PILOT

2023-2026 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 (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. HRG is not responsible for improperly fitted wheels/tires!

Included in the kit:

2 1.5" front lift spacers 5303
2 1.0" rear lift spacers 5306
6 M10 nuts (front lift spacers)

2 Replacement front sway bar links
4 0.25" rear subframe spacers
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)
6 M14 .25x1.25 subframe spacers

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

Skill level: Moderate

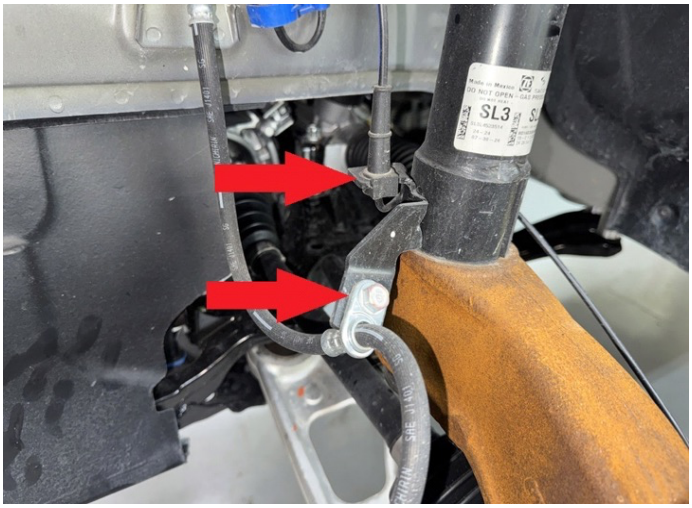
Approximate installation time: 3-5 hours. One step of this installation will require 2 people.

Front installation:

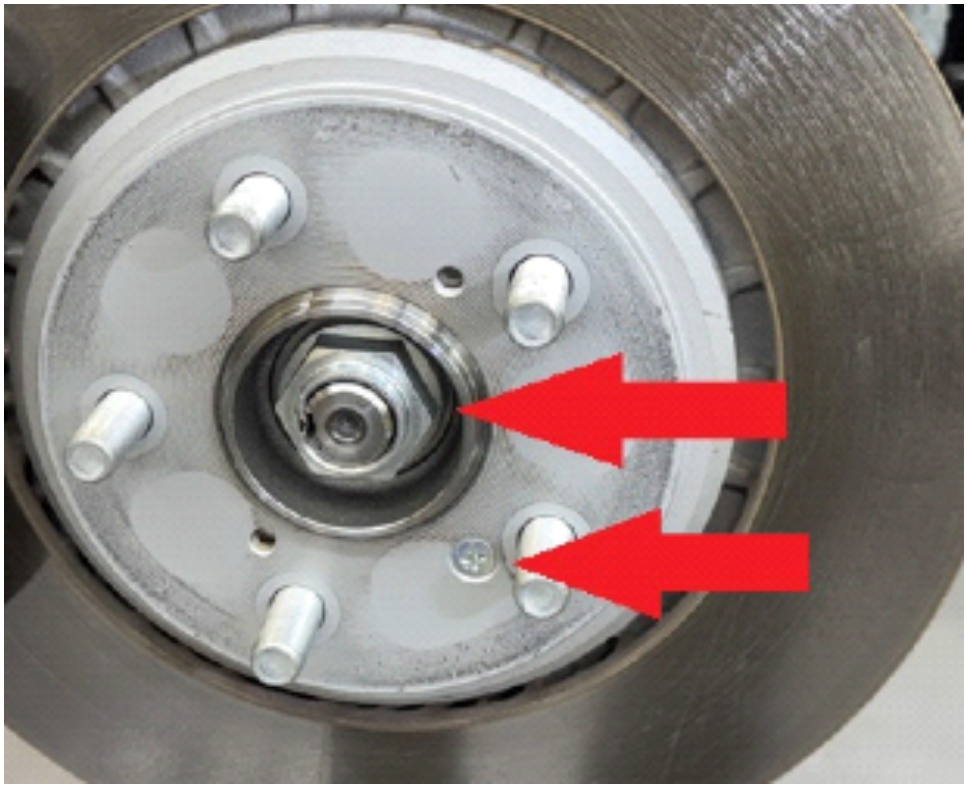
Step 1. Lift vehicle and support with jack stands.

Step 2. Remove wheels.

Step 3. Remove brake line and unclip ABS wiring from strut.

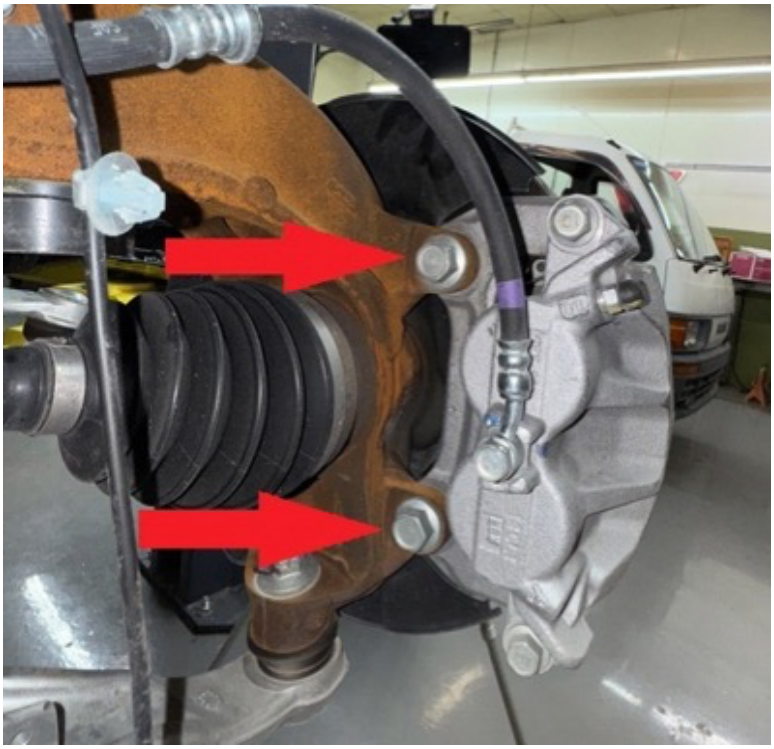


Step 4. Remove brake rotor and axle nut.

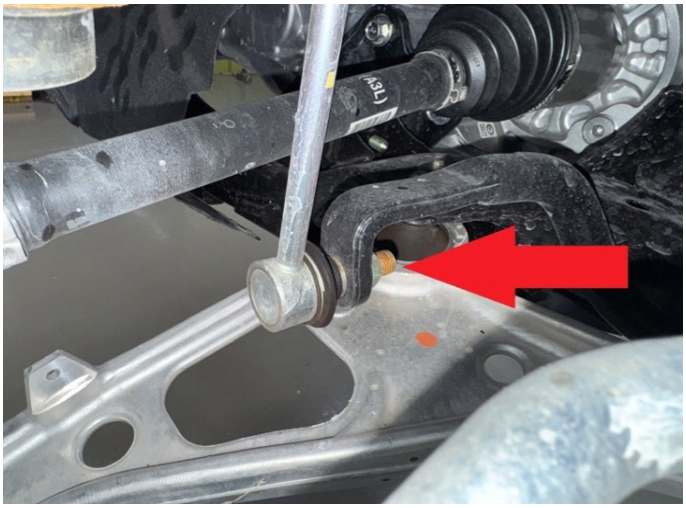


Step 5. Remove cotter pin and loosen nut holding tie rod end to knuckle (do not remove nut), strike knuckle with heavy hammer to dislodge tie rod end. Remove nut

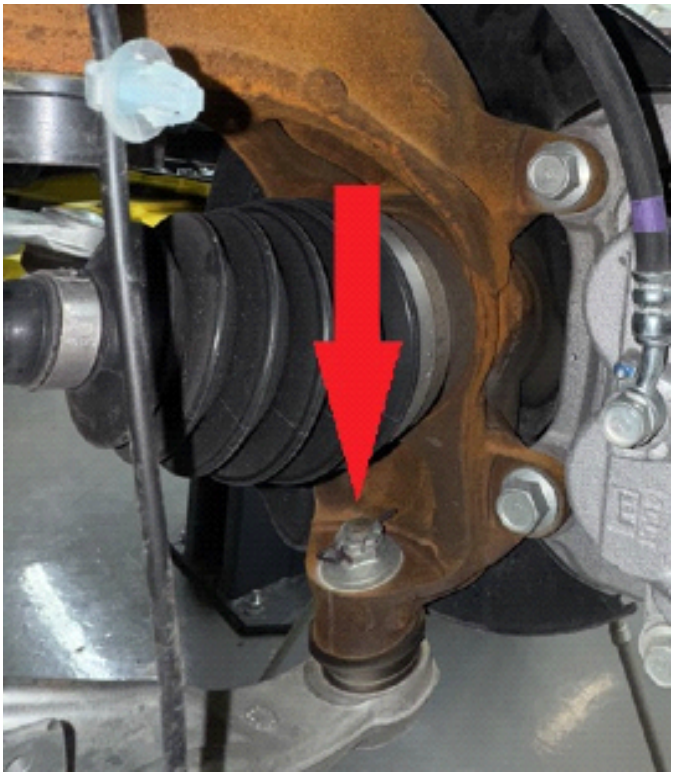
Step 6. Remove brake caliper (never loosen the brake line hoses) and use a length of wire or string to hold it up and out of the way.



Step 7. Remove OEM sway bar links.



Step 8. Remove lower ball joint cotter pin and nut.



Step 9. Using a large pry bar, have a helper pull down on the lower control arm while striking the lower arm as hard as necessary to unseat lower ball joint from bottom of knuckle.

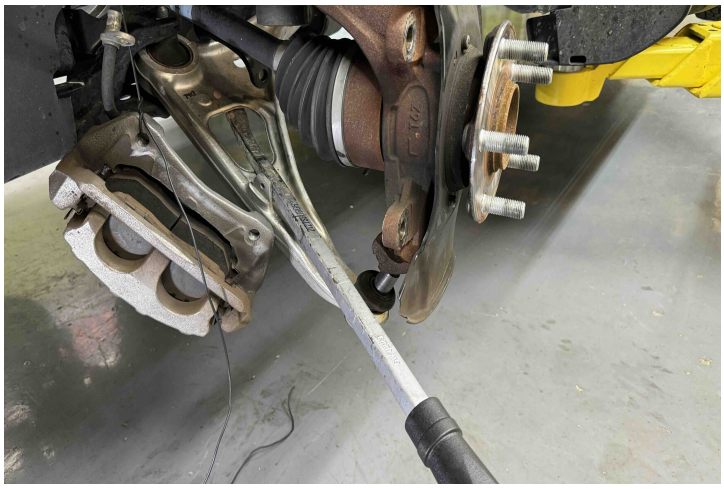
Step 10. Remove plastic access panels under hood to reach driver side front upper strut mount.

Step 11. Remove nuts holding strut to body, have a helper remove the strut and knuckle assembly as one piece.

Step 12. Install lift spacers onto top of struts using OEM nuts. (image may vary from actual part)

Step 14. Reinstall front strut and knuckle in reverse order. Use M10 nuts to secure strut to body. Torque upper mounting nuts to 25 ft-lb.

Step 15. 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 16. Reinstall axle nut, torque to 242 ft-lb.

Step 17. Install new sway bar end link using supplied hardware. Torque sway bar nuts to 56 ft-lb.

Step 18. Reinstall brake rotor and caliper. Tighten brake caliper bolts to 80 ft-lb

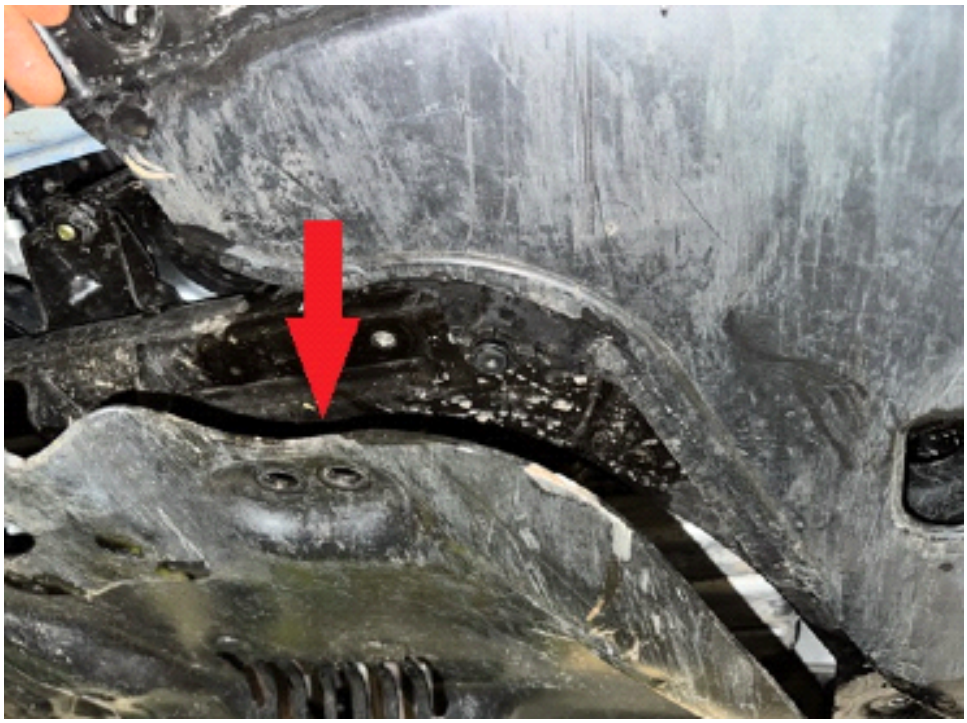
Step 19. Reinstall tie rod end. Do not forget cotter pin!

Step 20. Install brake line relocation bracket on brake line mount, install brake line as shown.

Step 21. Be sure to reconnect ABS wiring.

Step 22. Repeat installation process for passenger side.

Step 23. Remove OEM skid plate (Trailsport only) or plastic splash shield (non-trailsport).

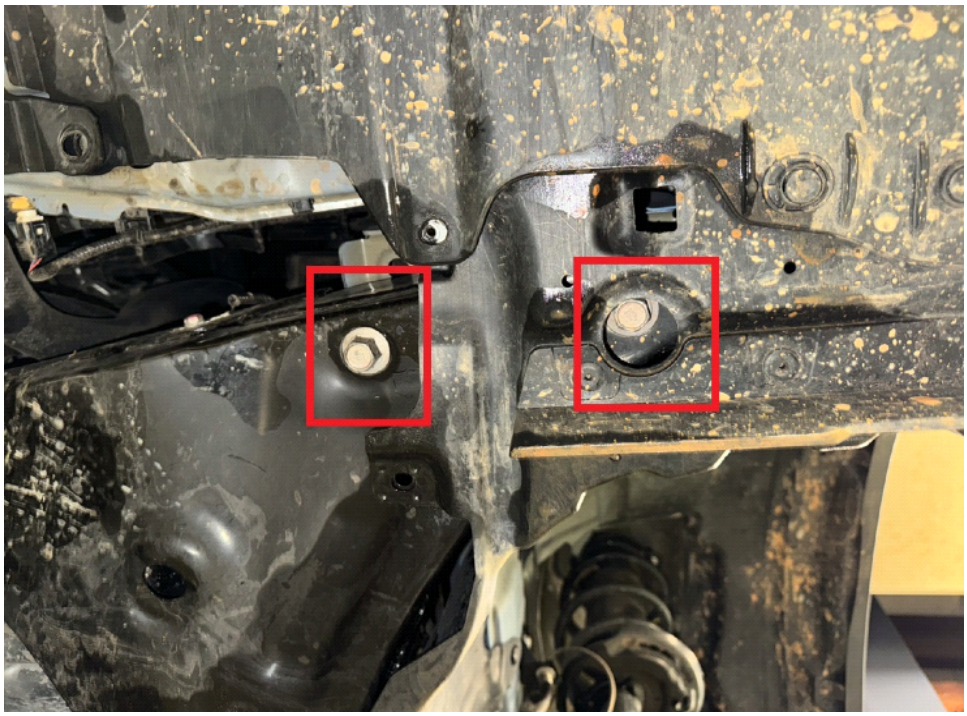


Step 24. Remove rear-most subframe bolt on driver side. Subframe will drop approximately 1/2 inch.

Step 25. Place 1/4" subframe spacer between subframe and body, then reinstall bolt. Repeat this step for passenger side. Do not remove both bolts at once!

Step 26. Remove 2 main subframe bolts at front driver side corner of the subframe.

Step 27. Place 2 1/4 inch subframe spacers between subframe and body, then reinstall bolts. Repeat this step for passenger side.



Step 28. Reinstall OEM skid plate or splash shield.

Step 29. Double check all bolts. Torque all main subframe bolts to 135 ft. lb.

Step 30. Inspect and adjust brake dust shields to be sure that they do not rub on brake rotors.

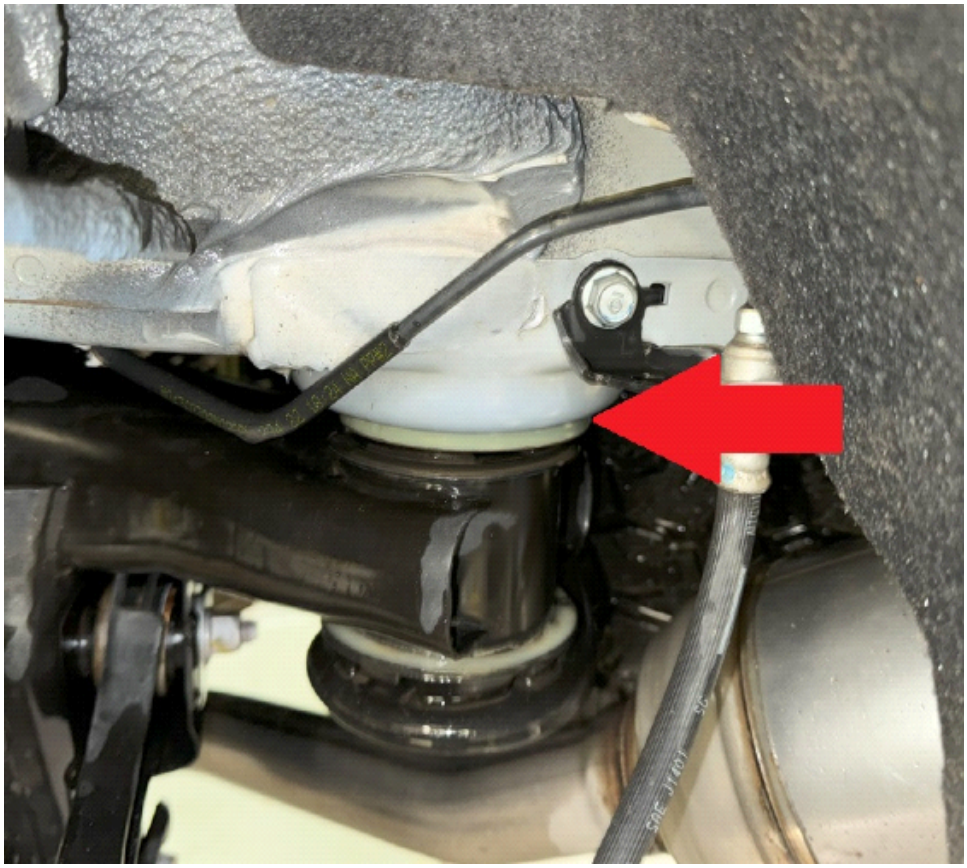
Step 31. Reinstall wheels and lower vehicle.

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.

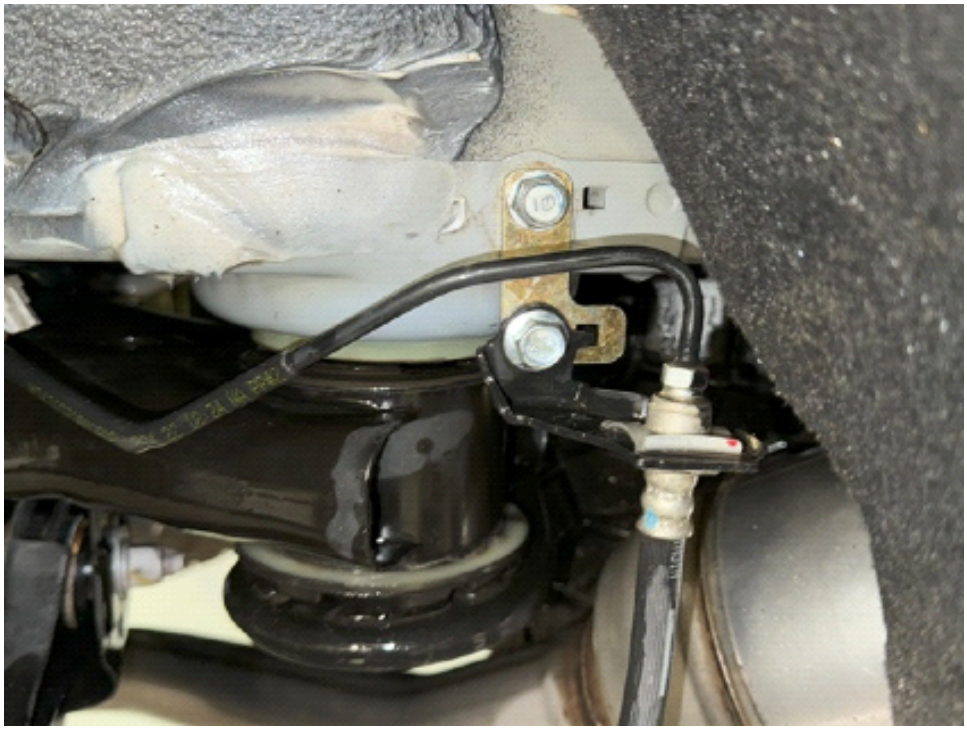
Step 3. Place 4 "Pacman" spacers between rear subframe and body, one at each bolt.



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

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

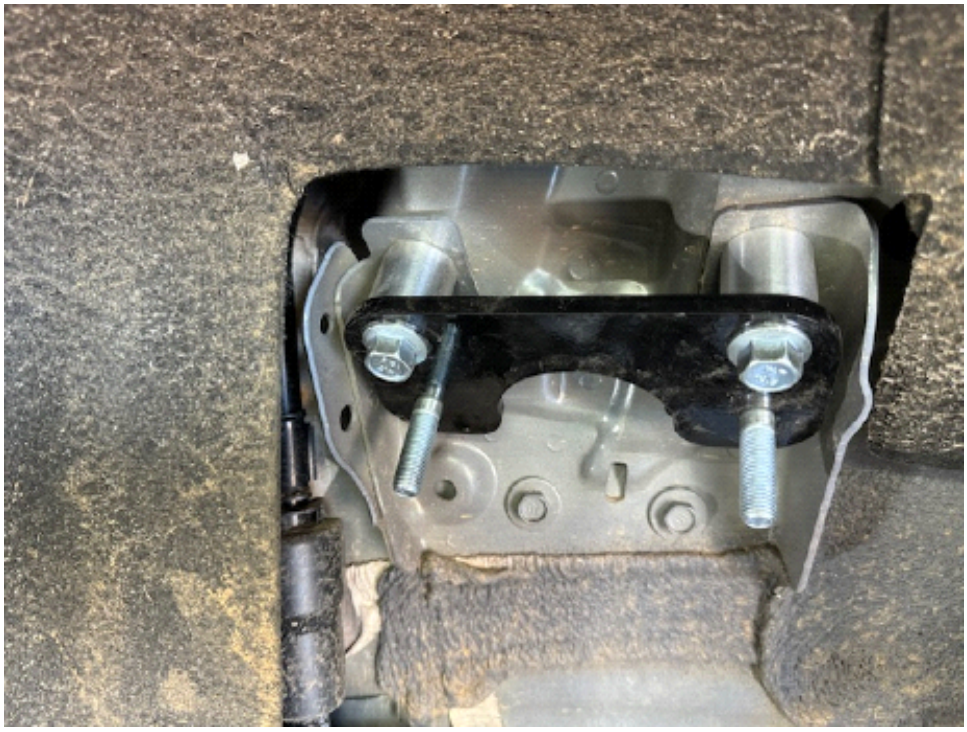
Step 6. Install rear brake line bracket as shown:



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

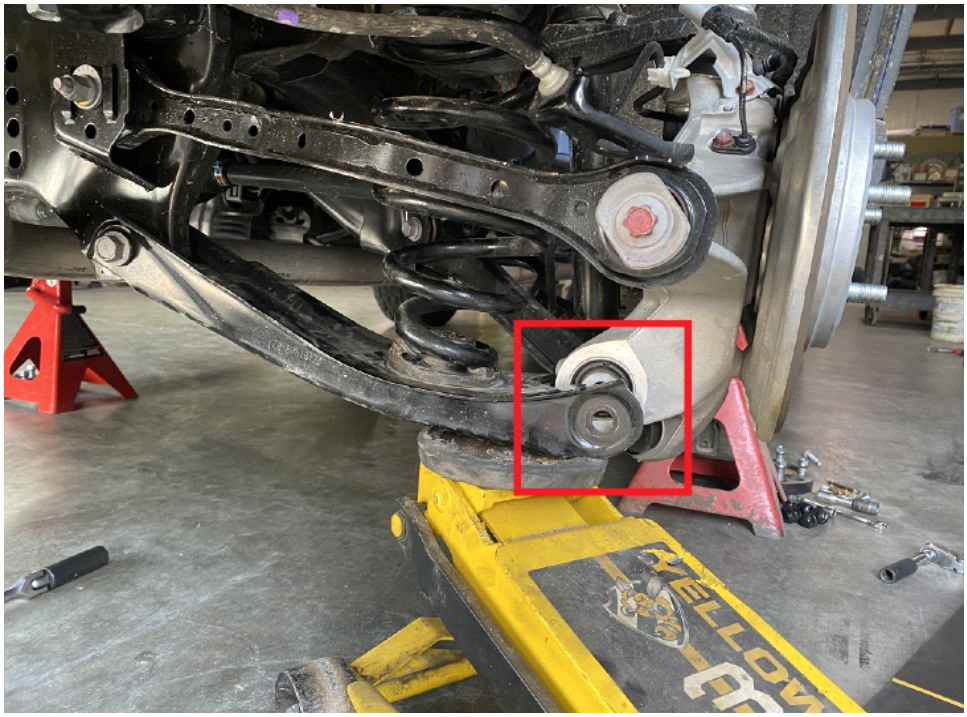
Step 8. Remove 2 bolts holding shock absorber to inner fender.

Step 9. Place 2 1x1 M10 spacers between shock bracket and body, attach assembly to inner fender as shown:



Step 10. Bolt shock to shock bracket using hardware provided in the kit. Tighten bolts to 35 ft-lb.

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. (image may vary from actual part)

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 installation process 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.

Step 21. Find some trails!

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 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.

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