



**4331 EUCALYPTUS AVE. ~~ CHINO, CA 91710**

**909-597-7800 Fax 909-597-7185**

**2005 - 2007 FORD F-250/350 SUPER DUTY 4WD**

**FTS22029 6" BASIC KIT**



**2005-07 FORD SUPER DUTY 6" BASIC SYSTEM**

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FTS22029BK 6" BASIC KIT**

**PARTS LIST:**

Qty	Part #	Description
2	FT30467BK	Radius Arm Drop Dr. / Pass 2wd & 4wd
2	FT30169BK	Sway Bar Frame Drop Bracket
1	FT30122	Pitman Arm
1	FT30143BK	Fr. Bump stop Drop Driver
1	FT30144BK	Fr. Bump stop Drop Passenger
1	FT30175BK	Trac Bar Drop Bracket
1	FT30178BK	Trac Bar Support tube
1	FT30133	Steering Stab. Drop Bracket
2	FT30154	Fr. Brake Line Bracket
1	FT30176	Hardware Bag
2	FT22029i	Instruction Sheet
1	FT30258	Sector Shaft Nut

**TOOL LIST:**

- FLOOR JACK
- JACK STANDS
- ASSORTED METRIC AND S. A. E. WRENCHES AND SOCKETS
- DRILL WITH ASSORTED DRILL BITS

CHECK ALL PARTS INCLUDED IN THIS KIT TO THE PARTS LIST ABOVE BEFORE BEGINNING INSTALLATION OF THE KIT. IF ANY PIECES ARE MISSING, CONTACT FABTECH AT 909-597-7800

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION.

CHECK PARTS & HARDWARE AGAINST THE PARTS LIST BEFORE BEGINNING THE INSTALLATION TO ASSURE THE KIT IS COMPLETE, CONTACT FABTECH @ 909-597-7800 IF KIT IS INCOMPLETE.

## **LIFT INSTRUCTIONS:**

1. Disconnect the negative terminal on the battery. Jack up the front end of the truck and support the frame, at the front frame rails, with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE.** Remove the front tires.
2. Working from both sides of the truck, remove the brake calipers and tie them up out of the way. **DO NOT ALLOW THE CALIPERS TO HANG FROM THE BRAKE LINES!** Remove the brake line and ABS lines from the front side and the rear side of the lower spring perch on the axle and save the hardware.
3. Supporting the front axle with two floor jacks, remove the front shocks and discard. Remove the sway bar end links from the axle mount and save the hardware.
4. Lower the front axle allowing the coil springs to come free of tension. **EXERCISE EXTREME CAUTION WHEN WORKING WITH COIL SPRINGS UNDER LOAD!** Remove the coil springs from the truck and discard, save the factory upper coil isolator.
5. Remove the factory steering stabilizer from the frame mount and save the hardware. Remove the steering stabilizer frame bracket and save the hardware. Discard the frame bracket. Leave the steering stabilizer connected to the drag link. SEE PHOTO BELOW.



6. Remove the drag link from the pitman arm and save factory hardware. You will need to strike the pitman arm with a large hammer to dislodge the drag link for the pitman arm. **USE CARE NOT TO KIT THE THREADS ON THE DRAG LINK!**
7. Remove the trac bar from the frame bracket and save the original hardware. Remove the trac bar bracket from the frame and save the original hardware and discard the factory trac bar bracket. SEE PHOTO IN NEXT COLUMN.



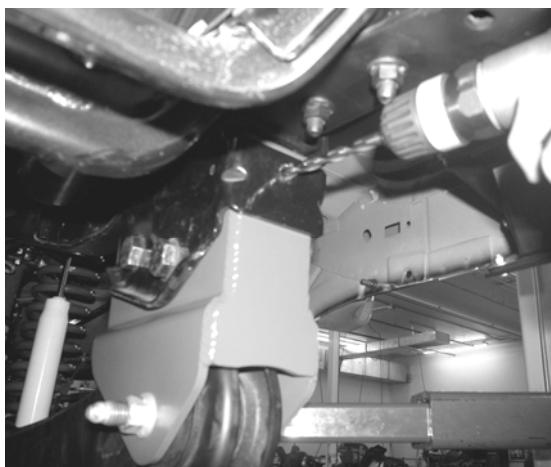
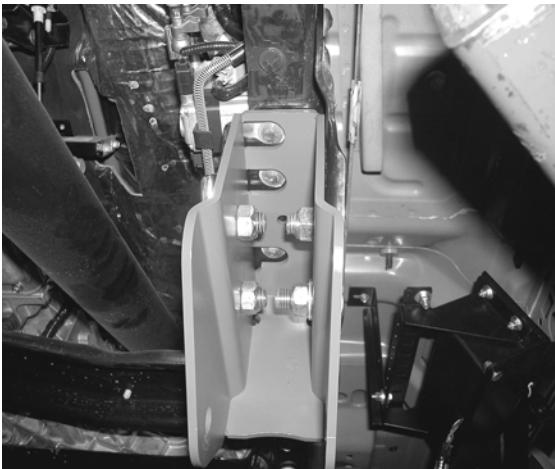
8. Remove the factory pitman arm from the steering box using a large pitman arm puller or large two-jaw puller. Save the hardware and discard the pitman arm. SEE PHOTO BELOW.



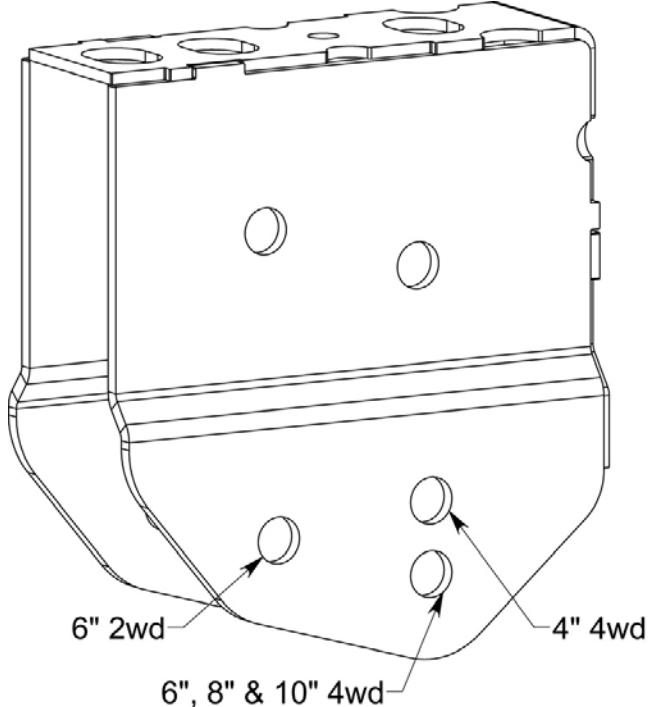
9. Locate FTS30122 new drop pitman arm. Attach to the steering box in the same indexed position as the factory pitman arm was when removed. **Install the provided FT30258 Sector Shaft Nut and torque to 350 ft. lbs. (Note: this is a one-time only use nut, once it is tightened on the sector shaft and removed, it must be discarded.)**
10. Locate FT30175 trac bar frame bracket. Attach to the frame using the original hardware in the same position. Torque bolts to 110 ft. lbs. **DO NOT ATTACH THE TRAC BAR TO THE FRAME BRACKET AT THIS TIME.**
11. Locate the ABS lines on the radius arms and disconnect it at the plug on the fender well. Remove the ABS line brackets from the radius arms and save the hardware.
12. With the front axle still supported by the floor jack, remove both of the front factory radius arms from the axle and the factory frame mounts. Save the factory hardware.

13. Working from the driver side of the truck, locate FT30467 radius arm drop bracket. Place the bracket into the factory radius arm bracket on the frame. Attach the bracket to the factory bracket using the supplied  $\frac{3}{4}$ " x 1  $\frac{1}{2}$ " bolts, nuts, and washers through the original holes in the frame. Torque bolts to 100 ft. lbs.

14. Using a drill with a 7/16" drill bit, drill the two remaining holes out. The hole on the inside of the bracket will need to be drilled through the frame only and the hole on the rear of the bracket will need to be drilled through the Fabtech bracket. Attach using the supplied 7/16" x 1  $\frac{1}{2}$ " bolts, nuts, and hardware. SEE PHOTOS BELOW.



15. Reinstall the radius arm onto the truck using the original hardware. Attach to the axle first then to the new drop bracket using the reward hole. Leave loose at this time. SEE DRAWING IN NEXT COLUMN.



16. Repeat step thirteen thru fifteen on the passenger side of the truck.

17. Working from both sides of the truck, locate and remove the factory front bump stops and save. These can be removed by pulling on the bump stop itself, free from the cup. Remove the factory mounting cup from the frame and discard the hardware. Locate FT30143 and FT30144 front bump stop drop brackets. Using a drill with a 15/32" drill bit, drill out the factory locator pin hole in the frame. Now attach the bump stop to the hole in the frame using the supplied 7/16" x 1  $\frac{1}{2}$ " bolt, nut, and washer. Once attached and aligned with the frame, drill the second hole with the 15/32" drill bit. Attach the last hole with the supplied 7/16" x 1  $\frac{1}{2}$ " hardware. Attach the factory bump stop cup to the new bracket using the supplied 5/16" x 1  $\frac{1}{4}$ " bolt, flat washer, and split washer. Press the factory bump stop back into the cup. SEE PHOTO BELOW.



Photo shown without bump stop installed

18. Using the coil springs from the 6" lift coil spring kit, (8" coils will not work with this bracket kit)

install the coil springs into the truck in the factory location using the original factory upper coil isolator.

19. Using a floor jack raise the front axle enough to compress the front coils approx. 1". Locate the front shocks FTS7188 and install onto the truck.
20. Torque the rear radius arm pivot bolts to 200 ft. lbs. the front pivots bolts to 200 ft. lbs.
21. Locate the factory brake line mount on the front side of the coil bucket. Remove the bracket from the mount and save the hardware. Locate FT30154 front brake line bracket and attach to the coil bucket using the original hardware. Using the supplied  $\frac{1}{4}$ " x 1" hardware, attach the brake line to the bracket. You will need to carefully bend the hard line down to meet the new brake line bracket. **USE CARE NOT TO DAMAGE THE HARD LINE.** SEE PHOTO ON NEXT PAGE.



22. Reattach the ABS line to the radius arms in the original location using the original hardware. Plug the ABS line back together at the fender well.
23. Locate FT30133 steering stabilizer drop bracket and install in the factory location using the original hardware. Torque to 50 ft. lbs. Reattach the stabilizer to the bracket. SEE PHOTO BELOW.



Picture Shown With Stabilizer Installed

24. Remove the front sway bar from the frame mounts and save the hardware. Locate FT30169 sway bar frame drop brackets and attach to the frame where the sway bar was originally attached using the factory hardware. Using the supplied 3/8" X 1 1/4" hardware attach the sway to the new drop brackets and torque to 35 ft. lbs.
25. Reattach the factory sway bar end links to the axle mounts using the original hardware. Torque to 40 ft. lbs.
26. Position the factory trac bar into the new trac bar bracket. Note: You may need to raise the axle up or down to align the hole. Using the original bolt insert it from the front side of the bracket towards the back. Do not push the bolt fully through at this time.
27. Locate FT30178 trac bar support bracket and attach first to the forward motor mount bolt on the driver side of the truck, then line the other end up to the trac bar bolt. Torque the factory motor mount bolt to 75 ft. lbs and the trac bar bolt to 400 ft. lbs. SEE PHOTO BELOW.



28. Install the front tires and wheels. Torque lug nuts to wheel manufacturers specifications.
29. Re-check all front hardware at this time for correct torque tightness.
30. Check the front brake lines and ABS line at this time for proper clearance from all moving part. You will want to steer the wheels from left to right to make sure the lines clear the wheels.
31. Check the front-end alignment and set to the factory specifications. Re-adjust headlights.

**REAR LIFT INSTRUCTIONS ARE  
ENCLOSED WITH REAR LIFT BOX.**

**RETORQUE ALL NUTS, BOLTS AND LUGS  
AFTER 500 MILES.**

**RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 50 MILES AND PERIODICALLY THEREAFTER.**

For technical assistance call: 909-597-7800

**Product Warranty and Warnings-**

Fabtech provides a Limited Lifetime Warranty to the original retail purchaser who owns the vehicle, on which the product was originally installed, for defects in workmanship and materials.

The Limited Lifetime Warranty excludes the following Fabtech items; bushings, bump stops, ball joints, tie rod ends, limiting straps, cross shafts, heim joints. These parts are subject to wear and are not considered defective when worn. They are warranted for 60 days from the date of purchase for defects in workmanship.

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. All other shocks are covered under our Limited Lifetime Warranty.

Fabtech does not warrant any product for finish, alterations, modifications and/or installation contrary to Fabtech's instructions. Alterations to the finish of the parts including but not limited to painting, powdercoating, plating and/or welding will void all warranties. Some finish damage may occur to parts during shipping which is considered normal and is not covered under warranty.

Fabtech products are not designed nor intended to be installed on vehicles used in race applications or for racing purposes or for similar activities. (A "RACE" is defined as any contest between two or more vehicles, or any contest of one or more vehicle 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.

Installation of most suspension products will raise the center of gravity of the vehicle and will cause the vehicle to handle differently than stock. It may increase the vehicle's susceptibility to a rollover, on road and off road, at all speeds. Extreme care should be taken to operate the vehicle safely at all times to prevent rollover or loss of control resulting in serious injury or death. Fabtech front end Desert Guards may impair the deployment or operation of vehicles equipped with supplemental restraining systems/air bag systems and should not be installed if the vehicle is equipped as so.

Fabtech makes every effort to ensure suspension product compatibility with all vehicles listed in the catalog, but due to unknown auto manufacturers production changes and/or inconstancies by the auto manufacturer, Fabtech cannot be responsible for 100% compatibility, including the fitment of tire and wheel sizes listed. The Tire and Wheel sizes listed in Fabtech's catalog are only a guideline for street driving with noted fender trimming. Fabtech is not responsible for damages to the vehicle's body or tires.

Fabtech's obligation under this warranty is limited to the repair or replacement, at Fabtech option, of the defective product only. All costs of removal, installation or re-installation, freight charges, incidental or consequential damages are expressly excluded from this warranty. Fabtech is not responsible for damages and/or warranty of other vehicle parts related or non related to the installed Fabtech product. This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been subject to accident, negligence, alteration, abuse or misuse as determined by Fabtech.

Fabtech suspension components must be installed as a complete system including shocks as shown in our current catalog. All warranties will become void if Fabtech parts are combined and/or substituted with other aftermarket suspension products. Combination and/or substitution of other aftermarket suspension parts may cause premature wear and/or product failure resulting in an accident causing injury or death. Fabtech does not warrant products not manufactured by Fabtech.

Installation of Fabtech product may void the vehicles factory warranty; it is the consumer's responsibility to check with their local vehicle's dealer for warranty disposition before the installation of the product.

It is the responsibility of the distributor and/or the retailer to review all warranties and warnings of Fabtech products with the consumer prior to purchase.

Fabtech reserves the right to supercede, discontinue, change the design, finish, part number and, or application of parts when deemed necessary without written notice. Fabtech is not responsible for misprints or typographical errors within the catalog or price sheet.



www.fabtechmotorsports.com

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PHONE 909-597-7800 FAX 909-597-7185  
2005 - 2007 FORD SUPER DUTY 4WD  
REAR LIFT FOR 6" F-250 W/O FACTORY OVER LOAD LEAF  
FTS22033**

**PARTS LIST:**

Qty	FTS22033	
2	FTBK4	4" Block
4	FT728U	U-Bolt
1	FTS419	Shim Kit

Qty	FT30814	Hardware Subassembly
1	31000005252	5/16" Split Washer
1	31182001081	5/16"-18 x 2" Hex Bolt gr.8
1	FT58H	5/8" Hardware
1	FT22033i	Instruction Sheet
1	FT30166	E-Brake Cable Sleeve

**Tool List: (Not Included)**

**Floor Jack  
Jack Stands  
Assorted Metric and S.A.E Sockets & Allen Wrenches**

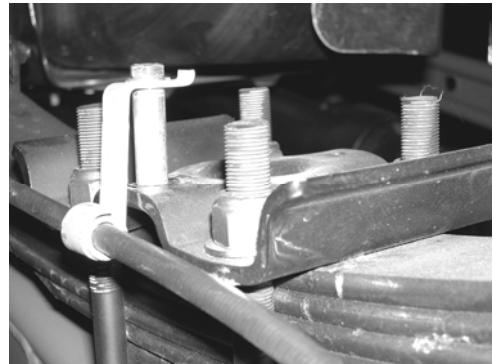
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**IF TRUCK IS EQUIPPED WITH REAR SWAY BAR, FTS92010BK REAR SWAY BAR DROP  
BRACKET CAN BE PURCHASED.**

## **INSTRUCTIONS:**

1. Disconnect the negative terminal on the battery. Jack up the rear end of the vehicle and support the frame rails with jack stands. Supporting the rear differential remove and discard the rear shocks and u bolts. Lower the axle down slowly. Use care not to over extend the brake hose.  
**NEVER WORK UNDER AN UNSUPPORTED VEHICLE!**
2. Locate and install the rear lift blocks, the factory block will be positioned on top of the new Fabtech block, with the short center pin of both blocks facing down, to the axle. The short end of the blocks should face to the front of the vehicle. Using the supplied u-bolts, nuts, and washers align axle, lift blocks, and springs and torque to U-Bolts to 90lbs
3. Install Fabtech shock part number FTS7266 (not included) with the factory hardware and torque bolts to 65lbs.
4. Locate the E-Brake Cable mount on the driver side spring pack perch. Remove the bolt attaching it to the perch and discard the hardware.
5. Locate FT30166 E-Brake Cable Sleeve and attach between the spring perch and E-brake Cable bracket using the supplied 5/16"-18 x 2" bolt and split washer.



6. Install FTS419 shim kit as per the instructions in the FTS419 box.
7. Recheck all bolts for proper torque. Recheck brake hoses and lines for proper clearances.
8. Install tires and wheels and torque lug nuts to wheel manufacturers specifications.
9. Readjust headlights.
10. Check the front-end alignment and set to the factory specifications.

**RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 50 MILES AND PERIODICALLY THEREAFTER.**

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