

READYLIFT®

SUSPENSION INC.

ReadyLift® (Part# 69-6000)

Installation Instructions

Jeep Wrangler JK 2 Door/4 Door

Please read instructions thoroughly and completely before beginning installation.

Check www.Readylift.com for any updated installation instruction.

Installation by a trained mechanic is recommended.

SAFETY WARNING: ReadyLift Suspension Inc. recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

PRODUCT SAFETY WARNING: Modifying your vehicle ride height may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. ReadyLift Suspension Inc. does not recommend the combined use of suspension lifts, body lifts, or other lifting devices. You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

Pre-Installation Notes

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of ReadyLift Suspension Inc. components. **Always wear safety glasses** when using power tools.
6. If installation is to be performed without a hoist, ReadyLift aSuspension Inc. recommends rear alterations first.
7. 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 attitude. Always measure the attitude prior to beginning installation.

POST-INSTALLATION WARNINGS

1. 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 gear for clearance. Test and inspect brake system.
2. 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. Longer replacement hoses, if needed can be purchased from a local parts supplier.
3. Headlight adjustment is highly recommended.
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

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Bill of Materials

<u>Description</u>	<u>QTY</u>
3" Tall Coil Spacer - Front	2
Shock Extension - Front	2
2.5" Tall Axle Mount Bump Stop Extension - Black	2
Lower Control Arm Alignment Cams (pair)	1
Hardware Bag - Front	1
M12-1.75 35mm Hex Head Bolt 10.9 YZ	2
M12-1.75 Flange Nut	2
M12-1.75 75mm Hex Head Bolt 10.9 YZ	2
M12-1.75 Flat Washer	4
M12-1.75 Nyloc Nut	2
M8-1.25 20mm Hex Head Bolt YZ	2
M8 Flat Washer	4
M8-1.25 Nyloc Nut	2
3/8"-16 2" Hex Washer	2
2" Tall Coil Spacer - Rear	2
2.5" Diameter Rear Coil Spacer Mounting Nut	2
Frame Mounted Track Bar Bracket - Rear	1
2" Tall Upper Shock Extension - Rear	2
Brake Line Drop Bracket - Rear	1
2" Tall Bump stop Extension - Rear	2
Hardware Bag - Rear	1
M12-1.75 70mm Hex Head Bolt 10.9 YZ	2
M12 Lock Washer	2
M14-2.0 75mm Hex Head Bolt 10.9 YZ	1
M14 Flat Washer	2
M14-2.0 Nyloc Nut	1
Steel Crush Sleeve 1" OD 5/8" ID	1
M12-1.75 30mm Hex Head Bolt 10.9 YZ	1
M12 Flat Washer	2
M12-1.75 Nyloc Nut	1
M10-1.50 70mm Hex Head Bolt 10.9 YZ	4
M10 Flat Washer	4
M6-1.0 20mm Hex Head Bolt 10.9 YZ	2
M6 Flat Washer	4
M6-1.0 Nyloc Nut	2
M8-1.25 20mm Hex Head Bolt 10.9 YZ	4
M8 Flat Washer	4
M8 Serrated Flange Nut	4

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Position truck on a flat surface and lift vehicle by the frame so that the front wheels are off the ground. Use a minimum 3 ton jack stands and place under frame for safety or a (2) two post lift if available. Make sure that the emergency brake is on and the rear wheels are blocked to prevent a rollout.

1.



Remove both driver and passenger front wheels.

2.



Remove 10mm brake line support bolt from driver and passenger side.

3.



Use a jack to support the front axle. This will also allow you to raise and lower the axle as needed.

4.



Remove driver and passenger 18mm lower sway bar end link bolts.

5.



Remove the 21mm lower trac bar bolt.

6.



Remove the driver and passenger 18mm lower shock nut and bolt.

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7.



8. Remove the driver side transfer case skid plate bolt. Loosen, the remaining two bolts.

8.



Lower the axle, remove the front coils and rubber isolators.

9.



Position the bump stop spacer on the center of the coil spring mount and mark with a center punch.

10.



Drill a 5/16 hole into the spring mount. Pre-tap the hole using the supplied 3/8" self tapping bolt from the front bump stop kit.

11.



Unbolt the front lower link arm from the differential. Using a small flat chisel and hammer, remove the alignment plates from the factory mount.

12.



Install the supplied alignment cams and attach the link arms back into the factory mounts. Rotate the cams so that the large part of the lobe is to the front of the axle. Tighten to 95 ft-lb.

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13.



Install the 3" coil spacer using the M12-1.75 35mm long hex bolt, M12 washer, M12 nut. Tighten to 87 ft-lb.

14.



Re-install the factory rubber coil isolator onto the spacer then install the coil and bump stop spacer at the same time. Tighten the bump stop spacer bolt. DO NOT OVERTIGHTEN.

15.



Install the shock extension bracket using the factory mounting hardware, tighten to 87 ft-lb. Install the M8 bolt, washers, and nut. Tighten to 17 ft-lb.

16.



Raise the axle and install the factory shock to the shock bracket using the M12 x 75mm bolt, washers, and nut provided. Tighten to 87 ft-lb.

Raise the axle and re-install the sway bar end links. Tighten to 87 ft-lbs. Re-install the trac bar, you may need to use a come-along to line up the mounting holes. Bolt the transfer-case skid plate back up. Tighten to 87 ft-lb. Re-check all fasteners for tightness. Install the front wheels. Tighten the lug nuts to factory specs.

17.

18.



Use a jack to support the rear axle. This will allow you to raise and lower the axle as needed. Remove the rear wheels.

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19.



Unbolt and remove the upper and lower trac bar bolts with a 21mm and remove the trac bar.

20.



Remove the 10mm e-brake line support bracket nuts. Do not discard these nuts.

21.



Remove the rear shocks. The lower mount requires an 18mm wrench and socket. The upper mount uses a 16mm socket.

22.



Unbolt the lower sway bar end links.

23.



Unbolt the upper brake line support at the frame rail.

24.



Unclip the ABS line at the axle. This will give a little slack when lowering the axle.

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25.



Lower the axle and remove the rear springs.

26.



Install the e-brake line drop bracket. Using the factory nuts to attach the bracket and the M8 bolts, washers, and

27.



Install the upper rear trac bar bracket. Insert the crush sleeve and the factory bolt into the factory mounting location. Install the M14x35mm bolt, washers, and nut. Tighten to 100 ft-lb.

28.



Install the threaded washer on top of rear coil bucket.

29.



Insert M12x70mm bolt and flat washer through the rear coil spacer with one hand and hold the threaded washer with the other. Tighten to 85 ft-lb.

30.



Install the coil isolator and rear coils.

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31.



Install rear bump stop extension using the M8x20mm bolt, washer, and flange nut. Tighten to 17 ft-lb.

32.



Install the rear trac bar using the factory hardware at the lower mount and the M14x75mm bolt, washers, and nut provided. Tighten to 100 ft-lb. A come along may be needed.

33.



Re-install the lower sway bar end links using the factory hardware. Tighten to 85 ft-lb.

34.



Install the upper rear shock extension using the M10-1.50x70mm bolts and washers provided.

35.



Install the lower shock using the factory hardware. Tighten to 85 ft-lb.

Re-check all fasteners for tightness. Install the rear wheels and tighten lug nuts to factory specs.

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Wheel Alignment; a Certified Alignment Technician that is experienced with lifted vehicles is recommended to perform the alignment.

*It is recommended that you have your vehicle's alignment checked whenever installing suspension parts.

35x12.50R17 on 17x9 4.5" backspacing



Vehicle Handling Warning

Vehicles with larger wheels and tires will handle differently than stock vehicles. Be sure to adjust your headlights.

Take time to familiarize yourself with the handling of your vehicle.

Installation Warning

Always wear proper safety equipment and use the correct tools when installing any suspension upgrade. Make sure vehicle is on a flat surface and you are using jack stands or a lift rated for the weight of the vehicle.

DRIVE SAFELY & WEAR YOUR SEATBELT.

Warning! This ReadyLift® SST Lift Kit is designed and engineered to lift a stock vehicle with no prior modifications. The use of this kit along with items such as rear lift blocks or spacers, add-a-leafs, airbags, suspension lifts, body lifts or any other type of lifting accessory shall be done at the vehicle owners risk and may void any and all warranties in effect or implied by ReadyLift®.