



RIDGELINE

2006-2014 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")

18" wheels

245/65/18 (30.5")

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 5329
- 6 M10x25mm grade 10.9 bolts (rear)
- 12 M10 nuts (front)
- 2 Replacement front sway bar links
- 2 17mm camber correction bolts (Optional)

Tools required:

Jack, lug wrench, jack stands, metric socket set to 21 mm, metric wrench set to 21mm, large pry bar, heavy hammer, common pliers, torque wrench.

Front installation:

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

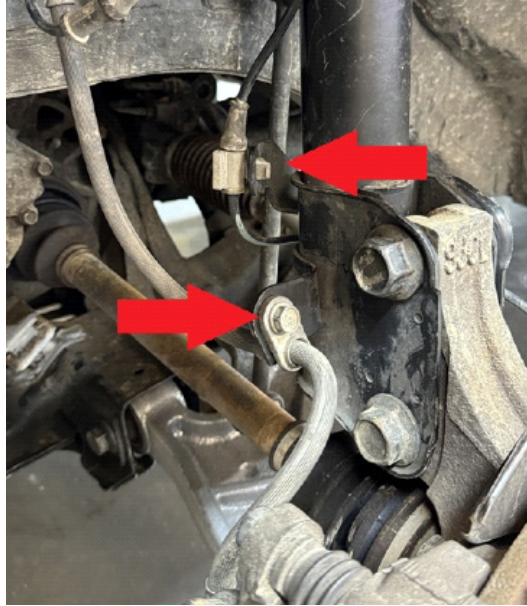


Step 2. Remove nuts holding struts to body, leave one nut on so struts do not fall when lifting vehicle to access bottom bolts.

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

Step 4. Remove wheels.

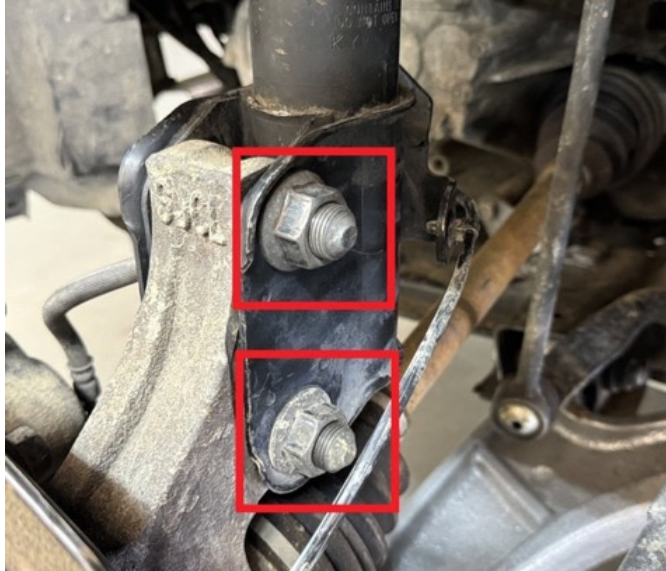
Step 5. Remove brake line and unclip ABS wiring from driver side strut.



Step 6. Remove and discard OEM sway bar links.



Step 7. Remove bolts connecting strut to hub (see photo) Save hardware for reinstallation. If installing camber adjustment bolts, only one original bolt from each side will be reused.



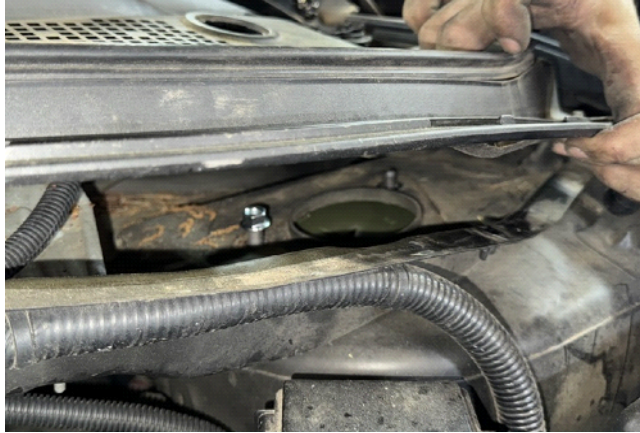
Step 8. Using a length of wire, or large zip ties, secure hub so as to prevent axle shaft from slipping out of inner CV joint.

Step 9. Remove strut.

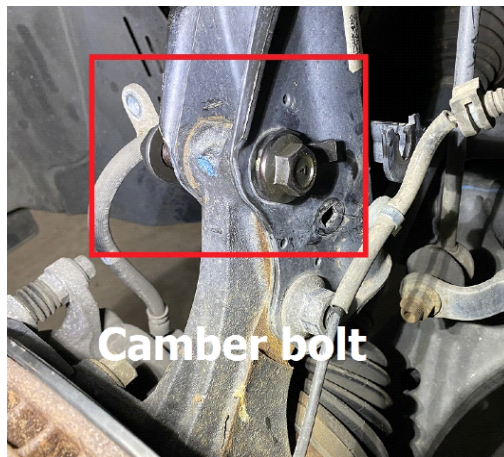
Step 10. Rotate the top of the strut by 90°, install spacer onto strut using original hardware. (see photo)



Step 11. Reinstall strut in reverse order, using supplied hardware to bolt strut to body. Tighten mounting nuts to 33 ft-lb. This process is made easier by pulling up the wiper cover. (See photo below)



Step 12. Install original strut bolt in lower hole, tighten to 110 ft-lb. Install camber adjustment bolt in place of top strut mounting bolt. Refer to camber bolt instructions. (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 are lifted.) Torque sway bar end link nuts to 85 ft-lb

Step 14. Reattach ABS wiring

Step 15. Reattach brake line

Step 16. Repeat installation process for passenger side.

Step 17. Double check all bolts!

Step 18. Reinstall wheels and lower vehicle.

Rear installation:

TIP: Disassemble suspension on both sides before installing spacers.

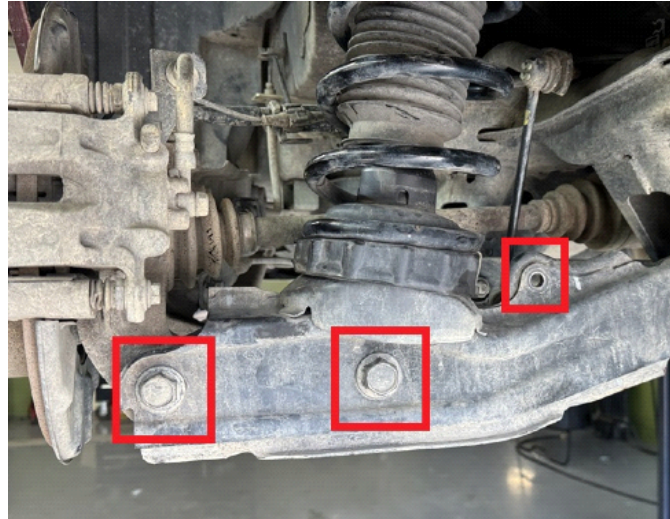
Step 1. Lift vehicle and support with jack stands.

Step 2. Remove wheels.

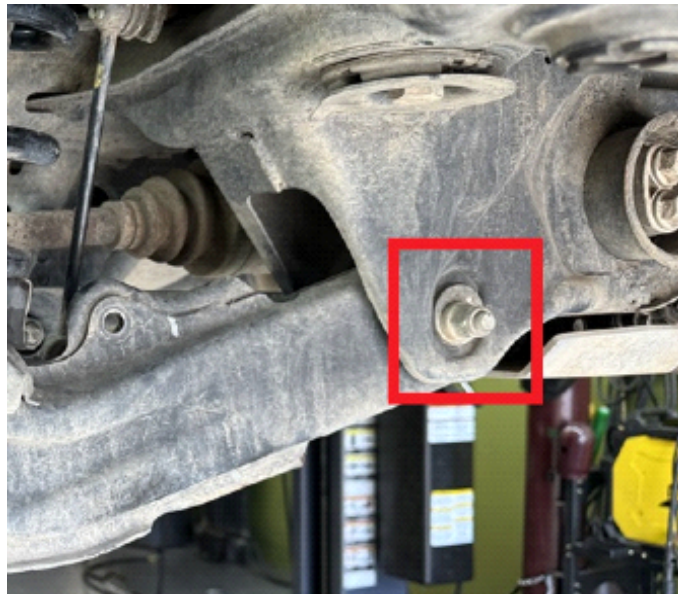
Step 3. Remove bolt holding driver side strut to lower control arm.

Step 4. Remove bolt holding lower control arm to wheel hub.

Step 5. Remove nut holding rear sway bar end link.



Step 6. Loosen but do not remove nut holding lower control arm to subframe to allow arm to drop.



Step 7. Remove 3 bolts holding strut to body and remove strut.



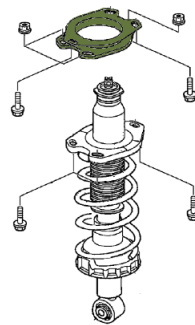
Step 8. Repeat steps 3-7 on passenger side.

Step 9. Attach spacers to struts using provided M10x25mm bolts.

Step 10. **Swap left and right struts.**

Step 11. Re install struts to body using OEM hardware. Tighten bolts to 35 ft-lb.

**2006-2014 HONDA RIDGELINE
REAR STRUT SPACER
INSTALLATION DIAGRAM
(C)HRG ENGINEERING 2020**



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

Step 13. Using a floor jack, lift lower control arm to line up bolt holes.



Step 14. Reinstall bolt holding lower control arm to hub. Tighten bolts to 85 ft-lb.

TIP: do not fully tighten control arm bolts until vehicle is resting on the ground (this will help prolong bushing life)

Step 15. Repeat installation process for passenger side.

Step 16. Reconnect sway bar links. Torque sway bar link nuts to 55 ft-lb.

Step 17. Reinstall wheels and lower vehicle.

Step 18. Double check all bolts.

Step 19. Get a professional alignment.

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!!