



PART# 949931M

2020+ JEEP GLADIATOR MOJAVE

**3" LIFT KIT
W/ SHOCK EXTENDERS**



4 HOUR INSTALL TIME



Recommended Tire size
40x13.50

Components	Hardware	Hardware Pack #
(2) 759730 FRONT COILS	(2) 7/16-14 X 2 1/2" BOLTS	9499H
(2) 739925 REAR COILS	(2) 7/16 FLAT WASHERS	
(1) 999800 FRONT TRAC BAR	(4) M8-1.25 X 20 BOLTS	
(2) 8898FBS FRONT BUMP STOPS	(4) M8-1.25 NYLOCK NUTS	
(2) 8899RBS REAR BUMP STOPS	(8) M8 FLAT WASHERS	
(2) 8899RSB SWAY BAR END LINKS	(2) M6-1.0 X 16 BOLTS	
(2) 8899RB REAR BRAKE BRACKETS	(2) M6-1.0 NLOCK NUTS	
(2) 9499FS-M FRONT SHOCK EXTENDER	(4) M6 FLAT WASHERS	
(2) 9499RS REAR SHOCK EXTENDER	(2) M12-1.75 X 65 BOLTS	
	(2) M12-1.75 NYLOCK NUTS	
	(4) M12 FLAT WASHERS	9499H-SE
	(4) M14-2.0 X 80 HEX CAP SCREW	
	(4) M14-2.0 NYLOCK NUT	
	(8) M14 FLAT WASHER	

*THIS KIT REQUIRES TAPPING THE FRONT AXLE, BUMP STOP STRIKER PLATE HOLE WITH A 7/16-14 DIE

Please double check the parts list before beginning installation to ensure all parts are present. If there is something missing, please contact Maxtrac Suspension (714) 630-0363. Please have the boxes present if parts are missing or damaged

PRIOR TO INSTALLATION:

1. Factory service manual is recommended to have on hand.
2. Secure and properly block vehicle prior to beginning installation.
3. Always wear safety glasses when using power tools or working under the vehicle
- 4 Modification to any part will void the warranty associated with that product

AFTER REMOVING PARTS FROM VEHICLE, SAVE HARDWARE FOR REINSTALLATION



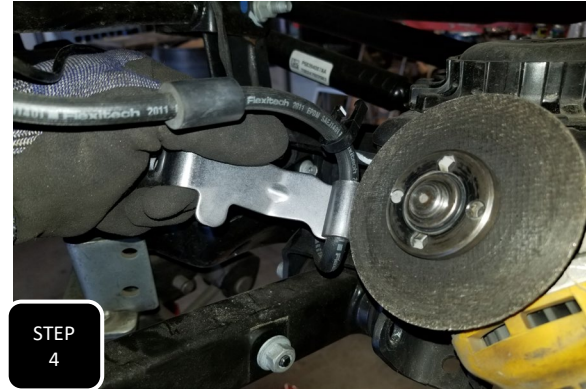
Step 1 Jack up the front of the vehicle and support under the frame rails with jack stands. Leave an adjustable jack under the middle of the axle and apply some pressure.



Step 2 Unbolt both front sway bar end links from both ends and remove. **NOTE: THEY WILL NOT BE RE-INSTALLED.**



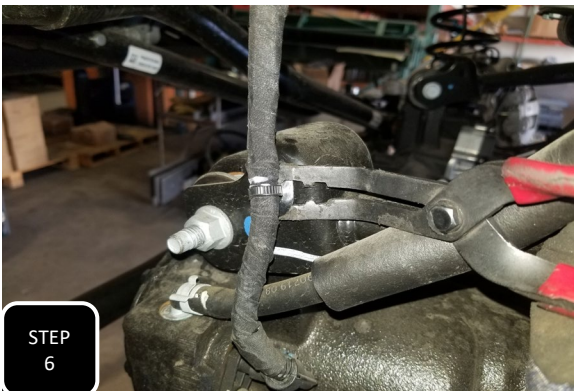
Step 3 Unbolt both front shocks from the axle only and separate.



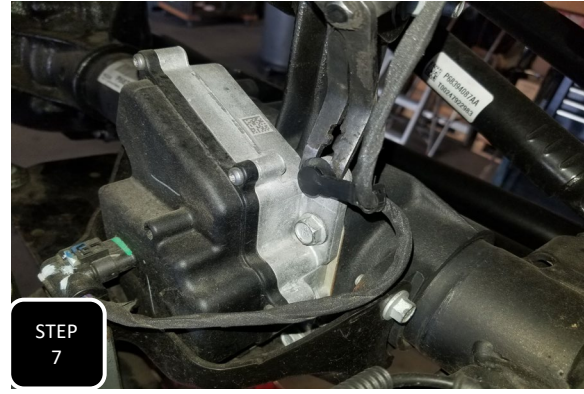
Step 4 Unbolt the front brake line guide bracket at both lower control arms. Using a suitable cutting device, cut a line about half way into where the bracket wraps the brake line to create a weak spot. **NOTE: BE VERY CAUTIOUS NOT TO NICK OR CUT THE LINE.**



Step 5 Once cut, use a screw driver to pry open the wrap around the line and remove the bracket.



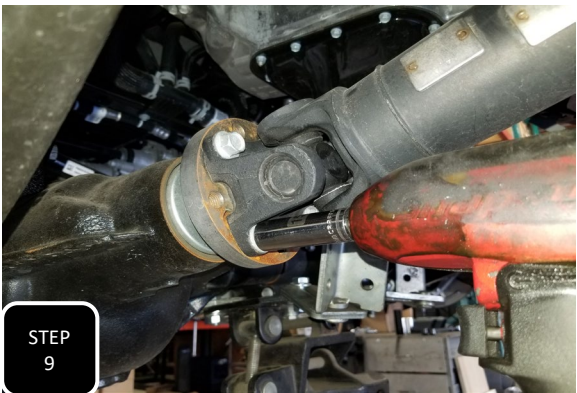
Step 6 Un-clip the diff plug wire guide from the driver's side upper control arm clevis and then separate the plug from the diff. This will prevent the wire from getting damaged when removing the coils.



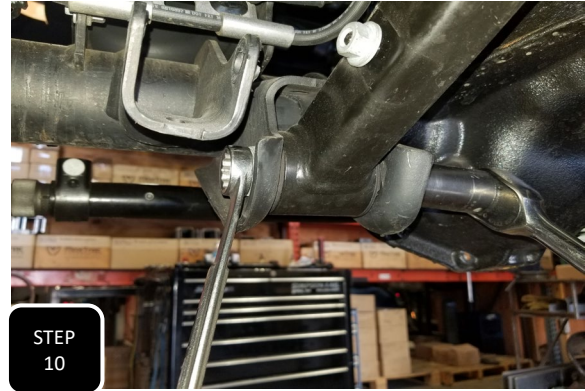
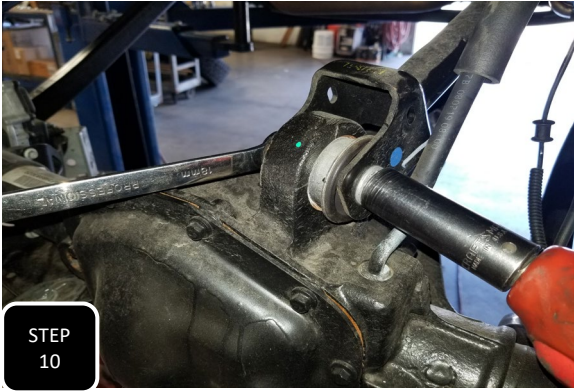
Step 7 Separate the wire wire guide from the passenger side upper control arm and then from the motor housing on the axle to allow for more slack when removing the coils.



Step 8 Unbolt the front trac bar from both ends and remove. **NOTE: THE FRONT TRAC BAR WILL NOT GET RE-USED.**



Step 9 Remove all four of the front drive shaft mounting bolts at the differential and separate the drive shaft from the drive flange. Support the drive shaft up out of the way.



Step 10 Loosen all four bolts that attach each of the control arms to the front axle, but do not remove.
NOTE: THIS WILL ALLOW FOR THE AXLE TO DROP LOWER AND MAKE IT EASIER TO INSTALL THE NEW COILS.



Step 11 Lower the front axle down and remove both front coils.



Step 12 Before installing the new coils, you will need to thread the hole in the coil seat on the axle using a 7/16-14 tap.



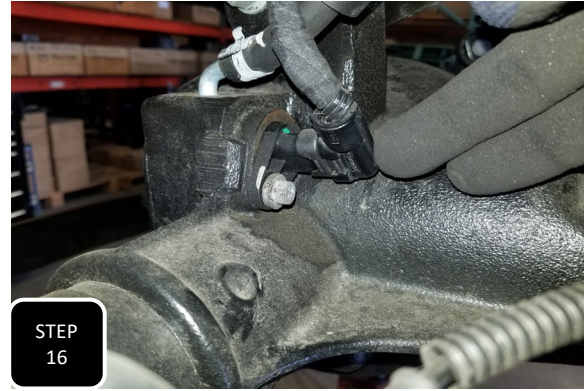
Step 13 Locate the front bump stop extensions and hold them right side up, inside the new coil, while installing the new coils. Once the coils are seated, attach the bump stop extensions using the provided 7/16-14 x 2 1/2" bolt and washer, then tighten.



Step 14 Install the front shock extenders using the factory bolt at the axle and provided bolt at the shock. These extenders are bent opposite of each other, but can fit on either side. Torque bolts to 90 ft/lbs. **NOTE: IT IS RECOMMENDED TO HAVE THE ANGLED SIDE OF THE EXTENDER FACING THE FRONT OF THE TRUCK AND THE STRAIGHT SIDE FACING THE REAR.**



Step 15 Re-attach the drive shaft to the front diff using the factory bolts and tighten.



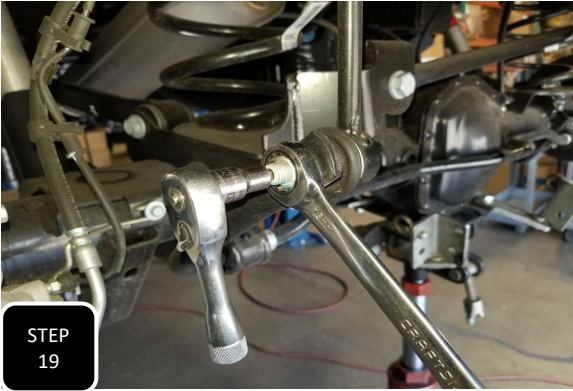
Step 16 Unclip the wire guide for the front diff plug from the inside of the frame near the steering box. This will allow for more slack in the line and you can now re-attach the plug to the diff.



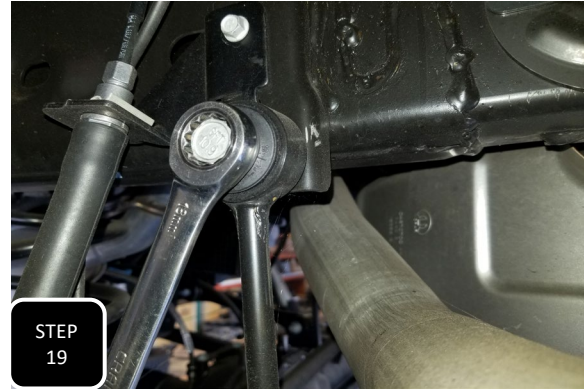
Step 17 Re-attach all other wire guides that were disconnected during the disassembly process.



Step 18 Loosely attach the new adjustable front trac bar using the factory hardware. **NOTE: DO NOT WORRY ABOUT FULLY TIGHTENING OR ADJUSTING THE TRAC BAR UNTIL THE VEHICLE IS BACK ON THE GROUND AT RIDE HEIGHT.**



Step 19 Go to the rear of the vehicle and remove the factory sway bar end links. They will now be utilized in the front.



Step 20 Install the rear sway bar end links in the front of the vehicle using the factory hardware. You will need to use the provided thick and thin gold washers to allow for a snug fit on the passenger side axle mount.



Step 21 Move to the rear of the vehicle and support the diff with an adjustable jack. Once supported, unbolt both shocks from the frame and separate.



Step 22 Unbolt both rear brake line brackets at the frame and then separate the clip that attaches the rear diff wiring to the e-brake cable near the diff.



Step 23 Loosen all 4 control arm mounting bolts enough to take tension off of the bushings. This will allow for an easier install of the new coils.



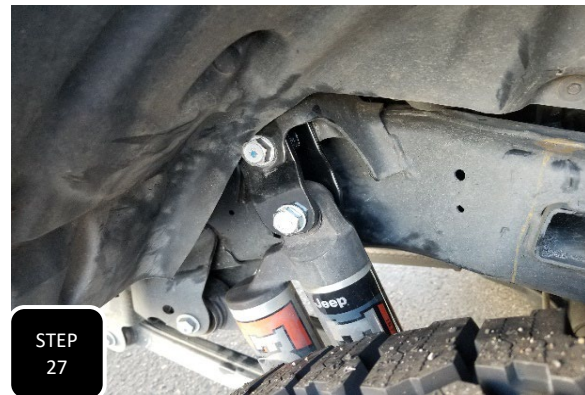
Step 24 Lower the axle and remove both coils. Transfer over the rubber isolator to the new coils and install them both into the vehicle.



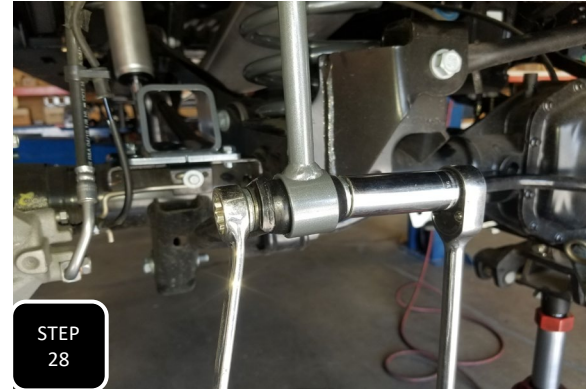
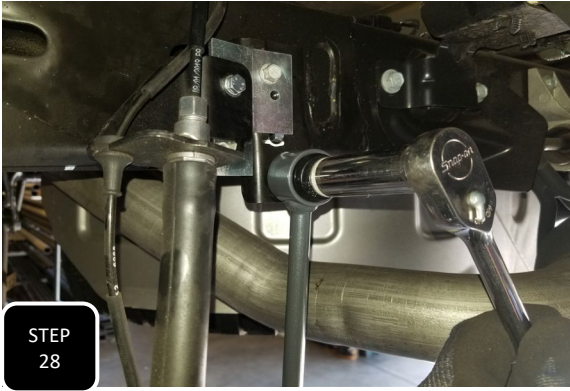
Step 25 Attach the provided rear brake line brackets to the factory brake line bracket using the provided M6 bolt, nut, and washer. Then attach the bracket to the original brake line mounting hole using the factory bolt and tighten. **NOTE: THE BRACKETS ARE SIDE SPECIFIC SO AND WILL ONLY FIT ONE WAY.**



Step 26 Install both rear bump stop extensions using the provided M8 bolts, nuts, and washers. Install the the extension with the square tube angling forward on the vehicle.



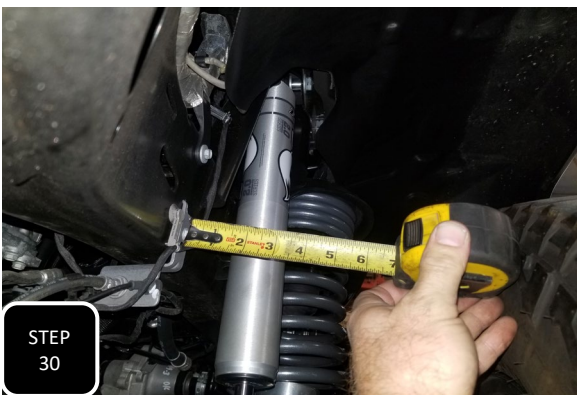
Step 27 Attach the shock extender to the shock using the supplied bolt and then to the frame using the factory bolt. The shock extenders are identical so they can go on either side. Torque bolts to 90 ft/lbs.



Step 28 Install the new rear sway bar end links using the factory bolt at the frame and the provided M12 bolt, nut, and washers at the sway bar. **NOTE: THERE IS A NARROW BUSHING AND A WIDER BUSHING ON THESE END LINKS. MAKE SURE THE NARROW BUSHING GETS ATTACHED AT THE FRAME.**



Step 29 Install the wheels and tires and then lower the truck down so it is now on the ground at ride height. Fully tighten all of the control arms that you loosened and the front trac bar at both ends.



Step 30 Using a tape measure, find a constant spot to measure the distance between the inside of each front tire to the frame. Loosen the clamps on the adjustable front trac bar and adjust the length of the trac bar until you read the same measurement on both sides. Then tighten down the clamps.



Step 31 Position the front tires until they are evenly facing forward. Loosen the tension clamp on the drag link and adjust it until the steering wheel is straight again, then tighten the tension clamp back down.



The truck featured above is on 35" tires

AFTER MODIFYING YOUR SUSPENSION

***HAVE THE VEHICLE'S ALIGNMENT CHECKED**

***PROPERLY ADJUST YOUR HEAD LIGHTS FOR THE NEW STANCE OF THE SUSPENSION**

***RE-TORQUE ALL BOLTS AFTER 500 MILES**

***IF YOUR VEHICLE IS EQUIPPED WITH ADAPTIVE CRUISE CONTROL THEN THE SENSORS WILL NEED TO BE ADJUSTED FOR THE NEW STANCE OF THE SUSPENSION**



MaxTrac
s u s p e n s i o n

RIDE HEIGHT SHEET

*THIS SHEET MUST BE FILLED OUT PRIOR TO CALLING WITH ANY DISCREPENCIES

YEAR _____ MAKE _____ MODEL _____

4WD / 2WD / AWD

MEASUREMENTS

*MOST ACCURATE MEASUREMENT IS FROM THE BOTTOM OF THE RIM, STRAIGHT UP TO THE BOTTOM OF THE FENDER

*TRUE HEIGHT WONT BE ACCURATE UNTIL VEHICAL IS ALIGNED

*THE VEHICLE'S CASTER WILL BE INCREASED OR DECREASED IF ONLY THE FRONT OF THE VEHICLE IS MODIFIED

	BEFORE	AFTER	DIFFERENCE
DRIVER FRONT	_____	_____	_____
DRIVER REAR	_____	_____	_____
PASSENGER FRONT	_____	_____	_____
PASSENGER REAR	_____	_____	_____

LIMITED LIFETIME WARRANTY

Max Trac Suspension makes no warranty, expressed or implied, as to the merchantability, fitness for purpose, description, quality, productiveness, accuracy or any other matter with respect to every product, all such warranties being hereby specifically and expressly disclaimed by Max Trac. Max Trac may offer technical advice or assistance with regard to the products based on laboratory and/or field experience and customer understands and agrees that such advice represents only good faith opinions and does not constitute a warranty or guarantee. The sole and express warranty provided by Max Trac is to warrant that the products sold as listed comply with Max Trac's specification at the date and time of manufacture. Max Trac makes no warranty that such products shall meet such specification at any time after installation of products. Use of such product is specifically not warranted, and Max Trac specifically excludes from this express warranty parts subject to normal wear and tear after one year, finish after one year, damage resulting from failure to follow recommendations in installation manuals, competition or off-road use, and damages caused by aftermarket products. Max Trac's liability and customer's exclusive remedy for any breach of this limited express warranty is limited to repair, replacement, or refund at Max Trac's option and in Max Trac's sole discretion. There are no warranties which extend beyond the description on the face hereof.

Our limited lifetime warranty excludes the following items: bushings, bump stops, ball joints, tie rod ends, rod end/heim joints, and shock absorbers. These parts are subject to immediate wear and tear and are not considered defective when worn. They are warranted for twelve (12) months from the date of purchase only for defects in workmanship.

This Max Trac warranty is void if (1) the vehicle is not aligned after kit installation, (2) proper maintenance is not routinely performed, (3) the Max Trac products are misused or abused in any way in either installation or service, or (4) the products are used in a way that violates federal, state, or local law or regulation in any respect. Max Trac is not responsible for vehicle compatibility with other aftermarket products. Warranty coverage does not include consumer opinions regarding ride comfort, fitment and design after product installation.

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

WARRANTY RETURN

Contact Maxtrac by sending an email with a copy of the original purchase receipt, along with photographs clearly illustrating the failure mode.

1. Upon validating the information provided, Maxtrac will issue a Return Manufacturer Authorization number (RMA#).
2. Return your product to Max Trac Suspension at your expense in order to execute a claim under this warranty.
3. Include the RMA# on the outside of the box. Any returns without the RMA# will be refused.

NON-WARRANTY RETURN & CREDIT POLICY

Your item must be in its original unused and resalable condition to be returned, unless there is a manufacturing defect. You must return the item within 30 days of your purchase. Otherwise, there will be an additional restocking fee.

1. Please contact Max Trac Suspension at (844) 535-1668 to obtain a Return Manufacturer Authorization Number (RMA#).
2. Return your product to Max Trac Suspension at your expense.
3. Include the RMA# on the outside of the box. Any returns without the RMA# will be refused.

Return Exceptions

Merchandise that has been installed, used, or altered may be subject to no credit.

Restocking Fee

All items are subject to a restocking fee based on the condition of the packaging and product.

Max Trac Suspension does not credit shipping and handling. Credit minus applicable restocking fee will be determined and issued within 10 business days of product receipt.

All returns will be credited to your Maxtrac account.



INSTALLATION WARNINGS

READ INSTRUCTIONS AND WARNINGS COMPLETELY PRIOR TO INSTALLATION.

MAXTRAC IS NOT RESPONSIBLE FOR ANY DAMAGE OR INJURY DUE TO IMPROPER INSTALLATION OR MAINTENANCE.

Installer is responsible to insure a safe and controllable vehicle after performing modifications. 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. Included instructions are recommended guidelines only.

Max Trac Suspension recommends reference to the OE Service Manual corresponding to the model and year of vehicle when either disassembling or assembling factory and related components.

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. 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 of installation.

MAXTRAC SUSPENSION DOES NOT ADVISE USING WHEELS WIDER THAN 9" OR WHEELS WITH LESS THAN 4.5" BACKSPACING. DOING SO WILL RESULT IN VOIDING ANY AND ALL MANUFACTURER WARRANTIES

Max Trac Suspension does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

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 settle. 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, and adjust as necessary.



ADDITIONAL WARNINGS

WARNING

Max Trac Suspension products should ONLY be installed by a certified professional mechanic with experience working on and installing suspension products. Professional knowledge and skill will typically yield the best installation results.

If you need a list of installers in your area, please contact Max Trac Suspension customer service to find one of our authorized dealers. Max Trac Suspension does not warrant work performed by any dealer, installer, or mechanic.

- All lifted vehicles may require additional driveline modifications and/or balancing.
- A Factory Service Manual for your specific Year/ Make / Model should be referenced during installation.
- Use of a vehicle hoist will greatly reduce installation time.
- Speedometer / computer calibration is required if changing +/- from factory tire diameter.
- Vehicle must be in excellent operating condition. Repair or replace any and all worn or damaged components prior to installation.

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

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 **WILL** affect stability and control. Use caution on turns and when steering. Vehicles with larger tires and wheels will handle differently than stock vehicles. Take time to familiarize yourself with the handling of your vehicle after product installation.

Wheel Alignment/Headlamp Adjustment

It is necessary after installation to have a 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 vehicle alignment, it is necessary to check and adjust vehicle head lamps 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.

Braking Warning

Generally, braking performance and capabilities are decreased when significantly larger or heavier tires and wheels are used. Take this into consideration while driving. Also, changing axle gear ratios or using tires that are taller or shorter than factory height will cause an erroneous speedometer reading. On vehicles equipped with an electronic speedometer, the speed signal impacts other important functions as well. Speedometer recalibration for both mechanical and electronic types is highly recommended.



SAFETY WARNINGS

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 operation.
- ALWAYS operate your vehicle at reduced speeds and maintain distance between vehicles and obstacles to ensure your ability to control your vehicle under all driving conditions. Failure to drive safely may result in serious injury or death to the driver and passengers.
- Driver and passengers must ALWAYS wear seat belts, avoid rapid steering angles and rates and other sudden maneuvers.
- You should NEVER operate your vehicle under the influence of alcohol or drugs.
- Please check all factory components for excessive wear and tear. Please replace worn factory parts before installing any suspension kits. Failure to do so will void any Max Trac warranty.
- Please inspect all wheel bearings and hub bearings for excessive wear and replace worn components before installing suspension kits. These hub and wheel bearings may wear out sooner with installation of larger tires and wheels. MaxTrac does not warranty these factory parts at any time, also using any wheel that MaxTrac does not recommend will void any warranty of MaxTrac components.
- 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 a vehicle before the purchase and installation of any Max Trac products.
- It is the responsibility of the driver to check the area around the vehicle for obstructions, people, and animals before moving the vehicle.
- All lifted vehicles have increased blind spots. Take note of these prior to operating the vehicle.

DAMAGE, INJURY AND/OR DEATH CAN OCCUR IF ANY OF THE ABOVE WARNINGS ARE NOT FOLLOWED.