HRG OFFROAD.COM

TELLURIDE

2027+ Kia Telluride 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:

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 5401 (1 left, 1 right)
2 1.0" rear lift spacers 5402
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 M12x70mm 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)

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 2-3 hours

Skill level: Easy

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

Installation video:

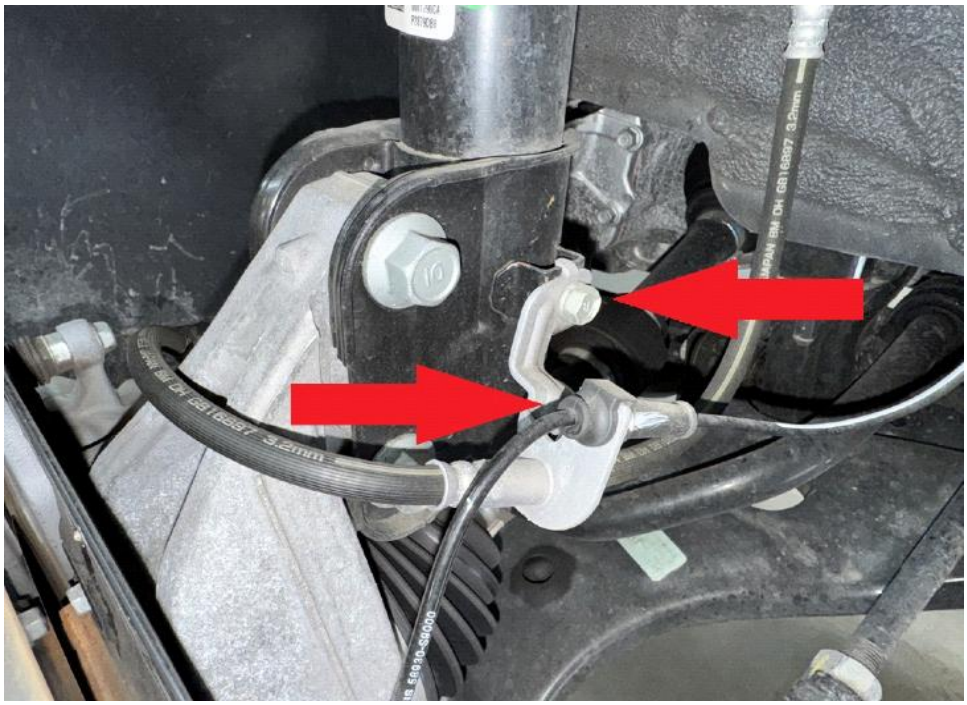
Front installation:

Step 1. Lift vehicle and support with jack stands.

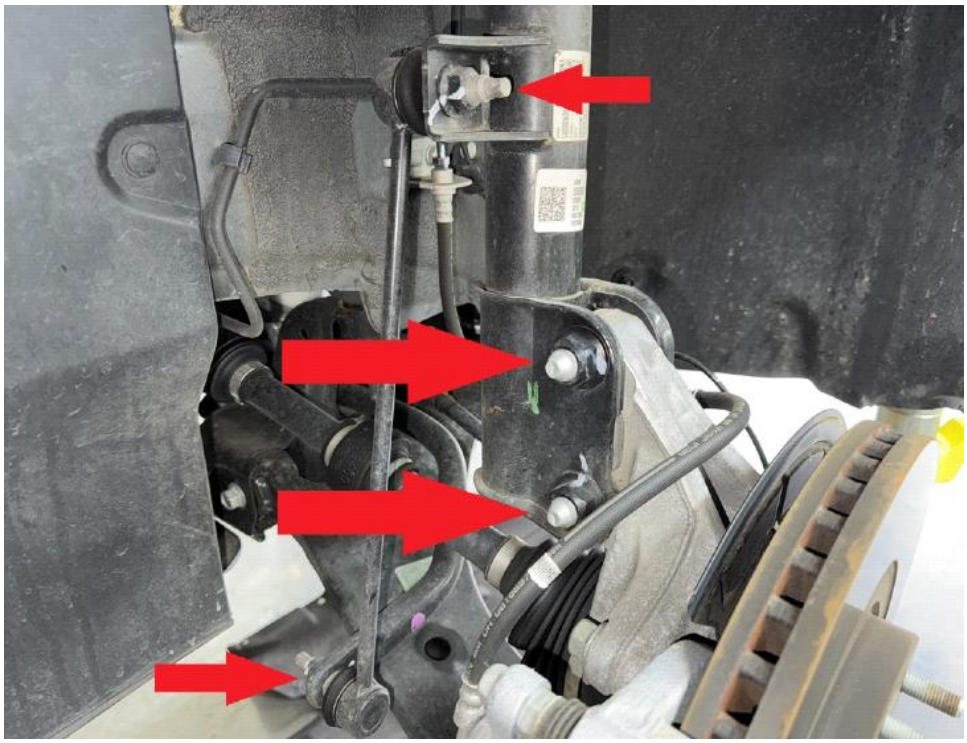
Step 2. Remove wheels.

Step 3. Remove sway bar link.

Step 4. Remove brake/ABS lines from driver side strut.



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

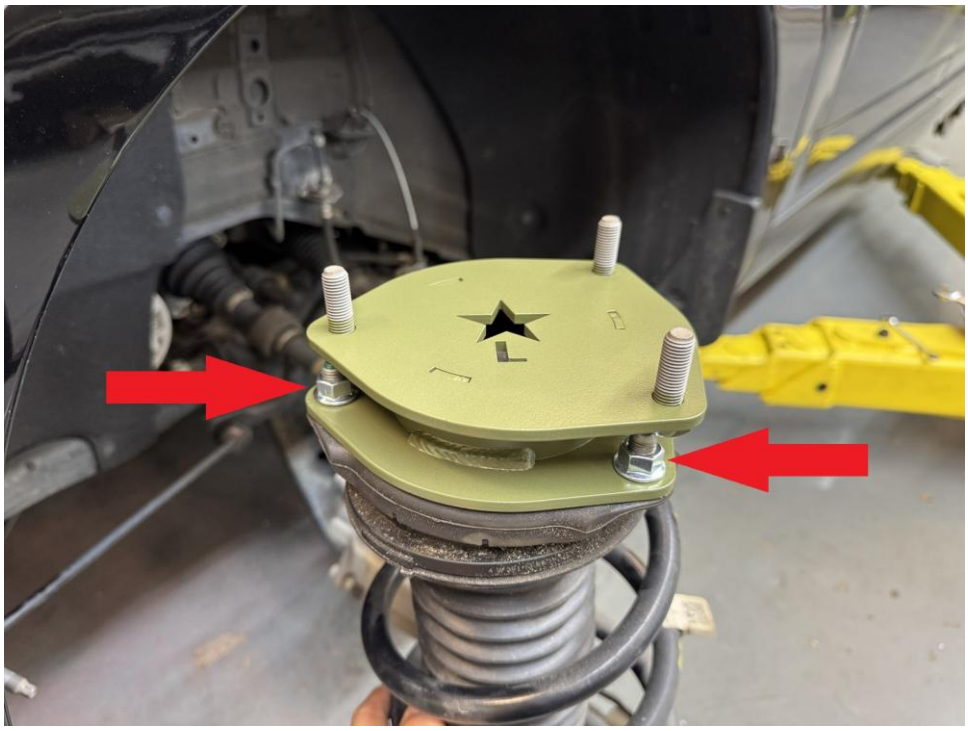


NOTE: Do not allow the hub to fall loose, as the axle may come out of the inner CV joint.

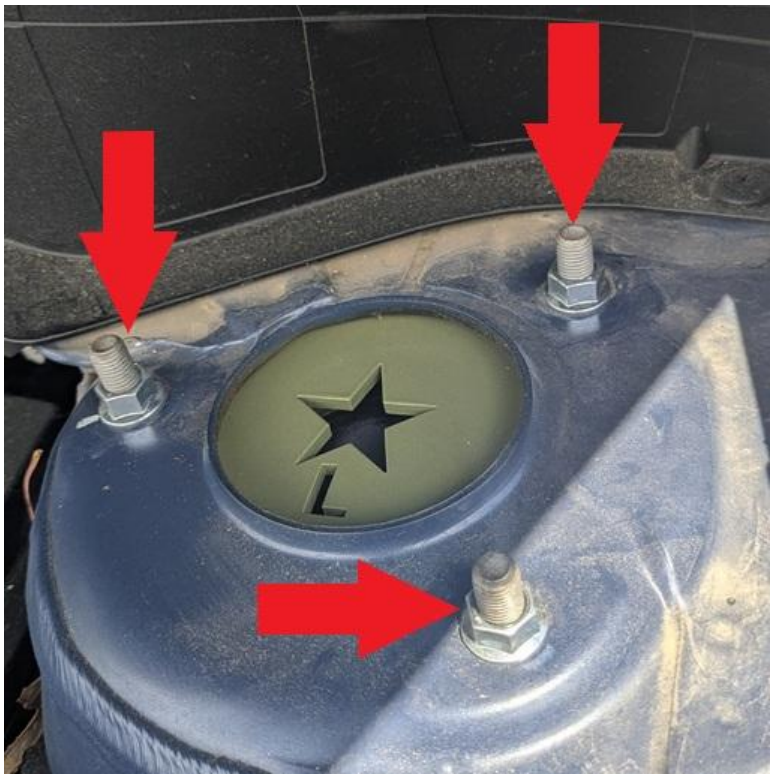
Step 6. Support knuckle with floor jack or screw jack.

Step 7. Remove 3 bolts holding strut to shock tower.

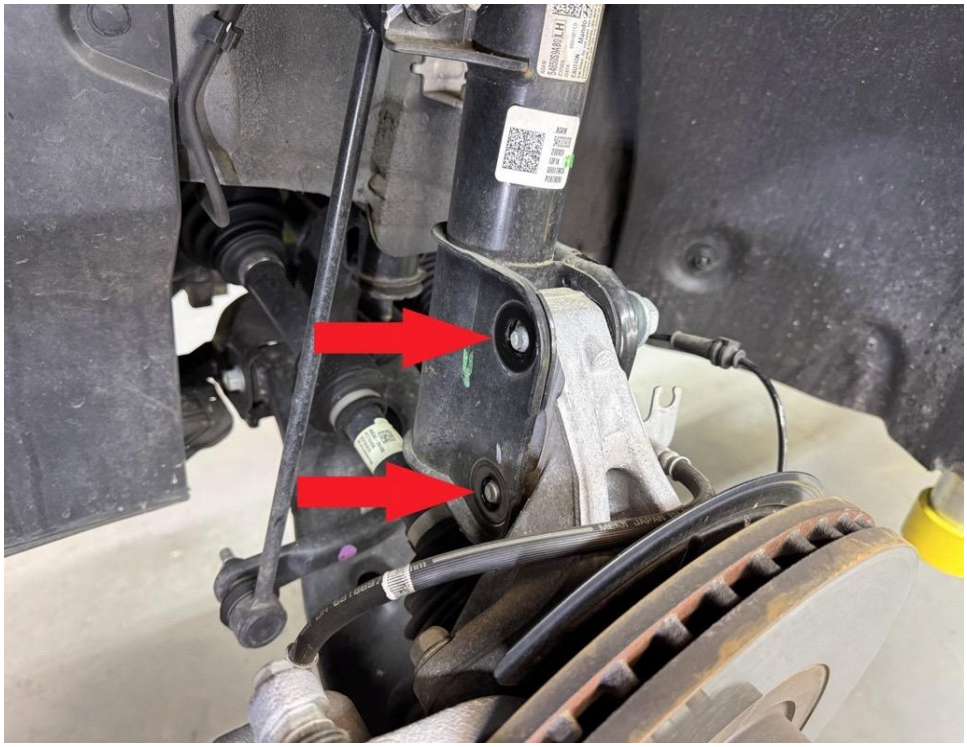
Step 8. Attach lift spacers onto strut using supplied M10 nuts as shown.



Step 9. Reinstall strut into shock tower with spacer attached, using original hardware. **Spacer marked "L" is for DRIVER SIDE on U.S. models, spacer marked "R" is PASSENGER SIDE on U. S. models.**



Step 10. Install bolts connecting strut to knuckle.

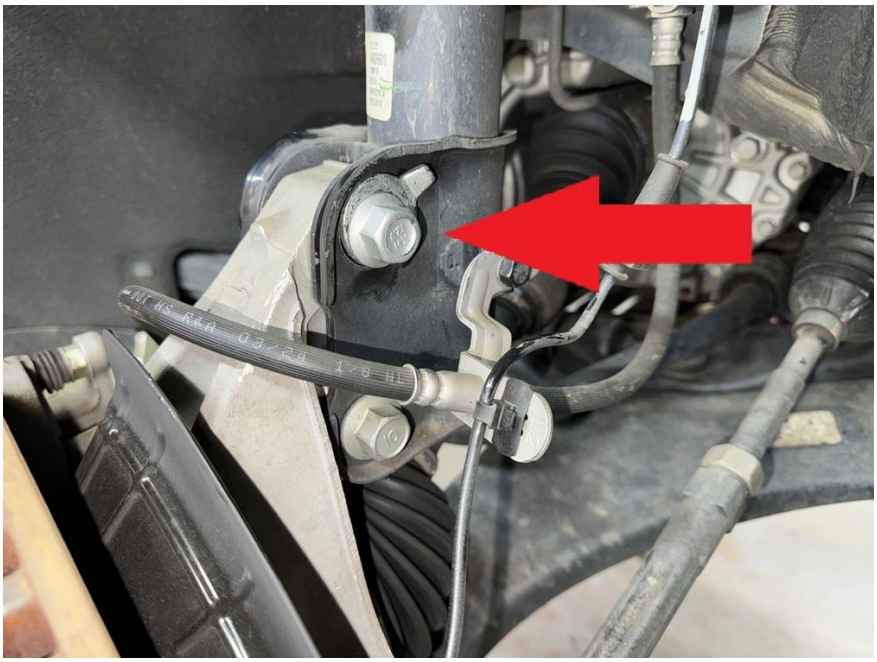


Step 11. Once everything is assembled and tight, Remove the TOP BOLT ONLY holding the strut to the wheel hub and replace with 16mm camber bolt. Do not tighten camber bolt yet.

Step 12. Loosen bottom bolt, then rotate the camber bolt until it provides maximum negative camber (top of the wheel tilted inward), then tighten both bolts.

NOTE: Alignment technician will make final adjustments. BE SURE to tell your alignment shop that you have front

camber adjustment bolts installed!



Step 13. Reinstall bolt holding brake and ABS lines.

Step 14. Repeat installation process for passenger side.

Step 15. Reinstall sway bar end links **(Sway bar end links will not line up until both sides are lifted)**

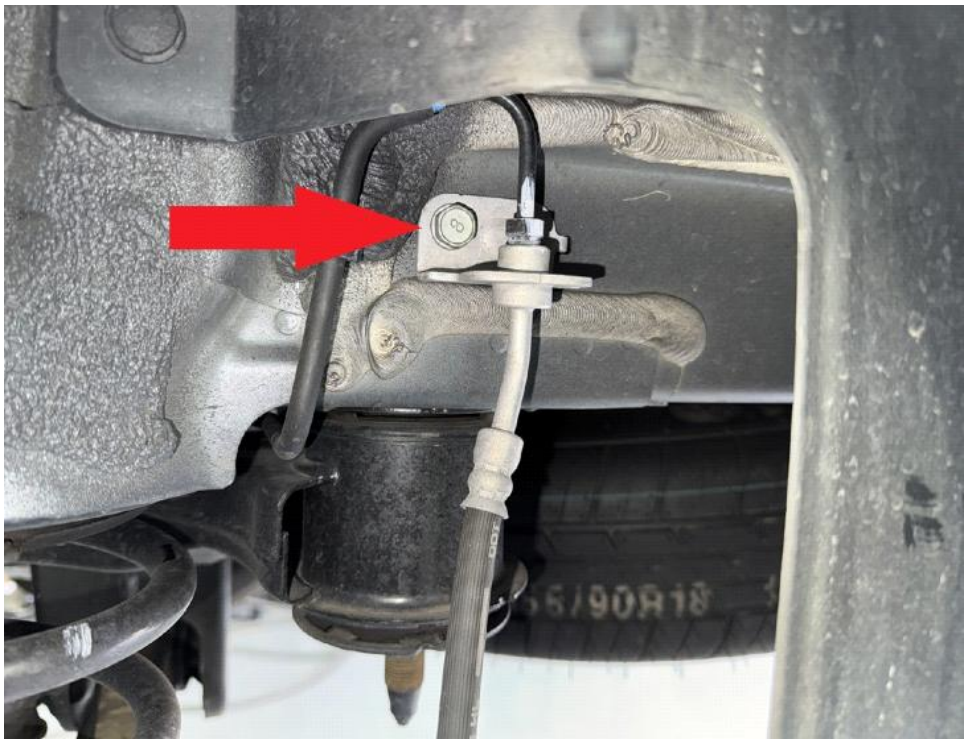
Step 16. Double check all nuts and bolts.

Rear installation:

Step 1. Lift vehicle and support with jack stands.

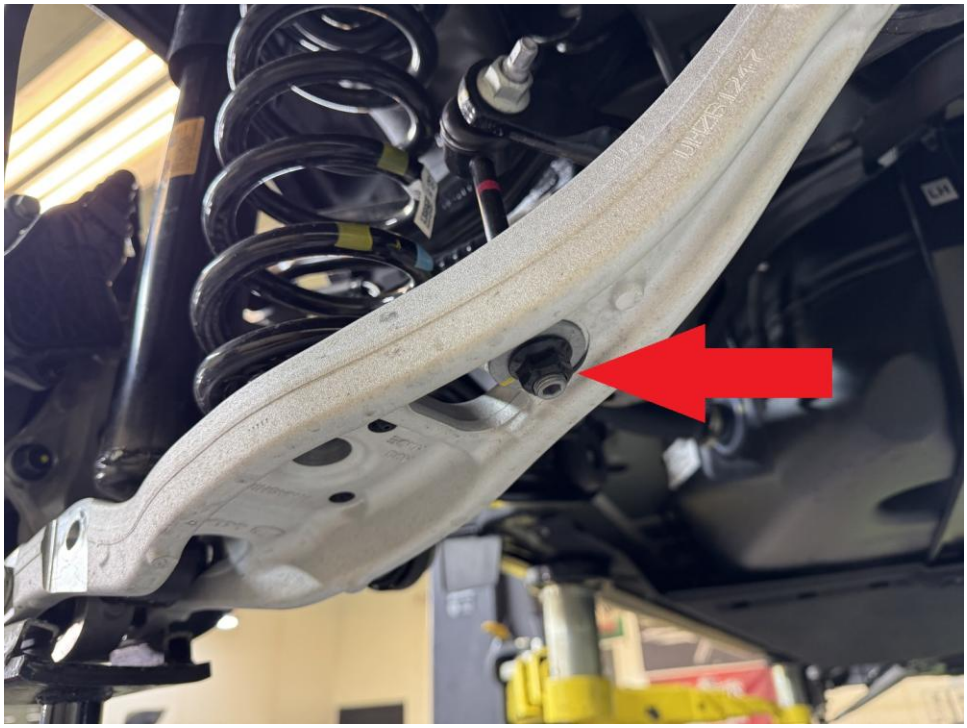
Step 2. Remove wheels.

Step 3. Remove bolt holding brake hardline to body.



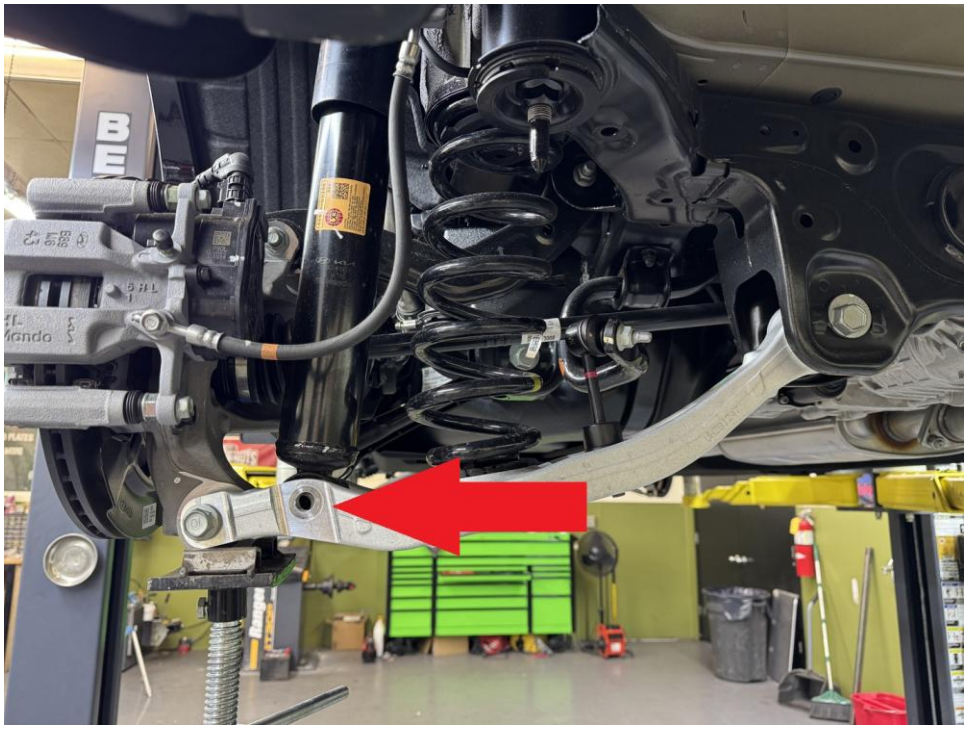
Step 4. Install brake line relocation bracket as shown:

Step 5. Disconnect rear sway bar from lower control arm.



Step 6. Support lower control arm with hydraulic floor jack.

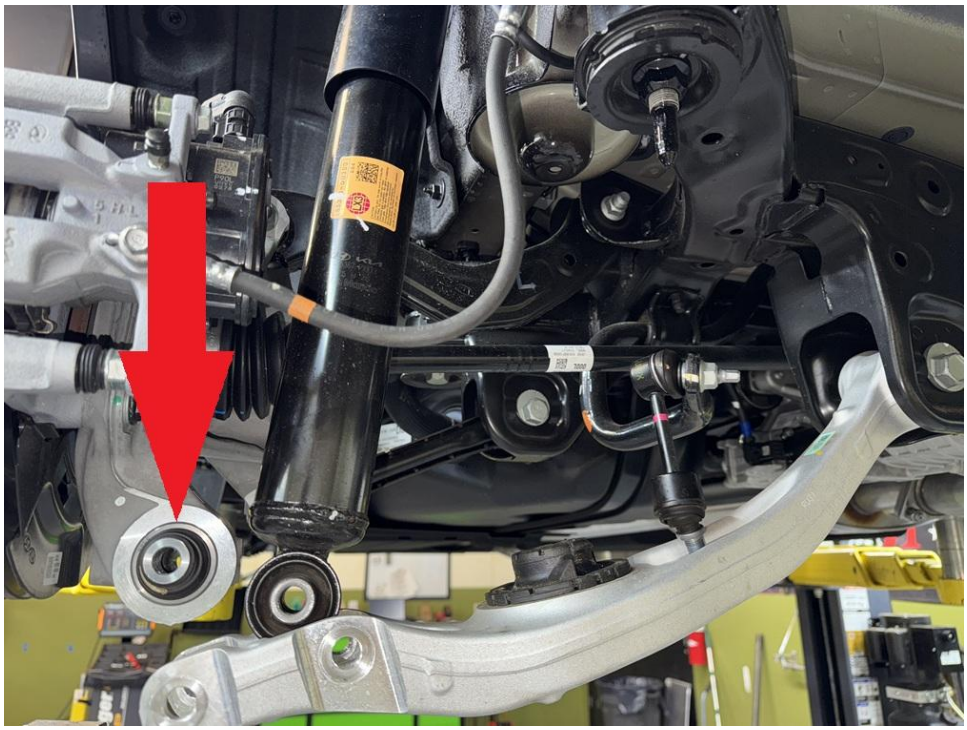
Step 7. Remove shock mounting bolt from lower control arm.



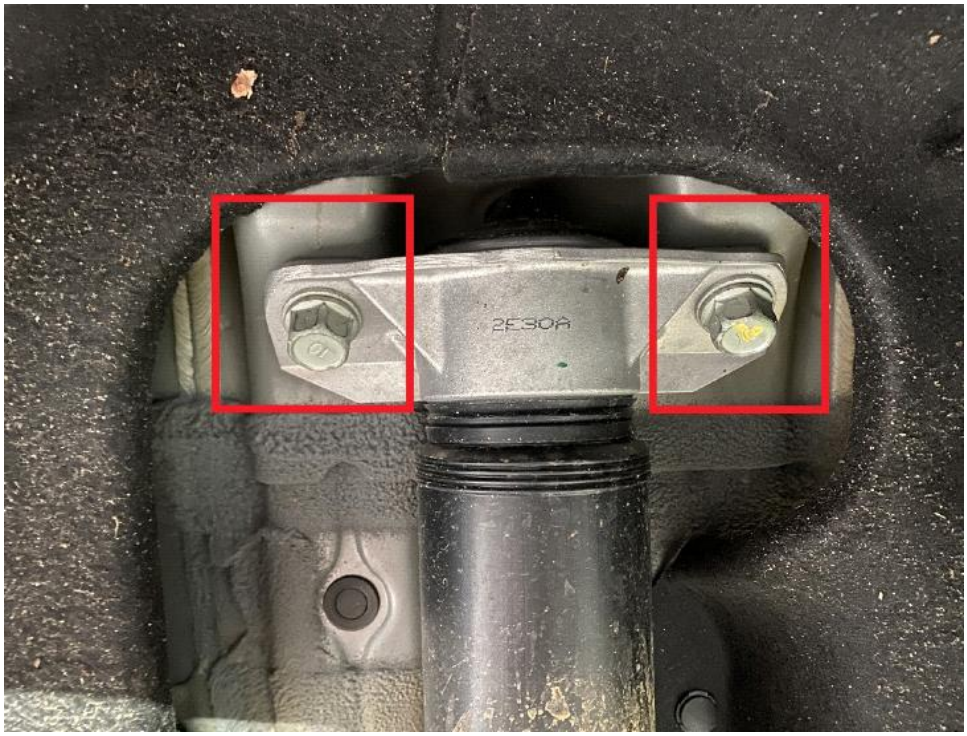
Step 8. Remove bolt holding lower control arm to wheel hub.

Step 9. Carefully release spring pressure by lowering floor jack.

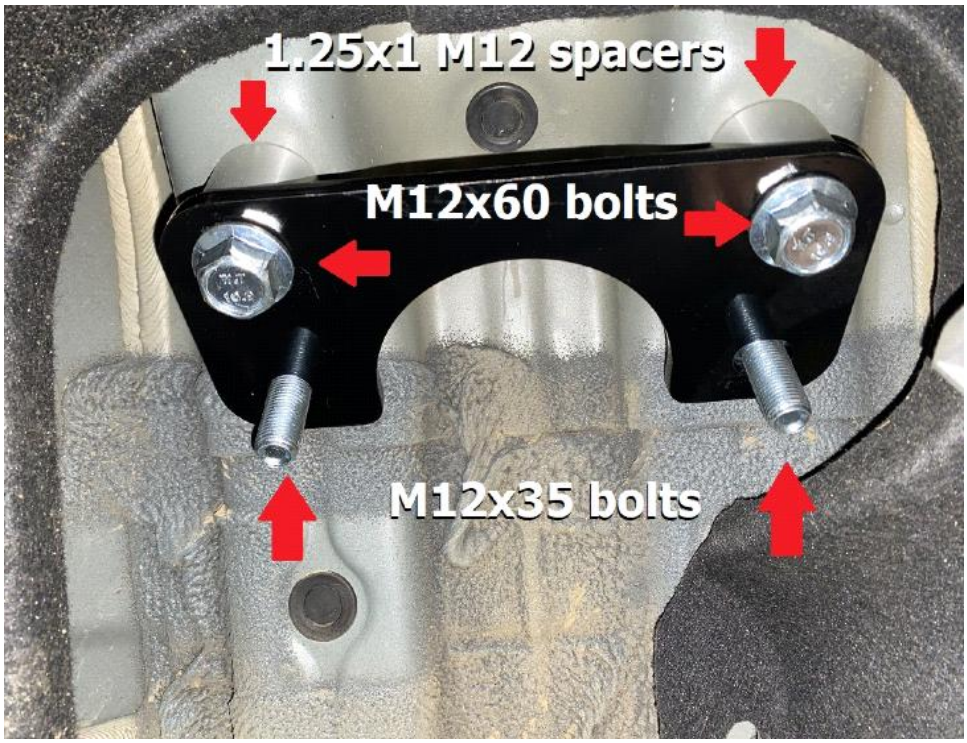
Step 10. Remove spring and upper rubber isolator.



Step 11. Remove 2 bolts holding shock to wheel well.



Step 12. Install rear shock relocation bracket as shown:

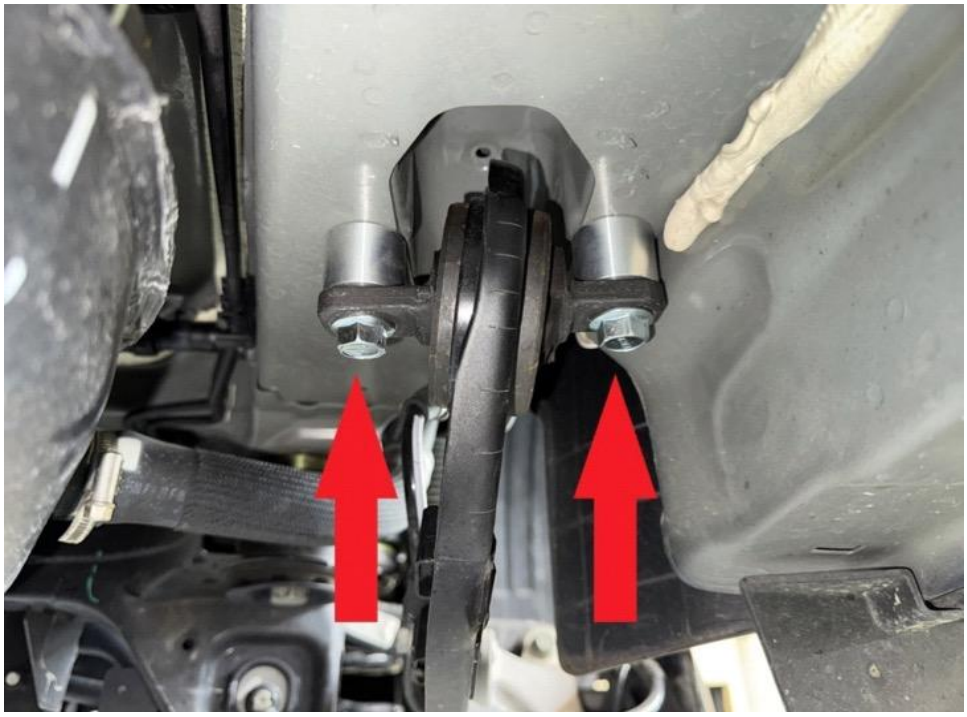


Step 13. Install rear shock absorber as shown:

Step 14. Remove 2 bolts holding driver side trailing arm to body.

Step 15. Place provided 1.25x1 M12 machined spacers between trailing arm and body.

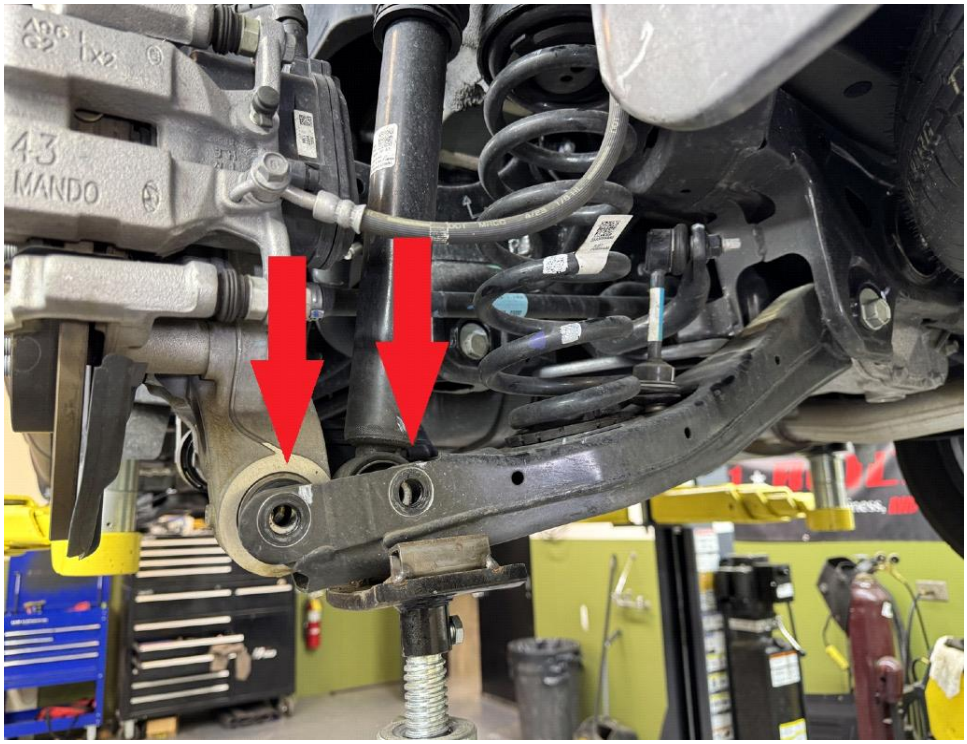
Step 16. Install provided M12x70 bolts to secure trailing arm.



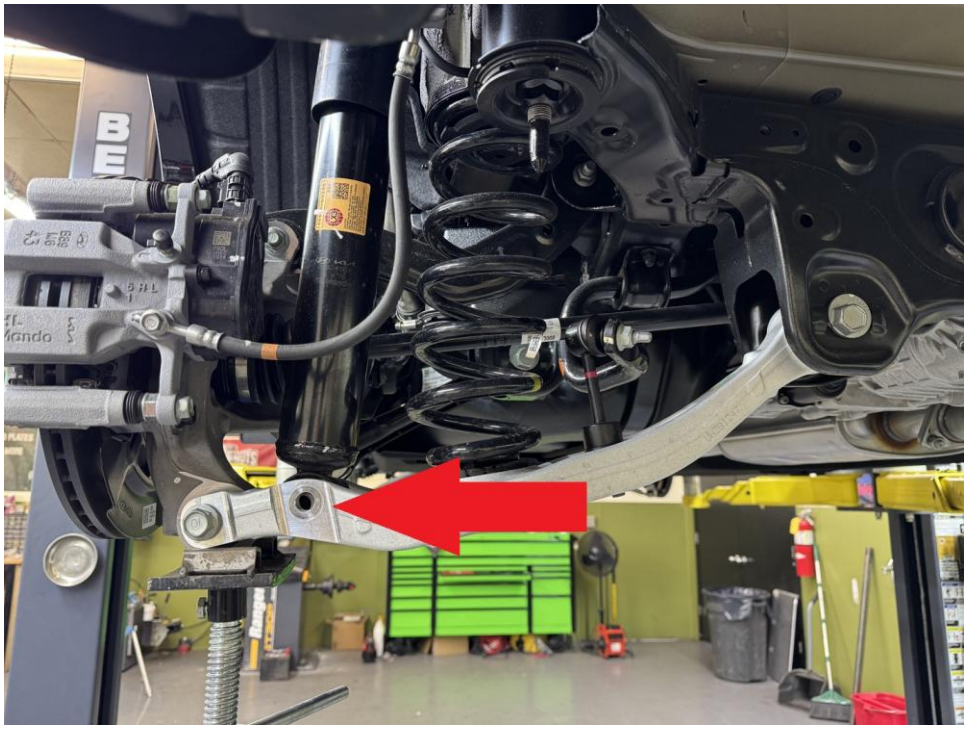
Step 17. Place rubber isolator over rear spring spacer.

Step 18. Install spring and spacer. Be sure to rotate the spring so that it fits neatly in the relief cut in the lower rubber isolator. (see photos)

Step 19. Using a jack, lift lower control arm until shock bolt holes line up.

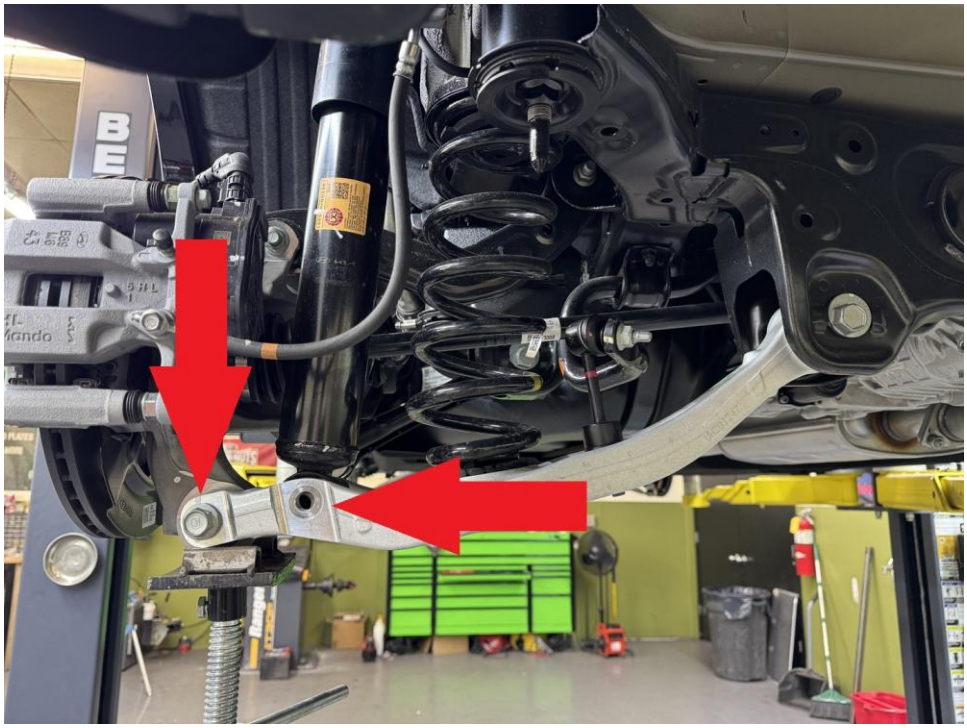


Step 20. Reinstall bolt holding shock to lower control arm.

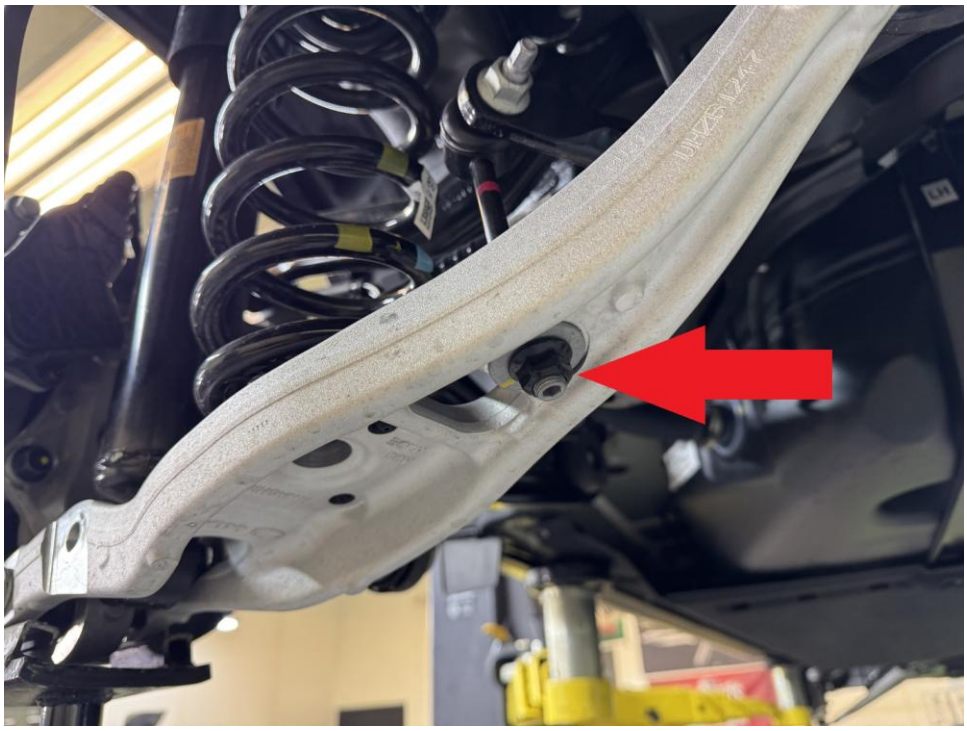


Step 21. Using a jack, lift lower control arm into position to line up bolt hole on wheel hub.

Step 22. Reinstall bolt holding lower control arm to wheel hub.



Step 23. Reinstall sway bar end link.

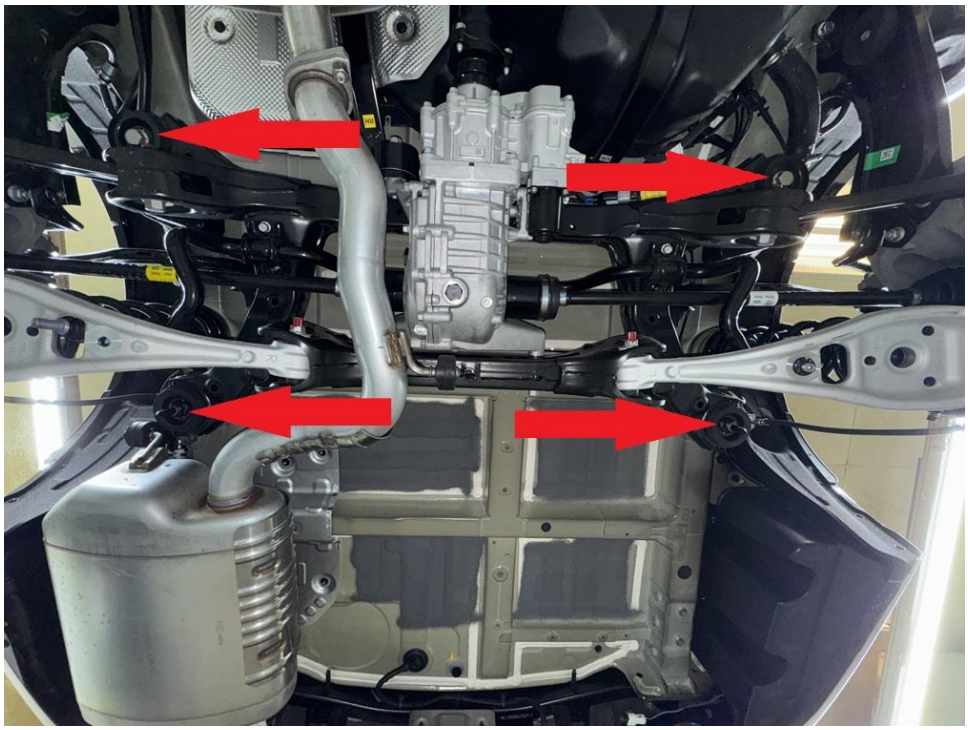


Step 24. With the lower control arm lifted up (simulating the position it will be in with the car on the ground) tighten all bolts.

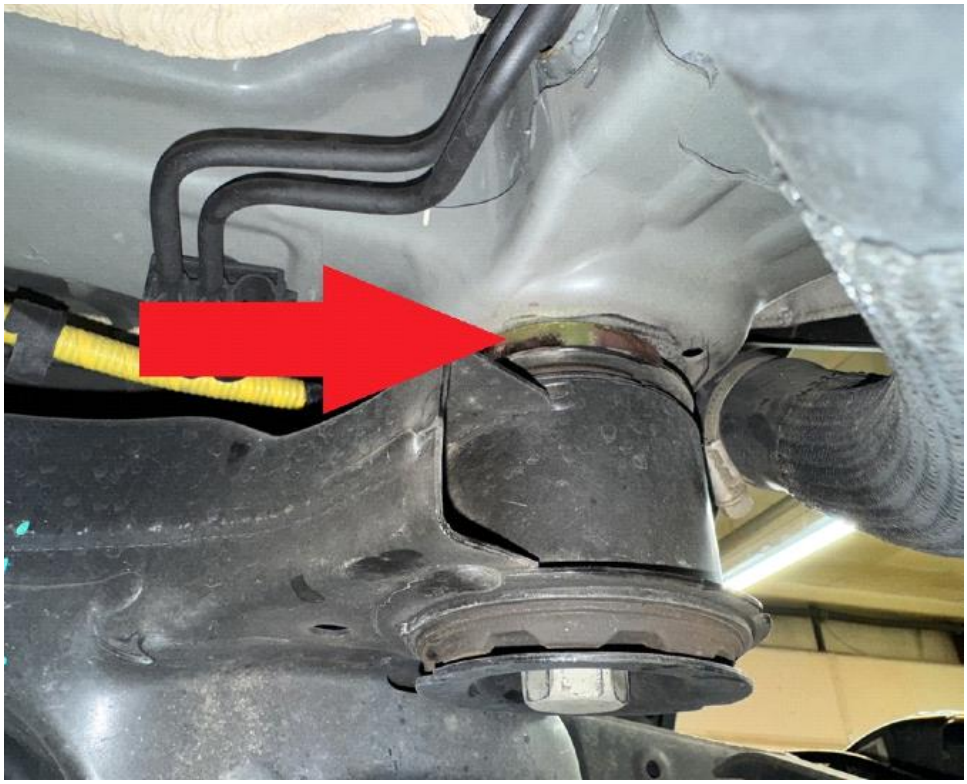
Note: Tightening the bolts with the arms in the air may cause premature bushing failure.

Step 25. Repeat installation process for passenger side.

Step 26. Loosen, but DO NOT REMOVE 2 bolts and 2 nuts holding the subframe to the body. Allow subframe to drop approximately 1/2 inch (13mm)



Step 27. Place 2 "G" spacers between subframe and body on FRONT 2 bolts. Tighten bolts.



Step 28. Place 2 "C" spacers between subframe and body on REAR 2 studs. Tighten nuts.

Step 29. Reinstall wheels and lower vehicle.

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

Step 30. Get a professional 4 wheel alignment.

Step 31. 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:

__ SAN2225F-1.5 **5401** (1 L, 1 R)

__ SAN2225R-1.0 **5402** (2)

__ SORRBLB (1 pack of 2)

__ SAN2225-RSE **9030** (2)

1 Bolt Pack:

__ M12-1.25x60 (4)

__ M12-1.25x70 (4)

__ M12 Nuts (4)

__ SC Trailing Arm Spacers (1 pack of 4)

__ M12 Stepped Spacers (1 Pack of 4)

__ 2.75x0.5 "G" spacers (2)

__ 2.75x0.5 "C" spacers (2)

__ Sticker

__ Instruction Card