

ASSEMBLY INSTRUCTIONS

RTS 4B14 SLAB AND GIRDERS FOOTBRIDGE

CONGRATULATIONS

Congratulations in choosing a unique product to enhance your slot car track diorama. This can truly be described as a product born from a love for slot cars. Buying this product have made you a member of a very special family, yes you are not dealing with a faceless business, but rather a family of slot car fanatics.

We have put hours of skill and more importantly love into this product and it is wonderful to share our love for slot cars with you. May you enjoy the build and have years of joy having it as part of your trackside diorama.

This product is an imaginary footbridge that span two slot car lanes. It is a deck slab with girders design. The main structure and staircases will be assembled separately. This structure will enhance any slot car track. The bridge offers possibilities to brand it according to your preferences.

WARRANTY

This product is covered by a comprehensive money-back warranty to ensure your absolute satisfaction with your purchase.

WHO ARE WE?

This product is brought to you by racetrackscenics.com. If you have not done so already, please visit our website today. You are also most welcome to visit the Facebook pages "**Race Track Scenics Slot Car Scenery**" and "**Johan Malan**" to keep up to date with the latest developments and the launching of exciting new products that may be in the pipeline.

You can contact Kevin Sharpe on
Email: racetrackscenics@gmail.com
Text in the USA 586 549 2879
WhatsApp 1-586-549-2879

for any assistance that you might require. Your feedback and a photo or two of your trackside addition will really be appreciated. We love to share in your joy!

WHAT IS IN THE KIT?

In this kit you will find all the laser cut pieced needed to assemble this product. The pieces are still intact in the sheets as they were cut to ensure that all the parts are there. Some of the loose bits inside pieces may have been removed, but they are not part of the finished product. In the section "FAMILIARIZE YOURSELF" below, you

will find diagram(s) that identify and explain each piece (component) that you are about to assemble. In the section “PREPARING THE CUT PIECES” below, you will learn how to proceed to prepare the pieces for assembly.

WHAT YOU WILL NEED

We have specifically designed this product so that it is easy to assemble with only a few basic tools. You will need the following:

- a screwdriver
- a sharp hobby knife
- some glue
- a few toothpicks
- a few earbuds can be handy
- a paintbrush or sponge roller and paint or a rattle can or two with spray paint.

There are really two schools of thought as to the right glue to use. Some people prefer a rapid setting glue like most gel super glues, while others prefer a slower setting glue like ordinary cold wood glue (pva glue). Sometimes more than one part must be assembled almost simultaneously and then a forgiving glue makes life a bit easier. Gluing the 26 steps into place may take a bit of time when you do it for the first time and a slower setting glue may just make life so much easier. Other times you may want a quick fix and then the rapid setting glue is the obvious choice. Our advice is to see what works best for you, there are no right or wrong, both types will produce a sturdy structure.

You will only need a small amount of glue and remember to look for the surfaces that will be in contact in the end and do not only apply glue to the lugs and sleeves. The latter restrict movement in one plane, but the glue fix it in the perpendicular plane. Using a toothpick is a handy way to apply glue and an earbud can be used to dab away any excess of glue (especially if you use wood glue).

If parts must be at a right angle, you can use any object to assist you in obtaining a square finished product in the end.

PREPARING THE CUT PIECES

Firstly, remove all the laser cut parts from the sheets. The sheets can be discarded. Clean the edges of the parts if there are any tiny bits where the parts were fixed to the sheets. This can be done with your knife or even your thumb nail.

We recommend that you start by sanding your finished product with a very light sandpaper to ensure a smooth finish for the end product.

WORD OF ADVICE

We would strongly advise you to do a quick dry assembly before you start gluing the laser cut parts together. Lay out all the parts on your work surface and make sure that the parts are not upside down or mirrored. In most instances it will make no difference, but in others it may be crucial to ensure a perfect product in the end.

Our laser cut parts are specifically cut to very fine tolerances to ensure a snug fit and therefore it is wise to check all fits before gluing parts together. You may need to trim a lug here and there to make assembly easier.

PAINTING YOUR PRODUCT

We would strongly advise you to finish the product with paint or wood stain to make them as appealing as possible. The parts should be primed (2 coats) and painted before final assembly. Spray paint can also be used to get a very smooth finish. Oil or water-based paint can be used and specialised paints like chalk paint can be used to give unique finishes.

Generally, it is highly advisable to paint/spray before gluing. You may not be able to get to the inside of the structure after it is glued together. Covering all the parts that must not be painted or sprayed with the same colour can be a tedious process. Pre-painting will avoid this process.

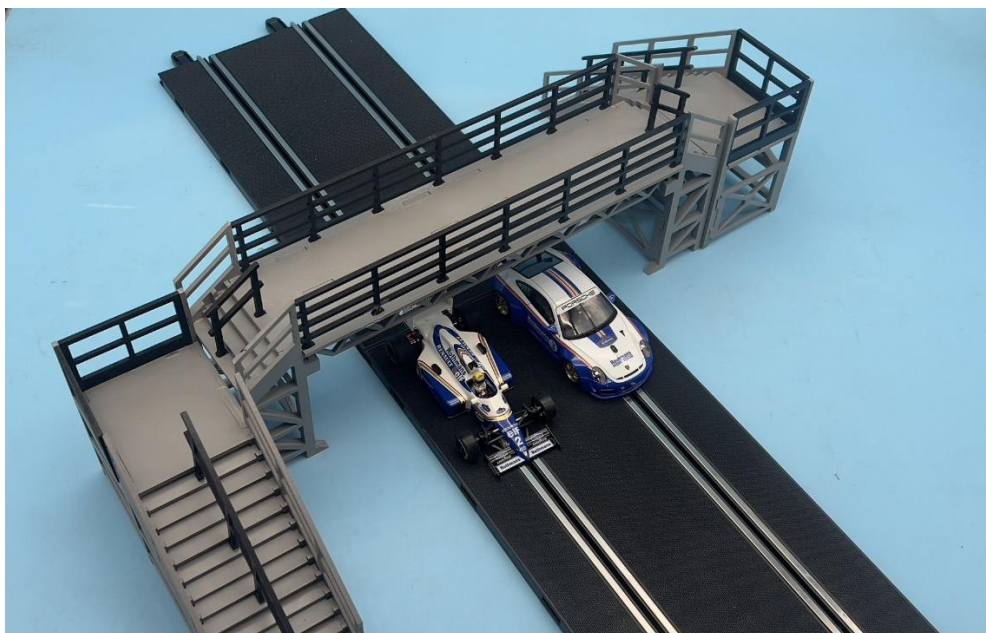
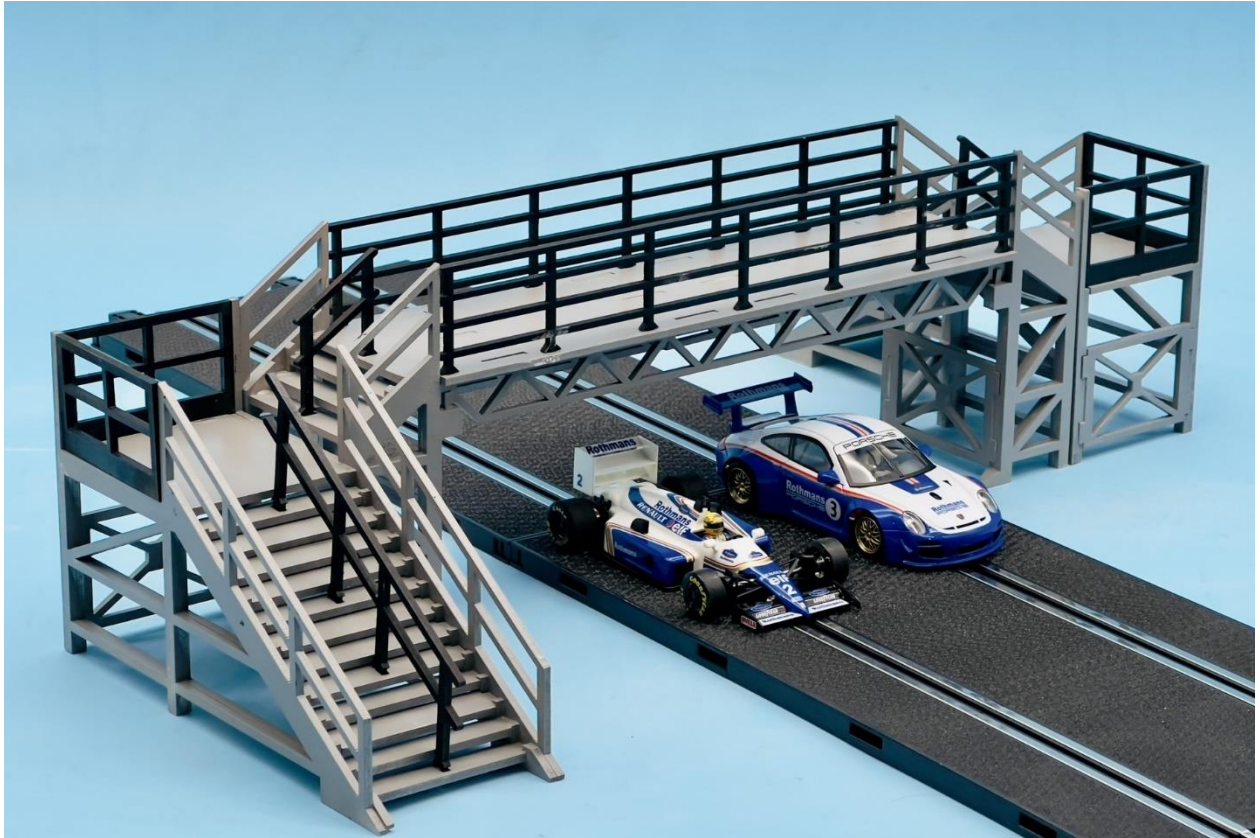
Please ensure that no paint clog a sleeve where a lug must fit in later. The tolerances are often so tight that too thick a layer of paint may cause problems. It is our experiences that a small foam roller instead of a brush, will produce a better finish and far less clogging of sleeves.

Applying a base or undercoat normally makes life easier afterwards. Two coats of primer are advisable because the MDF absorbs a lot of paint. Using a single colour for the undercoat of all parts works quite well from personal experience. You can choose the paint of your preference, whether it is oil or water based. Cleaning brushes and rollers are just so much easier if you use a water base paint. A chalk paste can give a unique finish to walls and give a weathered look if so desired. If you prefer to protect the paint work of your structure you can always apply a clear spray coat.

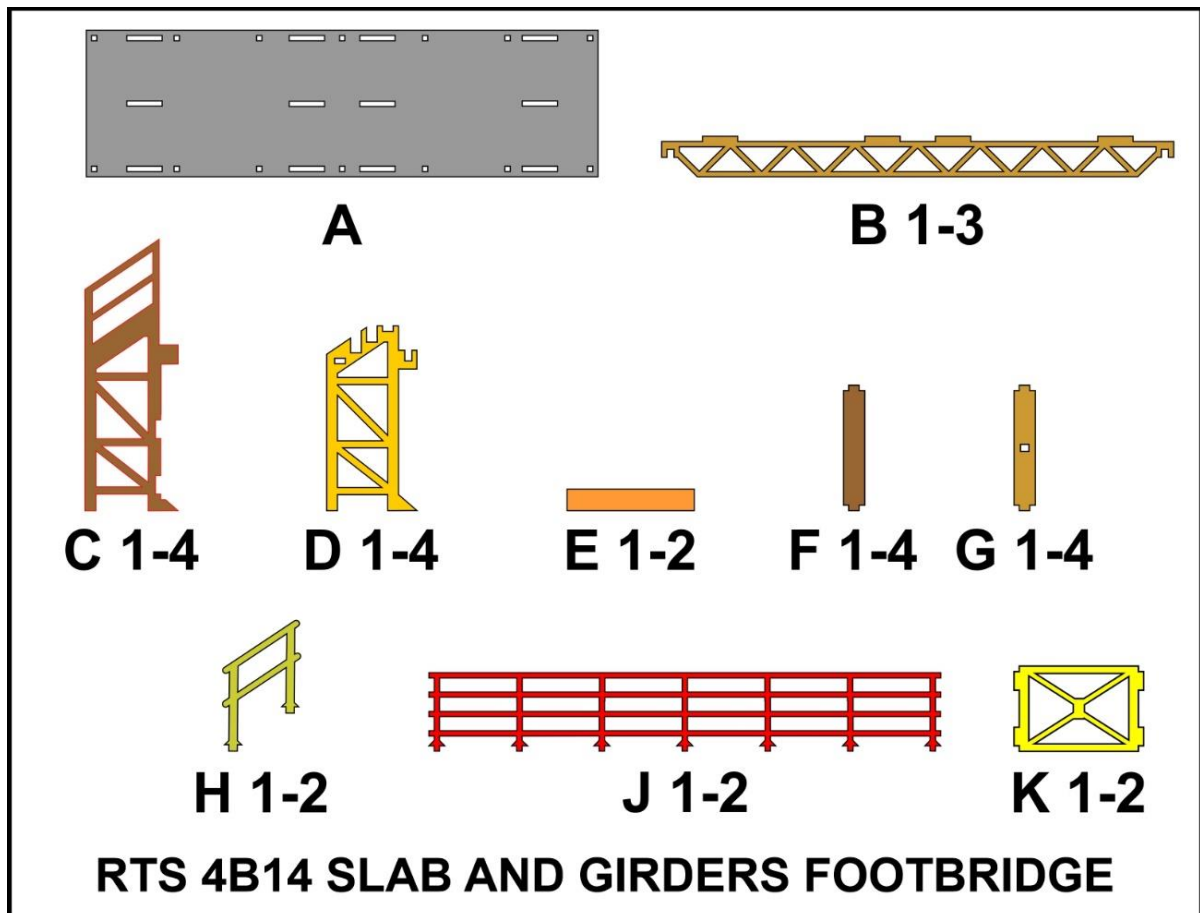
ASSEMBLY OF THE MAIN STRUCTURE

FAMILIARIZE YOURSELF

Have a look at a photo of a finished product with staircases.



Now have a look at the next diagram where all the laser cut parts of the main structure are shown and numbered from **A** to **K**.



The main bridge structure consists of a deck slab (**A**) and three girders (**B 1-3**) that rest on two support beams. On top of the deck slab are two safety railings (**J 1-2**).

Each support is made up of two leg girders (**C 1-4**). On the inside there are a further two more girders (**D 1-4**) that will support the steps and carrying beams. There are two carrying beams (**E 1-2**), four standard steps (**F 1-4**) and four steps with slots (**G 1-4**). The two handrails (**H 1-2**) will fit into the slots of the latter steps. Lastly there are two leg braces (**K 1-2**).

LET'S GET STARTED WITH THE ASSEMBLY OF THE MAIN STRUCTURE

Place the deck slab (**A**) on your worksurface. Now you can glue the four nubs of each of the three girders (**B 1-3**) into the slots in the deck slab (**A**) on your workbench. All that is needed for a proper sturdy assembly is some glue where any two parts touch each other. The lugs that fit into the slots stop any movement, but the glue holds all the parts together. The parts must therefore have glue where they touch another piece (only a little bit of glue is required). Gently press down on the

three girders to ensure a snug fit with the deck slab (**A**). Ensure that all the girders are plumb and square before the glue fully sets.

Next, the nubs of the two railings (**J 1-2**) can be glued into the slots near the long sides of the deck slab (**A**).

Next, you can assemble the two support structures. Put the one leg girder (**C 1-4**) on your work bench and glue one of the girders (**D 1-4**) to the top of the leg girder in such a way to ensure that they align perfectly. Now put the next leg girder (**C 1-4**), but in a mirror position, on your work bench and repeat the process above. You should now have two legs, but the second girder will be glued to the opposite sides so that the two girders with slots will face each other. Now you can assemble the second support structures in the same way. You should have two pairs now.

Put one pair of supports on your work bench and proceed to glue two of the steps with slots (**G 1-4**) in the top and bottom slots of the two assembled legs. You will notice that the bottom slot is the only closed slot. Glue in the step that fits in here first. Proceed to glue in two of the standard steps (**F 1-4**) into the two middle slots. Next the one leg brace (**K 1-2**) can be glued into the slots near the bottom of the legs. Now the second assembled side can be glued onto the nubs on the other side of the two steps and the leg brace. Turn your assembly upright and make sure everything is square and plumb.

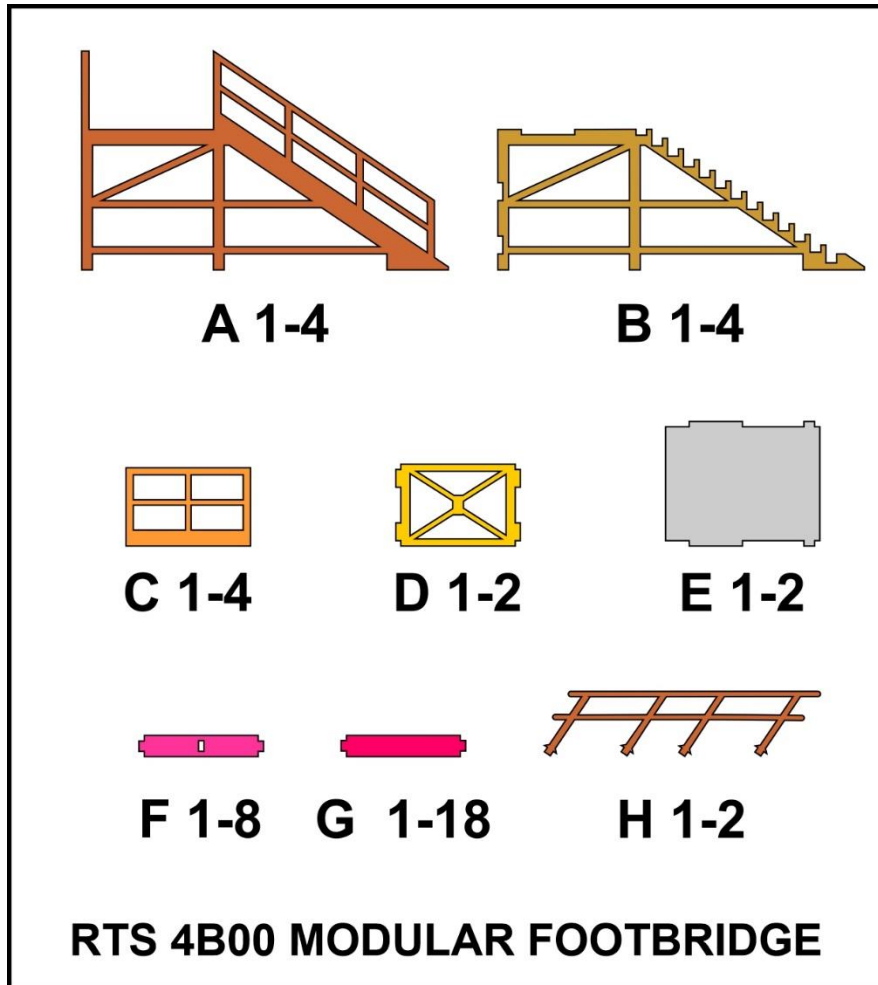
To complete this sub-assembly, you can glue in one of the two carrying beams (**E 1-2**) into the slot near the top of the leg on the higher side. The beam will protrude above the slot where it fits in. The three girders underneath the deck slab will hook onto this protruding part of the beam. The second support can now be assembled in the same manner.

The deck/girder/railings sub-assembly can now be hooked over the two carrying beams of the two support structures. It can be glued to give the total structure more stability, but that is really not necessary and is not advised to make future moving around your track easier.

ASSEMBLY OF THE MODULAR FOOTBRIDGE STAIRCASE

FAMILIARIZE YOURSELF

Now have a look at the next diagram where all the laser cut parts of the modular footbridge staircase are shown and numbered from **A** to **H**. We will identify each part and where they fit in.



There are two staircases in the kit. The pieces are identical, but through the placement of the gates (**C**), you can choose to have a straight on staircase or a left or right right-angle staircase.

Each staircase is made up of two outer sides (**A 1-4**) and two inner sides (**B 1-4**) that will support the steps and the landing. There are nine standard steps (**G 1-18**) and four steps with slots (**F 1-8**), as well as a landing (**E 1-2**) and two gates (**C 1-4**) for each staircase. The handrail (**H 1-2**) for each staircase will fit into the slots of the latter steps. Lastly there is a leg braces (**D 1-2**) for each staircase.

LET'S GET STARTED WITH THE ASSEMBLY OF THE STAIRCASES

Put the one outer side (**A 1-4**) on your work bench and glue one of the inner sides (**B 1-4**) to the top of the leg girder in such a way to ensure that they align perfectly. Now put the next outer side (**A 1-4**), but in a mirror position, on your work bench and repeat the process above. You should now have two completed sides, but the sides with the slots will be glued to the opposite sides so that the sides with slots will face each other.

Put one assembled side on your work bench and proceed to glue the nubs of two of the steps with slots (**F 1-4**) in the top and bottom slots of the assembled side. Proceed to glue the nubs of the landing (**E 1-2**) and leg brace (**D 1-2**) into their respective slots. Now the second assembled side can be glued onto the nubs on the other side of the two steps, the landing and the brace. Turn your assembly upright and make sure everything is square and plumb. Now the balance of the steps (**F 1-4**) and (**G 1-18**) can be glued in. NB Make sure that the steps with the slots line up with the legs of the handrail. The landing at the top of the staircase will have three open sides. Two of the gates (**C 1-4**) must now be glued in to leave the opening where it is required in terms of your configuration. The nubs of the handrail (**H 1-2**) can now be glued into the slots of the steps to conclude this assembly.

Except for a possible different gate configuration, the assembly of the second staircase will be identical

FINISHING & BRANDING

We leave the finishing to your imagination and your taste. Do whatever you think will transform this into a structure that will compliment your race track diorama.

CONCLUSION

We sincerely hoped you have enjoyed this assembly and finishing. Please remember to give us some feedback and either send or post some pictures of this product on your track.