

65888

FULL THROTTLE SUSPENSION

2014-2015 Dodge 2500 12" 4 LINK Kit W/ Coil Springs



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2014-2015 Dodge 2500 12" 4 LINK Kit W/ Coil Springs

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

66878-3 Component Box

- 1) Transmission X Member Drop Brackets
- 1) Transmission Mount
- 1) Track Bar Drop Bracket
- 2) 3/4" Aluminum Sway Bar Plates W/ Studs
- 2) Sway Bar End Links 15 1/2"
- 1) Pitman Arm

Hardware Bag 2

- 4) 5/8" X 8 1/2" Bolts
- 4) 5/8" Nylock Nuts
- 8) 5/8" Washers

Hardware Bag 3

- 1) 7/16" Nuts Wedge Long
- 1) 7/16 X 1 1/4" Bolt
- 2) 7/16" Washers
- 4) 1/2" x 1 1/2" Bolts
- 4) 1/2" Nut Inserts
- 4) 1/2" Washers
- 1) 18mm X 90mm Bolts
- 1) 18mm Nylock Nuts
- 2) 18mm Washers

Hardware Bag 4

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

66875-10 10" Front Coil Springs

- 2) 10" Front Coil Springs

Hardware Bag 5

- 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

66875-2 2" Front Coil Spacers

- 2) 2" Coil Spacers
- 4) 7/16 X 1 1/4" Bolt
- 4) 7/16" Nylock Nuts

- 8) 7/16" Washers

65888-5 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) 9 1/2" Coil Spacers
- 2) 9 1/2" Rear Bump Stops
- 2) Sway Bar End Links 17"

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

68RFE TRANSMISSION

64000-26 22 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

AISIN TRANSMISSION

65830-22 22 Degree Reclocking Ring Kit

- 1) Reclocking Ring 22 Degree
- 8) 10mm x 25 Mm Allen Bolts
- 8) 3/8" Studs
- 1) Seal Adaptor
- 1) Seal

D11-850 Drive Line Spacer

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

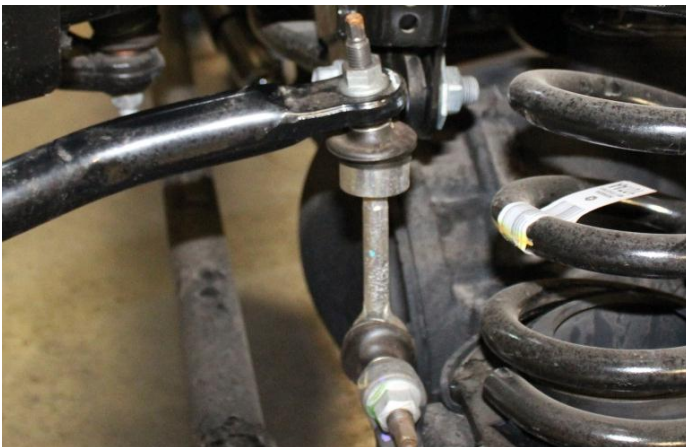
1) Disconnect the negative terminal on the battery. Jack up the front end of the truck and support the frame rails with jack stands. NEVER WORK UNDER AN UNSUPPORTED VEHICLE! Remove the front tires.

2) Support the front axle with 2 floor jacks.

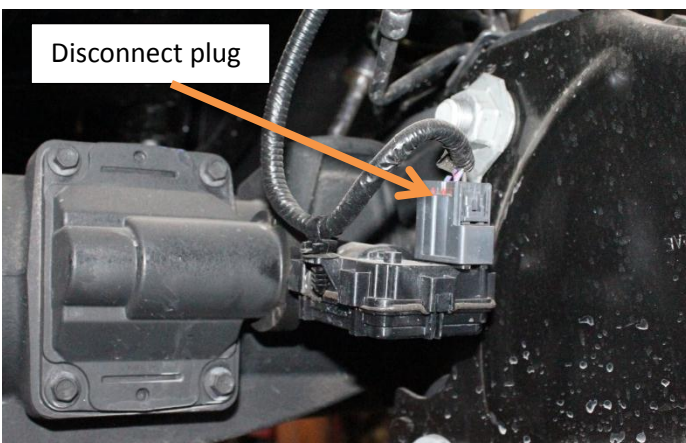
3) Remove the bolts attaching the brake line tabs to the front axle.



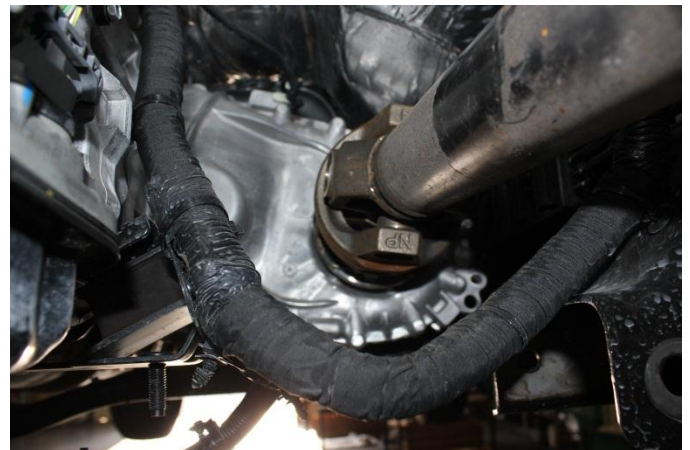
4) Remove the front sway bar end links from the axle mount. Remove the bolts securing the sway bar mounts to the frame and set the sway bar aside, save all sway bar hardware. NOTE the orientation of the sway bar for installation.



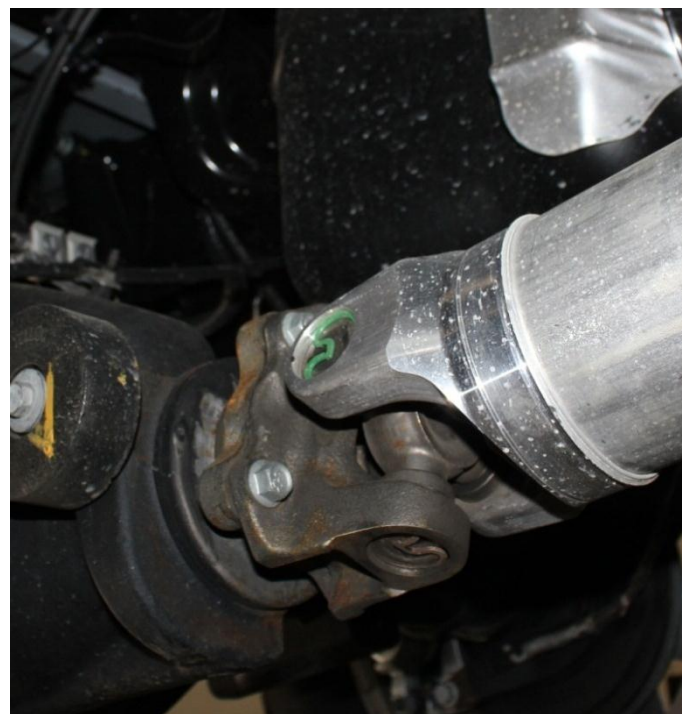
5) Disconnect the front 4wd actuator from the axle housing.



6) Remove the Front drive shaft.



7) Remove rear drive shaft.



8) Disconnect the ABS wiring.

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



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



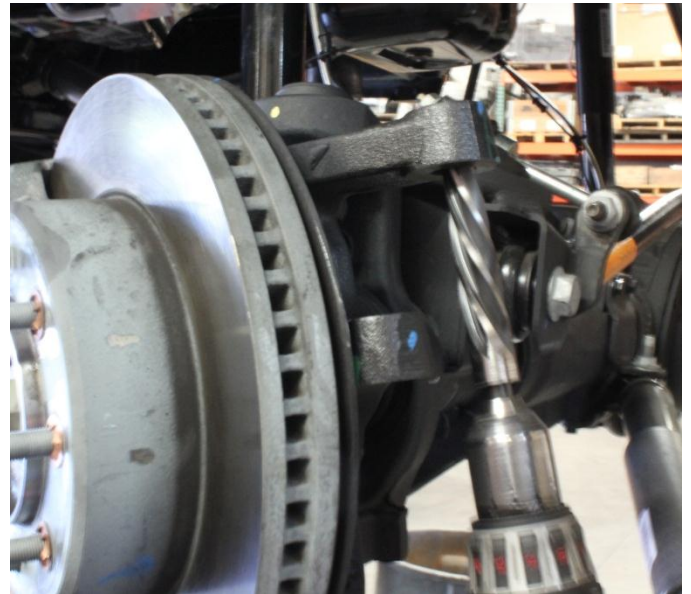
11) Using a hammer, strike the pitman arm to dislodge the tie rod from the pitman arm.



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



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



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



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



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



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



19) 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!**

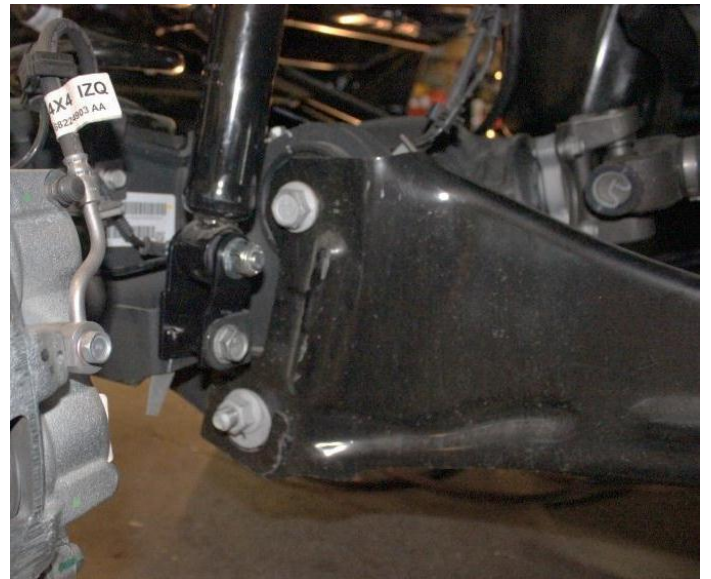
20) Install the shocks into the truck to allow the front axle to hang from.



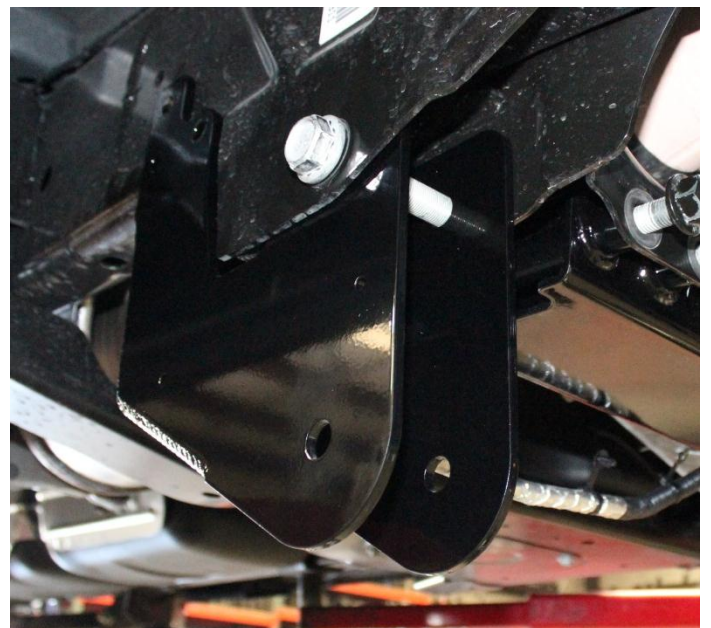
21) Remove the bolts securing the link arms to the frame.



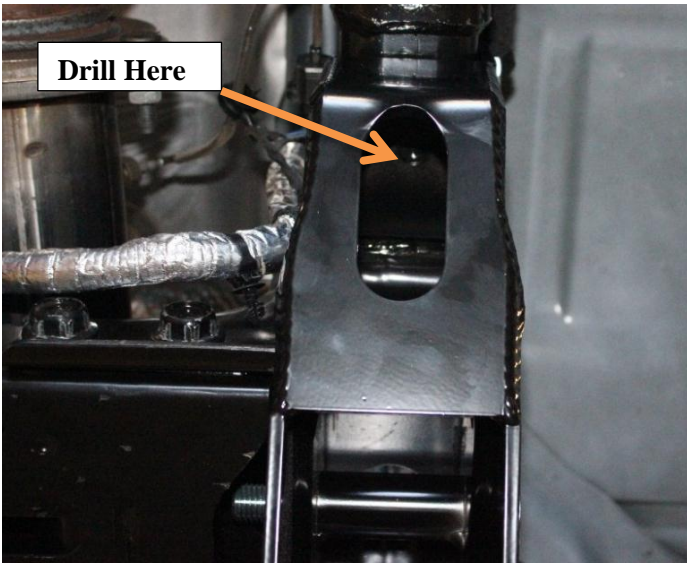
22) Remove the bolts attaching the link arms Axle.



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



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



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



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



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



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



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



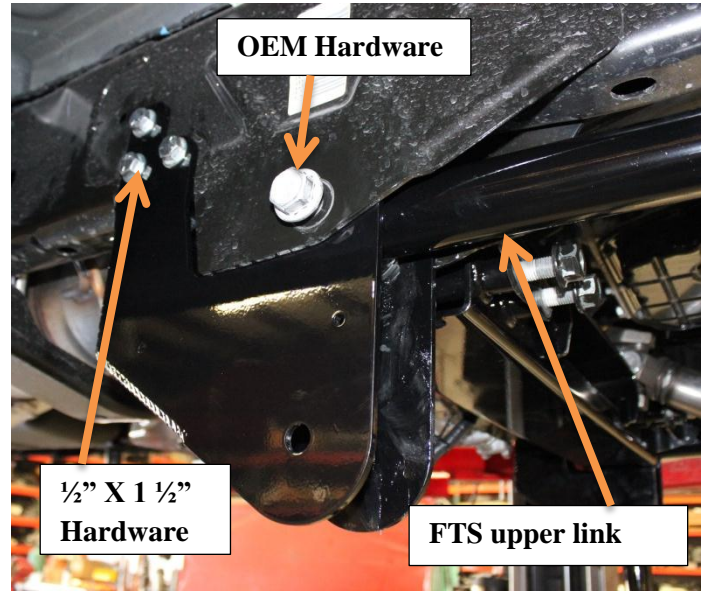
30) Pictured below is upper and lower links
Short link is the upper driver side
Long lower link is the driver lower



31) 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



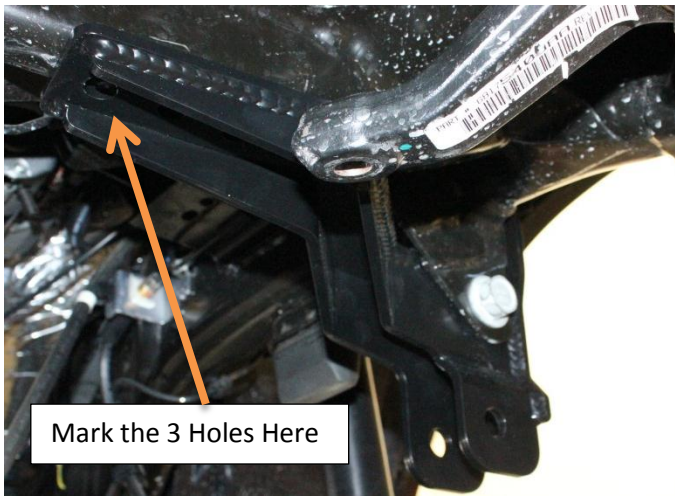
32) Once all nut inserts are installed, re-install the bracket using 1/2" x 1 1/2" hardware. Install the upper link arm using the Factory hardware. DO NOT tighten at this time.



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



34) 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.



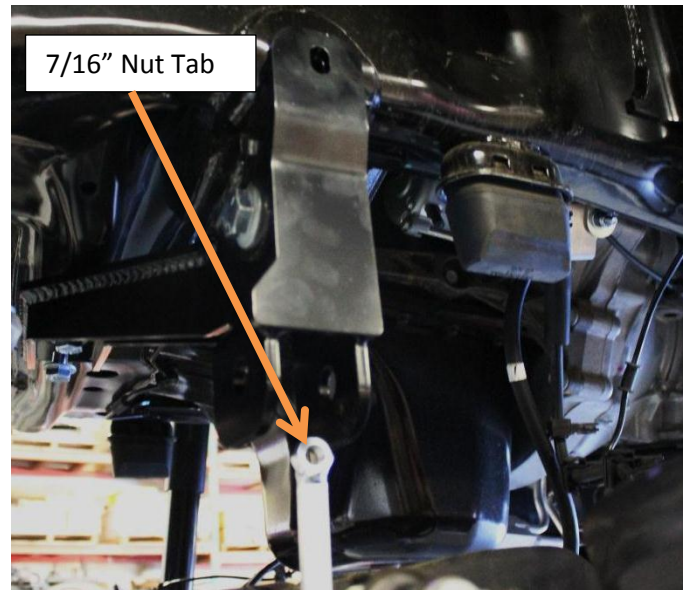
35) Remove bracket and drill hole to 11/16". Install the nutserts as shown.



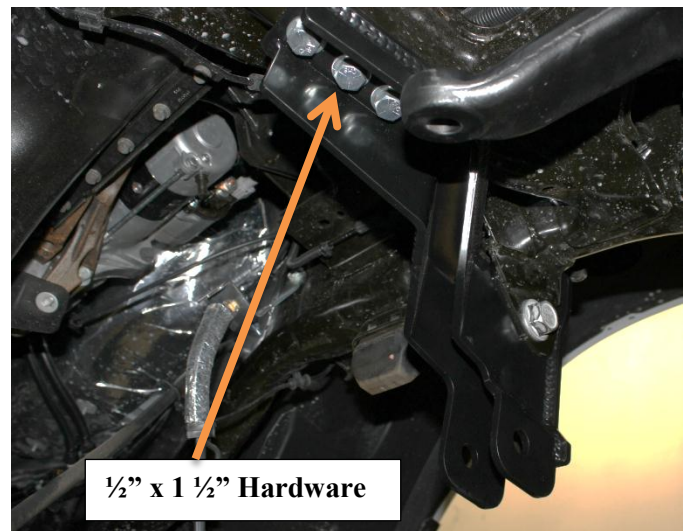
36) Reinstall bracket using the 18mm x 90mm hardware.



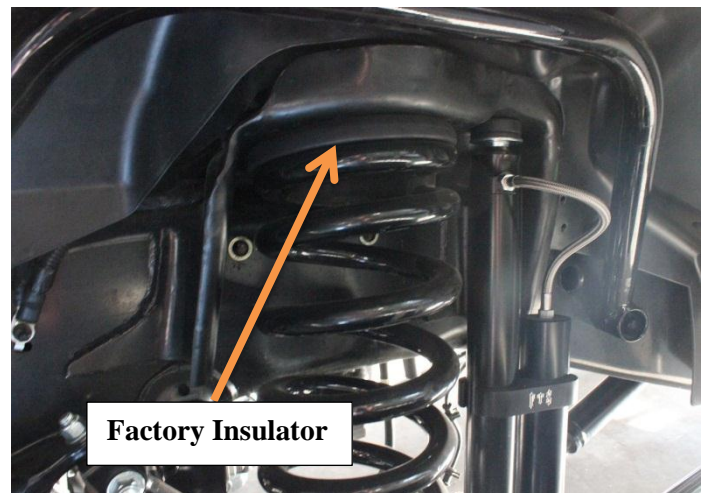
37) Install the nut tab and 7/16" x 1 1/4" hardware as shown.



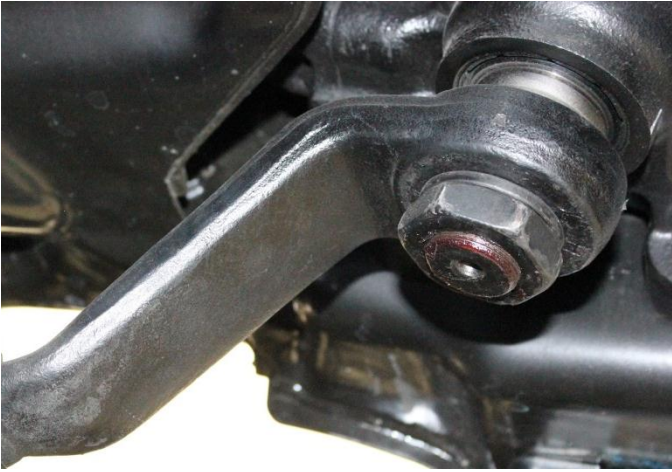
38) Install the three 1/2" x 1 1/2" hardware as shown.



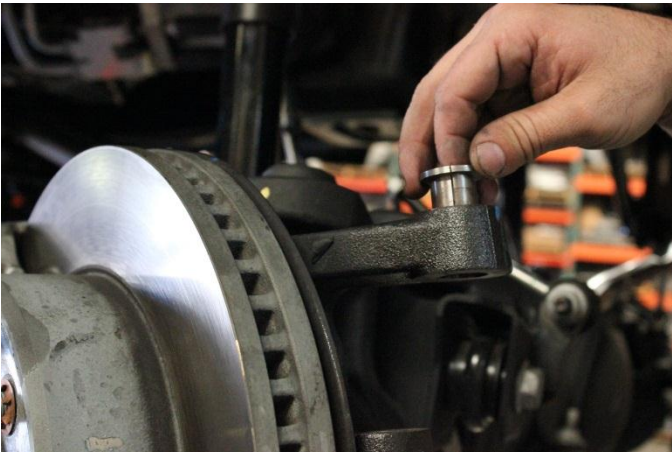
39) Install the front coil spring using the factory insulator at the top.



40) Install the supplied pitman arm and torque to factory specs.

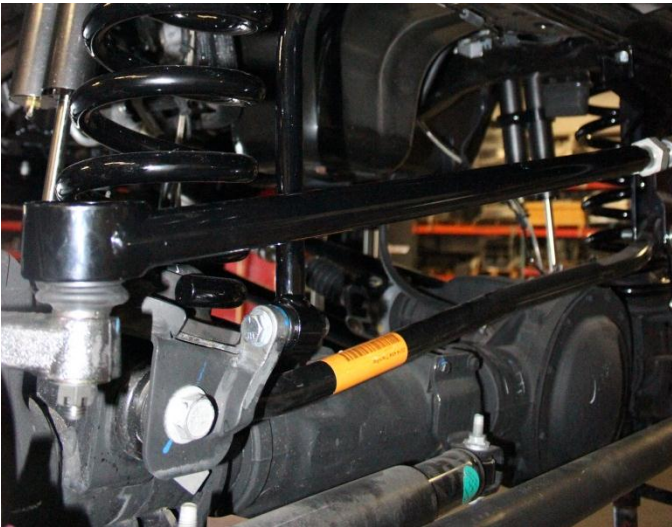


41) Install the sleeve into the steering knuckle as shown below.



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

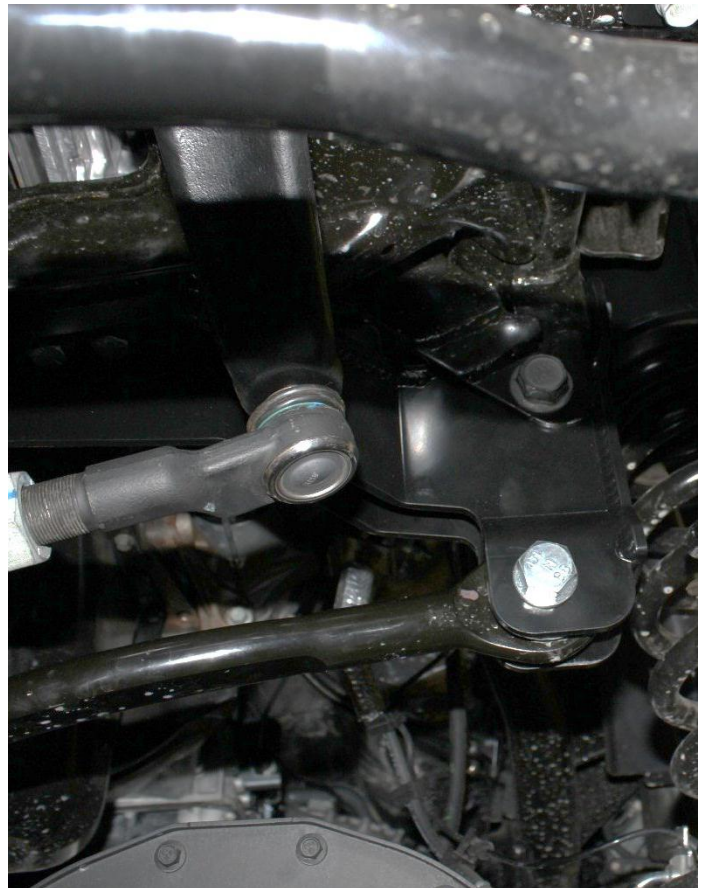
43) Install the drag link into the steering knuckle as shown below.



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



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



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



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



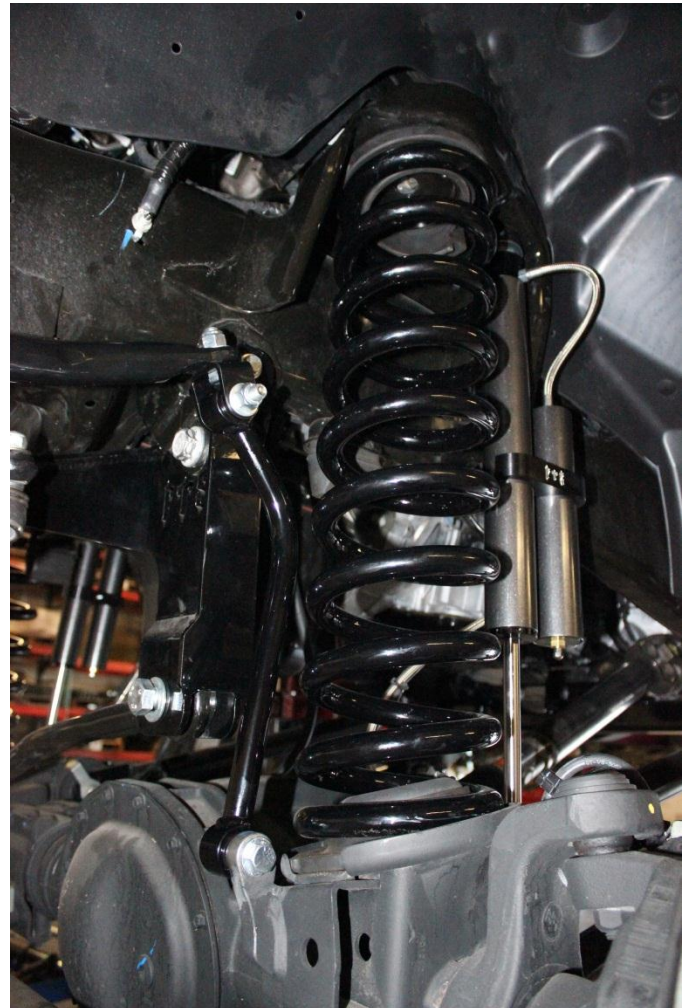
48) Install the bushing and sleeves into the sway bar end links.



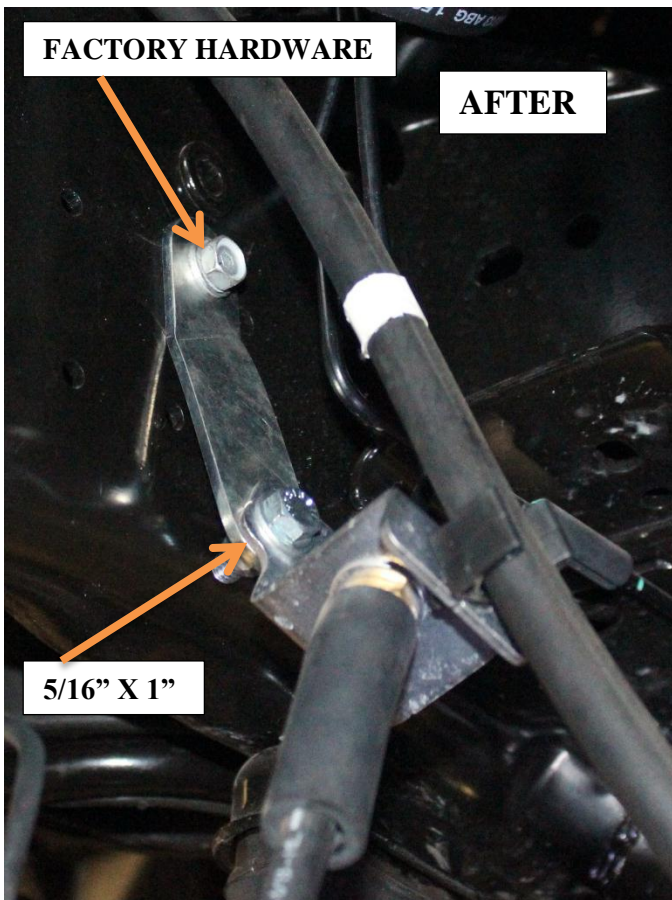
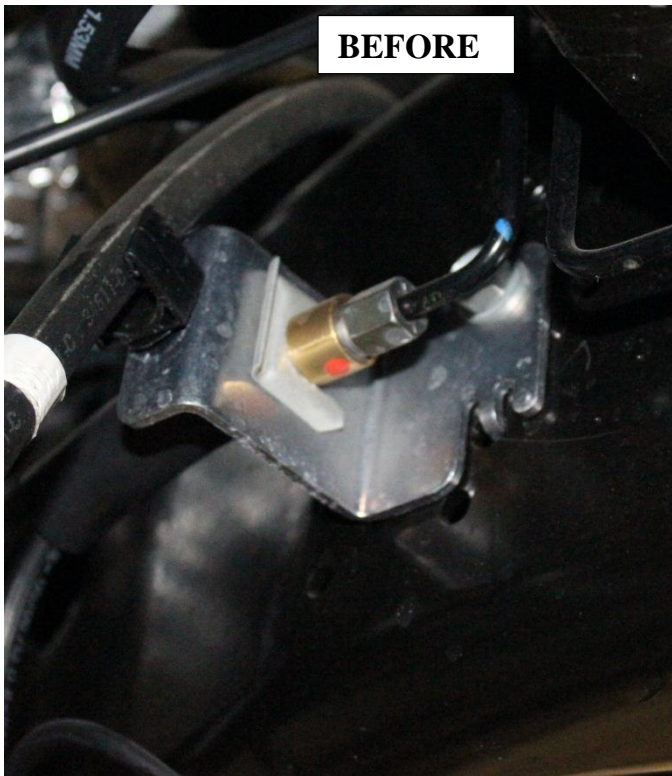
49) Install the supplied u bracket to the sway bar using the 7/16" x 1 1/4" hardware.



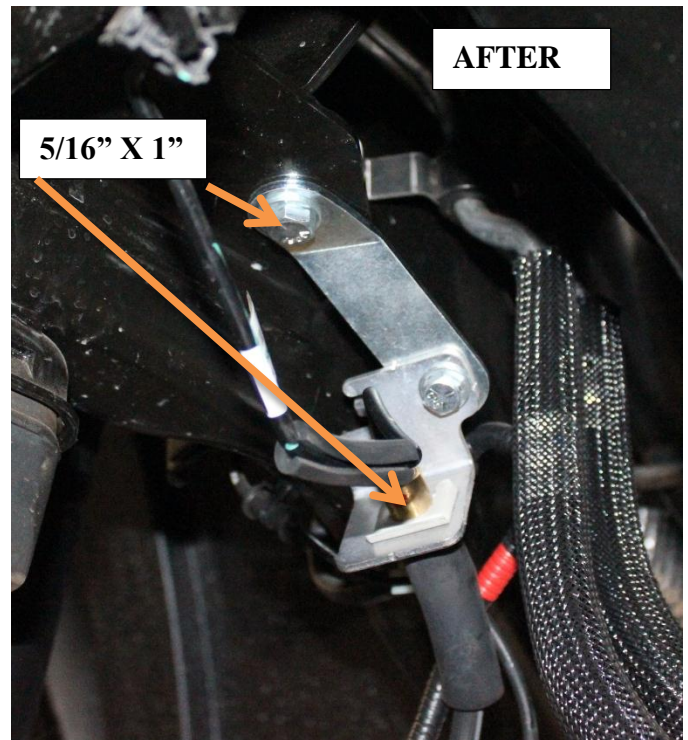
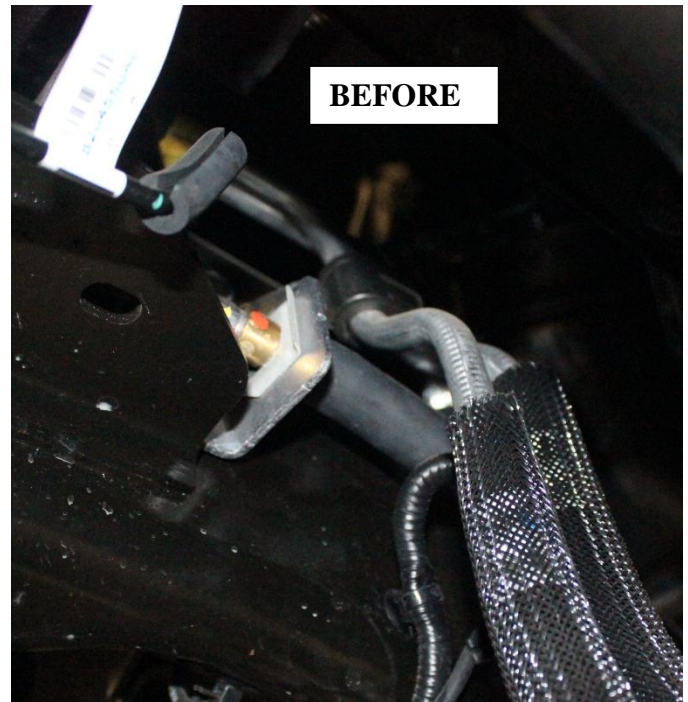
50) Install the sway bar link to the u bracket and axle using the 1/2" x 3" hardware as shown below.



51) 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.



52) 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.

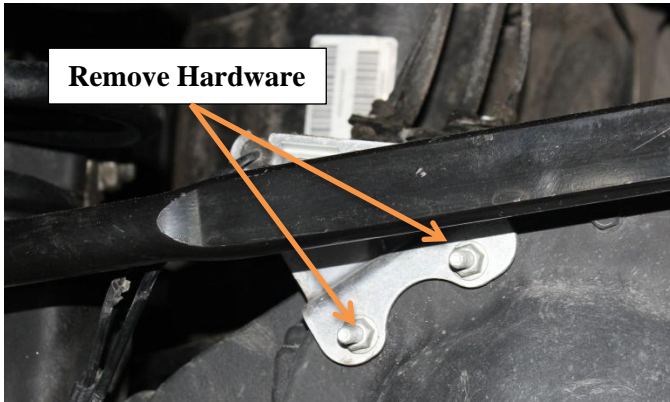


53) Install transfer case Reclocking ring.
Refer to part#
65836-20 for Aisin transmission
65842-23 for 68RFE transmission

Front Suspension Is Now Complete

REAR INSTRUCTIONS:

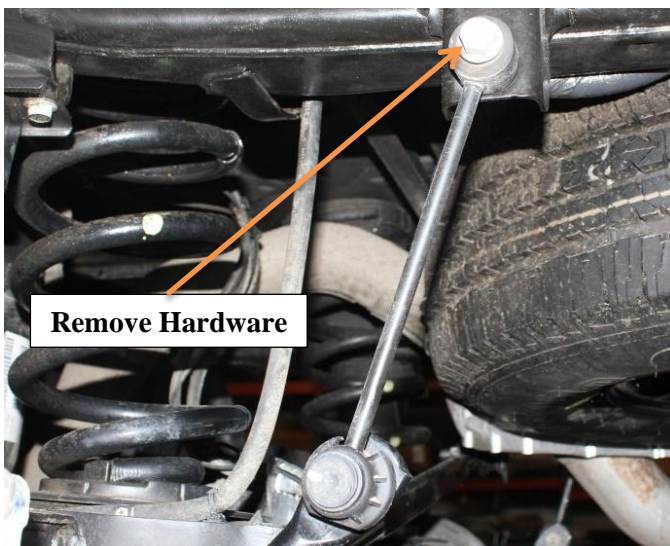
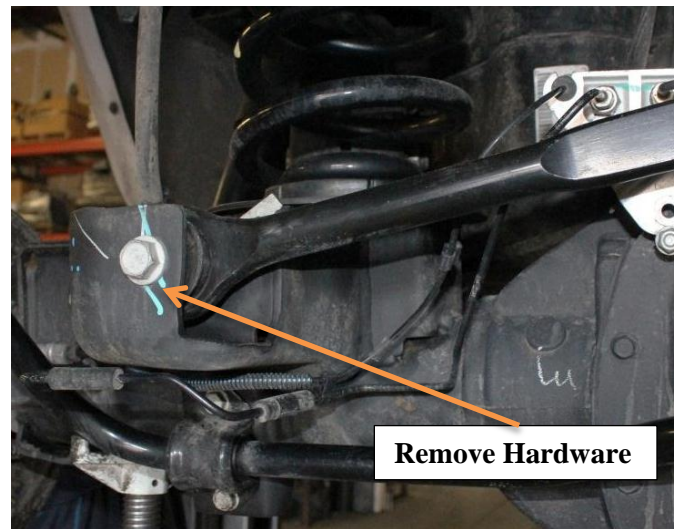
- 1) Jack up the rear end of the vehicle and support the frame.
- 2) Remove the rear wheels.
- 3) Support the rear axle with a hydraulic jack.
- 4) Disconnect the rear brake line bracket from the axle, retain all hardware.



- 6) Disconnect the rear track bar from the axle, retain all hardware.



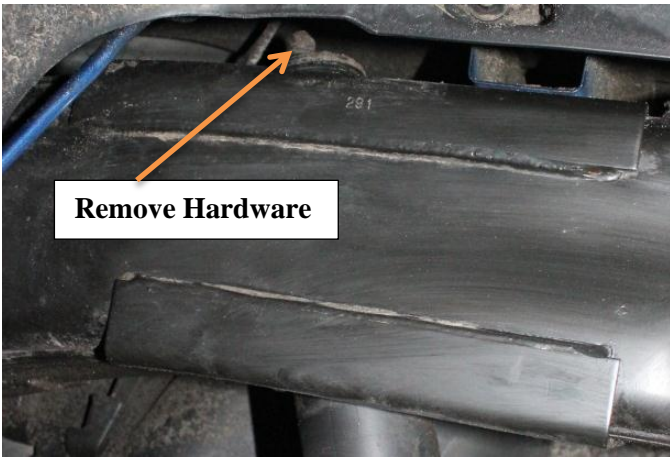
- 5) Disconnect the rear sway bar end links front the frame, retain all hardware.



- 8) With the axle supported disconnect the rear shocks lower shock hardware.



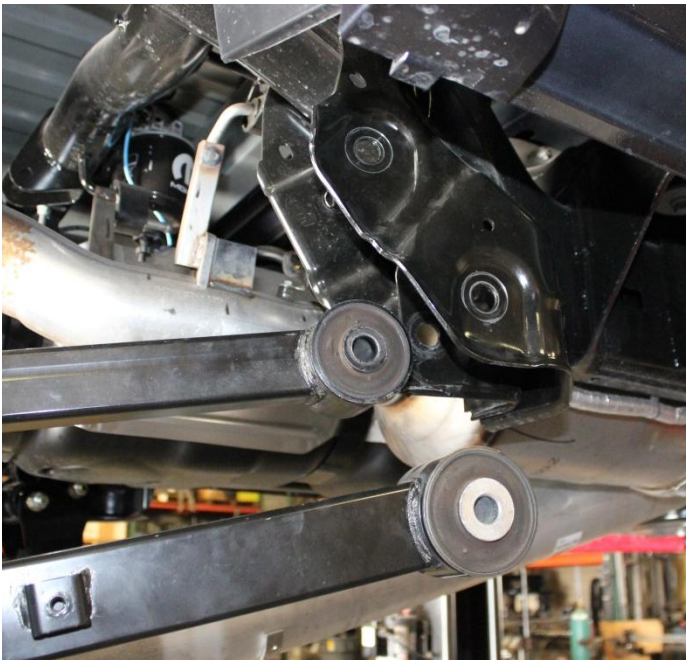
9) Disconnect the rear shocks upper shock hardware.



10) Lower the rear axle slowly, Remove the rear coil springs and upper and lower coil spring retainers.

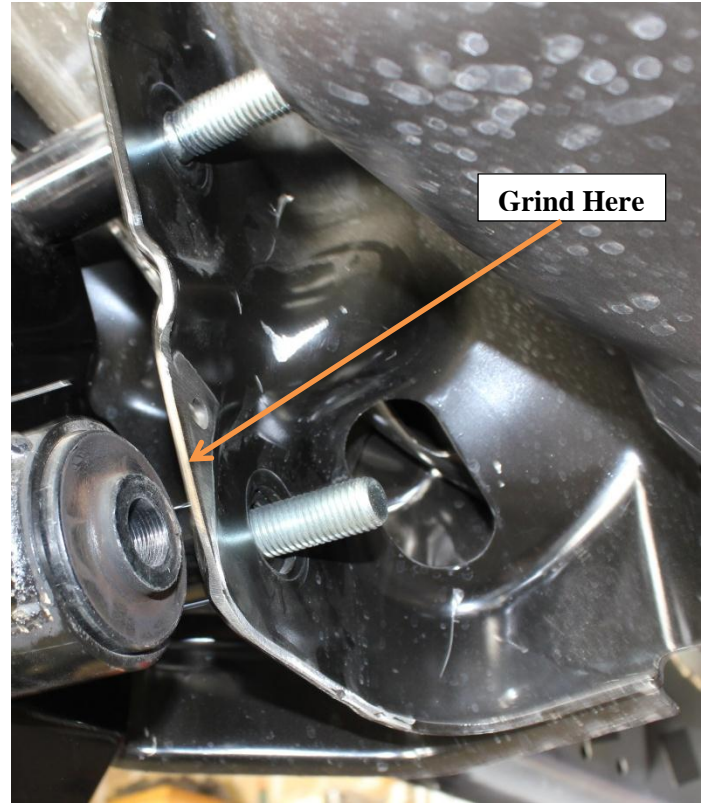


11) Remove the upper and lower trailing arm hardware from the frame while supporting the axle on a jack.



12) After removing the trailing arms from the frame you will need to grind the lip off the inside of the frame as shown below.

Driver side



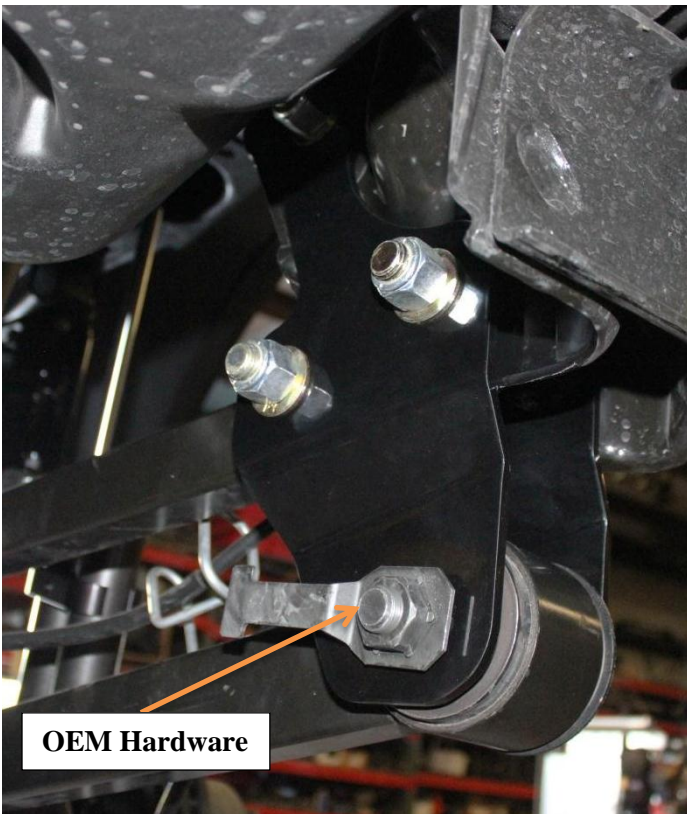
13) Install the inside trailing arm drop brackets as shown below using the 3/4" x 5 1/2" hardware.



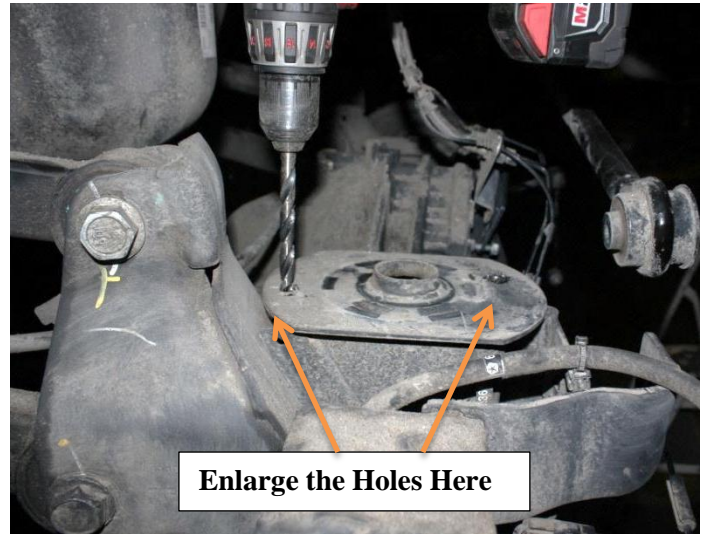
14) Install the trailing arm inner support plate as shown below.



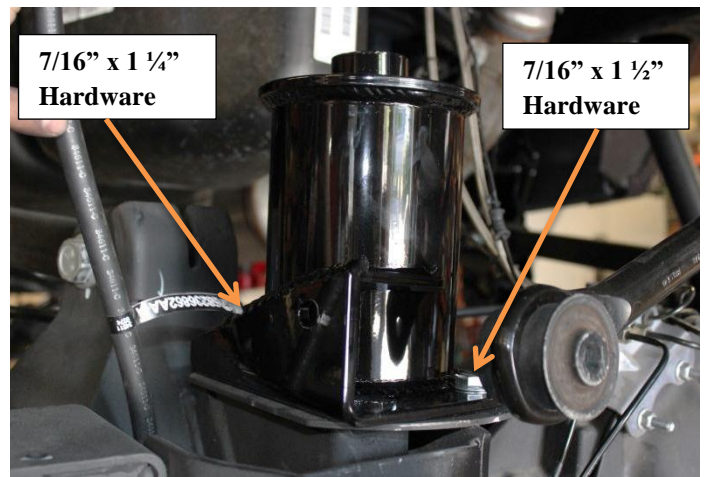
15) Reinstall the trailing arms into the FTS brackets as shown below.



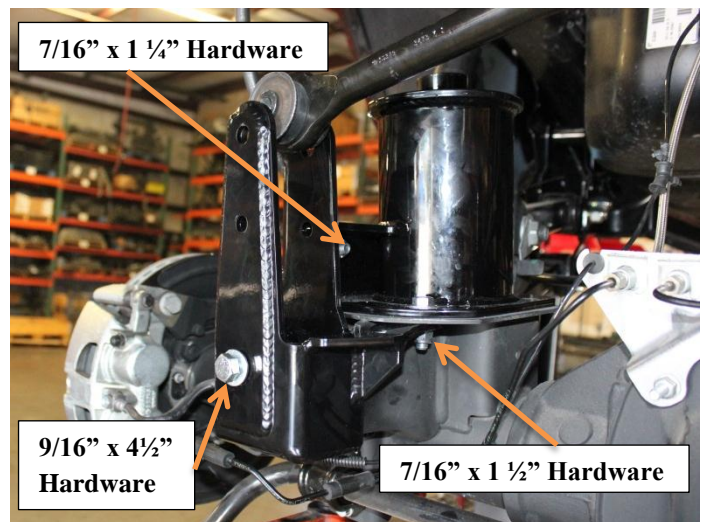
16) On the rear axle, enlarge the holes in the lower coil mounting plate to 7/16"



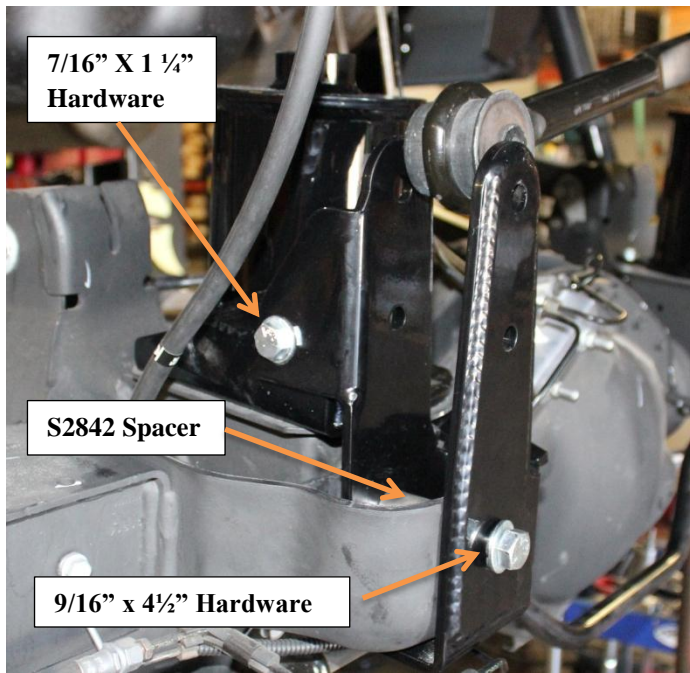
15) Install the DRIVER coil spacer using the 7/16" x 1 1/4" in the front hole and the 7/16" x 1 1/2" in the rear hole.



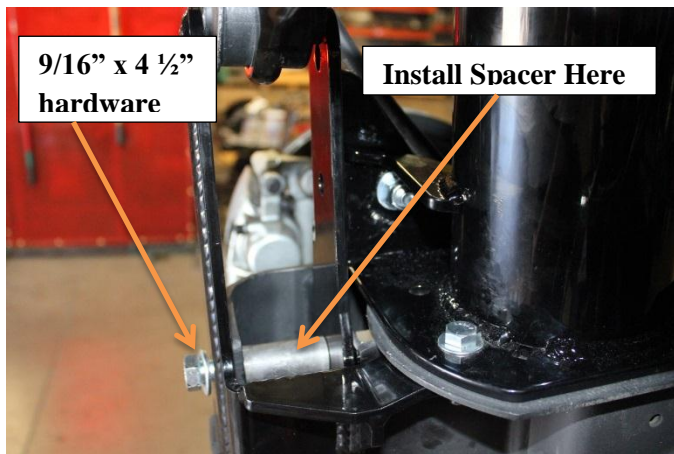
16) Install the track bar bracket using the supplied spacer part# S2842 as shown, Use the 9/16" x 4 1/2" hardware supplied, do not tighten at this time.



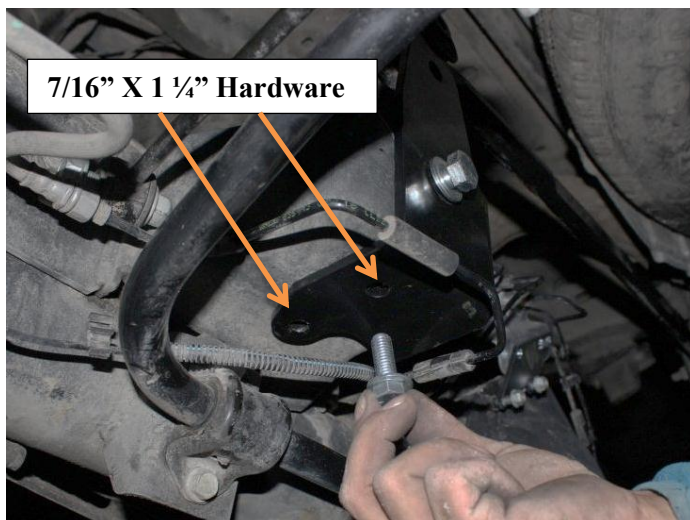
16) Continued



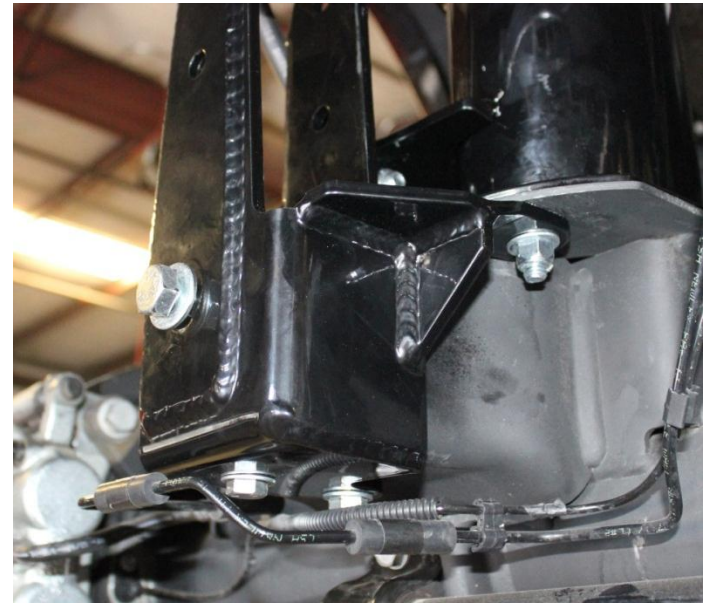
17) Install the supplied spacer as shown below



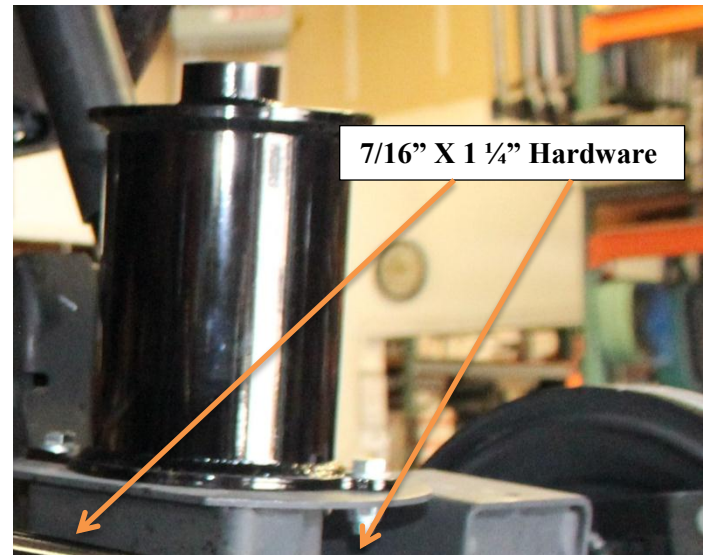
18) Install the supplied 7/16" hardware in the 2 lower holes as shown.



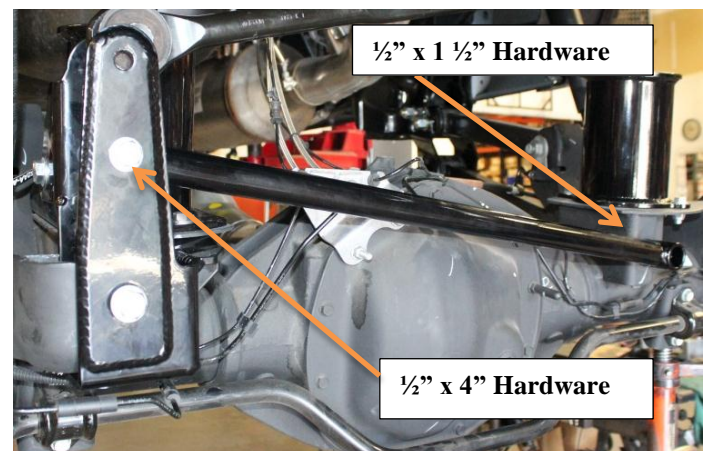
19) Tighten all the hardware attaching the track bar bracket and coil spacer to the axle.



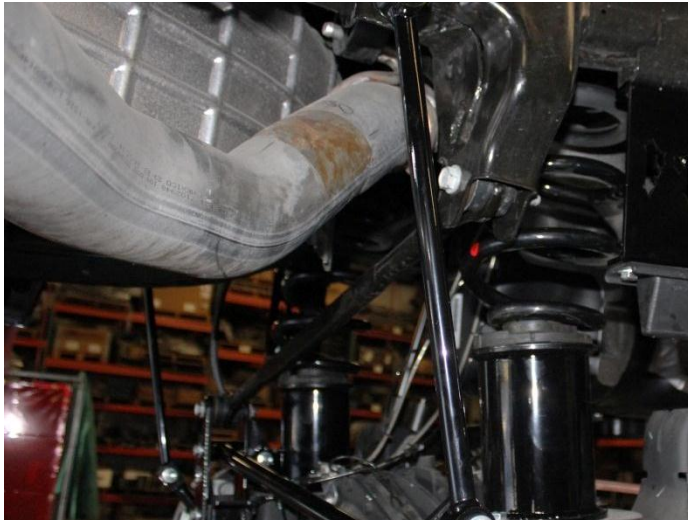
20) Install the PASSENGER side coil spacer using the supplied 7/16" x 1 1/4" hardware as shown.



21) Install the rear track bar support bar as shown below.



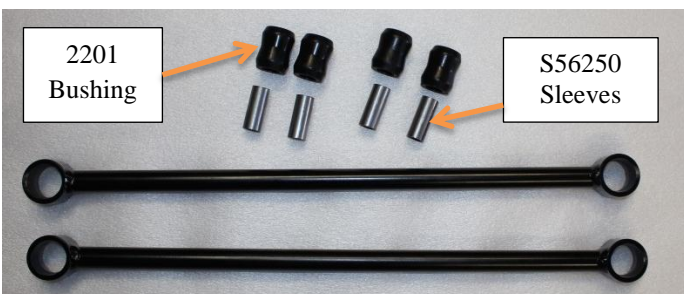
22) Install the rear coil springs.



23) Install the rear shock extender or shock at this time.



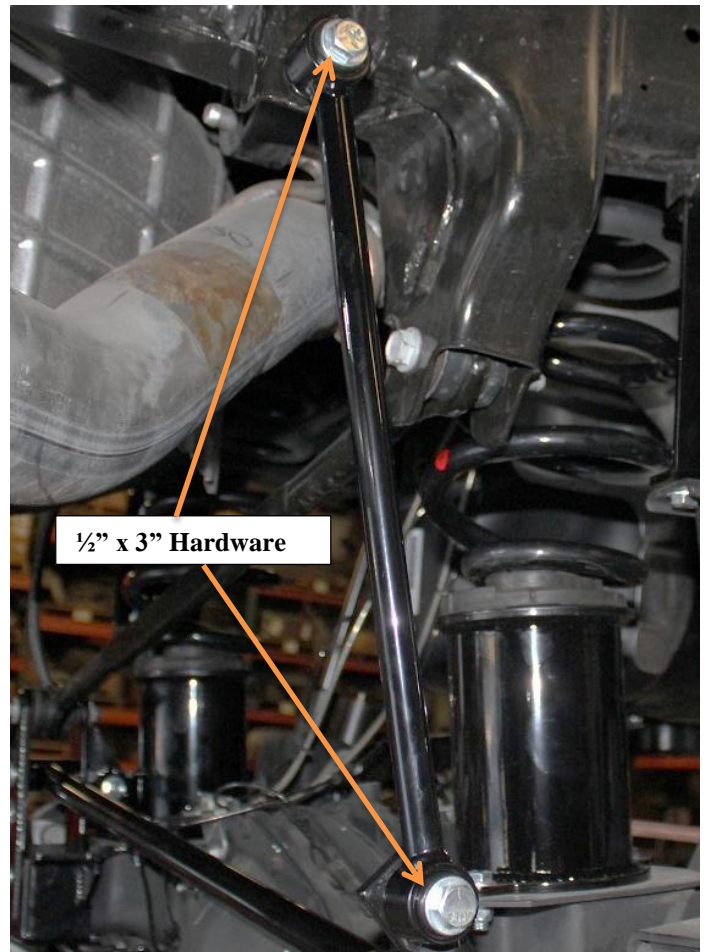
24) Install the rear sway bar end links and shown below using the supplied bushings and sleeves.



25) Install the bushing into the sway bar end links, Use some soap on the bushing to help the bushing to slide into the end link housing. Then press the sleeve into the bushing as shown below.



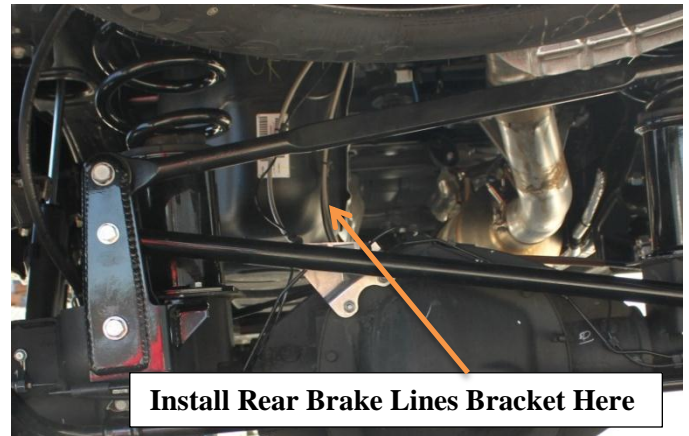
26) Install the sway bar end links using the 1/2" x 3" hardware supplied.



27) Install the rear bump stop bracket as shown.



29) Install rear brake line.



30) Rear suspension is now complete.

28) Reattach the rear track bar using the factory hardware.



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.

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