



**2008 Jeep Liberty 2WD / 4WD
07- 09 Dodge Nitro 2WD / 4WD
2" Polyurethane Spacer Lift
Installation Instructions**

www.skyjacker.com

REQUIRED TOOL LIST:

- Safety Glasses
- Metric / Standard Wrenches & Sockets
- Floor Jack
- Jack Stands
- Measuring Tape
- Torque Wrench
- Coil / Strut Spring Compressor



Before beginning the installation, thoroughly & completely read these instructions & the enclosed driver's WARNING NOTICE. Affix the WARNING decal in the passenger compartment in clear view of all occupants. Please refer to the Parts List to insure that all parts & hardware are received prior to the disassembly of the vehicle. If any parts are found to be missing, contact SKYJACKER® Customer Service at 318-388-0816 to obtain the needed items. If you have any questions or reservations about installing this lift kit, call SKYJACKER® Technical Assistance at 318-388-0816.

Make sure you park the vehicle on a level concrete or asphalt surface. Many times a vehicle is not level (side-to-side) from the factory & is usually not noticed until a lift kit has been installed which makes the difference more visible. Using a measuring tape, measure the front & rear (both sides) from the ground up to the center of the fender opening above the axle. Record this information below for future reference.

Driver Side Front: _____

Passenger Side Front: _____

Driver Side Rear: _____

Passenger Side Rear: _____

IMPORTANT NOTES:

- If larger tires (10% more than the stock diameter) are installed, speedometer recalibration will be necessary. Contact your local Dodge / Jeep dealer or an authorized dealer for details.
- After installation a qualified alignment facility is required to align the vehicle to factory specifications.

Component Box Breakdown:

Part #: KKN25

| Item # | Description | Qty |
|----------|-----------------------------|-----|
| LPS3323F | POLY SPACER LIBERTY 2.5" FR | 2 |
| LPS3784R | 2" POLY SPCR LIBERTY/NITRO | 2 |
| SBB3369 | SWAY BAR BUSH LIBERTY KJ | 2 |
| SC3441 | STEM CUSHION,DGE/LIBERTY | 4 |

| Item # | Description | Qty |
|------------|---------------------------|-----|
| SML10578-L | STRUT MOUNT LIBERTY LEFT | 1 |
| SML10579-R | STRUT MOUNT LIBERTY RIGHT | 1 |
| W10138 | SPECIAL WASHER | 2 |
| I-KKN25 | INSTRUCTION SHEET: KKN25 | 1 |

Front Installation:

1. Secure & properly block the tires of the vehicle on a level concrete or asphalt surface.
2. Raise the front of the vehicle in accordance to the manufactures recommendation & support with jack stands.
3. Remove the front tires / wheels.
4. Remove the upper ball joint nut & separate the upper ball joint from the steering knuckle using a ball joint remover or other suitable tool.
5. Disconnect the lower strut fork at the lower control arm & the lower portion of the strut assembly.(See Photo #1)
6. Remove the air box on the passenger side.
7. Remove the 4 upper strut nuts on the strut tower that holds the strut assembly to the strut tower.
8. Separate the strut fork from the strut assembly & remove the strut from the vehicle.
9. Compress the coil spring with a strut spring compressor & remove the upper strut nut, washer, & mounting plate. Remove the strut from the spring.
10. Remove the strut dust cover by cutting it off of the lower stem cushion washer & remove the lower stem cushion washer.
11. Remove the lower coil spring isolator from the strut & insert the coil spring spacer. (See Photo # 2)
12. When reassembling the strut assembly make sure that the coil spring aligns correctly with the coil spring spacer.
13. Remove the upper strut plate studs using a press. Install the factory studs into the new strut mounting plate with the studs facing in the upward position. Reinstall the upper strut isolator onto the new mount. (See Photo # 3)
14. Reassemble the strut assembly with the factory washer (bevel down), stem cushion, strut mount plate, stem cushion, washer, & nut. **(Making sure that the lower strut fork keyway aligns with the new upper strut mounting plate studs for reassembly.)** The keyway will face outward as will the wide set upper studs. Tighten the upper strut assembly nut washer. (See Photo # 4)



Photo # 1



Photo # 2



Photo # 3



Photo # 4

15. Reinstall the strut assembly into the vehicle & hand tighten the upper nuts.
16. Reinstall the lower strut fork & hand tighten the bolts.
17. Install the lower fork bolt onto the lower control arm. **(Make sure that the lower strut fork is aligned with the strut assembly keyway.)**
18. Tighten the 4 upper factory nuts & reinstall the air box.
19. Tighten the upper & lower fork bolts.
20. Reinstall the upper ball joint & tighten the nut.
21. Repeat steps 4 thru 20 for the opposite side.
22. Reinstall the front tires / wheels, remove the jack stands, & lower the vehicle to the ground.

Rear Installation:

1. Secure & properly block the tires of the vehicle on a level concrete or asphalt surface.
2. Raise the rear of the vehicle in accordance to the manufactures recommendation & support with jack stands.
3. Remove the rear tires / wheels.
4. With a floor jack supporting the axle, disconnect the upper shock mounts.
5. Lower the axle & remove the coil springs.
6. Remove the lower coil spring isolator.
7. Install the coil spring spacer in the same position as the lower isolator. (See Photo # 5)
8. Install the coil spring on top of the coil spring spacer. **(You may have to use a coil spring compressor to reinstall the coil spring.)**
9. Raise the floor jack & reconnect the upper shock mounts.
10. Repeat steps 4 thru 9 for the opposite side.
11. Reinstall the rear tires / wheels, remove the jack stands, & lower the vehicle to the ground.



FINAL NOTES:

- After the installation is complete, double check that all nuts & bolts are tight. Refer to the following chart again for the proper torque specifications. (Do not retighten the nuts & bolts where thread lock compound was used.)
- With the vehicle placed on the ground, cycle the steering lock to lock & inspect the steering, suspension, brake lines, front & rear drivelines, fuel lines, & wiring harnesses for proper operation, tightness, & adequate clearance.
- Have the headlights readjusted to the proper settings.
- Have a qualified alignment center realign the front end to the factory specifications.
- Retorque all the bolts after the first 100 miles.

Seat Belts Save Lives, Please Wear Your Seat Belt.

TORQUE SPECIFICATIONS

| <u>INCH SYSTEM</u> | | | <u>METRIC SYSTEM</u> | | |
|---------------------------|----------------|----------------|-----------------------------|------------------|-------------------|
| Bolt Size | Grade 5 | Grade 8 | Bolt Size | Class 8.8 | Class 10.9 |
| 5/16 | 15 FT LB | 20 FT LB | 6MM | 5 FT LB | 9 FT LB |
| 3/8 | 30 FT LB | 35 FT LB | 8MM | 18 FT LB | 23 FT LB |
| 7/16 | 45 FT LB | 60 FT LB | 10MM | 32 FT LB | 45 FT LB |
| 1/2 | 65 FT LB | 90 FT LB | 12MM | 55 FT LB | 75 FT LB |
| 9/16 | 95 FT LB | 130 FT LB | 14MM | 85 FT LB | 120 FT LB |
| 5/8 | 135 FT LB | 175 FT LB | 16MM | 130 FT LB | 165 FT LB |
| 3/4 | 185 FT LB | 280 FT LB | 18MM | 170 FT LB | 240 FT LB |

- **The above specifications are not to be used when the bolt is being installed with a bushing.**

Part # KKN25





Jesus Forgives,
Rocks Don't

Jesus Christ Died For You.

John 3:16

For God so loved the world that He gave His only Son, so that everyone who believes in Him should not perish, but have everlasting life.
Romans 3:23

For all have sinned; all fall short of God's glorious standard.
Ephesians 2:8

God saved you by his special favor when you believed. And you can't take credit for this; it is a gift from God.
Psalms 18:2

The Lord is my Rock, my fortress, and my savior; my God is my Rock, in whom I find protection. He is my shield, the strength of my salvation, and my stronghold.
Romans 10:9-10

That if you shall confess with thy mouth the Lord Jesus, and shall believe in your heart that God hath raised him from the dead, you shall be saved. For with the heart man believeth unto righteousness; and with the mouth confession is made unto salvation.

Pray This Simple Prayer:
God, I come to You admitting I have sinned against You and I need you to take control of my life. The Bible says anyone who calls on the name of the Lord will be saved. I am calling on You, Jesus. I ask that You come live in my heart and be the Lord over my life today. I do believe You died on the cross for me and came back to life to give me life! Thank You, Lord Jesus for a new life in You!

Now, go and tell somebody about your new life in Jesus, get a Bible, begin to read it, and go to a Bible believing church.

If you would like someone to pray with you, call Kenneth Copeland Ministries anytime at 800-600-7395.

To listen to commercial free Christian radio on the web, go to www.887fm.org

Jesús murió por ti.

Juan 3:16

“Porque tanto amó Dios al mundo, que dio a su Hijo unigénito, para que todo el que cree en él no se pierda, sino que tenga vida eterna.”
Romanos 3:23

“Pues todos han pecado y están privados de la gloria de Dios.”
Efesios 2:8

“Porque por gracia ustedes han sido salvados mediante la fe; esto no procede de ustedes, sino que es el regalo de Dios.”
Salmos 18:2

“El Señor es mi roca, mi amparo, mi libertador; es mi Dios, el peñasco en que me refugio. Es mi escudo, el poder que me salva, ¡mi más alto escondite!”
Romanos 10:9-10

“9 Que si confi esas con tu boca que Jesús es el Señor, y crees en tu corazón que Dios lo levantó de entre los muertos, serás salvo. 10 Porque con el corazón se cree para ser justifi cado, pero con la boca se confi esa para ser salvo.”

Ahora dí esta simple oración:
Dios, vengo a Ti y admito que he pecado contra Ti, necesito que tomes el control de mi vida. La Biblia dice que todo aquel que invoca el nombre del Señor escapará con vida. En este momento yo clamo ante Ti, Jesús; te pido que vengas a vivir en mi corazón y que tomes el control de mi vida. ¡Yo creo que tu moriste en la cruz y resucitaste para darme vida! ¡Gracias Señor Jesús, por una nueva vida que tengo en Ti! Amen.

Ahora ve y dile a alguien sobre la nueva vida que tienes en Cristo. Compra una Biblia y empieza a leerla. Busca una Iglesia que cree en la Biblia y hazte parte de esa Iglesia.

Si te gustaría orar con alguien, puedes llamar a este número 800-600-7395

Puedes ir a este sitio de Internet para escuchar música Cristiana sin anuncios, www.887fm.org

Check out our favorite ministries at:

www.innministries.org

www.familychurch.org

www.kcm.org

