



PILOT

2023-2024 1.5-inch lift kit installation guide

Professional installation is recommended.

IMPORTANT!

Lifting and modifying the suspension on your vehicle may result in drive line vibrations, damaged bushings, erratic handling characteristics, and shortened suspension component life. NO-LO designs recommends the following:

- Checking and/or replacing worn drive axles with new parts, not remanufactured.
- Checking and/or replacing all worn factory rubber bushings with urethane bushings, such as Prothane.
- Checking and/or replacing worn shock absorbers and bump stops.
- Performing a 4-wheel alignment after working on suspension components.

Lift kits may not be legal for use on public highways in your area. Please check local laws before installing!!

WARNING!

Lifted vehicles are more prone to rolling over.

Some NO-LO designs products are designed to improve off-road capabilities. Modifying the suspension of your vehicle may result in handling characteristics that are different from a factory equipped vehicle. Extreme care must be used to prevent a rollover or loss of control. Always operate your modified vehicle at a reduced speed to ensure your ability to maintain control under all driving conditions. Driving your vehicle in an unsafe manner may result in serious injury or death. NO-LO designs lift kits are designed and tested to work together. NO-LO designs does not recommend combining this lift kit with any other type of suspension or body lift. Always wear your seat belt.

Recommended tire size (Trailsport):

265/60/18 (30.5") (Stock)

255/65/18 (31")

265/65/18 (31.5") (cutting may be required)

Recommended tire size (Elite, Sport, Touring)

255/50/20 (30") (Stock)

265/50/20 (30.4")

255/55/20 (31")

265/55/20 (31.5") (cutting may be required)

Be sure to check fitment prior to installation! These sizes are only suggestions. NO-LO Designs is not responsible for improperly fitted wheels/tires!

Included in the kit:

- 2 1.5" front lift spacers
- 2 1.5" rear lift spacers
- 6 M10 nuts (front lift spacers)
- 2 Replacement front sway bar links
- 2 rear shock extension brackets
- 4 M10x60 bolts (rear shock extension)
- 4 M10x35 bolts (rear shock extension)
- 4 M10 nuts (rear shock extension)
- 4 1x1 M10 spacers (rear shock extension)
- 2 Front brake line relocation brackets
- 2 Rear brake line relocation brackets
- 4 M8x16 bolts (brake line brackets)
- 4 M8 nuts (brake line brackets)

TOOLS REQUIRED: Floor jack, lug wrench, metric socket set to 21mm, 36mm axle socket, metric wrench set to 19mm, impact wrench, pliers, heavy hammer, screwdriver, plastic cutting tool, torque wrench and paint pen.

Approximate installation time: 4 hours.

Front installation:

Step 1. Remove plastic access panels under hood to reach Driver side front upper strut mount.

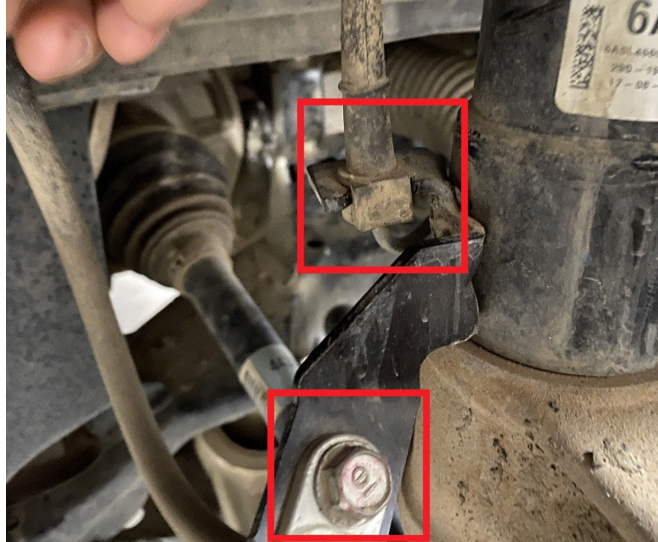


Step 2. Remove nuts holding struts to body, leave one nut on so struts do not fall when lifting vehicle to access bottom bolts.

Step 3. Lift vehicle and support with jack stands.

Step 4. Remove wheels.

Step 5. Remove brake line and unclip ABS wiring from strut.



Step 6. Remove brake rotor and axle nut.



Step 7. Remove nut holding tie rod end to knuckle, strike knuckle with heavy hammer to dislodge tie rod end.



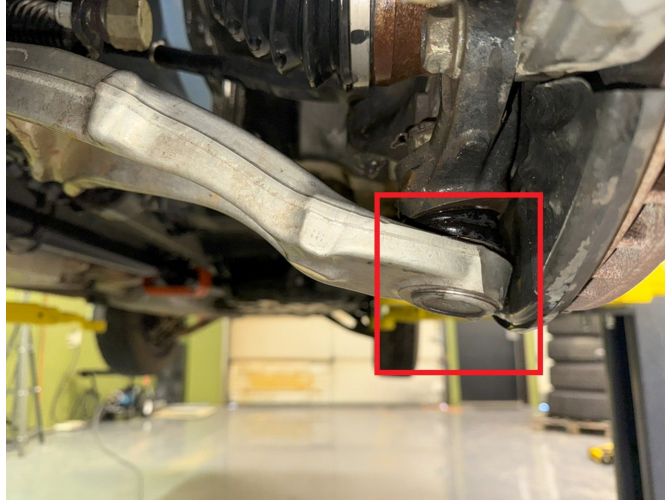
Step 8. Remove brake caliper (never loosen the brake line hoses) and use a length of wire or string to hold it up and out of the way.

Step 9. Remove and discard OEM sway bar links.

Step 10. Remove pinch bolt (see photo below) Save hardware for reinstallation.



Step 11. Remove lower ball joint nut and using a heavy hammer, strike lower arm to carefully unseat lower ball joint from bottom of knuckle.



Step 12. The knuckle should slide free from strut.

Step 13. Remove strut assembly.

Step 14. Install strut spacers onto top of struts using M10 nuts supplied with the kit.



Step 15. Reinstall front strut and knuckle in reverse order. Use OEM nuts to secure the strut to body. Torque upper mounting nuts to 25 ft-lb. Strut pinch bolt to 88 ft-lb. brake caliper bolts 91 Ft. Lb.

Step 16. Install new sway bar end link using supplied hardware, torque nuts to 58 ft-lb.



Step 17. Install BLBL on brake line mount, to relocate brake line brackets. (see photo)



Step 18. Repeat steps 1-17 for passenger side.

Step 19. Double check all bolts.

Step 20. Double check brake dust shields to be sure that they do not rub on brake rotors.

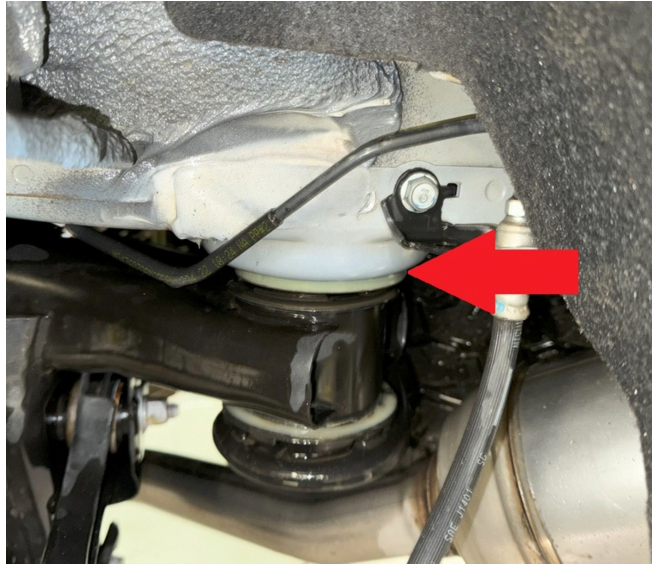
Step 21. Reinstall wheels and lower vehicle.

Rear installation:

Step 1. Lift vehicle and support with jack stands.

Step 2. Locate and loosen 4 main rear subframe bolts. Do not remove bolts holding subframe stiffener brackets.

Step 3. Place 4 "Pacman" spacers between rear subframe and body.



Step 4. Tighten rear main subframe bolts to 135 Ft-Lb.

Step 5. Remove bolt holding driver side rear brake line mount to frame.

Step 6. Install rear brake line bracket as shown:



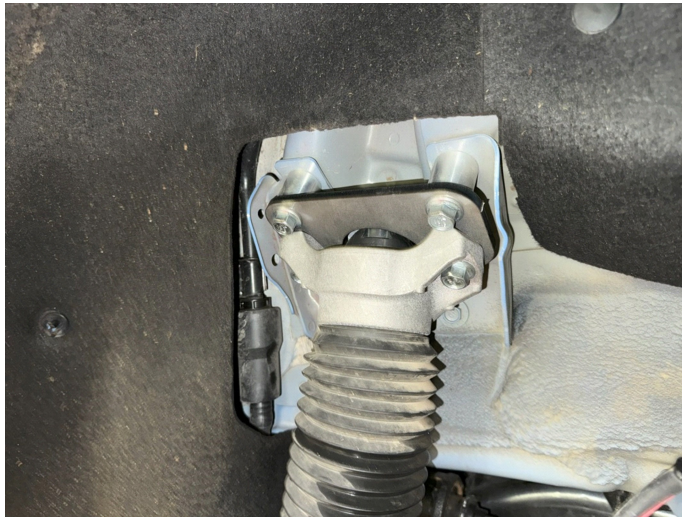
Step 7. Support driver side rear lower control arm with a floor jack.

Step 8. Remove 2 bolts holding shock absorber to inner fender.

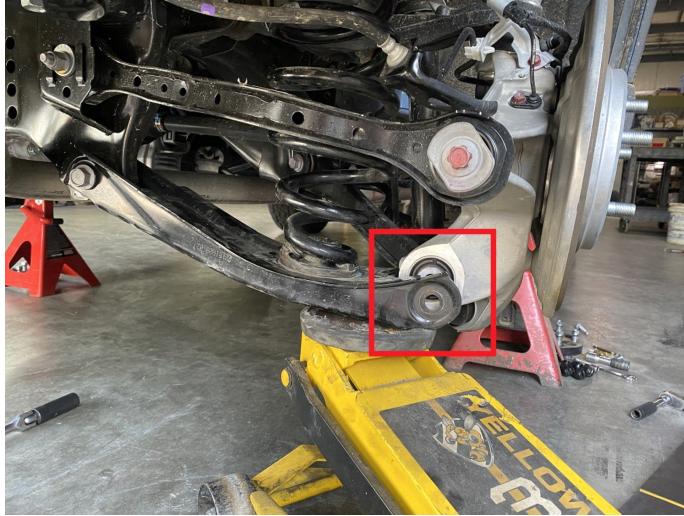


Step 9. Bolt shock to shock bracket using hardware provided in the kit. Tighten bolts to 35 ft-lb.

Step 10. Place 2 1x1 M10 spacers between shock bracket, and attach assembly to inner fender as shown:



Step 11. Remove bolt holding lower control arm to wheel hub as shown:



Step 12. Carefully lower jack to release pressure on spring, remove spring.

Step 13. Place rubber spring isolator on top of spring, place lift spacer on top of isolator.

Step 14. Reinstall spring. **Be sure to clock the spring so that the notches in the lower isolator match the contour of the spring!**



Step 15. Using floor jack or screw jack, lift lower control arm until bolt holes line up.

Step 16. Reinstall bolt holding strut to lower control arm.

TIP: do not fully tighten control arm bolts until vehicle is resting on the ground (this will help prolong bushing life)

Step 17. Repeat steps 5-16 for passenger side.

Step 18. Reinstall wheels and lower vehicle.

Step 19. Double check all bolts. Refer to torque specifications below, mark bolts that have been double checked with a paint pen.

Step 20. Get a professional alignment.

Lug nuts: 127 Ft-Lb.

Axle nut: 242 Ft-lb.

Brake line bolts: 25 Ft-Lb.

Brake caliper bolts 91 Ft-Lb.

Sway bar end link nuts 58 Ft-Lb.

Strut mounting nuts: 33 Ft-Lb.

Strut pinch bolt: 88 Ft-Lb.

Rear lower arm bolt: 135 Ft-Lb.

Rear shock bolts: 35 Ft-lb.



Note: Installing a lift kit will change the suspension geometry and will require a 4-wheel alignment.

Warning: Failure to follow the procedures in these installation instructions may result in unsafe handling characteristics, damage to vehicle, or loss of

control.

For tech support, please call (412)550-0658 Or email ian@no-lodesigns.com

This product is intended for off-road use only!!

Checklist

- PIL2324 1.5F (2)
- PIL2324 1.0R (2)
- RID SBEL (2) 3-b
- PIL2324 RBLB (1 pack of 2)
- BLBL (1 pack of 2) 2-i
- 2.5x.25 M14 (1 pack of 4)
- PIL2324 RSE (2)
- sticker

