CHASSIS ENGINEERING
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Anti Sway Bar

Part #3755

Parts List:

2...Aluminum Arms
2...Delrin Shaft Bushings
2...3/8" X 2-1/2" Fine Gr. 8 Bolts
2...3/8" Fine Stover Nuts
4...3/8" SAE Gr. 8 Washer
1...28" pc. Sway Bar Material
2...10" pcs. 5/8" X .120 Tubing
4...Cross Shaft Support Brackets
2...7/16" RH Rod Ends
2...7/16" LH Rod Ends
2...7/16" X 2" Fine Gr. 8 Bolts
2...7/16" X 1-1/4" Fine Gr. 8 Bolts
1...24" pc. 1-1/2" X .120 DOM Tubing
4...Chrome Moly Parachute Tabs 7/16" Holes
4...7/16" Fine Stover Nuts
4...7/16" Gr.8 Washer

1...Jack up the rear of the car and place on jack stands under the rear end housing. Measure the distance from the frame to the closest point of the tire. Remove the rear wheels and tires when finished.

2...Cut the sway bar shaft down so when the aluminum arms are slid over the sway bar shaft there will be one inch of clearance between the aluminum arms and the wheels and tires. After the sway bar is cut to size, measure the distance between the aluminum arms when assembled on the sway bar shaft. Cut the mounting tube 5/8 of an inch smaller than this measurement.

3...Mark the frame rails six inches to the front or the rear of the mounting point on the axle or the back of the brackets. This will be the mounting point of the sway bar mounting tube. **NOTE:** These measurements my be different on some cars so the arms don't hit the shocks or rear end brackets.

4...If the mounting tube is wider or the same width as the frame rails follow steps 4 -5 if not go to step 6. Place the mounting tube against the bottom of the frame rails on the marks made in step 3 and tack weld the tube to the bottom of the frame rails when centered and square. **NOTE:** (The end bushings must not be installed at this time.)

5...Clamp the support brackets to the inside and outside of the frame rails and tack weld in place. If the tube is the same width as the frame rails only use a support bracket on the inside of the frame rails.

6...If the mounting tube is smaller than the width of the frame rails the mounting tube must be spaced down 1/2" from the bottom of the frame rails so the aluminum arms don't hit. Cut two of the support brackets off 1/2" below the notch. Tack weld the cut support brackets to the mounting tube even with the end. This will give you the 1/2" space for clearance. Make sure that the flats on the brackets are both the same angle.

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7...Hold the mounting tube up to the frame even with the marks made in step 3 and tack weld in place when square and level.

8...Clamp one of the support brackets to the inside of each frame rail and tack weld to the frame rails and mounting tube.

9...Slide the aluminum arms onto the sway bar shaft and drill a 3/8" hole through both the arm and sway bar shaft. Repeat this on the other side. MAKE SURE THAT BOTH OF THE ARMS ARE THE SAME ANGLE!

10...Bolt the two rod ends between the two mounting tabs using the 7/16" bolts and non-locking nuts supplied for set up only. Tack weld the bracket to the rear end housing brackets close to the axle tubes.

11...Hammer in the mounting tube bushings on each side. Bolt the aluminum arms to the sway bar after installing using the gr.8 bolts, nuts and washer.

12...Thread the left handed rod ends into the strut rods half way and bolt them to the aluminum arms. Hold the aluminum arm up so there is 3" of room between the arm and the frame and mark the strut tube even with the jam nut on the lower rod end when it is halfway. Repeat on the other side.

13...Jack up the rear of the car and place the jack stands under the frame of the car. Let the rear end go through it's travel to check to see if the aluminum arm will hit anything. Place the rear end back on jack stands when done.

14...Disassemble the sway bar and finish welding all bracket and tabs.

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