

**Mailing Address:**  
P.O. Box 427  
Cedar Falls, IA 50613

**Shipping Address:**  
225 Performance Dr.  
Cedar Falls, IA 50613



TOLL FREE 1-800-722-4641  
IOWA 1-319-277-2066  
FAX 1-319-277-1506

[www.PerformanceBodies.com](http://www.PerformanceBodies.com)  
E-mail: [performancebodies@cfu.net](mailto:performancebodies@cfu.net)

# Longacre Caster Camber Gauge

- Always read at the center of the bubble.
- Camber is marked in  $1/4^\circ$  + and - .
- Turn wheels  $20^\circ$  to R & L when setting caster.
- Find a flat, level place to set up your front end.
- Attach the gauge to the spindle. If you have a magnetic adapter, be sure that the surface you attach to is machined square to the spindle and doesn't have any nicks or burrs. With the thread-on type adapter be certain the spindle threads are free of burrs. Usually there are a few extra threads on the spindle. If not, you will need to remove the spindle nut and install the adapter in its place.
- 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  $20^\circ$  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 adapter 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 knob in the center until the caster part of the gauge reads  $0^\circ$ . Now turn the wheels back to  $20^\circ$  the opposite way. Rotate the gauge again to level and read the caster on the center vial (read to the center of the bubble). Each line is  $1/2^\circ$ .
- 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 spindle nut as needed.

**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 sunlight or store in a place over  $120^\circ$  F. Breakage of the vials could occur. If this happens, replacement vials can be ordered from the factory or any authorized dealer. Replacement is easy.