



INSTALLATION INSTRUCTIONS

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5542 REAR ANTI-SWAY BAR 1983-03 FORD RANGER

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, support stands and wheel chocks
- Combination wrench- 5/8", 9/16"
- Ratcheting socket wrench and sockets- 5/8", 9/16"
- Safety Glasses

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

SAFETY REMINDER: PROPER USE OF SAFETY EQUIPMENT AND EYE/FACE/HAND PROTECTION IS ABSOLUTELY NECESSARY WHEN USING THESE TOOLS TO PERFORM PROCEDURES!

KIT INSTALLATION

1. Open the hardware kit and remove all the contents. Refer to the part list (Page 3) to verify all parts are present.
2. Park the vehicle on a smooth, level concrete or seasoned asphalt surface and activate the parking brake. Block the FRONT wheels of the vehicle with appropriate wheel chocks; making sure the vehicle's transmission is in 1st gear (manual) or "Park" (automatic).
3. Using a properly rated floor jack, lift the rear wheels of the vehicle off the ground. Place support stands, rated for the vehicle's weight, in the factory specified locations. Refer to the vehicle Owner's Manual. Prior to lowering the vehicle onto the stands, make sure the supports will securely contact the chassis.

It is very important that the vehicle is properly supported during this installation to prevent personal injury and chassis damage! Make sure that the supports stands are properly placed prior to

performing the following procedures. We **DO NOT RECOMMEND** using wheel ramps while performing this installation.

4. Slowly lower the vehicle onto the stands and, before placing the vehicle's entire weight on them, again check that they properly and securely contact the chassis as described above. Check for possible interference with any lines, wires, cables, or other easily damaged components.
5. Before installing the Anti-Sway Bar on the vehicle, lubricate the **inside** of the bushing and attach it to the bar (See Photo 1 for location). Insert the bar from under the vehicle positioning it above the axle with the bar ends pointed forward. Once in position, start from one side and place one U-bolt, saddle, and bushing support plate around the axle. While holding the U-bolt with one hand, attach the Anti-Sway Bar bushing clamp with the other, and loosely thread the hardware into place. Do the same to the other side (Photo 1). Do not tighten the two U-Bolts; they will be securely fastened after all the other components have been put on.

Note: This kit includes multiple bolts and spacer tubes for both lowered and stock vehicles. Refer to the parts list on page 3 - 4 for applications.

6. On the passenger side of the vehicle, roughly above the end on the Anti-Sway Bar locate the 1/2" hole on the frame. Attach the angle bracket on the inside of the frame with the 1/2" bolt, washer, and nut. Note: The angle bracket should mount from the hole extending downward then out (See Photo 2 for location). Insert the longer bolt with the cupped washer and bushing in through the hole in the bracket, and then tighten the bracket securely to the frame (Photo 2).
7. Attach the rest of the hardware from the angle bracket to the Anti-Sway Bar end. Note: the passenger side hardware is longer than the driver's side, so make sure you attach the correct hardware. Again, loosely thread the hardware into place; it will be tightened later on (Photo 3).
8. Locate the 1/2" hole on the lower flange of the frame, in front of the axle, on the driver's side of the vehicle. The hole should be above the hole on the Anti-Sway Bar. Because the fuel tank is so close to the frame, you will have to insert this bolt from the back (Note: don't forget the washer and bushing). Once the bolt is in place, finish attaching the hardware to the Anti-Sway Bar and securely tighten in place (Photo 4).
9. Now tighten the passenger side link in place.
10. Before tightening the U-bolts to the axle, make sure the Anti-Sway Bar is centered from side to side, and check to see that doesn't interfere with the shock (Photo 4). Next, the vehicle weight will need to be placed on the wheels so the correct placement of the Anti-Sway Bar on the axle can be determined. (Photo 5) shows the vehicle suspended with no weight on the wheels. (Photo 6) shows the vehicle's weight on the wheels and the correct position of the Anti-Sway Bar. Once the U-bolts are in position, securely fasten them to the axle.

WD-40™ is recommended to help remove excess lubricant. Re-greasing the pivot bushings should be performed at regular intervals. Climate and driving conditions will govern the time between services. Remember to check all hardware while performing bushing maintenance.

11. Check that all components and fasteners have been properly installed, tightened and torqued.
12. Check brake hoses, cables, lines and other components for any possible interference.
13. Lift vehicle and remove support stands. Carefully lower vehicle to ground.

14. Immediately test-drive the vehicle in a remote location so that you can become accustomed to the revised driving characteristics and handling. Be aware that the vehicle will handle substantially different now that it has been modified.
15. Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.

PART LIST FOR 5542
ANTI-SWAY BAR HARDWARE KIT

5542-300	Rear Anti-Sway Bar	1
113195	Urethane pivot bushing 3/4"	2
113000	Urethane end link grommet	8
112258	H.D. 3" U-clamp	2
5524-003	End link hanger bracket	1
114038	Under bushing support plate	2
114032	Pivot bushing bracket	2
112502	Cupped washer Large	8
110255	3/8"-16 nylock nut	6
112140	3/8"-16 x 7" HHCS (driver Side lowered)	1
112144	3/8"-16 x 8" HHCS (driver Side stock)	1
112148	3/8"-16 x 9" HHCS (passenger Side lowered)	1
112088	3/8"-16 x 10" HHCS (passenger Side stock)	1
112424	2 3/4" x 3/8" spacer tube (driver Side lowered)	1
112430	3 1/2" x 3/8" spacer tube (driver Side stock)	1
112438	4 1/2" x 3/8" spacer tube (passenger Side lowered)	1
112456	5 1/2" x 3/8" spacer tube (passenger Side stock)	1
110625	3/8 SAE washer	4
112202	1/2"- 13 x 1 1/4" HHCS	1
112322	1/2"- 13 nylock nut	1
110660	1/2"- 13 SAE flat washer	2
55000-10	Grease pack	1

