

3" LIFT KIT - 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 OTY 2
 - ZIP TIE QTY 2

REAR

- 2 BLOCKS
- 2 U-BOLTS
- 2 SHOCK ADAPTERS
- 2 SHOCK ADAPTER HARDWARE
 - 14MM X 1.5 X 90MM BOLT QTY 2
 - 14MM FLAT WASHERS OTY 4
 - 14MM LOCK WASHERS QTY 2
 - 14MM NUTS QTY 2

REAR CONT

- ½" X 3.5 BOLT QTY 2
- 1/2" X 1" BOLT OTY 2
- 1/2" FLAT WASHERS OTY 8
- ½" LOCK WASHERS OTY 4
- 1/2" NUTS QTY 4
- SHOCK MOUNT SPACER OTY 2
- 2 REAR SWAY BAR SPACERS
- 2 BRAKE LINE SPACERS
- **BRAKE LINE SPACER HARDWARE**
 - 5/16 X 1" QTY 2
 - 5/16 FLAT WASHER QTY 4
 - 5/16 LOCK WASHER QTY 2
 - 5/16" NUTS OTY 2

TOOLS NEEDED:

FRONT:

13MM SOCKET

17MM SOCKET

18MM SOCKET

19MM SOCKET

21MM SOCKET

2 41414 000KE

24MM SOCKET

3/8" AND/OR 1/2" RATCHET

TAPE MEASURER

SHARPIE

PRY BAR

HAMMATO

HAMMER

PLIERS

LOCTITE

REAR:

12MM SOCKET

13MM WRENCH/SOCKET

14MM SOCKET

19MM SOCKET

22MM SOCKET

24MM SOCKET

24MM SOCKET/WRENCH

GRINDER W/ SANDING DISC

INSTALLATION INSTRUCTIONS



NISSAN NV 3" LIFT KIT

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:

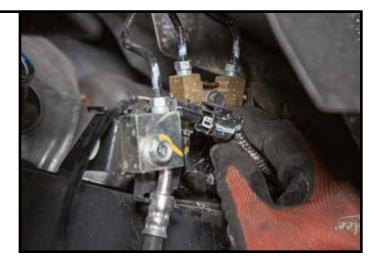
Remove tie rod end nut with 22mm

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





NISSAN NV 3" LIFT KIT

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





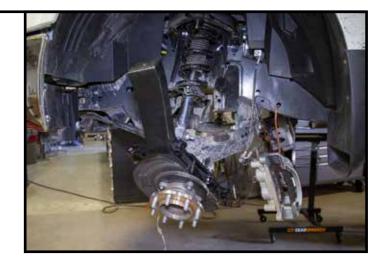


FRONT INSTALLATION (SPINDLES)

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







FRONT 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







STEP 1:

Remove 12mm bolts holding brake lines to axle

Note: Put Stock hardware aside to reuse later



STEP 2:

Loosen sway bar bracket using 14mm



STEP 3:

Remove bottom shock bolt and nut using a 19mm







STEP 4:

On the bottom shock mount grind outer sides flat to accommodate new shock extension plate and spacer



STEP 5:

Drill out hole and install 1/2" bolt, lock washer and nut, using a 3/4" socket wrench

Note: Must have u-bolt and u-bolt perch removed to drill hole



STEP 6:

Remove stock u-bolts using 19mm

Lower axle to allow enough clearance to install lift block.







STEP 7:

Jack up the axle to hold block in place



STEP 8:

Place new u bolts in and install 22mm nuts



STEP 9:

Collapse shock enough to put bolt through using supplied hardware







STEP 10:

Bend brake line mount tabs flat to accommodate brake extension plate



STEP 11:

Install extension plate with 12mm bolts



STEP 12:

Bolt brake line extension using a 1/2" wrench and socket







STEP 13:

Thread supplied 17mm bolts into sway bar drop down bracket on both sides



STEP 14:

Tighten sway bar drop bracket bolts using 17mm



STEP 15:

Tighten 14mm shock bolts using 22mm wrench and socket







STEP 16:

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



STEP 17:

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" Lift Kit!

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



