**Toe Measurement Instructions - 2-Wheel Alignment System**

- The rim stand-offs work on nearly all stock cars and suv's, however it is possible that the sidewall on some trucks and suv's may be too tall for the stand-offs to properly contact the wheel rim. In this case either the stand-offs can be removed and the plates can be used as standard toe plates (placed flat against the tire), or a 2x4, 4x4, or similar can be placed under the plates to raise them up higher.
- If the tire bulges too much for the standoffs to contact the wheel rim, contact us for longer standoffs.

**Step 1: Adjust Plate**
Center the vehicle's steering wheel. If the vehicle is equipped with hub caps they should be removed. Place plate with in integrated camber gauge close to the wheel of the axle being measured, so that when the stand-offs are resting against the rim, the plate will be sitting vertical or tilted slightly inwards. Use the notch cut into the top edge of the plate to center the plate in relation to the wheel.

Use the thumb screws to adjust the stand-offs to contact the rim of the wheel. When tightening is it not necessary to use two hands, simply apply some pressure to the plate while the stand-off is against the rim and the friction will allow the thumb screw to be tightened.

**Step 2: Extend tape measures**
Run the tape measures underneath the car as shown, 80 inches should be enough.
Step 3: Adjust stand-offs

Use the same procedure as shown in step 1 to fit the other toe plate on the opposite side of the vehicle, and place the ends of the tape measures into the tape holder slots.

Step 4: Measure Toe

Check that the stand-offs on both plates are properly seated against the rim of the wheels.

Unlock the tape measures and slide them into the straight slots. When taking measurements, pull on both tape measures slightly to tension them.

The rear tape measurement (side towards the rear of the vehicle) minus the front tape measurement (side closest to the front of the vehicle) is the total toe of the axle. A larger measurement on the front side indicates toe out, and a larger measurement on the rear side indicates toe in.

For example, if the front measurement is 66” and the rear measurement is 66 3/32 the axle has a total toe in of 3/32”.

**Note:** When using alignment specs, note that the toe plates measure the TOTAL toe, not the toe of each wheel. Thus if your specs are given for each wheel you will need to add those values together. For example, if the toe in of each wheel is suppose to be 0.15 degrees, then the total toe should be 0.15+0.15= 0.3 degrees. The optional alignment specs CD gives total toe so these specs do not need modification, however you should use the degree specifications, NOT the inch specifications.

**Tip:** if the toe is correct but the steering wheel is crooked, turn the tire rod on one side in, and the tie rod on the other side out an equal number of turns. This will keep the toe measurement but adjust the position of the steering wheel. Make sure to adjust it the right direction!

If you have any questions or issues, please contact us at info@TenhulzenAutomotive.com