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## C/E3761 and 3762 – Anti Roll Bar Kit

### Parts List:

4...Sway Bar Arms (3/16" - 3761, 1/4" - 3762)	2...7/16" RH Rod Ends
2...Bronze Shaft Bushings	2...7/16" LH Rod Ends
4...3/8" X 1-3/4" Fine Gr. 8 Bolts	2...7/16" Tube Adapters 2 Right Hand
4...3/8" Fine Stover Nuts	2...7/16" Tube Adapters 2 Left Hand
8...3/8" Flat Gr. 8 Washer	4...7/16" X 1-1/2" Fine Gr. 8 Bolts
4...3/8" Jam Nut	4...7/16" Fine Stover Nuts
1...1-1/4" X .250 X 28" Moly Sway Bar	8...7/16" Flat Gr.8 Washer
2...7/8" X .058 x 10" Moly Tubing	1...1-3/4" X .120 X 26" DOM Tubing
4... Moly Housing Tabs - 7/16" Holes	1...1-3/8" X .095 X 35" Moly Tubing
2...Sway Bar Tube Mount	8...1/2" X 3/8" X 1/2" Weld Sleeve
2...Sway Bar Frame Mount	4...Sway Bar Arm Boxing Strips
2...1/2" Weld Sleeve	2...3/4" Weld Sleeve
2...7/8" Weld Sleeve	

These instructions are just one way of properly installing Anti-roll bar 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.

This sway bar kit is designed to mount to a crossmember between or to the bottom of the frame rails.

1... Jack up the rear of the car and place on jack stands under the rear end housing. Before removing the tires measure from the outside of the frame rails to the tire side wall. Write this measurement down. \_\_\_\_\_

2... Hold one of the sway bar arms up under the frame rail to determine the best mounting point for the crossmember and on the rear end housing for the mounting tabs for the sway bar links. (Note: The links that hook to the rear end must be 90 degrees to the ground looking from the rear of the car. They can angle a little to the front or rear if necessary.) Try to make these as wide as possible but remember there must be at least 1" of clearance to the side wall of the tire and the arms must not hit the frame or rear end brackets. Sand the rear end clean and tack weld the housing tabs to the housing using the 7/16" rod ends to space the brackets to the correct width. They must be the same height and distance from the axle center line.

3... Mark the frame rails 6" to the front or rear of the mounting tabs. This will be the location of the mounting crossmember. Cut and fit the crossmember to fit between the frame rails and tack weld in place after it is square and level.

4... Lay one of the sway bar arms on a bench and insert one 1/2", one 5/8" and one 3/4" piece of tubing into the holes in the sway bar arm. Place another sway bar arm on top of the tubes using two of the 7/16" rod ends to hold the sway bar arms at the correct width. Weld the outside of each piece of tubing on both brackets. Repeat this for the other arm assembly.

5... Measure the outside width of the mounting brackets on the rear end housing. Cut the 1-1/4" sway bar so that it is 1/2" wider in total length than the brackets. Cut the outside mounting tube so it is 2-1/2" smaller in length than the sway bar.

6... The kit includes eight 1/2" X 3/8" weld sleeves that are 1/2" long. Each one of the sleeves gets welded to the 3/8" holes on the four mounting brackets. Bolt one sleeve on each hole using the 3/8" bolts and 3/8" jam nuts for setup only and tack weld to the brackets. Remove nuts and bolts to finish welding. (Note: all of the sleeves must be welded only on one side of the brackets.)

7... Weld the two mounting brackets that have the large mounting holes in them to the outside of the mounting tube. Weld the brackets to the tube 2 inches in from each end. Both brackets must be the same angle and the small sleeves must face the ends of the tube.

8... Clean the inside of the tube out after welding and install the bronze bushings. Bolt the frame mounting brackets to the mounting brackets that were just welded. The bolts must go in from the center, out towards the tube ends. Center the outside mounting tube on the crossmember mounting tube and tack weld it into place. Make sure it is centered in the chassis and that it is rotated down so the sway bar arms will not hit the frame.

9... Slide the welded sway bar arms onto the sway bar shaft so the shaft only sticks out from the arms 1/4". **ONLY WELD ONE ARM TO THE SHAFT**, at this time. The other arm is only to hold the shaft level. Weld both sides of the arm and as much as you can on the inside of the arms.

10... Remove the sway bar outer tube from the car and slide the sway bar shaft in the tube and install the other arm. Weld the arm same as the first, making sure both arms are the same angle. Finish welding the frame mounting tabs before bolting the sway bar back in the car using the jam nuts.

11... Screw a tube adapter on to each rod end half way. Bolt the left hand rod ends to the rear end housing and the rights to the sway bar arms. With the rear end at the correct ride height rotate the sway bar arms so there is 3" of clearance between the frame and sway bar arm. Measure from the step on one tube adapter to the other for the sway bar link tube length. Remove the tube adapters and rod end from the car. Cut the tubing and tack weld one RH and one LH in each tube.

12... Reinstall the sway bar links back in the car using just the bolts slid into the holes. Jack up the rear of the car and move the jack stands from under the rear end housing to the frame so the rear end housing can hang on the shocks. When the rear end housing is hanging on the shocks, the sway bar arms and sway bar links must not be in a straight line. If they are, this means that the rear end housing is hanging on the sway bar not the shocks. Adjust the sway bar links so they have a small angle on them. This will keep the arms from wanting to go the opposite way when the rear end is jacked back up.

13... After the adjustments have been made put the jack stands back under the rear end housing. Remove the sway bar links and measure the length center to center on the rod ends and write it down \_\_\_\_\_. Weld the tube adapters completely after removing the rod ends. Once they have cooled down reinstall the rod end using anti-seize on the threads and adjust them to the length that was written down previously.

14... Install all of the correct bolts, washers and the locking nuts on the frame mounting brackets and tighten. Install the correct bolts, washers and nuts on the sway bar links. Only tighten the top bolts on the arms and only one of the bottom bolts on the rear end at this time.

15... Install the tires and place the car on the ground. Have the driver or someone that is the same weight as the driver sit in the car. Someone needs to slide under the rear of the car and adjust the sway bar link so the bolt that was left loose will slide in and out of the bracket. When the link is adjusted tighten all of the jam nuts on the rod ends and the nut and bolt.

NOTE: Anytime there is a preload or suspension change this step must be repeated.

**PRELOAD IS NOT TO BE SET WITH THE ANTI-ROLL BAR!!!**

C/E3761 & 3762

