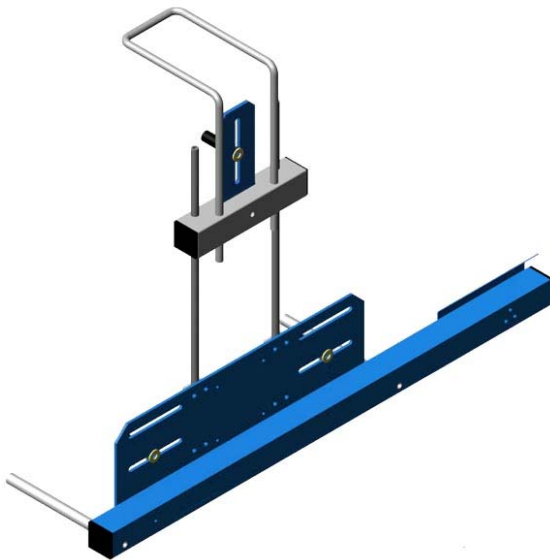




Caster, Camber and KPI gauge instruction manual



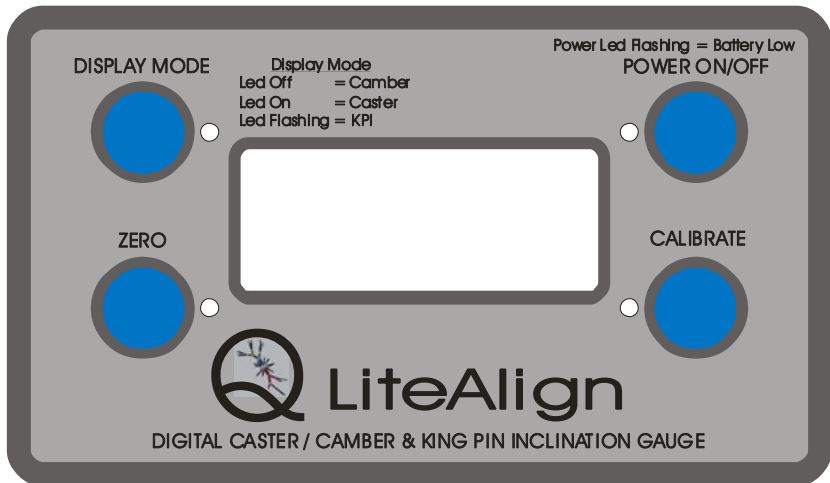
INTRODUCTION

Thank you for purchasing the Quark Motorsport Caster, Camber and KPI gauge. The Gauge comes with a one year warranty against component failure not including normal wear and tear. In the unlikely event of a problem please ring Quark Motorsport customer support line.

The gauge comes fully calibrated from new, but we recommend it is calibrated every six months. If the gauge is subject to accidental damage i.e. dropped it should be recalibrated immediately. For calibration please contact the selling agent or ring the customer support line.

- ❑ The gauge should be cleaned using a soft damp cloth only
- ❑ Avoid getting the gauge wet
- ❑ Always use the charger indoors in a dry environment
- ❑ Before using your gauge for the first time the batteries have to be fully charged. For this they will need a twelve hour charge.
- ❑ Plug the charger wires into the charger socket on the side of the gauge plug the charger into a 240 volt wall socket and switch on .The charging light should illuminate on the side of the gauge. Once charged the batteries should last about five hours. When the low bat light comes on they require recharging. Periodically let the batteries completely discharge before recharging this will help to extend the life of the batteries.

THE GAUGE



- ❑ The gauge is turned on by momentary pressing the power on/off button.
- ❑ The gauge is turned off by pressing the power on/off button.
- ❑ The power LED will flash when the battery requires charging. (no measurements should be taken with power off LED flashing)
- ❑ The Camber, Caster and KPI button is used to switch between different modes.
 1. Light off camber
 2. Light on caster
 3. Light flashing KPI
- ❑ The zero button is used when taking inclination, Caster and KPI measurements.

SETTING THE CAR UP BEFORE USING THE GAUGE

- ❑ Drive vehicle on to a level working area.
- ❑ Put the front wheels on to the turn plates. *
- ❑ Apply handbrake and use brake pedal depressor tool to apply the foot brake. *
- ❑ Using Laser Wheel Alignment measuring heads on to the front wheels, adjust to get best fit and to allow beam to shine across to other head. Switch on the lasers. You can also use the optional Camber Hub Kit
- ❑ Fit rear flags on to rear wheels ensuring good contact with tyre by all parts of flag.
- ❑ Using the steering wheel adjust the steering until the readings on the rear flags are equal (i.e. 5 on the left flag and 5 on the right flag)
- ❑ The car is now set and ready to check the caster, camber and KPI

*Optional extra

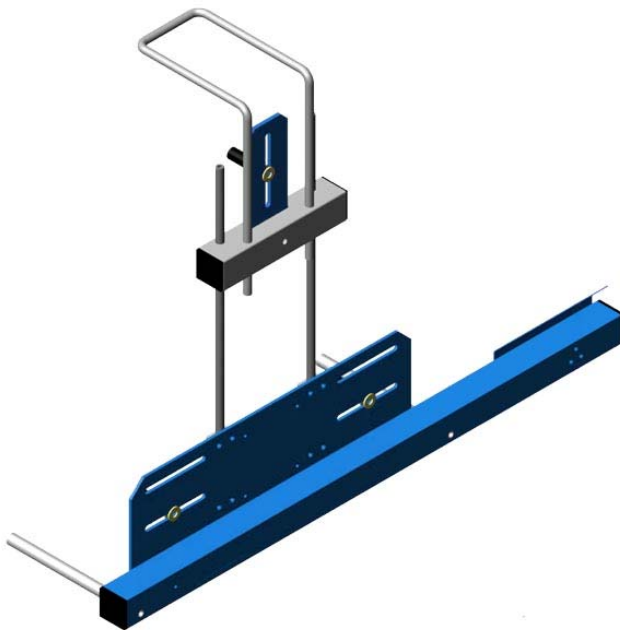
USING THE GAUGE TO TAKE CASTER, CAMBER AND KPI READINGS

- ❑ Set the car up as described on the previous page and attach the gauge to the square plate on the Wheel Alignment measuring head using the magnet, or the optional Camber Hub Kit
- ❑ Turn the gauge on as described earlier and press the display mode button until the led is flashing. (i.e. in KPI mode) Adjust the gauge until the display reads zero. This has set the gauge horizontal.
- ❑ Now press the display mode button until the LED is off (i.e. in Camber mode) and take the **camber reading**.
- ❑ To take the Caster and KPI readings turn the wheel in ten degrees and press the display mode button until the LED is lit (i.e. Caster mode) then press the zero button the zero LED will flash. Now turn the wheel out ten degrees and take the **Caster reading**. Pressing the display mode button until the display mode LED is flashing (i.e. KPI mode) and take the **KPI reading**.
- ❑ If the zero button is pressed accidentally or you want to reset the zero position, pressing the calibrate button once will return the gauge to normal mode and the zero position can be taken again.
- ❑ Pressing the zero button in Camber mode will zero the Camber and KPI measurements. This function is used to add or remove a known amount of Camber.

SPECIFICATION

- ❑ 9-12 DC charger input socket.
- ❑ Battery life approx six hours.
- ❑ Auto power off.
- ❑ 0.1 degree resolution.
- ❑ Temperature operating range +1 to +40 degrees C.
- ❑ Storage temperature -10 to +50 degrees C.
- ❑ Simultaneous dual axis measurements.
- ❑ Four digit 12.7mm LCD display.

Specification subject to change without notice.



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