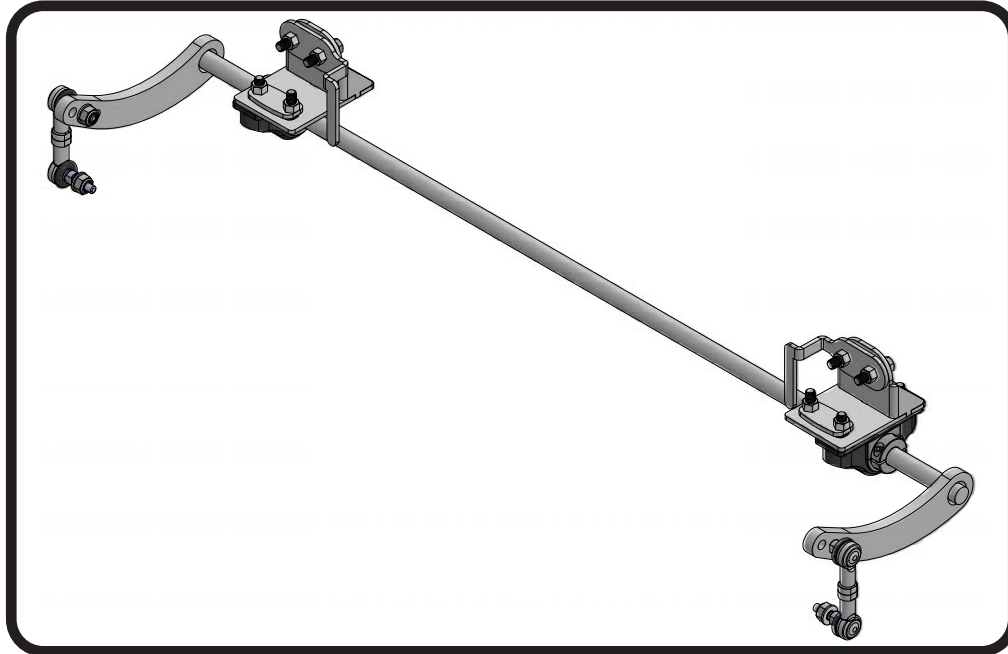




Part # 11539103

1963-1967/1968-1979 C2/C3 Corvette Rear Sway Bar



Recommended Tools



C2/C3 Corvette Rear Sway Bar Installation Instructions

Table of contents

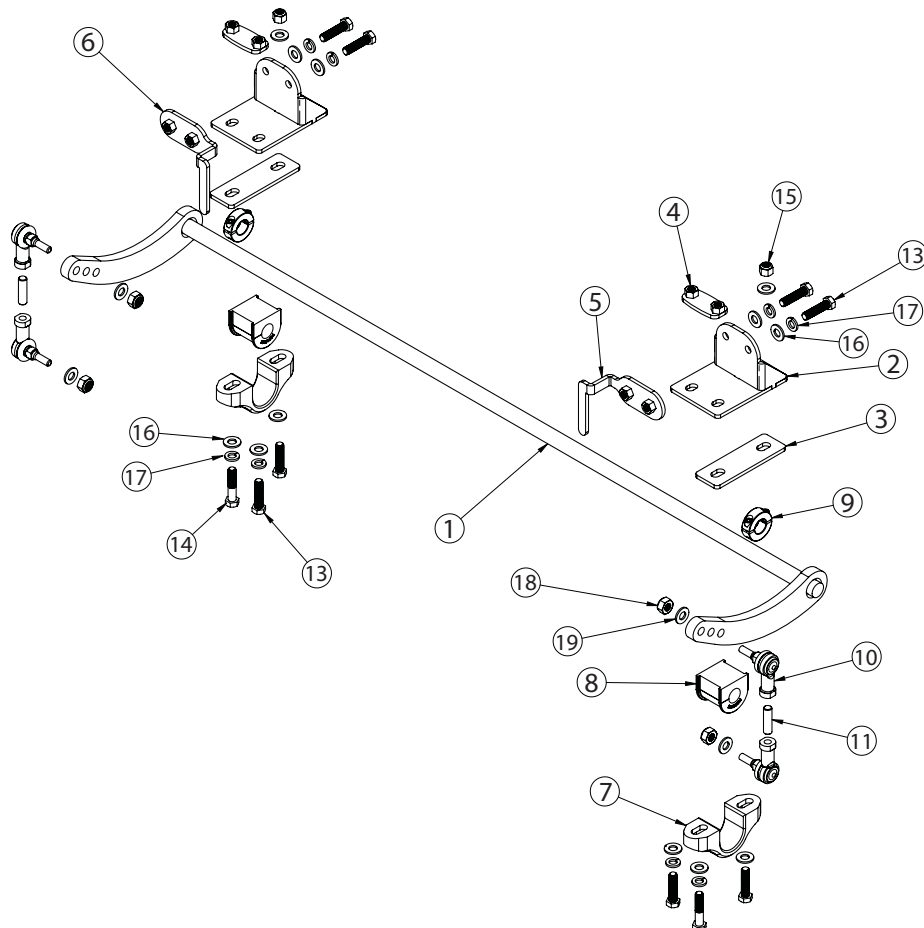
Page 2.....	Included Components
Page 3.....	Hardware List & Getting Started
Page 4.....	Sway Bar Mounts Installation
Page 5.....	Sway Bar Installation
Page 6.....	PosiLink Installation
Page 6.....	Adjustment





Major ComponentsIn the box

Item #	Part #	Description	QTY
1	90003545	Sway Bar Assembly	1
2	90002176	Sway Bar Mount Assembly	2
3	90002177	Sway Bar Bushing Spacer	2
4	90002185	Nut Plate NO Tab	2
5	90002186	Nut Plate with Tab (Driver)	1
6	90002187	Nut Plate with Tab (Passenger)	1
7	90001343	Billet Bushing Strap	2
8	70015011	Lined Sway Bar Bushing	2
9	70016540	Locking Ring	2
10	90003842	10mm 90 degree elbow (Preassembled Posilink)	4
11	99115001	M10-1.5 65mm stud (Preassembled Posilink)	2
12	90002275	Crush Washer (Preassembled Posilink)	2





Hardware ListIn the box (Kit# 99010233)

Item #	Part Number	Description	QTY
FRAME MOUNT/BILLET STRAP			
13	99371007	3/8"-16 x 1 1/2" Hex Bolt	8
14	99371024	3/8"-16 x 1 3/4" Hex Bolt	2
15	99372001	3/8"-16 Nylok Nut	2
16	99373002	3/8" SAE Flatwasher	12
17	99373006	3/8" Split Lock washer	8
END LINK			
18	99112002	M10-1.5 Nylok Nut	4
19	99373003	3/8" SAE Flatwasher	4

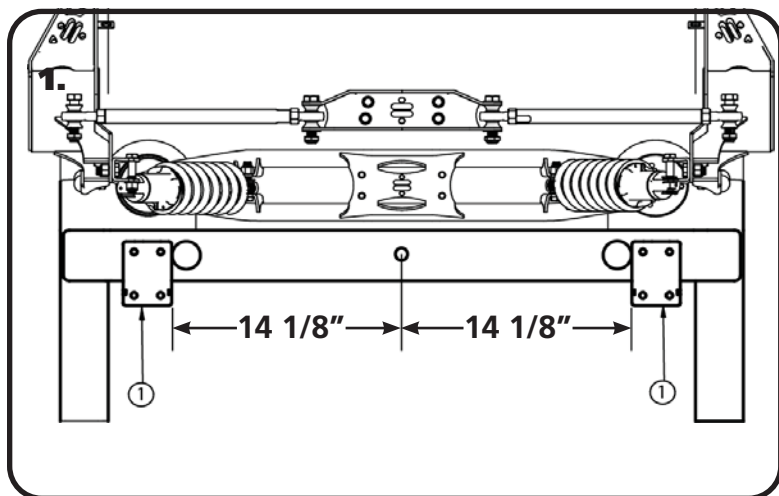
Getting Started.....

Congratulations on your purchase of the Ridetech Rear Sway Bar. This kit has been designed to give your Corvette excellent handling along with a lifetime of enjoyment. Some of the key features of this Sway Bar: Posilinks - The Posilink makes the reaction of the sway bar instantaneous, tunability - this sway bar has 3 positions to aid in the tuning of the handling of your Corvette.

This sway bar kit utilizes an anti-friction lining in the sway bar bushing. The lining allows the sway bar to move freely and quietly in the bushing. No lubrication is required.

Note: This MuscleBar is designed to be used with the Ridetech Rear StrongArm kit.

THE REAR SWAY BAR KIT WILL **NOT** WORK WITH A SPARE TIRE IN THE STOCK LOCATION.

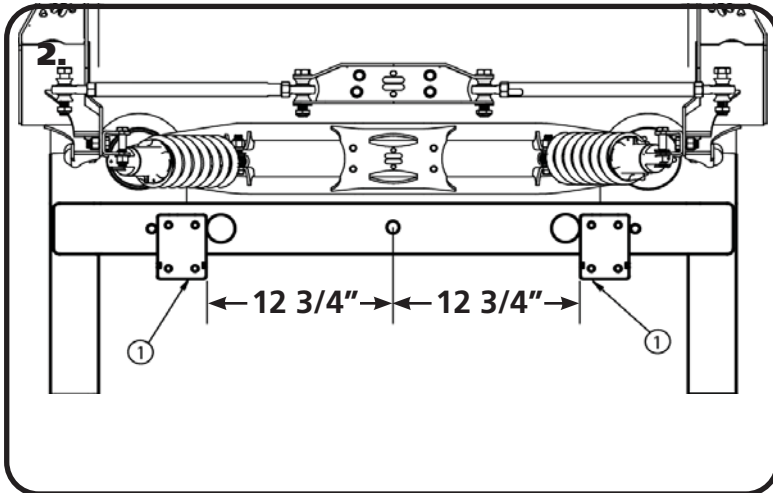


C3 Sway Bar Mounts

1. The holes for the sway bar mounts(1) will need to be drilled in the OEM crossmember. The mounts are positioned 14 1/8" from the center of the crossmember. Use the mounts as a template for drilling the holes in the crossmember. Position the mount 14 1/8" from the center of the crossmember to the inside edge of the mount. The TOP OUTER hole will line up with a factory hole in the crossmember. Mark remaining 3 holes and drill with a 7/16" drill bit. Do this for both brackets.



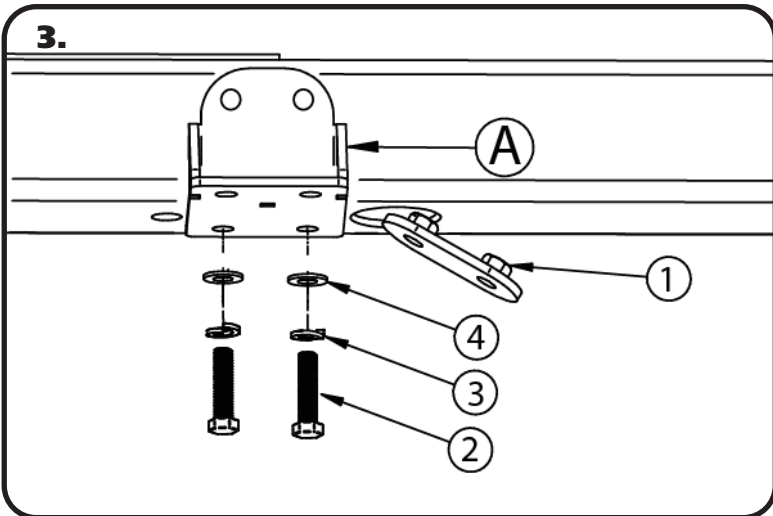
Sway Bar Mounts Installation



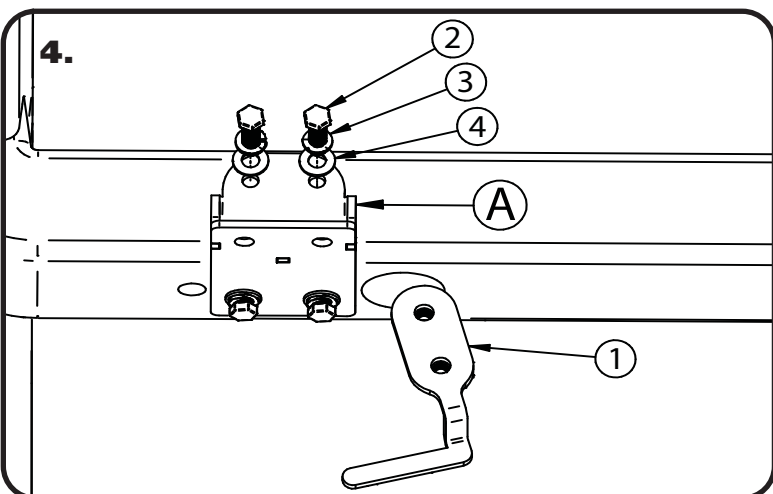
C2 Sway Bar Mounts

2. The holes for the sway bar mounts(1) will need to be drilled in the OEM crossmember. The mounts are positioned 12 3/4" from the center of the crossmember. Use the mounts as a template for drilling the holes in the crossmember. Position the mount 12 3/4" from the center of the crossmember to the inside edge of the mount. Mark the 4 holes and drill with a 7/16" drill bit. Do this for both brackets.

Note: The Driver and Passenger Mounting Brackets are identical.



3. Insert the nut plate (1) through the large hole in the crossmember and line it up with the holes drilled in the previous step. Hold the sway bar mount in place (A). Thread a 3/8" x 1 1/2" hex bolt (2), with a 3/8" split lock washer(3), and 3/8" flat washer (4) installed on the bolt, into each bottom hole. Tighten the inner bolt to 30 ft-lbs, leaving the outer bolt loose. The outer bolt will be used to attach the sway bar in a later step.

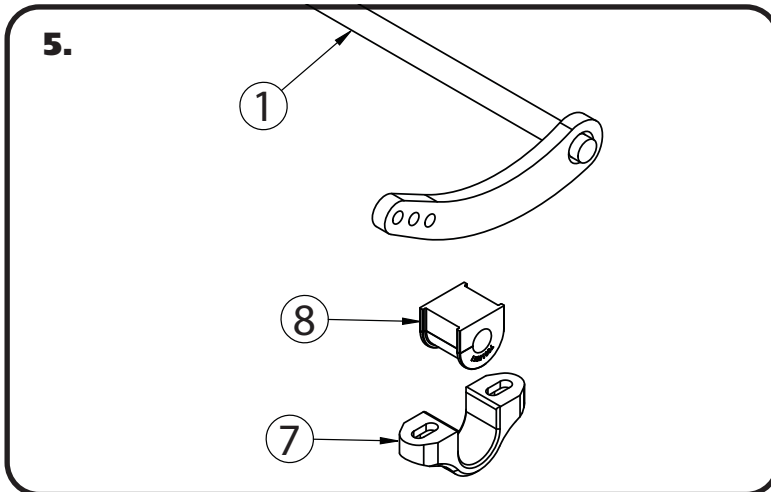


4. Insert the nut plate with tab(1) through the large hole in the crossmember and line it up with the holes drilled in the previous step. Thread a 3/8" x 1 1/2" hex bolt (2), with a 3/8" split lock washer(3), and 3/8" flat washer (4) installed on the bolt, into each bottom hole. Torque both bolts to 30 ft-lbs. Do this for both sides

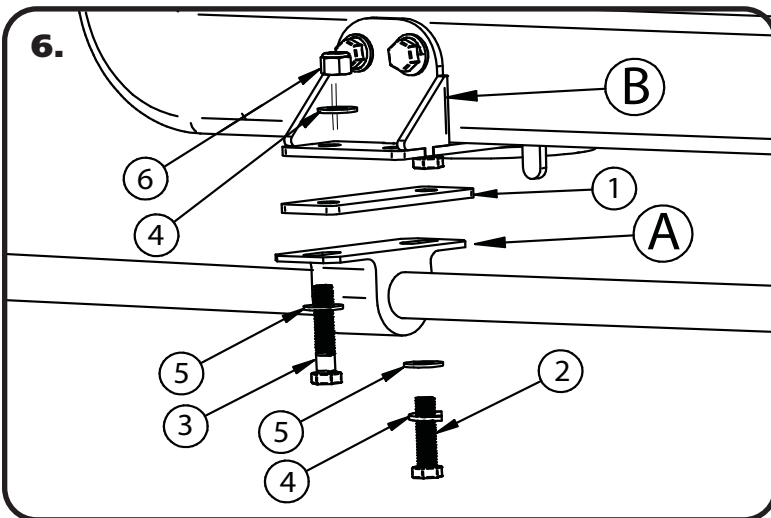
Note: When positioned correctly, the tab on the nut plate is bent away from the mounting surface.



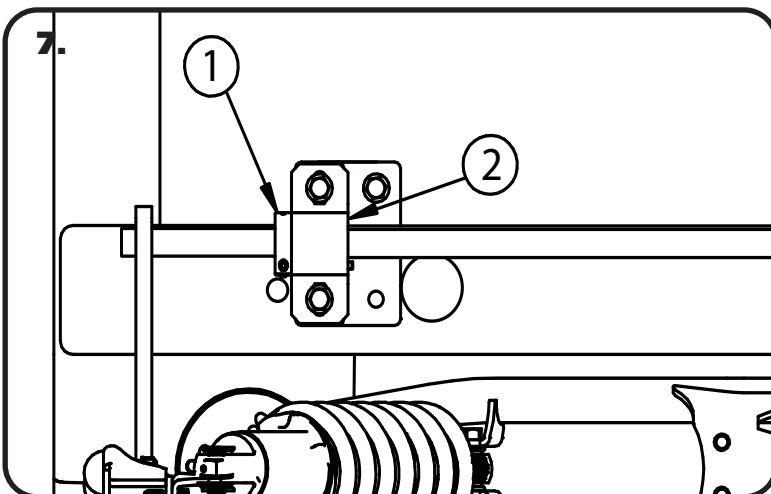
Sway Bar Installation



5. Install the sway bar bushings and straps on the sway bar. They are positioned approximately - **5" on C2, 3 1/2" on C3** - from the end of the sway bar to the outside edge of the bushing. To install the bushing, remove the mounting strap from the bushing. Open the bushing at the slice on the edge of the bushing. Slide the bar through the slice. Reinstall the mounting strap.



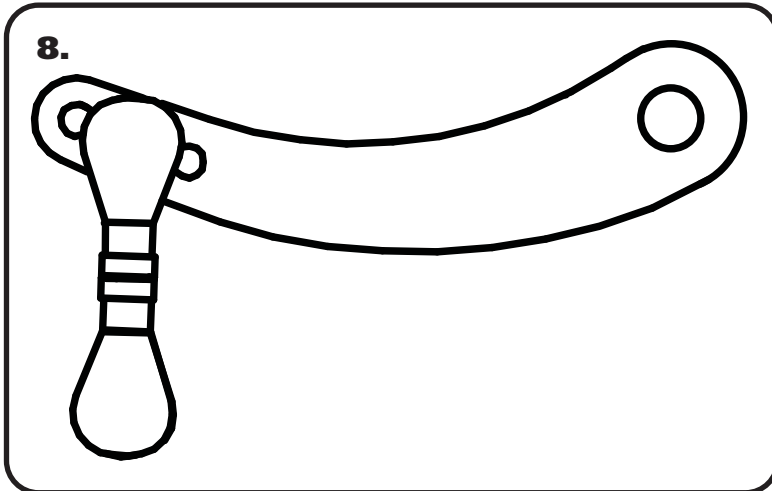
6. Install the sway bar onto the mounts using the supplied spacer(1) between the bushing(A) and the mount(B). Insert a 3/8" x 1 1/2" hex bolt(2), 3/8" split lock washer(4), and a 3/8" flat washer(4) in the front bushing assembly. In the rear of the bushing assembly, insert a 3/8" x 1 3/4" Hex bolt(3) and 3/8" flat washer(5) from the bottom. Install a 3/8" flat washer(5) and 3/8" nylok nut(6) on the bolt from the top. Leave the retainers loose enough that the bar can be moved in the bushings.



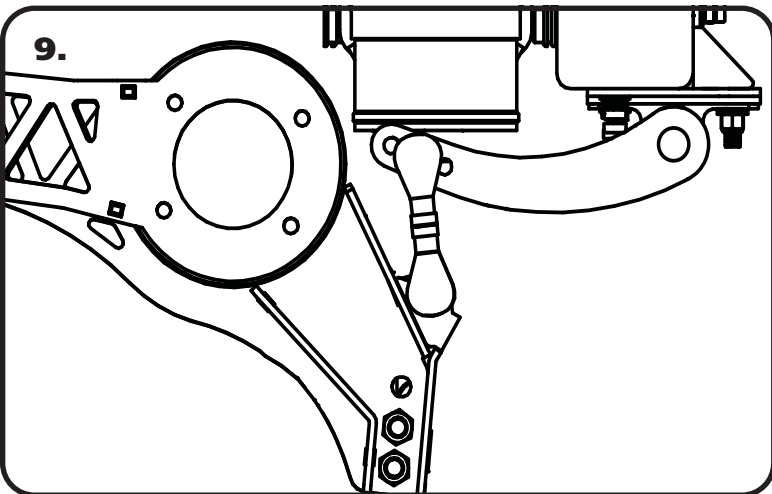
7. Center the bar by measuring from the edge of the bushings to the end of the bar. With the bar centered, tighten the bushing assembly hardware. Install a Locking collar(1) on each end of the sway bar(2). Slide the locking collars against the bushings and Tighten the collar.



PosiLink Installation



8. Install a PosiLink assembly into the center hole one each sway bar arm. **Install the Posilinks in opposite sides of the 2 arms.** Install a 3/8" flat washer on the Threaded stud of the Posilink, insert the stud into the arm. Install a 3/8" flat washer and 10mm nylok nut onto the stud and tighten. Torque to 37 ft-lbs.



9. With both arms clocked, the Posilinks can be permanently attached to the StrongArm. Install a 3/8" flat washer on the threaded stud of the Posilink, insert the stud into the arm. Install a 3/8" flat washer and 10mm nylok nut onto the stud and tighten. Torque to 37 ft-lbs.

Sway Bar Adjustment

The Sway bar has 3 positions to aid in the tuning of your Corvette's handling. We start in the center position and tune from there. The Position to the rear of the car will make the sway bar stiffer. The position to the front of the car will make the sway bar softer.