



2005-09 Legacy 3" 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 205/70/15 (26.3") or 215/60/16 (26.3")

15" wheels

205/75/15 (27.0")

225/70/15 (27.4")

215/75/15 (27.7")

225/75/15 (28.2")

16" wheels

215/70/16 (27.8")

225/70/16 (28.4")

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 2.5" (63mm) lift spacers (front)

2 2.0" (51mm) lift spacers (rear)

6 M8 nuts (front spacers)

4 M10 nuts (rear spacers)

- 4 1.25x1 M12 spacers (front subframe)
- 4 M12x120 bolts (front subframe)
- 6 1.25x1 M14 spacers (front lower control arm mount)
- 2 M14x150 bolts (front lower control arm mount)
- 4 M14x50 bolts (front lower control arm mount)
- 2 Rear trailing arm spacers (1L, 1R)
- 6 M14x70 bolts (rear trailing arms)
- 2.75x2 M14 spacers (rear subframe)
- 4 M14x200 bolts (rear subframe)
- 2 extended rear sway bar links for lifted applications
- 4 extended muffler hangers

Tools required:

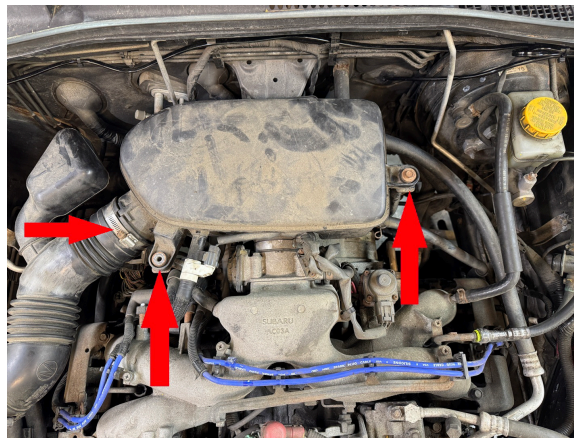
Floor Jack, lug wrench, metric socket set to 22mm, metric wrench set to 19mm, heavy hammer, impact gun, power drill, 15/32 drill bit, torque wrench and paint pen.

Skill Level: Moderate (drilling is required)

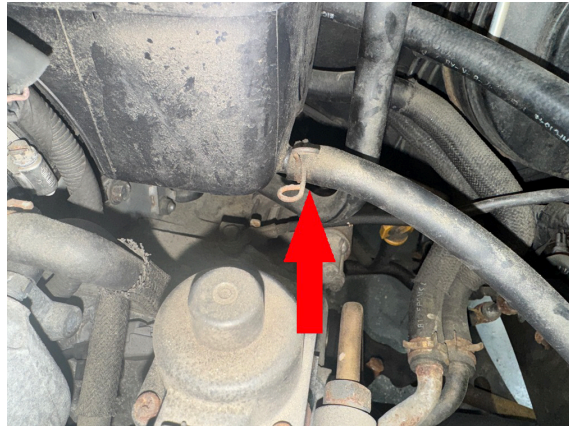
Tip: if your vehicle has significant rust, spray all suspension bolts and nuts with PB blaster or similar product.

Front installation:

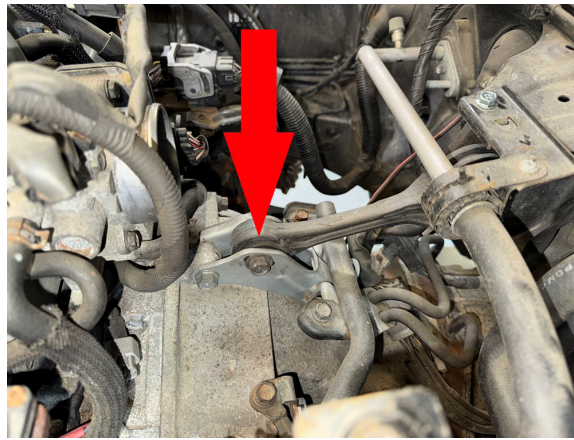
Step 1. Remove 2 10mm bolts and hose clamp from air intake as shown.



Step 2. Remove emissions hoses from air intake as shown, remove air intake.



Step 3. Loosen (DO NOT REMOVE) bolt on engine “dog bone” mount as shown:

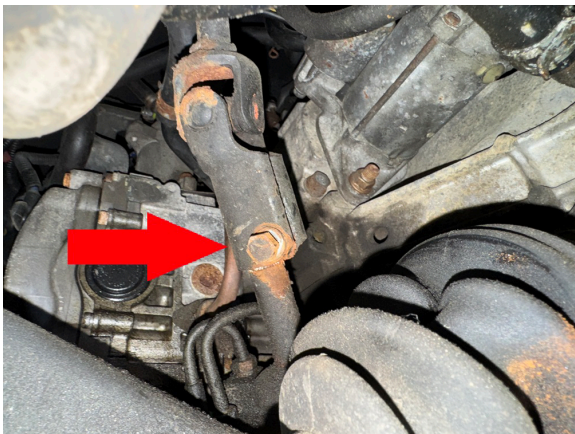


Step 4. Lift vehicle and support with jack stands.

Step 5. Remove front wheels.

Step 6. Support engine/transmission with floor jack or screw jack. Take care not to dent oil pan.

Step 7. Loosen (DO NOT REMOVE) bolt holding steering universal coupler to steering rack. Repeat with bolt holding steering universal coupler to steering column.



Step 8. Remove 17mm bolts holding engine cradle to frame rails one at a time, temporarily installing M12x120 bolts as you go. Do not tighten bolts at this time.



Step 9. Carefully lower engine cradle approximately 1 inch (25mm)

Step 10. Place 2 1.25x1 M12 spacers between engine cradle and frame rail on driver side, permanently install M12x120 bolts. Torque bolts to 83 ft-lb.



Step 11. Repeat process for passenger side.

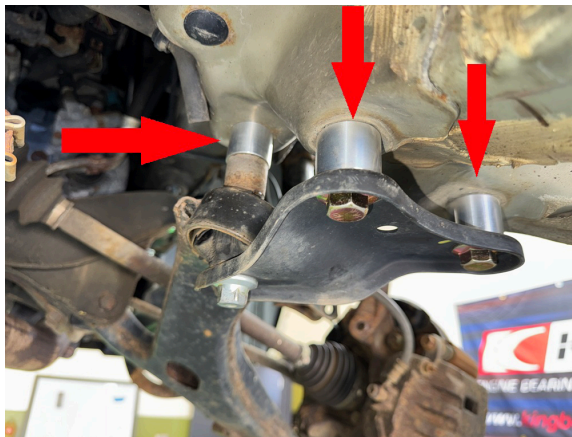
Step 12. Remove bolts and nut holding driver side front lower control arm bracket to chassis.



Step 13. Using a 15mm wrench, remove mounting stud as shown. Pry downward on lower control arm to allow stud to be removed.

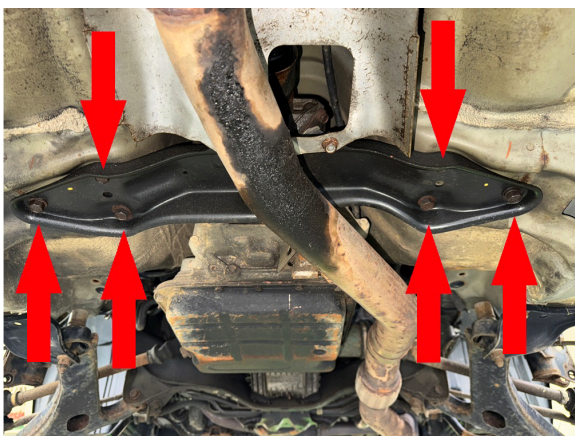


Step 14. Place 3 1.25x1 M14 spacers between front lower control arm mount and chassis as shown. Install M14x150 bolt in place of stud, M14x50 bolts in place of shorter bolts. (see photo)



Step 15. Repeat front lower control arm spacer installation process for passenger side.

Step 16. Remove 3 14mm bolts in driver side transmission support bracket, temporarily install 1 M10x50 bolt. Repeat for passenger side.



Step 17. Carefully lower transmission support bracket approximately 1 inch (25mm).

Step 18. Place 6 1x1 M10 spacers between transmission support bracket and chassis. Secure bracket with 6 M10x50 bolts. Torque bolts to 33 ft-lb.



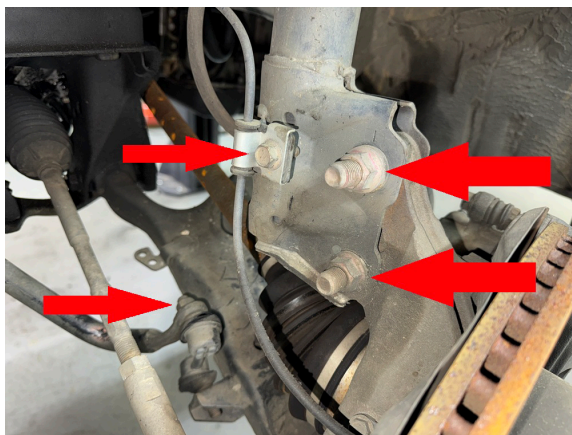
Step 19. Remove 12mm bolt holding brake line from driver side strut.



Step 20. Remove nut holding sway bar end link to sway bar. (See photo below)

Step 21. Remove 2 19mm nuts holding strut to knuckle. (See photo below)

Step 22. Remove 12mm bolt holding ABS wire to strut. (See photo below)

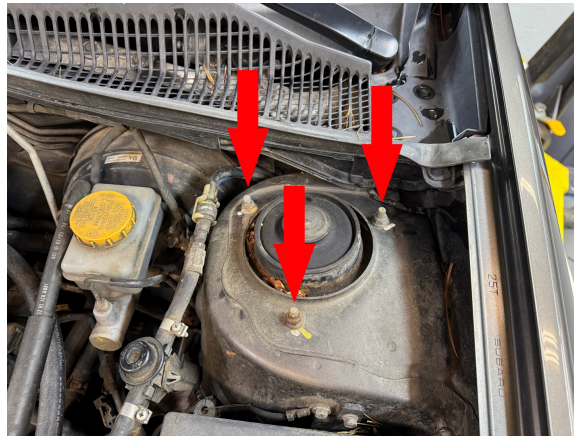


Step 23. Using a heavy hammer, tap strut bolts out.

Step 24. Using a ratchet strap or elastic cord, secure wheel hub to prevent inner axle joint from coming apart.



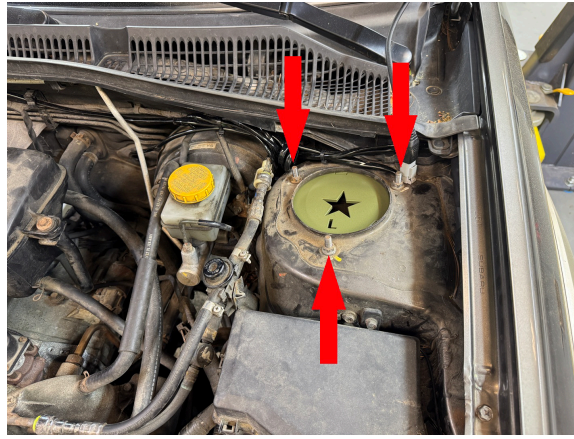
Step 25. Remove 3 12mm from strut top to allow strut to drop out. (Save hardware.)



Step 26. Install spacer onto strut using M8 nuts provided in the kit.

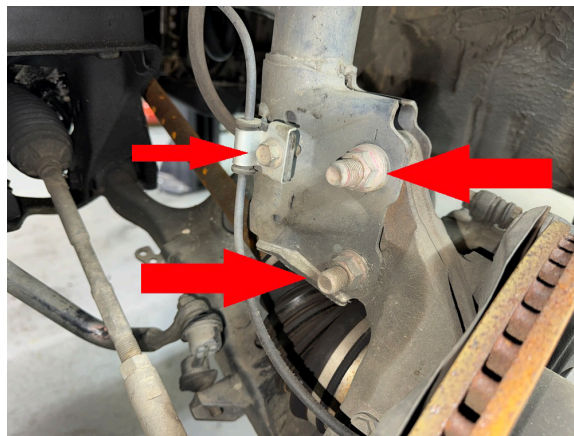


Step 27. Lift strut back into place and bolt in using original hardware. L spacer installs on DRIVER SIDE as shown. Torque nuts to 25 ft-lb.

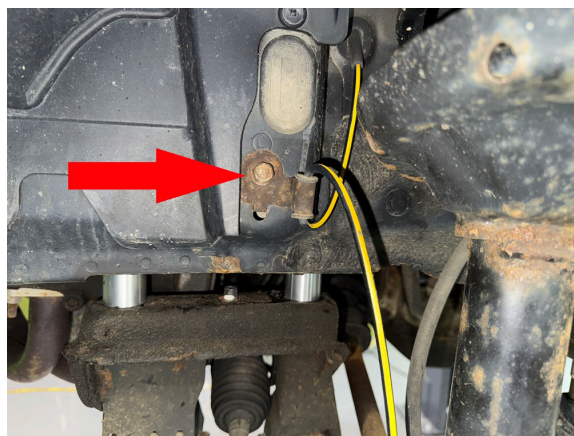


Step 28. Reinstall ABS wiring and brake line.

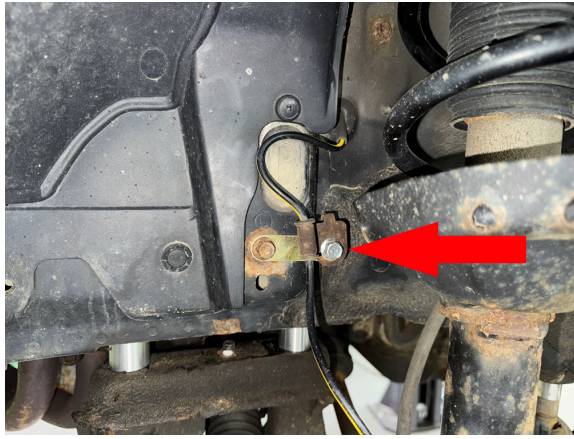
Step 29. Reinstall main strut bolts. Offset cam bolt goes in the top hole. Washer also goes on the threaded end of this bolt. Adjust camber bolt to maximum negative camber setting (top of wheel pulled inward). An alignment technician will do final adjustments. Torque nuts to 109 ft-lb.



Step 30. Remove bolt holding ABS wire to driver side fender well.



Step 31. Flip ABS mounting bracket upside down and install ABS wire relocation bracket as shown.



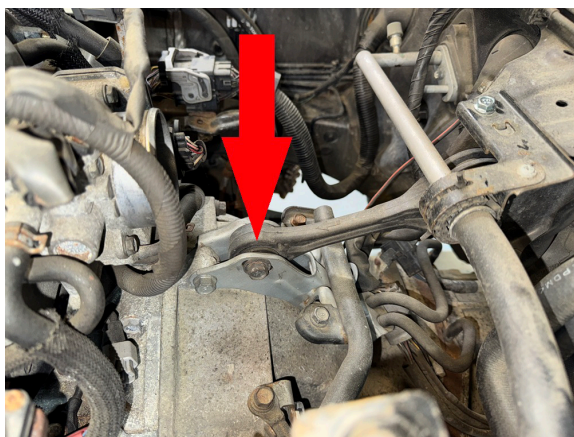
Step 32. Repeat lift spacer installation process for passenger side.

Step 33. Reinstall sway bar links after spacer installation is complete on both sides. Torque sway bar links to 35 ft-lb.



Step 34. Tighten bolts on steering universal coupler.

Step 35. Tighten bolt on dog bone engine mount. Torque to 42 ft-lb.



Step 36. Reinstall air box in reverse order of removal.

Step 37. Double check all bolts.

Step 38. Reinstall front wheels.

Rear Installation:

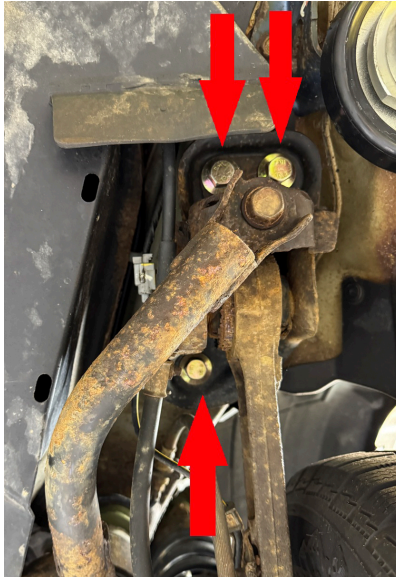
Step 1. Lift vehicle and support with jack stands.

Step 2. Remove rear wheels.

Tip: if your vehicle has significant rust, spray all bolts and nuts with PB blaster or similar product.

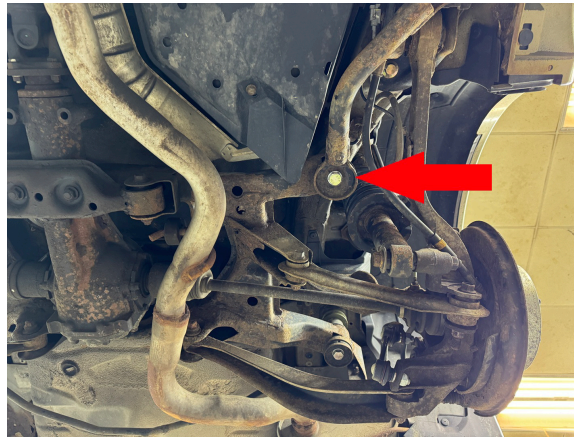
Step 3. Support rear subframe with screw jack or floor jack.

Step 4. Locate and remove driver side trailing arm mounting bolts.



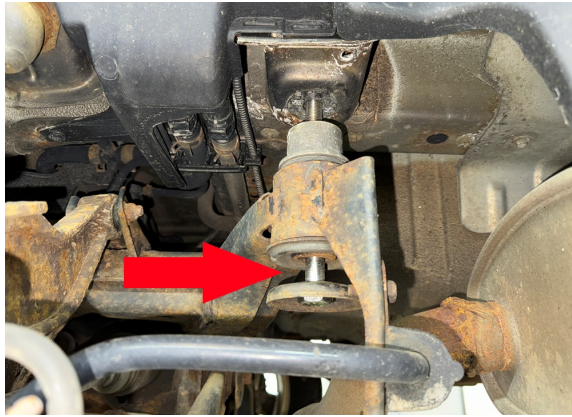
Step 5. Repeat process on passenger side.

Step 6. Locate and remove front most driver side subframe bolt. Temporarily thread in M14x180 bolt included in the kit.

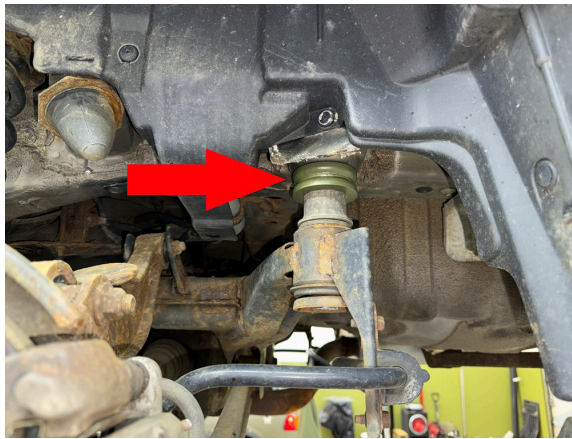


Step 7. Repeat process for remaining 3 subframe bolts.

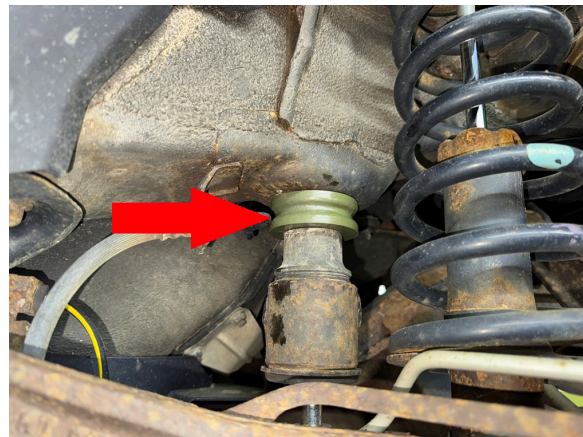
Step 8. Carefully lower the subframe approximately one inch.



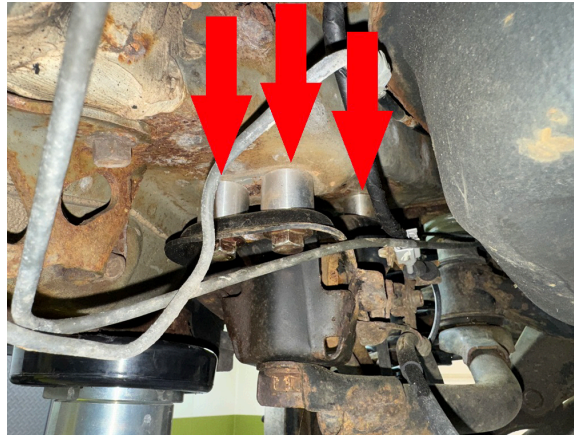
Step 9. Place 2.75x1 M14 spacer between subframe and chassis. Permanently install M14x180 bolt. Torque bolts to 135 ft-lb.



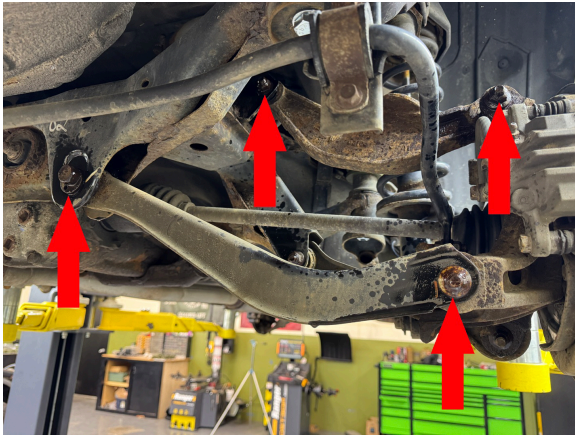
Step 10. Repeat process for remaining 3 subframe bolts/spacers.



Step 11. Place 1.25x1 M14 Spacers between driver side trailing arm mount and chassis. Install M14x50 bolts. Torque bolts to 90 ft-lb.



Step 12. Loosen all bolts on rear suspension to allow free movement.



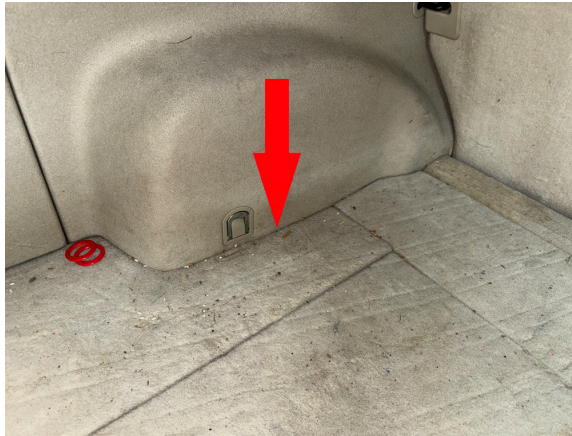
Step 13. Remove both driver and passenger rear sway bar end links. These will not be reused.



Step 14. Remove bolt holding driver side rear strut to lower control arm.



Step 15. Remove cargo cover to gain access to driver side rear strut mounting bolts.



Step 16. Remove 2 14mm nuts holding the rear strut in place. (Save hardware.)



Step 17. Mount the spacer to the strut using the M10 nuts provided in the kit.

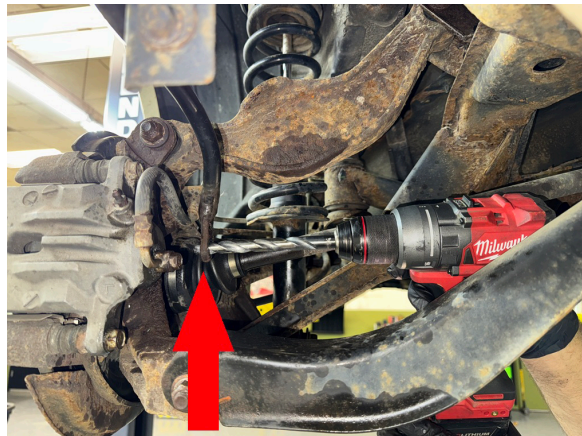
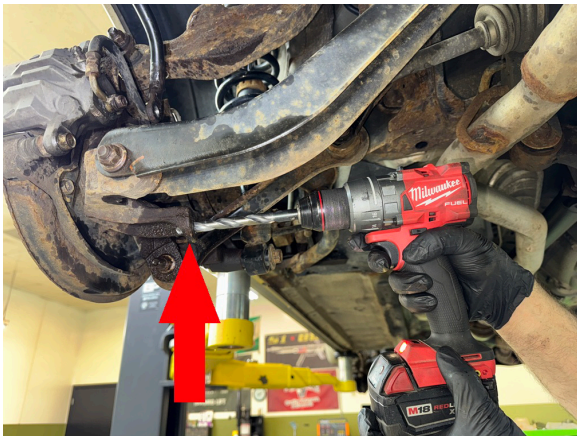


Step 18. Lift strut back into vehicle, lining up the 2 bolts through the strut tower and loosely install the 2 OEM 14mm nuts. (leaving these loose will make aligning the lower mounting bolt easier)



Step 19. Reinstall lower strut mounting bolt.

Step 20. Drill out sway bar and sway bar link mounting holes using 15/32" drill bit

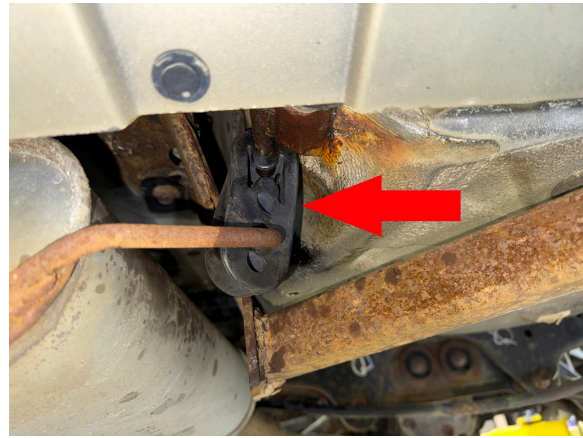
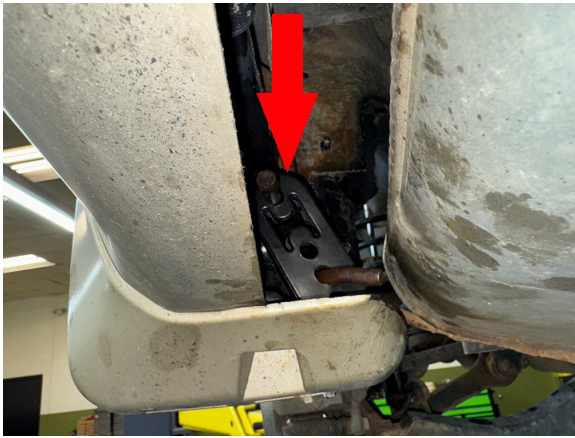


Step 21. Install new sway bar link. Torque nuts to 35 ft-lb



Step 22. Repeat lift spacer and sway bar link installation process on passenger side.

Step 23. Check clearance between rear sway bar and exhaust. If necessary, install extended exhaust hangers in place of OEM hangers as shown:



Step 24. Reinstall rear wheels.

Step 25. Get a professional alignment.

Step 26. Find some trails!

Note: Installing lift spacers 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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