

# FRONT SWAY BAR KIT

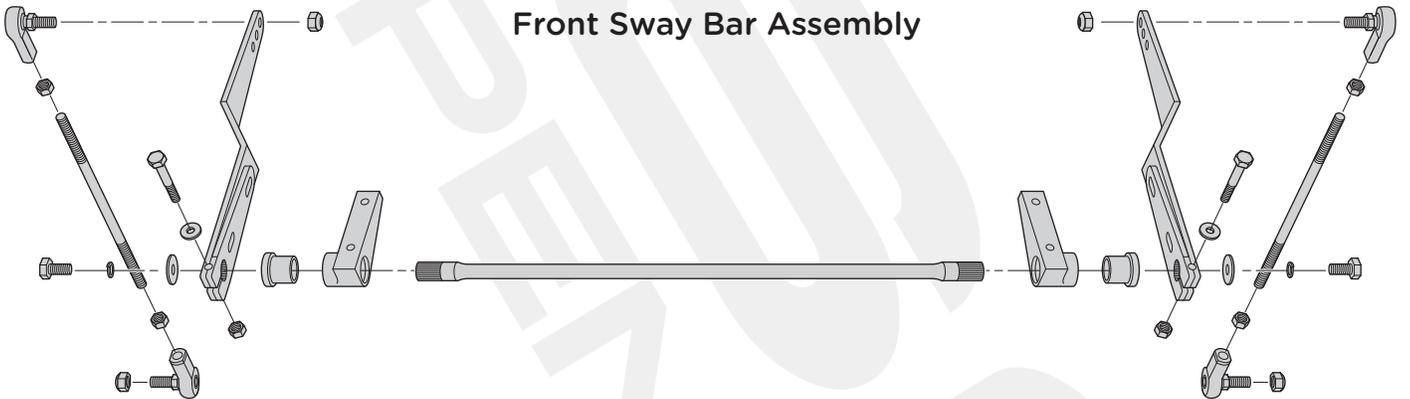


**Components:**

-  36" Sway Bar  
Qty 1
-  Sway Bar Arms  
Qty 2
-  Aluminum Mounting  
Brackets  
Qty 2
-  Delrin Bushings  
Qty 2

**Hardware:**

-  End Link Rods  
Qty 2
-  Rod Ends  
(RH Thread)  
Qty 2
-  Rod Ends  
(LH Thread)  
Qty 2
-  1/2" Jam Nuts  
(RH Thread)  
Qty 2
-  1/2" Jam Nuts  
(LH Thread)  
Qty 2
-  1/2" Lock Nuts  
Qty 4
-  5/16" Hex Head Bolts  
Qty 2
-  5/16" Flat Washers  
Qty 2
-  5/16" Lock Washers  
Qty 2
-  3/8" Hex Head Bolts  
Qty 2
-  3/8" Flat Washers  
Qty 2
-  3/8" Lock Nuts  
Qty 2



**Tools Required:**

- Hydraulic Jack/Jack Stands
- 1/2" Socket/Wrench
- 9/16" Socket/Wrench
- 9/16" Open-End Wrench
- 5/8" Socket/Wrench
- 3/4" Socket/Wrench
- 3/4" Open-End Wrench
- Socket Wrench Extension
- Rubber Mallet/Dead Blow Hammer
- Torque Wrench

**Safety Warning:**

Aftermarket suspension systems or components may cause your vehicle to handle differently than it would with factory components. Please use caution to prevent loss of control or vehicle rollover during quick sharp turns and other sudden maneuvers. Thoroughly inspect vehicle suspension and components before and after every off-road use.

RSO Suspension recommends the use of your Factory Service Manual for disassembly and assembly of factory and related components. Tighten all bolts and hardware to factory torque specifications unless otherwise specified in this instruction.

# INSTRUCTIONS:

## 1. Remove Factory Front Sway Bar

Begin by raising and supporting the vehicle using a hydraulic jack and jack stands.

Once the vehicle is supported, disconnect the factory sway bar end links from the front axle using a 3/4" Socket/Wrench and 3/4" Open-End Wrench.

Next, remove the two bolts connecting the sway bar mounting brackets to the frame on each side of the vehicle using a 5/8" Socket/Wrench and Socket Wrench Extension. Retain these bolts to be used for installation.

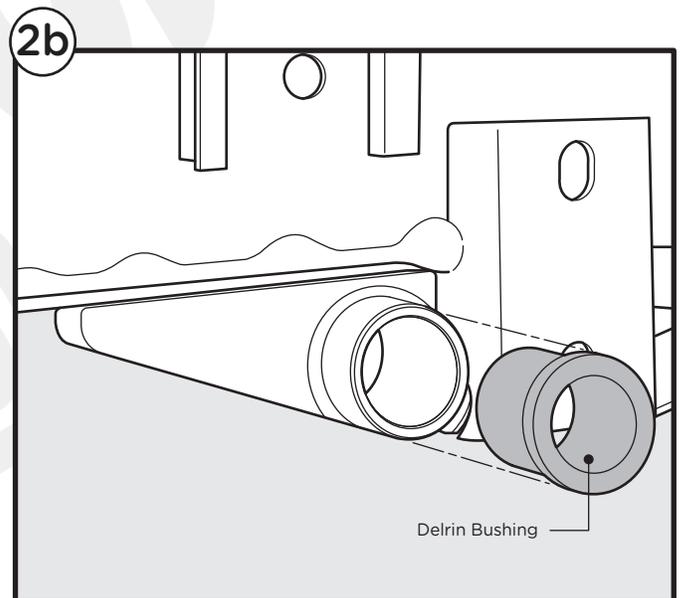
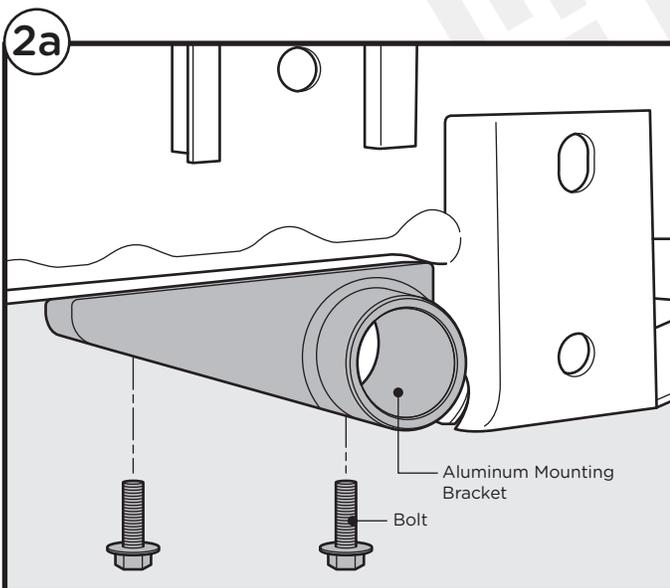
Once these bolts have been removed, you may remove the factory sway bar assembly from the vehicle.

**Note:** Rubicon models equip with electronic sway bar disconnect will require additional steps for removal. You will need to remove the bolt from the rubber isolator hanger as well as disconnect the electrical connector from the actuator.

## 2. Install Front Sway Bar

Begin by installing the Aluminum Mounting Brackets to the frame using the factory bolts. Fasten these bolts using a 5/8" Socket/Wrench and Socket Wrench Extension. The Aluminum Mounting Brackets will be installed with the bushing sleeve to the outside of the vehicle. Torque to 75 ft lbs. (2a)

Next, insert the Delrin Bushings into the bushing sleeve in the Aluminum Mounting Brackets. You may need to use a rubber mallet or dead blow hammer to fully seat these bushings. (2b)



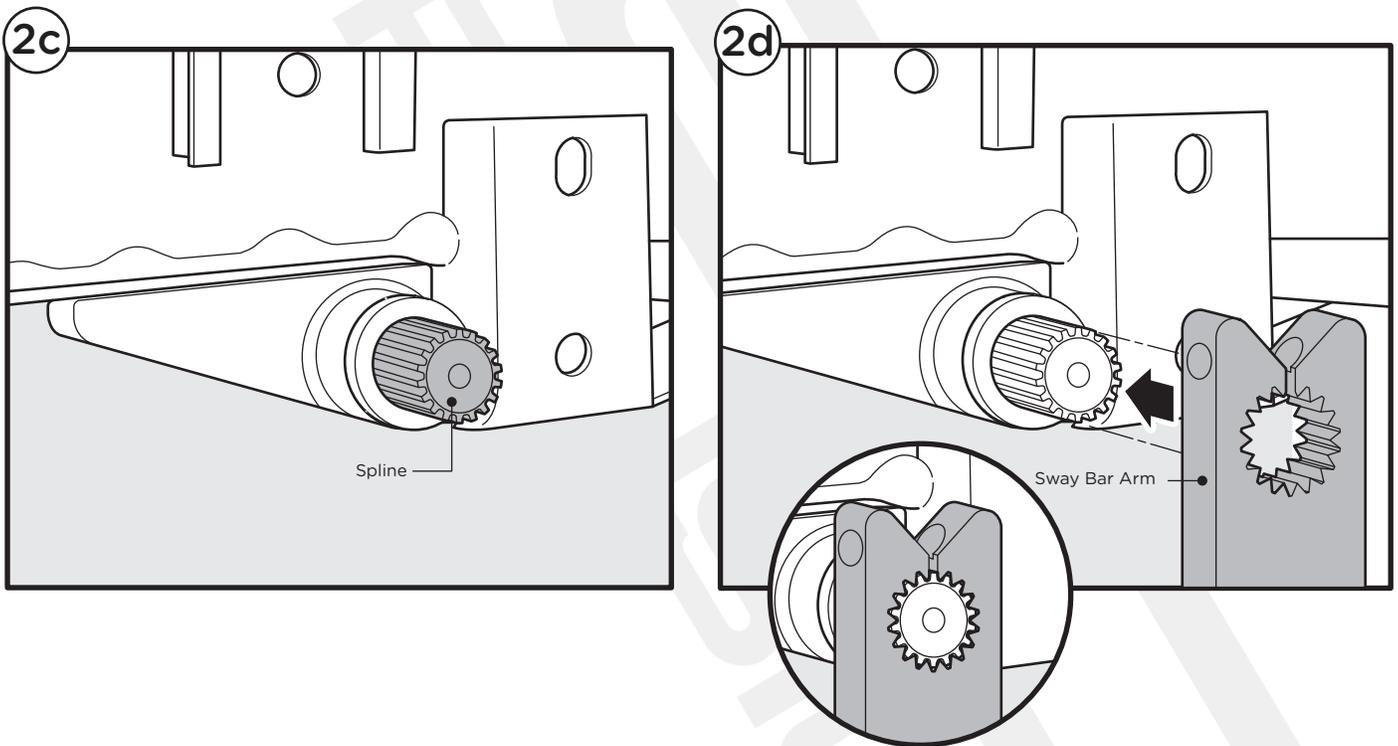
Once the bushings have been installed, you may now slide the 36" Sway Bar through one side of the Aluminum Mounting Brackets and extend to the opposite side of the vehicle. You may need to use a rubber mallet or dead blow hammer to get the splines to pass through the Delrin Bushings. Make sure that the splines are protruding evenly on both sides. (2c)

Slide the Sway Bar Arms over the protruding splines on the Sway Bar making sure that the arms are "clocked" to the same position on each side. (2d)

With a 1/2" Socket/Wrench, fasten the Sway Bar Arms to the Sway Bar using one (1) 5/16" Hex Head Bolt, one (1) 5/16" Lock Washer and one (1) 5/16" Flat Washer per side.

Using a 9/16" Socket/Wrench and a 9/16" Open-End Wrench, tighten the pinch sleeve on the end of the Sway Bar Arms to ensure that the splines won't slip on the Sway Bar by using one (1) 3/8" Hex Head Bolt, one (1) 3/8" Flat Washer and one (1) 3/8" Lock Nut.

Rotate the the Sway Bar Arms prior to connecting the end links to make sure there is no interference.



### 3. Connect Sway Bar End Links

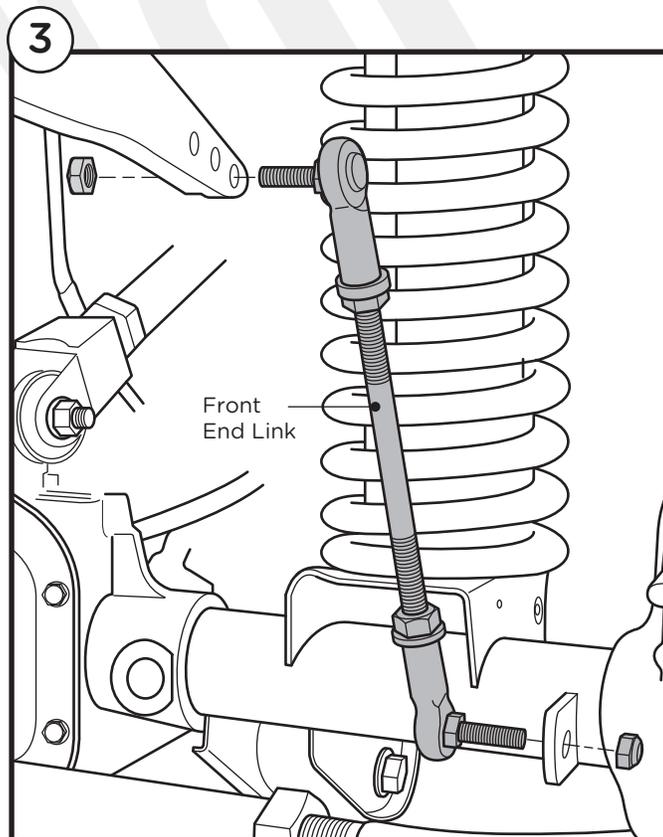
To correctly adjust the Sway Bar End Links, the vehicle will need to be raised to where the axle assembly is in the middle of its travel.

Once the axle assembly is supported in the middle of its travel, rotate the Sway Bar Arms to where they are parallel with the ground.

Turn the Sway Bar Rod Ends to adjust the length of the End Links to match the distance between the mounting points on the Sway Bar Arms and the axle mount. Once installed, let the axle droop to its lowest point, make sure the sway bar arms and end links do not form a straight line. If this happens, you run the risk of overextending the sway bar and inverting the end links, causing damage to the sway bar, end links, and other suspension components.

There are three mounting locations on the Sway Bar Arms to attach the end links. Using the first mounting point closest to the end of the arm will offer the lowest resistance with the most flex. Resistance and stiffness will be increased as you move to the second and third mounting locations.

Fasten the Rod Ends to each mounting point using one (1) 1/2" Lock Nut on each Rod End. Hold the Rod End stud to keep from spinning with a 9/16" Open End-Wrench and tighten the 1/2" Lock Nut with a 3/4" Socket/Wrench.



### 4. Post Installation

Upon completion of installation and within 50 miles of driving, it is necessary to check and ensure all hardware is properly torqued to factory specifications as noted in the factory service manual or as specified in this instruction.