



## 3" LIFT SPINDLE - 2012 - CURRENT NV 2500/3500

**WARNING! READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION**  
**CONFIRM MEASUREMENTS BEFORE DRILLING ANY HOLES**

### PARTS LIST:

#### FRONT

- 2** WTD - 3" LIFT SPINDLE
  - 1/4" BOLT - QTY 2
  - 1/4" NUT - QTY 2
  - 1/4" WASHER - QTY 2
  - ZIP TIE - QTY 2

### TOOLS NEEDED:

- FRONT:
  - 13MM SOCKET
  - 17MM SOCKET
  - 18MM SOCKET
  - 19MM SOCKET
  - 21MM SOCKET
  - 24MM SOCKET
- 3/8" AND/OR 1/2" RATCHET
- TAPE MEASURER
- SHARPIE
- PRY BAR
- HAMMER
- PLIERS
- LOCTITE

**INSTALLATION INSTRUCTIONS**

**DISASSEMBLY**

Be sure to measure ride height before and after install for a true measurement of the total height lifted. We recommend using a piece of blue painters' tape on the front and back fenders. To find the before measurement, take a tape measurer and measure from the ground to the bottom of the fender well lip. Write that measurement on the blue tape. This step will be repeated once the lift is installed.

**STEP 1:**

Jack up front of van so the front wheels are off the ground and place jack stands under the frame behind the front bumper. This is for safety while you are completing the installation of this lift kit.

Remove front wheels using a 21mm socket.

**STEP 2:**

Remove tie rod end nut with 22mm

Hit tie rod hard with hammer to break free from spindle

**STEP 3:**

Disconnect ABS line



**DISASSEMBLY****STEP 4:**

Brake line clip on caliper removal 13mm bolt

**STEP 5:**

Remove caliper bolt using a 24mm and hang caliper out of the way. Then remove rotor

**STEP 6:**

Remove steering stop using 22mm



**DISASSEMBLY****STEP 7:**

Remove cotter pins from lower ball joint

**STEP 8:**

Remove bottom ball joint using a 24mm

*Note: Leave nuts on 2 or 3 threads on upper and lower ball joints so assembly doesn't fall.*

**STEP 9:**

Remove upper ball joint using a 22mm

Tip: To free from spindle, hit with large hammer



## DISASSEMBLY

*Note: We recommend spraying WD40 on all the threads and insides of bolts prior to assembling. This will lubricate and help everything to go back together smoothly, especially on vehicles that have a lot of rust.*

### STEP 10:

Remove stock hub from OEM spindle using 19mm



### STEP 11:

Separate hub from OEM spindle

*Note: May need to pry loose from spindle*



### STEP 12:

Now install hub into new spindle using factory bolts using a 19mm



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**INSTALLATION****STEP 13:**

Attach WTD spindle to lower ball joint, once in position, use a pry bar to place upper control arm ball joint in top spindle

Top: 22mm  
Bottom: 24mm

**STEP 14:**

Reassemble using factory hardware

**STEP 15:**

Reinstall rotor - use one lug nut to hold rotor in place while putting caliper back on



**INSTALLATION****STEP 16:**

Tighten caliper bolts using 24 mm

**STEP 17:**

Reattach tie rod end to new spindle using 22mm

**STEP 18:**

Reattach brake line and ABS line to new hole in the spindle with the included 1/4" bolt using 7/16 socket/ratchet. Zip tie ABS line to the brake line



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**INSTALLATION****STEP 19:**

Put the front wheels and tires back on and lower the jacks

**STEP 20:**

Now take the tape measurer and measure from the ground to the bottom of the fender lip and write the new ride height on the blue painter's tape that was placed on the fenders before starting the install. If everything was done correctly, a true 3 inches of lift should be the result.

**Congratulations! You have now installed the WTD Nissan NV 3" Spindle!**

You are now ready to take your van to the alignment shop.

