



Rusty's Off-Road Products  
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## Rusty's FSJ 2" Full Size Add-A-Leaf Lift Kit RK-200AL-FS INSTALLATION INSTRUCTIONS

Last Revised: 01/16/2017

### 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.

<b>Part #</b>	<b>DESCRIPTION:</b>	<b>Quantity</b>
RC-2125	Rusty's Add-A-Leaf - FSJ Front 2" Full Length (pair)	1
RC-2564	Rusty's Add-A-Leaf - FSJ Rear 2" Full Length (pair)	1
RX-26	Rusty's RX100 Performance Shock: RX-26	4
EB1-BP1 (PO1313)	Rusty's Hourglass Shock Bushing w/ Open Bar Pin Pack (Contents Below)	4
EB1	Hourglass Shock Bushing (Qty:1 Per Pack)	
BP18	Open Bar Pin (Discard) (Qty:1 Per Pack)	
(PO1532)	EB1 Hourglass Shock Bushing w/ 1/2" Sleeves Pack (Contents Below)	4
EB1	Hourglass Shock Bushing (Qty:1 Per Pack)	
ES-25	1/2" Shock Bushing Sleeve (Qty:2 Per Pack)	
RC-SC1	Rusty's Leaf Spring Clips	4
RC-CP-38	3/8"-16 x 4" Length Centering Pin	4
67470328	3/8"-16 Grade 8 Nut	4
n/a	Rusty's Warning Label	1
n/a	Rusty's Decal Pack	1

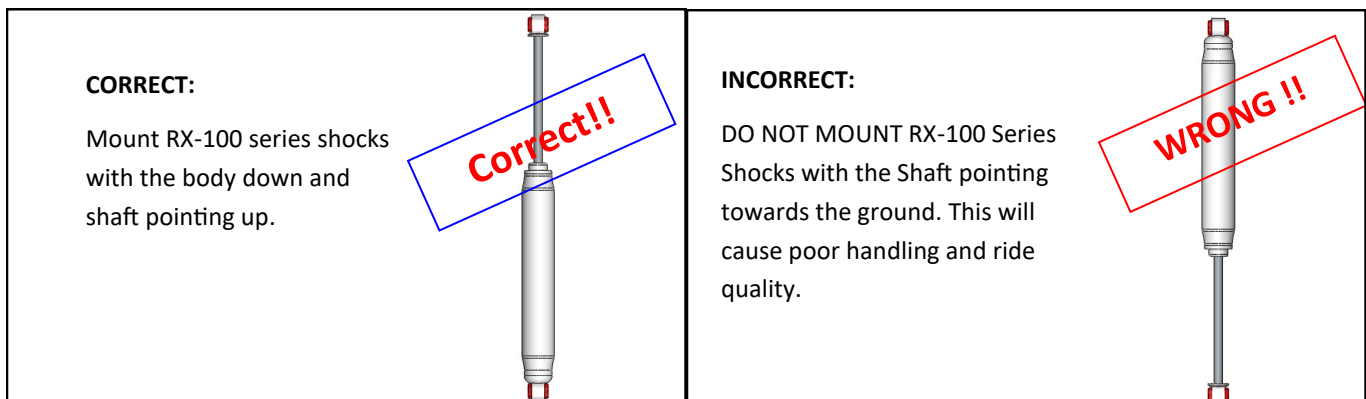


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## Front Installation Instructions

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

1. Raise the front of the vehicle and place jack stands under the frame. Chock the rear tires to prevent any accidental movement.
2. Remove tires and wheels.
3. Remove the factory shocks. Discard the shocks but save the hardware for re-use.
4. Support the axle with a jack. Remove the U-bolts from the axle. Retain the U-bolt Plates for reuse.
5. Using a chisel, cutoff wheel, saw, or similar tool, remove the leaf spring retaining straps that align the leaves in the spring pack. They are located on both the front and rear portion of the springs.
6. Position a C-clamp near the spring centering pin and tighten it to hold the spring pack together. Remove or cut off the spring centering pin if it is seized. Carefully loosen the clamp to relieve the pressure in the spring pack in a controlled manner.
7. Position the Rusty's add-a-leaf in the spring pack. It should be placed directly under the main leaf, or under the next longest leaf in the spring pack. All of the shorter leaves should be placed under the add-a-leaf in order of descending length. The long side of the new leaf will go towards the rear of the vehicle.
8. Align the centering pin holes in each leaf and use a C-clamp to clamp the pack together. (Note: Do not use the centering pin to compress the leaf pack.) Position the pin so that the head is pointed downward and install the supplied new centering pin in the aligned holes. Lube the threads and slowly tighten the nut; do not over tighten the pin as it will strip easily.
9. Slowly lower the axle into place and be sure the center pins align with the holes in the axle pads on each side.
10. Position the factory U-bolts and original spring plates, start the washers and nuts, and torque the nuts to 75lb-ft.
11. Install the supplied new leaf spring retaining straps on the front or rear portion of the leaf springs near where the original ones were located.
12. Install the bushings and sleeves in the new Rusty's shocks. Install them on the vehicle with the factory hardware. Torque the upper and lower bolts to 40-ft.lbs. (**Note:** Please refer to the illustration below for the correct orientation of the shocks.)



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13. Reinstall the tires and wheels and lower vehicle.

### Rear Installation Instructions

14. The rear installation procedure is largely identical to the front. Repeat all of the front installation steps on the rear at this time.

15. Installation Completed!

### Final Notes

- Cycle the steering lock-to-lock and double-check all components for proper operation and clearance.
- Double-check all fasteners for proper torque. Check all fasteners again after 100 miles.
- A professional alignment is recommended. Check the toe (start at 0). If necessary, adjust the drag link in order to center the steering wheel.
- At this point there should be no remaining new parts left to be installed except for the stickers.
- Re-torque all fasteners after 500 miles and recheck after 1000 miles. Visually inspect components and re-torque fasteners during routine vehicle service.

## WARNING

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