



2009-2013 1.5" 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.

Included in the kit:

- 2 1.5" (38mm) offset lift spacers (front) 5659
- 2 1.5" (38mm) lift spacers (rear) 5663
- 6 M8 nuts (front)
- 4 M10 nuts (rear)
- 4 2.75x1 M14 "puck" spacers (rear subframe)
- 4 1x1 M10 spacers (rear subframe brackets)
- 4 M14x180 bolts (rear subframe)
- 4 M10x50 bolts (rear subframe brackets)
- 2 0.75x1 M8 spacers (parking brake cables)
- 2 M8x40 bolt (parking brake cables)
- 2 brake line brackets (rear brake lines)
- 2 m8x16 bolts
- 2 m8 nuts
- 3 extended muffler hangers

Tools required:

Floor Jack, lug wrench, metric socket set up to 21mm, metric wrench set up to 18mm, common pliers, torque wrench, paint pen.

Approximate installation time: 2-4 hours

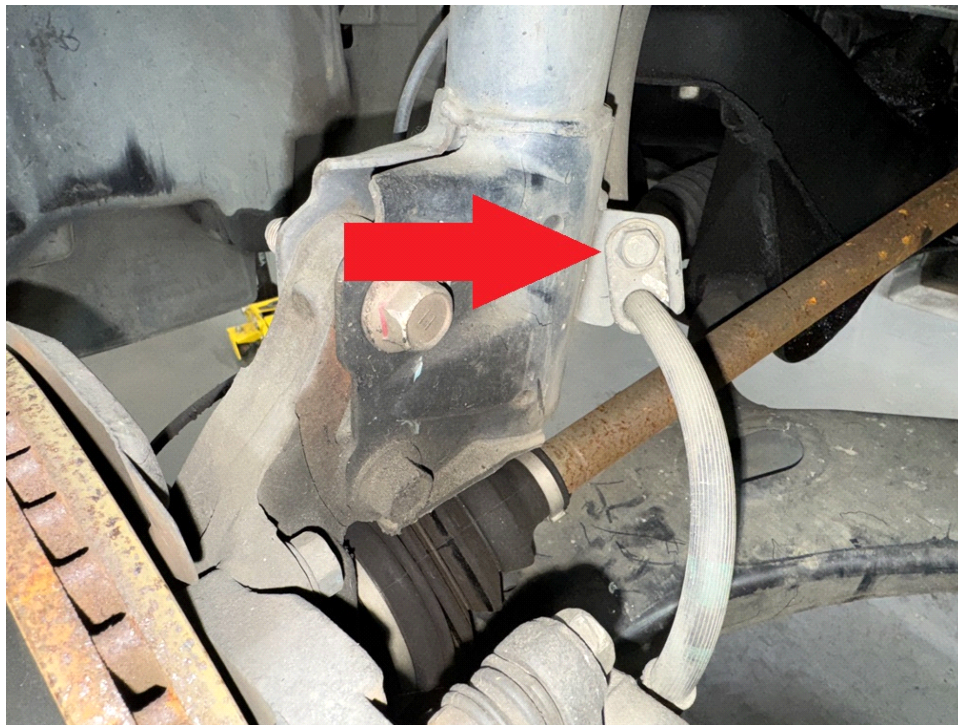
Front installation:

TIP: installation is made easier by disassembling suspension on both sides before installing spacers. Disconnecting the sway bars during the installation may be necessary.

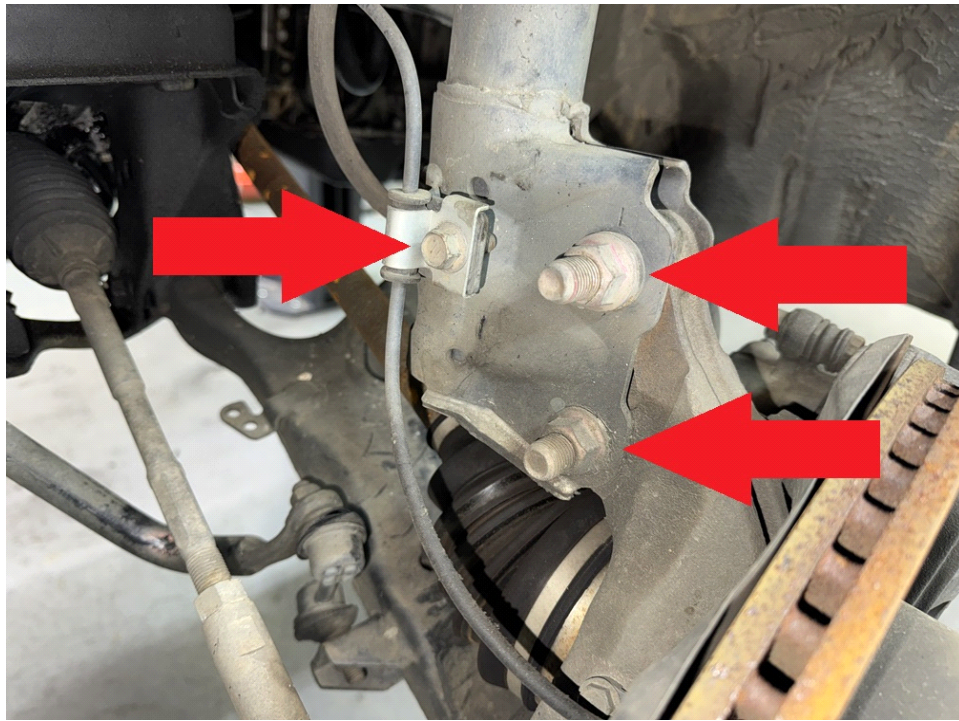
Step 1. Lift vehicle and support with jack stands.

Step 2. Remove wheels.

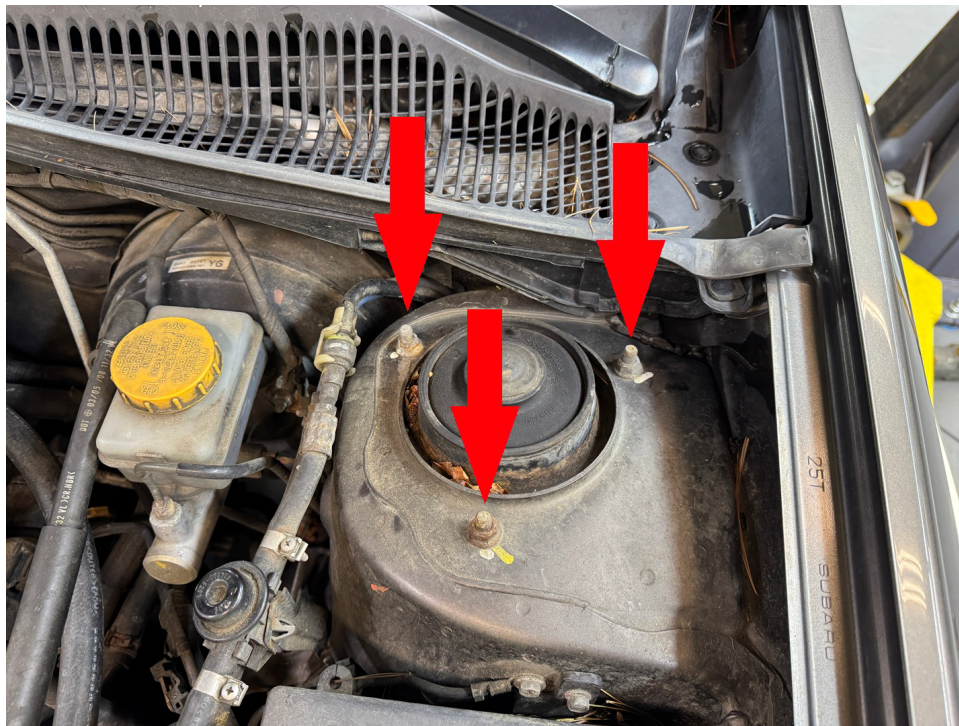
Step 3. Remove bolts holding the brake line and ABS wiring to the driver side strut.



Step 4. Remove 2 main bolts in bottom of strut.



Step 5. Remove 3 M8 nuts from strut top to allow strut to drop out. Remove strut. (save hardware).



Step 6. Repeat steps 3-5 for passenger side. Disassembling both sides will allow the suspension to drop down without removing the sway bar links.

Step 7. Mount driver side spacer to strut using M8 nuts provided in the kit.



Step 8. Reinstall strut/spacer assembly and mount to vehicle using original hardware saved from step 5. Torque nuts to 30 ft-lb.



Step 9. Bolt ABS and brake lines back to strut.

Step 10. Lift the lower arm and brake assembly until the main strut bolts line up.

Step 11. Reinstall lower strut mounting bolt in bottom hole, install camber bolt in TOP HOLE. Turn camber bolt to provide maximum negative camber (wheel tilted inward at the top) Note: Alignment technician will make final adjustments.

Step 12. Torque lower strut mounting bolts to 95 ft-lb.

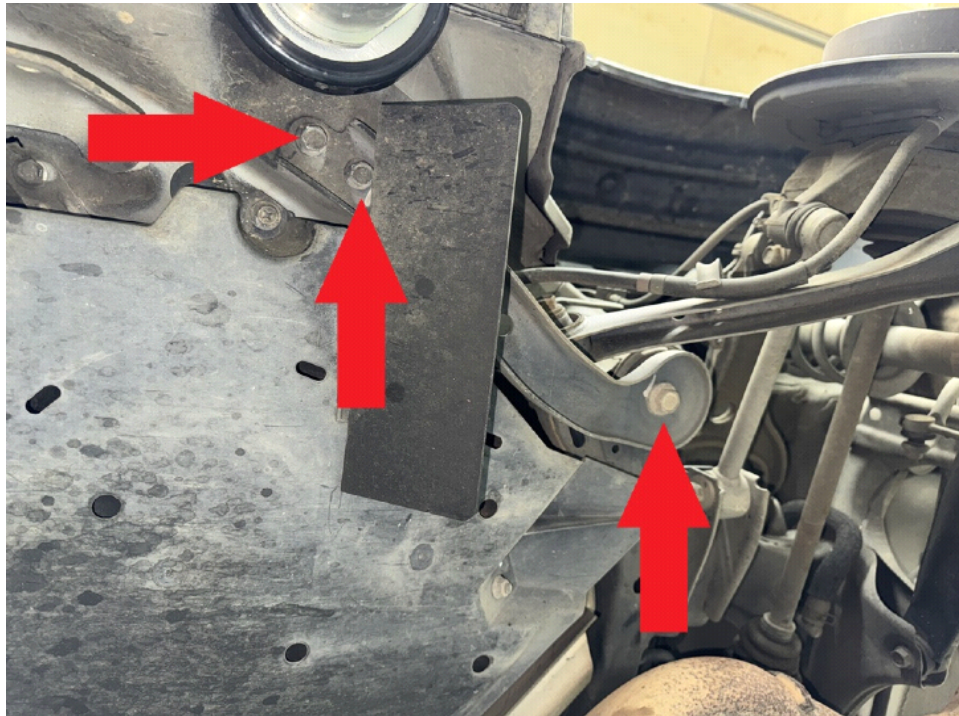
Step 13. Double check ALL bolts, especially sway bar end link bolts. Loose sway bar link bolts will cause rattling noise.

Rear Installation:

Step 1. Lift vehicle and support with jack stands.

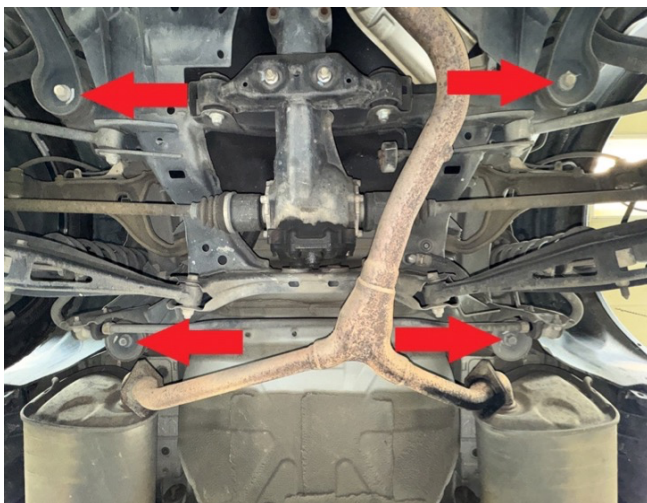
Step 2. Remove wheels.

Step 3. Remove 2 14mm bolts holding driver side subframe stiffener bracket to body (see photo)



Step 4. Repeat step 3 for passenger side

Step 5. Loosen all 4 but remove ONLY 2 main subframe bolts, allowing the rear subframe to drop down just over an inch.



Step 6. Place 2 2.75x1 M14 subframe spacer "pucks" between subframe and body, install 2 M14x180 bolts.



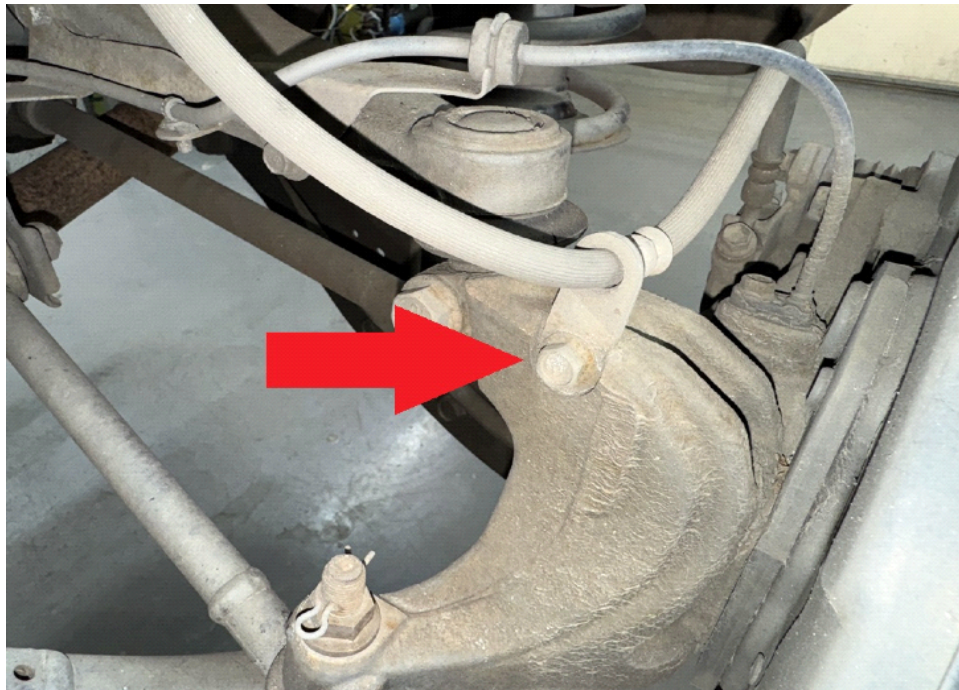
Step 7. Remove remaining 2 main subframe bolts, install pucks, install remaining 2 M14x180 bolts.

Step 8. Install 2 1x1 M10 spacers and M10x50 bolts between stiffener bracket and body. (see photo below) (repeat for opposite side)

Step 9. Install 1 0.75x1 M8 spacers and M8x40 bolts between parking brake cable and body (see photo) (repeat for opposite side)



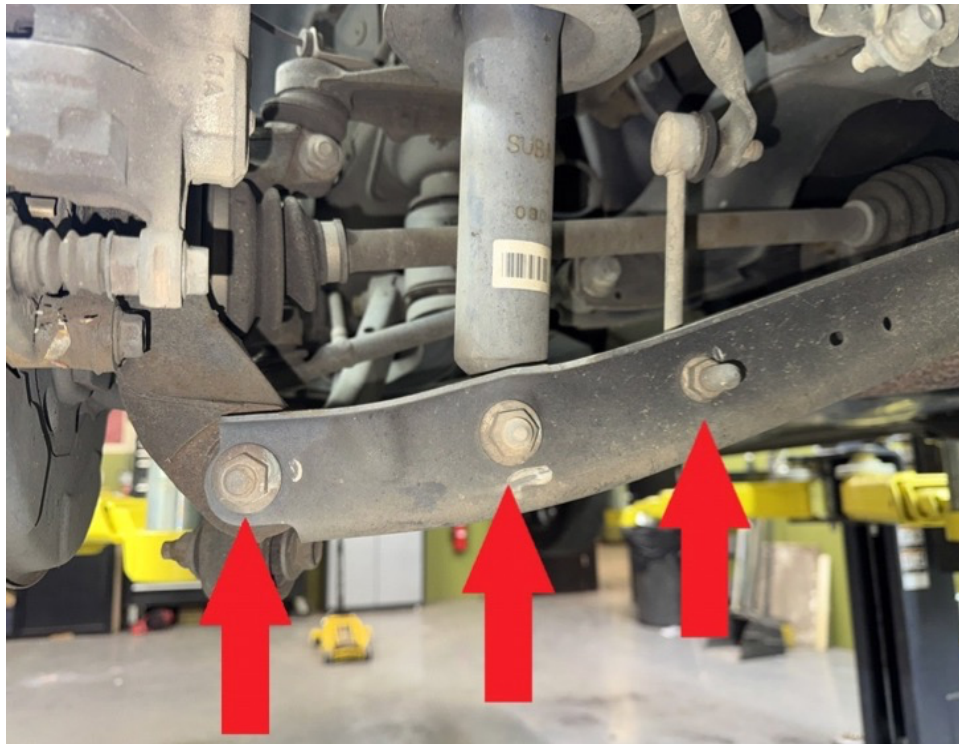
Step 10. Remove brake line from hub to prevent tension on the hose while lowering wheel hub.



Step 11. Install rear brake line extension bracket in factory brake line mounting location. Mount brake line as shown:



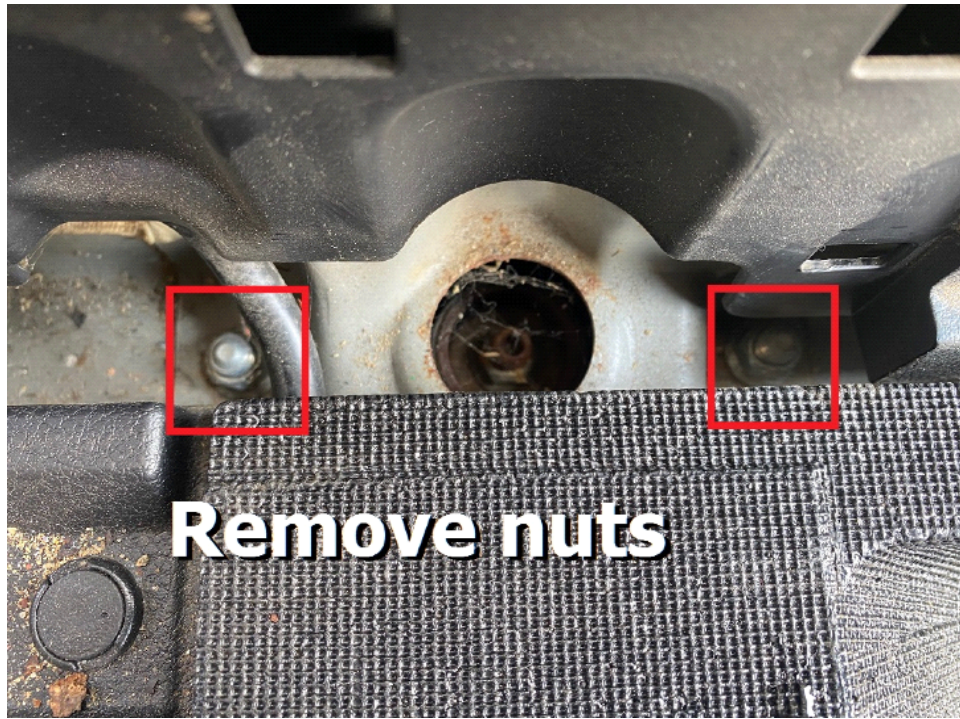
Step 12. Remove bolts holding sway bar link, rear strut, and wheel hub to driver side lower control arm. (see photo)



Step 13. Remove plastic panels to gain access to rear strut bolts.



Step 14. Remove 2 nuts holding rear strut to vehicle. Remove strut. (Save hardware)



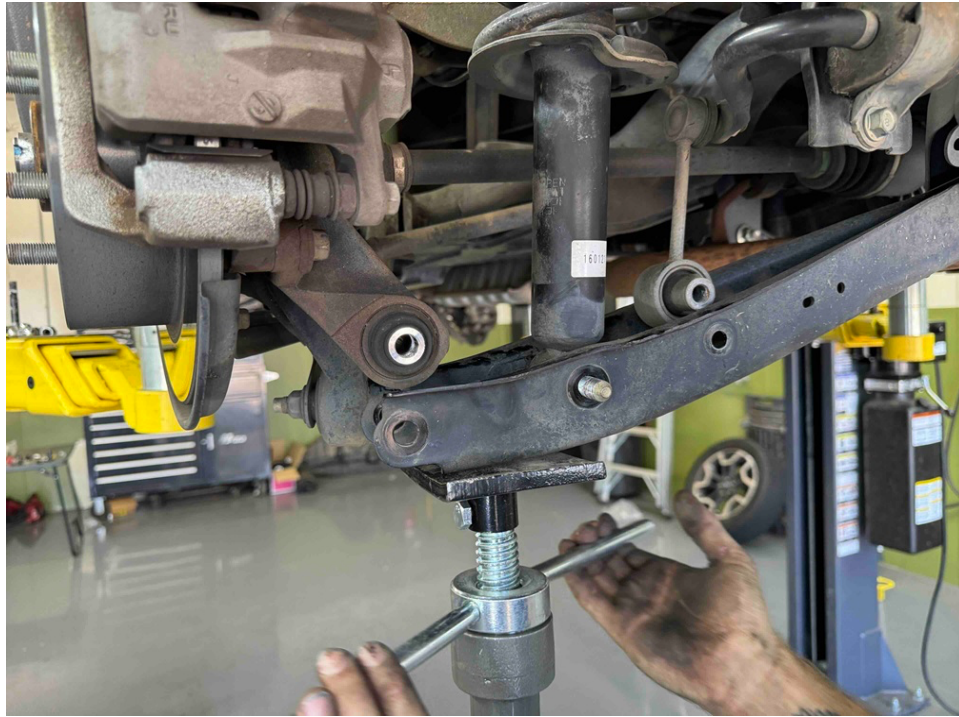
Step 15. Mount the spacer to the strut using the nuts provided in the kit.



Step 16. Lift strut back into vehicle and install the strut assembly using the OEM nuts.

Step 17. Using a floor jack, lift the lower control arm until the rear strut lines up in the mounting hole, install mounting bolt.

Step 18. Lift the lower control arm until the rear wheel hub bolt holes line up with the holes on the lower control arm. Install mounting bolt.



Step 19. Repeat installation process for passenger side.

Step 20. Reconnect driver and passenger side rear sway bar links.

Step 21. Install extended muffler hangers in place of OEM as needed.



Step 22. Referring to factory service manual, torque all bolts to spec.

Step 23. Reinstall wheels.

Step 24. Get a professional alignment.

Step 25. Find some trails!

Note: Installing lift spacers 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!!

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