

TRU-SQUARE

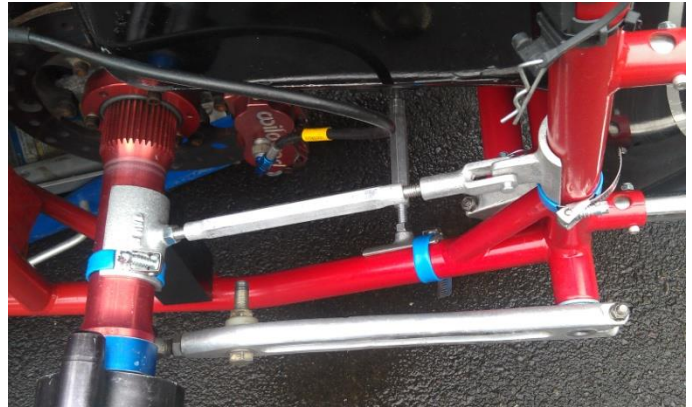
REAR END SQUARING MADE EASY

The following directions assume the user of the TRU-SQUARE tool knows how to install and square a rear axle in a mini sprint racecar. If you are not familiar with this process, please refer to a setup manual for the correct set up procedure and setup dimensions for your car.

Your complete TRU SQUARE kit includes; two squaring tools and four clamps.

DIRECTIONS: Place the axle in the chassis on setup blocks with the sprocket in line with the engine sprocket. The birdcages need to be installed on axle but no rods or torsion arms should be connected.

- 1.) Start with both ends of the TRU-SQUARE squaring tool screwed all the way in (shortest position); Place the large end of one TRU-SQUARE squaring tool over the axle directly above the set-up block with the other end facing toward the rear of the car. The large cup on the squaring tool is offset. Put the long end toward the top of the axle.
- 2.) Holding the other end (small end) at an angle up and back from the axle, turn the hexagon center section of the squaring tool to lengthen it until the small end reaches the rear upright tube of the chassis. The squaring tool should now extend from the axle to the rear up right of the chassis at an up and back angle. The degree of the angle is not important, you just want the squaring tool to attach to the chassis clear of any obstacles such as gussets, tank mounts etc.
- 3.) Secure the squaring tool to the axle by placing one of the supplied clamps around the axle and over the flange on the squaring tool. Secure the small end of the squaring tool to the chassis with a clamp.
- 4.) Repeat Steps 1-3 above with the other squaring tool on the other side of the chassis.
- 5.) Now adjust the length of the squaring tools on each side until the axle is square and in the proper location. In most cases mini sprints are square off the rear torsion bars. Refer to your chassis manufactures specification for proper location of the axle.
- 6.) Recheck to make sure the rear sprocket is in line with the front sprocket.
- 7.) When the axle is square and in the proper location, tighten the lock nut on each squaring tool to lock the axle in place.
- 8.) Now with the axle securely locked in place you can time the birdcages and connect the rod and arms without the axle moving out of square.
- 9.) Once the rods and arms are attached and properly adjusted, remove all components of the TRU-SQUARE tool from the axle and the chassis before operating the car.



The above photo was taken of the TRU-SQUARE tool attached to a midget to illustrate the proper installation of the tool from the axle to the rear upright of the chassis. Other components on this car may be different than on a mini sprint.

WARNING: Do not operate the car with the TRU-SQUARE tool attached.

TRU-SQUARE

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