



ALUMINUM SHOCK SPACER - 2012 - CURRENT NV 2500/3500

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

PARTS LIST:

FRONT

- 2** WTD – ALUMINUM SHOCK SPACER
 - 15MM FLANGE NUTS - QTY 6

TOOLS NEEDED:

- FRONT:
 - 13MM SOCKET
 - 14MM SOCKET
 - 17MM SOCKET
 - 18MM SOCKET
 - 19MM SOCKET
 - 21MM SOCKET
 - 22MM WRENCH/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:

Loosen sway bar:
Top: 18mm
Bottom: 17mm



STEP 3:

Remove tie rod end nut with 22mm

Hit tie rod hard with hammer to break free from spindle



DISASSEMBLY**STEP 4:**

Disconnect ABS line

**STEP 5:**

Brake line clip on caliper removal 13mm bolt

**STEP 6:**

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



DISASSEMBLY**STEP 7:**

Remove upper ball joint using a 22mm

Tip: To free from spindle, hit with large hammer

**STEP 8:**

Now with the knuckle removed, remove strut shock from lower control arm using 22mm

**STEP 9:**

To remove strut from frame side, loosen the three 14mm nuts



FRONT INSTALLATION (COILOVER SPACER)**STEP 10:**

Bolt coilover shock to aluminum spacer using factory nuts

**STEP 11:**

Install aluminum spacer to frame using supplied 15mm nuts to secure spacer to frame mount

Note: Make sure to use Loctite on nuts

**STEP 12:**

Reinstall bottom bolt and nut on bottom of coilover to lower control arm 22mm



FRONT INSTALLATION (SPINDLES)**STEP 13:**

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

**STEP 14:**

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 15:**

Reassemble using factory hardware



FRONT INSTALLATION**STEP 16:**

Tighten caliper bolts using 24 mm

**STEP 17:**

Reattach tie rod end to spindle using 22mm

**STEP 18:**

Reattach brake line and ABS line to spindle



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 2 inches of lift should be the result.

Congratulations! You have now installed the WTD Nissan NV Aluminum Shock SPacer!

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

