



2022+ Nissan Frontier Lift Kit Installation Instructions

Congratulations on your purchase and welcome to the Bushmaster 4x4 family.

Notes:

- Improper use of a spring compressor can cause serious injury. If you are not experienced with this tool, have the installation performed by a qualified technician.
- Improper installation or misuse of this product may result in vehicle damage, serious injury, or death.
- It is highly recommended that installation be performed by a certified automotive technician or an individual with verifiable experience in the installation of suspension components and vehicle modifications.
- The purchaser assumes all responsibility for the correct installation, maintenance, and use of this product.
- By installing this product, the end user acknowledges the inherent risks associated with modifying vehicle suspension systems and agrees to release the manufacturer and seller from any liability related to improper installation, use, or application.
- Use of an automotive lift is highly recommended
- Never work underneath a vehicle that is not properly supported.
- A professional alignment is required after installation.
- The shocks illustrated in this manual may vary from the ones supplied with your kit. However, the installation process is identical



Tools Required For Installation

- 1. Floor jack and jack stands or a lift and pole jack**
- 2. Impact Wrench and 21mm socket**
- 3. 6mm allen wrench or socket**
- 4. 8mm, 17mm, 18mm and 19mm Wrenches**
- 5. Ratchet**
- 6. Shallow 10mm and 12mm socket**
- 7. Deep 14mm, 18mm and 19mm sockets**
- 8. Extensions**
- 9. Spring compressor**

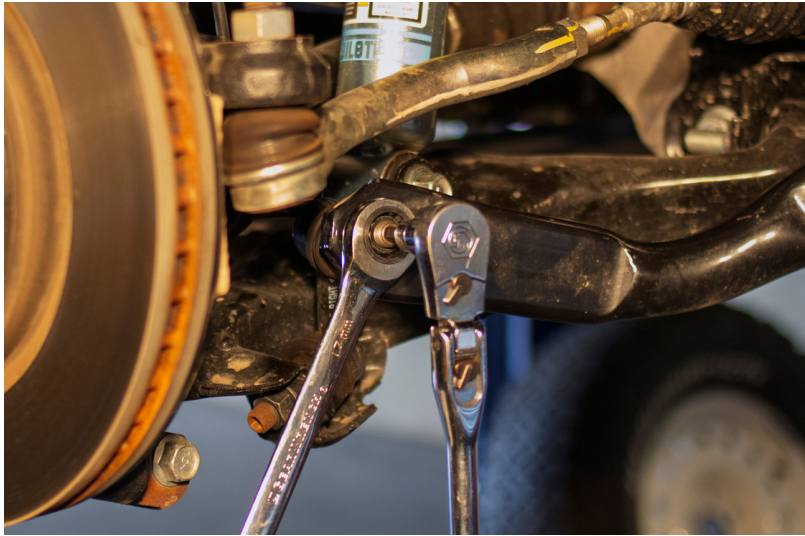


Front Lift Install

Step 1: Lift and properly support vehicle

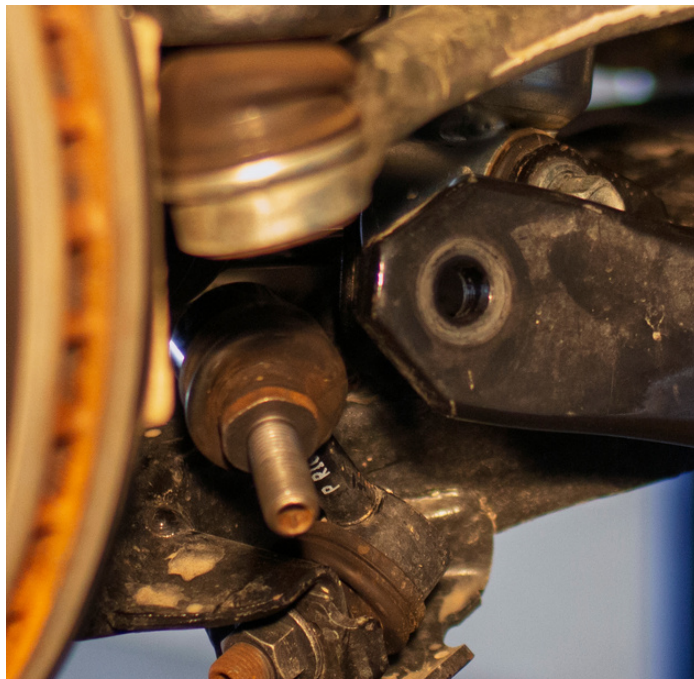
Step 2: Remove the front wheels

Step 3: Using 17mm wrench and 6mm allen remove sway bar end link nut



(Repeat step on both sides)

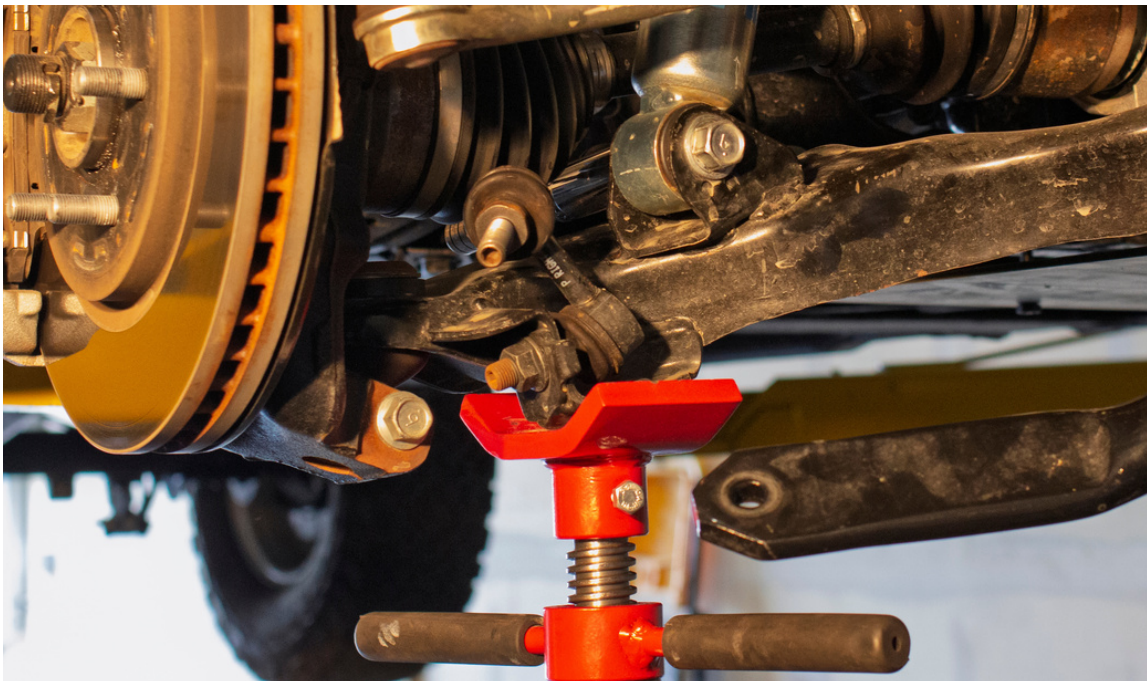
Step 4: Remove sway bar end link from sway bar and swing to the side.



Step 5: Swing sway bar out of the way



Step 6: Support lower control arm with floor or pole jack



Step 7: Using 14mm socket remove upper shock nuts



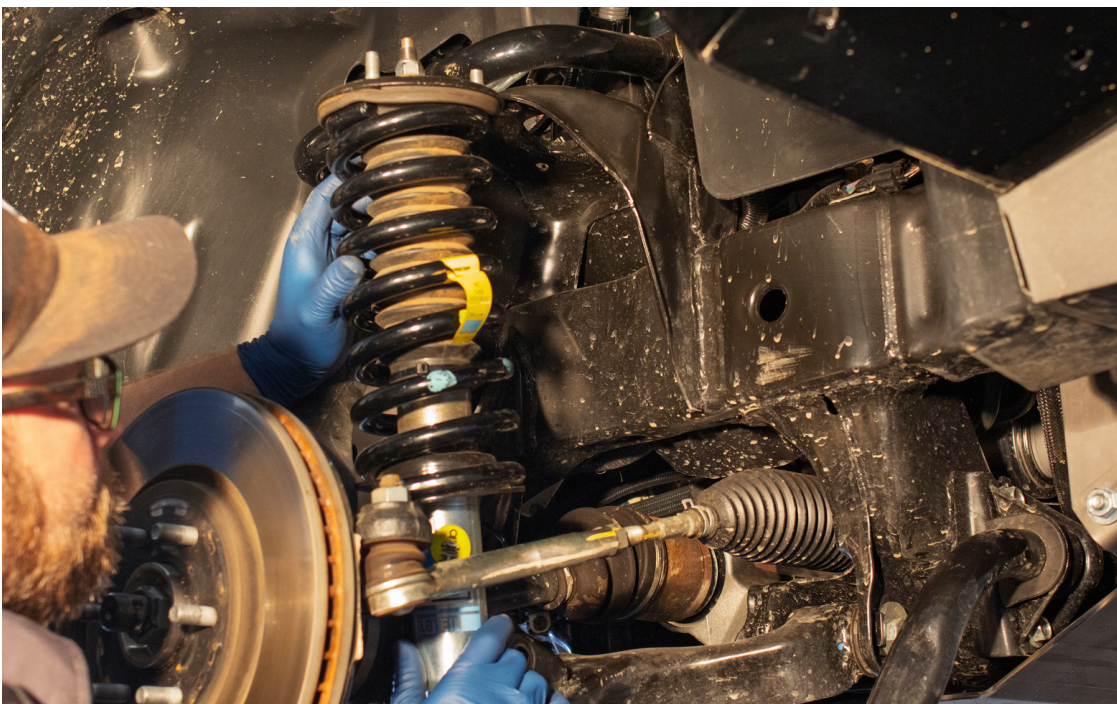
Step 8: Using 19mm socket and 19mm wrench remove the lower shock nut and bolt



Step 9: Drop lower control arm by about 1/2 inch, carefully lower shock until the upper shock mount clears the frame



Then pivot the shock away from frame, lift up and out. (Be careful not to damage wheel speed sensor wiring or the fender during removal).



Step 10: Mark the position of the strut mount in relation to the shock. It is critical that these components are reinstalled in the same orientation.



Improper use of a spring compressor can cause serious injury or death. If you are not experienced with this tool, please have the installation performed by a qualified technician.

Step 11: Using a spring compressor, compress the factory spring until it is loose. Remove the 17 mm nut and strut mount, noting the order of components for reassembly

Step 12: Carefully release the spring compressor, then compress the Bushmaster 4x4 spring place onto shock and reassemble.

Step 13: Install the spacer onto the top of the strut mount.



Step 14: Install the shock assembly with spacer in place in reverse order
(Tighten the lower shock bolts only when the vehicle is sitting on its wheels or the suspension is fully loaded. If you tighten them with the suspension hanging, Bushing damage may occur)



Step 15: Have an alignment performed by your favorite local shop (If you purchased lower control arm eccentric bolts, bring them to your alignment shop)

Step 16: Recheck all fasteners after alignment and periodically when performing other maintenance

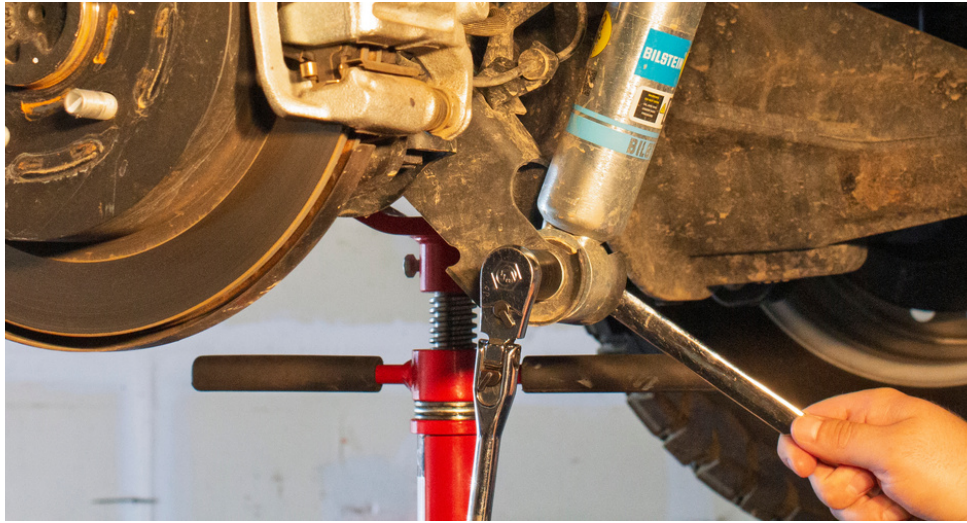
Note: Shocks in pictures may differ from the kit you've purchased. These instructions are universal to all front shock kits we sell.

Rear Lift Block Installation

Step 1: Lift and properly support vehicle, if using jack stands you'll need to place them under the frame, not the axle.

Step 2: Using floor jack or pole jack support rear axle

Step 3: Using 19mm socket and wrench remove lower shock nut and bolt



Step 4: Remove U-bolt nuts using 18mm socket





Step 5: Remove U-bolt plate and U-bolts. (U-bolt plate will be reused)

Step 6: Carefully lower the axle until the lift block can be installed. Be mindful of brake lines and wheel speed sensor wiring. Do not overextend.

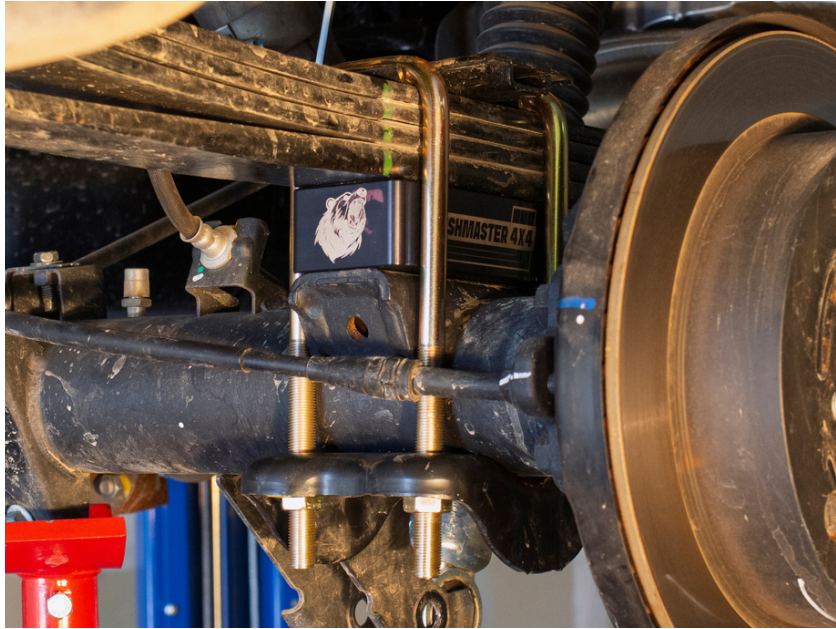


Step 7: Install the lift block with the locating dowel facing down. Align the spring locating dowel with the hole marked "Frontier". Position the block with the Bear logo facing the rear.





Step 8: Raise the axle until the lift block contacts the leaf spring and guide the dowel into the block



Step 9: Install the new U-bolts and the original U-bolt plate.

Step 10: Torque U-bolt nuts to 70 Ft-Lbs

Step 11: Re-install lower shock nut and bolt, (wait to tighten until suspension is loaded or bushing damage will occur)

Step 12: Test drive the vehicle and recheck all U-bolt torques. Continue to monitor torque during routine maintenance.

Thank you for choosing Bushmaster 4x4. Enjoy your upgraded ride!