



2001-2006 1 inch subframe kit
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:

- 4 2.75x1" M14 spacers (front subframe)
- 4 2.75x1" M14 spacers (rear subframe)
- 4 1.25x1" M14 spacers (rear trailing arms)
- 6 1.25x1" M12 spacers (front subframe stiffener brackets)
- 2 1.25x1" M12 spacers (rear subframe stiffener brackets)
- 2 1x1" M10 spacers (passenger side engine mount)
- 2 1x1" M10 spacers (driveshaft carrier bearing)
- 4 .75x1" M8 spacers (driveshaft safety loops)

4 M14x135mm bolts (rear subframe)
4 M14x90mm bolts (rear trailing arms)
2 M10x50mm bolts (driveshaft carrier bearing)
2 M10x70mm bolts (passenger side engine mount)
6 M12x50mm bolts (front subframe stiffener brackets)
2 M12x50mm bolts (rear subframe stiffener brackets)
4 M8x40mm bolts (driveshaft safety loops)
1 1" foam seal (steering coupler)

Tools required:

Floor jack, lug wrench, metric socket set up to 21mm, metric wrench set up to 19mm, heavy hammer, pliers, impact gun, torque wrench, plastic cutting tool, body saw or large screwdriver,

Note to installer: Some bolts removed to install subframe kit will be replaced with longer bolts. Some OEM hardware will be reused. **Installing this kit requires cutting of plastic splash shield and sheet metal surrounding steering coupler to allow clearance.** Please note this kit is not a suspension lift. It is designed to be used in conjunction with a suspension lift in order to align drivetrain and steering components closer to factory spec. This kit will not work properly with suspension lifted more than 3".

Installation time: Approximately 2-3 hours

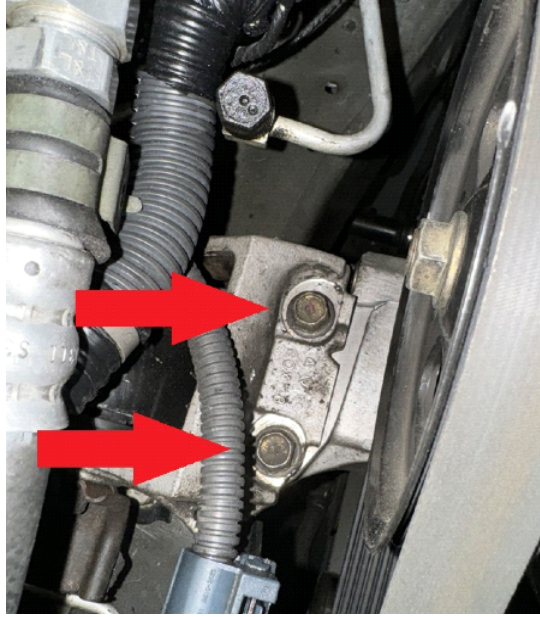
Skill level: Moderate

Front installation:

Step 1. Disconnect negative battery terminal.

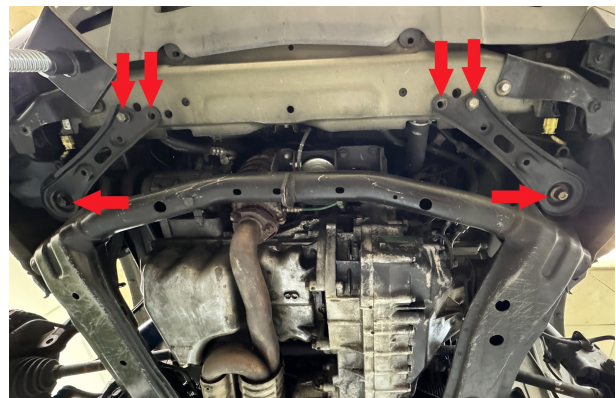
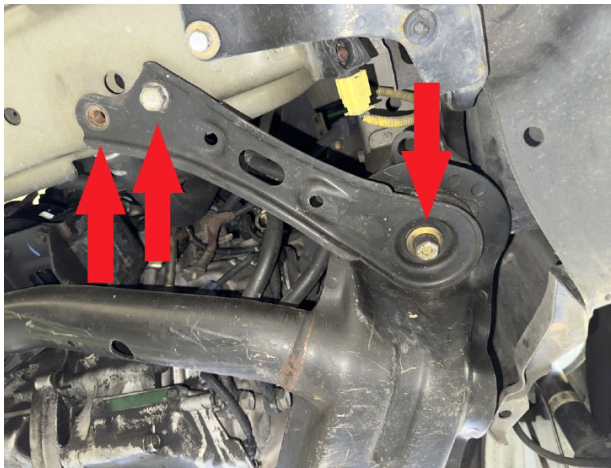
Step 2. Support engine/transmission with floor jack, taking care not to damage oil pan.

Step 3. Remove 2 M10 bolts holding passenger side engine mount to engine bracket.

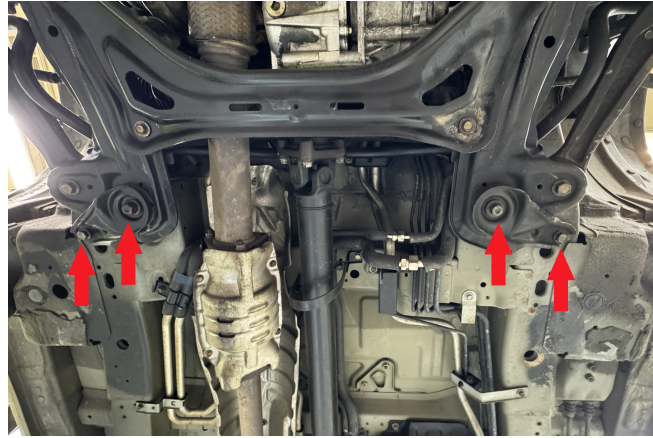
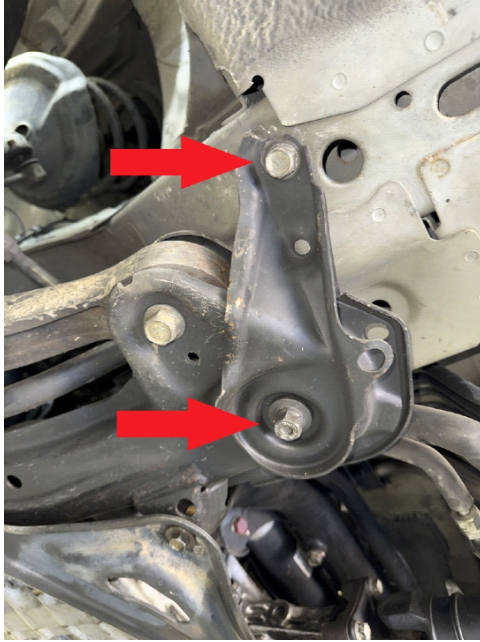


Step 4. Remove lower plastic splash guard under front valence to gain access to front main subframe bolts. Take care not to break plastic retainer clips. Save hardware for re-installation.

Step 5. Remove 4 M12 bolts holding main subframe bolt retainer brackets to body.



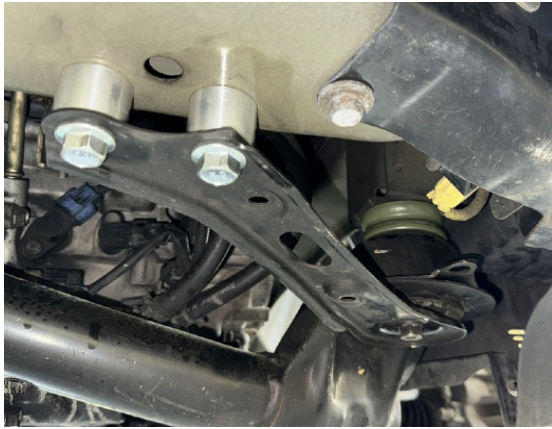
Step 6. Loosen but do not remove 4 M14 main subframe bolts allowing subframe to drop approximately one inch.



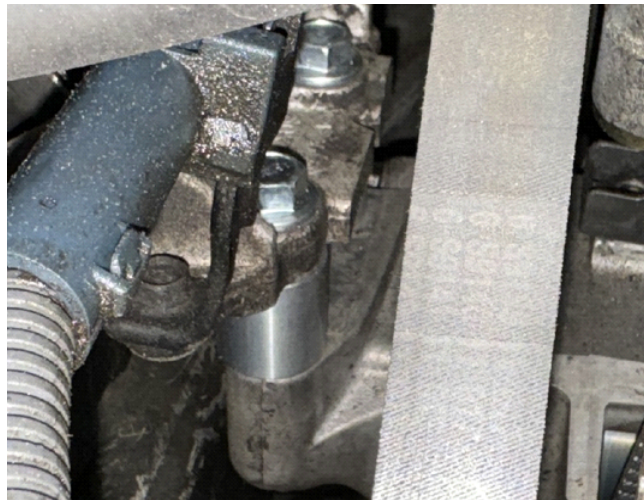
Step 7. Carefully lower engine/subframe with floor jack approximately 1 inch. Remove main subframe bolts one at a time and slip 2.75x1 M14 spacers between subframe and body, replacing bolts with longer ones provided in the kit as you go. This keeps the subframe square and aligned during installation.



Step 8. Install 4 1.25x1 M12 spacers between main subframe bolt retainer brackets and body using supplied M12x50 bolts.



Step 9. Install 2 1x1 M10 spacers between engine mount and engine bracket, using supplied M10x70mm bolts (see photo.)



Step 10. Trim plastic splash shield as necessary to fit with lowered subframe, reinstall using original hardware.

Step 11. Pull driver side inner carpeted kick panel and remove.



Step 12. Under driver dash, remove plastic cover, disconnect light



Step 13. Remove plastic cover over steering column.



Step 14. Using a body saw, trim sheet metal for clearance around steering coupler. This can also be done

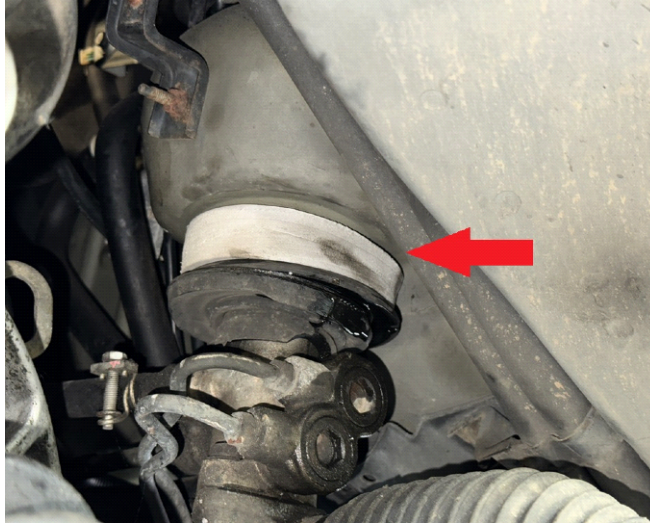
by simply bending the sheet metal back about 1/2 inch around the coupler. Turn steering wheel to verify the coupler has proper clearance.



Step 15. Rotate steering wheel to check for noises. If noise is present, loosen bolts steering "U-joint" coupler, and then re-tighten. (See photo)



Step 16. Install foam weather seal between steering rack and body.



Step 17. Re-install dust cover on steering column, under dash panel, and carpeted kick panel.

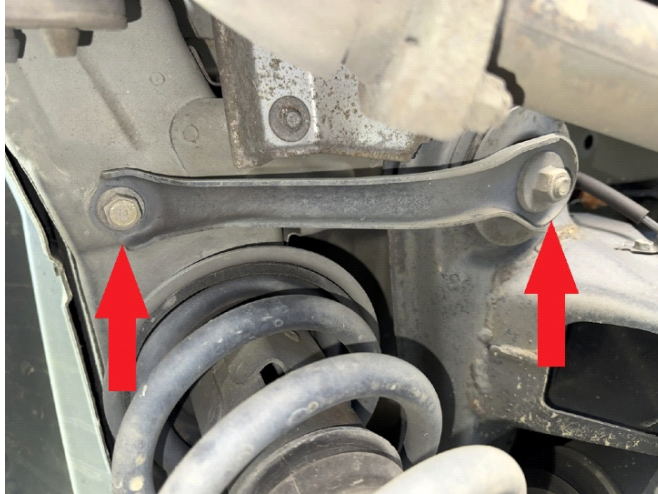


Step 18. Reinstall plastic splash shield under front bumper, cut/modify as needed.

Rear installation:

Step 1. Support subframe with floor jack.

Step 2. Remove rear subframe support bracket. (See photo)



Step 3. Using a 5/8" drill bit, open the bolt hole up to allow an M14 bolt to pass through. (See photo)



Step 4. Loosen all 4 but only remove 2 main M14 bolts holding subframe to body. (this procedure will keep the subframe aligned).



Step 5. Carefully lower the subframe enough to install one 2.75x1" M14 spacer between subframe and

body and install M14x135 bolts included in the kit. Repeat this step for remaining 3 subframe spacers. Torque subframe bolts to 110 ft-lb.

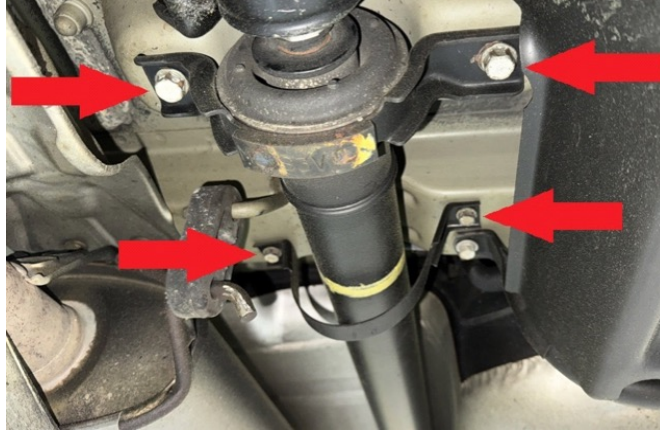


Step 6. Place 1 1.25x1 M12 spacer between rear subframe support bracket and body, install M12x50 bolt. Torque bolt to 50 ft-lb. Repeat for opposite side.

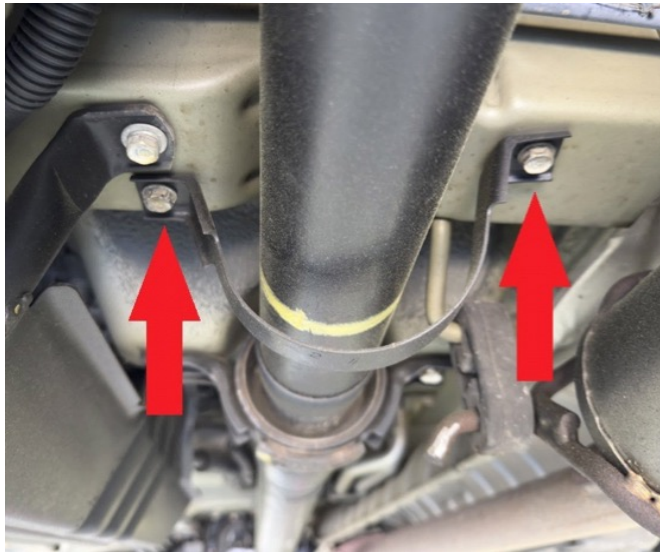


Step 7. Lift vehicle and remove rear wheels.

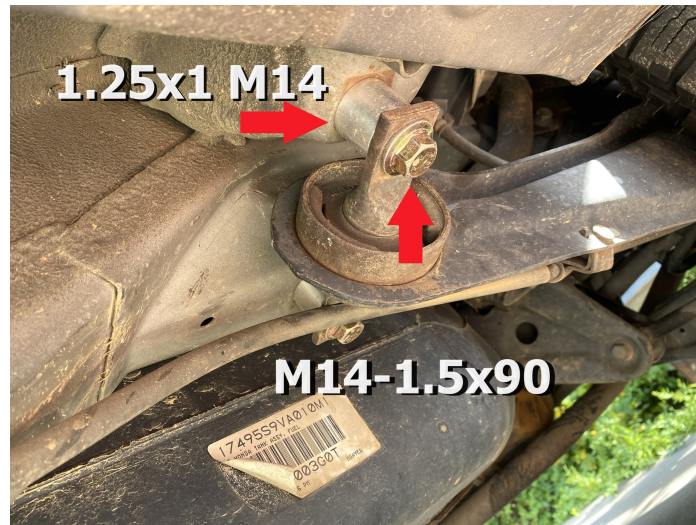
Step 8. Loosen M10 bolts holding center drive shaft carrier bearing. Remove one bolt, install 1x1" M10 spacer and M10x50 bolt, and then repeat process for second bolt.



Step 9. Remove M8 bolts from both front and rear driveshaft safety loops, install (2) 0.75x1" M8 spacer and M8x40 bolts between loops and body. Install remaining 2 0.75x1" M8 spacers if necessary to allow enough clearance for drive shaft.



Step 10. Remove one M14 bolt and loosen second M14 bolt in driver side rear trailing arm. Install 1.25x1" M14 spacers one at a time. Install M14x90 bolts



Step 11. Repeat step 10 for passenger side.

Step 12. Reinstall wheels and lower vehicle.

Step 13. Get a professional alignment.

Note: Installing subframe 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.

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

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