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C/E1900 - Tie Rod Tube Kit

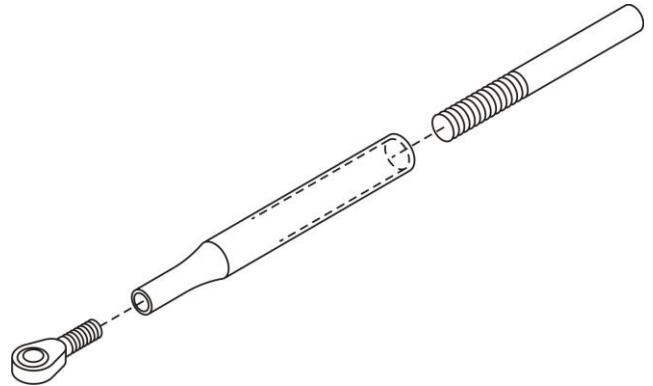
These instructions are just one way of properly installing Tie Rod Tube kits. Depending on your fabrication experience, you may find it easier or more convenient using other methods that accomplish the same results. Every installation is slightly different and we have attempted to structure these instructions to make your installation as easy as possible.

Part # 1900 (For use with most rack and pinion steering systems)

Start your installation by opening all packages and check the parts you have received against the parts list.

Parts list:

2...7/16" Tie Rod Tubes	2...7/16" x 2" Bolts
4...Misalignment Bushings	2...7/16" Stover Lock Nuts
2...7/16" Rod Ends	2...7/16" Jam Nuts
4...7/16" Flat Washers	



1...Before measuring the length of the tie rods, the rack and pinion will have to be centered. This can be done by turning the input shaft of the rack and pinion with a pair of vice grips or pliers from lock to lock counting the turns. Then turn the shaft one half of the distance back from the lock position and the rack and pinion will be centered.

2...Check that the wheels are pointing straight ahead by measuring from the frame to the tire at the front and back on each side.

3...Screw a 7/16" rod end into each of the tie rods 2/3 of the way. Slide the new tie rods over the stock tie rods on the rack and pinion. If the tie rods will not slide on far enough to line up the rod ends with the holes in the steering arms on the spindles the Rack tie rods will have to be shortened. Don't cut any more than is needed. (The new tie rods should slide over the Rack tie rods a minimum of 2-1/2 inches) Once the proper length has been determined cut the inner end at an angle and drill two holes opposite of each other at the end of the Rack tie rods. See drawing below.

4...Bolt the rod ends to the arms on the spindles after they are slid over the tie rods on the rack and pinion. The tie rods should be the same angle as the lower control arms. Bolt the assembly to the top or bottom of the arms and add a spacer to achieve this angle if needed. Check that the wheels are still pointing straight ahead before welding the holes in the tubes and the ends of the tubes. **NOTE:** Slide the end of the boots in as far as possible to the inside before welding so the boots don't melt.

5...Make final alignment adjustments and tighten all nuts and bolts.

