



INSTALLATION INSTRUCTIONS
154302-104
LEVELING DIFF DROP KIT

3RD GEN TOYOTA TACOMA

Thank you for being selective enough to choose our high quality BELLTECH PRODUCT. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation

Warning: DO NOT work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

Warning: DO NOT drive vehicle until all work has been completed and checked. Torque all hardware to specified values.

Reminder: Proper use of safety equipment and eye/face/hand protection is absolutely necessary when using these tools to perform procedures!

Note: It is very helpful to have an assistant available during installation.

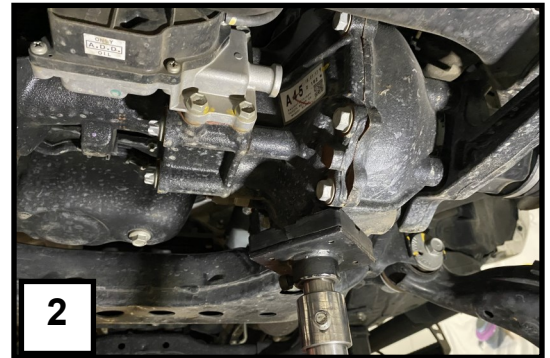
Note: Please refer to component and hardware list before beginning installation to insure all necessary pieces have been supplied and packaged.

RECOMMENDED TOOLS:

- Properly rated floor jack and support stands
- Wheel chocks
- Torque wrench up to 200 ft/lbs range
- Metric socket wrench set
- Metric wrench set

KIT CONTENTS			
154302-104-A	SPACER OD 38mm , 15mm, H 25.5mm		2
154302-104-B	SPACER OD 25mm, ID 10mm, H 12.75mm		2
112119	M8 X 1.25 X30mm	Grade 10.9	2
110245	M8 Washer	Grade 10.9	2
112120	M14 X 1.5 X 150mm	Grade 10.9	2
110223	M14 Washer	Grade 10.9	2
112121	M14 x 1.5 Nylock nut	Grade 10.9	2

- 1) It is helpful to perform this install on a scissor lift or anywhere that grants access to the bottom of the vehicle without suspending the wheels. Alternatively the vehicles front end can be lifted using floor jacks or a lift (follow proper safety procedures for your method)
- 2) Locate the bolts securing the front skid plate to the chassis of the vehicle. Remove these and set aside for reinstallation. **(PHOTO 1)**
- 3) Support the differential using either a jack or bottleneck jack. **(PHOTO 2)**
- 4) Remove the bolts securing the front driver and passenger differential mounts to the chassis. **(PHOTO 3)**
- 5) Lower the differential enough to insert the larger spacers supplied in the kit.
- 6) Insert the spacers along with the new Grade 10.9 M14x1.5-150mm bolts, washers, and nuts. **(PHOTO 4)**
- 7) Reinstall the skid plate, making sure to use the new supplied grade 10.9 M8x1.25x30mm bolts and washers towards the rear of the vehicle. The shorter supplied spacers should be installed between the chassis and the skid plate. **(PHOTO 5)**
- 8) Torque all hardware to factory specifications.
- 9) The differential drop kit is now installed.





INSTALLATION INSTRUCTIONS
26015
0.5-3" LIFTING STRUT

300 W. Pontiac Way Clovis, CA 93612 toll free: 1-800-445-3767 web: www.belltech.com

16+ 3RD GENERATION TOYOTA TACOMA

***Designed to be used with Belltech Leveling Differential Drop Kit 154301-104 ***

Thank you for being selective enough to choose our high quality BELLTECH PRODUCT. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation

Note: Confirm that all of the hardware listed in the parts list is in the kit. **Do not** begin installation if any part is missing. Read the instructions thoroughly before beginning this installation.

Warning: DO NOT work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer’s specified locations unless otherwise instructed.

Warning: DO NOT drive vehicle until all work has been completed and checked. Torque all hardware to specified values.

Reminder: Proper use of safety equipment and eye/face/hand protection is absolutely necessary when using these tools to perform procedures!

Note: It is very helpful to have an assistant available during installation.

RECOMMENDED TOOLS:


- Properly rated floor jack and support stands
- Wheel chocks
- Torque wrench up to 200 ft/lbs
- Metric socket wrench set
- Metric wrench set
- Tape measure
- Dead blow hammer
- Marking pen
- Safety Glasses



DIFFICULTY:




INSTALLATION TIME: 2-4hrs + Alignment

Difficulty: 

Installation time: 2-4hrs + Alignment

KIT CONTENTS		
PART #	DESCRIPTION	QTY
26015-200	TRAIL PERFORMANCE STRUT 0.5-3" LIFTING	1
25003-007	7MM SPACER W/ 1.5" RADIUS	6
26015-002	NARROW SPRING PERCH	1
4935-001	15MM BUMP STOP PACKER	2
4923-001	2 INCH BUMPSTOP	1
-	Grade 10.9 M12X1.25MM FLANGED NYLOCK NUT	1

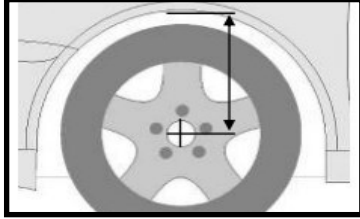
Difficulty: 

Installation time: 2-4hrs + Alignment

INSTALL PREPARATION

- a) Before beginning the install process, measure the hub to fender heights for your vehicle so you can compare the resulting height to the original. Measure vertically from the center of the wheel to the inner edge of the fender. Record the results here:

LF: _____ RF: _____ LR: _____ RR: _____



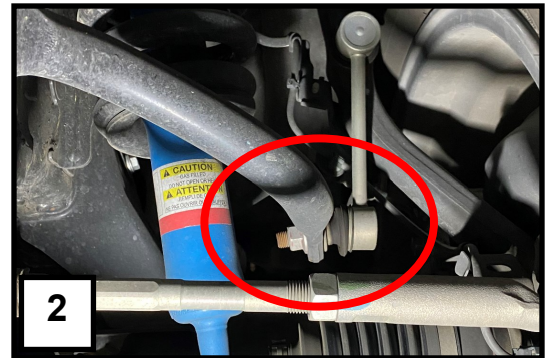
- a) Park the vehicle on a smooth, level concrete or seasoned asphalt surface and activate the parking brake. Block the rear wheels of the vehicle with appropriate wheel chocks; making sure the vehicle's transmission is in 1st gear (manual) or "PARK" (automatic)

! It is very important that the vehicle is properly supported during this installation to prevent personal injury and chassis damage. Raise the vehicle with a lift or jack following the appropriate safety procedures. Make sure that support stands are properly placed prior to performing any of the following steps. **WHEEL RAMPS ARE NOT RECOMMENDED FOR THIS INSTALLATION !**

The following steps are only designed to be used on an otherwise unmodified vehicle using the appropriate BELLTECH Parts. If using in conjunction with other aftermarket parts, the alignment and results cannot be guaranteed. If installing on a modified vehicle please use the appropriate installation procedure for your specific vehicle build at your own discretion.

FRONT OEM STRUT REMOVAL INSTRUCTIONS

- a) Remove the lug nuts (21mm) and dismount the wheels from the vehicle. **(PHOTO 1)**
- b) Remove the nut from the sway bar end link and disconnect the end link assembly from the sway bar (it will be helpful to have both sides of the vehicle disconnected simultaneously to avoid binding of parts, optionally, the end link can be removed from the spindle as well.) **(PHOTO 2)**
- c) Disconnect the tie rod by removing the cotter pin and Castle nut. Strike the designated area carefully on the spindle to dislodge the tie rod. **(PHOTO 3)**
- d) Using a 19mm socket, remove the two bolts securing the lower ball joint to the spindle. Be careful to stabilize the spindle as it is now free to move. **(PHOTO 4)**
- e) Remove the bolt and nut securing the lower shock eyelet to the lower control arm. **(PHOTO 5)**



Difficulty: 

Installation time: 2-4hrs + Alignment

FRONT OEM STRUT REMOVAL INSTRUCTIONS

- a) Using an oil based paint pen, mark the alignment of the camber and caster adjustment bolts securing the lower control arms to the frame. When reinstalling the control arms later, this will help to keep the alignment closer to oem. **The vehicle must be aligned after the install to minimize tire wear and maintaining handling characteristics. (PHOTO 6)**
- b) Using two 22mm wrenches, loosen both bolts securing the control arm to the frame. Loosen in small increments until the lower control arm is able to swing downwards. Be careful to support the lower control arm to prevent it from swinging downwards too fast. The upper control arm has enough resistance to suspend the spindle/axle/upper control arm assembly. **(PHOTO 7)**
- c) With the lower control arm swung down and out of the way, the strut should only be held on by the three nuts on the top mount. While holding the strut up to avoid dropping it, loosen and remove the three top mount nuts using a 14mm wrench. **(PHOTO 8 & 9)**
- d) Remove the strut from the vehicle. Some additional adjusting of the spindles location may be necessary to drop the strut down. Be careful not to separate the joints of the axle by pulling on the spindle too much.
- e) Using a spring compressor compress the springs on the strut and disassemble the strut by removing the top nut (17mm) holding the top mount to the strut assembly. Be careful to use the proper procedure for your tools. **(PHOTO 10)**



Difficulty: 

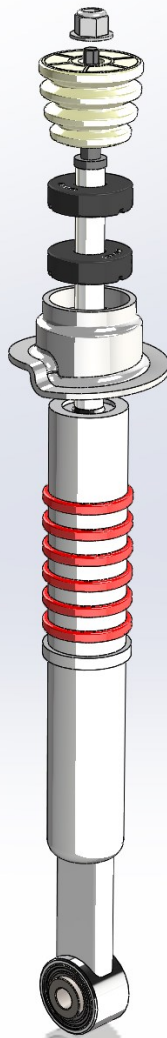
Installation time: 2-4hrs + Alignment


TRAIL PERFORMANCE STRUT SETUP

- a) Assemble the strut as shown below using the OEM spring and top mount assembly. The below table is used as a reference for the resulting lift height.
- b) If a half inch lift is desired, each 7mm (25003-007) is designed to lift the vehicle by approximately a half inch.

ADJUSTMENT RINGS—RESULTING LIFT HEIGHT

PART NO.	DESCRIPTION	LIFTING 1.0"	LIFTING 2.0"	LIFTING 3.0"
25003-007	7mm(.293") RING	2	4	6
4935-001	15mm(.59") PACKER	0	1	2

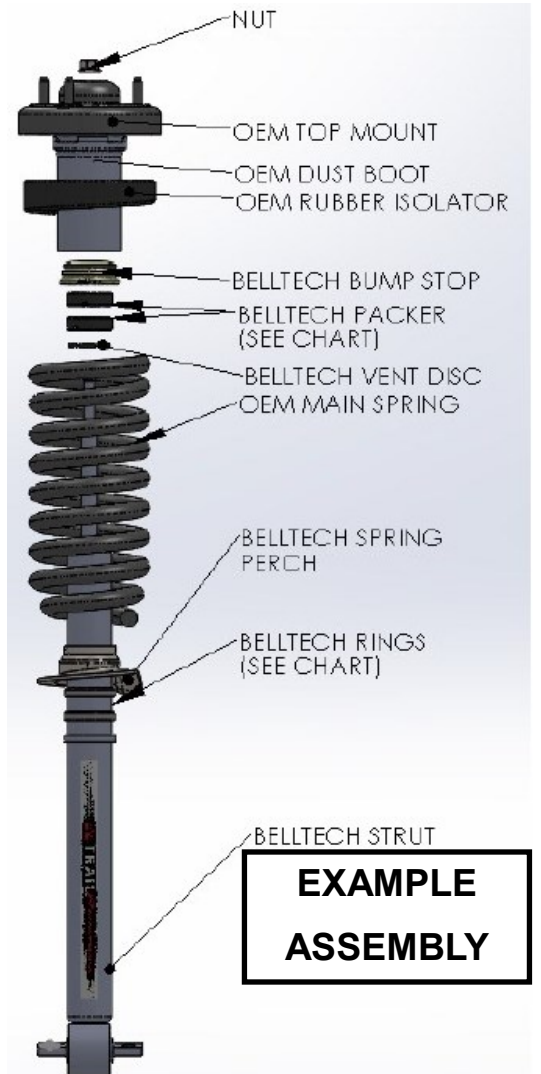



Difficulty: 

Installation time: 2-4hrs + Alignment

TRAIL PERFORMANCE STRUT INSTALL/POST INSTALL

- a) Reinstall all parts in reverse order of the installation. Refer to the owners manual or factory specifications for torque specs.
- b) Reinstall the Camber and caster bolts for the lower control arms and line them up with the markings made in the deinstallation process. This will help keep the alignment specs closer to the proper end result. This does not negate the need for a professional alignment. The vehicle alignment has been altered and needs to be corrected by a professional to avoid causing unnecessary tire wear or negative driving characteristics. **(PHOTO 11)**
- c) Please note that these struts (in this application) were designed to be used with the differential drop kit. It is designed to help aid the axles sit at a better angle and prevent boots from tearing or causing wear to your axles. Refer to the instructions for the *Leveling Differential Drop Kit (PN# 154302-104-888)*
- d) Check that all components and fasteners have been properly installed, tightened and torqued
- e) Check brake hoses and other components for any possible interference
- f) Lift the vehicle, and remove the support stands. Carefully lower the vehicle to the ground. Torque the wheels.
- g) Test drive the vehicle in a remote location so that you can become accustomed to the revised driving characteristics and handling.
- h) Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, and 1000 miles.



Difficulty: 

Installation time: 2-4hrs + Alignment