



69-52220 2022 Toyota Tundra w/ Rear Air 2" SST

IF your ReadyLIFT® product has a damaged or missing part, please contact customer service directly and a new replacement part will be sent to you immediately. For warranty issues, please return to the place of installation and contact ReadyLIFT.

(877) 759-9991

MON-FRI 7AM-4PM PST

OR

EMAIL: support@readylift-ami.COM

WEBSITE: ReadyLIFT.COM

****Please retain this document in your vehicle at all times.****

READYLIFT "NO HASSLE" PRODUCT WARRANTY

This unique "no hassle" product warranty proves out commitment to the quality of every product the ReadyLIFT produces. ReadyLIFT product warranty only extends to the Original Purchaser of any ReadyLIFT product. If it breaks, we will give you a new part.

READYLIFT "NO HASSLE" WARRANTY PROCEDURES

Any ReadyLIFT products containing missing or defective components will be covered under warranty by ReadyLIFT. Please call 800-549-4620 to initiate a warranty claim. Rest assured our customer service team will urgently address the matter and expedite the replacement parts. In the event of a defective product, ReadyLIFT may request a return of the defective product (at ReadyLIFT's expense) so the quality team can analyze the nature of the defect. Returning defective product will not delay the replacement part delivery.

ReadyLIFT leveling kit, block kits, and lift kit products are NOT intended for off-road abuse. Any abuse or damage as a result of off-road use voids the warranty of the ReadyLIFT product. Exception: ReadyLIFT Jeep SST and Terrain Flex Lift Kits are designed for normal off-road use to compliment the Jeep vehicle's off-road capability. All Jeep Lift Kit products are covered under warranty when used in recreational off-road environments.

Warranty does not apply to discontinued, clearance or outlet products. Wearable components including but not limited to, shocks, ball joints, heim joints, bushings, and steering extensions, are covered for up to 1-year. Labor, installation, surcharges or any other applicable fees from the original purchase are non-refundable. ReadyLIFT is not responsible for any consequential damage to the vehicles.

ReadyLIFT reserves the right to change, modify, or cancel this warranty without prior notice.



READ INSTRUCTIONS THOROUGHLY AND COMPLETELY BEFORE BEGINNING INSTALLATION.

INSTALLATION BY A CERTIFIED PROFESSIONAL MECHANIC IS HIGHLY RECOMMENDED.

READYLIFT® IS NOT RESPONSIBLE FOR ANY DAMAGE OR FAILURE RESULTING FROM IMPROPER INSTALLATION.

Safety Warning

MISUSE OF THIS PRODUCT COULD LEAD TO INJURY OR DEATH.

Suspension systems or components that enhance the on and off-road performance of your vehicle may cause it to handle differently than it did from the factory. Extreme care must be used to prevent loss of control or vehicle rollover during abrupt maneuvers.

Always operate your vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Failure to drive safely may result in serious injury or death to driver and passengers.

Driver and passengers must ALWAYS wear your seat belts, avoid quick sharp turns and other sudden maneuvers. ReadyLIFT Suspension does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your vehicle under the influence of alcohol or drugs.

Constant maintenance is required to keep your vehicle safe. Thoroughly inspect your vehicle before and after every off-road use.

It is the responsibility of the retailer and/or the installer to review all state and local laws, with the end user of this product, related to bumper height laws and the lifting of their vehicle before the purchase and installation of any ReadyLIFT products.

It is the responsibility of the driver/s to check their surrounding area for obstructions, people, and animals before moving the vehicle.

All raised vehicles have increased blind spots; damage, injury and/or death can occur if these instructions are not followed.

Installation Warning

All steps and procedures described in these instructions were performed while the vehicle was properly supported on a two post vehicle lift with safety jacks.

Use caution during all disassembly and assembly steps to insure suspension components are not over extended causing damage to any vehicle components and parts included in this kit.

Included instructions are guidelines only for recommended procedures and are not meant to be definitive. Installer is responsible to insure a safe and controllable vehicle after performing modifications.

ReadyLIFT Suspension recommends the use of an OE Service Manual for model/year of vehicle when disassembly and assembly of factory and related components.

Unless otherwise specified, tighten all bolts and fasteners to standard torque specifications listed within the OE Service Manual.

Suspension components that use rubber or urethane bushings should be tightened with the vehicle at normal ride height. This will prevent premature wear or failure of the bushing and maintain ride comfort.

Larger tire and wheel combinations may increase leverage on suspension, steering, and related components.

Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle ride height. Always measure the vehicle ride height prior to beginning installation.

SAEJ2492 Warning

By installing this product, you acknowledge that the suspension of this vehicle has been modified. As a result, this vehicle may handle differently than that of factory-equipped vehicles. As with any vehicle, extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive this vehicle safely may result in serious injury or death. Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications (and combinations of modifications) are not recommended and may not be permitted in your state. Consult your owner's manual, the instructions accompanying this product, and state laws before undertaking these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.

Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle ride height. Always measure the vehicle ride height prior to beginning installation.

A lifted vehicle may have different headlight aim performance. ReadyLIFT recommends marking and recording the headlight beam position before kit installation and then adjusting, if necessary, the headlamps to the same height settings after kit installation. Set the vehicle on a level surface 10' to 15' from a solid wall or garage door. (This is a general distance with some manufacturers requiring different distances.) Note the top height of the low beam's bright spot, the top of the most intense part of the beam, for driver and passenger side. Height may vary from side to side. Repeat this procedure and adjust after lift kit is installed. Adjust if the aim is off by turning the adjusters gradually (a quarter of a turn) and looking to see where the new alignment falls. It may be easier to block one headlamp while adjusting the other. Consult the owner operation manual for procedures to adjust headlights - many automakers offer headlight aiming specs. Some states have their own specifications when it comes to headlight aim, so it's best to follow those rules when aligning headlights.

This suspension system was developed using a 295-60/20 tire with 20x9 wheel and a offset of 18mm. If wider tires are used, offset wheels may be necessary and trimming may be required. Factory wheels can be used but are not recommended with tires over 10.5" wide.

The stock spare rim can be run in an emergency - exercise extreme caution under stock spare tire operating conditions. Please note that, if running the spare factory tire, it is done for short distances and a speed not to exceed 45mph or damage to differentials may occur.

IMPORTANT NOTE:

Kit not compatible with aftermarket lift struts or other lift systems. Use of additional lift components will damage vehicle.

Kit is not compatible with factory coil suspension or TRD Pro configurations.

Toyota recommends the addition of lift axles if the vehicle will be used in 4wd.

OE AXLE PART NUMBERS:

1. PT362-3432B - DRIVER
2. PT362-3431B – PASSENGER

PRE-INSTALLATION MEASUREMENTS:

It is imperative that you record the following measurements and factory components in the tables below. ReadyLIFT tests and records as much data from each application as available at the time of product development. Vehicle manufacturers may change components or add models with different options. Recording and not exceeding the fender-to-hub-center ReadyLIFT calls out will ensure the lift on the vehicle is correct.

These measurements will affect the performance of this lift kit. Failure to ensure proper stock conditions may result in over lifting, causing premature failure of axles, CV boots and drivetrain. Over lifting a vehicle will also result in an incorrect wheel alignment. This will wear tires incorrectly. Incorrect alignment will cause poor vehicle handling issues including but not limited to under steer. Over lifting will also cause a shock top off condition resulting in poor ride quality accompanied by pops and clunks which are symptoms of prematurely wearing components.

Failure to adjust head lamps may cause dangerous driving conditions for you and other drivers on the road. Record the head lamp position before the installation of this lift or leveling kit and adjust to original factory position after the completion to ensure a safe and enjoyable experience.

VEHICLE HEIGHT MEASUREMENTS

| | Driver Before | Driver After | Passenger Before | Passenger After |
|--------------|----------------------|---------------------|-------------------------|------------------------|
| Front | | | | |
| Rear | | | | |

****MEASUREMENT IS TO BE PERFORMED FROM CENTER OF HUB TO FENDER EDGE STRAIGHT UP FROM HUB.****

RECORD HEAD LAMP MEASUREMENTS

| Driver Before | Driver After | Passenger Before | Passenger After |
|----------------------|---------------------|-------------------------|------------------------|
| | | | |

BILL OF MATERIALS

| | |
|--|-----------|
| Front Strut Spacer | 2 |
| Rear Airbag Spacer—Left Hand Side | 1 |
| Rear Airbag Spacer—Right Hand Side | 1 |
| Rear Airbag Spacer—Left Hand Side Template | 1 |
| Rear Airbag Spacer—Right Hand Side Template | 1 |
| Rear Shock Extension | 2 |
| Rear Brake Line Spacer | 4 |
| Rear Brake Line Relocation Bracket | 1 |
| Airbag Ride Height Sensor Bracket | 2 |
| Rear Bump Stop Extension—Left Hand Side | 1 |
| Rear Bump Stop Extension—Right Hand Side | 1 |
| Aluminum Crush Sleeve | 2 |
| M10-1.25 x 20 Serrated Flange Bolt | 2 |
| M10-1.25 Serrated Flange Nut | 12 |
| M8-1.25 x 40 Hex Head Flange Bolt | 2 |
| M8-1.25 x 20 Hex Head Bolt | 7 |
| M8-1.25 Extended Thread Nut | 2 |
| M8 Flat Washer | 7 |
| M6-1.00 x 16 Hex Head Bolt | 2 |
| M6-1.00 x 16 Lock Nut | 2 |
| M6 Flat Washer | 4 |



Before starting installation: ReadyLIFT Suspension highly recommends that the installation of this product be performed by a professional mechanic with experience working on and installing suspension products. Professional knowledge and skill will typically yield the best installation results. If you need an installer in your area, please contact ReadyLIFT Suspension Customer Service to find one of our “Pro-Grade” Dealers.

INSTALLATION BY A PROFESSIONAL IS HIGHLY RECOMMENDED.

- A Factory Service Manual for your specific Year / Make / Model is highly recommended for reference during installation.
- All lifted vehicles may require additional driveline modifications and / or balancing.
- A vehicle alignment is REQUIRED after installation of this product.
- Speedometer / Computer recalibration is required if changing +/- 10% from factory tire diameter.
- A vehicle lift or hoist greatly reduces installation time. Installation time estimates are based on an available vehicle hoist.
- Vehicle must be in excellent operating condition. Repair or replace any and all worn or damaged components prior to installation.

*****Parts shown in red for picture clarification only*****

ReadyLIFT recommends all steps and procedures described in these instructions be performed while the vehicle is properly supported on a two post vehicle lift with safety jacks.

Otherwise, park vehicle on a clean flat surface and block the rear wheels for safety. Engage the parking brake.

Disconnect the vehicle power source at the ground terminal on the battery.

Lock the steering wheel in the straight forward position with the column lock or steering wheel locking device.

Raise the front of the vehicle and support with safety jack stands at each frame rail behind the lower control arms. Remove the front wheels. Starting with the front of the vehicle, all steps are to be completed on both sides of the vehicle unless instructed.

Loosen but **DO NOT** remove the four (4) (two on each side) **sway bar bolts**.



Remove the **sway bar end link bolt** from the lower control arm and slide the **end link** off of its perch.

Retain factory hardware.



FOR AVS EQUIPPED VEHICLES

Remove the **bolt** holding the ABS bracket to the strut tower.

Release the clip holding the AVS wire to the strut tower by gently pulling the tab towards you.

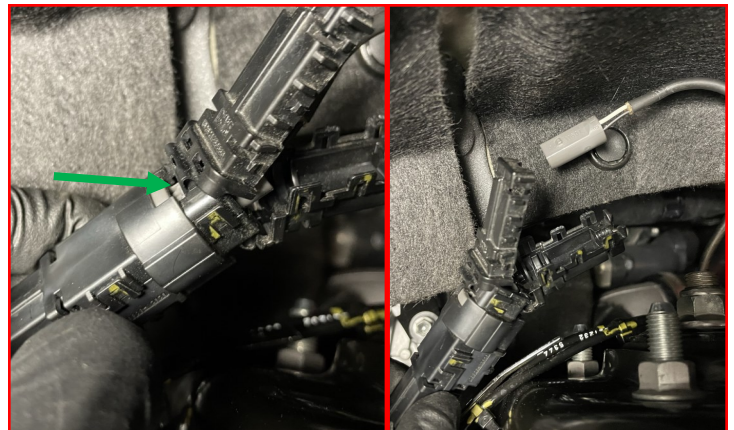
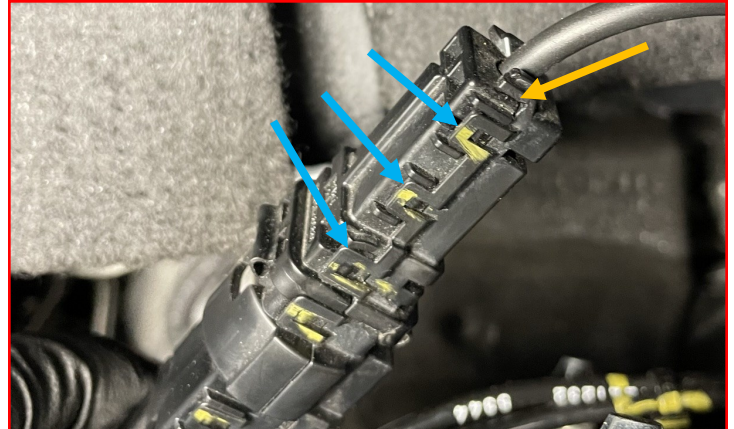
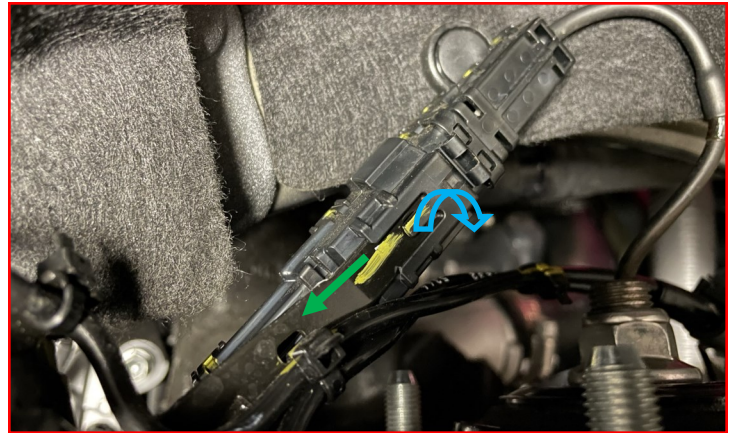
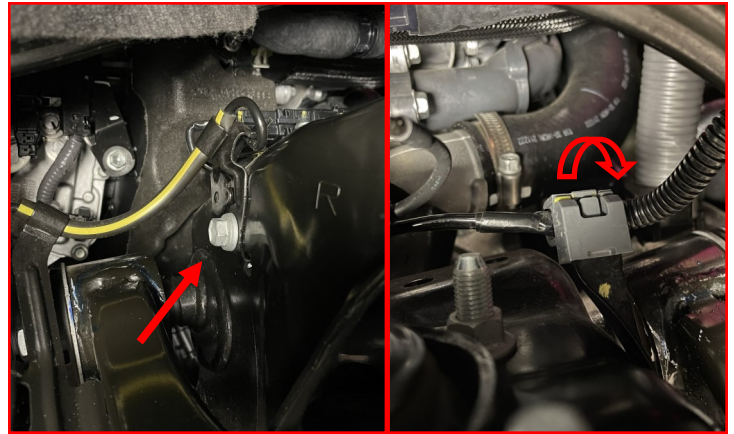
Retain factory hardware.

Release the AVS plug from the bracket by gently **pulling up** on the tab and **sliding** the bracket out of the plug.

Using a small screwdriver or pick, carefully **release the six (three on each side) latches** on the plug while **prying open the plug**.

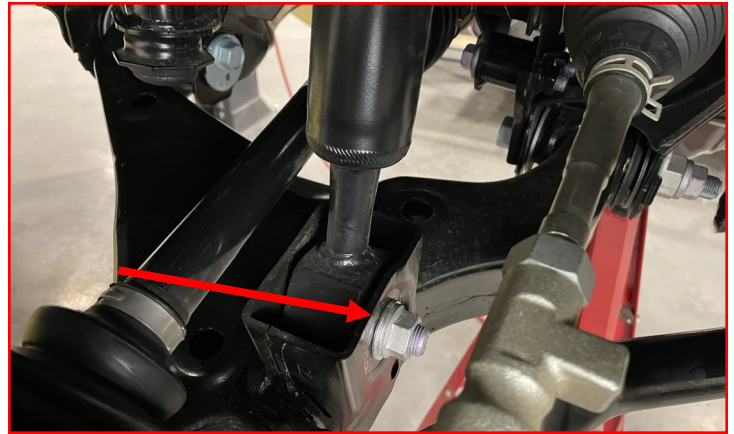
With the plug open, release the **latch** holding the plug pigtail. Remove the plug pigtail.

NOTE: Do **NOT** pull on the wires when remove the plug pigtail.

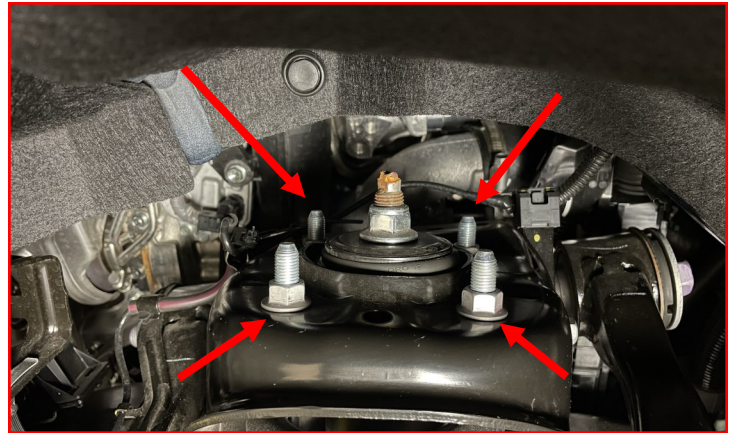


Support the lower control arm with a suitable jack.

Loosen but **DO NOT** remove the **lower strut bolt**.

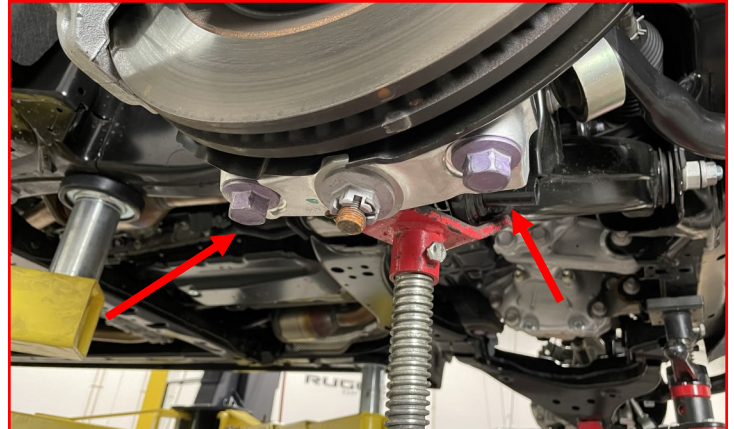


Remove the four (4) **upper strut bolts**.
Retain factory hardware.

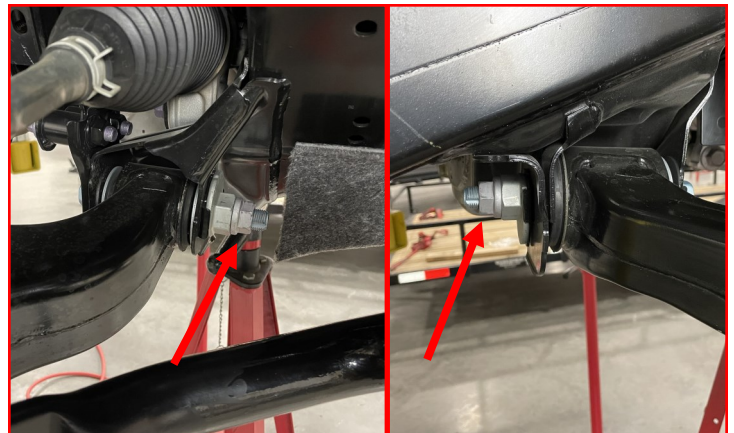


Remove the two (2) **lower ball joint bolts**.

Retain factory hardware.



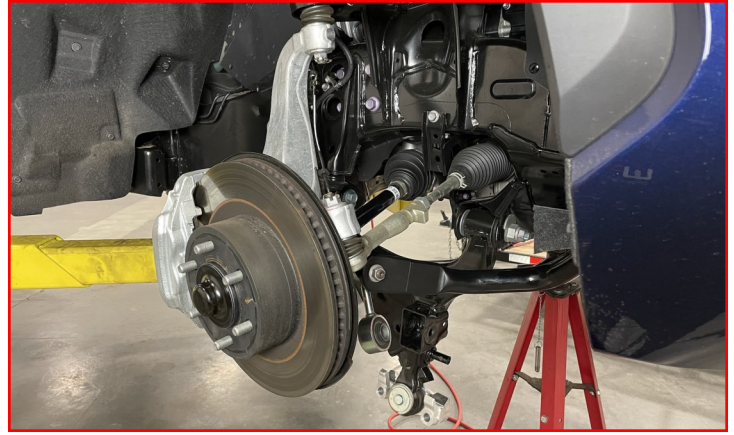
Loosen but **DO NOT** remove **inner control arm nuts**.



Remove **lower strut bolt** and remove strut from vehicle.

Let the lower control arm hang.

Retain factory hardware.



Using a suitable spring compressor, compress the strut enough to rotate the lower strut. With the **Ready LIFT front strut spacer** placed on top of the strut, rotate the lower strut mounting hole to be parallel to the two engraved dots on the top of the **Ready LIFT front strut spacer**.

Note: Ensure that the single dot is on the outboard side of the strut.

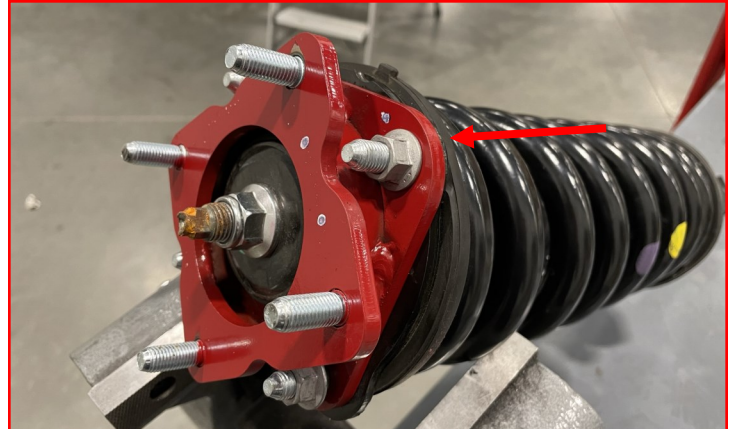


Carefully remove the strut from the spring compressor.

Using the **factory hardware**, install the **front strut spacer** onto the strut.

To ease the installation of the nuts, wiggle the spacer as the nuts are threaded on.

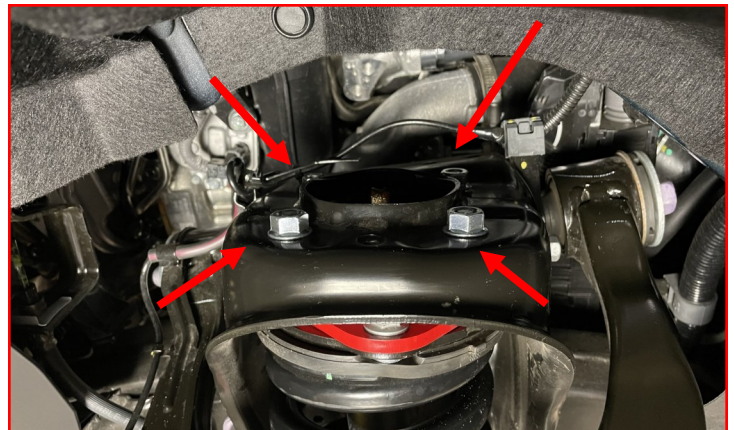
Torque to **40 ft-lbs.**



Insert the strut and spacer assembly into the vehicle and install using the **supplied M10x1.25 serrated flange nuts**.

NOTE: Ensure the single dot is on the outboard side of the strut.

DO NOT TIGHTEN AT THIS TIME.

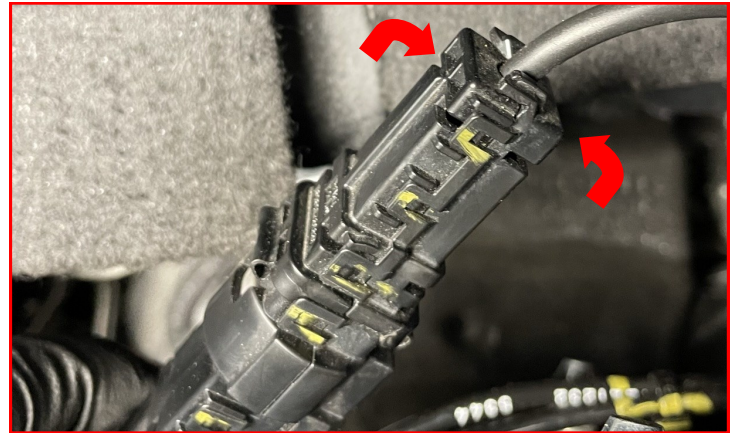


FOR AVS EQUIPPED VEHICLES

Slide the plug into the plug housing until it clicks.



Close the latch on the plug until all six (6) latches click into place.



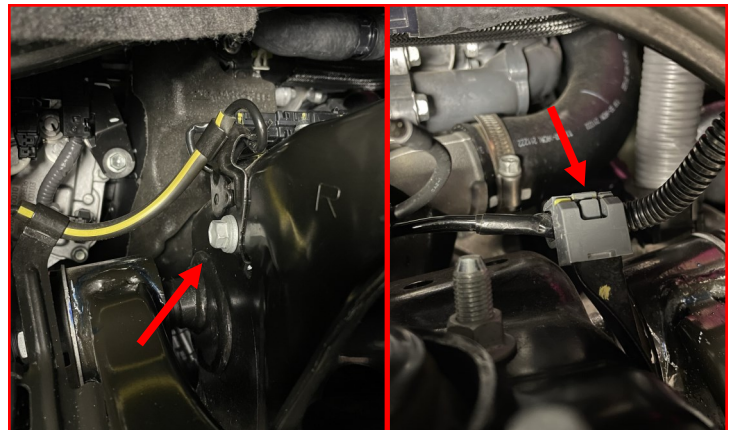
Slide the bracket into the plug housing until it clicks.



Using **factory hardware**, attach the factory ABS bracket to the strut tower.

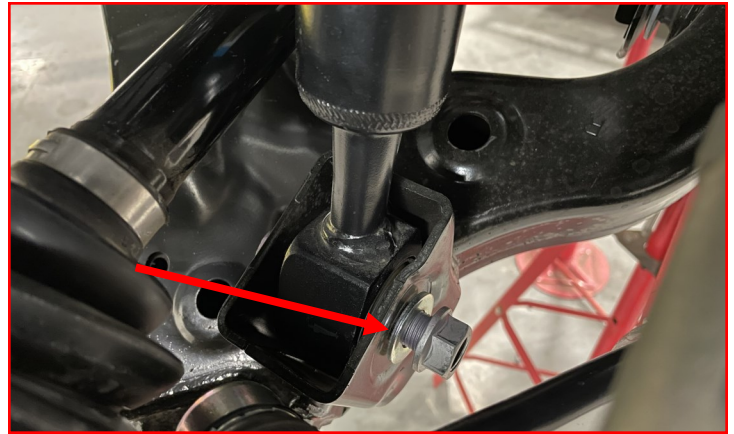
Torque to **20 ft-lbs**.

Attach the clip holding the AVS wire to the strut tower.



Using **factory hardware**, raise the lower control arm enough to install the lower strut bolt.

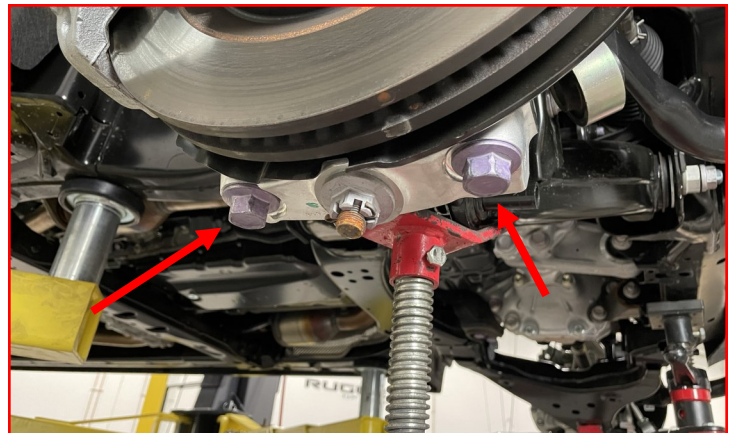
DO NOT TIGHTEN AT THIS TIME.



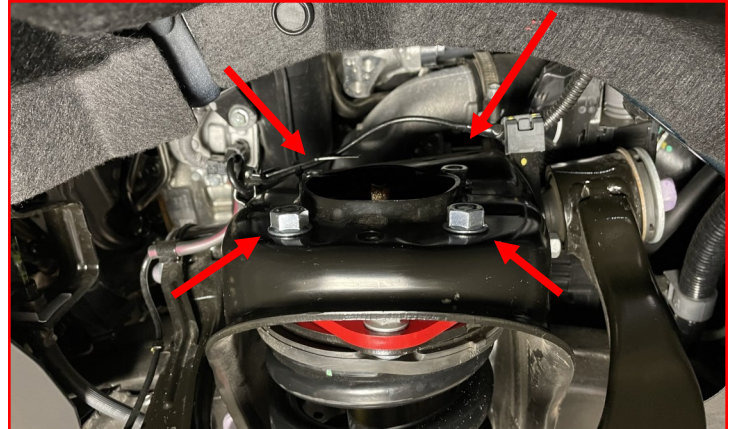
Apply a small amount of medium duty thread locker to the factory lower ball joint bolts.

Use a pry bar to lower the knuckle enough to connect it to the lower ball joint using **factory hardware**.

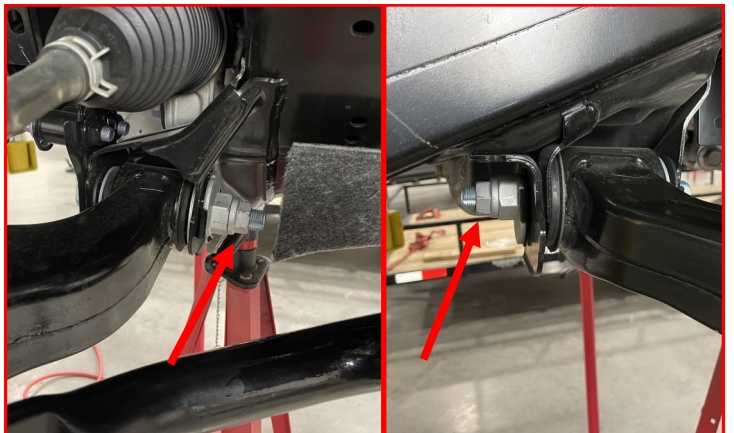
Torque the lower ball joint bolts to **115 ft-lbs**.



Torque the upper strut **hardware** to **40 ft-lbs**.



Tighten **inner control arm hardware**. Final torque spec must be set by alignment technician.



Torque the sway bar bracket **factory hardware** to **80 ft-lbs**.



Torque the sway bar end link **factory hardware** to **80 ft-lbs**.



Install the front wheels and lower vehicle to the ground. Torque the lug nuts to the wheel manufacturer specs.

Torque the lower strut **factory hardware** to **115 ft-lbs**.

Attach the vehicle negative power source. Have the alignment set to the recommended specs at the end of the instructions.

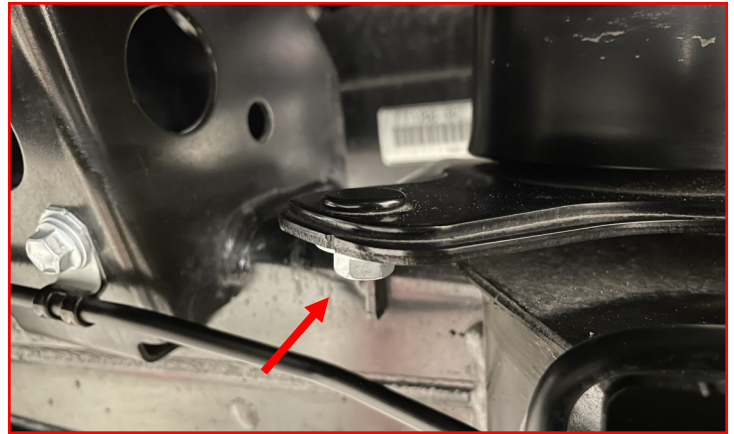
REAR INSTRUCTIONS ON FOLLOWING PAGE

Rear Installation

Mark the location of the center of the stud on the axle bracket and factory airbag.

Remove the nut holding the airbag to the axle.

Retain factory hardware.



Block the front tires and raise the rear of the vehicle using a suitable jack.

Support with jack stands at each frame rail in front of the rear bumper.

Remove the rear wheels.

It can help to remove the spare tire.

Steps must be repeated on both sides concurrently.

Remove the **bolt** (one on each side) holding the brake line to the axle.

Retain factory hardware.



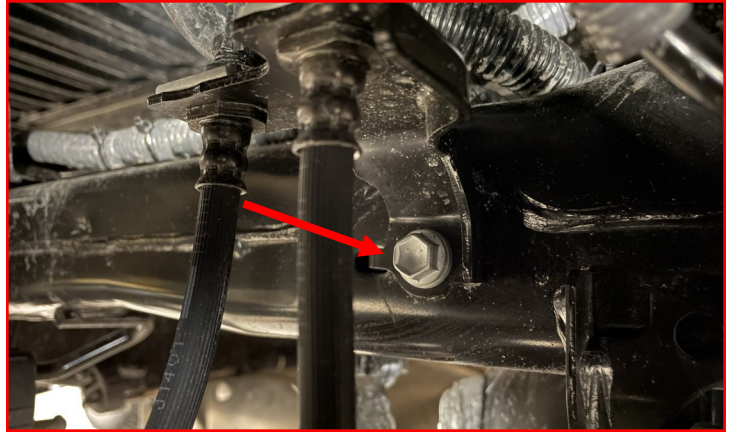
Remove the **bolt** (one on each side) holding the brake line to the body.

Retain factory hardware.



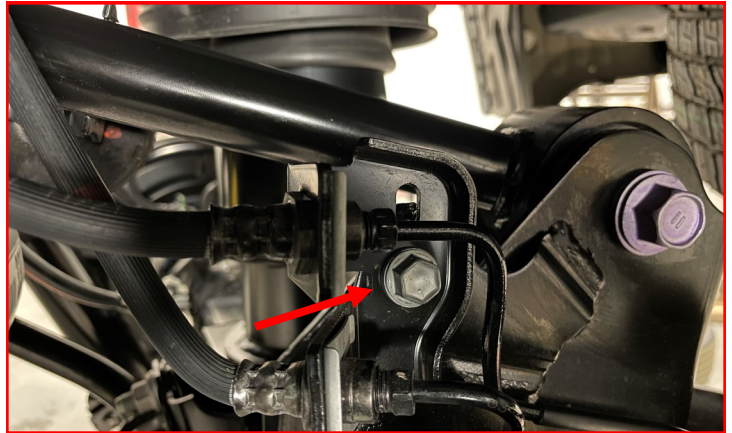
Remove the **bolt** holding the brake line to the frame.

Retain factory hardware.



Remove the **bolt** holding the brake line to the axle.

Retain factory hardware.



Remove the **end link nut** and let the end hang out of the way.

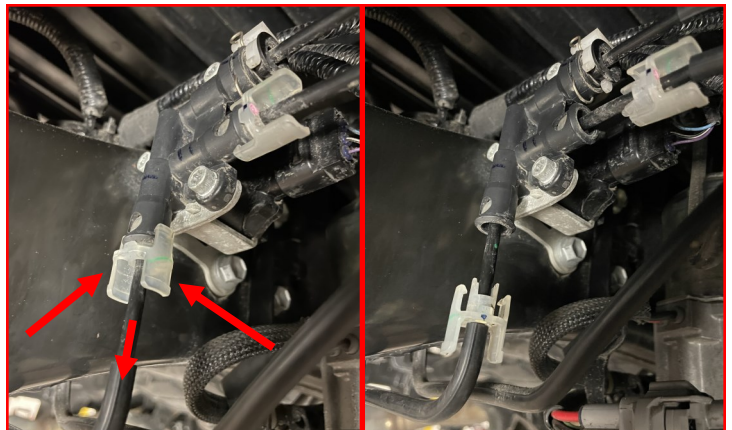
Retain factory hardware.



DO NOT HANG THE AXLE FROM THE FACTORY AIRBAG! SEVERE DAMAGE CAN OCCUR IF NOT FOLLOWED!

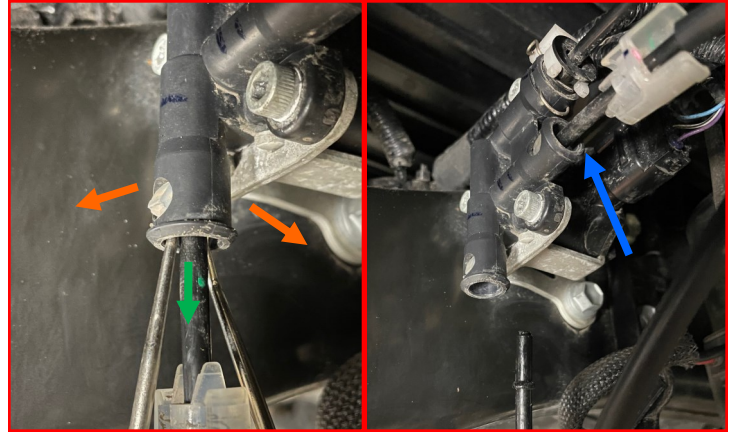
Support the axle with adequate jacks.

Pinch the opaque plastic clip and pull away from the fitting.



Using two small picks or flathead screwdrivers, **carefully** separate the **tabs** from the airline hose and pull the **hose** out of the fitting. Let it hang out of the way. Repeat on the **other connector**.

NOTE: It does not require much force to separate the tabs or pull out the hose.



Loosen but **DO NOT** remove the **lower shock bolt**.



Remove the **upper shock nut** and bushing.

Lower the axle and compress the shock enough to remove it out of it's perch.

Retain factory hardware.



Compress the factory airbag enough to slide the **supplied drill template** between the airbag and the axle. Secure the template to the axle mount.

Note: the spacers are sided, passenger side shown.

Mark and drill out to 7/16".

Remove the drill template.



Seal the hole with an adequate coating.



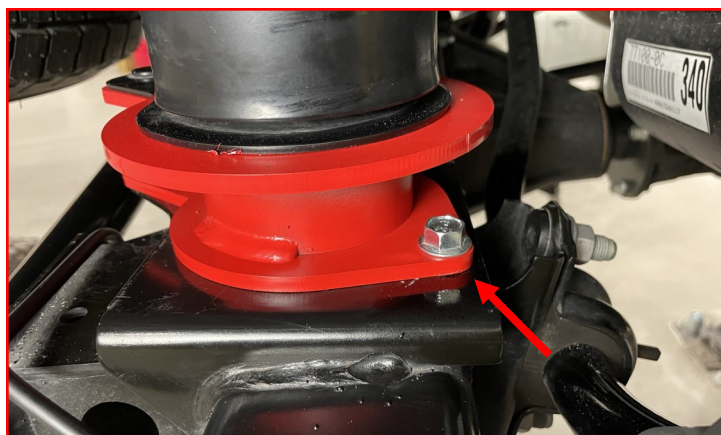
Insert the ReadyLIFT **rear airbag spacer**. Line the center of the spacer up with the marked location on the axle mount and factory airbag.

Note: the spacers are side specific, passenger side shown.



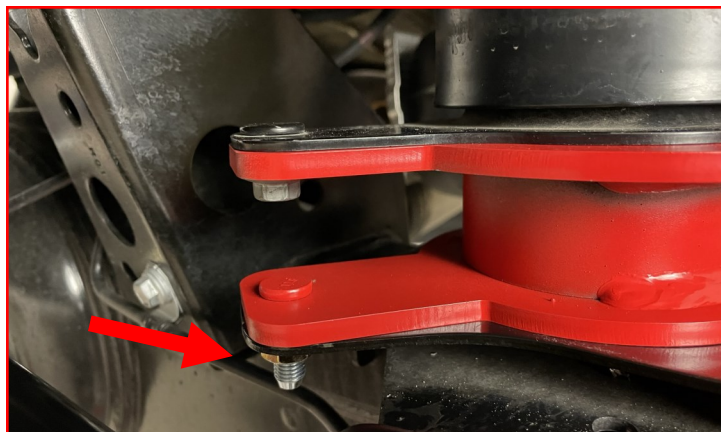
Insert the **supplied M10-1.25 x 20mm flange bolt** and **M10-1.25 flange nut** into the previously drilled hole.

Do not tighten at this time.



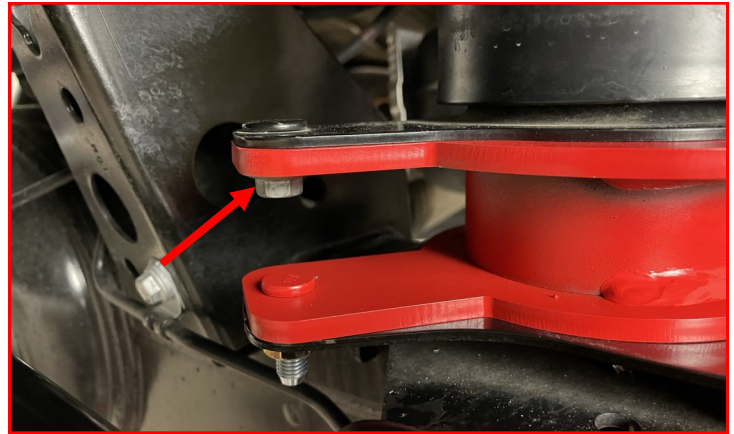
Use the **supplied M10-1.25 serrated flange nut** to attach it to the axle.

Do not tighten at this time.



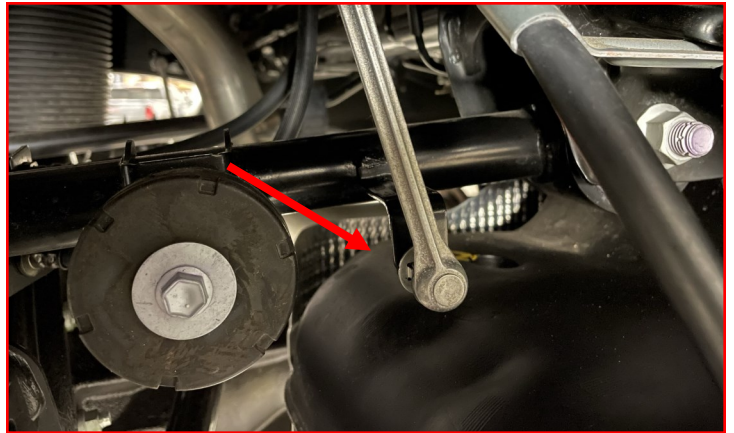
Use the **supplied M8-1.25 extended thread nut** to attach the airbag to the spacer.

Do not tighten at this time.



Remove the nut on the ride height sensor arm at the lower control arm.

Retain factory hardware.



Using the **supplied M6 bolt, washers, and locking nut**, install the **airbag ride height sensor bracket** to the control arm with the bent location tab facing to the rear of the vehicle.

NOTE: the driver side must be installed on the outboard side of the bracket.

Torque **hardware** to **8 ft-lbs**.



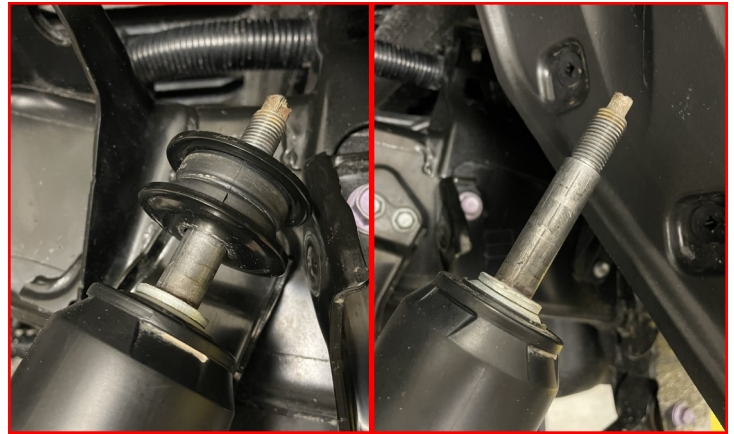
Attach the factory ride height sensor arm to the **ReadyLIFT bracket** using **factory hardware**.

The finale ride height adjustments will be set when the vehicle is on the ground, but the arm needs to be secured to the bracket.



Remove the **lower factory strut bushing** from the shock.

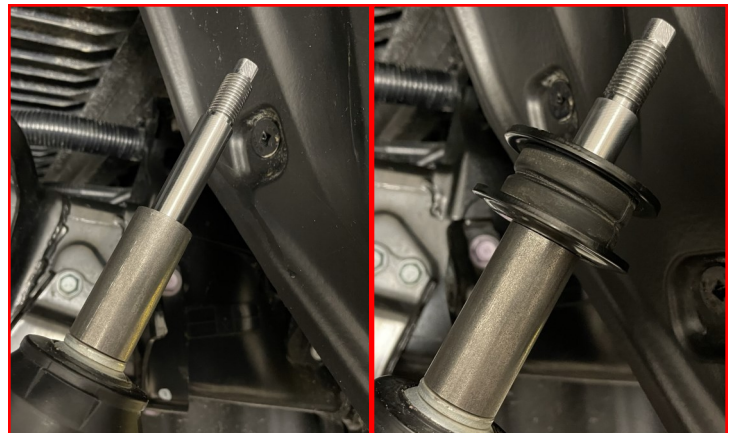
Retain factory hardware.



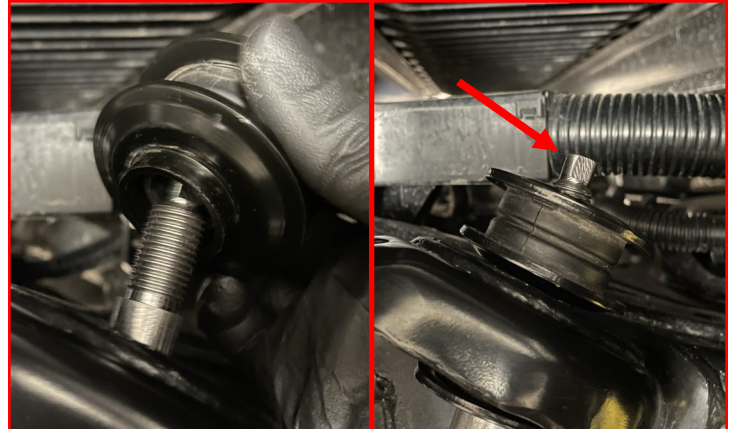
Apply a small amount of thread locker to the factory shock and install the **ReadyLIFT rear strut extension** onto the factory strut.

Apply a small amount of thread locker to the **two locking screws** and torque to **10 ft-lbs**.

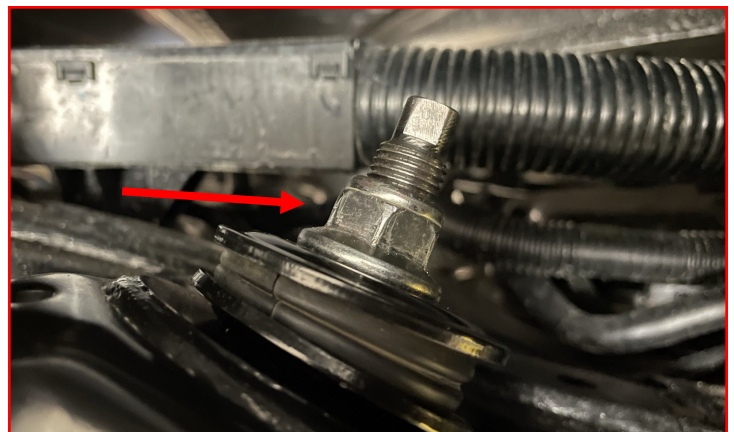
Slide the **lower factory shock bushing** onto the **rear strut extension**.



Install the **upper factory shock bushing** and **nut**.



Torque the **upper shock nut** to **60 ft-lbs**.

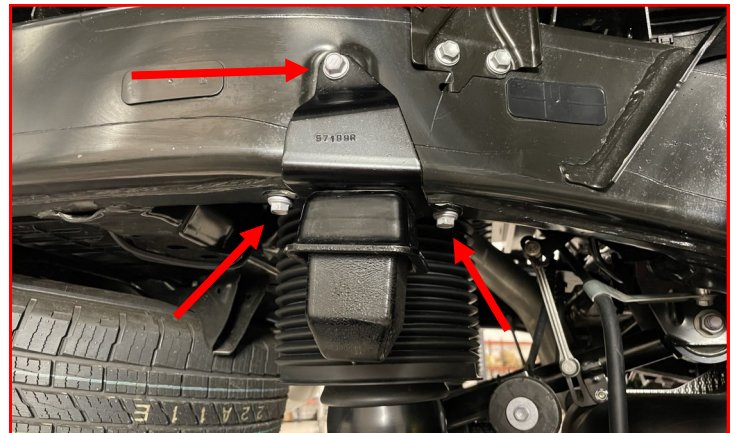


Torque the **lower shock bolt** to **60 ft-lbs**.



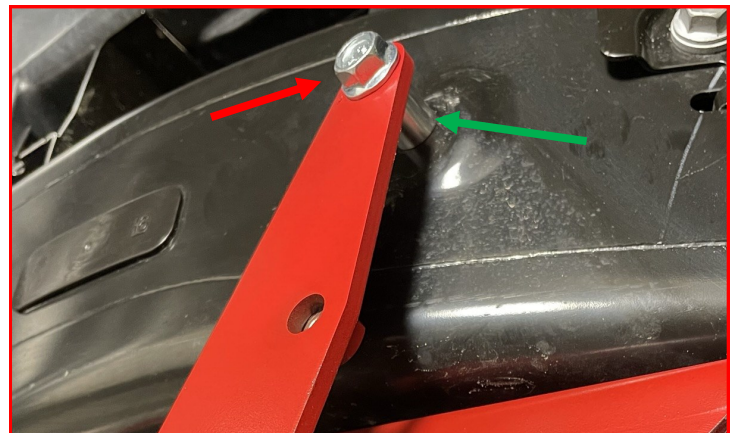
Remove the three bolts holding the factory bump stop to the frame.

Retain factory hardware.



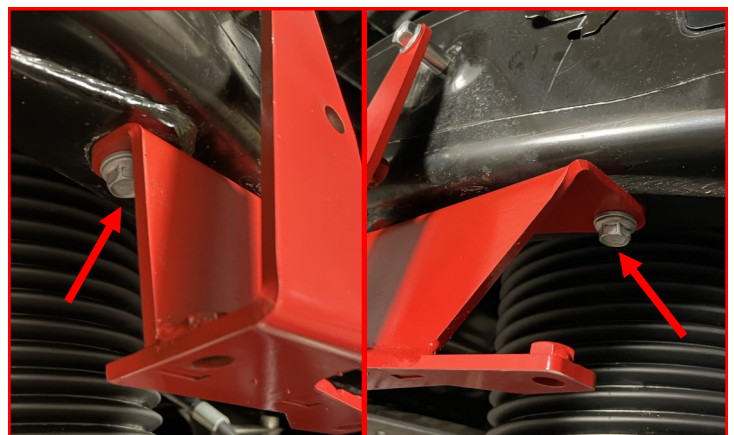
Using the supplied **M8-1.25 x 40 hex head flange bolt** and the **aluminum crush sleeve**, attach the **bump stop extension** to the frame using the top hole on the extension.

Do not tighten at this time.



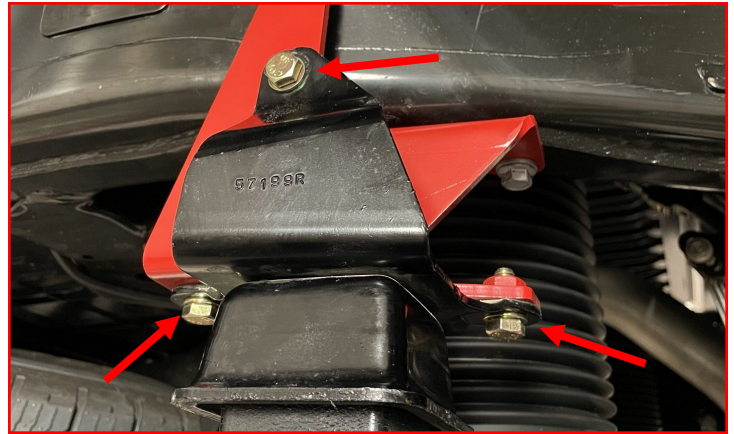
Use **factory hardware** in the bottom holes.

Torque all **hardware** to **20 ft-lbs**.



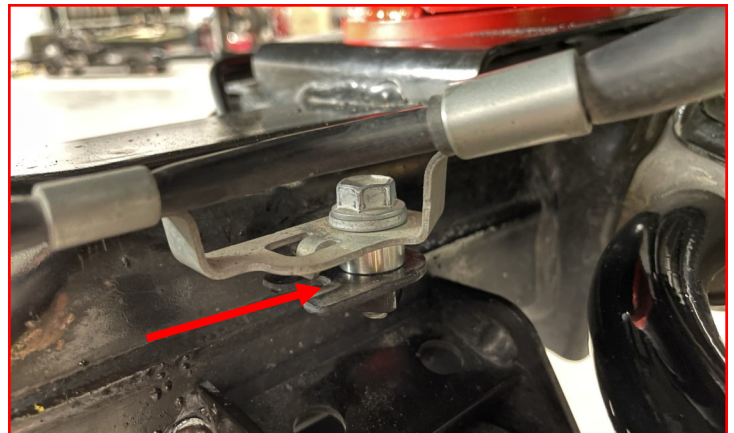
Attach the factory bump stop to the extension using the supplied **M8-1.25 x 20 hex head bolts** and **M8 flat washers**, starting with the lower bolts.

Torque **hardware** to **20 ft-lbs**.



Install the **rear brake line spacer** between the brake line and the axle using the **factory bolt** (one on each side) holding the brake line to the axle.

Torque to **20 ft-lbs**.



Install the **rear brake line spacer** between the brake line and the chassis using the **factory bolt** (one on each side) holding the brake line to the axle.

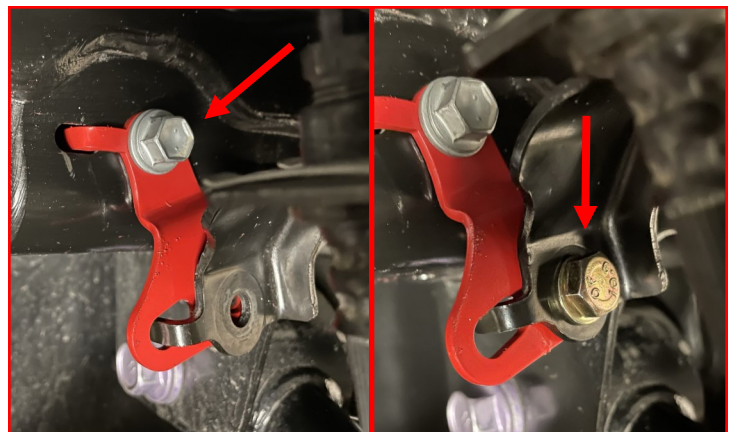
Torque to **20 ft-lbs**.



Using **factory hardware**, install the **rear brake line relocation bracket** holding the brake line to the frame.

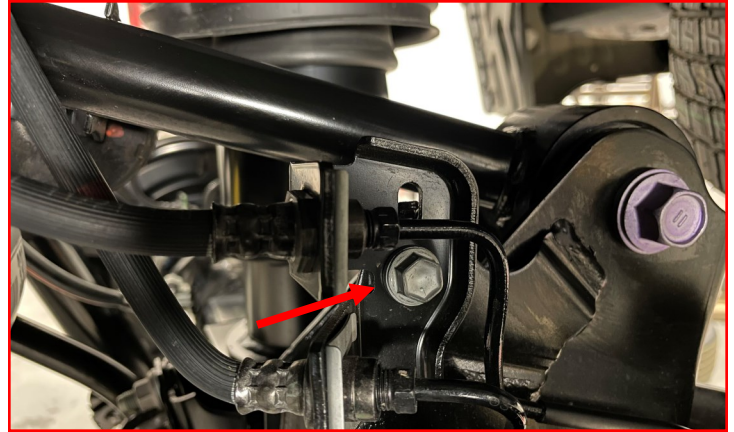
Attach the factory bracket to the **relocation bracket**.

Torque to hardware to **20 ft-lbs**.



Install the bracket holding the brake line to the axle using **factory hardware**.

Torque to **20 ft-lbs**.



Install the end link onto the frame using **factory hardware**.

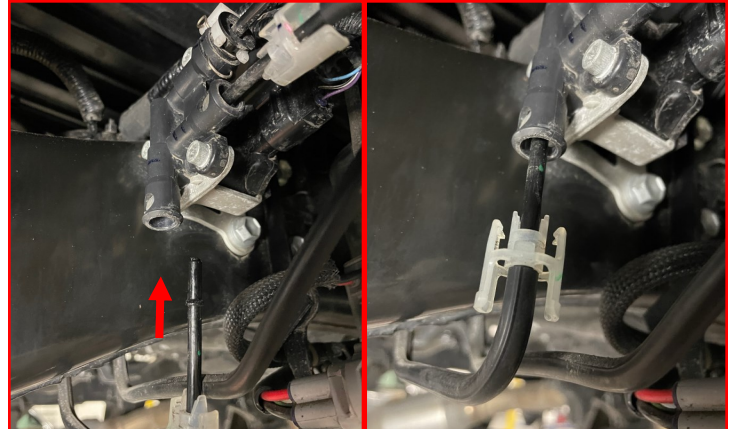
Torque to **60 ft-lbs**.



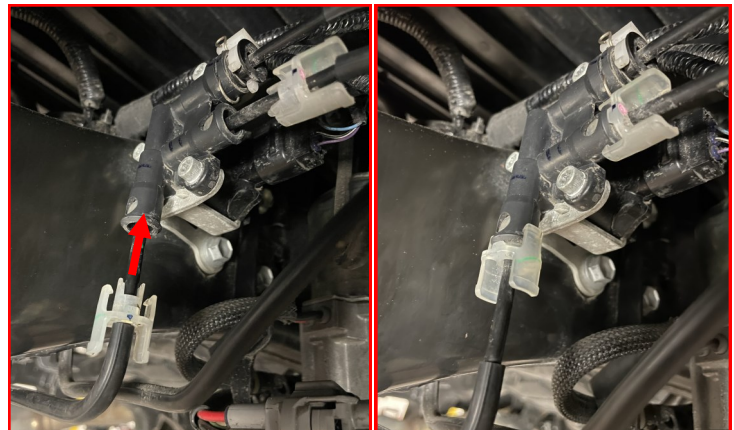
****BEFORE** CONNECTING THE AIRLINES, ADD AIR TO THE BAGS WITH AN AIR CHUCK UNTIL INFLATED. CHECK TO MAKE SURE THERE ARE NO KINKS IN BAG WHILE INFLATING.**

*****SEVERE DAMAGE CAN OCCUR IF NOT FOLLOWED!*****

Push the air hoses back into the fitting until it clicks in place.



Push the clips back into place.



BEFORE LOWERING THE VEHICLE TO THE GROUND, FULLY INFLATE THE AIRBAGS WITH THE ONBOARD SYSTEM!

*****SEVERE DAMAGE CAN OCCUR IF NOT FOLLOWED!*****

It is suggested to lower the vehicle so the wheels are on the ground, but the system is still unloaded. Turn on the vehicle and set the ride height at 'HI'. SLOWLY lower the vehicle until the air compressor turn on. Wait 1 minute or until the system turns off. Repeat until at 'HI' ride height setting.

Install the rear wheels and lower vehicle to the ground. Torque the lug nuts to the wheel manufacturer specs.

Torque the **axle to rear airbag spacer hardware** to **40 ft-lbs**.

Torque the **rear airbag spacer to airbag hardware** to **20 ft-lbs**.

Set the rear ride height to the original rear ride height measurement plus 2 inches (~23.5") by sliding the rear ride height sensor arm up or down the slotted bracket.

Torque the **factory hardware** **8 ft-lbs**.



FAILURE TO PERFORM THE POST INSPECTION CHECKS MAY RESULT IN VEHICLE COMPONENT DAMAGE AND/OR PERSONAL INJURY OR DEATH TO THE DRIVER AND/OR OTHERS.

Final Checks & Adjustments

Once the vehicle is lowered to the ground, check all parts which have rubber or urethane components to ensure proper torque. Torque lug nuts to the wheel manufacturer specs. Move vehicle backwards and forwards a short distance to allow suspension components to adjust. Turn the front wheels completely left then right and verify adequate tire, wheel, brake line, and ABS wire clearance. Test and inspect steering, brake and suspension components for tightness and proper operation. Inspect brakes hoses and ABS lines for adequate slack at full extension, adjust as necessary.

RECHECK ALL HARDWARE FOR PROPER TORQUE VALUES AFTER 500 MILES, AND THEN PERIODICALLY AT EACH SERVICE INTERVAL THERAFTER.

Vehicle Handling Warning

Increasing the height of your vehicle raises the center of gravity and can affect stability and control. Use caution on turns and when making steering corrections.

Vehicles with larger tires and wheels will handle differently than stock vehicles. Take time to familiarize yourself with the handling of your vehicle.

Wheel Alignment/Headlamp Adjustment

It is necessary to have a proper and professional wheel alignment performed by a certified alignment technician. Align the vehicle to factory specifications. It is recommended that your vehicle alignment be checked after any off-road driving.

In addition to your vehicle alignment, for your safety and others, it is necessary to check and adjust your vehicle headlamps for proper aim and alignment. If the vehicle is equipped with active or passive safety/collision monitoring and/or avoidance systems including, but not limited to, camera- or radar-based systems, check and adjust your vehicle's systems for proper aim and function.

RECOMMENDED ALIGNMENT SPECS

| Front | Driver | Passenger | Tolerance | Total / Split |
|--------|--------|-----------|-----------|---------------|
| Camber | +0.2 | +0.2 | +/- 0.5 | +0.0 |
| Caster | +2.6 | +2.6 | +/- 0.5 | +0.0 |
| Toe | +0.12 | +0.12 | +/- 0.05 | +0.24 |