

Technical Specifications

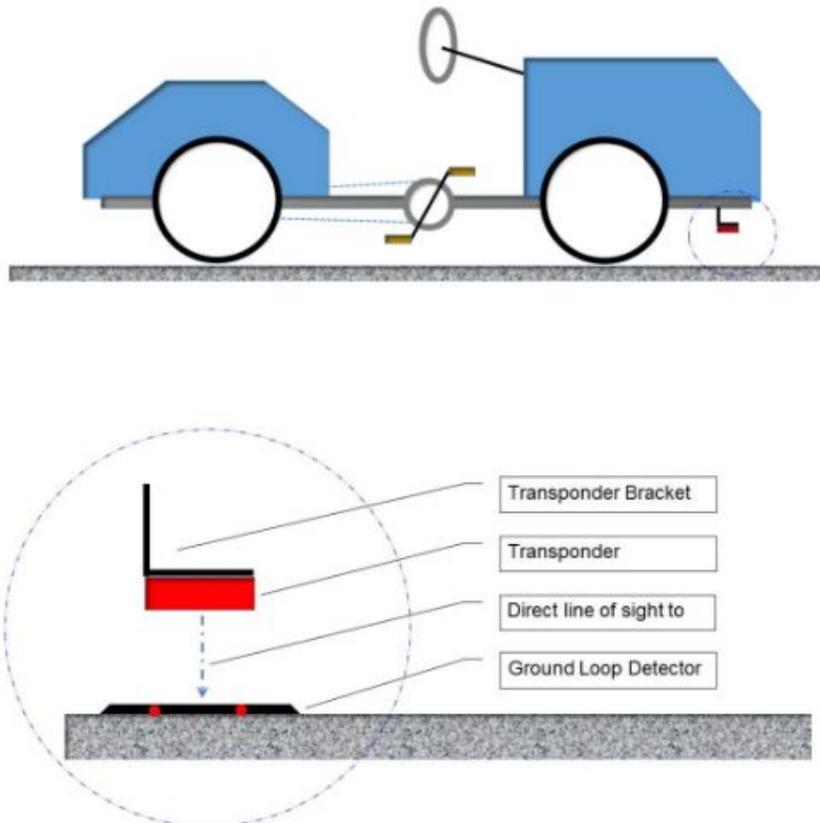
Transponder Bracket

The transponder will be given to each team at the sign in desk in exchange for £20 cash deposit, the pedal car with transponder is to be taken to the market place start to finish line where the lap counting team will fix and test your transponder.

It is very important to know that the transponder only works when it has Direct Line of Sight to the ground!

If the transponder is fixed above metallic objects it will not be send a signal down to the ground loop and therefore laps will not be counted.

The easiest way to manage this is to fix a bracket to your Pedal Car so that the box can be cable tied to the bracket.



Basic Characteristics

The cars shall be single seaters, driven solely by leg power. Overall maximum length = 3000 mm. Overall maximum width = 1125 mm.

Mechanical Characteristics

Number of wheels = 4

Steering wheels at the front

Drive on 1 or 2 wheels

Minimum distance between the wheels = 500 mm

Maximum rim diameter = 500 mm

Steering - The ability to turn through 90 degrees in a road of minimum width of 3.5 metres.

Crank gear - The axle must be at the same height, within 30 centimetres (1ft) as the top of the seat, including cushions (i.e. the driver position must be seated as in a car with the pedals ahead of the seat. The pedals should not be below the seat as on a bicycle).

Effective brakes are OBLIGATORY and MUST brake on a minimum of 2 wheels. Brakes may be independently operated as long as they can be operated simultaneously.

No protruding spindles from side of wheels (on safety grounds).

Bodywork/Covering

By the bodywork is meant original shape or covering, weather resistant, (own choice of material) and covering the vehicle. The bodywork must have no protrusions or sharp edges and must be securely attached to the car. The car race number should be displayed prominently on the bodywork so that it is clearly visible to the front, rear and Sides.

Lighting and horns are optional. A rear view mirror is also optional and no longer obligatory. Cars should have a safe and secure space on the chassis within 10 inches (approx axle height) of the ground to mount (with cable ties, tape or velcro) a lap counting transponder. Assume a transponder size approximately that of a cigarette packet and there should be no metalwork between the mounting and the ground.

Wearing of crash helmets is OBLIGATORY.