



300 HUEY LENARD LOOP | WEST MONROE | LA 71292  
OFFICE: 318-397-3000 | FAX: 318-397-3040  
SERVICE & TECH SUPPORT: 800-551-4955  
SUPERLIFT.COM

## 2004-2022 Nissan Titan 4WD 3" UCA Kit INSTALLATION INSTRUCTIONS



# THANK YOU FOR CHOOSING SUPERLIFT FOR ALL YOUR SUSPENSION NEEDS!!

## INTRODUCTION BEFORE INSTALLATION

Installation requires a professional mechanic. In addition to these instructions, professional knowledge of disassembly / reassembly procedures and post installation checks must be known.

PRIOR to beginning, inspect the vehicles steering, driveline, and brake systems, paying close attention to the suspension link arms and bushings, sway bars and bushings, tie rod ends, pitman arm, idler arm, ball joints and wheel bearings. Also check the steering sector-to-frame and all suspension-to-frame attaching points for stress cracks. The overall vehicle must be in excellent working condition; repair or replace all worn parts.

Read instructions several times before starting. Read each step completely as you go.

**Be sure you have all needed parts and know where they install.**

## NOTES:

- Do NOT install this suspension system in conjunction with any other type of aftermarket or fabricated components to gain additional suspension height.
- Do not fabricate any components to gain additional suspension height.
- Prior to attaching components, be sure all mating surfaces are free of grit, grime, grease, undercoating, etc.
- Front end alignment is necessary.
- Tool and Wrench/Socket size is given in brackets [ ] after each appropriate step.
- A foot-pound torque reading is given in parenthesis ( ) after each appropriate fastener.
- Always wear safety glasses when using power tools.
- A factory service manual should be on hand for reference.
- 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 stance.

## BEFORE YOU DRIVE

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, floor boards and wiring harness. Check steering components for clearance.

Test and inspect brake system. 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. Perform head light check and adjustment.

## WARNING

It is ultimately the buyer's responsibility to have all bolts / nuts checked for tightness after the first 100 miles and then every 1000 miles. The steering, suspension and driveline systems, plus wheel alignment should be inspected by a qualified professional mechanic at least every 3000 miles.

## TIRES & WHEELS

Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than factory, consider the additional stress you could be inducing on the factory and related components.

ALL tire & wheel combinations should be test fit prior to installation. Some minor trimming maybe required. Some minor trimming will be required with certain wheel/tire combinations. Trimming will normally include the bottom edge of the inner fender shrouds and/or lower corner of front bumper valance.

KIT BREAKDOWN		
Part Number	Qty.	Description
66-01-6210	1	Upper Control Arm, Driver Side
66-02-6210	1	Upper Control Arm, Passenger Side
55-03-6210	2	Strut Spacer
014	2	Rear Block
10422	4	Rear Ubolts
659624	2	Rear Shock Absorber
77-80038	2	Hardware Bag: Shock Absorber
77-6210-1	1	Hardware Bag: Kit
77-6210-2	1	Hardware Bag: Kit
77-1509	1	Hardware Bag: Ubolts

Step	Part Number	Qty. Per Kit	Description	New Attaching Hardware	Qty. Per Bracket	Hardware Bag Number
<b>FRONT</b>						
12	66-01-6210	1	Control Arm, Driver Side			
12	66-02-6210	1	Control Arm, Passenger Side			
9	55-03-6210	2	Strut Spacer	3/8" x 1" bolt, carriage coarse thread	3	77-6210-1
				3/8" push nut	3	
				3/8" nut, flange coarse thread	3	
<b>REAR</b>						
5	014	2		10422 - 9/16" x 2-1/2" x 8" ubolt, square bend	2	77-1509
				9/16" nut, hi fine thread	4	
				9/16" washer, ubolt	4	
7	659624	2	Shock Absorber, Rear	55-04-6210 - shock spacer	1	77-6210-2
				55-05-6210 - shock sleeve	1	
				shock bushings	1	

- 33" tires can be used without fender trimming.
- Maximum tire width is 12.5".
- Minimum wheel diameter is 17".
- Recommended wheel width is 8"-9".
- Minimum wheel backspacing is 4.5".
- Maximum wheel backspacing is 4.75".
- Stock wheels can be used with 33" tires.

**IMPORTANT DISCLAIMER:** The provided tire/wheel recommendations are approximate. Actual dimensions of a given tire size can vary considerably from one brand to another. Manufacturers' wheel offset and backspacing measurement points are not always consistent. Backspacing greatly impacts tire-to-fender clearance when turning. Wheel width and backspacing influence whether the tires protrude past the fenders, and to what extent.

**MAKE SURE YOU HAVE THE CORRECT LIFT FOR YOUR VEHICLE:  
Double check the Year, Make, Model, Lift Height and KIT Part Numbers.**

Prior to beginning the installation, OPEN the boxes and CHECK the included components compared to the Parts Breakdown. Check all parts and hardware in the box with the parts list below. Be sure you have all needed parts and know where they install.

IF you find a packaging error, contact SUPERLIFT directly. Do not contact the dealer where the system was originally purchased. You will need the control number from each box when calling; this number is located at the bottom of the part number label and to the right of the bar code.

**How to Read the Kit Breakdown Charts:**

The 'KIT BREAKDOWN' lists Part Numbers, Quantities & Part Description of the individual components & Hardware Bags that are included in each box. The 'HARDWARE BREAKDOWN' lists the Part Numbers, Quantities & Part Description of the individual components.

## **FRONT INSTALLATION**

1. NOTE: Save all factory components and hardware for reuse, unless noted.
2. Chock rear tires and place transmission in neutral. Raise front of vehicle with a jack and secure jack stand beneath each frame rail behind the lower control arms. Ease the frame down onto the stands and place transmission in park.
3. Remove front tires and wheels.
4. Disconnect the sway bar link from the sway bar body. [17mm]
5. Disconnect upper ball joint from the knuckle. [22mm]



6. If equipped, unclip the two lines from the upper control arm, remove the upper control arm bolts then remove the arm from the truck. [19mm]
7. Remove lower strut bolt. [19mm]
8. Remove the three upper strut nuts and remove the strut from the truck. [14mm]
9. Install three 3/8" carriage bolts into the new strut spacer (55-03-6210) and secure them to the spacer using the supplied push nuts.



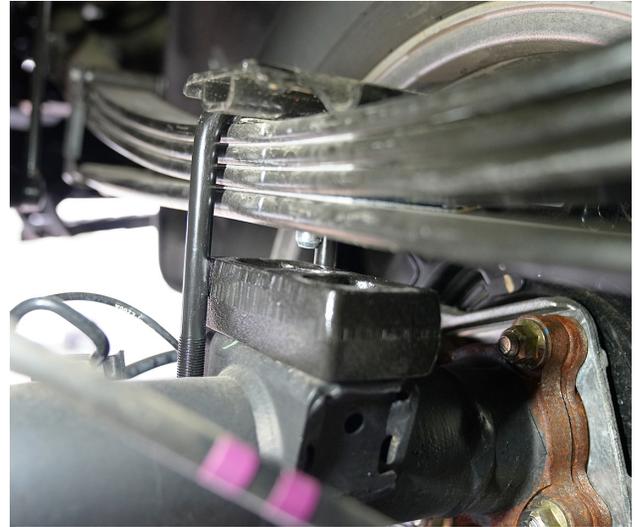
10. Install the strut spacer onto the strut and secure using the factory hardware. [14mm]
11. Install the strut assembly into the vehicle using the factory lower hardware and the supplied 3/8" flange nuts. Do not tighten the lower hardware.
12. Install the new upper control arm (66-01-6210 driver side, 66-02-6210 passenger side) and secure using the factory hardware.
13. Connect the ball joint to the knuckle.
14. Lower vehicle to the floor.



15. Tighten the lower shock mounting bolt at this time.
16. Reconnect the sway bar link to the sway bar body.

## REAR INSTALLATION

1. Chock rear tires and place transmission in neutral. Raise rear of vehicle with a jack and secure a jack stand beneath each frame rail in front of the lower control arms. Ease the frame down onto the stands and place transmission in park. Chock the front tires.
2. Remove front tires and wheels.
3. Remove the rear shocks [19mm & 21mm]
4. Remove the ubolts, then lower the axle enough to install the lift block.
5. Install the new lift block (014) and secure using the new ubolts (10422). [7/8"]



6. Install the bushings and sleeves into the shock eyes with the 1.625" sleeve going into the upper mount and the 1.875" sleeve going into the lower mounts. Put one new spacer (55-04-6210) over the lower sleeve. This spacer will install on the side that faces the outside of the vehicle.
7. Install the shocks into the vehicle and secure using the factory hardware.
8. Reinstall the tires and wheels and lower vehicle to the ground.



## FINAL CHECKS

1. Remove jack stands and lower vehicle to the floor and torque lug nuts.
2. The steering wheel must be centered prior to moving the vehicle or an electronic stability program sensor may be activated resulting in a dash light and a warning chime that requires 20 plus ignition key cycles to clear.
3. With the vehicle on the ground, check all components for proper operation and clearances. Pay special attention to the clearance between the tires / wheels, brake hoses, wiring, etc. Check tire/wheel

clearance with the fenders/bumper as well as with the steering knuckle.

4. Realign vehicle to factory specifications. It is necessary to have a proper and professional wheel alignment performed by a certified alignment technician.
5. Re-adjust headlights to proper setting.
6. Activate four wheel drive system and check for proper engagement.
7. Install the **Warning to Driver** decal on the inside of the windshield or dash within the Driver's view.

### **IMPORTANT MAINTENANCE INFORMATION**

It is the ultimate buyer's responsibility to have all bolts / nuts checked for tightness after the first 100 miles and then every 1000 miles. The steering, suspension and driveline systems, plus wheel alignment should be inspected by a qualified professional mechanic at least every 3000 miles.

### **LIMITED LIFETIME WARRANTY / WARNINGS**

Your SUPERLIFT® product is covered by the Limited Warranty explained below that gives you specific legal rights. This limited warranty is the only warranty SUPERLIFT® makes in connection with your product purchase. SUPERLIFT® neither assumes nor authorizes any retailer or other person or entity to assume for it any other obligation or liability in connection with this product or limited warranty.

### **SUPERLIFT, LLC, LIMITED LIFETIME WARRANTY**

What is covered? Subject to the terms below, SUPERLIFT® will repair or replace its products found defective in materials or workmanship for so long as the original purchaser owns the vehicle on which the product was originally installed. Your warranter is SUPERLIFT, LLC, doing business as SUPERLIFT® Suspension Systems ("SUPERLIFT®").

What is not covered? Your SUPERLIFT® Limited Warranty does not cover products SUPERLIFT® determines to have been damaged by or subjected to:

- Alteration, modification or failure to maintain.
- Normal wear and tear (bushings, rod ends, etc.). Scratches or defects in product finishes (powder coating, plating, etc.).
- Damage to, or resulting from, the vehicle's electronic stability system, related components or other vehicle systems.
- Racing or other vehicle competitions or contests. Accidents, impact by rocks, trees, obstacles or other aspects of the environment.
- Theft, vandalism or other intentional damage.

Remedy limited to repair or replacement. The exclusive remedy provided hereunder shall, upon SUPERLIFT's inspection and at SUPERLIFT's option, be either repair or replacement of the product covered under this Limited Warranty. Customers requesting warranty consideration should contact SUPERLIFT® by phone (1-800-551-4955) to obtain a Returned Goods Authorization number. All removal, shipping and installation costs are customer's responsibility.

If a replacement part is needed before the SUPERLIFT® part in question can be returned, you must first purchase the replacement part. Then, if the part in question is deemed warrant-able, you will be credited / refunded.

### **OTHER LIMITATIONS - EXCLUSION OF DAMAGES - YOUR RIGHTS UNDER STATE LAW**

- Neither SUPERLIFT® nor your independent SUPERLIFT® dealer are responsible for any time loss, rental costs, or for any incidental, consequential or other damages you may have.
- This Limited Warranty gives you specific rights, and this is the only warranty SUPERLIFT® makes in

connection with your product purchase. You may also have other rights that vary from state to state. For example, while all implied warranties are disclaimed herein, any implied warranty required by law is limited to the terms of our Limited Lifetime Warranty as described above. Some states do not allow limitations of how long an implied warranty lasts and / or do not allow the exclusion or limitation of incidental or consequential damages, so the limitations and exclusions herein may not apply to you. SUPERLIFT® neither assumes nor authorizes any retailer or other person or entity to assume for it any other obligation or liability in connection with this product or Limited Warranty.

### **IMPORTANT PRODUCT USE AND SAFETY INFORMATION / WARNINGS**

As a general rule, the taller a vehicle is, the easier it will roll over. Offset, as much as possible, what is lost in rollover resistance by increasing tire track width. In other words, go “wide” as you go “tall”; always use as wide a tire and wheel combination as feasible to enhance vehicle stability. We strongly recommend, because of rollover possibility, that the vehicle be equipped with a functional roll bar and cage system. Seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur.

Generally, braking performance and capabilities are decreased when significantly larger / 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.

Do not add, alter, or fabricate any factory or aftermarket parts to increase vehicle height over the intended height of the SUPERLIFT® product purchased. Mixing component brands is not recommended.

### **THANKS for choosing SUPERLIFT...**

For questions, technical support and warranty issues relating to this SUPERLIFT products, please contact SUPERLIFT directly.

**SUPERLIFT SUSPENSION  
300 Huey Lenard Loop Rd.  
West Monroe, Louisiana 71292  
Phone: (318) 397-3000  
Sales / Tech: (800) 551-4955  
Fax: (318) 397-3040  
SUPERLIFT.COM**