

Installation of JC Whitney Rear Sway Bar on 1984-1987 Fieros

There are various rear sway bar kits for the '84-'87 Fieros. I will describe one way to install the JC Whitney rear bar. This procedure will be very similar to other rear sway bars, so if you are thinking about installing a rear sway bar on your '84-'87 Fiero, read below to see what is involved in such a project.

Below are the installation instructions which come with the sway bar kit.

DIRECTIONS 387

STEP #1. Locate existing outer 3/8" diameter hole in control arm. Drill out hole to 5/8" diameter to better accept end-link assembly. Assemble the end-links to connect the existing holes in the A-arm and the bar eyes. Tie the mid-section of the bar up to the exhaust pipe to facilitate this. The bar eyes locate below the A-arm.

STEP #2. Slip the mid-section bushing onto the mid-section under the frame. Position the bar bracket to support the bushing against the frame. Mark through the frame bracket holes for drilling. Drill the bottom of the frame with a 3/8" drill bit.

STEP #3. Insert the 3/8" bolts provided into the frame from the side opening so that they drop out through the drilled holes. Secure the bar bracket, the bar and the bushings using the lock nuts on these bolts. Tighten to 20 ft/lb.

STEP #4. The installation is now complete. Road test your Fiero and accustom yourself to its new handling. As we cannot supervise your installation, or your driving, we cannot be responsible for more than the cost of the kit.

NOTE: For best stability and handling this kit should be used in conjunction with our front bar kit.

HARDWARE

- 2 RH 508 Bushings
- 2 RH 040 Brackets
- 2 RH 013 End-Links
- 4 RH 214 Bolts
- 4 RH 304 Lock-Nuts

Here are my instructions:

The information below is believed to be correct at time of creation, however the Michigan Fiero Club does not guarantee this information to be correct, nor are they responsible for damages caused by attempting this repair. The information provided is for reference only, so as to help you determine if this repair is within your abilities to perform. If you are not comfortable with doing this repair, have a qualified shop complete the needed repairs.

Here is the overall diagram for the installation. The sway bar is installed near the front crossover and then links to the control arms towards the rear.

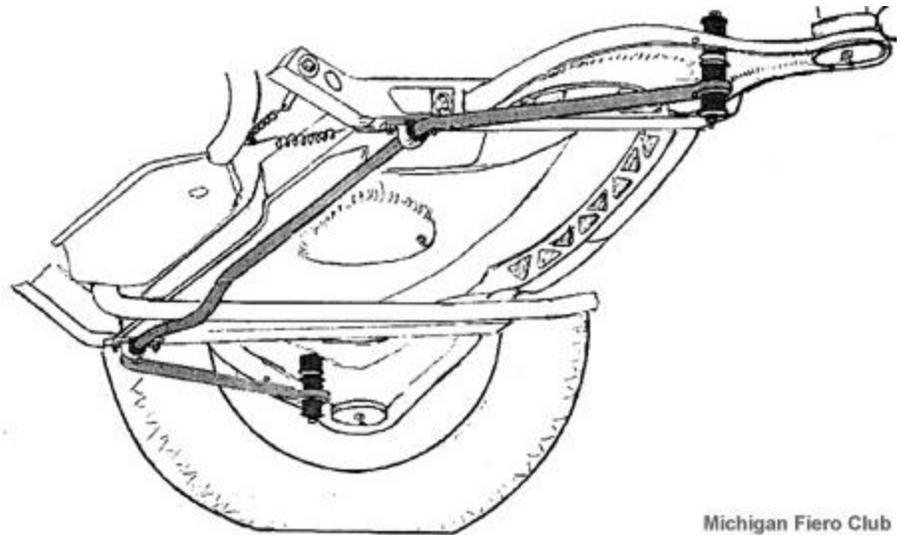


FIGURE 1

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When assembling the sway bar, use the diagrams to the right for the end links and frame bushings. (Fig. 3 & 4)



FIGURE 2

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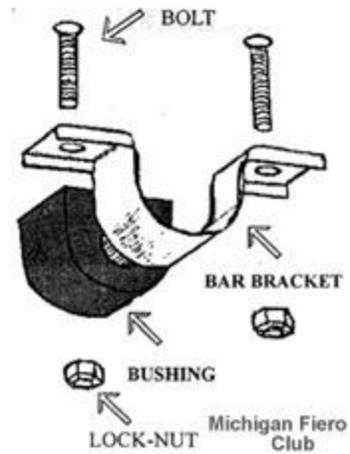


FIGURE 3

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Here are the large tools you will need:

- Jackstands
- Ramps (or blocks)
- Floor Jack



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Here are the smaller tools you will need

- Rear sway bar (with kit)
- End Links (with kit)
- Frame bushings/brackets (with kit)
- 5/8" drill bit (shown with drill on left)
- 3/8" drill bit (shown with drill on right)
- center punch
- assortment of hand tools
 - 14mm
 - 1/2"
 - 9/16"
 - torque wrench



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Raise car on jackstand and put ramps under each wheel. Jack car up for extra room underneath, use jackstands to hold car up.



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Drill out the existing 3/8" hole, located in the center of the lower control arm, using the 5/8" drill bit. Not the "stopper" on the drill? This is to keep the drill bit from drilling into the CV joint boot! Very important. Protect the rubber CV joint boot before you drill, or you will have to change

the boot afterwards, a very time consuming job!! Show here is the Driver's side of the car

STEP #1. Locate existing outer 3/8" diameter hole in control arm. Drill out hole to 5/8" diameter to better accept end-link assembly. Assemble the end-links to connect the existing holes in the A-arm and the bar eyes. Tie the mid-section of the bar up to the exhaust pipe to facilitate this. The bar eyes locate below the A-arm.



It is difficult to see, but the Passenger side of the car was also drilled out to 5/8".

Remove jackstands and allow the car to rest on the ramps, so as the car is in the "normal" riding position.

Assemble the sway bar and end links into the 5/8" hole you just drilled. Use Figure 2. The passenger side is shown assembled. Tighten until the nut reached the end of the threads on the bolt (the nut will stop) DO NOT cut off the excess threads after you tighten the endlinks, just leave them.



Do the same for the driver's side.



Support the sway bar, so as you can align the frame bushings.



Trial fit the front frame bushing. Mark the holes in the frame and then drill out the holes with the 3/8" drill bit. Shown here is the driver's side

STEP #2. Slip the mid-section bushing onto the mid-section under the frame. Position the bar bracket to support the bushing against the frame. Mark through the frame bracket holes for drilling. Drill the bottom of the frame with a 3/8" drill bit.



Do the same for the passenger's side



Mount the front cradle bushings, by installing the bolts from the

opening in the side of the frame.
The bolts will stick through the frame. Put cradle bushing/bracket in place and install locking nuts, as shown in Figure 3.

Tighten to 20ft/lbs.

STEP #3. Insert the 3/8" bolts provided into the frame from the side opening so that they drop out through the drilled holes. Secure the bar bracket, the bar and the bushings using the lock nuts on these bolts. Tighten to 20 ft/lb.



Do the same for the passenger side.



Double check everything to make sure there are not clearance problems with cables, hoses, exhaust, wiring, etc...

STEP #4. The installation is now complete. Road test your Fiero and accustom yourself to its new handling. As we cannot supervise your installation, or your driving, we cannot be responsible for more than the cost of the kit.



Lower car and take for a test drive!

Note the dip in the sway bar for the exhaust system? Be sure to align your sway bar this way when installing it.



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