



5" LIFT KIT - 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
 - ALLEN BOLT - QTY 2
 - CLAMP - QTY 2
- 2** FOX 2.0 IFP SHOCK (FRONT)
- 2** 2" ALUMINUM COIL SPACERS

REAR

- 2** FOX 2.0 IFP SHOCK (REAR)
- 2** U-BOLTS
- U-BOLT HARDWARE
 - NUTS - QTY 8
 - WASHERS - QTY 8
- 2** BLOCKS

TOOLS NEEDED:

FRONT:

- 10MM SOCKET
- 13MM SOCKET
- 15MM SOCKET
- 18MM SOCKET
- 19MM SOCKET
- 21MM SOCKET
- 24MM SOCKET
- 1/8 ALLEN WRENCH
- 3/8" AND/OR 1/2" RATCHET
- TAPE MEASURER
- HAMMER
- WISE GRIPS
- PRY BAR
- LOCTITE
- SHARPIE
- BLUE PAINTERS TAPE

REAR:

- 13MM SOCKET
- 18MM WRENCH
- 21MM SOCKET/WRENCH
- 24MM SOCKET
- 1/4" DRILL BIT

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

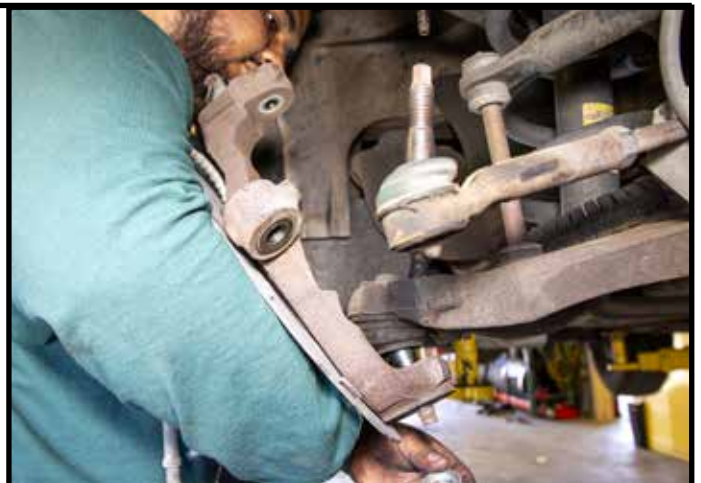
**STEP 8:**

Break ball joints free with hammer

**Note: Must hit REALLY hard*

**STEP 9:**

Remove upper and lower spindle nuts



DISASSEMBLY**STEP 10:**

Place a jack under the lower control arm.

Loosen upper shock nut with 15mm and a pair of vise grips to hold shock still

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

**STEP 11:**

Un-bolt lower shock bolts 13mm remove shock

Remove swaybar link

Remove coil.

**STEP 12:**

Put spacer on top of coil and put both inside coil bucket.

Jack up lower arm to get coil in place



DISASSEMBLY

STEP 13:

Place new shock in place

Thread top nut in place

Tighten lower 13 mm shock bolts



STEP 14:

Tighten upper shock nut 19mm (if installing a new fox shock) 15mm if old shock is being used

**Note: Top shock mount should be snug! Do not crush bushings. This will lead to shock failure.*

****Double check on ground****



STEP 15:

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



ASSEMBLY**STEP 16:**

Separate hub from spindle.

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

**STEP 17:**

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

**STEP 18:**

Install hub on new WeldTec Designs 3" lift spindle



FRONT INSTALLATION (START ON DRIVER SIDE)**STEP 19:**

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 20:**

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

**STEP 21:**

Thread upper ball joint and tighten



FRONT INSTALLATION**STEP 22:**

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

Torque Specs:

**STEP 23:**

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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 24:**

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**STEP 25:**

Assemble brake rotor and caliper in place

Bolt 21mm caliper bolts

**STEP 26:**

Install tie rod using a 21mm

Double check that everything is tight

**STEP 27:**

Put wheels/tires back on front and lower front of vehicle.

Congratulations! You have now installed the WTD Chevrolet Express 5" Lift Kit.

Now it's time to move to the rear of the vehicle...



REAR INSTALLATION - BLOCKS & U-BOLTS**STEP 1:**

Remove rear wheel

Place jack under side of rear axle you are working on.

**STEP 2:**

Remove brake line bracket on frame 13mm.

Move to bottom of frame. Drill new hole using a 1/4" drill bit. Cut off excess below frame

**STEP 3:**

Remove rear shock bolt

Upper: 13mm

Lower (New Models): both 21mm

Lower (Older Models): 18mm-21mm



REAR INSTALLATION - BLOCKS & U-BOLTS**STEP 4:**

Remove u- bolts 24mm

**STEP 5:**

Lower rear axle enough to place lift block in place. Shorter side towards the front of vehicle

**STEP 6:**

Once block is lined up jack axle up to install u-bolts



REAR INSTALLATION - BLOCKS & U-BOLTS**STEP 7:**

Place new U bolts in place with nuts threaded on u-bolt carriage

Tighten u-bolts with 24mm

**STEP 8:**

Place new shocks in place and tighten top upper bolts with a 13mm

**STEP 9:**

Tighten lower shock bolts when you are done installing both sides with a 21mm.



REAR INSTALLATION - BLOCKS & U-BOLTS**STEP 10:**

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

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 started the install. If everything was done correctly, a true 5 inches of lift should be the result.

Congratulations! You have now installed the Chevrolet Express 5" Kit!

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

