

ASSEMBLY INSTRUCTIONS

RTS 6G2 MODERN F1 START FINISH GANTRY SILVERSTONE

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 inspired by the structure that can be found on the present-day Silverstone Circuit in the UK. It is a really tall structure and for practical purposes we had to use some artistic freedom in designing this model.

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 pieces 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).

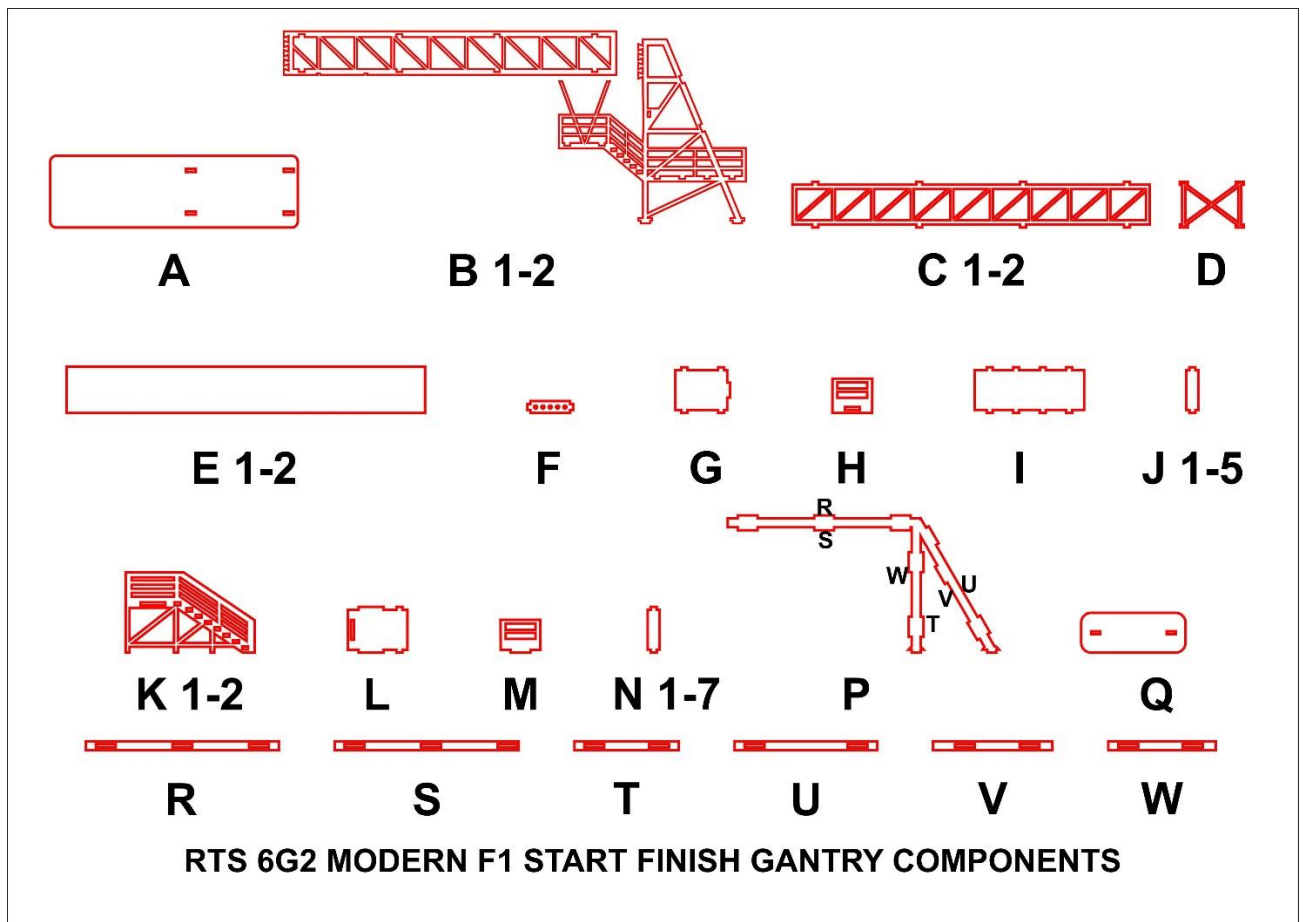
If parts must be at a right angle, you can use any object to assist you in obtaining a square finished product in the end.

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 **W** and try to identify which is which and where they fit in.



The complete model consists of three parts: the main gantry, the support structure on the right and the staircase in the middle.

You will notice that the main structure consists of two sides (**B1-2**), a foundation (base plate) (**A**), two horizontal frameworks (**C 1-2**), a cross brace (**D**) and a cross beam (**F**). (To limit the possibility of damage during shipping, the two sides have been broken in two pieces which must be glued together). There are two prominent advertising boards (**E 1-2**) one on each side. The starter's platform fits between the two main sides and consists of two floors (**G** and **I**), an end piece (**H**) and five steps (**J 1-5**).

The support structure on the right is a rather large I-beam construction and is made up of the web (**P**) and flanges (**R, S, T, U, V** and **W**). The beam connects to the cross beam (**F**) of the main structure and has an independent foundation (**Q**).

The staircase in the middle that connects to the starter's platform, is made up of two sides (**K 1-2**), a floor (**L**), an end piece (**M**) and seven steps (**N 1-7**)

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

Firstly, we are going to tackle the main gantry and start by gluing the parts of the two sides (**B 1-2**) together. Both of the sides were divided into two pieces, but finished with a dove tail joint to ease assembly and ensure an accurate fit. Allow the glue to set fully before you proceed.

Place the one assembled side (**B 1**) on your worksurface, as well as the two horizontal frameworks (**C 1-2**), the cross beam (**F**), the two floors (**G** and **I**) and the five steps (**J 1-5**).

Start by gluing the nubs of the two frameworks (**C 1-2**) into the corresponding slots of the side (**B 1**) that is lying on your workspace. Proceed to glue the one end of the cross beam (**F**), floors (**G** and **I**) and steps (**J 1-5**) into the corresponding slots of the side. Make sure that all the glued-in parts are perpendicular to the side and allow the glue to set. You can support the pieces till the glue is set.

Now for the trickiest part of the assembly. The other ends (lugs) of the two frameworks, cross beam, floors and the steps must now be glued into the second assembled side (**B 2**). The material of which this structure is made is slightly flexible and therefore it is suggested to only glue in the two frameworks (**C 1-2**) and allow the glue to set partially before you proceed to glue in the other parts. You will be able to bend the two sides slightly to fit in these other parts.

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. Remember to ensure that this part of the structure must be square before the glue sets fully.

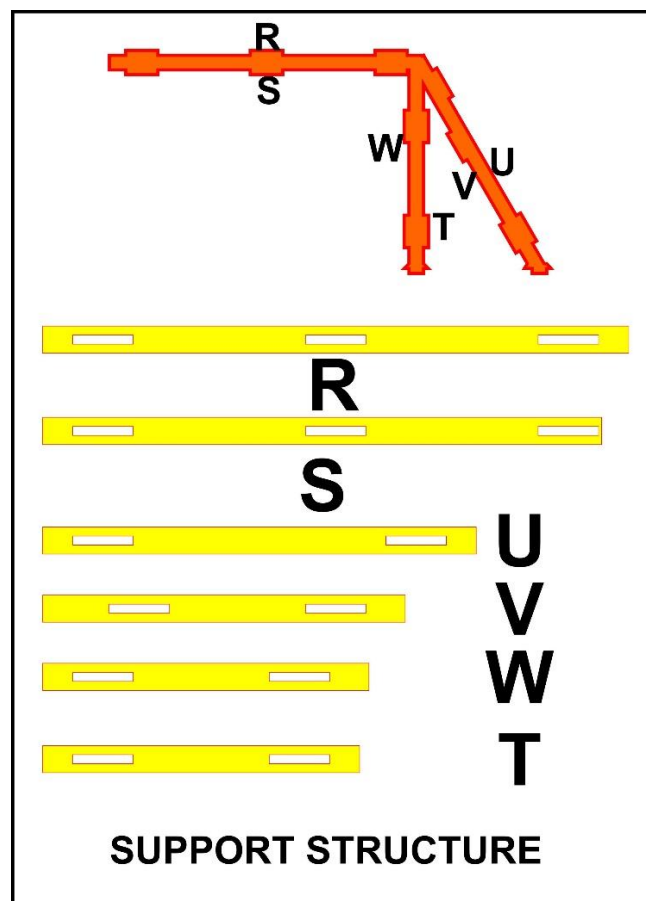
It is advised to start from one end and work your way to the other end by matching lugs and slots one by one, almost like closing a zipper tooth by tooth. For this specific structure it is advised to start with the two frameworks, then the cross beam, then the small top floor, the steps and lastly the larger floor. (Working from the top down in other words.)

Once all the lugs are snugly into their matching slots, it is time to apply some gentle pressure on the top side to ensure a snug fit.

At this stage, before the glue sets, it is important to assure that the whole structure is aligned and as square as possible. 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. 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 to much pressure as parts may break.

Now you can proceed to glue in the cross brace (**D**) and the end piece (**H**) which closes off the starter's platform. Once the glue is set you can proceed to glue the completed gantry to the foundation (base plate) (**A**). Once this glue has also set it is time to finish the main gantry by gluing on the two prominent advertising boards (**E 1-2**), one on each side.

Next, we are going to assemble the support structure. The flanges can be confusing because they all look alike, but the next sketch should help you to identify where each flange fits in. The pieces are also engraved with the reference shown here.



Have a look at the diagram with all the components. It clearly indicates where each flange fits to the web. All that needs to be done is to glue the different flanges (**R**, **S**, **T**, **U**, **V** and **W**) to the web (**P**). Allow the glue to set fully before the completed I-beam is glued to the base (**Q**).

Lastly, we will assemble the staircase.

Place the one side (**K 1**) on your worksurface and proceed to glue the nubs of the floor (**L**) and the seven steps (**N 1-7**) into the corresponding slots of the side. Allow the glue to set and proceed to glue the other nubs into the slots of the second side (**K 2**). Follow the procedure as described above for fixing steps. Lastly the end piece (**M**) can be glued in position.

You have successfully completed all three the elements of the Modern Gantry with a Starter's Platform!

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 some branding that you can use to finish your walkway with a present-day livery. 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.