



**2009 - 2010 DODGE RAM 2500 & 3500 4 WHEEL DRIVE  
FTS53002 MULTIPLE FRONT SHOCK SYSTEM**



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**PARTS LIST:**

<b>FTS53002 09 Dodge 2500 Dual shock Kit</b>		
<b>Qty</b>	<b>Part #</b>	<b>Description</b>
1	FT44046BK	Upper Mount Driver
1	FT44047BK	Upper Mount Passenger
1	FT44048BK	Lower Mount Driver
1	FT44049BK	Lower Mount Passenger
1	FT44179	Hardware Kit
1	FT44180	Hardware Sub-Assembly

<b>FT44180 Hdwr Sub-Assembly Kit</b>		
<b>Qty</b>	<b>Part #</b>	<b>Description</b>
2	FT44050	Upper Mount Support Ring
2	FT44051	Lower Shock Sleeve W/Tab
2	FT113	Frame Sleeve
2	FT44059	Frame Flag
2	FT90066	20" Limit Strap, Quad Strap
2	FT 44181	Steering Stop
2	FT53002i	Instruction Sheet
2	FT44137	Brake Line Bracket
1	FT44174	Brake Line Bracket Driver
1	FT44175	Brake Line Bracket Passenger
1	FTAS12	Fabtech Sticker
1	FTREGCARD	Registration Card

**HARDWARE LIST:**

<b>FT44179 HARDWARE KIT</b>	
<b>Qty</b>	<b>Description</b>
4	1/2"-13 x 1 1/2" Hex Cap Bolt
4	1/2"-13 C-Lock Nut
8	1/2" SAE Flat Washer
6	1/2"-13 x 1 1/2" Allen Button
6	1/2"-13 C-Lock Nut
6	1/2" SAE Flat Washer
2	1/2"-13 x 6" Hex Cap Bolt
2	1/2"-13 C-Lock Nut
4	1/2" SAE Flat Washer
4	1/2"-13 x 5 1/2" Hex Cap Bolt
4	1/2"-13 C-Lock Nut
6	1/2" SAE Flat Washer
2	1/2" USS Flat Washer
2	1/2"-13 x 1 1/2" Hex Cap Bolt
2	1/2"-13 C-Lock Nut
4	1/2" SAE Flat Washer
2	20mm-1.5mm x 70mm Hex Bolt
2	20mm Flat washer
1	FTLock

**TOOL LIST: (NOT INCLUDED)**

- **FLOOR JACK**
- **JACK STANDS**
- **ASSORTED METRIC AND S.A.E SOCKETS**
- **DRILL WITH 1/4" and 1/2" BITS**

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

**READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION!  
THIS SYSTEM MUST BE INSTALLED WITH THE FABTECH 4 or 6" SUSPENSION SYSTEM. THIS SYSTEM WILL NOT WORK WITH A STOCK HEIGHT TRUCK.**

**THIS SYSTEM IS DESIGNED TO USE FABTECH PERFORMANCE SHOCK FTS7333 OR DIRT LOGIC 2.25 SHOCK FTS80035 RESI OR FTS81035 NON-RESI**

**O.E.M. WHEELS AND TIRES CANNOT BE USED AFTER THE INSTALLATION OF THIS KIT. FABTECH RECOMMEND'S 17 X 8 WHEELS WITH 4 5/8" BACK SPACE AND SIZE 315/70R17 TIRES**

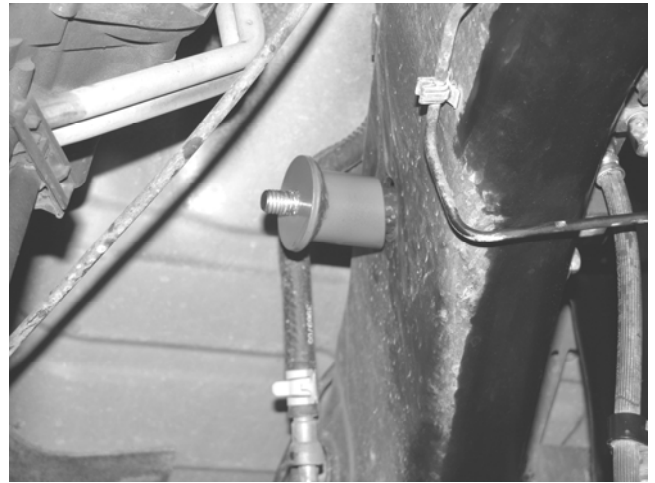
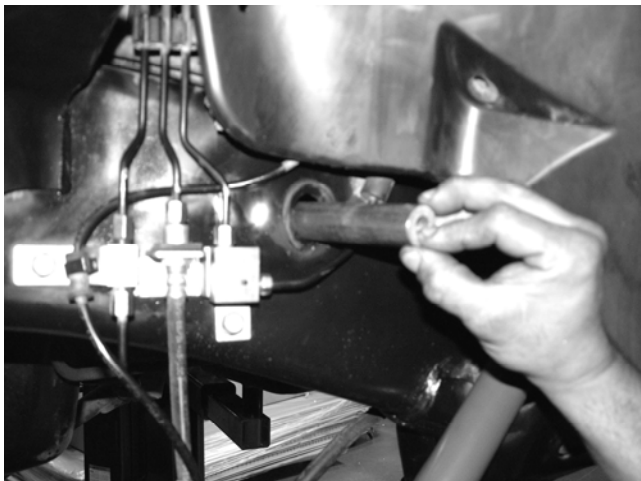
**SYSTEM IS DESIGNED FOR SINGLE REAR WHEEL (SRW) APPLICATIONS ONLY. SYSTEM WILL NOT WORK ON DUAL REAR WHEEL (DRW) APPLICATIONS.**

## INSTRUCTIONS:

1. Disconnect the negative terminal on the battery. Jack up the front end of the truck and support the front frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the front tires.
2. Support the front axle with two floor jacks. Remove the top nuts on the front shocks and the lower bolts securing the shock to the axle. Remove the three nuts securing the upper shock mount cage to the coil spring mount. Remove the front shocks from the truck. Disconnect the front sway bar end links from the sway bar saving the bushings and hardware. Lower the jacks under the front axle and remove the coil springs. Discard the shocks, shock cage and hardware, save the front coils and lower shock hardware. SEE PHOTO BELOW.



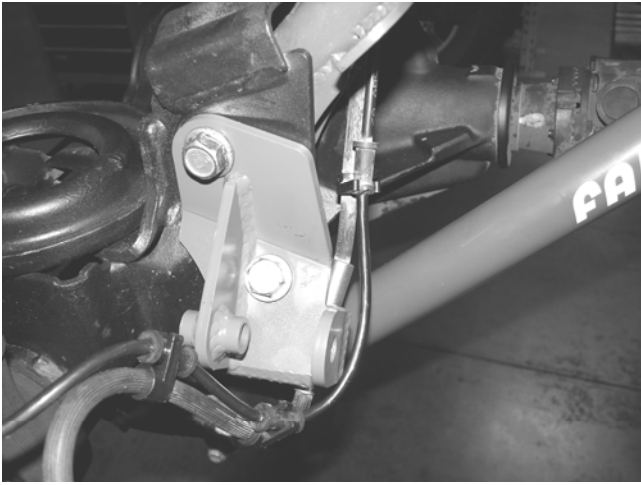
3. Working from the Driver's side, locate FT44046BK Driver Side Shock Hoop, FT113 Frame Sleeve, FT44059 Frame Flag, and the supplied 1/2"-13 x 6" bolt, c-lock nut, and washers. Put the Frame Sleeve into the factory hole in the frame that is just behind the factory coil bucket. Place the 6" bolt and a washer through the leg of the shock hoop and frame sleeve. Place the Frame Flag on the back side of the frame on the bolt. Rotate the Flag so that it is flush against the frame and the bolt remains straight. Place a washer and c-lock nut on the bolt and leave loose at this time. SEE PHOTO BELOW .



4. Place the upper shock mount on top of the coil tower. Locate a FT44050 Upper Mount Support Ring, place it on the bottom side of the upper coil bucket. Locate three of the supplied 1/2"-13 x 1 1/2" Allen Button Head bolts, C-Lock Nuts, and washers (some trucks may require opening of the three holes with a drill and a 1/2" drill bit). Attach the Support Ring and upper shock mount to the coil bucket. Torque all of the hoop bolts to 75 ft-lbs. SEE PHOTO BELOW.



5. Locate FT44048BK Driver Lower Mount. With the axle securely supported, remove the upper arm pivot bolt and save. Remove the brake and ABS line bracket on the bottom of the axle pocket discarding the hardware. Place the FT44048BK bracket on the axle aligning it with the upper pivot bolt. Re-install the pivot bolt leaving loose at this time. Using a drill with a 1/2" bit, drill out the brake line bracket and original hole on the axle. Using the supplied 1/2"-13 x 1 1/2" hardware, re-attach the brake line bracket to the axle bracket. The remaining hole will need to be drilled into the axle bracket. Mark the hole and using a drill with a 1/2" bit, drill the bracket. Use the supplied 1/2"-13 x 1 1/2" hardware and bolt the new bracket to the axle bracket. Torque all the 1/2" hardware to 75 ft - lbs. SEE PHOTO BELOW



8. Locate the FT90066 Limit Straps, FT44051 Lower Shock Sleeves w/ tab, factory lower shock hardware, and supplied  $\frac{1}{2}$ " - 13 x  $1\frac{1}{2}$ " hardware. Working from both sides of the truck, use the  $\frac{1}{2}$ " hardware, attach the limit strap to the bottom of the shock hoop and torque to 75 ft - lbs. Re-install the coil springs back into the truck in the factory location using the original factory upper coil isolator. Using a floor jack raise the front axle enough to compress the front coils approx. 1". Place the FT44051 shock sleeve w/ tab in the factory lower shock mount and put the stock bolt through the Limit Strap. Install it into the front of the factory shock mount and through the FT44051 shock sleeve and back of shock mount. Torque the factory bolt to 75 ft - lbs. SEE PHOTOS ON NEXT PAGE.



6. Locate FT44181 Steering Stop and the supplied 20mm hardware. Remove and discard the lower Brake Caliper Cage bolt. Attach the steering stop to the caliper cage and torque the 18mm bolt to 300 ft lbs. SEE PHOTO BELOW.



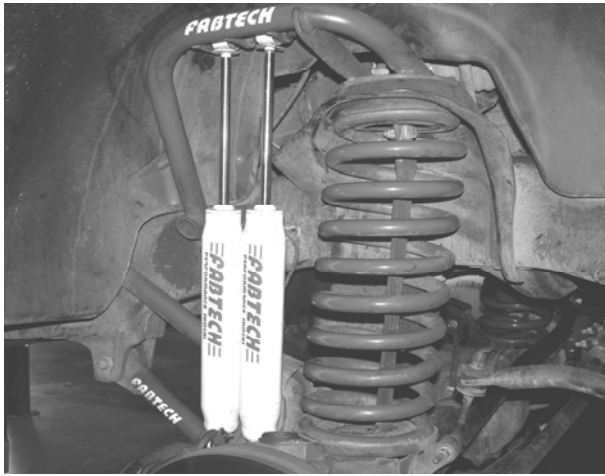
Picture shown with allen bolt for picture only

7. Repeat steps three through six on the passenger side of the truck.

9. Locate the selected Fabtech front shocks and install onto the truck use the supplied  $\frac{1}{2}$ " - 13 x  $5\frac{1}{2}$ " bolts, SAE + USS Large flat washers, and C-lock nuts. Torque the bolts to 75 ft - lbs. If you are installing Fabtech Performance shocks, the body of the shock must be mounted down with shafts of the shocks mounted at the hoop. The large USS washer must also be used with the Performance shock. It will be installed against the bottom front shock. If installing Fabtech Dirt Logic shocks, the body of the shock mounts up w/ reservoir line coming from the rear. Reconnect the factory sway bar to the end links. Tighten the nut until the bushings start to bulge. SEE PHOTOS BELOW.



10. Reinstall the front tires and torque lug nuts to factory specifications. The factory torque specifications can be found in your owner's manual. Set the truck back onto the ground. Reconnect the negative terminal on the battery. **WHILE TURNING THE STEERING WHEEL FULLY IN EACH DIRECTION, MAKE SURE THERE IS AMPLE CLEARANCE BETWEEN THE WHEELS, TIRES, LINK ARMS, BRAKE LINES AND ABS WIRES.**



**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 supersede, 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.