

Rumney Models - 7mm Scale Grampus Detailing

Notes

This set of instructions covers Rumney Models kit OB.109. This set of etches is designed to provide new baskets and detailing for the Parkside Dundas BR Grampus wagon.

The plastic wagons can be assembled before fitting the detailing parts though it is worth remembering that working on the solebars themselves, when drilling holes for the door springs, is much easier before fitting the solebars to the wagon. I am a big fan of pinned joints between small metal and plastic parts as the joints are hopelessly vulnerable otherwise. If you are using this set of etches in conjunction with Rumney Models Scale 21T Lifting Link Underframe Detailing kit OB.110 then you will need to refer to those as well as you go along. I would suggest assembling the basic kit whilst leaving off any detailing parts that are included in these etches or can be fitted at a later point and leaving the solebars off until work has started on the etched components. Also note that the baskets are designed to pin to the plastic framing in the Parkside kit which will need to be used.

Broadly the instructions come in two parts. The first deals with construction of the baskets and the second the rest of the detailing components and assembly.

Construction Notes

Read through the instructions first and familiarise yourself with the components. Drawings and photographs are included to attempt to make my waffle clearer.

All fold lines are through 90° with the fold line on the inside unless stated otherwise.

Check all holes before removing parts from the fret. The drawing process for etching if you use a CAD program as I do is extremely accurate but the actual etching process itself not an exact science. If the fret is slightly over etched then there is no problem but if they are under etched the holes will need enlarging. I find that this is easiest to do before removing parts from the fret. The hole sizes will be noted at the appropriate points.

Materials list

A couple of different sizes of wire are needed to build the items on the fret. Eileen's Emporium are good source for these and they do a mixed sizes pack if you don't want to buy large quantities. Contact details can be found below.

0.5mm - Baskets, door springs
1.0mm - Basket fret alignment pins

Eileen's Emporium
Unit 19.12 Highnam Business Centre
Newent Road
Gloucester
GL2 8DN
UK
www.eileensemporium.com

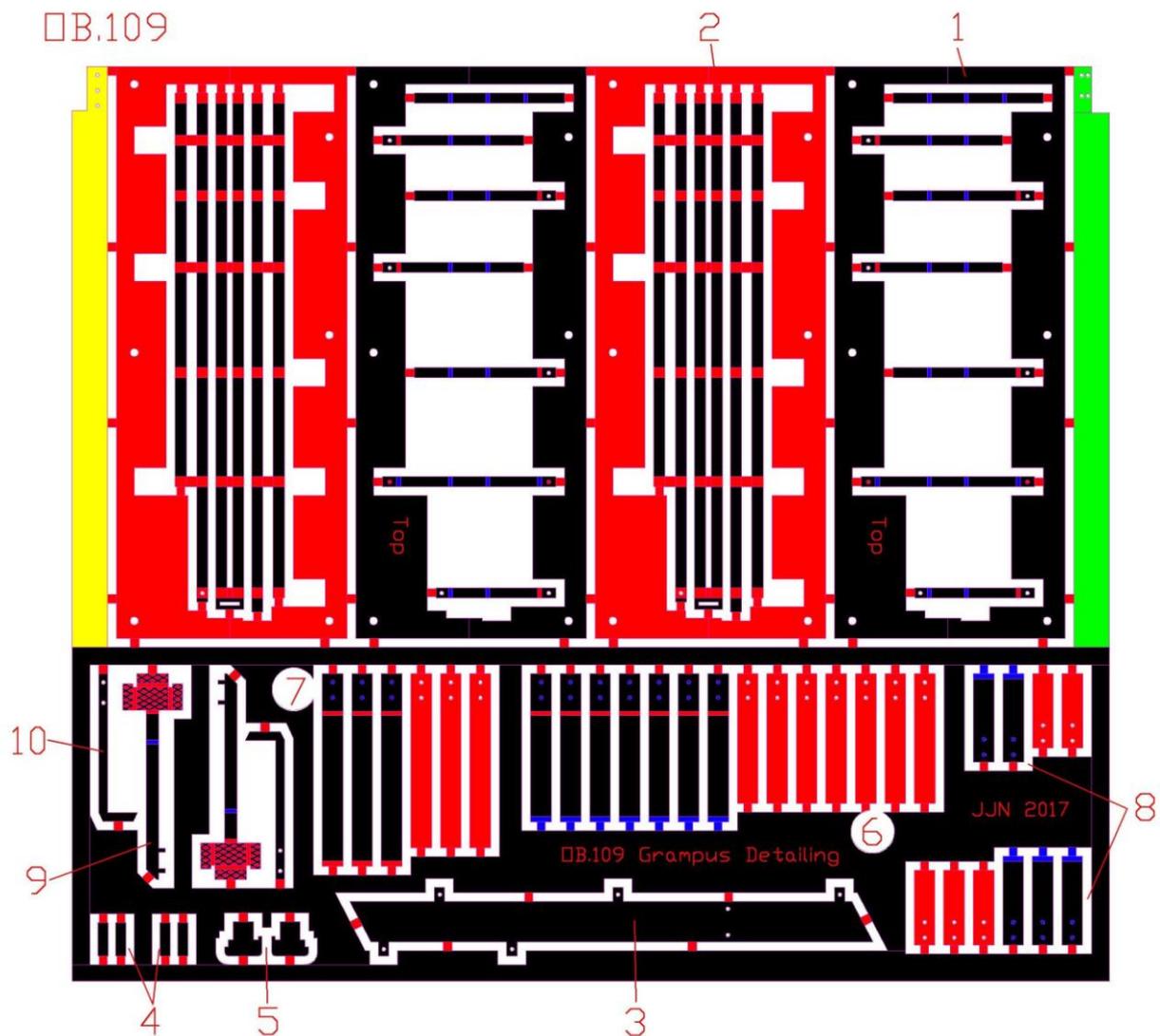
Parts List

- 1 - Basket stays
- 2 - Baskets planking
- 3 - Basket drilling jig
- 4 - Basket inner end fill
- 5 - Basket outer end stop

- 6 - Solebar door springs
- 7 - Solebar door springs (brake lever)
- 8 - Body side door springs

- 9 - Corner step
- 10 - Corner step angle

There are two other drilling jigs on the fret. The area shaded yellow on the parts diagram below is the drilling jig for the body side door springs and the one coloured green is the drilling jig for the corner steps.



Baskets

The baskets are designed to be assembled whilst the parts are still attached to the frets. This is done by pinning the frets for the two parts of the baskets together using 1mm wire and then once everything is soldered in place the parts can be removed and cleaned up.

The first step is to create a jig to aid assembling everything. Use a suitable piece of scrap wood or mdf. Using the grampus basket stays fret (1) as a guide and, making sure the writing facing away from the wood, drill through the various holes into the wood. The larger holes are 1mm diameter and the smaller ones 0.5mm.

Once this jig is completed the baskets can be assembled.

Firstly tin the areas on the basket stays (1) that are half etched with solder. Note that there are two half etched holes on one of the stays. These can be pressed out to look like bolt heads. Next take one of the baskets planking frets (2) and pin to the jig using short lengths of 1mm wire. There's only one way round you can do this. Place the basket stay fret on top of basket planking fret so that they are contact. Sweat the two frets together. Then insert short lengths of 0.5mm wire through the small holes in the stays and solder in place. These will be used to pin the basket to the wagon underframe. The visible parts of these lengths of 0.5mm wire can be trimmed to resemble bolt heads.

When you are confident that everything is securely attached remove the basket from the fret using a piercing saw, clean up any connecting tags and then fold up the basket. All the fold lines are through 90° with the fold line on the inside. Refer to the photographs.



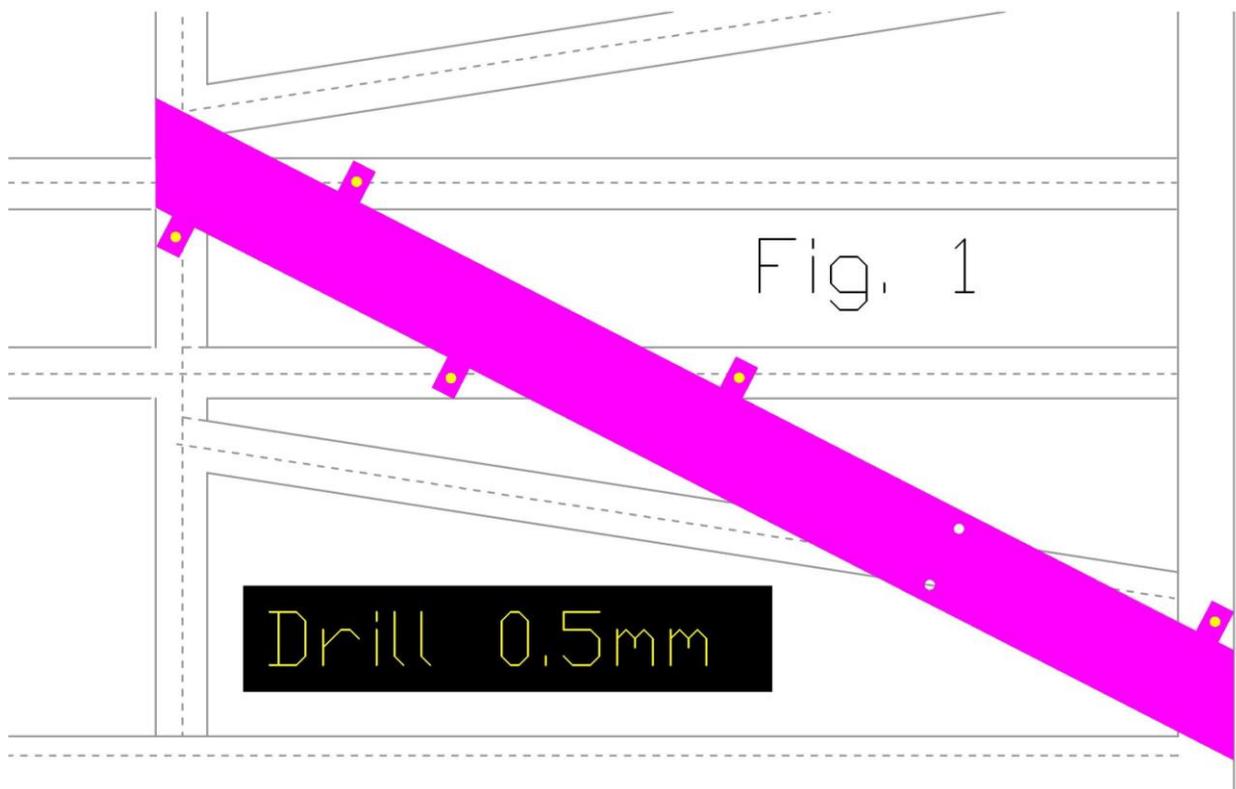
Basket viewed from the inside and showing the basket inner end fill (4)

The basket inner end fill (4) can be soldered in place if required. Use the picture above as a guide. Also solder in place the basket outer end stop (5), this goes into the slot in the basket planking. Use the picture below for reference.



Basket viewed from outer end and showing the basket outer end stop (5)

The basket is now ready to be fixed to the underframe. To do this a basket drilling jig (3) is included. The best time to use this is before the wheels are put into the wagon but after the basic model with trussing and headstocks have been assembled. Place the drilling jig on the underframe using Fig. 1 as a guide.



The basket can be glued in place with the 'pins' that were soldered to the basket locating into the holes drilled into the plastic frame. This should ensure a very robust fitting.

Door Springs

Three types of door spring are included on the fret. There are two types that attach to the solebar, one of which goes over the brake lever (7), and a body side door spring (8).



Solebar door spring (6)



Solebar door spring (brake lever) (7)



Body side door spring (8)

The springs are quite heavy and to try and replicate this I have included both full thickness and half thickness version of each spring. You can either push out the rivets on the full thickness version and then glue them in place or drill out the half etched holes and pin the door springs to the solebar for robustness. If using the later option you can use the additional half etched layer if you wish. Some half etched fold lines have been included to aid with bending them up.

If you are planning on pinning them to the solebar it is best to drill the receiving holes in the solebar before fitting them to the wagon. You can use one of the door springs as a drilling jig and while you are drilling holes in the solebar, drill a pair of holes into a scrap piece of wood so you can use them to solder lengths of 0.5mm wire in place before fitting in place. If using the half etched part, note that these go behind the full thickness springs. The spacing of the solebar door springs should be as per the Parkside instructions.

As the body side door springs are quite short I have included a drilling jig for these. This is the part coloured yellow on the parts diagram.

Steps

The steps are attached to the headstock by angle and to try and replicate this, the etched version comes in two parts. There is the corner step (9) and the corner step angle (10). Part 9 is obviously the important one and the angle part can be left off if you think it's too fiddly. The parts are designed to be pinned to the headstock and a drilling jig is included to aid with this. This is the part coloured green on the parts diagram.

To construct the step fold up the three sides around the step and then fold this back on the part that makes up the front of the angle. There is also a fold line in this part which should be folded through 90° with the fold line on the inside and goes up against the back of the step. This can then all be soldered together.



If you want to make use of the corner step angle (10) I think the best way to assemble the two parts is to use the drilling jig to drill four holes into a scrap piece of wood or mdf, fit the assembled corner step into the left hand pair of holes, pin the corner step angle into the right hand pair of holes using 0.5mm wire and solder together. The wire can then be tidied up to represent bolt heads.

Use the drilling jig to drill four holes into the headstock between the iron work and buffer as shown in the picture and glue the assembled step into place.

Justin Newitt - February 2017