



Hudswell Clarke 1800 Class Locomotive Body Kit

Please Note:

This kit is produced in 3D printed resin. Although quite durable the material will not stand rough handling and may be liable to cracking. Please read and familiarise yourself with the instructions before starting.

The Electrotren chassis comes in several variants. Our kits are designed to use fixing bolts on the front and rear. Some chassis already require this fixing method and require no modification. However, some newer chassis use two screws in the cylinder block to secure the chassis to the body. After removing the chassis from the donor model these can be discarded. Once removed you will see a small PCB at the front of the chassis. A small plastic lug holds this in place. Remove the lug and you will see a tubular hole running into the bottom of the chassis but blanked off by the plastic keeper plate at the bottom. This will need opening up to 2mm with a drill. Take your time and ensure all the plastic swarf is removed. This then allows the fixing bolt (supplied in our kit) to pass through the chassis and PCB before engaging in the nut fitted to our body kit.

Other variations of the chassis include a long and short NEM coupler box. This kit is suitable for use with either variant.

Before starting your kit please check the contents. In your package should be:

1x Main Body	1x Cab Roof	1x Backhead
3x Tank Fillers	3x Springs	1x Smokebox Door Dart
7x Handrail Knobs	1x Length of Handrail Wire	2x Draw Hooks
2x M2 Nuts and Bolts	2x Footplate Crew	

The main body is provided having been already removed from its moulding sprues. Check the body over for any small left-over pips and remove them with a modellers file if necessary.

Using a 0.9mm drill bit in a pin vice open up the six holes for the handrail knobs. There are two on the front of the tanks and four on the smokebox. Also open out the locating hole for the smokebox door dart. Make sure the body is well supported and take your time opening-up the holes – only a little pressure is required.

There are a number of individual handrails. The four cab handrails are formed from a length of wire with a small right-angle bend at the top. These fit into the recess in the inside cab sides. The tank front handrails are formed from a straight length of wire fitted to a single handrail knob. The final handrail is a little more complicated. This handrail requires a curve forming to match the front of the smokebox (a 5p piece is ideal for this) before folding back to run along the side of the boiler. Three 6cm lengths are provided – one for the front hand rail and the other two which can be cut into 6 2cm lengths to form the cab and tank front handrails.

The smokebox door dart can now be cleaned up and fitted.

The tank fillers are next to be added. These need to be carefully removed to avoid loss. Once any printing pips are removed the fillers can be located in their position on the tank top. The hinges should be nearest the cab and the straps parallel with the water tanks. A spare tank filler is included.

The two springs can now be carefully removed and fitted with a little glue to the running boards beneath the tanks. A spare spring is included. Lastly fit the drawhooks through the slots in the bufferbeams. These can be cut down behind the bufferbeams if required.

The main body is now ready for painting. Firstly, ensure it is properly clean with a gentle wash in warm soapy water. Once completely dry the body can be spray or brush painted. Start with a primer before applying the body colour.

Once thoroughly dry we recommend painting the cab interior wall colour. These were often black to waist height and cream or off-white above. Pick out the cab gauges with a little brass colour.

Carefully mask the body to allow the neat painting of the running plate in black. Once complete a similar method can be used to paint the smokebox and front and rear buffer beams. The underside of the body and frame extensions will also require a coat of black paint.

Finally pick out any details you wish. A polished brass dome, safety valves and water tank fillers can all be painted as required.

Moving away from the body the roof and backhead can be removed from their printing sprues and cleaned up. Once complete these can be painted black in a similar manner to the body and details such as the regulator and gauge glasses picked out. The footplate crew figures can also be removed, cleaned and painted. Lastly the sandboxes can be painted – this is easier before final fitting running plate. These fit towards the rear of the smokebox.

To finally assemble the model first fit the backhead inside the cab with a little glue. This is followed by the footplate crew, and finally the cab roof.

Turning the body over you will find two recesses for the M2 nuts. Fit these in position with a small amount of superglue. Make sure you don't get any glue inside the nut on the threads.

Turning to the chassis the two side weights need to be removed from either side of the motor. These are held in place with double sided tape and can gently be prised away.

Fit the chassis into the body, carefully ensuring any wires are neatly tucked in. Pass the two M2 bolts through the chassis and gently tighten. Do not over tighten.

Finally fit the two couplings into the NEM sockets ensuring they are the correct way up. Your locomotive is now ready to haul its first train!



We hope you have enjoyed building this kit. If you have any questions, please do not hesitate to contact us at management@hardyshobbies.co.uk

Hardy's Hobbies