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Jeep Gladiator JT 3.5" Suspension Lift Installation Instructions



Required Tools List:

- Safety Glasses
- Metric & SAE Sockets / Wrenches
- Metric & SAE Hex Key Sockets / Wrenches
- Pliers
- Diagonal Cutting Pliers
- Floor Jack
- Jack Stands
- Measuring Tape
- Torque Wrench

Before beginning the installation, read these instructions & the enclosed driver's WARNING NOTICE thoroughly & completely. Also 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 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 product, contact 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, but 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:

- After installation, the drag link must be adjusted to center the steering wheel before the vehicle is driven. Failure to do so will cause computer errors, odd handling characteristics, & poor performance.
- If larger tires (10% more than the OEM diameter) are installed, speedometer recalibration will be necessary. Contact your local Jeep dealer or an authorized dealer for details.
- After installation, a qualified alignment facility is required to align the vehicle to the OEM specifications.

Component Box Breakdown:

Part #: G350PBLT / G350PMLT / G350RPBLT / G350RPMLT / G351LT / G351RLT / G35B / G35M

Item #	Description	Qty	Item #	Description	Qty
G24FS-DR	FRONT D/R L/T COIL SPRING (Included w/ G350 & G351LT)	2	JL24LLFP-L	LOWER FRONT PASS LINK	1
JL34FS-DR	FRONT D/R L/T COIL SPRING (Included w/ G350R & G351RLT)	2	JLFTBA18-B	FRONT ADJUST TRACK BAR	1
JTG20RMS-S	REAR METAL COIL SPACER (Included w/ G350 & G350R)	2	34RFTJN	3/4 RIGHT HAND JAM NUT	1
G215RS-DR	REAR D/R L/T COIL SPRING (Included w/ G351LT)	1	HD34X34DTB	3/4 HEAVY DUTY ROD END	1
G220RS-DR	REAR D/R L/T COIL SPRING (Included w/ G351LT & G351RLT)	1	H-BOX G351	HWDR BOX: G350 / G351 KITS	1
G225RS-DR	REAR D/R L/T COIL SPRING (Included w/ G351RLT)	1	B8387	FRONT BLACK MAX SHOCK (Inc w/ G350PB, G350RPB, & G35B)	2
JL24LLFD-L	LOWER FRONT DRV LINK	1	M9387	FRONT M95 MONOTUBE SHOCK (Inc w/ G350PM, G350RPM, & G35M)	2
			B8396	REAR BLACK MAX SHOCK (Inc w/ G350PB, G350RPB, & G35B)	2
			M9396	REAR M95 MONOTUBE SHOCK (Inc w/ G350PM, G350RPM, & G35M)	2

Hardware Box Breakdown:

Part # H-BOX G351

Item #	Description	Qty	Item #	Description	Qty
JTG20RBS-S	REAR BUMP STOP BRACKET	2	HB-JLFTBB	HDWR BAG: FRT TRACK BAR	1
SBE4048-L	FRONT SWAY BAR END LINK	2	HB-JTGRBS	HDWR BAG: REAR BUMP STOPS	1
SBE506-L	REAR SWAY BAR END LINK	2	HB-JTGSBER	HDWR BAG: REAR END LINKS	1
HB-ABSS2535	HDWR BAG: FRT BUMP STOPS	1	HB-SBENB03	HDWR BAG: FRONT END LINKS	1
HB-JL24LLF	HDWR BAG: FRT LOWER LINKS	1	I-G350	INST SHEET: G350 / G351 KITS	1

Hardware Bag Breakdown:

Part # HB-ABSS2535

Item #	Description	Qty	Item #	Description	Qty
ABSS2535	FRONT BUMP STOP SPACER	2	38SAEW	3/8 SAE WASHER	2
38X412BHB	3/8 X 4 1/2 BUTTON HEAD BOLT	2	38CTN	3/8 COARSE THRD N/I LOCK NUT	2

Part # HB-JL24LLF

Item #	Description	Qty	Item #	Description	Qty
14X1FTB	1/4 X 1 FINE THREAD BOLT	2	14FTN	1/4 FINE THREAD N/I LOCK NUT	2
14SAEW	1/4 SAE WASHER	4			

Part # HB-JLFTBB

Item #	Description	Qty
JLFTBB	ROD END BUSHING / .563 ID	2

Part # HB-JTGRBS

Item #	Description	Qty
516X1FTB	5/16 X 1 FINE THREAD BOLT	4
516SAEW	5/16 SAE WASHER	4

Item #	Description	Qty
516FTN	5/16 FINE THRD N/I LOCK NUT	4

Part # HB-JGTSBER

Item #	Description	Qty
HG58125-K	BLACK HOURGLASS BUSHING	4
403712	CRUSH SLEEVE / 1.25 LONG	4
12X65MMB	12MM X 65 METRIC BOLT	2

Item #	Description	Qty
716USSW	7/16 USS FLAT WASHER	6
12MMN	12MM METRIC N/I LOCK NUT	2

Part # HB-SBENB03

Item #	Description	Qty
141509	CRUSH SLEEVE / 1.50 LONG	4
12X70MMB	12MM X 70MM METRIC BOLT	2

Item #	Description	Qty
716USSW	7/16 USS FLAT WASHER	4
12MMN	12MM METRIC N/I LOCK NUT	2

Front Installation:

1. With the vehicle on flat level ground, set the emergency brake, & block the rear tires / wheels.
2. Raise the front of the vehicle, support the frame rails, & front differential using jack stands.
3. Remove the front tires / wheels using a 22mm socket. (See Photo # 1)
4. Remove the OEM front skid plate using a 13mm socket / wrench. (See Photo # 2)
5. Remove the OEM front sway bar end links using a 6mm hex key socket / wrench & 18mm socket / wrench. (See Photo # 3)
6. Remove the OEM front track bar using a 21mm socket / wrench. (See Photo # 4)
7. Disconnect the OEM drag link from the OEM pitman arm using a 21mm socket / wrench. (See Photo # 5)



Photo # 1



Photo # 2



Photo # 4



Photo # 5



Photo # 3

8. Remove the OEM front shocks using a 18mm socket / wrench. (See Photo # 6)
9. Disconnect the OEM front brake line brackets from the OEM front lower control arms using a 15mm socket / wrench. (See Photo # 7)
10. Mark the location of the OEM front driveshaft / flange at the front differential & disconnect using a 15mm socket / wrench. (See Photo # 8)
11. Disconnect the wiring harness from the passenger side OEM front upper control arm using pliers.
12. Disconnect the wiring harness from the OEM 4WD actuator. (See Photo # 9)
13. Disconnect the OEM vent hose from the front differential using pliers.
14. While checking for appropriate slack in ABS lines, brake lines, differential vent hose, & etc. Lower the front differential & remove the OEM front coil springs.
15. Install the new Skyjacker front coil springs & new Skyjacker front bump stop spacers to the OEM front bump stop pads using the supplied 3/8" x 4 1/2" button head bolts, 3/8" washers, 3/8" nuts, a 7/32" hex key socket / wrench, & 9/16" socket / wrench. (See Photo # 10) **Note:** Be sure when installing the new front coil springs that the tab of each OEM front upper coil spring isolator aligns with the hole of each OEM front upper coil spring mount.
16. Raise the front differential in order to load the new Skyjacker front coil springs. **Note:** There has been occasional reports of the passenger side coil spring having an inward bow after installation on taller lifts. If so, the OEM upper coil spring isolator can be rotated 180 degrees. Mark the OEM position of the passenger side OEM upper coil spring isolator. Remove the two alignment pins on top of the passenger side OEM upper coil spring isolator using diagonal cutting pliers or similar tool. Rotate the passenger side OEM upper coil spring isolator so the thicker portion is on the inside toward the frame. (See Photo # 11)

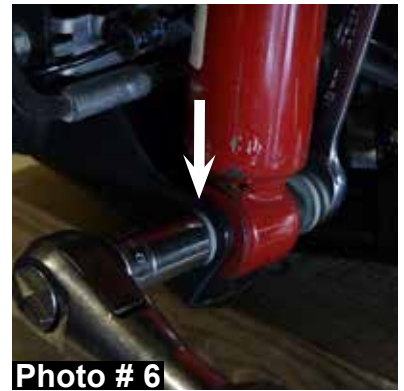


Photo # 6



Photo # 7



Photo # 8

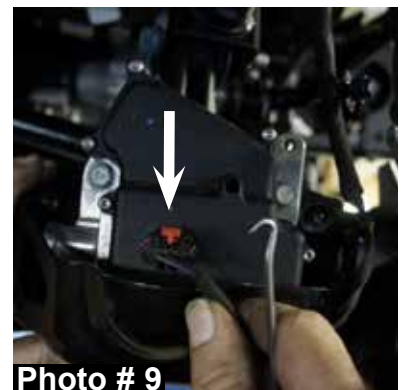


Photo # 9



Photo # 10



Photo # 11

17. Connect the OEM front driveshaft using the OEM hardware & a 15mm socket / wrench. (See Photo # 8)
18. Connect the OEM drag link to the OEM pitman arm using the OEM hardware & a 21mm socket / wrench. (See Photo # 5)
19. Connect the OEM vent hose to the front differential using pliers.
20. Connect the wiring harness to the OEM 4WD acuator. (See Photo # 9)
21. Connect the wiring harness to the passenger side OEM front upper control arm.
22. One at a time, remove the OEM front lower control arms & install the new Skyjacker front lower control arms using the OEM hardware, a 21mm socket / wrench, & 24mm socket / wrench. **Note:** Install the new front lower control arms with the offset bend toward the inside of the vehicle.
23. Connect the OEM front brake line brackets to the new Skyjacker front lower control arms using the supplied 1/4" x 1" bolts, 1/4" washers, 1/4" nuts, & a 7/16" socket / wrench. (See Photo # 12)
24. Install the new Skyjacker front shocks using the supplied polyurethane bushings, steel sleeves, OEM hardware & a 18mm socket / wrench. **Note:** The new front shocks use the larger inside diameter polyurethane bushings / longer steel sleeves for the front upper shock mounts & the smaller inside diameter polyurethane bushings / shorter steel sleeves for the front lower shock mounts. (See Photo # 13)
25. Install the new Skyjacker front sway bar end links using the supplied steel sleeves, 12mm x 70mm bolts, 7/16" USS washers, 12mm nuts, OEM hardware, a 18mm socket / wrench, & 19mm socket / wrench. (See Photo # 14) **Note:** On the driver side of the vehicle, install the OEM lower bolt with the large washer to the bushing side of the new front sway bar end link.
26. Install the OEM front skid plate using the OEM hardware & a 13mm socket / wrench. (See Photo # 2)
27. Install the front tires / wheels using a 22mm socket & lower the front of the vehicle to the ground. (See Photo # 1)
28. Install the fixed end of the new Skyjacker adjustable front track bar to the frame using the OEM hardware & a 21mm socket / wrench. (See Photo # 15) **Note:** Do not tighten at this time.



Photo # 12



Photo # 13



Photo # 14



Photo # 15

29. Using a measuring tape, check the front of the vehicle to make sure the body is centered over the front tires / wheels & adjust the new Skyjacker rod end to align with the lower track bar mounting location.
30. Install the adjustable end of the new Skyjacker adjustable front track bar to the front differential using the supplied rod end bushings, OEM hardware, & a 21mm socket / wrench. (See Photo # 16) **Note:** Fully tighten the OEM hardware at this time.
31. Tighten the supplied jam nut of the new Skyjacker adjustable front track bar using a 1 1/8" wrench.

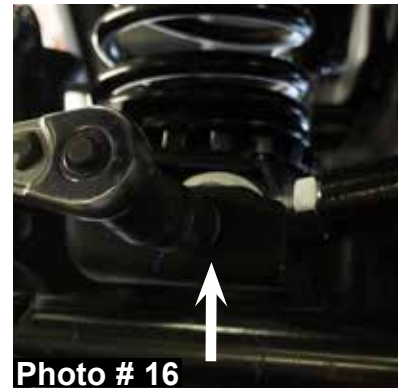


Photo # 16

Rear Installation:

1. Block the front tires / wheels, raise the rear of the vehicle, support the frame rails, & rear differential using jack stands.
2. Remove the rear tires / wheels using a 22mm socket. (See Photo # 17)
3. Remove the OEM rear sway bar end links using a 6mm hex key socket / wrench & 18mm socket / wrench. (See Photo # 18)
4. Disconnect the OEM rear track bar from the rear differential using a 21mm socket / wrench. (See Photo # 19)
5. Remove the OEM rear shocks using a 21mm socket / wrench. (See Photo # 20)
6. While checking for appropriate slack in ABS lines, brake lines, differential vent hose, & etc. Lower the rear differential & remove the OEM rear coil springs.
7. Install the new Skyjacker rear bump stop spacers to the OEM rear bump stop pads using the supplied 5/16" x 1" bolts, 5/16" washers, 5/16" nuts, & 1/2" wrenches. (See Photo # 21) **Note:** Install the new rear bump stop spacers with the forward angle toward the front of the vehicle.



Photo # 17



Photo # 18

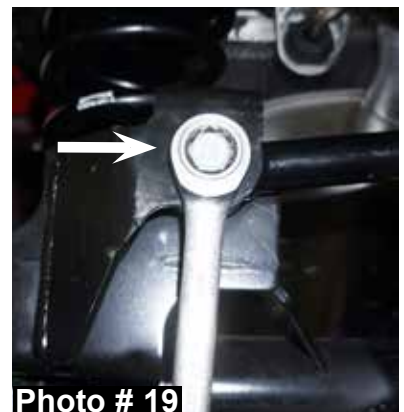


Photo # 19



Photo # 20



Photo # 21

8. **G350 Kits:** Install the new Skyjacker rear coil spring spacers to the OEM rear coil spring mounts using the supplied 1/4" x 3/4" bolts & a 7/16" wrench. (See Photo # 22)
9. **G350 Kits:** Install the OEM rear coil spring isolators & OEM rear coil springs. **Note:** Be sure when installing the OEM rear coil spring isolators that the tab of each OEM rear upper coil spring isolator aligns with the hole of each new Skyjacker rear coil spring spacer.
10. **G351 Kits:** Install the new Skyjacker 2-Stage Variable Rate rear coil springs. **Note:** The new rear coil springs are side specific. The shorter new rear coil spring will be installed on the driver side of the vehicle & the longer new rear coil spring will be installed on the passenger side of the vehicle. See the list below for specific new rear coil spring part # & location information. Also, be sure when installing the new rear coil springs that the tab of each OEM rear upper coil spring isolator aligns with the hole of each OEM rear upper coil spring mount.

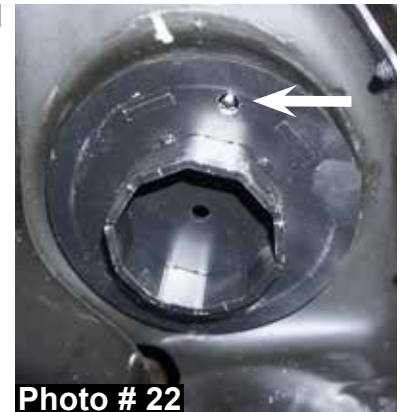


Photo # 22

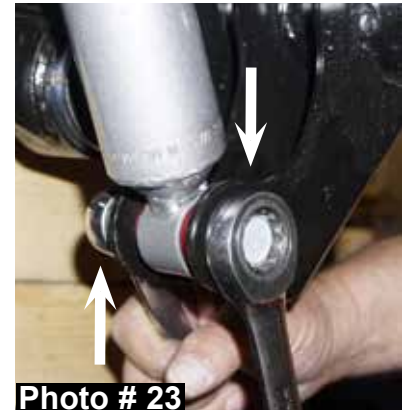


Photo # 23

Skyjacker 2-Stage Variable Rate Rear Coil Spring Locations:

Non-Rubicon Models:

Driver Side Rear Part #: G215RS-DR (Shorter Rear Coil Spring)

Passenger Side Rear Part #: G220RS-DR (Longer Rear Coil Spring)

Rubicon Models:

Driver Side Rear Part #: G220RS-DR (Shorter Rear Coil Spring)

Passenger Side Rear Part #: G225RS-DR (Longer Rear Coil Spring)

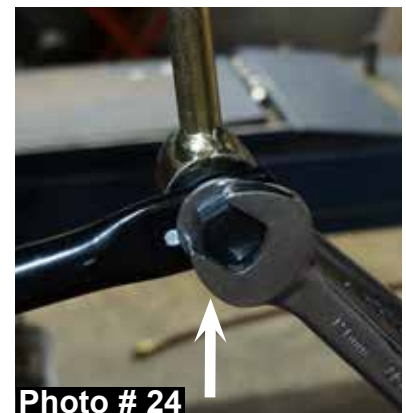


Photo # 24

11. Raise the rear differential in order to load the new Skyjacker rear coil springs & install the new Skyjacker rear shocks using the supplied polyurethane bushings, steel sleeves, OEM hardware & a 21mm socket / wrench. (See Photo # 23) **Note:** The new Skyjacker rear shocks must be mounted with the "body end" at the rear differential & the "rod end" at the frame.
12. Install the new Skyjacker rear sway bar end links using the supplied polyurethane bushings, steel sleeves, 12mm x 65mm bolts, 7/16" USS washers, 12mm nuts, OEM upper hardware, a 18mm socket / wrench, & 19mm socket / wrench. (See Photo # 24)
13. Install the rear tires / wheels using a 22mm socket & lower the rear of the vehicle to the ground. (See Photo # 17)
14. Connect the OEM rear track bar to the rear differential using the OEM hardware & a 21mm socket / wrench. (See Photo # 19)

Final Notes:

- After the installation is complete, double check that all nuts & bolts are tight. Refer to the following chart 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 align the vehicle to the OEM specifications.
- After the first 100 miles, check all hardware for the proper torque & periodically thereafter.

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 FTLB	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.

Seat Belts Save Lives, Please Wear Your Seat Belt.

Optional HD OEM Replacement Steering Stabilizers Available:

- 7008 HD OEM Replacement Steering Stabilizer - White Steering Damper
- 8008 HD OEM Replacement Steering Stabilizer - Black Steering Damper
- 9008 HD OEM Replacement Steering Stabilizer - Silver Steering Damper

Optional Dual Steering Stabilizer Kits Available:

- 7208 Dual Steering Stabilizer Kit - White Steering Dampers
- 8208 Dual Steering Stabilizer Kit - Black Steering Dampers
- 9208 Dual Steering Stabilizer Kit - Silver Steering Dampers

Optional Front / Rear Adjustable Track Bars Available:

- JLFTBA18 Front Adjustable Track Bar / 1"- 4.5" Lift
- JTGRTBA20 Rear Adjustable Track Bar / 1"- 4.5" Lift

Optional HD Front / Rear Upper & Lower Control Arms Available:

JL24LLF HD Front Lower Control Arms - Set / 1"- 4.5" Lift
GULR24 HD Rear Upper Control Arms - Set / 1"- 4.5" Lift
JLL24F-SX Single Flex Front Lower Control Arms - Pair / 1"- 6" Lift
GLL24R-SX Single Flex Rear Lower Control Arms - Pair / 1"- 6" Lift
JLULF26-SX Single Flex Front Upper Control Arms - Pair / 1"- 6" Lift
GULR24-SX Single Flex Rear Upper Control Arms - Pair / 1"- 6" Lift

Optional Accessories:

JLOSM Front Outboard Shock Mounting Brackets
SBE4238 Front Double Disconnect Sway bar End Links / 2"- 3" Lift
SBE4258 Front Double Disconnect Sway bar End Links / 3.5"- 6" Lift



**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.

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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 justificado, 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

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