



Auto Care USA

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Trammel Type Toe Gauge Instructions

The Trammel Type Toe Gauge is designed for quick, accurate toe readings. This unit is so simple that even the novice can use it accurately. The legs are offset so that the bar may be used with the vehicle either on the turntable or on the floor. Built for durability, this gauge is made of heavy aluminum castings and bright zinc 18-gauge welded tubing, 8 feet in length, with an indicator dial graduated in 32nds of an inch, and in millimeters.

The gauge reads from the outside of one wheel to the outside of the other. Measurements are taken at the truest surface of the tire, the scuff rib. Readings are not affected by bent wheels or irregular tire treads. The vehicle stays in position while it is checked and corrections are made. Start at zero on the gauge dial at the front of the vehicle, then move the gauge to the back of the front wheels and set the dial again, then take a reading. This makes this alignment procedure so easy that anyone can do it.



Measuring wheels as indicated in the 2nd paragraph above, the outside width is 88". To increase capacity to 101", reverse gauge stand and check stand and measure from inside of tires. Reverse **Toe-in \ Toe-Out** reading, as **Toe-Out** becomes **Toe-in**.

Using the Trammel Type Toe Gauge on the floor.

1. With the unit assembled as shown, place it at the front of the vehicle so that the bar rests against both tire treads and the solid check stand rests against the outside of the left tire. Lock the small check bar at zero and move the traveling gauge until the small check bar rests against the outside of the right tire. Tighten the thumb screw. This is the distance across the front of the front wheels. Draw chalk marks where the top of each check bar contacts the tire.
2. Remove the gauge and move the vehicle forward until the chalk marks are at the rear part of the tire and the proper check stand height.
3. Carefully slide the unit under the vehicle behind the front wheels, turning it on its side, if necessary. Loosen the thumb screw that locks the small check bar. Place the unit in its reading position with the bar resting against both tire treads and the solid check stand against the outside of the right tire. Move the small check bar until it rests against the outside of the left tire. The reading indicated on the dial is the amount of **Toe-in** or **Toe-Out**.

Using the Trammel Toe Gauge on Turntables.

1. Lock the **Turntables** with the locking pins and drive the vehicle forward onto the **Turntables**. Remove the turntable locking pins and follow step 1 above.
2. Raise the front of the vehicle and rotate both front wheels until the chalk marks are at the proper check stand height. Lower the vehicle and use the steering wheel to move the front wheels back and forth rapidly several times to help settle them in their normal driving ahead position.
3. Spread the wheels apart using the **Front Wheel Spreader** to compensate for any looseness.
4. Follow step 3 above as when using the **Trammel Toe Gauge** on the floor.