



Installation Instructions



4331 EUCALYPTUS AVE. ~~ CHINO, CA 91710

**6" RADIUS ARM SYSTEM
FTS22124**

2008-13 FORD 4WD F450/F550 SUPER DUTY

909-597-7800 Fax 909-597-7185



FTS22124 & FTS22148		6" Radius Arm Box Kit
Qty	Part #	Description
1	FT30125BK	Custom Radius Arm Driver
1	FT30126BK	Custom Radius Arm Pass
1	FT30775	Pitman Arm
1	FT30143BK	Frnt. Bumpstop Drop Driver
1	FT30144BK	Frnt. Bumpstop Drop Pass
1	FT30402	Steering Stabilizer Drop
1	FT3400-112P	Sway Bar Drop Brkt Drv.
1	FT3400-112D	Sway Bar Drop Brkt Pass.
1	FT30373BK	Trac Bar Drop Bracket
1	FT30273BK	Trac Bar Support Tube
1	FT30368	Hdwr Sub-Assembly
1	FT30401	Hdwr Sub-Assembly
1	FT30287	Hardware Kit (radius arm)

FT30287 Hardware Kit		
Qty	Description	Location
2	5/16"-18 x 1 1/4" Bolt	Brake Line Bracket
2	5/16"-18 Nylock Nut	
4	5/16" SAE Flat Washer	
2	5/16"-18 x 1" Thd Frmg Bolt	
2	5/16"-18 x 1 1/4" Bolt	Bump Stop Center
2	5/16" SAE Flat Washer	
2	5/16" Split Washer	
4	7/16"-14 x 1 1/2" Bolt	Bump Stop
4	7/16"-14 Nylock Nut	
8	7/16" SAE Flat Washer	
4	7/16"-14 x 1 1/4" bolt	Sway Bar Drop Brkt
4	7/16"-14 C-Lock Nut	
8	7/16" SAE Flat Washer	
6	1/4"-20 x 1" Bolt	ABS Line & Brkt
6	1/4"-20 C-Lock Nut	@ Radius Arm
12	1/4" SAE Flat Washer	
2	Adel Clamp	ABS Line & Brkt
2	Zerk Fitting	Radius Arm End
1	1/8" x 2" Cotter Pin	Drag Link
1	Lock Tight	
7	8" Zip Ties	4wd & ABS Lines

Hdwr Sub-Assembly Kit		
Qty	Part #	Description
1	12175801012	M12x1.75 x 80mm Bolt
2	12000005412	M12 Washer
1	12175003012	M12x1075 Nut
1	FT30258	Sector Shaft Nut
2	FT30409	8" Brake Line
2	FT30410	Brake Line Union
1	FT30276	Frnt. Brake line Bracket
1	FT30348	Frnt. Brake line Bracket Driver
1	FTS292	Alignment Cam Kit
2	FT30277BK	ABS Bracket @ Radius Arm
4	FT1006	Bushing
2	FT102	Sleeve
1	FTLUBE	Lube
2	FT22124i	Instruction Sheet
1	FTREGCARD	Reg. Card
1	FTAS12	Fabtech Sticker
1	FT104	Sleeve Tapered S/D
1	FT179	Sleeve Stabilizer
1	FT30403	Clevis
1	50132501052	1/2-13 X 2 1/2" Bolt
2	50130004152	Nut 1/2-13 Crimp Lock
3	50000005052	Washer 1/2 SAE
1	50131751052	1/2-13 X 1 3/4" Bolt
1	FTLOCK	Thread Lock



TOOL LIST:

- FLOOR JACK
- JACK STANDS
- ASSORTED METRIC AND S. A. E. WRENCHES AND SOCKETS
- WHITE LITHIUM GREASE
- TORQUE WRENCH
- DIE GRINDER WITH A CUTOFF WHEEL

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

MAY NOT SIT LEVEL DUE TO FACTORY OPTIONS AFTER LIFT.

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.

FABTECH RECOMMENDS YOU DO A PRE- INSPECTION OF THE TRUCKS FRAME FOR ANY DAMAGE BEFORE BEGINNING THE INSTALLATION OF THIS KIT. FABTECH ALSO RECOMMEND YOU PREFORM AN ALIGNMENT ON THE TRUCK BEFORE BEGINNING THE INSTALLATION. IF THE TRUCK HAS ANY FRAME DAMAGE OR WILL NOT ALIGN TO FACTORY SEPECS. DO NOT INSTALL THIS KIT UNTIL THE DAMAGE IS CORRECTED. CALL FABTECH FOR FURTHER INFORMANTION.

**FABTECH RECOMMENDS THE FOLLOWING TIRE SIZES FOR USE WITH THIS KIT:
6" LIFT- 325/65R18 TIRES W/ 18X9.5 WHEELS W/ 4 3/4" BACK SPACING**

Fabtech suspension systems when used on "Gas engine" trucks may require that the front drive shaft be modified. This is done to give adequate clearance between the driveshaft and the factory exhaust. Fabtech does not recommend modifying the exhaust and / or the catalytic converters. Contact Fabtech for additional information.

**** USE THE SUPPLIED THREAD-LOCKING COMPOUND ON ALL HARDWARE.**

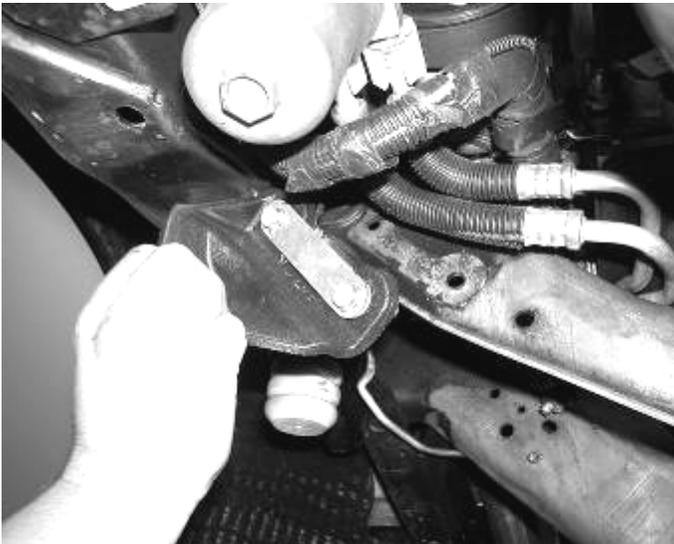
S.A.E. Bolt Torque Specification Chart

	Grade 5	Grade 8		Grade 8.8	Grade 10.9
SIZE	ft. lbs.	ft. lbs.	SIZE	ft. lbs.	ft. lbs.
1/4"	10	14	M-6	7	12
5/16"	21	29	M-8	17	29
3/8"	37	52	M-10	35	58
7/16"	59	83	M-12	65	100
1/2"	90	127	M-14	100	160
9/16"	129	184	M-16	150	240
5/8"	179	254	M-18	200	300
3/4"	317	450	M-20	300	400



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 (**remove the caliper cage from the knuckle, do not remove the caliper from the caliper cage**) 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 line tabs from the front side and the rear side of the coil spring mount on the axle and save the hardware.
3. Locate the ABS lines on the radius arms and disconnect it at its two mounting points. Use care not to damage the plastic clips on the ABS line as they will be reused, discard the bolt from the bracket
4. 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 with the hardware.
5. 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.
6. Remove the factory steering stabilizer from the frame mount and drag link, save the hardware. Remove the steering stabilizer frame bracket and save the hardware. Discard the frame bracket. SEE PHOTO BELOW.



7. Remove the drag link from the pitman arm and save factory hardware (note the mounting position of the drag link to the pitman arm). You will need to use a two jaw puller to remove drag link from the pitman arm. **USE CARE NOT TO DAMAGE THE THREADS ON THE DRAG LINK!**

8. 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 BELOW



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



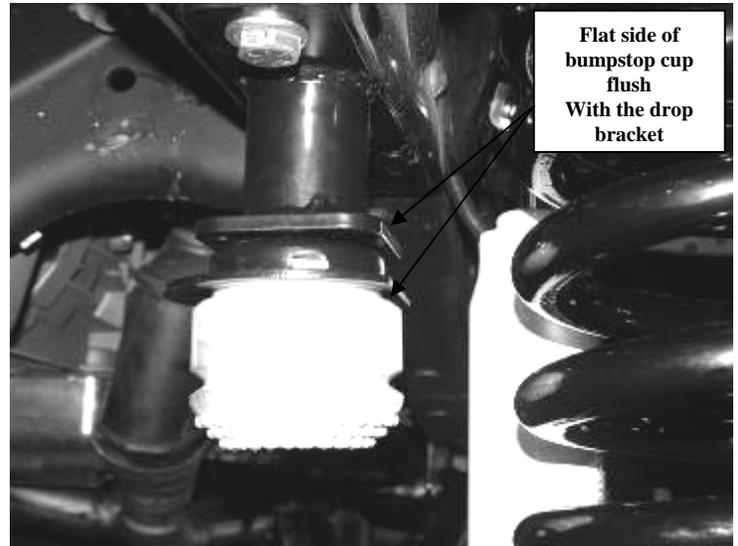
10. Locate FT30775 new drop pitman arm. Attach to the steering box in the same indexed position as the factory pitman arm was when removed. **Install the provided FT30258 Sector Shaft Nut and torque to **350 ft. lbs. (Note: this is a one-time only use nut, once it is tightened on the sector shaft and removed, it must be discarded)**
11. Locate FT30373 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.**

12. With the front axle still supported by the floor jacks remove both front factory radius arms from axle and factory frame mounts. Save the factory frame pivot bolts and the factory front pivot bolts and nut from the axle mounts.
13. Locate both FT30125 and FT30126 radius arms and install two of the supplied bushings and one of the supplied sleeves into each radius arm end. Use the supplied FTLUBE on all the bushing surfaces before installing them into the radius arms. Install one grease fitting into each end of the radius arms with the bushings.
14. Working from the driver side of the truck, Install FT30125, driver side radius arm onto the truck. First attach the radius arm to the axle mounts using the factory lower pivot bolt and nut and the supplied alignment cam on the lower pivot. Then attach the rear pivot to the factory mount on the frame and use the factory bolt. Leave loose at this time. SEE PHOTO BELOW.



15. Repeat step fourteen on the passenger side of the truck.
16. 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 Drv. Side front bump stop drop brackets. Using a drill with a 7/16" 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 1/2" bolt, nut, and washer. Once attached and aligned with the frame drill the second hole with the 7/16" drill bit. Locate FT30144 Pass. Side and center on the bottom of the frame between the factory rivets. (Pass. side does not have a locating hole). Mark the two holes from the new bracket to the frame and drill the two holes. Attach the bracket to the frame with the supplied 7/16" hardware.
17. Locate the factory bumpstop cup and use a die grinder with a cut-off wheel to cut off the locating tab from the

bottom. Attach the last hole with the supplied 7/16" x 1 1/2" hardware. Attach the factory bump stop cup to the new bracket using the supplied 5/16" x 1 1/4" bolt, flat washer, and split washer. Before tightening the bolt, align the flat part of the bumpstop cup to the flat side of the drop bracket. Press the factory bump stop back into the cup. SEE PHOTOS BELOW



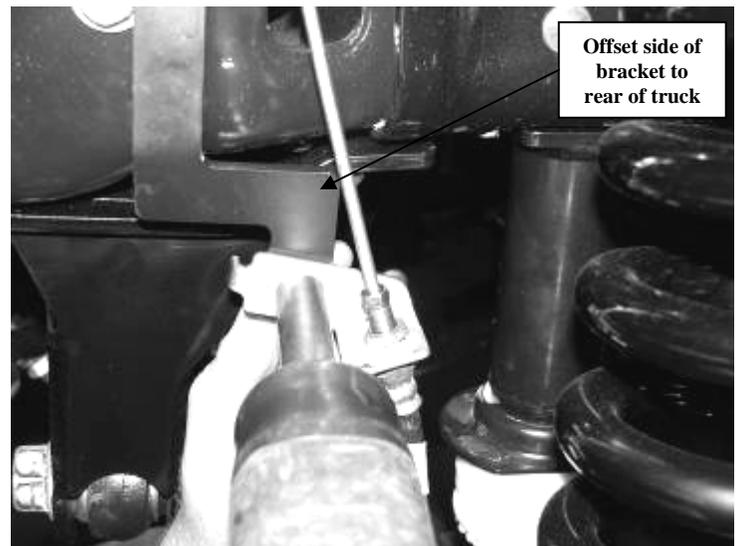
18. Using the coil springs from the 6" lift coil spring kit install the coil spring into the truck in the factory location using the original factory upper coil isolator. **IF INSTALLING A FABTECH COILOVER CONVERSION KIT SEE THE INSTRUCTIONS ENCLOSED WITH THE HOOP KIT AT THIS TIME.**
19. Torque the front and rear radius arm pivot bolts to **200 ft. lbs. **NOTE: SET THE ALIGNMENT CAMS IN THE LOWER FRONT RADIUS ARM IN THE MIDDLE OF ADJUSTMENT BEFORE TORQUING. MAKE SURE THE CAM IS SEATED INSIDE THE ALIGNMENT CAM GUIDES.**

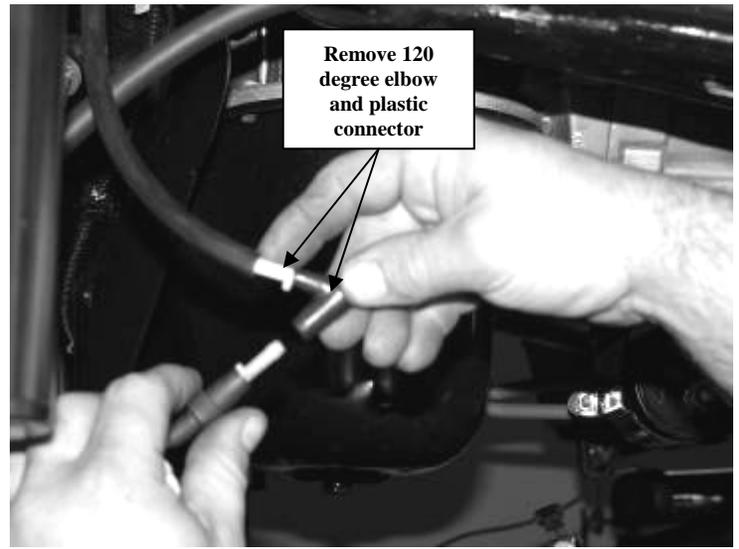
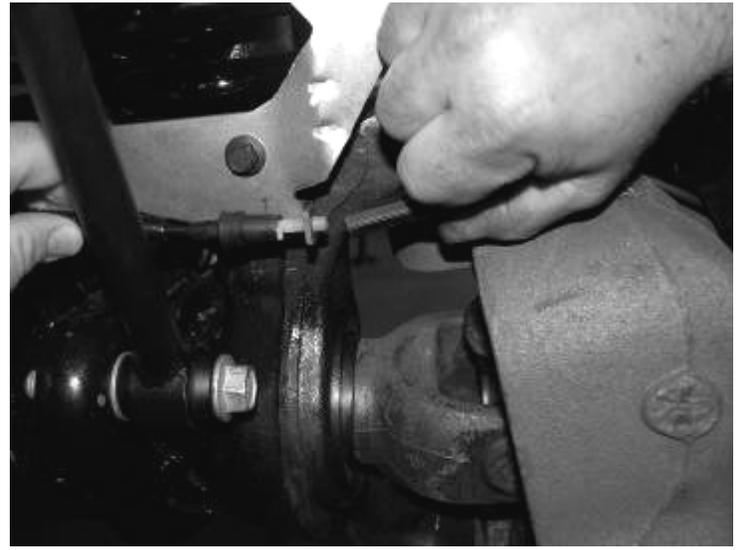
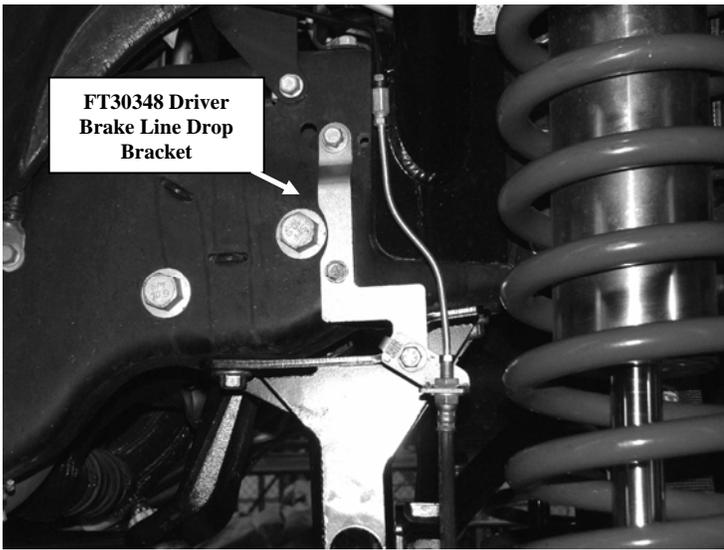
IF INSTALLING A FABTECH DUAL SHOCK KIT, USE THE INSTRUCTIONS ENCLOSED WITH THE DUAL SHOCK KIT AND INSTALL AT THIS TIME

20. 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. **Note: Some shock mounts will require cutting a 1/4" from the top of the factory shock tab. If required, use a die grinder with a cut-off wheel and remove the top 1/4" of the tab. Sand and paint bare/ exposed metal. SEE PHOTOS BELOW**



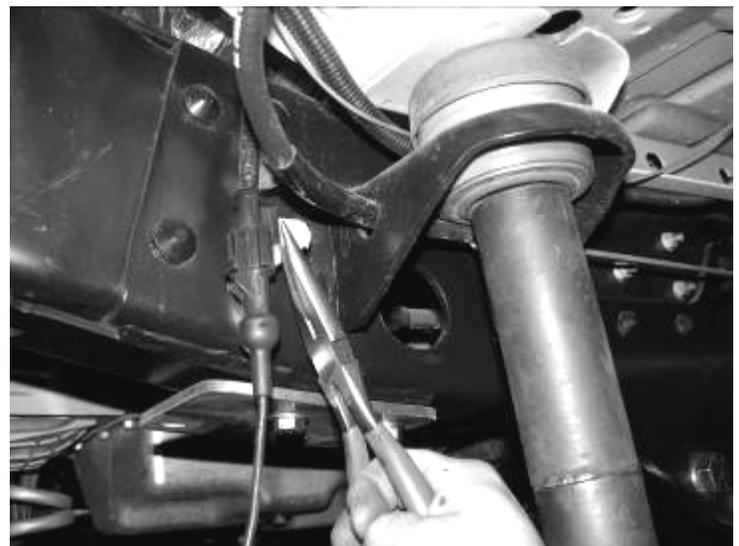
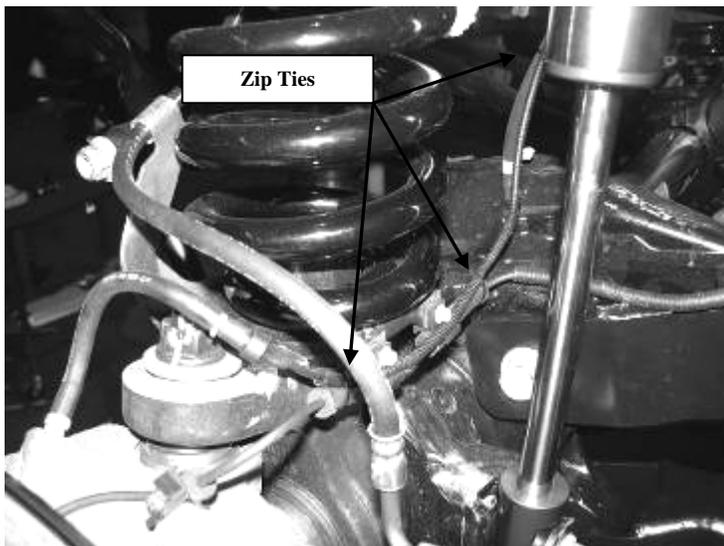
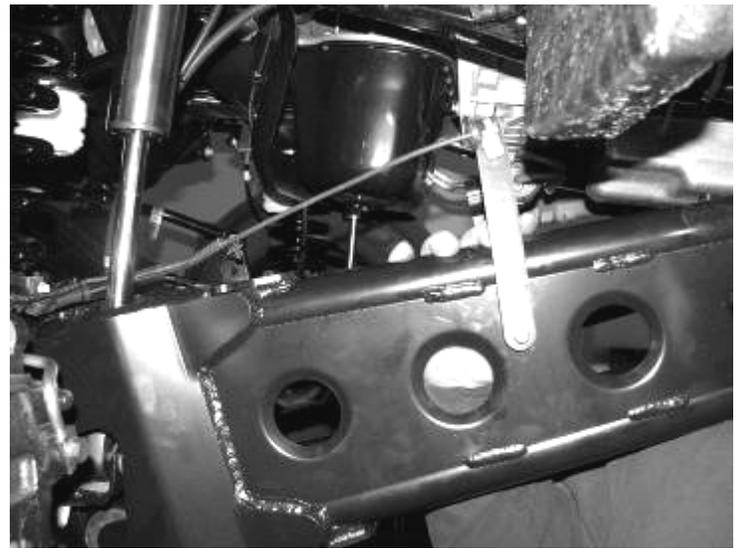
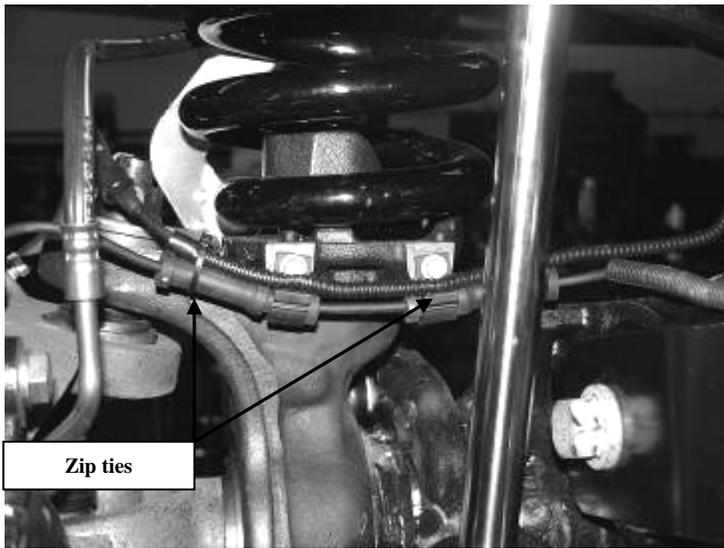
21. Locate the factory brake line mount on the front side of the frame. Remove the bracket from the frame and save the hardware. Locate FT30276 Passenger Front Brake Line Drop Bracket and attach to the frame using the original hardware in the factory brake line hole (with the offset of the bracket to the rear of the truck). Locate the supplied 5/16" thread forming bolt. Use a drill with a 17/64" drill bit and drill the new hole from the drop bracket into the frame. Install the 5/16" thread-forming bolt into the new hole. Locate FT30409 Hard Brake Line Extension and separate the factory hose from the hard line. Install the supplied FT30410 union and hard line to the factory hard line. Connect the factory hose to the new hard line. Using the supplied 5/16" hardware, attach the factory brake line to the new drop 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.**
22. Repeat step #21 on the Driver side of vehicle Using FT30348 Driver Front Brake Line Drop Bracket. SEE PHOTOS BELOW AND ON NEXT PAGE.





23. Working on the driver side, disconnect the four wheel drive vacuum line from the front brake line bracket and reposition and reconnect behind the coil spring mount. Follow the 4wd vacuum line up to the 120 degree connector and remove it from the line and re-connect the lines with the existing line splint. Attach the vacuum line to the ABS line at the coil mount with 2 of the supplied zip ties and attach the vacuum line to the front differential vent hose with 2 more zip ties. **(this keeps all the lines in place during suspension travel, failure to follow this step could cause ABS or 4wd failure).** SEE PHOTOS BELOW AND ON NEXT PAGE.





24. Locate FT30277 ABS Line Bracket, the supplied 1/4" hardware, and Adel clamp. Locate the hole on the radius arm and attach the line bracket to the radius arm in the middle hole. Now mark and drill the bottom hole in the line bracket to the radius arm. Install the 1/4" hardware into the bottom hole. Remove the ABS socket connector from the frame and re-connect the ABS line. Install the factory front ABS mount onto the front of the radius arm. Place the provided Adel clamp onto the ABS line mount (this may need to be moved) and attach to the new bracket with the supplied 1/4" hardware SEE PHOTOS BELOW AND ON NEXT PAGE.



Picture Shown with Factory Stabilizer re-installed

25. Remove the front sway bar from the frame mounts and save the hardware. Locate FT3400-110D & P sway bar frame drop brackets and attach to the frame (AS SHOWN IN PHOTOS) where the sway bar was originally attached using

the factory hardware. **MOUNT THE DRIVER SIDE BRACKET ON THE PASSENGER SIDE, AND THE PASSENGER SIDE ON THE DRIVER SIDE.** Using the supplied 7/16" X 1 1/4" hardware, attach the sway bar to the new drop brackets. Reattach the factory sway bar end links to the axle mounts using the original hardware (Torque to **40 ft. lbs. once the truck is on the ground; do not tighten while the suspension is in the air). The new drop brackets are slotted at both mounting points. For the 6" lift, position the frame mount and sway bar all the way forward toward the front of the truck and torque to **35 ft. lbs. SEE PHOTOS BELOW AND ON NEXT PAGE.



View of outer driver side frame rail



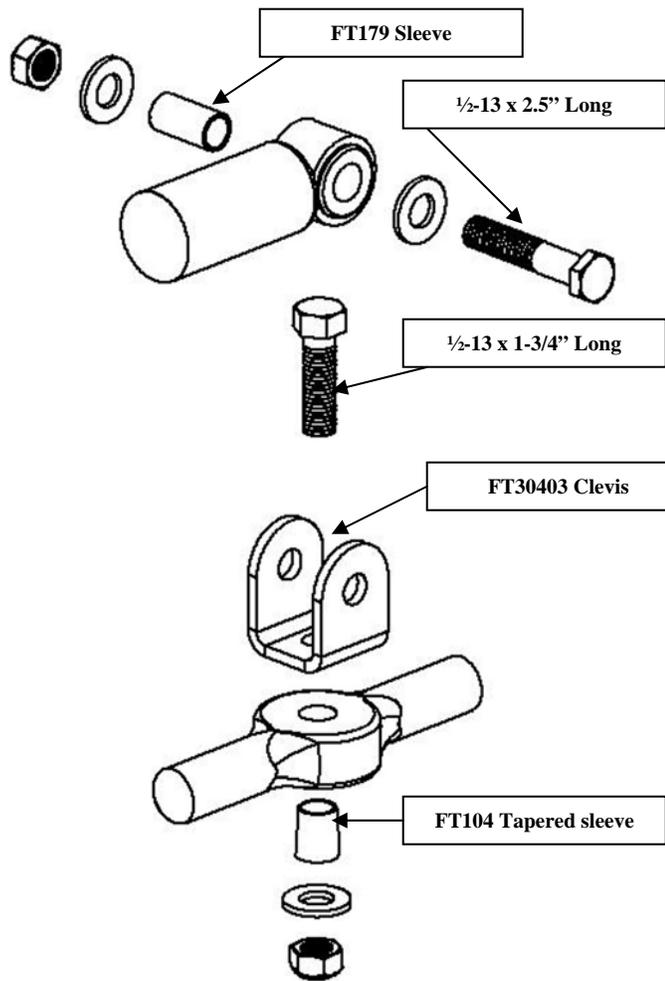
View of inner passenger side frame rail

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 FT30273 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 the trac bar bolt. Torque the factory motor mount bolt to **75 ft. lbs and the trac bar bolt to **400 ft. lbs. Attach the drag link to the bottom

of the new pitman arm (opposite of the factory mounting position on the factory pitman arm) with the factory hardware. Torque the nut to ** 148 ft-lbs. SEE PHOTO BELOW.



28. Locate the factory steering stabilizer. Use a die grinder with a sanding disc and remove the staked washer from the back of the stabilizer mounting pin. Locate FT179 Sleeve, FT30403 Clevis, FT104 Tapered Sleeve, and the supplied 1/2" Hardware. With the factory mounting pin removed from the stabilizer, insert the new sleeve into the stabilizer and attach it to the drag link as shown in the diagram below. Torque the 1/2" bolts to ** 90 ft. lbs.



29. Locate FT30402 steering stabilizer drop bracket and install in the factory location using the original hardware. Torque to **50 ft. lbs. Reattach the factory stabilizer to the frame bracket using the 80mm long, 12mm diameter bolt, washers and nut. If installing a Fabtech stabilizer do so at this time. SEE PHOTOS BELOW



30. Refer to owner's manual for proper brake bleeding procedure
31. Install front tires and wheels. Torque lug nuts to wheel manufacturer's specifications.
32. Re-check all front hardware at this time for correct torque tightness. Torque the sway bar hardware and endlinks at this time.
33. Check the front brake lines and ABS line at this time for proper clearance from all moving parts. You will want to steer the wheels from left to right to make sure the lines clear the wheels. Check fender to tire clearance, trim as needed. Adjust the front headlights.
34. Complete a full alignment on the truck.
35. **RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 500 MILES.** Re-adjust headlights.

REAR LIFT

SEE THE INSTRUCTIONS ENCLOSED IN THE REAR LIFT BOX KIT.



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.

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. 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 manufacturer's 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.



Installation Instructions

2008-10 FORD 4WD F450/F550 SUPER DUTY FTS22129 6" REAR LIFT SYSTEM

PARTS LIST:

FTS22129 6" F450/F550 Rear Box		
Qty	Part #	Description
2	FTBK4	4" Rear Lift Blocks
4	FT750U	7/8" U-bolts
1	FT30369	Hdwr Sub-Assembly Kit
1	FTS419	S/D 4wd Driveshaft Shim Kit
1	FT30362BK	Drv. Sway Bar Bracket
1	FT30363BK	Pass. Sway Bar Bracket
2	FT30364	Rear Bumpstop Extension

FT30369 Hardware Sub-Assembly		
Qty	Part #	Description
8	FT168	7/8" Heavy Duty Flat Washer
8	FT169	7/8" High Nut
1	FT30365	Rear Brake Line Bracket
2	FT178	Block Pin Sleeve
9	37161251081	3/8"-16 x 1 1/4" Hex Bolt
9	37160003052	3/8"-16 NyLok Nut
18	37000005081	3/8" SAE Flat Washer
4	50000005081	1/2" SAE Flat Washer
2	50130003052	1/2"-13 Nylok Nut
2	50131501081	1/2"-13 x 1 1/2" Hex Bolt
1	FTLOCK	Thread Locking Compound
1	FTREGCARD	Reg. Card
1	FTAS16	Decal
1	FTAS12	Fabtech Sticker

Tool List: (Not Included)

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

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

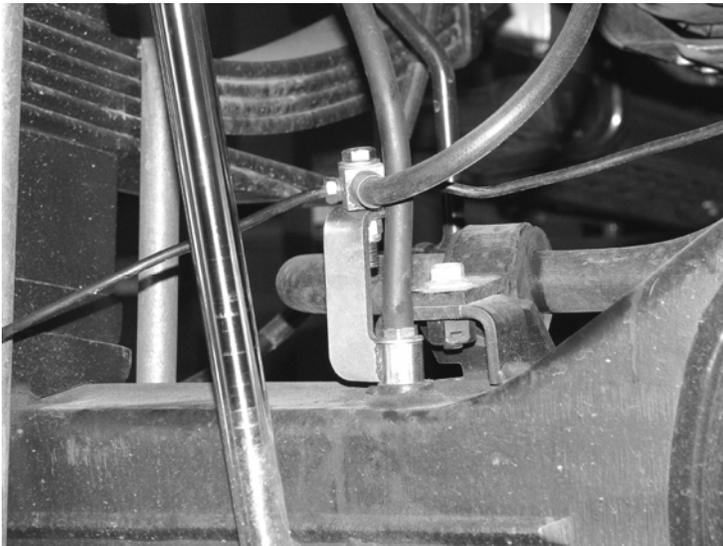
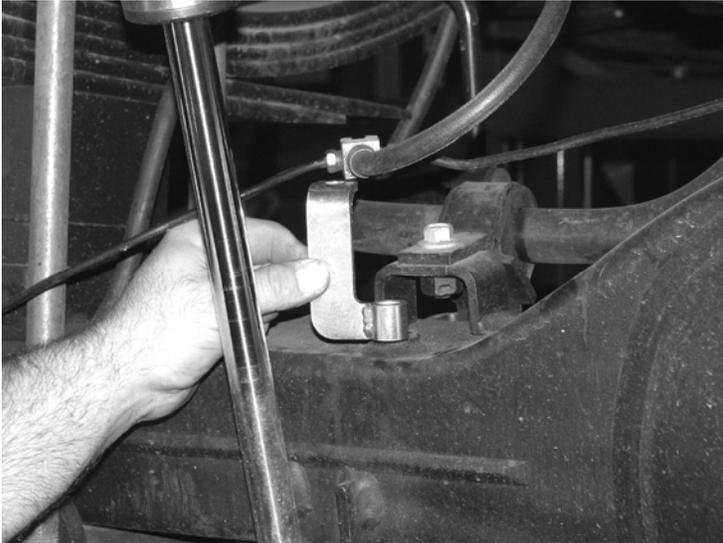
CHECK ALL PARTS INCLUDED IN THIS KIT TO THE PARTS LIST ABOVE BEFORE BEGINNING INSTALLATION OF THIS KIT. IF ANY PIECES ARE MISSING, CONTACT FABTECH AT 909-597-7800

4331 EUCALYPTUS AVE. ~~ CHINO, CA 91710

909-597-7800 Fax 909-597-7185

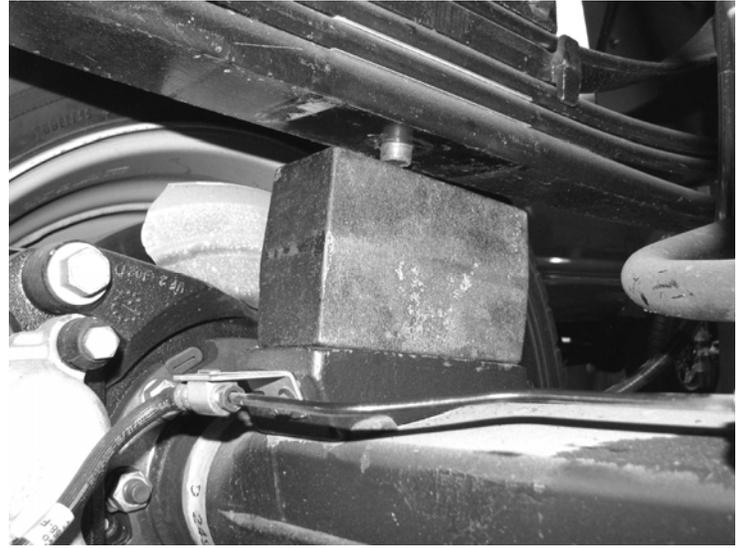
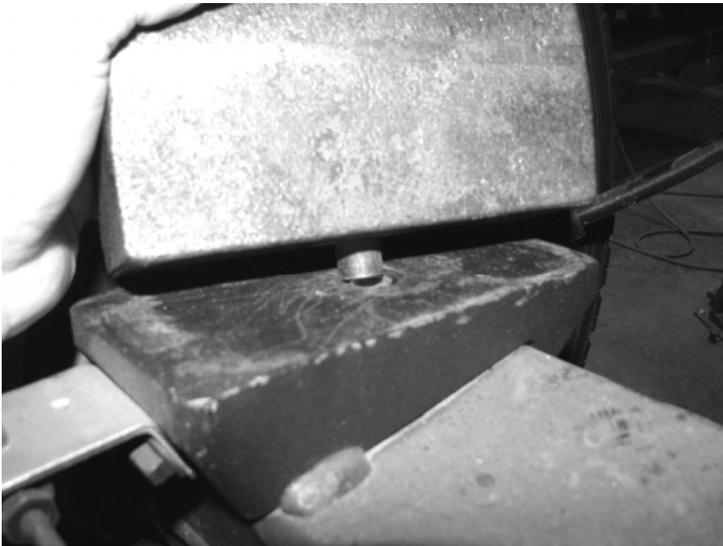
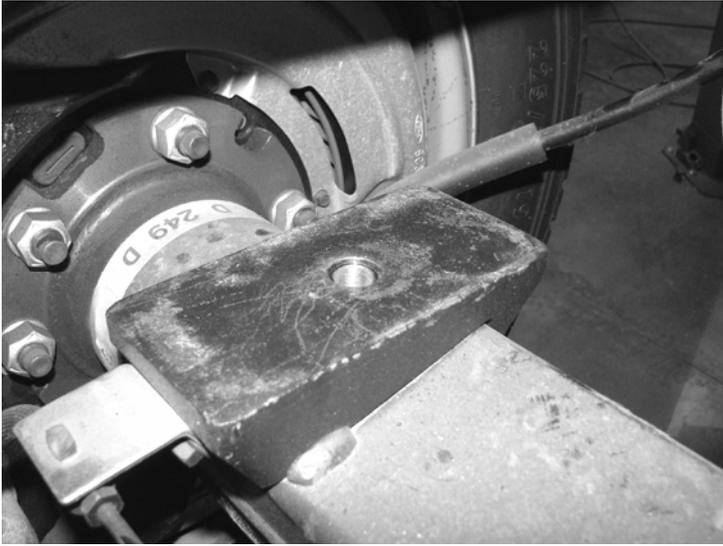
INSTRUCTIONS:

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 remove the rear brake line distribution block & differential vent hose on the driver side rear axle tube, save hardware. Locate FT30365 Rear Brake Line Bracket and attach to the axle tube with the factory hardware, re-attach the diff vent hose. Attach the block the new bracket with the supplied 3/8" hardware. Torque to ** 52 lbs. SEE PHOTOS BELOW.



3. Locate the supplied rear lift blocks. Drill the hole in the top of the block out to 3/4". Insert the supplied FT178 Block Pin Sleeve into the axle perch. Install the provided lift blocks with the short center pin of the block facing down to the axle. Using the supplied u-bolts, nuts, and washers align axle, lift blocks, and springs and torque to U-Bolts to 296lbs. SEE PHOTOS BELOW.



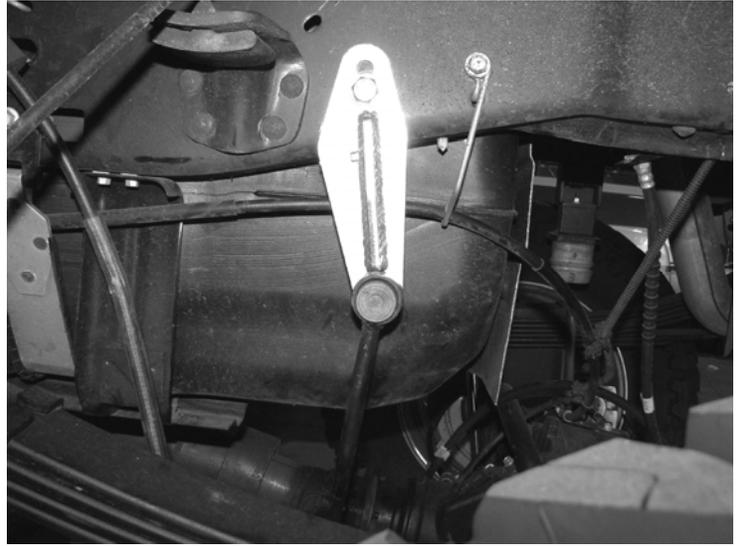
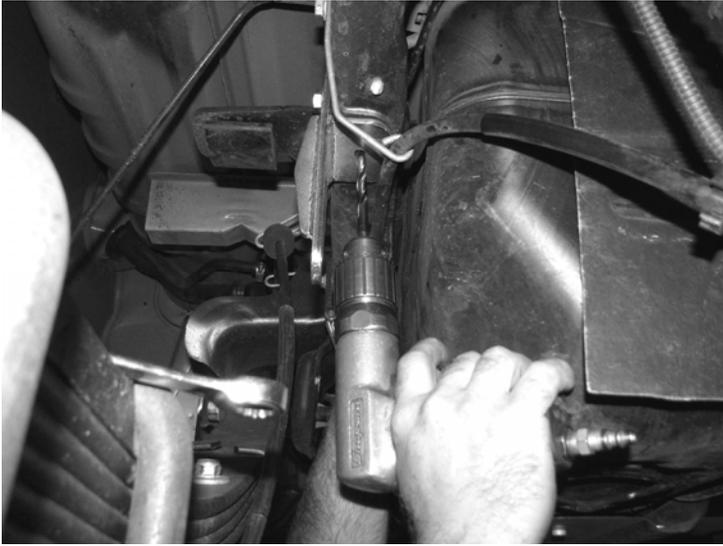
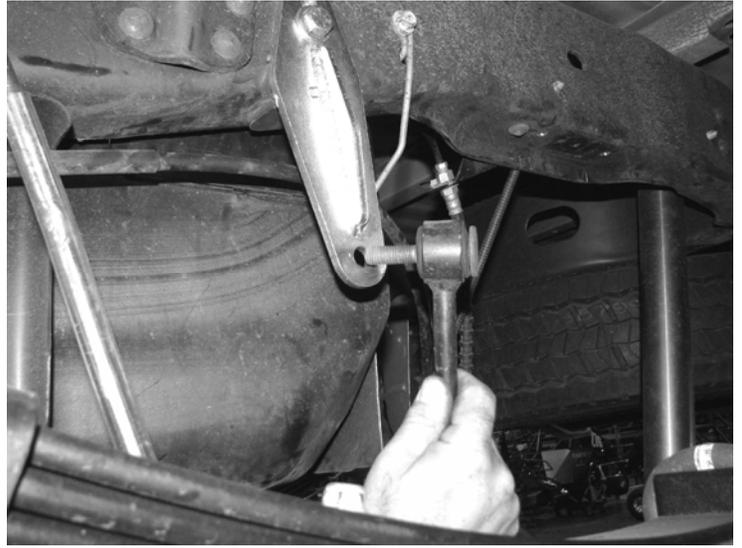


4. Install Fabtech Performance Shocks or Dirt Logic Shocks (not included) with the factory hardware and torque bolts to 65lbs.

COMPLETE STEP FIVE ON MODELS EQUIPPED WITH FACTORY REAR SWAY BAR.

5. Locate the FT30362BK (driver) and FT30363BK (pass) Rear Sway Bar Drop Brackets. Remove the factory sway bar end links from the frame and save the hardware. Place the drop bracket onto the frame so that the hole in the new bracket is aligned with the factory hole (**the shorter end of the bracket goes upward and attaches to the frame**) and attach with the supplied 1/2" hardware, torque to ** 127 ft. lbs. Drill a new 3/8" hole into the bottom of the frame. Use the supplied 3/8" hardware and install the bolts through the bracket into the frame, torque to ** 52ft. lbs. Install the end link into the bottom of the new drop bracket with the factory hardware and torque to ** 50 ft. lbs. SEE PHOTO BELOW.





6. Remove the rear factory bumpstops and save the hardware. Locate FT30364 Rear Bumpstop Extensions and the supplied 3/8" hardware. Attach the factory bumpstop to the new Fabtech extensions with the factory hardware, torque to **52 ft. lbs. Mount the extension to the frame in the factory bumpstop location with the supplied 3/8" hardware, torque to ** 52 ft. lbs. Mark & drill two new 3/8" holes from the extension to the bottom of the frame and attach with the supplied 3/8" hardware, torque to ** 52ft. lbs. SEE PHOTO ON NEXT PAGE.



7. Install FTS419 Drive Shaft Shim Kit per the instructions in the FTS419 box.
8. Recheck all bolts for proper torque. Recheck brake hoses and lines for proper clearances.
9. Install tires and wheels and torque lug nuts to wheel manufacturer's specifications. Turn front tires left to right and check for appropriate tire clearance. **Note-** Some oversized tires may require trimming of the bumper & valance.
10. Check front-end alignment and set to factory specifications. Readjust headlights.
11. Check the front-end alignment and set to the factory specifications.

**** USE THE SUPPLIED THREAD-LOCKING COMPOUND ON ALL HARDWARE.**

S.A.E. Bolt Torque Specification Chart

Grade 5

Grade 8

Metric



Standard

Metric

	Grade 5	Grade 8		Grade 8.8	Grade 10.9
SIZE	ft. lbs.	ft. lbs.	SIZE	ft. lbs.	ft. lbs.
1/4"	10	14	M-6	7	12
5/16"	21	29	M-8	17	29
3/8"	37	52	M-10	35	58
7/16"	59	83	M-12	65	100
1/2"	90	127	M-14	100	160
9/16"	129	184	M-16	150	240
5/8"	179	254	M-18	200	300
3/4"	317	450	M-20	300	400

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.

