INSTALLATION INSTRUCTIONS

	FTS24130	3” SHORT ARM BOX KIT
1	FT50296BK	REAR TRACK BAR BRACKET
1	FT50438BK	REAR TRACK BAR SUPPORT BRACKET
2	FT50261BK	FRONT SWAY BAR END LINK
1	FT50505	HARDWARE SUBASSEMBLY
2	FT50492	FRONT BUMP STOP SPACER
2	FT50724	REAR BUMP STOP SPACER

	FT50505	HARDWARE SUBASSEMBLY
1	FT157	SLEEVE 1.000 X .563 X 1.570
2	FT741U	UBOLT RD 1/2-20 X 3.56 X 4.25”
1	FT50048	SWAY BAR END LINK BUSHINGS
1	FT50089	SWAY BAR END LINK SLEEVES
2	FT50060	FRONT BUMP STOP NUT TAB
1	FT50451	BRAKE LINE PAIR (FRONT)
1	FT50452	BRAKE LINE PAIR (REAR)
1	FT50298	E-BRAKE BRACKET
1	FT50515	HARDWARE KIT
1	FT24130i	INSTRUCTIONS
1	FTLUBE	URETHANE LUBE PACKET
1	FTAS12	STICKER FT BLUE 10X4
1	FTAS16	DRIVER WARNING DECAL
1	FTREGCARD	REGISTRATION CARD

	FT50515 - HARDWARE KIT	LOCATION
2	9/16-12 X 3-1/4 HEX BOLT G8 ZC	REAR TRACK BAR
2	C-LOCK NUT 9/16”-12 CLEAR ZINC	
4	9/16 SAE WASHER G8 ZINC	
2	1/2-13 X 3-3/4 HEX BOLT G8 ZINC	FRONT BUMP STOP
8	1/2-20 C-LOCK NUT ZINC	
12	1/2 SAE WASHER G8 ZINC	
2	1/2-13 X 2-3/4 HEX BOLT G8 ZNC	SWAY BAR END LINKS
2	3/8-16 X 1 HEX BOLT G8 ZINC	REAR TRACK BAR
2	3/8-16 C-LOCK NUT ZINC	
4	3/8 SAE WASHER G8 ZINC	
4	5/16-18 X 1 HEX BOLT G8 ZINC	REAR BUMP STOP
4	5/16-18 C-LOCK NUT ZINC	
8	5/16 SAE WASHER G8 ZINC	
6	1/4-20 X 3/4 HEX BOLT G5 ZINC	BRAKE LINES
6	1/4-20 C-LOCK NUT ZINC	
12	1/4 SAE WASHER G5 ZINC	
4	CLAMP 3/8X1/2W .26THK NEOPRENE	
4	BRAKE LINE SPRING	
4	1/2” TEK SCREW	
1	THREAD LOCKING COMPOUND	

2007-18 JEEP WRANGLER (JK)
3” SHORT ARM BOX KIT

FT24130i

Fabtech Motorsports | 4331 Eucalyptus Ave. Chino, CA 91710

Tech Line: 909-597-7800 | **Fax:** 909-597-7185 | **Web:** www.fabtechmotorsports.com

- TOOL LIST -

Required Tools (Not Included)

Basic Hand Tools
Floor Jack
Jack Stands
Assorted Metric and S.A.E sockets, and Allen wrenches
Torque Wrench
Drill w/ assorted drill bits

NOTE: REFER TO OPTIONAL KIT BOX INSTRUCTIONS PRIOR TO INSTALLATION.

- PRE-INSTALLATION NOTES -

For technical assistance call: **909-597-7800** or e-mail: **info@fabtechmotorsports.com**

READ THIS BEFORE YOU BEGIN INSTALLATION -

Check all parts to the parts list above before beginning installation. If any parts are missing contact Fabtech at 909-597-7800 and a replacement part will be sent to you immediately.

Read all instructions thoroughly from start to finish before beginning the installation. If these instructions are not properly followed severe frame, driveline and / or suspension damage may occur.

Check your local city and state laws prior to the installation of this system for legality. Do not install if not legal in your area.

Prior to the installation of this suspension system perform a front end alignment and record. Do not install this system if the vehicle alignment is not within factory specifications. Check for frame and suspension damage prior to installation.

The installation of this suspension system should be performed by two professional mechanics.

This suspension must be installed with Fabtech shock absorbers.

Use the provided thread locking compound on all hardware.

WARNING- Installation of this system will alter the center of gravity of the vehicle and may increase roll over as compared to stock.

Vehicles that receive oversized tires should check ball joints, uniballs, tie rods ends, pitman arm and idler arm every 2500-5000 miles for wear and replace as needed.

Verify differential fluid is at manufactures recommended level prior to kit installation. Installation of the kit will reposition the differential and the fill plug hole may be in a different position. (For example, if the manufacture recommends 3 quarts of fluid, make sure the diff has 3 quarts of fluid). Check your specific manual for correct amount of fluid.

FOOTNOTES -

- For heavy offroad use, front driveshaft is required. Order FTS94057
- For heavy offroad use, rear driveshaft is required. See a quality driveline supplier to order

- INSTRUCTIONS -

FRONT SUSPENSION

1. Disconnect the negative terminal on the battery. Jack up the front end of the truck and support the frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the front tires.

2. Refer to coil spring instructions for disassembly of end links, coil springs and other components.

3. Place the new FT50492 (Front bumpstop) onto the factory bumpstop pad. Using a center punch mark for drilling. **SEE FIGURE 1**

FIGURE 1 - STEP 3

4. Drill out the bumpstop pad to 1/2”. **SEE FIGURE 2**

FIGURE 2 - STEP 4

5. Repeat steps 3-4 on passenger side.

6. Install the new coils and bumpstops together using the supplied 1/2-13 X 3-3/4” bolts and FT50060 (Nut Tab). **SEE FIGURES 3-5** Torque to 127 ft-lbs

FIGURE 3 - STEP 6

FIGURE 4 - STEP 6

FIGURE 5 - STEP 6

7. Install the bushings and sleeve into the new Fabtech sway bar endlinks. Install using the supplied 1/2-20 X 2-3/4” bolt and hardware for the upper mount and the factory hardware for the lower mount. Torque to 127 ft-lbs **SEE FIGURE 6**

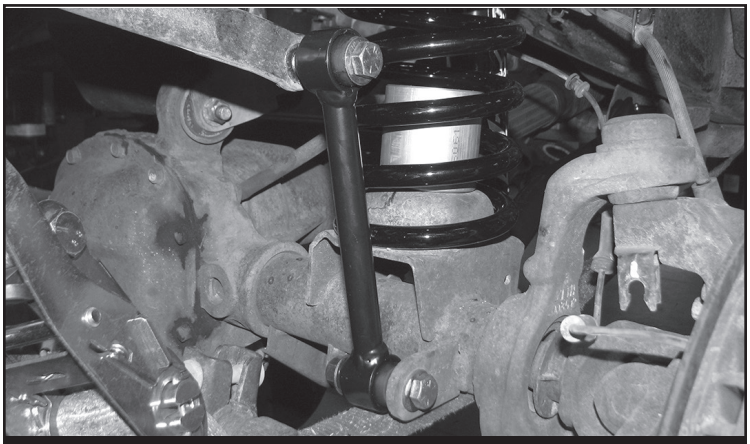

FIGURE 6 - STEP 7

REAR SUSPENSION

8. Locate FT50296BK (Rear Trac Bar Bracket), position it onto the top of the axle and track bar mount. Use the factory bolt to align the new bracket to the original mount. Use a punch and mark the factory mount through the two holes in the new bracket. Use a drill with a 3/8” bit and drill the two new holes. Locate and install the supplied 3/8” hardware. Torque to 52 ft-lbs **SEE FIGURES 7-10**

FIGURE 7 - STEP 8

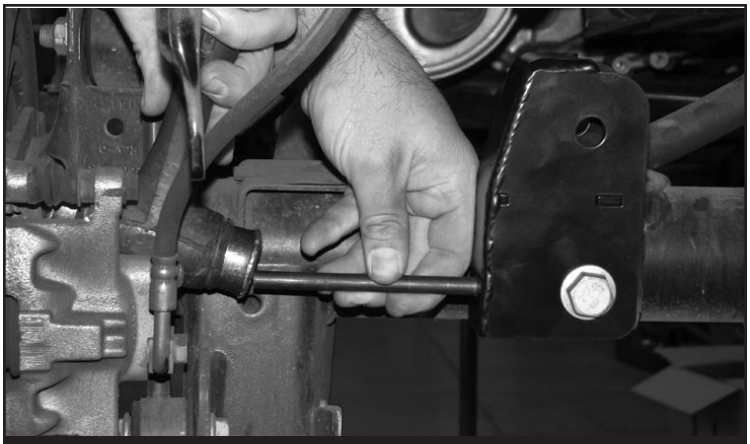

FIGURE 8 - STEP 8

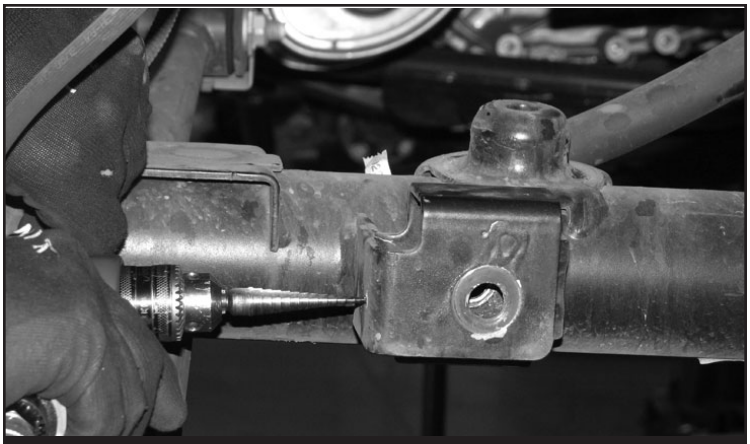

FIGURE 9 - STEP 8

FIGURE 10 - STEP 8

9. Install FT50438BK (Rear Track Bar Support) using the supplied (2) 9/16-12 X 3-1/4” bolts and hardware. Leave loose. **NOTE: Install the lower bolt first using the FT157 sleeve. SEE FIGURE 11**

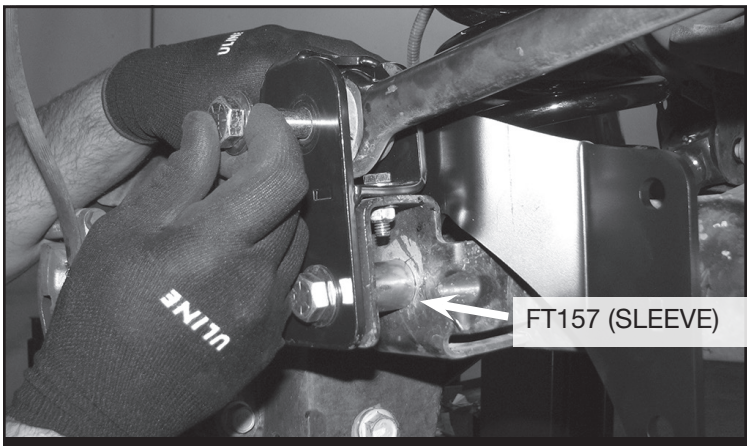

FIGURE 11 - STEP 9

10. Install the FT741U (Ubolts) using the supplied 1/2” washers and nuts. **SEE FIGURES 12-13** Torque the 1/2” hardware to 75 ft-lbs and the 9/16” hardware to 184 ft-lbs.

FIGURE 12 - STEP 10

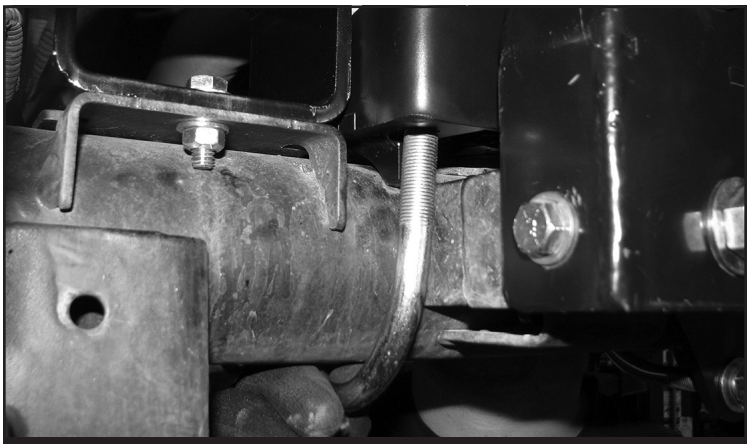

FIGURE 13 - STEP 10

11. Locate and install FT50724 (Rear Bumpstop Spacer) using the supplied 5/16” hardware. Torque to 29 ft-lbs. **SEE FIGURE 14**

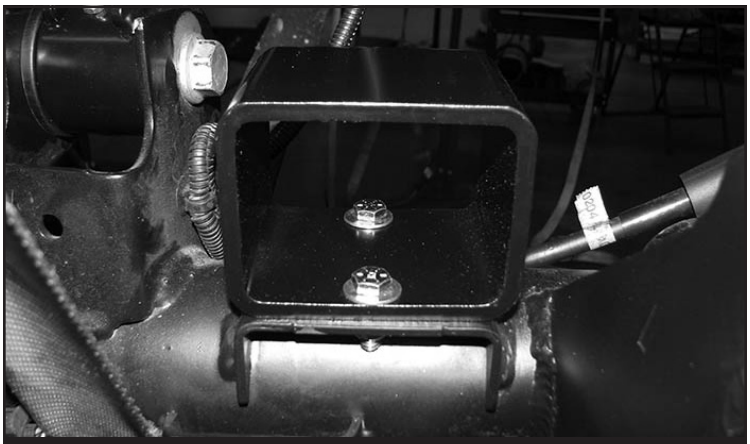

FIGURE 14 - STEP 11

12. Locate FT50298 (E-Brake bracket) and (2) 1/4”-20 X 3/4” bolts and hardware. Disconnect the factory E-brake from the vehicle and install the FT50298 using the factory nuts. **SEE FIGURE 15.** Next, install the brake line hinge to the new bracket using the supplied 1/4” hardware. Torque to 14 ft-lbs. **SEE FIGURE 16**

FIGURE 15 - STEP 12

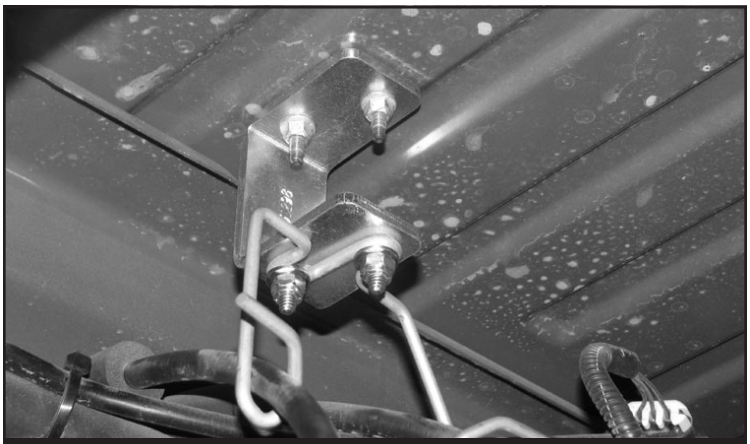

FIGURE 16 - STEP 12

-BRAKE LINE INSTALLATION-

1. Remove the factory brake line at the frame and at the brake caliper. **SEE FIGURE 17-18**

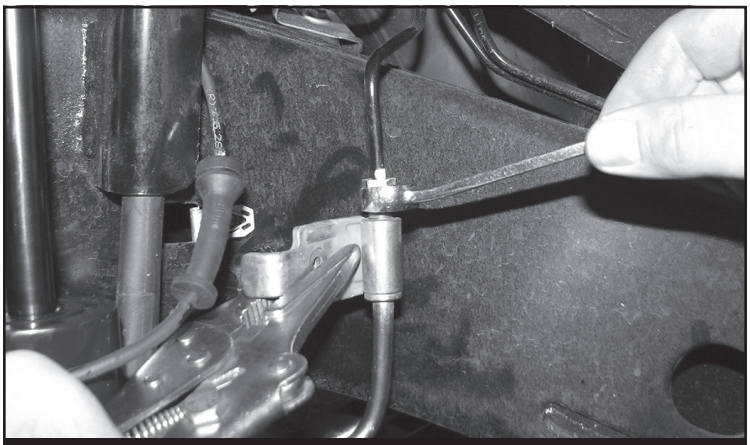

FIGURE 17 - STEP 1

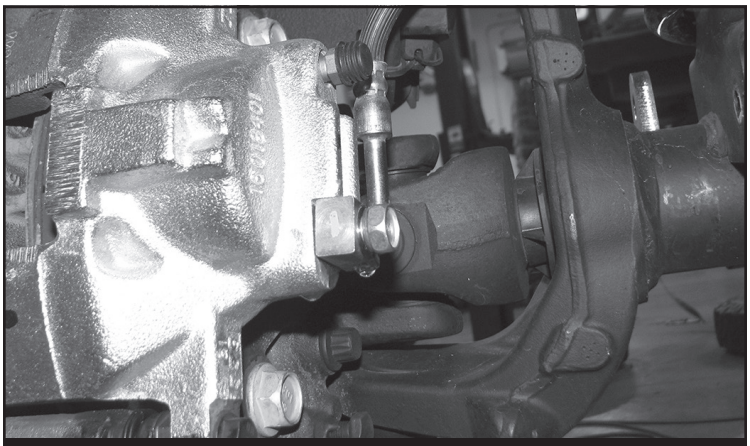

FIGURE 18 - STEP 1

2. Install the supplied brake line bracket in the factory location using the factory bolt. **SEE FIGURE 19**

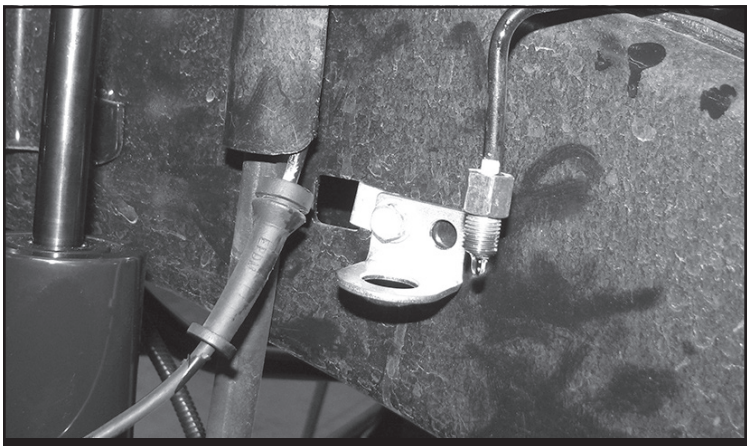

FIGURE 19 - STEP 2

3. Insert the new brake line fitting through the bracket and install onto the factory brake hard-line. Next, install the supplied u-clip to secure the line to the bracket. **SEE FIGURE 20**

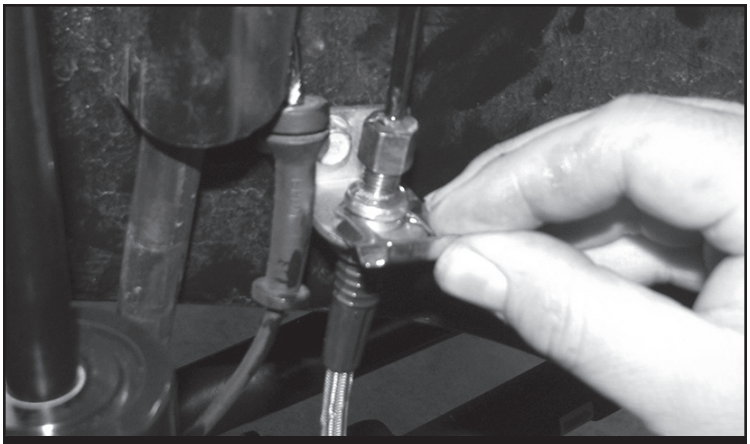

FIGURE 20 - STEP 3

4. Using the factory brake line bolt install the new supplied crush washers and install to the brake caliper. **SEE FIGURES 21-22**

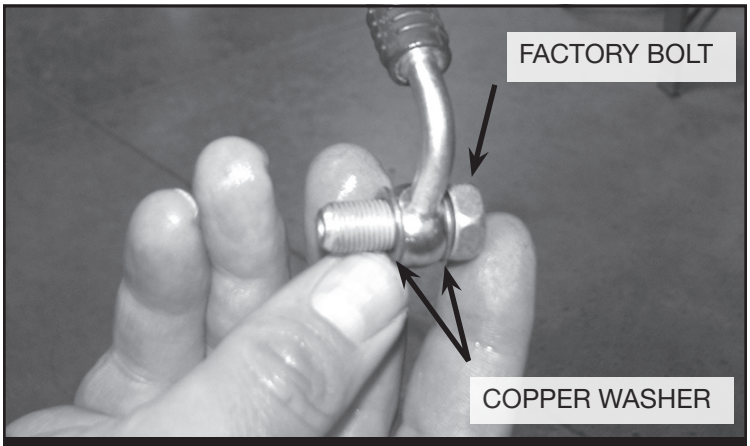

FIGURE 21 - STEP 4

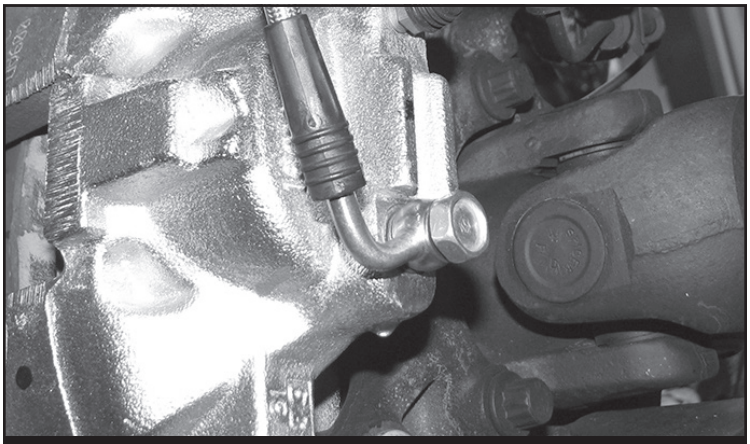

FIGURE 22 - STEP 3

5. Locate the supplied cushioned clamps, 1/4” X 1” bolts, washers, nuts, TEK screws and springs. Install the clamp around the brake using the 1/4” hardware. **NOTE: Install the eyelet of the spring between the clamp and washer. SEE FIGURE 23**

FIGURE 23 - STEP 5

6. Mount the opposite end of the spring to the frame using the supplied TEK screw and washer. **SEE FIGURE 24**

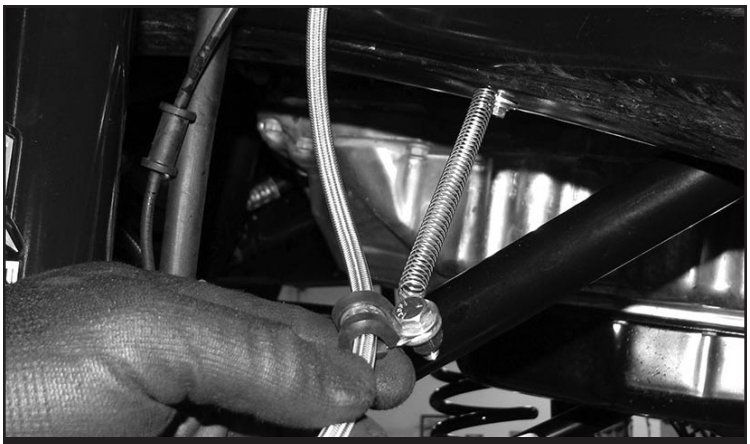

FIGURE 24 - STEP 6

7. Repeat steps 1-6 on other (3) brake lines.
8. Bleed brakes per manufacturers specifications.
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 front bumper & valance.**
10. Check front end alignment and set to factory specifications. Readjust headlights.
11. Recheck all bolts for proper torque.
12. Recheck brake hoses, ABS wires and suspension parts for proper tire clearance while turning tires fully left to right.
13. Check the fluid in the front and rear differential and fill if needed with factory specification differential oil. **Note - some differentials may expel fluid after filling and driving. This can be normal in resetting the fluid level with the new position of the differential/s.**
14. Install Driver Warning Decal. Complete product registration card and mail to Fabtech in order to receive future safety and technical bulletins on this suspension.

Vehicles that will receive oversized tires should check ball joints, uniballs and all steering components every 2500-5000 miles for wear and replace as required.

RE-TORQUE 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 and driveshafts. 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.

Dirt Logic and Performance Coilover 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, powder coating, 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 on the website, but due to unknown auto manufacturer's 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 website 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 is not responsible for premature wear of factory components due to the installation of oversized tires and wheels.

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 on our website. 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.

Depending on the condition of the factory suspension components retained after the installation of a Fabtech suspension not all vehicles may have the same ride stance front to rear as described in the website. The blue color of suspension components shown in all Fabtech photographs are for display purposes only. Majority of all Fabtech components will be black specifically where noted with part numbers ending in BK.

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. Some state laws may prohibit modification of suspension to a vehicle in whole or in part. It is the responsibility of the installer and consumer to consult local laws prior to the installation of any Fabtech suspension product to comply with such written laws.

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 super cede, 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 website or price sheet. For the most recent Product Warranty and Warnings visit our website www.fabtechmotorsports.com