



INSTALLATION GUIDE

PART NUMBER: 5542
REAR ANTI-SWAY BAR
FORD RANGER 2WD | 1989-2003
MAZDA RANGER 2WD | 1994-2004

FITS OEM AND LOWERED HEIGHT APPLICATIONS

300 W. PONTIAC WAY. CLOVIS, CA 93612
PHONE: 800-445-3767 | EMAIL: INFO@BELLTECH.COM

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 Hour

RECOMMENDED TOOLS:

- Properly rated floor jack
- Support stands
- Wheel chocks
- Metric and standard socket wrench set
- Metric and standard wrench set
- Safety glasses
- Torque wrench rated up to 130 ft lbs.

JACKING, SUPPORTING, AND PREPARING THE VEHICLE

1. Park your vehicle on a smooth, level, concrete, or seasoned asphalt surface.
2. Block the front 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 rear wheel lug nuts.
5. Lift the rear of the vehicle off the ground using a properly rated floor jack. Lift the vehicle so the rear 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 rear wheels.



Technician reminder:

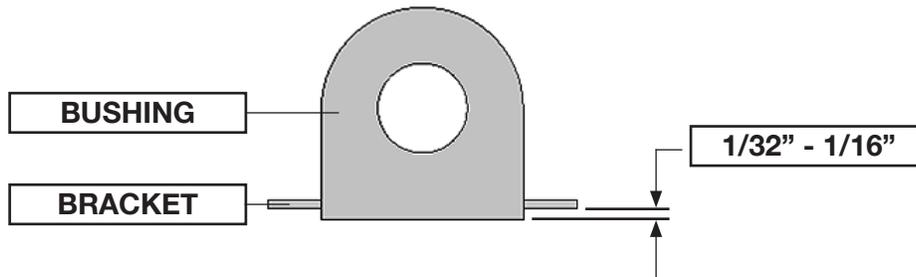
Never work under a vehicle supported only by a jack. It is necessary to place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

BELLTECH ANTI-SWAY BAR INSTALLATION

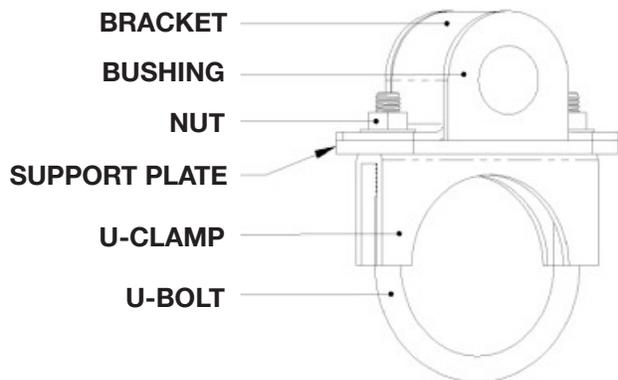
9. Thoroughly lubricate the inside of the supplied pivot bushings using the grease packet included with the kit.
10. Place the bushings on both sides of the Belltech sway bar, centered on the first set of bends. Once located, rotate the bushings slightly to evenly spread the lubricant. Place the bushing brackets over the bushings.



11. Ensure there is 1/32" to 1/16" of the bushing is showing after the bracket is seated. If the bushing is showing more than 1/16", use a sander or a sheet of coarse grit sandpaper to shave it down to the proper height.



12. Carefully bend the hydraulic line away from the axle and place the U-bolts under the axle tube and under the brake line, ensuring the brake line is not clamped underneath. Place the U-clamp on the U-bolt followed by the support plate. Mount the sway bar with the bar ends pointed toward the front of the vehicle and place the bushing bracket on the U-clamp. Hand tighten the supplied nuts on the U-bolt for now. Ensure the sway bar is positioned above the axle.



BELLTECH ANTI-SWAY BAR INSTALLATION CONTINUED



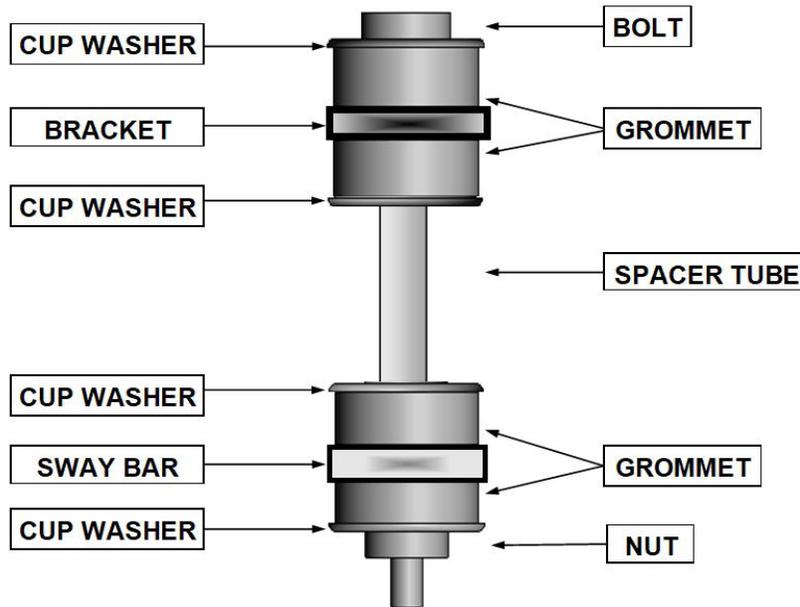
Technician note:

Different length bolts and spacer tubes are supplied for both lowered and stock height vehicles.

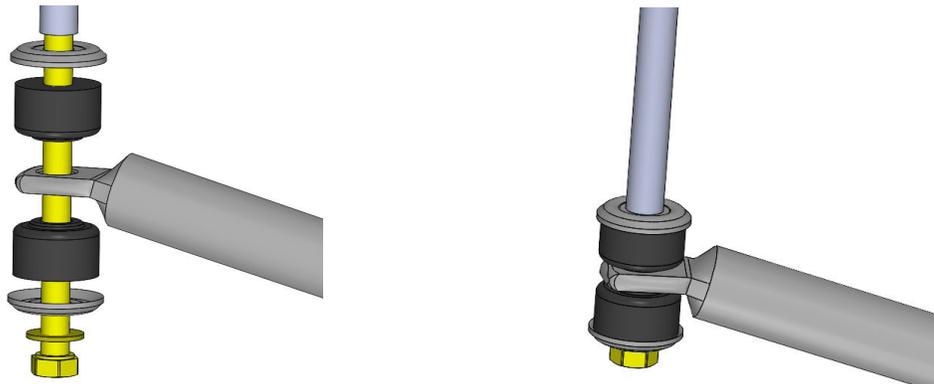
Stock height vehicles: Use the 8" long bolt on the driver side and 10" bolt on the passenger side. Use the 3-1/2" spacer tube on the driver side and 5-1/2" spacer tube on the passenger side.

Lowered height vehicles: Use the 7" long bolt on the driver side and 9" bolt on the passenger side. Use the 2-3/4" spacer tube on the driver side and 4-1/2" spacer tube on the passenger side.

13. The end link must be assembled through the frame rails and the ends of the Belltech sway bar as shown in the diagram below.

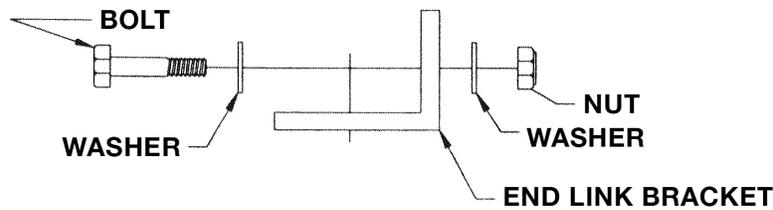


14. Assemble the end links to the Belltech sway bar, as shown in the diagram.



BELLTECH ANTI-SWAY BAR INSTALLATION CONTINUED

15. On the passenger side of the vehicle, above the end of the sway bar locate the 1/2" hole on the side of the frame. Attach the end link bracket on the inside of the frame with the 1/2"-13 X 1-1/4" bolt, 1/2" washers, and nut. The short end of the bracket is attached to the frame. Hand tighten but do not torque yet.



16. Assemble the end link as on the frame and sway bar as shown in the diagram on page four. Place the end link bolt in from above so the bolt head faces up and the nut is at the bottom. Hand tighten but do not torque yet.



17. On the driver side of the vehicle, locate the 1/2" hole on the lower flange of the frame, in front of the axle. Raise the arms of the sway bar so they are parallel with the frame, the hole on the frame will be above the hole on the sway bar end. Assemble the end link as on the frame and sway bar as shown in the diagram on page four. Place the end link bolt in from above so the bolt head faces up and the nut is at the bottom. Hand tighten but do not torque yet.



Technician reminder:

The fuel tank is very close to the frame, insert the bolt, the first cupped washer and grommet from behind the frame.



BELLTECH ANTI-SWAY BAR INSTALLATION CONTINUED

18. Next, the vehicle weight will need to be placed on the wheels to ensure the correct placement of the Belltech sway bar on the axle. Mount the wheels and tighten the lug nuts. Lift the vehicle and remove the support stands. Carefully lower the vehicle onto flat ground.
19. Before tightening the U-bolts to the axle, ensure the sway bar is centered from side to side, and confirm it does not interfere with the shocks. With the vehicle weight on the wheels, the correct position of the sway bar on the axle is shown in the image below. Torque the U-bolts to 20 ft lbs.



20. Tighten the end link nuts to the point where the spacer tube can still be forced to rotate on the bolt by hand, but the grommets should not be able to rotate by hand. Torque the end link bracket securely to the frame on the passenger side.

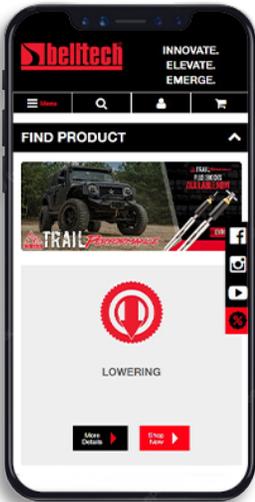


FINALIZING THE INSTALLATION

21. Torque the lug nuts to 100 ft lbs.
22. Check that all components and fasteners have been properly installed and torqued.
23. 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



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

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KIT CONTENTS



SWAY BAR KIT		
Part number	Description	Qty
5542-300	3/4" REAR ANTI-SWAY BAR	1
5542-777	HARDWARE KIT	1

HARDWARE KIT		
Part number	Description	Qty
113000	END LINK GROMMET	8
112502	CUP WASHER	8
110255	3/8"-16 NYLOC NUT	6
112322	1/2"-13 NYLOC NUT	1
110660	1/2" LARGE FLAT WASHER	2
112202	1/2"-13 X 1-1/4" BOLT	1
112140	3/8"-16 X 7" BOLT	1
112144	3/8"-16 X 8" BOLT	1
112148	3/8"-16 X 9" BOLT	1
112088	3/8"-16 X 10" BOLT	1
112424-95	2-3/4" SPACER TUBE	1
112430-95	3-1/2" SPACER TUBE	1
112438-95	4-1/2" SPACER TUBE	1
112456-95	5-1/2" SPACER TUBE	1
5524-003-99	END LINK BRACKET	1
112258	3" U-CLAMP	2
113195	3/4" PIVOT BUSHING	2
114032-95	PIVOT BUSHING BRACKET	2
114038-95	BUSHING SUPPORT PLATE	2
55000-10	WHITE LITHIUM GREASE	1