



4331 EUCALYPTUS AVE. ~~ CHINO, CA 91710  
 909-597-7800 Fax 909-597-7185  
 FTS22065BK  
 Rear Leaf Spring Hanger  
 2000 - 2007 Ford F250 & F350 4WD

**PARTS LIST:**

Qua	Part #	Description
2	FT30210BK	Lift Hanger
2	FT30211BK	Shackle Frame Mount
1	FT30220	Hardware Kit
1	FT30156	RR E-Brake Bracket
1	FT30166	E-Brake Cable Sleeve
1	31181001052	5/16"-18 x 1" Hex Bolt
1	31180003052	5/16"-18 Nyloc Nut
2	31000005052	5/16" SAE Flat Washer
1	31182001081	5/16"-18 x 2" Hex Bolt gr.8
1	31000005252	5/16" Split Washer
2	FT22065i	Instruction Sheet

**HARDWARE LIST:**

Qua	Description
12	1/2"-13 x 1 1/4" Hex Bolt
8	1/2"-13 x 1 3/4" Hex Bolt
12	1/2"-13 C-Lock Nut
24	1/2" SAE Flat Washer
8	7/16"-14 x 1 1/4" Hex Bolt
8	7/16"-14 C-Lock Nut
16	7/16" SAE Flat Washer

**TOOL LIST:**

- Assorted Metric & Standard Wrenches
- Torque Wrench
- Floor Jack
- Jack Stands
- Die Grinder with cutoff wheel
- Air Hammer with Blade and Punch Bits
- Heavy Duty Ratchet Strap
- Drill with 7/16" and 1/2" Drill Bits

**WARNING**

**SPRING HANGERS ARE NOT COMPATABLE WITH ALL FACTORY HITCH RECIEVERS.  
 ORDER FORD PART # 5C3Z-17D826-CB FROM YOUR LOCAL FORD DEALER OR  
 DRAW-TITE HITCH PART # 41931**

**DO NOT CUT OR MODIFY STOCK HITCH OR SHACKLE FRAME MOUNT IN ANYWAY**

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

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

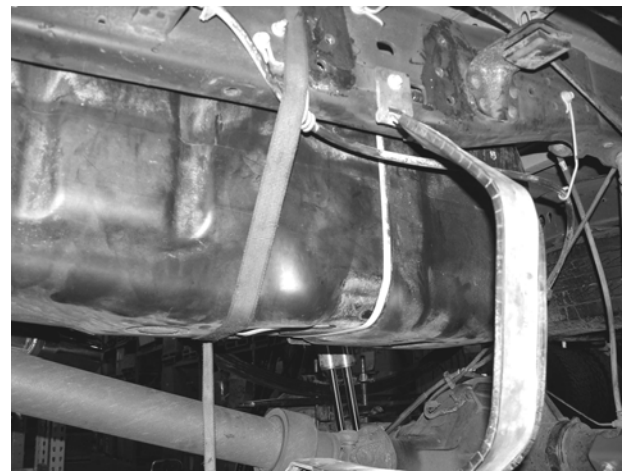
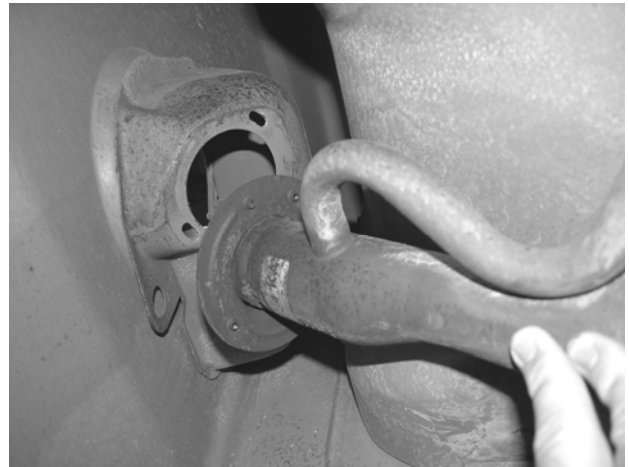
**DO NOT ALTER THE FINISH OF THESE COMPONENTS, EXAMPLE- CHROMING, ZINC PLATING OR PAINTING. CHANGING THE FINISH CAN CAUSE STRUCTURAL FATIGUE OF COMPONENTS.**

**SOME VEHICLES MAY REQUIRE AN EXHAUST MODIFICATION. MAKE SURE TO CHECK FOR PROPER CLEARANCE AFTER INSTALLATION IS COMPLETED.**

**THIS SYSTEM IS DESIGNED FOR THE FABTECH LONG TRAVEL LEAF SPRINGS OR USE WITH STOCK LEAF SPRINGS WITHOUT FABTECH TRACTION BARS**

### **INSTALLATION INSTRUCTIONS:**

1. Disconnect the negative terminal on the battery. With the vehicle on level ground, set the emergency brake and block the front tires. Locate the spare tire key and handle and remove the spare tire. Set spare tire aside for later install. **(This will allow access to the rear hanger bolts)**. Jack up the rear end of the truck and support the frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the rear tires. Disconnect the Emergency Brake Cable bracket from the drivers side u-bolt plate and save the factory hardware. Support the rear axle with a floor jack just enough so that axle does not hang freely.
2. Working from the driver side, remove and save the front leaf spring bolt and factory nut tab from the spring and hanger. Use a die grinder with a cut off wheel to make an X cut in the face of the rivets on the front and rear hangers. Next, use an air hammer with the chisel bit to remove the head of the rivets. Follow that with the air hammer and a punch bit to completely remove the rivets from the frame. Lower the floor jack enough to remove the leaf spring from the hangers. Make sure not to over extend the brake lines. Once the rear hanger is free from the frame, remove and save the leaf spring bolt and factory nut tab from the hanger. Loosen, but do not remove the bolt that attaches the spring to the shackle. **(Take note on how the bolt was removed, it must be re-installed the same way)**
3. Use a heavy-duty ratchet strap and place it around the gas tank hanging it from the frame rail and bed support. Leave a small amount of slack in the strap. Next remove the three bolts that attach the gas filler neck to the bed and save hardware. **(This is to allow the tank to be moved for access to the front hanger bolts)**. With the strap secure, slowly remove only the inner **rear tank strap** bolt. This will allow the tank to be lowered on to the ratchet strap. Only lower the strap enough to allow the tank to be moved. If the tank is lowered too much, it will over extend the fuel lines and sending unit. Next, using a drill with a 1/2" bit, drill out the rivet holes in the frame for the Front Hanger. Then using a drill with a 7/16" bit, drill out the rivet holes in the frame for the Rear Shackle Frame Mount. SEE PHOTOS IN NEXT COLUMN. **Note: If truck is equipped with a gas tank skid plate, it will need to be removed first. Save it and hardware for re-installation.**



4. Locate an FT30210BK Lift Hanger, FT30211BK Shackle Frame Mount and supplied 7/16" and 1/2" hardware. First, attach the Shackle Mount to the frame in the stock location with the supplied 7/16" hardware and torque to 60lbs. Next, use the supplied 1/2" hardware, attach the new Hanger to the frame in the stock location, torque to 100lbs. On 00-04 models you will use the 1/2" x 1 3/4" bolt on the front hanger top four mount holes and on the 05-06 models you will use the 1/2" x 1 1/4" bolts (use care when moving the gas tank, it has limited mobility). SEE PHOTOS ON NEXT PAGE



**2005 Model Year Only**

8. Next, the Emergency Brake Cable will need to be relocated. If you have installed the Spring Hangers with FACTORY height leaf springs, locate the FT30166 E-Brake Cable Sleeve and attach between the u-Bolt Plate and Factory E-brake Cable bracket using the supplied 5/16"-18 x 2" bolt and split washer. If you have installed the Spring Hangers with Fabtech Long Travel Leaf spring, the FT30156 E-Brake Cable Bracket will need to be used instead of the FT30166 sleeve. Attach the FT30156 Bracket to the U-Bolt plate with the factory hardware. Next attach the Factory E-Brake bracket to the FT30156 with the supplied 5/16'-18x1" bolt, washers, and Ny-lock nut.



Picture shows complete installation w/ FT30166 sleeve

5. Tighten the ratchet strap enough to get the factory bolt back through the strap and started back into the mounting location. **(Re-install the factory gas tank skid plate if equipped at this time)**. Re-install the gas filler neck back onto the bedside with the factory hardware.
6. Raise the floor jack enough to locate the spring eyes into the hanger and shackle mount. Install the stock bolts and nut tabs through the springs and hangers and torque to 90 lbs.
7. Repeat steps two through six on the passenger side of the truck (with the exception of the gas tank procedures)
9. Recheck all bolts for proper torque. Recheck brake hoses and lines for proper clearances.
10. Install tires and wheels and torque lug nuts to wheel manufacturers specifications. Re-install spare tire and put key back into the truck.
11. Readjust headlights.
12. Check the front-end alignment and set to the factory specifications.

## **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 inconsistencies 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.

Instruction Sheet Part #- FT22065BK*i*

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