



INSTALLATION GUIDE

PART NUMBER: 5540
REAR ANTI-SWAY BAR
RAM 1500 2WD | 1994-1999

FITS OEM AND LOWERED HEIGHT APPLICATIONS

300 W. PONTIAC WAY. CLOVIS, CA 93612
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THANK YOU

Thank you for choosing our high quality Belltech product. We have spent a great deal of time developing our line of products so that you will receive maximum performance with minimal difficulty during installation. Soon your vehicle will be on the road looking and feeling much improved.

Please take a moment to read all instructions and warnings prior to installation of your new Belltech product and before operating your vehicle. If you have any questions or concerns regarding any step in the installation process, please do not hesitate to call or email our customer support specialists who are trained to help you through any portion of this process.

Before You Begin:

It is of the utmost importance that you confirm all the components listed on the parts list are in the kit. You can find this list located on the last page(s) of your instructions. Do not begin installation if any part is missing. Instead, please call our Belltech customer service specialists.

Belltech Customer Support:

Phone: 1-800-445-3767

Email: info@belltech.com

Safety Information:

Warning: Do not work under a vehicle supported only by a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

Proper use of safety equipment and eye/face/hand protection is necessary when performing any of the following instructions.

We strive for an exceptional experience for all our valued customers. If for any reason you need assistance with your Belltech products, please do not return the product to the store you purchased from, but rather call our dedicated customer service experts, from 7am to 5pm PST.

We recommend that a qualified mechanic, in a properly equipped facility, perform this installation.

It is very helpful to have an assistant available during installation.

Before Driving Your Vehicle:

It is important to double check all brake hoses, cables, and other components to be sure there is no interference. You must also check for wheel/tire to chassis/body interference. If any issues are found, review your installation instructions to be sure no steps were missed, and any problems are corrected.

Make sure your vehicle is aligned immediately following installation.

Check all hardware and torque at intervals for the first 10, 100, and 1000 miles.

Some of Belltech's products are designed to improve your vehicle's off-road performance. Leveling/lifting your vehicle may result in an altered center of gravity. It is crucial to use extreme care when operating your vehicle to prevent rollover and/or loss of control.

Any changes in your vehicle's suspension may result in transformed handleability. Please test-drive your vehicle in a remote location so you can become accustomed to the revised driving characteristics.

Perform headlight check and adjustment.

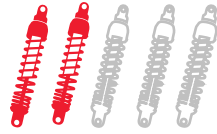
Failure to drive any modified vehicle in a safe manner may result in harm or death.

Never operate your modified vehicle under the influence of drugs, alcohol, or lack of adequate sleep.

Always wear your seatbelt.



DIFFICULTY:



INSTALLATION TIME: 1-2 Hours

RECOMMENDED TOOLS:

- Properly rated floor jack
- Wheel chocks
- Support stands
- Metric wrench set
- Metric socket set
- Tape measure
- Electric or Pneumatic hand drill
- Quality Carbide drill bits 5/16" and 3/8"
- Round File or De-burring tool
- Safety Glasses
- Torque wrench rated up to 150 ft lbs.

JACKING, SUPPORTING, AND PREPARING THE VEHICLE

1. Park your vehicle on a smooth, level, concrete, or seasoned asphalt surface.
2. Block the rear wheels of the vehicle using wheel chocks. Make sure the vehicle's transmission is in "PARK" (automatic) or first gear (manual).
3. Activate the parking brake.
4. Loosen, but do not remove, the front wheel lug nuts.
5. Lift the front of the vehicle off the ground using a properly rated floor jack. Lift the vehicle so the front tires are approximately 6-8 inches off the ground.
6. Place support stands rated for the vehicle's weight. The stands must be positioned in the factory specified locations. (Refer to the owner's manual). Prior to lowering the vehicle onto stands, make sure the support stands will contact the chassis. It is very important that the vehicle is properly supported to prevent any harm to oneself or to the vehicle.
7. Lower the vehicle slowly onto the stands.
8. Remove the front wheels.

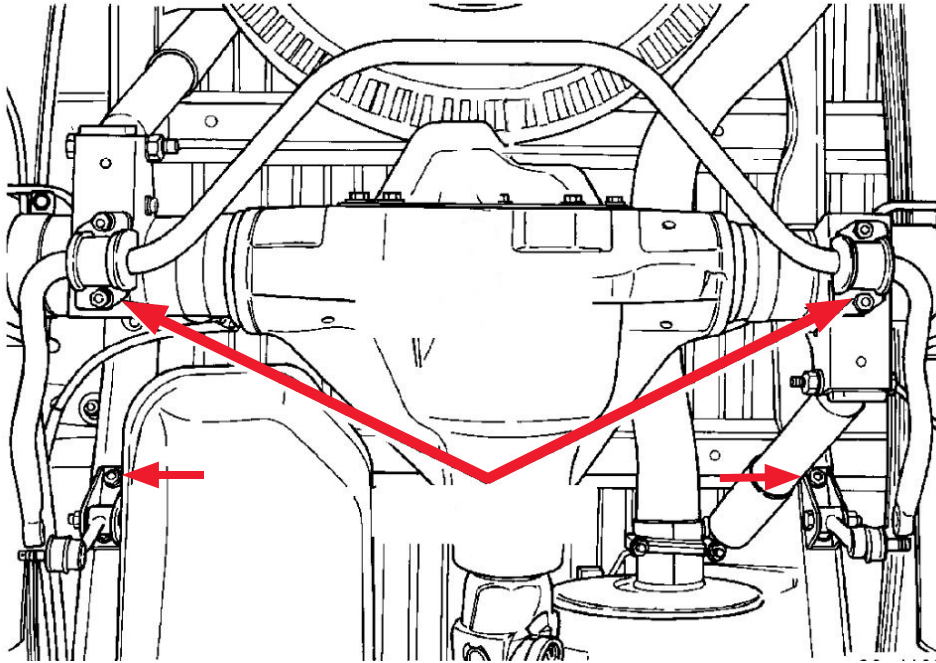


Technician reminder:

Never work under a vehicle supported only by a jack. It is necessary to place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

REAR ANTI-SWAY BAR REMOVAL

9. If the vehicle is equipped with a sway bar, please proceed to step 10, otherwise please skip to step 13.
10. Remove the two bolts holding the original end link frame brackets and detach the brackets from the chassis.
11. Remove the 15mm pivot bushing bracket nuts located at the bottom of the lower shock mounts.
12. Detach the sway bar assembly from the vehicle.

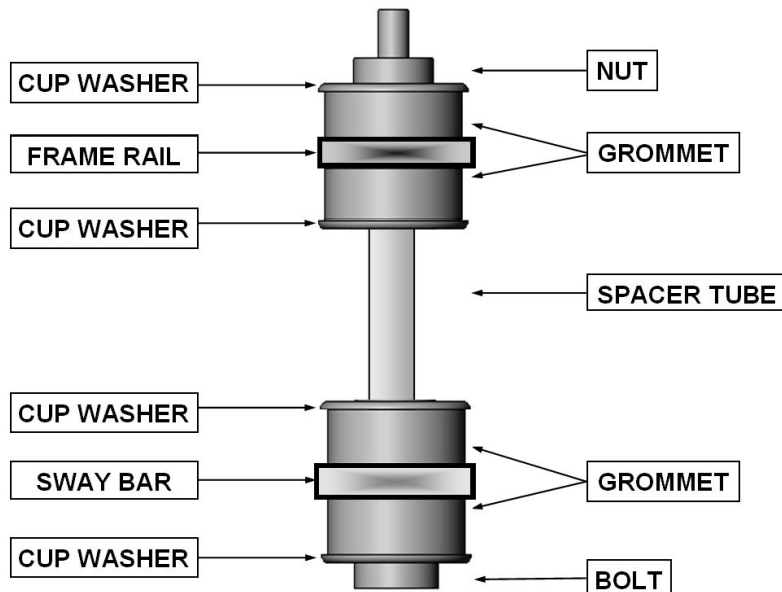


BELLTECH ANTI-SWAY BAR INSTALLATION

13. Remove both lower shock nuts and bolts. While attached to the upper shock mounts, move the shocks away from the lower mount to allow clearance while working in this area.



14. At the bottom of each lower shock mount, there is a flat surface with two holes on it. The driver side faces toward the front of the vehicle and the passenger side faces toward the rear.
15. On both lower shock mounts, measure 3/4" up from the center of the bottom hole. Center punch the mark and drill a new 3/8" diameter hole. You will use the top hole and the newly drilled hole to mount the pivot bushings and brackets.
16. For the end link mounts on the chassis, there are three existing holes at the bottom of the frame rail on each side of the vehicle approximately 12" forward of the rear axle.
17. Locate the forward most hole, use a drill to enlarge it to 5/8" diameter on both sides of the vehicle.
18. Assemble the end links as shown in the diagram below. Tighten the end link grommets until they just begin to bulge, but do not crush them.



Technician reminder:

Stock height vehicles will use the 9" long bolts and 4" spacer tubes. Lowered height vehicles will use the 6" long bolts and 1.25" spacer tubes.

BELLTECH ANTI-SWAY BAR INSTALLATION CONTINUED

19. To determine the proper mounting position of the new Belltech anti-sway bar, lay it on a flat surface. The ends of the bar should point down at a slight angle.
20. Using the supplied grease pack, thoroughly lubricate the inside of the new pivot bushings.
21. Assemble the brackets onto the pivot bushings on the bar. Once located, rotate the bushings slightly to evenly spread out the lubricant.
22. Position the sway bar onto the lower shock mounts, with the arms pointing toward the front of the vehicle.
23. Secure the new brackets to the mounts using the 3/8 bolts and washers provided. Make sure to use the large washers on the back side of the shock mount and the small ones on the brackets. Torque the Nyloc nuts to 40 ft lbs.



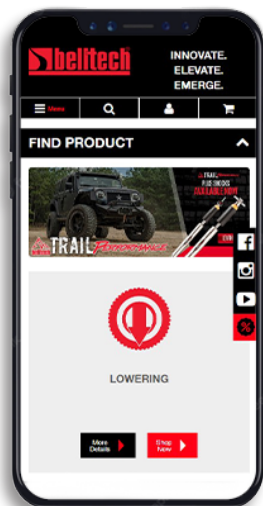
24. Assemble the end links to the anti-sway bar, as shown in the diagram on page 4.
25. Being careful not to lift the vehicle off the jack stands, use a floor jack to lift axle up to ride height, this will ease the fastening of the end links to the bar and the frame rail.
26. Swing the bar up and position the ends of the arms as parallel as possible with the frame rails, under the drilled holes.
27. Mount the end link assembly to chassis and tighten the end link bolt to the point where the spacer tube can still be forced to rotate on the bolt by hand but the rubber grommets should not be able to rotate by hand.
28. Attach the shock to the lower shock mount using the original nut and bolt, torque to 100 ft lbs.

FINALIZING THE INSTALLATION

29. Mount the wheels and tighten the lug nuts.
30. Lift the vehicle and remove the support stands.
31. Carefully lower the vehicle onto the flat ground.
32. Torque the lug nuts to 95 ft lbs.
33. Check that all components and fasteners have been properly installed and torqued.
34. Read and perform all tasks in the “Before Driving Your Vehicle” section of page 1 of your instructions.

THANK YOU FOR CHOOSING BELLTECH.

You are now a part of the Belltech family and we are eager to catch a glimpse of your newly modified vehicle. Give us a shout out and let us know how much you love our product. Don't forget, we offer other Belltech related merchandise for you and your vehicle on our website www.belltech.com



belltechsuspension



Belltech Suspension



@belltechsuspension

If you have any questions, concerns, or warranty related issues regarding your Belltech product, please call or email our experienced customer service specialists.

Belltech Customer Support:

Phone: 1-800-445-3767

Email: info@belltech.com

KIT CONTENTS



| SWAY BAR KIT | | |
|--------------|--------------------|-----|
| Part number | Description | Qty |
| 5540-300 | REAR ANTI-SWAY BAR | 1 |
| 5540-777 | HARDWARE KIT | 1 |

| HARDWARE KIT | | |
|--------------|--------------------------------|-----|
| Part number | Description | Qty |
| 113000 | END LINK GROMMET | 8 |
| 112408-95 | 1.25" SPACER TUBE | 2 |
| 112436-95 | 4" SPACER TUBE | 2 |
| 112502 | LARGE CUP WASHER | 8 |
| 112134 | 3/8"-16 X 6.0" BOLT | 2 |
| 112148 | 3/8"-16 X 9.0" BOLT | 2 |
| 112094 | 3/8"-16 X 1-1/4" BOLT | 4 |
| 112518 | 3/8" SMALL FLAT WASHER | 4 |
| 110625 | 3/8" LARGE FLAT WASHER | 4 |
| 110255 | 3/8"-16 NYLOC NUT | 6 |
| 113165 | 1" PIVOT BUSHING | 2 |
| 114020-95 | ZINC PLATED BUSHING BRACKET | 2 |
| 55000-10 | GREASE PACK | 1 |