



16" Bagnall Locomotive Body Kit

LB_0015A & B

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. Due to the nature of these production methods there may be some minor flaws that need a little attention from a file and or filler. Please read and familiarise yourself with the instructions before starting.

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

1x Main Body	1x Cab Roof	1x Backhead
2x M2 Nut and Bolt	2x Footplate Crew	1x Smokebox Door Dart
19x Handrail Knobs	3x Lengths of Handrail Wire	2x Draw Hooks
2x Sandboxes	2x Ladders	1x Reverser
1x Handbrake		

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. The chassis is a tight fit into the body. Carefully try it and if required gently ease the tolerances with a modelling file.

To aid the printing process the tank support beams are printed as separate parts. These need gluing between the running board and the bottom of the water tank. The leading edge (closest to the chimney) should be 18mm behind the front corner of the water tank. The beam should be flush with the rear edge of the running plate.

Using a 0.9mm drill bit in a pin vice open up the holes for the handrail knobs. There are six on each side of the saddle tank, four on the front of the running plate and the final two can be found on the front of 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.

Thread four handrail knobs onto a length of wire and fit them into the holes on the side of the saddle tank with a little glue before trimming to length at the front with a pair of small cutters. The section that is left over can be used for the short tank side. Now use a new length of wire to make a repeat of the handrails for the other side. The remaining length can be used for the smokebox front handrail and running board handrails.

The smokebox door dart can now be cleaned up and fitted as can the cosmetic drawhooks. These will require the tails to be trimmed so that the chassis fits. The springs can also be removed and fitted to the footplate. These sit flush with the front of the firebox and flush with the inside of the running boards.

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.

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.

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 against the smokebox set back towards the smokebox / tank join.

To finish the model first fit the backhead inside the cab with a little glue. This is followed by the reverser (hole towards the front of the cab), handbrake (hole towards the back of the cab) footplate crew, and finally the cab roof. On the Giesl fitted locos the cab roof was one piece with the cab sides. This has proven very difficult to reproduce. We recommend trial fitting the roof and adjusting with a file before fitting and hiding the seam with a little filler.

Turning the body over sockets will be found to hold the two M2 bolts. These should be glued in place carefully avoiding getting any glue onto the inside thread.

The donor chassis needs a very slight modification. At the front of the boiler section are two plastic clips / locating lugs which need to be removed. Carefully cut them with a small pair of cutters. Fit the chassis into the body, carefully ensuring any wires are neatly tucked in. Pass the long M2 bolt through the front of the chassis and the short bolt through the rear of the chassis and gently tighten. Do not over tighten.



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

