

SPEEDWAY MOTORS

Lincoln, Ne 402 323 3200

Instructions For Caster/Camber Gauge

- ☐ Always read at the center of the bubble.
- ☐ Camber is marked in $1/4^{\circ}$ + and -.
- ☐ Turn wheels 20° to R & L when setting caster.
- Find a flat, level place to set up your front end.
- Attach the gauge to the hub. Be sure that the surface you attach to is machined square to the spindle and doesn't have any nicks or burrs.
If you have an aluminum or mag hub (non-magnetic) other adaptors are available. Please call.
- Rotate the gauge until the small vial at the end of the gauge shows level.
- Read the CAMBER directly on one of the two vials on either side of the gauge. Note that they are marked + and -. Read the line nearest to the center of the bubble. Each line is $1/4^{\circ}$.
- To read CASTER first turn the wheels 20° out so that the front of the tire is farther from the car. If you don't have a set of turning plates you can use the angles machined on the corners of the gauge. Turn the wheels so that the angle near the adaptor end is square with the side of the car and the angle at the other end is parallel to the side of the car. Rotate the gauge until it is level.
- Turn the knurled nob in the center until the caster part of the gauge reads 0° . Now turn the wheels back to 20° the opposite way - for a total of 40° . Rotate the gauge again to level and read the caster on the center vial (read to the center of the bubble). Each line is $1/2^{\circ}$.
NOTE: If you need to measure more than 8° caster - racing karts for example - turn the wheel 20° and set the center vial at negative 8° instead of 0° . Proceed as above and add 8° to the reading. This will give you a total range of 16° .
- Adjust the caster and camber as needed. Each time you make a change bounce on the front end to settle the suspension. Remove the gauge and reinstall the dust cap.
- NOTE: Adjusting the caster may have an effect on the camber and vice versa. Double check all your settings before finishing. Be sure to tighten all suspension bolts when done.

Warning:

Do Not leave the gauge in the hot sunlite or store in a place over 120° F. Breakage of the vials could occur.

If this happens replacements can be ordered from **SPEEDWAY MOTORS**. Replacement is simple with no loss of accuracy.