



## 4 Wheels Combo 4th Gen Elite

### Components

QuickSlide Verticals	4	Your selected size
Toe Bars	4	
QT Pins Set (6)w/Red Caps) Wrench	2	
QT Gauge	2	
QT Tape Measures	4	
QT Backup Bungees	4	
QT Case	1	

### Prior to Start

Unpack your QuickTrick system and verify all components are present.

- Please empty all case pockets prior to checking parts.
- Test your QuickTrick gauge to ensure a repeatable measurement.
  - Remember the gauge is accurate to within 1/10 degree which makes it very sensitive.
  - If you believe you are not getting repeatable measurements, please go through the steps to recalibrate found at the video link below:
    - [http://www.youtube.com/embed/jLHIp\\_wKdQE](http://www.youtube.com/embed/jLHIp_wKdQE)
- Attach Pins to toe bars (Pins with 3/8" bolt and washer) by sliding the bolt and washer on the smaller hole to the right and left of center, insert pin through larger hole on other side of toe bar and screw on inserted 3/8" bolt.
- Attach 2 remaining Pins to Verticals by removing top nut and screwing onto the knob/bolt in the correct hole or slider depending on your system.
- Attach QuickTrick frames to rims and use backup bungees if needed for grip
- Apply pressure on the bumper a few times to make sure your suspension settles.
- Zero out gauge in front of tire you are taking measurement from prior to placing on bracket.
- Ensure Toe bar is level and vertical is at 90 degrees.
- Make sure your vehicle is on a hard surface.

**Now you are ready to check your alignment.**

### Caster, Camber & Toe (In that Order)

Always check tire pressure and settle your suspension prior to getting measurements.

**CASTER:** With and without toe plates, Caster is a lot easier than most people think.

1. Center your steering wheel (use a small piece of tape for reference as you measure)
2. Place the QuickTrick frame on the wheel you are measuring.
3. Use the gauge to determine the vertical is at 90 degrees (Make sure it is on the mode for degrees and not inches)
4. Make sure your tires are straight and center the steering wheel.
5. Affix the gauge on 2" bracket on vertical bar
6. Turn the wheel inward until the tire you are measuring is at 20 degrees. Zero the gauge
7. Turn the steering wheel 20 degrees in the opposite direction
8. Read the gauge. Multiply the reading by 1.5 and this is your caster measurement. The gauge arrows are opposite due to strut location. Down arrow is positive caster, up arrow is negative caster.

### **CAMBER:**

1. Level the camber gauge in front of the tire. This is accomplished by placing the gauge in front of the tire and wheel you are checking. Turn the gauge on and the first reading you will see is the level of the surface you are working on. Example: If the reading on the gauge is 1.0 followed by the ^ arrow, this indicates the surface you're working on is 1.0 degrees positive, the opposite would show on the gauge as 1.0 v or negative. Simply hit the zero button and the gauge will recalibrate and show on the screen as 0.00 and will hold this recalibrated number until it is reset.
2. Adjust vertical for wheel height and size and attach the QuickTrick verticals to either side. Make sure you are working on a totally flat surface against the wheel and the vertical is at 90 degrees prior to placing your gauge on the horizontal gauge bracket.
3. Checking Camber. Place the gauge on the gauge bracket and record your camber. Example: 0.7 v indicates this wheel has less than 1 degree of negative camber. The only thing you really need to remember when using the gauge is ^ is positive, v is negative for camber and opposite for caster.
4. Repeat on opposite side of vehicle.

### **TOE:**

1. Extend the tapes one in front of the tire and one behind the tire. We have found working from right to left is easiest for us. Slide the clip of the tape measure into the slots of the left front and rear, return the right front and slide the extended tapes into the slots front and rear.
2. Gently pull the tapes at the same time making sure the opposite side is seated against the tire.
  1. \*\*If needed, use bungees for additional secure attachment of frames for 1-person measurements
3. Read the tapes carefully. Typically, you will have readings something like this:  
*Front measurement 75 1/4 – Rear measurement 75 1/8.* This indicates that you have 1/8" toe out. Easy way to remember this is if the front number is higher, you have toe out. If the rear number is, you have toe in.

\*\*If toe adjustments are needed, we recommend you string the car to determine which or if both sides need adjustment.

Also watch our videos at YouTube = QuickTrick Alignment and the website at [www.quicktrickalignment.com](http://www.quicktrickalignment.com)