



Rusty's Off-Road Products
7161 Steele Station Road
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1-256-442-0607
www.rustysoffroad.com

Rusty's JK 2" Basic Kit RK-200B-JK INSTALLATION INSTRUCTIONS

Last Revised: 01/13/2017

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 sup-



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-CS222-JK	Coils – 2" Front (JK)	2
RC-CS244-JK	Coils – 2" Rear (JK)	2
RX-27	Shocks - JK Hydro Front 2"	2
RX-26	Shocks - JK Hydro Rear 2"	2
(PO1532)	EB1 Hourglass Shock Bushing w/ Sleeve Pack	4
EB1-BP1 (PO1313)	Rusty's Hourglass Shock Bushing w/ Open Bar Pin Pack	2
PO1318	Rusty's Stem Style Shock Bushing Pack	2

Front Installation Instructions

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

- 1.) Raise the front of the vehicle with a jack and secure a jack stand under each frame rail, behind the trailing arms.
- 2.) Lower the vehicle to the jack stands. Remove the tires.
- 3.) Remove the track bar at the frame using a 21mm socket. Save all hardware for re-use.
- 4.) Place a jack under the front axle to support it.
- 5.) Remove the factory front shocks using an 18mm socket and wrench to unbolt the lower shock bolt at the axle. Remove the upper shock mount using a 16mm wrench. Save all hardware for re-use.
- 6.) Detach the front sway bar links from the axle using a 18mm socket.
- 7.) Un-bolt the brake line bracket from either the frame on '07-'11 models, or the bracket on the front axle located between the coil spring and shock on '12-Current Models. (**Note:** The ABS wire may have to be un-clipped from the brake line to allow the axle to be lowered enough to remove the coil springs.)
- 8.) Lower the axle with the jack and remove the front coil springs. The new front coil springs should now be installed. (A coil spring compressor may be necessary for installation.)
- 9.) With the coil springs in place, raise the axle to seat the coil springs.
- 10.) Reinstall the brake lines back into the stock location with the factory hardware.



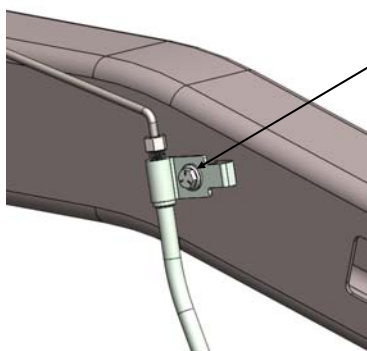
Front Installation Instructions (Continued)

- 11.) Re-attach the track bar at the frame with the factory hardware using a 21mm socket. If the body has shifted, it may be necessary to use a ratchet strap to line up the track-bar with the frame mount. Torque to 75 Ft. lbs.
- 12.) Re-attach the front sway bar links from the axle using an 18mm socket.
- 13.) Install the bushings and sleeve into the RX-27 front shocks.
- 14.) Install the new front shocks using the factory hardware. Tighten the lower bolt to factory specifications and the upper nut until the bushings swell slightly.
- 15.) Reinstall the tires, remove the jack stands and lower the vehicle back to the ground.
- 16.) Front Installation Completed!

Rear Installation Instructions

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

- 1.) Raise the rear of the vehicle and place jack stands under the frame rail, just ahead of the trailing arms.
- 2.) Lower the vehicle to the jack stands. Remove the tires.
- 3.) Place jack under the axle to support it.
- 4.) Remove the track bar at the frame using a 21mm socket. Save all hardware for re-use.
- 5.) Remove the factory rear shocks using a 18mm socket and wrench at the lower shock bolt at the axle, followed by the upper hardware. Save all hardware for re-use.
- 6.) Remove the rear brake line bracket from the frame rail using a 10mm socket. Save all hardware for re-use.

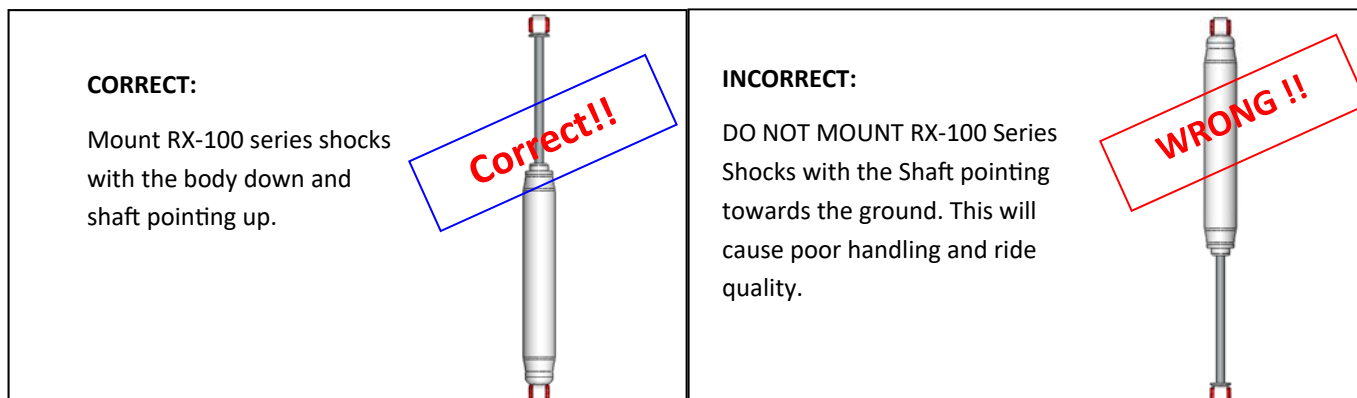


Loosen with 10mm ratchet and retain the hardware.

- 7.) Detach the rear sway bar links from the axle using a 18mm socket.
- 8.) Lower the axle with the jack and remove the rear coil springs. Install the new rear coil springs. (A coil spring compressor may be necessary for installation.)

Rear Installation Instructions (Continued)

- 9.) With the coil springs in place, raise the axle to seat the coil springs.
- 10.) Re-install the rear sway-bar links to the axle using the factory hardware.
- 11.) Reinstall the brake lines in the stock location with the factory hardware.
- 12.) Re-attach the track bar at the frame with the factory hardware using a 21mm socket. If the body has shifted it may be necessary to use a ratchet strap to help line up the track bar with the frame mount. Secure using the factory hardware and torque to 75 Ft. lbs.
- 13.) Install the bushings in the RX-26 shocks with the provided bushing packs.
- 14.) Install the new rear shocks using the factory hardware. Make sure that you install the shocks with the shaft pointing upward to prevent poor ride quality characteristics. RX200 and RX300 shocks can be installed in either direction.



- 15.) Reinstall the tires, remove the jack stands and lower the vehicle back to the ground.
- 17.) Double-check all hardware and components for proper clearances and torque.
- 18.) **IMPORTANT NOTE:** Once installation of this lift kit is complete, the drag link **MUST** be adjusted to center the steering wheel **BEFORE** the vehicle is driven. Failure to do so will cause the Vehicle Stability Program to not function properly, odd vehicle handling, and poor performance.
- 19.) Adjust the front drag link to center the steering wheel by loosening the two bolts on the drag link adjustment collar and then rotating the adjustment collar until the steering wheel is centered.
- 20.) Retighten the two bolts on the drag link adjustment sleeve.
- 21.) Readjust headlights to proper specs.
- 22.) A professional front end alignment is required. See Page 5 for Alignment Specs. If necessary, the vehicle can be driven to a local alignment shop, but the alignment should be performed as soon as possible.
- 23.) Re-torque all fasteners after 500 miles and recheck after 1000 miles. Visually inspect components and re-torque fasteners during routine vehicle service.



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Final Notes

Recommended Alignment Specs:

Castor: +7.0 Degrees

Camber: 0 Degrees

Castor: Starting @ 0 Degrees

Re-torque all fasteners after 500 miles and recheck after 1000 miles. Visually inspect components and re-torque fasteners during routine vehicle service.

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 300 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. Thank you for choosing Rusty's Off Road Products.



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