Buckjumpers on Terriers

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This CDC Design product is an OO scale 3D printed body, designed to fit a Dapol Stroudley Terrier chassis, which continued to be produced by Hornby until they retooled their chassis from R3767.

- Any Dapol or Hornby release that precedes R3767 should fit.

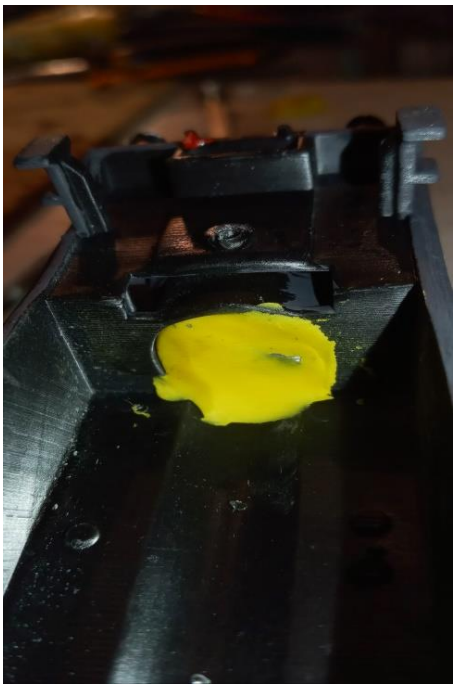

Fig.1. Weight in the boiler

The raw material used is soft, easy to work with, and allows for very fine detail, so care must be taken when handling the detail, especially the vacuum pipes, handrails, coal rails and footsteps.

1. Before the body is fitted to the chassis, add small pieces of lead wrapped in Plasticine inside the boiler for additional weight. Figure 1.

2. The body fits the chassis well; however the fixing holes may require attention. Slowly and carefully drill out both fixing holes with a sharp, 1.5mm drill bit by hand in a pin vice. Do not use an electric drill on these models. Enlarging the chassis fixing holes is done to avoid damaging the larger extended fixing boss. (A repair can be affected with a piece of plastic tube, or washers and a slightly longer self-tapping screw if absolutely necessary).

3. The body shell may arrive with the cab roof already fitted. Although a firm fit, this will not be permanently fixed. If you want to fit glazing to the cab spectacles, the roof needs to be gently prised off. Be careful not to damage the edges.

Fig. 2 Cab rear spectacle glazing with etched bars.

Fig 3. Lead weights, (in this case flattened expired .177 old ammunition), pressed into a bed of Plasticine.

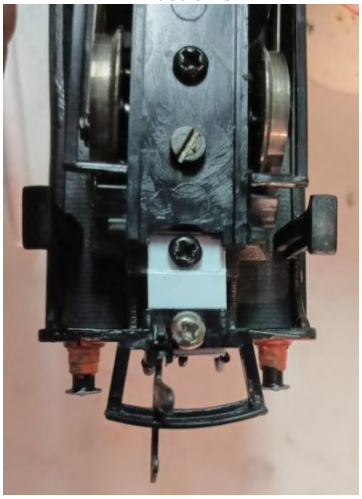

Fig 5. The front hook and bar coupling extension in place

4. Once again, place tiny pieces of lead deep in any colour Plasticine in the coal bunker to balance the weight already added to the boiler. Be very careful of the fine coal moulded rails. Figure 3.

5. Warm a little black Plasticine in your hand. Separate it into two pieces, and very gently add the black layer to cover over, and fill, the coal bunker area to the desired level. Do not overfill it. Make a soft little "mountain range" using the handle end of a needle file. Add coal dust to the black Plasticine and gently tamp the dust down into the soft black Plasticine, using the handle end of a needle file or the flat blade of a small screwdriver. Make sure the Plasticine is fully covered. It will not stay soft but will harden in time. Figure 4.

Fig 4. Finished rear spectacle glazing with etched bars and real coal dust infill of the bunker.

6. With a sharp scalpel do not slice, just use a sharp blade edge to scrape away, the cab roof fixing ledges for the cab front and back, gently shaving away until the roof fits snugly allowing for the glazing and helping to keep the glazing in place.

7. Now buy, the most important person in your life, a box of suitable round gold nutty truffle chocolates. (If you are not spoken for, just use the thinnest clear glazing you can find). Cut four pieces, (six if you are working on the J68), of glazing out of the thin clear plastic cover. Score 1mm apart vertical lines on two pieces for the rear cab windows, smear over with black paint and if you like too. Use clear household adhesive to fix the glazing inside the cab.

8. The Terrier chassis sits too far back from the front, so the front coupling should be removed and remounted. Figures 5 & 6.

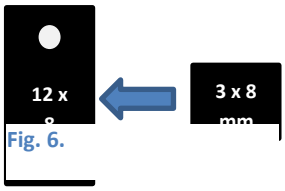

Fig. 6.

a. Use a 30 thou piece of Plasticard 8mm wide by 15mm long. Cut 3mm off the end of it. (This piece will fit behind the refitted coupling).

b. Drill a 1mm hole, 1mm from each end of the 12mm long piece to accept the coupling screw and another coupling screw (not supplied) to attach to the chassis. Figure 6.

c. Fix the coupling extension plate with cyanoacrylate glue.

d. Fix the coupling in place from underneath the plate. The height should be OK but check.

e. Fix the small piece of Plasticard between the coupling and the chassis fixing screw.

9. Refinish the Plasticard and other surfaces and add decals as desired.

This 3D Buckjumper 3D printed bodyline range is available from (https://www.cdc-design.net/)