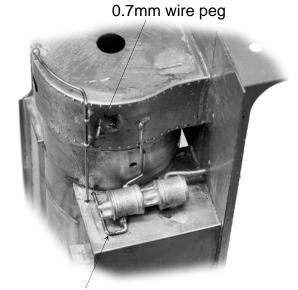
Leave about 2-3mm gap between ends of boiler bands and edge of boiler. The boiler should then slip snugly down between inner tanks. There are two etched guide lines to help position central boiler bands. fit bands on the cab side of these lines. Then solder smokebox and boiler together (see page X). Legacy Issue I did not make allowance for metal thickness on many of the parts. I produced them to the edge to edge overall dimension taken off the drawing rather than trying to calculate and subtract an allowance. In my inexperience I reckoned you could file a bit off but its not so easy to add a bit on. If you scribe a light guide line its fairly easy to clamp in vice jaws just above this line and file down. The vice jaws will help maintain a straight edge. Repeat if required until a snug fit is achieved. Remove Remove about about \downarrow Remove metal thickness \downarrow half half metal metal → thickness thickness Remove 1-2 metal thickness Now would be a good point to apply front end detail as this will require significant handling of the body, TRemove metal thickness best achieved before vunerable detail is applied but once applied the front end detail is fairly well protected.

Page 8, LNER J69/1 instructions, created May 2025



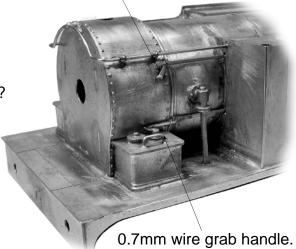
Drill 0.75mm pipe location holes in pump and smokebox. Form up pipe work from 22swg soft wire. Fit together and then solder pump to tank front.

Blower valve, fit short length of wire into hole in smokebox to form peg. Fit the end of part 28, with 1mm set bent in, over this. Solder to peg and behind handrail. Cut off square just above handrail.



Fit top feed pipe

Condensing gear operating rod, *(next to part 28)*, again fit over a wire peg and into slot in tank front.

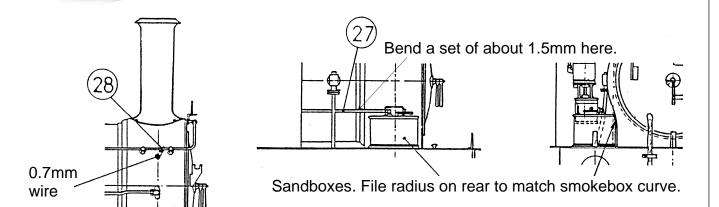


Why is part 28 so long?
To help handling.
Why holes in both
ends?
To give a second
chance.

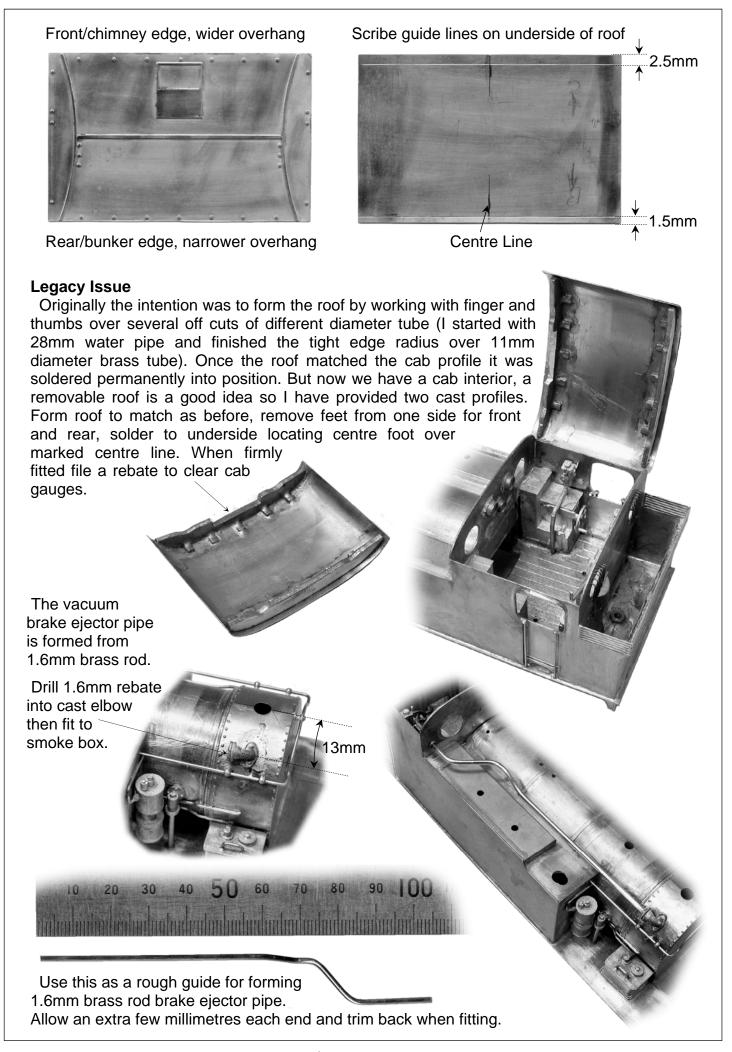
24mm

15_{mm}

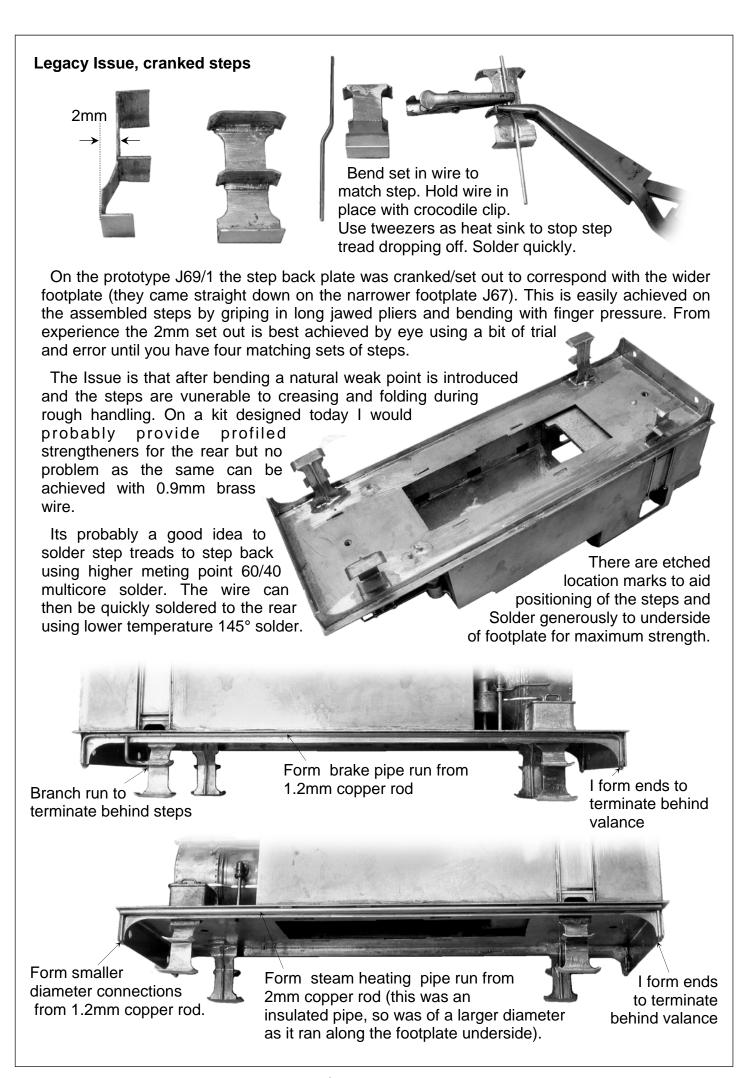
Sandbox Operating Rods. Twist 90° just behind crank, bend a set of about 1.5mm to match step in at smokebox- boiler joint, thread over cast peg on sandbox and spot solder into slot in tank front.



Page 9, LNER J69/1 instructions, created May 2025



Page 10, LNER J69/1 instructions, created May 2025



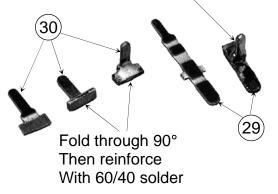
Page 11, LNER J69/1 instructions, created May 2025

Fit lamp irons, destination board brackets and remaining castings. I would recommend working out a sequence that will allow the fitting of the largest/most robust components first (boiler fitting castings etc) and then working through to the more delicate components (lamp irons etc) as the amount of handling of the body assembly is reduced. The following assembly details are not shown in any recommended sequence. I glue the tank fillers into place last using Araldite.

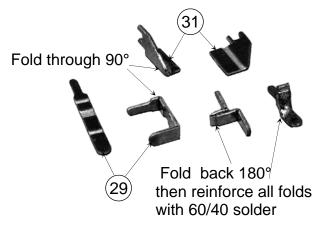


Front lamp irons

Fold through 90° then fold back through 180° to leave a flat base

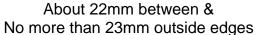


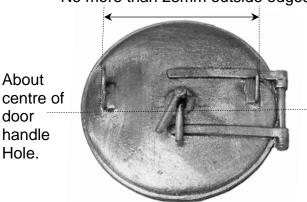
Rear lamp irons & destination board brackets





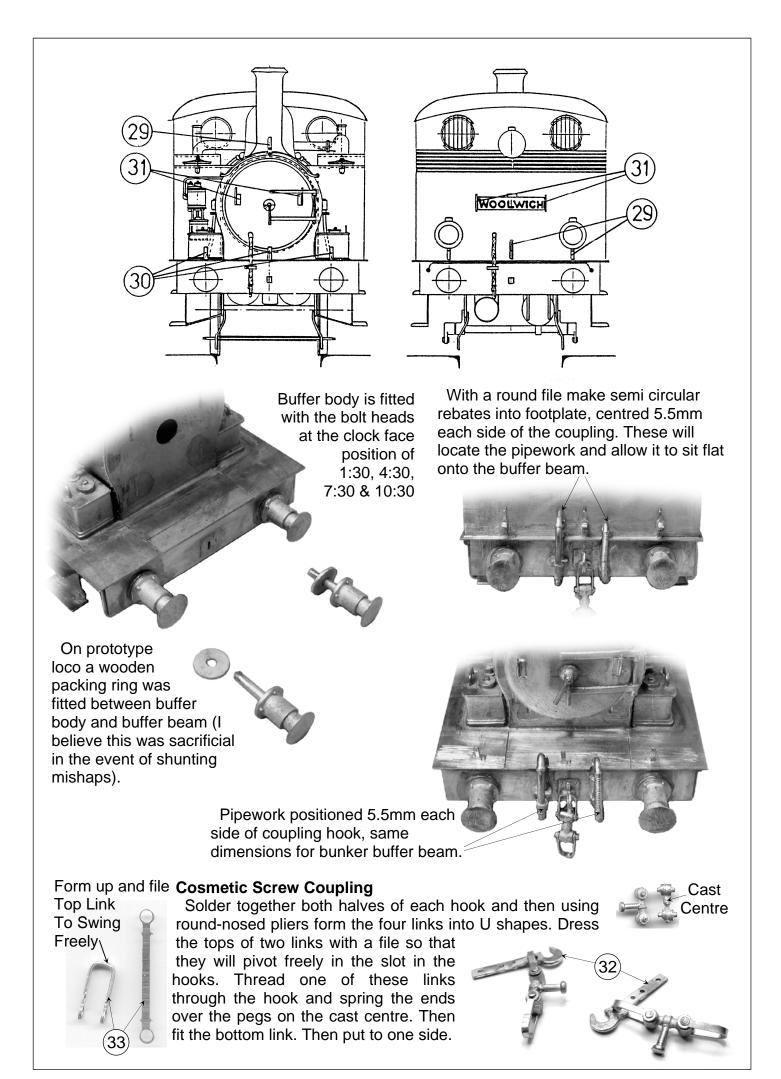
Position top lamp iron first and solder generously. A notch can then be cut/scraped with a sharp scalpel blade into the underside of the chimney base so that the chimney will sit down level onto curved smokebox wrapper.



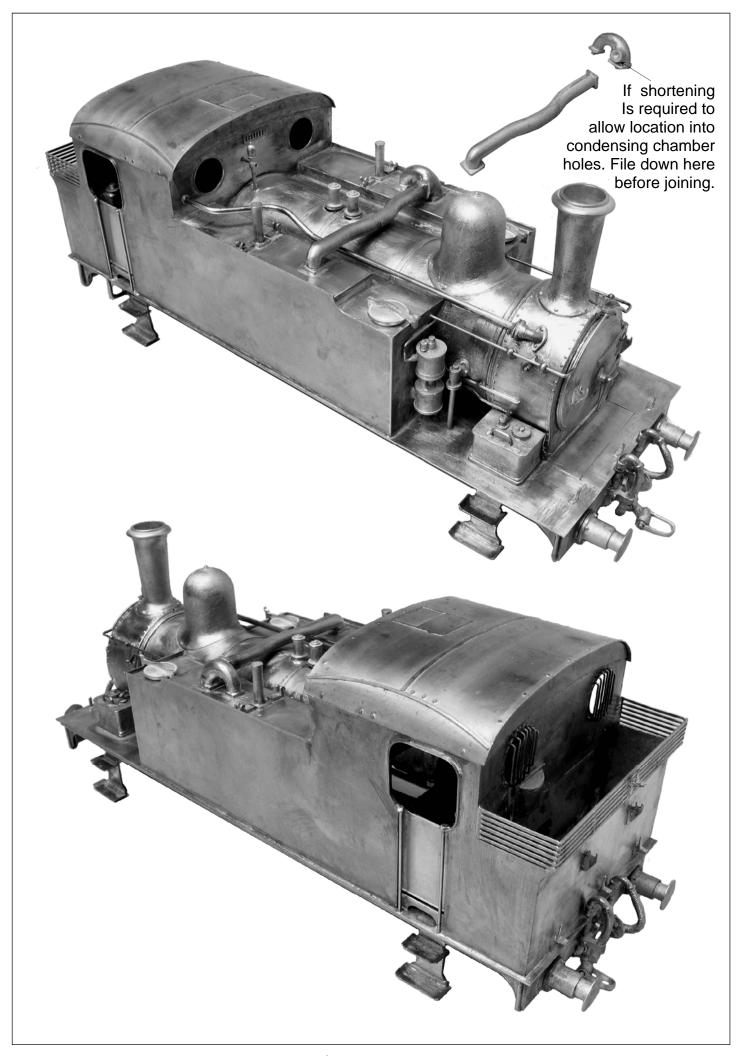


After fitting destination board brackets & locking handle I glue the door into place using Araldite.

Page 12, LNER J69/1 instructions, created May 2025



Page 13, LNER J69/1 instructions, created May 2025



Page 14, LNER J69/1 instructions, created May 2025