

Rusty's JK Wrangler 2" Budget Kit RK-BB20-JK INSTALLATION INSTRUCTIONS

Last Revised: 5/19/2017

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.

Part #	DESCRIPTION:	Quantity
RC-SP200F-JK	Rusty's JK 2" Front Poly Coil Spring Spacer (Pair)	1
RC-SP200R-JK	Rusty's JK 2" Rear Poly Coil Spring Spacer (Pair)	1
RX-27	Rusty's RX100 Performance Shock: RX-27 (Contents Below)	2
	(Bushing Packs: PO1533 & PO1318)	
RX-26	Rusty's RX100 Performance Shock: RX-26 (Contents Below)	2
	(Bushing Packs: PO1532 & PO1313)	

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 attached the front track bar to the frame mounting point. Retain hardware
6. Remove the factory shocks at the top of the inside the fender well and at the bottom. Retain hardware.
7. Unbolt the sway bar links at the axle mounts. Retain hardware.
8. Disconnect the brake line bracket at the frame. Retain hardware.
9. Lower the front axle with the jack enough so that you may install the supplied front coil spring spacers. (Note: The spacers should be installed on top of the coil springs with the lip of spacer pointing down.)
10. Raise the axle to seat the coil springs against the spacers.
11. Reconnect the brake line bracket to the frame using the factory hardware.
12. Install the new Rusty's front shocks into their upper mounting position with the supplied hardware. (Torque to 17 ft. lbs.) (**Note:** It is a good idea to take a wire brush and clean any excess paint from the threads on the stud to prevent the nut from tightening properly.)
13. Install the lower end of the shock to the axle using the factory hardware. (Torque to 20 ft. lbs.)
14. Reinstall the factory sway bar links at this time using factory hardware.



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

Front Installation Instructions (Continued)

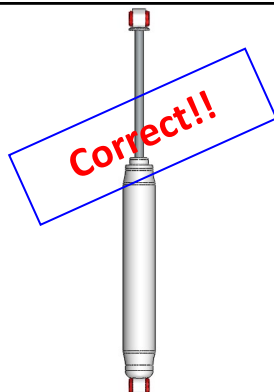
15. Install tires and wheels.
16. Jack up the vehicle and remove the jack stands in order to lower the vehicle back to the ground.
17. Unlock the steering wheel and have an assistant rotate the steering wheel in order to line the track bar back to its axle side mounting point.
18. Reinstall the factory bolt removed in step 5.
19. Front Installation is now completed!

Rear Installation Instructions

20. 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.
21. Lower the vehicle carefully with the jack to the jack stands.
22. Remove the tires and wheels.
23. Support the rear axle with the floor jack.
24. Remove the bolt that attached the rear track bar to the frame mounting point. Retain hardware
25. Remove the factory shocks from the rear of the vehicle. Retain hardware.
26. Unbolt the sway bar links at the axle mounts. Retain hardware.
27. Disconnect the rear brake line bracket at the frame. Retain hardware.
28. Lower the rear axle with the jack enough so that you may install the supplied rear coil spring spacers. (**Note:** The spacers should be installed on top of the coil springs with the lip of spacer pointing down.)
29. Raise the axle to seat the coil springs against the spacers.
30. Reconnect the brake line bracket to the frame using the factory hardware.
31. Install the bushings and sleeves in the new Rusty's rear shocks. Install them on the vehicle with the factory hardware. (Torque upper bolts to 18 lb.-ft. and lower bolts to 40 lb.-ft. (**Note:** Please note the orientation of the rear shocks.)

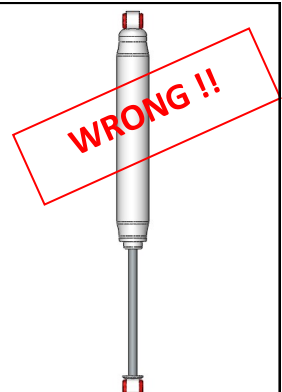
CORRECT:

Mount RX-100 series shocks with the body down and shaft pointing up.



INCORRECT:

DO NOT MOUNT RX-100 Series Shocks with the Shaft pointing towards the ground. This will cause poor handling and ride quality.



Rear Installation Instructions (Continued)

32. Reinstall tires and wheels.
33. Jack up the vehicle and remove the jack stands in order to lower the vehicle back to the ground.
34. Reattach the rear track bar by reinstalling the factory hardware removed in step 24.
35. 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: 7.5 Degrees Positive
- Camber: 0

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