



# INSTALLATION GUIDE

**PART NUMBER: 150220**

**LIFT KIT**

**GM 1500 SUV 2WD/4WD | 2021+**

Depending on the Belltech lift kit you purchased, your ride heights will vary.

**150220TP/150220TPS: 3.5" to 4.5"**

**150220HK: 3" to 4"**

**300 W. PONTIAC WAY. CLOVIS, CA 93612**

**PHONE: 800-445-3767 | EMAIL: [INFO@BELLTECH.COM](mailto: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 of the components listed on the parts list is 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](mailto: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 absolutely 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 6am to 5pm PST.

We recommend that a qualified mechanic, at 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 re-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.

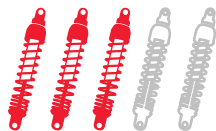
Failure to drive any modified vehicle in a safe manner may result in harm or death.

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

Always wear your seatbelt.



**DIFFICULTY:**



**INSTALLATION TIME:**

4-6 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
- Paint Pen
- Safety glasses

## SPECIALTY TOOLS:

- High quality spring compressor
- Torque wrench up to 200lbs

## 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: \_\_\_\_\_

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**After:**

LF: \_\_\_\_\_

RF: \_\_\_\_\_

LR: \_\_\_\_\_

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# 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. 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 vehicles weight. The stands should be positioned in the factory specified locations. (Refer to 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 REMOVAL

9. Using a 21mm wrench, remove the tie-rod nut. Strike the side of the mount with a dead blow hammer to dislodge the tie-rod end. A 10mm wrench may be used if the ball joint is slipping.



10. Place a jack underneath the lower control arm to support the assembly. Loosen the top and bottom control arm bolts to allow the control arms to move more easily.
11. Mark the settings on the eccentric washers to maintain factory alignment during reassembly.
12. Remove the ABS sensor wire from the plastic clip.
13. Remove the bracket from the control arm using a 10mm wrench. The rotor and caliper can also be removed if easier access is necessary.



14. Use a 10mm wrench to remove and unplug the ABS sensor wire from the spindle.
15. Using an 18mm and a 9mm wrench, disconnect the sway bar from the end links.



## FRONT REMOVAL CONTINUED

16. Remove the lower shield with a 13mm wrench.



17. Remove the axle nut using a 36mm socket. This will help prevent the axle from pulling out of the differential and causing damage. Tap the locating hole on the front axle if it does not move freely.



18. Remove the upper ball joint using an 18mm wrench.

19. Carefully strike the spindle on the designated bosses separate the upper control arm from the spindle. It is important to be careful, as the upper control arm may be under tension. Allow the spindle to droop as you slide the axle shaft out of the hub. It can be helpful to support the spindle by running wire through the top ball joint boss and a supportive spot on the frame to keep the spindle from drooping too far or it swinging while working on the front suspension.



20. Remove the top strut nuts with an 18mm wrench.
21. Unfasten the hardware holding the bottom of the strut to the control arm using a 15mm socket and remove the strut from the vehicle.
22. Remove the upper control arm using either a 21mm or a 24mm socket (depending on model) on the bolt heads on the inside of the strut tower, and a 21mm wrench on the outside nuts.

## FRONT INSTALLATION

23. Install the Belltech control arms reusing the OEM hardware. Hold the arm up so the ball joint mounting ring is level and torque to 120ft-lbs.



Level

24. Stop here and perform the front strut installation referencing the included strut/coilover assembly instructions. After your struts are installed please refer back to these instructions and continue to the next step.
25. Re-install the spindles and reattach the upper ball joint nut using an 18mm wrench.
26. Replace the axle nut using a 36mm socket.
27. Install your Belltech skid plate in place of the lower shield. Our skid plate is designed to mount using the same holes and hardware as the plastic shield. Tighten the hardware to 40 ft lb using a 13mm socket.



28. Reconnect the anti-sway bar using an 18mm and 9mm wrench.
29. Reattach the ABS sensor wire to the spindle using a 10mm socket.
30. Reattach the ABS wire to the plastic clip.
31. Replace the bracket on the control arm using a 10mm wrench. If the rotor and caliper were removed for easier access previously, re-install them now.
32. Replace the control arm bolts and realign them based on the markings you made. Torque the lower control arm bolts once the vehicle is on the ground.
33. Remove the jack.
34. Replace the tie-rod nut.
35. Check that all hardware is tightened properly before continuing.
36. Install the wheels and lower the vehicle to the ground.
37. If the complete kit you purchased includes our Belltech front and rear sway bars. Please reference it now to install the front sway bar before finalizing the front installation. When front sway bar installation is complete, please read on to the next step, on page 8.

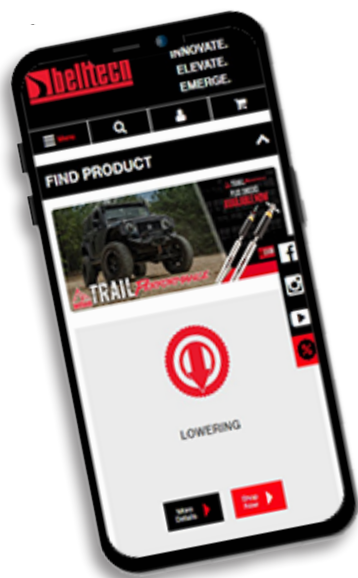


### Technician note:

Re-installation of your front end will be performed in the reverse order of removal. If it helps you to have photographs to reference, you may view the images from the Front Removal section.

# FINALIZING THE INSTALLATION

38. Re-install the wheels and tighten the lug nuts.
39. Lift the vehicle and remove the support stands.
40. Carefully lower the vehicle onto the flat ground.
41. Torque the lug nuts to manufacturer's specifications.
42. Check that all components and fasteners have been properly installed and torqued.
43. Re-read and perform all tasks in the "Before Driving Your Vehicle" section of page 1 of your instructions.



belltechsuspension



Belltech Suspension



@belltechsuspension

## 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](http://www.belltech.com)!

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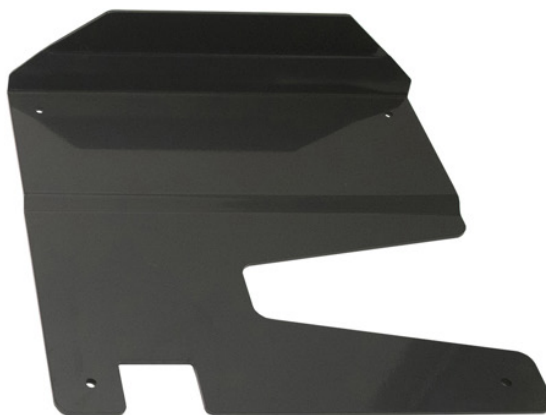


### **Technician note (Rear Installation):**

Depending on the kit you purchased, your rear suspension will include struts or coilovers. The rear suspension will come with its own set of instructions, which you can reference for installation.

If the kit you purchased includes a Belltech anti-sway bar kit, please reference the rear sway bar instructions to install your rear sway bar after installing your rear Belltech suspension.

# KIT CONTENTS



LK1000		
Part number	Description	Qty
150212-100L	Control Arm LH	1
150212-100R	Control Arm RH	1
150212-777	Hardware Kit	1
150212-108-992	Skid Plate	1

150212-777 Hardware Kit		
Part number	Description	Qty
110237	Bolt M10 x 1.50 - 70mm	4
110238	Nut Nylock	4
9999-001	Loctite 271 Threadlocker Red	1



# INSTALLATION GUIDE

**PART NUMBER: 27019**

**FRONT LIFTING STRUT**

**GM 1500 TRUCK 2WD / 4WD | 2019+**

**GM 1500 SUV 2WD / 4WD | 2021+**

**3.5" TO 4.5" ADJUSTABLE RIDE HEIGHT**

**300 W. PONTIAC WAY. CLOVIS, CA 93612**

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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.

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Perform headlight check and adjustment.

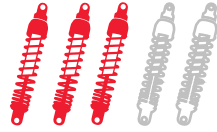
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Always wear your seatbelt.



**DIFFICULTY:**



**INSTALLATION TIME:**

2-4 Hours +  
Alignment

## RECOMMENDED TOOLS:

- Properly rated floor jack
- Support stands
- Wheel chocks
- 1/2" or 3/8" drive wrench
- Metric socket wrench set
- Metric wrench set
- Tape measure
- Marking Pen

## SPECIALTY TOOLS:

- High quality spring compressor
- Torque wrench up to 200 ft lbs

## FITMENT NOTE:

**This Belltech Strut does NOT fit Models with ARC or Magnetic Ride Shocks.**

**This Belltech Strut will NOT add the stated additional lift to Chevy Trail Boss / GMC Elevation Models with the 2" Factory Lift.**

**DO NOT drive your 4WD vehicle over 50 mph / 80 km/h while in 4H Auto/ 4H.**

## 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:** \_\_\_\_\_

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**After:**

**LF:** \_\_\_\_\_

**RF:** \_\_\_\_\_

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## 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 support stands.
8. Remove the front wheels.

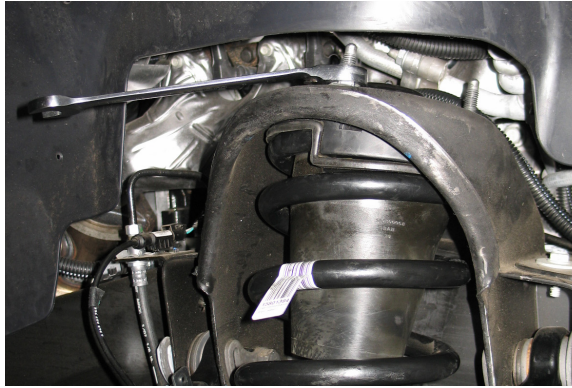


### Technician reminder:

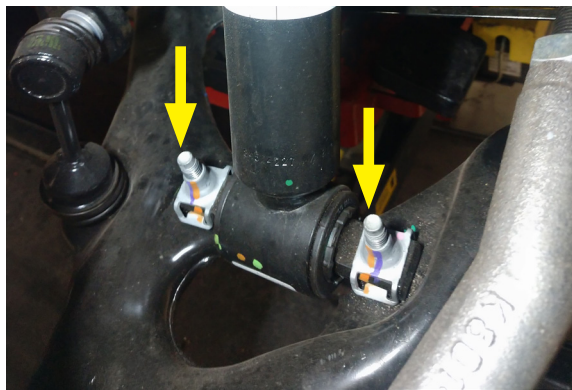
Never work under a vehicle supported only by a jack. It is necessary to place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

## OEM STRUT REMOVAL

9. Locate the three mounting bolts at the top of the strut. Remove the nuts using an 18mm wrench.



10. Remove the bottom bolts on the OE strut and lower control arm using a 15mm wrench.



11. Remove the mounting nut holding the anti-sway bar end link to the lower control arm. The nut is located on the underside of the lower control arm. This will allow the lower control arm to swing down and ease the removal of the strut.



12. Push or pry down on the lower control arm to gain clearance and remove the strut.

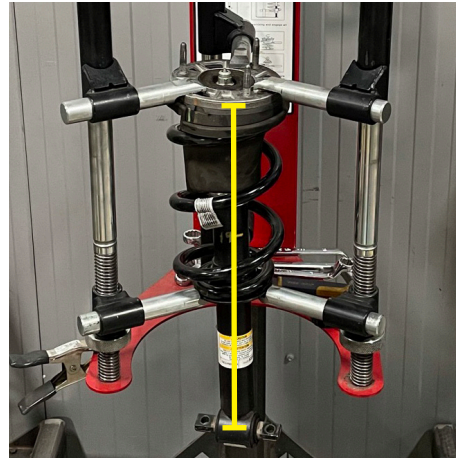
## OEM STRUT DISASSEMBLY

13. Using a proper spring compressor, mount the strut assembly and ensure it is secured before proceeding. To ease the installation of the new Belltech strut, 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.



14. Compress the spring until tension is relieved from the strut. Remove top nut and mount. You will use the mount with your new Belltech strut.
15. Remove the spring and strut from the fixture.
16. Separate the top mount from the spring isolator using a pry tool or flat head screw driver.



# BELLTECH STRUT ASSEMBLY

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



## Technician note:

When lifting your vehicle more than 1", OE camber may not be achievable. After installation a final shop alignment procedure is recommended to minimize tire wear.

- Using the tables below as reference, add the needed lift rings to reach the desired height.

2019+ GM 1500 2WD		
Lift (Inches)	8mm Ring	15mm Packer
4.5"	3	1
4"	2	0
3.5"	1	0

2019+ GM 1500 4WD		
Lift (Inches)	8mm Ring	15mm Packer
4.5"	2	1
4"	1	0
3.5"	0	0



## Technician note:

Belltech strut 27019 is designed to be used with Belltech lift kit 150212. If you are utilizing this strut with an alternate or competitor brand lift kit, use the table above as a reference only.

- Install the spring perch onto the strut. Do not install the spring perch upside down.

## BELLTECH STRUT ASSEMBLY CONTINUED



### Ventilation Disk Installation Warning:

When assembling the Belltech shock/strut, make note of the orientation of the supplied Belltech ventilation disk. It has two sides: a flat side and an air-channeled side. The air-channeled side **MUST** be facing downward toward the shock/strut and the flat side toward the bump stop (See figures 1A and 1B).

Failure to do this, will result in shock/strut damage.

20. Slide the vent disk on the strut rod. Ensure the air-channeled side facing down as shown in the images below.

**Air-channels face  
down toward strut**

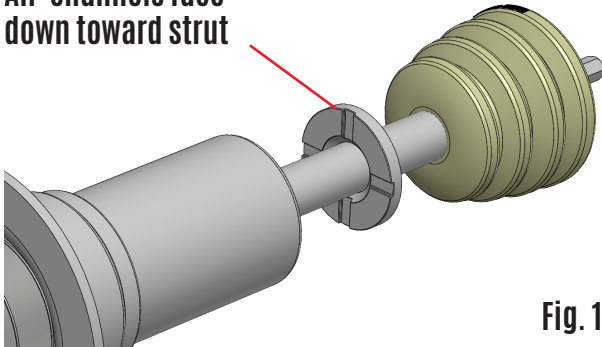


Fig. 1A

**Flat surface faces up  
toward bump stop**

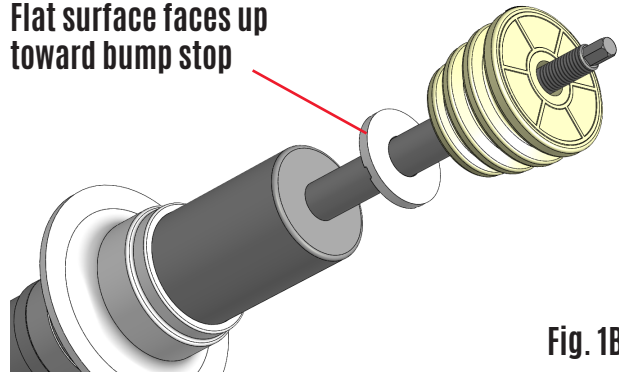


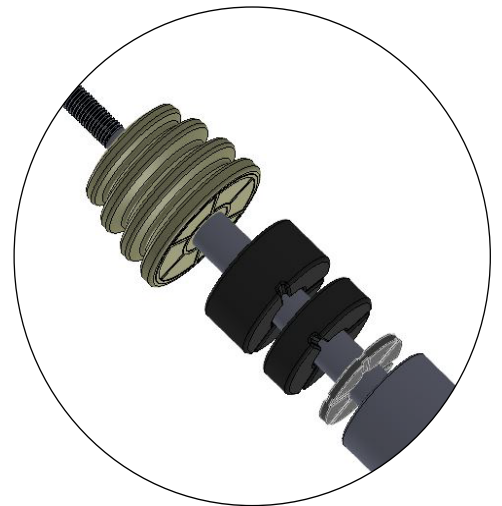
Fig. 1B

21. Slide the required packers onto the strut rod.



### 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 chart on the page 4, please place the packer on top of the vent disc, channel side down, as shown by the image to the right of this text box.



22. With the OEM spring still compressed, slide the new Belltech strut into the OEM spring and install Belltech bump stop on the strut rod.
23. Complete the assembly using the OEM spring isolator, top mount, and supplied Nyloc nut.
24. Align the top mount with the spring using the original marking made in step 13. Torque the strut rod nut to 37 ft lbs.

## STRUT INSTALLATION

25. Reinstall the new strut assembly in reverse order of disassembly. If new hardware was not supplied, use the OEM nuts and bolts to fasten the strut to the chassis.
26. Install the top mount into the chassis and secure it using the three OEM nuts. Torque the nuts to 43 ft lbs.



### Technician reminder:

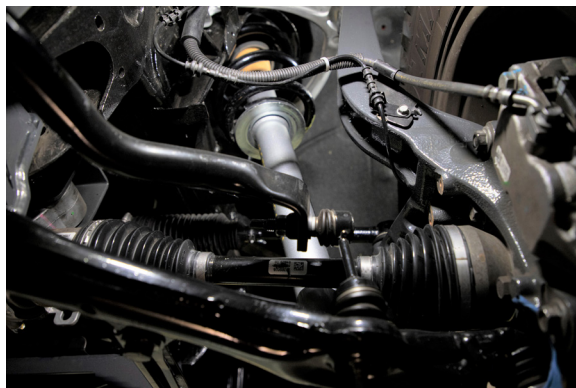
Torque to specs with the weight of the vehicle on the suspension or with the suspension loaded through the use of a jack.



27. Attach the lower strut mount to the lower control arm with the two OEM bolts and torque to 37 ft lbs.



28. Attach the end link to the lower control arm, torque to 74 ft lbs. when the suspension is loaded or the vehicle is back on the ground.

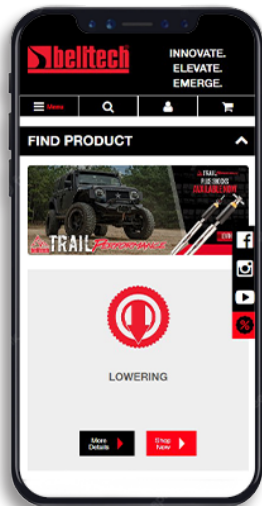


# FINALIZING THE INSTALLATION

29. Mount the wheels and tighten the lug nuts.
30. Lift the vehicle and remove the support stands.
31. Carefully lower the vehicle onto the flat ground.
32. Torque the lug nuts to 140 ft lbs.
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.

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belltechsuspension



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# KIT CONTENTS



27019		
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27019-200	BELLTECH LIFTING STRUT	1
25003-008	8MM LIFT RING	4
4935-001	15MM PACKER	1
NUT	M12 x 1.25MM FLANGED NYLOC NUT	1
4926-001	BUMP STOP	1
65210031	VENT DISC	1
25003-002	SPRING PERCH	1



# INSTALLATION GUIDE

**PART NUMBER: 27022**

**REAR LIFTING STRUT**

**GM TAHOE / YUKON / SUBURBAN / YUKON XL 2WD / 4WD | 2021+**

**2" TO 3.5" ADJUSTABLE RIDE HEIGHT**

**300 W. PONTIAC WAY. CLOVIS, CA 93612**  
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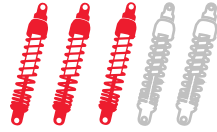
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**DIFFICULTY:**



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## 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.

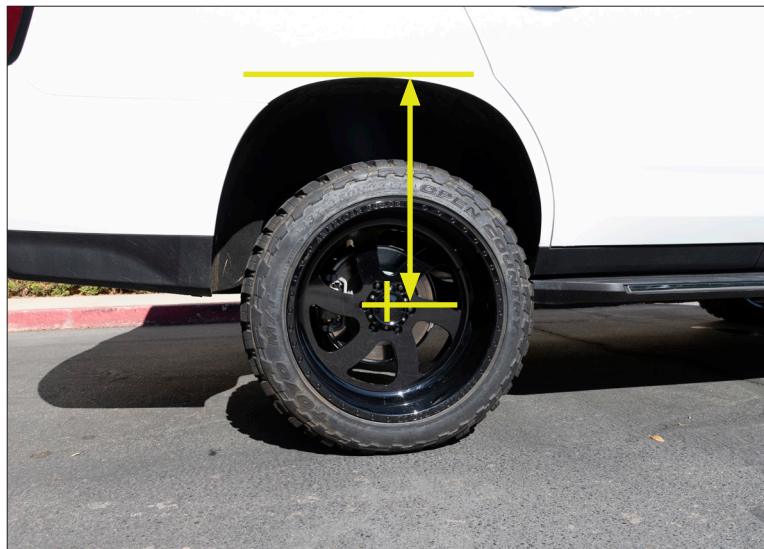
**Before:**

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. Break loose, but do not spin the wheel lug nuts to ease in removal when the wheels are in the air.
5. 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.
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 rear wheels.

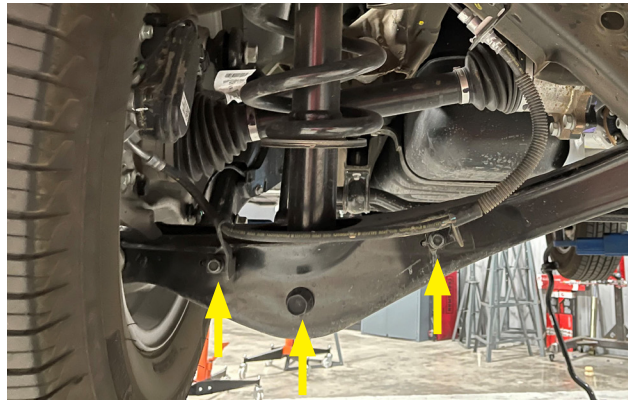


### Technician reminder:

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.

## OEM STRUT REMOVAL

9. Remove the lower strut 21mm bolt and the two bolts holding the brake line brackets to the lower control arm.



10. Remove the 24mm lower control arm bolt attaching the control arm to the spindle.
11. Remove the three flanged 18mm nuts that secure the top of the strut to the chassis.



12. Push the lower control arm down until the top of the strut is clear from the chassis then pull the strut out from control arm.



## OEM STRUT DISASSEMBLY

13. Mount the strut assembly in a spring compressor fixture. To ease the installation of the new strut, 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.



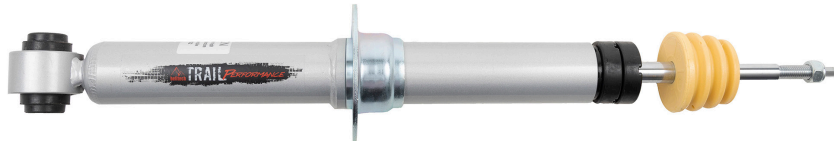
14. Compress the spring until tension is relieved from the strut.
15. Hold the strut shaft from spinning and remove the top center nut from the strut. Support the shock as the nut is removed as it will fall if not supported.
16. Remove top mount, upper spring isolator, and plastic lower spring isolator to use with your new Belltech strut later.
17. Separate the top mount from the spring isolator using a pry tool or flat head screw driver.



18. Remove the OEM strut from the compressed spring fixture.

## BELLTECH STRUT ASSEMBLY

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



### Technician note:

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

20. Using the tables below as reference, add the needed lift rings to reach the desired height.

2021+ GM TAHOE / YUKON / SUBURBAN / YUKON XL		
Lift (Inches)	10mm Ring	15mm Packer
3.5"	3	2
3"	2	1
2"	0	0



### Technician note:

If a half inch height increment is desired, remove one 10mm ring from the next increment in the table above.

21. Transfer plastic lower spring isolator to the new Belltech perch.



22. Install the spring perch onto the strut. Do not install the spring perch upside down.

## BELLTECH STRUT ASSEMBLY CONTINUED



### Ventilation Disk Installation Warning:

When assembling the Belltech shock/strut, make note of the orientation of the supplied Belltech ventilation disk. It has two sides: a flat side and an air-channeled side. The air-channeled side **MUST** be facing downward toward the shock/strut and the flat side toward the bump stop (See figures 1A and 1B).

Failure to do this, will result in shock/strut damage.

23. Slide the vent disk on the strut rod. Ensure the air-channeled side facing down as shown in the images below.

**Air-channels face  
down toward strut**

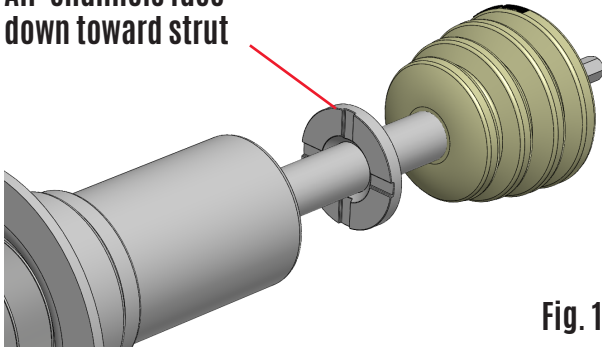


Fig. 1A

**Flat surface faces up  
toward bump stop**

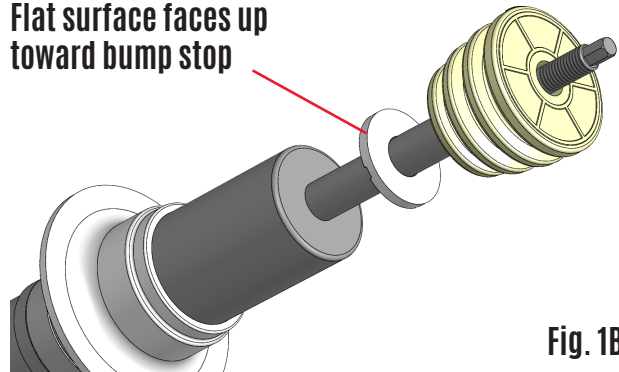


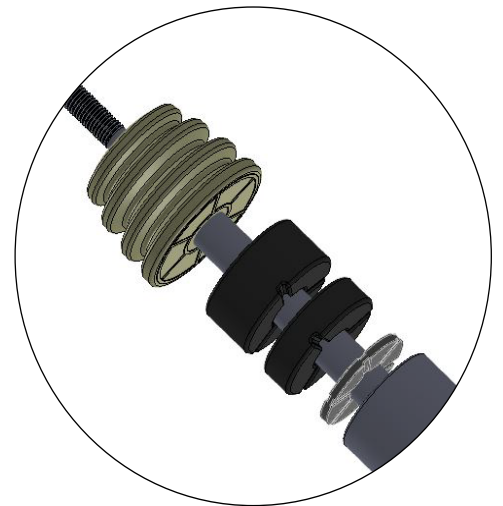
Fig. 1B

24. Slide the required packers onto the strut rod.



### 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 chart on the previous page, please place the packer on top of the vent disc, channel side down, as shown by the image to the right of this text box.



25. With the OEM spring still compressed, slide the new Belltech strut into the OEM spring and install Belltech bump stop on the strut rod.
26. Complete the assembly using the OEM spring isolator, top mount, and supplied Nyloc nut.
27. Align the top mount with the spring using the original marking made in step 13. Torque the strut rod nut to 52 ft lbs.

## BELLTECH STRUT INSTALLATION

28. Place the strut on the lower control arm mount, push down on lower arm and install the top mount into the chassis. Secure it using the three OEM nuts. Torque to 43 ft lbs.
29. Attach the two brake line brackets using the original bolts, torque to 16 ft lbs.
30. Attach the lower control arm to the spindle using the original bolt. Torque to 133 ft lbs.
31. Place the original lower strut bolt in the control arm and secure it with the original nut. Torque to 85 ft lbs.

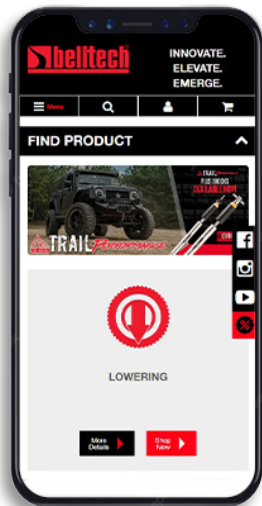


# FINALIZING THE INSTALLATION

32. Mount the wheels and tighten the lug nuts.
33. Lift the vehicle and remove the support stands.
34. Carefully lower the vehicle onto the flat ground.
35. Torque the lug nuts to 140 ft lbs.
36. Check that all components and fasteners have been properly installed and torqued.
37. 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](http://www.belltech.com)



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### Belltech Customer Support:

Phone: 1-800-445-3767

Email: [info@belltech.com](mailto:info@belltech.com)

# KIT CONTENTS



26022		
Part number	Description	Qty
27022-200	BELLTECH LIFTING STRUT	1
25003-010	10MM LIFT RING	3
4935-001	15MM PACKER	2
NUT	M12 x 1.25MM FLANGED NYLOC NUT	1
4926-001	BUMP STOP	1
65210031	VENT DISC	1
25003-001	SPRING PERCH	1



# INSTALLATION GUIDE

**PART NUMBER: 5471**  
**FRONT ANTI-SWAY BAR**  
**GM 1500 SUV 2WD / 4WD | 2021+**

300 W. PONTIAC WAY. CLOVIS, CA 93612  
PHONE: 800-445-3767 | EMAIL: [INFO@BELLTECH.COM](mailto: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 of the components listed on the parts list is 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](mailto: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 absolutely 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, at 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 re-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.

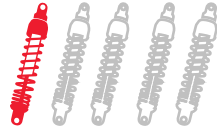
Failure to drive any modified vehicle in a safe manner may result in harm or death.

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

Always wear your seatbelt.



**DIFFICULTY:**



**INSTALLATION TIME:** 30 min-1 Hour

## RECOMMENDED TOOLS:

- Properly rated floor jack
- Support stands
- Ratcheting wrench and socket set
- Hex key set

## 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:

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## OEM ANTI-SWAY BAR REMOVAL

9. Remove the 18mm nut to detach the anti-sway bar from the upper end link. Use the hex on the stud if the ball joint spins.



10. Remove the pivot bushing bracket bolts holding the sway bar assembly in place. Detach the sway bar from the vehicle.

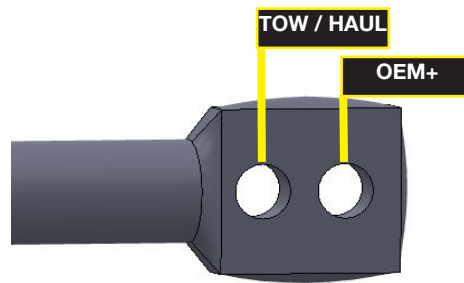


# BELLTECH ANTI-SWAY BAR INSTALLATION

11. Using the supplied grease pack, grease inside each of the supplied pivot bushings.
12. Slide the supplied pivot bushings onto the sway bar. Using the OEM sway bar as a guide, align the bushings on the Belltech sway bar with the bushings on the OEM sway bar.



13. Please choose a sway bar setting for your vehicle: OEM+ or TOW/HAUL (OEM+ is softer and TOW/HAUL is firmer)



14. Attach the OEM end links onto the sway bar using the original hardware. Once the sway bar is completely mounted, torque the end link nut to 118 ft lbs.
15. Mount the Belltech anti-sway bar onto the chassis using the supplied bracket plates first; the supplied bushing brackets are then secured with the original bolts. Torque the pivot bushing bracket bolts to 63 ft lbs. + 45-60°

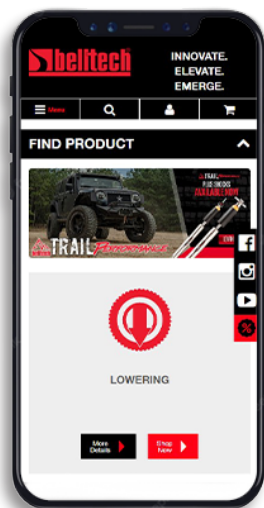


# FINALIZING THE INSTALLATION

16. Mount the wheels and tighten the lug nuts.
17. Lift the vehicle and remove the support stands.
18. Carefully lower the vehicle onto the flat ground.
19. Torque the lug nuts to 140 ft lbs.
20. Check that all components and fasteners have been properly installed and torqued.
21. Re-read and perform all tasks in the “Before Driving Your Vehicle” section of page 1 of your instructions.

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# KIT CONTENTS



5471		
Part number	Description	Qty
5471-300	FRONT ANTI-SWAY BAR	1
5471-777	HARDWARE KIT	1

5471-777		
Part number	Description	Qty
114037-95	SWAY BAR BRACKET	2
115003-95	BUSHING SUPPORT PLATE	4
113110	PIVOT BUSHING 1-3/8"	2
55000-10	GREASE PACK	1



# INSTALLATION GUIDE

**PART NUMBER: 5571**

**REAR ANTI-SWAY BAR**

**GM TAHOE / YUKON 2WD / 4WD | 2021-2024**

**GM SUBURBAN / YUKON XL 2WD / 4WD | 2021-2024**

**300 W. PONTIAC WAY CLOVIS, CA 93612**

**PHONE: 800-445-3767 | EMAIL: [INFO@BELLTECH.COM](mailto:INFO@BELLTECH.COM)**

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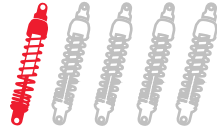
Failure to drive any modified vehicle in a safe manner may result in harm or death.

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

Always wear your seatbelt.



**DIFFICULTY:**



**INSTALLATION TIME:** 1 Hour

## RECOMMENDED TOOLS:

- Properly rated floor jack
- Support stands
- Wheel chocks
- Metric socket wrench set
- Metric wrench set
- Safety glasses
- Torque wrench rated up to 100 ft lbs.

## 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 first 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 rear tires are approximately 6-8 inches off the ground.
5. 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.
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.

## ORIGINAL SWAY BAR REMOVAL

7. Use an 8mm wrench to hold the end link ball joint shaft from rotating while removing the 18mm lower end link nut. Detach the sway bar from the lower end links.



8. Remove the 10mm bolts from the pivot bushing brackets and detach the sway bar from the vehicle.



### Technician note:

The new Belltech sway bar will use the original end links and the pivot bushing hardware. Thoroughly clean the mounting areas before installation.

## BELLTECH SWAY BAR INSTALLATION

9. Thoroughly lubricate the inside of the supplied pivot bushings using the grease packet included with the kit.
10. Place the bushings on both sides of the Belltech sway bar, close to the same position as the original sway bar. Once located, rotate the bushings slightly to evenly spread the lubricant. Place the bushing brackets over the bushings.

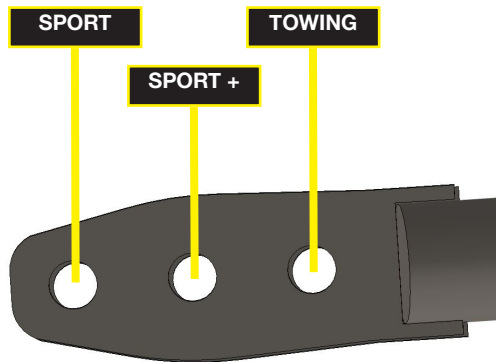


11. Place the Belltech sway bar and the bushing support plate on the chassis mount. The support plate is placed between the chassis and bushing bracket. Align the holes in the bracket and support plate with the original mounting holes. Use the supplied 10mm-1.5 x 35mm bolts and 3/8" washers to fasten the sway bar. Do not torque the bolts yet.



## BELLTECH ANTI-SWAY BAR INSTALLATION CONTINUED

12. Please choose a sway bar setting for your vehicle: SPORT, SPORT PLUS, OR TOWING (SPORT is softer and TOWING is firm).



13. Attach the sway bar to the end links using the original nuts; torque to 74 ft lbs.



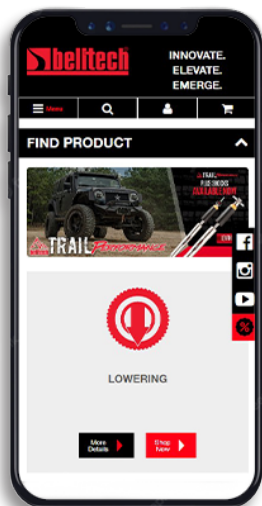
14. Adjust the position of the sway bar so it is centered from left to right and front to back. Torque the pivot bushing bracket bolts to 37 ft lbs.

# FINALIZING THE INSTALLATION

15. Lift the vehicle and remove the support stands.
16. Carefully lower the vehicle onto flat ground.
17. Check that all components and fasteners have been properly installed and torqued.
18. 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](http://www.belltech.com)



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# KIT CONTENTS



SWAY BAR KIT		
Part number	Description	Qty
5571-300	1-1/4" REAR ANTI-SWAY BAR	1
5571-777	HARDWARE KIT	1

HARDWARE KIT		
Part number	Description	Qty
110625	3/8" WASHER	4
112026	10MM - 1.5 X 35MM BOLT	4
113095	1-1/4" PIVOT BUSHING	2
115002-95	PIVOT BUSHING BRACKET	2
115013-954	BUSHING SUPPORT PLATE	2
55000-10	WHITE LITHIUM GREASE	1



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