INSTALLATION INSTRUCTIONS



2014-2018 DODGE 2500 4WD
5” KIT W/ COILS

FTS23076/FTS23077/FTS23078 - BASIC KITS

FTS23080/FTS23081/FTS23082 - RADIUS ARM KITS

FT23075i

Fabtech Motorsports | 4331 Eucalyptus Ave. Chino, CA 91710

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

	FTS23075	5" BASIC KIT W/ COILS
1	FT44172	DODGE PITMAN ARM
2	FT44232BK	RADIUS ARM DROP
1	FT44236BK	TRACK BAR BRACKET
1	FT44298BK	LOWER SPRING PERCH (DRIVER)
1	FT44299BK	LOWER SPRING PERCH (PASSENGER)
2	FT44316BK	FRONT COIL SPRING
1	FT44518	BUMP STOP MOUNT (DRIVER)
1	FT44519	BUMP STOP MOUNT (PASS)
2	FT44268BK	REAR BUMP STOP SPACER
1	FT44457	HARDWARE KIT
2	FT44356BK	COIL RETAINER

	FTS23076	COMPONENT BOX 2 W/PERFORMANCE SHOCKS
2	FT1599-2-4	5” SWAY BAR LINK CLEAR ZINC
1	FT44269BK	REAR TRACK BAR SUPPORT
2	FT44279BK	REAR COIL SPRING
1	FT44289	HARDWARE SUBASSEMBLY
2	FTS7343	PERFORMANCE SHOCK FRONT
2	FTS7344	PERFORMANCE SHOCK REAR

	FTS23077	COMPONENT BOX 2 W/STEALTH SHOCKS
2	FT1599-2-4	5” SWAY BAR LINK CLEAR ZINC
1	FT44269BK	REAR TRACK BAR SUPPORT
2	FT44279BK	REAR COIL SPRING
1	FT44289	HARDWARE SUBASSEMBLY
2	FTS6343	STEALTH MONOTUBE FRONT
2	FTS6344	STEALTH MONOTUBE REAR

	FTS23078	COMPONENT BOX 2 W/DIRT LOGIC SHOCKS
2	FT1599-2-4	5” SWAY BAR LINK CLEAR ZINC
1	FT44269BK	REAR TRACK BAR SUPPORT
2	FT44279BK	REAR COIL SPRING
1	FT44345	HARDWARE SUBASSEMBLY
2	FT801032	DIRT LOGIC 2.25 RESI
2	FT811042	DIRT LOGIC 2.25 NON RESI

	FT44452 - HARDWARE KIT	
2	1/4-20 X 2-1/2” HEX BOLT	BUMPSTOP
4	1/4” SAE WASHER	
2	1/2-20 NYLOCK NUT	

	FT44457 - HARDWARE KIT	LOCATION
	FT44290	
	BAG 1	
1	M18-2.5 X 90MM HEX BOLT	TRACK BAR DROP BRACKET
2	M18 WASHERS	
1	NUT C-LOCK 18MM G10.9 ZINC	
2	1/2-13 X 1-1/2 HEX BOLT G8 ZINC	TRACK BAR BRACKET
4	1/2” WASHERS	
2	1/2 -13 C-LOCK NUT ZINC	
2	1/2-13 X 4” HEX BOLT G8	COIL RETAINER
4	1/2 SAE WASHER G8 ZINC	
2	1/2 -13 C-LOCK NUT ZINC	
	BAG 2	
2	M18-2.5 X 120 MM HEX BOLT	RADIUS ARM POCKET
4	M18 WASHERS	
2	M18 C-LOCK NUT ZINC	
12	1/2-13 1-1/4 HEX BOLT ZINC	
24	1/2 SAE WASHER ZINC	
12	1/2-13 C-LOCK NUT ZINC	
2	5/16-18 X 2-1/2 HEX BOLT ZINC	BUMP STOP
4	5/16 SAE WASHER G8 ZINC	
2	5/16-18 C-LOCK NUT ZINC	
	BAG 3	
4	7/16-14 X 1-1/4 HEX BOLT ZINC	REAR BUMP STOP
8	7/16 SAE WASHER G8 ZINC	
4	7/16-14 C-LOCK NUT ZINC	
4	5/16-18 X 1-1/2 HEX BOLT	COIL SPACER
6	5/16 SAE FLAT WASHER	
2	5/16-18 C-LOCK NUT ZINC	
4	1/4-20 X 1 HEX BOLT G5 ZINC	BRAKE LINE EXTENSION
2	1/4 SAE WASHER G5 ZINC	
2	1/4-20 C-LOCK NUT ZINC	
	BAG 4	
8	1/2 USS WASHER G5 ZINC	SWAY BAR LINK
4	M12-1.75 X 70MM HEX BOLT G10.9	
4	NUT 12-1.75 NYLOK 10.9 Z1	
5	7/16-14 X 1-1/4 HEX BOLT G8 ZC	REAR TRACK BAR BRACKET
10	7/16 SAE WASHER G8 ZINC	
5	7/16-14 C-LOCK NUT ZINC	
1	1/2-13 X 1-1/4 HEX BOLT G8 ZNC	REAR TRACK BAR BRACKET
1	1/2-13 X 2-1/4 HEX BOLT G8 ZNC	
4	1/2 SAE WASHER G8 ZINC	
2	1/2-13 C-LOCK NUT ZINC	
1	9/16-18 X 4 HEX BOLT G8 ZC	
2	9/16 SAE WASHER G8 ZINC	
1	9/16" -18 C LOCK NUT	
1	1/4-20 X 1 HEX BOLT G8 ZINC	
2	1/4 SAE WASHER G5 ZINC	
1	1/4-20 NYLOCK NUT ZINC	REAR END BREATHER
1	SPN-10 CUSHIONED CLAMP	

- PARTS LIST -
BASIC KIT CONTINUED

	FT44289	HARDWARE SUBASSEMBLY
2	FT604	SLEEVE 1.000 X .760 X 2.600
1	FT605	SLEEVE 1.000 X .563 X 1.855
1	FT606	SLEEVE .750 X .515 X .780
8	FT1004	SWAY BAR LINK BUSHING HALF
2	FT44317	LOWER SPRING PERCH NUT TAB
2	FT44135	BUMP STOP MOUNT TAB
2	FT44245	BRAKE LINE EXT
1	FT44246	TRACK BAR SUPPORT SPACER
2	FT44253	RADIUS ARM DROP NUT TAB
2	FT44258	1/4 NUT TAB
1	FT44270	NUT TAB
1	FT50184	TRAC BAR SUPPORT NUT TAB
1	FTAS16	DRIVER WARNING DECAL
1	FTAS12	STICKER FT BLUE 10X4
1	FTREGCARD	REGISTRATION CARD
1	FT23092i	INSTRUCTIONS
1	FT44359	COIL RETAINER WASHER
1	FT44239	WASHER 4.250 X .510 X .250
4	FT404739	SWAY BAR LINK SLEEVES

	FT44345	HARDWARE SUBASSEMBLY
4	FTSP01029	HARDWARE PACK STEM BUSHING
2	FT86021	HARDWARE & BUSHING KIT 21
4	FT83076	1.5/1.75-2.25/2.5 RESI URETHANE
4	FT89016	#64 HOSE CLAMP
2	FT604	SLEEVE 1.000 X .760 X 2.600
1	FT605	SLEEVE 1.000 X .563 X 1.855
1	FT606	SLEEVE .750 X .515 X .780
8	FT1004	SWAY BAR LINK BUSHING HALF
4	FT404739	SLEEVE OD 0.62 ID 12MM L.1.48
2	FT44317	LOWER SPRING PERCH NUT TAB
2	FT44135	BUMP STOP MOUNT TAB
2	FT44245	BRAKE LINE EXT
1	FT44246	TRACK BAR SUPPORT SPACER
2	FT44253	RADIUS ARM DROP NUT TAB
2	FT44258	1/4 NUT TAB
1	FT44270	NUT TAB
1	FT50184	TRAC BAR SUPPORT NUT TAB
1	FTAS16	DRIVER WARNING DECAL
1	FTAS12	STICKER FT BLUE 10X4
1	FTREGCARD	REGISTRATION CARD
1	FT23092i	INSTRUCTIONS
1	FT44359	COIL RETAINER WASHER
1	FT44239	WASHER 4.250 X .510 X .250

- PARTS LIST -
5” RADIUS ARM KIT W/ COILS

	FTS23079	5" RADIUS ARM KIT W/ COILS
1	FT44172	DODGE PITMAN ARM
1	FT44449	RADIUS ARM (DRIVER)
1	FT44450	RADIUS ARM (PASSENGER)
1	FT44236BK	TRACK BAR BRACKET
1	FT44518	BUMP STOP MOUNT DRIVER
1	FT44519	BUMP STOP MOUNT PASSENGER
2	FT44268BK	REAR BUMP STOP SPACER
1	FT44298BK	LOWER SPRING PERCH (DRIVER)
1	FT44299BK	LOWER SPRING PERCH (PASSENGER)
2	FT44316BK	FRONT COIL SPRING
1	FT44458	HARDWARE KIT
2	FT90071	LOGO PLATE SMALL
2	FT44356BK	COIL RETAINER

	FTS23080	COMPONENT BOX 2 W/PERFORMANCE SHOCKS
2	FT1599-2-4	5” SWAY BAR LINK CLEAR ZINC
1	FT44269BK	REAR TRACK BAR SUPPORT
2	FT44279BK	REAR COIL SPRING
1	FT44327	HARDWARE SUBASSEMBLY
2	FTS7343	PERFORMANCE SHOCK FRONT
2	FTS7188	PERFORMANCE SHOCK REAR

	FTS23081	COMPONENT BOX 2 W/STEALTH SHOCKS
2	FT1599-2-4	5” SWAY BAR LINK CLEAR ZINC
1	FT44269BK	REAR TRACK BAR SUPPORT
2	FT44279BK	REAR COIL SPRING
1	FT44327	HARDWARE SUBASSEMBLY
2	FTS6343	STEALTH MONOTUBE FRONT
2	FTS6344	STEALTH MONOTUBE REAR

	FTS23082	COMPONENT BOX 2 W/DIRT LOGIC SS SHOCKS
2	FT1599-2-4	5” SWAY BAR LINK CLEAR ZINC
1	FT44269BK	REAR TRACK BAR SUPPORT
2	FT44279BK	REAR COIL SPRING
1	FT44346	HARDWARE SUBASSEMBLY
2	FT801032	DIRT LOGIC 2.25 RESI SS
2	FT811042	DIRT LOGIC 2.25 NON RESI SS

	FT44452 - HARDWARE KIT	
2	1/4-20 X 2-1/2” HEX BOLT	BUMPSTOP
4	1/4” SAE WASHER	
2	1/2-20 NYLOCK NUT	

	FT44458 - HARDWARE KIT	LOCATION
	FT44326	
	BAG 1	
1	M18-2.5 X 90MM HEX BOLT	TRACK BAR DROP BRACKET
2	M18 WASHERS	
1	NUT C-LOCK 18MM G10.9 ZINC	
4	1/2-13 X 1-1/4 HEX BOLT G8 ZNC	BUMP STOP
8	1/2 SAE WASHER G8 ZINC	
4	1/2-13 C-LOCK NUT ZINC	
2	1/2-13 X 1-1/2 HEX BOLT G8 ZNC	TRACK BAR DROP BRACKET
4	1/2 SAE WASHER G8 ZINC	
2	1/2-13 C-LOCK NUT ZINC	
	BAG 2	
2	5/16-18 X 2-1/2 HEX BOLT G8 ZINC	BUMP STOP
4	5/16 SAE WASHER G8 ZINC	
2	5/16-18 C-LOCK NUT ZINC	
4	5/16-18 X 1-1/2 HEX BOLT	COIL SPACER
6	5/16 SAE WASHER	
2	5/16-18 C-LOCK NUTS	
4	1/4-20 X 1 HEX BOLT G5 ZINC	BRAKE LINE EXTENSION
2	1/4 SAE WASHER G5 ZINC	
2	1/4-20 C-LOCK NUT ZINC	
	BAG 3	
4	7/16-14 X 1-1/4 HEX BOLT G8 ZC	REAR BUMP STOP
8	7/16 SAE WASHER G8 ZINC	
4	7/16-14 C-LOCK NUT ZINC	
8	1/2 USS WASHER G5 ZINC	SWAY BAR LINK
4	M12-1.75 X 70MM HEX BOLT G10.9	
4	NUT 12-1.75 NYLOK 10.9 Z1	
5	7/16-14 X 1-1/4 HEX BOLT G8 ZC	REAR COIL SPACER/REAR TRACK BAR DROP BRACKET
10	7/16 SAE WASHER G8 ZINC	
5	7/16-14 C-LOCK NUT ZINC	
1	1/2-13 X 1-1/4 HEX BOLT G8 ZNC	REAR TRACK BAR BRACKET
1	1/2-13 X 2-1/4 HEX BOLT G8 ZNC	
4	1/2 SAE WASHER G8 ZINC	
2	1/2-13 C-LOCK NUT ZINC	
1	9/16-18 X 4 HEX BOLT G8 ZC	
2	9/16 SAE WASHER G8 ZINC	
1	9/16" -18 C LOCK NUT	
1	1/4-20 X 1 HEX BOLT G8 ZINC	
2	1/4 SAE WASHER G5 ZINC	
1	1/4-20 NYLOCK NUT ZINC	REAR END BREATHER
1	SPN-10 CUSHIONED CLAMP	
2	THREAD LOCKING COMPOUND 2 MIL	

- PARTS LIST -
RADIUS ARM KIT CONTINUED

	FT44327	HARDWARE SUBASSEMBLY
1	FT605	SLEEVE 1.000 X .563 X 1.855
1	FT606	SLEEVE .750 X .515 X .780
2	FT102	SLEEVE 1.000 X .732 X 3.280
4	FT1006	BUSHING C1500 L.T. LOWER
8	FT1004	SWAY BAR LINK BUSHING HALF
2	FT44317	LOWER SPRING PERCH NUT TAB
2	FT44135	BUMP STOP MOUNT TAB
2	FT44245	BRAKE LINE EXT
1	FT44246	TRACK BAR SUPPORT SPACER
2	FT44258	1/4 NUT TAB
1	FT44270	NUT TAB
1	FT50184	TRAC BAR SUPPORT NUT TAB
1	FTAS16	DRIVER WARNING DECAL
1	FTAS12	STICKER FT BLUE 10X4
1	FTREGCARD	REGISTRATION CARD
1	FT23092i	INSTRUCTIONS
1	FT44359	COIL RETAINER WASHER
1	FT44239	WASHER 4.250 X .510 X .250
4	FT404739	SWAY BAR LINK SLEEVES

	FT44346	HARDWARE SUBASSEMBLY
4	FTSP01029	HARDWARE PACK STEM BUSHING
2	FT86021	HARDWARE & BUSHING KIT 21
4	FT83076	1.5/1.75-2.25/2.5 RESI URETHANE
4	FT89016	#64 HOSE CLAMP
1	FT86008	HARDWARE & BUSHING KIT 8
2	FT604	SLEEVE 1.000 X .760 X 2.600
1	FT605	SLEEVE 1.000 X .563 X 1.855
1	FT606	SLEEVE .750 X .515 X .780
8	FT1004	SWAY BAR LINK BUSHING HALF
4	FT404739	SLEEVE OD 0.62 ID 12MM L.1.48
2	FT44317	LOWER SPRING PERCH NUT TAB
2	FT44135	BUMP STOP MOUNT TAB
2	FT44245	BRAKE LINE EXT
1	FT44246	TRACK BAR SUPPORT SPACER
2	FT44253	RADIUS ARM DROP NUT TAB
2	FT44258	1/4 NUT TAB
1	FT44270	NUT TAB
1	FT50184	TRAC BAR SUPPORT NUT TAB
1	FTAS16	DRIVER WARNING DECAL
1	FTAS12	STICKER FT BLUE 10X4
1	FTREGCARD	REGISTRATION CARD
1	FT23092i	INSTRUCTIONS
1	FT44359	COIL RETAINER WASHER
1	FT44239	WASHER 4.250X .510 X .250

- 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
- Die Grinder w/ Cutoff Wheel or Sawzall
- Drill w/ Assorted Bits

- 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.

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.

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.

RECOMMENDED TIRE/WHEEL SIZES -

Use 37x12.50/R17 tire w/ 17x9 wheels w/ 5” BS w/ minor trimming

Use 37x12.50/R18 tire w/ 18x9 wheels w/ 5” BS w/ minor trimming

Use 37x13.50/R20 tire w/ 20x9.5 wheels w/ 5” BS w/ minor trimming

Use 37x13.50/R22 tire w/ 22x9.5 wheels w/ 5” BS w/ minor trimming

FOOTNOTES -

- Does not fit power wagon models

- 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. **DRIVER SIDE ONLY** - Starting on the driver side, remove the driver side fender liner.
3. Remove the factory shock and discard. Retain factory lower hardware.
4. Disconnect factory sway bar links.
5. Remove factory coil spring and rubber isolator. Retain these parts for later use.
6. Remove the factory pitman arm and discard. Keep hardware.
7. Locate the new FT44172 Fabtech pitman arm and install. Do not reconnect the factory drag link at this time. Reinstall the factory lock washer plus thread locker. Torque to 220ft-lbs.
8. Unthread the factory drag link at the adjuster sleeve and remove adjuster sleeve. **SEE FIGURE 1**

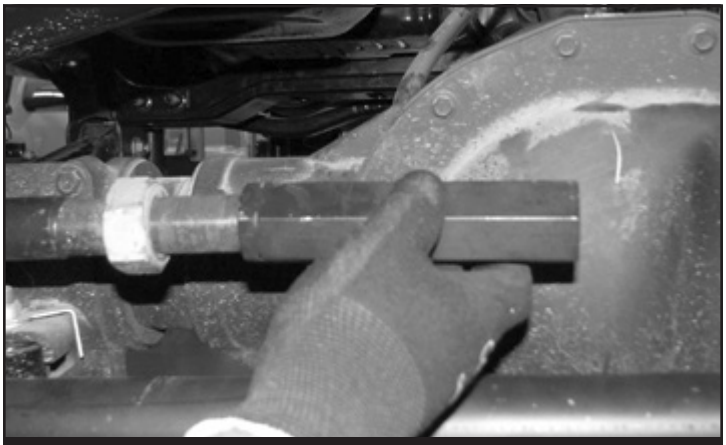


FIGURE 1 - STEP 8

9. Using a die grinder remove the flat non-threaded section from both ends of the drag link. This will allow you to rotate the drag link and line it up with the pitman arm. **SEE FIGURES 2-4**



FIGURE 2 - STEP 9

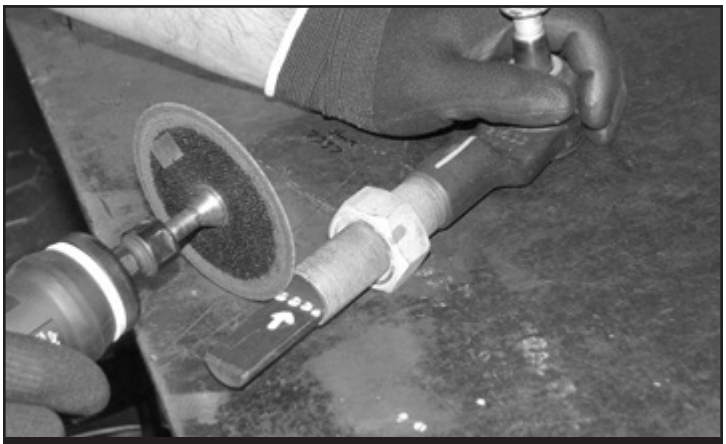


FIGURE 3 - STEP 9

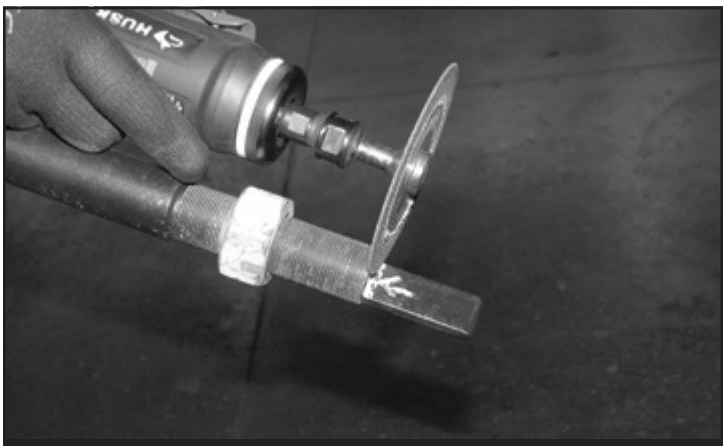


FIGURE 4 - STEP 9

10. Reassemble the drag link and connect it to the new pitman arm. **SEE FIGURE 5**

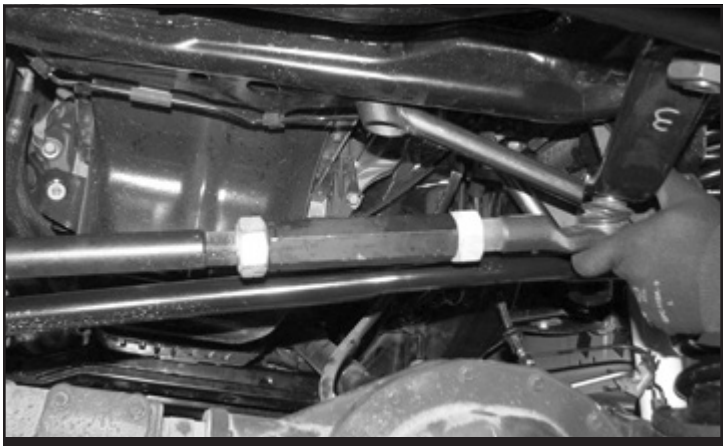


FIGURE 5 - STEP 10

11. Torque the drag link to 83 ft-lbs.

12. Remove the track bar from the frame side of the vehicle.

13. Locate the FT44236BK track bar bracket and M18–2.5 x 90mm bolt.

14. Slide the track bar bracket into the factory mount and insert the M18 bolt into the factory pivot hole. **SEE FIGURE 6**



FIGURE 6 - STEP 14

15. Rotate the bracket up until the end of the bracket is flush with the crossmember under the motor.

16. Using the Fabtech bracket as a guide, mark the factory mount for the upper driver side mounting hole.

17. Swing the bracket back out of the way. Using a ½“ drill bit, drill out the marked hole. **SEE FIGURE 7**

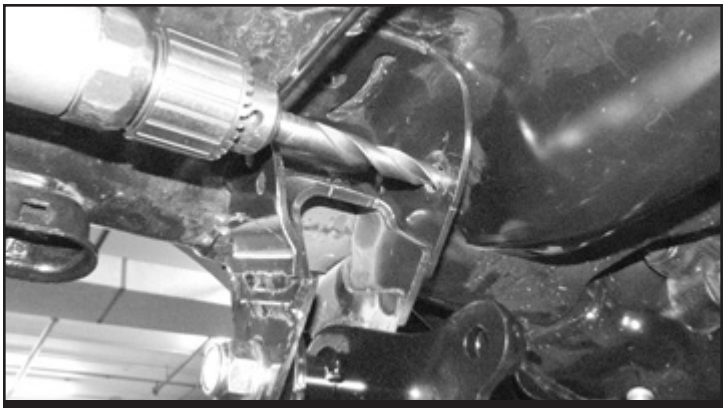


FIGURE 7 - STEP 17

18. Locate one FT44246 sleeve and two 1/2”-13 x 1-1/2” bolts, nuts and washers.

19. Rotate the track bar bracket back into place and bolt together using 1/2”-13 x 1-1/2” bolt and the sleeve. **SEE FIGURES 8-9**

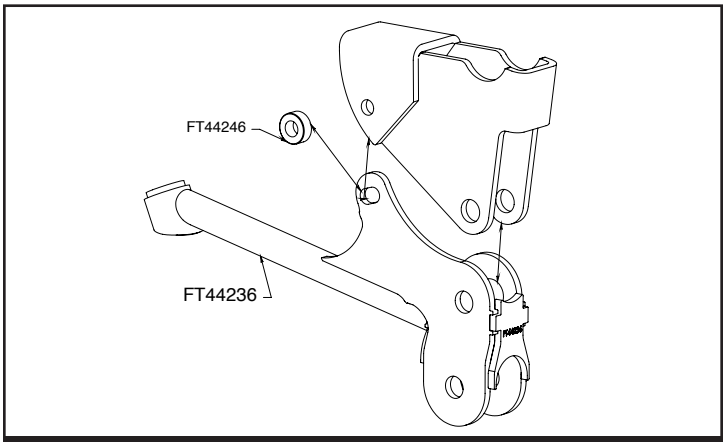


FIGURE 8 - STEP 19

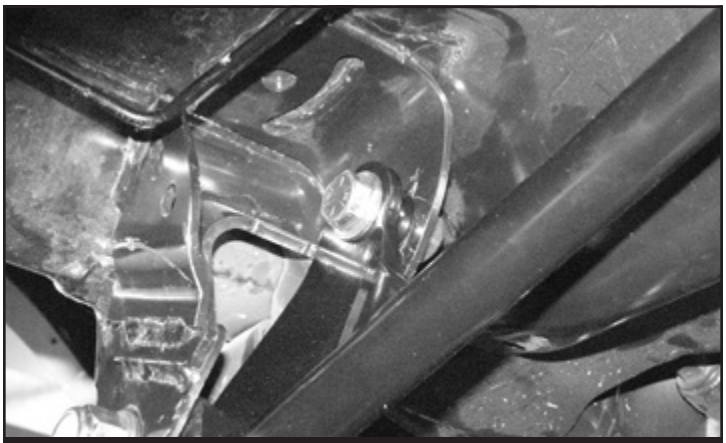


FIGURE 9 - STEP 19

20. Using the Fabtech bracket as a guide, drill a 1/2” hole in the cross member under the motor. Next, mount using 1/2”-13x1.5” and washer. **SEE FIGURE 10**

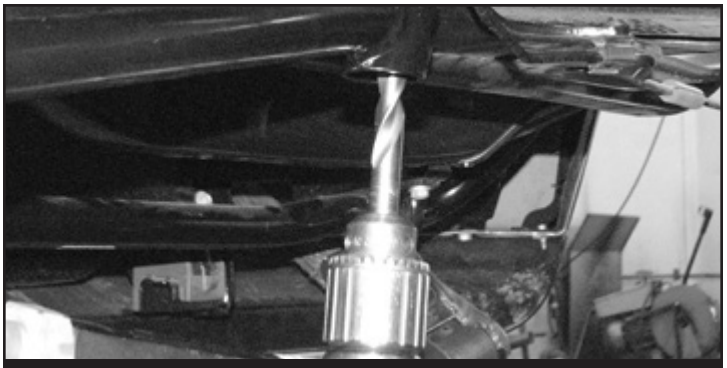


FIGURE 10 - STEP 20

21. Remove the factory coil springs and lower rubber isolators. **SEE FIGURE 11**

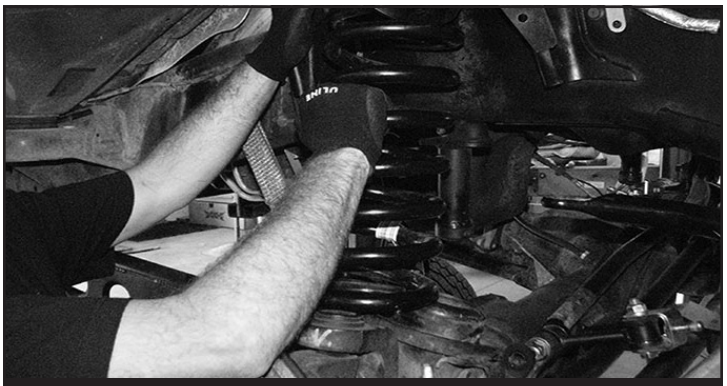


FIGURE 11 - STEP 21

22. (DRIVER SIDE) Locate FT44356BK (Coil Retainer), FT44359 (Washer), 1/2”-13 X 4” Bolt, nut and washer. (Driver side) Remove the bolts attaching the ABS module to the spring perch and install the 1/2” bolt and FT44359. Install the FT44356BK (Retainer) and 1/2” washer and nut. Torque to 100 ft-lbs. **SEE FIGURE 12 (PASSENGER SIDE)** Repeat the same process using FT44239 (Washer). **SEE FIGURE 13**

NOTE: IF INSTALLING DUAL SHOCKS DO SO NOW WITH THE INSTRUCTIONS PROVIDED



FIGURE 12 - STEP 22

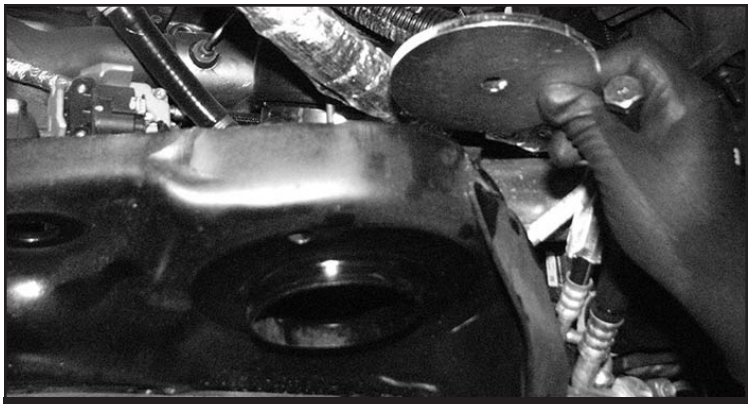


FIGURE 13 - STEP 23

23. Locate FT44298BK (lower spring perch spacer), FT44317 (lower spring perch nut tab) and 5/16” hardware. Install the new spring spacer by lining up the existing rear hole. Use the 5/16” hardware and FT44317 nut tab. **SEE FIGURE 14**



FIGURE 14 - STEP 23

24. Using the existing spacer hole as a guide, drill through the factory spring perch using a 11/32” drill bit and install the 5/16” hardware to 29 ft-lbs. **SEE FIGURES 15-16**



FIGURE 15 - STEP 21

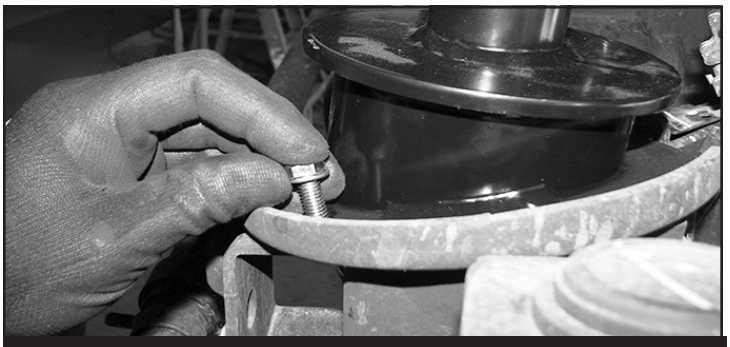


FIGURE 16 - STEP 22

25. Remove and save the factory rubber bump stop. **SEE FIGURE 17.** Insert the factory rubber bumpstop into the new Fabtech bumpstop bracket (FT44518). Using a 1/4" drill, drill a hole through the factory rubber bumpstop using the new bracket as a guide. Then install the supplied 1/4" X 2-1/2" hardware. Torque to 14 ft-lbs. **SEE FIGURE 18**



FIGURE 17 - STEP 25



FIGURE 18 - STEP 25

26. Using a die grinder, grind out the stamped in tabs on the inside of the bump stop housing. **SEE FIGURES 19-20**



FIGURE 19 - STEP 26

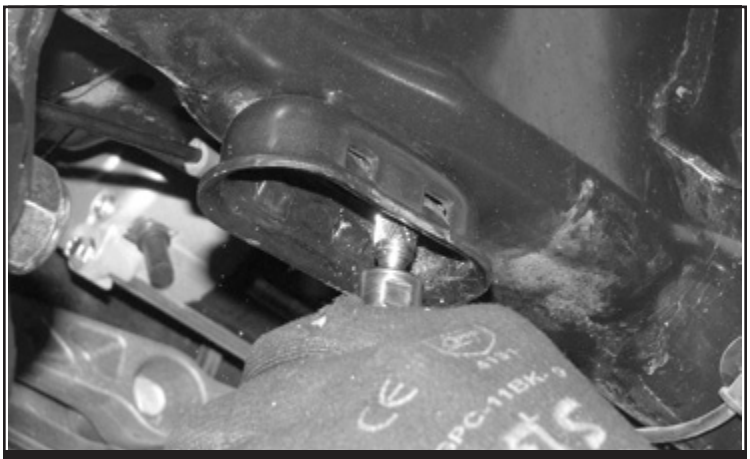


FIGURE 20 - STEP 26

27. Using a 1/2" drill bit, drill out the hole in the factory crossmember in-line with the factory bump stop mount. **SEE FIGURE 21**

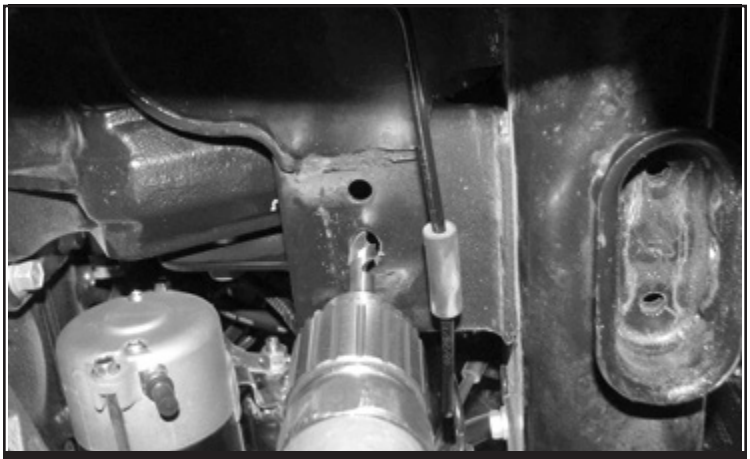


FIGURE 21 - STEP 27

28. Slide the bump stop into the factory bump stop mount. Using a 1/2"-13 x 1-1/4" bolt and the FT44135 (nut tab), bolt the bump stop to the crossmember. Torque the 1/2" bolt to 90 ft-lbs. **SEE FIGURES 22-24**



FIGURE 22 - STEP 28

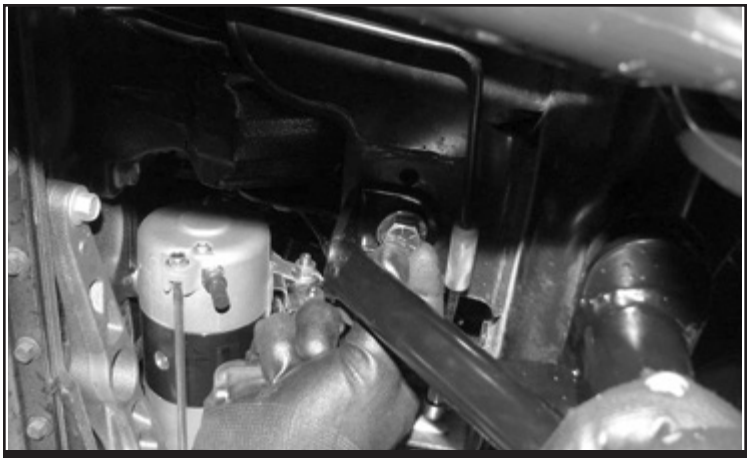


FIGURE 23 - STEP 28



FIGURE 24 - STEP 28

29. Using the outer tab on the bump stop as a drill guide, drill a 5/16” hole all the way through the factory bump stop mount. **SEE FIGURE 25**

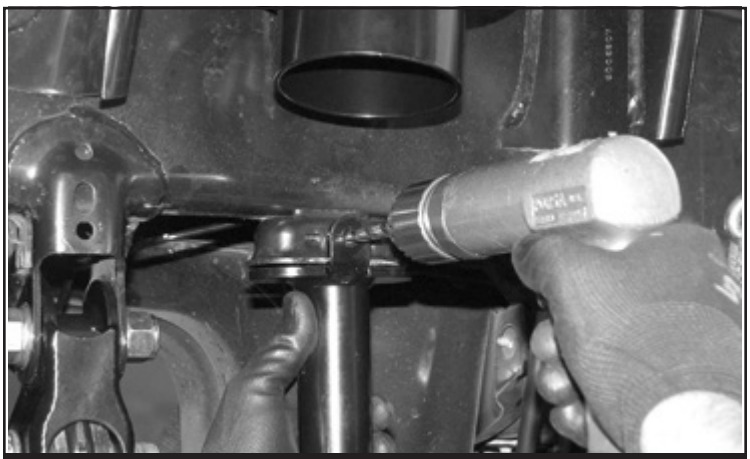


FIGURE 25 - STEP 29

30. Locate a 5/16” x 2-1/2” bolt, nut and washers. Using this bolt, secure the bump stop to the factory bump stop mount and torque to 29 ft-lbs. **SEE FIGURE 26**

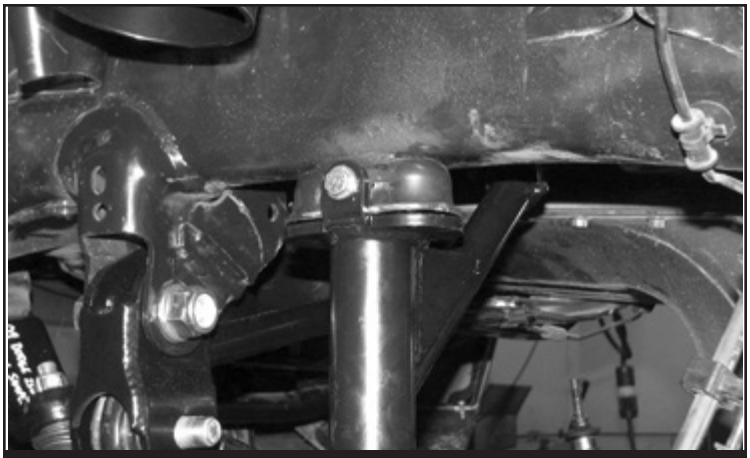


FIGURE 26 - STEP 30

31. Repeat steps 2-29 on the passenger side.

32. Secure the front diff. Remove the factory driver and passenger side Radius arm. Retain Hardware. **SEE FIGURES 27-28**

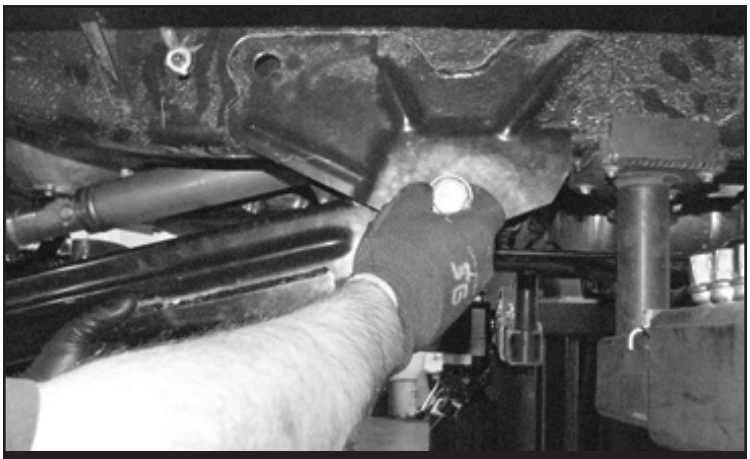


FIGURE 27 - STEP 32

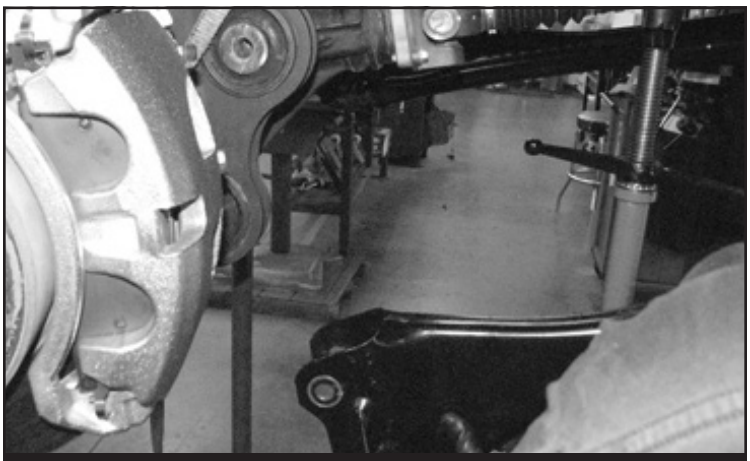


FIGURE 28 - STEP 32

NOTE: IF INSTALLING FABTECH RADIUS ARMS SKIP TO STEP 44

33. Remove the factory crossmember and skid plate that is mounted between the factory radius arm pockets. Retain Hardware. **SEE FIGURE 29**



FIGURE 29 - STEP 33

34. Trim 1/2" off both driver and passenger ends of the crossmember leaving a ¼" border perpendicular to the bolt holes. This will be done to add clearance for the Fabtech radius arm brackets. **SEE FIGURES 30-31**

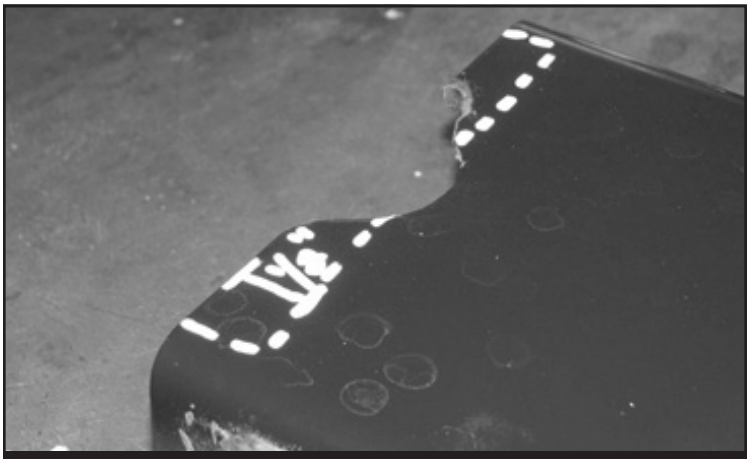


FIGURE 30 - STEP 34



FIGURE 31 - STEP 34

35. Reinstall the factory crossmember and torque to 200 ft-lbs.

36. Locate the Fabtech FT44232BK Radius arm drop bracket and the drill template in the instructions **(Page 25)**. Cut out the template.

37. Line up the drill template with the factory Radius arm bracket and mark the two holes around the radius arm pivot bolt. **SEE FIGURE 32**

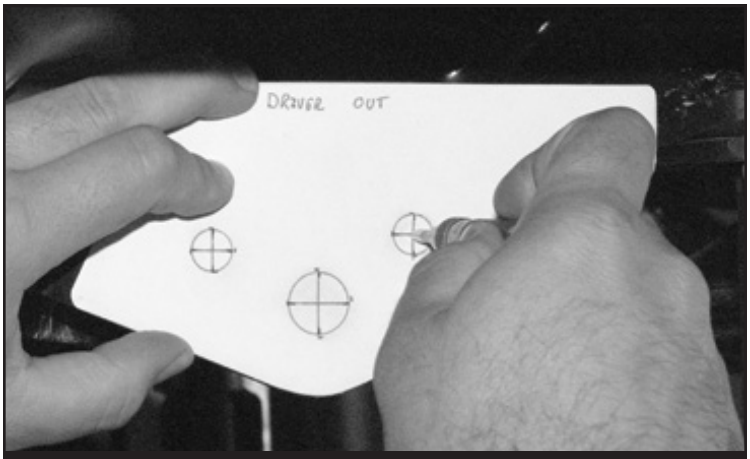


FIGURE 32 - STEP 37

38. Using a ½" drill bit, drill all the way through both sides of the factory radius arm mount. **SEE FIGURES 33-34**

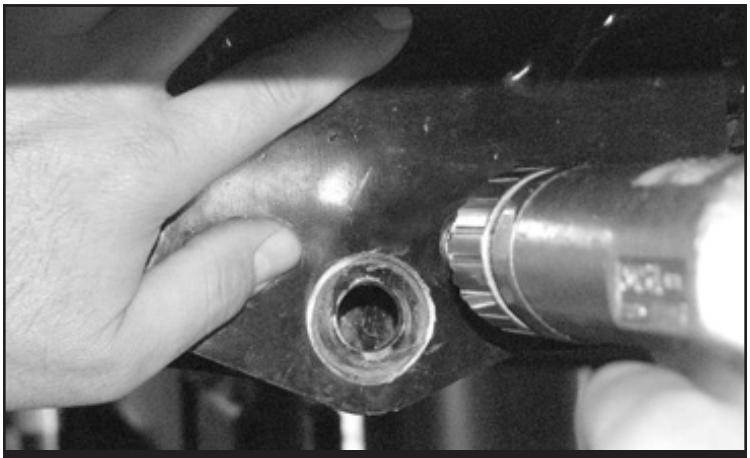


FIGURE 33 - STEP 38

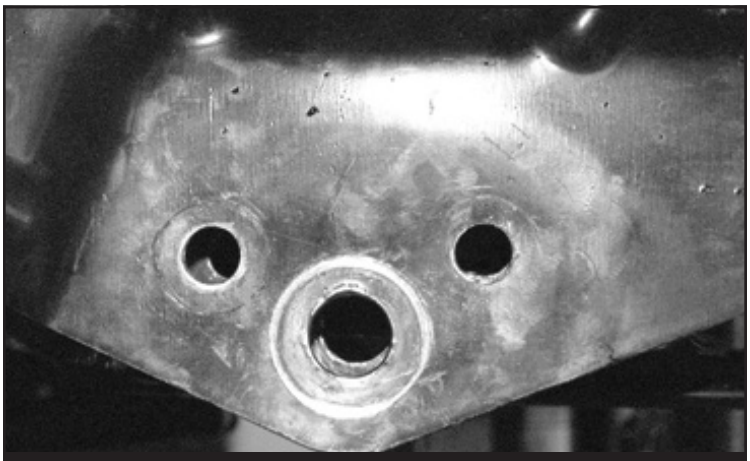


FIGURE 34 - STEP 38

Repeat steps 37-38 on the passenger side.

39. Slide the Fabtech radius arm mount into the factory pocket with the frame tab facing the front of the truck. **SEE FIGURE 35**

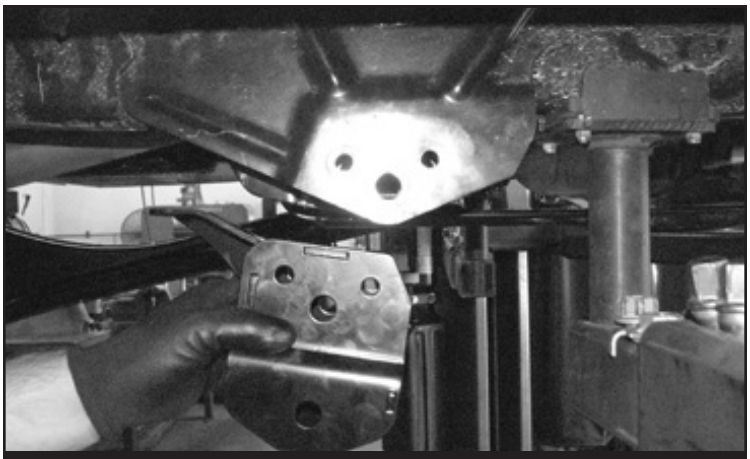


FIGURE 35 - STEP 39

40. Locate four 1/2"-13 x 1-1/4" bolts, nuts and washers. Use these bolts to mount the radius arm drop bracket to the factory bracket. Leave loose at this time. **SEE FIGURE 36**



FIGURE 36 - STEP 40

41. Locate the M18-2.5 x 120MM bolt, nut and washers. Pass the 18mm bolt through the factory pivot hole into the FT604 sleeve. Torque the 18mm bolt to 200 ft-lbs and the four ½" bolts to 127 ft-lbs. **SEE FIGURES 37-39**



FIGURE 37 - STEP 41

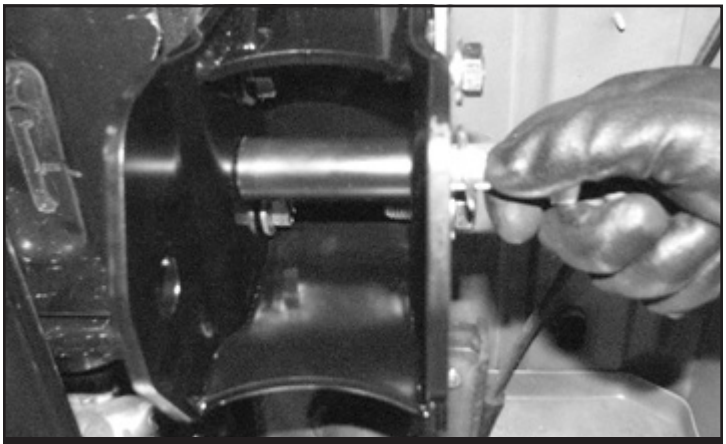


FIGURE 38 - STEP 41

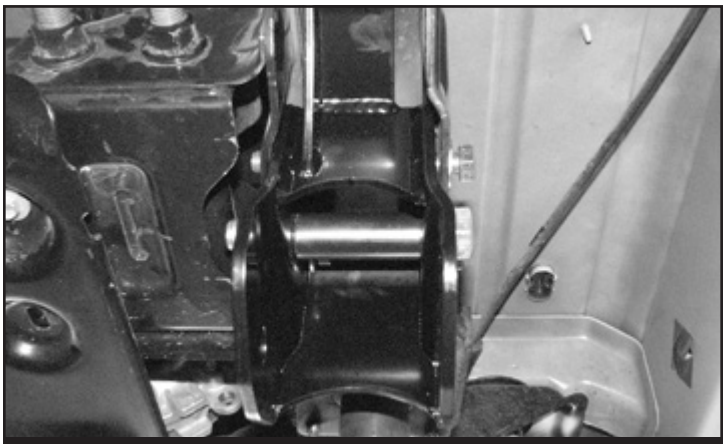


FIGURE 39 - STEP 41

42. Using the Fabtech the radius arm drop bracket as a drill guide, drill a ½ hole through the bottom of the frame. **SEE FIGURE 40**

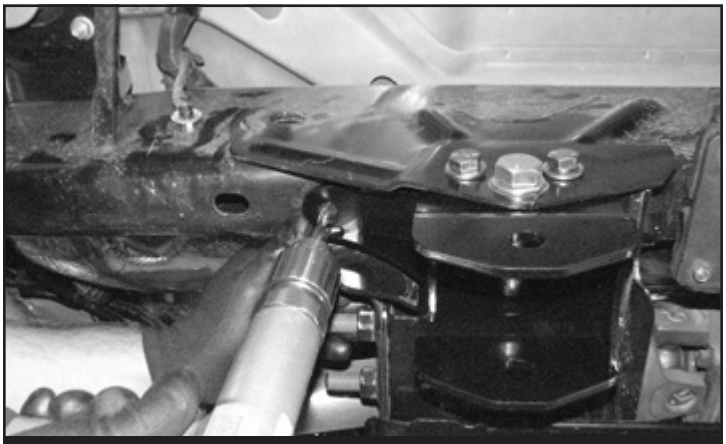


FIGURE 40 - STEP 42

43. Locate a 1/2"-13 x 1-1/4" bolt and the FT44253 nut tab. Pass the nut tab through the hole in the frame forward of the radius arm drop bracket. Connect the bolt and the nut tab through the radius arm drop bracket and the frame. Torque to 127 ft-lbs. **SEE FIGURES 41-43**



FIGURE 41 - STEP 43

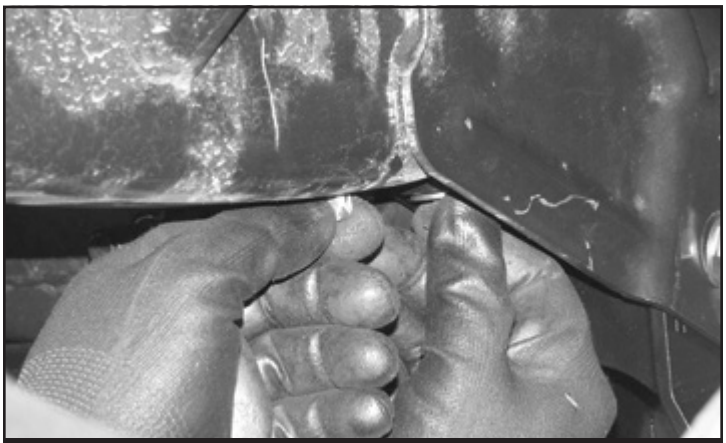


FIGURE 42 - STEP 43

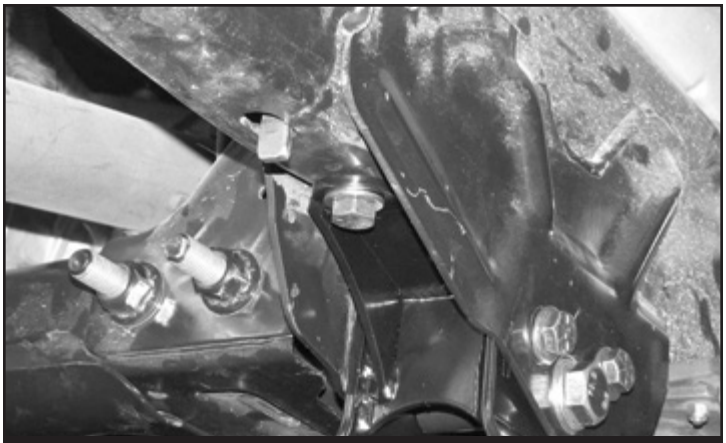


FIGURE 43 - STEP 43

REPEAT STEPS 39-43 ON THE PASSENGER SIDE

44. Reinstall the factory radius arms with the factory hardware and torque to 200 ft-lbs. **SEE FIGURES 44-47**



FIGURE 44 - STEP 44

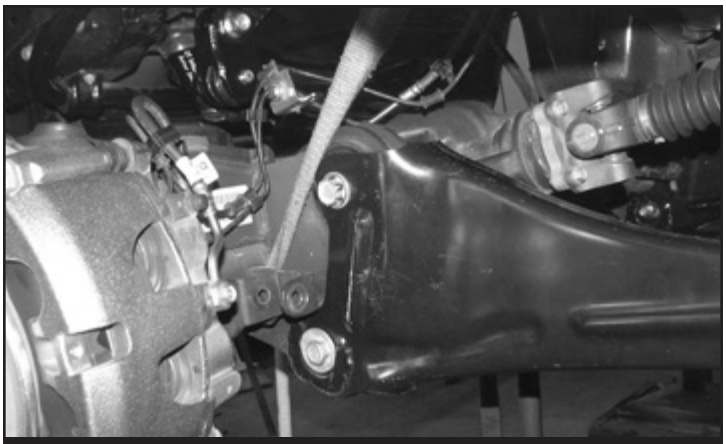


FIGURE 45 - STEP 44



FIGURE 46 - STEP 44

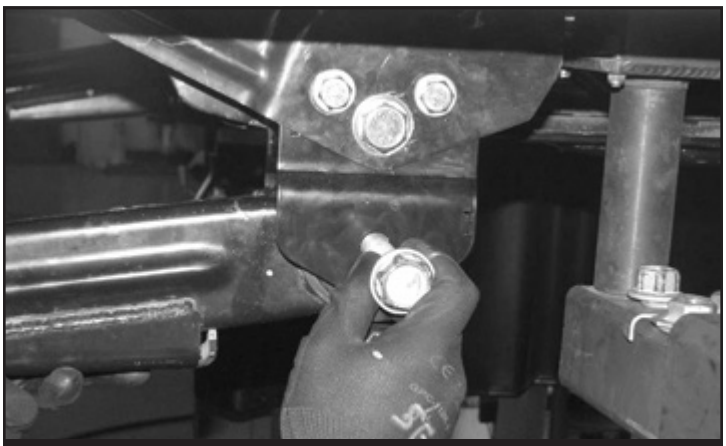


FIGURE 47 - STEP 44

IF INSTALLING FABTECH RADIUS ARMS FOLLOW STEPS 45-50

45. Locate the FT44449 Driver side radius arm, FT1006 bushing, FT102 sleeve, and zerk fitting.

46. Install two bushings, one sleeve, and the zerk fitting into the barrel of the radius arm. **SEE FIGURES 48-50**

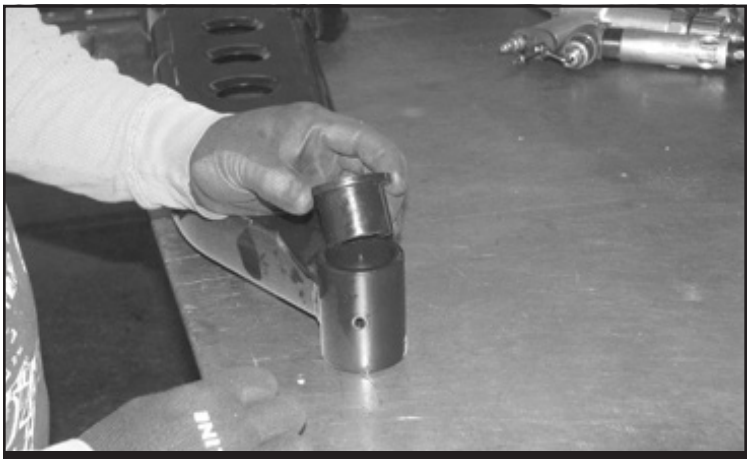


FIGURE 48 - STEP 46

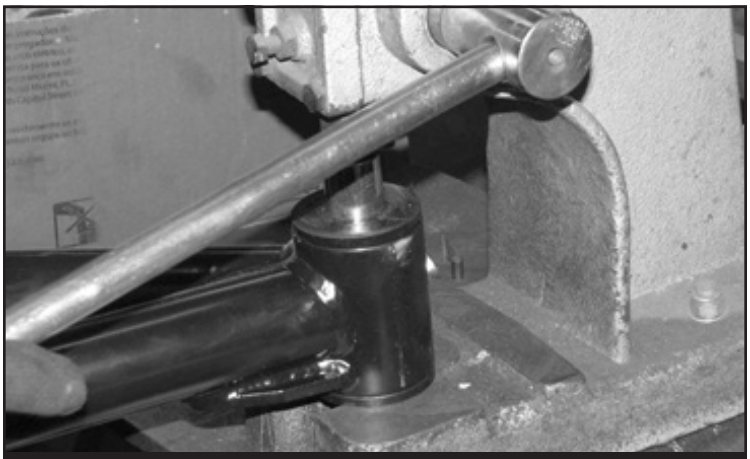


FIGURE 49 - STEP 46



FIGURE 50 - STEP 46

47. Install the new Fabtech radius arms into the factory frame pocket and onto the axle bushings using the factory hardware. Torque the factory bolts to 200 ft-lbs. **SEE FIGURES 51-53**

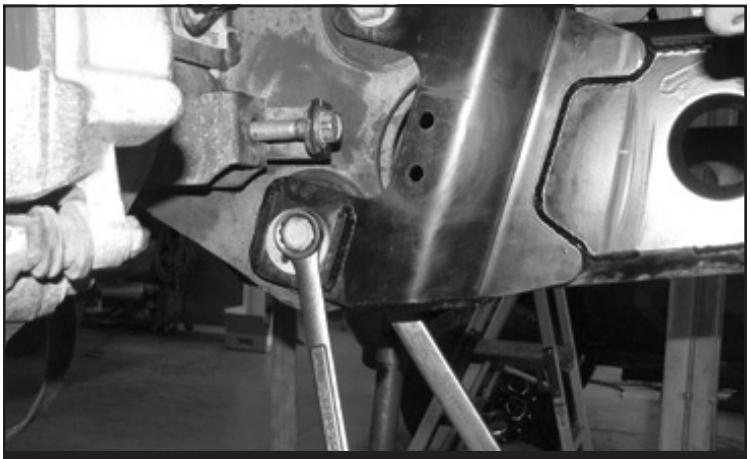


FIGURE 51 - STEP 47



FIGURE 52 - STEP 47

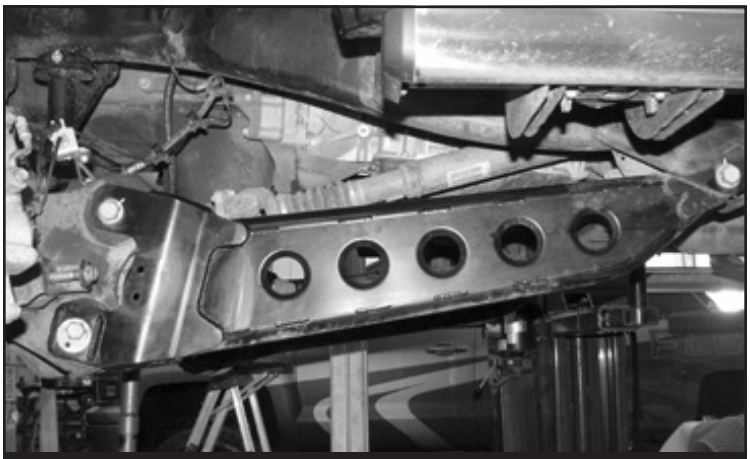


FIGURE 53 - STEP 47

48. Locate and install the new coil spring (FT44316BK) using the upper factory coil spring isolator. The lower isolator will not be used. **SEE FIGURE 54**

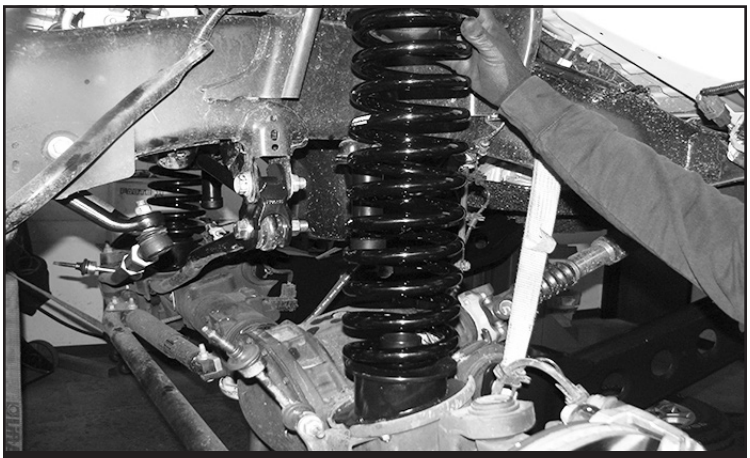


FIGURE 54 - STEP 48

REPEAT STEP 48 ON PASSENGER SIDE

49. Locate the FT44245 Brake line extension, FT44258 nut tab and two 1/4”-20 x 1” bolts. Attach the brake line extension to the axle using one bolt and the nut tab. Attach the factory brake line bracket to the Fabtech extension. Torque to 10 ft-lbs. Repeat this step on the passenger side. **SEE FIGURES 55-57**

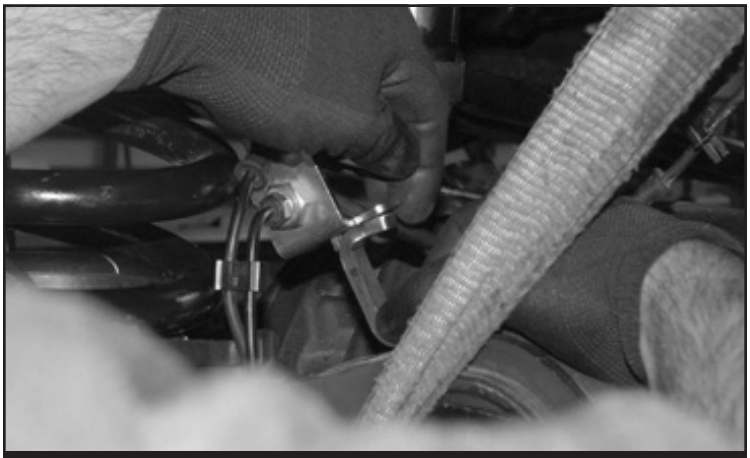


FIGURE 55 - STEP 49

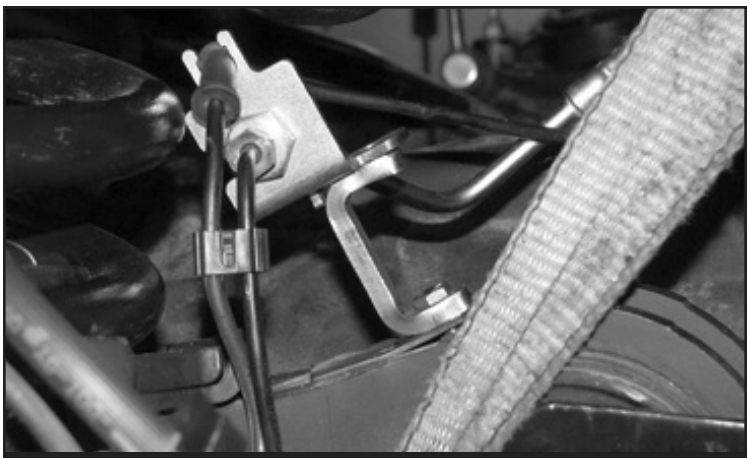


FIGURE 56 - STEP 49



FIGURE 57 - STEP 49

50. Locate the FTS7343 (Performance), FTS6343 (Stealth) or the FTS811031 (Dirt Logic) shock and install into the factory shock mounts. If installing Dirt Logic use FT86008 hardware bag. Torque the upper mount to 14 ft-lbs and the lower 37 ft-lbs. **SEE FIGURES 58-59**



FIGURE 58 - STEP 50



FIGURE 59 - STEP 50

51. Reconnect the factory sway bar. Torque to 29 ft-lbs. **SEE FIGURE 60**

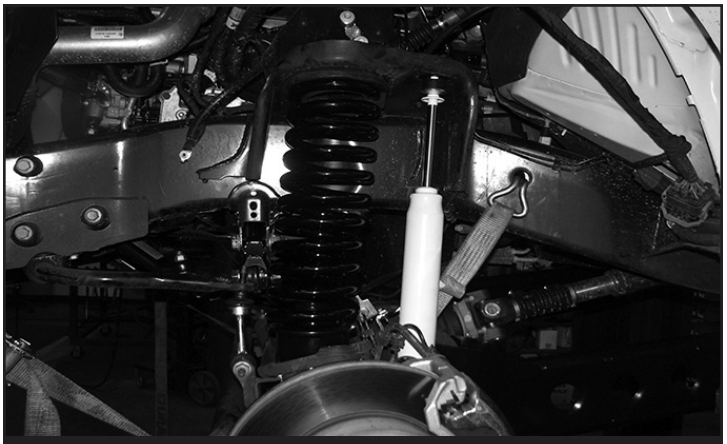


FIGURE 60 - STEP 51

REAR SUSPENSION

52. Jack up the rear end of the vehicle and support the frame rails with jack stands and remove wheels and tires. Remove the rear driver and passenger inner fender liners. **SEE FIGURE 61**



FIGURE 61 - STEP 52

53. Disassemble the rear track bar from the axle side and keep hardware for re-installation. Remove and discard factory sway bar end links and shocks, save lower shock hardware for re-installation. Slowly lower the rear axle and remove and save the rear factory springs and rubber isolators for re-installation. Remove bump stops and hardware from the vehicles frame and keep for re-installation.

54. Locate the hole on the front side of the rear drivers side axle bump stop pad. Drill out this hole to 7/8". **SEE FIGURES 62-63**



FIGURE 62 - STEP 54

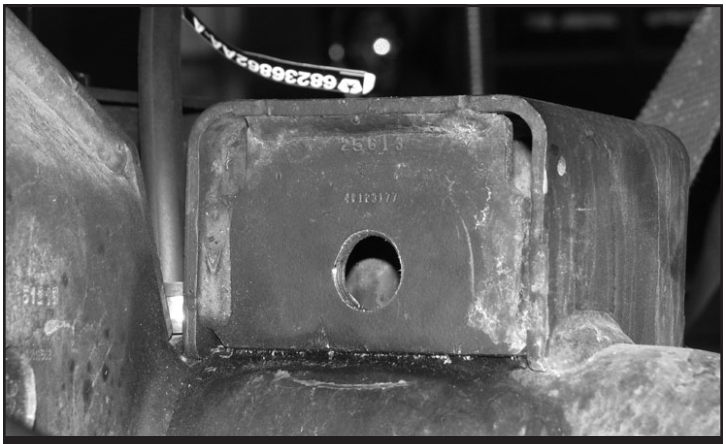


FIGURE 63 - STEP 54

55. Next, on the rear side of the same bump stop pad. Remove the factory brake line bracket and relocate it ¾"- left and 1-1/4" down using a 17/64" bit. Drill another 17/64" hole 5/8" below to allow the factory bracket to set in. **NOTE: ONLY DRILL THROUGH BUMP STOP PAD, DRILLING TO FAR WILL RESULT IN DAMAGE TO AXEL TUBE. SEE FIGURES 64-65**



FIGURE 64 - STEP 55

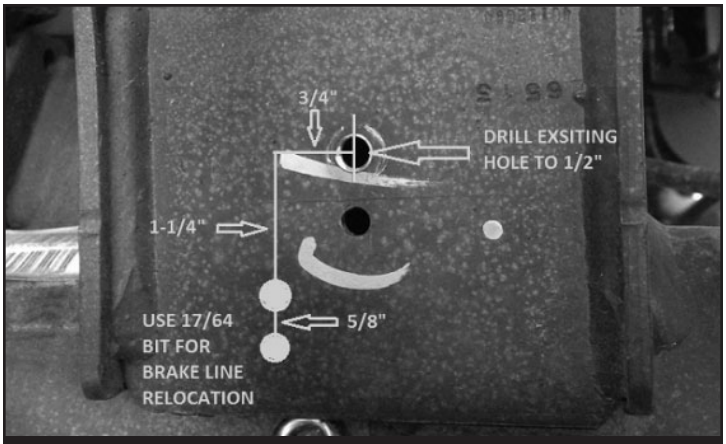


FIGURE 65 - STEP 55

56. Next, using a ½" bit, drill the old brake line bracket hole to allow for the new track bar support bracket in a future step. **SEE FIGURE 66**

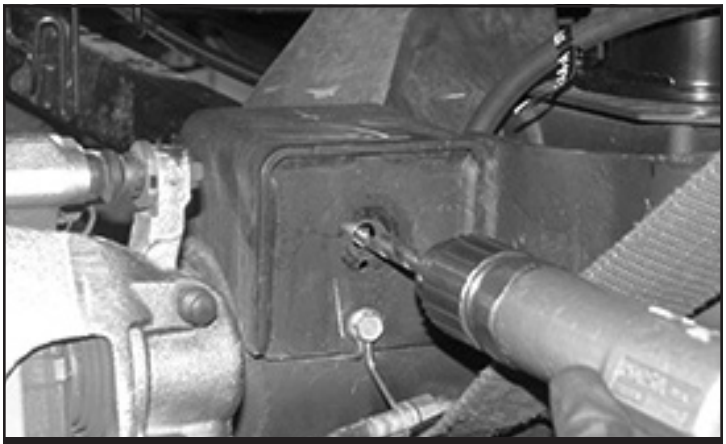


FIGURE 66 - STEP 56

57. Locate the FT44269BK rear track bar support bracket. TRIMMING MAY BE REQUIRED TO INSTALL THE NEW FT44269BK REAR TRACK BAR SUPPORT BRACKET. **SEE FIGURE 67**

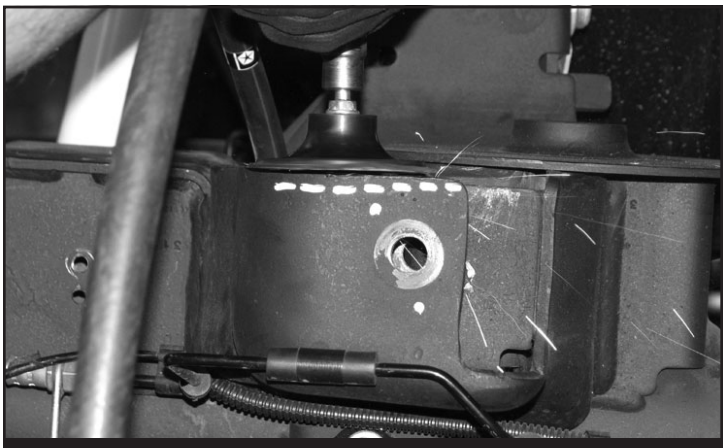


FIGURE 67 - STEP 57

58. **NOTE: If installing on 2017 or newer skip to step 60.** Install the FT44269BK using the factory track bar bolt. Mark holes for drilling on the factory track bar bracket Remove the bolt and drill out the hole on the factory track bar bracket using a ½" drill bit. **SEE FIGURES 68-70**

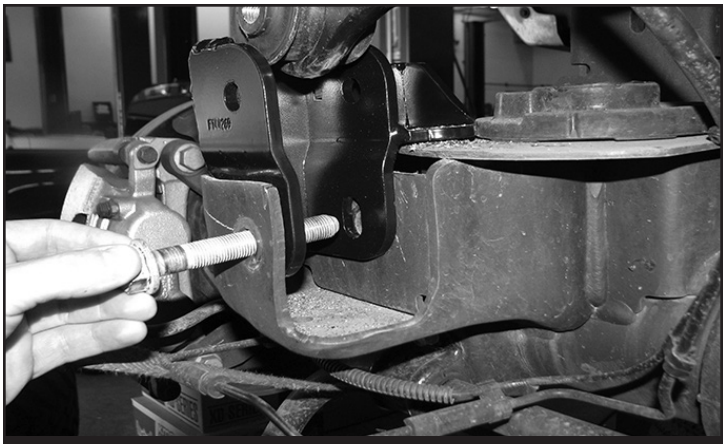


FIGURE 68 - STEP 58

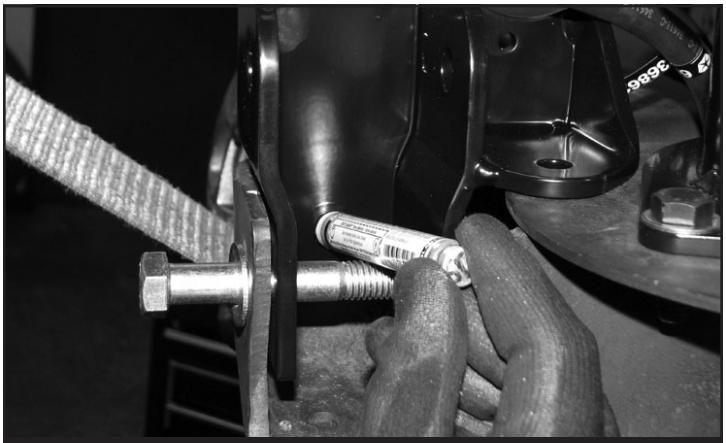


FIGURE 69 - STEP 58



FIGURE 70 - STEP 58

59. Install the supplied ½”-13 x 2-1/4” bolt, nut, washers and FT606 sleeve as shown below. **DO NOT TIGHTEN.**
SEE FIGURES 71-72

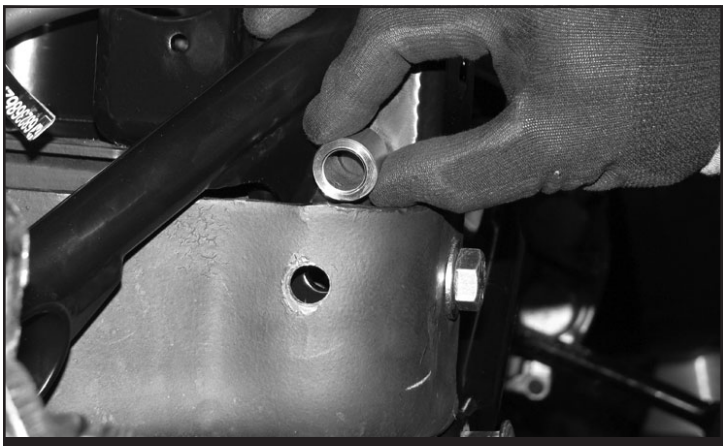


FIGURE 71 - STEP 59



FIGURE 72 - STEP 59

60. Install the factory track bar pivot bolt and hardware along with FT605 Sleeve. Torque to 160 ft-lbs. Next, torque the ½” bolt on the same bracket to 127 ft-lbs.
SEE FIGURES 73-74

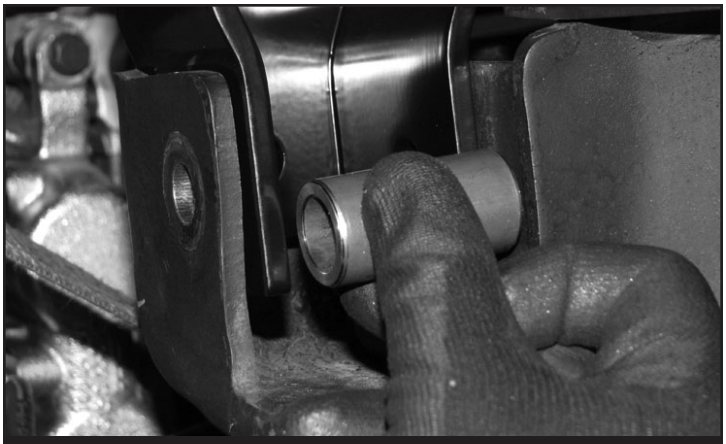


FIGURE 73 - STEP 60

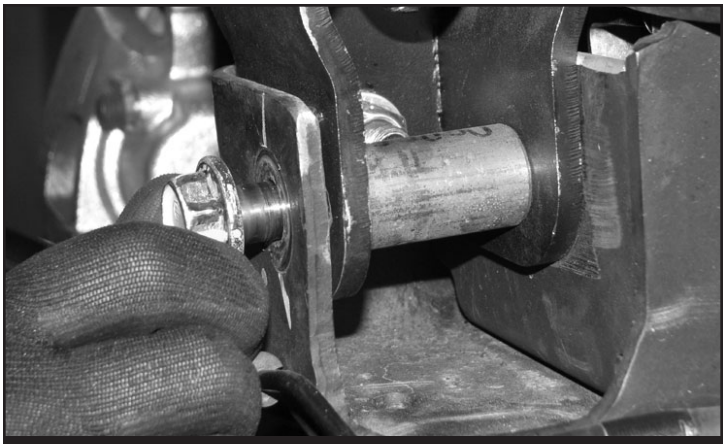


FIGURE 74 - STEP 60

61. Locate FT44270 nut tab, ½”-13 x 1-1/4” bolt and washer and install into the track bar support bracket through the bump stop pad. Torque to 127 ft-lbs.
SEE FIGURES 75-77



FIGURE 75 - STEP 61



FIGURE 76 - STEP 61



FIGURE 77 - STEP 61

62. Using a 7/16” drill bit, drill through the existing hole on the track bar bracket into the top of the spring perch. **SEE FIGURE 78**



FIGURE 78 - STEP 62

63. Locate and install the supplied 7/16”-14 x 1-1/4” bolt, washer and FT50184 Track Bar Support Nut Tab. Torque to 83 ft-lbs. **SEE FIGURES 79-80**

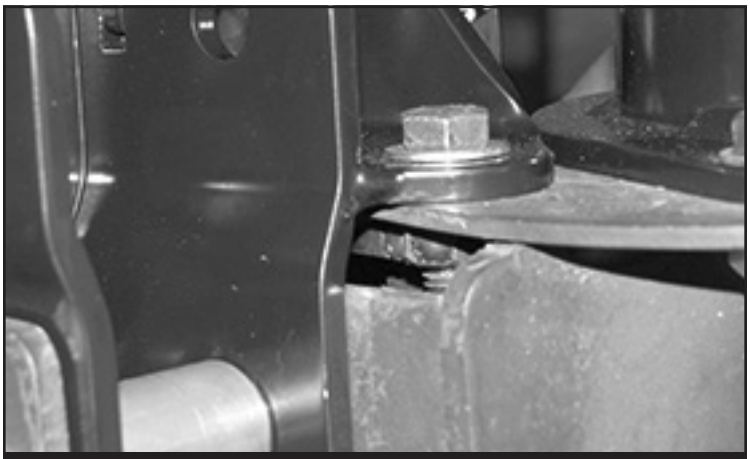


FIGURE 79 - STEP 63



FIGURE 80 - STEP 63

64. Locate the supplied ¼”-20 x 1” bolt, nut, washers and FTCLAMP-LB10 rubber cushioned clamp and install on the rear axle breather tube, mounting it to the hole provided on the new track bar bracket. Torque to 14 ft-lbs. **SEE FIGURE 81**

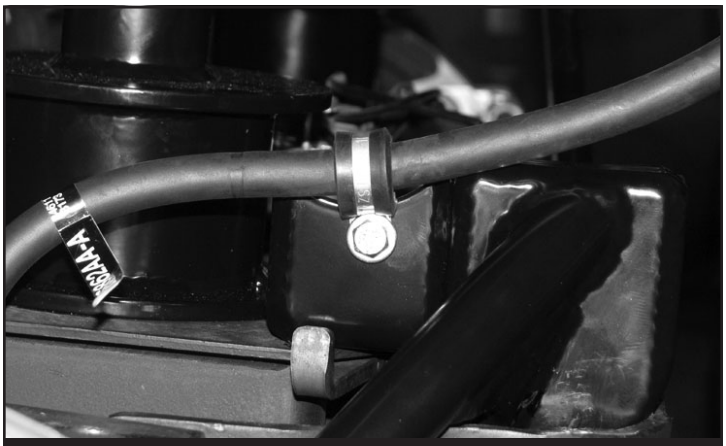


FIGURE 81 - STEP 64

65. Locate the FT44268BK rear bump stop spacer and supplied 7/16”-14 x 1-1/4” bolts, nuts, and washers. Install the FT44268BK spacer with the factory bolts that were removed during disassembly. Then, install the factory bump stop onto the spacer bracket with the supplied 7/16” hardware. Torque to 58 ft-lbs. **SEE FIGURE 82**

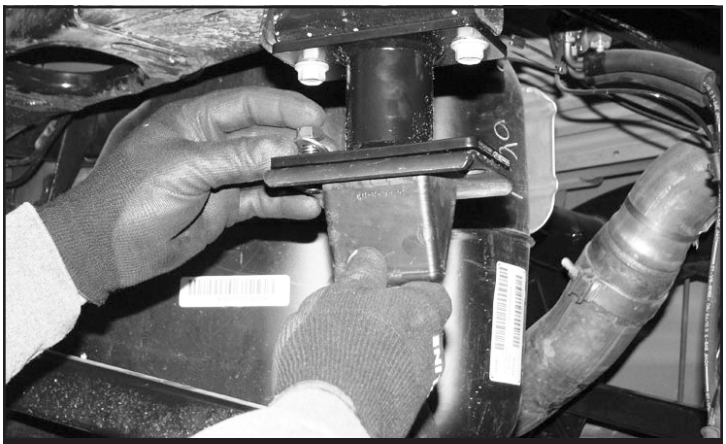


FIGURE 82 - STEP 65

66. Locate and Install (FT44279BK) Fabtech rear spring using the factory rubber isolators as shown. **SEE FIGURE 83**

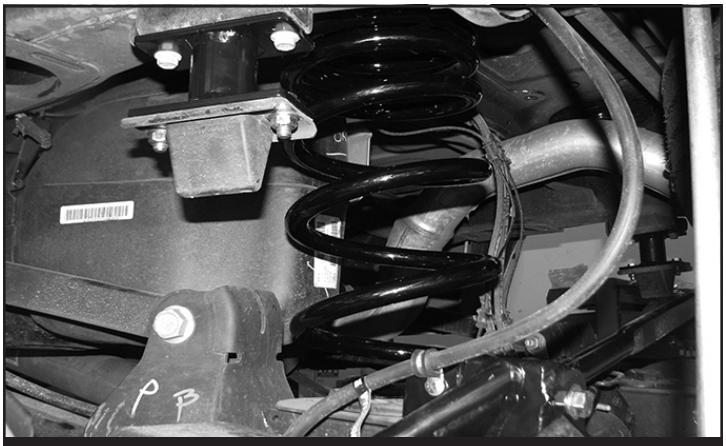


FIGURE 83 - STEP 66

67. Locate the supplied 9/16”-18 x 3-1/2” bolt, nut and washers and install the rear track bar into the new location. Torque to 184 ft-lbs. **SEE FIGURE 84**

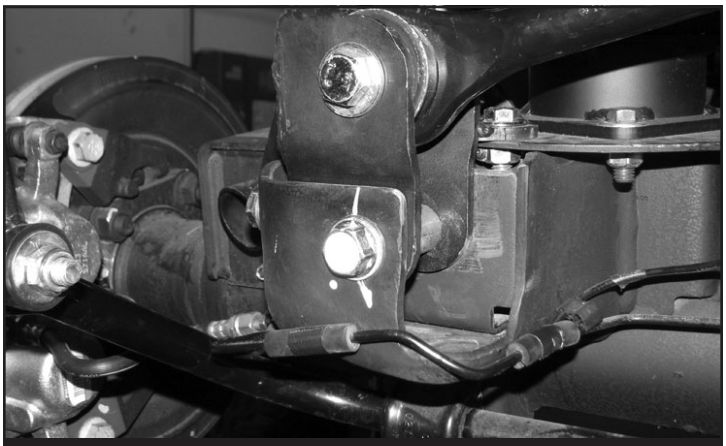


FIGURE 84 - STEP 67

68. Locate the FT1599-2-4 (5” zinc sway bar links) and supplied M12-1.75 x 70mm bolts, Nylok nuts and washers. Install the supplied bushings and sleeves. **SEE FIGURES 85-86**



FIGURE 85 - STEP 68



FIGURE 86 - STEP 68

69. Install the new end links with the supplied M12-1.75 x 70mm bolts, Nylok nuts and washers and torque to 100 ft-lbs. **SEE FIGURES 87-88**



FIGURE 87 - STEP 69



FIGURE 88 - STEP 69

70. Locate the rear shocks that were supplied with the kit: Part numbers vary between kits. (FTS7188- Performance Shock) (FTS811041- Dirt Logic 2.25 Shock)

71. Press the supplied sleeve into the lower bushing and install the rear shocks with the supplied washers and bushings. Next, torque the upper nut to 14 ft-lbs and the lower to 37 ft-lbs. **SEE FIGURES 89-91**



FIGURE 89 - STEP 71

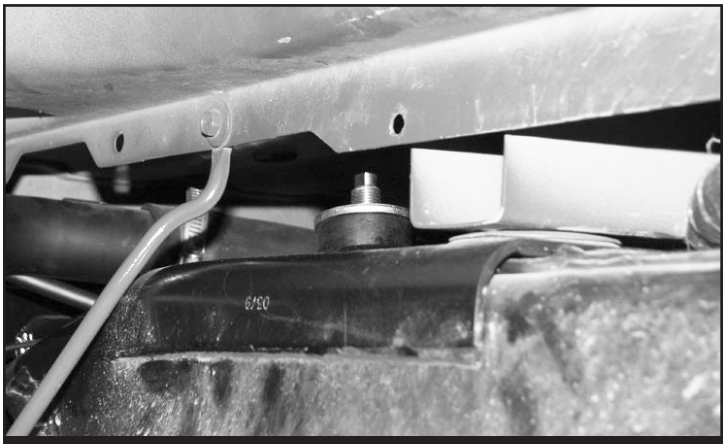


FIGURE 90 - STEP 71



FIGURE 91 - STEP 71

72. Re-Install both front and rear inner fender liners.

73. 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.**

74. Check front end alignment and set to factory specifications. Readjust headlights.

75. Recheck all bolts for proper torque.

76. Recheck brake hoses, ABS wires and suspension parts for proper tire clearance while turning tires fully left to right.

77. 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.**

78. 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

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