



FORD TRANSIT MOJAVE 3" SUSPENSION LIFT KIT

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

PARTS LIST:

FRONT

- 2** LIFT SPINDLE (FT-3LS)
- 1** LIFT SPINDLE HARDWARE (FT-3LS-H)
- 6** P-PAN SELF DRILLING HEAD
- 2** M16-2.0X50 H/C 8.8 BOLT

REAR

- 2** FOX 2.0 SHOCKS
- 2** 2" BLOCKS
- 2** U-BOLTS

TOOLS NEEDED

FRONT

- 3/8" AND/OR 1/2" RATCHET
- 1/8" DRILL BIT
- 10MM
- S18MM
- 21MM
- 30MM
- LONG T50
- LOCTITE

REAR:

- 15MM
- 18MM
- 19MM
- 21MM
- 22MM
- 1/2" 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:

Park vehicle on level ground, jack up the front and remove front tires.

**STEP 2:**

Remove tie rod (21mm).

**STEP 3:**

Remove brake caliper and hang out of the way (21mm).



FRONT END DISASSEMBLY**STEP 4:**

Remove the strut pinch bolt so strut can be removed from the spindle (18mm).

**STEP 5:**

Remove the lower ball joint nut (30mm).

**STEP 6:**

Then remove the hub from the spindle using a long T50.



FRONT END DISASSEMBLY**STEP 7:**

Now the spindle is ready to be removed from the vehicle.

**STEP 8:**

With the spindle off the vehicle, the lower ball joints will need to be removed.

First use a T50 to remove the 2 bolts. Use a ball joint press to remove and install the ball joints.

**STEP 9:**

Brake line lowering:

Drill out the 3 rivets and lower bracket to the bottom of the frame. Mount this bracket with the supplied P-Pan Self Drilling Head screws



INSTALLATION**STEP 10:**

When installing the spindle, it is better to put the strut in first then install the lower ball joint in the arm.

Tighten lower ball joint (30mm) and strut pinch bolt (18mm)

**STEP 11:**

Install the brake caliper (21mm)

Lower Mount: Use supplied bolt for additional clearance.

**STEP 12:**

Attach tie rod and tighten bolt (21mm)



INSTALLATION**STEP 13:**

Install wheels, lower vehicle and torque lug nuts to 130ft/lb

**STEP 14:**

Double check all bolts and spin wheel/tire both directions to make sure it clears the brake caliper bolt

The front install is now complete. Time to move to the rear installation



REAR INSTALLATION - BLOCKS & U-BOLTS**STEP 15:**

Jack the back of the van up and remove rear tires. Place jack stands under rear frame. Remove the bolts from the bottom of the shock mounts with a 15mm wrench and 18mm socket.

**STEP 16:**

Remove upper shock nut using an 18mm/21mm, then remove rubber shock bushing from frame using a flathead screwdriver.

**STEP 17:**

Place a second set of jack stands under the rear axle loosen u-bolts using a 21mm deep socket only on one side. On opposite side, remove u-bolts completely and use a floor jack to lower rear end to fit blocks.

Note: If blocks have a taper in them, make sure the tall side goes towards rear of vehicle.



REAR INSTALLATION - BLOCKS & U-BOLTS**STEP 18:**

Align lift block with locating pin in axle and leaf spring, then install the longer u-bolts. When installing u-bolt nuts, only snug at this point. Now repeat steps on other side. Once you have both blocks in, tighten u-bolt nuts to 165 ft lbs.

**STEP 19:**

Installing the new Fox 2.0 Shocks: On the rear upper shock mount, use factory bolt and install new shock with 2 aluminum spacers. On the rear lower mount, use 2 thick washers with new 1/2" bolt. Drill out factory shock mount to 1/2".

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.

Congratulations! You have now installed the Mojave Kit!

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

