

BILLY CART

Balsa Kit Project



PART LIST

Part	Quantity	Size
Back Wheels	2	50mm
Front Wheels	2	30mm
Back Axle Covers	2	6.5 x 25 x 145mm
Front Axle Covers	2	6.5 x 25 x 112mm
Front Axle	1	5mm round x 129mm
Back Axle	1	5mm Round x 162mm
Hub Caps	4	Circle 3 x 20mm
Centre Chassis	1	6.5 x 25 x 210mm
Seat Base	1	3 x 100 x 140mm
Seat Back	1	6.5 x 25 x 100mm
Seat Sides	2	6.5 x 25 x 133mm
Split Pin	1	40mm

Quantity specified is per model

Sizes may change without notice

Complete Your Collection

Square Rigger Ship	Ancient Ruins
Early Settlers Hut	Mosque
Miners Hut	Church
Mine Shaft	Bi-Plane
Passenger Liner	Tree House
Old Outhouse	Insect
Castle	Billy Cart



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TIP : Lay all the pieces out and label them before cutting or gluing.

1. Lay out the Front and Back Axle Covers with the slots facing up. Then centrally place the Front and Back Axles in two of the slots using the short Axles in the short Axle Covers etc.

2. Carefully Glue the Axle Covers over the Axles using a thin bead or dots of glue either side of each Axle. The Axles should be able to spin in their Covers. (If you do glue the Axles to the Axle Covers don't worry – the Wheels will still turn).

3. Glue one end of the Centre Chassis to the top and middle of the longest Axle Cover – finishing the end of the Centre Chassis flush and at right angles to the side of the Axle Cover to form a "T" shape. Glue the two Seat Supports up against and either side of the Centre Chassis and along the Axle Cover.

4. Along a narrow edge - glue the Seat Back on top of, and along one of the short sides of the Seat, making sure it finishes flush on the ends and edge. Then glue the two Seat Sides in place up against the back and flush to the edges of the Seat.

5. Now glue the Seat on top of the Chassis, Seat Supports and Rear Axle Cover by centring it and letting the back over hang the Rear Axle Cover by approximately 20 mm.

6. Centering the front of the Centre Chassis over the middle of the front Axle Covers – carefully press the Split Pin to enable the Billy Cart to be steered.

7. Put the Large 50 mm Wheels on both sides of the longest (Rear) Axle and carefully glue the hub Caps to the ends of the Axles making sure not to glue to the Wheels. Now do the same for the Small (Front) Wheels.

NOW YOU ARE READY TO RACE!

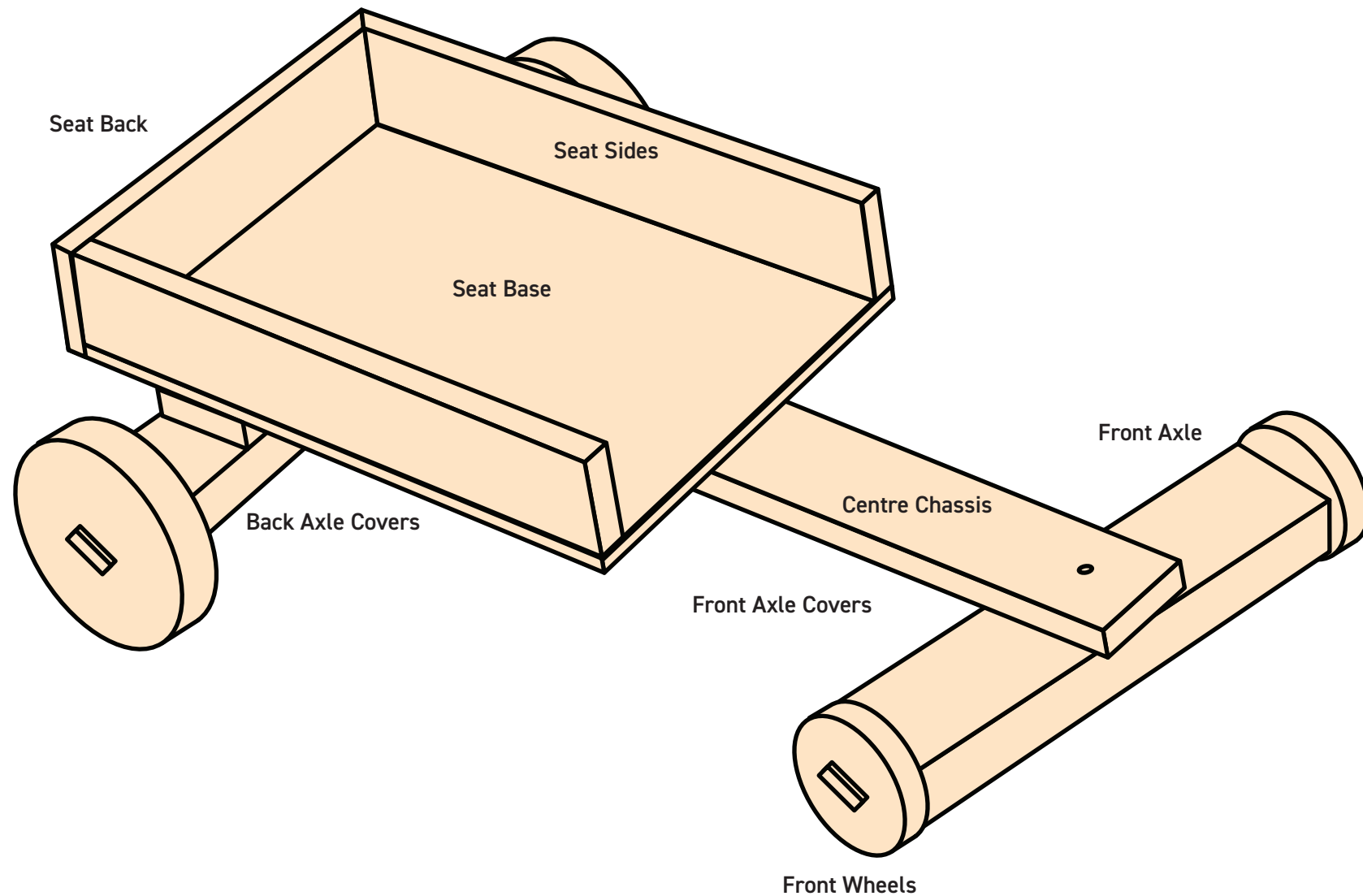
Ideas for Decorating:

- Design and paint a racing colour scheme including a number for your Billy Cart.
- Make a driver out of wood or other craft material to race your Billy Cart
- Add string to either side of the Front Axle Cover for a steering rope.
- Draw tyres and spokes on your wheels.
- Make a braking system to slow and stop your Billy Cart.
- Make a motor to turn your Billy Cart into a Go Cart.



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