



## J5313 Installation Instructions 2007-2016 Jeep Wrangler JK 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](http://www.zoneoffroad.com).

[www.zoneoffroad.com](http://www.zoneoffroad.com) may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to [tech-zone@sporttruckusainc.com](mailto:tech-zone@sporttruckusainc.com) detailing your issue for a quick response.

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

#### Difficulty Level

easy (1) 2 3 4 5 difficult

Estimated installation: 1 hour

#### Special Tools Required

None

#### » 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.

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## Kit Contents

Qty	Part
2	Sway Bar Link
2	Sway Bar Link End
2	1/2"-20 Jam Nut
2	Sway Bar Link Bushing
4	Misalignment Spacer
2	Disconnect Stud
2	Lynch Pin
2	Lanyard
2	Axle Relocation Plate

1	Bolt Pack 777
2	1/2"-20 x 1" bolt grade 5
2	1/2" lock washer
2	1/2"-13 x 2-1/2" bolt
2	1/2"-13 x 3" bolt
8	1/2" SAE flat washer
4	1/2"-13 prevailing torque nut
4	5/16"-18 x 3/4" self-tapping bolt

## INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
2. Disconnect the factory sway bar links from the axle and sway bar. **Figure 1** The links and hardware will not be reused.



Figure 1

3. Locate the new provided axle plates. These plates mount to the inside of the existing link mounts on the axle. Position a provided spacer sleeve between the existing mount and new plate. **Figure 2A** Fasten with a 1/2" x 3" bolt, nut and washers. Ensure that the plate is seated properly on the axle tube and torque hardware to 65 ft-lbs. **Figure 2B**



Figure 2A



Figure 2B

4. With both axle mount plates installed, attach the provided disconnect studs to the top hole in each axle plate. The studs will mount to the outside face of the plate, directly over the spacer sleeve. **Figure 3** Install a provided 1/2" x 1" (fine thread) bolt and lock washer through the axle plate, followed by a 1/2" flat washer and then the disconnect stud. Torque bolt to 50-60 ft-lbs.

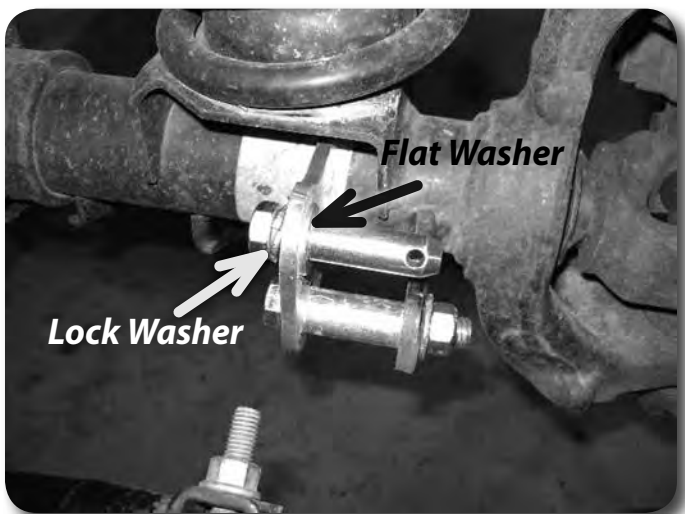


Figure 3

#### Step 4 Note

When tightening the disconnect stud bolt, place a small punch or screwdriver in the lynch pin hole to keep the stud from spinning. This will also ensure that the lynch pin hole ends up in a desirable position when the hardware is tightened.

5. Locate the sway bar link components for assembly (links, link ends, jam nuts and bushings). Lightly grease and install the bushings into the sway bar link ends. Thread the jam nuts followed by the rod ends onto the sway bar links. Thread the end all the way on. Position the link ends so they are square to the sway bar link bushing end and lock off the jam nuts securely. **Figure 4**



Figure 4

6. Attach the sway bar link end to the sway bar (threaded end). Install a 1/2" x 2-1/2" bolt and washer through the sway bar running inside out. Install a provided misalignment spacer on the bolt (taper pointing out) followed by the sway bar link end and then a second misalignment spacer (taper pointing in). Fasten the assembly with a 1/2" nut. **Figure 5** Torque the 1/2" hardware to 60 ft-lbs.



Figure 5

7. Lightly grease the inside of the sway bar link bushings and install on the disconnect pins at the axle. Fasten the ends with the provided lynch pins. **Figure 6**



Figure 6

8. Disconnect the sway bar links and rotate the sway bar until it is horizontal.
9. Attach the lanyard to the end of the sway bar and use the lanyard to locate the mounting hole position on the side of the coil bucket.
10. Make a mark and drill a 17/64 hole or F size drill through the coil bucket.

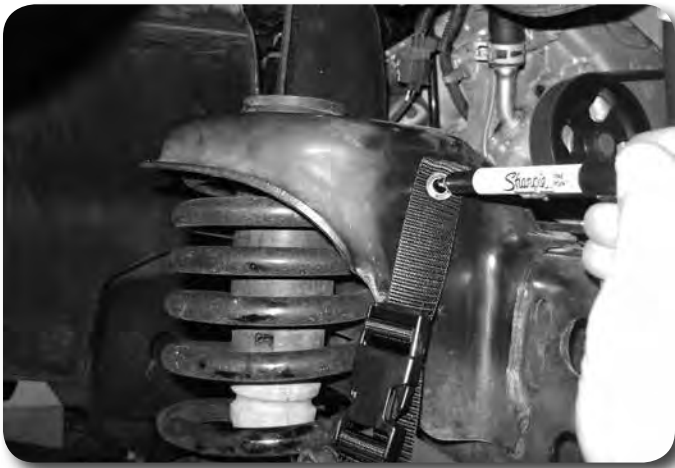


Figure 7

11. Attach the lanyards to the drilled hole using the supplied 5/16" self tapping bolts.
12. 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 linch pins.
13. Check all hardware for proper torque.
14. Check hardware after 500 miles.

### 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.