



PART #RK3018-5

2008-2011 Ford Superduty 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.

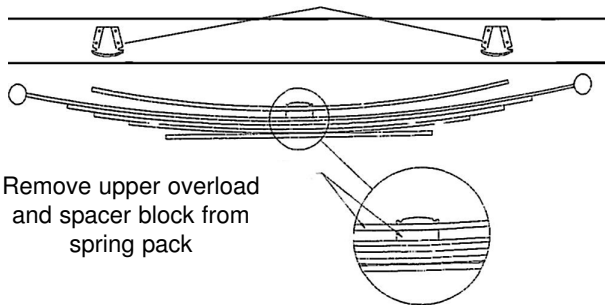
Please take a few minutes to fill out your installation helper (back side of warranty). Accurate measurements BEFORE BEGINNING INSTALLATION will show any irregularities in your vehicle.

**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.

NEW REAR SHOCKS ARE REQUIRED, DJM PART #2100 .

NOTE: Before you start be aware trucks with upper overload spring and striker plates will have to be removed. This may not be acceptable for some users please take note before the installation is started



Hardware Parts List:

Flip Kit

- 2) Lower Axle Brackets.(3018A)
- 2) Upper Axle Brackets.(1010P)
- 4) 5/8" Washes.
- 2) 5/8" x 11 x 4" Bolts.
- 4) 5/8 x 11 x 4 1/2 Bolts
- 8) 5/8 Flat Washes.
- 4) 5/8" x 11 Nylock Nuts.
- 2) Spring Plates.(3018)
- 2) Spring Center bolts
- 4) 4"x11" U- Bolts
- 8) 5/8 Nylock nuts
- 8)5/8 Washers

Shackle Hanger

- 1) Left Hanger.(3018)
- 1) Right Hanger.(3018)
- 8) 7/16"x14x1-1/4" Bolts.
- 8) 7/16" Washes.
- 8) 7/16" x 14 Nylock Nuts.
- 4) tie wraps

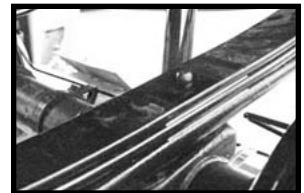
Support the frame with jack stands. The axle should also be supported with jack stands. A jack in the center of the axle will be used to raise or lower the axle when needed.

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

Unbolt the leaf springs. Next the leaf spring center bolts must be reversed(use new center bolt if needed). Use a c-clamp to hold the springs together and a vice grip on the bolt 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. The shackle hanger needs to be removed from the frame on both sides. 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.

Remove both lower shock bolts. Bolt the factory shackle to the new bracket. Do not tighten 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. Do not tight shackle bolts until installation is complete.





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2008 Superduty Flip Kit, Shackle Hanger & Lifting Shackle INSTALLATION INSTRUCTIONS cont.

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 with short side of off set hole forward. Raise the leaf spring and align the new bracket under the rear axle. Add a jack stand under the leaf for support.

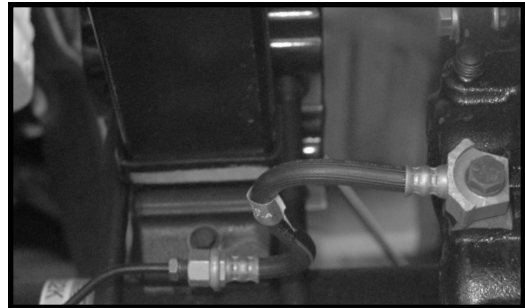


The ideal pinion angle would be perfect alignment when the truck is in motion. With the rear end mounted to leaf springs when power is applied the rear end always moves up slightly. So adjust the pinion just below (-5 degrees) perfect alignment

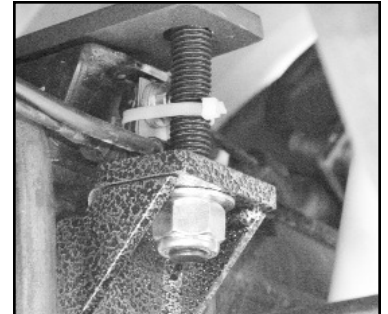
Rotate axle to align drive shaft.



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



The breakline bracket attached to the block is relocated to the rear bolt of the axle (flip) locator. Use the nylon tie wraps (provided) and secure the breakline use two if necessary. We made a simple mount and used a 1/4" bolt to secure



Place the new upper axle plates on top of the axle, align pin with hole on axle. Install the 5/8" bolts provided (4" front 4.5" rear some axles will use 4.5" on both) with one flat washers on top of the upper plate and one on the bottom of the axle locator. Check pinion angle.

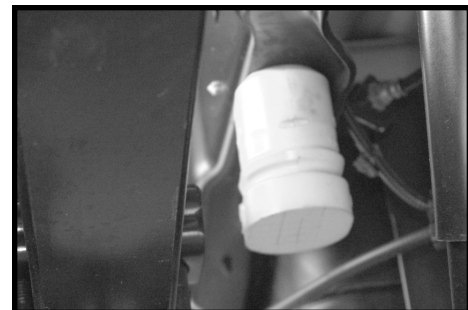


Tighten U-Bolts and axle bracket bolts.

Do not Tighten shackle bolts and spring bolts until the truck is on the ground and fully weighted.

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.



Trim the bumpstop to the point that the truck does not bottom excessively but not so much to over travel the shock absorbers.