



## 3" SPINDLE - CHEVROLET EXPRESS/GMC SAVANA

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

### PARTS LIST:

FRONT

**2** WTD - 3" LIFT SPINDLE

### TOOLS NEEDED:

FRONT:

10MM SOCKET

15MM SOCKET

18MM SOCKET

21MM SOCKET

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

TAPE MEASURER

HAMMER

VICE GRIPS

PRY BAR

LOCTITE

SHARPIE

BLUE PAINTERS TAPE

**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 22mm socket.



### STEP 2:

Put jack under LCA so the coil spring does not pop out.

Disconnect the ABS line

*\*Note: Do not remove shock until spindle is installed*



### STEP 3:

Remove tie rod end from spindle 21mm

Break tie rod loose with hammer



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

Remove brake caliper bolts 21mm

Place brake caliper aside on hanger toward rear of vehicle

Before moving 10mm bolt holding brake line to spindle, remove bracket from brake line by bending it open

**STEP 5:**

Remove brake rotor

**STEP 6:**

Loosen lower spindle ball joint nut 24mm, leave nut threaded



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

Loosen upper spindle ball joint nut 18mm, leave threaded

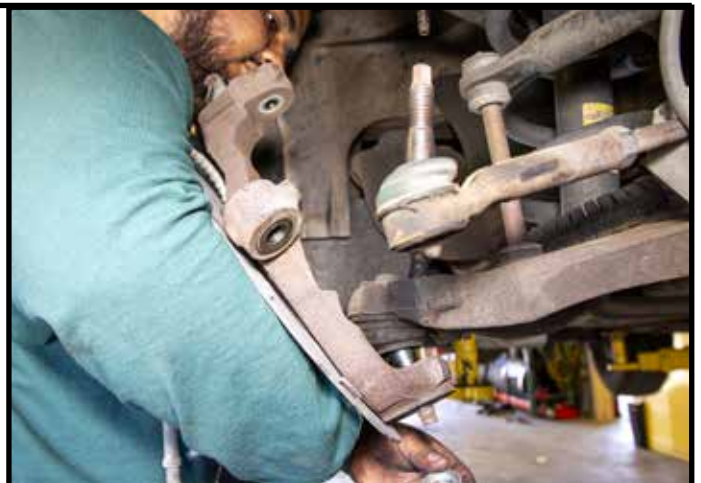
**STEP 8:**

Break ball joints free with hammer

*\*Note: Must hit REALLY hard*

**STEP 9:**

Remove upper and lower spindle nuts



**DISASSEMBLY****STEP 10:**

Place on bench and remove hub from spindle bolts using a 15mm

**STEP 11:**

Separate hub from spindle.

*\*Note: You may need to use prybar or tab with hammer from backside*



**FRONT INSTALLATION (START ON DRIVER SIDE)****STEP 12:**

Red thread locker on all 4 hub bolts and bolt new spindle to hub using a 15mm

**STEP 13:**

Install hub on new WeldTec Designs 3" lift spindle



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**FRONT INSTALLATION****STEP 14:**

Place new spindle in lower control arm

Thread lower ball joint nut

*Note: Before installing upper ball joint, move brake caliper back so brake line is behind spindle*

**STEP 15:**

Use a prybar to push upper arm down to install ball joint in spindle

**STEP 16:**

Thread upper ball joint and tighten



**FRONT INSTALLATION****STEP 17:**

Torque upper and lower ball joints upper 18mm  
lower 24mm

Torque Specs:

**STEP 18:**

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Modification of brake caliper mounting bracket is necessary.

Using a sanding disc, trim aluminum part (shown in image) to clear spindle. Also, bevel inside edge to clear weld on spindle.

**STEP 19:**

Assemble brake rotor and caliper in place

Bolt 21mm caliper bolts

Bolt brake line hanger using a 10mm and supplied clamp and allen bolt to back of spindle

Bolt rubber brake hose clip to new spindle





**STOCK COMPONENT REASSEMBLY**

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**STEP 20:**

Install tie rod using 21mm

**STEP 21:**

**Congratulations! You have now installed the Chevrolet Express 3" Spindle!**

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

