



FTS26077 2.5" Dirt Logic SS Coilover w/ Resi		
1	FT820542D	DLSS Coilover w/ Resi (Driver)
1	FT820542P	DLSS Coilover w/ Resi (Pass)
2	FT70239	RESI MOUNT
2	FT833121	UPPER COILOVER MOUNT
1	FT86091	HARDWARE KIT 91
1	FT86092	HARDWARE KIT 92
1	FT820152i	INSTRUCTIONS

FT86092 Hardware Kit 92		
2	FT83102	Misalignment spacer - Large
2	FT83103	Misalignment spacer - Small
4	FT83313	Spacer
2	FT70148	Sway Bar Drop
2	FT70235	Bump Stop Extension
1	FTAS12	Sticker
1	FTAS16	Driver Warning Decal
1	FTREGCARD	Registration Card

FT86091 Hardware Kit		
4	5/16-18 X 1" HEX BOLT	
10	3/8" SAE WASHER	
10	3/8" LOCK WASHER	
10	3/8-16 X 1" HEX BOLT	
2	1/2-13 X 2-1/4" BOLT	
4	#48 HOSE CLAMP	
1	THREAD LOCKING COMPOUND	

Thank you for purchasing Dirt Logic shocks, the finest off-road shock in the industry. Each unit is built to exacting standards and is properly tuned specifically for your vehicle. Dirt Logic shocks are designed and built to both beautify and upgrade your suspension system.

How To Care For Your Dirt Logic Shocks

Dirt Logic shocks have been designed as a take apart, serviceable, race style unit. That means, just like a race shock, it will need to be maintained and periodically rebuilt. The tight tolerances of this provide the exceptional ride and performance you are paying for but do require maintenance which is normal in a take apart shock like a Dirt Logic.

Externally, the shock should be kept clean at all times and kept free of dirt, road salt or other corrosive elements. The unit should be routinely washed with a pH balanced cleaner to keep the finish looking new. Do not use any abrasive or aggressive cleaners or degreasers as it will harm the finish for life including the aluminum anodizing.

Internally, the shock has high performance seals that allow the shock to cycle at very high rates and provide exceptional damping in aggressive off-road conditions. These seals are a wearable item and may need to be replaced periodically to keep the shock functioning correctly. Our in house Shock Lab is equipped to handle these needs when necessary.

Caution – Read Before Installing

Stop – Call FABTECH customer service if any component of this product is missing. Do not return it to the place of purchase! For technical assistance call: 909-597-7800

This Dirt Logic Shock is shipped pressurized with Nitrogen. Do not remove tamper cap or warranty will be void.

If this shock is equipped with a reservoir hose, do not loosen or remove the hose or warranty will be void.

If this shock is equipped with a coil, be aware that the coil has some amount of preload from the factory and should not be removed. Removal of the coil will void the warranty.

If this shock product needs to be returned for any reason, it must be returned in its original packaging or warranty will be void.

Dirt Logic Shocks come with a one year warranty from the original date of purchase for defects in material or workmanship.

A spanner wrench can be purchased for future adjustment. (FTS89905 for 4.0 and FTS98008 for 2.5)

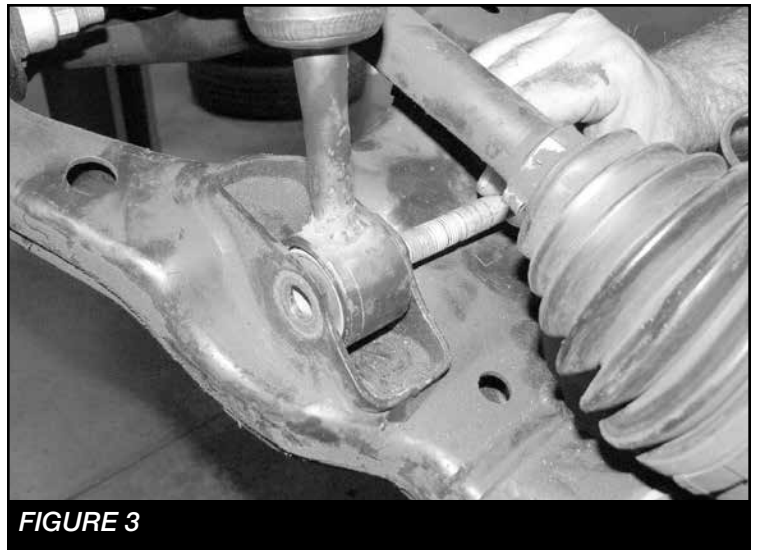
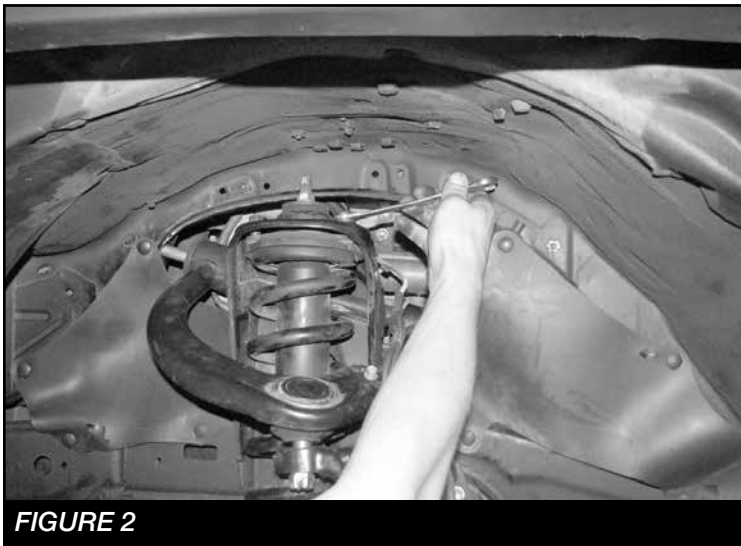
Should you have any questions regarding your Dirt Logic Shocks, please feel free to contact us.

- INSTRUCTIONS -

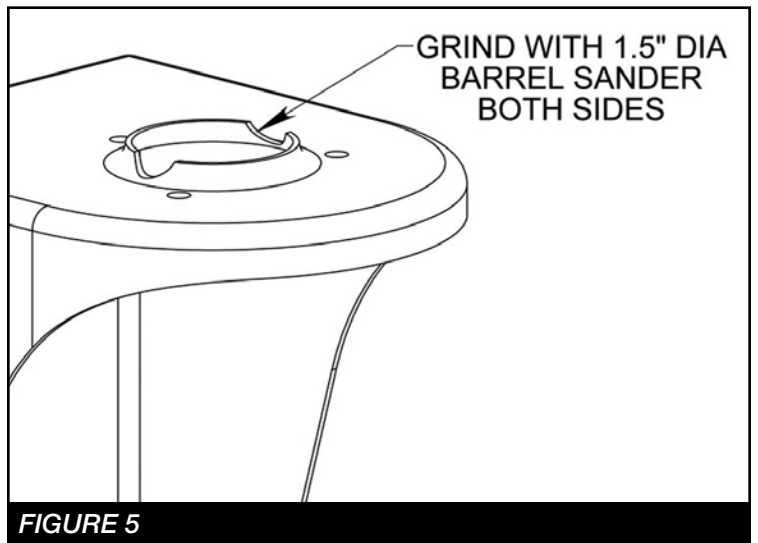
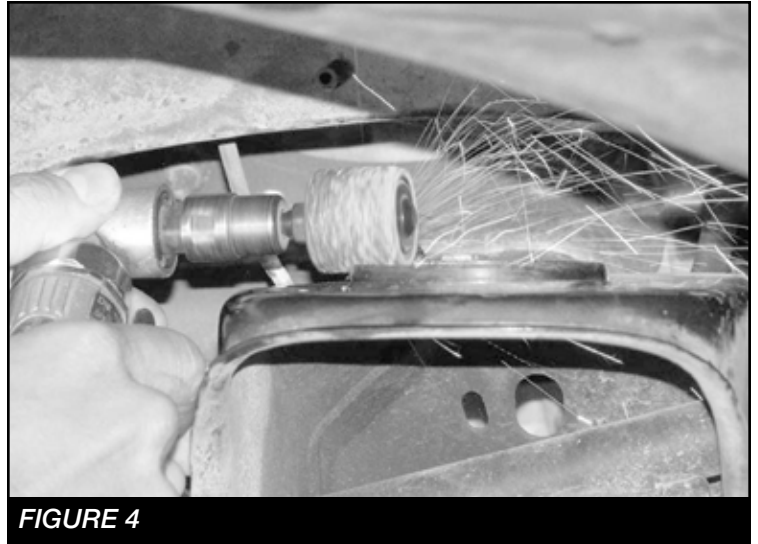
1. Disconnect the negative terminal on the battery. Jack up the front end of the truck and support the frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the front tires.
2. Starting on the drivers side remove the upper ball joint nut. Disconnect the upper ball joint from the knuckle by striking the knuckle with a large hammer next to the upper ball joint on the knuckle to dislodge the ball joints. Use care not to hit the ball joints when removing.
3. Remove the upper control arm and retain the factory hardware. **SEE FIGURE 1**



4. Support the lower A-Arm with a floor jack. Remove the three upper nuts from the top of the shock assembly then the lower bolt from the shock at the lower control arm. Save the hardware. **SEE FIGURES 2-3**



5. Using 1-1/2" Barrel sander, sand a small notch in the lip at the top of the bucket. The radius should be on both sides of the bucket parallel to the front of the bucket. This radius is to add clearance the shock pivot bolt. **SEE FIGURES 4-5**



6. Locate FT825252 or FT820252 Dirt Logic 2.5 Coilover, FT833121 upper mount and supplied 3/8" hardware. Install Coilover FT833121 upper mount inside the factory coilover bucket using the supplied 3/8" hardware and torque 37 FT-LBS. **SEE FIGURES 6-7**

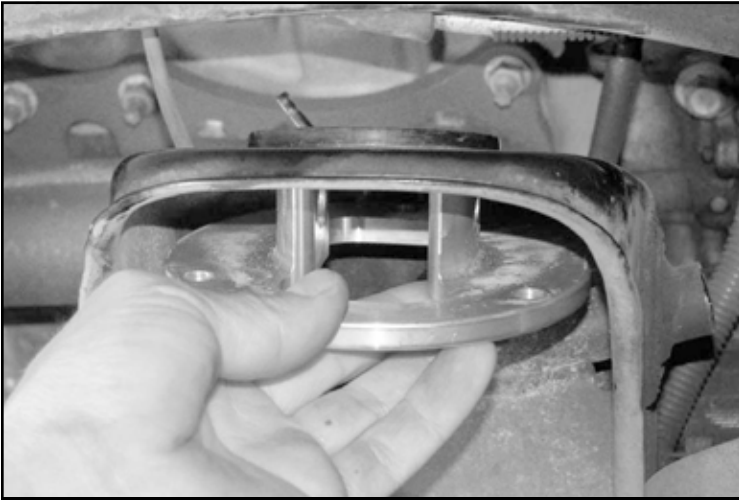


FIGURE 6

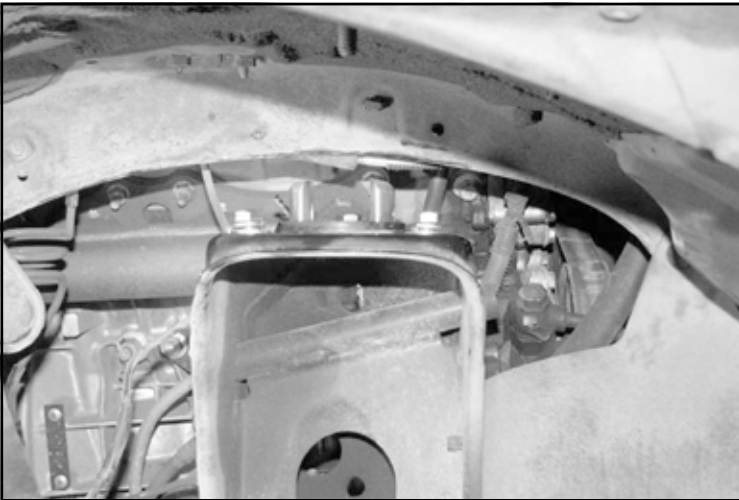


FIGURE 7

7. Install the FT825252 or FT820252 Coilover into the new upper mount using the 1/2-13 x 2-1/4 bolt from the shock hardware. Torque 90 FT-LBS. **SEE FIGURES 8-10**

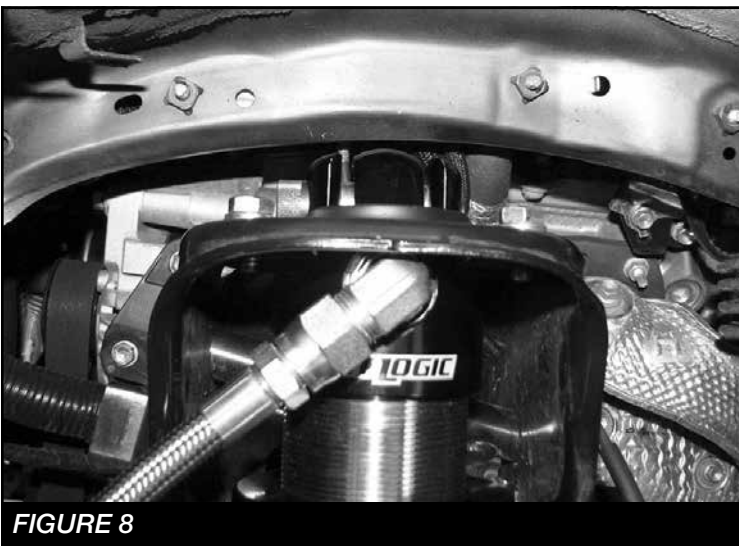


FIGURE 8

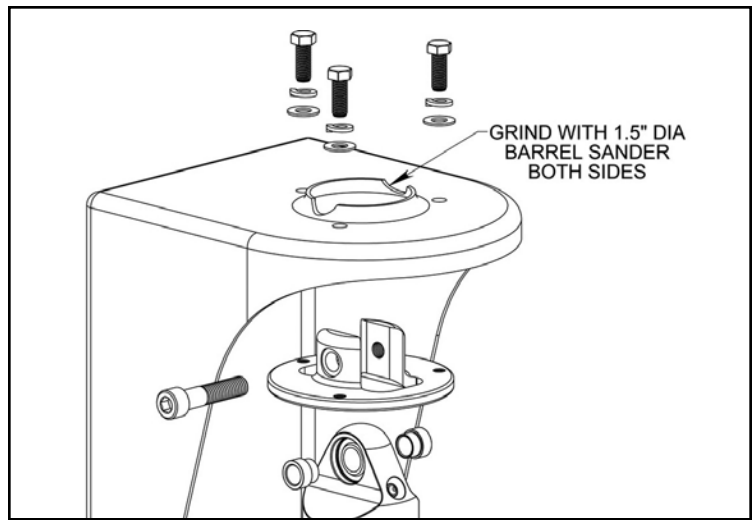


FIGURE 9

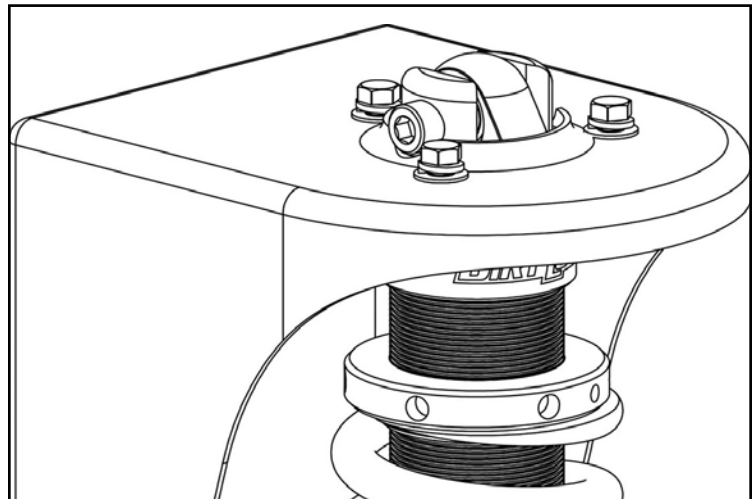


FIGURE 10

8. Install the rod end at the bottom of the shock into the lower control arm with the larger misalignment to the front of the Vehicle. Reinstall the factory bolt into the lower mount. Torque 100 FT-LBS. **SEE FIGURE 11**



FIGURE 11

9. Repeat steps 2-8 on the passenger side.

10. IF INSTALLING FABTECH UPPER CONTROL ARMS, DO SO NOW WITH THE INSTRUCTIONS PROVIDED. OTHERWISE CONTINUE WITH THE NEXT STEP.

11. Reinstall the factory upper control arm using the factory hardware. Re attach the control arm to the knuckle. Torque the control arm pocket bolts to 120 ft-lbs. and the ball joint to 59 ft-lbs.

12. Locate and install FT70239 (Resi Mount) to the frame as well as the Resi can to the mount using the clamps like shown in **FIGURES 12-13** using the supplied self tapping screws. **NOTE: Trimming of the plastic inner fender liner may be necessary.**



FIGURE 12

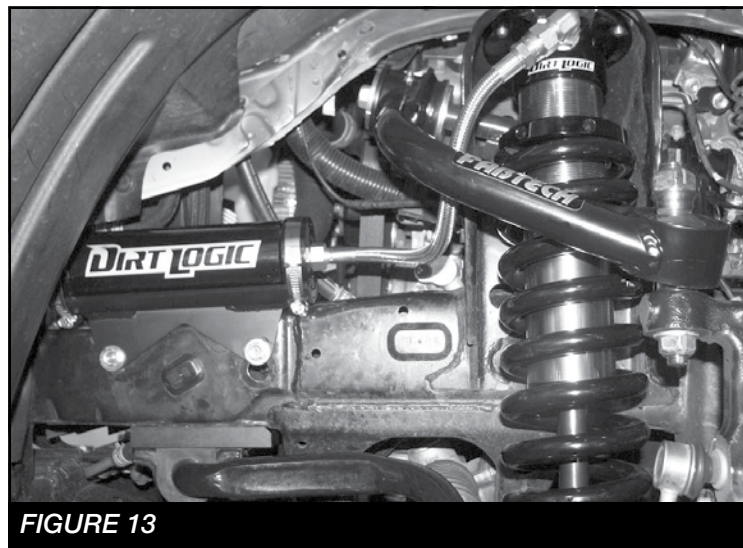


FIGURE 13

13. Remove the sway bar at the frame mounts. Locate FT70166 sway bar re-locators, and install into factory sway bar location, using the factory hardware. The chamfered edge goes up & toward the rear of the vehicle. Re-install sway bar onto the new mounting plate using the supplied 3/8" hex bolt, lock washer, and washer. Tighten to 52 FT-LBS. **SEE FIGURES 14-16**

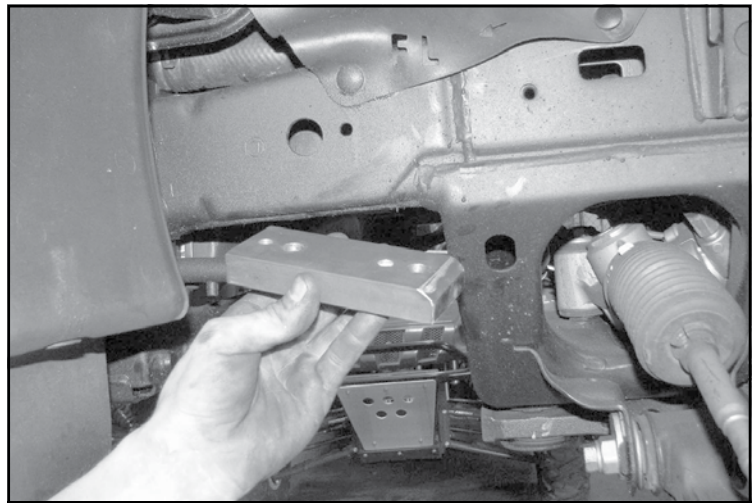


FIGURE 14

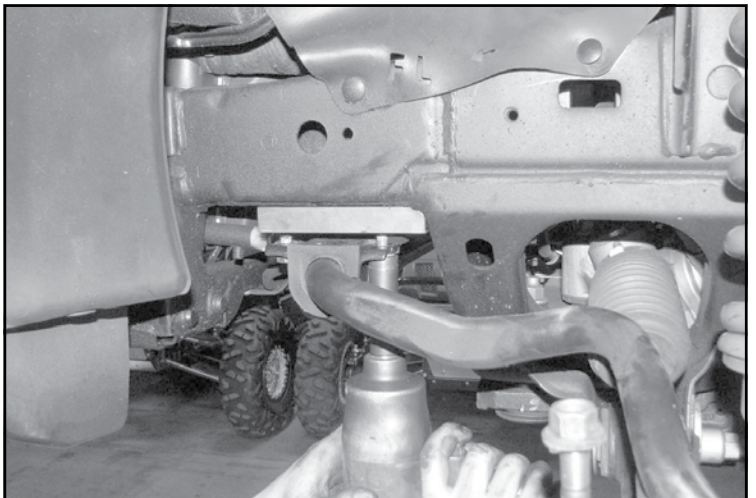


FIGURE 15

14. Remove the factory bumpstop and cut 5/8" of threads off the end. **SEE FIGURE 16-17.** Install FT70235 (bumpstop extension) onto the factory bumpstop then install into the factory location on the vehicle. **SEE FIGURE 18.**

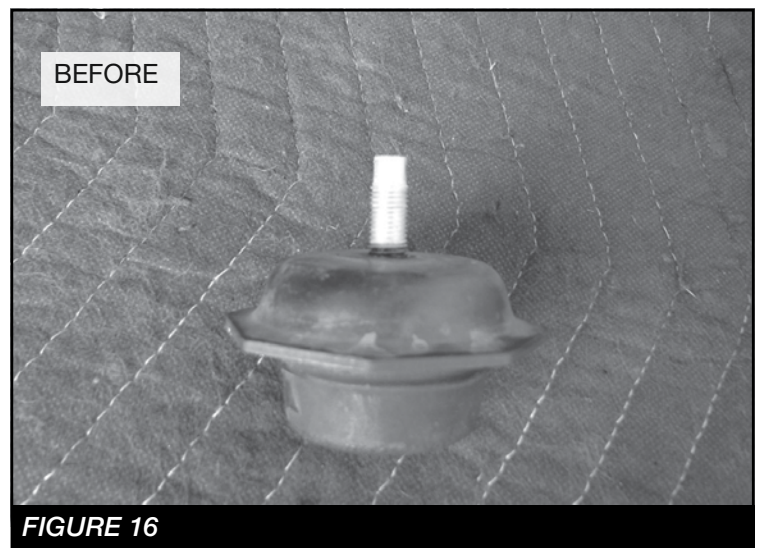


FIGURE 16

AFTER



FIGURE 17

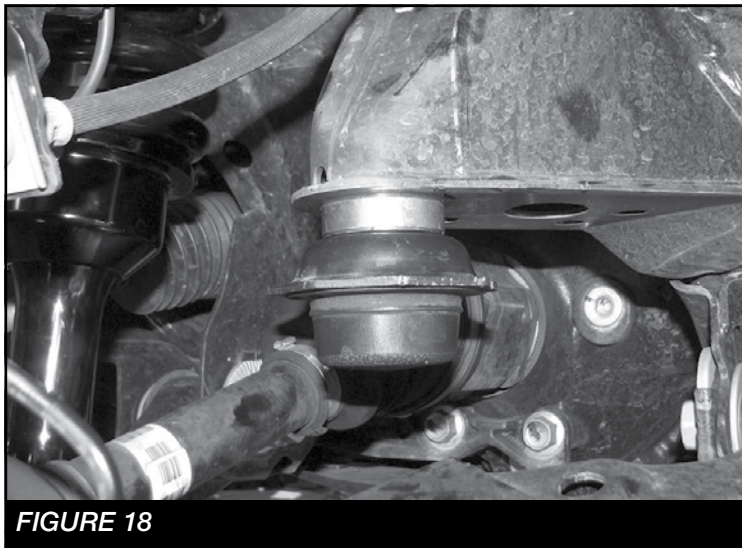


FIGURE 18

15. 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.**
16. Check front end alignment and set to factory specifications. Readjust headlights.
17. Recheck all bolts for proper torque.
18. Recheck brake hoses, ABS wires and suspension parts for proper tire clearance while turning tires fully left to right.

19. 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.**
20. 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 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 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.