

# Gunson®

## TRAKRITE CAMBER GAUGE

Part No. 77066



### Instructions



#### Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.



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# 77066 TRAKRITE CAMBER GAUGE

Measures the Camber and Caster angle on the wheel hub or brake disc and allows adjustment to maintain correct wheel alignment and even tyre wear.

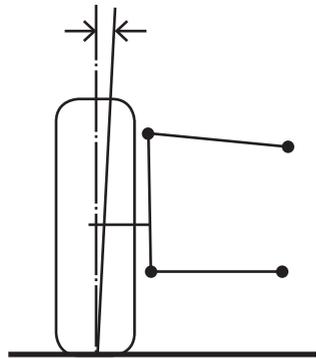
## Calibration

To ensure the magnetic gauge is calibrated correctly to read absolute level, use a spirit level to level the transverse bubble and clamp the gauge onto a known vertical service (metal is helpful).

Adjust the knob at the rear to centre the bubble on the Zero position.

**NB** Any adjustments made to Camber or Caster angle may affect the other so always re-check a final time.

## Camber Angle – Wheels on



For this check you will need to ensure the vehicle is parked on a flat surface, all of the tyres are inflated to the correct pressure, the rear wheels are made secure and wheel trims removed.

1. Use a straight bar vertical across the flats of the wheel making sure nothing impedes the flat surface (there may be enough flat surface to attach the gauge directly to the wheel)
2. Place the Trakrite Camber Gauge in the centre of the bar and read the – Neg. or + Pos. angle.
3. Record this angle and repeat the procedure on the opposite wheel.

**NB** If the gauge indicates an unusually large angle, it may be necessary to check again with a full fuel tank and with a normal load.

## Camber Angle – Wheels Off

Using this method you must ensure that the car body is equal distance off of the ground and the wishbone is jacked up to replicate the running position.

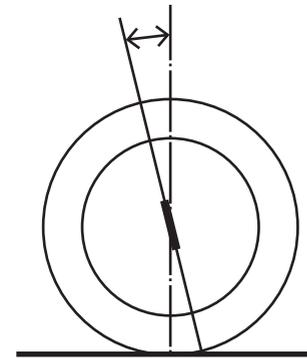
Also make sure the wheels are facing directly ahead.

Using the horizontal level, connect the gauge to the Brake Discs and read the angle.

Repeat for the other hub.



## Caster Angle



The Caster angle is the angle between the vertical and the inclination of the king pin when viewed from the side of the wheel

To measure this angle the wheels must be on the vehicle. If a turntable is not available it may be useful to mark out the angles on the workshop floor.

Start with a straight line and mark 2 diagonal lines at 20° (40° total).

1. Turn the steering 20° to the right.
2. Set the measurement of the off-side wheel by attaching the gauge to a level surface, making sure the horizontal bubble is level, at 90° to the wheel spindle and adjust the bubble so that it is directly over the Zero mark.
3. Now turn the wheels 40° to the left (through the straight line if turntable is not available) and attach the gauge to the near side wheel as before.
4. The measurement reading is the Caster angle. Negative caster is when the steering axis is inclined toward the front of the vehicle and positive caster is achieved when the steering axis is inclined toward the rear of the vehicle.