

## Rusty's JL Wrangler 2" Budget Boost Kit RK-RAM1122-JL INSTALLATION INSTRUCTIONS

Last Revised: 07/20/18

### Introduction:

Rusty's recommends that this installation be performed by a certified automotive technician or a person with professional mechanical knowledge. Installing this kit without this expertise may jeopardize the handling and safety of the vehicle.

Read instructions several times before starting. Be sure you have all the needed parts and know where they install. Read each step completely as you go. Exhaust modifications may be necessary. Prior to drilling or cutting, check behind the surface being worked on for any wires, lines, or hoses that could be damaged. After any drilling or cutting, remove burrs and grind smooth any surfaces. An inclinometer or similar tool may be needed to measure driveshaft angles before and after the installation.

### Warning:

- It is the owners' responsibility to inspect all Rusty's products for proper torque specs to prevent loosening of components.
- Seat belts and shoulder harnesses should be worn at all times.
- Re-check all bolts and nuts after the first 100 miles and after any off-road usage during the first 300 miles.
- Although all of our products are made from the highest quality materials possible, they are not a substitute for Safe and Careful driving. In other words, have good safe on-road / off-road sense. Know the terrain, the speed limitations, and any obstacles that may lie ahead. Please remember to preserve our right to enjoy public land through the proper use of off-road vehicles.

### Before Starting Installation:

1. Carefully Read all warnings and instructions completely before beginning.
2. Verify all parts have been received in this kit by checking the parts list on page#2 of this document.
3. Only install this kit on the vehicle for which it is specified.
4. Park the vehicle on a clean, dry, flat, level surface and block the tires so the vehicle cannot roll in either direction.
5. Be certain the vehicle is safely secured on jack stands or a vehicle lift prior to working around or under a vehicle. Never rely on a jack alone to support a vehicle's weight; use appropriately rated stands to support the vehicle's frame and any other heavy components.

**Parts List:**

**Note:** Please be sure that you have all the provided parts listed below before continuing with the installation.

<b>Part #</b>	<b>DESCRIPTION:</b>	<b>Quantity</b>
RC-RAM111-JL	Rusty's JL 2" Front Poly Coil Spring Spacer (Pair)	1
RC-RAM222-JL	Rusty's JL 2" Rear Poly Coil Spring Spacer (Pair)	1

**Front Installation Instructions**

**Note:** Save all factory components and hardware for reuse, unless noted.

1. Raise the vehicle with a jack and place jack stands under the frame rails behind the front lower control arm mounting points. Chock the rear tires to prevent any accidental movement.
2. Lower the vehicle carefully with the jack to the jack stands.
3. Remove the tires and wheels.
4. Support the front axle with the floor jack.
5. Remove the bolt that attaches the front track bar to the frame mounting point with the use of a 21mm socket and wrench. Retain hardware for reuse.
6. Remove the factory front shocks at the top of the inside of the fender well and at the bottom mounting points. Retain hardware for reuse.
7. Unbolt the sway bar links at the axle mounts with the use of a 18mm socket and wrench. Retain hardware for reuse.
8. Disconnect the brake line brackets on the lower control arms with the use of a 15mm wrench. Retain hardware for reuse.
9. Disconnect the front axle differential actuator from the housing to prevent damaging when lowering the front axle housing.
10. Disconnect the front axle differential vent hose from the differential housing with the use of needle nose pliers.
11. Lower the front axle slowly with the jack used to support the axle until the front coil springs are able to be removed.
12. Remove and discard the factory coil spring isolators.
13. Install the supplied front coil spring spacers in the same manner that the factory ones were removed. Reinstall the front factory coil springs and slowly raise the front axle to seat the coils springs. (**Note:** Use caution when raising the front axle not to lift the vehicle off of the jack stands.



### Front Installation Instructions (Continued)

14. Reconnect the brake line bracket to the frame using the factory hardware.
15. Install the new Rusty's front shocks (if supplied) into their upper mounting positions with the factory hardware. (Torque to 55 ft. lbs.) Reinstall factory shocks at this time if not supplied in the kit.
16. Install the lower end of the shock to the axle using the factory hardware. (Torque to 55 ft. lbs.)
17. Reinstall the factory sway bar links at this time using factory hardware.
18. Install tires and wheels.
19. Jack up the vehicle and remove the jack stands in order to lower the vehicle back to the ground.
20. Unlock the steering wheel and have an assistant rotate the steering wheel in order to align the track bar back to its axle side mounting point.
21. Reinstall the factory bolt track bar bolt removed in step 5.
22. Front Installation is now completed!

### Rear Installation Instructions

23. Raise rear of the vehicle with a jack and place jack stands under the frame rails behind the rear lower control arm mounting points. Chock the rear tires to prevent any accidental movement.
24. Lower the vehicle carefully with the jack to the jack stands.
25. Remove the tires and wheels.
26. Support the rear axle with the floor jack.
27. Remove the bolt that attaches the rear track bar to the frame mounting point with the use of a 21mm socket and wrench. Retain hardware for reuse.
28. Remove the factory rear shocks at the top of the inside of the fender well and at the bottom mounting points. Retain hardware for reuse.
29. Unbolt the rear sway bar links at the axle mounts with the use of a 18mm socket and wrench. Retain hardware for reuse.
30. Lower the rear axle slowly with the jack used to support the axle until the rear coil springs are able to be removed.
31. Remove and discard the factory upper coil spring isolators.
32. Install the supplied rear coil spring spacers in the same manner that the factory ones were removed.
33. Reinstall the rear factory coil springs and slowly raise the rear axle to seat the coils springs. (Note: Use caution when raising the rear axle not to lift the vehicle off of the jack stands.)



### Rear Installation Instructions

34. Install the bushings and sleeves in the new Rusty's rear shocks (if supplied). Install them on the vehicle with the factory hardware. (Torque upper and lower hardware to 55 lb.-ft.) Reinstall factory shocks at this time if not supplied in the kit.
35. Reinstall the factory sway bar links at this time using factory hardware.
36. Reinstall tires and wheels.
37. Jack up the vehicle and remove the jack stands in order to lower the vehicle back to the ground.
38. Reattach the rear track bar by reinstalling the factory hardware removed in step 28.
39. Rear Installation is now completed!

### Final Notes

At this point there should be no parts left but installing the stickers. The vehicle will need to have an alignment as soon as possible, if you don't you may get the "death wobble", poor tire wear or just a bad handling vehicle.

#### Alignment Recommended Specifications

- Toe: Should be set at 0 to 1/32" Toe Out
- Castor: 7 Degrees Positive
- Camber: 0

## WARNING

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For Questions or Suggestions, contact our Tech Department (256-442-0607)