



INSTALLATION INSTRUCTIONS

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5553

REAR ANTI-SWAY BAR KIT 2009-2012 DODGE RAM 1500 RWD

For stock height applications stock end links will be required with this kit.
For lowered applications shortened end links will be required which are supplied with Belltech lowering springs.

Thank you for being selective enough to choose our high quality BELLTECH PRODUCT. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation.

- Note: Confirm that all of the hardware listed in the parts list is in the kit. **DO NOT** begin installation if any part is missing. Read the instructions thoroughly before beginning this installation.
- Warning:** **DO NOT** work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.
- Warning:** **DO NOT** drive vehicle until all work has been completed and checked. Torque all hardware to values specified.
- Reminder: Proper use of safety equipment and eye/face/hand protection is absolutely necessary when using these tools to perform procedures!
- Note: It is very helpful to have an assistant available during installation.

RECOMMENDED TOOLS:

- Properly rated floor jack and four(4) support stands
- Wheel chocks
- Standard and Metric socket and box wrench set

1. JACKING, SUPPORTING, AND PREPARING THE VEHICLE

- 1a) Block the front wheels of the vehicle with appropriate wheel chocks. Make sure the vehicle's transmission is in "Park" (automatic) or 1st gear (manual). Activate the parking brake. Remove any loose items located in the cargo box.
- 1b) Lift the rear of the vehicle off the ground using a properly rated floor jack. Lift the vehicle so that the rear tires are approximately 4-6 inches off the ground surface
- 1c) Support the vehicle using support stands rated for the vehicle's weight. Prior to lowering the vehicle onto stands, make sure the supports will securely contact the straight, flat portions of the frame rails. **It is very important that the vehicle is properly supported during this installation to prevent frame damage and personal injury! Make sure that the support stands are properly placed prior to performing the following procedures. Never work under a vehicle supported by only a floor jack.**
- 1d) Slowly lower the vehicle onto the stands and, before placing the vehicle's weight on them, again check that they properly and securely contact the frame rails as described above. Check for possible interference with any lines, wires, or cables

SAFETY REMINDER: Check for safe vehicle stability before proceeding under the vehicle to begin the following procedures. Never work under a vehicle supported by only a jack. Always use properly rated support stands to support the vehicle

2. STOCK ANTI-SWAR BAR REMOVAL

- 2a) If the vehicle comes with one, remove the nuts that secure the anti-sway bar (**ASB**) from the lower end-link to the bar on both sides. Do not disconnect the ASB from the lower end-link at this. (**Photo 1**)
- 2b) Loosen the stock ASB bushing brackets bolts.
- 2c) Remove the stock ASB from the vehicle by sliding each end-link out of the bar tabs.
- 2d) Remove the ASB end links if this kit is being installed along with Belltech lowering springs. (**Photo 2**) If this kit will be used on a stock height application, the end links will be reused and do not need to be removed.



3. ANTI-SWAY BAR INSTALLATION

- 3a) Install the Belltech dog bone style end-links to the frame (**lowered applications only**). Feed the bolt and washer through the stock frame location in the inboard direction. The end-link should be on the inboard side of the ASB frame bracket. Secure bolt with the supplied washers and Nyloc nuts and tighten to 56 ft lb. using a wrench and socket.
- 3b) Spread and clip the Belltech Teflon lined ASB bushing on to the Belltech ASB near the stock bushing locations. If you do not have a factory ASB, use the bracket mounting points on the frame as a reference
- 3c) Clip the Belltech ASB bushing brackets onto the bushings and install the bar assembly onto the frame. Use the supplied Belltech bolts and washers and tighten by.
- 3d) Install the ASB with the arms pointing upwards when the center of the bar is flat. (**Photo 3**)
- 3e) **For lowered applications**, Connect the



lower end-link to the ASB using the supplied bolts, washers and lock nut hardware. The ASB should be on the inside of the end link assembly and the bolt should be fed from the inside. Tighten the hardware to 74 ft lb using a socket and wrench.

For stock height applications, connect the stock end-links to the Belltech ASB on the inside of the ASB and tighten to 79 ft lb.

3f) Tighten the ASB brackets to 37 ft lb.

4. FINALIZING THE INSTALLATION

4a) Double check torque on all nuts, bolts and brackets that have been part of the install.

4b) Lift vehicle and remove support stands.

4c) Carefully lower the vehicle onto the ground to position the shackles in a loaded position.

4d) Check brake hoses, cables and other components for any possible interference.

4e) Check all of the hardware and re-torque at intervals for the first 10, 100, and 1000 miles.

Part #	Description	Quantity
5553-300	Belltech rear anti-sway bar	1
113200	Teflon lined anti-sway bar bushing	2
114020	Anti-sway bar bushing bracket	2
112022	Bushing bracket bolts 10mm x 1.5 x 30mm	4
112518	Bushing bracket washers – 3/8"	4