
Camber/Caster Gauge (MMT-3)

The MM Camber/Caster Gauge will measure camber within a range of 7 degrees positive to 7 degrees negative. The accuracy is better than 1/8 degree.

Read all instructions before beginning work. Following instructions in the proper sequence will ensure the best and easiest installation.

- Place the bubble-level module onto the gauge frame. Make sure it is firmly set down against the support, and tighten the retaining knob. During use, periodically check that the bubble-level module has not been dislodged from its position.
- The gauge is to be held vertically, with the two posts firmly against the car's wheel rim. The posts can be adjusted to best fit the size of the rim. The gauge does *not* have to be placed across the center of the rim—the entire plane of the rim will have the same camber setting.
- The gauge reads 'zero' when the bubble is centered on the line, the arrow on the dial is pointing towards the bubble, *and* the rocker arm is approximately flush with the top of the channel.
- One complete revolution of the dial equals one degree. Each mark on the dial is 1/8 degree.
- The car *must* be level when checking camber and caster. To level the car, remove the bubble-level module from the frame and use it to check the floor for level. Place a straightedge between the two areas where the front tires will rest, and place the bubble-level module on that straightedge. Use shims (sheet metal or thin Masonite works well) where the tires will sit, to level the floor. This technique is much more accurate than using a carpenter's level. It is more important to level the car side-to-side than front-to-rear.

1. Set the front tires in the straight forward position.
2. Hold the gauge frame firmly across the rim, vertically.
3. Set the bubble-level to the 'zero' position.
4. Turn the dial until the bubble is centered on the line. Count the number of full revolutions. Each full turn is one degree, and each mark is 1/8 degree. Turning the dial in the counterclockwise direction to center the bubble indicates negative camber.

Measuring Caster

1. To check caster on the left front wheel, steer to the right, so the left front tire is 20 degrees to the right of straight ahead.
2. Hold the gauge frame firmly across the rim, vertically.
3. Turn the dial to center the bubble on the line.
4. Remove the gauge from the rim. Do not alter the position of the dial.
5. Steer the left front tire towards the left, to a position 20 degrees to the left of straight ahead.
6. Place the gauge back into position on the rim.
7. Rotate the dial to again center the bubble on the line. As you do so, carefully count the number of revolutions and partial revolutions the dial was turned.
8. Multiply the number of turns of the dial by 1.5. That will be the degrees of caster.
9. Repeat for the opposite side of the car.

Measuring Camber