

Assembly instructions for wheel set

Kit contents:

Laser cut balsa wheel parts

Laser cut ply wheel parts

Neoprene cord

Piano wire (for aligning parts)

Carefully cut the parts from the sheets and sand of the tabs. Be careful when handling the balsa wheel as it is quite fragile.

Do NOT use CA glue for assembly of the balsa and plywood parts. It does not give you sufficient time to position the parts. PVA or Aliphatic Resin is recommended.

Smear glue on both sides of the balsa wheel. Use a pin to apply. You can also apply slightly thinned PVA with a fine paint brush. Use the piece of wire to help align the ply wheels onto the balsa wheel. Make sure the "dirty" side faces inwards. The ply should be mounted with the grain direction 90 degrees apart for optimal strength. Once properly aligned leave to dry. The small discs supplied with the kit can be glued to one or both sides of the wheel to strengthen the hub.

Cut a 45mm length of neoprene cord. Make sure the ends are cut straight – a sharp scalpel is best. Add a tiny droplet of CA glue to one end of the cord. Checking carefully for alignment, join the ends applying gentle pressure. Wait a couple of seconds for the glue to set. You now have a tire for the wheel. The tire will be a snug fit on the wheel but should be glued in place. Again, do NOT use CA glue unless you have a very thick, slow curing CA available. A contact type adhesive like UHU POR brushed onto the rim works well.

You can improve the looks of your wheels by giving applying a light spray of silver paint before attaching the tires.