



# INSTALLATION GUIDE

**PART NUMBER: 2000  
LOWERING SPINDLE  
TOYOTA PICKUP 2WD | 1984-1995**

-2" FRONT LOWERED RIDE HEIGHT

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.

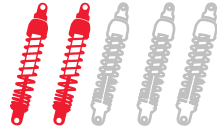
Failure to drive any modified vehicle in a safe manner may result in harm or death.

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

Always wear your seatbelt.



**DIFFICULTY:**



**INSTALLATION TIME:**

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.

## SPECIALTY TOOLS:

- Tie rod end removal tool
- Ball joint separator tool

## 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 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.

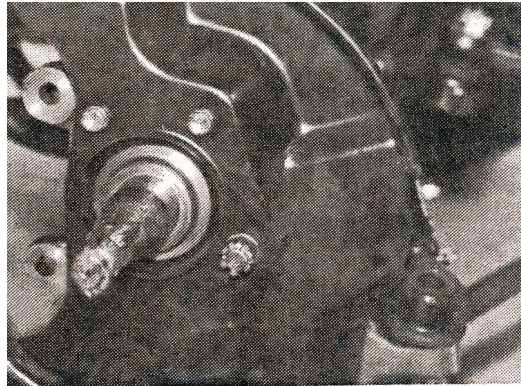


## Technician reminder:

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 SPINDLE REMOVAL

9. Remove the brake caliper by removing the two 17mm bolts accessible from the backside of the brake caliper. When the brake caliper is removed, do not allow it to hang unsupported from the brake line. Support the caliper with a piece of wire or cord to prevent damage to the brake line.
10. Remove the hub and rotor assembly from the spindle by removing the grease cap, cotter pin, the nut cover, and the 30mm nut from the spindle pin. Carefully slide the rotor assembly off the spindle pin, do not let the outer bearing come out of the hub.

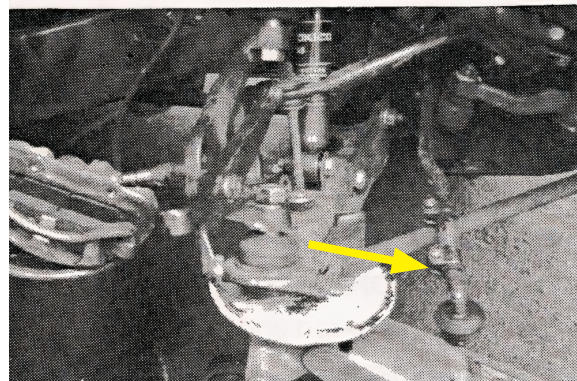


11. Remove the cotter pin from the 19mm nut on the tie rod end. Loosen the nut, but don't remove it completely. Use a tie rod puller or use a hammer to strike the side of the steering arm until the tie rod end is dislodged; swing the rod out of the way.

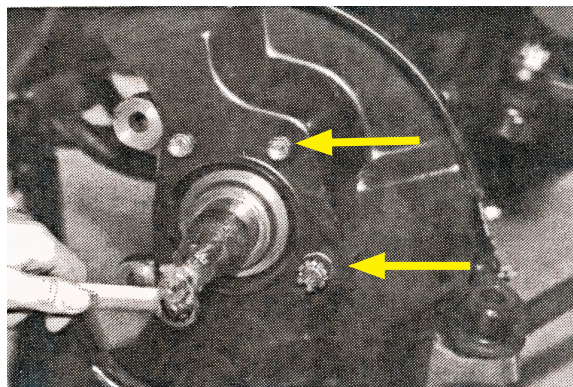


### Technician reminder:

Do not strike the nut or the tie rod end itself as this may damage the steering components.

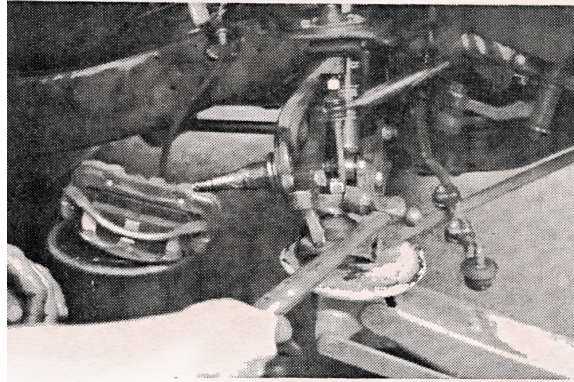


12. Remove the steering stop from the steering arm to use on your new Belltech spindles later.
13. Remove the dust cover from the spindle by removing the two upper 10mm bolts and the lower cotter pins and two castle nuts from the face of the cover. When the two lower 17mm bolts are removed, the steering arm will free itself from the spindle. You will not be reusing this arm; the spindle has the arm integrated. You will however, reuse one large nut and bolt later

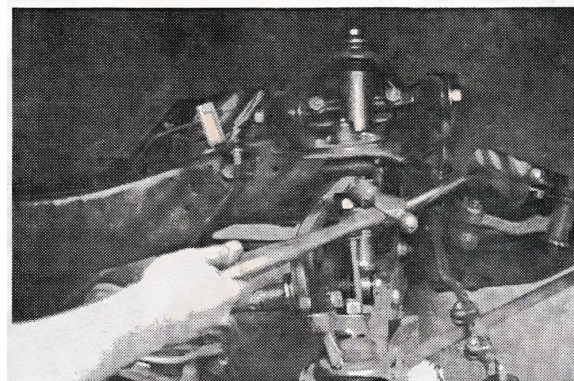


## OEM SPINDLE REMOVAL CONTINUED

14. Place a floor jack under the lower control arm and lift until a slight compression of the suspension is achieved. Turn the spindle to access the lower ball joint without interference.
15. Remove the cotter pin and loosen but do not remove the lower ball joint 22mm nut. Strike the lower portion of the spindle beside the ball joint, this will dislodge it from the taper.



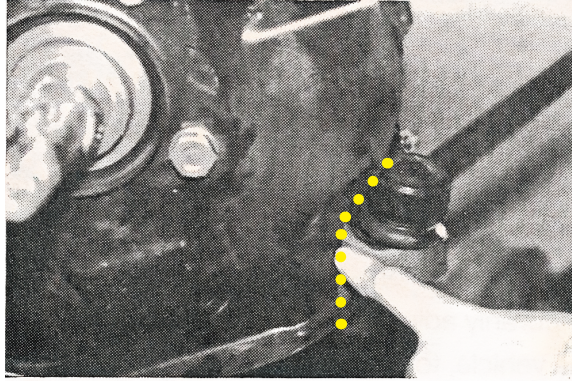
16. Loosen the upper ball joint 22mm nut with the same procedure as the lower, leaving the nut on the threads. Using the hammer method as above, loosen the upper ball joint from its position.



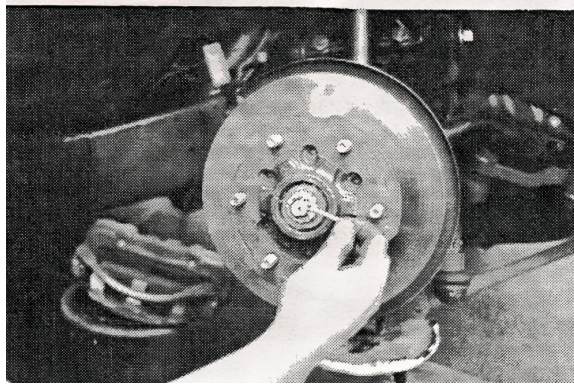
17. Once they are both loose, remove the upper nut and lift the control arm to free the spindle. Now remove the lower nut and slide the spindle off the lower ball joint.

## BELLTECH SPINDLE INSTALLATION

18. Place the new Belltech drop spindle on the lower ball joint and secure it with the ball joint nut. Lift the upper control arm and place the ball joint into position on the spindle. Tighten both ball joint nuts and secure them with the supplied cotter pins.
19. Install the tie rod end into the steering arm on the new spindle, replace the nut and tighten. Install a new cotter pin.
20. The dust shield must be notched to clear the new spindle. Once this is done, install the dust shield on the spindle using the two original 10mm bolts and one 17mm bolt.

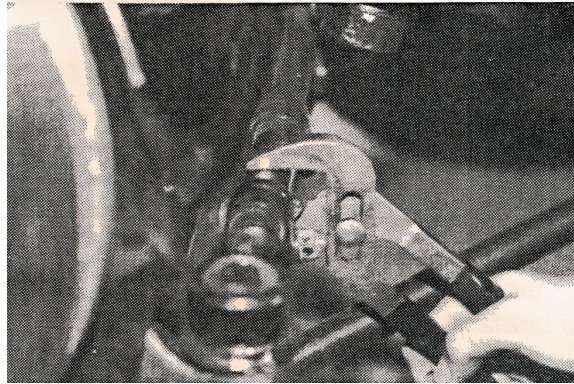


21. Mount the hub and rotor assembly onto the new spindle by reversing the procedure of removal in Step 10. Add grease to the new spindle pin. Torque the spindle nut to 25 ft lbs. and rotate the hub to ensure the bearings are seated. Back the spindle nut off and tighten by hand so that there little drag.



## BELLTECH SPINDLE INSTALLATION CONTINUED

22. Attach the caliper onto the new spindle, making sure the brake pads are in the correct position. Turn the rotor assembly to make sure it is free from any interference. Torque the two caliper bolts to 90 ft lbs.
23. Loosen the two 12mm nuts on the tie rod adjustment sleeves, and turn approximately 4 to 4.5 turns until the wheels appear straight then tighten the tie rod sleeves. This will temporarily adjust the toe-in of the vehicle, to enable you to drive the vehicle to an alignment shop.

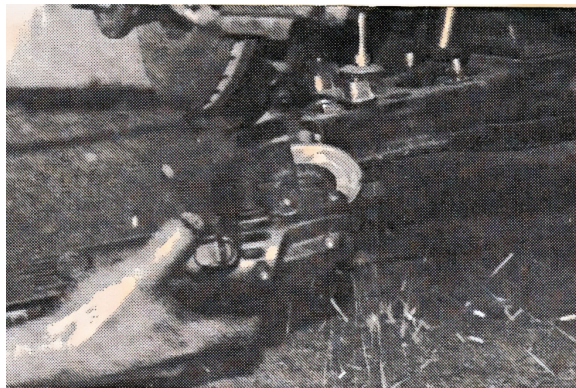


24. Mount your wheel and tire combination onto your truck. Place the original steering stop on the new spindle. Turn the wheel by hand to make sure there are no clearance problems. Turn the wheel completely right to left and set the steering stop to ensure the wheel and tire do not contact any components. Depending on your wheel choice, some slight grinding of the lower control arm may be necessary.



### Technician reminder:

Always wear eye protection when using cutting or grinding power tools.



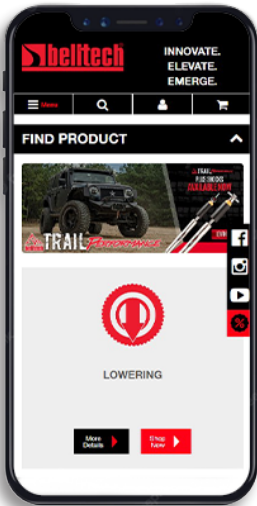


# FINALIZING THE INSTALLATION

25. Lift the vehicle and remove the support stands.
26. Carefully lower the vehicle onto the flat ground.
27. Torque the lug nuts to 76 ft lbs.
28. Check that all components and fasteners have been properly installed and torqued.
29. 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 Suspension](https://www.youtube.com/BelltechSuspension)



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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



2000		
Part number	Description	Qty
2000-350	LH MACHINED SPINDLE	1
2353-450	RH MACHINED SPINDLE	1
2100-110	COTTER PIN PACK	