



## ***PASSPORT***

**2019-2025 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. HRG Offroad 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 HRG Offroad 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. HRG Offroad lift kits are designed and tested to work together. HRG Offroad does not recommend combining this lift kit with any other type of suspension or body lift. Always wear your seat belt.

Recommended tire size:

245/60/18 (stock)

255/60/18 (30.0")

245/65/18 (30.5")

265/60/18 (31.1") **MAY REQUIRE FENDER MODIFICATION!**

***Be sure to check fitment prior to installation! These sizes are only suggestions. HRG is not responsible for improperly fitted wheels/tires!***

**Included in the kit:**

- 2 1.5" front lift spacers 5323
- 12 M10 nuts
- 2 1.0" or 1.5" rear lift spacers 5282 or 5281
- 6 M10x25 grade 10.9 bolts
- 6 M10 nuts
- 2 Replacement front sway bar links

**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 and rear) 3 hours (front only)**

**Skill level: Moderate**

**Front installation:**

Step 1. Lift vehicle and remove wheels.

Step 2. Remove brake line and unclip ABS wiring from strut, remove wheel sensor.



Step 3. Remove nut holding tie rod end to hub, strike knuckle with heavy hammer to dislodge tie rod end.



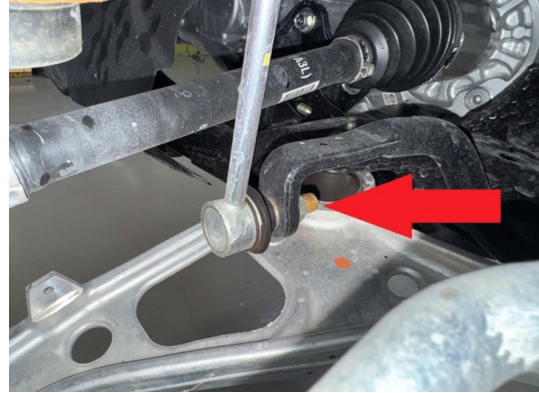
Step 4. Remove caliper (never loosen the brake line hoses) and secure it out of the way.



Step 5. Remove brake rotor and axle nut.



Step 6. Remove and discard OEM sway bar links.



Step 7. Remove lower ball joint nut and cotter pin.

Step 8. Have a helper pry downward on the lower control arm while striking the hub with a large hammer, to separate the ball joint from the hub. This can take dozens of hits. Be careful not to hit the ball joint boot.



Step 9. Remove plastic access panels under hood to reach driver side front upper strut mount.



Step 10. Remove 14mm nuts holding struts to body, remove strut and hub assembly as one piece. Do not separate strut from hub.

Step 11. Install strut spacers onto top of struts using OEM hardware.



Step 29. Mount spacer, strut, and hub assembly back into shock tower using M10 nuts provided in the kit. Torque nuts to 33 ft-lb.



Step 30. Using a very large pry bar or 4 foot pipe, pry down on the lower control arm while moving hub back into position. Slide the axle back into the hub and angle the lower ball joint outward so that it feeds into the hole in the bottom of the hub. Once the ball joint is oriented properly, release pressure on the pry bar. The ball joint should pop into place. Have a helper push in and turn the hub while doing this. This step may take several attempts!



Step 31. Reinstall axle nut, torque to 242 ft-lb.

Step 32. Install new sway bar end link using supplied hardware. Torque sway bar nuts to 56 ft-lb.



Step 33. Reinstall brake rotor and caliper. Tighten brake caliper bolts to 80 ft-lb

Step 34. Reinstall tie rod end. Do not forget cotter pin!

Step 35. Repeat installation process for passenger side.

Step 36. Double check all bolts. Especially sway bar links!

Step 37. Check brake dust shields for contact with rotors, bend back as necessary to prevent noise.

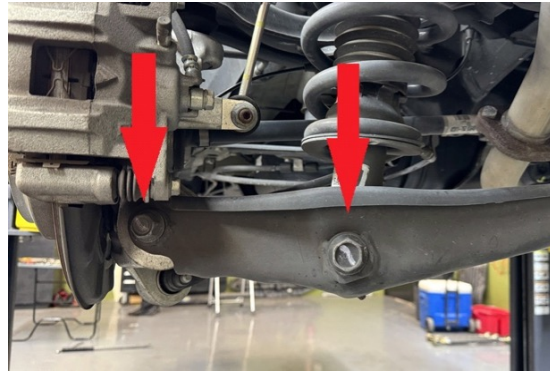
### **Rear installation:**

Step 1. Jack up vehicle and support with jack stands.

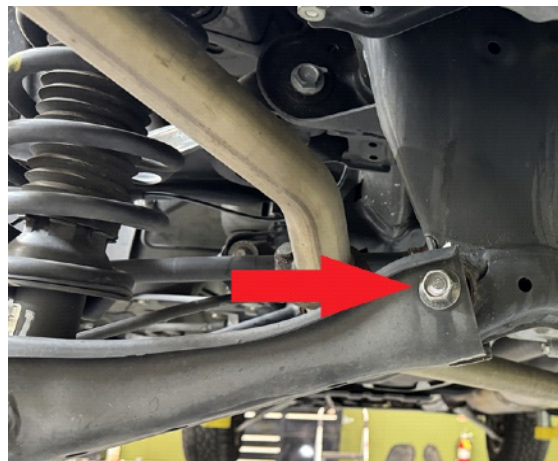
Step 2. Remove wheels.

Step 3. Remove bolt holding driver side strut to lower control arm.

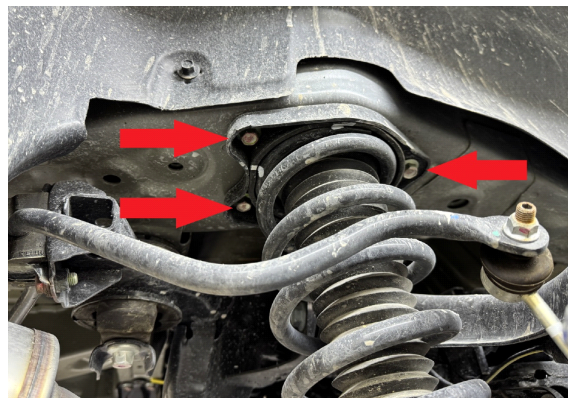
Step 4. Remove bolt holding lower control arm to wheel hub. (Outermost bolt on lower control arm.)



Step 5. Loosen but do not remove nut holding lower control arm to subframe to allow arm to drop. (Innermost bolt on lower control arm.)



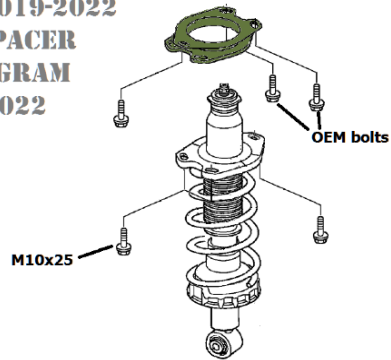
Step 6. Remove 3 bolts holding strut to body and remove strut.



Step 7. Attach spacer to strut using hardware provided in the kit. Torque bolts to 35 ft-lb.

Step 8. Install strut/spacer combination using OEM hardware. Be careful not to cross thread these bolts! Torque OEM bolts to 44 ft-lb.

**2016-2022 PILOT/2019-2022  
PASSPORT REAR SPACER  
INSTALLATION DIAGRAM  
(C)HRG OFFROAD 2022**



Step 9. Reinstall bolt holding strut to lower control arm.

Step 10. Using a floor jack, lift up on lower control arm until bolt holes line up.



Step 11. Reinstall bolt holding strut to lower control arm.

Step 12. Reinstall bolt holding lower control arm to hub.

**TIP: Do not fully tighten control arm bolts until vehicle is resting on the ground. (This will help prolong bushing life.)**

Step 13. Repeat installation process for passenger side.

Step 14. Reinstall wheels and lower vehicle.

Step 15. Double check all bolts.

Step 16. Get a professional alignment.

Step 17. Find some trails!

**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 1-844- HRG LIFT (474-5438) from 8-4:30 PM EST Mon-Thu 8-3:30 PM Fri or email us 24/7 at [support@hrgoffroad.com](mailto:support@hrgoffroad.com).**

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

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