



Jeep Gladiator JT 2.5" Metal Spacer Suspension Lift Installation Instructions

Required Tools List:

- Safety Glasses
- Metric & SAE Sockets \ Wrenches
- Metric & SAE Hex Key Sockets \ Wrenches
- 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.

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 #: G25MSFB / G250MSB / G250MMSB

Item #	Description	Qty	Item #	Description	Qty
JL25FMS-S	FRONT METAL COIL SPACER	2	JTG10RMS-S	REAR METAL COIL SPACER (Included With G250MSB & G250MMSB)	2
JL25SEF-S	FRONT SHOCK EXTENSION BRKT (Included With G25MSFB & G250MSB)	2	JTG25FSE-S	FRONT SHOCK EXTENSION BRKT (Included With G250MMSB)	2
HB-G250MSB	HDWR BAG: G25MS / G250MSB (Included With G25MSFB & G250MSB)	1	HB-G250MMSB	HDWR BAG: G250MMSB (Included With G250MMSB)	1
SBE4028-L	FRONT SWAY BAR END LINK	2	I-G25MS	INST SHEET: G25M / G250M	
HB-SBENB03	HDWR BAG: SBE4028	1			

Hardware Bags Breakdown:

Part # HB-G250MSB (Included With G25MSFB & G250MSB)

Item #	Description	Qty	Item #	Description	Qty
BSS3020-S	BUMP STOP SPACER	2	38SAEW	3/8 SAE WASHER	6
411481	CRUSH SLEEVE / 1.62 LONG	2	38CTN	3/8 COARSE THRD N/I LOCK NUT	2
516X1CTB	5/16 X 1 COARSE THREAD BOLT	2	38FTN	3/8 FINE THREAD N/I LOCK NUT	2
516LW	5/16 LOCK WASHER	2	12X312FTB	1/2 X 3-1/2 FINE THREAD BOLT	2
516CTSN	5/16 COARSE THREAD STD NUT	2	12SAEW	1/2 SAE WASHER	4
38X1FTB	3/8 X 1 FINE THREAD BOLT	2	12FTN	1/2 FINE THREAD N/I LOCK NUT	2
38X234BHB	3/8 X 2-3/4 BUTTON HEAD BOLT	2			

Part # HB-G250MMSB (Included With G250MMSB)

Item #	Description	Qty	Item #	Description	Qty
BSS3020-S	BUMP STOP SPACER	2	38SAEW	3/8 SAE WASHER	6
CS1556	CRUSH SLEEVE / 1.556 LONG	2	38CTN	3/8 COARSE THRD N/I LOCK NUT	2
516X1CTB	5/16 X 1 COARSE THREAD BOLT	2	38FTN	3/8 FINE THREAD N/I LOCK NUT	2
516LW	5/16 LOCK WASHER	2	14X90MMB	14MM X 90MM METRIC BOLT	2
516CTSN	5/16 COARSE THREAD STD NUT	2	916SAEW	9/16 SAE WASHER	4
38X1FTB	3/8 X 1 FINE THREAD BOLT	2	14MMN	14MM METRIC N/I LOCK NUT	2
38X234BHB	3/8 X 2-3/4 BUTTON HEAD BOLT	2			

Part # HB-SBENB03

Item #	Description	Qty	Item #	Description	Qty
141509	CRUSH SLEEVE / 1.50 LONG	4	716USSW	7/16 USS FLAT WASHER	4
12X70MMB	12MM X 70MM METRIC BOLT	2	12MMN	12MM METRIC N/I LOCK NUT	2

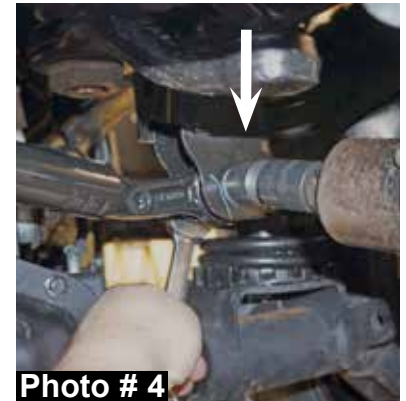
Front Installation:

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)



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. Disconnect the OEM front track bar from the frame 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)
8. Disconnect the OEM front shocks from the front differential using a 21mm 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 acuator. (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 & OEM front coil spring isolators.

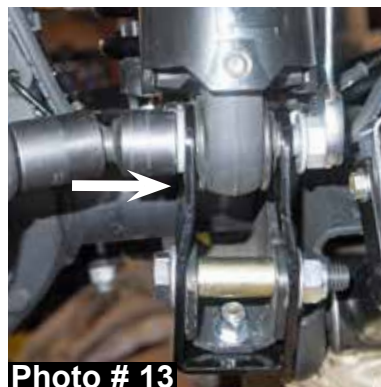
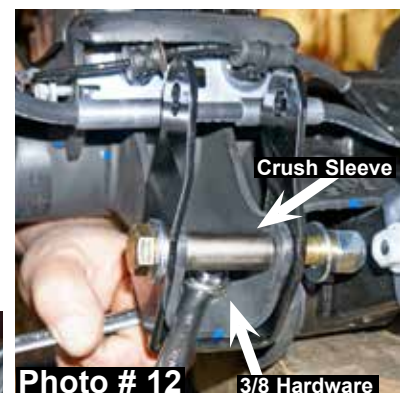
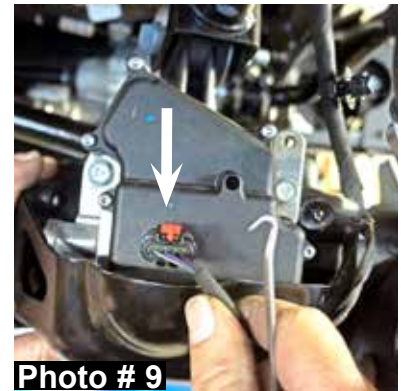
15. Install the new Skyjacker front coil spring spacers with the OEM front coil spring isolators under the new front coil spring spacers using the supplied 5/16" x 1" coarse thread bolts, 5/16" lock washers, 5/16" coarse thread nuts & a 1/2" socket \wrench. (See Photo # 10) **Note:** Be sure when installing the OEM front coil spring isolators that the tab of each OEM front upper coil spring isolator aligns with the hole of each new front coil spring spacer.

16. Install the OEM front coil springs & new Skyjacker front bump stop spacers to the OEM front bump stop pads using the supplied 3/8" x 2-3/4" button head coarse thread bolts, 3/8" SAE washers, 3/8" coarse thread nuts, a 7/32" hex key socket \wrench & 9/16" socket \wrench. (See Photo # 11)

17. **G25MSFB & G250MSB Kits:** Install the # JL25SEF-S Skyjacker front lower shock extension brackets to the OEM front lower shock mounts with the upper mounting holes offset towards the front of the vehicle using the supplied 3/8" x 1" fine thread bolts, 3/8" SAE washers, 3/8" fine thread nuts, crush sleeves, 1/2" x 3-1/2" fine thread bolts, 1/2" SAE washers, 1/2" fine thread nuts, a 9/16" socket \wrench & 3/4" socket \wrench. (See Photo # 12)

18. **G250MMSB Kit:** Install the # JTG25FSE-S Skyjacker front lower shock extension brackets to the OEM front lower shock mounts with the upper mounting holes offset towards the front of the vehicle using the supplied 3/8" x 1" fine thread bolts, 3/8" SAE washers, 3/8" fine thread nuts, crush sleeves, 14mm x 90mm metric bolts, 9/16" SAE washers, 14mm nuts, a 9/16" socket \wrench & 22mm socket \wrench. (See Photo # 12)

19. Connect the OEM front shocks to the new Skyjacker front lower shock extension brackets using the OEM hardware & a 21mm socket \wrench. (See Photo # 13)



20. 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.



21. Connect the OEM front driveshaft using the OEM hardware & a 15mm socket \ wrench. (See Photo # 8)

22. Connect the OEM drag link to the OEM pitman arm using the OEM hardware & a 21mm socket \ wrench. (See Photo # 5)

23. Connect the OEM vent hose to the front differential using pliers.

24. Connect the wiring harness to the OEM 4WD actuator. (See Photo # 9)

25. Connect the wiring harness to the passenger side OEM front upper control arm.

26. Connect the OEM front brake line brackets to the OEM front lower control arms using the OEM hardware & a 15mm socket \ wrench. (See Photo # 7)

27. Install the OEM front skid plate using the OEM hardware & a 13mm socket \ wrench. (See Photo # 2)

28. Install the front tires \ wheels using a 22mm socket & lower the front of the vehicle to the ground. (See Photo # 1)

29. Connect the OEM front track bar to the frame using the OEM hardware & a 21mm socket \ wrench. (See Photo # 4) **Note:** Slightly turning the steering wheel will help align the OEM front track bar with the frame mount.

G250MSB & G250MMSB KITS:

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.

3. Disconnect the OEM rear sway bar end links from the OEM sway bar using a 6mm hex key socket \ wrench & 18mm socket \ wrench. (See Photo # 15)



4. Disconnect the OEM rear track bar from the rear differential using a 21mm socket \ wrench. (See Photo # 16)



5. Disconnect the OEM rear shocks from the rear differential using a 21mm socket \ wrench. (See Photo # 17)
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 & OEM rear coil spring isolators.
7. Install the new Skyjacker rear coil spring spacers to the OEM rear coil spring mounts using the supplied 1/4" x 3/4" bolts that are threaded into each new Skyjacker rear coil spring spacer & a 7/16" wrench. (See Photo # 18)
8. 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.
9. Connect the OEM rear shocks to the rear differential using the OEM hardware & a 21mm socket \ wrench. (See Photo # 17)
10. Connect the OEM rear sway bar end links to the OEM sway bar using the OEM hardware & a 6mm hex key socket \ wrench & 18mm socket \ wrench. (See Photo # 15)
11. Install the rear tires \ wheels using a 22mm socket & lower the rear of the vehicle to the ground.
12. Connect the OEM rear track bar to the rear differential using the OEM hardware & a 21mm socket \ wrench. (See Photo # 16)



Photo # 17



Photo # 18

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.

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. (**Note:** 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.

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:

- SBE4238 Front Double Disconnect Sway Bar End Links / 2"- 3" Lift