Rough Country 99900 Installation Instructions

4.5-Inch Lift Kit for Daihatsu Hijet Jumbo (2021)

Part number: 99900

trailfortress.com/rough-country-4-5-inch-lift-kit-99900

Scan for fitment, price and install help



DAIHATSU HIJET JUMBO 4.5” LIFT KIT

Thank you for choosing Rough Country for all your suspension needs.
Rough Country recommends a certified technician install this system. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

Please read instructions before beginning installation. Check the kit hardware against the parts list. Be sure you have all needed parts and know where they go. Also please review the tool list and make sure you have the necessary tools to install the kit.

PRODUCT USE INFORMATION

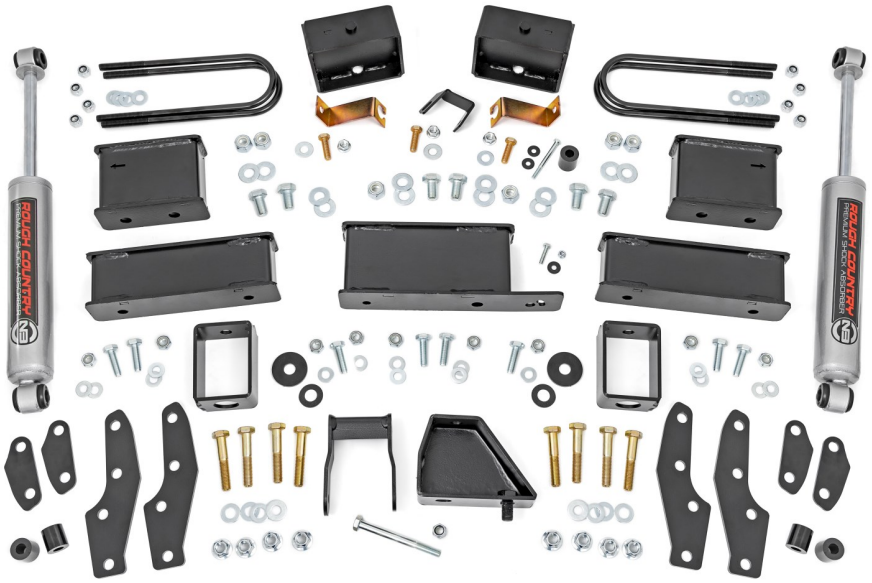
⚠WARNING As a general rule, the taller a vehicle is, the easier it will roll. We strongly recommend, because of rollover possibility, that seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur. Generally, braking performance and capability are decreased when larger/heavier tires and wheels are used. Take this into consideration while driving. Do not add, alter, or fabricate any factory or after-market parts to increase vehicle height over the intended height of the Rough Country product purchased. Mixing component brands is not recommended.

Rough Country makes no claims regarding lifting devices and excludes any and all implied claims. We will not be responsible for any product that is altered. We will be happy to answer any questions concerning the design, function, and correct use of our products.

⚠NOTICE NOTICE TO DEALER AND VEHICLE OWNER

Any vehicle equipped with any Rough Country product should have a “Warning to Driver” decal installed on the inside of the windshield or on the vehicle’s dash. The decal should act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics. It is your responsibility to install the warning decal and forward these installation instructions on to the vehicle owner for review. These instructions should be kept in the vehicle for its service life.

⚠NOTICE Note to installer : Before installation begins we recommend that a test drive be performed. While driving check for uncommon sounds and/or vibrations . What you feel and hear during the test drive will only magnify once lift kit is installed. Advise you to discuss possible issues identified from drive with customer before proceeding to install this kit.



KIT CONTENTS

99900991

- 99900BAG1
- 99900BAG2
- 99900BAG3
- 2 - Engine Spacer
- Transfer Case Drop Shackle
- Dr. Middle Spacer
- Pass. Middle Spacer
- Dr. Front Spacer
- Pass. Front Spacer
- 2 - Radiator Support Spacer
- 4 - Strut Extension
- 4 - Strut Extension Shim
- Airbox Drop Bracket

99900992

- 2 - Rear Lift Block
- 2 - N3 Shock
- 2 - 20266BAG
- 4 - U-bolt
- 99900BAG4

99900BAG1

- 8 - 12mm x 65mm Bolt
- 8 - 12mm Flange Lock Nut
- 8 - 12mm Flat Washer
- 1 - 6mm x 65mm Bolt
- 1 - 6mm Flat Washer
- 1 - 3/8” Flange Lock Nut
- 1 - 3/8” x 1 1/4” Bolt
- 1 - 3/8” Flat Washer
- 5 - Strut Extension Spacer

99900BAG2

- 6 - 10mm x 35mm Bolt
- 12 - 3/8” Flat Washer
- 6 - 10mm Lock Nut (fine thread)
- 1 - 10mm x 100mm Bolt
- 1 - 10mm Lock Nut (coarse thread)
- 2 - 3/8” x 1 1/4” Bolt
- 4 - 3/8” Flat Washer
- 2 - 3/8” Flange Lock Nut
- 2 - Rear Brake Line Bracket
- 2 - Radiator Support Spacer Pinch Washer
- 2 - Radiator Support Spacer Pilot Washer

99900BAG3

- 6 - 14mm x 25mm Bolt
- 12 - 9/16” Flat Washer
- 6 - 14mm Lock Nut
- 2 - 10mm x 35mm Bolt
- 3 - 3/8” Flat Washer
- 1 - 10mm Lock Nut
- 1 - 6mm x 25mm Bolt
- 1 - 6mm Lock Nut
- 1 - 6mm Flat Washer

99900BAG4

- 8 - 7/16” Flat Washer
- 8 - 7/16” Lock Nut

20266BAG

- 2 - Sleeve
- 1 - Sleeve

Tools Required:

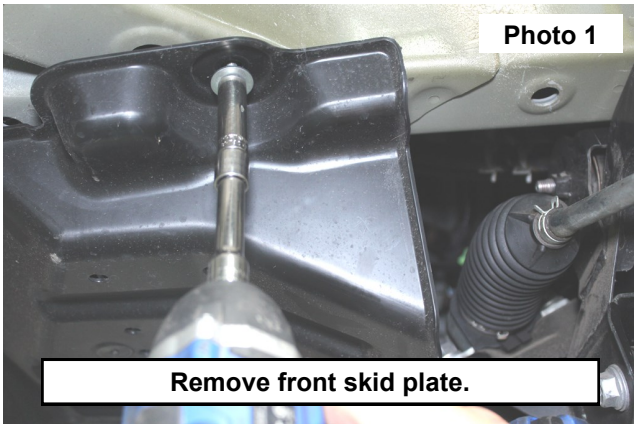
10mm Wrench/Socket
14mm Wrench/Socket
16mm Wrench/Socket
17mm Wrench/Socket
21mm Socket
7/16” Wrench
5/8” Wrench/Socket
Ratchet Wrench/Impact Wrench
Transmission Jack
Floor Jack
Jack Stands
Wire Clippers

Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

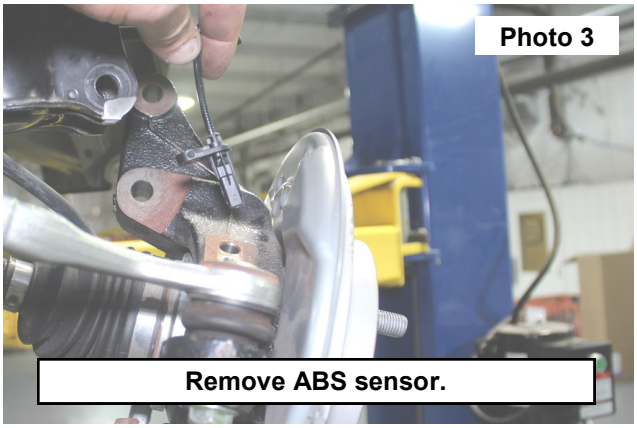
FRONT INSTALLATION INSTRUCTONS

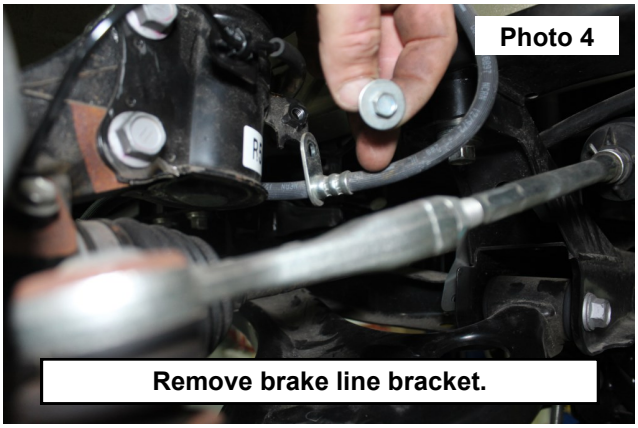
1. Lift the vehicle and support the vehicle with jack stands, so that all four wheels are off the ground.
2. Remove the front tires/wheels using a 21mm socket.
3. Remove the front skid plate using a 10mm socket. Retain hardware for reuse. **See Photo 1.**
4. Remove the front mud flaps using a 10mm socket. Retain hardware for reuse. **See Photo 2.**



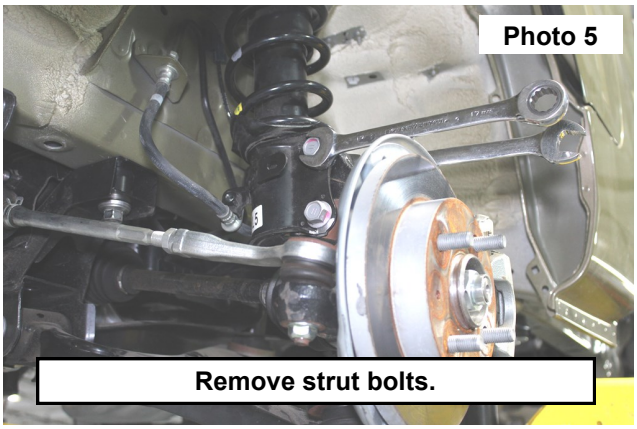


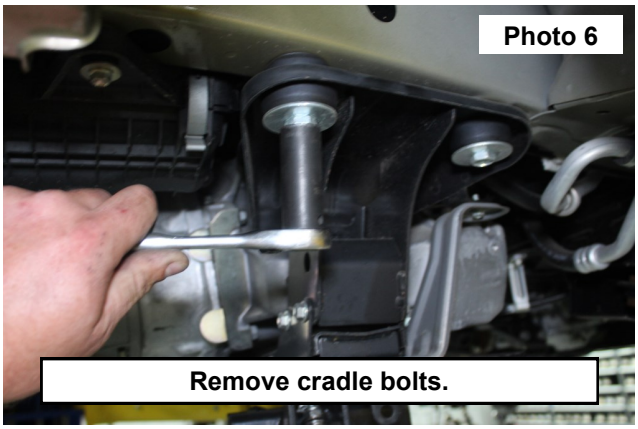
5. Remove the ABS sensor from the steering knuckle using a 10mm socket. Retain hardware for reuse. **See Photo 3.**
6. Unclip the plastic ABS sensor wire from the strut.
7. Remove brake line bracket using a 10mm socket. Retain hardware for reuse. **See Photo 4.**

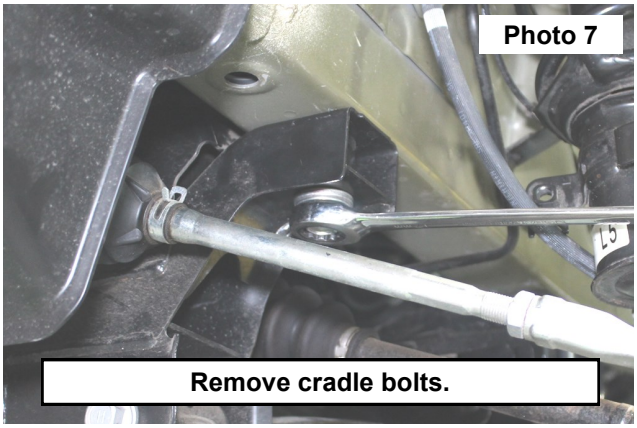


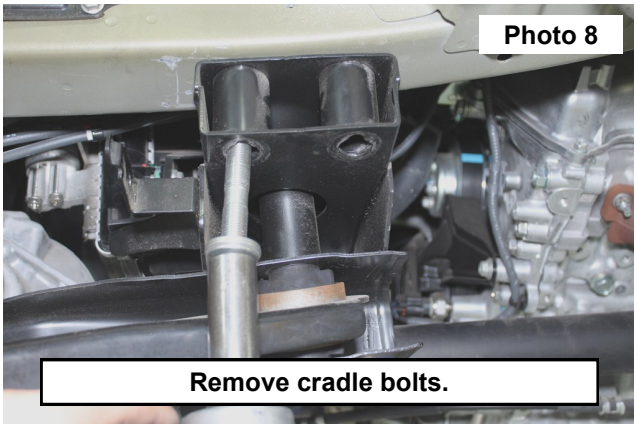


8. Use a 17mm wrench and socket to remove the two factory strut bolts. Retain hardware for reuse. **See Photo 5.**
9. Repeat Step 4 through Step 8 for other side of vehicle.
10. Use a transmission jack support the front differential and transmission.
11. With the jack supporting the differential, remove the ten bolts holding the cradle to the body of the vehicle with a 17mm socket. There will be five on each side in approximately the same location. Retain hardware for reuse. **See Photo 6, Photo 7, and Photo 8.**

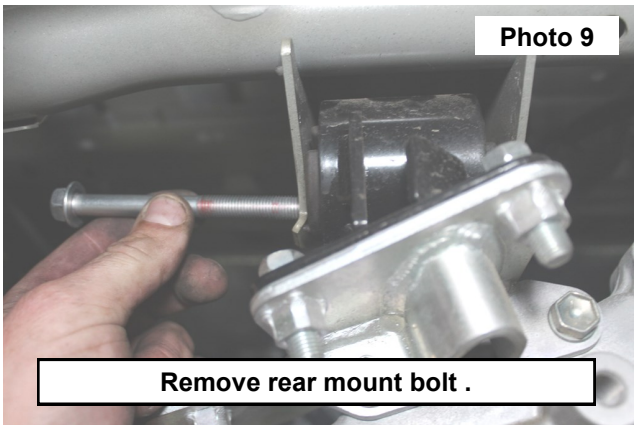


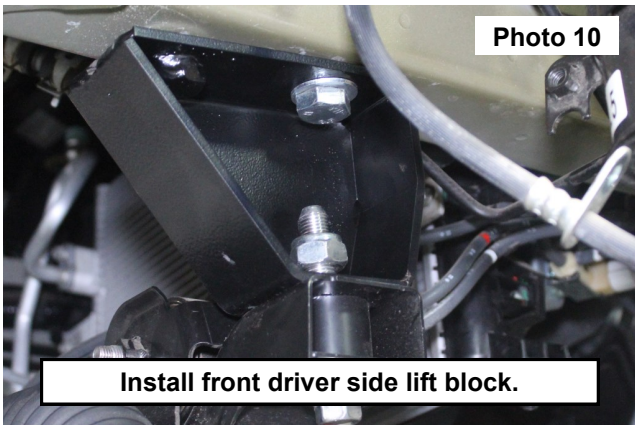




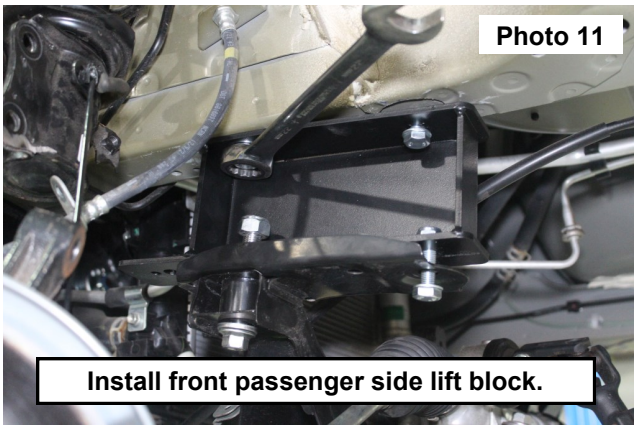


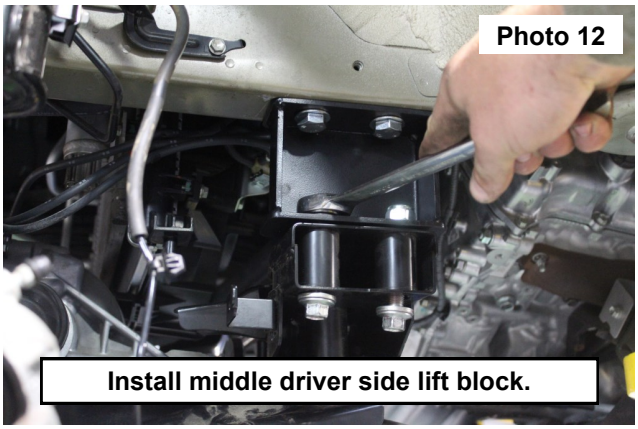
12. Remove the rear transfer case mount bolt with a 12mm wrench. Retain hardware for reuse. **See Photo 9.**
13. Carefully lower the cradle to allow the fabricated lift blocks to be installed.
14. Place the bolt of the driver front lift block in the oversized hole as shown and use the supplied 14mm x 25mm bolt and 9/16" flat washer to secure the lift block to the vehicle body. Secure with a 21mm wrench. Use factory bolt, supplied 9/16" flat washer, and supplied 14mm lock nut to secure the lift block to the powertrain cradle. Secure with a 17mm socket and 21mm wrench. Do not fully tighten. **See Photo 10.**



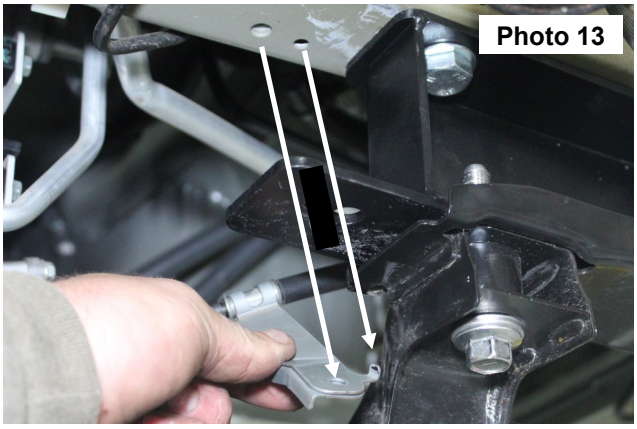


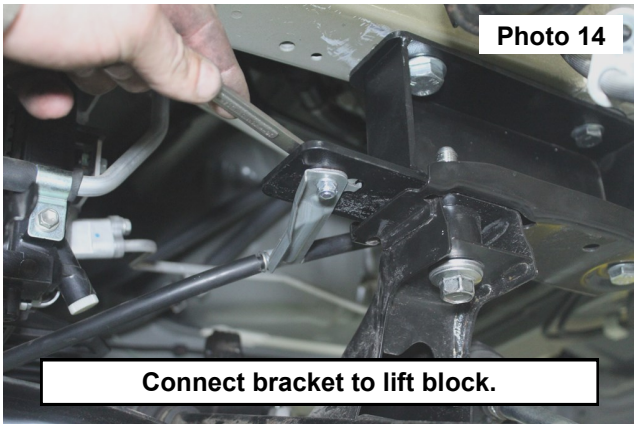
15. Attach the passenger side front lift block to the vehicle body using the supplied 14mm x 25mm bolt with 9/16" flat washer and the 10mm x 35mm bolt with 3/8" flat washer. Secure with a 21mm wrench and a 16mm wrench. **See Photo 11.**
16. Secure the passenger side front lift block to the cradle using the factory bolt , supplied 9/16" flat washer, and supplied 14mm lock nut using a 17mm socket and 21mm wrench for the large hole. For the small hole, use the supplied 10mm bolt, 3/8" flat washer, and 10mm lock nut. Tighten with a 16mm socket and wrench. **See Photo 11.**
17. Install the driver side middle lift block to the body of the vehicle using the supplied 9/16" washers and 14mm x 25mm bolts. Secure using a 21mm wrench. Use the factory bolts with the supplied 14mm lock nuts to attach the lift block to the powertrain cradle. Secure using a 17mm socket and 21mm wrench. Do not fully tighten. **See Photo 12.**



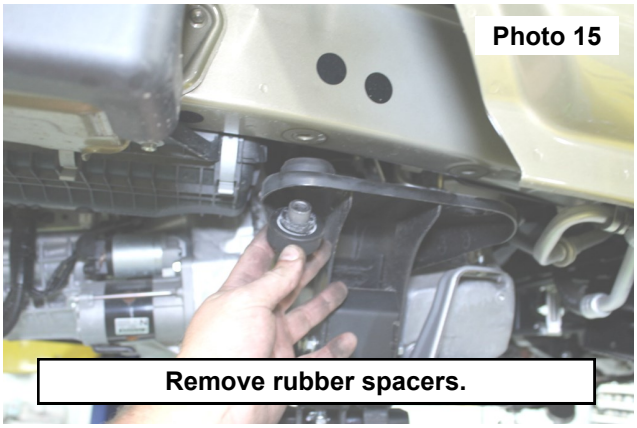


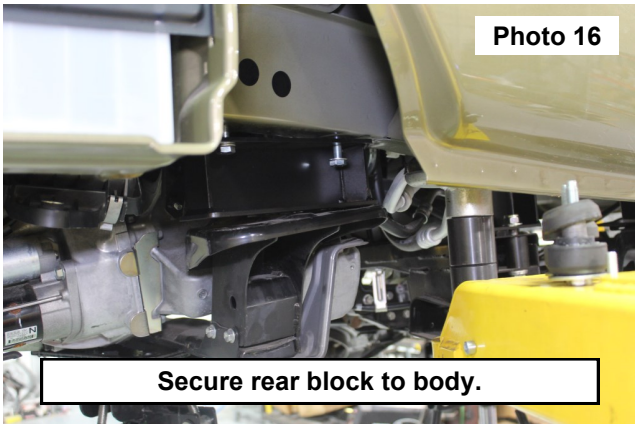
18. Remove the factory bolt and washer holding the transmission line bracket to the body of the vehicle using a 10mm wrench. Retain hardware for reuse. **See Photo 13.**
19. Use factory bolt, washer and supplied 6mm lock nut to secure the transmission line bracket to the front passenger lift block. Tighten with a 10mm wrench. **See Photo 14.**



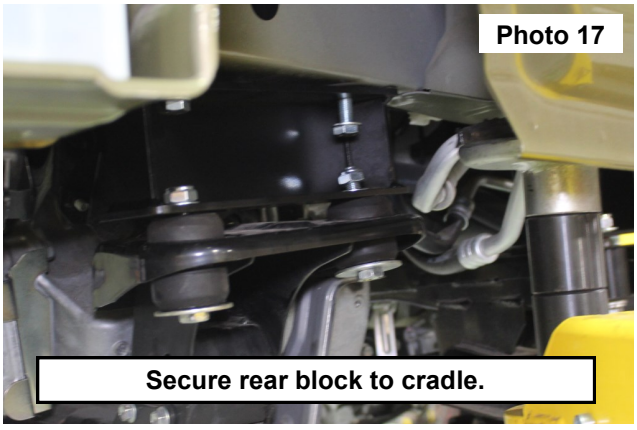


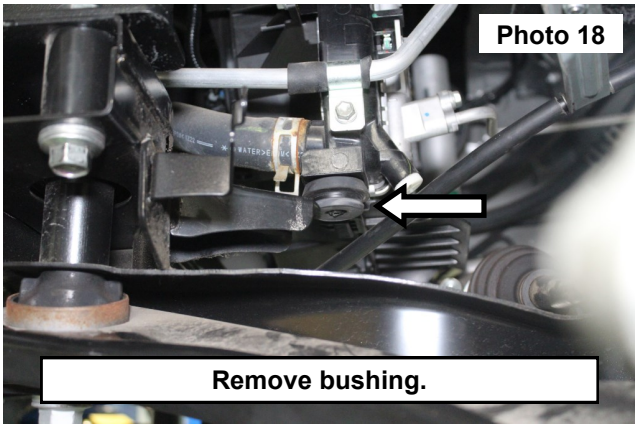
20. Remove and set aside the rubber spacers for the rear cradle mounts on both driver and passenger side. **See Photo 15.**
21. Secure the rear engine lift block to the vehicle body with the supplied 10mm bolts and 3/8” flat washers using a 16mm wrench. Do not fully tighten. **See Photo 16.**



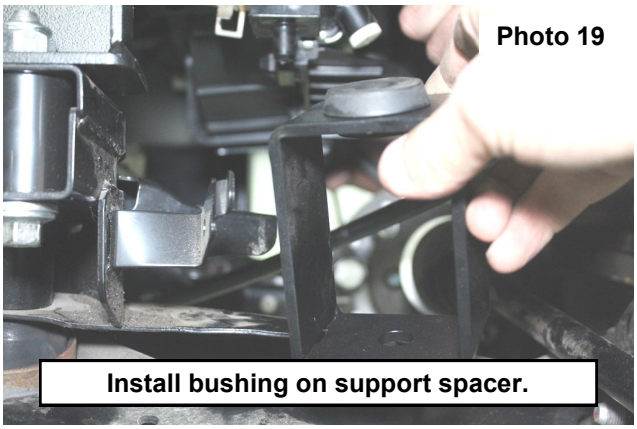


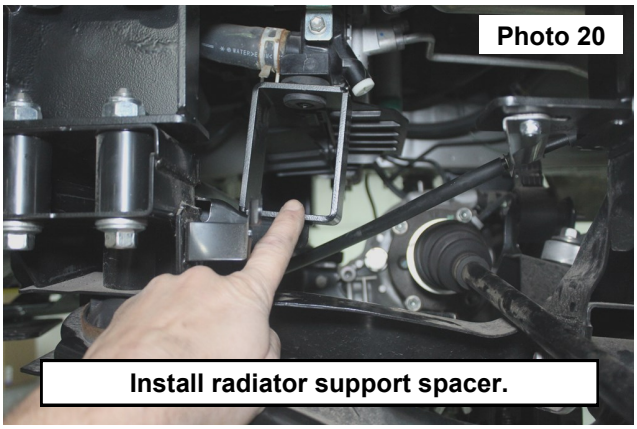
22. Place the previously removed rubber spacers as shown in the photo. Use the factory bolt, supplied 3/8” flat washer, and supplied 10mm lock nut to secure the lift block to the cradle. Secure with a 16mm wrench and 17mm socket. Do not fully tighten. **See Photo 17.**
23. Repeat for other side.
24. Remove rubber bushing from radiator support. Retain for later. **See Photo 18.**



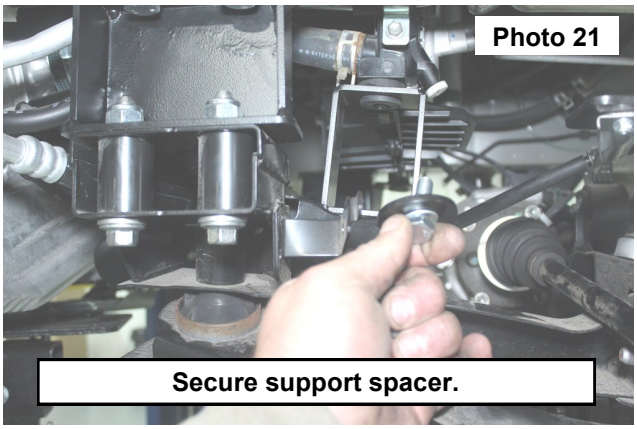


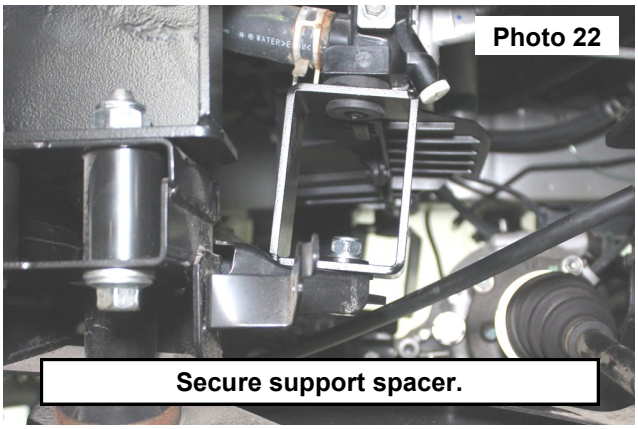
25. Install previously removed rubber bushing onto the radiator support spacer. **See Photo 19.**
26. Place the support spacer back on the post where the rubber bushing was taken off of. **See Photo 20.**



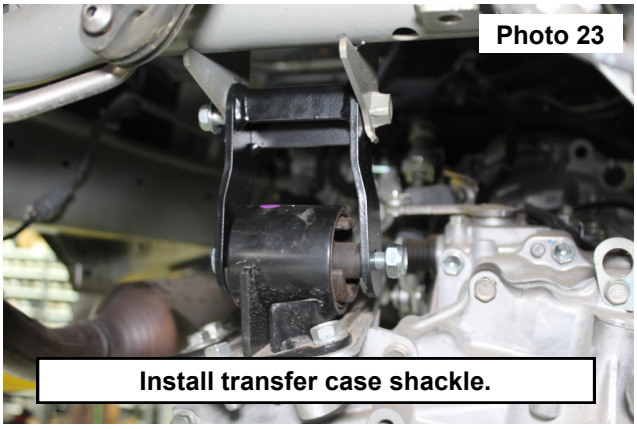


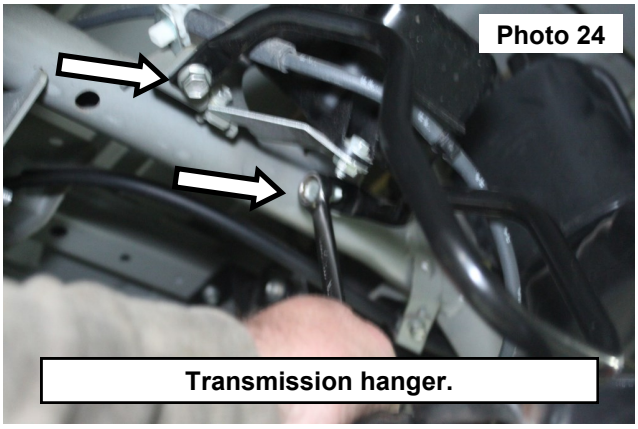
27. Use supplied 10mm bolt, 3/8” flat washer, 10mm lock nut, pilot washer, and pinch washer to secure the spacer. **NOTE:** The pilot washer goes with the bolt and the pinch washer goes with the nut. Tighten with a 16mm wrench. **See Photo 21 and Photo 22.**





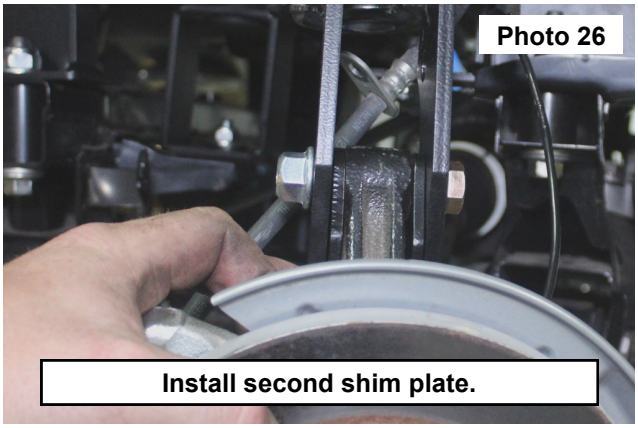
28. Install supplied transfer case drop shackle using the factory bolt for the factory frame mount, and supplied 10mm x 100mm bolt with 10mm lock nut for the transfer case. Tighten with a 16mm wrench and socket. **See Photo 23.**
29. Remove the two bolts holding the transmission hanger with a 13mm wrench. Remove transmission hanger. **See Photo 24.**
30. Tighten all lift block hardware.





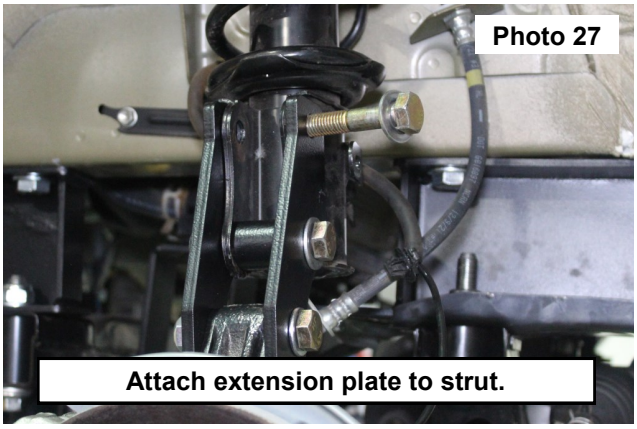
31. Place a supplied 12mm x 65mm bolt, 12mm washer, and shim plate in the third hole of the strut extension plate. **See Photo 25.**
32. Slide the bolt through the top hole of the steering knuckle and place another shim plate onto the bolt. Use supplied 12mm flange nut to secure. Tighten with an 18mm wrench. **See Photo 26.**
33. Install a supplied 12mm x 65mm bolt, 12mm washer, and 12mm flange nut on the bottom hole of the strut extension plate. Tighten with an 18mm wrench.


Photo 25


Photo 26

Install second shim plate.

34. Line the factory strut with the strut extension plate. Place a supplied 12mm x 65mm bolt, washer, and sleeve through the strut in each of the top two extension plate holes. Secure using a supplied 12mm nut. Secure with an 18mm wrench. Do not fully tighten. **See Photo 27.**
35. Repeat for other side.
36. Reinstall the ABS sensor with factory hardware. Tighten with a 10mm wrench. Clip the ABS sensor back in.
37. DO NOT LOWER VEHICLE UNTIL REAR INSTALLATION IS COMPLETE.


Photo 27

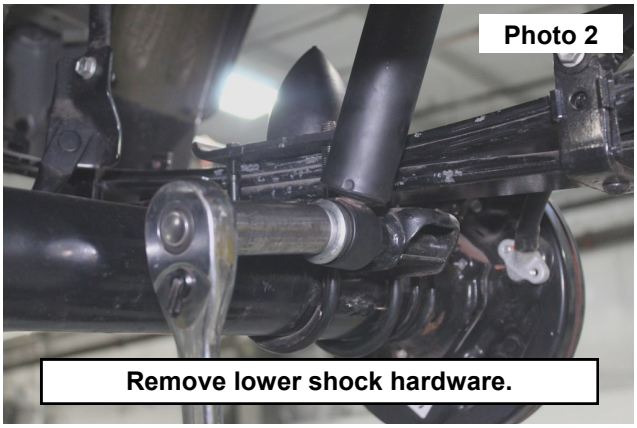
Attach extension plate to strut.



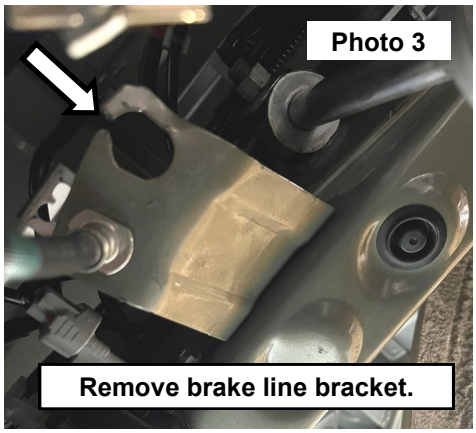
REAR INSTALLATION INSTRUCTONS

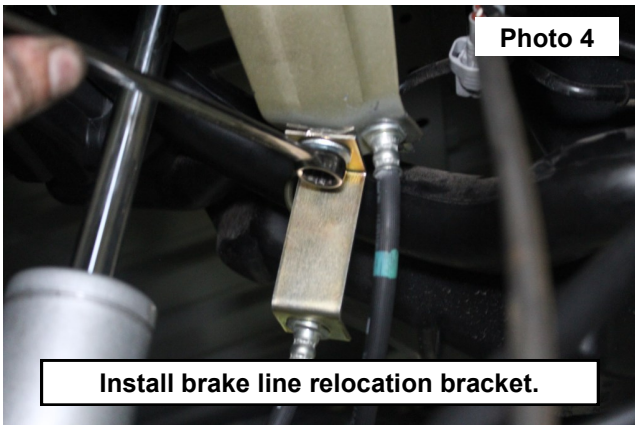
1. With the vehicle still lifted in the air, remove the upper rear shock nut and washer using a 17mm wrench. Retain hardware for reuse. **See Photo 1.**
2. Remove lower rear shock nut and washer using a 17mm wrench. Retain hardware for reuse. **See Photo 2.**



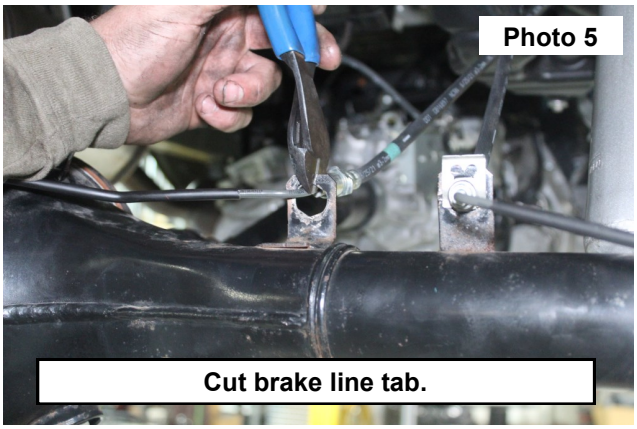


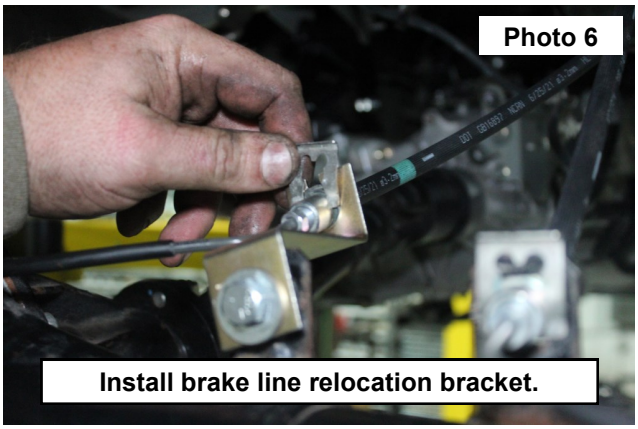
3. Pull the brake line retainer off and set aside for later. Use wire cutter to snip the factory bracket as shown. Pull the brake line from the factory bracket. **See Photo 3.**
4. Use supplied 3/8” bolt, nut, and (2) washer to attach the brake relocation bracket to factory bracket. Tighten with a 9/16” wrench. Reinstall the brake line retainer. **See Photo 4.**



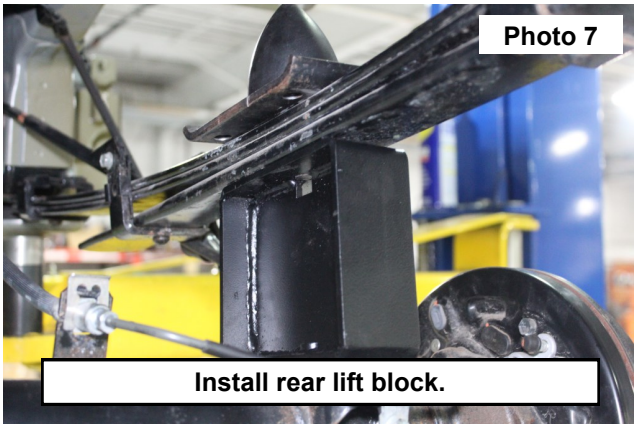


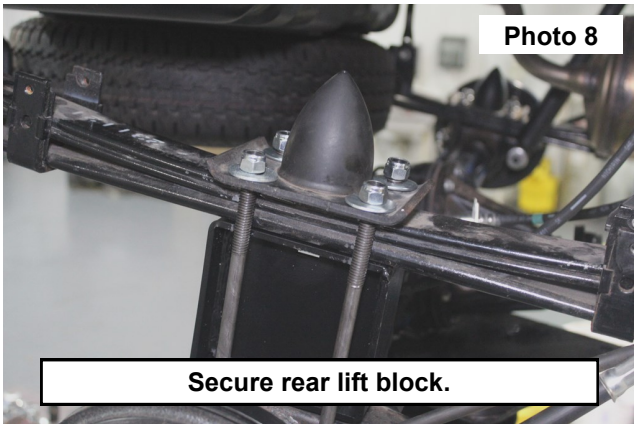
5. Remove factory brake line retainer on the rear axle. Use wire clippers to cut the left tab holding the brake line. Pull the brake line out from tab. **See Photo 5.**
6. Use supplied 3/8” bolt, (2) washer, and lock nut to install brake line relocation bracket. Tighten with a 9/16” wrench. Reinstall factory brake line retainer on the bracket once it is installed. **See Photo 6.**



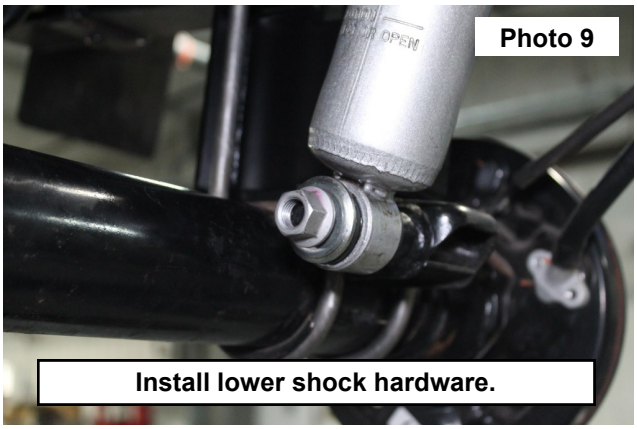


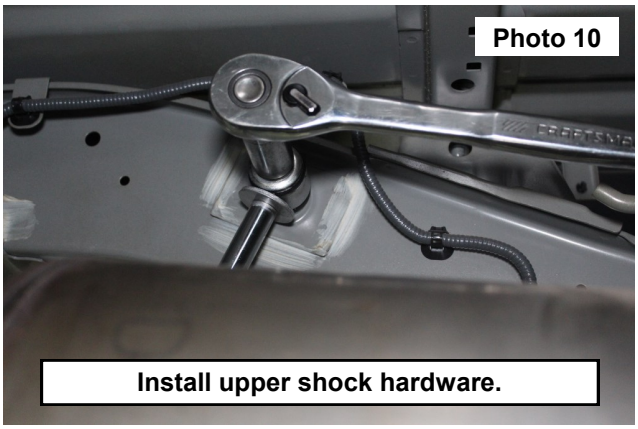
7. Lower the rear axle and place the rear lift block under the leaf spring with the slope going towards the front of the vehicle. **See Photo 7.**
8. Use supplied U-bolts, 7/16” flat washer, and 7/16” lock nut to secure the lift block to the axle and leaf pack. Tighten with a 5/8” socket. **See Photo 8.**
9. Repeat for other side.



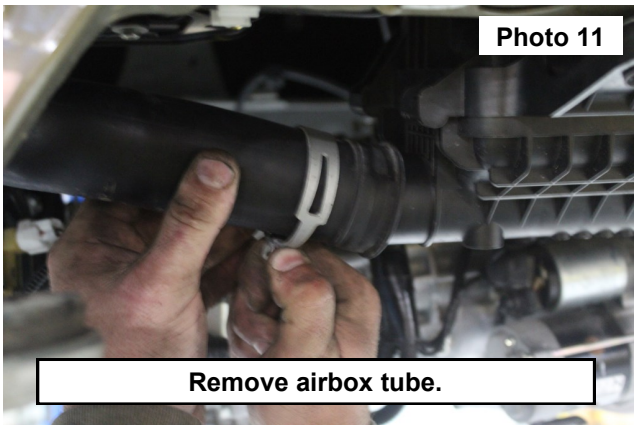


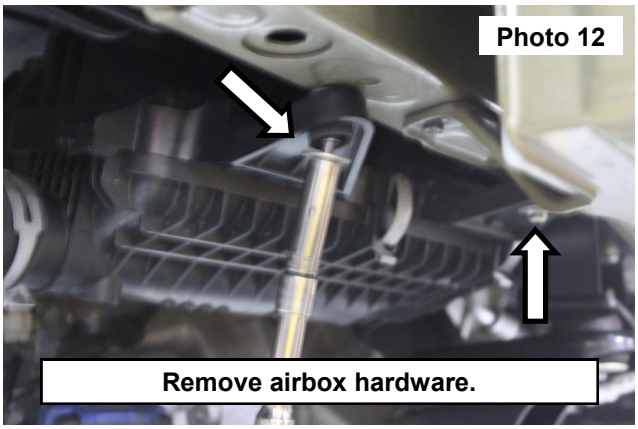
10. Install rear shocks using the factory hardware. Tighten with a 17mm wrench. **See Photo 9 and Photo 10.**





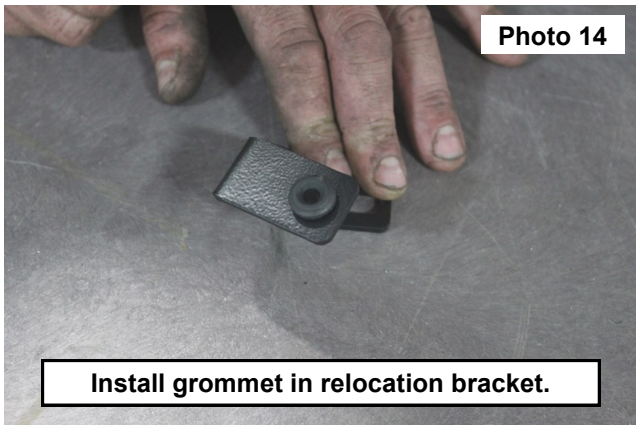
11. Remove airbox breather tube with a pair of pliers or by hand. **See Photo 11.**
12. Remove the two bolts and bushings holding the airbox to the vehicle with a 10mm wrench. Retain hardware for re-use. **See Photo 12.**



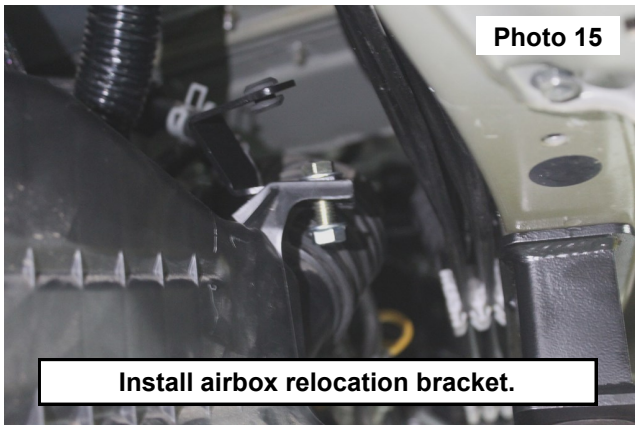


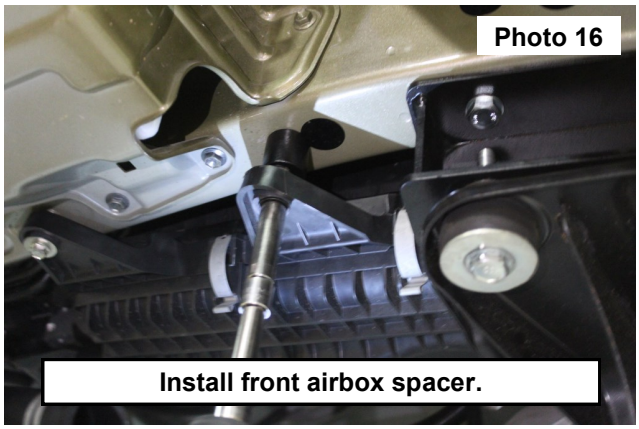
13. Lower the airbox as much as it will go.
14. Pull the rubber grommet from the airbox. NOTE: If the grommet is not on the airbox, it might be stuck on the body pin. **See Photo 13.**
15. Install previously removed grommet into the airbox relocation bracket. **See Photo 14.**





16. Use supplied 3/8” bolt, flat washer, and lock not to attach the relocation bracket to the airbox. Tighten with a 9/16” wrench. Once the bracket is installed, push the grommet back on the pin on the vehicle body. **See Photo 15.**
17. Use supplied 6mm x 56mm bolt, flat washer, and sleeve on the front airbox mounting point. Tighten with a 10mm wrench. **See Photo 16.**
18. Use factory hardware to secure rear airbox mounting. Tighten with a 10mm wrench.
19. Reconnect the air hose to the air box.
20. Reinstall wheels and lower vehicle.
21. Tighten all hardware. **DO NOT FORGET TO TIGHTEN FRONT STRUT EXTENSIONS.**





POST INSTALLATION INSTRUCTIONS

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floorboards, and wiring harness.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile, or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure.
3. On some vehicles, the front lower skirting will need to be trimmed if using certain wheel/tire combinations and with heavy offset wheels. Trim only as needed.
4. Activate four wheel drive system and check front hubs for engagement.
5. Have a qualified alignment center align the vehicle immediately. Realign to factory specifications.
6. Perform head light check and adjustment to proper settings.
7. Check and retighten wheels at 50 miles and again at 500 miles
8. All kit components must be retightened at 500 miles and then every 300 miles after installation. Periodically check all hardware for tightness.
9. Install “Warning to Driver” decal on sun visor.

NOTE: Installation of larger tires will require speedometer recalibration.

By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable, State, and Local laws and regulations regarding the purchase, ownership, and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Rough Country, LLC for all claims resulting directly or indirectly from the purchase, ownership, or use of the items.