

# Transpondors & Brackets

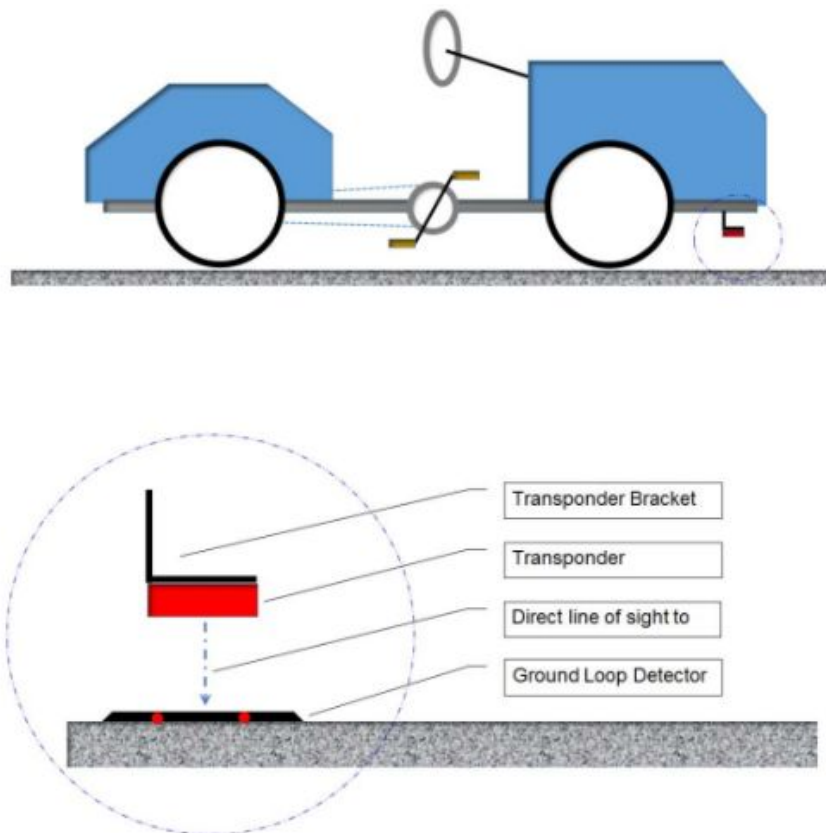
## Transponder Bracket

The transponder will be given to each team at the sign in desk in exchange for £25 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.



### Transponder Faults

When teams suffer transponder problems they lose laps because the lap counting system fails to count their laps. In an effort to try and be fair we have, in past races, calculated the laps lost from the time the car was missing from the timing system and added them the final result. We can be confident of being correct by calculating average lap times against total lost time but a few year, at Ringwood the process caused a bit of a problem as the car that appeared to finish 2nd had lost laps added and consequently won, much to the understandable frustration of the runners up.

With this in mind, this year in New Milton, transponders will be deemed to be a part of the car, and therefore, a transponder failure will be like any other mechanical failure. Laps lost through transponder failure will not be recovered. Transponder failures are, in fact, not common and in all but one case have been caused, not by the transponder, but by the transponder mounting insecurely mounted by the team. Therefore, we feel this new rule is fair and it remains the responsibility of the team to ensure that their transponder is secured properly. So be warned, make sure your transponder mounting is secure.



*Your transponder mounted in a  
card box measures 10 x 6.3 x 3.5 cm*