

Mannin Models Bayer Peacock

Thank you for purchasing this kit. It is produced using a light curing resin in a 3D printer that uses an accurately focussed high intensity light to cure the resin into the shapes we want. As a modeller you will find it has similar properties to the more traditional resin moulded kits.

My preference is for grey resin as it is easy to see if there are any serious faults with the model, however sometimes the grey is not available and I will use clear resin. If I have used the clear resin you will find the model has been sprayed with a thin coat of primer, this protects the clear resin from UV light and also makes it easier for me to check the model before dispatch.

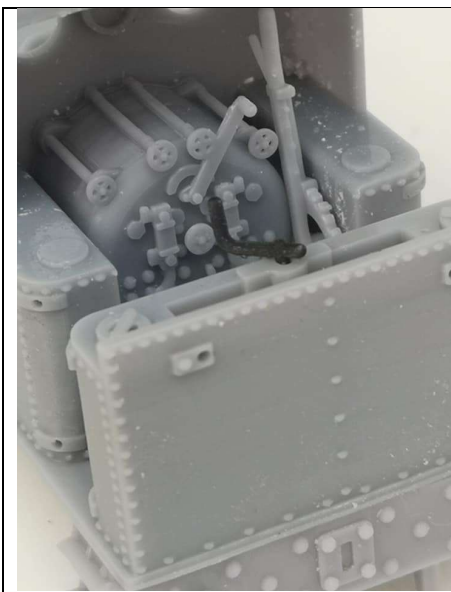
It is a more expensive and messy process than the usual FDM 3D printed models, but I hope you will agree the results are well worth the effort!

When storing the model try to avoid storing it in direct sunlight, particularly when unpainted. The parts can become distorted if left in sunlight without having been painted. If this happens it is often possible to persuade the parts back into position if you put them in hot water for a little while to soften the up. If the worst comes to the worst, I can supply spare parts.

The kit is very simple to put together, so I have just produced some tips and hints rather than A-Z instructions. A good superglue (20 - 40 second cure time- not instant!) holds the parts together well, as does epoxy resin if used carefully.

I have found that Halfords undercoat works fine.

Cab interior.



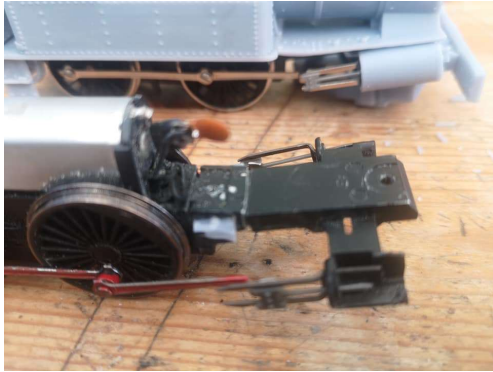
The cab interior is quite a squeeze. Paint the cab interior before building the kit and paint the interior parts before fitting!
The firebox fits first with the reverser squeezing in next to it.

The hand brake needs to be fitted last as it is very easy to break off if you are fiddling around in the cab.

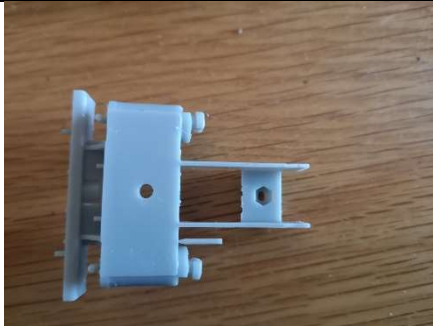
The picture is actually the same model as yours but printed with the back cab sheet removed for a model depicting the opening day of the Isle of man railway when they ran the loco's like this- If you are tempted to do this to yours, please note it will severely weaken the body- This was a special model with a strengthened floor.

Chassis

Having removed the bodywork and the cylinder assembly, which unclips cut the front of the chassis off in line with where the body starts to angle upwards.



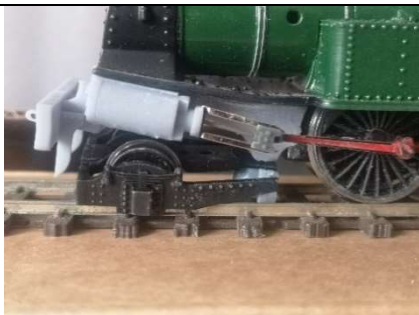
Gently pull the crosshead guide rails out of the Hornby cylinders you previously unclipped and fit them to the slots in the Kits cylinder assembly



Fit an M2 nut into the captive hole in the cylinder/frame assembly before you fit it to the chassis.



Bolt the cylinder assembly to the body, making sure you line up the front of the cylinder assembly with the front of the body, then offer the whole assembly up to the chassis.



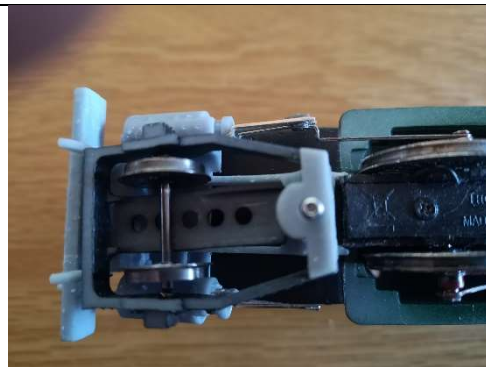
The inside frames of the cylinder assembly can now be glued onto the Hornby chassis. Once the glue is dry you can remove the front mounting bolt and the body can be removed from the chassis in the same way the Hornby body originally fitted.

Pony truck

Fit the bearings in the blind holes in the back of the axles and fit the wheel set before fitting the rear pivot



The rear pivot slides into place. If it is tight do not be tempted to force it, simply use a small needle file to open up the slot.



The Pony then can be fitted using the M2 screw which screws into the captive M2 nut you previously fitted to the top of the cylinder assembly.

Fitting the body.



The back of the body fit in exactly the same way as the Hornby body with the recess fitting over the lip on the back of the chassis.



Inside the smokebox fit a nut into the nut shaped recess.....

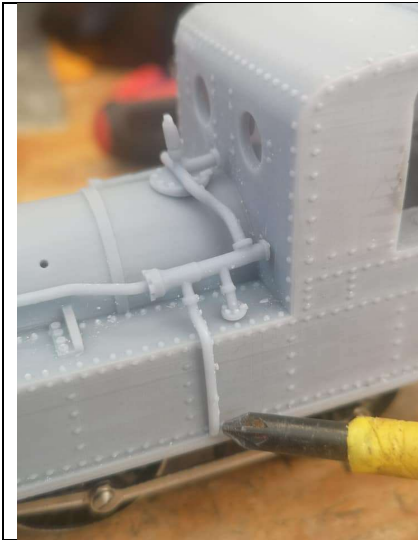


.....Then slide the smokebox door into position- this then holds the nut in position.

The body is held onto the chassis using the M2 screw at the front which screws into the captive nut.



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If you have the external injector return pipe option, make sure you put a small drop of glue at the bottom of the pipe to attach it to the body. The injector pipework comes in 5 parts – Rear pipework c/w injectors, pipes which are handed and a pair of Klack valves.



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Isle of Man Bayer Peacock Parts

Body		Pony pivot	
Front Buffer		Injectors	
Smokebox door		Injector pipework L & R	
Smokebox door spacer		Klack valves	
Magnets		Reverser	
Firebox		Toolbox (1878 version only)	
Dome		Loco Jack	
M2 Nuts X 2		Tank cover plates (1878)	
M2 bolt 14mm		M2 Bolt 20mm X 1	
Wheelset		Small knobs	
Wheel bearings X 2		Large Knobs	
Smokebox wheel or Darts		0.7mm Brass rod	
Pony			
Brake lever			