



Maintaining Corner Weights While Changing Springs.

The Intercomp Coil-Over Spring Tester and Compressor is one of the most versatile chassis set up tools available. Used by many top racers for rating springs, bump stops, complete coil-over setups, and checking coil bind and rod pressure, this tool has another very handy use: using heim joint center-to-center measurements to maintain corner weights while making spring changes.

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Here's how this process works:



1

Scale the vehicle as it is to be raced. With the vehicle at race-ready ride height, measure the length of your shocks from the center of each heim joint. Make sure your suspension has been settled and is free of bind. Document these lengths for future reference.



2

Elevate and properly support the vehicle. Remove the coil-over assemblies and measure the center to center “free height” of your shocks from the center of the heim joints. Record these numbers as well.



3

Once you have this information, you can load the entire coil-over assembly into the Coil-Over Spring Tester and Compressor; zero-ing the travel indicator as well as the load indicator.



4

Measure from the flat spots on the mounting pins to determine current center to center length of the shock in the Coil-Over Rater. This measurement should match the free height measurement recorded in step 3.



5

Compress the assembly until the center to center length of the shock is the same as it was installed on the vehicle at race-ready ride height. Record the value noted on the weight indicator.



6

Now that we have this value and length, we can use these reference numbers to install any spring combination on that corner to maintain wheel load rates and ride heights. Note: if changing to a softer spring, you will have to add preload to get to your target load number, and reduce preload if switching to a harder spring.

For more information, and to watch the Intercomp Coil-Over Spring Tester and Compressor in action, visit IntercompRacing.com. To purchase this or any other Intercomp Racing products, please contact Intercomp.