

ASSEMBLY INSTRUCTIONS

RTS 4B9 SHELL 2 LANE PEDESTRIAN BRIDGE

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.

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.

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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.

In the kit you will also find some optional pre-cut artwork printed on matt photo paper. This can be used to brand your finished product.

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).

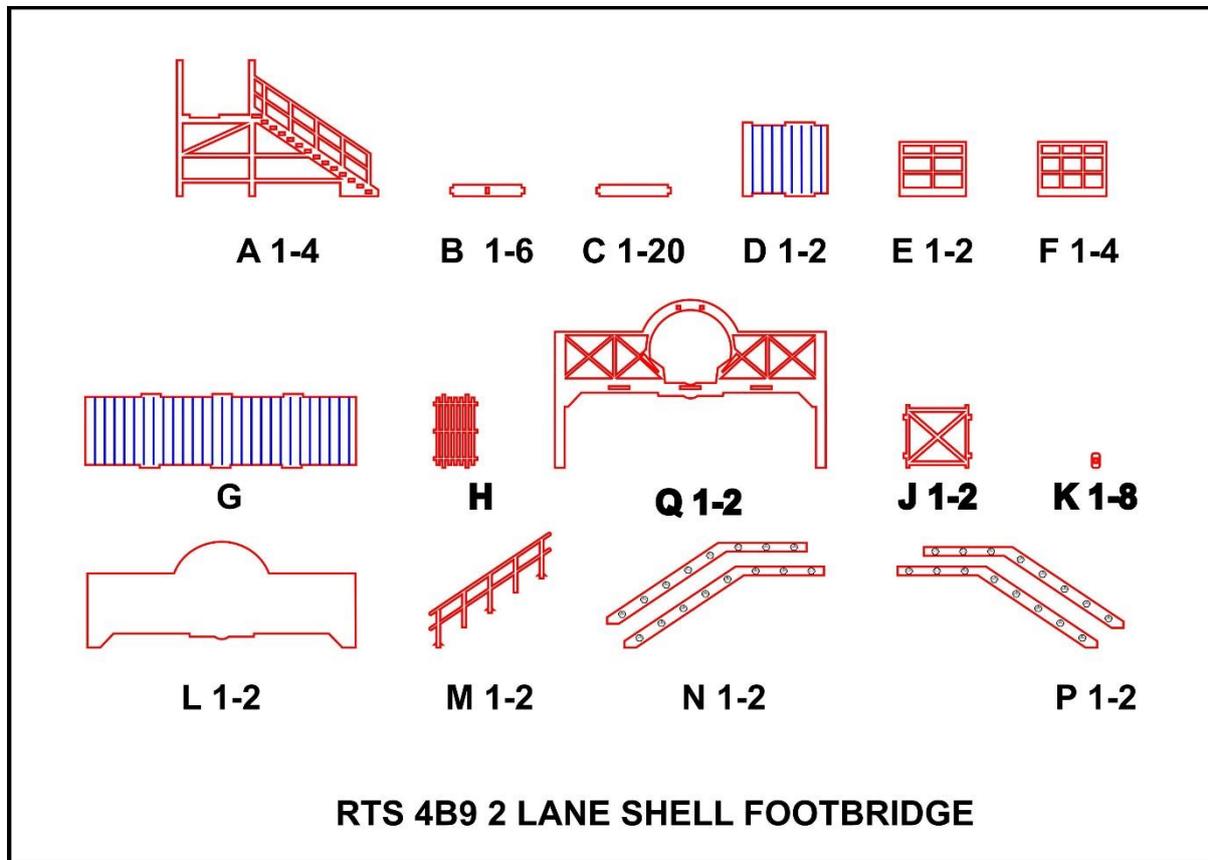
If parts must be at a right angle, you can use any object to assist you in obtaining a square finished product in the end.

FAMILIARIZE YOURSELF

Have a look at the photo of the finished product.



Now have a look at the next diagram where all the laser cut parts are shown and numbered from **A** to **Q** and try to identify which is which and where they fit in.



You will notice that the main bridge structure consists of two sides (**Q1-2**), two advertising boards (**L1-2**), a top brace (**H**), two leg braces (**J 1-2**), eight “shoes” (**K 1-8**) and a floor piece (**G**). Then there are two sets of staircases for accessing the bridge from the left and the right. Each staircase will use two sides (**A**), a floor (**D**), an end piece (gate) (**E**), two end pieces (gates) (**F**), three steps (**B**) and ten steps (**C**). Your configuration of the direction of the steps (straight, left or right) will dictate which of the end pieces (gates) you use (2 of **F** or **E**) and which one is superfluous. There is a handrail (**M 1-2**) for each staircase. Lastly you will find four engraved cover strips (**N 1-2**) and (**P 1-2**) that will cover the unsightly nub ends.

The staircases have been designed to be either straight-on or at a right angle to the main bridge structure. Depending on the positioning of the bridge on your track layout, you can choose the configuration that suits your track best.

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.

LET'S GET STARTED WITH THE ASSEMBLY

Place the one bridge side (**Q1**) on your worksurface. Select the floor piece (**G**) and glue the three nubs into the three corresponding slots in the bridge side (**Q1**). Proceed to glue the nubs at the one end of the top brace (**H**) into the slots at the top of the side (**Q1**). Ensure that the floor and top brace is square to the bridge side and apply some gentle pressure to ensure a snug fit. Allow the glue to set before you proceed to glue the opposite nubs of the assembled part into the other side (**Q2**). The next step is to glue the two leg braces (**J 1-2**) between the two side legs. To assist you there are eight "shoes" (**K 1-8**) that you must glue onto the nubs of the braces. These "shoes" will give you ample area to apply the glue to glue in the braces. The braces will ensure that your completed structure is stable and the legs well braced. Lastly you can glue the two advertising boards (**L 1-2**) to the sides of the completed bridge. You may choose to first fit the supplied artwork to the advertising boards before you glue them to the structure.

Next, we are going to assemble the two staircases. The assembly for both staircases are the same except for the choice of gates. Put the one side of the staircase (**A 1**) on your workbench. Keep ten of the steps (**C 1-10**), three of the steps (**B 1-3**) and one of the floors (**D 1**) handy. Proceed to glue the nubs of the one side of the floor (**D 1**) and 13 steps (**B 1-10**) and (**C 1-3**) into the corresponding slots of the side. Note that the threads must be in the following order: **C1, B1, B2, B3, B4, B5, C2, B6, B7, B8, B9, B10 & C3** to have the threads with the slots to match the legs of the handrail (**M1**). Ensure that the floor and steps are square to the side and allow the glue to partly set before you proceed.

Now for the trickiest part of the assembly, you must now glue this completed part of your staircase to the other side (**A 2**). You can consider to fit all the lugs loosely into the corresponding slots of the second side without applying any glue. It should now be easy to remove one after the other, glue it and replace it and then move on to the next one. It is advised to start from one end and work your way to the other end by matching lugs and slots one by one, almost like closing a zipper tooth by tooth.

At this stage, before the glue fully sets, it is important to assure that the whole structure is aligned and as square as possible. Apply some gentle pressure on the top side to ensure a snug fit. The structure can be supported and weighed down by any suitable object that will assist in keeping every part in position and square where applicable to allow the glue to set fully. You can use a brick, thick book, tin of food, or what-ever is available and suitable. The structure is fairly sturdy but do not apply too much pressure as parts may break.

The second staircase is assembled in exactly the same way.

Depending on your configuration of the direction of the two staircases, you must now choose 2 gates from (**E 1-2**) and (**F 1-4**) for each staircase and glue them into the openings at the top of the staircase. Please note that (**E**) and (**F**) differ in length and it is therefore advised to first do a dry fit before they are glued in. The two staircases can be different in the direction to the main bridge and you must fit gates accordingly.

Lastly, you can glue the engraved cover strips (**N 1-2**) and (**P 1-2**) to the four sides of the staircases.

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. We have included the branding that you have requested so that you can use it to finish your bridge with the livery of your choice. We recommend that you protect the branding with a clear spray.

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.