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Rough Country RC614 Installation Instructions

1.25-Inch Body Lift Kit for 2018–2025 Jeep Wrangler 4WD

Part number: RC614

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Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

RC614BAG

Jeep JL 1.25” Body Lift

Thank you for choosing Rough Country for all of your suspension needs.

Rough Country recommends that 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 all the instructions before beginning the installation. Check the kit hardware against the ‘’Kit Contents’’ list below. If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product. Check all fasteners for proper torque. Check to ensure for adequate clearance between all components. Check and retighten wheels at 50 miles and again at 500 miles. Periodically check all hardware for tightness. Be sure you have all the needed parts and understand where they go. Also, please review the “Tools Needed” list to be certain you have the necessary tools to complete the installation.

PRODUCT USE INFORMATION

⚠WARNING As a general rule, the taller a vehicle is the easier it will roll. We strongly recommend that seat belts and shoulder harnesses be worn at all times. Braking performance and capabilities are decreased when significantly larger/ heavier tires and wheels are used. Do not add, alter, or fabricate any factory or after-market parts which increase vehicle height over the intended height of the Rough Country product purchased. 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.

NOTICE TO DEALER AND VEHICLE OWNER

⚠NOTICE Any vehicle equipped with any Rough country product must have the “Warning to Driver” decal installed on the sun visor or dash. The decal is to act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics. INSTALLING DEALER—It is your responsibility to install the warning decal and to forward these installation instructions on too the vehicle owner for review and to be kept in the vehicle for its service life.



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Jeep JL 1.25” Body Lift

TOOLS NEEDED:
Jack
Safety Stands
Wheel Chocks
Pry Tool
Pliers
Hammer
Metric Wrench/Socket
16mm
18mm
19mm
21mm
22mm
SAE Wrench/Socket
9/16”

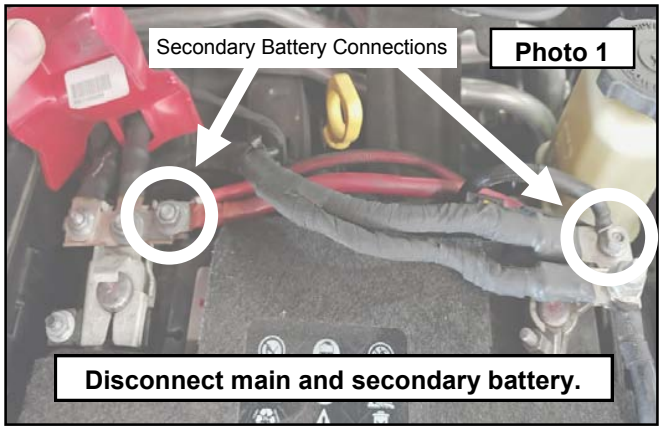
KIT CONTENTS:
1.25” Front Body Puck (2)
1.25” Body Puck (8)
Driver Rear Bumper Bracket (1)
Pass Rear Bumper Bracket (1)

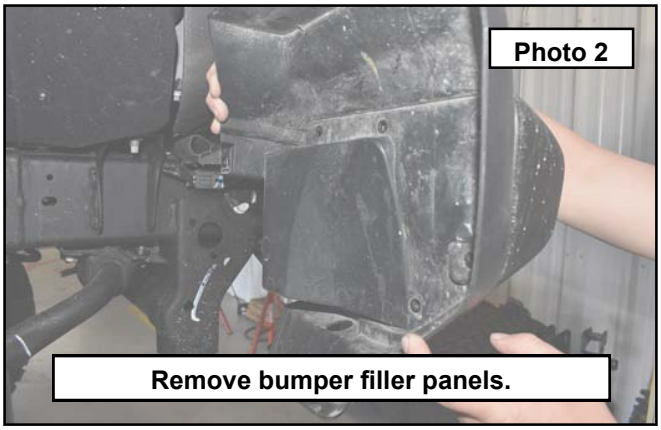
HARDWARE INCLUDED:
12mm x 120mm Bolt (6)
12mm Flat Washer (6)
12mm Lock Washer (6)
14mm x 130mm Bolt (2)
14mm Flat Washer (2)
14mm Lock Washer (2)
3/8” x 2.25” Bolt (4)
3/8” Flat Washer (8)
3/8” Locking Nut (4)



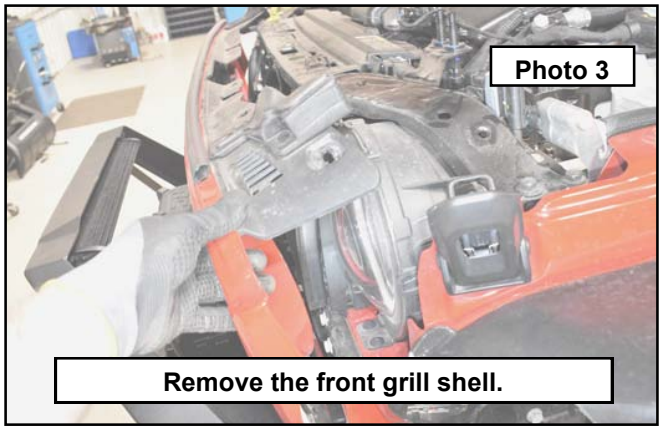
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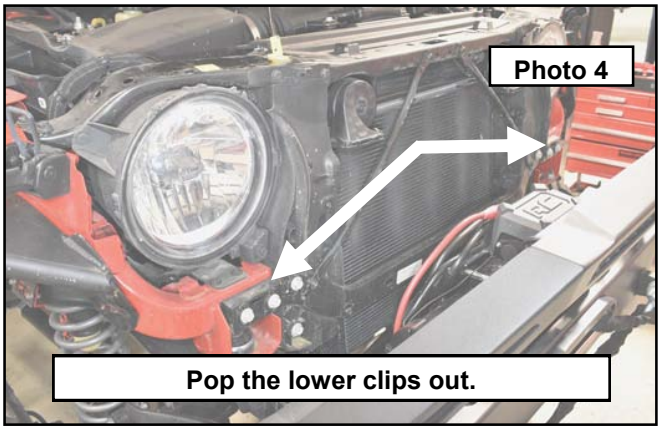
1. Park your vehicle on a clean flat surface, engage the parking brake and block the rear tires.
2. Jack the front of the vehicle up and place safety stands at the indicated lift points for the unibody in the service manual. Remove the front wheels and set aside.
3. **Save all removed hardware for reinstallation later unless otherwise noted.**
4. Open the hood and disconnect the negative terminal on the main battery and all models with AutoStart/Stop will need to disconnect the secondary battery by removing the cables from the main battery connectors as well. Failure to do so will still allow all electrical systems to still have 12 volt power. **Photo 1**
5. Sahara and Sport models with stock front bumpers, you will remove the front bumper fillers to aid in removal of the front body mount. Remove the filler panel using a 8mm socket. **Photo 2**



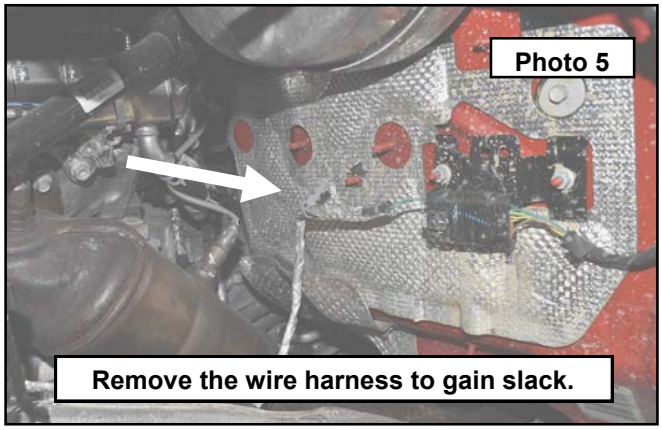


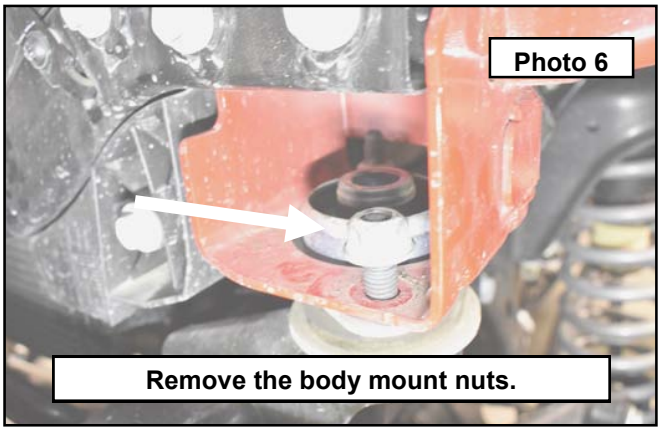
6. Remove the front grill shell using the pry tool on all the plastic push clips in the engine bay. Lift up and out away from the core support. **Photo 3**
7. The lower portion of the grill is held in with clips that will “pop” out when pulled against. This is to access the front body mounts. **Photo 4**





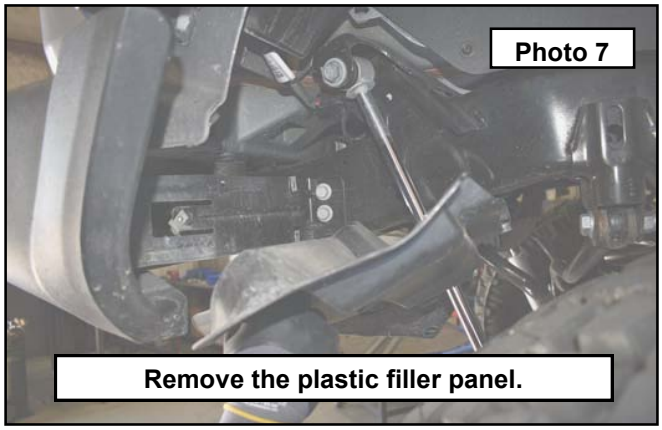
8. Under the brake booster is an electrical harness held to the fire wall with a push clip. Remove this and let the harness hang. This is to allow enough slack when raising the body to install the body pucks. You will put this back into place once the body lift is fully installed. **Photo 5**
9. Remove the body mount nuts using a 16mm socket. **Photo 6**

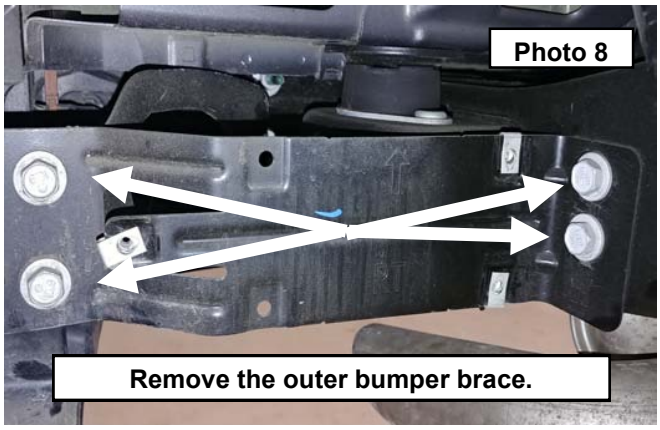




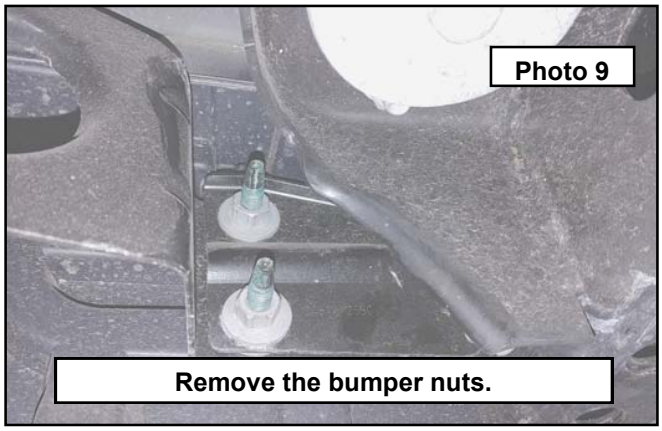
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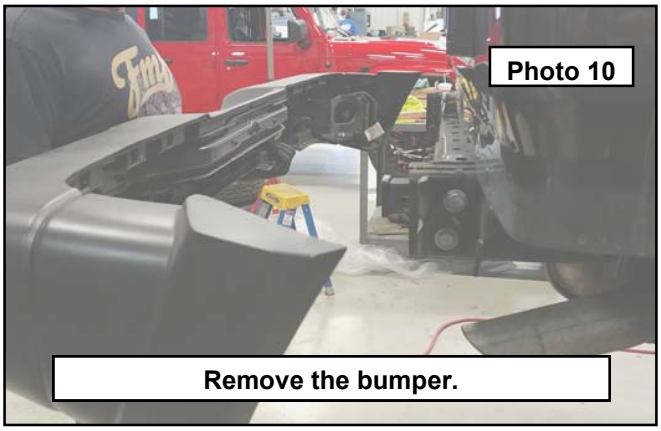
10. All models with stock rear bumpers: Remove the plastic filler panel using a 8mm socket and discard. **Photo 7**
11. Behind the plastic filler panel is the outer bumper brace. Remove the four bolts using a 18mm socket. These brackets are side specific from the factory, but when the body lift is completed and reusing the stock bumper you will swap these side to side. **Photo 8**



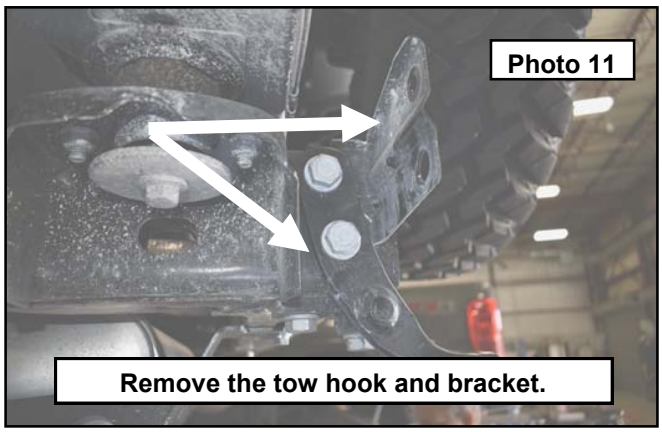


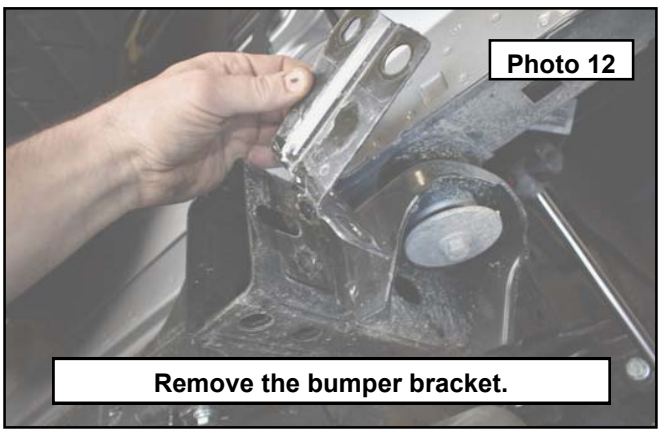
12. If your bumper is equipped with back up sensors, disconnect the electrical connector on the driver side body panel above the bumper. Use a helper to hold the bumper in place, remove the remaining 4 nuts holding the bumper to the mounting brackets on either side of the frame rails. **Photo 9**
13. Have the helper pull the bumper out and away from the body. Set aside for reinstallation later if keeping. **Photo 10**





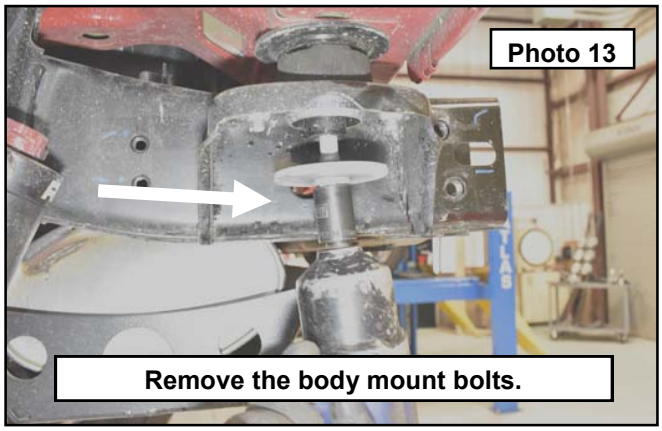
14. On the driver side frame rail you will find the factory tow hook and the bumper bracket. Remove the 4 bolts using a 16mm socket. Discard the bumper bracket but save the tow hook. The bumper bracket will be replaced with one from the kit. **Photo 11**
15. Remove the passenger side bracket from the frame using a 21mm socket. **Photo 12**

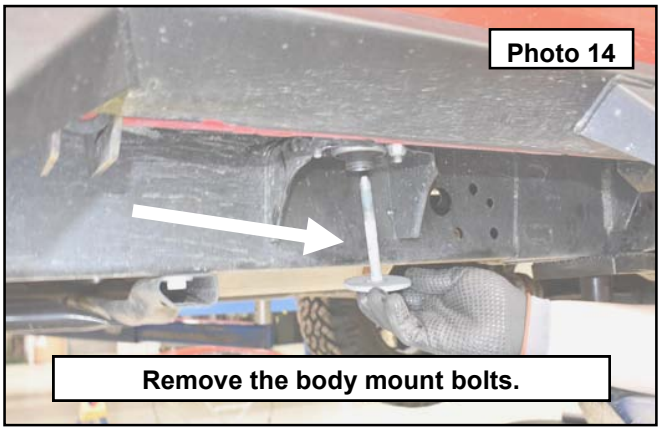




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16. Now you are ready to install the body lift. Starting on the passenger side, loosen but do not remove the main mounting bolts from the underside of the frame mounts using a 18mm socket. Then completely remove the driver side bolts. The front core support mount is held in place with a nut. If you are working in a shop equipped with an automotive lift, you can use the lift to handle the lifting of the body. If doing so, you will want to lift the entire body at once so will need to remove the passenger side hardware as well. **Photo 13 / 14**



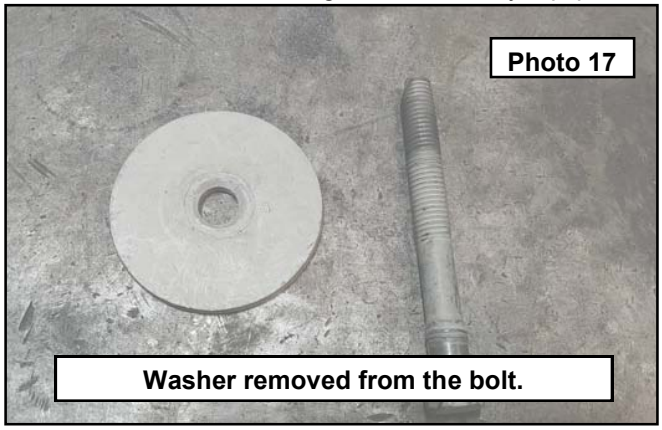


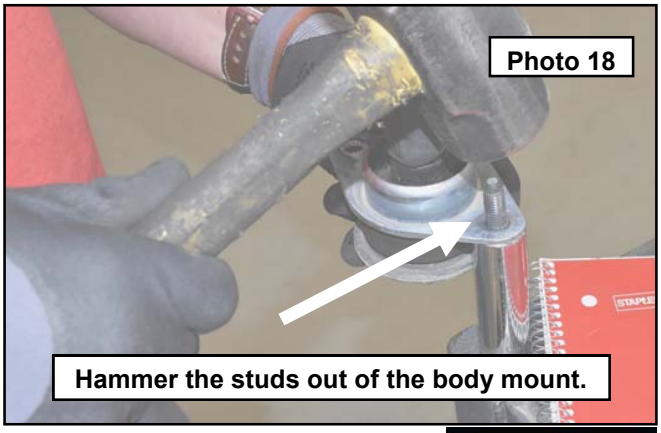
17. Once the bolts are removed, you will need to remove the washers from the factory bolts. They are held in place with a rolled lip on the bolt. Use a press and receiving tube to remove the washer. Make sure to wear safety equipment when doing this step. Press the bolt out of the washer. **Photo 15**
18. While the press is the preferred way to remove the washer you can use a receiving tube, pair of pliers and a hammer. Strike the threaded end of the bolt with the hammer until the washer is released. Make sure to wear safety equipment when doing this step. This can take a few good well aimed blows with the hammer. **Photo 16**





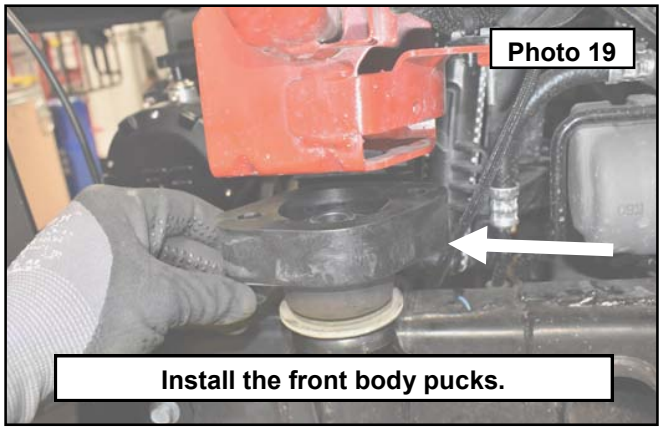
19. Washer shown removed from the bolt. **Photo 17**
20. Use a jack and a 4x4 outside the frame rail to lift the body up enough to remove the front core support body mount. It does not take much to lift the body, if you are seeing the frame lift at the same time check to make sure there is not anything still attached like a missed body mount bolt or nut. Make sure the wire harness has plenty of slack. Adjust as necessary. Once removed, you will need to hammer the two studs out of the core support body mount. Use a hammer and a receiving tube and safety equipment for this step. **Photo 18**

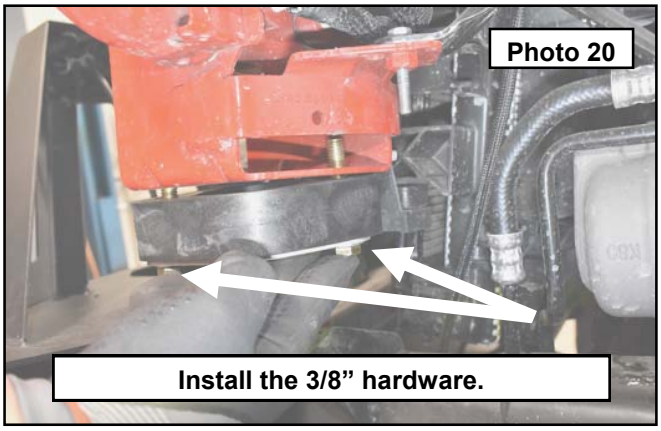




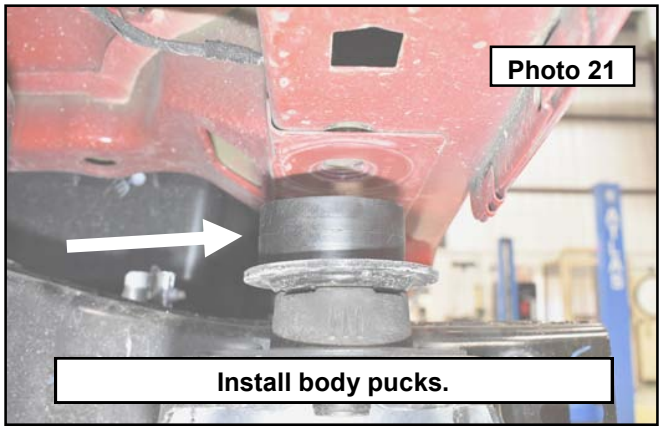
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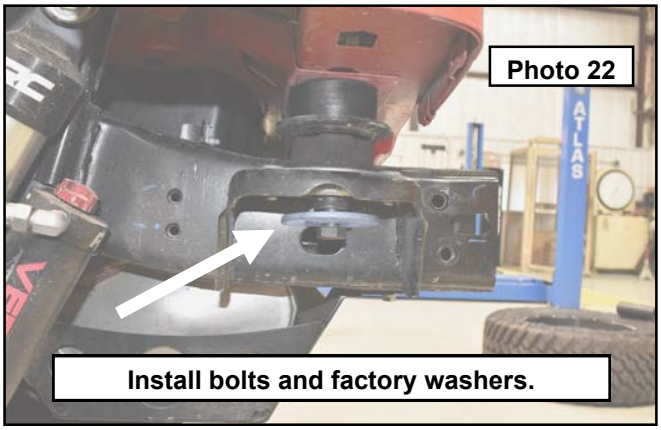
21. Once the studs are removed, reinstall the core support body mount to the frame. Install the front body puck onto the stock mount between the core support and factory mount. **Photo 19**
22. Install the factory mount to the core support using the supplied 3/8" x 2.25" bolts, washers and locking nuts. Torque to **35 ft-lbs**. **Photo 20**





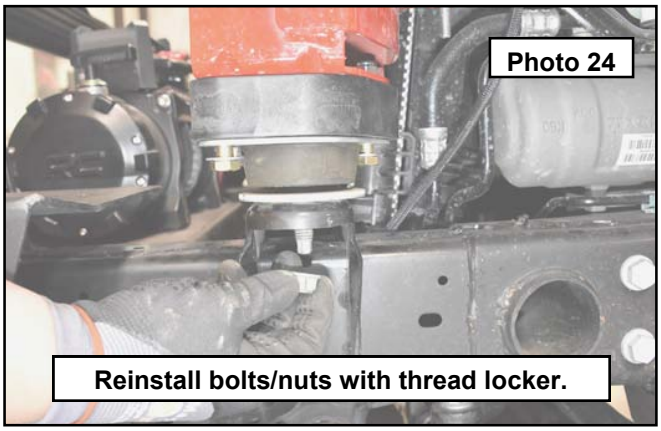
23. Install the rest of the body pucks between the body and the factory mounts. Lower the body enough to be able to thread the supplied bolts into place. **Photo 21**
24. On all the mounts in the middle of the body you will use the supplied 12mm x 120mm bolts and the previously removed factory washer. On the back two mounts you will use the supplied 14mm x 130mm bolts and the previously removed factory washer. **DO NOT** fully tighten at this time, especially if you are working with a floor jack and one side of the vehicle at a time. Repeat the above steps for the passenger side. **Photo 22**





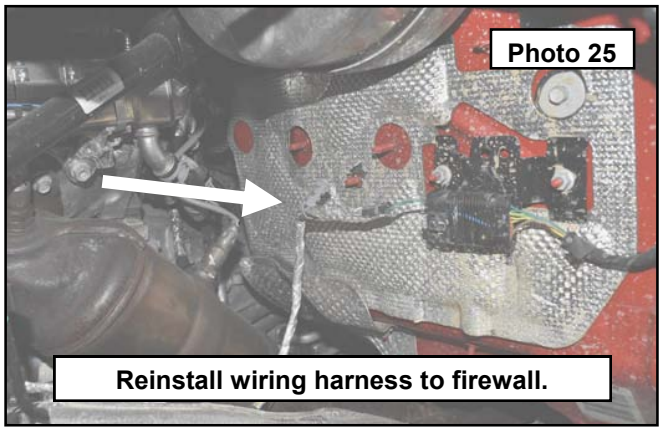
25. If you are using an automotive hoist, you can install all pucks and the hardware at the same time. **Photo 23**
26. As you lower the body down all the way, make sure it is square on the frame and then starting with the middle body mounts, remove the bolts. Add a drop of thread locker to the threads and reinstall. Torque the 12mm bolts to **75 ft-lbs**, alternating sides in a criss cross pattern. Remove the two rear 14mm bolts and the front core support factory nuts, add a drop of thread locker and reinstall. Torque to **120ft-lbs**. **Photo 24**

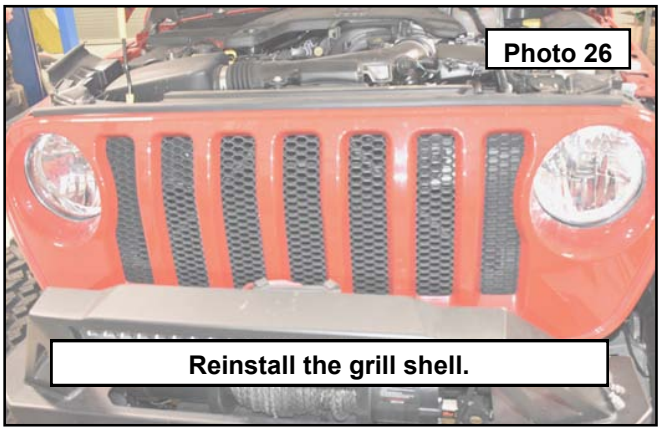




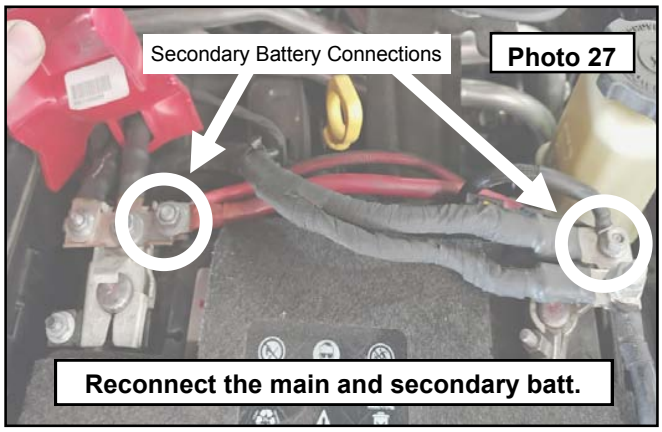
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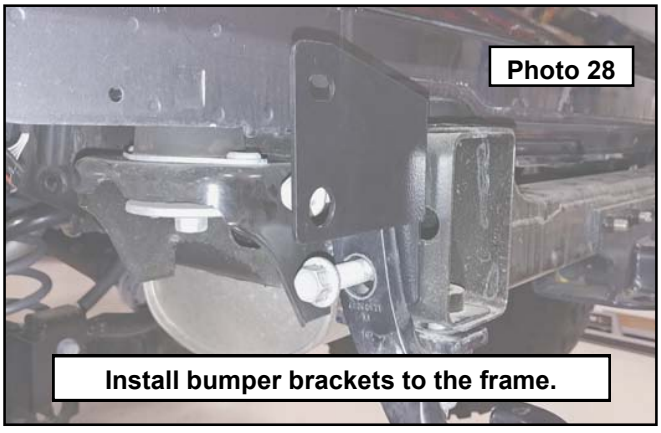
27. Reinstall the wiring harness clip previously removed from the firewall under the brake booster. **Photo 25**
28. Reinstall the front grill shell by popping the lower clips into place and installing the plastic push clips. **Photo 26**



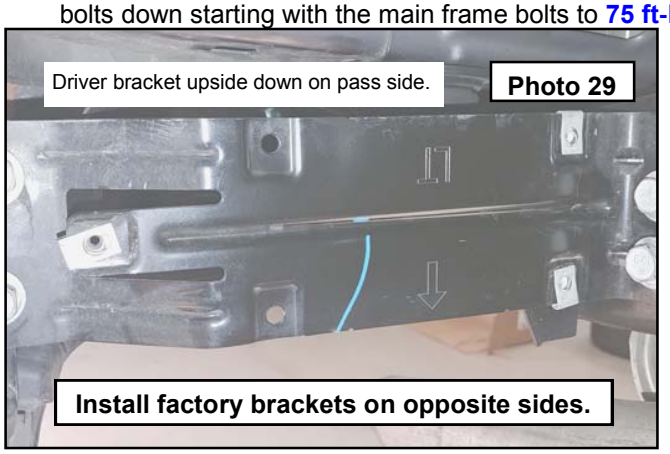


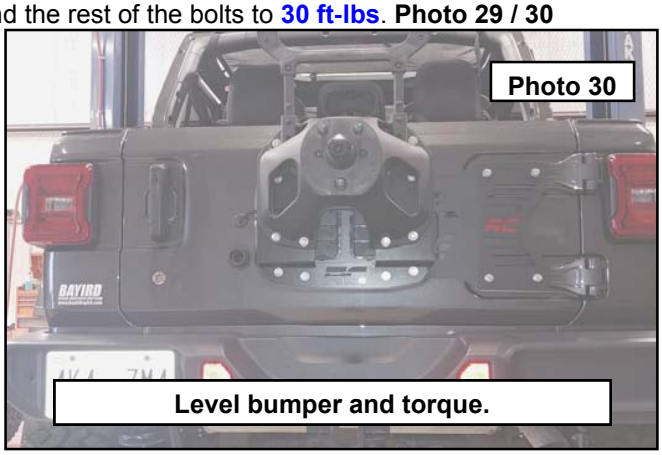
29. Reconnect the main and secondary batteries. **Photo 27**
30. This completes the body lift portion of the installation. If you are reinstalling the factory rear bumper, move on to the next steps. The supplied brackets are intended **ONLY** for the stock rear bumpers and are only for looks.
31. Install the supplied bumper brackets to the frame rail using the stock hardware. On the driver side, make sure to re-install the factory tow hook other wise the bolts will be too long. Snug up the bolts, but do not fully tighten. **Photo 28**





32. Use a helper and hang the bumper to the brackets using the factory hardware. Snug up the bolts, but do not fully tighten. **Photo 28**
33. You are going to install the side brace brackets in now, but you will install the driver side to the passenger side and vice versa using the factory hardware. This flips the brackets over and they will line up with the original locations on the frame and the bumper. Once all the hardware is installed, center and level the bumper side to side. Torque the bolts down starting with the main frame bolts to **75 ft-lbs**, and the rest of the bolts to **30 ft-lbs**. **Photo 29 / 30**





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