



J5021,J5321 Installation Instructions Jeep Wrangler YJ Sway Bar Disconnects

Read and understand all instructions and warnings prior to installation of product and operation of vehicle.

Zone Offroad Products recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands. See the "Special Tools Required" section for additional tools needed to complete this installation properly and safely.

»» PRODUCT SAFETY WARNING

Certain Zone Suspension Products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. Zone Offroad Products does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

»» TECHNICAL SUPPORT

Live Chat provides instant communication with Zone tech support. Anyone can access live chat through a link on www.zoneoffroad.com.

www.zoneoffroad.com may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to tech@zoneoffroad.com detailing your issue for a quick response.

888.998.ZONE Call to speak directly with Zone tech support.

»» PRE-INSTALLATION NOTES

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of Zone Offroad Products. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, Zone Offroad Products recommends rear alterations first.
7. Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.

Difficulty Level

easy ① 2 3 4 5 difficult

Estimated installation: 1 hour

Special Tools Required

2-Jaw Puller/Pickle Fork

Kit Contents

Qty	Part
2	Sway Bar Link
2	Houglass Bushing
2	1/2"-20 Jam Nut
2	1/2" Rod End
4	Connical Washer
1	DS Disconnect Bracket
1	PS Disconnect Bracket
2	Linch Pin

1	786 Bolt Pack
2	1/2-13 x 2-3/4" Flat Head Socket Cap Screw
2	1/2" SAE washer
2	1/2"-13 lock nut
4	5/16"-18 x 3/4" self tapping bolt

Important Verify you have all of the kit components before beginning installation.

INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
2. Disconnect the sway bar links from the sway bar and spring plates. The mount at the sway bar will require a 2-jaw puller or pickle fork to release the tapered stud from the sway bar.
3. Measure 1 5/8" from the surface of the mounting stud and mark the center of the thread. Using a center punch, make a detent in the threads to mark the drill center. Using a 1/4" drill bit, drill a hole through the mounting stud using care to make sure the hole remains centered and square to the stud. **Figure 1**

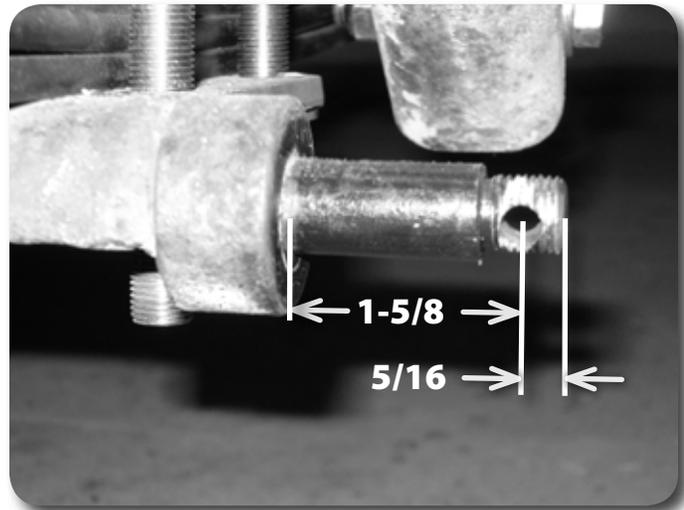


Figure 1

4. As shown in **Figure 1**, it is helpful to cut some of the thread from the stud to provide easier disconnect operation. Remove approximately 1/4" from the end of the stud with a hack saw or other suitable cut-off tool leaving approximately 1/8"-3/16" of material from the edge of the drilled hole. Remove any burrs from the cut edge with a file.
5. Assemble the sway bar links. Lightly grease and install the provided hourglass bushings in the sway bar link eyes. Thread a 1/2" jam nut followed by a rod end on the threaded end of the link. Thread the nut and end all the way on until the end stops. Adjust the lengths of the two links to be equal, make sure the rod end is square to the bushing end and lock off the jam nut securely.
6. Install the rod end of the link into the sway bar using the 1/2" Flat Head Socket Cap Screws. First place the rod end on the bolt, followed by 2 opposing tapered

Step 5 Note

There is some adjustment available to compensate for ride height variance. If necessary, adjust the links to closely match the factory sway bar link angle while still leaving at least 3/4" thread engagement.

washers. Place this assembly through the sway bar and tighten with a 1/2" washer and lock nut. Run the bolt from the outside in. **Figure 2.** Torque 1/2" hardware to 55 ft-lbs.



Figure 2

7. There are driver side and passenger side specific brackets to hold the sway bar links out of the way when disconnected. The brackets will angle downwards when installed on the correct side of the vehicle with the typical installation. Attach one of the disconnect brackets to the sway bar bushing with the lynch pin. Rotate the sway bar and link up to the disconnected position to locate the best mounting position. **Figure 3**
8. In most cases the brackets can use the factory grill and fender support bolts. Remove these bolts and loosen the upper strut bolt. Place the bracket behind fender support strut. Ensure the disconnect will swing up to meet this position. Replace bolts and tighten. **Figure 3.** Test the disconnect function - some slight adjustment may make operation easier by sliding the bracket within the slots. Repeat this process on the other side.

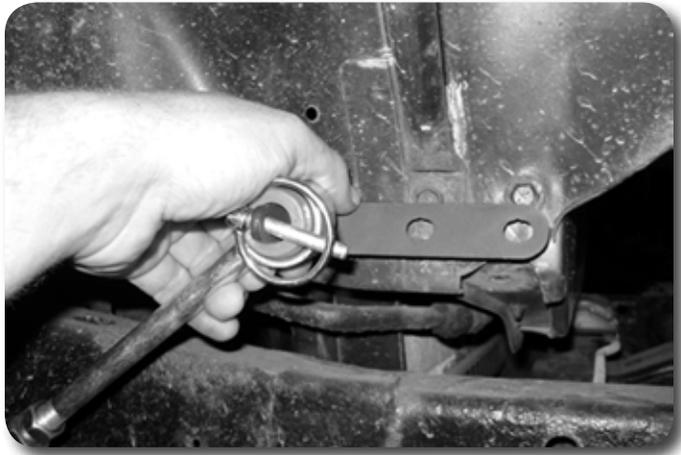


Figure 3

9. Lightly grease the disconnect pins at the axle. This will help the bushing slide on and off easier. Slide the links on to the disconnect studs and fasten with the provided lynch pins **Figure 5.**

Step 8 Note

There are (4) 5/16" self tapping bolts provide in the kit as another alternative to mount the sway bar disconnect brackets to the frame if necessary.

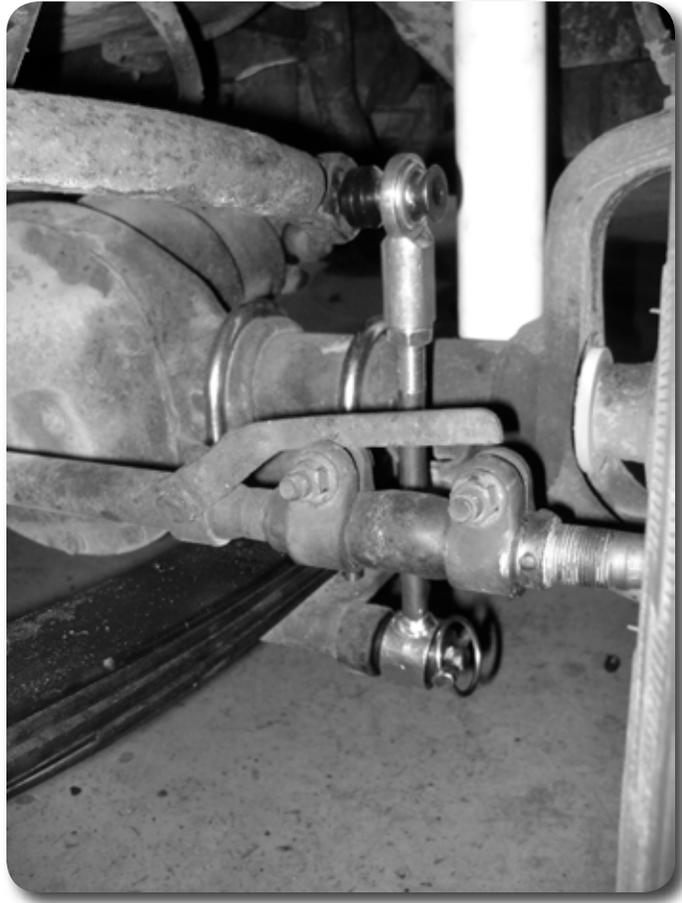


Figure 4

Post-Installation Warnings

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.

2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure.

3. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

10. Check all hardware for proper torque.
11. Check hardware after 500 miles.