



2017-2026 1 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 0.625x1 M8 spacers (driveshaft protector)

2 M8x40 bolts (driveshaft protector)

2 M10x90 bolts (engine mount)
4 M10x50 bolts (driveshaft carrier bearings)
2 M10x50 bolts (gas tank bar)
4 M14x150 bolts (front subframe)
8 M12x50 bolts (front subframe brackets)
2 M14x160 bolts (rear subframe)
2 M14x180 bolts (rear subframe)
4 M12x50 bolts (rear subframe brackets)
2 1x1 M10 spacers (gas tank bar)
4 1x1 M10 spacers (driveshaft carrier bearings)
2 1x1 M10 spacers (engine mount)
4 2.75x1 M14 spacers (front subframe)
4 3.5x1 M14 spacers (rear subframe)

2 BLB-Z brackets (front brakeline)
2 BLB-2 brackets (rear brakeline)
12 1.25x1 M12 spacers (front and rear subframe brackets)
1 1 inch foam seal (steering column)

TOOLS REQUIRED: Floor jack, lug wrench, metric socket set to 21mm, metric wrench set to 19mm, impact wrench, pliers, heavy hammer, screwdriver, plastic cutting tool, torque wrench and paint pen.

Note to installer: Some bolts removed to install lift 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.**

Approximate installation time: 5 hours.

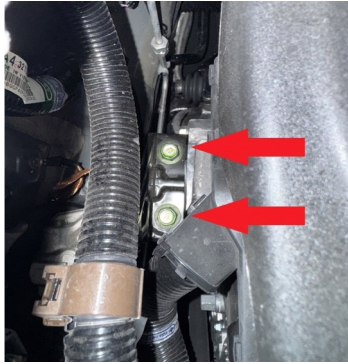
Installation video:



Front installation:

Step 1. Disconnect negative battery terminal.

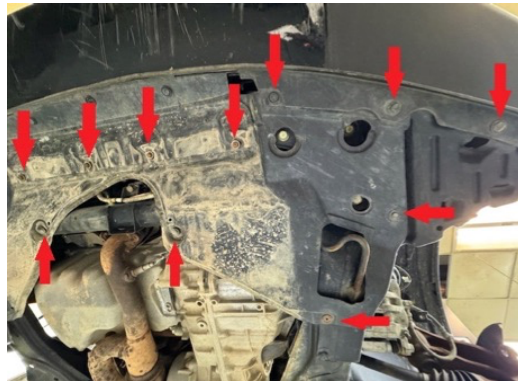
Step 2. Remove 2 M10 bolts holding passenger side engine dampener to engine bracket.



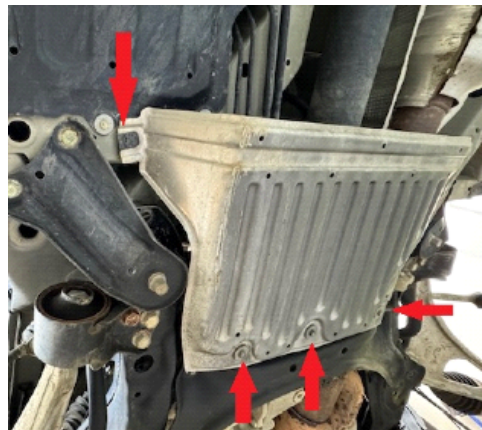
Step 3. lift vehicle and support with jack stands

Step 4. Support engine/transmission with floor jack or screw jack, taking care not to dent oil pan.

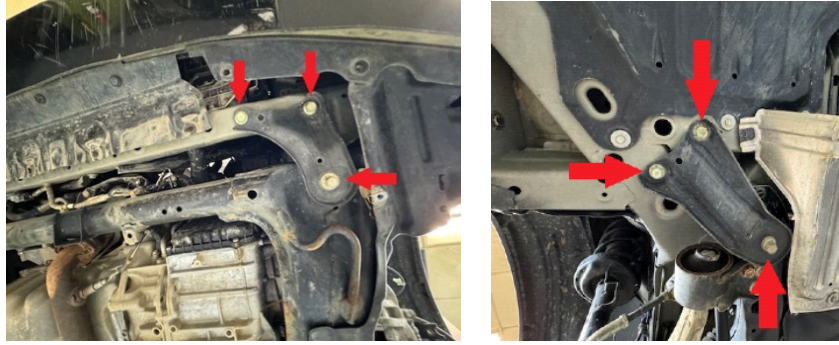
Step 5. Remove lower plastic splash guard under front valence to gain access to front main subframe bolts. Take care not to break plastic retainer clips. Save hardware for re-installation.



Step 6. Remove aluminum heat shield behind subframe (if applicable)



Step 7. Remove 8 M12 bolts holding subframe stiffener brackets to body.



Step 8. Loosen but do not remove M14 main subframe bolts allowing subframe to drop approximately one inch. Remove main OEM subframe bolts one at a time and slip 2.75x1 M14 spacers between subframe and body, installing M14x160 bolts as you go. This keeps the subframe square and aligned during installation. (see photo)



Step 9. Install 8 1.25x1 M12 steel spacers between subframe stiffener brackets and body using supplied M12x50 bolts. (see photo)



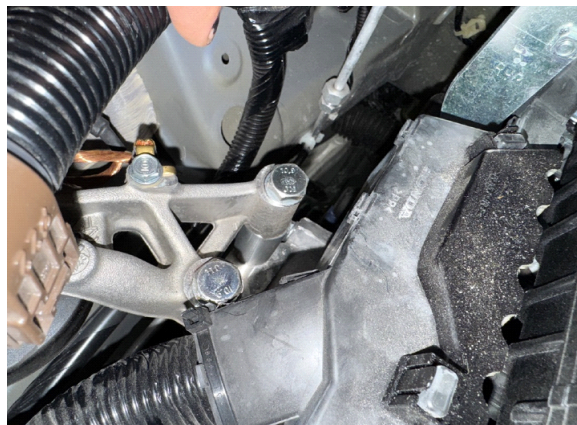
Step 10. Trim plastic splash shield as necessary to fit with lowered subframe, reinstall using original hardware.



Step 11. Re-install aluminum heat shield, drill mounting holes and bend as necessary to fit with lowered subframe. Re-attach using OEM hardware.



Step 12. Install 2 1x1 M10 steel spacers between engine mount and engine bracket, using supplied M10x90mm bolts.



Step 13. Under driver side dash, remove plastic dust cover on steering column to gain access to steering coupler.

Step 14. Using a suitable metal cutting tool, cut a notch in the firewall where steering shaft passes through. Alternate method: Use 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 15. Install foam weather seal between steering rack and body as shown.



Step 16. Re-install dust cover on steering column below interior dashboard. Trim as necessary to prevent plastic from contacting steering column.



Step 17. Double check all bolts, refer to factory service manual for torque specifications.

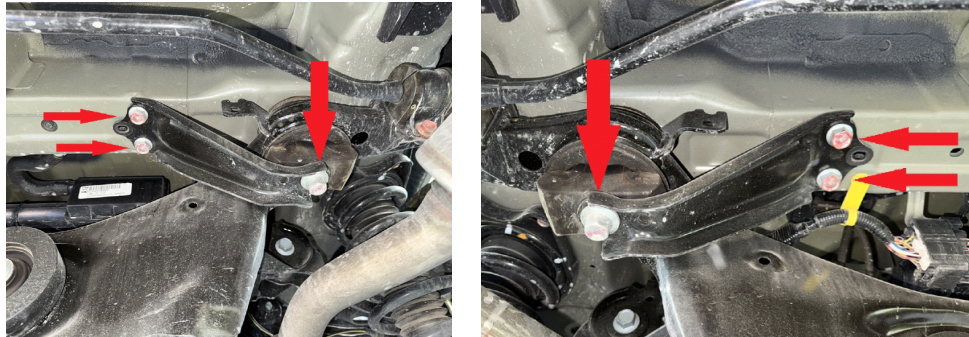
Step 18. Reinstall wheels and lower vehicle.

Rear installation:

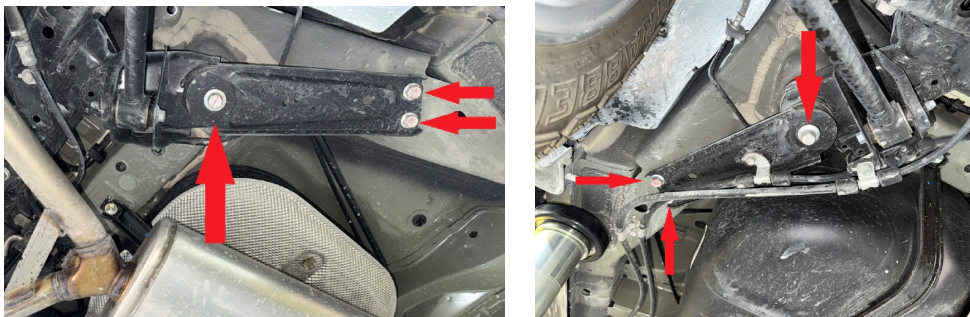
Step 1. Jack up vehicle and support with jack stands.

Step 2. Support rear subframe with floor jack.

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



Step 4. Loosen 4 main M14 bolts holding subframe to body, removing only the front 2. This allows the subframe to stay in alignment while lowering.



Step 5. Using a floor jack, lower rear subframe enough to install 2 of the 4 3.5x1" M14 spacers between subframe and body. Install M14x160 bolts. Be sure to pass bolts through stiffener brackets! (see photo)



Step 6. Remove remaining rear subframe bolts one by one, installing remaining 3.5x1 spacers and installing M14x160 bolts.

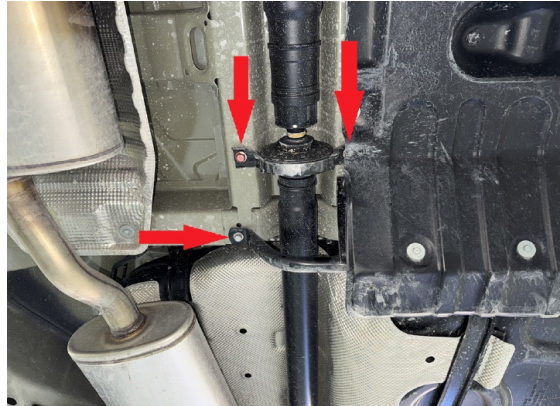
Step 7. Install 8 1.25x1 M12 aluminum spacers between subframe stiffener brackets and body, install 8

M12x50 bolts.

Step 8. Remove 2 M10 bolts holding front drive shaft carrier bearing.

Step 9. Install 2 1x1 M10 spacers between carrier bearing and body, install 2 M10x50 bolts.

Step 10. Repeat for rear drive shaft carrier bearing.



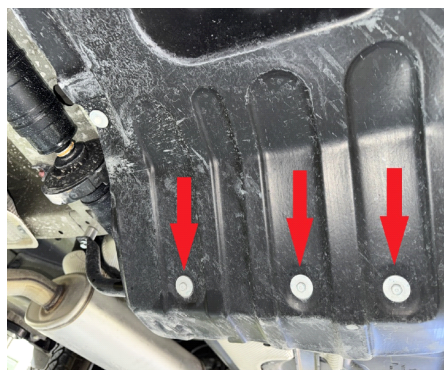
Step 11. Remove 2 M8 bolts holding driveshaft protector loop (U-shaped strap)



Step 12. Install 2 .75x1 M8 spacers between protector loop and body, install 2 M8x40 bolts.



Step 13. Loosen the 3 10mm bolts holding plastic undertray to gas tank bar.



Step 14. Remove bolts holding gas tank bar to body, install 0.75x1 M8 spacers between gas tank skid plate bar and body. Secure with 3 M8x40 bolts.



Step 15. Tighten 10mm bolts on plastic undertray.

Step 16. Remove OEM rubber hangers from both rear tailpipes. (Unless equipped with single rear tailpipe)

Step 17. Attach extended exhaust hanger to OEM hanger with M12x70 bolt and M12 nut. (see photo)



Step 18. Remove rubber hanger from exhaust mid-section under vehicle.

Step 19. Install new extended exhaust hanger as shown and adjust height as needed.



NOTE: It is not necessary to change the exhaust hanger attached to the rear subframe.

Step 20. Reinstall wheels and lower vehicle.

Step 21. Double check all bolts.

Step 22. Reconnect negative battery terminal.

Step 23. Get a professional alignment.

Step 24. Find some trails!



Note: Installing a subframe 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 8-5PM 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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