

Pi

PIL-007 Motor Rail 14T Shunter

Prototype Info

Motor Rail built a variety of standard gauge shunters after the second world war based upon their successful narrow gauge Simplex design. This beginners kit represents a late example, the 14T 85hp model was found at gas works, small industrial sites and coal merchants making it the perfect small shunter for many modellers.



About the kit

The kit is comprised of a fret of etched detail parts and a 3D printed plastic body. We recommend sparing use of superglue for adding the etched parts and details. **A video walking through this kits construction is available on YouTube on our Planet Industrials channel (<https://youtu.be/VvD2cAUm2kA>) and should be considered part of these instructions.** The kit is designed to fit a Hornby Ruston 48DS chassis without modification, re-using the four chassis retaining screws.

Please note this is a scale model for adult collectors and not intended for children under 14 years of age.

Assembly Notes

1 • Check the donor model

It is suggested you run the chassis in gently before assembly, to confirm it's operation.

2 • Prepare the parts

Strip down the Hornby Ruston 48DS, pull out the NEM couplings / blanking plates. Remove the four cross-head screws from the corners of the chassis and pull out the chassis. Carefully remove the etched parts from the fret using a sharp blade on a piece of MDF (or similar) or etch snips. Clean up the tabs to leave a smooth etch to each piece. The 3D print has been cleaned, but you can smooth chassis side members and the angle top edge of the bonnet to reduce the appearance of the crease line before adding the etched parts.

3 • Fit etched parts

Start with the cab sides, noting these are handed. Apply a thin bead of a gel type superglue along the frame of the 3D print, and place the cab etch in position. Gel type glue allows a moment of adjustment, press firmly to make the joint permanent. Follow with the cab front and back, before adding the bonnet sides, front and bonnet top. Leave the cab roof off until after painting.

Buffer beams are provided to cover the NEM socket for those using 3 link couplings. If you want to preserve the NEM socket then do not fit these, instead carefully smooth the 3D printed buffer beams.

Drill out the handrail holes using a 0.5mm drill and form handrails from the supplied 0.45mm brass wire. Small door handles can be added to the cab and bonnet. Buffers and couplings are not provided. Suitable 18" or 24" buffers are in the RT Models range, available from Light Railway Stores.

Painting and finishing

Prime the model before applying the colours of your choice. Motor Rail delivered these small locomotives in the colours specified at ordering. If applying wasp striping to the buffer beam it is recommended you leave fitting the buffers until after this has been completed.

Glazing can be cut from thin acetate or clear styrene sheet and fitted with PVA or glue-n-glaze. Fit the roof afterwards.

About Planet Industrials

Planet Industrials was founded in 2019 and offers a range of kits and components in 1:76 scale specifically suited to industrial prototypes.

This kit was designed by James Hilton, If you have any queries about the model or instructions please get in touch.

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ASSEMBLY
VIDEO ON
YOUTUBE

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