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## **C/E 6021 Strut Frame Rail Installation**

**Introduction:** Congratulations. You have purchased one part of the best Race Strut retrofit kits on the market. Properly installed and tuned, your new Front Race Strut suspension will provide you with years of trouble-free operation, quicker 60-foot times and reaction times.

These instructions are written for cars already equipped with a four link or ladder bar back half suspension and just one way of properly installing the frame rails for the 5415-Strut Kit. Depending on your fabrication experience, you may find it easier or more convenient using other methods that accomplish the same results. Every installation is slightly different, and we have attempted to structure these instructions to make your installation as easy as possible.

### **Part # 6021**

#### **PARTS LIST:**

2...95" Piece 2 x 3 Tubing

**Before starting your installation, it is important that the car be in a location where it can remain undisturbed until the job is completed. Any flat surface, such as a garage floor is OK as long as it is flat and level. If you have access to a lift where the car can remain for the duration of the installation, it will make working under the car much easier.**

1...Measure from the front of the stock rocker panels to the center of the front wheels and write this measurement down. Using a carpenter's square or plumb bob, you can also find the center of the existing hub and mark the center on the floor. This will help you locate the front wheelbase for the strut jig (C/E 6025) later, if used. **See Figure 1.**

2...With the front fenders still on the car remove the stock front suspension and place the car at the ride height you want the car to sit at when done. Place wood or box tubing under the rockers to get this height. Remove or let the air out of the rear tires to get the rear of the car down to the ride height desired.

3... Place the front wheels and tires in the wheel openings so the wheels can turn without hitting the fenders. Once both wheels are set, measure between the mounting surfaces of the wheels and write this measurement down. This will be the hub-to-hub measurement needed for the struts.

4...The recommended frame rail width is 23" outside to outside and 6" to the bottom of the frame rails max. The minimum distance from the outside of the frame rails to the wheel hub is 16". **See Figure 2.**

5...Take the measurement of the hub to hub and subtract the frame rail width. Then divide the measurement in half. As long as the final measurement is larger than 16" you will be ok

**Example:** 23" out-to-out Frame Rail Width and 57" Hub to Hub -

$$57" \text{ minus } 23" = 34" \text{ Divided by } 2 = 17"$$

**Remember,** if the measurement is smaller than 16" you will need to narrow the frame rails and narrow the rack or purchase a narrower one.

