



INSTALLATION INSTRUCTIONS

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2600 - 2605

DROPPED FRONT SPINDLE INSTALLATION INSTRUCTIONS DODGE DAKOTA 2 – WHEEL DRIVE PICK-UPS

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 values specified.
- 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, support stands, and wheel chocks
- Combination wrench set
- Torque wrench: *0-75 lb ft. range*
- Ratcheting socket wrench and sockets sets
- Safety Glasses

KIT INSTALLATION

1. The Belltech 2" Dropped Ball Joints are designed to work with factory wheels and most aftermarket wheels. Because it is not possible to test every wheel for this application, you must determine carefully that the wheels you choose do not have wheel rim contact with any of the suspension components.
2. Make sure the vehicle is on a flat surface, preferably asphalt or concrete. Block the rear wheels and set the parking brake.
3. Raise the front of the vehicle with a floor jack and place jack stands in a stable position on the frame rails, not under the lower control arms. (Photo 1).
4. Remove the wheel and tire assembly (Photo 2)
5. Remove the brake caliper by removing the two large bolts accessible from the backside of the brake caliper (Photo 3 & 4). **CAUTION:** 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 to prevent damage to the line (Photo 5).

6. Remove the hub and rotor assembly from the spindle by removing the grease cap (Photo 6), cotter pin, the tin nut cover lock, and the nut from the spindle pin. (Photo 7). Carefully slide the assembly off the pin, not letting the outer bearing come out of the hub. Place in a safe place (Photo 8).
7. Remove the dust cover from the spindle by removing the three bolts from the face of the cover (Photo 9 & 10).
8. Remove the cotter pin from the nut on the outer tie rod end. Loosen the nut, but don't remove it completely. With a large hammer strike the side of the steering arm until the tie rod frees itself. **CAUTION:** Do not strike the nut or the tie rod itself. This will damage the part. Swing the rod out of the way (Photo 12).
9. 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.
10. Remove the cotter pin and loosen the lower ball-joint nut on the threads. **Do not** remove it completely (Photo 13). Strike the lower portion of the spindle beside the ball joint, this will loosen it from the taper (Photo 14).
11. Loosen the upper ball joint nut with the same procedure as the lower, leaving the nut on the threads. Using the hammer method as above, loosen the ball joint from its position. Lift the jack to make sure all the tension is off the ball joints.
12. The upper ball joint and control arm should lift itself out of its stock location (Photo 15).
13. Place the new Belltech spindle on the lower ball joint and replace the nut (Photo 16). Pull the upper control arm down so the upper ball joint is in its correct position in the spindle and replace the nut. Tighten both nuts and install the cotter pins (Photo 17 & 18).
14. Install the tie rod end back into position on the steering arm. Tighten the nut and install the cotter pin. (Photo 19).
15. Replace the dust shield onto the new Belltech spindle using the three bolts and tighten (Photo 20).
16. Re-install the hub and rotor assembly onto the new spindle. Make sure the bearing, washer, and nut are in the correct position.
17. Tighten the spindle nut (Photo 23), and install the tin locking nut cover and cotter pin. Install the dust cover cap (Photo 24)
18. Install the caliper onto the new spindle. Make sure the brake pads are in the correct position. Tighten the mounting hardware (Photo 25). Make sure there is no interference between the brake lines and other components.
19. Loosen the two nuts on the tie rod adjusting sleeves, and turn them approximately 4 to 4 ½ turns until the wheels appear straight. This will temporarily adjust the toe in of the vehicle, to enable you to drive the vehicle to an alignment shop. Tighten the tie rod clamp bolts (Photo 26)
20. Install the wheel and tires onto the truck. Turn the wheel by hand to make sure there are no clearance problems. Turn the wheel completely right-to-left making sure the wheel and tire does not contact any of the other components. Depending on you wheel choice some slight grinding of the lower control arm may be necessary. **CAUTION:** Always wear eye protection when using power tools (Photo 27).

21. Raise the vehicle with a floor jack, remove the stands and lower to the ground. Check to see that there are no clearance problems. Take immediately to a qualified shop

PART LIST FOR 2600 FRONT SPINDLE DROP KIT

PART#	DESCRIPTION	QTY
2600-350	Finished Spindle L.H.	1
2600-450	Finished Spindle R.H.	1
110908	Cotter Pin 7/64" x 1 1/4" Zinc	2
110910	Cotter Pin 1/8" x 1 1/2" Zinc	6

PART LIST FOR 2605 FRONT SPINDLE DROP KIT

PART#	DESCRIPTION	QTY
2605-350	Finished Spindle L.H.	1
2605-450	Finished Spindle R.H.	1
110908	Cotter Pin 7/64" x 1 1/4" Zinc	2
110910	Cotter Pin 1/8" x 1 1/2" Zinc	6
110255	Nylon Insert Lock Nut 3/8" -16	2
112138	HHCS 3/8" -16 x 6 1/2"	2
112422	Spacer Tube .5" x .049" x 2.5"	2
112502	Washer Cup Large	8
113000	Grommet End Link	8