2007-2013 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/wheel sizes:
Stock: 245/65/17 or 245/60/18 (29.5")
17" wheels
255/65/17 (30.0")
245/70/17 (30.4")
265/65/17 (30.5")
255/70/17 (31.0")

265/70/17 (31.5")

18" wheels
245/65/18 (30.5")
255/65/18 (31.0")
265/65/18 (31.5")
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
2 1.0" rear lift spacers 5301
6 M10 nuts
2 Sway bar end links
2 Camber adjustment bolts (optional)

Tools required:

Floor jack, lug wrench, metric socket set to 21mm, metric wrench set to 19mm, impact wrench, pliers, heavy hammer, screwdriver, torque wrench and paint pen.

Approximate installation time: 2-3 hours.

Front installation:

Step 1. Remove plastic access panels under hood to reach upper strut mounts.

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

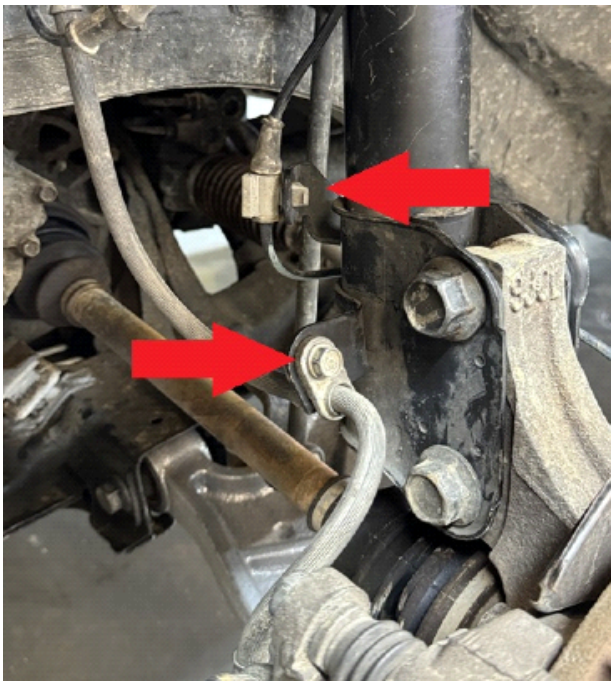
Step 3. Jack up vehicle and support with jack stands.

Step 4. Remove wheels.

TIP: Installation is made easier by disassembling both left and right side suspension at the same time.

Step 5. Remove ABS wiring.

Step 6. Remove bolt holding brake hoses to strut.



Step 7. Remove and discard sway bar links on BOTH DRIVER AND PASSENGER SIDE.

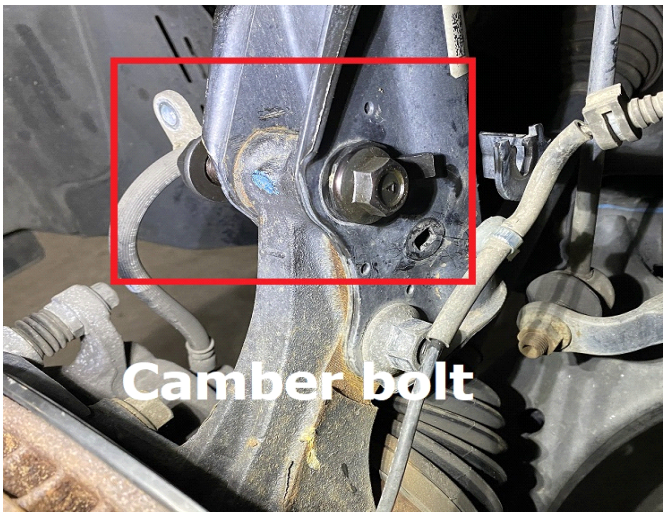
Step 8. Remove bolts connecting strut to hub (see diagram) Save hardware for reinstallation. If installing camber adjustment bolts, only one original bolt from each side will be reused. (see diagram included with camber bolts)

Step 9. Using a length of wire, or large zip ties, secure wheel hub so as to prevent axle shaft from slipping out of inner joint while removing the strut.

Step 10. Remove strut and install spacer onto strut using original hardware.

Step 11. Reinstall strut, using supplied hardware to bolt strut to body. Tighten mounting nuts to 33 ft-lb. This process is made easier by pulling up the plastic cowl cover.

Step 12. Install bolts holding strut to hub. Torque nuts to 135 ft-lb. Install camber adjustment bolt in place of top strut mounting bolt. Refer to instruction sheet included with camber bolts. (See photo)



Step 13. Install new sway bar end link. (Sway bar links **will not** line up with sway bar until both left and right side is lifted.) Torque sway bar end link nuts to 85 ft-lb

Step 14. Reattach ABS wire and install brake line bracket. Torque to 24 ft-lb. (see photo)

Step 15. Repeat installation process for passenger side.

Step 16. Double check all bolts.

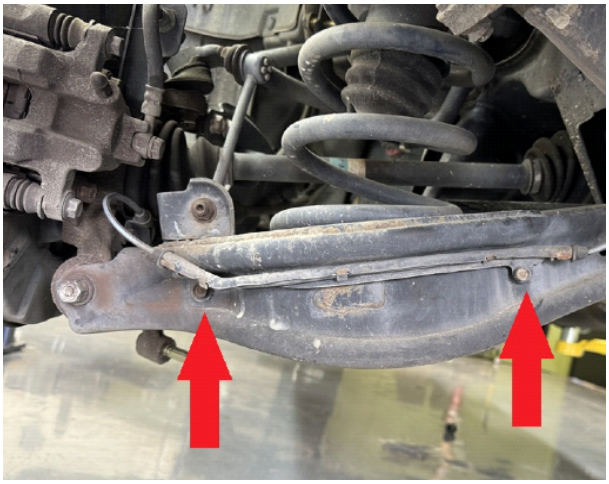
Step 17. Reinstall wheels and lower vehicle

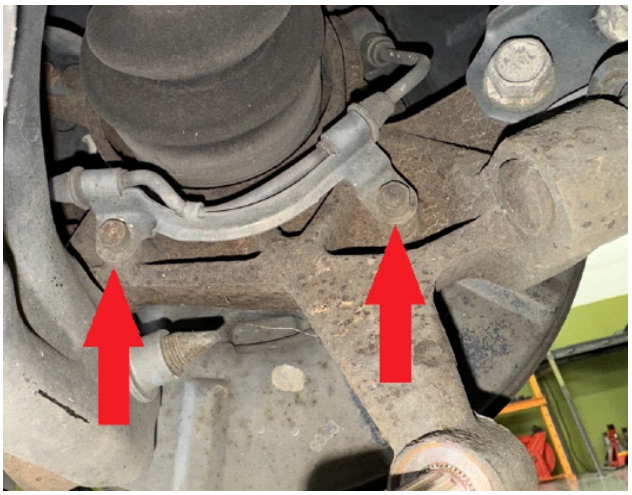
Rear installation:

Step 1. Remove bolt holding driver side upper control arm to subframe.

Step 2. Remove cotter pin and nut holding upper control arm to hub. Strike with heavy hammer to release arm from hub. Remove and discard OEM rear upper control arm.

Step 3. Remove bolts holding ABS wire to rear lower control arm, and hub. Pull ABS wiring clear from the lower control arm.

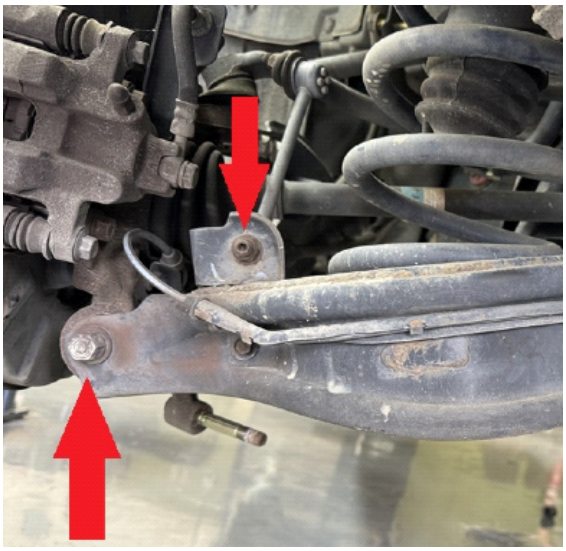




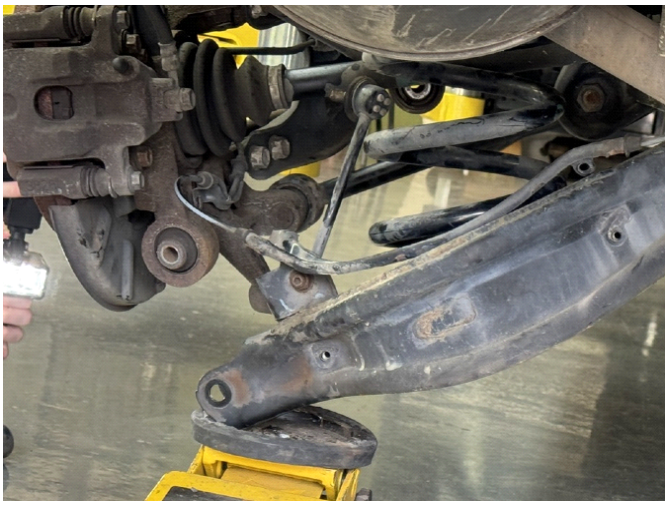
Step 4. Support rear lower control arm with floor jack. (Under the spring)

Step 5. Remove bolt holding sway bar end link.

Step 6. Remove bolt holding lower control arm to hub, loosen bolt holding lower control arm to subframe, do not remove bolt.



Step 7. Use the floor jack to release pressure on the spring.



Step 8. Remove spring and rubber isolator.

Step 9. Install spacer on the top of the spring, between the spring and the spring seat. Re-use rubber spring isolator. Be sure to align spring so that the end of the coil meets up with the ridge in the rubber isolator. (See photo)

Step 10. Using a floor jack, compress spring by lifting on the lower arm until the lower control arm can be reinstalled. Use a screwdriver to position the hub so that the bolt holes line up. (see photo) Leave these bolts loose until vehicle is on the ground in a later step.

Step 11. Adjust rear upper control arm to be slightly longer than the OEM arm and install in reverse order of removal. Do not forget the cotter pin!

Step 12. Reinstall ABS wiring and reconnect sway bar link. Torque sway bar link nuts to 44 ft-lb.

Step 13. Repeat steps 1-12 for passenger side.

Step 14. Reinstall wheels and lower vehicle.

Step 15. Torque all lower control arm bolts to 85 ft-lb.

Step 16. Get a professional alignment. **BE SURE TO INFORM YOUR ALIGNMENT TECHNICIAN THAT YOU HAVE CAMBER ADJUSTERS INSTALLED!!**

Step 17. Find some trails!

Note: Installing lift spacers will change the suspension geometry and will require a 4 wheel alignment, and possibly front/rear camber correction kits.

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.

Some HRG Offroad products are designed to improve off-road capabilities. Modifying the supension 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 usafe 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.

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