

User manual Xtreme M1

Danger:

This device uses a Class 2 laser Do not look directly into the beam, it there is a risk of eye damage! Therefore, keep the laser system outside Reach of children. You can not assess the risk of the laser. Put the unit to prolonged direct sunlight or external violence (Fall, blows) out.

Instruction manual:

Using the laser M1 They are capable of adjusting toe and camber of the front axle of your karts.

To do so, mount the two laser units with the aid of magnetic V-shaped Foot on the steering knuckles. Make sure at this point that the laser on are the magnetic feet free from metal debris, otherwise errors in the measurement occur. Depending on the version of your knuckle it is possible for you both the actual to use shaft, as well as the shoulder of the steering knuckle for fixing. Check You can do this by using unique both positions for surveying. If at both measurements the same results present so they can both positions in the future use, otherwise the shaft must be used for the measurement. Align the steering wheel for driving straight ahead of you to ensure that the wheels exact have a straight line.

Now position the laser units with the help of dragonflies horizontally. to turn press the side-mounted on / off switch. For one, you will now see a Laser point which centrally emits each laser unit, the other one on the opposite Laser scale incident. The incident is the one point which means Tie rods and eccentric is adjusted, and reflects the adjustment of the front axle. The incident laser point are respectively the setting of the opposite Knuckle again and thus requires the adjustment of the tie rod and eccentric. Configure the setting of the points on both sides of the same, just so you get a bilaterally symmetrical adjustment of track and camber of the stub axle. The total track of the front axle resulting from addition BOTH points. A line represents this always 2mm each setting is. This means that if two eccentrics points a line are removed from the center so there is a general attitude of 4mm!

Importance of scale:

Track on the incident laser spot is located in the direction of travel before centrally exiting laser beam.

Trace: The incident laser spot is located in the direction of travel behind the centrally exiting laser beam.

Positive camber: The incident laser point is located above the central exiting Laser beam.

Negative camber: The incident laser dot is located below the central exiting Laser beam.