



INSTALLATION GUIDE

PART NUMBER: 15135, 15136, 15137
REAR COILOVER KIT
MERCEDES SPRINTER AWD (VS30) | 2023+

0" TO 2" REAR 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.

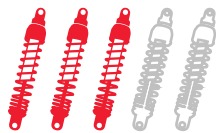
Failure to drive any modified vehicle in a safe manner may result in harm or death.

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

Always wear your seatbelt.



DIFFICULTY:



INSTALLATION TIME: 2 - 3 Hours

RECOMMENDED TOOLS:

- Properly rated floor jack
- Ratcheting socket wrench and socket set
- 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:

Rear: 275/70/R17 with 8" 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 front 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 rear 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.

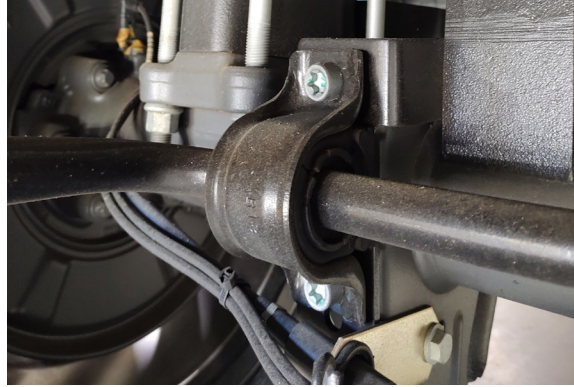


Technician reminder:

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.

REAR SUSPENSION REMOVAL

7. Detach the rear sway bar bushings brackets from the axle. The brackets will be reinstalled at a later time.



8. Remove the bolt that holds the speed sensor and brake line bracket, located under the axle, from both the LH and RH side.



9. Remove the upper shock mount bolt from the frame on both sides of the vehicle.



REAR SUSPENSION REMOVAL CONTINUED

10. Remove the lower shock mount bolt from the axle on both sides of the vehicle. Detach the shocks from the vehicle.



11. Detach the bump stop block from the axle contact points.

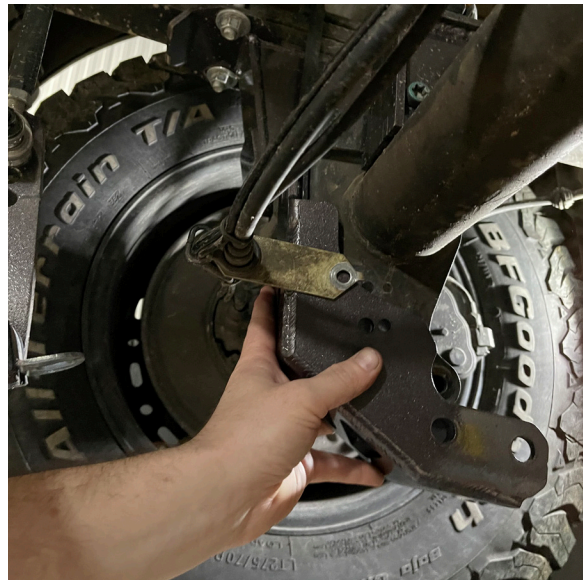


BELLTECH COILOVER INSTALLATION

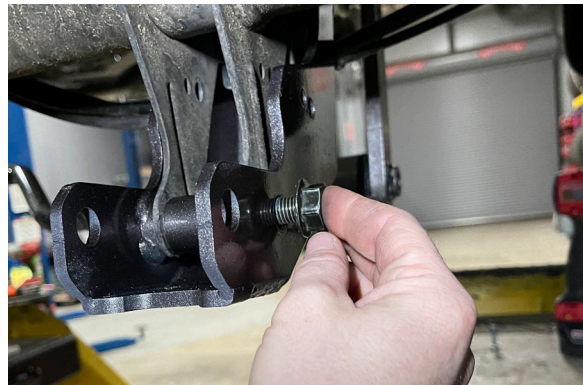
12. Locate the supplied 40mm spacer tubes 155251-235-D-992 supplied in hardware kit 15135-777B. Place the spacers in the axle clevis where the lower shock mounts are attached.



13. Mount the lower coilover brackets over the original lower shock mounts.

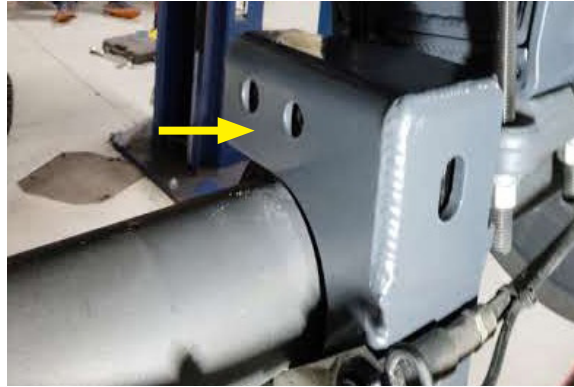


14. Fasten the brackets through the original lower shock mount bolt holes with the supplied M12x1.75-90mm bolts, M12 nuts, and washers. Do not torque brace until the coilover is installed.



BELLTECH COILOVER INSTALLATION CONTINUED

15. Attach the original bump stop blocks onto the Belltech lower coilover brackets with the original hardware.



16. Attach the original sway bar bushing brackets onto the axle. The Belltech lower coilover bracket will be fastened between the bushing bracket and axle. Torque the sway bar bushing bracket bolts to factory specifications.



Technician note:

If Belltech rear sway bar kit 5583 is also being installed, follow the installation instructions from the 5583 kit and disregard the original rear sway bar.



17. The original speed sensor and brake line brackets will be attached onto the Belltech lower coilover brackets with the supplied M8x1.25-30mm bolts, M8 nuts, and washers. Depending on other lift components, the brackets will be attached at two different locations. If the installation includes Belltech lift blocks, route the cables over the sway bar. Without Belltech lift blocks, route the cables below the sway bar brackets.
18. If being installed with Belltech lift blocks, use the location in the image to the left. If being installed without Belltech lift blocks, use the image on the right.



BELLTECH COILOVER INSTALLATION CONTINUED

19. Detach the wire loom clips running through the inside of the frame rail.



20. Place the Belltech upper coilover brace 155251-245-992 on the frame. The brace will be positioned around the upper bump stop and line up with the existing holes in the frame.



21. Fasten upper coilover braces onto the frame with the supplied M18x2.5-130mm bolts found in kit 15135-777A. The bolts will be inserted into the brace with the bolt head facing toward the outside. No washers are installed from the outside.



BELLTECH COILOVER INSTALLATION CONTINUED

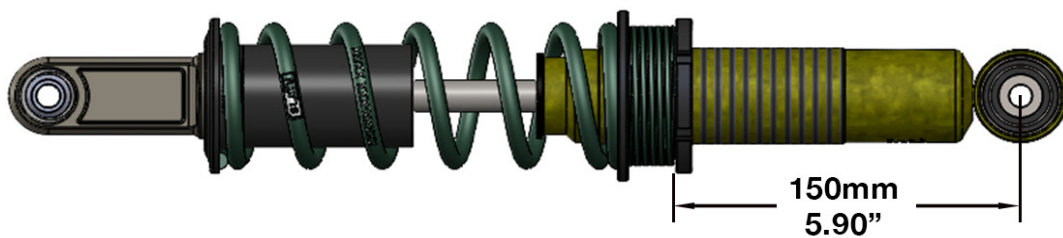
22. The M18 nuts and washers are fastened from inside brace. Torque the supplied upper brace hardware to 55 ft lbs.



23. Ensure the Belltech upper coilover brace are installed in the same manner on both sides of the vehicle.



24. The new Belltech coilovers are delivered pre-assembled. Set the minimum height of the coilover to 150mm as shown in the example below.



25. Attach the coilovers to the Belltech upper coilover braces. Fasten with the original bolts, do not torque yet.



BELLTECH COILOVER INSTALLATION CONTINUED

26. Attach the bottom of the coilover to the lower bracket with the supplied M14x2.0-100mm bolts, M14 Nyloc nuts, and washers found in kit 15135-777C. Torque the lower bolts to 75 ft lbs.



27. Torque the upper coilover bolts to 100 ft lbs.
28. Place the hex bolt locks supplied in kit 15135-777A over the upper brace bolts. Fasten the locks with the supplied M6x1-25mm bolts and M6 washers.



BELLTECH COILOVER INSTALLATION CONTINUED



Technician note:

Depending on what other components are installed with the rear Belltech coilovers, the upper frame rail brake tab may need to be modified to prevent contact with the coilover springs at full drop or when the suspension is fully extended.

29. Examples of potential contact between the brake lines and springs before any modification:



30. Examples of clearance between the brake lines and springs after modification (bend the brake line tab):

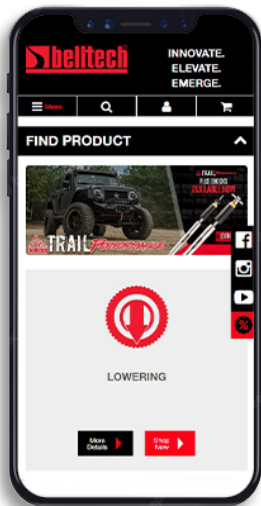


FINALIZING THE INSTALLATION

31. Lift the vehicle and remove the support stands.
32. Carefully lower the vehicle onto the flat ground.
33. Check that all components and fasteners have been properly installed and torqued.
34. 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.

Belltech Customer Support:

Phone: 1-800-445-3767

Email: info@belltech.com

KIT CONTENTS 15135

15135		
Part number	Description	Qty
15135-100	Belltech Coilover	2
68510039	Spanner Wrench	1
155251-245L-992	Upper Shock Brace (LH)	2
155251-245R-992	Upper Shock Brace (RH)	2
155251-235L-992	Lower Shock Bracket (LH)	2
155251-235R-992	Lower Shock Bracket (RH)	2
15135-777	Hardware Kit	1

15135-100		
Part number	Description	Qty
15135-245	Threaded Damper	1
65050018	Spring Perch	1
15000-011-961	Eyelet Spring Adapter	1
65245814	Intermediate Ring	1
4001-001	Helper Spring	1
70030-250-993	Main Spring	1
68350357	Snap Ring	1
68320103	M5 X 12 Set Screw	1

15135-777 Hardware Kit		
Part number	Description	Qty
15135-777A	Upper Brace Hardware	1
15135-777B	Lower Bracket Hardware	1
15135-777C	Lower Coilover Hardware	1

15135-777B Hardware Kit		
Part number	Description	Qty
112119	M8 x 1.25 - 30mm Hex Bolt	2
112147	M8 x 1.25 Flange Nut	2
110507	M12 x 1.75 - 90mm Flange Bolt	2
110228	M12 Washer	2
112165	M12 Nyloc Nut	2
110245	M8 Washer	2
155251-235-D-992	40mm Spacer Tube	2

15135-777A Hardware Kit		
Part number	Description	Qty
110293	M18 x 2.5 - 130mm Hex Bolt	4
112141	M18 Washer	4
112132	M18 x 2.5 Nyloc Nut	4
110286	M6 x 1 - 25mm Bolt	2
110117	M6 Washer	2
110118-961	21mm Hex Bolt Lock	2

15135-777C Hardware Kit		
Part number	Description	Qty
110220	M14 x 2.0 - 100mm Bolt	2
110223	M14 Washer	4
110222	M14 x 2.0 Nyloc Nut	2

KIT CONTENTS 15136

15136		
Part number	Description	Qty
15135-100	Belltech Coilover	2
68510039	Spanner Wrench	1
155251-245L-992	Upper Shock Brace (LH)	2
155251-245R-992	Upper Shock Brace (RH)	2
155251-235L-992	Lower Shock Bracket (LH)	2
155251-235R-992	Lower Shock Bracket (RH)	2
15135-777	Hardware Kit	1

15136-100		
Part number	Description	Qty
15135-245	Threaded Damper	1
65050018	Spring Perch	1
15000-011-961	Eyelet Spring Adapter	1
65245814	Intermediate Ring	1
4001-001	Helper Spring	1
70050-250-993	Main Spring	1
68350357	Snap Ring	1
68320103	M5 X 12 Set Screw	1

15135-777 Hardware Kit		
Part number	Description	Qty
15135-777A	Upper Brace Hardware	1
15135-777B	Lower Bracket Hardware	1
15135-777C	Lower Coilover Hardware	1

15135-777B Hardware Kit		
Part number	Description	Qty
112119	M8 x 1.25 - 30mm Hex Bolt	2
112147	M8 x 1.25 Flange Nut	2
110507	M12 x 1.75 - 90mm Flange Bolt	2
110228	M12 Washer	2
112165	M12 Nyloc Nut	2
110245	M8 Washer	2
155251-235-D-992	40mm Spacer Tube	2

15135-777A Hardware Kit		
Part number	Description	Qty
110293	M18 x 2.5 - 130mm Hex Bolt	4
112141	M18 Washer	4
112132	M18 x 2.5 Nyloc Nut	4
110286	M6 x 1 - 25mm Bolt	2
110117	M6 Washer	2
110118-961	21mm Hex Bolt Lock	2

15135-777C Hardware Kit		
Part number	Description	Qty
110220	M14 x 2.0 - 100mm Bolt	2
110223	M14 Washer	4
110222	M14 x 2.0 Nyloc Nut	2

KIT CONTENTS 15137

15137		
Part number	Description	Qty
15135-100	Belltech Coilover	2
68510039	Spanner Wrench	1
155251-245L-992	Upper Shock Brace (LH)	2
155251-245R-992	Upper Shock Brace (RH)	2
155251-235L-992	Lower Shock Bracket (LH)	2
155251-235R-992	Lower Shock Bracket (RH)	2
15135-777	Hardware Kit	1

15137-100		
Part number	Description	Qty
15135-245	Threaded Damper	1
65050018	Spring Perch	1
15000-011-961	Eyelet Spring Adapter	1
65245814	Intermediate Ring	1
4001-001	Helper Spring	1
70080-250-993	Main Spring	1
68350357	Snap Ring	1
68320103	M5 X 12 Set Screw	1

15135-777 Hardware Kit		
Part number	Description	Qty
15135-777A	Upper Brace Hardware	1
15135-777B	Lower Bracket Hardware	1
15135-777C	Lower Coilover Hardware	1

15135-777B Hardware Kit		
Part number	Description	Qty
112119	M8 x 1.25 - 30mm Hex Bolt	2
112147	M8 x 1.25 Flange Nut	2
110507	M12 x 1.75 - 90mm Flange Bolt	2
110228	M12 Washer	2
112165	M12 Nyloc Nut	2
110245	M8 Washer	2
155251-235-D-992	40mm Spacer Tube	2

15135-777A Hardware Kit		
Part number	Description	Qty
110293	M18 x 2.5 - 130mm Hex Bolt	4
112141	M18 Washer	4
112132	M18 x 2.5 Nyloc Nut	4
110286	M6 x 1 - 25mm Bolt	2
110117	M6 Washer	2
110118-961	21mm Hex Bolt Lock	2

15135-777C Hardware Kit		
Part number	Description	Qty
110220	M14 x 2.0 - 100mm Bolt	2
110223	M14 Washer	4
110222	M14 x 2.0 Nyloc Nut	2



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