



## PART #RK2099-4 and RK2099-5

### 2003-2006 Crew Cab 4 Door

# INSTALLATION INSTRUCTIONS

Please take the time to read these INSTALLATION INSTRUCTIONS and check the Hardware Parts List to be sure you have all the listed parts.

These installation instructions are prepared for the professional installer with the proper equipment, tools and experience in suspension systems and safety. This vehicle and its components are extremely heavy and can be dangerous without the proper equipment and experience.

Please read the warranty information (blue page enclosed). Complete your Product Warranty Card and mail it to DJM Suspension.

Please take a few minutes to fill out your installation helper (back side of warranty). Accurate measurements BEFORE BEGINNING INSTALLATION will show any irregularities in your vehicle.

**NEVER WORK UNDER TRUCK SUPPORTED BY A JACK ONLY !!!  
USE QUALITY JACK STANDS WHICH HAVE A RATING ADEQUATE FOR YOUR TRUCKS WEIGHT!!!**

This kit required removing the factory rear shackle hanger (The bracket holding the shackle to the frame). Installer will need to have the tools and equipment required to remove factory rivets.

May require modification of stock exhaust to clear shackle.

**NEW REAR SHOCKS ARE REQUIRED, DJM PART #2200 .**

#### **Hardware Parts List:**

##### **Flip Kit**

- 2) Lower Axle Brackets.(1010A)
- 2) Upper Axle Brackets.(1010P)
- 4) 5/8" U-bolts.(1025)
- 8) 5/8" x 18 Nylock Nuts
- 16) 5/8" Washes.
- 2) 5/8" x 11 x 3-1/2" Tap Bolts.
- 2) 5/8" x 11 x 4" Tap Bolts.
- 4) 5/8" x 11 Nylock Nuts.
- 2) Spring Plates.(1025)
- 2) Bump Stops.(10R)

##### **Shackle Hanger**

- 1) Left Hanger.(2507)
- 1) Right Hanger.(2507)
- 8) 7/16"x14x1-1/4" Bolts.
- 8) 7/16" Washes.
- 8) 7/16" x 14 Nylock Nuts.
- 2) Rear Shackles.(1011)
- 1) Tube Loctite
- 1) 5/16" Drill Bit
- 1) 3/8" x 16 Tap

The forward leaf spring bolt on the driver side can not be removed without moving the gas tank. The flip kit can be installed without removing the the bolt and will be described in these instructions.



Support the frame with jack stands. The axle should also be supported with jack stands. A jack in the center of the axle will be used to raise or lower the axle when needed.



With the axle secured on jack and supported by jack stands. Loosen and remove the u-bolts on both sides.

The passenger side leaf spring bolts can be easily removed, so unbolt the leaf spring. Next the leaf spring center bolts must be reversed. Use a c-clamp to hold the springs together. Hold the bolt with a vice grip and loosen the nut. Install pin down through the spring and and tighten with original nut. Install spring under the axle using only the front bolt for now.



On the driver side, unbolt the factory shackle. Leave the front bolt in place so you won't have to move the gas tank. Reverse center bolt the same as on the passenger side.



The shackle hanger needs to be removed from the frame on both sides. There is one bolt and three rivets holding it on. There is also a bracket from the bottom of the frame to the shackle bolt. Cut the rivets with a plasma cutter or use a die grinder to slot the rivet and remove with a chisel. The new hanger will reverse the shackle so the spring will mount below. This will lift the truck after flipping the axle. The shackle is adjustable from 4"-5" of drop when complete.



The brake cables are run through a bracket bolted to the frame on the drivers side. Unbolt the bracket.



Remove both lower shock bolts.

Carefully slide the axle to the passenger side just enough to get the driver leaf spring over the brake drum and slide the axle back.



Bolt brake cable brackets back on to frame and tighten.

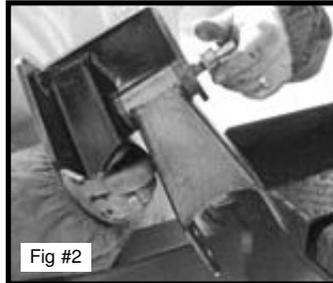


# PART #RK2099-4 and RK2099-5

## 2003-2006 Crew Cab 4 Door

### INSTALLATION INSTRUCTIONS cont.

Apply some grease to the shackle bushing and bolt the shackle to the new bracket. Do not tight until installation is complete.



Using the 7/16" bolts provided, bolt the new shackle hanger in the original holes. Install brackets on both sides. Tighten the bolts. Install leaf spring to the shackle. Use the hole closer to the bushing for a 5" drop and the furthest hole for a 4" drop. Do not tight shackle bolts until installation is complete.



Place the new axle locator bracket on top of the spring with the offset hole to the front of the vehicle. Line up the hole in the bracket with the pin in the spring. Raise the leaf spring and align new bracket under the rear axle. Add a jack stand under the leaf for support.

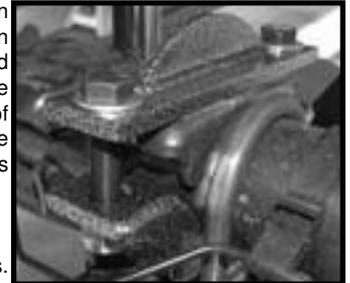


Rotate axle to align drive shaft.

Install new U-bolts and spring plates (5 hole) on the bottom of the springs. Tighten the nuts on the u-bolts to hold axle in place.



Place the new upper axle plates on top of the axle, align pin with hole on axle. Install the 5/8" bolts provided with one flat Washes on top of the upper plate and one on the bottom of the axle locator. Raise the axle to ride height and adjust pinion angle as needed.



Tighten U-Bolts and axle bracket bolts. Tighten shackle bolts and spring bolts.

#### INSTALLING BUMP STOPS

Drill a 3/8" hole above the axle be (remember the axle has been moved rearward about 1") install the bumpstop (provided)

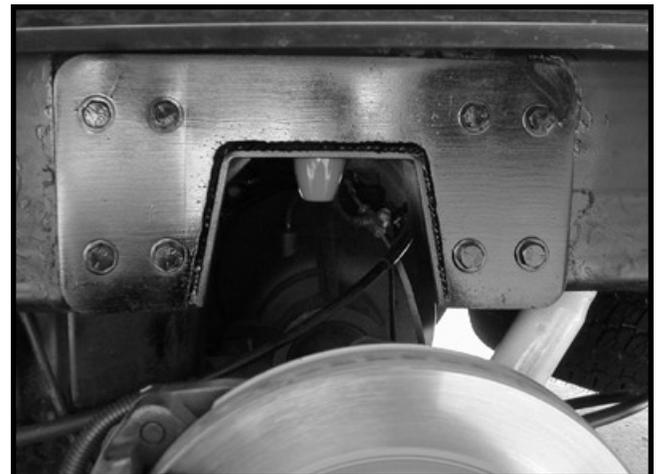
---

Test drive and adjust pinion angle as necessary. Measure and record the height of the rear on the installation helper.

After about 100 Miles, check all bolts are tight.

---

#### FRAME CLEARANCE BRACKET (OPTIONAL)



If your truck bottoms excessively you may want to install a "C" Section to get more rear end travel mostly on 5" rear. Part# FK2599-C it will have all nuts bolts.