

## INSTALLATION INSTRUCTIONS

FTS26111 TOYOTA TUNDRA SPACER KIT		
2	FT70309	REAR SPACER
1	FT70312	REAR BUMP STOP BRACKET (DRIVER)
1	FT70313	REAR BUMP STOP BRACKET (PASSENGER)
1	FT70332	HARDWARE SUBASSEMBLY

FT70332 HARDWARE SUBASSEMBLY		
1	FT1599-1-5	REAR BRAKELINE TAB
1	FT26106i	INSTRUCTIONS
2	FT44245	BRAKELINE BRACKET
2	FT70174	BUMPSTOP SPACER
2	FT70319	BODY MOUNT WELD IN PLATE
1	FT70323	HARDWARE KIT
2	FT81111	FRONT BUMPSTOP SPACER
2	FT83239	SLEEVE 1.500 X .760 X .300
2	FT83267	3/4" BUSHING
2	FT89034	REAR BUMPSTOP SPACER
1	FTAS12	STICKER 10X4
1	FTAS16	DRIVER WARNING DECAL
1	FTREGCARD	REGISTRATION CARD

FT70323 - HARDWARE KIT		LOCATION
14	3/8-16 C-LOCK NUT	
14	3/8" SAE WASHER	
2	3/8-16 X 1" HEX BOLT	
4	COTTER PIN 1/8" X 2"	
2	COTTER PIN 5/32" X 2"	
4	M8-1.25 X 60MM HEX BOLT	
4	M8 FLAT WASHER	
4	M8 SPLIT LOCK WASHER	
5	1/4-20 X 1" HEX BOLT	
10	1/4" SAE WASHER	
5	1/4-20 C-LOCK NUT	
1	THREAD LOCKING COMPOUND	

## 2022 TOYOTA TUNDRA 4WD REAR SPACER KIT FTS26111

**NOTE:** TO ORDER WEARABLE REPLACEMENT COMPONENTS DO NOT USE PART NUMBERS SHOWN ON THIS INSTRUCTION SHEET. GO TO FABTECH WEBSITE AND LOOK UP WEARABLE REPLACEMENT PARTS TO FIND THE PROPER PART NUMBER TO ORDER.

**Fabtech Motorsports** | 4331 Eucalyptus Ave. Chino, CA 91710

**Tech Line:** 909-597-7800 | **Fax:** 909-597-7185 | **Web:** [www.fabtechmotorsports.com](http://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
- Welder
- Recipricating saw/ 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.

This suspension and shocks have been designed to be installed on a stock vehicle.

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.

Installation of all fasteners requires the use of provided thread locking compound with proper torque values as indicated throughout the installation. Apply thread locking compound upon the final torque of the fastener.

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

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.

Read all warnings and warranties on the last page of these instructions before starting installation.

### **FOOTNOTES -**

- Does not fit hybrid models
- Fits CrewMax models only
- Does not fit models equipped with adaptive variable suspension (AVS) shocks

# - 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. Remove the cotter pin from the tie rod end ball joint. Loosen the nut and using a hammer strike the knuckle ball joint housing to dislodge the tie rod end. **Careful not to damage the tie rod end. SEE FIGURE 1**

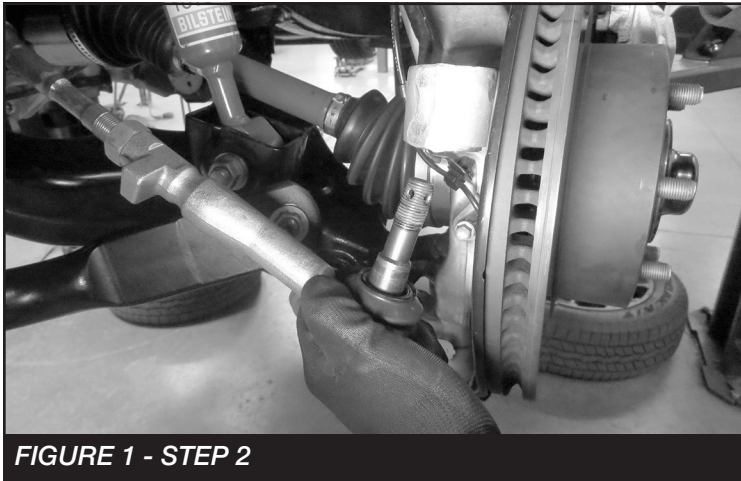


FIGURE 1 - STEP 2

3. Disconnect the wheel speed sensor from the knuckle. Save hardware. **SEE FIGURE 2**

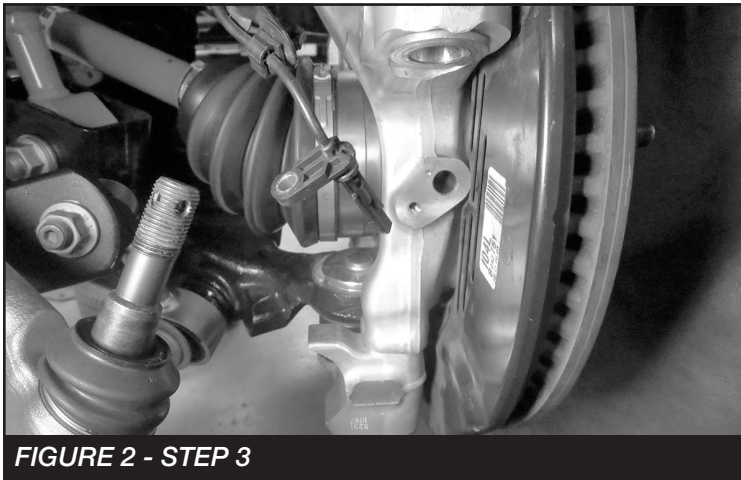


FIGURE 2 - STEP 3

4. Remove the cotter pin from the tie rod end ball joint nut. Loosen the nut and using a hammer strike the knuckle ball joint housing to dislodge the upper control arm from the knuckle. Do not remove the nut at this time. **SEE FIGURE 3**

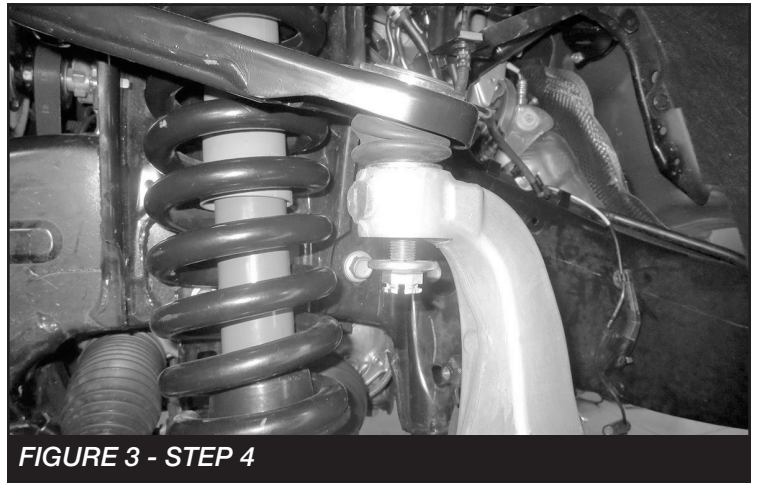


FIGURE 3 - STEP 4

5. Remove the CV axle cotter pin and nut. Save nut. **SEE FIGURE 4**



FIGURE 4 - STEP 5

6. Remove the sway bar link bolt attaching the sway bar link to the lower control arm. Save hardware and disconnect the link from the arm. **SEE FIGURES 5-6**

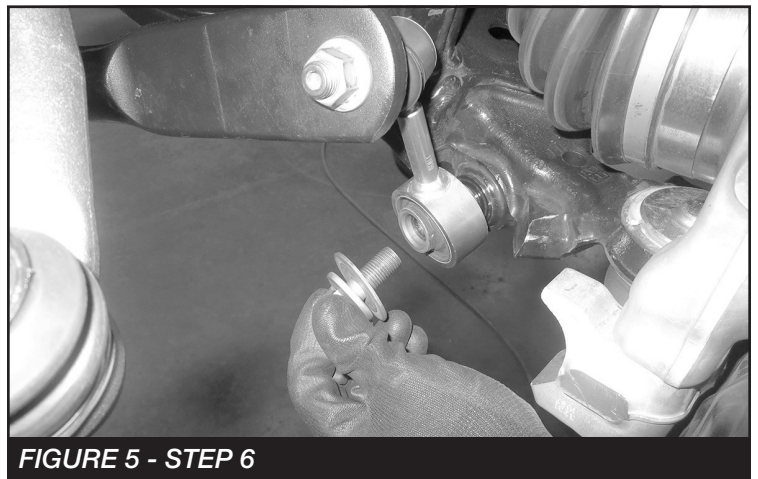


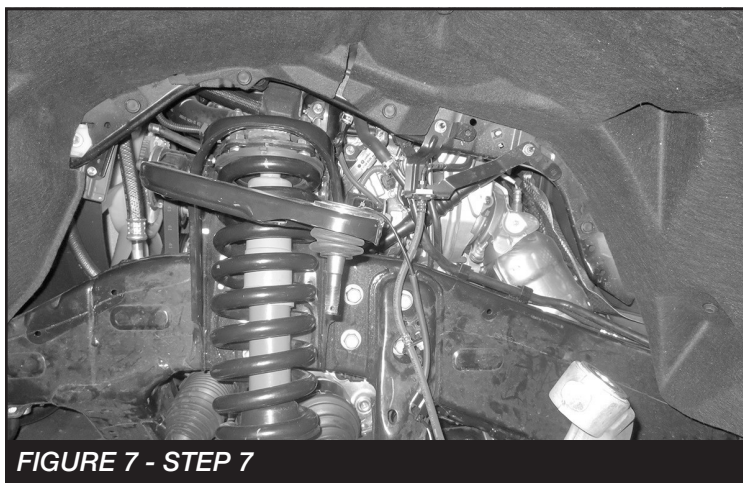
FIGURE 5 - STEP 6





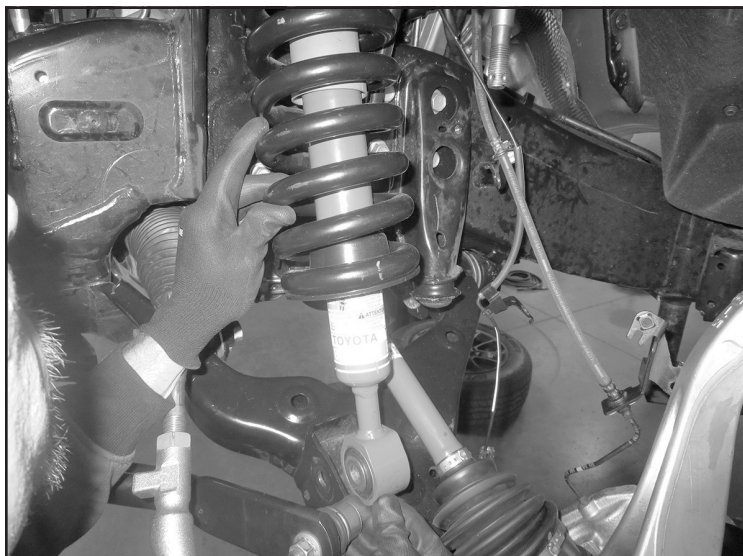
**FIGURE 6 - STEP 6**

7. Disconnect the upper control arm from the knuckle. Save hardware. **SEE FIGURE 7**



**FIGURE 7 - STEP 7**

8. Remove the lower strut bolt and upper strut nuts, then remove the factory strut from the truck. **SEE FIGURE 8**

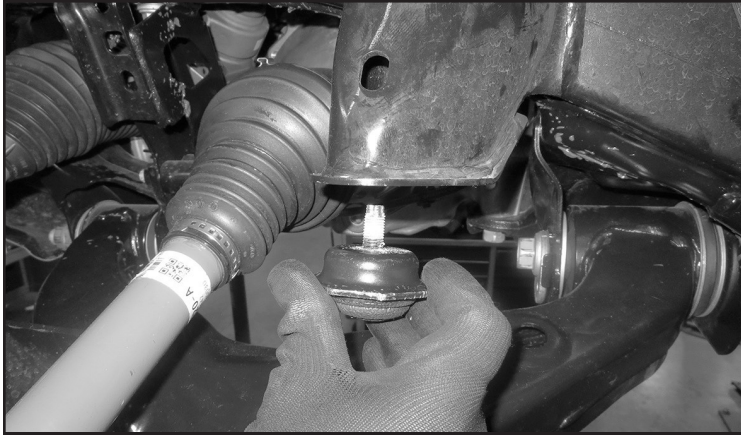


**FIGURE 8 - STEP 8**

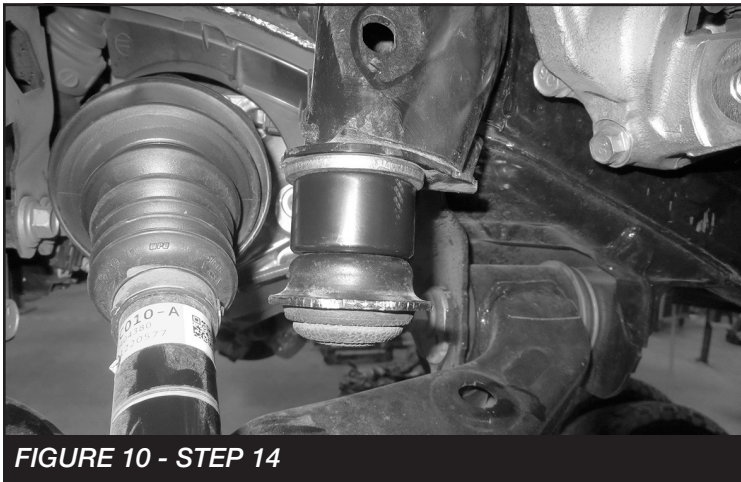
9. Install the Dirt Logic Coilovers using the instructions supplied in the coilover box.
10. If installing Fabtech upper control arms, do so now using the instructions supplied in the box. **NOTE: Make sure the cv axle is inserted into the hub.**
11. Install the CV axle nut and new cotter pin. Torque to 180 ft-lbs.
12. Install the wheel speed sensor and factory sway bar endlink to the lower control arm. Torque to 78 ft-lbs.
13. Install the tie rod end to the knuckle using the factory hardware and supplied cotter pin. Torque to 35 ft-lbs.



14. Remove the factory bumpstop. Install FT70174 (Bumpstop spacer) onto the the factory bumpstop. Install the bumpstop onto the vehicle with FT81111 (Bumpstop washer). **SEE FIGURES 9-10**



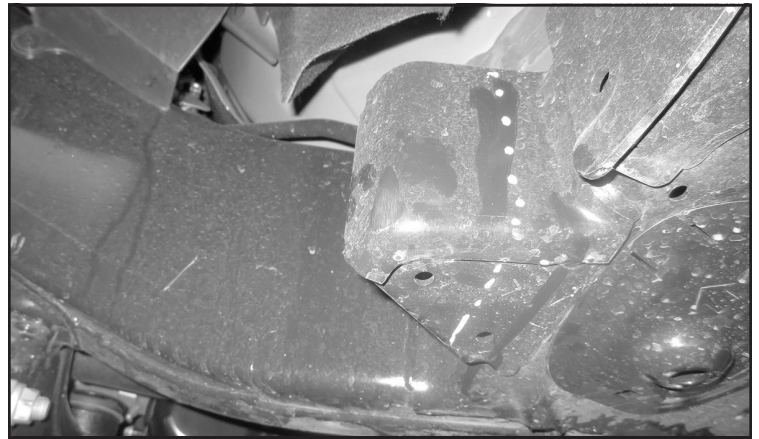
**FIGURE 9 - STEP 14**



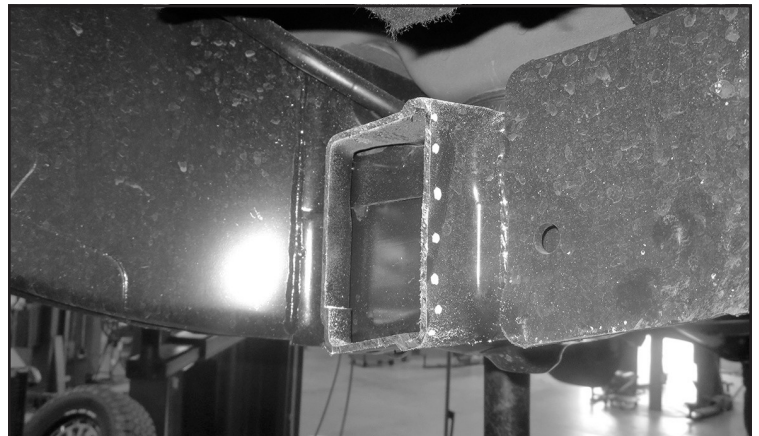
**FIGURE 10 - STEP 14**

15. If installing 35" Tires continue with the next steps. If not, skip to step 18.

16. Locate the inner fender body mount. Mark 1" from the frame. Then using a reciprocating saw or cut-off wheel. Remove the mount from the vehicle. **SEE FIGURES 11-12**

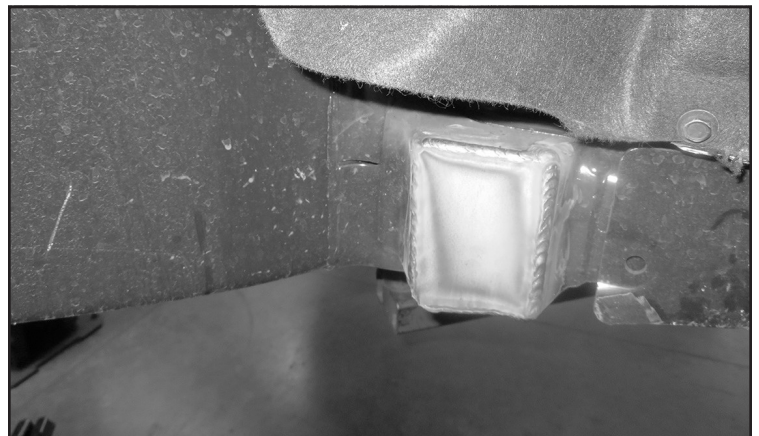


**FIGURE 11 - STEP 16**



**FIGURE 12 - STEP 16**

17. Weld FT70319 (Weld plate) into the body mount. Allow to cool then paint the area. **SEE FIGURE 13**



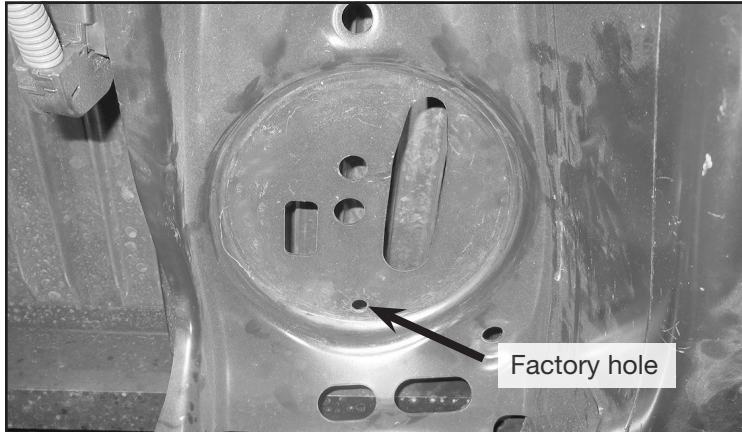
**FIGURE 13 - STEP 17**

18. Repeat steps on the passenger side.

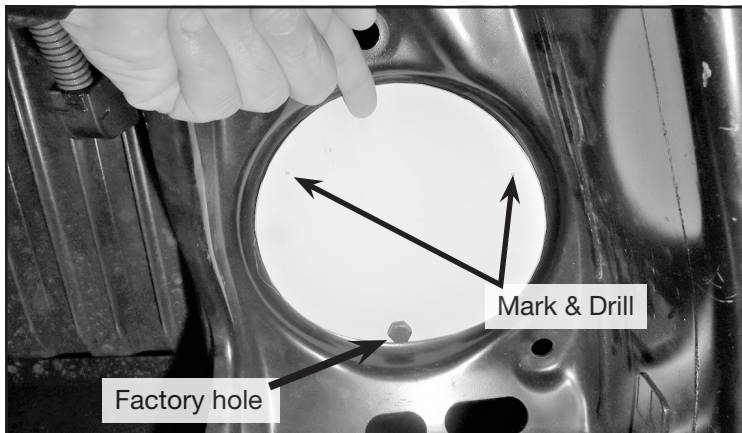


## **- REAR SUSPENSION -**

19. Supporting the rear axle. disconnect the rear sway bar (if equipped) and remove the factory rear shocks. Slowing lower the rear axle and rear the rear coil springs.
20. Cut out the template on page 9. Line up the factory hole mark on the template with the factory hole on the upper coil spring mount. Mark the two holes and drill using a 7/16" drill bit. **SEE FIGURES 14-16** Repeat on both sides.



**FIGURE 14 - STEP 20**

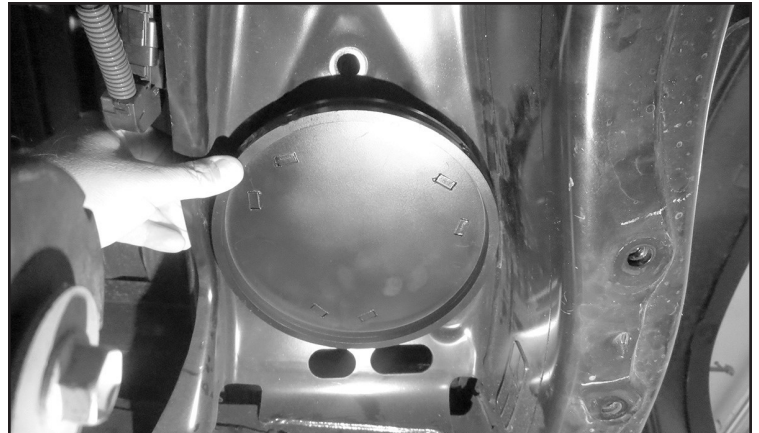


**FIGURE 15 - STEP 20**



**FIGURE 16 - STEP 20**

21. Install FT70309 (Rear Spacers) to the upper coil mounts using the supplied 3/8" nuts and washers. **SEE FIGURE 17. NOTE: The unit mounted on the passenger side frame will need to be unbolted to allow access for installing the passenger spacer. SEE FIGURE 18**

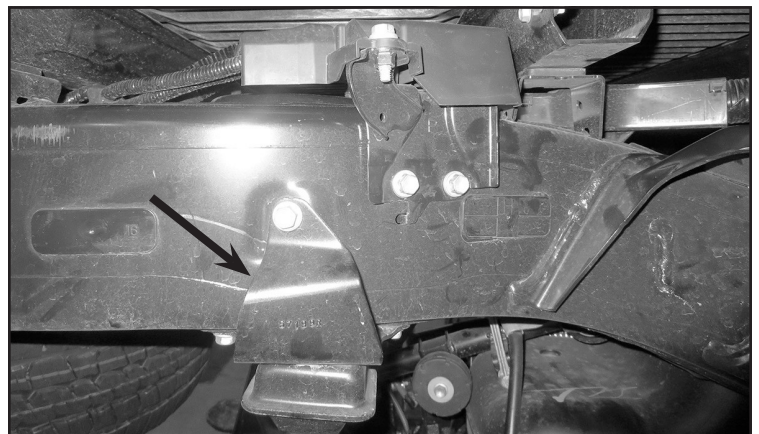


**FIGURE 17 - STEP 21**



**FIGURE 18 - STEP 21**

22. Remove the factory rear bumpstops from the frame. Save hardware. **SEE FIGURE 19**



**FIGURE 19 - STEP 22**



23. Mark and cut the bumpstop brackets like shown in **FIGURES 20-21**

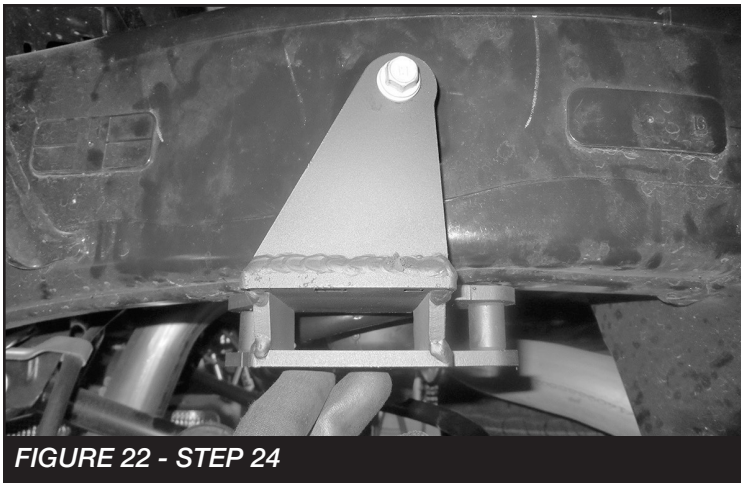


**FIGURE 20 - STEP 23**



**FIGURE 21 - STEP 23**

24. Install FT70312 (Driver bumpstop bracket) & FT70313 (Pass bumpstop bracket) in the factory location using one factory bolt. **NOTE:** Install FT89034 (washer) on the backside of the bracket. **SEE FIGURES 22-23**



**FIGURE 22 - STEP 24**



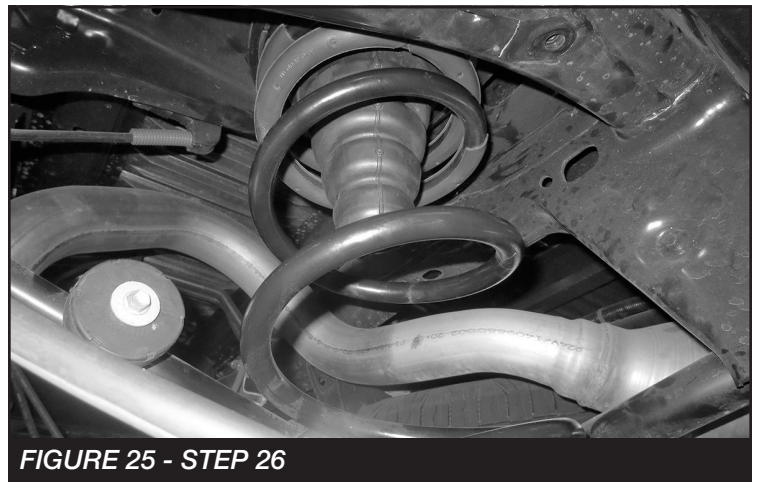
**FIGURE 23 - STEP 24**

25. Install the factory bumpstop to the new bracket using the supplied 8mm bolts and washers. Torque to 18 ft-lbs. **SEE FIGURE 24**



**FIGURE 24 - STEP 25**

26. Reinstall the rear coil springs with the factory isolators. **SEE FIGURE 25**



**FIGURE 25 - STEP 26**



27. Install the new Fabtech shocks FTS7188, FTS6188 or FTS81164 and FT83239 Shock Spacer with the factory hardware and supplied shock sleeve. **NOTE: If installing FTS7188 Performance shock, remove the lower bushing and install the supplied FT83267 (bushing).** Install the spacer onto the lower shock mount and follow with the shock and factory hardware. Torque upper and lower bolts to 83 lbs. **SEE FIGURE 26**



FIGURE 26 - STEP 27

28. Re-connect the factory sway bar links.

29. Install FT44245 (Brakeline bracket) on top of the differential as well as the driver side axle mount using the supplied 1/4" hardware. **SEE FIGURES 27-28**



FIGURE 27 - STEP 29

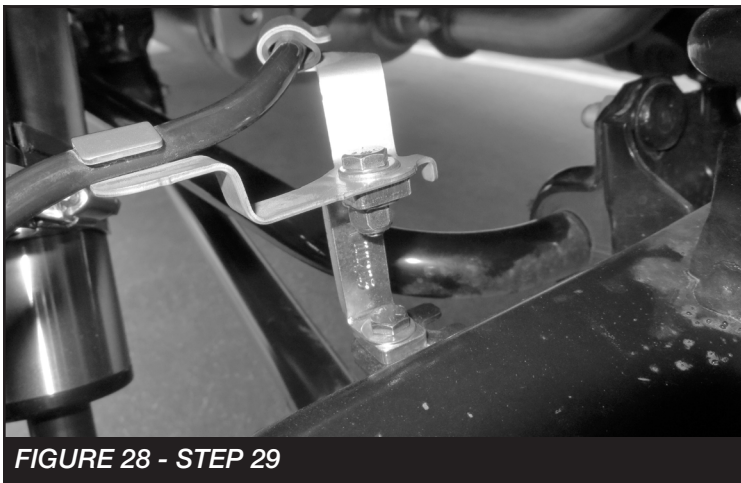


FIGURE 28 - STEP 29

30. Install FT1599-1-5 (Brakeline tab) on the passenger side link mount that attaches the factory brakeline to the link pocket. Use the factory hardware to mount the bracket and the supplied 1/4" hardware to mount the brakeline to the new tab. **SEE FIGURES 29-30**

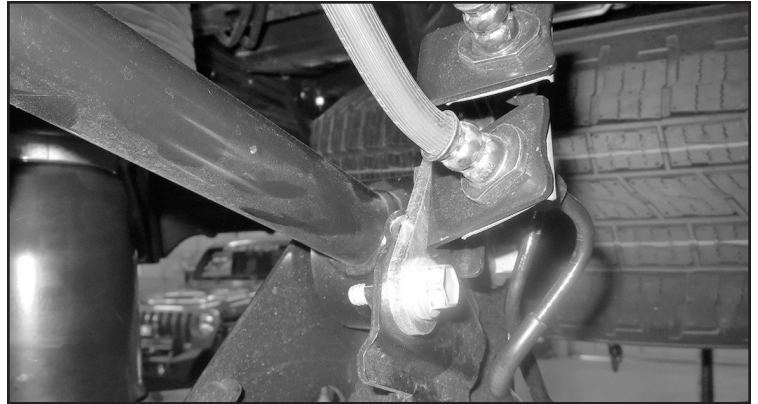


FIGURE 29 - STEP 30

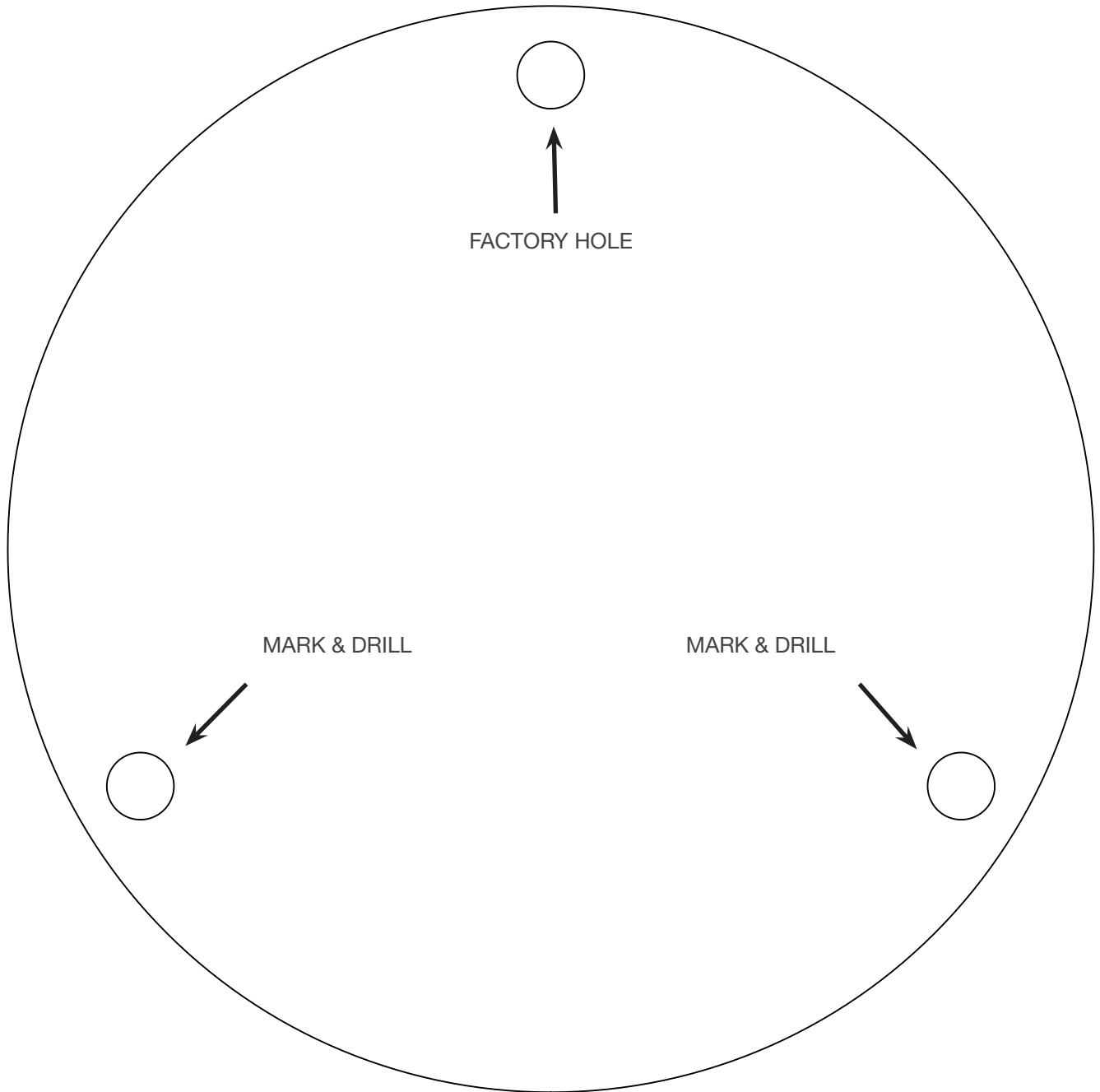


FIGURE 30 - STEP 30

31. 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.
32. Check front end alignment and set to factory specifications. Readjust headlights.
33. Recheck all bolts for proper torque. **RE-TORQUE ALL NUTS, BOLTS AND LUGS AFTER 50 MILES AND PERIODICALLY THEREAFTER UNTIL TORQUE VALUES ARE RETAINED.**
34. Recheck brake hoses, ABS wires and suspension parts for proper tire clearance while turning tires fully left to right.
35. Check ball joints, uniballs bearings, bushings and all steering components every 2500-5000 miles for wear and replace as required.
36. Install Driver Warning Decal. Complete product registration card and mail to Fabtech in order to receive future safety and technical bulletins on this suspension.
37. Review all included warnings and warranties with consumer

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

# TEMPLATE







# **- Product Warranty & 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, Uniball bearings, 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 take apart shocks are considered a serviceable shock with a 1-year warranty against any manufacturer's defects. If a shock fails within the initial year of ownership, the owner must ship the shock to Fabtech for inspection and service. If after examination the shock is determined to have failed due to neglect, damage caused by improper installation, or any reason other than "normal wear and tear," the owner of the shock will be responsible for all service costs. Costs include labor, parts, and shipping. 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. This warranty does not include coverage for police, taxi, first responder vehicles, race vehicles, or vehicles used for government, commercial or fleet 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.

Oversized tires and wheels may decrease the vehicle's braking capacity. Drivers should always brake early and be aware of the increased the stopping distance of the vehicle. Drivers should adjust their driving habits to the effectiveness of the braking. Adjust your driving habits to these changes.

Failure to drive safely may result in serious injury or death to driver and passengers. Driver and passengers must ALWAYS wear your seat belts, avoid quick sharp turns and other sudden maneuvers