



**RJ-286100-101 2021-UP BRONCO FRONT ANTIROCK® SWAY BAR KIT  
INSTALLATION INSTRUCTIONS & TECHNICAL MANUAL**



Thank you for purchasing our Antirock® Sway Bar Kit for your 2021-up Ford Bronco; the finest off-road sway bar system on the market! This sway bar system will allow for maximum articulation while still providing some resistance to the suspension, resulting in improved overall footing and traction under off-road conditions.

**WHEEL/TIRE WARNING:** be aware, on vehicles that are equipped with STOCK (or stock +33mm offset) wheels, when used with factory or aftermarket installed 35 in. tires, you may see the corner of the tire rub at the back end of the Antirock arm on one or both sides.

**Kit Includes**

- 1) CE-99001B.....36" Antirock Torsion Bar
- 2) RJ-281101-101.....Fabricated Steel Frame Bracket
- 1) RJ-282101-101.....15" Fabricated Steel Antirock Arms (pr.)
- 2) CE-9901D.....Sway Bar Bushings
- 2) RJ-283100-1.....3 1/2" long threaded end link rod
- 2) RJ-527000-101.....Sway Bar End Link Sealed Rod End (RH)
- 2) RJ-527000-102.....Sway Bar End Link Sealed Rod End (LH)
- 2) CE-99002JN.....1/2"-20 Jam Nut (RH Thread)
- 2) CE-H0020.....1/2"-20 Jam Nut (LH Thread)
- 2) RJ-526000-1.....Billet Steel End Link Control Arm Mount
- 1) RJ-281100-1.....End Link Control Arm Mount Lock (LH)
- 1) RJ-281100-2.....End Link Control Arm Mount Lock (RH)
- 2) CE-H0021.....End Link Control Arm Mount Nut
- 1) CE-99005A.....Antirock® Arm Hardware Kit
- 1) RJ-720301-101.....Antirock® Decals (pr.)



**Torque Specs.**

- Factory Frame Bolts/New Bracket Bolts.....66 ft. lbs.
- End Link Mount at Control Arm.....80 ft. lbs.
- Sway Bar Arm Pinch Bolts.....37 ft. lbs.
- Sway Bar Arm Allen Bolts.....5ft. lbs.
- End Link Rod End Nuts.....65 ft. lbs.\*\*

\*\* as you'll see, the studs on these rod ends feature an allen hole in their tip so that an allen wrench may be inserted for tightening. Obviously, this would prevent the use of a torque wrench. Simply tighten as tight as you can with a wrench and an allen wrench. At this point, the nut is usually gripped tight enough that you can use a torque wrench on it without the rod end's pin spinning.

**NOTICE: Special Tools Required**

- SAE & Metric Wrenches
- SAE & Metric 1/2" Drive Sockets
- 1/2" Drive Ratchet and/or 1/2" impact wrench
- 1/2" Breaker Bar
- Metric Allen Wrench Set
- Torque Wrench



Installation of this kit requires a thru-hole ratchet, shown to the right.

The thru-hole ratchet & socket kit that we used in this install was purchased at Harbor Freight under their item number 62305.

See Step 18.

Instructions start on the next page...



### Step 1

We'll start the new sway bar system install by removing the old sway bar!  
Begin by removing the nuts on both sides that attach the sway bar end link to the front lower control arms.  
These nuts may be discarded.



### Step 2

Next, remove the 2 bolts on each side that attach the factory sway bar bushing brackets to the bottom of the frame.  
Retain the 4 bolts for reuse.

### Step 3

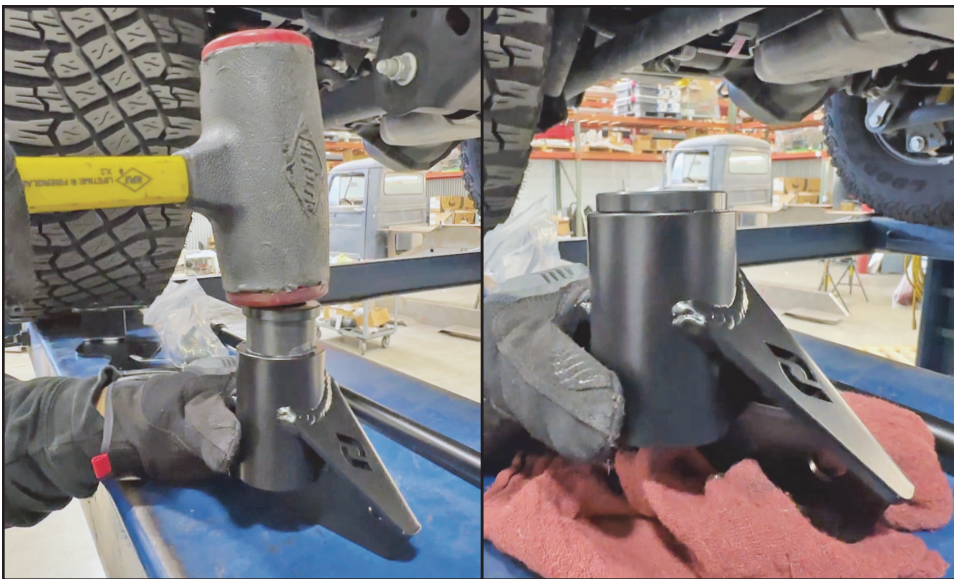
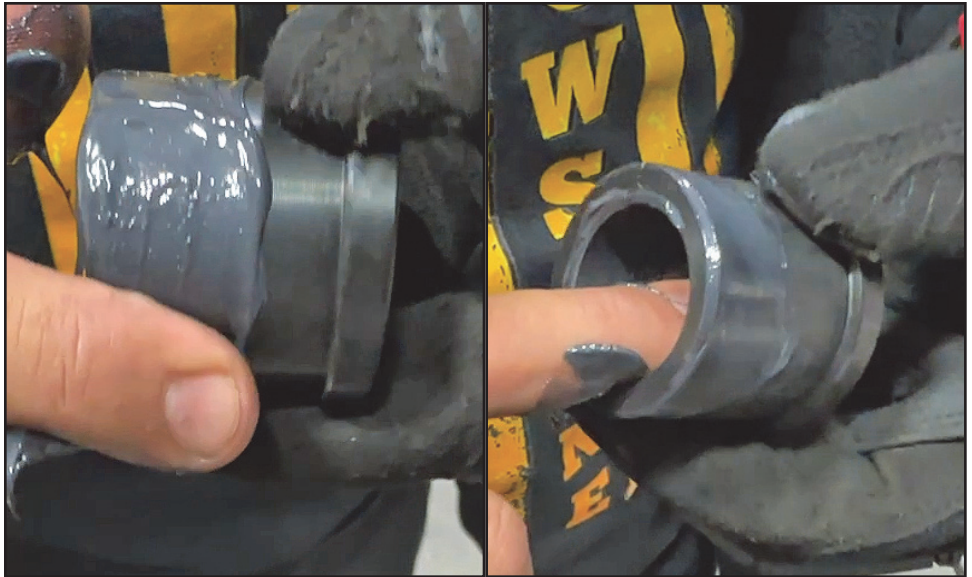
You may now remove and discard the entire factory front sway bar as an assembly.





#### Step 4

Locate the 2 black UHMW sway bar bushings in the Antirock kit.  
Prepare them for use by coating their OD and ID with black chassis grease, as shown.



#### Step 5

The new frame brackets in the Antirock kit are the same - as in not right hand / left hand side specific.  
Install the bushings into the brackets as shown.

#### Step 6

Slide a bracket and bushing assembly onto the sway bar torsion bar.





### Step 7

Then follow up with the other bracket and bushing assembly.



### Step 8

If you have any trouble getting the bracket and bushing assemblies onto the bar, you can tap them with a mallet.

### Step 9

Position the new torsion bar and bracket assembly into place, aligning the holes in the new brackets with the factory sway bar's holes in the frame.

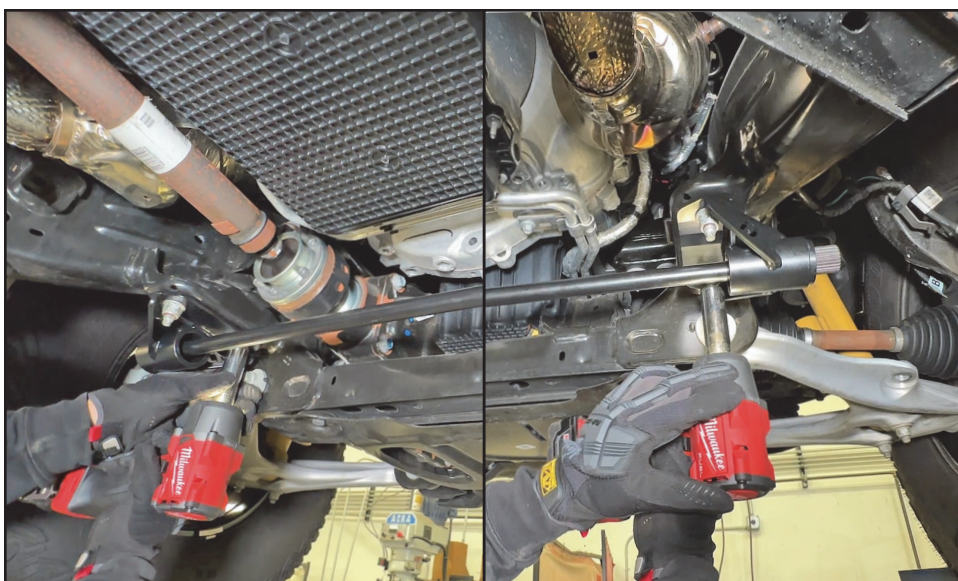
Start one of the original bolts to hole the new unit into place.





### Step 10

Follow up by inserting the other 3 factory bolts back into the holes.



### Step 11

Now go back and tighten all 4 bolts.

### Step 12

Locate all of the sway bar end link components in the new Antirock kit.

Assemble the 2 end links to look like the photo at the lower right.

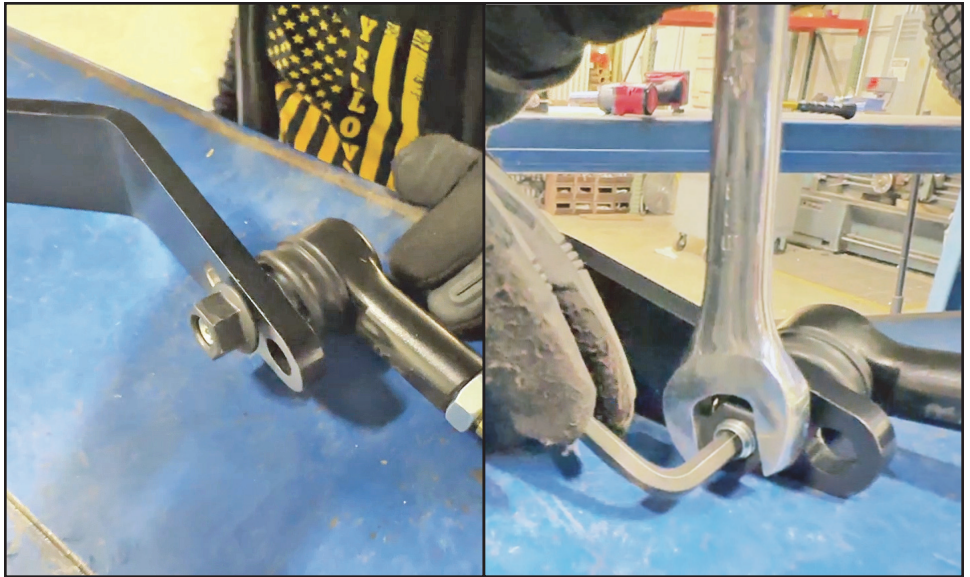
You may thread the rod ends all the way on until they stop.





### Step 13

Attach your assembled sway bar end links to the new sway bar arms as shown. Note the direction of the bend in the arms.

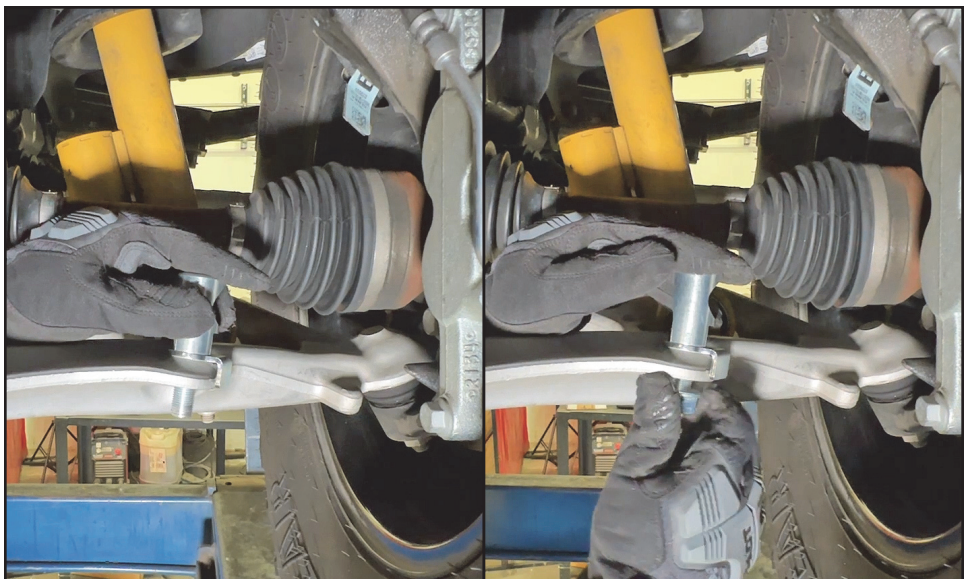


### Step 14

Pre-assemble the sway bar end link control arm mounts by sliding the RH and LH side specific lock tabs onto the double-D shaped hub on the bottom of the machined mount as shown (downward pointing tab on the same side as the large bore on the mount). Additionally, locate the nuts for the bottoms of the mounts.

### Step 15

Again noting RH and LH specific of these assemblies, install the sway bar end link mounts into the factory sway bar end link holes in the lower control arms on their respective sides with the larger bore in the mount and the small tab facing outward toward the tire.

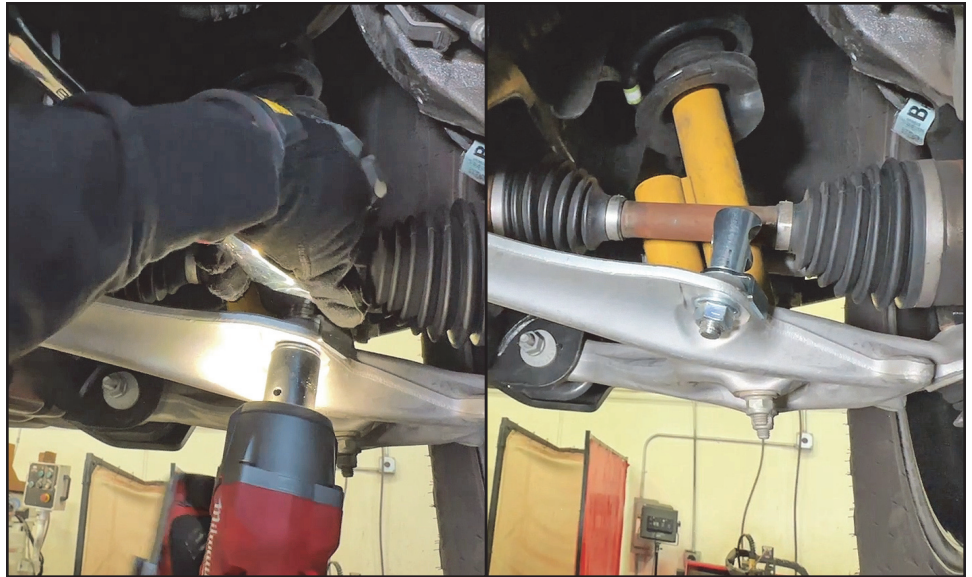




## Step 16

Ensuring that the locks are indexed properly onto the end link mounts, rotate the mounts until the locks stop against the control arms as shown, and then tighten.

The finished installed units should look like the photo on the far right.



## Step 17

You can now slide your 2 arms with end links attached onto the splined sway bar torsion bar, making sure they are locked the same from right to left.

Then go ahead and insert the end link end studs into the hole in the end link mounts on the control arms.

## Step 18

Next you'll thread the nut for the end link rod end onto the stud by inserting the nut into the bore in the machined mount.

Tightening these nuts requires a 6mm allen wrench and then this where the previously mentioned special, thru-hole ratchet with 18mm socket comes into play.

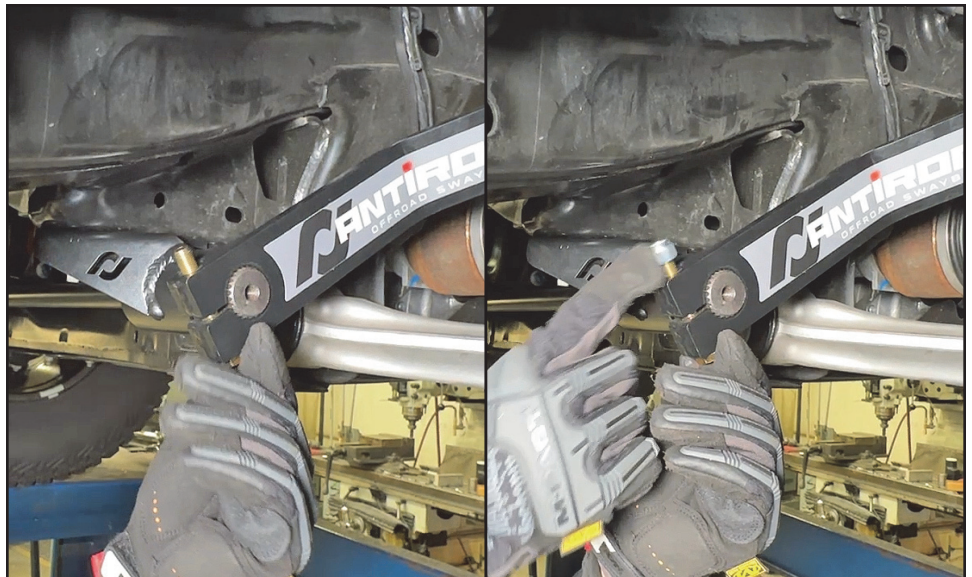
Again, easiest way to obtain this ratchet/socket combo, if you don't have one on hand is to pick up Harbor Freight's item number 62305.





### Step 19

Open the sway bar arm hardware back and insert the two 3/8" pinch bolts in to the sway bar arms from the bottom, and then add the 3/8" nyloc nuts on top, as shown.

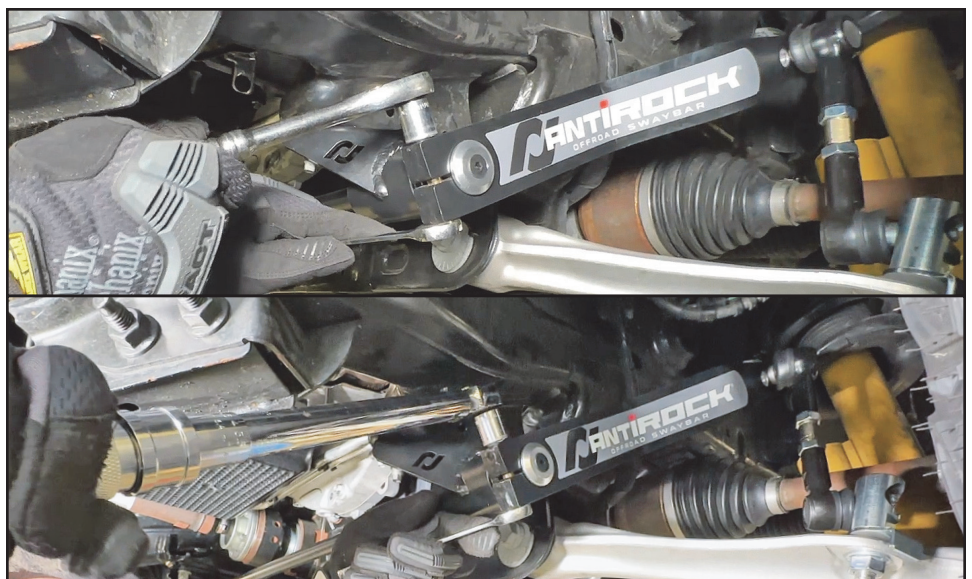


### Step 20

Next, place the aluminum finish washers over the end of the bar and install and tighten the flat head allen bolts.

### Step 21

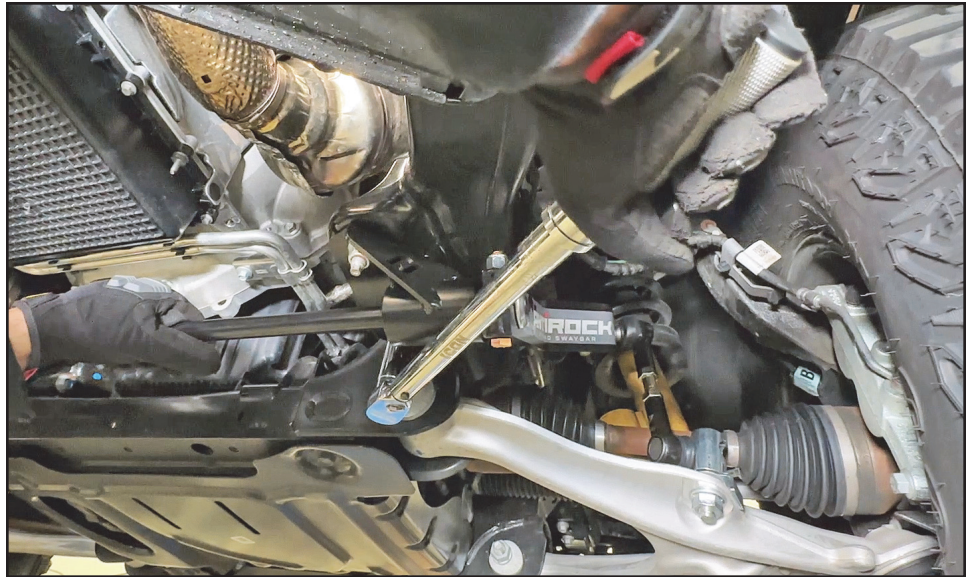
Now go back and tighten the 3/8" pinch bolt and then torque it to 35 ft. lbs.





## Step 22

Torque the 4 frame bracket bolts to XX ft. lbs.



## Step 23

Give the rods on the end links a turn to make sure they are not preloaded. If they are, adjust one to reduce the load on both.

You may then tighten their jam nuts, being mindful to keep the rod ends clocked properly so they are not pre-articulated once tight.

Lastly, grab ahold of the end link units and rotate them, again, to set all of the rod ends in a neutral position.

## Step 24

This finishes your install and you should now be seeing what is in the photo on both sides of your vehicle!

