

# ASSEMBLY INSTRUCTIONS

## RTS 2T15 REIMS-GUEUX LEADER BOARD

### 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 put hours of skill and more importantly love into our products 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 a replica of the Reims-Gueux Raceway Leader Board in France, dating back to the middle years of the previous century. The circuit was closed in 1972 and soon the buildings and structures started to deteriorate. An organization has started to restore and preserve many of the trackside buildings and structures and the restored leader board can be seen in the second photo below.

We believe that we have captured the ambiance of this iconic structure and is proud that we can also give it a second life on many a slot car trackside. We believe that this structure is one of the best replicas produced to date and a valuable contribution to the slot car diorama world.





## **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](http://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  
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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. 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 fit 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).

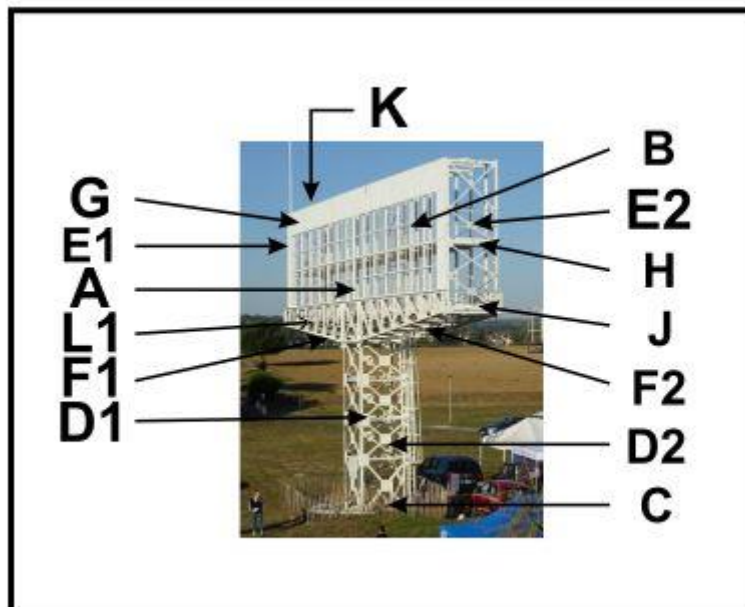
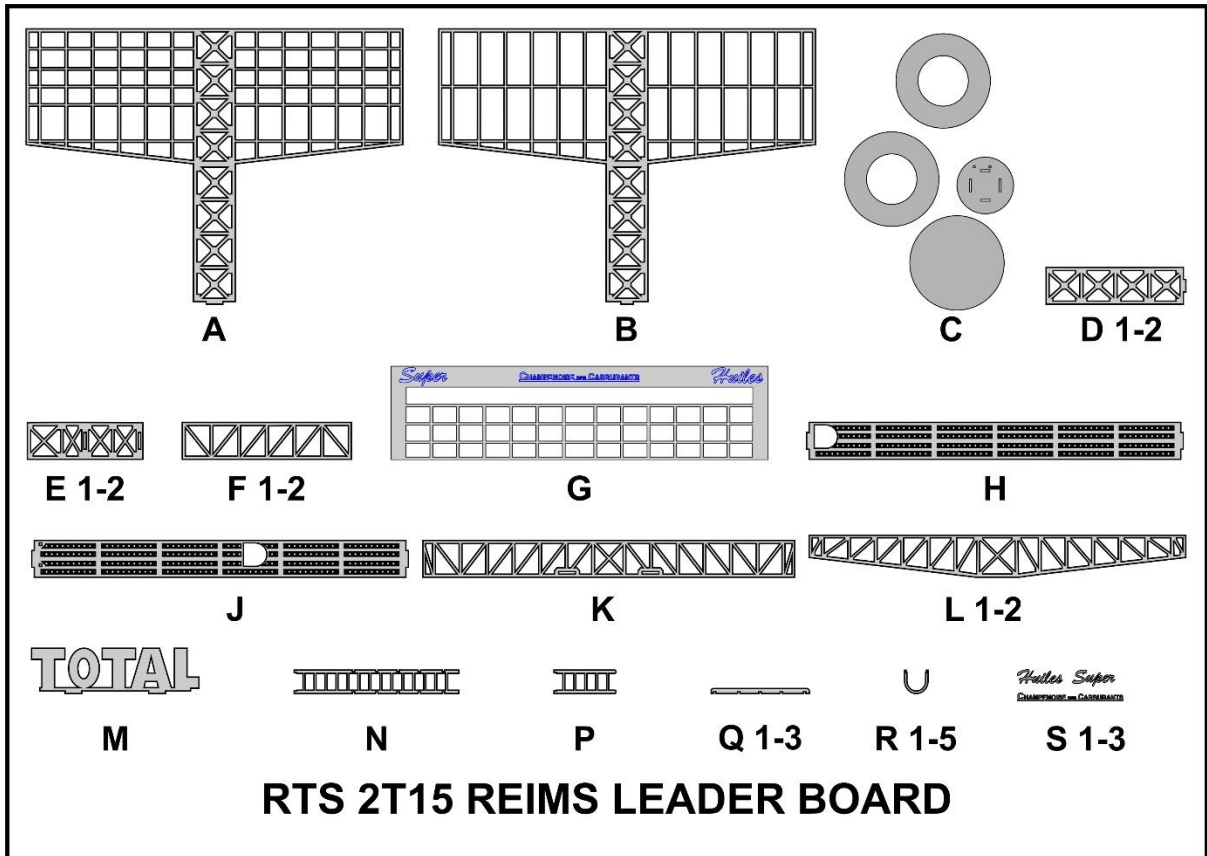
If parts must be at a right angle, you can use any object to assist you in obtaining a square finished product in the end.

## FAMILIARIZE YOURSELF

Have a look at a 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 **R**. The second diagram indicates which is which and where they fit in the structure.



The structure is made up of a front (A) and rear (B) girder on a foundation (C) and between them we find the columns sides (D 1-2), the side girders (E 1-2), the top girder (K), the two lower girders (F 1-2), as well as two catwalks (H) and (J). At the top front there is a frame (G) in front of the main girders. At a lower level there are girders in front and at the back (L 1-2). On top of the board is a "TOTAL" billboard (M). There is a ladder from the foundation to the first catwalk (N), with safety hoops

(**R 1-5**) and safety bars (**Q 1-3**). There is also a second ladder (**P**) from the first to the second catwalk. Lastly there are three pieces of wooden pre-cut artwork (**S 1-3**).

## **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 all the pieces 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

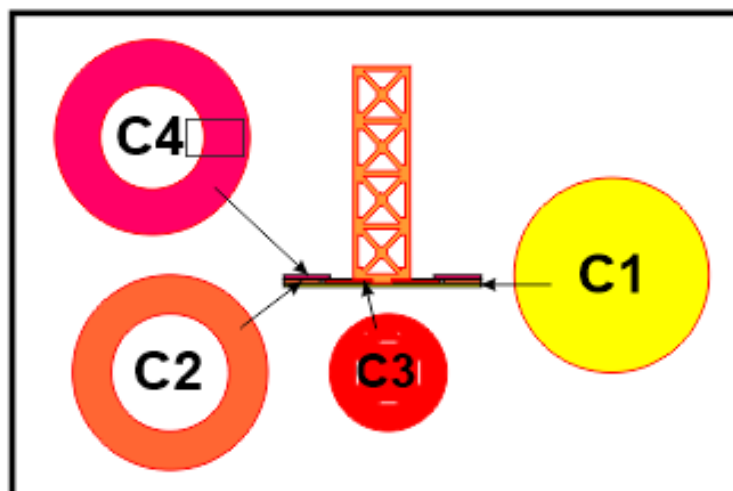
prefer to protect the paint work of your structure you can always apply a clear spray coat.

## LET'S GET STARTED WITH THE ASSEMBLY

We will start by gluing the two catwalks (**H**) and (**J**) to the two side girders (**E 1-2**). The girders must be oriented with a slot at the bottom. The nubs of the lower catwalk (**J**) must be glued into the lower slots of the two girders (**E 1-2**) and the nubs of the second catwalk (**H**) in the middle slots of the girders. The short ladder (**P**) must be glued into the slots in the lower catwalk (**J**) and the top of the ladder will stick through the hole in the second catwalk (**H**). **NOTE:** Ensure that the two catwalks are oriented to enable the assembly of this ladder. Next the top girder (**K**) can be glued at the top between the two sides. Ensure that the sub-assembly is square before the glue sets.

Lay down the main front girder (**A**) on your work surface and glue the sub-assembly to the girder. **NOTE** that the two slots in the top girder (**K**) must be on the side of girder (**A**). Next, the following pieces can be glued to the girder as well: the two column sides (**D 1-2**) and the two lower girders (**F 1-2**). 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 pieces must therefore have glue on the sides where they touch each other (only a little bit of glue is required). Allow the glue to fully set before you proceed. Gently press down on the pieces to ensure a snug fit with the main girder. **IMPORTANT:** Ensure that all the parts are plumb and square before the glue fully sets.

Once the glue has set, we can glue the rear girder (**B**) to the completed sub-assembly. Once the glue has set, we can glue the two additional triangular girders (**L 1-2**) to the front and back of the sub-assembly as can be seen on the photo above. Next the frame (**G**) can be glued to the front with the engraving facing forward. Once the glue has set the nubs of the "TOTAL" billboard (**M**) can be glued into the slots in the top girder so that the name reads from the front.



Next, we will construct the foundation (**C**) that allows the billboard to be rotated and glue the sub-assembly to the foundation. The solid circle (**C1**) goes on the bottom of the foundation and the circle with the bigger hole (**C2**) must be glued to the top of this. Next the circle with the smaller hole (**C4**) must be placed around the bottom column of the sub-assembly (this will be glued later) and the small circle with the slots (**C3**) must be glued to the nubs of the column. Apply some gentle pressure on the small circle to ensure a snug fit with the column of the main sub-assembly. Allow the glue to set fully. Now the main subassembly can be placed on the foundation so that the small circle (**C3**) at the bottom of the column fits into the round opening in circle (**C2**) in the foundation. NOTE: This is not glued as the small circle must be able to rotate in the hole. Now we will complete our sandwich construction by gluing the top circle(**C4**) to the top of circle (**C2**).

Now we can assemble the ladder that goes from the foundation to the first catwalk. The ends of the five safety hoops (**R 1-5**) must be glued to the open slots of the ladder (**N**). The vertical safety bars (**Q 1-3**) can be glued to the hoops. The open slots of the vertical bars must fit around the hoops. The nubs at the bottom of the ladder fits into the slots of the foundation (**C**) and the top of the ladder will stick through the hole in the lower catwalk (**J**). The ladder will rotate with the main structure.

Lastly the three pieces of wooden pre-cut artwork (**S 1-3**) can be glued to the frame (**G**). There are engravings to assist with the positioning of these pieces.

## **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 was used to finish the product in the photos above.

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.