



2017-2025 2 inch subframe 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 size:

245/60/18 (stock)(29.6")

255/60/18 (30.0")

245/65/18 (30.5")

255/60/18 (31.1")

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 0.75x1.5 M8 spacers (driveshaft protector)
- 2 M8x60 bolts (driveshaft protector)
- 2 M10x110 bolts (engine mount)
- 4 M10x50 bolts (driveshaft carrier bearings)
- 3 0.75x1.5 M8 spacers (gas tank bar)
- 2 M8x60 bolts (gas tank bar)
- 4 M14x180 bolts (front subframe)
- 8 M12x70 bolts (front subframe brackets)
- 4 M14x180 bolts (rear subframe)

- 8 M12x70 bolts (rear subframe brackets)
- 4 1x1 M10 spacers (driveshaft carrier bearings)
- 2 1x2 M10 spacers (engine mount)
- 4 2.75x2 M14 spacers (front subframe)
- 4 3.5x2 M14 spacers (rear subframe)
- 16 1.25x2 M12 spacers (front and rear subframe brackets)
- 2 1 inch foam seals (steering column)
- 2 M12x70 bolts (exhaust)
- 2 M12 nuts (exhaust)
- 3 extended exhaust hangers

TOOLS REQUIRED: Floor jack, lug wrench, metric socket set to 22mm, metric wrench set to 19mm, impact wrench, pliers, heavy hammer, large pry bar, screwdriver, body saw, plastic cutting tool, torque wrench

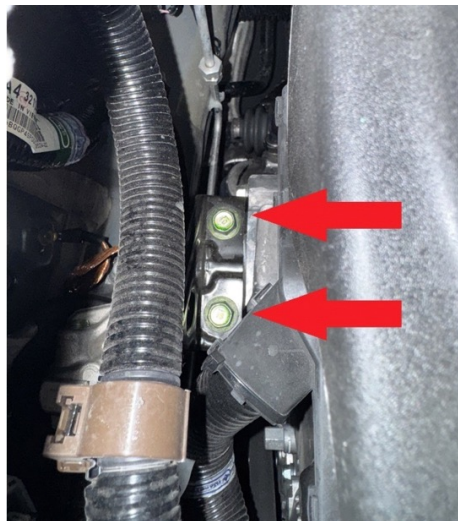
Note to installer: Installing this kit requires cutting of plastic splash shield and sheet metal surrounding steering coupler to allow clearance.

Approximate installation time: 3 hours.

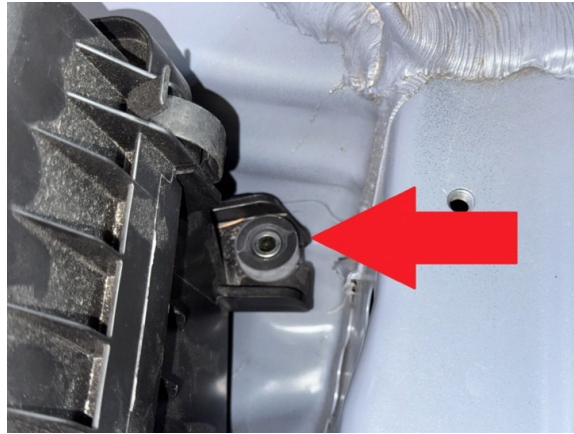
Skill level: Difficult

Front installation:

Step 1. Remove 2 M10 bolts holding passenger side engine mount to engine bracket.

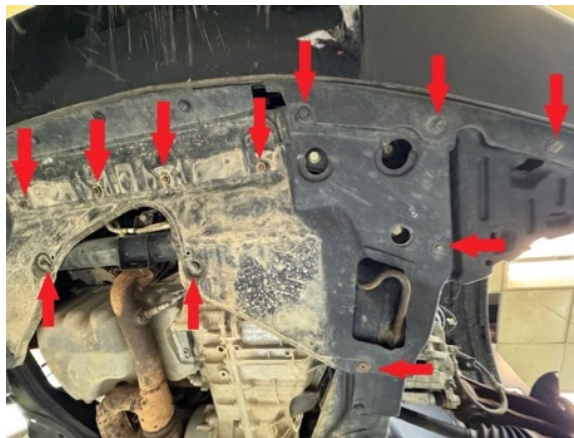


Step 2. Remove bolt on rear outer corner of air box (see photo)

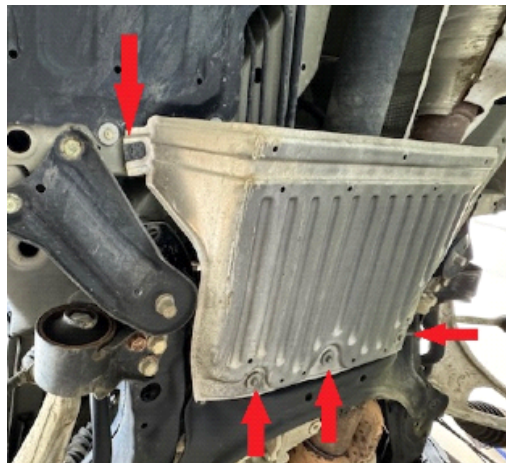


Step 3. Lift vehicle and support with jack stands.

Step 4. Remove clips holding front part of plastic fender liners, and 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.



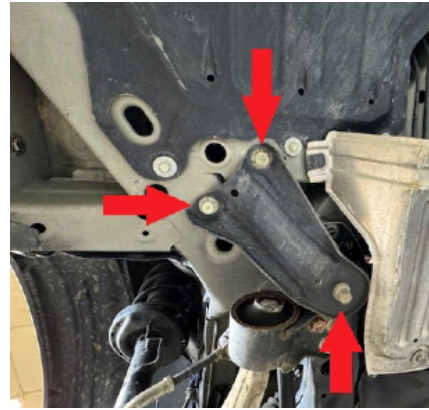
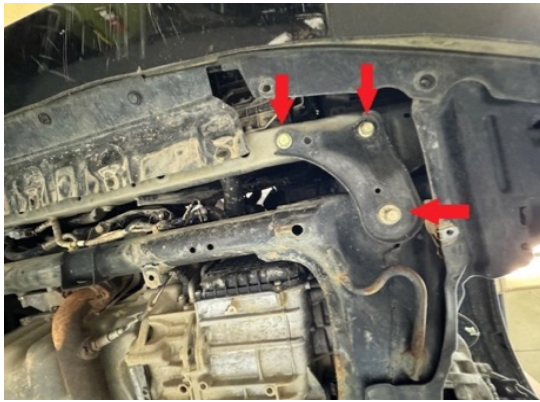
Step 5. Remove plastic clips and 10mm bolts holding aluminum heat shield behind subframe. Save hardware.



Step 6. Support subframe using a screw jacks or floor jack.

Step 7. Remove 8 M12 bolts holding main subframe bolt retainer brackets to body. (see photo below)

Step 8. Loosen but do not remove ONLY 2 of the 4 main subframe bolts and temporarily replace with the longer M14x180 bolts included in the kit.



Step 9. Remove the 2 remaining OEM subframe bolts one at a time, lower subframe carefully about 2 inches with floor jack or screw jacks and slip 2.75x2 M14 spacers between subframe and body, installing M14x180 bolts as you go. (This keeps the subframe square and aligned during installation.)

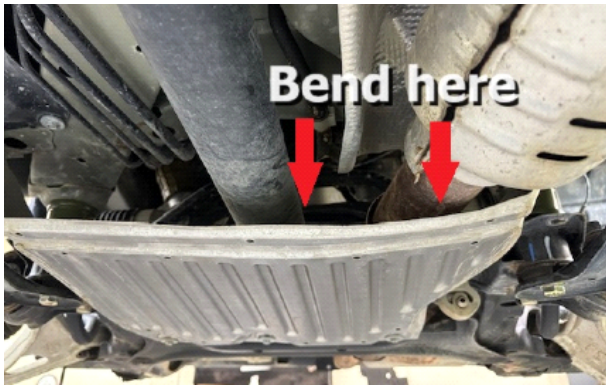
Step 10. Install 8 1.25x1 M12 steel spacers between main subframe bolt retainer brackets and body using supplied M12x50 bolts. (see photo)



Step 11. Trim fender liner as necessary to fit with lowered subframe, relocate flap to top side of subframe and secure using original hardware. (see photo)



Step 12. Re-install aluminum heat shield, drill new holes and bend as necessary to fit with lowered subframe. Re-attach using OEM hardware.



Step 13. Using a body saw, cut a notch in the hole where the steering column passes through (see photo) to allow clearance for steering shaft.



ALTERNATE METHOD: Using a screwdriver or round bar, bend sheet metal back about 1/4 inch around the coupler. Turn steering wheel to verify the coupler has proper clearance.

Step 14. Install foam weather seal between steering rack and body.



Step 15. Under driver side dash, remove plastic dust cover on steering column. Trim away plastic as necessary to eliminate contact with steering shaft.



Step 16. Re-install dust cover on steering column below interior dashboard. Double check full rotation of steering wheel to check for any noises or rubbing. Trim as necessary.

TIP: If necessary, loosen the bolts in the steering column couplers and re-tighten them to eliminate binding.

Step 17. Lower vehicle back down and Install 2 1x2 M10 steel spacers between engine mount and engine bracket, using supplied M10x110mm bolts.



Step 18. Double check all bolts, refer to factory service manual for torque specifications.

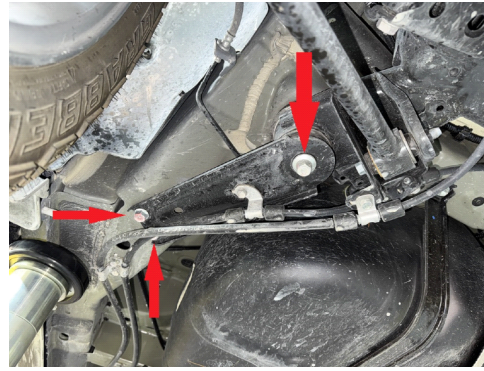
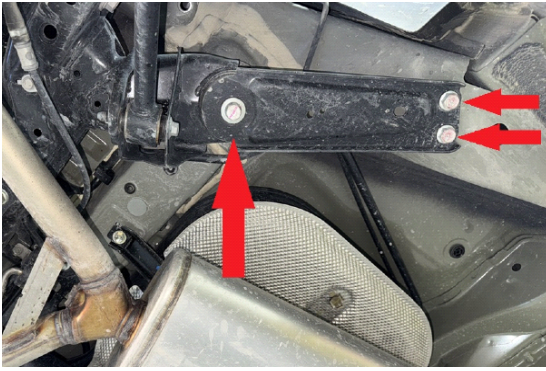
Step 19. Reinstall wheels and lower vehicle.

Rear installation:

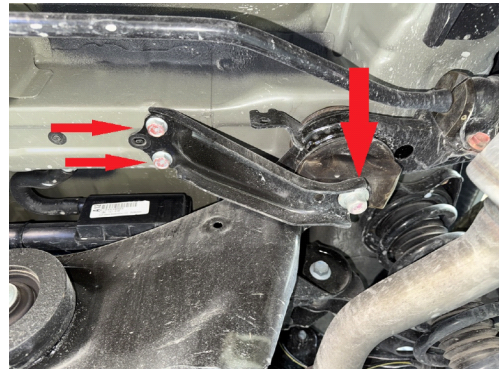
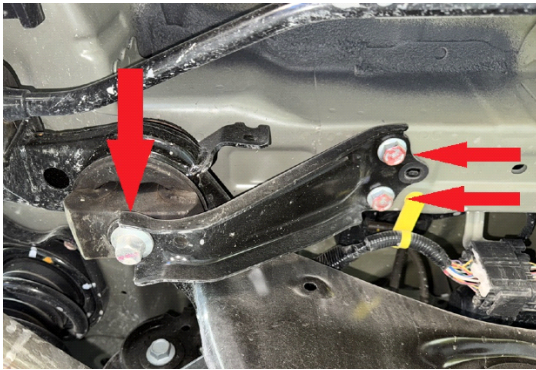
Step 1. Lift vehicle and support with jack stands.

Step 2. Support rear subframe with floor jack.

Step 3. Remove 8 M12 bolts holding rear subframe support brackets to body.



Step 4. Loosen 4 main M14 bolts holding subframe to body, removing only the front 2. Temporarily install 2 M14x180 bolts. This keeps the subframe square and in line when lowering.



Step 5. Using a floor jack or pole jack, lower the subframe enough to install two of the 4 3.5x2" M14 spacers between subframe and body. Install M14x180 bolts. Be sure to pass bolts through support brackets! (see photos)



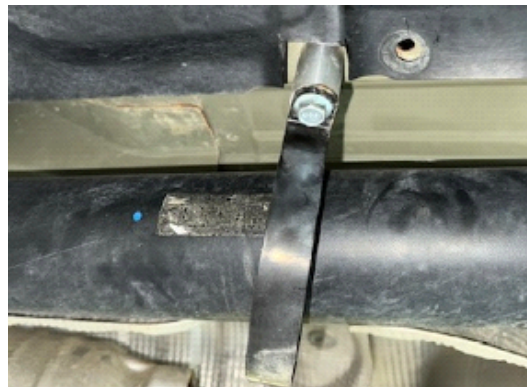
Step 6. Remove rear subframe bolts one by one, installing remaining 3.5x2" spacers and installing M14x180 bolts. (see photos)



Step 7. Place 1.25x2 M12 spacers between subframe support brackets and body, install 8 M12x70 bolts.



Step 8. Remove bolts holding driveshaft protector, place 0.75x1 M8 spacers between protector and body. (see photo)



Step 9. Using a plastic cutting tool, notch plastic as shown:

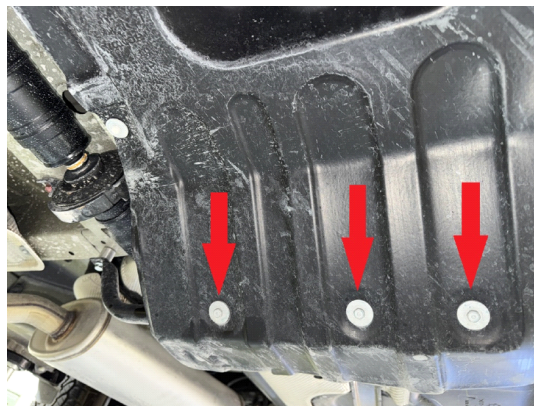


Step 10. Remove 2 M10 bolts holding driveshaft carrier bearing.

Step 11. Install 2 1x1 M10 spacers between carrier bearing and body, install 2 M10x50 bolts. (repeat process for second carrier bearing)



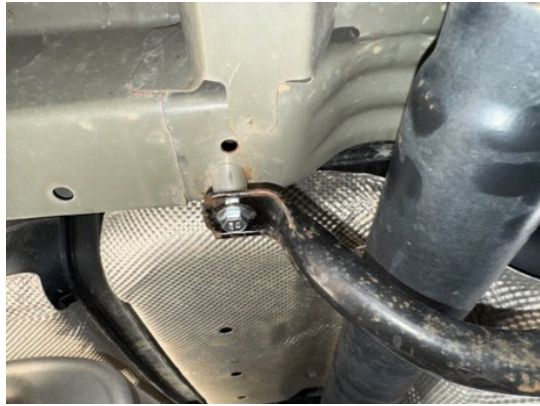
Step 12. Remove bolts holding plastic under tray to gas tank bar (save hardware).



Step 13. Remove 3 M8 bolts holding gas tank bar to body.



Step 14. Place 3 0.75x1 M8 spacers between gas tank bar and body, install 3 M8x40 bolts.



Step 15. Remove tailpipe hangers from tailpipes.

Step 16. Attach extended exhaust hangers to OEM hanger with M12x70, and M12 nut. (see photo)



Step 17. Install extended exhaust hanger in place of center exhaust hanger (see photo)]



Step 18. Reinstall wheels and lower vehicle.

Step 19. Double check all bolts. Refer to factory service manual for torque specifications.

Step 20. Get a professional alignment.

Note: Installing a subframe kit changes 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 8-5PM EST Mon-Fri or email us 24/7 at support@hrgoffroad.com.

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

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