

ANTIROCK®

OFFROAD SWAYBAR

CE-9900JLF & CE-9900JLFA JEEP JL WRANGLER & UNLIMITED AND JT GLADIATOR FRONT ANTIROCK SWAY BAR KIT INSTALLATION INSTRUCTIONS & TECHNICAL MANUAL



Kit Fits

- All models of 2018 & up Jeep JL Wrangler & Unlimited and JT Gladiator (except Mojave edition)

Kit Includes



(1) CE-99001B.....	36" Antirock® Bar
(1) CE-9900JLFL.....	Frame Mounting Bracket (L)
(1) CE-9900JLFR.....	Frame Mounting Bracket (R)
(2) RJ-202001-101 or CE-99003-JKLA.....	Arms (forged or aluminum)
(2) CE-9901D.....	Bushing
(4) CE-98093A624.....	M10 x 1.5mm x 30mm Bolt
(2) CE-99005B3.....	5/16" -24 x 7/8" Allen Bolt
(2) CE-91090A111.....	5/16" x 1.35" o.d. Aluminum Body Washer
(2) CE-91257A661.....	3/8" -24 X 2 1/2" Bolt
(2) CE-95615A150.....	3/8" -24 Nylock Nut
(2) CE-9901RD4.....	8 1/2" End Link Rod
(1) CE-99006.....	End Link Studded Heim (RH)
(1) CE-99006B.....	End Link Thru-Bolt Heim (RH)
(2) CE-99006L.....	End Link Studded Heim (LH)
(4) CE-95615A220.....	1/2" -20 Nylock Nut
(2) CE-95462A525.....	1/2" -20 Jam Nut (RH Thread)
(2) CE-H0020.....	1/2" -20 Jam Nut (LH Thread)
(1) CE-91257A751.....	1/2" -20 x 3" Grade 8 Bolt
(2) CE-H0014.....	1/2" Flat Washer
(2) CE-9900JLFS.....	Heim Spacer
(1) RJ-720301-101.....	Antirock Arm Stickers (pr.)

Tools Needed

- 11mm or Crescent wrench
- 14mm sockets
- 15mm wrenches & sockets
- 18mm wrenches & sockets
- 3/16" allen wrench
- 9/16" wrenches & sockets
- 5/8" wrench
- 3/4" wrenches & sockets
- Mallet
- Blue loctite
- Tape Measure

Installation Instructions

***** Notes: for this install vehicle should be unloaded and on flat, level ground. Use blue loctite on all hardware that you install. Kit does not work on JT Mojave Editions! *****

- 1) Remove the factory front anti-sway bar and links using a 15mm socket at the frame and and 18mm socket and wrench at the housing tab.
- 2) Knock the white Antirock® bushings into the frame brackets from the sides of the brackets that have the protruding hubs. (Fig. 1)
- 3) Using the supplied 10mm thread bolts, some blue loctite and a 14mm socket, install the frame brackets to the bottoms of the frame rails, protruding hub side facing out. Tighten and torque brackets to 40 ft. lbs. NOTE: all frames have variances! In our instance, the leading edge of the driver's side bracket contacted a frame bracket weld and we had to grind the weld down a touch for clearance. (Fig. 2)
- 4) Grease the insides of the white bushings and both ends of the sway bar and then install the bar thru the 2 bushings. Center the bar in the bushings. This step will most likely require the use of a mallet. (Fig. 3)
- 5) Install the 2 Antirock® arms (steel or aluminum) onto the sway bar splines. Make sure to clock the arms the same from side to side. Install the 5/16" flat head allen bolts & tapered aluminum washers into the threaded holes at the ends of the bar (use blue loctite) to retain the arms to the bar. Next, install the 3/8" bolts and nyloc nuts into the ends of the arms and tighten with a 9/16" wrench & socket. (Fig. 4)
- 6) Assemble the end links by putting the jam nuts onto the 8 1/2" rods first, and then thread the heim joints on. Set to 10 1/2" from center to center (Fig. 5) See adjustment recommendations on last page.
- 7) Install and tighten the link with the thru-bolt heim onto the passenger's side using 5/8" & 3/4" wrenches at the top (Fig. 6) and a 3/4" socket and wrench at the housing side. NOTE: install the heim joint spacers, small side toward the heim, on both sides of the lower heim when installing! (Fig. 7)

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- 8) When installing the driver's side link, adjust its length as necessary to allow it to slide in freely so as not to preload the sway bar. Then tighten the link to the sway bar arm and the housing tab using 5/8" & 3/4" wrenches. (Fig. 6)
- 9) Lock down the end link jam nuts with an 11mm or Crescent & a 3/4" wrench.
- 10) If you removed your wheels and tires for this installation process, reinstall them now and torque to the factory specs. Congratulations, you're done!

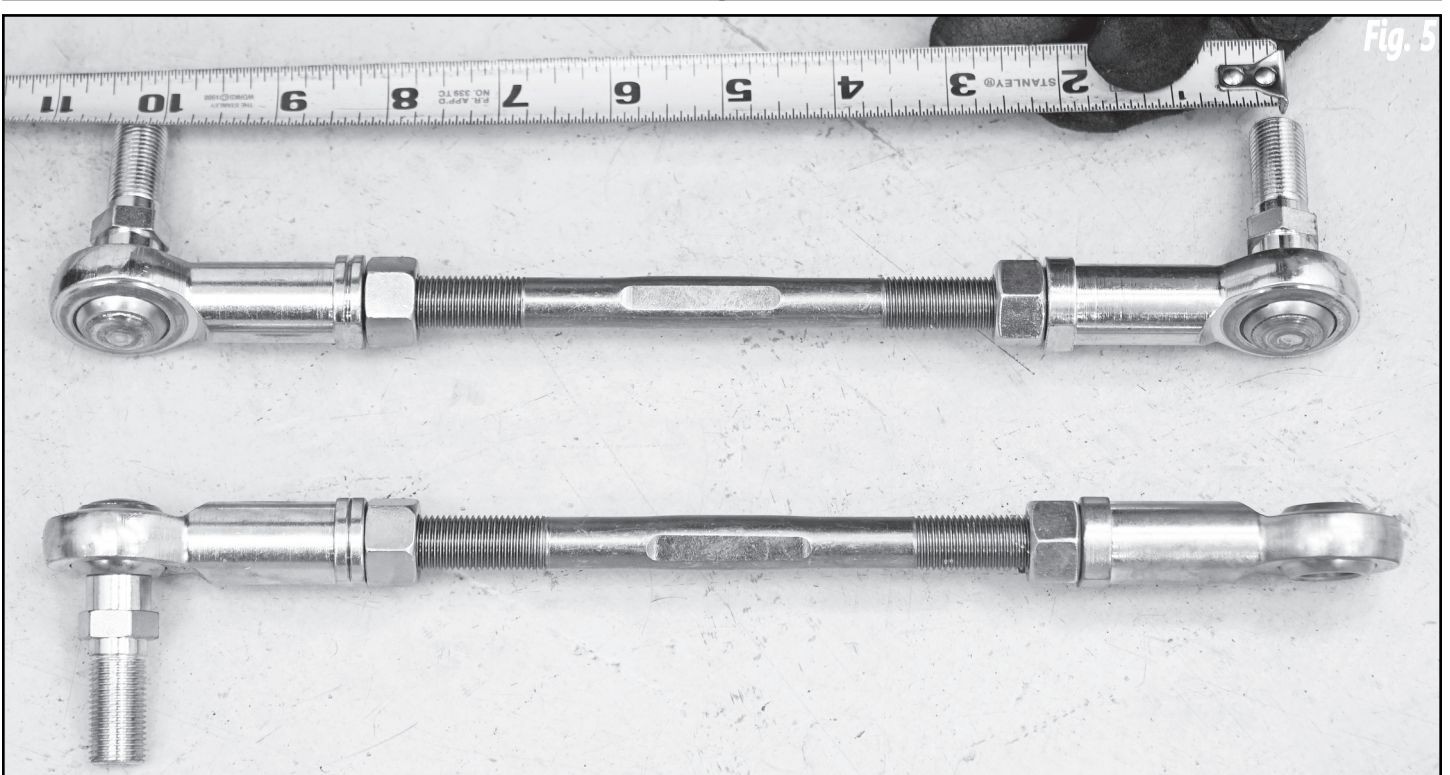
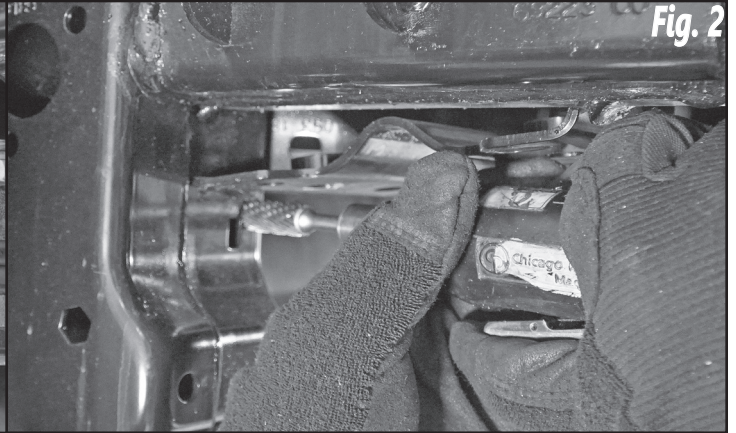
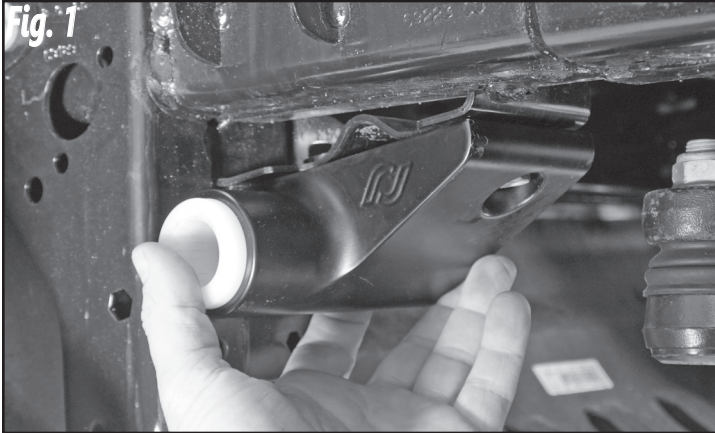
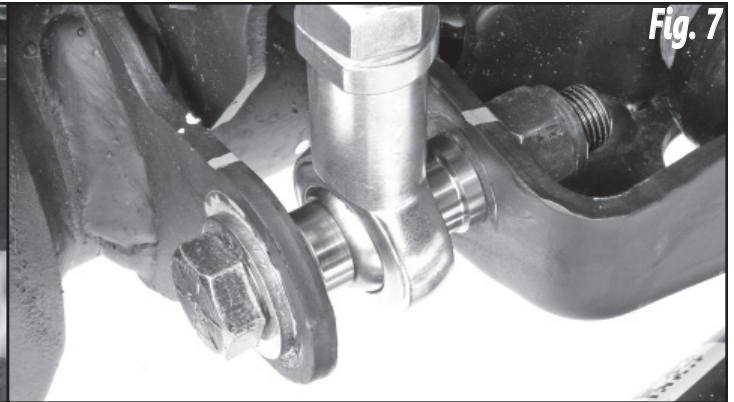


Fig. 6



Fig. 7

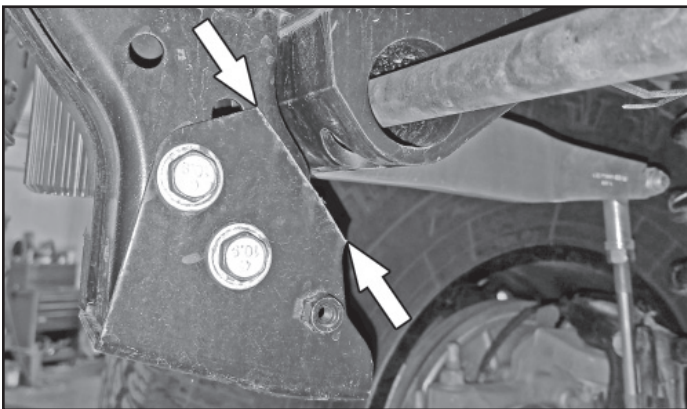


Torque Specs.

M10.....40 ft. lbs.
5/16"-24.....20 ft. lbs.




3/8"-24.....35 ft. lbs.
1/2"-20.....85 ft. lbs.

Lug Nuts.....to wheel manufacturers specs.



Rubicon Model Modification

You will find that your Rubicon model JL or JT vehicle will require some minor trimming to the bumper braces (illustrated in the photo to the left), to allow clearance for the Antirock frame brackets to mount without interference. This can easily be done with a sawzall or an air saw.

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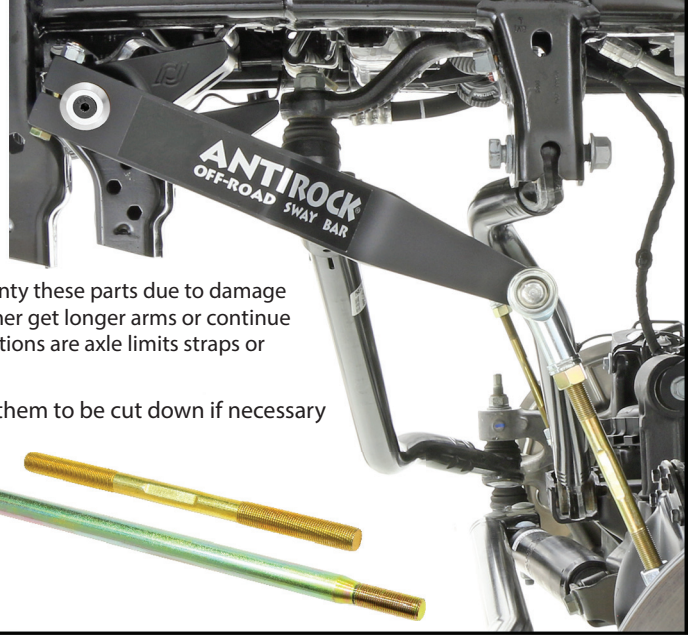


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Proper Antirock® Adjustment

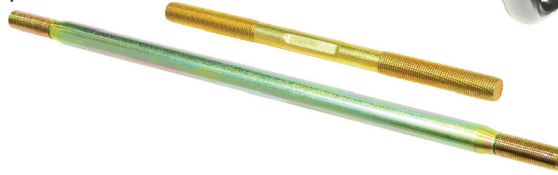
To correctly adjust a **front** or **rear** Antirock sway bar and determine how long the end links should be, we recommend the following process. You will need to determine how much suspension up travel and down travel that your vehicle has. Once you have those numbers, you will add them together to determine total overall travel. For example, if your vehicle has 4" of up travel and 8" of down travel, adding those number together, you get 12" of overall travel. Next, you'll need to find the midway point of your suspension travel, so, 12 divided by 2 is 6. So, the 6" point is the midway point of your vehicle's travel. You'll then need to set the axle at the 6" point – so the midway point of it's travel. When the axle is at the midway point of it's travel – this is the **ONLY** time the Antirock arms should ever be level. So, now that your axle is set to the midway point, go ahead and level the Anitrock arms. Next, measure center to center from the link mounting hole in the end of the Antirock arm, to the link mounting hole on your differential housing. This dimension is your mandatory link length for your specific vehicle build.

It is very important that, upon down travel, the link rod and the arm never become a straight line (see diagram to the right of a safe angle). If they do, you are in danger of them flipping upside down toward, the bumper, and not returning upward to their original location. If this situation does occur, the link rods and or the Antirock arms may be destroyed. RockJock **does not** warranty these parts due to damage caused by improper set up! If you foresee this being an issue, you'll need to either get longer arms or continue to adjust the link length (or both), until this situation can never occur. Other options are axle limits straps or shorter shocks that limit the axle's down travel.



Available Link Rods: feature long, trimmable RH & LH threads allowing them to be cut down if necessary for an exact fit in your application. See our website for exact specs.

CE-9901RD3	6.5" long Antirock sway bar link rod
CE-9901RD4	8.5" long Antirock sway bar link rod
CE-9901RD5	10.5" long Antirock sway bar link rod
RJ- 517200-1	12" long Antirock sway bar link rod
CE-9901RD2	14" long Antirock sway bar link rod
RJ- 253200-1	15.5" long Antirock sway bar link rod



CALIFORNIA PROP 65 WARNING

WARNING: These products can expose you to chemicals including Chromium, Lead, Lead Compounds, Nickel (Metallic), Nickel Compounds, Diisonyl and Di(2-ethylhexyl) Phthalates (DEHP)(DINP) which are known to the State of California to cause cancer or birth defects or other reproductive harm. **For more information, visit www.P65warnings.ca.gov**



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