



INSTALLATION INSTRUCTIONS

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2700 2700 DROPPED FRONT SPINDLE (Steering Knuckle) CHEVROLET ASTRO VAN / GMC SAFARI VAN (2 WHEEL DRIVE ONLY)

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 SAE
- Torque wrench: *0-75 lb ft. range*
- Ratcheting socket wrench and socket set SAE
- Safety Glasses
- Ball-joint separator & mallet

KIT INSTALLATION

1. Open the hardware kit and remove all of the contents. Refer to the part list (Page 3) to verify that all parts are present.
2. 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).
3. Using a properly rated floor jack, lift the rear wheels of the vehicle off the ground. Place support stands, rated for the vehicle's weight, and in the factory specified locations. Refer to the vehicle Owner's Manual. Prior to lowering the vehicle onto the stands, make sure the supports will securely contact the chassis.
4. It is very important that the vehicle is properly supported during this installation to prevent personal injury and chassis damage! Make sure that the supports stands are properly placed prior to

performing the following procedures. We **DO NOT RECOMMEND** using wheel ramps while performing this installation.

5. Remove the brake caliper from the spindle by removing the two caliper bolts. **Caution:** Use a wire to support the caliper. **Do not** let the caliper hang freely to prevent damage to the brake line (Photo 1).
6. Now that the assembly has been removed, inspect the condition of the upper and lower ball joints and tie rod ends for wear. Replace if necessary.
7. Place the Belltech spindle onto the lower ball joint, and replace the nut and cotter pin (Photo 2).
8. Lift the upper control arm and place the upper ball joint into position on the spindle. Replace the upper ball joint nut and cotter pin. (Photo 3)
9. Place the tie rod end into position on the spindle and replace the nut and cotter pin.
10. This step is very important. Replace the small rubber gasket onto the spindle, then the dust cover.
11. Replace the rotor onto the spindle. Be sure not to over tighten the castle nut after the outer bearings have been re-installed. Now replace the cotter pin and dust cap (Photo 4).
12. Re-attach the brake caliper. At this point, check all the clearances on the brake lines to make sure there is no interference. At this point the brake pads can be easily replaced before re-installation of the caliper if necessary.
13. Tighten and torque all hardware to specs above.
14. Put on the front wheels and take the van directly to your nearest alignment shop to align the front end.
15. Test-drive the vehicle in a remote location so that you can become accustomed to the revised driving characteristics and handling. Be aware that the vehicle will handle substantially different now that it has been modified.
16. Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.

PART LIST FOR 2700 DROPPED SPINDLE KIT

PART#	DESCRIPTION	QTY
2700-350	Front Spindle Left-side	1
2700-450	Front Spindle Right-side	1
110908	Cotter Pin 7/64" x 1 1/4" Zinc	2
110910	Cotter Pin 1/8" x 1 1/2" Zinc	6

