

6266 INSTRUCTIONS FOR REAR ANTIROLL BAR

<u>ITEM</u>	<u>QTY</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	2	1418	ARB 6.70 arm 1-1/4 x .188 tube
2	2	1056	Adjuster rod 7" anti roll bar
3	2	1055	Sleeve 5/8 x 3/8 x .375 long
4	2	3100-038F1.75Y	Bolt 3/8-24 x 1-3/4" hex cap screw
5	2	3100-038F2.00Y	Bolt 3/8-24 x 2" hex cap screw
6	2	3100-031F2.75Y	Bolt 5/16-24 x 2-3/4" hex cap screw
7	4	3101-038-24C	Locknut 3/8-24 nylon insert
8	2	3101-031-24C	Locknut 5/16-24 nylon insert
9	2	3102-038-24LY	Left hand jam nut 3/8-24
10	2	3102-038-24RC	Right hand jam nut 3/8-24
11	2	3111-038X038-R	Rod end 3/8" right hand male
12	2	3111-038X038-L	Rod end 3/8 left hand male
13	2	3155-1.260-4848	Flanged bearing 1.245 ID x1.5 OD x 1.5 long
14	1	A20.188-030.000	Tube 1-1/4 x .188 4130 x 30'
15	1	D28.125-028.000	Tube 1-3/4 x .125 DOM x 28" long

Anti roll bars can be used with #6246 Eliminator II 4-link and #6206 Avenger 4-link. The 4-link, locator, and shocks must be completely installed with the rear end at ride height and centered in the chassis before starting. This antiroll bar requires considerable space above the rear end. Frame modification might be required.

1. Assemble the antiroll bar first. Determine the correct width for the assembly; usually it is the same as the rear 4-link bracket outside width. Subtract 3/16 from this and saw the 1-1/4 OD tube to this length, the tube ends must both be square. Press one antiroll bar arm onto the 1-1/4 tube into the circular slot. Use a 5/16-diameter drill to drill the 1-1/4 tube out. Use the antiroll bar arm as a guide, do not drill the hole oversize. Bolt the arm onto the tube. Put the flanged bearings onto the tube with the flanges against the arms. Press the other antiroll bar on. Do not drill the other end of the tube. Push the flanged bearings against the arms and measure the distance between the inside of the flanges. This will be the length of the 1-3/4 OD mounting tube. Cut the 1-3/4 tube to length, press the flanged bearings into the mount tube and install the 1-3/4 mounting tube over the 1-1/4 tube. Press the antiroll bar arm back on. Make sure there is no slop between the flanged bearings and the antiroll bar arm. If the mounting tube is sloppy, shorten the undrilled end of the 1-1/4 tube. If the mounting tube is too long, press the flanged bearing out and shorten the mounting tube. After all clearances are ok, drill the other antiroll bar arm. The assembly must sit flat.

2. Assemble the adjuster rod. Put a 3/8-rod end into each end with a jam nut. The hex end is left hand. Assemble the adjuster rods with rod ends to the rear end. The 3/8 hole above the shock mount is for this purpose. Use the short spacer sleeve to take up the excess gap.

3. Hold the antiroll bar assembly above and forward of the rear end. Attach the top of the adjuster rods to the antiroll bar arm. Clamp the antiroll bar assembly to the frame or other suitable mounting. The part of the chassis you attach the antiroll bar to must be very sturdy, as the antiroll bar will try to twist this part of the chassis. Additional cage or frame members might have to be added.

4. Remove the springs and rubber bumpers from the coil overs and reattach them. Move the rear end through its total travel and make sure nothing binds or hits anything else. Be especially careful to make sure the arms do not go over center when the rear end is lowered. After you are sure there is no binding or interference, weld the 1-3/4 mounting tube to the chassis. It must attach to the chassis as close to the end of the tubes as possible. Remember to remove the flanged bearings before welding on the tube.

5. To adjust the antiroll bar is simple. The car must be 100% complete, at race weight with the driver in the car, and the proper tire pressure. Make sure you are on a level surface. Disconnect one lower end of the antiroll bar adjuster. Adjust the 4-link to zero preload. Adjust the antiroll bar adjuster to be able to reinstall the bolt without preloading the chassis. Antiroll bar equipped cars usually require almost no preload. If the chassis will not launch straight, adjust preload in the link bars as normal.

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