

ASSEMBLY INSTRUCTIONS

RTS 3P1 QUAD DE LUXE PIT BUILDING WITH OWNERS BOX

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 SHELL VIP PLATFORM at Monza Speedway in the golden years of racing. This is as close to a replica in terms of design and branding as could be achieved with only one photo of the original structure to work from.

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. 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).

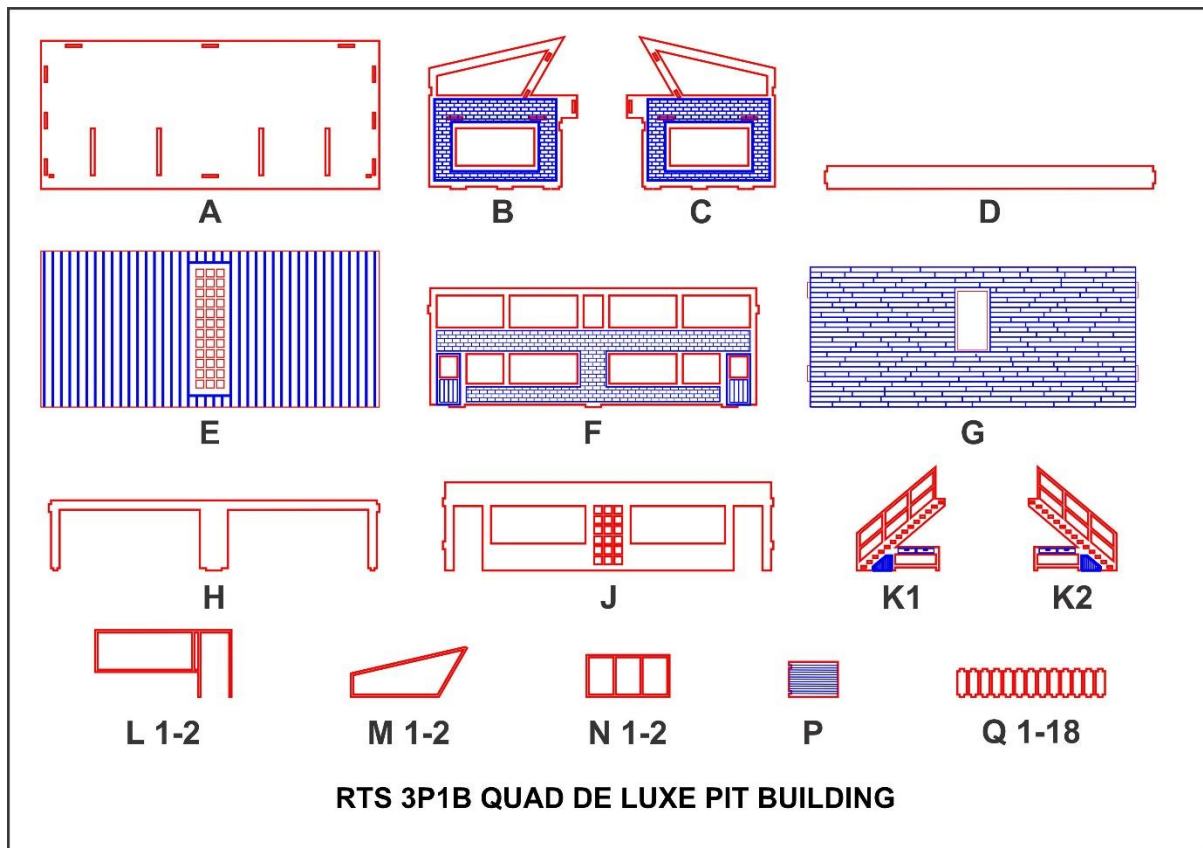
If parts must be at a right angle, you can use any object to assist you in obtaining a square finished product in the end.

FAMILIARIZE YOURSELF

Have a look at the photo of the finished product.



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



Notice the two side walls (**B**) and (**C**), the front wall (**H**) and the rear wall (**F**) that all fits into the floor (**A**). There is a middle floor (**G**) and a top front wall (**J**) that fits into the middle floor. The roof is marked (**E**) and a beam for branding (**D**) fits between the side walls in the front. There is an internal staircase which is made up of two sides (**K1 & K2**) and steps (**Q 1-18**). On the staircase structure is a workbench (**P**). Lastly, we find some window frames (**L 1-2**), (**M 1-2**) and (**N 1-2**).

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

It is best to start with the assembly of the internal staircase. Put one side of the staircase (**K1**) on your work surface with the engraving facing downwards and glue nubs on one side of the threads (**Q 1-18**) into the slots of the side of the staircase. Next, you can consider to fit all the lugs on the other end of the treads loosely into the corresponding slots of the second side (**K2**) without applying any glue. It should now be easy to remove one after the other nub, 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. 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. To finish this sub-assembly, you can glue the top of the workbench (**P**) to the nubs on the lower horizontal part of the legs with the engraving facing upwards. At this stage, before the glue sets, it is important to assure that the whole step ladder is aligned and as square as possible. You can set this sub-assembly to one side to allow the glue to fully set.

Next you can place the side wall (**B**) on your worksurface. Select the upper floor (**G**), upper front wall (**J**), the rear wall (**F**) and the front beam (**D**). Remember to have the engraving on the upper floor (**G**) to face towards the roof side and the opening for the staircase must be towards the back of the building. The engraving on wall (**F**) must face outwards. Start by gluing the lugs of (**B**), (**G**), (**J**) and (**F**) into the slots in wall (**B**).

Now you must glue the lugs on the other ends of parts (**B**), (**G**), (**J**) and (**F**) into the slot of the other side wall (**C**). Turn the glued parts around so that all the lugs face downwards. Place the wall (**C**) on your work surface and then fit the 4 pieces loosely without 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. Gently press the two side walls together to ensure a snug fit. Before the glue fully sets this assembled structure can be glued to the floor (**A**) by gluing the lugs into the slots in floor (**A**). **NB:** Now the sub-assembled staircase can be positioned inside the partly assembled building before the floor is glued to the top part. Apply some gentle pressure to get a snug fit and ensure that that your structure is square and upright. Now you should allow the glue to fully set before you proceed to the next step.

Next, you can glue the lower front wall (**H**) and the roof (**E**) into place. The engraving on the roof must face upwards. Lastly, we can glue the door and window frames (**L 1-2**), (**M 1-2**) and (**N 1-2**) into place. Frames (**L 1-2**) fits onto wall (**J**), frames (**M 1-2**) fits around the higher windows on the side walls (**B**) and (**C**), while frames (**N 1-2**) fits around the lower windows on the side walls (**B**) and (**C**).

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 pre-cut branding that can be used to finish your structure. 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.