

ASSEMBLY INSTRUCTIONS

RTS 2T3 DUNLOP LEADER BOARD NURBURGRING

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 tower at Nürburgring in the golden years of racing and can be described as an iconic trackside structure. We believe that this tower will enhance any slot car 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 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.

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. 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).

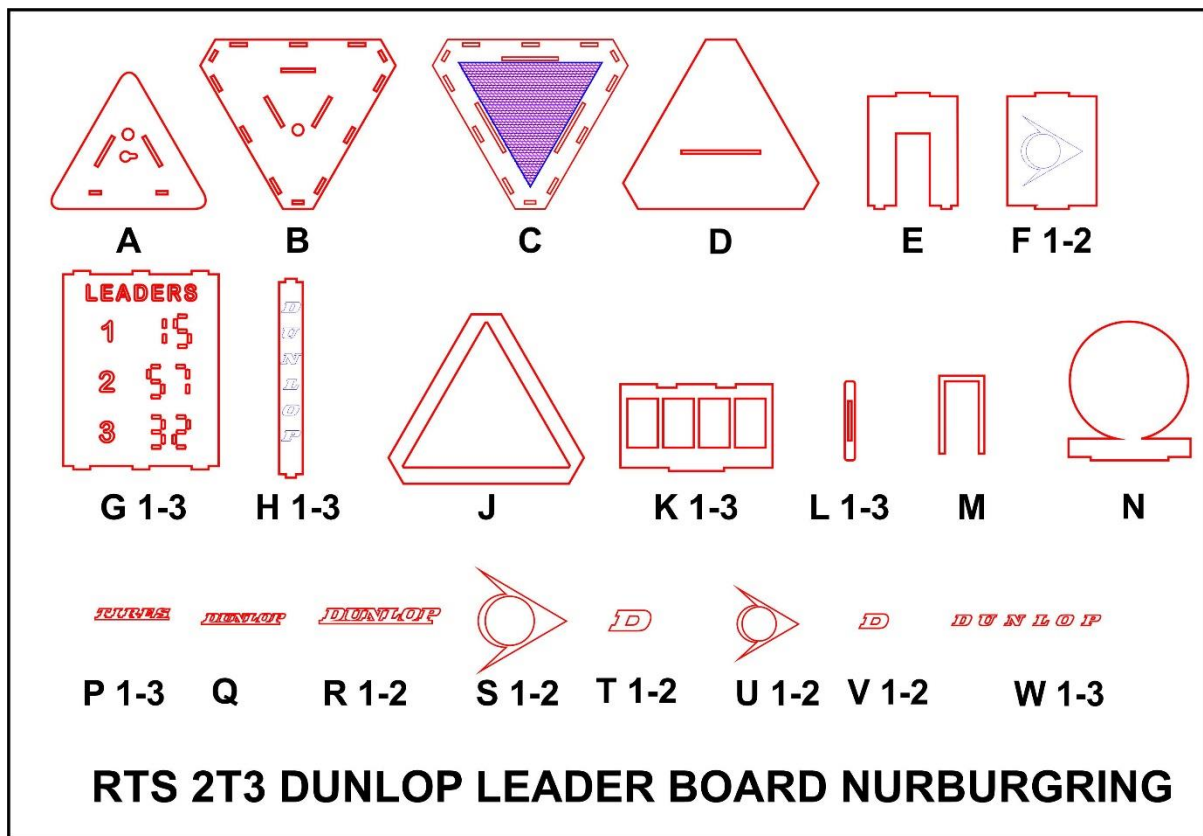
If parts must be at a right angle, you can use any object to assist you in obtaining a square finished product in the end.

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



The structure has three level at the bottom is a base plate (**A**), the next level is floor (**B**), then the engraved floor (**C**) and on top the roof (**D**). The walls of the bottom level are (**E**) and (**F 1-2**). The walls of the middle level are (**G 1-3**), as well as (**H 1-3**). The walls of the top floor are (**K 1-3**). On top of floor (**C**) is a ring beam (**J**). On top of walls (**K**) are three slotted pieces (**L 1-3**). The door opening on the ground floor has a door frame (**M**). On top of the roof is a Dunlop sign which is made up from pieces (**N**), (**R 1-2**), (**S 1-2**) and, (**T 1-2**), Below the window openings in wall (**K 1-3**) there are the words TIRESE, pieces (**P 1-3**). Above the door on the ground floor is piece (**Q**). On two of the ground floor walls there are a logo made up of pieces (**U 1-2**) and (**V 1-2**). On the walls (**H 1-3**) there are the letters spelling DUNLOP, pieces (**W 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 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

NB This product really lends itself for some lighting on the inside. You may have noticed this from the photo above. We have left some holes in the floors for you to feed the wires through. If you want to go this way, you will have to install your electricity circuit as you go along with the assembly. Some parts of the structure will not be accessible once the assembly is completed!

TOP SECTION

The ground floor is smaller than the top floors, which make the structure unstable during assembly. We will therefore suggest an upside-down approach. Start by gluing the three slotted pieces (**L 1-3**) to the nubs at the top of the three walls of the top floor (**K 1-3**). Next, we can glue these walls onto the engraved middle floor (**C**) by fitting the lugs into the slots. The engraving must face upwards in the final structure. Apply some glue where these walls touch each other and apply some gentle pressure to ensure a snug fit. **NB:** Next we must glue the ring beam (**J**) onto the protruding part of the floor (**C**). The main function of this piece is to hide the slots where the lower walls fit in. Put the roof (**D**) on your workbench and glue the completed section of walls and floor to the roof. The slotted pieces that were glued on first will give ample area to apply the glue. The completed section must be centred to the roof. Make sure that everything is square to ensure an upright structure. Apply moderate pressure to ensure that these parts fit snugly and weigh down the structure and allow the glue to set fully before you proceed.

MIDDLE SECTION

We can now proceed with our upside-down assembly by gluing in the walls of the middle level, pieces (**G 1-3**), as well as (**H 1-3**). The lugs at the top of these walls must all fit into the bottom of the engraved floor which should be the top of the assembled section. Pay attention to ensure the walls are all the right way round when the final structure is turned around. Again, apply some glue where these six walls touch each other and apply some gentle pressure to ensure a snug fit. Before the glue fully set, we can glue floor (**B**) to the nubs of the walls which will face upwards. Make sure that everything is square to ensure an upright structure. Apply moderate pressure to ensure that these parts fit snugly and weigh down the structure and allow the glue to set fully before you proceed.

BOTTOM SECTION

We can now proceed with our upside-down assembly by gluing in the walls of the lower level, pieces (**E**), as well as (**F 1-2**). The lugs at the top of these walls must all fit into the bottom of the floor (**B**) which should be the top of the assembled section. Again, apply some glue where these three walls touch each other and apply some gentle pressure to ensure a snug fit. Before the glue fully set, we can glue the base plate (**A**) to the nubs of the walls which will face upwards. Make sure that everything is square to ensure an upright structure. Apply moderate pressure to ensure that these parts fit snugly and weigh down the structure and allow the glue to set fully before you proceed.

FINAL PIECES TO ASSEMBLE

Essentially the structure is complete and we only need to glue on some branding. From here on we can keep our tower upright as we have completed the upside-down phase of assembly.

Firstly, we can assemble the sign that will fit on top of the roof. Have a look at the photo above for some guidance. The sign is double sided and looks the same from

both sides. Glue pieces (**R 1-2**), (**S 1-2**) and (**T 1-2**) to piece (**N**). Please note that pieces (**S & T**) are bigger than pieces (**U & V**) that looks the same. Allow the glue to set before you glue the assembled sign to the slot in the roof.

Next, we can glue the door frame (**M**) in position around the door opening on the ground floor. Above the door piece (**Q**), reading DUNLOP, can be glued on. On the other two ground floor walls (**F 1-2**) there are logos made up of pieces (**U 1-2**) and (**V 1-2**). These can be glued on next. The engraving will assist you in this process to position the logo pieces.

Below the window openings in all three walls of the top level (**K 1-3**) pieces (**P 1-3**), reading TIRES, can be glued on

Lastly, we can glue on the letters spelling DUNLOP, pieces (**W 1-3**), to the narrow walls (**H 1-3**). You will notice that there are some engravings to assist you in this process.

Congratulations, you have successfully assembled one of the more complex structures in our range of trackside structures and buildings!

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.