



INSTALLATION INSTRUCTIONS

FTL5207 1.5" FORD F-150 4WD		
2	FT30612	SHOCK SPACER
1	FT30597	HARDWARE KIT
1	FT5207i	INSTRUCTIONS
1	FTAS12	STICKER BLUE 10X4 DIE CUT
1	FTAS16	DRIVER WARNING DECAL
1	FTREGCARD	REGISTRATION CARD

FT30597 - HARDWARE KIT		LOCATION
6	3/8-24 X 1HEX BOLT G8 ZINC	
6	3/8 SAE WASHER G8 ZINC	
6	3/8 LOCK WASHER ZINC	
6	10MM-1.5 C-LOCK	
1	THREAD LOCKING COMPOUND	

2015-2020 FORD F-150 2WD/4WD (See Page 3)

2021-2023 FORD F-150 4WD (See Page 6)

1.5" LEVELING KIT

FTL5207

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
Cut-off wheel

- 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:

- Some models may not sit level after install
- Does not fit models equipped with CCD (Continuously Controlled Damping) system
- Does not fit vehicles equipped with Ford Onboard Scale System
- Does not fit vehicles equipped with Tremor Off-Road package

- 2015-2020 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. Loosen the upper ball joint nut and carefully strike the knuckle with a hammer until it comes loose from the control arm. Save hardware. **SEE FIGURE 1**



FIGURE 1 - STEP 2

3. Loosen the tie rod nut and carefully strike the knuckle with a hammer until it comes loose. Save hardware. **SEE FIGURE 2**

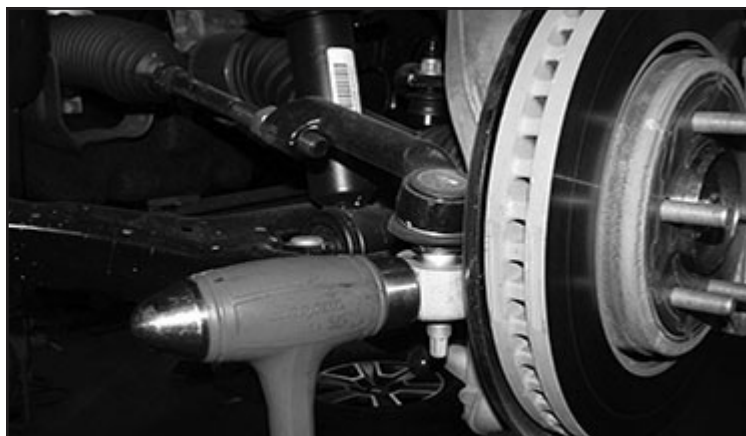


FIGURE 2 - STEP 3

4. Disconnect the factory sway bar end link. Save hardware. **SEE FIGURE 3**



FIGURE 3 - STEP 4

5. Remove the lower coilover nuts. Save hardware. **SEE FIGURE 4**



FIGURE 4 - STEP 5

6. Remove the three nuts attaching the coilover to the upper mount and remove the factory coilover. **SEE FIGURE 5**



FIGURE 5 - STEP 6

7. Locate the factory coilover. Measure and mark 5/8" from the base of the factory studs. Using a cut-off wheel, cut the excess end of the studs off. **SEE FIGURE 6-7**

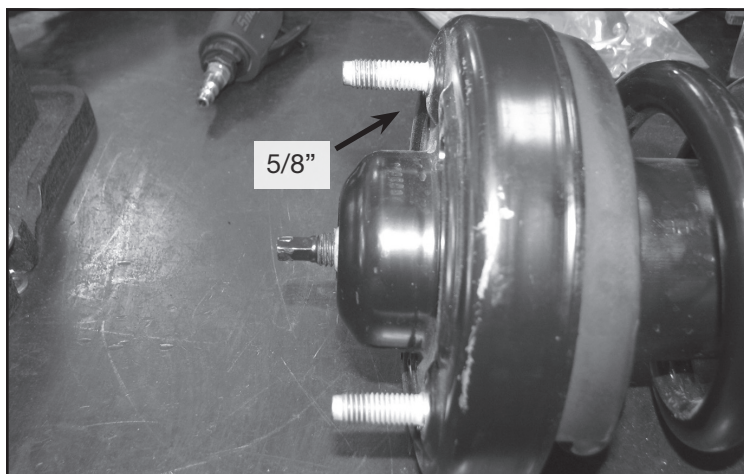


FIGURE 6 - STEP 7

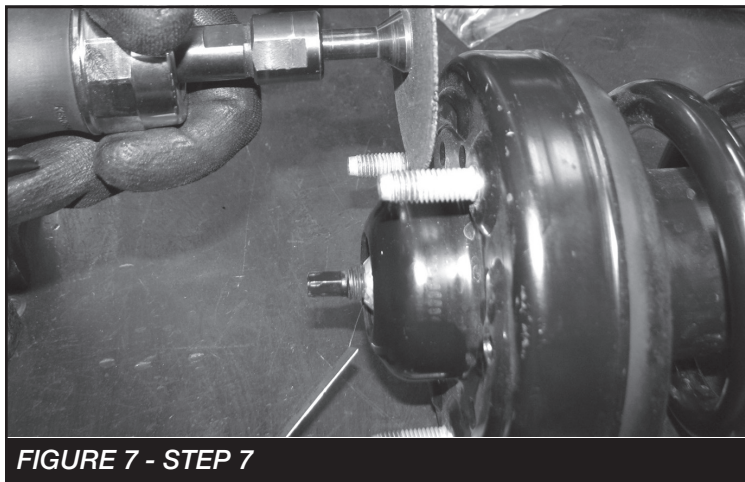


FIGURE 7 - STEP 7

8. Locate the FT30612 (shock spacer) and 10mm c-lock nuts. Install the FT30612 on the factory coilover. Torque to 58 ft-lbs. **SEE FIGURE 8-9**

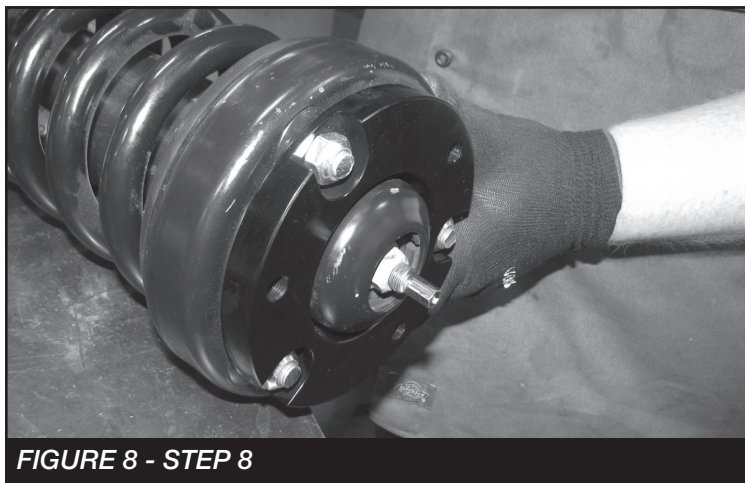


FIGURE 8 - STEP 8

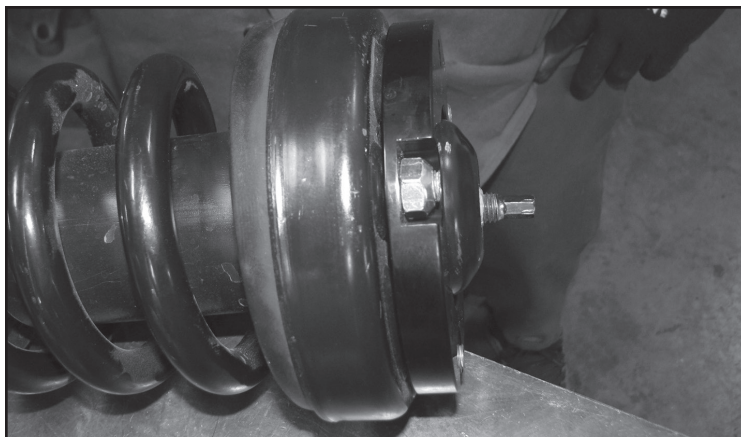


FIGURE 9 - STEP 8

9. Install the factory coilover into the vehicle using the supplied 3/8"-24 X 1" bolts and washers. Torque to 52 ft-lbs. **SEE FIGURE 10-11**

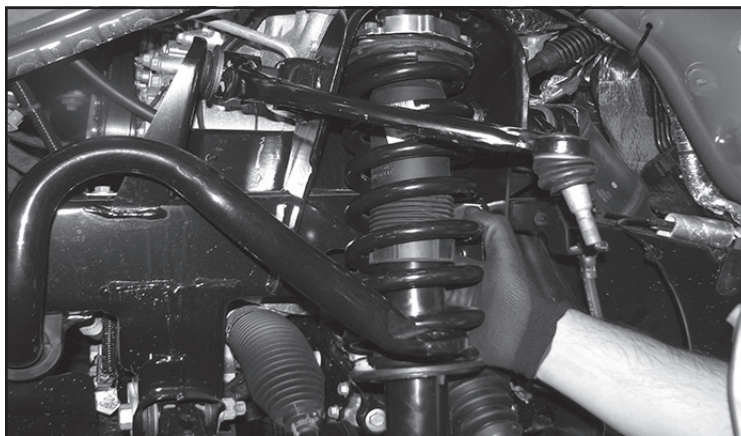


FIGURE 10 - STEP 9

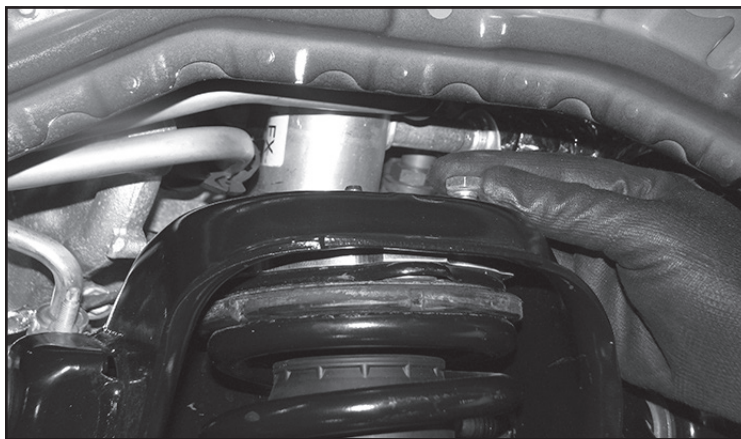


FIGURE 11 - STEP 9

10. Reinstall the lower coilover studs into the control arm and torque the nuts to 58 ft-lbs. **NOTE: Turning the coilover may be necessary to realign the lower studs with the control arm holes.** Reinstall the upper ball joint to the knuckle. Torque to 60 ft-lbs. Reattach the tie rod end to the knuckle. Torque to 50 ft-lbs.
11. Repeat steps 2-10 on the passenger side.
12. Once complete with both side reattach the sway bar.

13. 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.**
14. Check front end alignment and set to factory specifications. Readjust headlights.
15. Recheck all bolts for proper torque.
16. Recheck brake hoses, ABS wires and suspension parts for proper tire clearance while turning tires fully left to right.
17. 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.**
18. 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.

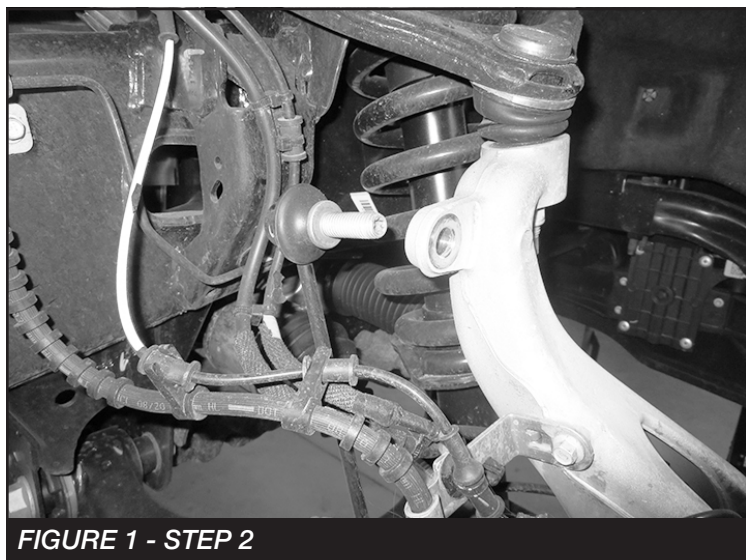
**RETORQUE ALL NUTS, BOLTS AND LUGS
AFTER 50 MILES AND PERIODICALLY
THEREAFTER.**

For technical assistance call: **909-597-7800**

- 2021-2023 INSTRUCTIONS -

FRONT SUSPENSION

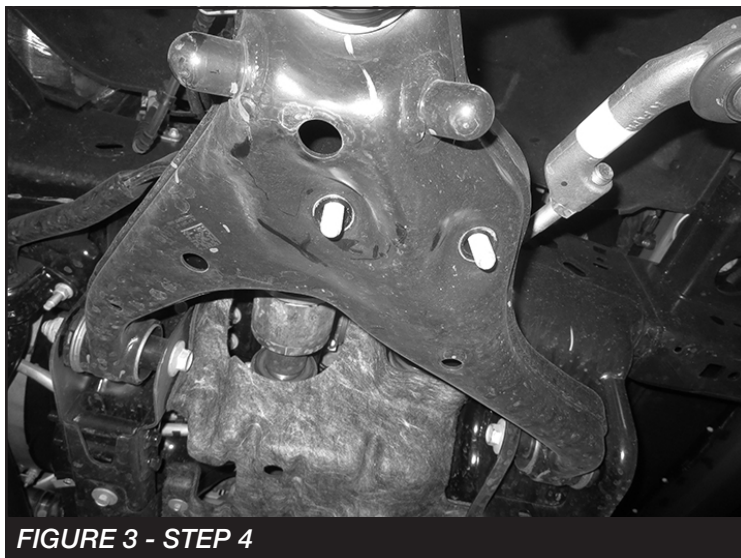
1. Disconnect the negative terminal on the battery. Jack up the front end of the truck and support the frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the front tires.
2. Disconnect the sway bar link from the knuckle. Save hardware. **SEE FIGURE 1**



3. Loosen the tie rod nut and carefully strike the knuckle with a hammer until it comes loose from the knuckle. Save hardware. **SEE FIGURE 2**



4. Remove the two lower strut nuts from the bottom side of the lower control arm. Save hardware. **SEE FIGURE 3**



5. Loosen the three top strut nuts. Do not remove at this time. **SEE FIGURE 4**



6. Mark the location of the control arm pivot bolts on the lower control arm. Remove the two lower control arm pivot bolts. Save all hardware. **SEE FIGURE 5**



7. Pull down on the lower control arm to remove the lower strut studs. **SEE FIGURE 6.** Remove the top strut nuts then remove the strut from the vehicle. **NOTE: Mark the orientation of the strut by marking the outside (toward the wheel).**

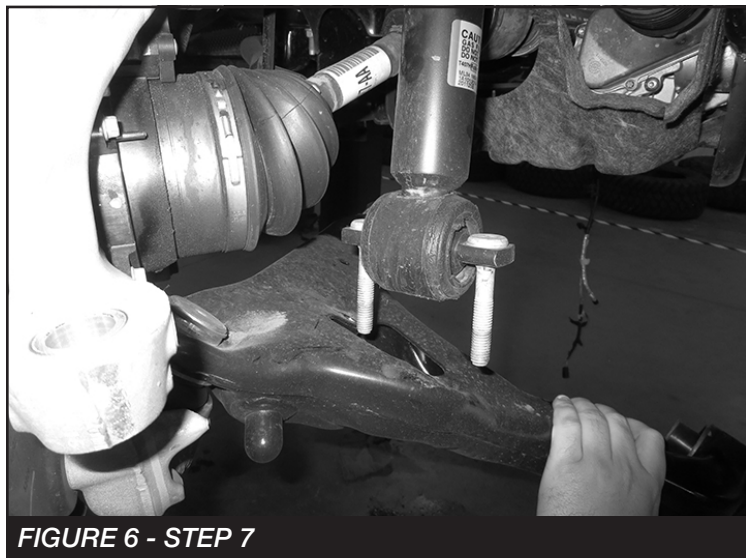


FIGURE 6 - STEP 7

8. On the coilover measure and mark 5/8" from the base of the factory studs. Using a cut-off wheel, cut the excess end of the studs off. **SEE FIGURE 7-8**

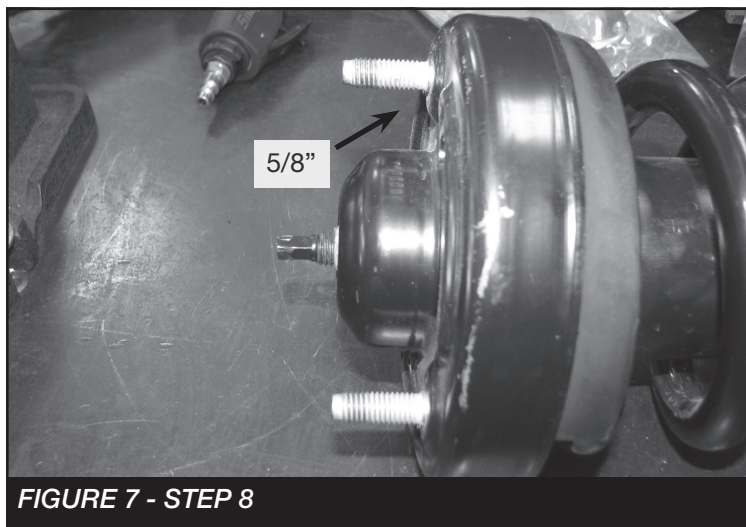


FIGURE 7 - STEP 8

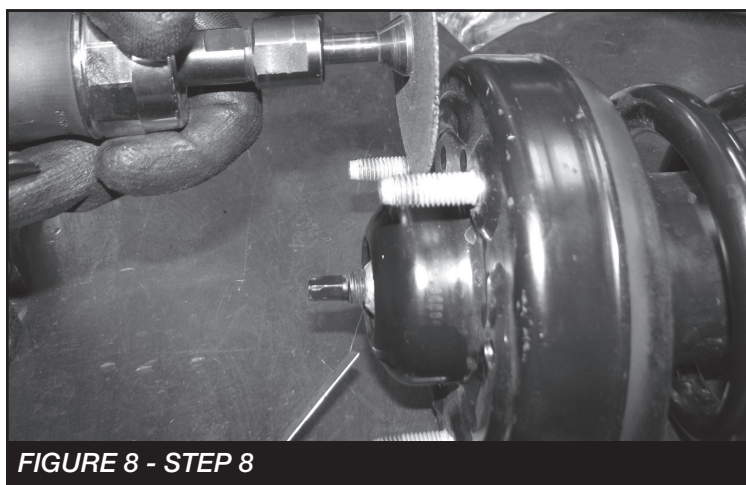


FIGURE 8 - STEP 8

9. Install the FT30612 on the factory coilover using the supplied M10 nuts. Torque to 58 ft-lbs. **SEE FIGURE 9**



FIGURE 9 - STEP 9

10. Reinstall the coilover using the supplied 3/8" hardware. **NOTE: When installing rotate 180 degrees to line up the holes in the upper mount and strut spacer.** Raise the lower control arm while inserting the lower strut studs into the holes in the arm. Install the factory lower strut nuts. **SEE FIGURES 10-11**

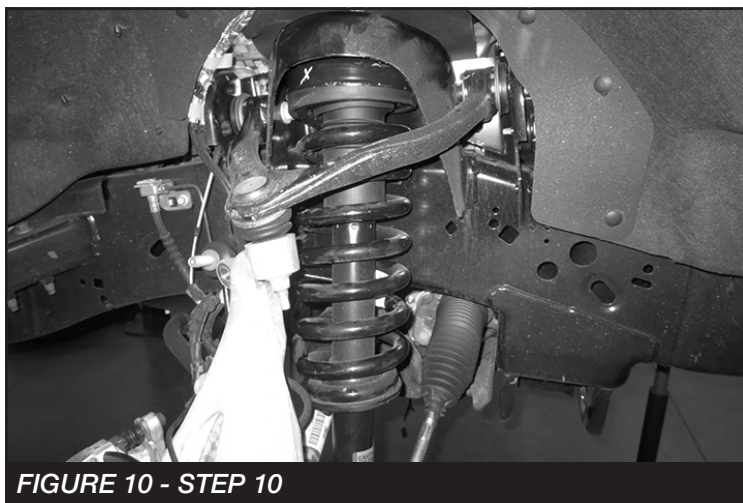


FIGURE 10 - STEP 10

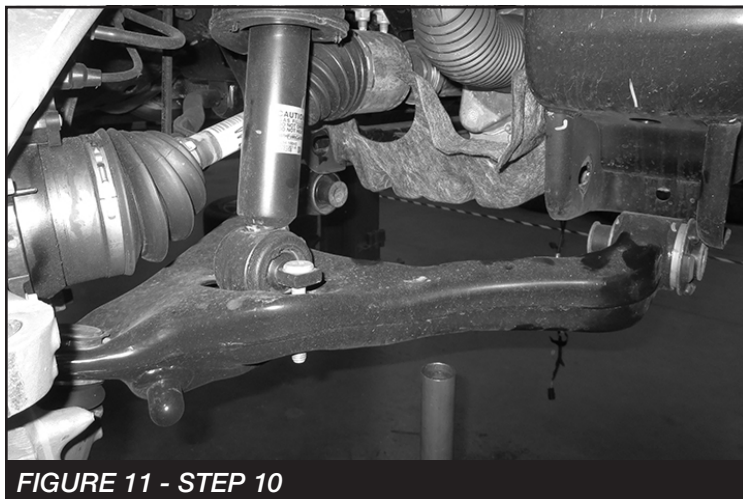
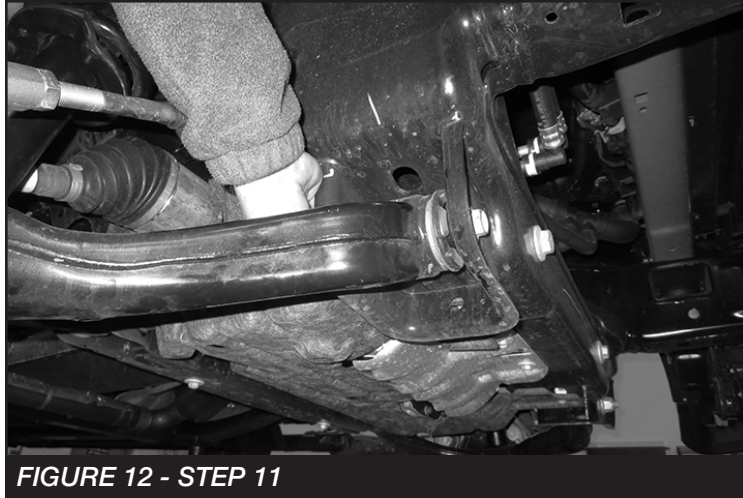


FIGURE 11 - STEP 10

11. Using a jack install the lower control into the pockets one pocket at a time using the factory hardware. Set to the mark previously marked and Torque to 200 ft-lbs. **SEE FIGURE 12**



12. Torque the upper strut bolts to 40 ft-lbs and the lower strut nuts to 45 ft-lbs.
13. Install the tie rod end into the knuckle using the factory nut. Torque to 60 ft-lbs. Install the sway bar end link to the knuckle using the factory nut. Torque to 45 ft-lbs.
14. Repeat steps on the opposite side.
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. Recheck brake hoses, ABS wires and suspension parts for proper tire clearance while turning tires fully left to right.
17. Check front end alignment and set to factory specifications. Readjust headlights.
18. 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.

RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 50 MILES AND PERIODICALLY THEREAFTER.

19. 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