



# INSTALLATION GUIDE

**PART NUMBER: 2652**  
**DROP SPINDLE SET**  
**RAM 1500 2WD / 4WD | 2019+**

-2" FRONT LOWERED RIDE HEIGHT

**\*\*EXCLUDES MODELS EQUIPPED WITH 22" OEM WHEELS AND CLASSIC MODELS\*\***

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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.

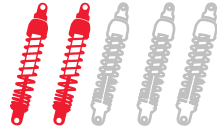
Failure to drive any modified vehicle in a safe manner may result in harm or death.

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

Always wear your seatbelt.



**DIFFICULTY:**



**INSTALLATION TIME:**

1-2 Hours + Alignment

## RECOMMENDED TOOLS:

- Properly rated floor jack
- Support stands
- Wheel chocks
- Metric socket wrench set
- Metric wrench set
- Tape measure
- Hammer or rubber mallet
- Torque wrench rated up to 150 ft lbs.



## FITMENT GUIDE

**Only fits models with 20" OEM wheels.** Please be sure to check for interference in the wheel well area and with other steering/suspension components.

## FITMENT NOTE:

**\*RAM trucks with OEM 22" wheels require a larger bore steering knuckle due to a larger wheel bearing assembly, as a result this lowering kit will not fit these OEM 22" wheels. Please check for build sales code WPM or WPZ on your RAM to see if this might apply to you\***

**Not all possible wheel sizes and backspacing can be tested. Cautiously check wheel assembly to spindle, suspension component, and fender/body clearance before tightening lug nuts and rotating the wheel assembly. Belltech is not responsible for any wheel, tire, suspension component, and/or body damage caused by failure to check for interference**

## 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.

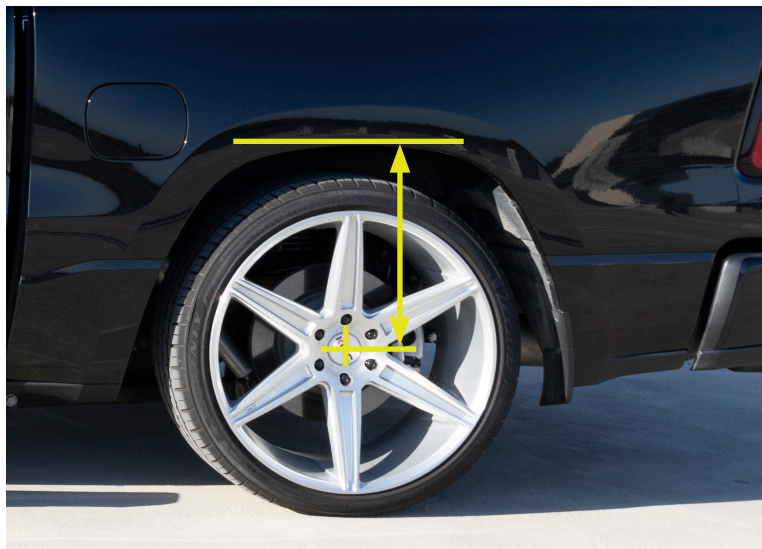
**Before:**

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. 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 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.



## SPINDLE REMOVAL

9. Loosen the jam nuts on the tie rods. Remove the tie rod nuts from the OE spindles.



10. Strike the side of the mount with a hammer or use a puller to dislodge the tie rod end. Remove the outer tie rod from the inner tie rod.
11. Remove all the mounting points for the brake line and ABS sensor wire from the spindle.
12. Undo the brake caliper mounting bolts located at the back of the spindle.



13. Remove the rotor using a T-30 Torx.



14. Remove the ABS sensor from the spindle using a 5mm hex key.



## SPINDLE REMOVAL CONTINUED

15. Loosen, but do not fully remove the upper ball joint nut. Strike the spindle on the designated bosses to help separate the upper control arm from the spindle.



16. Loosen, but do not remove the lower ball joint nut and strike it on the designated areas to separate it from the lower control arm.



17. Carefully remove the spindle from your vehicle.

## BELLTECH SPINDLE INSTALLATION

18. Transfer the hubs and brake backing plates from the OE spindles onto the new Belltech spindles. Be sure the backing plate and ABS port are installed in the correct orientation.



19. Slide the Belltech spindle assembly back onto the lower ball joint. Attach and tighten the lower ball joint nut to OE specifications.



## BELLTECH SPINDLE INSTALLATION CONTINUED

20. Attach the upper control arm ball joint to the spindle. To support the weight of the spindle you may use a jack. Tighten the upper ball joint to OE nut specifications.



21. Reinstall the ABS line. Route the wire behind the brake backing plate on the spindle.



22. Reinstall the rotor.
23. Replace the brake caliper mounting bolts located at the back of the spindle.
24. Reinstall all the mounting points for the brake line and ABS sensor wire on the spindle.
25. Reinstall the outer tie rod ends to the spindles.



### Technician note:

If extra wheel clearance is needed, install the provided half nuts and cut remaining threads as shown.



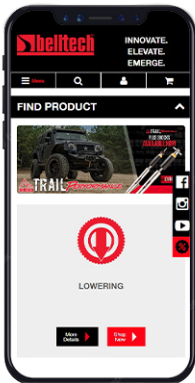


# FINALIZING THE INSTALLATION

26. Re-install the wheels and tighten the lug nuts.
27. Lift the vehicle and remove the support stands.
28. Carefully lower the vehicle onto the flat ground.
29. Torque the lug nuts to 130 ft lbs.
30. Check that all components and fasteners have been properly installed and torqued.
31. Re-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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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](mailto:info@belltech.com)



# KIT CONTENTS



2652		
Part number	Description	Qty
2652-425-982	RH Machined Spindle	1
2652-325-982	LH Machined Spindle	1
2652-777	Hardware Kit	1

2652-777 (Hardware Kit)		
Part number	Description	Qty
115012	Half Nut	2