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# 2019 - 2021 Ram 1500 4WD 3" Suspension Lift Installation Instructions

### REQUIRED TOOL LIST:

- Safety Glasses
- Metric / Standard Wrenches & Sockets
- Fastener Removal Tool
- Grease Gun
- Floor Jack
- Jack Stands
- Measuring Tape
- Strut Spring Compressor
- Torque Wrench



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 or hardware 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 & 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:

- This suspension lift is "**not**" designed to fit the following models:
  - 1> 2019 Classic Models (2018 Body Style)
  - 2> TRX Models
  - 3> Models with Air Ride Suspension
- This suspension lift was developed using 275/70R18 tires with OEM 18" x 8" wheels. If wider tires are used, offset wheels will be required.

- If larger tires (10% more than the OEM diameter) are installed, speedometer recalibration will be necessary. Contact your local Ram 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 #: R1930PB / R1930PH / R1930PM / R1930PN**

Item #	Description	Qty	Item #	Description	Qty
R1930UCA-L	RAM 1500 DRV UPPER A-ARM	1	H7093	HYDRO SHOCK W/RED BOOT	2
R1930UCA-R	RAM 1500 PASS UPPER A-ARM	1		<b>(Included With R1930PH)</b>	
R1920RBS-S	RAM 1500 REAR BUMP STOP SPACER	2	M9593	MONOTUBE SHOCK	2
JTG20RMS-S	RAM 1500 REAR COIL SPACER	2		<b>(Included With R1930PM)</b>	
H-BOX R1930P	HDWR BOX: R1930P	1	N8093	NITRO SHOCK W/RED BOOT	2
B8593	BLACK MAX SHOCK W/BLACK BOOT	2		<b>(Included With R1930PN)</b>	
	<b>(Included With R1930PB)</b>				

### **Hardware Box Breakdown:**

#### **Part # H-BOX R1930P**

Item #	Description	Qty	Item #	Description	Qty
R1930MS-1	RAM 1500 FRT UPPER SPACER	2	HB-R1920RBS	HDWR BAG: REAR BUMP STP	1
R620MS-2	RAM 1500 FRT LOWER SPACER	2	I-R1930P	INST SHEET: R1930P	1
HB-10MM/NFN	HDWR BAG: 10MM FLG NUTS	1			

### **Hardware Bag Breakdown:**

#### **Part # HB-10MM/NFN**

Item #	Description	Qty
10MMX1.5NFN	10MM X 1.5 NYL FLANGE NUT	6

#### **Part # HB-R1920RBS**

Item #	Description	Qty	Item #	Description	Qty
516X1FTB	5/16 X 1 FINE THREAD BOLT	2	38X1FTB	3/8 X 1 FINE THREAD BOLT	2
516SAEW	5/16 SAE WASHER	4	38SAEW	3/8 SAE WASHER	4
516FTN	5/16 FINE THREAD NYL NUT	2	38FTN	3/8 FINE THREAD NYL 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 of the vehicle securely using jack stands.
3. Remove the front tires / wheels using a 22mm socket. (See Photo # 1)
4. Disconnect the OEM outer tie rod ends from the OEM steering knuckles using a 21mm socket / wrench. (See Photo # 2) **Note:** It may be necessary to strike the OEM steering knuckles to dislodge the OEM tie rod ends. Be careful not to damage the OEM tie rod ends.
5. Disconnect the OEM ABS lines from the OEM upper A-arms using a fastener removal tool.
6. Disconnect the OEM brake lines from the frame using a 13mm socket / wrench.
7. Disconnect the OEM sway bar end links from the OEM lower A-arm using a 18mm socket. (See Photo # 3)
8. While supporting the OEM steering knuckles, disconnect the OEM upper A-arms from the OEM steering knuckles using a 21mm socket / wrench. (See Photo # 4) **Note:** It may be necessary to strike the OEM steering knuckles to dislodge the OEM ball joints. Be careful not to damage the OEM ball joints.
9. Remove the OEM strut assemblies using a 16mm wrench, 21mm socket / wrench, & 24mm socket / wrench. (See Photos # 5 & # 6)



10. Remove the OEM upper A-arms using a 18mm socket / wrench.  
(See Photo # 7)

11. For upper strut mount alignment purposes, mark the location of each OEM upper strut mount & OEM coil spring prior to disassembly. Using a strut spring compressor, compress the coil spring of each OEM strut assembly. Remove each upper strut retaining nut & upper strut mount using a 18mm socket.

12. Install the new Skyjacker lower strut spacers on top of each OEM coil spring isolator pad with the upper cut outs of the new lower strut spacers facing up & aligned with the OEM upper strut mount studs.  
(See Photo # 8)

13. Install the OEM upper strut mounts 180 degrees from the previous marks made in Step # 11 using a 18mm socket & uncompress the OEM coil spring of each OEM strut assembly.

14. Install the new Skyjacker upper strut spacers on top of each OEM strut assembly using the OEM hardware & a 16mm socket. (See Photo # 9)

15. Install the new Skyjacker spacer / OEM strut assemblies using the supplied 10mm flange nuts, OEM lower hardware, a 15mm wrench, 21mm socket / wrench, & 24mm socket / wrench. (See Photos # 5 & # 6)

16. Install the new Skyjacker upper A-arms using the OEM hardware & a 18mm socket / wrench. Do not fully tighten at this time. (See Photo # 10)

17. While supporting the OEM steering knuckles, connect the new Skyjacker upper A-arms to the OEM steering knuckles & fully tighten all upper A-arm & ball joint hardware using the supplied cotter pins, washers, nuts, OEM hardware, a 18mm socket / wrench, & 22mm socket / wrench. (See Photos# 10 & # 11)

18. Grease the new Skyjacker upper A-arm ball joints using a grease gun.

19. Connect the OEM sway bar end links to the OEM lower A-arms using the OEM hardware & a 18mm socket. (See Photo # 3)

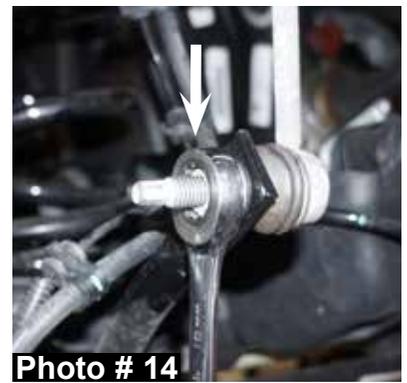
20. Connect the OEM brake lines to the frame using the OEM hardware & a 13mm socket / wrench.



21. Connect the OEM ABS lines to the new Skyjacker upper A-arms. (See Photo # 12)
22. Connect the OEM outer tie rod ends to the OEM steering knuckles using a 21mm socket / wrench. (See Photo # 2)
23. Install the front tires / wheels using a 22mm socket & lower the front of the vehicle to the ground. (See Photo # 1)

## **Rear Installation:**

1. Block the front tires / wheels, raise the rear of the vehicle, & support the frame of the vehicle securely using jack stands.
2. Remove the rear tires / wheels using a 22mm socket.
3. Remove the forward facing OEM rear inner fender liners using a 8mm socket / wrench.
4. Support the rear differential & remove the OEM rear shocks using a 9mm socket / wrench, 18mm wrench, & 21mm socket / wrench. (See Photo # 13)
5. Disconnect the OEM rear sway bar end links from the OEM rear sway bar using a 18mm socket / wrench. (See Photo # 14)
6. Disconnect the OEM ABS lines from the frame using a fastener removal tool.
7. Disconnect the OEM rear brake lines from the frame using a 13mm socket / wrench.
8. Disconnect the OEM rear track bar from the rear differential using a 21mm socket / wrench. (See Photo # 15)
9. While checking for appropriate slack in ABS lines, brake lines, differential vent hose, & etc. Lower the rear differential & remove the OEM rear coil springs.
10. Install the new Skyjacker rear bump stop spacers to the OEM rear bump stop pads using the supplied 5/16" x 1" bolts, 3/8" x 1" bolts, washers, nuts, 1/2" wrenches, & 9/16" wrenches. (See Photo # 16)



11. 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 # 17)

12. Remove each OEM inner alignment pin of the OEM coil spring isolators that does not align with the alignment hole of the new Skyjacker rear coil spring spacers. (See Photo # 18)

13. Install the OEM rear coil spring isolators & OEM rear coil springs. (See Photo # 19) **Note:** It may be necessary to loosen the OEM upper & lower rear control arms using a 21mm socket / wrench & 24mm socket / wrench in order to gain enough space for the OEM rear coil springs to be installed.

14. Raise the rear differential in order to load the OEM rear coil springs & connect the OEM rear track bar to the rear differential using a 21mm socket / wrench. (See Photo # 15) **Note:** If the OEM upper & lower rear control arms were loosened in order to gain enough space for the OEM rear coil springs to be installed, tighten using the OEM hardware, a 21mm socket / wrench, & 24mm socket / wrench.

15. Connect the OEM ABS lines to the frame.

16. Connect the OEM rear brake lines to the frame using the OEM hardware & a 13mm socket / wrench.

17. Connect the OEM rear sway bar end links to the OEM rear sway bar using the OEM hardware & a 18mm socket / wrench. (See Photo # 14)

18. Install the new Skyjacker rear shocks using the supplied shock hardware, OEM hardware, a 8mm wrench / socket, 19mm wrench, & 21mm socket / wrench. (See Photo # 13)

19. Install the forward facing OEM rear inner fender liners using the OEM hardware & a 8mm socket / wrench.

20. Install the rear tires / wheels using a 22mm socket & lower the rear of 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 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 vehicle to the OEM specifications.
- After the first 100 miles, check all hardware for the proper torque & periodically thereafter.

<b><u>TORQUE SPECIFICATIONS</u></b>					
<b><u>INCH SYSTEM</u></b>			<b><u>METRIC SYSTEM</u></b>		
<b>Bolt Size</b>	<b>Grade 5</b>	<b>Grade 8</b>	<b>Bolt Size</b>	<b>Class 8.8</b>	<b>Class 10.9</b>
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.**



**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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