



2019-2025 1 Inch (25mm) 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.

Included in the kit:

- 2 0.75x1 M8 spacers (driveshaft protector)
- 2 M8x40 bolts (driveshaft protector)
- 2 M10x90 bolts (engine mount)
- 2 M10x50 bolts (driveshaft carrier bearing)
- 3 M8x40 bolts (gas tank bar)
- 4 M14x160 bolts (front subframe)
- 8 M12x50 bolts (front subframe brackets)
- 4 M14x160 bolts (rear subframe)
- 4 M12x50 bolts (rear subframe brackets)
- 3 0.75x1 M8 spacers (gas tank bar)
- 2 1x1 M10 spacers (driveshaft carrier bearings)
- 2 1x1 M10 spacers (engine mount)
- 4 2.5x1 M14 spacers (front subframe)
- 4 3.5x1 M14 spacers (rear subframe)
- 16 1.25x1 M12 spacers (front and rear subframe brackets)
- 2 M12x70 bolts (exhaust hangers)
- 2 M12 nuts (exhaust hangers)
- 3 extended exhaust hangers

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.**

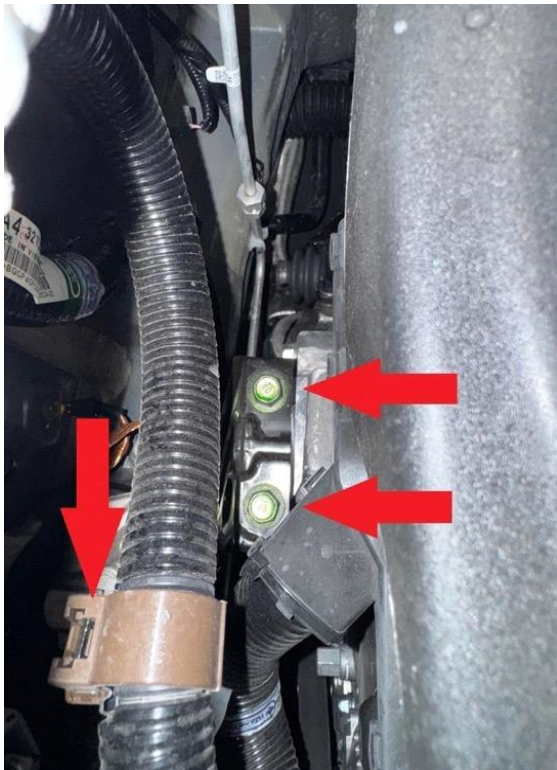
Approximate installation time: 2-4 hours.

Difficulty: Moderate

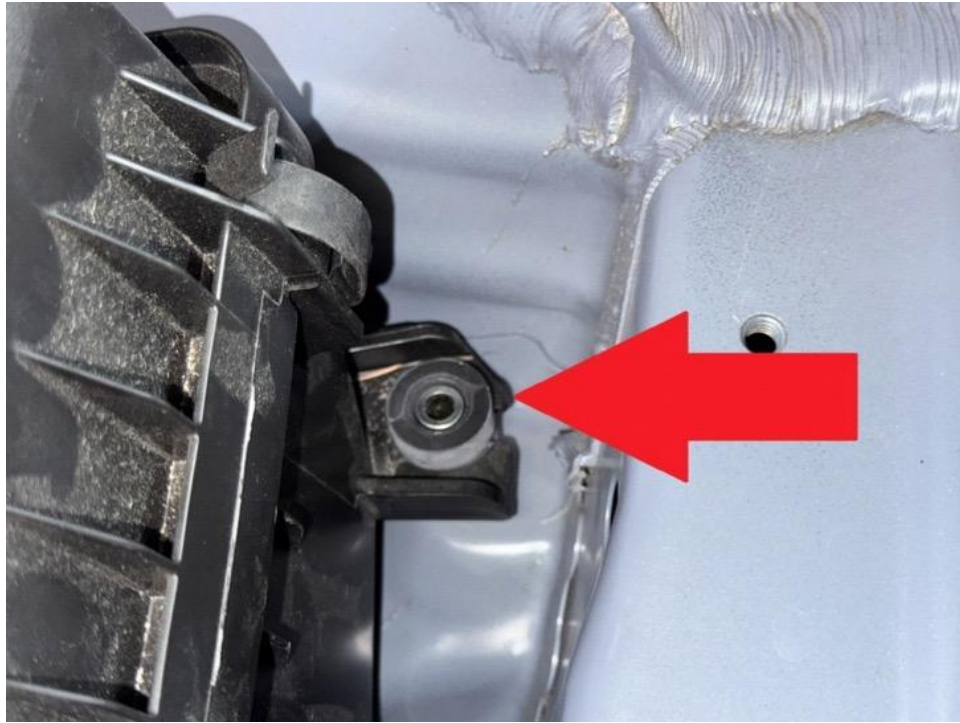
Front installation:

Step 1. Disconnect negative battery terminal.

Step 2. Remove 2 M10 bolts holding passenger side engine dampener to engine, and unclip wiring harness from bracket. Remove black bracket. Bracket will not be reused.



Step 3. Remove air box bolt as shown:

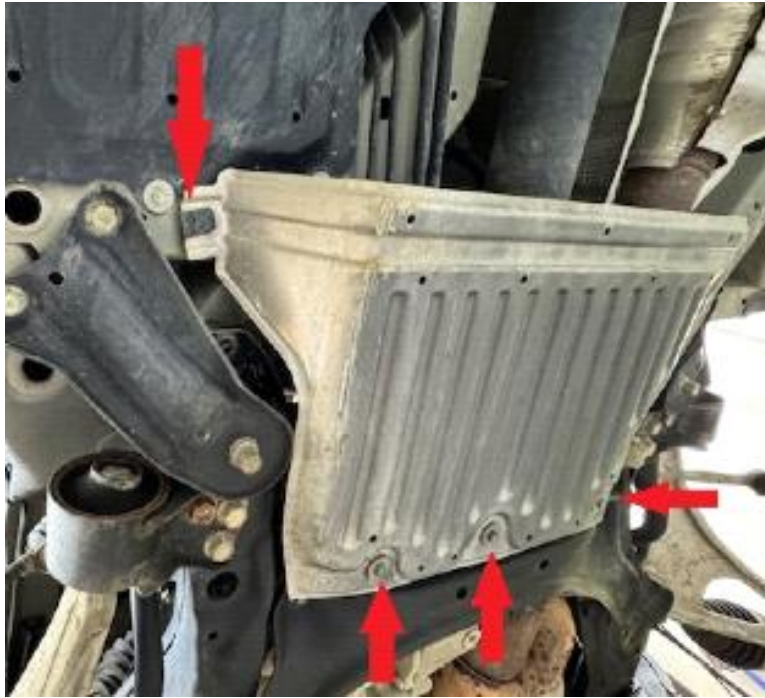


Step 4. Lift vehicle and support with jack stands.

Step 5. Remove clips and screws holding front part of plastic fender liners and lower plastic splash guard under front valence to gain access to front main subframe bolts. Plastic splash guard will not be reinstalled.

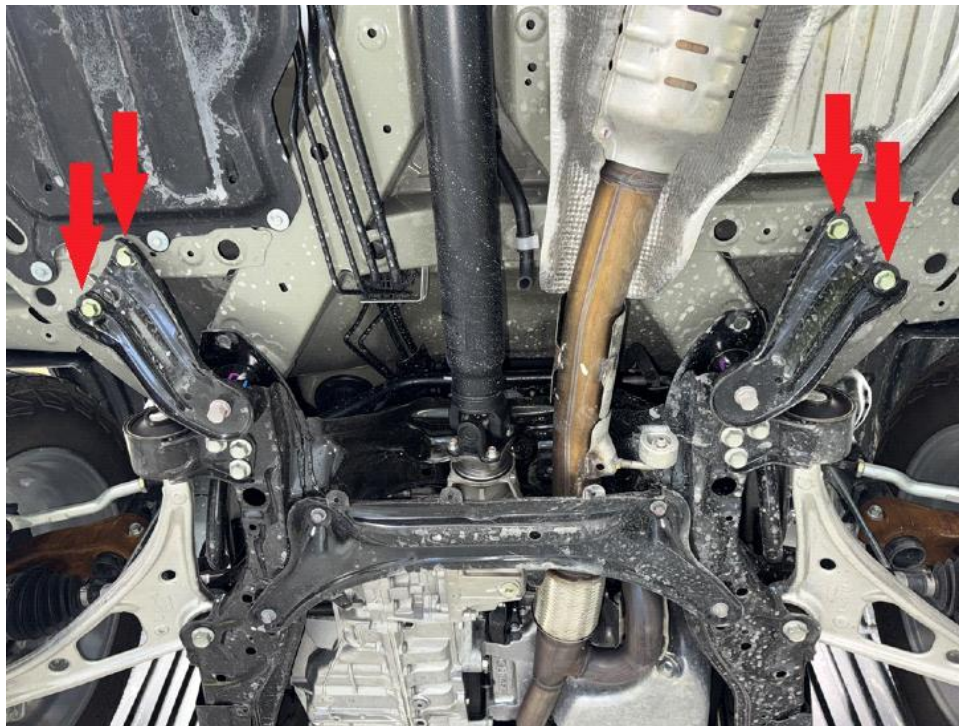


Step 6. Remove plastic clips and 10mm bolts holding aluminum heat shield behind subframe. (IF APPLICABLE) Save hardware.

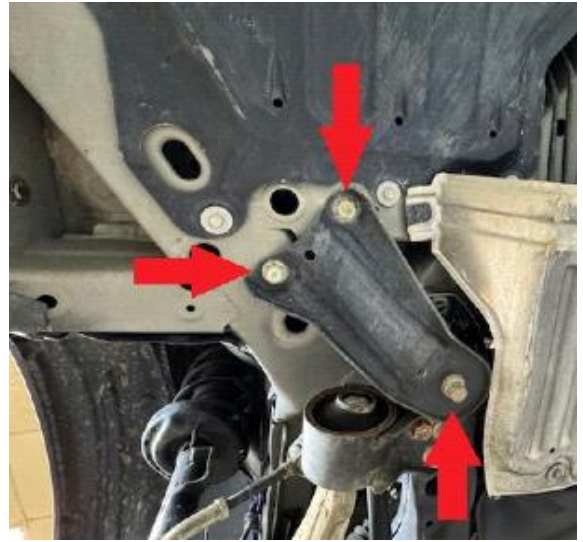


Step 7. Support subframe using a screw jacks or floor jack.

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



Step 9. Remove ONLY 2 of the 4 main subframe bolts, and temporarily replace with the longer M14x180 bolts included in the kit.



Step 10. Remove the 2 remaining OEM subframe bolts one at a time, lower subframe carefully about 1 inch with floor jack or screw jacks, and slip 2.75x1 M14 spacers between subframe and body, installing M14x160 bolts as you go. (This keeps the subframe aligned during installation.)



Step 11. Install 8 1.25x1 M12 steel spacers between main subframe bolt retainer brackets and body using supplied M12x50 bolts. (see photo)



Step 12. Trim plastic splash shield as necessary to fit with lowered subframe, reinstall using original hardware.



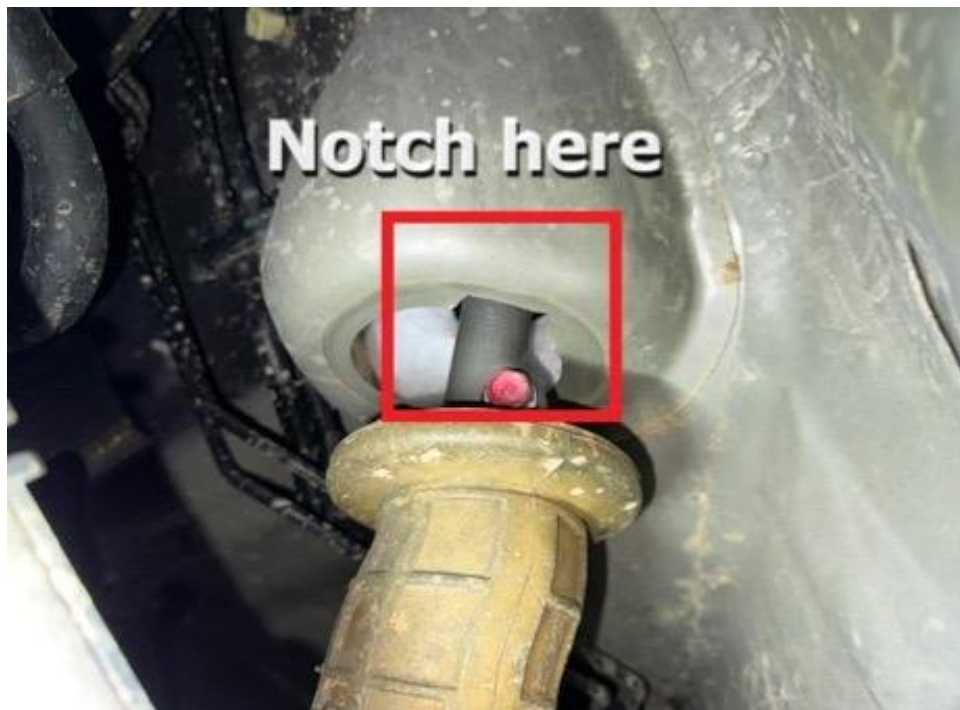
Step 13. Drill new mounting holes in aluminum heat shield (if applicable)



Step 14. Re-install aluminum heat shield, bend as necessary to fit with lowered subframe. Re-attach using OEM hardware.



Step 15. Using a body saw or suitable metal cutting tool, 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 16. Install foam weather seal between steering rack and firewall.

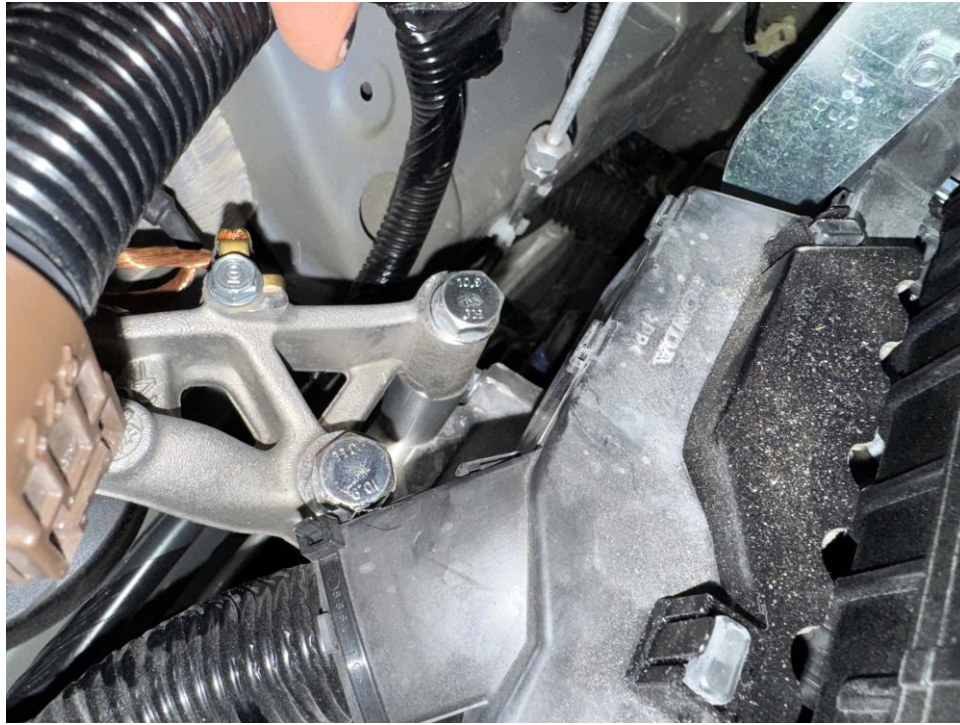


Step 17. Under driver side dash, remove plastic dust cover on steering column to gain access to steering coupler.



Step 18. 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.

Step 19. Lower vehicle back down and Install 2 1x1 M10 steel spacers between engine mount and engine bracket, using supplied M10x110mm bolts.



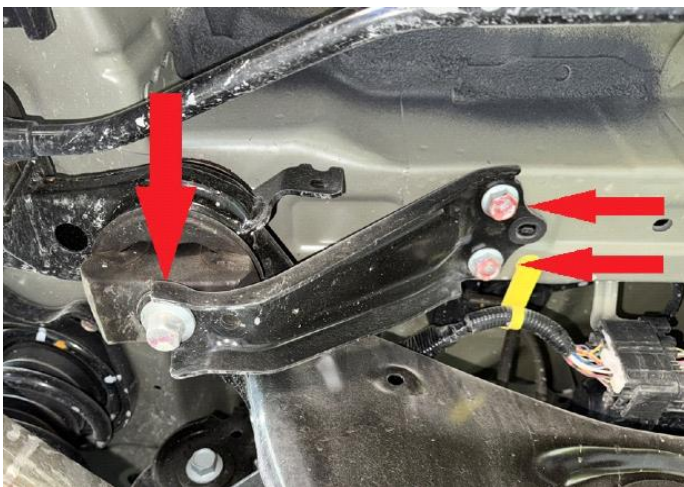
Step 20. Double check all bolts!

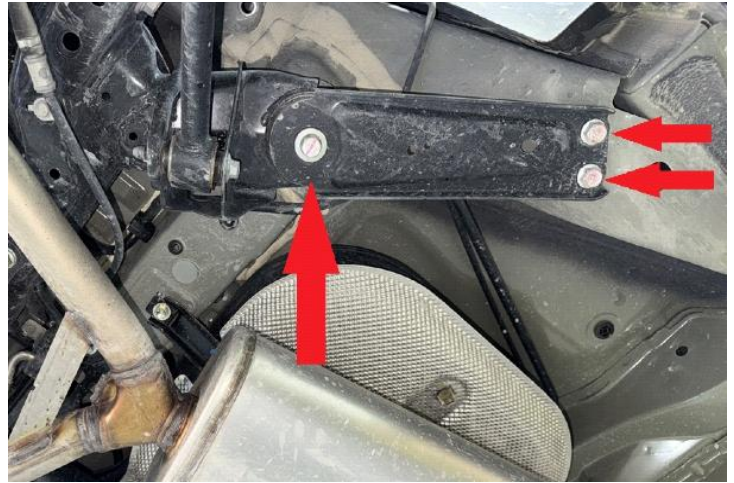
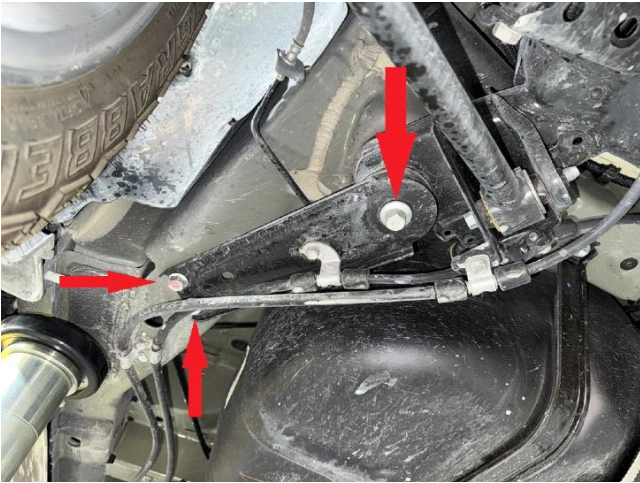
Rear installation:

Step 1. Lift vehicle and support with jack stands.

Step 2. Support rear subframe with floor jack or screw jack.

Step 3. Remove 8 bolts holding rear subframe stiffener brackets to body. DO NOT REMOVE ALL 4 MAIN SUBFRAME BOLTS AT ONCE!





Step 4. Loosen 4 main M14 bolts holding subframe to body, removing only the front 2. This allows the subframe to drop enough to install 2 of the 4 3.5x1" M14 spacers between subframe and body. Install M14x160 bolts. Be sure to pass bolts through support brackets! (see photo)



Step 5. Remove rear 2 subframe bolts one by one, installing remaining 3.5x1 spacers and installing M14x160 bolts.

Step 6. Install 8 1.25x1 M12 spacers between stiffener brackets and body, install 8 M12x50 bolts.



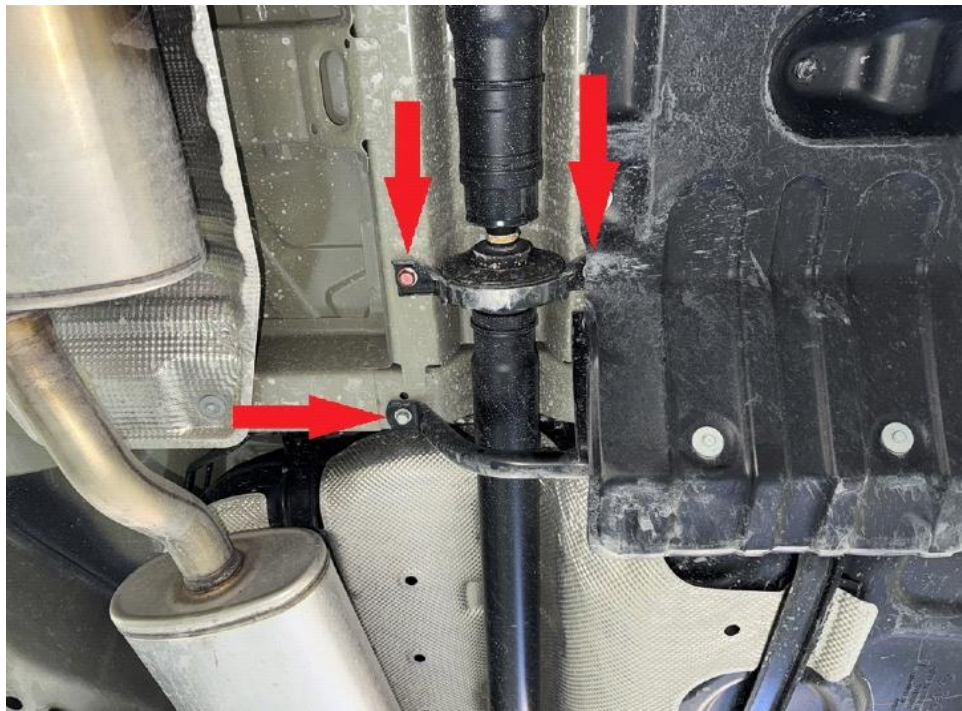
Step 7. Remove driveshaft protector loop.



Step 8. Cut notch in plastic and install 0.75x1 M8 spacers and M8x40 bolts as shown.



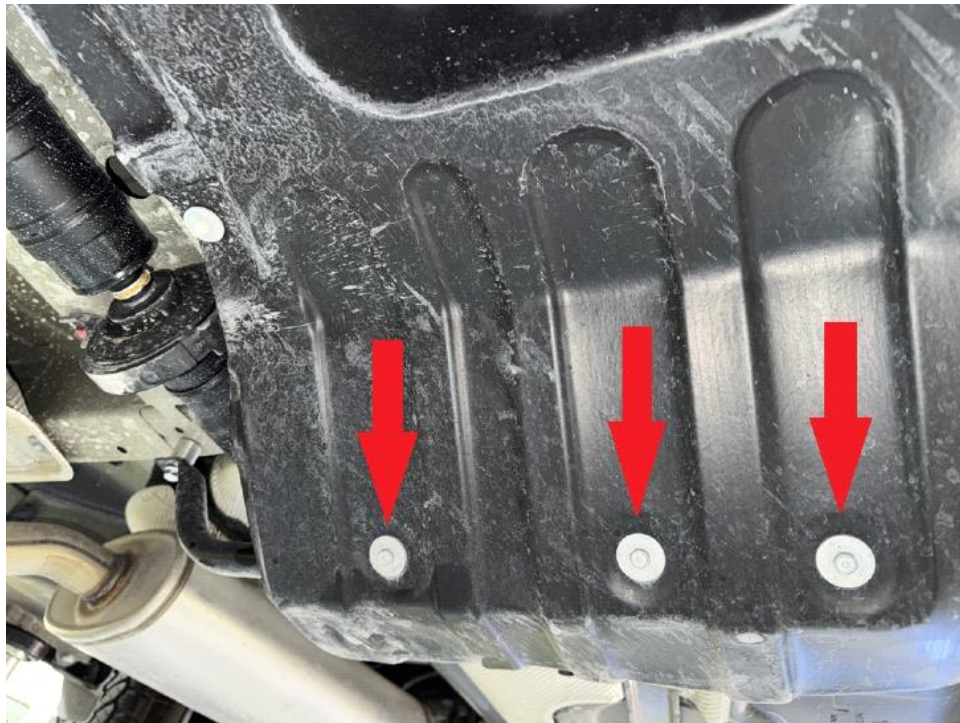
Step 9. Remove 2 14mm bolts holding driveshaft carrier bearing, and 12mm bolt holding gas tank bar.



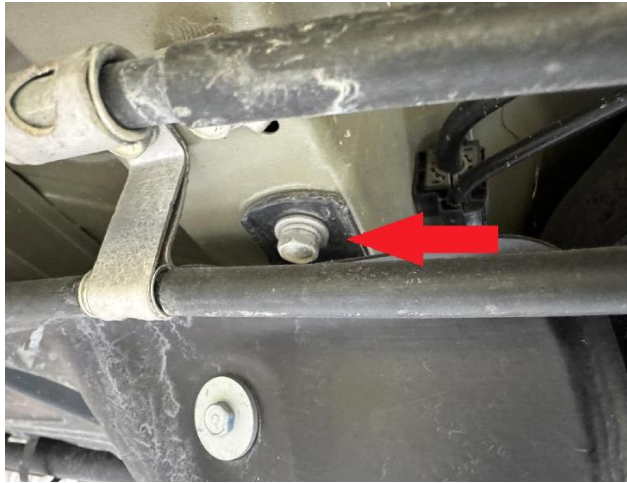
Step 10. Install 2 1x1 M10 spacers between carrier bearing and body, install 2 M10x50 bolts.



Step 11. Loosen 10mm bolts holding plastic under tray to gas tank bar.



Step 12. Remove remaining bolts holding gas tank bar to body.



Step 13. Install 3 0.75x1 M8 spacers between gas tank bar and body.



Step 14. Tighten 10mm bolts on plastic under tray.

Step 15. Remove OEM rubber hangers from both rear tailpipes. (Unless equipped with single rear tailpipe)

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



Step 17. Remove rubber hanger from exhaust mid-section under vehicle.

Step 18. Install new extended hanger as shown:



Step 19. Install BLB2 on rear brake line mount. (see photo)



Step 20. Reinstall wheels and lower vehicle.

Step 21. Double check all bolts.

Step 22. Get a professional alignment.

Step 23. Find some trails!

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!!

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Checklist

1 Bolt Pack :

- ☐ M14x160 (8)
- ☐ M12x50 (16)
- ☐ M10x90 (2)
- ☐ M10x50 (2)
- ☐ M12 nuts (2)
- ☐ M12x70 (2)
- ☐ 1x1 M10 (1 pack of 4)
- ☐ 0.75x1/M8x40 (1 pack of 5)
- ☐ 1.25x1 M12 (4 packs of 4)
- ☐ 2.75x1 M14 (4)
- ☐ 3.5x1 M14 (4)
- ☐ BLB-2 (1 pack)
- ☐ Foam seal LARGE (1)
- ☐ extended exhaust hanger (3)
- ☐ HRG Koozie
- ☐ sticker
- ☐ Instruction Card