



ICON VEHICLE DYNAMICS

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Part No. 64031
Adjustable Pan Rod Bar
(With Bearings)
2005+ Ford Super Duty

Enclosed Parts List:

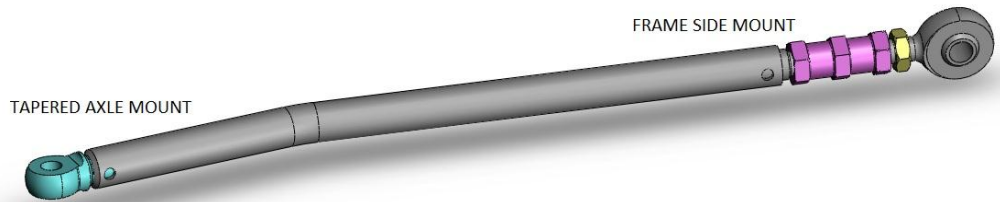
(1) Adjustable Pan Hard Bar	(Optional)
(2) Bearing Assembly	

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED, SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE!

Warning! *Icon Vehicle Dynamics* recommends that you exercise extreme caution when working under a vehicle that is supported with jack stands or on a lift.

FRONT SUSPENSION INSTALLATION

- 1.) Jack up the front end of the truck and support the frame at the front frame rails with jack stands. Keep vehicle at ride height but allow the frame rails to lay on the jack stands placed behind the lower control links. NEVER WORK UNDER AN UNSUPPORTED VEHICLE.
- 2.) Loosen and remove lower pan hard bar nut at the axle.
- 3.) Jack up vehicle and remove tires
- 4.) Support the axle with a heavy duty floor jack. With the housing supported, loosen the lower shock mount bolts going through the axle housing. THE AXLE HOUSING IS EXTREMELY HEAVY AND IS SUPPORTED BY THE SHOCKS, MAKE SURE THE HOUSING IS SECURELY SUPPORTED BY THE JACK.
- 5.) Place a large pry bar or wedge in-between the pan rod bar and the mount. the ball joint is tapered to make a snug fit to the axle. Slowly lower the axle housing, causing the pan rod bar to hit the pry bar into the mount and forcing the pan rod to become unseated from the ball joint. Loosen and remove the upper pan rod bar bolt and remove OE pan rod bar.
- 6.) The ICON adjustable pan rod bar has a tapered adapter at the axle end, slip that end over the ball joint, and thread the nut on a few turns to keep the pan rod from falling down. Begin to raise the axle with the jack to help raise the adjustable pan rod bar in to the original mount. Use the supplied heim spacers to securely fit the heim into the mount. The Heim thread is left hand, so clockwise is loosen, and counter is tighten.
- 7.) Jack the axle up 2-3" from full droop. Make sure not to jack the vehicle off of the stands!!! Finish installation of the new *ICON Adjustable Pan Rod Bar* tightening the axle end of the bracket. Adjust the length making sure both threads have equal engagement.
- 8.) Re-install tires and lower vehicle to the ground.
- 9.) With the vehicle on the ground center the front axle by adjusting the pan rod bar adjusting collar. The bolts can remain in their stock location tightened, and by turning the adjusting collar in or out to align the front axle to the chassis. Tighten the adjusting collar jam nuts.
- 10.) Center the steering wheel. This lift does not affect castor, camber or toe-in; this is the only alignment that is needed. Point the tires straight ahead, make sure the steering column is not locked, loosen the clamps on the drag link turn buckle and rotate the turn buckle to center the steering wheel. Without the use of alignment equipment you may need to test drive the vehicle and re center the wheel if it is off slightly.
- 11.) Check the torque on all hardware. Drive the truck 1-2 miles and re-torque all nuts, bolts and lugs. Re-center the steering wheel if necessary.



RE-TORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.

For Technical Assistance Call: 951.689.ICON

***Icon Vehicle Dynamics* LIMITED LIFETIME WARRANTY**

Icon Vehicle Dynamics warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. *Icon Vehicle Dynamics* does not warrant the product for finish, alterations, modifications and/or installation contrary to *Icon Vehicle Dynamics* instructions. *Icon Vehicle Dynamics* products are not designed, nor are they intended to be installed on vehicles used in race applications, for racing purposes or for similar activities. (A "race" is defined as any contest between two or more vehicles, or a contest of one or more vehicles against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America and Canada.

Icon Vehicle Dynamics obligation under this warranty is limited to the repair or replacement, at *Icon Vehicle Dynamics'* discretion, of the defective product. Any and all costs of removal, installation or re-installation, freight charges and incidental or consequential damages are expressly excluded from this warranty.

Items that are subject to wear are not considered defective when worn and are not covered.

Coil over take-apart shocks are considered a serviceable shock with a one year warranty on leakage only. Service seal kits are available separately for future maintenance. We do not warranty any other product not directly manufactured by *Icon Vehicle Dynamics*.

Icon Vehicle Dynamics components must be installed as a complete kit as shown in our current application guide. Any substitutions or exemptions of required components will immediately void the warranty.

Some finish damage may happen to parts during shipping and is not covered under warranty.

This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been improperly installed, modified or customized subject to accident, negligence, abuse or misuse.