



INSTALLATION GUIDE

PART NUMBER: 5483
FRONT ANTI-SWAY BAR
MERCEDES SPRINTER (VS30) AWD / 4WD | 2019+

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.

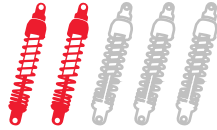
Failure to drive any modified vehicle in a safe manner may result in harm or death.

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

Always wear your seatbelt.



DIFFICULTY:



INSTALLATION TIME: 1 - 2 Hours

RECOMMENDED TOOLS:

- Properly rated floor jack
- Ratcheting socket wrench and socket set
- Support stands
- Wheel chocks
- Metric wrench set
- Safety glasses

SPECIALTY TOOLS:

- Torque wrench up to 200 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 1st gear (manual).
3. Activate the parking brake.
4. 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.
5. Place support stands rated for the vehicles weight. The stands should be positioned in the factory specified locations. (Refer to the owners 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 ones self or to the vehicle.
6. Lower the vehicle slowly onto the stands.



Technician reminder:

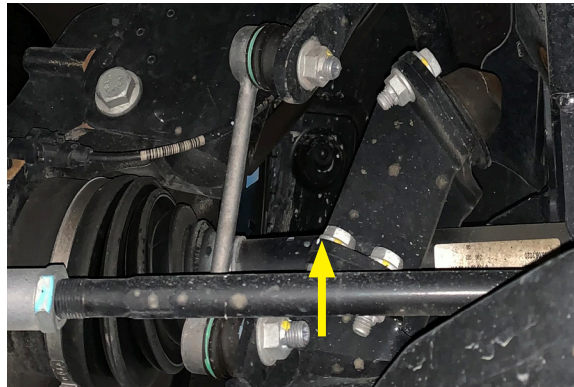
Never work under a vehicle supported only by a jack. It is necessary to place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

FRONT SUSPENSION PREPARATION

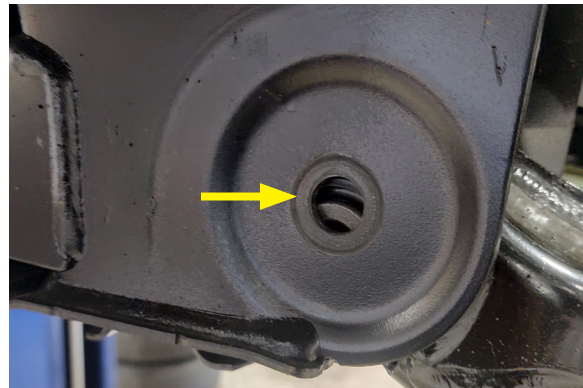
7. If equipped with skid plates, remove the front and rear skid plates from the vehicle.



8. Support the lower control arm with a jack to control the suspension droop as components are removed.
9. Remove the lower end link nuts to disconnect the front sway bar assembly from the lower control arm.



10. Remove the front lower control arm bolts from the front crossmember only. Do not overstretch any cables or wires and confirm there is no interference as the suspension is lowered.



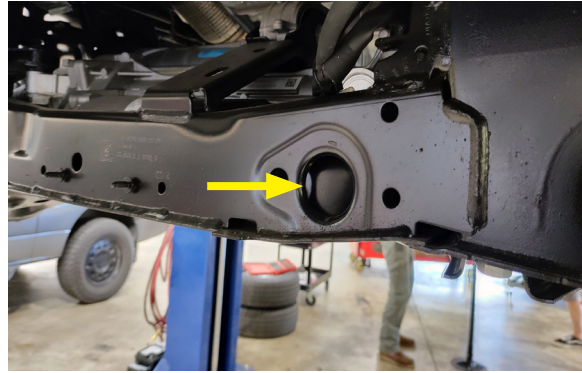
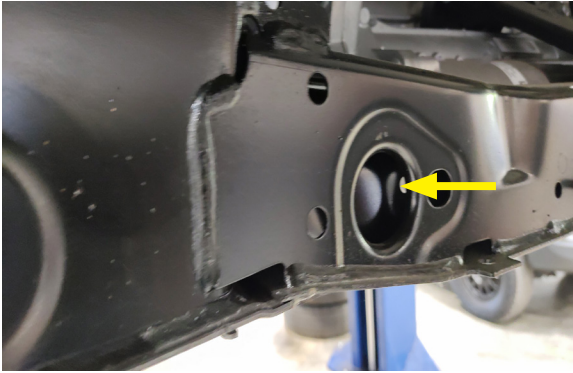
Technician note:

Proceed with the front sway bar installation steps based on the vehicle's drivetrain configuration.

- **AWD: Begin with Step 11**
- **4WD: Skip to Step 18**

FRONT SWAY BAR INSTALLATION FOR AWD

11. Locate the large holes in the factory front crossmember.



12. Start with the crossmember hole on the LH side, orientate the Belltech backing plate, part# 155261-115-C-992, supplied in kit 5483-777A, with the notch facing down.



13. Place the backing plate in the hole with the long end in first, while holding on to the threaded stud. Set the Belltech backing plate in the crossmember with the stud sticking out.



14. On the RH side, hold Belltech backing plate 155261-115-C-992 with the notch facing up.

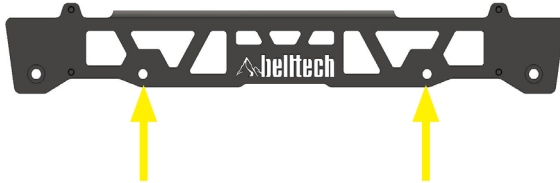


FRONT SWAY BAR INSTALLATION FOR AWD CONTINUED

15. Place the Belltech backing plate in the hole with the long end first. While holding on to the threaded stud, rotate the stud until the backing plate is resting with the notch facing down. Set the Belltech backing plate in the crossmember with the stud sticking out.



16. Place the Belltech front sway bar brace on the crossmember and slide the backing plate studs through the holes on the brace. Fasten the brace with the supplied M12 flanged Nyloc nuts. Hand tighten, do not torque yet.

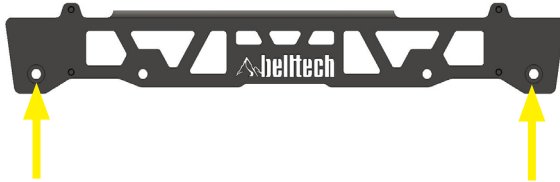


17. Fasten the sway bar brace and lower control arms with the original bolts. Place the bolts through the brace and into the lower control arms. Do not torque yet, these bolts will be torqued at a later point.

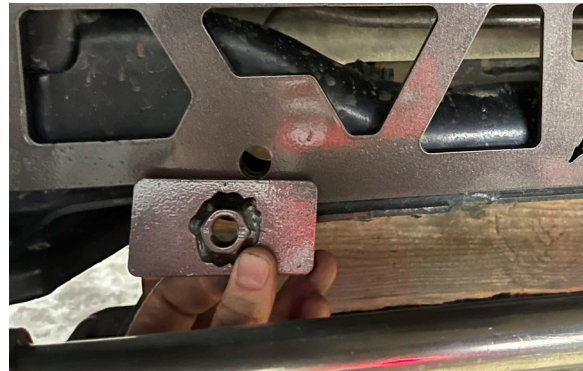
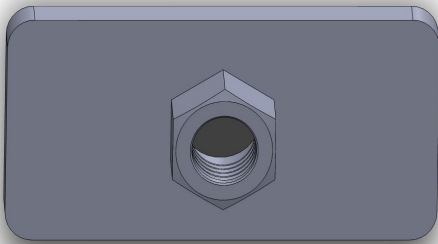


FRONT SWAY BAR INSTALLATION FOR 4WD

18. Place the Belltech front sway bar brace onto the crossmember and align it with the lower control arm bolt holes. Fasten using the original lower control arm bolts. Place the bolts through the brace, crossmember, and lower control arm bushings. Start the bolts by hand and leave them loose at this time. Do not torque the bolts until instructed in a later step.



19. Locate the sway bar brace backing plates, part #155251-115-C-992, supplied in hardware kit 5483-777D. Verify that both backing plates are present before proceeding with installation.



20. Insert the backing plates from underneath the crossmember, positioning them directly against the underside of the sway bar brace mounting locations. Orient each backing plate with the welded nut facing away from the sway bar brace before proceeding.



FRONT SWAY BAR INSTALLATION FOR 4WD CONTINUED

21. Align the backing plates with the front bolt holes in the Beltech front sway bar brace, ensuring the plates sit flush against the crossmember, and the threaded hole is properly centered.



22. Fasten the backing plates to the sway bar brace using the supplied M12 x 1.75 x 30 mm bolts and M12 washers. Start the bolts by hand to ensure proper thread engagement, then tighten the bolts evenly. Torque the bolts to 40 ft lbs.

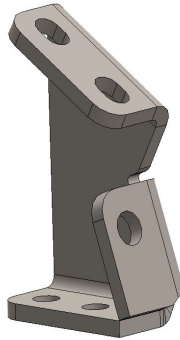


FRONT SWAY BAR INSTALLATION CONTINUED

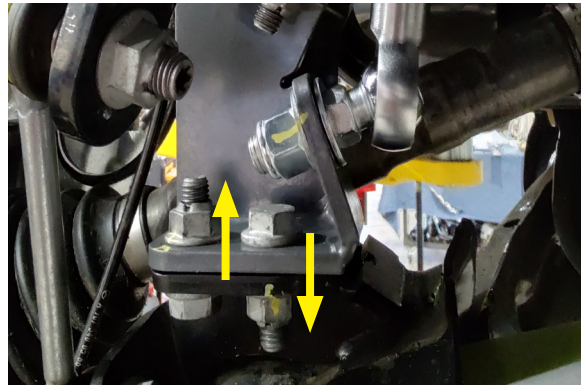
23. On the LH side, locate the original bump stop bracket. Remove the four upper and lower nuts and bolts.



24. Belltech end link bracket 155251-114 will be attached in place of the original bracket using the original nuts and bolts.



25. The bolt closest to the new end link tab must be placed upside down for clearance. Torque to factory specifications. Repeat these steps on the RH side.

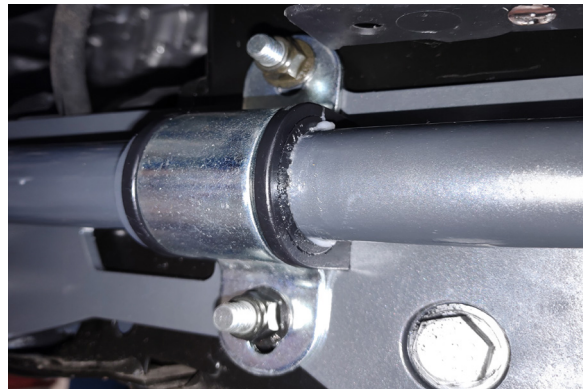
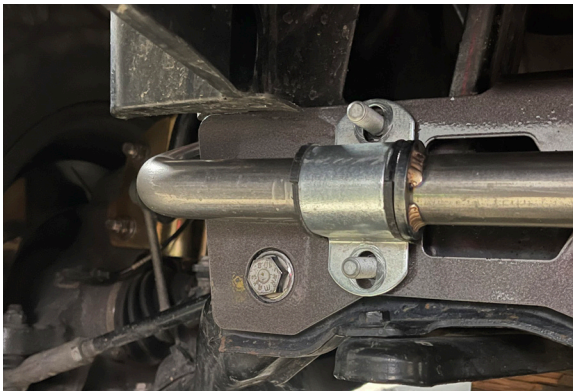


FRONT SWAY BAR INSTALLATION CONTINUED

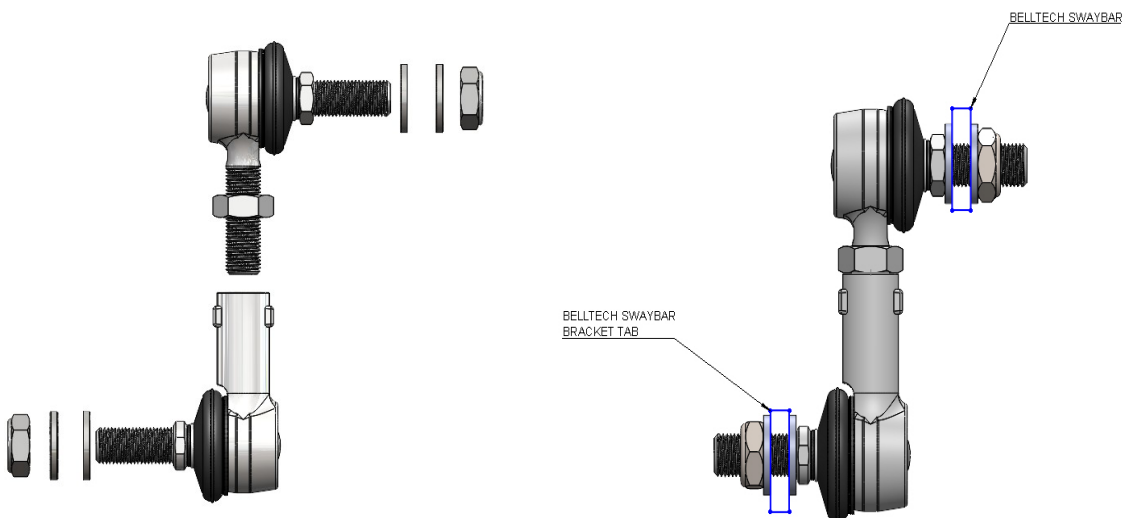
26. Thoroughly lubricate the inside of the supplied pivot bushings using the grease packet included with kit 5483-777B.
27. Place the bushings on both sides of the Belltech sway bar, next to the locating rings. Once located, rotate the bushings slightly to evenly spread the lubricant.



28. Place the supplied bushing brackets over the bushings and mount the Belltech sway bar on the pressed-in studs of the Belltech front brace. Fasten with the supplied M10 flanged Nyloc nuts. Torque to 37 ft lbs.



29. Assemble the supplied adjustable end links in kit 5483-777C. Use the diagrams below to set up the end links. Set the end link to the shortest height possible and tighten the jam nut. The end link should be extended if the suspension is fully extended and the sway bar is holding height.

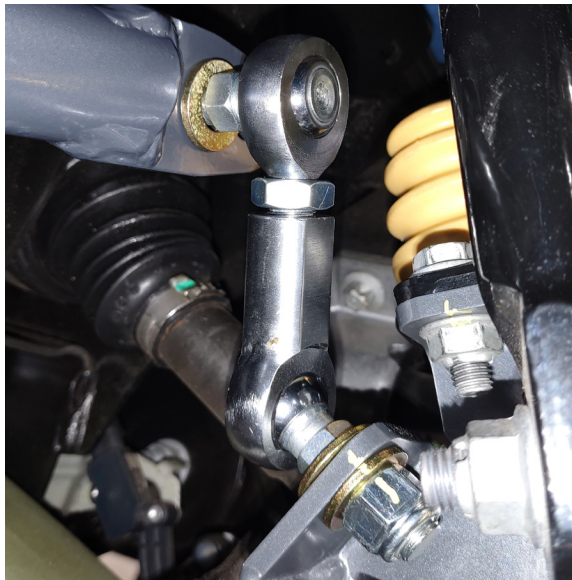


FRONT SWAY BAR INSTALLATION CONTINUED

30. Use the supplied 1/2" nuts and washers to attach the end links onto the Belltech end link brackets.



31. Use the supplied 1/2" nuts and washers to attach the end links onto the Belltech sway bar. Torque the upper and lower nuts to 45 ft lbs.



32. Tighten the jam nuts on both end links.

33. Attach the lower end links the lower control arms with the original nuts. Torque to factory specifications.

34. Check all the remaining hardware before mounting the wheels. Attach the skid plates then lower the vehicle to the ground.

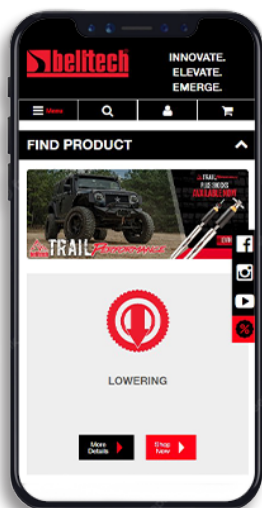


FINALIZING THE INSTALLATION

35. Lift the vehicle and remove the support stands.
36. Carefully lower the vehicle onto the flat ground.
37. Torque the front lower control arm bolts to factory specifications.
38. Check that all components and fasteners have been properly installed and torqued.
39. 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



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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



5483		
Part number	Description	Qty
5483-300	Front Anti-Sway Bar	1
155251-115-992	Front Anti-Sway Bar Brace	1
155251-114R-992	Front End Link Bracket (RH)	1
155251-114L-992	Front End Link Bracket (LH)	1
5483-777	Hardware Kit	1

5483-777 Hardware Kit		
Part number	Description	Qty
5483-777A	Sway Bar Brace Hardware (AWD ONLY)	1
5483-777B	Sway Bar Brackets Hardware	1
5483-777C	Sway Bar End Links Hardware	1
5483-777D	Sway Bar Brace Hardware (4WD ONLY)	1

5483-777A Hardware Kit (AWD ONLY)		
Part number	Description	Qty
155261-115-C-992	Sway Bar Brace Backing Plate	2
110228	M12 Washer	2
112165	M12 x 1.25 Nyloc Nut	2

5483-777B Hardware Kit		
Part number	Description	Qty
115002-95	Pivot Bushing Bracket	2
113110	1-3/8" Pivot Bushing	2
110280	M10 x 1.5 Nyloc Nut	4
55000-10	Grease Pack	1

5483-777C Hardware Kit		
Part number	Description	Qty
112251	1/2"-20 Male to Male Heim Joint	2
112152	1/2"-20 Male to Female Heim Joint	2
110273	1/2"-20 Thin Nyloc Nut	4
110660	1/2" Washer	8

5483-777D Hardware Kit (4WD ONLY)		
Part number	Description	Qty
155251-115-C-992	Sway Bar Brace Backing Plate	2
110228-M565	M12 Washer	2
110225-M565	M12 X 1.75 - 30MM Bolt	2



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