



INSTALLATION GUIDE

PART NUMBER: 15134
FRONT COILOVER KIT
MERCEDES SPRINTER AWD (VS30) | 2023+

0" TO 2" FRONT LIFT

HK & TPC KITS ARE RIDE HEIGHT ADJUSTABLE FOR DIFFERENT LOADS

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.

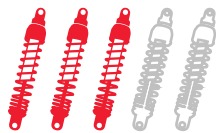
Failure to drive any modified vehicle in a safe manner may result in harm or death.

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
+ Alignment

RECOMMENDED TOOLS:

- Properly rated floor jack
- Ratcheting socket wrench and socket set
- Hammer
- Flat head screwdriver or pry tool
- Support stands
- Wheel chocks
- Metric wrench set
- Tape measure
- Safety glasses

SPECIALTY TOOLS:

- Torque wrench up to 200 ft lbs.



FITMENT GUIDE

Recommended Maximum Tire Size:

Front: 275/70/R17 with 5" MAX back spacing

INSTALLATION PREPARATION:

Before beginning the installation process, measure the hub to fender heights for your vehicle and record them in the "Before" section. After your vehicle has been modified, record the new measurements in the, "After" section. This way, you can compare the resulting height to the original. When taking the measurements, measure vertically from the center of the wheel to the inner edge of the fender.

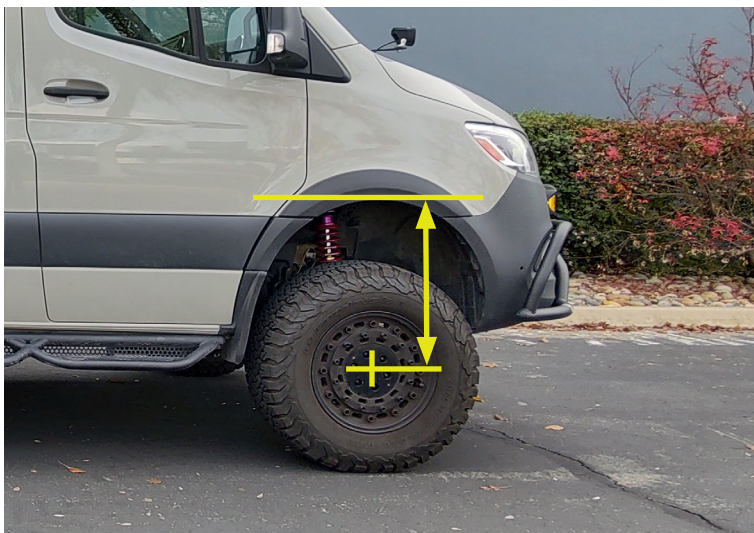
Before:

LF: _____

RF: _____

LR: _____

RR: _____



After:

LF: _____

RF: _____

LR: _____

RR: _____

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. Break loose, but do not spin the wheel lug nuts to ease in removal when the wheels are in the air.
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 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.
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.

FRONT STRUT REMOVAL

9. Support the lower control arms with floor jacks to control the suspension droop as components are removed.
10. From the inside of the vehicle, remove the floor liners or mats, and plastic coverings from the driver and passenger sides to gain access to the front strut mount. This is located in the front corners of the foot wells on both sides.



11. Detach the ABS lines from the brackets on the front struts and the wheel speed sensor lines from the knuckles. Move them aside to prevent stretching or damage during the removal procedure.



12. Remove the two bolts that hold the clevis of the strut to the knuckle. Carefully dislodge the clevis from the knuckle.



FRONT STRUT REMOVAL CONTINUED

13. Lower the jack until the suspension is fully drooped. Do not overstretch any cables or wires and confirm there is no interference as the suspension is lowered.
14. Remove the four strut top mount bolts on each side to release the strut from the tower. Support the top of the strut as it dislodges from the strut tower to prevent it from falling. Remove the strut assemblies from the vehicle. The original top mounts bolts will be used to fasten the new Belltech coilovers.



15. Remove the original bump stop bolts and detach the bump stops. Clean the mounting surface of the brackets.



BELLTECH COILOVER INSTALLATION

16. Locate the supplied Belltech bump stops, spacers, nuts, washers, and bolts supplied in hardware kit 15134-777.



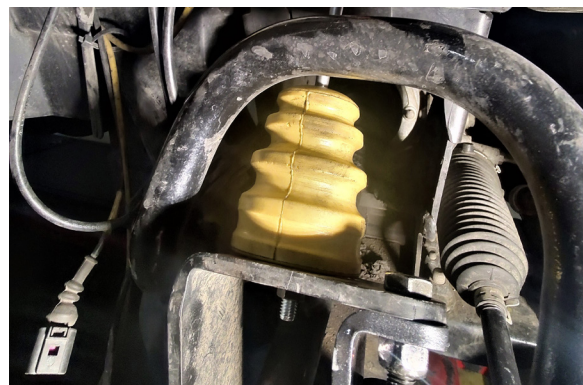
17. Place the supplied M8 bolts into the bump stops



18. Place two spacers under each bump stop, slide them onto the bolts.

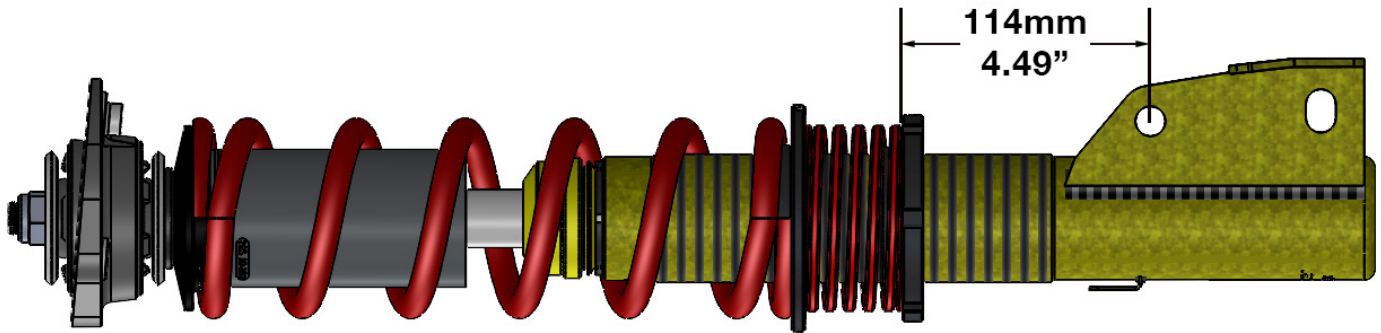


19. Place the bump stop assembly onto the bracket. Use the hole closest to the frame, toward the inside of the vehicle. Fasten the M8 bolt with the 8mm washer and M8 Nyloc nut.



BELLTECH COILOVER INSTALLATION CONTINUED

20. The new Belltech coilovers are delivered pre-assembled and set to recommended height to achieve a 2" lift.



Technician note:

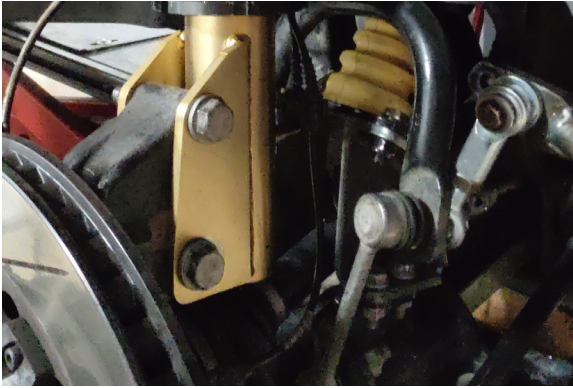
The smaller spring (Belltech helper spring) is always collapsed/compressed at ride height and during compression. This spring is designed to keep the main spring under tension when the suspension is fully extended, at the lowest possible setting.

21. Insert the assembled Belltech coilover into the strut tower. Fasten the top mount to the strut tower using the original bolts. Ensure the reinforcement plate is installed between the shock tower and the bolts. Do not torque yet.



BELLTECH COILOVER INSTALLATION CONTINUED

22. Attach the lower Belltech coilover clevis onto the knuckle. Fasten with the original clevis bolts. The original bolts are not eccentric. New eccentric bolts can be purchased from a local dealership to make the alignment easier to set. Torque the bolts to factory specifications.



Technician note:

After the installation a proper shop alignment procedure is recommended to minimize tire wear.

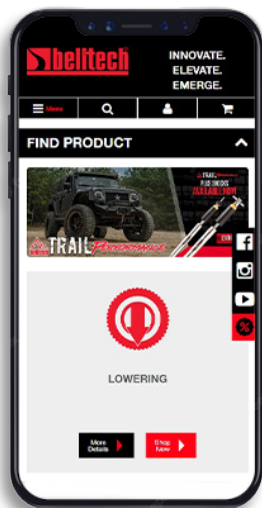
23. Attach the ABS lines to the brackets on the front coilovers. Attach the wheel speed sensor lines to the knuckles in their original positions.
24. Reconnect any hoses or brake lines if they were previously removed.
25. Torque the upper top mount bolts to factory specifications.
26. Assemble the interior components on both sides after the top mount hardware is tightened. Check all remaining hardware before mounting the wheels and lowering the vehicle to the ground.

FINALIZING THE INSTALLATION

27. Mount the wheels and tighten the lug nuts.
28. Lift the vehicle and remove the support stands.
29. Carefully lower the vehicle onto the flat ground.
30. Torque the lug nuts to 140 ft lbs.
31. Check that all components and fasteners have been properly installed and torqued.
32. 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



@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:

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Email: info@belltech.com

KIT CONTENTS

15134		
Part number	Description	Qty
15134-100	Belltech Coilover	2
68510039	Spanner Wrench	1
15134-777	Hardware Kit	1

15134-100		
Part number	Description	Qty
15134-235	Threaded Damper	1
19A00096	Top Mount	1
65050018	Spring Perch	1
65050395	Upper Spring Seat	1
15000-003	Intermediate Ring	1
4001-001	Helper Spring	1
70040-300-993	Linear Spring	1
15000-105	Vent Disc	1
15000-799	Bump Stop	1
65210960	Dust Boot	1
65210346	Spring Bearing Assembly	1
68320103	M5 x 12 Set Screw	1

15134-777 Hardware Kit		
Part number	Description	Qty
112066	M8 X 1.25MM - 30MM Bolt	2
112062	M8 X 1.25MM Nyloc Nut	2
110635	M8 Washer	2
4924-010	Bump Stop Spacer	4
4924-001	Bump Stop	2



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