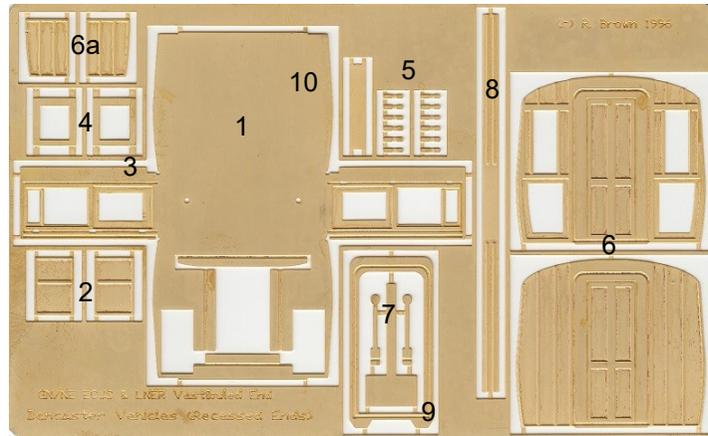


GNRC009 Pair of GNR/ECJS Gresley Recessed Vestibule Carriage Ends

These recessed ends are intended to suit vehicles built at Doncaster from 1905 onwards, typically open stock.

Until 1910 the ends had a window either side of the gangway - this was usually blanked out or replaced completely with normal beading as the vehicle was serviced/repaired. There appears to be no hard and fast rule as to when this modification was carried out so the modeller is advised to follow any available photographic evidence.



Parts list

1. Main fold-up doors/end unit
2. Door panels
3. Spacing strip
4. Droplights
5. Door hinges
6. Outer wrappers
- 6a. Beading panels
7. Lighting control jumper leads
8. Gangway base/sides
9. Gangway end plate
10. Gangway top cover

Assembly instructions

Although there should be no particular problems for the inexperienced modeller, great care should be taken to follow the order of construction outlined below and to use the appropriate solder - 188°C unless mentioned otherwise.

1. Remove the parts from the fret only when required and file off any holding tabs.
2. Fit the lower door panels into the recessed panels on the door sides - larger panel to the bottom.
3. Fold back the spacing strip onto the door side - this gives the correct depth of recess.
4. Mark and drill 0.5mm holes for the door grab handles and tee handles while the etch is flat. The former are made from 0.45mm brass wire, and for the latter we recommend our products C6 (etched) or UC046 (turned).
5. Fit the droplights behind the doors, perhaps open for summer and closed for winter?
6. Fit the door hinges - watch out for solder bleeding through into the door outline.
7. Drill out the holes in floor of the main unit to suit your usual body fixing screws, typically 10/12BA or M2. Solder fixing nuts over the holes, clearing any solder residue with the appropriate taper tap.
8. On the main unit, fold out the bow end profile formers, strengthen with a fillet of solder and tin the raised surfaces. Tin both sides of each body profile. Fold up the unit into a box, curving the door tumblehome to match end profile. Solder box up solid - use 145°C solder to avoid disturbing previous joints.

9. Choose the correct outer wrapper (soldering on the beading panels if required) and bend it to a bowed shape. Solder it onto to the main unit with 145°C solder. Carefully file away anything outside the profile.
10. Fold up and fit the etched lighting jumper leads using 145°C solder. Make any builders plates and fuse boxes from scrap etch and solder them to the correct place on the ends - refer to photographs as these were very variable in GN/ECJS days due many different suppliers of lighting and switchgear.
11. Build up the gangway. Bend the base/sides unit into a U-shape, with the bellows ridge detail on the outside. Solder it into the half-etched groove on the end plate, then add the top cover. Solder the complete unit to the end using 145°C solder.
12. Add the door tee and grab handles using 145°C solder.

Repeat all the above for the second end.

Fitting of Body Sides

1. Fit the lower body panels into the side recesses.
2. Fold up the body sides. Take great care about the top edge flap - score the half-etched flap heavily before folding to get a sharp crease, using a folding press if possible.
3. Screw the ends onto the underframe.
4. Offer up the body sides to the underframe and ends, checking that when the top flap is resting against the top of the end units the bottom flap is snugly butted up against the floorpan. If the fit is not good enough carefully file away the top of each end unit until satisfactory, using a fine cut Swiss file if possible.
5. Form the body sides by hand to match the tumblehome profile of the ends.
6. Solder the sides to the ends with 145°C solder - be careful not to solder the assembly onto the floorpan.

Livery

Pre-grouping and LNER era - varnished teak. Blanked in window panels may have been painted plain brown, particularly during the Depression or WWII.

BR era - black during if the sides are crimson and cream; maroon if the sides are maroon.

The gangway end plate and bellows were always black.