



Rusty's Off-Road Products  
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## Rusty's 2005-2010 WK Grand Cherokee 2" Budget Kit

RK-BB20-WK

### INSTALLATION INSTRUCTIONS

Last Revised: 11/3/2017

#### 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.



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

**Parts List:**

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

<u>Part #</u>	<u>DESCRIPTION:</u>	<u>Quantity</u>
RC-SP200F-WK	Rusty's WK/XK 2" Front Strut Spacer (Pair)	1
RC-SP200R-WK	Rusty's WK/XK 2" Rear Poly Coil Spring Spacer (Pair)	1
RX-13	Rusty's RX100 Performance Shock: RX-13 (Contents Below)	2
	(Bushing Packs: PO1532 & PO1313)	

**Front Installation Instructions**

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

1. Raise vehicle and place jack stands under frame. Chock the rear tires to prevent any accidental movement.
2. Remove tires and wheels.
3. Disconnect the lower strut fork at the lower control arm and at the lower portion of the strut assembly. Remove the air box by removing the air cleaner and lifting it up and out.
4. Remove the upper four strut tower nuts from inside the engine compartment on both sides.
5. Remove the strut assemblies.
6. With the struts removed, grind or cut the un-threaded stud end of the top of the stud. Slide the new Rusty's spacer onto the strut and torque to 75 ft. lbs.
7. Reinstall the strut assembly into the vehicle and start the upper nuts, hand tighten only, reinstall the lower strut fork and tighten the bolt at the coil spring and then at the lower control arm. Torque to 85-ft. lbs.
8. Tighten the upper four new nuts and washers on each side and reinstall the airbox. Torque to 75-ft. lbs.
9. Install the tires and wheels.

**Rear Installation Instructions**

10. Remove jack stands and lower the vehicle to the ground.
11. Raise vehicle and place jack stands under the frame. Chock the front tires to prevent any accidental movement.
12. Remove the wheel & tire assembly.
13. Remove sway-bar bolt & push the bar and linkage out of the way. Remove the rear upper shock bolts and move the shocks out of the way.



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### Rear Installation Instructions (Continued)

14. With the axle supported, remove the upper driver's side control arm. Lower the axle slowly until the springs can be removed.
15. Remove the spring from the passenger side of the vehicle. Pull the bump stop, the OE upper isolator and take out the bump stop cup.
16. Insert the bump stop cup into the upper coil isolator and bolt the two into place. Put bumper stop and spring back into the vehicle.
17. Remove the drivers' side rear spring.
18. Install the coil spacer and bump stop.
19. Place the bump stop inside the coil spring right side up and install the spring.
20. Re-install the sway bar, shocks, and rear wheels.
21. Torque all bolts to factory specs and check again after 50 miles.
22. Installation is now complete!



### 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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