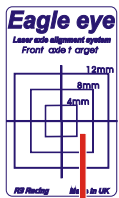


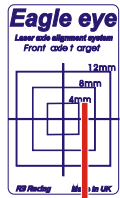
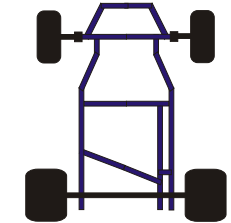
TWIST

3

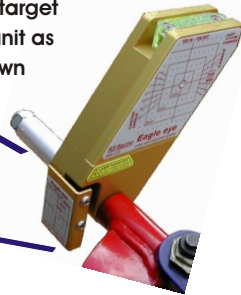
Laser beam lower on one side than the other indicates TWIST



Targets fitted to rear of front Eagle eye



Fit small target to front unit as shown



Twist is apparent if one laser beam is lower on the target on one side than on the other side. Any offset left or right is an indication of Bend or Crab. If they are both low or high by the same amount then no twist exists.

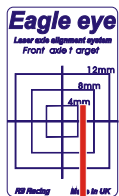


View from rear of Kart

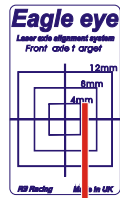
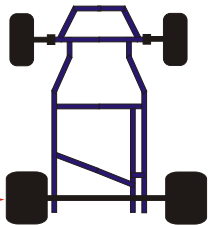


BEND or CRAB

Both to one side means either BEND or CRAB



Targets fitted to rear of front Eagle eye



Bend or Crab is apparent if the laser beams are both to the right or both to the left of the target. To determine if the alignment error is Bend or Crab carry out the Bend test. Any offset up or down is an indication of Twist.

If one beam is to the left and one to the right (or vice versa) then one of 2 things has occurred. Either your back axle is bent or you have not properly aligned the front axle.



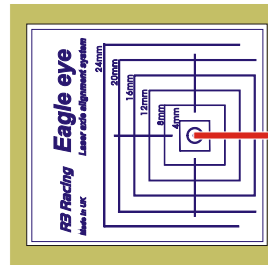
Rear wheels do not follow front



BEND

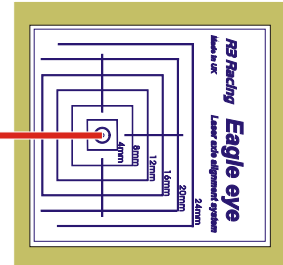
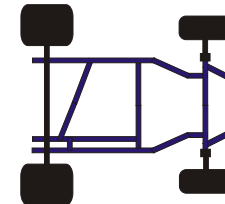
4

- 1 Fit both the front Eagle eyes and zero the Toe and if possible the Camber.
- 2 If zero Camber cannot be achieved then you should equalise your Camber setting such that each side reads the same. (Normal Camber angles give no appreciable error).
- 3 Fit one of the rear Eagle eyes onto the opposing front axle stub as shown.
- 4 Slide the rear Eagle eye along the axle until it points at the centre of the target on the other rear Eagle eye fitted to the front axle - as in the diagram below.
- 5 You do not need to level the bubbles on either of the rear Eagle eyes for this test



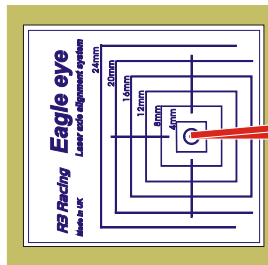
Rear axle target

No Bend - both beams are able to point directly at each other.



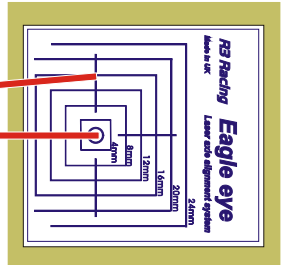
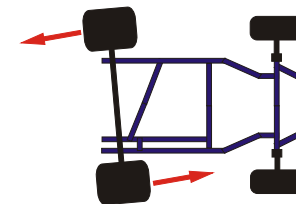
Front axle target

Only when both lasers point directly at each other are the axles parallel and no Bend exists. Repeat for the other side as a double check on your setup.



Rear axle target

Example of Bend - beams are unable to point directly at each other.



Front axle target

Notice one laser is on target and the other is horizontally displaced. If the two axles are not parallel (as viewed from above the chassis) then the 2 beams can never point at each other.