

# **READYLIFT**<sup>®</sup>

**SUSPENSIONS**

## **69-41200 2" 2021-UP Nissan Rogue Lift Kit**

**IF your ReadyLIFT<sup>®</sup> 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.*

# **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**

	<b>Driver Before</b>	<b>Driver After</b>	<b>Passenger Before</b>	<b>Passenger After</b>
<b>Front</b>				
<b>Rear</b>				

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

## **RECORD HEAD LAMP MEASUREMENTS**

<b>Driver Before</b>	<b>Driver After</b>	<b>Passenger Before</b>	<b>Passenger After</b>

# **BILL OF MATERIALS**

<b>Front Strut Spacer</b>	<b>2</b>
<b>Rear Spring Spacer</b>	<b>2</b>
<b>Front Sway Bar Bracket</b>	<b>2</b>
<b>M12-1.75 x 30mm Hex Head Bolt GR 10.9</b>	<b>2</b>
<b>M12-1.75 Locking Nut</b>	<b>2</b>
<b>M12 Washer</b>	<b>4</b>
<b>3/8"-16 x 1" Flanged Hex Head Bolt</b>	<b>6</b>



***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 with the parking brake engaged.

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. Allow vehicle to cool before starting any work as you will be working in the engine bay.

Raise the front of the vehicle and support with safety jack stands at each jack point behind the lower control arms. Remove the front wheels.

### **Front Install Instructions**

Remove the **plastic bolt cover** from both driver and passenger wiper arms. Remove the mounting nut. Mark the windshield wiper location against the shaft for reinstallation. Gently lift up on the wiper arm while slightly twisting. The arm should pop off the shaft. Set aside.



Unplug the **washer hose**.



Remove the **factory mounting nut**. Mark the windshield wiper location against the shaft for reinstallation. Gently lift up on the wiper arm while slightly twisting. The arm should pop off the shaft.

**Retain factory hardware.**



Remove the **factory molding clip** on the driver side connecting the molding to the wiper cowl.

If molding becomes disconnected from vehicle retain hardware.



Remove the **factory molding clip** on the passenger side connecting the molding to the wiper cowl.

If molding becomes disconnected from vehicle retain hardware.



Locate the **x7 plastic clips** holding the cowl to the body. Remove all the clips and set aside. Gently lift up on cowl from the engine bay side, while lifting pull towards the front of the vehicle to disengage from the windshield. Once disengaged from the windshield, set aside in the engine bay.



Remove the upper sway bar end link from the strut to allow more room for the suspension to travel.

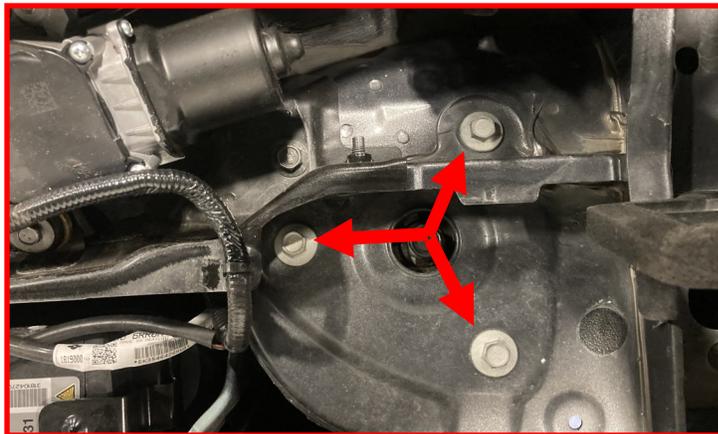
**Retain factory hardware.**



Support the lower control arm with a support jack.

Remove the 3 upper strut bolts from the strut tower.

**Retain factory hardware.**



Lower the jack to allow the suspension to droop out. Make sure that the brake lines and ABS wires are free and clear from any obstruction.



Install the **provided strut spacer** onto the strut mount using the **factory hardware**. This is a tight fit to get the strut spacer and bolts into place. Use of a pry bar may be needed for placement of the strut spacer. The top hat can be rotated to access the bolts. Once all have been started, tighten all down.



Use of a stubby wrench with a ratcheting head is recommended.

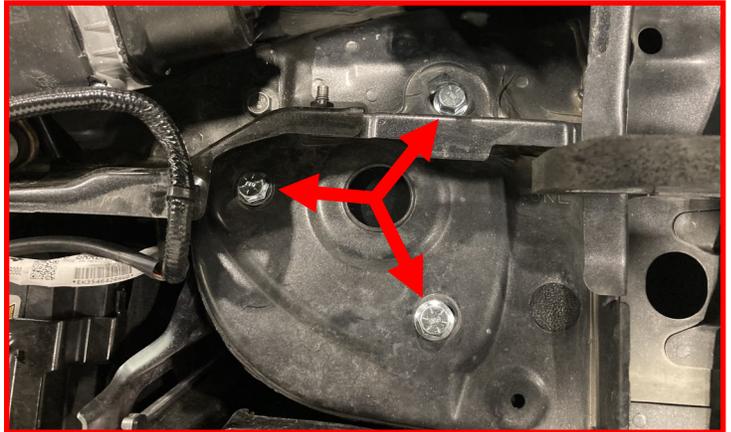
Torque to 20 ft-lbs.

You may need to use a crows foot wrench head and extension to gain access for the torque wrench.



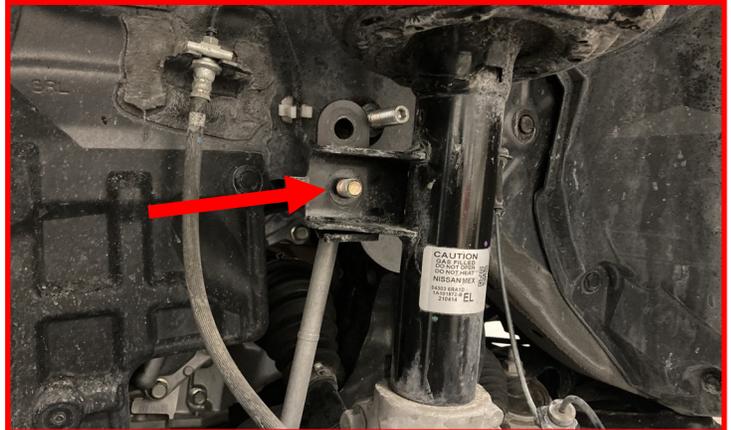
Raise suspension using the jack while lining the **upper strut extension** up with the bolt holes on the strut tower. Use of a helper will aid in the installation. Install the strut assembly to the strut tower using the **provided 3/8-16 bolts**.

Once all three bolts have been started, torque to 30 ft-lbs.



Install the **provided sway bar bracket** to the strut using the **provided M12 nuts, bolts, and washers**.

Torque to 30 ft-lbs.

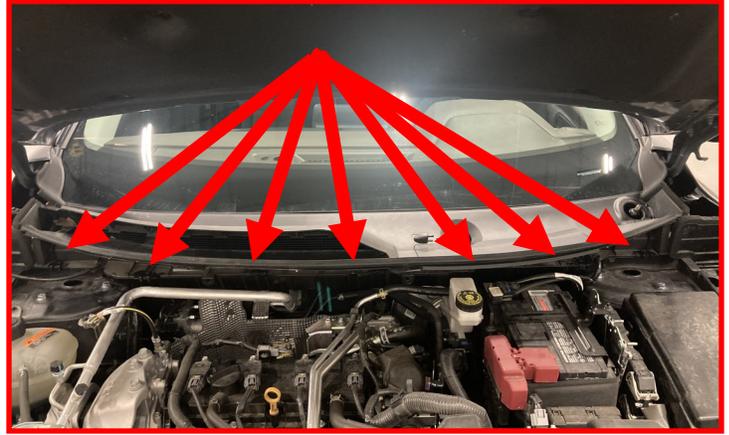


Install the **factory sway bar end link** to the bracket using the **factory hardware**.

Torque to 30 ft-lbs.



Re-install the **x7 plastic wiper cowl clips**.



Re-install the **passenger side molding clip** making sure that all the moldings are lined up before doing so.



Re-install the **driver side molding clip** making sure that all the moldings are lined up before doing so.



Re-install both **wiper blade arms** in the your marked location.

**Torque to 10 ft-lbs.**



Re-install both **wiper arm bolt caps**.



Re-install both **wiper nozzle hoses**.



You are now complete with the front suspension installation and can place the wheels back on the vehicle torquing them factory specs.

## **Rear Install Instructions**

Make sure the rear of the car is jacked up and on proper support stands. Remove the rear wheels and begin the rear installation.

Make sure the **rear lower control arm** is supported. Loosen and remove the factory hardware.

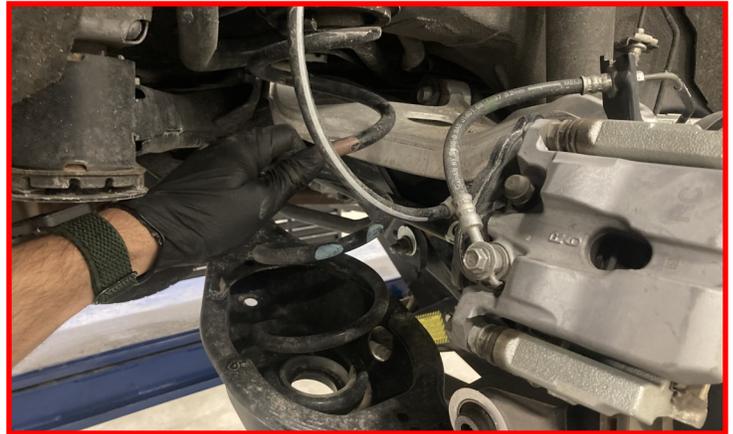
**Retain factory hardware.**



Loosen but do not remove the inner eccentric bolt.



Lower the jack and let the control arm swing down while supporting the spring assembly.



When you have enough room, place the **provided spring spacer** into the factory isolator.



The assembly should now look like the picture.



Once complete, position the spring spacer into the factory spring locator.



Raise the jack to seat the spacer and spring assembly properly. Make sure to bring the lower control arm into position with the knuckle while raising the jack.



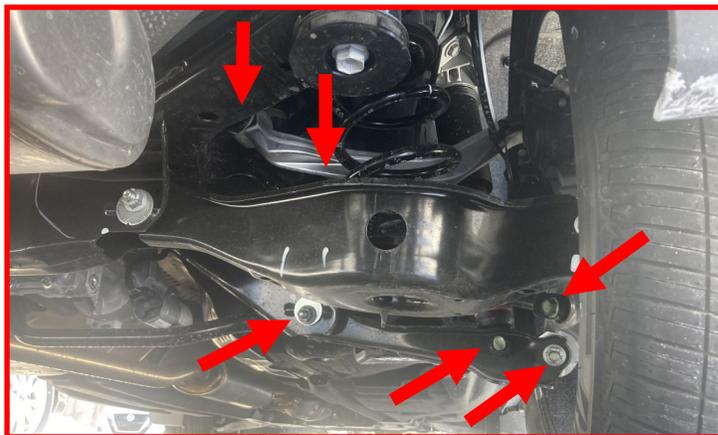
Once in position, put the bolt in place and thread the nut on.

**Do not tighten at this time.**



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

Once on a level surface with the wheels chocked, loosen **6** more bolts shown in the picture to allow the suspension to settle properly.



Once you've loosened the components on both sides of the vehicle, roll the vehicle back and forth a few times to let the suspension free itself.

You can now tighten the 8 pivot points.



Jounce the vehicle a few times to get the suspension to settle to the new ride height.

Torque upper control arm bolts to 100 ft-lbs.

Torque lower control arm bolts to 100 ft-lbs.

Torque rear toe adjustment at spindle to 75 ft-lbs.

Torque lower shock bolts to 65 ft-lbs.

Torque trailing arm bolts to 75 ft-lbs.

Repeat process on opposite side.

Final torque of the cam bolts to be set by the alignment tech during the alignment.

# **WARNING**

**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
Toe	+0.06	+0.06	+/-0.05	+0.12
Rear	Driver	Passenger	Tolerance	Total / Split
Camber	-0.05	-0.05	+/-0.05	-0.1
Toe	+0.18	+0.18	+/-0.05	+0.36