

# **ASSEMBLY INSTRUCTIONS**

## **RTS 4B23 HISTORIC ORAN PARK VEHICLE 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 put hours of skill and more importantly love into our 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.

Oran Park Raceway was a motor racing circuit near Sydney, New South Wales, Australia and was operational from 1962 until 2010. The track, like many other around the world, was sacrificed for urban development. The Grand Prix circuit featured a figure-eight shape with a bridge where the track crossed over itself. Oran Park was used regularly for rounds of the Australian Touring Car Championship, V8 Supercar Championship Series, Australian Drivers' Championship and Australian Sports Sedan Championship. The F1 Australian Grand Prix was also held at Oran Park in 1974 and 1977.

One of Oran Park's most notable features was the fact it was the only circuit in Australia – and one of only a few in the world – that had a crossover. The iconic Oran Park Bridge (demolished to make room for the new development) added to the natural elevation changes of the circuit. The massive steel superstructure that arched above the road – more often than not supporting sponsorship from a major tyre brand like Dunlop or Yokohama – was welded together and not bolted. This was allegedly the work of the Army Corps of Engineers.

The scaled design started off as a replica project and the finished product will unmistakably be recognized as the epic bridge from years gone by. The lattice stays between the two tyre-sides, as constructed by the ACE, was too much of a challenge for the scaled construction method and ended up in the “inspired by” category. We believe that this product will give the grand old bridge a second life on the slot car tracks of many an Aussie, but also on the tracks of enthusiasts around the world. We believe that this structure can be 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 (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 nubs 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.

## **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

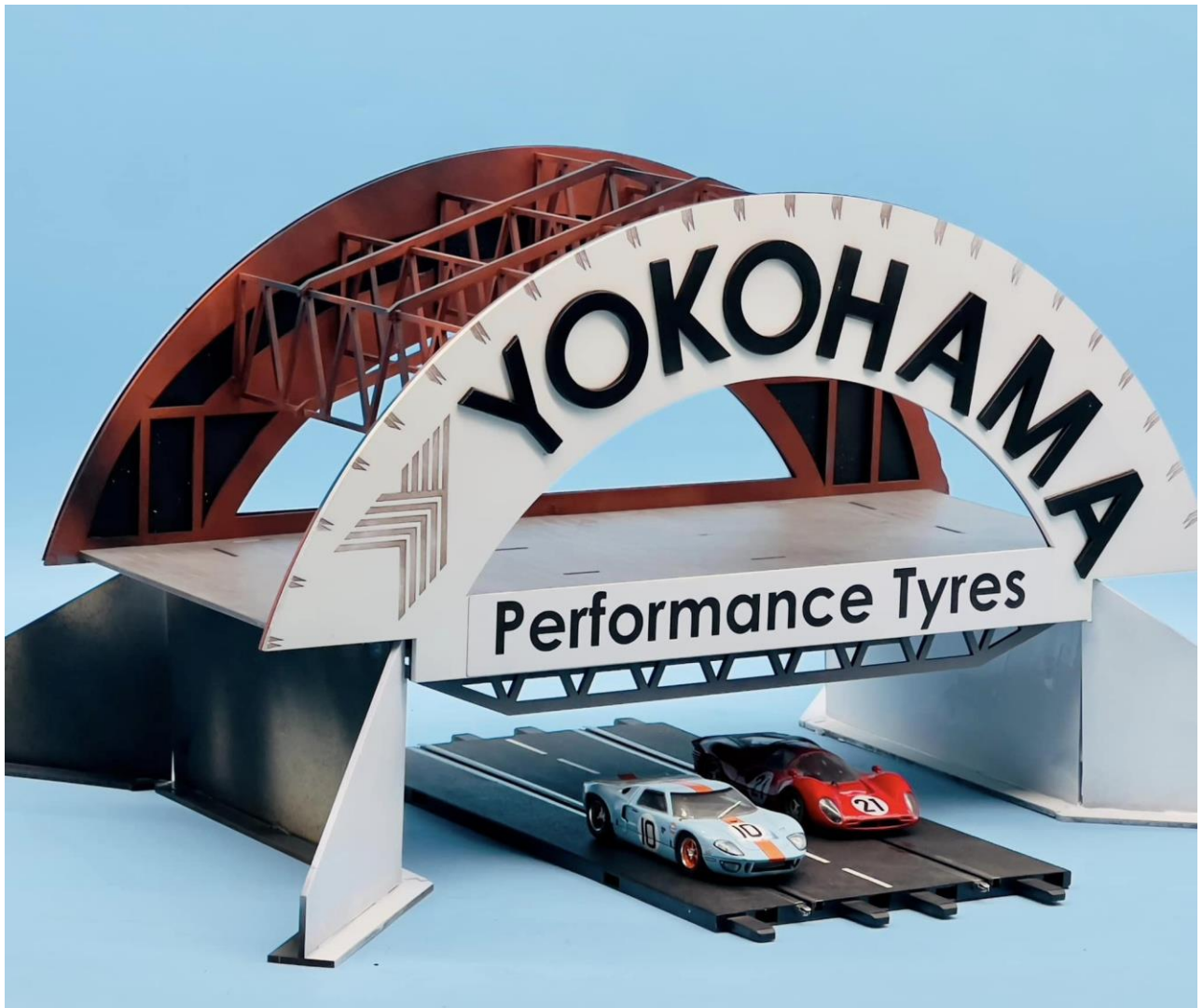


our experiences that a small foam roller instead of a brush, will produce a better finish and far less clogging of sleeves.

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.

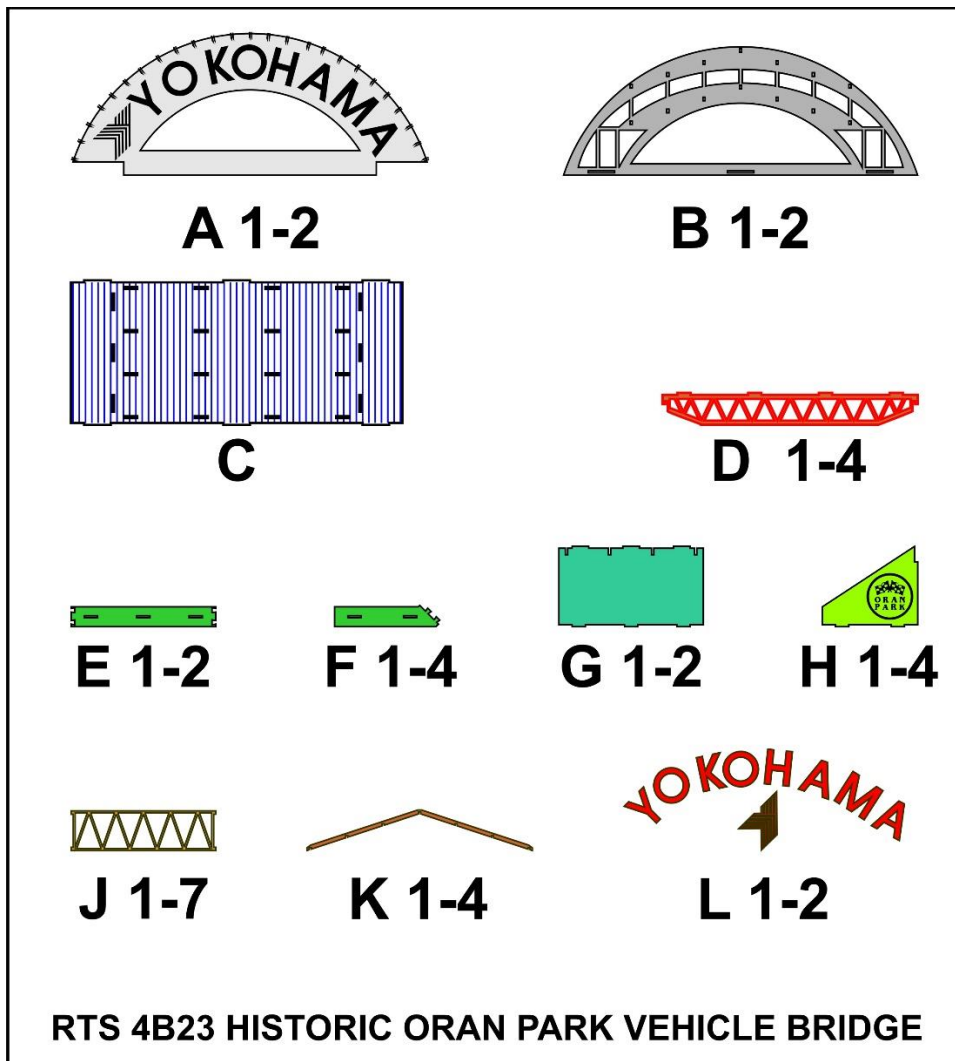
## **FAMILIARIZE YOURSELF**

Have a look at two photos 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 **L**. We will identify each item and where they fit in.



The bridge structure consists of two sides (**A 1-2**) and two inner skins for the sides (**B 1-2**). The bridge deck (**C**) is supported by four beams (**D 1-4**). The foundation is made up of six pieces, (**F 1-4**) and there are two buttress walls (**G 1-2**) and four wing walls (**H 1-4**) that fits into the foundations. The bracing between the two bridge sides is made up of seven lattice stays (**J 1-7**) and 4 bracing beams (**K 1-4**). The engraved artwork on the two sides is supplemented with two sets of lettering and a logo (**L 1-2**).

## **LET'S GET STARTED WITH THE ASSEMBLY**

First you should lay the bridge deck upside down on your workbench and then glue the nubs at the top of the four bridge beams (**D 1-4**) into the slots of the bridge deck. Next you can glue the nubs of the two buttress walls (**G 1-2**) into the slots in the bridge deck. The hooks of the bridge beams will fit into the slots of the buttress walls. You can also glue the two foundations (of the buttress walls) (**E 1-2**) to the buttress walls. Continue by laying down the one inner skin (**B1**) on your workbench. Proceed to glue the nubs of bridge deck (**C**) and the lattice stays (**J 1-7**) into the slots of the inner skin. The lattice stays can be seen on the second photo. Proceed to glue the nubs on the other ends of the bridge deck and the lattice stays into the slots of the other inner skin (**B 2**). Next you can glue the four bracing beams (**K 1-4**) into place. They fit over the lattice stays and their position can be seen on the second photo above. To complete the superstructure, you can glue the two sides (**A 1-2**) to the outside of the inner skins with the engraving facing outwards. Ensure that they align neatly. Next the nubs of the four wing walls (**H 1-4**) can be glued into the slots of the four foundations (**F 1-4**). The foundations of the wingwalls interlock with the foundations of the main bridge. The foundations of the buttress walls and the wing walls can be glued together if you so wish. Lastly the two sets of lettering and logos (**L 1-2**) can be glued to the bridge sides. The engraving on the side will assist you in this.

You have successfully assembled your bridge.

## **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 branding so that you can use it to finish your bridge to look as the original bridge on the photo above. We recommend that you protect the branding with a clear spray.

The included pre-cut branding looks as follows:

# Performance Tyres

# Performance Tyres

## **CONCLUSION**

We sincerely hope 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.