



RT Models

4mm scale, 00/EM/P4

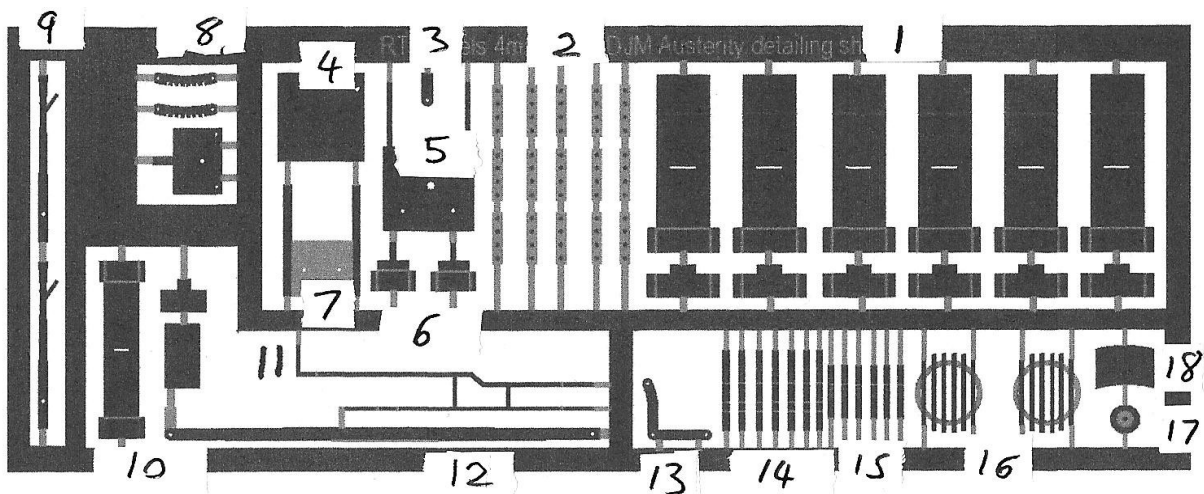
DJ Models Austerity/J94 0-6-0ST loco body detailing sheet



This loco body detailing etched sheet is designed to enhance the latest DJ Models ready to run rtr model.
This detailing sheet can be used on other makes of model.

Always follow photos of your chosen prototype and also as close to the date that you wish to modify and detail it as locos can end up with different modifications during their career.

This will not be a detailed set of instructions due to the amount of variations and combinations that these locos carried but will have a series of photos and captions talking about each part or series of parts and what they are appropriate for.



Parts list

1. Footplate steps
2. Bracket strips for footplate steps
3. Reverser rod
4. Cab roof lower
5. Cab roof upper
6. Saddle tank steps
7. Interior coal bunker hatch
8. Reverser lever bracket and ratchets
9. Reverser lever
10. LNER/BR rear coal bunker step
11. LNER/BR rear coal bunker ladder
12. Reversing rod
13. Back head regulator
14. Upright lamp irons
15. Footplate lamp irons
16. Rear cab spectacles and bars
17. Smoke box door vacuum relief valve
18. Giesl ejector chimney saddle tank blanking plate

This detailing sheet is a good introduction into customising or improving your models as well as creating something unique.

We all have to start somewhere and you don't have to modify all your loco at once, this can be done to how you want or when you gain new skills.

The only tools required is a scalpel, pair of pliers, superglue, Humbrol clear and highly recommended for the footplate steps is to solder them for strength.



A view of what detailing can be done on the Austerity / J94 0-6-0ST not just with this etched body detailing sheet but other etches and castings from the RT Models range including a chassis kit.

Some other parts available from RT models

4SLP010 Lost wax brass Austerity/J94 injectors

4SLP002 Giesl Ejector chimney for fitting to industrial locos and the Austerity / J94 tank locos

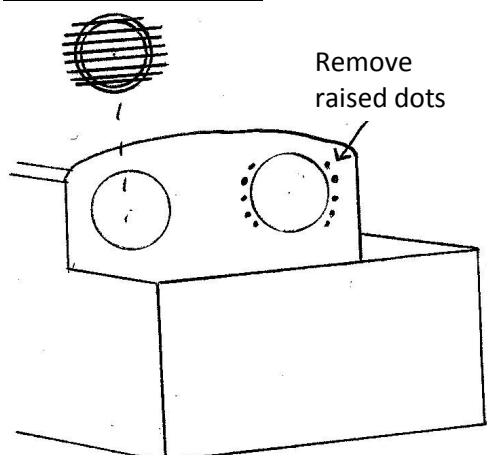
4SLP003 Giesl chimney plug for help in converting the Austerity / J94 tank to fit a Giesel chimney, designed to fit into the dapol/hornby rtr model.

4ACC007 2x small and 2x large oil cans, usually found on the footplate on industrial locomotives

4SLP019 Large electric headlights as fitted to industrial steam locos

4SLP040 Large electric headlights clear lenses for 4SLP019, 1 pair laser cut

Cab detailing



One improvement is to replace the rear spectacle rim and bars with parts 16.

To do this, unscrew the body from the footplate then carefully prise off the glazing units.

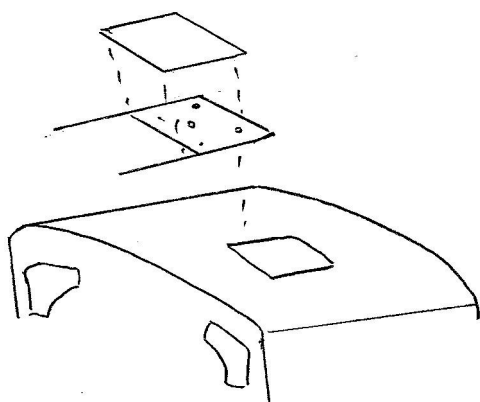
The original bars will be left in place which can be pushed out.

Paint parts 16 in your choice of colour and put to one side. When dry, glaze the rears by cutting some replacement clear plastic and fix onto the backs with Humbrol clear.

With a curved bladed scalpel, carefully carve off the raised moulded dimples.

Once you are happy, attach the replacement spectacle rims and bars with Humbrol clear which give you time to adjust and clean any excess off with a cotton bud soaked in water .

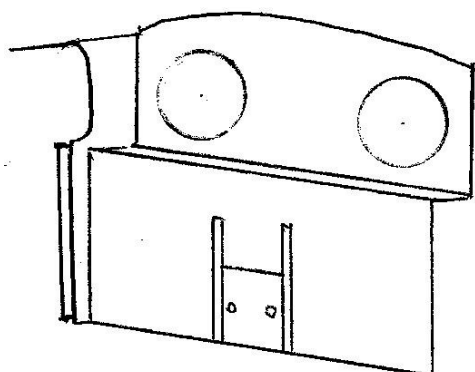
I don't recommend superglue for this as it could go where it shouldn't ruining the parts or the model itself and superglue can fog up the paintwork or glazing.



I have provided a option to model the cab roof ventilator if you wanted to.

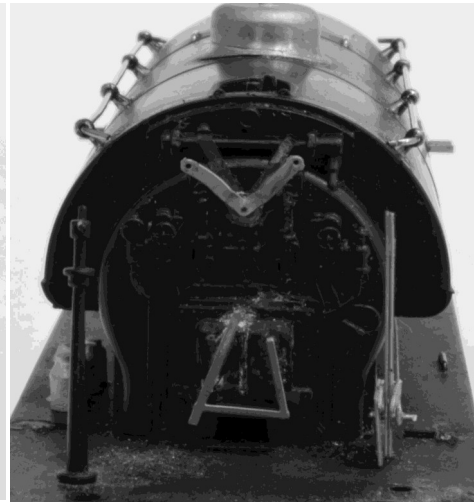
To do this, the original must be filed off carefully.

Then drill a series of holes just undersized to the hatch and file this square, when happy then glue into place parts 4 and 5.



Unfortunately on the DJ Models Austerity/J94, the cab interior coal bunker hatch is missing.

I have provided this as part 7, simply glue in place and drill the 2 holes and insert into them a channel shape piece of 0.45mm brass wire to represent the handle to lift the hatch up.



The regulator is quite a prominent feature i think and has been provided as a etch, part 13.

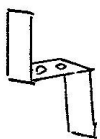
The regulator will need to be bent to shape with a double bend for each arm close to the centre, the curved part of the arm will need to be on the left hand side. Then insert small pieces of wire into the holes on the ends.

Parts 8 and 9 reversing lever consists of 5 parts, glue or solder the 2 levers, parts 9 together. Then with pieces of fine brass wire, insert these into holes in the rectangle on part 8 and slot one of the curved racks onto the outer wires, then the part 9 lever onto the central wire and then the other curved rack onto the outer wires.

Part 12 reversing rod which consists of 2 parts will need the small rod, part 3 attached to the back of the larger rods half etched area at the front of the loco.

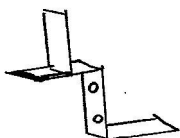
Now drill a hole on the footplate for the reversing rod to be attached to the footplate. Slot the other end onto the reversing lever assembly and use this to help locate its position.

Lamp irons



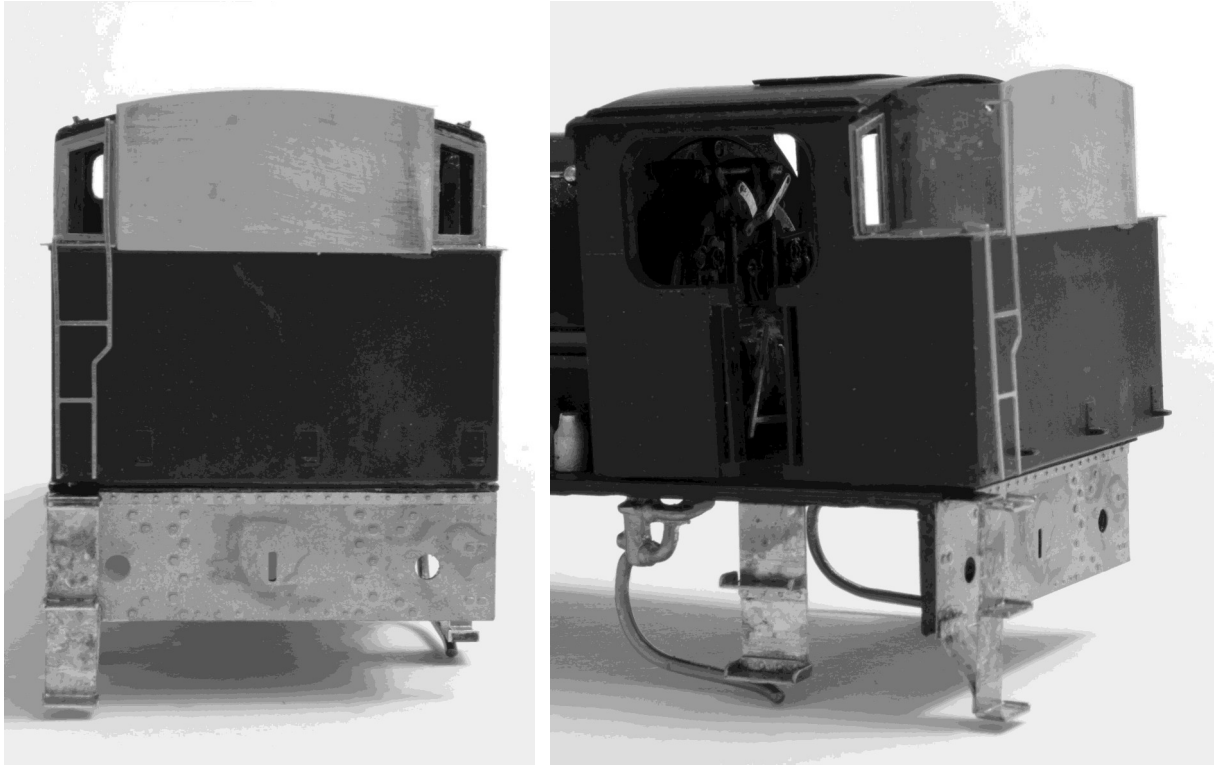
Etches are provided should you want to or need to replace the lamps irons

This version is for the footplate



This version is for the saddle tank front and cab rear.

LNER/BR coal bunker ladder and steps



This is the J94 LNER/BR version.

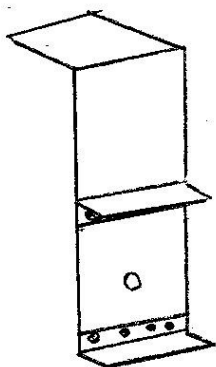
Part 11 the extended coal bunker ladder did vary on some locos but generally they was of the shape provided, fold the ends up with the half etched lines on the inside and carefully drill the holes to attach it around the bunker with a 0.5mm drill.

Part 10, J94 LNER/BR extended coal bunker steps consist of 4 parts. Fold up the main step unit making sure all the edges of the steps point upwards, do this also for the step and solder/glue into the slot.

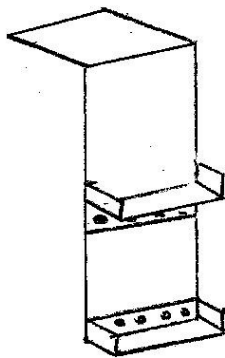
Take the small rectangles which are needed to attach the steps to the bufferbeam, the one with the half etched line needs to be folded and attached to the back of the step at the top. This will attach to the bottom of the bunker, it may need some filing to bring it closer to the bunker which the step should be level with the back of the bunker rear.

Lastly, take the other rectangle and bend this to a S shape and attach to the rear of the step at the bottom and attach the other end to the bufferbeam.

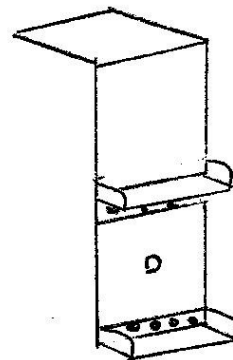
Footplate steps



Steps provided when first built
Cut the sides off



Steps with sides added
as per etches



Steps with sides added
as per etches but with
corners rounded off.

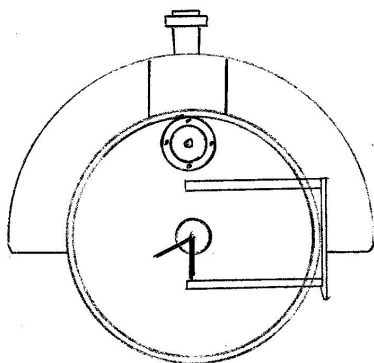
Parts 1 the footplate steps will need to have only 4 of the stops dimple pushed out with a sharp pointed object if using all 6 steps.

Note on the diagram how they are arranged if modelling a loco fitted with all 6 steps that the middle step doesn't have a raised rivet.

Now attach the part 2 brackets strips by fitting 1 to the bottom of the step and one directly underneath the centre step

When attaching the steps to the body, it is recommended on the tops of the steps and under the footplate to score the surfaces with a blade to ensure the glue has a means to grab onto the parts so they are less likely to be knocked off in future.

Other industrial fittings



Starting from the top, Giesl Ejector locos may have had fitted depending on the workshop a plate covering the open area of the saddle tank which is provided here by part 18 saddle tank front cover.

On the smoke box door is part 17. Smoke box door vacuum relief flap which was fitted to stoker fitted locos only.

Punch out the 4 half etched dimples on the rear before attaching to the smoke box door.

There is also included part 6, saddle tank steps.

Not required but there if needed.

These need folding up with the half etched areas on the inside including the tail which will help with securing in place once a hole has been drilled into the saddletank.