2024+ Hyundai Santa Fe 1.5" lift kit installation guide

Professional installation 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:

Aftermarket 17” wheels: 17x8 +40
255/70/17
265/70/17
255/75/17**
OEM 18” Wheels (SE, SEL, XRT)
245/65/18
255/65/18
265/65/18
255/70/18**
OEM 20” Wheels (Limited, Hybrid)
255/50/20
255/55/20
265/55/20
245/60/20
275/55/20**

OEM 21” Wheels (Calligraphy)
255/50/21

**EXTREME SIZE. WILL REQUIRE MODIFICATION TO FENDER LINER TO FIT!
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 1.5" front lift spacers
2 1.0" rear lift spacers
6 M10 nuts (spacer mounting nuts)
4 1.25x1" M12 machined spacers (trailing arms)
2 Rear shock extension brackets
4 M12x60mm bolts (shock extension brackets)
4 M12x35mm bolts (shock extension brackets)
4 M12 nuts (shock extension brackets)
4 1.25x1" M12 machined spacers (countersunk)(shock extension brackets)
4 M12x60mm bolts (trailing arms)
2 Rear brake line relocation brackets
2 0.75x0.5 M8 spacers (brake line brackets)
2 M8x25mm bolts (brake line brackets)
2 M8 nuts (brake line brackets)
2 16mm front camber adjustment bolts
2 Sway bar end links for lifted application

Tools required:

Floor Jack or lift, lug wrench, metric socket set to 21mm, metric wrench set to 21mm, panel removal tool, flat screwdriver, common pliers, torque wrench and heavy hammer.

Approximate installation time 5-6 hours

Skill Level: Easy

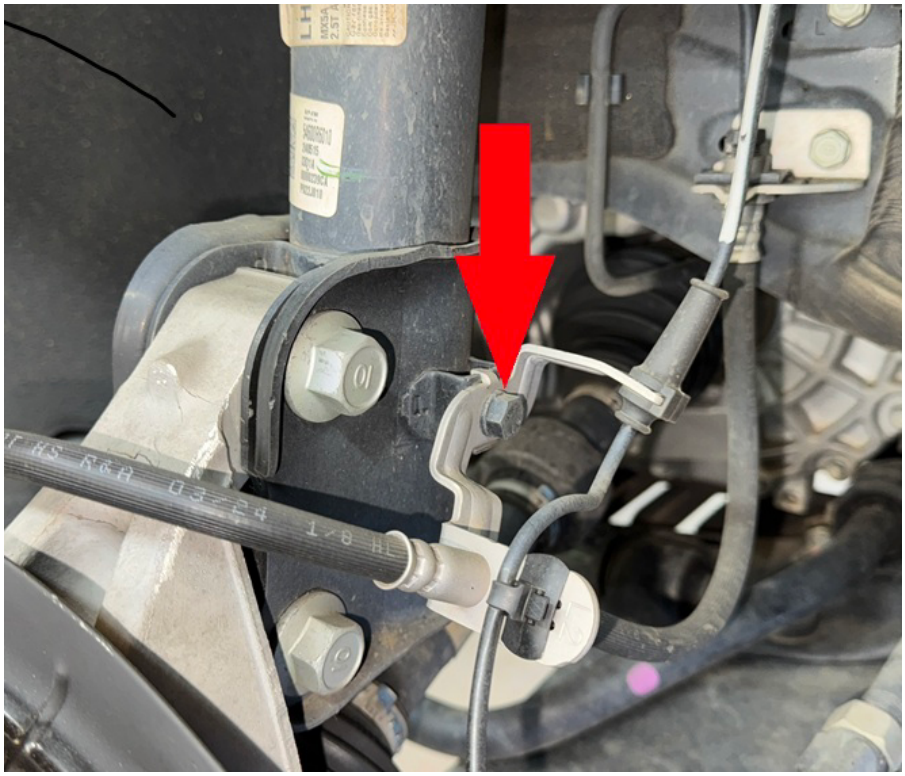
GENERAL TORQUE SPECIFICATIONS:
M8 24ft lbs
M10 55ft lbs
M12 85ft lbs
M14 125ft lbs
M16 175ft lbs

Front installation:

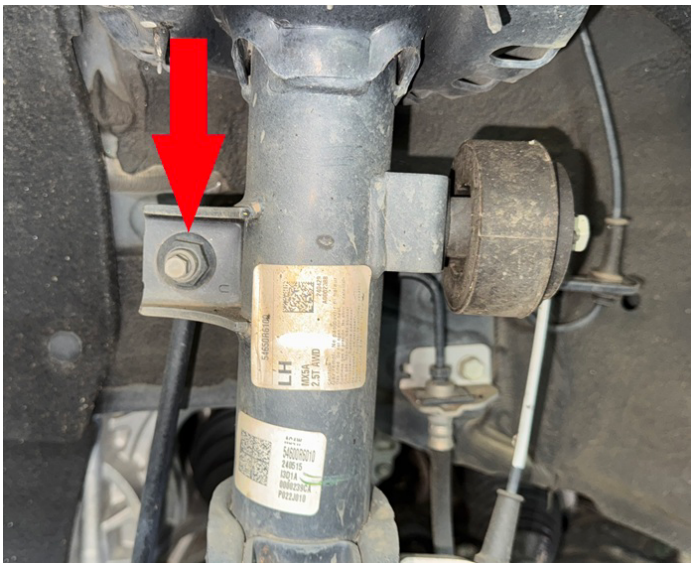
Step 1. Lift vehicle and support with jack stands.

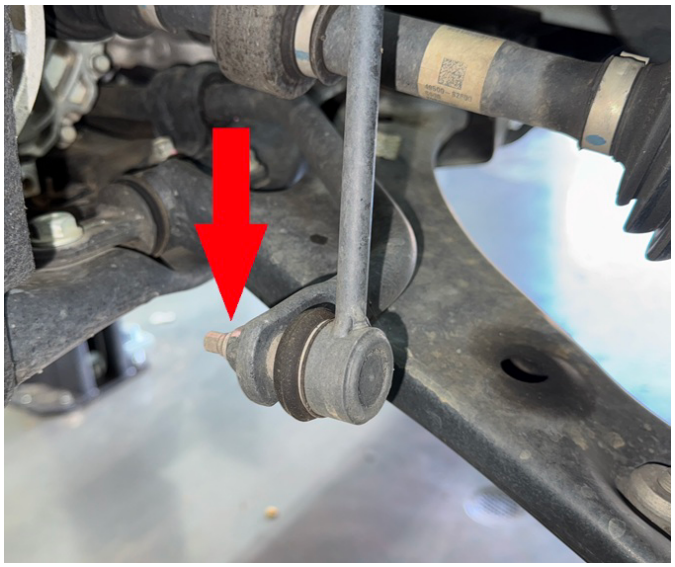
Step 2. Remove wheels.

Step 3. Remove brake/ABS lines from driver side strut.

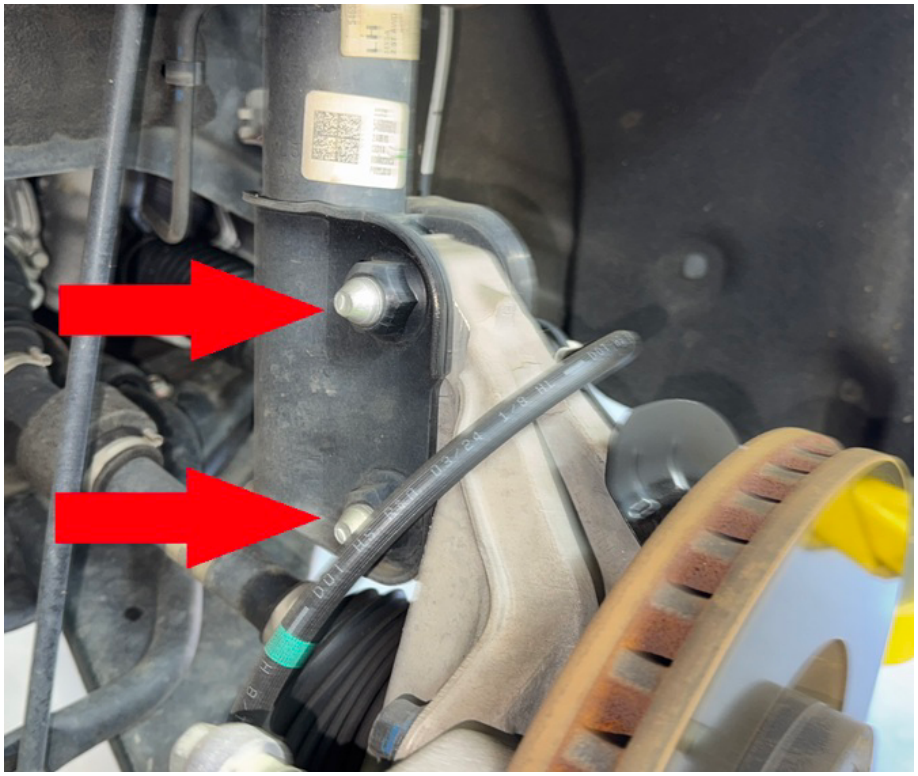


Step 4. Using 17mm wrench and 8mm wrench, remove sway bar link.





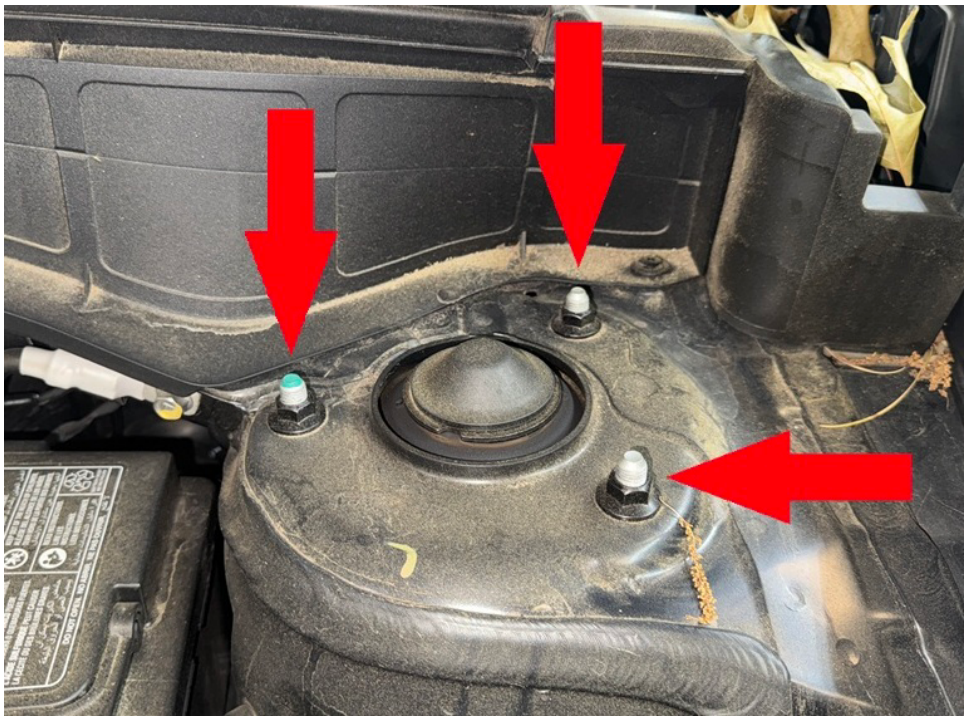
Step 5. Remove nuts connecting strut to knuckle. Tap bolts out with a hammer.



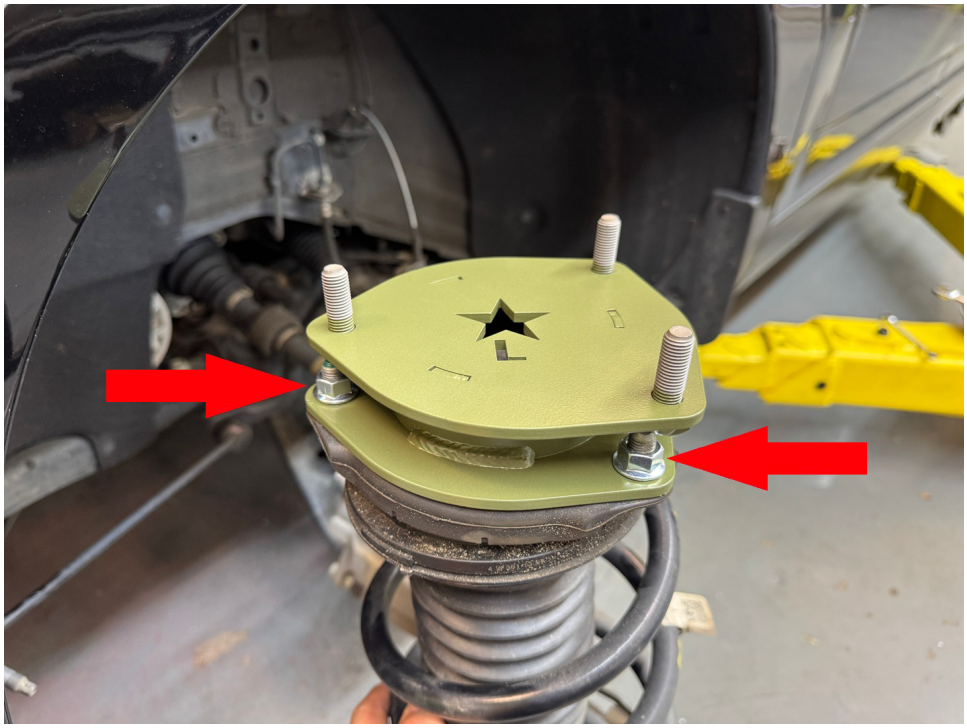
NOTE: Do not allow the hub to fall loose, as the axle may come out of the inner CV joint.

Step 6. Support knuckle with floor jack or screw jack.

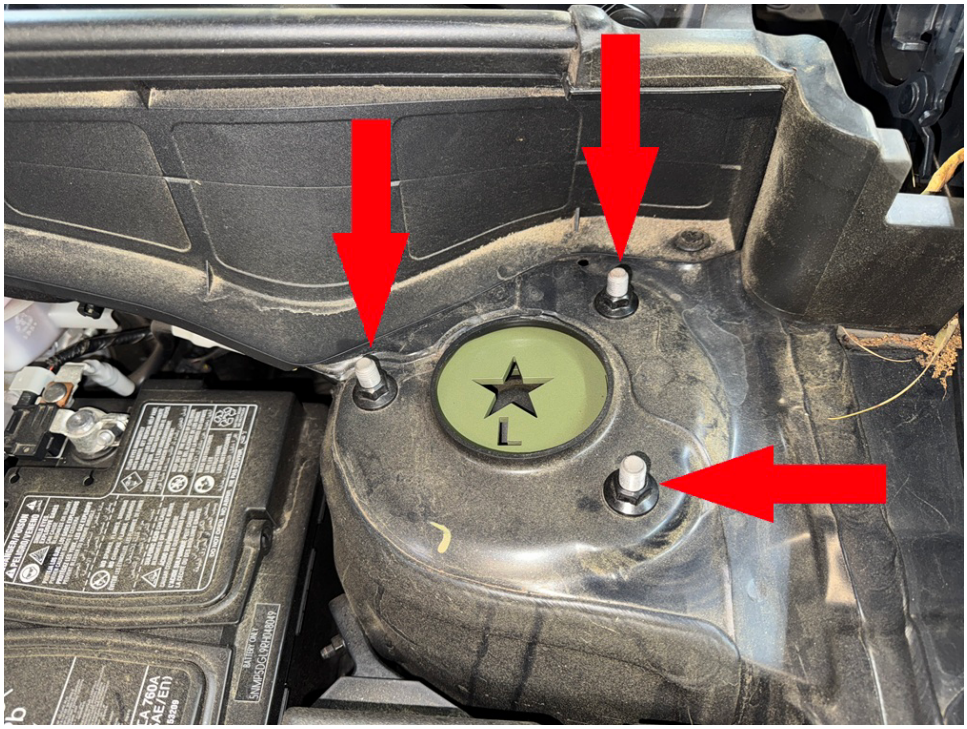
Step 7. Remove 14mm nuts at the top of the strut connecting strut to strut tower. Remove strut. Save hardware for reinstallation.



Step 8. Attach lift spacers onto strut using supplied M10 nuts as shown.

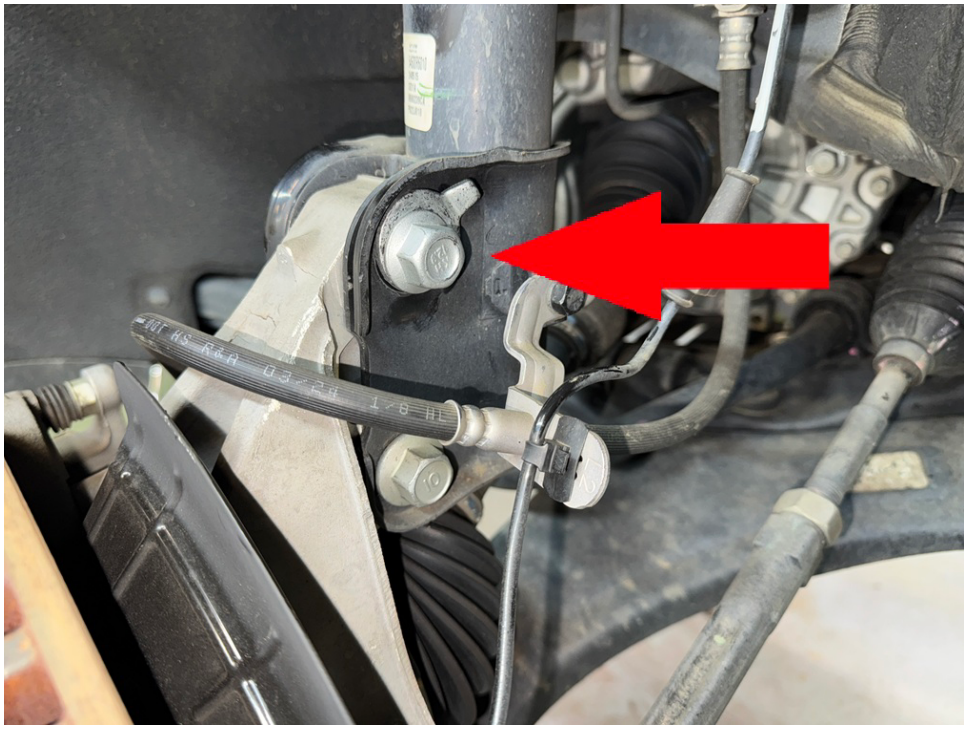


Step 9. Reinstall strut into shock tower with spacer attached, using original hardware.



Step 10. Install lower bolt connecting strut to knuckle.

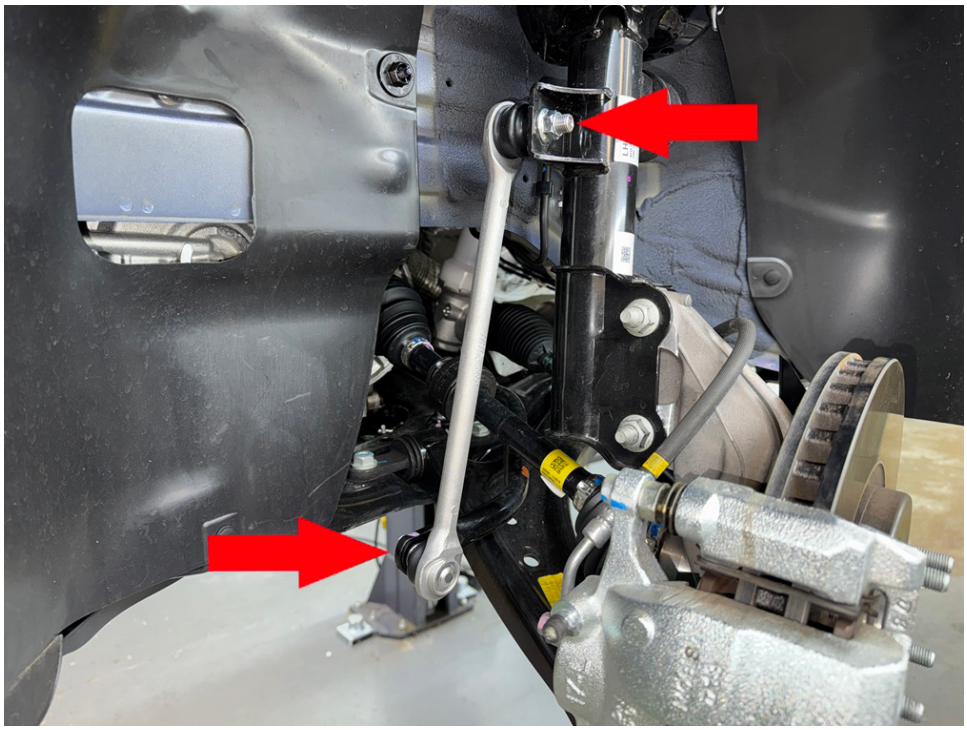
Step 11. Install offset camber adjustment bolt in place of upper strut bolt.



Step 12. Reinstall bolt holding brake and ABS lines.

Step 13. Repeat installation process for passenger side.

Step 14. Install shorter sway bar end links included with the kit. (links will not line up until both sides are lifted)



Step 15. Double check all bolts.

Rear installation:

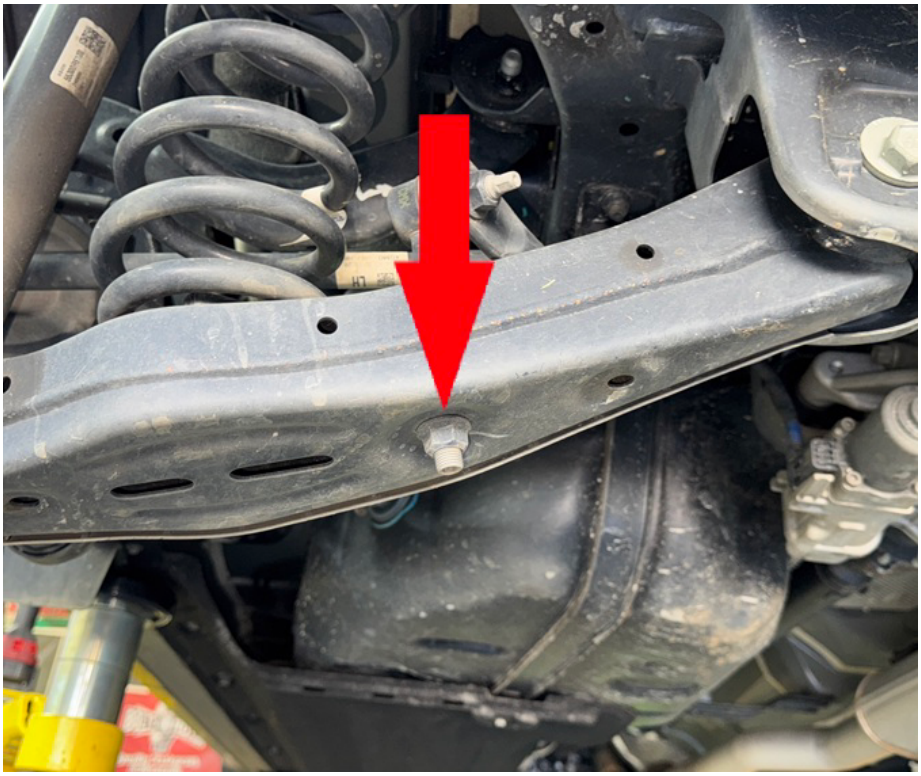
Step 1. Lift vehicle and support with jack stands.

Step 2. Remove wheels.

Step 3. Starting on the driver side: Remove bolt holding brake hardline to body.

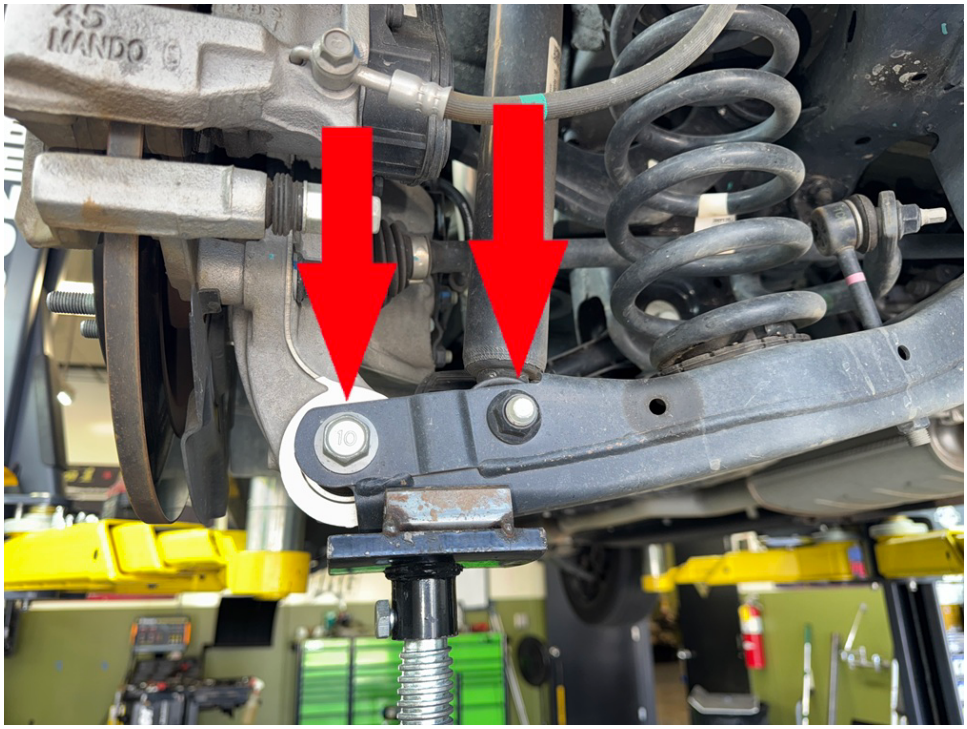
Step 4. Install brake line relocation bracket as shown:

Step 5. Disconnect sway bar end link from lower control arm.



Step 6. Support rear lower control arm with screw jack or floor jack.

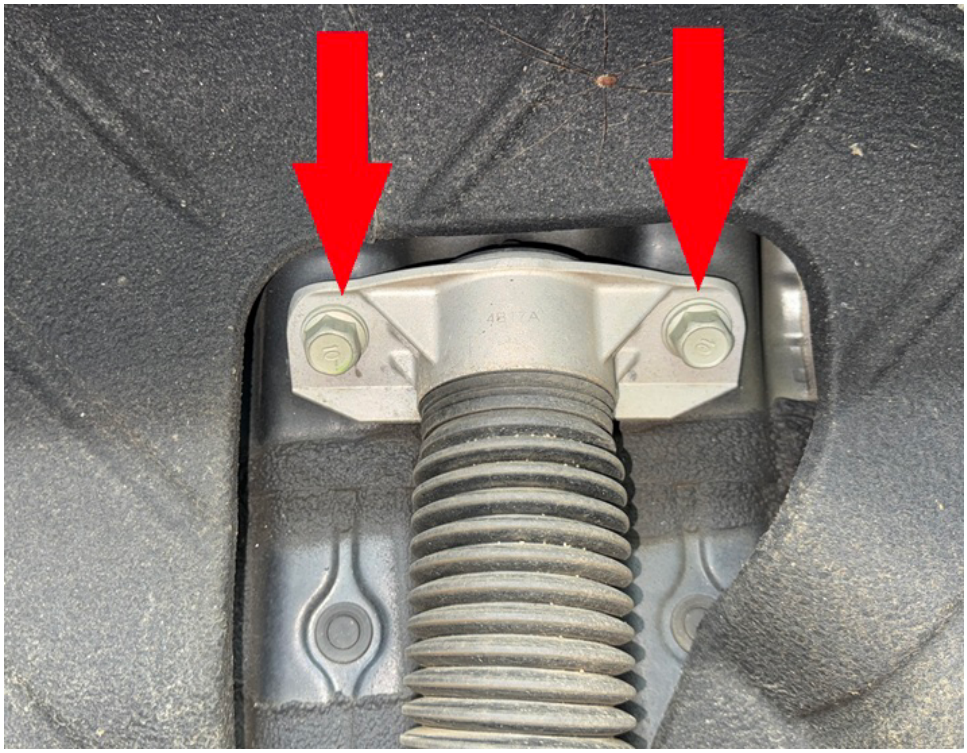
Step 7. Remove shock mounting bolt and rear wheel hub mounting bolt from lower control arm.



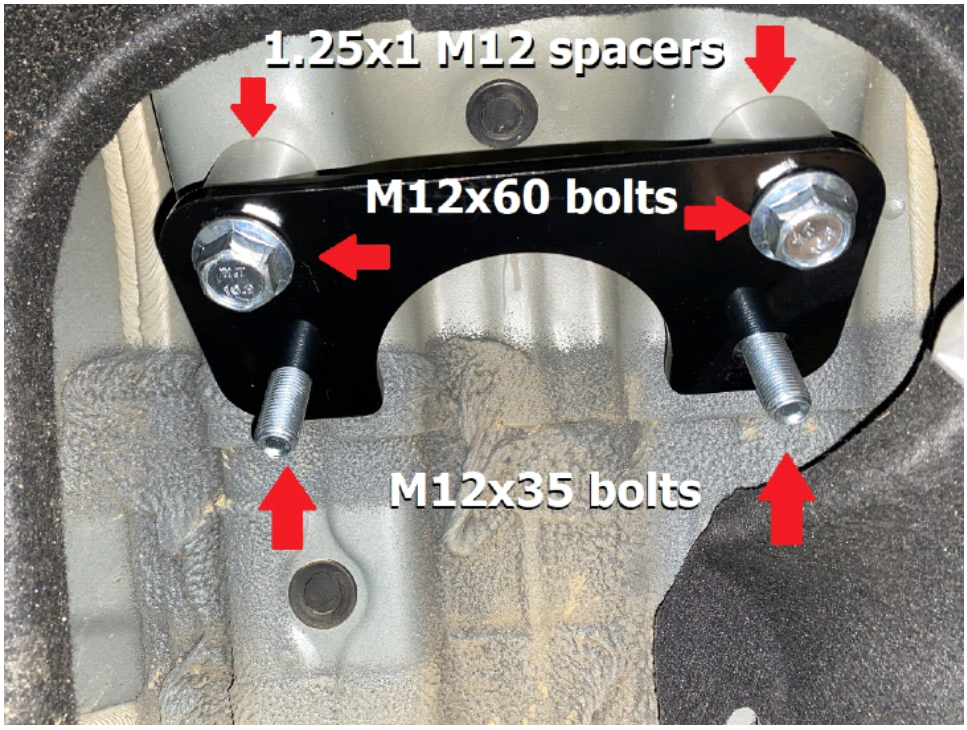
Step 8. Carefully release spring tension by lowering jack or screw jack.

Step 9. Remove spring and upper rubber isolator.

Step 10. Remove 2 bolts holding shock to body of vehicle.



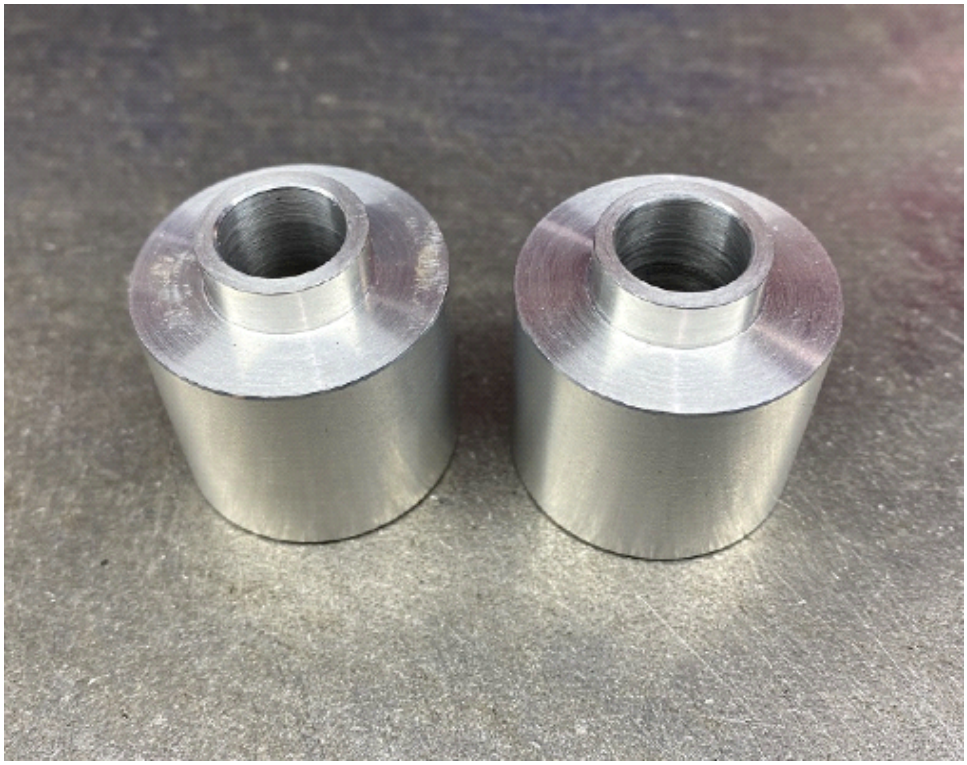
Step 11. Install rear shock relocation bracket as shown:



Step 12. Install rear shock absorber as shown:

Step 13. Remove 2 bolts holding trailing arm to body.

Step 14. Place 1.25x1 M12 machined spacers between trailing arm and body.



Step 15. Install provided M12x60 bolts to secure trailing arm.

Step 16. Place rubber isolator over rear spring spacer.

Step 17. Install spring and spacer.

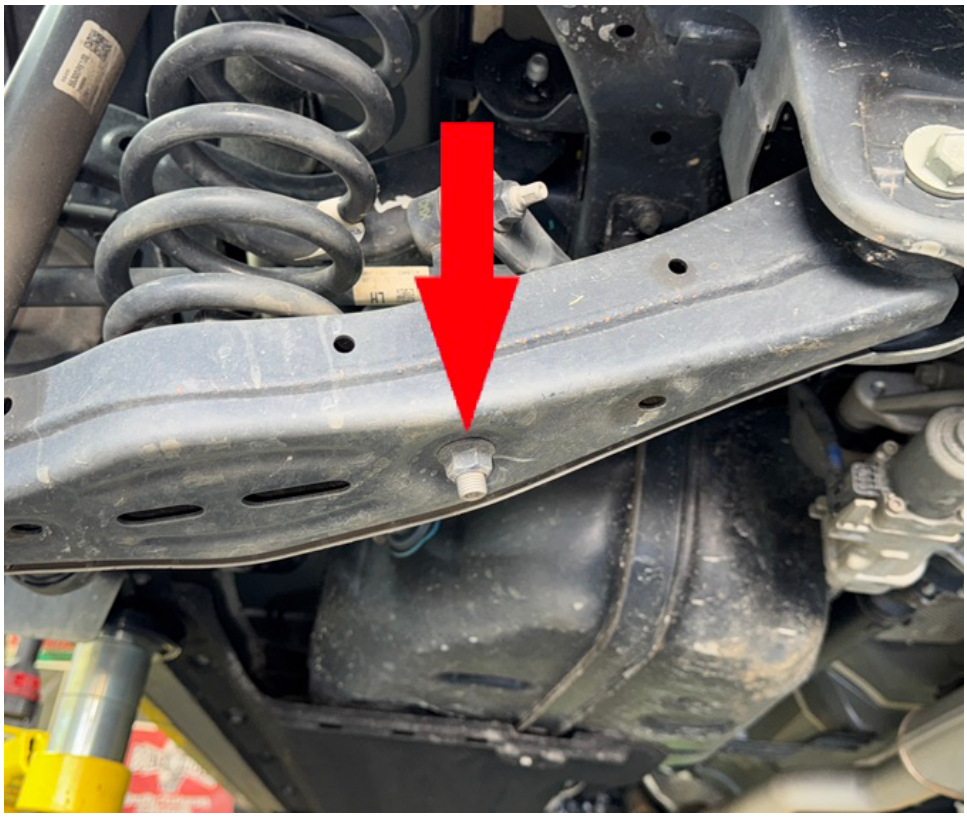
Step 18. Using a jack, lift lower control arm until shock bolt holes line up.

Step 19. Reinstall bolt holding shock to lower control arm.

Step 20. Using a jack, lift lower control arm into position to line up bolt hole on wheel hub.

Step 21. Reinstall bolt holding lower control arm to wheel hub.

Step 22. Reinstall sway bar end link.



Step 23. With the lower control arm lifted up (simulating the position it will be in with the car on the ground) tighten all bolts.

Note: Tightening the bolts with the arms at full droop may cause premature bushing failure.

Step 24. Repeat installation process for passenger side.

Step 25. Reinstall wheels and lower vehicle.

*VEHICLE MAY APPEAR TO SIT EXTREMELY HIGH AT FIRST. ROLL VEHICLE FORWARD AND BACK TO SETTLE SUSPENSION!

Step 26. Get a professional 4 wheel alignment.

Step 27. 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!!