



INSTALLATION GUIDE

PART NUMBER: 15306
FRONT COILOVER KIT
TOYOTA TACOMA 4WD | 2016-2023

+4" to +6" HEIGHT ADJUSTABLE

This coilover kit was designed to be used with Belltech lift kit number 154301. It cannot be used alone to achieve a 4" to 6" lift. It may be used on a vehicle that has been lifted 4" to 6" using another brand. Belltech has not tested cross-compatibility with any other brands and cannot guarantee results when used with another brands products.

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:

2-4 Hours + Alignment

RECOMMENDED TOOLS:

- Properly rated floor jack
- Support stands
- Wheel chocks
- Metric socket wrench set
- Metric wrench set
- Tape measure
- Marking Pen

SPECIALTY TOOLS:

- Torque wrench up to 150 ft lbs.



Technician note:

Before making any adjustments to your new Belltech coilover, please be sure to loosen the set screw on the lower spring perch. Failure to do so will damage the threads. After the adjustments are made, you may then tighten the set screw to keep the settings in place.



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.

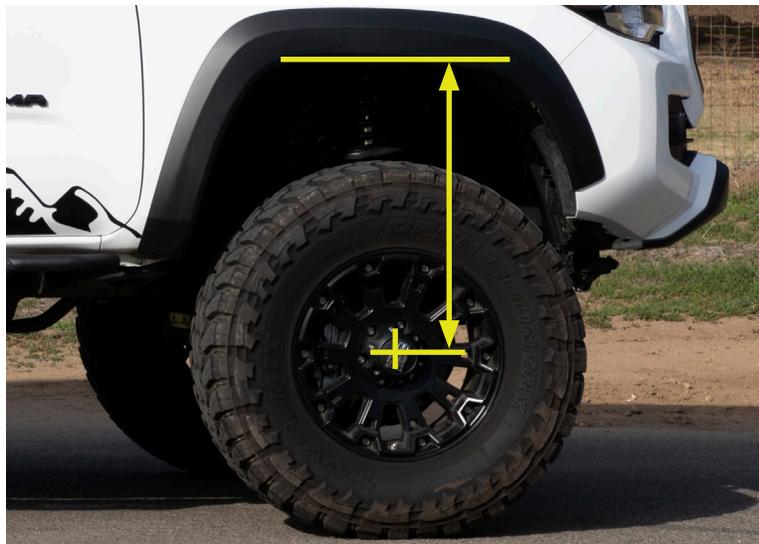
Before:

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 first gear (manual).
3. Activate the parking brake.
4. Loosen, but do not remove, the front wheel lug nuts.
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 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 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.

ORIGINAL STRUT REMOVAL

9. Remove the 17mm nut from the sway bar end link and disconnect the end link assembly from the spindle. It helps to have both sides of the vehicle disconnected simultaneously to avoid binding of parts. Optionally, the end link can be removed from the sway bar.



10. Disconnect the tie rod by removing the cotter pin and 19mm castle nut. Strike the designated area on the spindle to dislodge the tie rod.



11. Remove the 24mm lower ball joint nut, the two 19mm lower bracket bolts, and detach the lower bracket from the spindle. This will allow the spindle assembly to be moved to the side for clearance. Use a strap or rope to tie the spindle assembly to the chassis.



ORIGINAL STRUT REMOVAL CONTINUED

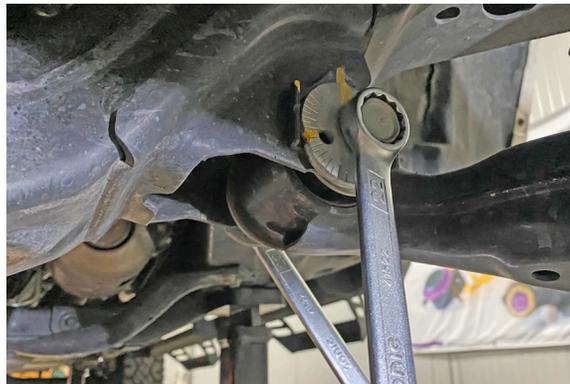
12. Remove the 19mm bolt and nut securing the lower shock mount to the lower control arm.



13. Mark the alignment of the camber and caster adjustment bolts securing the lower control arm to the frame. This will help keep the alignment close to the original settings when installing the control arms.



14. Break loose but do not remove the 22mm bolts securing the lower control arm to the frame. Loosen in small increments until the lower control arm can swing downward. Support the lower control arm to prevent it from swinging down too quickly.



15. Remove the three top mount 14mm nuts and remove the strut from the vehicle. Hold the strut to avoid dropping it. Additional adjustment of the spindles' position may be necessary to pull the strut down. Do not separate the joints of the axle by pulling on the spindle too much.



ORIGINAL STRUT DISASSEMBLY

- Using a proper spring compressor, mount the strut assembly and ensure it is secured before proceeding. To ease the installation of the new Belltech coilover, mark the position of the top mount in relationship to the upper spring isolator and strut body.



Technician note:

The installation photograph shown was taken at a professional installation shop. It is important to use a spring compressor to compress the spring before removing the top mount bolt. Failure to do so may result in serious injury.

- Compress the spring until tension is relieved from the strut. Remove top nut and mount. You will use the mount with your new Belltech coilover.



- Remove the original strut from the fixture.

BELLTECH COILOVER HEIGHT SETUP AND ASSEMBLY

19. The coilover is delivered as shown below. Remove the Nyloc nut from the top of the Belltech coilover to proceed.



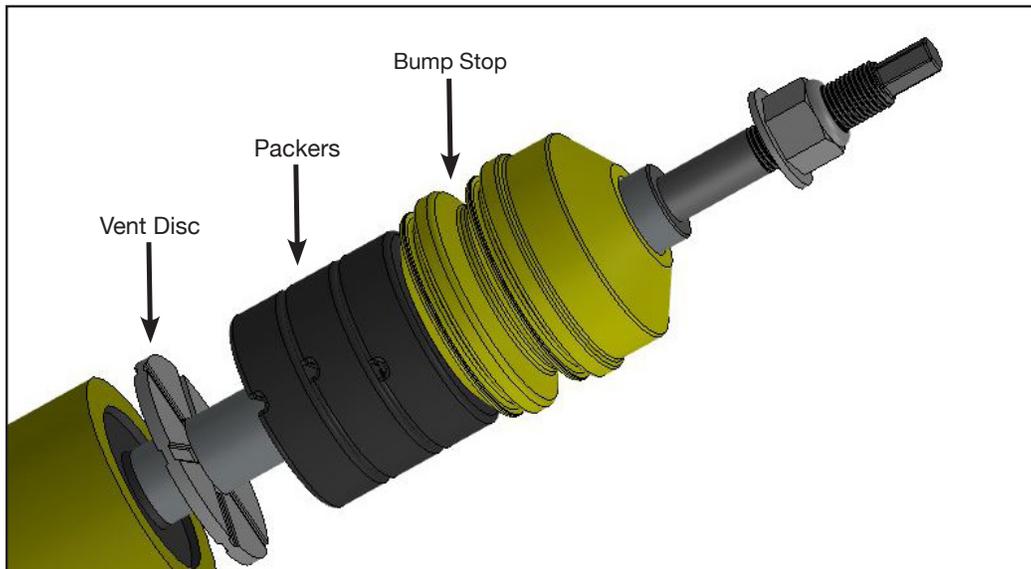
20. Confirm the vent disk is located on the coilover, under the dust boot. If for any reason your vent disk is not present, please call our technical support staff before proceeding, driving on the coilover without it could cause premature shock to failure.

21. Using the table on page 8 as reference, remove the spring and slide the 15mm packer onto the coilover rod if needed.



Technician note:

Belltech uses packers to maintain the correct bump stop engagement at various height ranges. Using the appropriate packer will prevent excessive body roll. If a packer is needed, according to the table on page 8, please place the packer on top of the vent disc, channel side down, as shown in the image below this text box.



BELLTECH COILOVER HEIGHT SETUP AND ASSEMBLY CONTINUED

22. Loosen the set screw on the spring perch.



Technician note:

When raising your vehicle more than 1", OE camber may not be achievable. Ensure proper toe alignment to minimize tire wear.

23. Use the provided spanner wrench to turn the bottom spring perch to obtain desired spring perch height. Measure from the top of the spring perch to the center of the lower bushing. Find the appropriate spring perch height by referencing the table below. We do not recommend adjusting outside of the specified height range as the performance of the shock may decrease greatly.

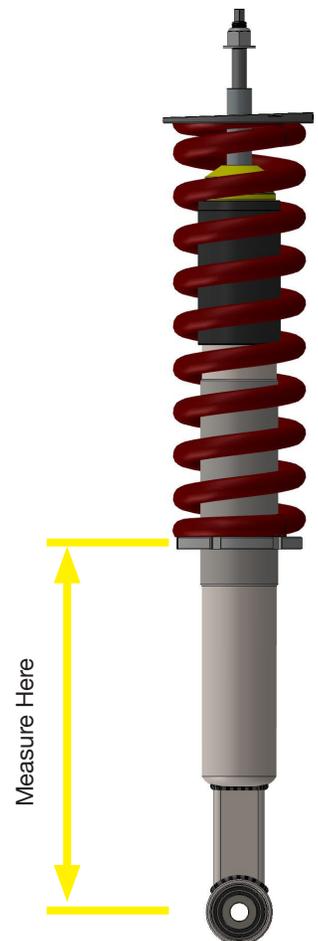
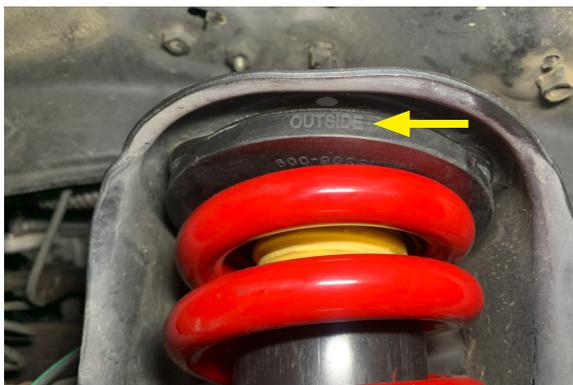
2016-2023 Toyota Tacoma 4WD		
Lift (Inches)	Perch height (millimeters)	15mm Packer
4"	325mm	0
5"	338mm	1
6"	351mm	2



Technician note:

Your vehicle's exact ride heights may vary due to differences in chassis and trim levels. The perch heights depicted on our tables are a suggested starting point.

- 24. Tighten the set screw. Do not over tighten the set screw. Max torque is 1-2 Nm (1.5 ft lbs.)
- 25. Complete the assembly with the spring, angled upper spring shim, and the original top mount on the Belltech coilover.
- 26. Ensure the angled upper spring shim is positioned with "OUTSIDE" facing outward.



27. Reference the markings made before disassembly and ensure the top mount is oriented in the same position. Torque the supplied Nyloc nut onto the coilover. Torque to 20 ft lbs.

BELLETCH COILOVER INSTALLATION



Technician note:

After installing the new Belltech coilovers, it is required to stabilize the suspension. DO NOT torque until the vehicle is lowered to the ground or a jack is used to load the suspension. After the suspension is loaded and stabilized, proceed with the suggested torque specs.

28. Place the coilover assembly into the chassis strut tower and secure it using the original nuts. Stay clear of any brake or ABS lines. Once the suspension is stabilized, torque to 47 ft lbs.



29. Attach the lower coilover mount to the lower control arm using the original nut and bolt. Once the suspension is stabilized, torque 61 ft lbs.



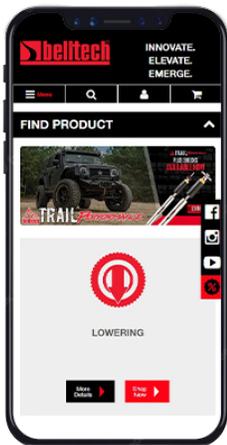
30. Attach the lower bracket to the spindle and lower ball joint. Torque the lower ball joint nut to 103 ft lbs. and the lower bracket bolts to 118 ft lbs.
31. Attach the end link to the spindle. Once the suspension is stabilized, torque to 53 ft lbs.
32. Attach the tie-rod end to the spindle, torque to 67 ft lbs.
33. Set the alignment settings to the markings made before installation. Tighten the lower control arm bolts and cams. Ensure the suspension is stabilized, torque the front bolt to 135 ft lbs. and the rear bolt to 139 ft lbs.

FINALIZING THE INSTALLATION

34. Mount the wheels and tighten the lug nuts.
35. Lift the vehicle and remove the support stands.
36. Carefully lower the vehicle onto the flat ground.
37. Torque the lug nuts to 83 ft lbs.
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](https://www.facebook.com/belltechsuspension)



[Belltech Suspension](https://www.youtube.com/BelltechSuspension)



[@belltechsuspension](https://www.instagram.com/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:

Phone: 1-800-445-3767

Email: info@belltech.com

KIT CONTENTS



LIFT COILOVER KIT		
Part number	Description	Qty
15306-100	BELLTECH COILOVER	2
68510039	SPANNER WRENCH	1

LIFT COILOVER		
Part number	Description	Qty
15306-245	THREADED DAMPER	1
15306-009	ANGLED SPRING SHIM	1
65210800	DUST BOOT	1
15002105	VENT DISC	1
65210799	BUMP STOP	1
4935-001	15MM PACKER	2
68320103	SET SCREW	1
65050018	SPRING PERCH	1
70150-330-993	LINEAR SPRING	1