



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 Off-road 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/wheel sizes:

Stock:	145/80R12 (21.1")
+.5"	155/70R13 (21.5")
+1"	175/65R13 (22")
+1"	185/55R14 (22")

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" (38mm) offset lift spacers (1 Left 1 Right) 5170
- 2 Rear Spring shackles 5171
- 6 M8 nuts (front spacers)
- 4 M10x90 bolts (rear shackles)
- 4 M10 bolt sleeves (rear shackles)
- 4 M10 nuts (rear shackles)
- 4 1.5x0.75 M8 spacers (rear shock extensions)

4 M8x60 bolts (rear shock extensions)

2 Brake line relocation brackets

2 M8x16 bolts

2 M8 nuts

Approximate installation time: 1.5-2 hours

Skill level: EASY

Front installation:

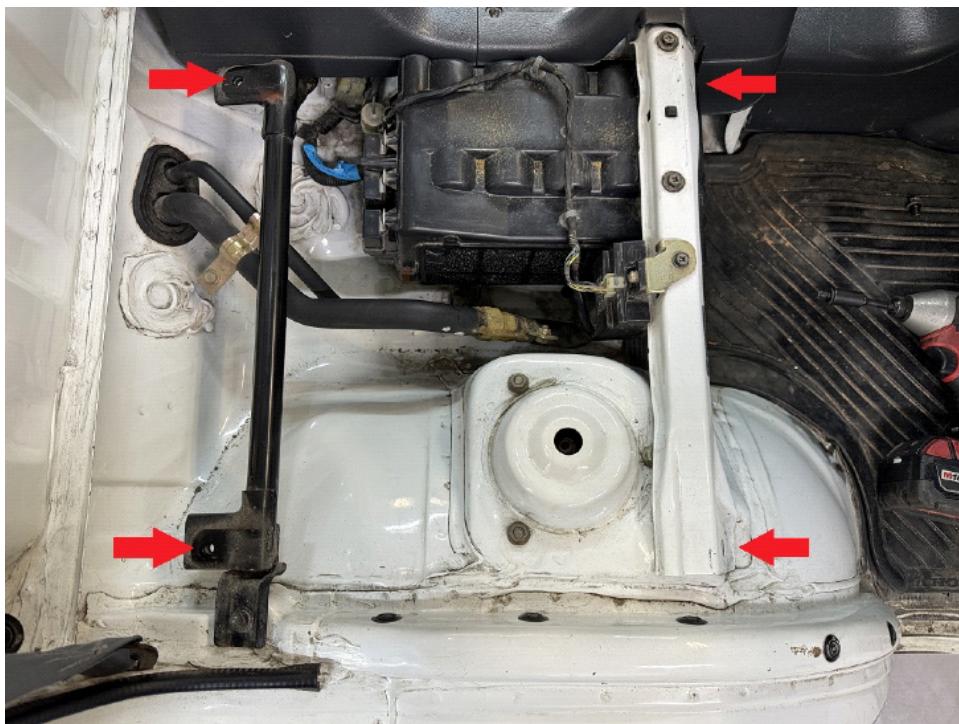
Parts required: 2 front spacers, 6 nuts

Tools required: Floor jack, Impact gun, 32mm socket, 3/8" ratchet, 14mm socket, 12mm socket, 14mm wrenches, heavy hammer, torque wrench.

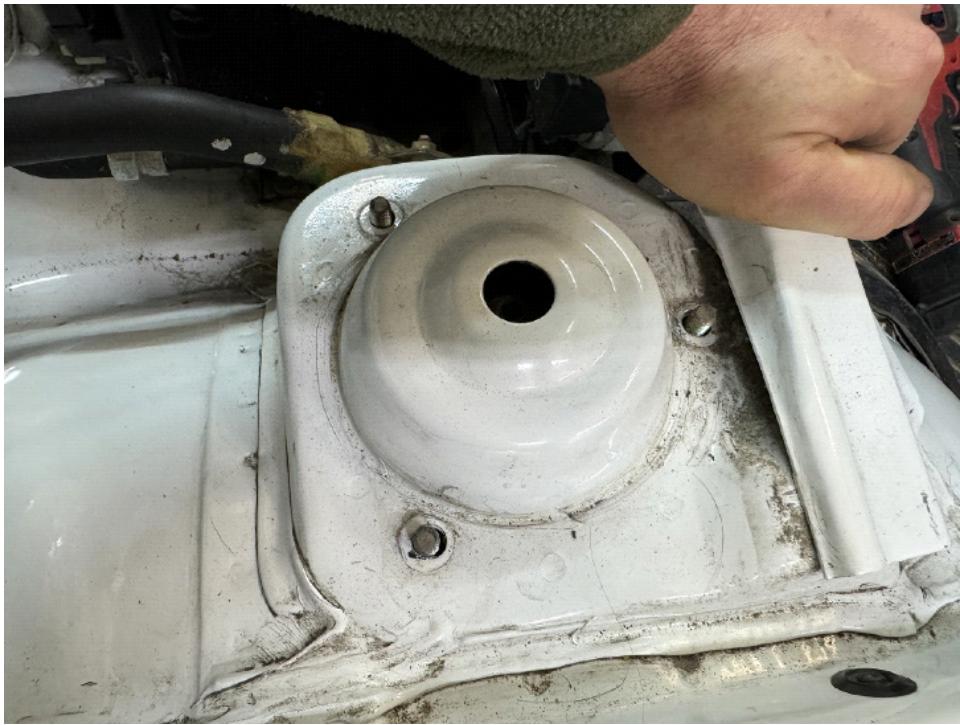
Step 1. Remove 2 12mm bolts on front of driver side (RIGHT) seat track.

Step 2. Slide driver side (RIGHT) seat all the way forward, exposing remaining 2 12mm bolts holding the rear of the seat track in place.

Step 3. Remove driver seat



Step 4. Push seat support bar forward to allow access to the strut mounting bolts.



Step 5. Loosen all 3 nuts holding the strut to the shock tower, remove 2 and leave one nut on to hold the strut in place until ready to remove in a later step.

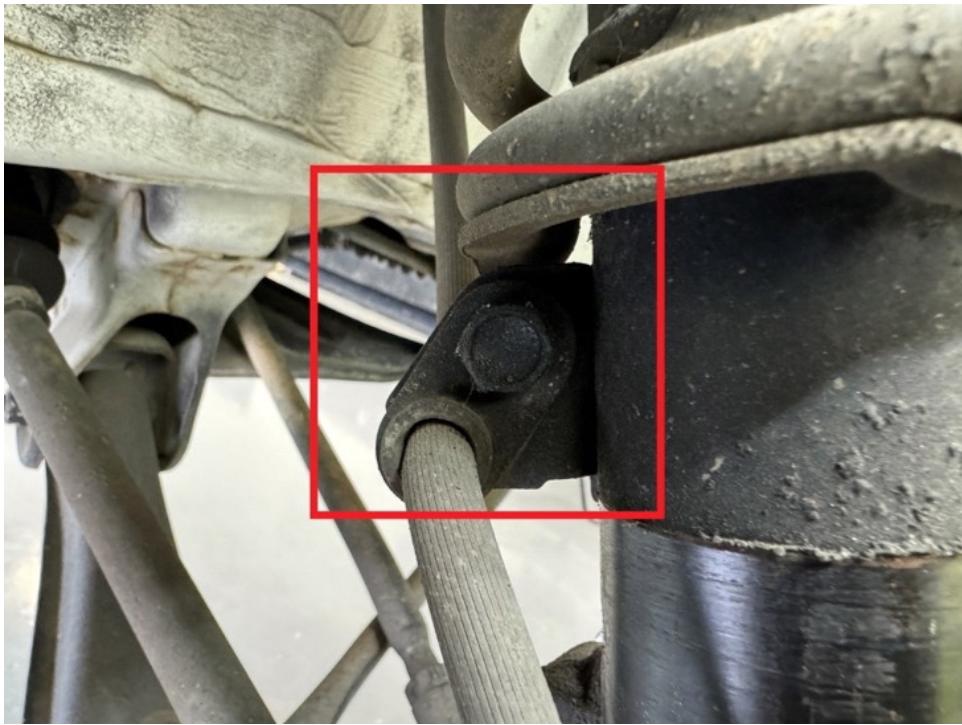
Step 6. Lift passenger side (LEFT) seat bottom up by lifting the front of the cushion.

Step 7. Loosen all 3 bolts holding the strut to the shock tower, remove 2 and leave one bolt to hold the strut in place until ready to remove in a later step.

Step 8. Lift vehicle and support with jack stands.

Step 9. Remove front wheels.

Step 10. Remove 12mm bolt holding brake lines to driver side (RIGHT) strut.



Step 11. Remove 32mm axle nut, allowing axle to slide free from knuckle. Be sure the axle is not stuck in the knuckle for the next step. This may require hitting the end of the axle with a heavy hammer. BE CAREFUL NOT TO MUSHROOM THE END OF THE AXLE!



Step 12. Remove 14mm bolt holding strut to knuckle, pull axle out of knuckle so that it does not get damaged.



Step 13. Remove driver side strut.

Step 14. Attach spacer to strut using hardware provided in the kit. (See photo)



Step 15. Using a pair of snips, create a notch in the seat support bracket to allow clearance for the strut mounting bolt as shown in photo.



Step 16. Slide strut back into place with the "R" (DRIVER SIDE) as shown in photo and install the original 12mm nuts. The flat edge of the spacer goes toward the back of the vehicle. torque strut mounting nuts to 25 ft-lb.



Step 17. Push the strut back into the knuckle and re-install the 14mm bolt. Torque to 52 ft-lb.

Step 18. Re-install main axle nut. Torque to 136 ft-lb.

Step 19. Install 1" brake line bracket using OEM hardware, attach brake line to new bracket using hardware provided in the kit.



Step 20. Repeat steps 10-19 for passenger (LEFT) side.

Step 21. Reinstall driver seat.

Step 22. Reinstall wheels.

Rear Installation:

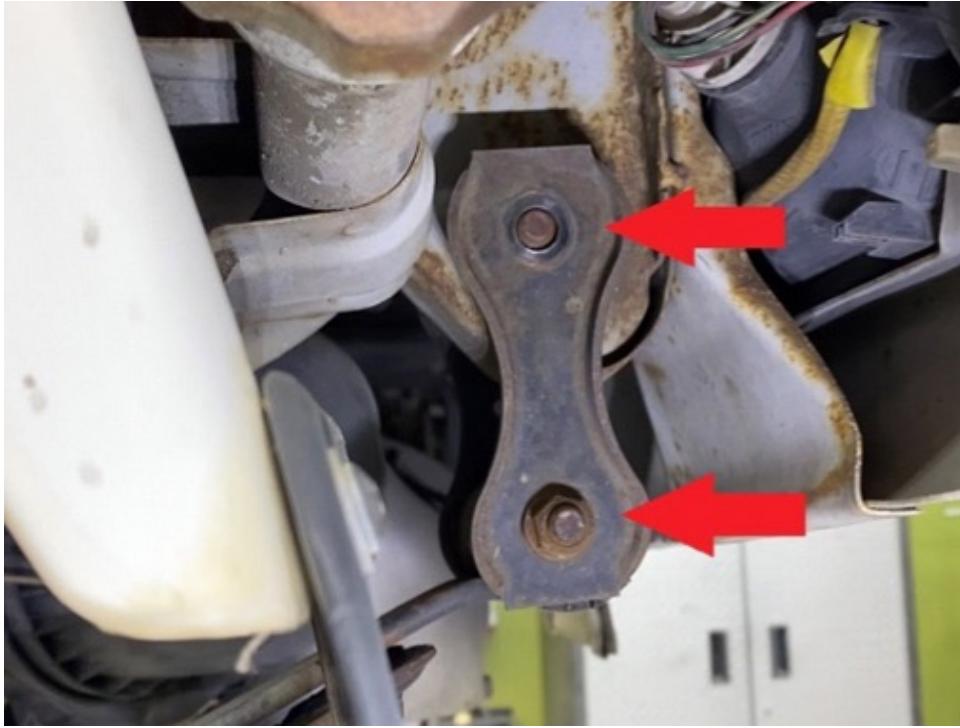
Parts required: 2 extended shackles, 4 M10x90 bolts, 4 M10 nuts, 4 M10x60 bolts, 4 bolt sleeves. 4 1x1 M10 spacers,

Step 1. Lift vehicle and support with jack stands.

Step 2. Remove rear wheels.

Step 3. Support rear axle beam with floor jack.

Step 4. Remove 14mm nuts holding driver side (RIGHT) spring shackle in place, slide OEM shackle out of rubber bushings.



Step 5. Lower rear axle beam about 3 inches, taking care not to lower more than that to protect rear brake line.

Step 6. Slide 2 M10 bolt sleeves through OEM rubber bushings.

Step 7. Push new extended spring shackle over rubber bushings and align bolt holes.

Step 8. Install 2 M10x90 bolts through shackles and bolt sleeves, secure with 2 M10 nuts as shown. Torque bolts to 35 ft-lb.



Step 9. Remove 2 12mm bolts holding driver side (RIGHT) shock absorber to body. Step 10. Place 2 1.5" long x 0.75" diameter aluminum spacers between shock absorber and body, secure in place with 2 M8x60 bolts. Torque to 25 ft-lb.



Step 11. Repeat steps 4-10 for passenger side (LEFT).

Step 12. Get a professional alignment. Hunter brand alignment machines will have specs for Honda Acty.

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 EST Mon-Fri or email us 24/7 at support@hrgoffroad.com.

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