

65878

# FULL THROTTLE SUSPENSION

2014-2015 Dodge 2500 10" 4 LINK Kit W/ Coil Springs



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## 66878-6 Component Box

- 1) Left Upper Arm
- 1) Right Upper Arm
- 1) Left Lower Arm
- 1) Right Lower Arm
- 1) Left 4 Link Bracket
- 1) Right 4 Link Bracket
- 1) Steering Drag Link W/ Ball Joint Pressed In  
(W / Tapered Knuckle Sleeve)
- 1) Track Bar Support Bar

## Hardware Bag 1

- 8) 1/2" x 1 1/2" Bolts
- 8) 1/2" Nut Inserts
- 8) 1/2" Washers
- 2) 18mm x 120mm Bolts
- 2) 18mm Nylock Nuts
- 4) 18mm Washers
- 8) MO2918 Bushings
- 4) DS3642 Sleeves .750 ID x 1.0 OD x 2.75 Long
- 2) Grease Pack
- 4) 1/4-28 Grease Fitting

## 66878-4 Component Box

- 1) Track Bar Drop Bracket
- 2) 3/8" Sway Bar Offset Plates
- 2) Sway Bar End Links 13 1/2" (CURVED)

## Hardware Bag 2

- 1) Pitman Arm Sleeve
- 1) 1 3/8" Hardened Washer
- 1) 7/16" Nuts Wedge Long
- 1) 7/16" x 1 1/4" Bolt
- 2) 7/16" Washers
- 5) 1/2" x 1 1/2" Bolts
- 4) 1/2" Nut Inserts
- 1) 1/2" Nylock Nut
- 4) 1/2" Washers
- 1) 18mm X 90mm Bolts
- 1) 18mm Nylock Nuts
- 2) 18mm Washers

## Hardware Bag 3

- 2) U Brackets
- 7) 7/16" Nylock Nuts
- 7) 7/16" Washers
- 4) 1/2" x 3" Bolts
- 4) 1/2" Nylock Nut
- 8) 1/2" Washers
- 2) 7/16" x 1 1/4" Bolt
- 2) 7/16" Nylock Nut
- 4) 7/16" Washers
- 4) S56250 Sleeves
- 4) 2201 Bushings

## Hardware Bag 4

- 1) BL507 Left Front Brake Line Bracket
- 1) BL508 Right Front Brake Line Bracket
- 1) BL520 Brake Line Bracket
- 4) 5/16" X 1" Bolts
- 4) 5/16" Nylock Nuts
- 8) 5/16" Washers

## 65854-7 Component Box

- 1) Transmission Cross Member

## 66875-10 10" Front Coil Springs

- 2) 10" Front Coil Springs

## 65878-7 Component Box (REAR)

- 1) Driver Inner Trailing Arm Bracket
- 1) Driver Outer Trailing Arm Bracket
- 1) Passenger Inner Trailing Arm Bracket
- 1) Passenger Outer Trailing Arm Bracket
- 1) Track Bar Bracket
- 1) 30 1/4" Track Bar Support Bar
- 2) 7 1/2" Coil Spacers
- 2) 7 1/2" Rear Bump Stops
- 2) Sway Bar End Links 15"

## Hardware Bag 5

- 2) 5/16" Thick Spacers
- 2) 3/4" x 5 1/2" Bolts
- 4) 3/4" x 6" Bolts
- 6) 3/4" Nylock Nuts
- 12) 3/4" Washers

## Hardware Bag 6

- 4) 1/2" x 3" Bolts
- 4) 1/2" Nylock Nut
- 8) 1/2" Washers
- 4) S56250 Sleeves
- 4) 2201 Bushings

## Hardware Bag 7

- 5) 7/16" x 1 1/4" Bolt
- 1) 7/16" x 1 1/2" Bolt
- 6) 7/16" Nylock Nut
- 12) 7/16" Washers

## Hardware Bag 8

- 1) 9/16" x 4 1/2" Bolt
- 1) 9/16" Nylock Nut
- 2) 9/16" Washers
- 1) S2842 Sleeve .565 x 1.0 x 2.150 Sleeves
- 1) 1/2" x 1 1/2" Bolts
- 1) 1/2" x 4" Bolts
- 2) 1/2" Nylock Nuts
- 4) 1/2" Washers

## 64000-18 14 Degree Reclocking Ring Kit

- 1) Reclocking Ring 14 degree
- 6) 10mm x 25 Mm Allen Bolts
- 6) 3/8" Studs
- 6) 3/8" Fine Nuts

## D11-850 Drive Line Spacer

- 1) Front Drive Line Spacer D11-850
- 4) 7/16" x 3 1/4" Bolts

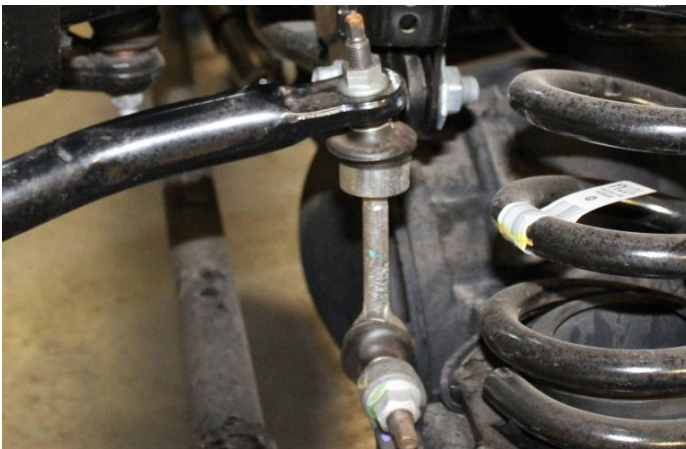
1) Disconnect the negative terminal on the battery. Jack up the front end of the truck and support the frame rails with jack stands. **NEVER WORK UNDER AN UNSUPPORTED VEHICLE!** Remove the front tires.

2) Support the front axle with 2 floor jacks.

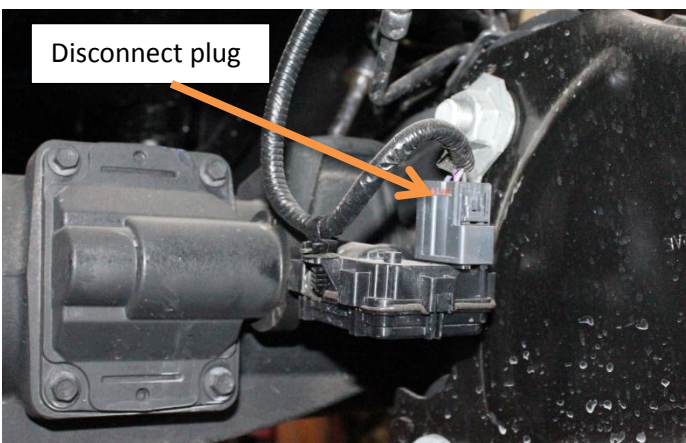
3) Remove the bolts attaching the brake line tabs to the front axle.



4) Remove the front sway bar end links from the axle mount. Remove the bolts securing the sway bar mounts to the frame and set the sway bar aside, save all sway bar hardware. **NOTE** the orientation of the sway bar for installation.



5) Disconnect the front 4wd actuator from the axle housing.



6) Remove the Front drive shaft.

7) Remove rear drive shaft.

8) With transmission supported, remove transmission cross member.

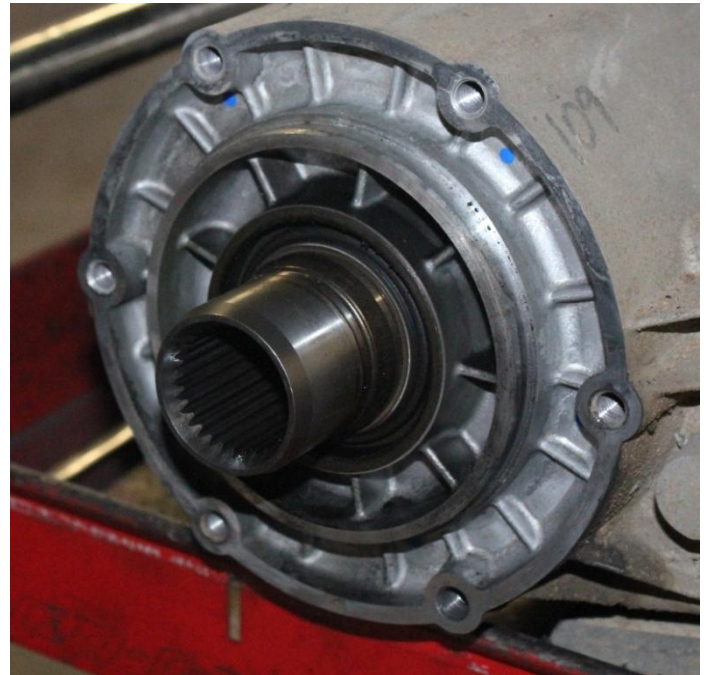


9) Remove transmission mount.



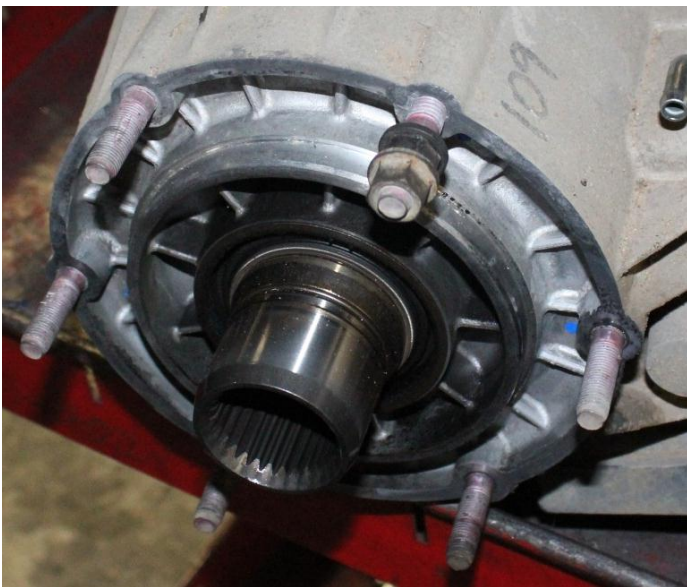
10) Unplug all electrical plugs and vent tube from transfer case.

11) With transfer case supported removes the 6 nuts form the studs mounting the transfer case to the transmission.

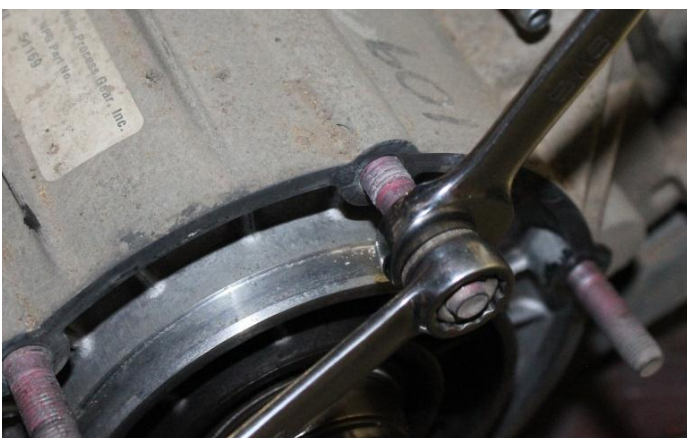


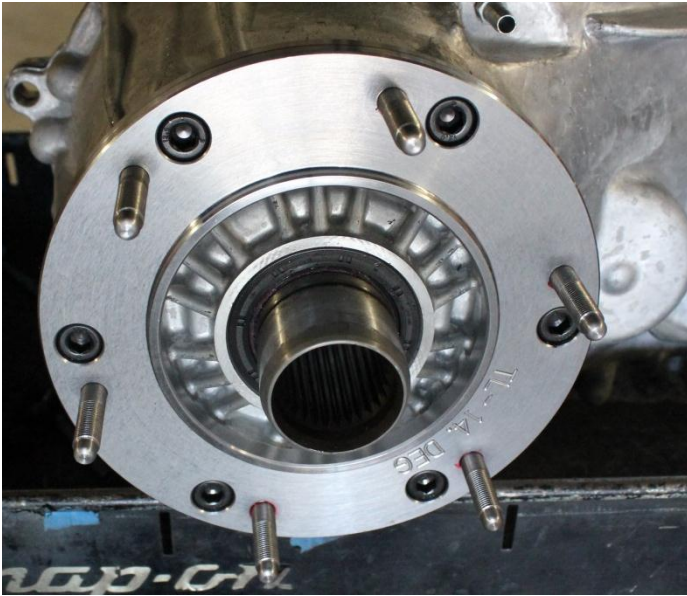
12) Remove the 6 studs on the front side of the transfer case. Using the factory nuts, double nut the stud and to allow the inner nut to back the stud out of the transfer case.

13) Install the 14 Degree transfer case Reclocking ring using the 10mm supplied Allen bolt as shown below. Use Loctite on the threads

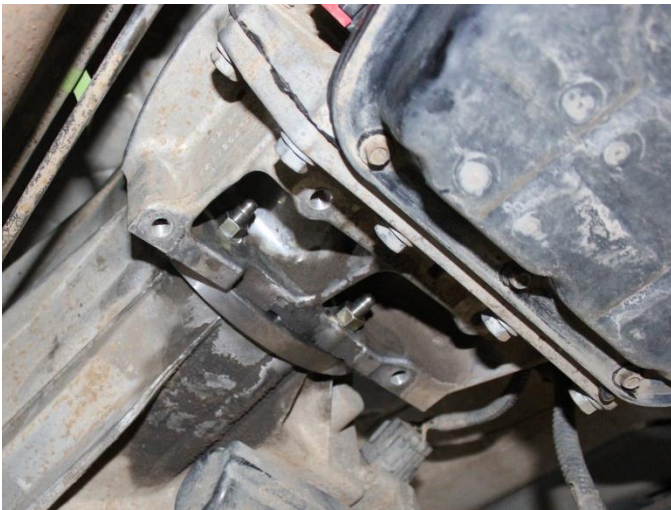


14) Install the supplied 3/8" x 2" studs into the face of the Reclocking ring using the supplied nuts to tighten the studs.



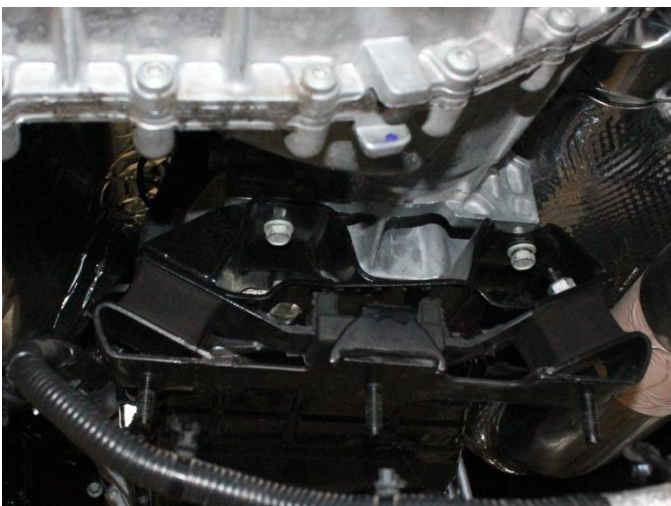


15) Install the transfer case back into the truck using the supplied 3/8" fine nuts to attach the transfer case to the transmission.



16) Reconnect all electrical plugs on the transfer case.

17) Reinstall the transmission mount.



18) Install the FTS transmission cross member as shown below.



19) Install the front drive shaft spacer onto the drive shaft using the 7/16" x 3/4" hardware.



20) Install the front drive shaft to the transfer case. Use Loctite on the treads. DO NOT connect the front drive shaft to the front axle at this time.



21) Disconnect the ABS wiring.

22) Using a crescent wrench loosen the jam nuts on the drag link.



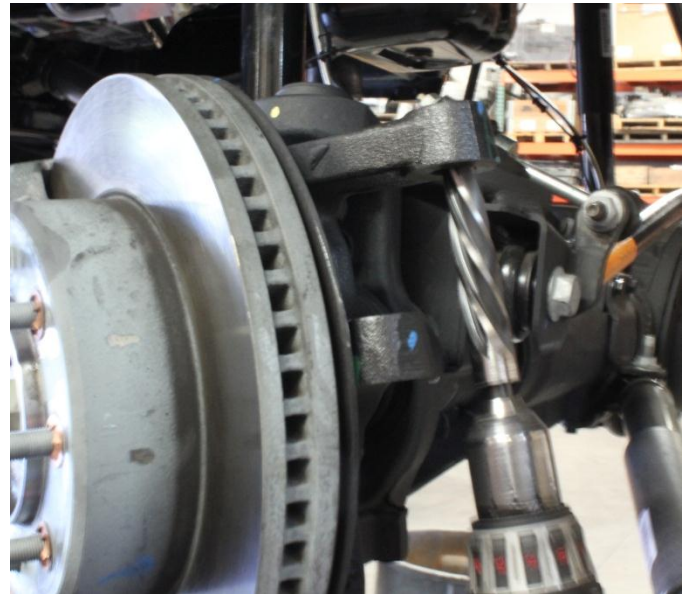
25) Remove the hardware attaching the drag link to the steering knuckle. Save the hardware.



23) Remove the hardware attaching the drag link to the pitman arm. Save the hardware.



26) Drill out the passenger steering knuckle to 3/4".



24) Using a hammer, strike the pitman arm to dislodge the tie rod from the pitman arm.



27) Unscrew the tie rod end out of the coupler.



28) Using a die grinder or abrasive saw remove the flat portion of the tie rod.



29) Remove the nut securing the track bar to the frame and separate. Save the track bar hardware.



30) Remove the front upper nut and the lower bolts securing the shock to the axle. Save the lower Hardware. Remove shocks.

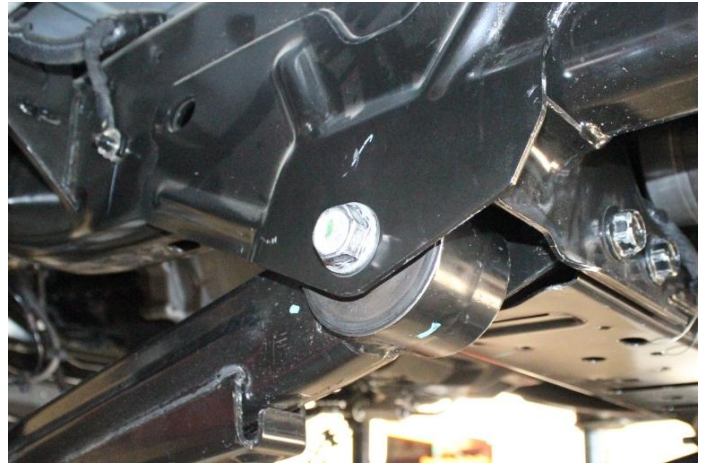


31) Leaving the front axle supported on the 2 jacks raise the truck enough to remove the coil springs. Save the upper rubber insulator, coil springs & shocks for Reassembly. **USE EXTREME CARE WHEN WORKING WITH COILS THAT ARE UNDER LOAD!**

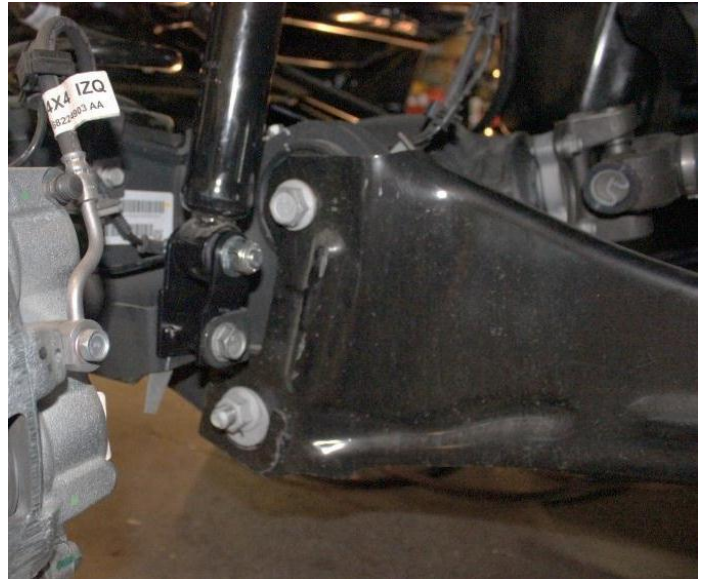
32) Install the shocks into the truck to allow the front axle to hang from.



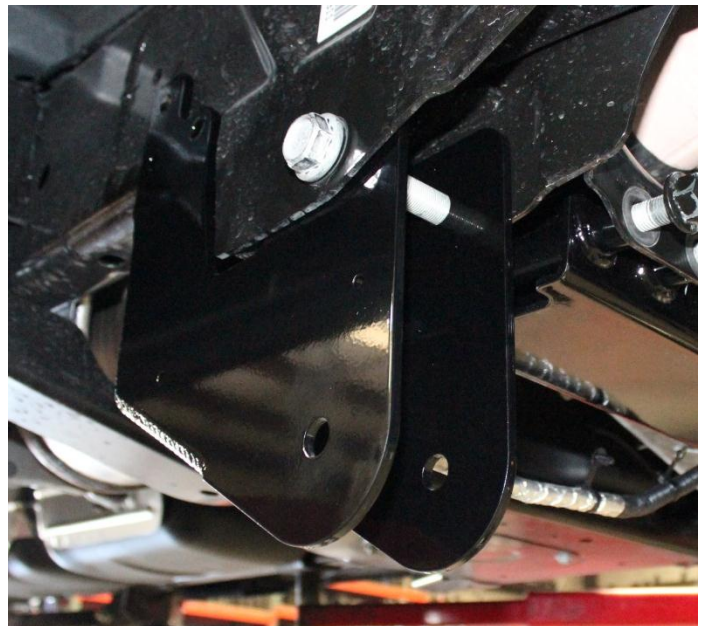
33) Remove the bolts securing the link arms to the frame.



34) Remove the bolts attaching the link arms Axle.

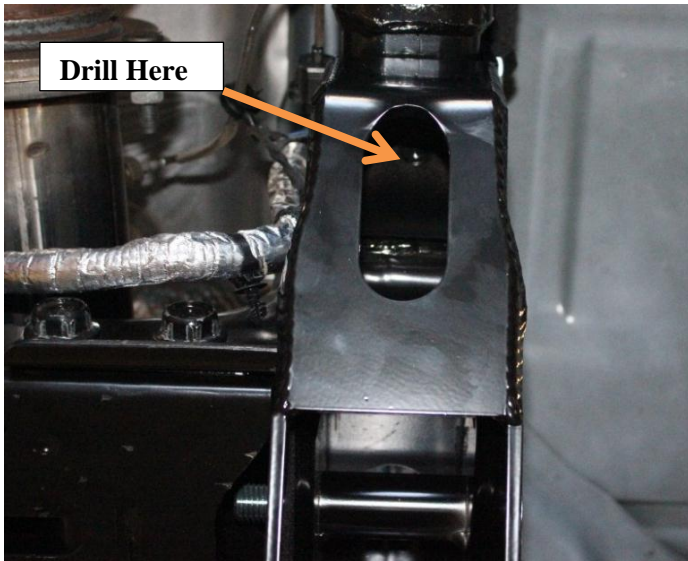


35) Install the FTS 4 Link bracket using the factory hardware.





36) Mark the hole on the bottom side of the frame.



37) Mark the 3 holes on the side of the frame with a center punch.



38) Drill all 4 frame holes to 11/16"



39) With holes enlarged install nut inserts using supplied spacer and tighten bolt till each nut insert crimps itself tight into the frame.



40) Use a 3/8" impact to tighten the nut-serts into the frame as shown.



41) Shown below is the 4 nut-serts installed.



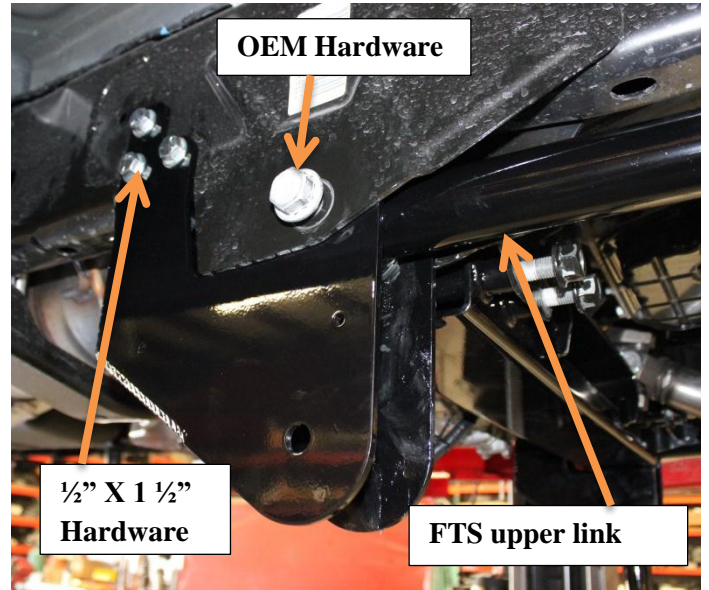
42) Pictured below is upper and lower links  
Short link is the upper driver side  
Long lower link is the driver lower



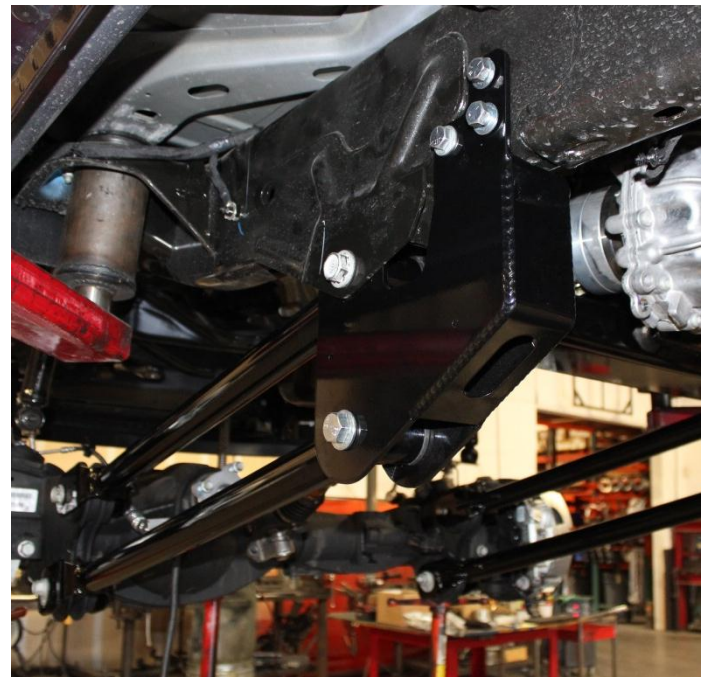
43) Install the bushing and sleeves into the link bars. Prior to installing the bushing Use the supplied grease to lube only the inside hole of the bushing where the steel sleeve rides, DO NOT Grease the outer part of the bushing or the inside of the control arm. Use Bushing # MO2918. Sleeve # DS3642



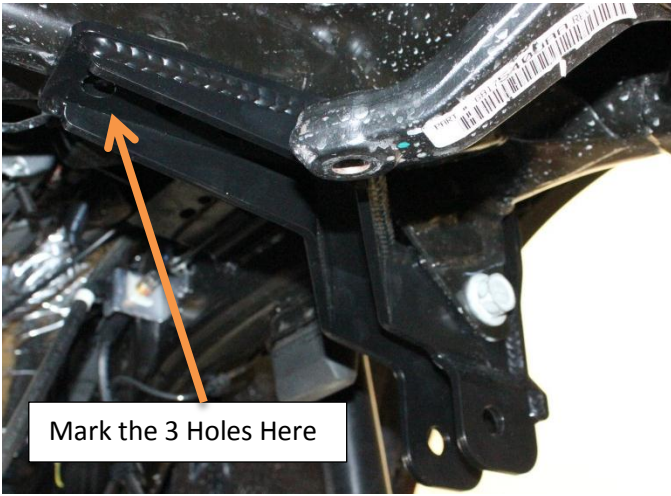
44) Once all nut inserts are installed, re-install the bracket using 1/2" x 1 1/2" hardware. Install the upper link arm using the Factory hardware. DO NOT tighten at this time.



45) Install the lower link arm as shown below using the supplied 18mm x 120mm hardware.



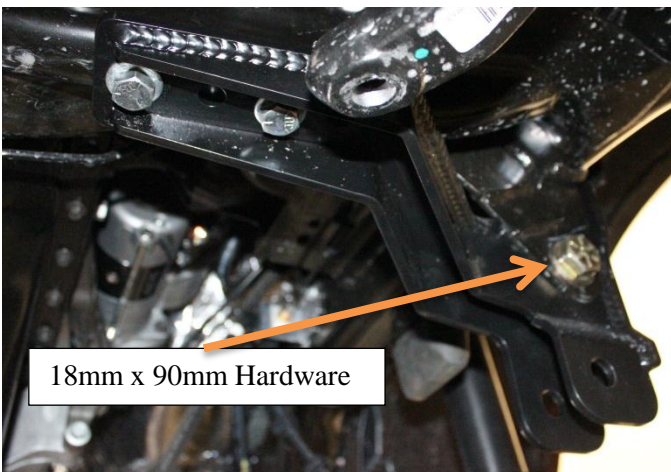
46) Install the track bar bracket as shown, Use the factory hardware thru the factory hole in the frame. Snug the bolt enough to hold the bracket in place. Mark the 3 holes on the bottom side of the frame using the track bar bracket as a guide.



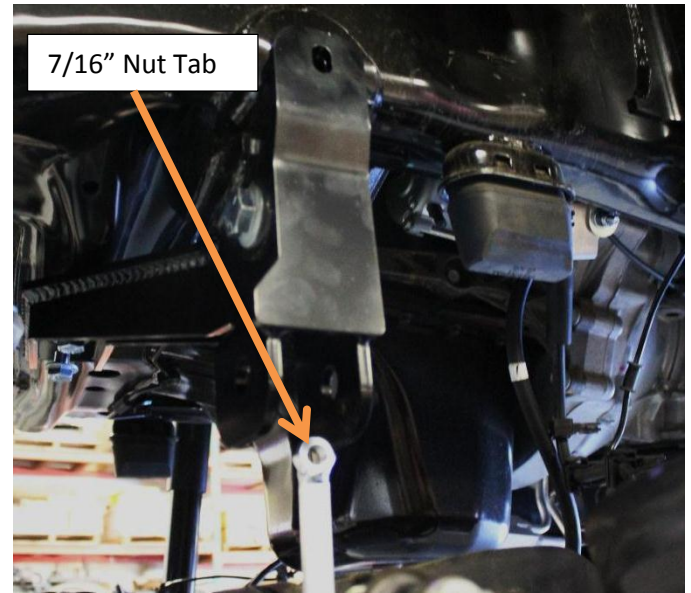
47) Remove bracket and drill hole to 11/16". Install the nut-sets as shown.



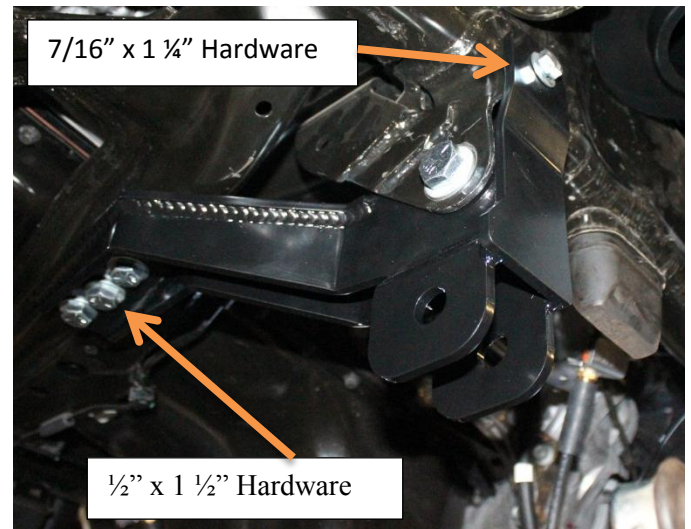
48) Reinstall bracket using the 18mm x 90mm hardware.



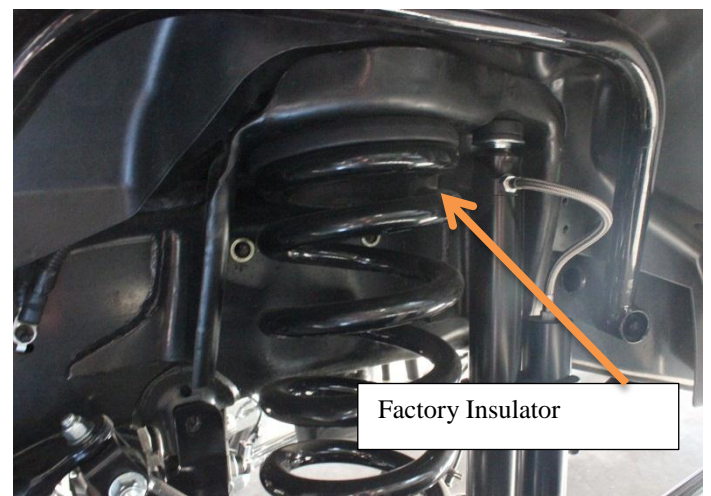
32) Install the nut tab and 7/16" x 1 1/4" hardware as shown.



33) Install the three 1/2" x 1 1/2" hardware as shown.



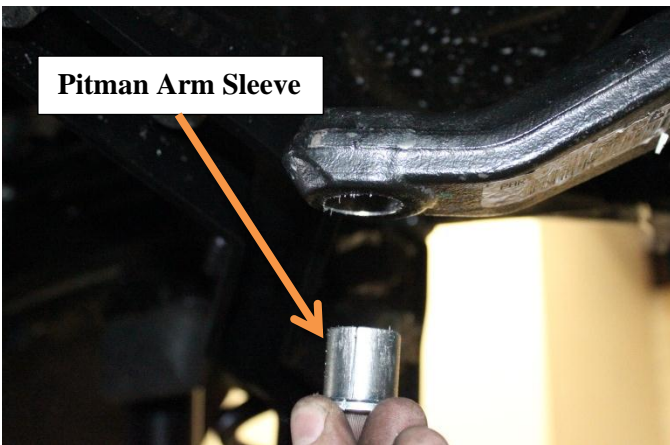
34) Install the front coil spring using the factory insulator at the top.



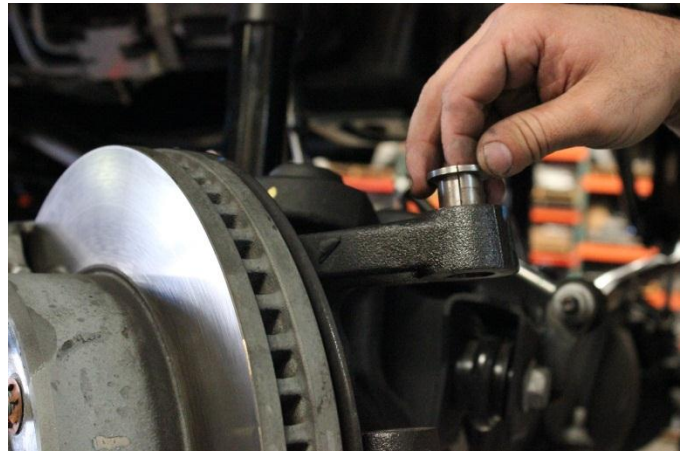
35) Drill out the taper factory pitman arm using a 7/8" drill bit or reamer.



36) Note that the sleeve will be installed from the bottom of the pitman arm. Now reconnect the factory tie rod to the pitman arm making sure it now goes from the bottom facing up as shown in the picture. Install supplied hardened flat washer and factory nut. Torque the original nut to 45 ft-lbs.



37) Install the sleeve into the steering knuckle as shown below.



38) Screw the factory tie rod into the FTS supplied drag link

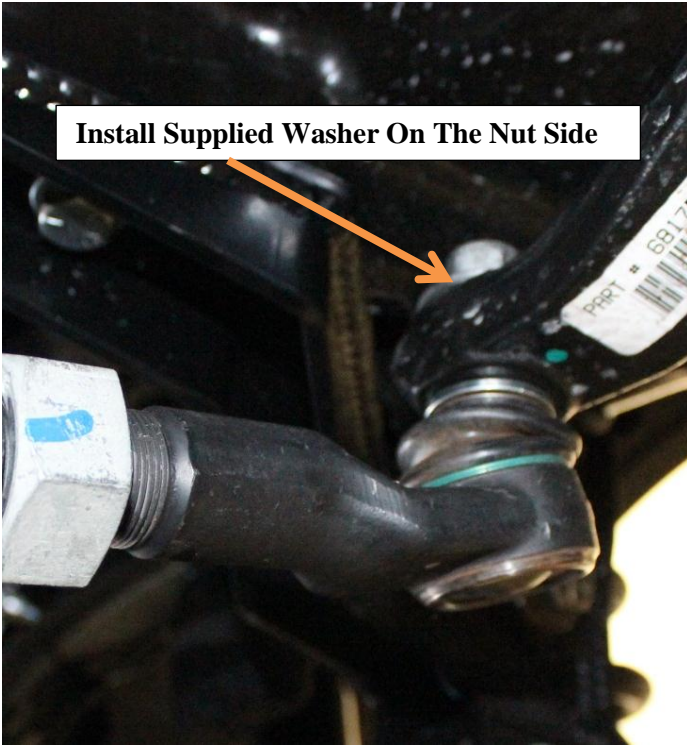
39) Install the drag link into the steering knuckle as shown below.



40) Install the other end of the drag link to the bottom side of the pitman arm as shown below.



40) Continued. Install washer the factory nut. Use loctite on the threads.



41) Re-attach the track bar to the track bar drop using the factory hardware.



42) Install the sway bar brackets as shown using the factory hardware. The bracket will push the sway bar forward 1".



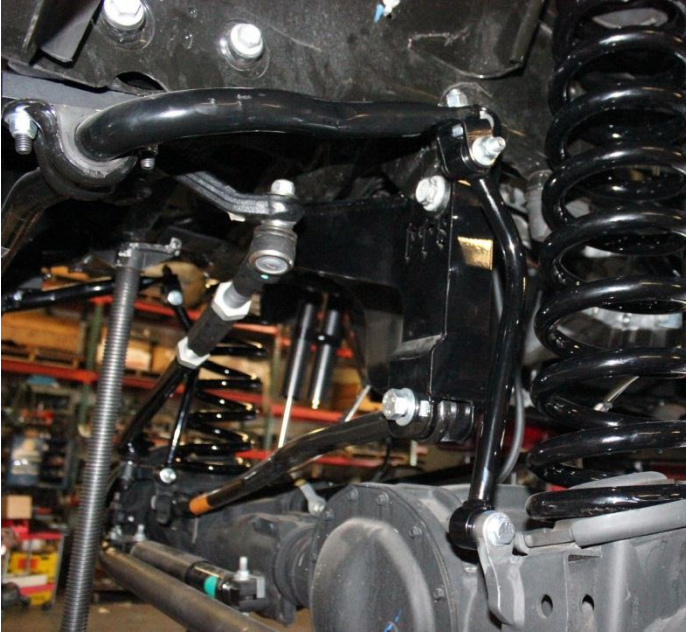
43) Use the 7/16" nuts to attach the sway bar to the drop brackets.



44) Install the bushing and sleeves into the sway bar end links.



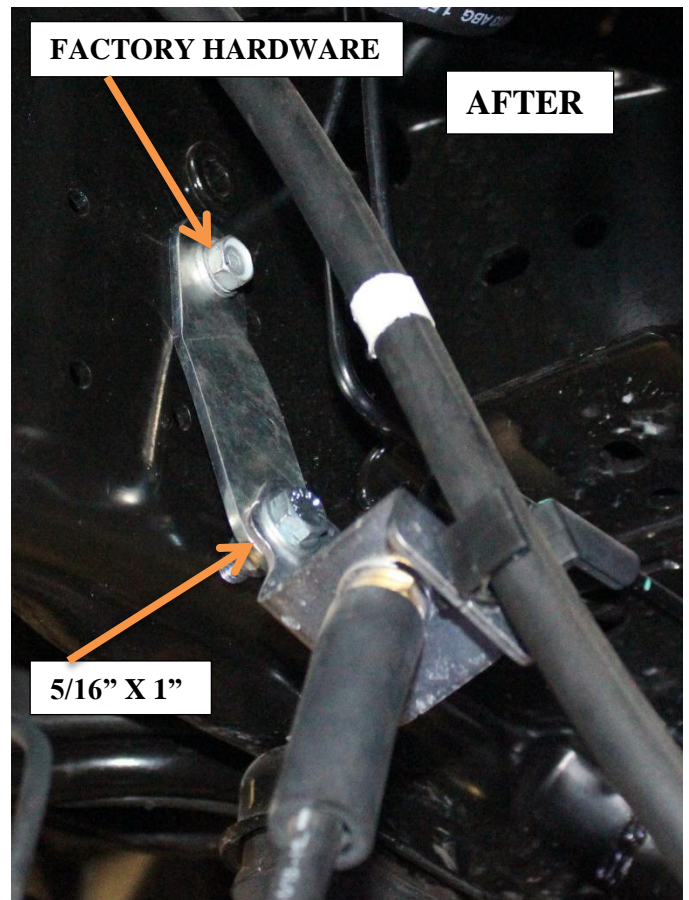
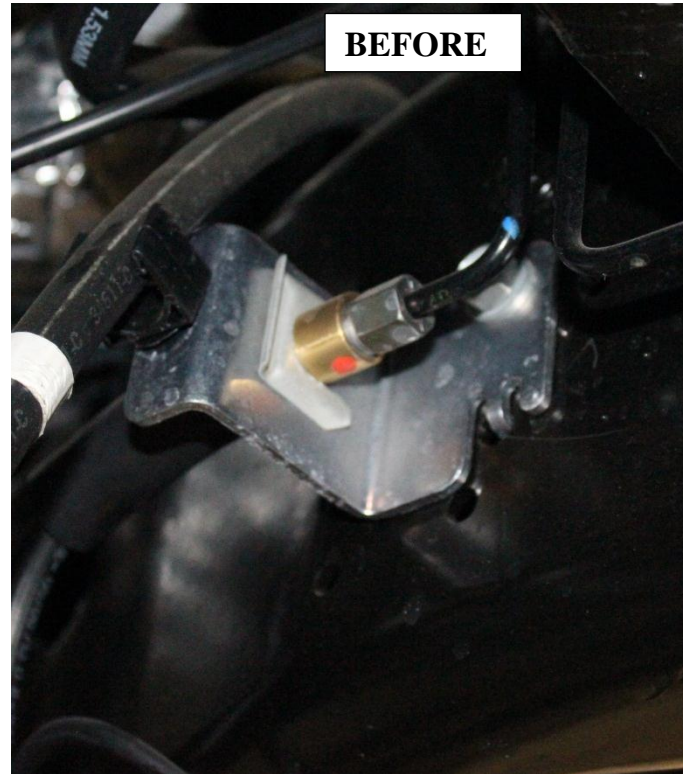
45) Install the supplied u bracket to the sway bar using the 7/16" x 1 1/4" hardware.



46) install the sway bar link to the u bracket and axle using the 1/2" x 3" hardware as shown below.



47) Install the supplied DRIVER upper brake line drop bracket using the factory hardware to attach the bracket to the frame and the supplied 5/16" x 1 hardware to attach the bracket to the brake line hardline bracket.



48) Install the supplied PASSENGER upper brake line drop bracket using 5/16" x 1" hardware to attach the bracket to the frame and the supplied 5/16" x 1" hardware to attach the bracket to the brake line hardline bracket.

## Product Warranty and Warnings-

FTS 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 FTS items; bushings, bump stops, ball joints, tie rod ends, limiting straps, cross shafts, heim joints. 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.

Reservoir 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.

FTS does not warrant any product for finish, alterations, modifications and/or installation contrary to FTS 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.

FTS 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.

FTS makes every effort to ensure suspension product compatibility with all vehicles listed in the catalog, but due to unknown auto manufacturer's production changes and/or inconsistencies by the auto manufacturer, FTS cannot be responsible for 100% compatibility, including the fitment of tire and wheel sizes listed. The Tire and Wheel sizes listed in FTS's catalog are only a guideline for street driving with noted fender trimming. FTS is not responsible for damages to the vehicle's body or tires.

FTS's obligation under this warranty is limited to the repair or replacement, at FTS 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. FTS is not responsible for damages and/or warranty of other vehicle parts related or non related to the installed FTS 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 FTS.

FTS suspension components must be installed as a complete system including shocks as shown on our current website. All warranties will become void if FTS 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. FTS does not warrant products not manufactured by FTS.

Installation of FTS 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.

It is the responsibility of the distributor and/or the retailer to review all warranties and warnings of FTS products with the consumer prior to purchase.

FTS reserves the right to supersede, discontinue, change the design, finish, part number and, or application of parts when deemed necessary without written notice. FTS is not responsible for misprints or typographical errors within the catalog or price sheet.

Thank You for choosing Full Throttle Suspension

Tech support 559-271-8685 or send email to

[fts.dwgs@gmail.com](mailto:fts.dwgs@gmail.com)

