



AA-4474

2018-PRESENT

JEEP WRANGLER (JL)

4XE/eTORQUE/DIESEL/392

AIR SUSPENSION SYSTEM
INSTALLATION GUIDE



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CONGRATULATIONS!

Your AccuAir® Jeep JL Air Suspension system reflects a unique solution to balancing enhanced off road terrain and obstacle clearance with everyday drivability and ride quality. The AccuAir® JL system features remote mounted air tank, a quality compressor, mounts and all fittings necessary to replace your coil springs with ruggedly designed four corner air bags allowing you to select a ride height tailored to your off road adventures. Back on the road, a unique speed sensing value presets ride height to a maximum of 3.5” of lift (approx.), helping to preserve familiar ride comfort. Enjoy your AccuAir® JL system by Treading Lightly® and following all instructions and product safety messaging below. If you have further questions contact us at: sales@AccuAir.com. Our team is here to help.



WATCH THIS VIDEO FOR A COMPLETE SYSTEM OVERVIEW

A FEW WORDS ABOUT PRODUCT SAFETY

Before installation, please take a moment to review the following safety information and installation instructions. Important safety information is generally preceded by one of three signal words indicating the relative risk of injury. The signal words mean:



WARNING:

A hazardous situation which, if not avoided, could result in death or serious injury. You **CAN** be **killed** or **seriously hurt** if you don't follow instructions.



CAUTION:

A hazardous situation which, if not avoided, could result in minor or moderate injury. You **CAN** be moderately **hurt** and may also suffer property damage if you do not follow instructions.



NOTICE:

Careful attention is required to this instruction or operation but does generally not relate to personal injury. Damage to your AccuAir® product or other property may result if you don't follow instructions.



NOTICE TO THE INSTALLER:

This suspension kit is installed differently than most suspension kits. We will have you install electrical and airlines first. Then you will install suspension system parts.



NOTICE TO THE INSTALLER:

This suspension system was developed using a 35x12.50x20 tire on a 20x10 wheel with -18 offset. Different wheel and tire combinations may be used but different tire manufacturers' designs may result in a tire width that could result in contact with the lower control arm and/or front sway bar link in a sharp turn. Please consult with your tire and wheel expert before purchasing. Also note that if wider tires are desired, offset wheels will be required. If there are any questions concerning the design, function, and correct use of our products, please call AccuAir Tech at 888-234-6698.



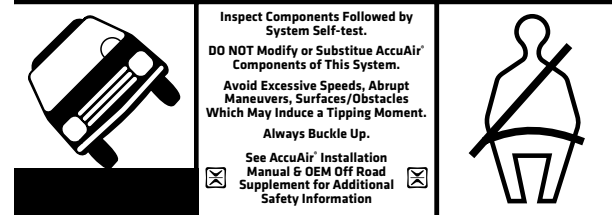
PRODUCT & INSTALLATION OVERVIEW

The suspension of this vehicle has been optimized for off road utility through installation of an AccuAir® system allowing control/adjustment of ride height to accommodate challenging terrain & obstacles. The suspension feel and handling maybe different than an unmodified Jeep.

To reduce risk of roll-over other accident & serious injury always:

- Inspect components including bags, lines, valves & compressor before use, followed by system self-test. Maintain & repair as indicated. On road height limited to approx. 3.5" by system speed & ride height sensors. **REPLACE & DO NOT USE ON ROAD IF SPEED SENSOR DAMAGED/INOPERATIVE.**
- **DO NOT** modify or substitute AccuAir® components of this system. Use of oversize tire/wheel combinations may increase stopping distances, ride height and/or compromise performance of vehicle stability control and other systems.
- Avoid excessive speeds, abrupt maneuvers, surfaces/obstacles which may induce a tripping moment. All occupants **BUCKLE UP & USE** supplemental restraints.
- Consult the AccuAir® installation manual (sales@AccuAir.com) & OEM off road supplement for additional safety information.

WARNING: SUSPENSION MODIFIED WITH VARIABLE HEIGHT AIRBAGS - HIGHER ROLLOVER RISK



Inspect Components Followed by System Self-test.
DO NOT Modify or Substitute AccuAir® Components of This System.
 Avoid Excessive Speeds, Abrupt Maneuvers, Surfaces/Obstacles Which May Induce a Tipping Moment.
 Always Buckle Up.
 See AccuAir® Installation Manual & OEM Off Road Supplement for Additional Safety Information

Affix warning decal on driver's side visor in clear view of all occupants.

WARNING

CANCER AND REPRODUCTIVE HARM
WWW.P65WARNING.CA.GOV

- The drag link must be adjusted to center the steering wheel before the vehicle is driven. Failure to do so will cause computer errors, odd handling characteristics, and poor performance.
- If larger tires (10% more than the OEM diameter) are installed, speedometer recalibration will be necessary. Contact your local Jeep dealer.
- After installation, a qualified alignment facility is required to align the vehicle to the OEM specification.

If you have any questions or reservations about installing this product, contact AccuAir Customer Service at 888-234-6698.



WARNING:

Wheel setup with a minimum of 4.5" of back spacing.



WARNING:

This advanced AccuAir® JL kit requires professional installation, with access to vehicle lift and experience with Jeep JL suspension, electrical wiring, Jeep maintenance recommendations, safety messaging, torque & other specifications, general repair safety including personal protection, vehicle rack safety, isolation and containment of OEM spring assemblies during removal.



WARNING:

Incorrect shock length will distort air bag placement and lead to burst or reduced service life. USE front and rear shock absorbers included with this kit.

Replacement shocks must be FRONT: 26.125" (allowed variance .125"); REAR: 27.72" (allowed variance .125").



CAUTION:

Risk of Eye Injury. Safety glasses, gloves & other personnel protection should be worn when working with this product.

WHAT IS COVERED?:

Subject to the terms, exclusions and limitations herein, Arnott, LLC. (“Warrantor” or “AccuAir”) exclusively warrants to the initial retail purchaser of a AccuAir Jeep JL suspension kit that AccuAir will according to terms herein, repair defects in or replace AccuAir supplied components which, upon AccuAir inspection are determined to have defects in materials or workmanship existing as of the date of sale to the initial retail customer (hereafter “Customer”). This Limited Warranty is the sole and exclusive warranty made or authorized by Warrantor. This Limited Warranty is not a warranty or promise of any particular future performance.

The term of this Limited Warranty shall be three years as measured from the date of sale to initial Customer (the warranty “TERM”). Any claim under this limited warranty must be made within six months of the last day of the warranty TERM or will be forever waived. The duration of any implied warranty shall be limited to the three year term of express limited warranty above.

WHAT IS NOT COVERED?:

Your AccuAir **Limited Warranty does not cover:** (1) defect in a AccuAir air suspension kit or component causing or contributing to damage or defect, of any type whatsoever, to the vehicle it is installed upon or any electrical system or other vehicle system or component separately warranted or supplied by a manufacturer other than AccuAir, (2) damage to AccuAir components or your vehicle from altering or disabling any component of your vehicle or AccuAir product; additions, alterations, or other products or components not supplied by AccuAir, (3) installation or use contrary to professional installation recommendations, or other installation/use contrary to instructions and safety messaging included within your AccuAir product, (4) expected wear and tear on airbags and other components considering vehicle use, damage related to failure to adequately, install, inspect, maintain, adjust or service as recommended or required, damage resulting from improper suspension set-up, loading, accident, collision, vandalism, abuse, misuse, neglect, fire, flood, normal wear, defects in or degradation of finishes, reflecting corrosion, UV or other environmental influences (5), AccuAir, components used in competition, other off road use or events which may involve unforeseen vehicle components, suspension set ups, contact between vehicles, rocks or obstacles, other components of your vehicle and your AccuAir components, damage or degradation of performance, (6) *labor, lost time, lost use or opportunities, reasonable delays in remedies hereunder, other consequential, incidental, punitive or other damages or costs, including those incurred in removing, reinstalling or delivering your AccuAir component to AccuAir for inspection, repair or replacement.*

OBTAINING WARRANTY & CUSTOMER SERVICE:

Register your AccuAir Purchase. For questions or claims contact AccuAir Customer Service: **100 Sea Ray Drive, Merritt Island, FL 32953.** You will be asked to advise AccuAir in writing of your understanding of all defects and provide AccuAir an opportunity to repair or replace the affected component(s) subject to the terms of this Limited Warranty. Please have proof of purchase available.

REMEDY LIMITED TO REPAIR/REPLACEMENT BY ACCUAIR. BINDING, SINGLE CLAIM ARBITRATION-VENUE:

Upon Customer’s removal and delivery to AccuAir for inspection and AccuAir determination of a covered defect, *the exclusive remedy provided hereunder* shall at AccuAir’s option be repair or replacement of the defective AccuAir component(s). Your sole and exclusive remedy for breach of this Limited Warranty or any implied warranty imposed by law, is the reasonable costs for replacement parts necessary to correct the defect(s) upon which the finding of breach is based. *For separate, valuable consideration received; all claims arising from or related to purchase or use of AccuAir components shall exclusively be maintained as a separate action by each Customer applying Florida state law*

(without reference to treaties or conflict of law provisions) through binding arbitration before a neutral selected by Customer from the JAMS® panel closest to Merritt Island, Florida. To the extent permitted by law, each party shall bear its own costs and fees. Any claim to enforce an arbitration award or for other breach or damages under this Limited Warranty can only be brought in a court of competent jurisdiction closest to Brevard County, Florida.

OTHER EXCLUSIONS –LIMITATION OF DAMAGES - YOUR RIGHTS UNDER STATE LAW.

No employee, other agent of AccuAir or authorized reseller may, amend or waive this written Limited Warranty or make additional representations or warranties regarding any AccuAir features, performance, workmanship or materials. AccuAir reserves the right to make changes in design and changes or improvements upon its products without imposing any obligation on itself to install or upgrade the same upon products previously manufactured.

By installation and use of your AccuAir product, and/or submitting a claim under this **Limited Warranty**, you acknowledge that you have received and understand all product instructions, warnings and this **Limited Warranty** and agree to be bound by all terms therein, reflecting the exclusive terms and remedies of the parties bargain.

This Limited Warranty gives you specific rights. You may also have other rights that vary from state to state. For example, some states do not allow limitations of how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the limitations and exclusions herein may not apply to you. All other warranties are hereby disclaimed, except to the extent prohibited by applicable law.



DESCRIPTION	BOX #	PART #
Jeep JL Wiring & Plumbing Kit	1	20-19832
TouchPad Controller Assembly	2	20-18842
Jeep JL ECU Assembly	3	20-19829
Jeep JL Hybrid/392/Diesel Inflation Assembly	4	20-20083
GPS Speed Controller	5	20-19898
1/4" DOT Air Line	6	20-20540
Jeep JL Air Spring Kit	7	20-19826
Jeep JL Control Arm Kit Assembly	8	20-19831
Jeep JL Shock Kit	9	20-19827
Jeep Inflation Accessory Kit	10	20-19830

**FOR A FULL BREAKDOWN OF PARTS INCLUDED IN EACH BOX,
PLEASE REFER TO THE PARTS APPENDIX ON PAGE 87.**

SAE & SAE Hex Key Sockets/Wrenches

(5/32", 7/32" & 5/16" Hex Key Sockets, 7/16", 1/2", 9/16", 3/4", 13/16", 7/8" & 1-1/8")

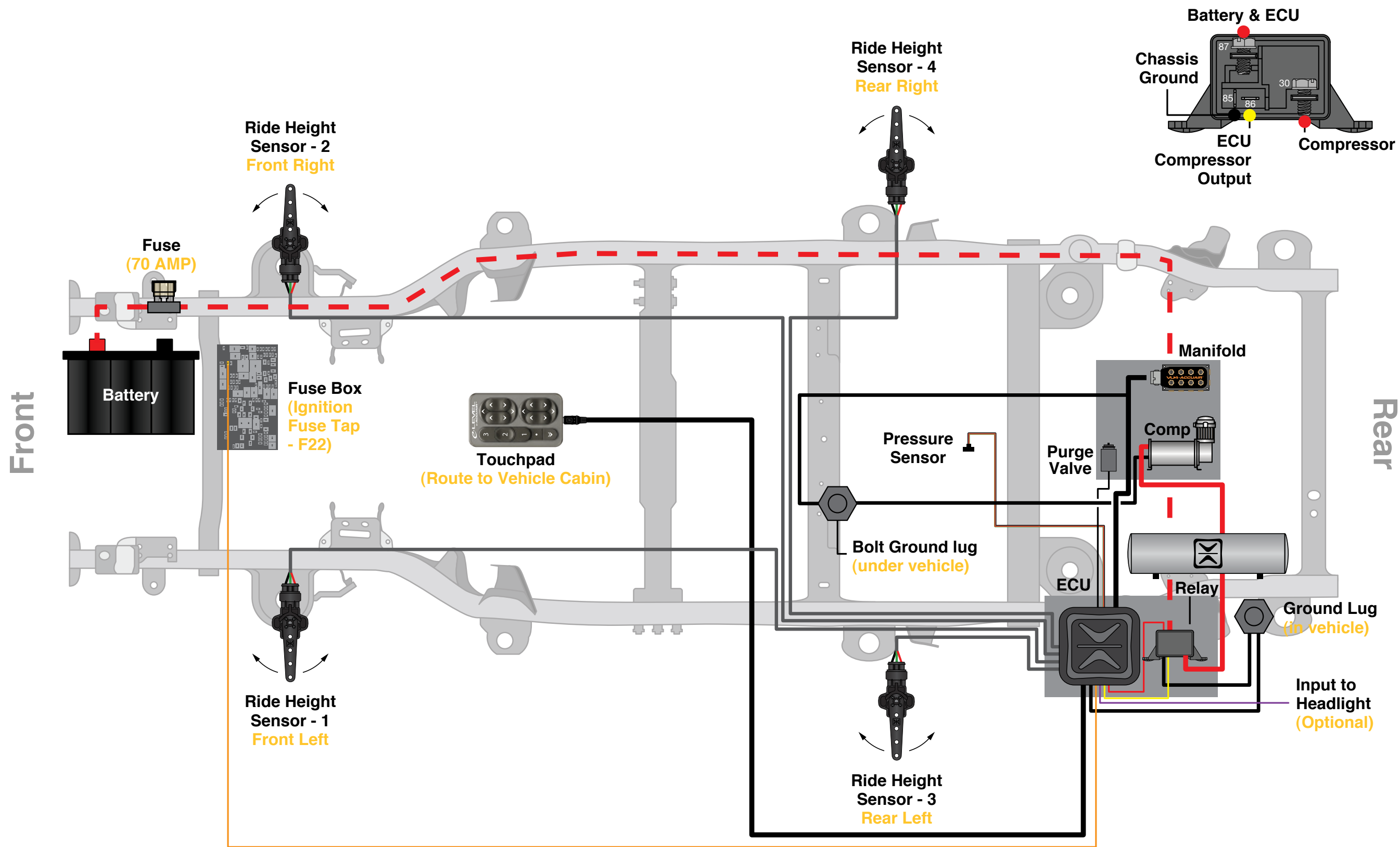
Metric & Metric Hex Key Sockets/Wrenches

(6mm Hex Key Socket, 8mm, 10mm, 13mm, 15mm, 18mm, 19mm, 21mm, 22mm & 24mm)

Allen Wrenches

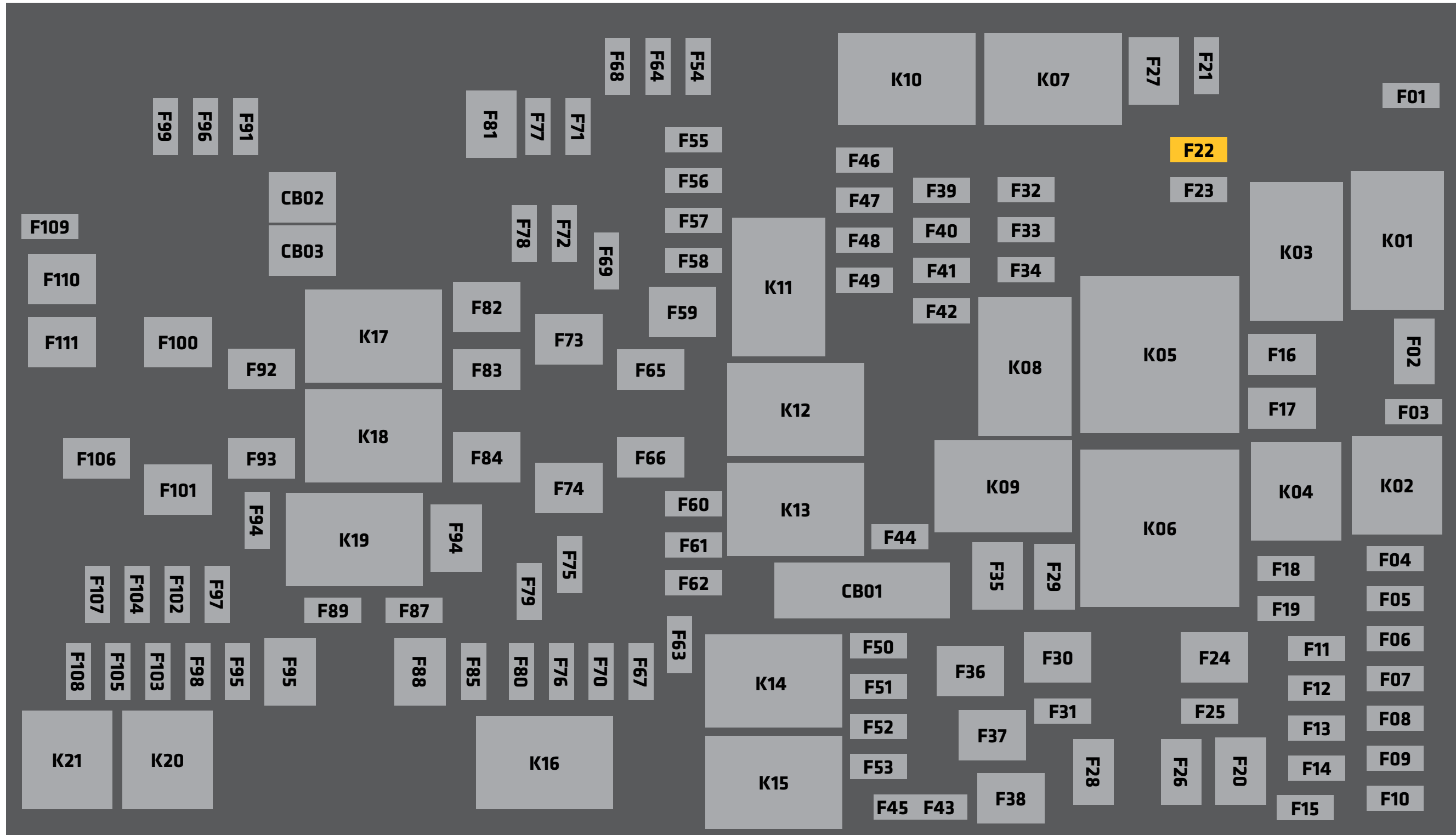
(4mm, 5mm & 6mm)

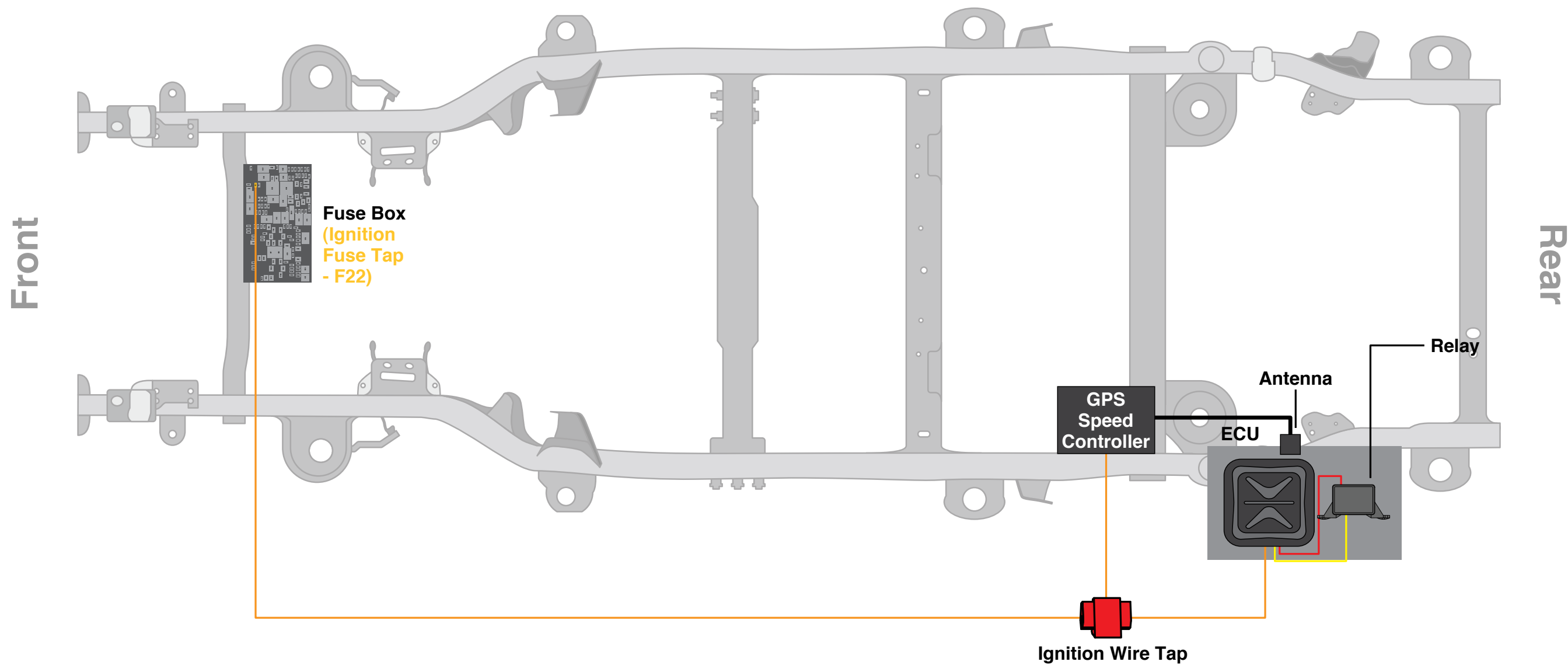
Measuring Tape**Safety Glasses****Wheel Chock****Blue Loctite****Jack Stands****Floor Jack****Pliers****Torque Wrench****Wire Brush****Wire Barrel Crimper****Wire Stripper****Heat Gun****T40 Torx Bit****Air Compressor****Rubber-Tipped Air Inflator**





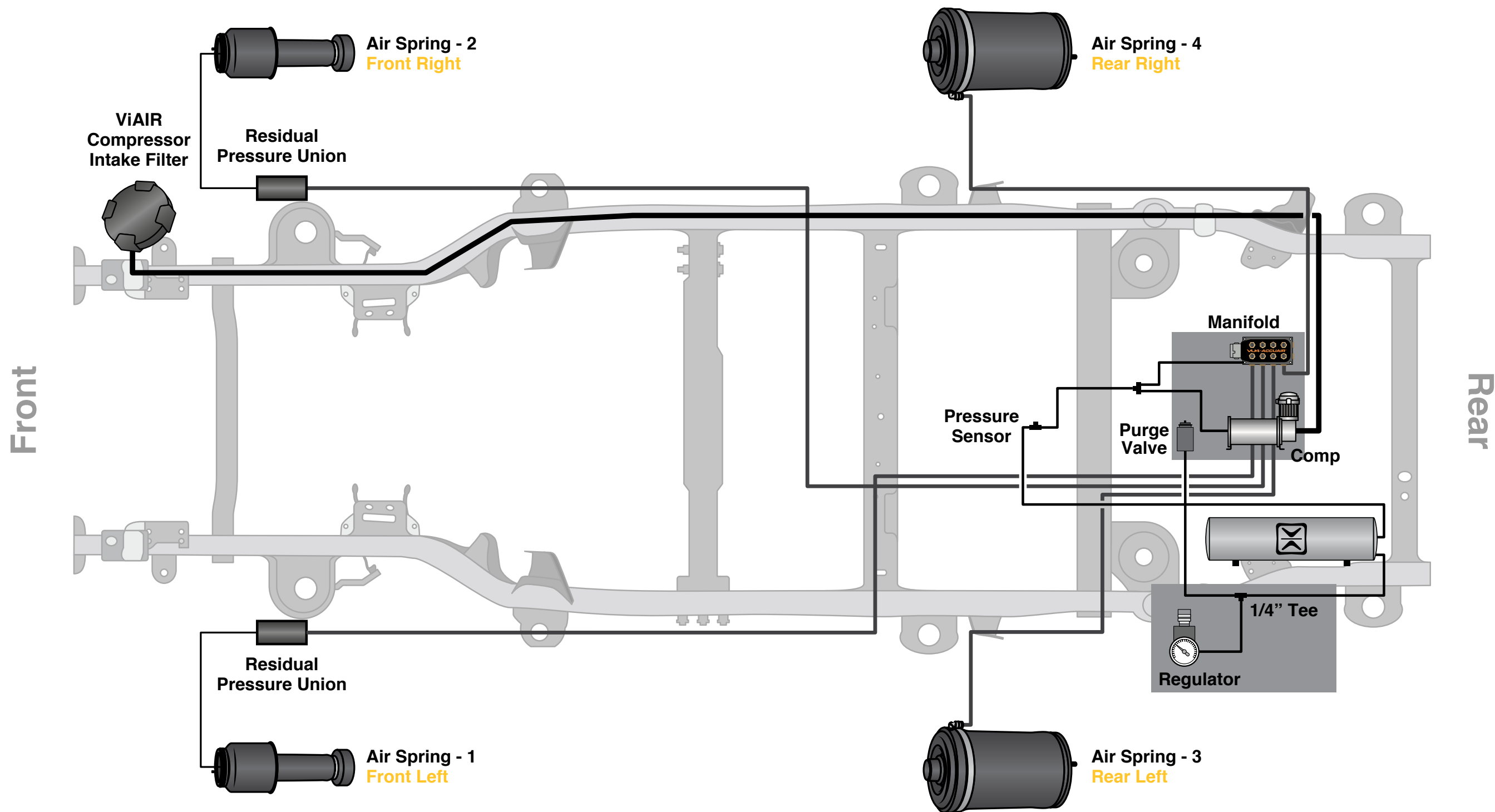
TAP INTO F22







WARNING:
Never lower vehicle to the ground without air springs being fully inflated.





NOTICE TO THE INSTALLER:

This suspension kit is installed differently than most suspension kits. We will have you install electrical and airlines first. Then you will install suspension system parts.

WIRE ROUTING

IF VEHICLE IS A 4XE MODEL, PLEASE FOLLOW STEPS 1-6.

IF VEHICLE IS AN ETORQUE, DIESEL, OR 392, PLEASE FOLLOW STEPS 7-11.

1. Take the 6 gauge power wire with the 70 AMP fuse installed from the box labeled **Box 1**. (Figures 1, 2)
Lay the fuse on top of the battery and route remaining wire along the right side frame rail to the rear of the vehicle. **Do not connect to battery at this time.**



FIGURE 1



FIGURE 2

2. Remove rear left taillight assembly. (Figure 3)



FIGURE 3

3. Remove the rear left side plastic and carpet from the vehicle such that wiring can be routed. (Figure 4)



FIGURE 4



4. Locate the valve harness plug, compressor power cable, battery power cable, 1/4" air line, and height sensor harness plug from **Box 1**. (Figure 5)



FIGURE 5

5. Pull wires and hose from below the vehicle (originating above the rear differential) along the frame rail, up into the tail-light cavity and through the upper grommet, note the grommet will have to be cut to allow for clearance. (Figures 6, 7)



FIGURE 6



FIGURE 7



6. Locate the main harness, and pull the purge valve harness from the cab, through the grommet and down towards the differential. (Figures 8, 9)

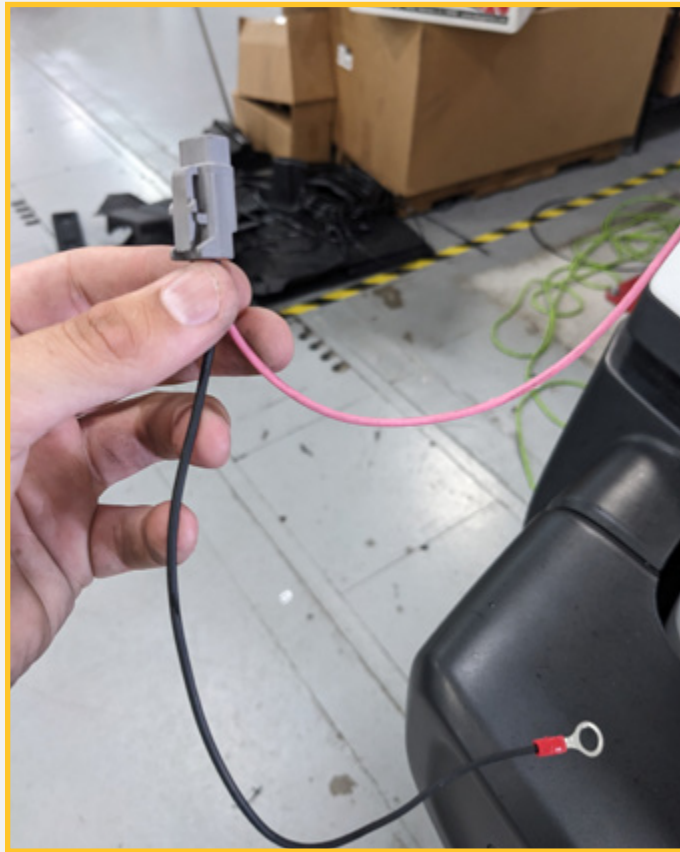


FIGURE 8



FIGURE 9

SKIP TO STEP 12 IF THE VEHICLE IS AN ETORQUE, DIESEL, OR 392 MODEL.

7. Take the 6 gauge power wire with the 70 AMP fuse installed from the box labeled **Box 1**. (Figures 10, 11)
Lay the fuse on top of the battery and route remaining wire along the right side frame rail to the rear of the vehicle. Do not connect to battery at this time.



FIGURE 10



FIGURE 11

8. Remove the floor pan drain plug from underneath the center of the vehicle. (Figures 12, 13)



FIGURE 12



FIGURE 13

9. Install the provided rubber grommet (**Box 1, Bag 20-18283**) in the floor pan hole. (Figure 14)



FIGURE 14

10. Pull the ECU main harness plug, valve harness plug, compressor power cable, batter power cable, and height sensor harness plug (All found in **Box 1**) into the cab via the grommeted floor pan hole. Run an end of the 1/4" air line for the pressure regulator into the cab via the grommeted floor pan hole. (Figures 15, 16)



FIGURE 15



FIGURE 16

- 11. Inside the cab, fold the rear seats forward. Gather and pull the wires, tubing, and ground connections, up from the grommeted floor pan hole. (Figures 17, 18)



FIGURE 17



FIGURE 18

- 12. Remove left side rear fender carpet, and move wiring connectors and tube to behind rear seat body panel. Install ground rings for ECU, relay, and speed module cable ground wires. Use a wire brush on stud to clear residual paint. Secure rings on body grounding stud with standoff (Box 1, Bag 20-20537) with 13mm wrench. (Figure 19)



FIGURE 19

- 13. Heat shrink the tube onto wire end and crimp copper ring terminal onto battery power cable. (Use the ring terminal with flat sides.) (Found in box Box 1, Bag 20-18283) (Figure 20)

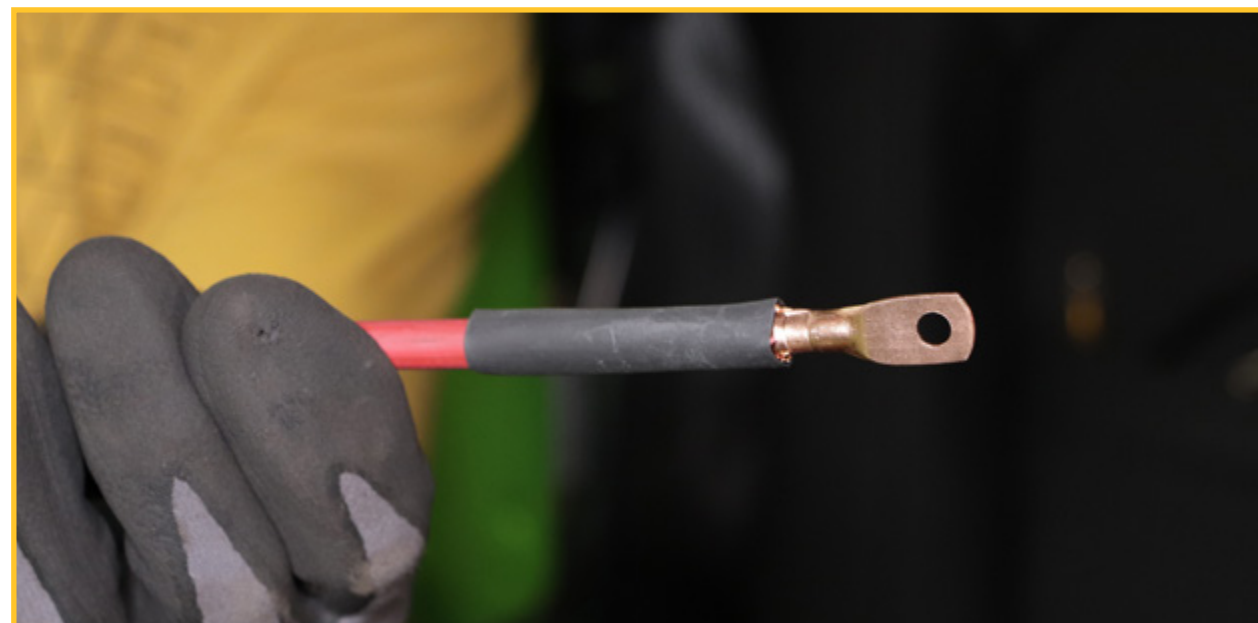


FIGURE 20



14. Behind the left rear back seat, cut two holes in the carpet. (Figures 21, 22)



FIGURE 21

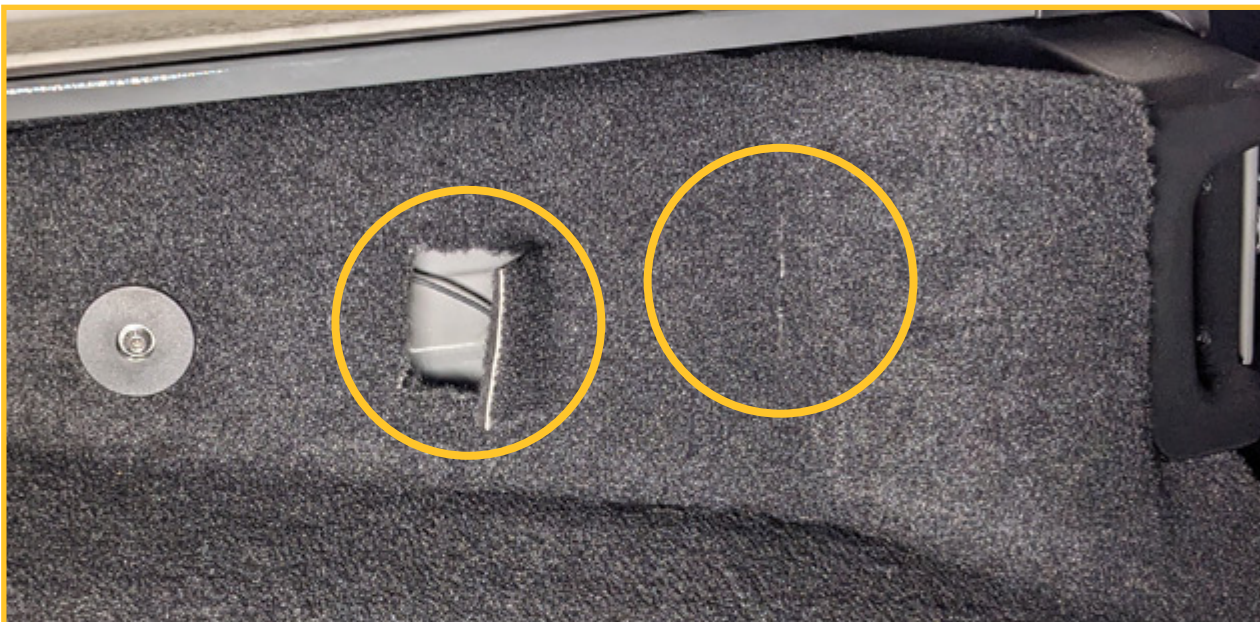


FIGURE 22

15. Gather all wire harnesses plus the 1/4" air tubing and bundle them behind the carpet. (Figure 23) Also add TouchPad cable (white connector - Found in **Box 2**). (Figure 24)

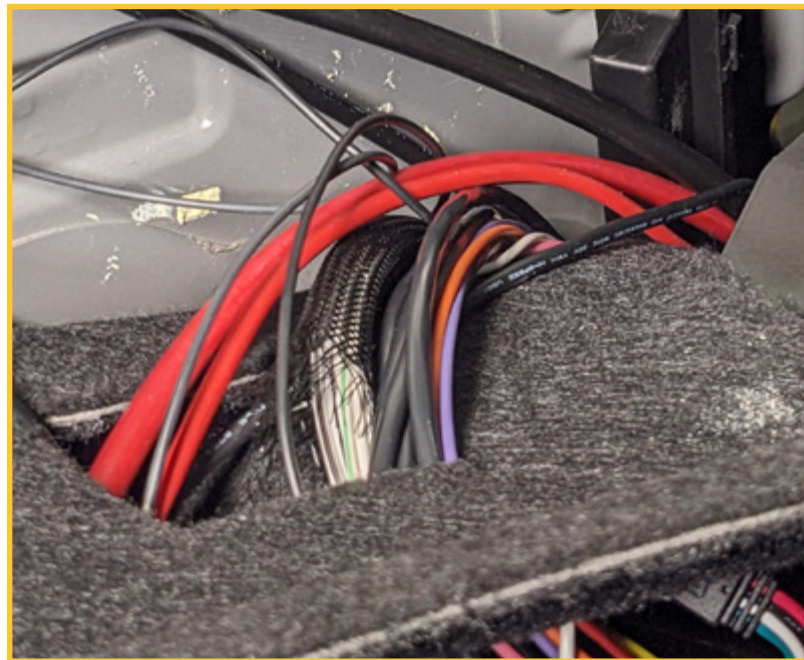


FIGURE 23



FIGURE 24



16. Find the ECU bracket from box **Box 3**. Make electrical connections as shown below. Refer to relay diagram to make relay connections. (Figures 25, 26)



FIGURE 25

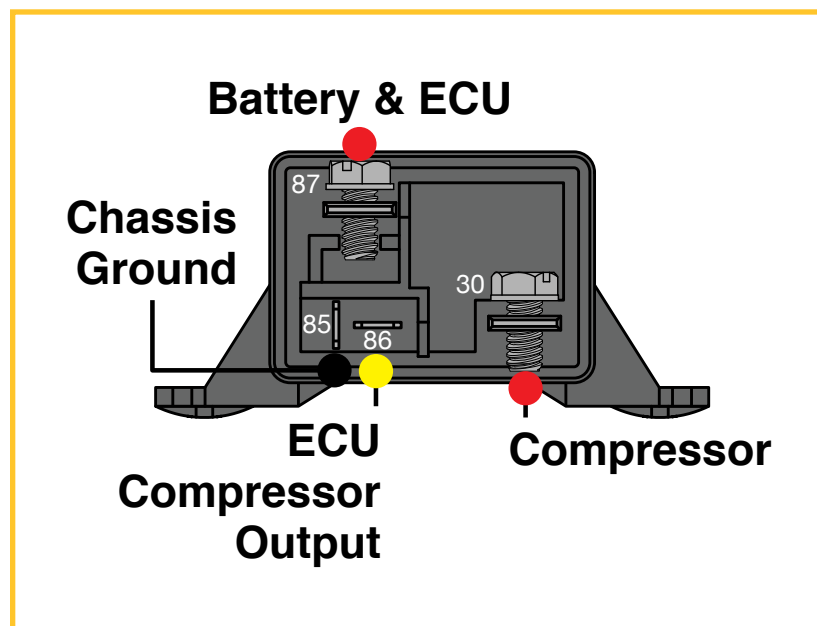


FIGURE 26

NOTE: When installing the **valve harness** on **4xe models**, use the provided valve extension harness found in **Box 1**.

TANK INSTALLATION
IF VEHICLE HAS A HARDTOP, PLEASE FOLLOW STEPS 17-19.
IF VEHICLE HAS A SOFTTOP, PLEASE FOLLOW STEPS 20-24.

17. Locate the tank and bracket located in **Box 4** and quantity 2 M8x 1.25 x 20mm button head cap screws found in **Box 4, Bag 20-20085**). (Figure 27)



FIGURE 27



18. Remove the rear roll bar trim piece from the rear left side roll bar. (Figures 28, 29)



FIGURE 28



FIGURE 29

19. Now attach the tank to the roll bar using the 2 M8 x 1.25 x 20mm screws using a 5mm Allen wrench (apply blue Loctite on screws). (Figure 30)



FIGURE 30



**YOU MAY NOW SKIP TO STEP 25 IF THE VEHICLE HAS A HARDTOP
PLEASE FOLLOW STEPS 20-24 FOR SOFTTOP**

20. Locate the Cargo Mount Tank Bracket and associated hardware. (Qty 4 5/16 x 18 socket head cap screws, Qty 4 5/16 x 18 Nylon lock nut found in **Box 4, Bag 20-20085** (Figure 31)



FIGURE 31

21. Install tank quick release plastic feet to tank cargo bracket, using 5/16 hardware as shown. (Figure 32)



FIGURE 32

22. Remove Jeep tie down trim piece from cargo area on left side, using a T40 torx bit. (Figure 33)



FIGURE 33

23. Install tank cargo bracket, using OEM T40 torx bit as shown. (Figure 34)



FIGURE 34



24. Attach tank to cargo tank bracket as shown. Be sure to secure tank with locating set screws using 1/8" Allen. (Figure 35)



FIGURE 35

25. Locate the VU4 compressor bracket assembly in **Box 4**. (Figure 36)



FIGURE 36

26. Go underneath the rear of the vehicle. Above the differential, unbolt the gas tank mount bolt and EVAP cannister bolt. (On 392, you will need to install the provided bolt found in **Box 7, Bag 20-20085**.) (Figures 37, 38)

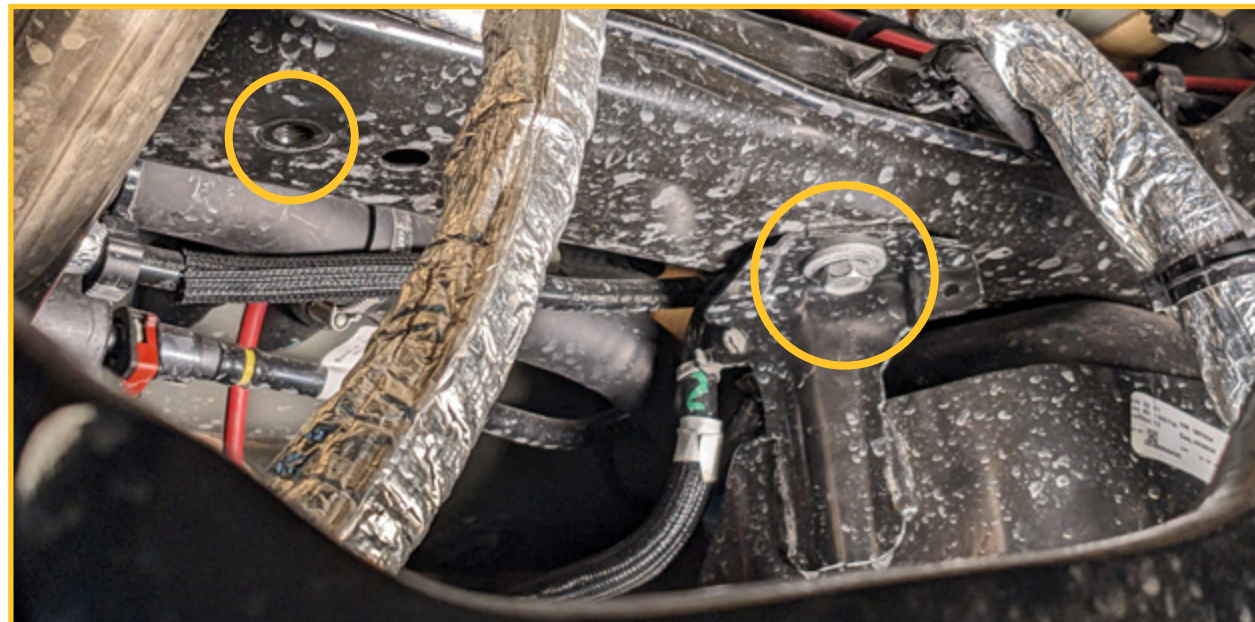


FIGURE 37

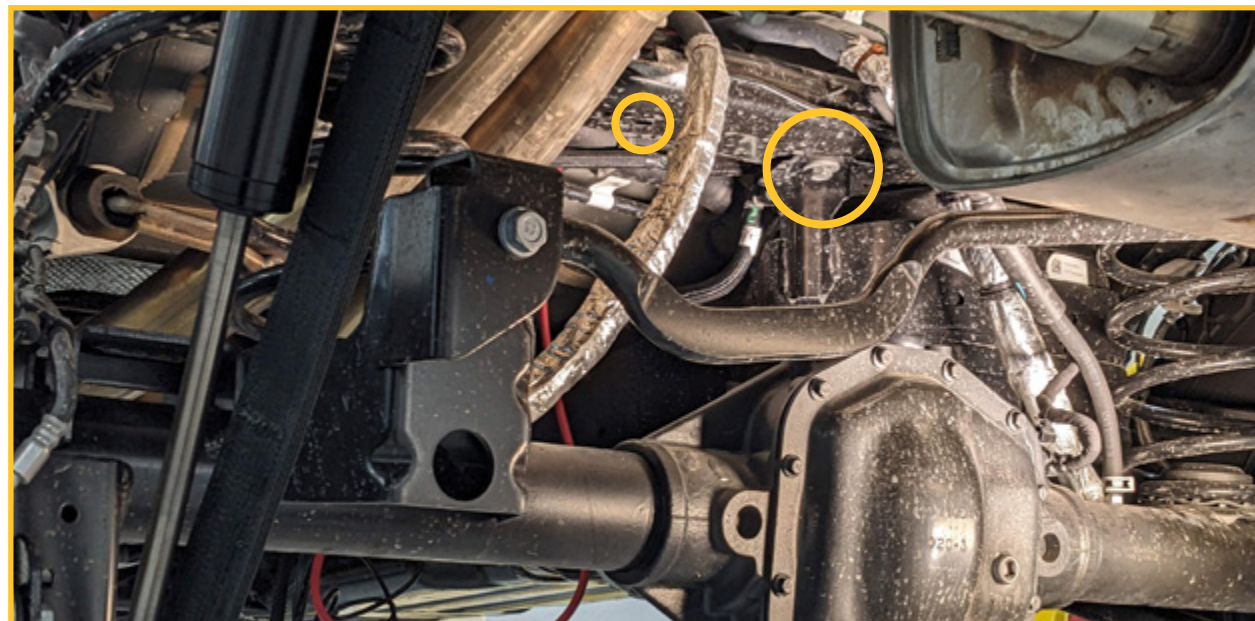


FIGURE 38



NOTE: On 4xe models, TPMS Module will have to be unbolted and relocated. Use cable ties to secure.

27. Install the compressor VU4 bracket as shown, using OEM hardware. (Figures 39, 40)



FIGURE 39

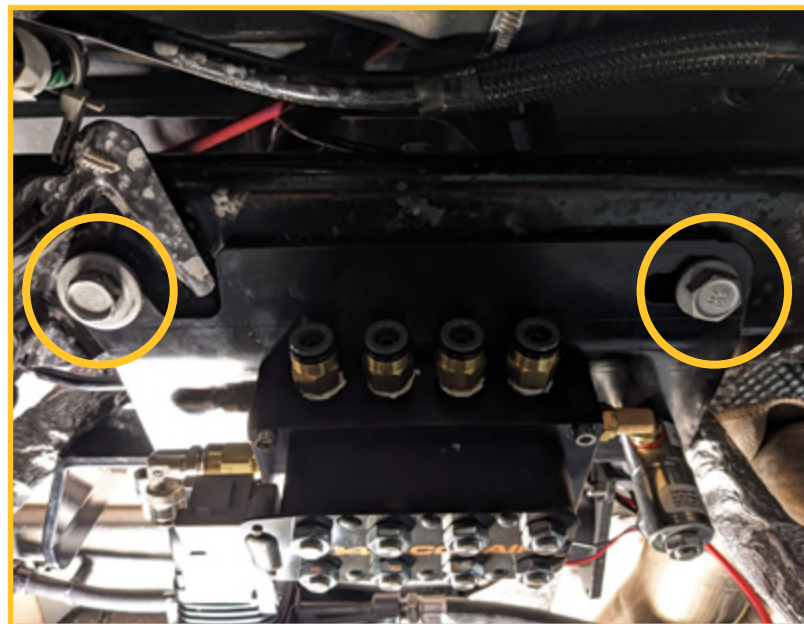


FIGURE 40

28. Reorient the differential breather hose as shown. (Figures 41, 42)



FIGURE 41



FIGURE 42

29. Connect the compressor power cable connector. (Figure 43)



FIGURE 43



30. Underneath the vehicle, connect to the VU4 harness. (Figures 44, 45)



FIGURE 44



FIGURE 45

31. Connect the purge valve. (Figures 46, 47)



FIGURE 46

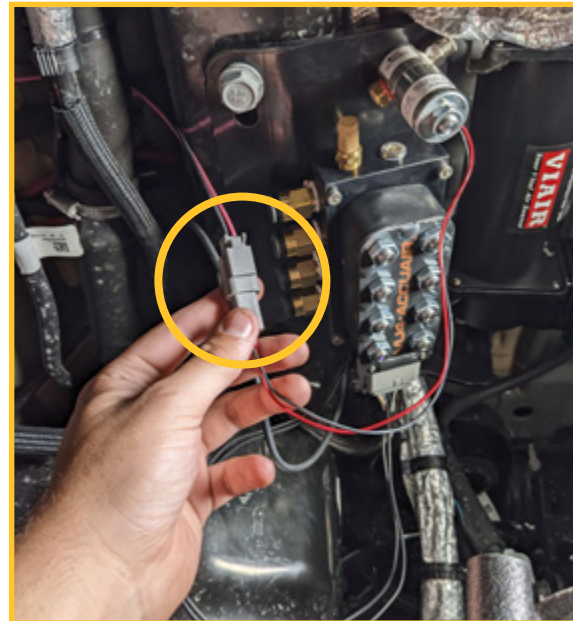


FIGURE 47

32. Connect ground ring terminals for valve harness, compressor, and purge valve to the under-body ground lug (left side of the VU4/compressor bracket). Use a wire brush on stud to clear residual paint. Use M6 x 1 lock nut provided in **Box 6, Bag 20-20085**. (Figure 48)



FIGURE 48

33. Run the orange ignition wire from the ECU and the black 2-pin connector under the left side kick panel toward the left floorboard. (Figure 49)



FIGURE 49



34. Route the orange ignition wire from the left side kick panel up to the fuse box under the hood on the right side. (Figure 50)

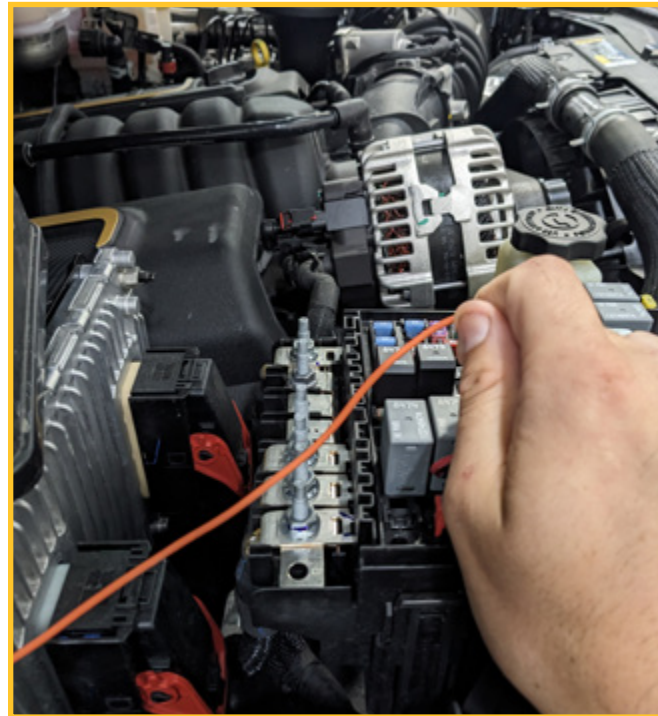


FIGURE 50

35. Crimp the orange ignition wire to the fuse tap provided in **Box 1, Bag 20-18283**. Extract 20 AMP fuse from **F22** and place on bottom position of the fuse tap. Pull the spare **5 (or 10) AMP** fuse and position in top slot of the fuse tap. (Figure 51)

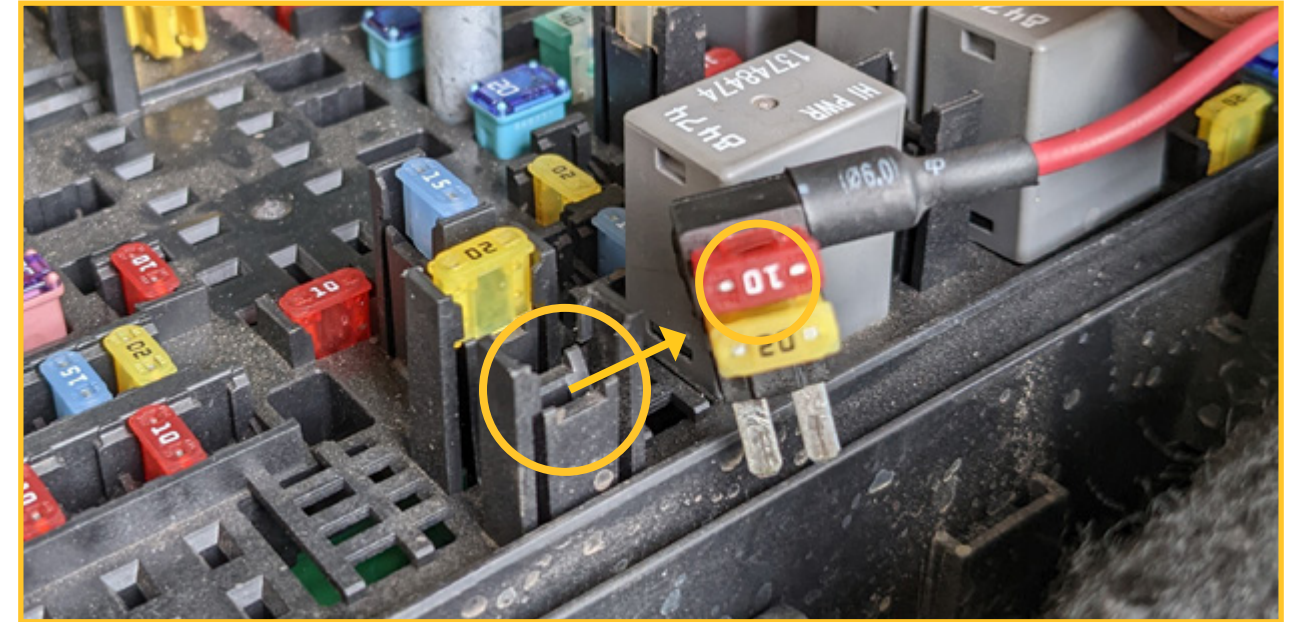


FIGURE 51

36. Remove the fuse in position (**F22**) and install the fuse tap. (Figure 52)

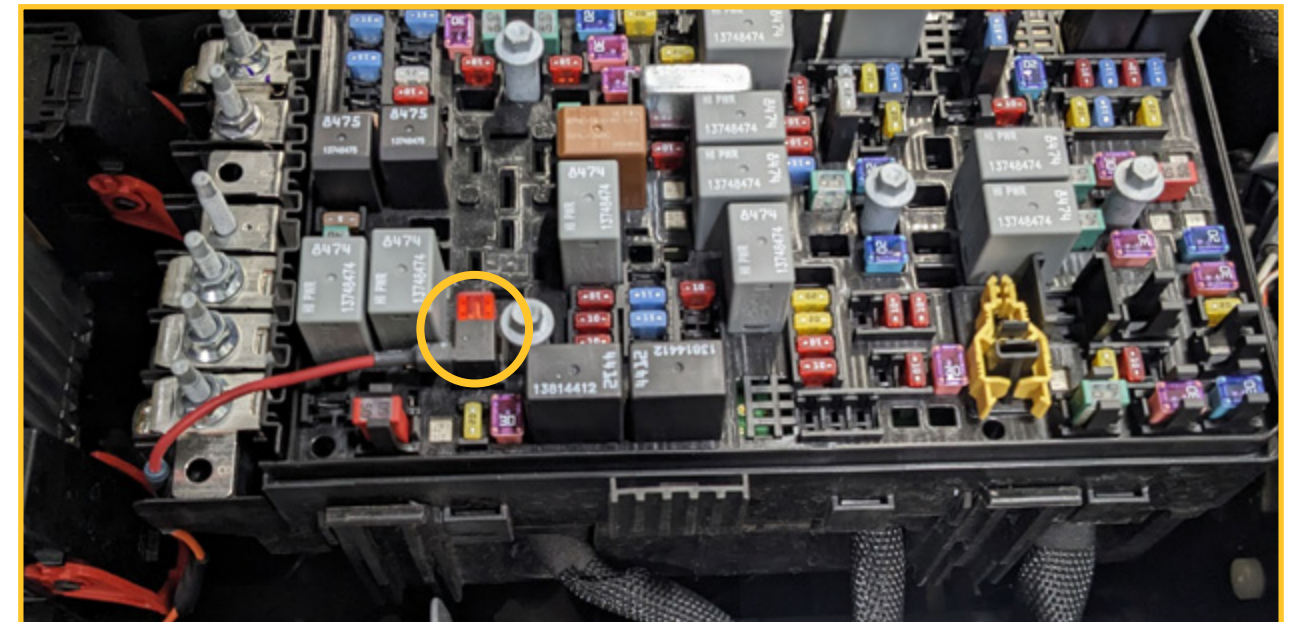


FIGURE 52

37. Locate the GPS speed controller and T-tap in **Box 5**. (Figure 53)



FIGURE 53

38. Attach T-tap to orange ignition wire near left side back seat. Connect GPS speed controller spade connector to T-tap. (Figure 54, 55)



FIGURE 54



FIGURE 55

39. Route the GPS antenna cable through the carpet along the ignition and power cables. Attach GPS antenna to the top of the ECU bracket. (Figure 56)



FIGURE 56

40. Connect 12-pin Molex connector from ECU harness to GPS Speed module. (Figure 57, 58)



FIGURE 57

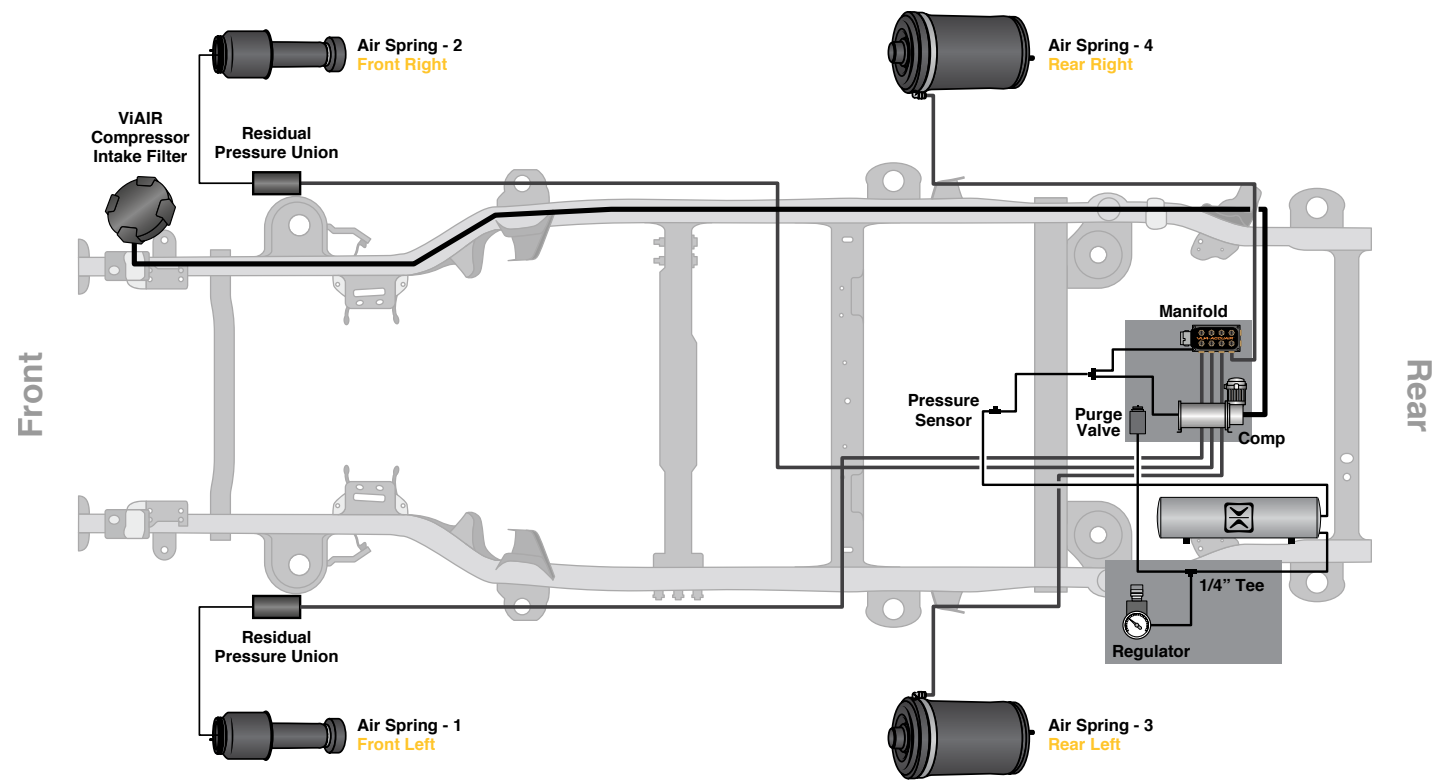


FIGURE 58

41. Tuck remaining GPS wiring under carpet.



1. Plumb air lines (**Box 6**) according to the diagram below.



2. Make VU4 connections as shown. Note the port to corner association with Figure 22 and plumbing diagram. (Figure 59)

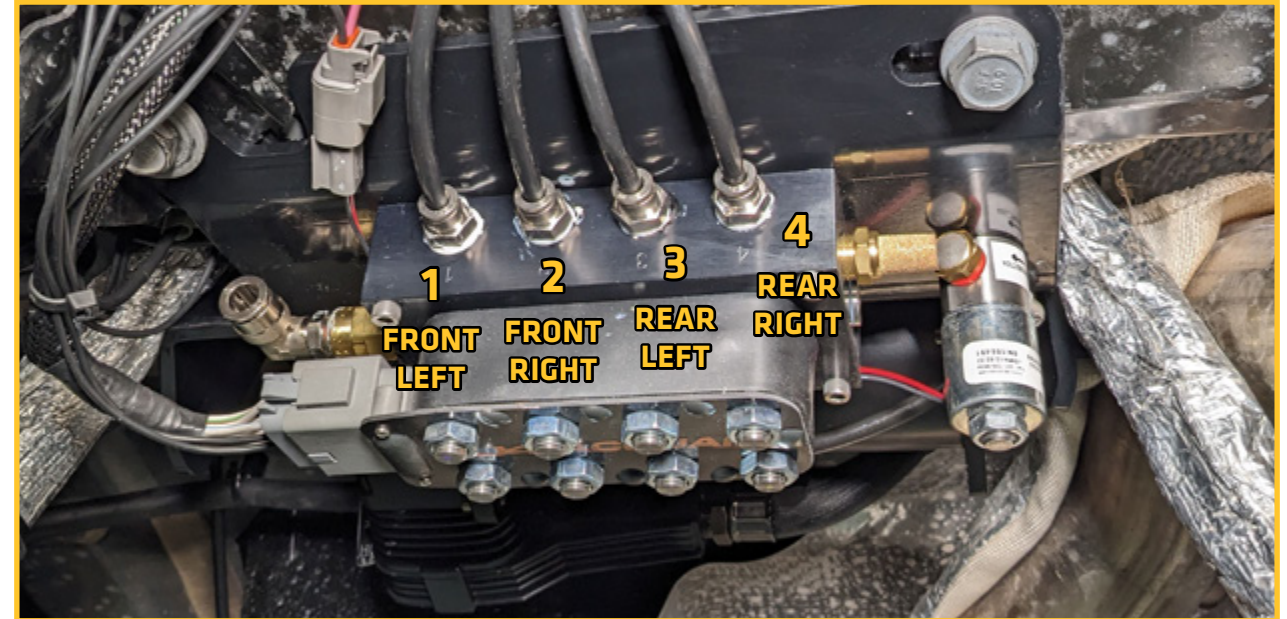


FIGURE 59

3. Locate 3/8" air line and intake filter found in **Box 1**. (Figure 60)



FIGURE 60

 **WARNING:**
Never lower vehicle to the ground without air springs being fully inflated.



4. Connect one end of 3/8" line to intake filter. Then, install intake filter near engine intake in the front right side under the hood. (Figure 61)



FIGURE 61

5. Route the intake line back to the compressor and connect to the 3/8" elbow. (Figure 62)

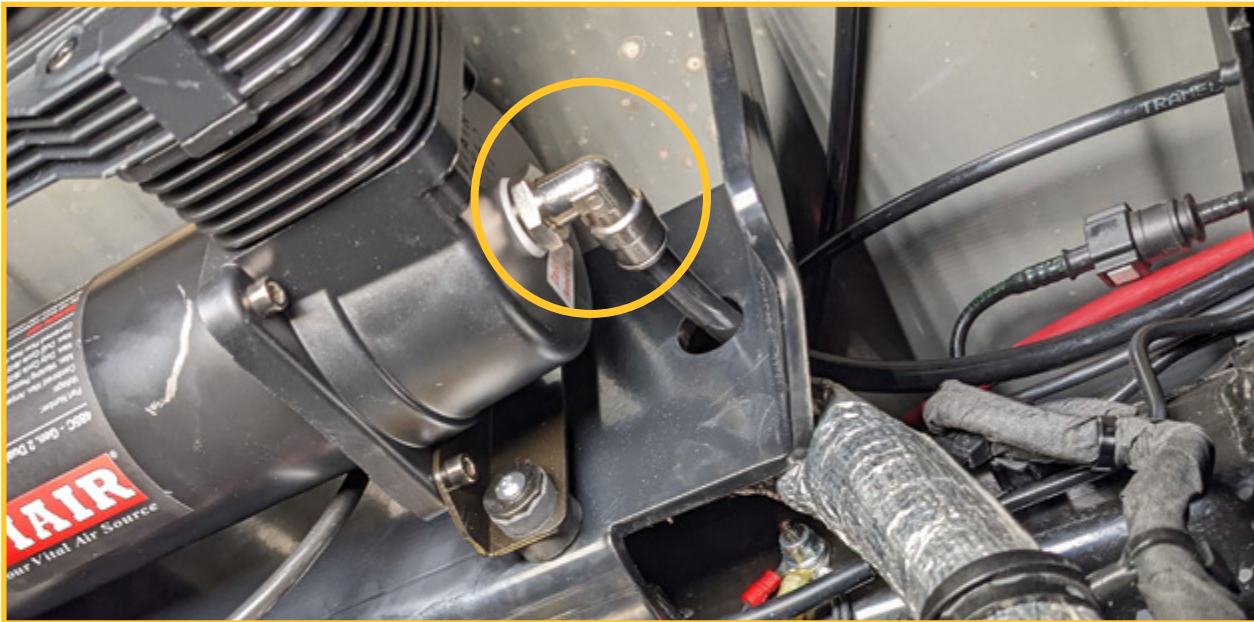


FIGURE 62

6. Connect purge valve with the 1/4" air line that goes in the cabin. (Figure 63)

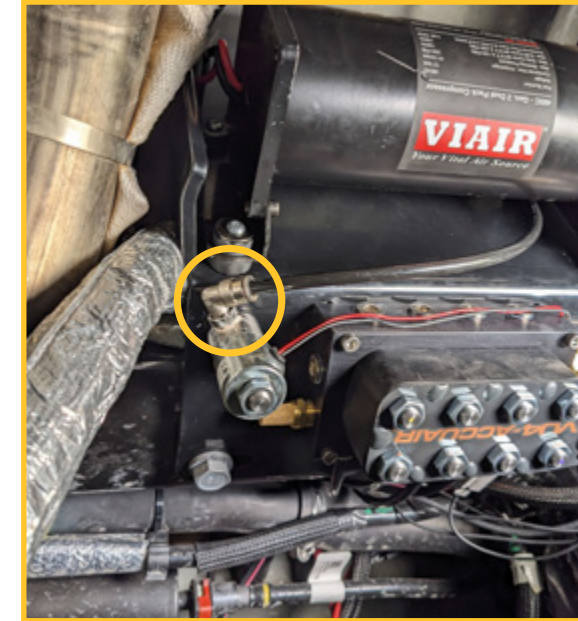


FIGURE 63

7. Connect VU4 and run 3/8" line up the hole in the vehicle where wiring goes up. (Figure 64)

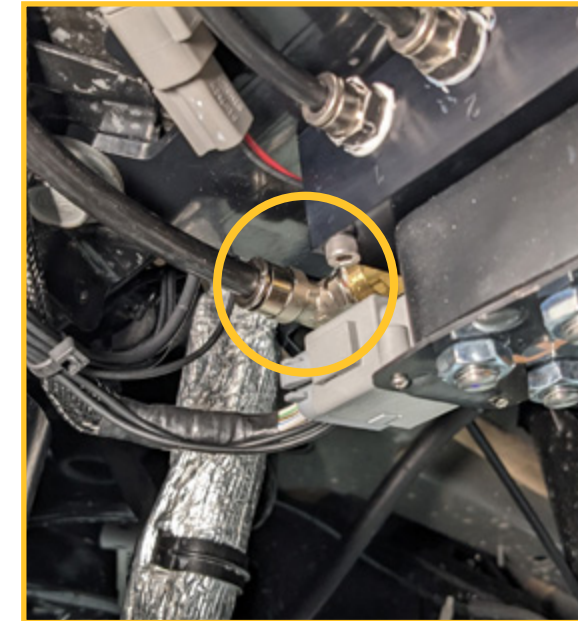
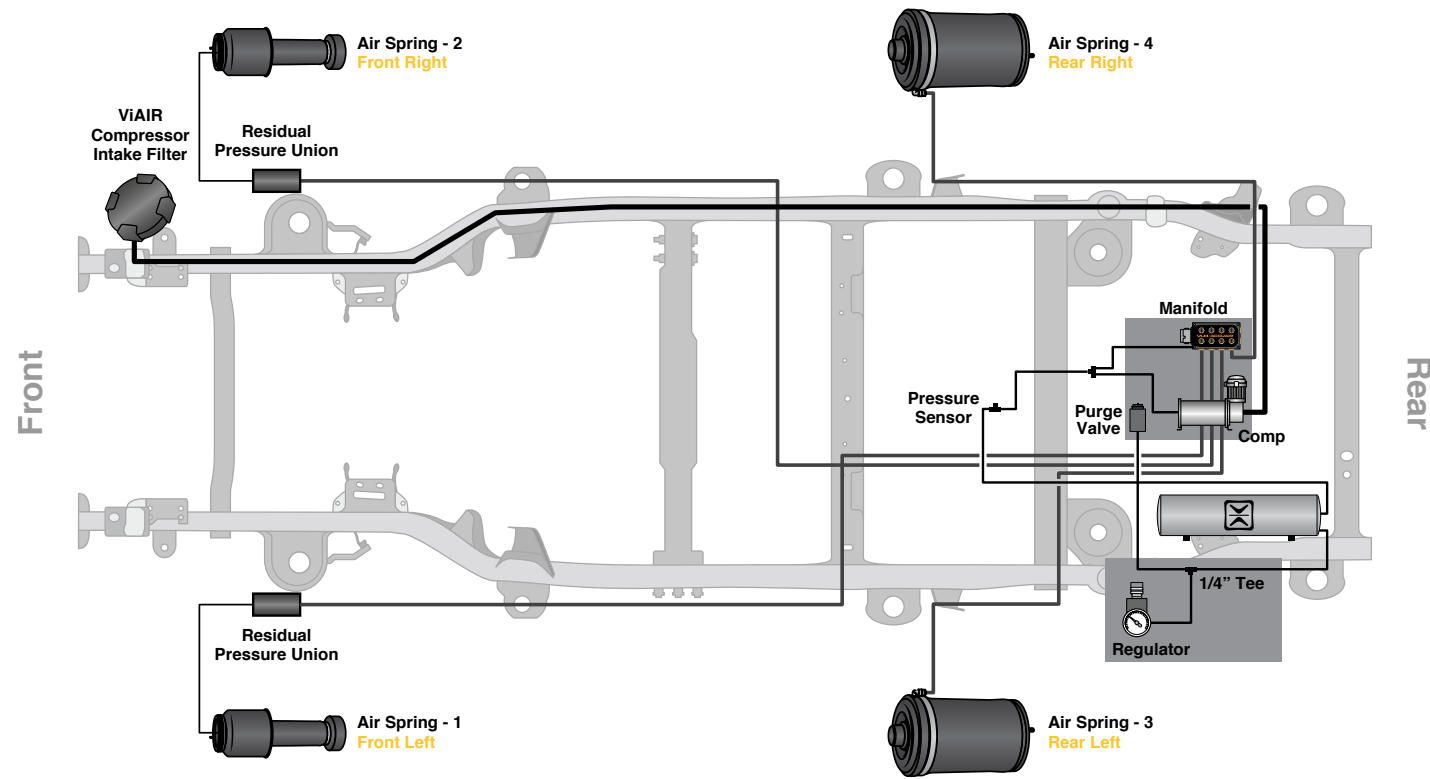


FIGURE 64



- 8. Connect 3/8" tubing from compressor push to connect and route up the hole in the vehicle where the wiring goes up (Figure 65). Reference plumbing/routing diagram.



PLUMBING/WIRING DIAGRAM (REFER TO PAGE 15 & 16 FOR ENLARGED VIEW)



FIGURE 65

- 9. Inside the vehicle, take the 3/8" line from the compressor and the 3/8" line from the VU4 (Figure 66). Trim both to install the Y fitting (Box 4, Bag 20-20085) and install a section of 3/8" hose to the open port and run it back towards the rear cargo area (Figure 67). Reference plumbing/routing diagram.



FIGURE 66



FIGURE 67

- 10. Make a cut to the 3/8" line going to the cargo area. Install pressure Tee (Found in Box 4, Bag 20-20085) and plug in pressure sensor connector to pressure sensor (Figures 68, 69). Reference plumbing/routing diagram.



FIGURE 68



FIGURE 69



- 11. Next, cut the 1/4" airline behind the ECU bracket and install the 1/4" Tee (Figure 70). Then install a ~12" section of 1/4" hose to the open port and route through the hole in the carpet (Figure 71).



FIGURE 70



FIGURE 71

- 12. Route the 12" 1/4" tubing out towards the regulator. (Figure 72)



FIGURE 72

- 13. Now hook up the 3/8" line from the pressure sensor fitting and the 1/4" line from the tee fitting to the tank. (Figures 73, 74)



FIGURE 73



FIGURE 74

Install the ECU bracket. Remove the button head screw from the standoff with a 4 mm Allen wrench (Figure 75), and loosen the hex bolt near the left side right door using a 13mm wrench (Figure 76).



FIGURE 75



FIGURE 76



- 14. Slide the ECU bracket onto the backside of the hex bolt and washer then tighten the buttonhead screw on the alternate side (Figures 77, 78)



FIGURE 77



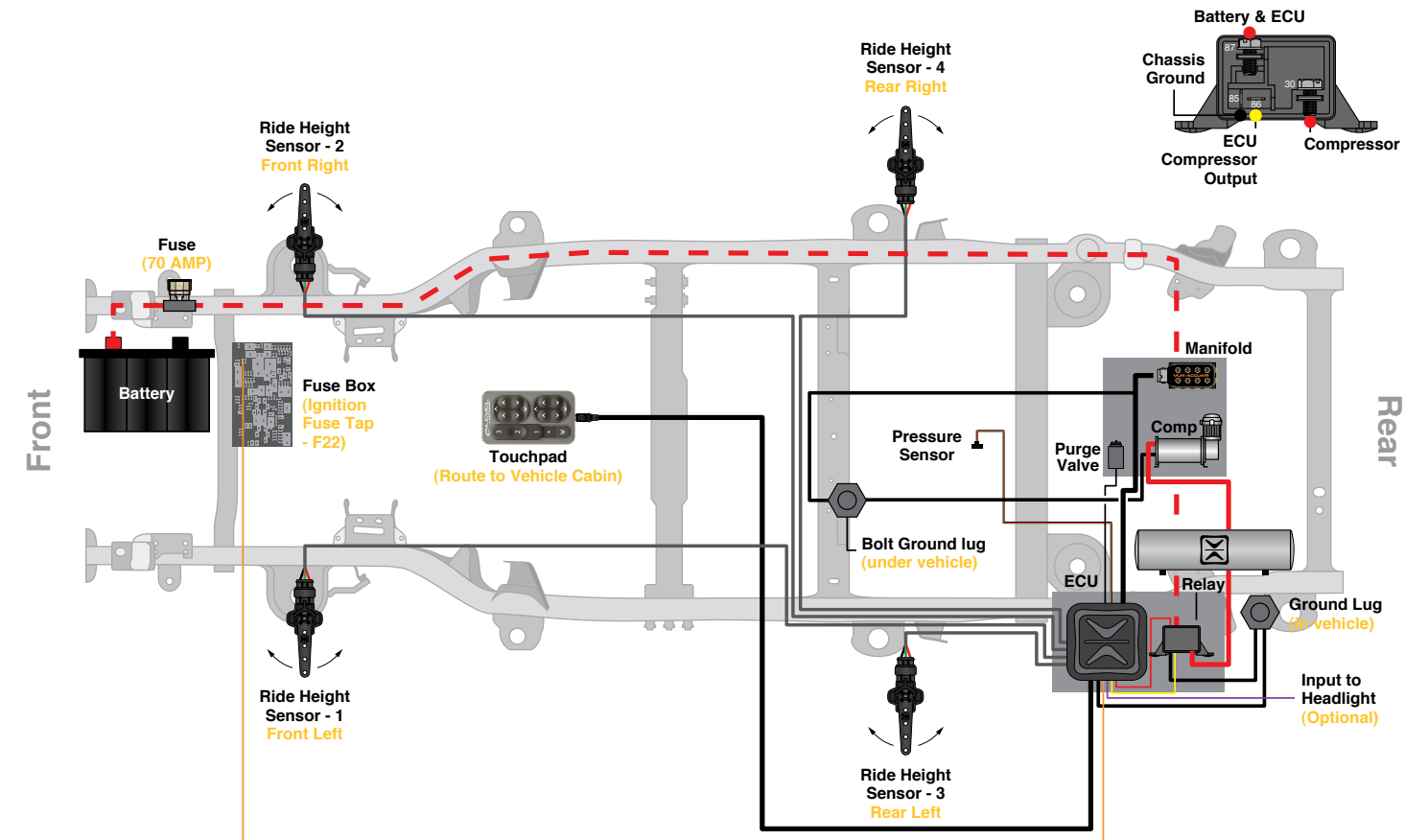
FIGURE 78

- 15. Finally, trim the 1/4" airline to length and install on the bottom of the regulator. (Figure 79)



FIGURE 79

- 16. Route height sensor wiring (**Box 6**) to wheel wells according to the diagram below. Ensure harness numbers are going to the correct corners "1, 2, 3, and 4".



WARNING:

Keep all air lines and wires away from heat and metal to prevent melting or chaffing.



- 17. Next, locate the TouchPad (**Box 2**) user interface where you want it to be in the vehicle (typically near center console). Ensure the cable is routed appropriately for your chosen location. (Figure 80)



FIGURE 80

- 18. Hook up the main power by terminating the short leg of the power cable (Ring terminal found in **Box 1, Bag 20-18283**). Remove the 70 amp fuse from the holder. Connect to the battery. Then, reinstall the 70 amp fuse. (Figures 81, 82, 83)



FIGURE 81



FIGURE 82



WARNING:

Never lower vehicle to the ground without air springs being fully inflated.



FIGURE 83



FRONT INSTALLATION

1. With vehicle on flat level ground, set emergency brake & chock rear tires/wheels.
2. Raise front of vehicle. Support frame rails using jack stands at indicated lift points in OEM service manual.
3. Remove the front tires/wheels using a 22mm socket.
4. Remove OEM front sway bar end links using a 6mm hex key socket/wrench & 18mm socket/wrench. (Figure 84)



FIGURE 84

5. Disconnect OEM front track bar from frame using a 21mm socket/wrench. (Figure 85)

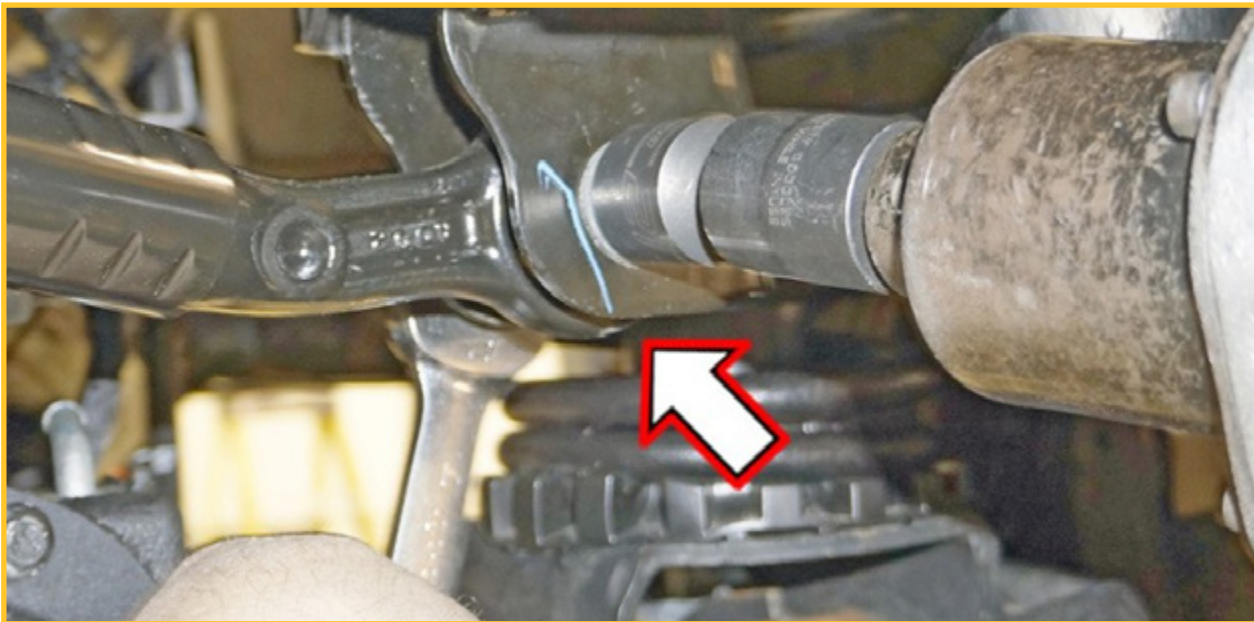


FIGURE 85

6. Disconnect OEM front shock from upper shock tower mount & lower axle mount using a 18mm socket/wrench. (Figure 86)



FIGURE 86

7. Disconnect OEM front brake line brackets from OEM front lower control arms using a 15mm socket/wrench. (Figure 87)

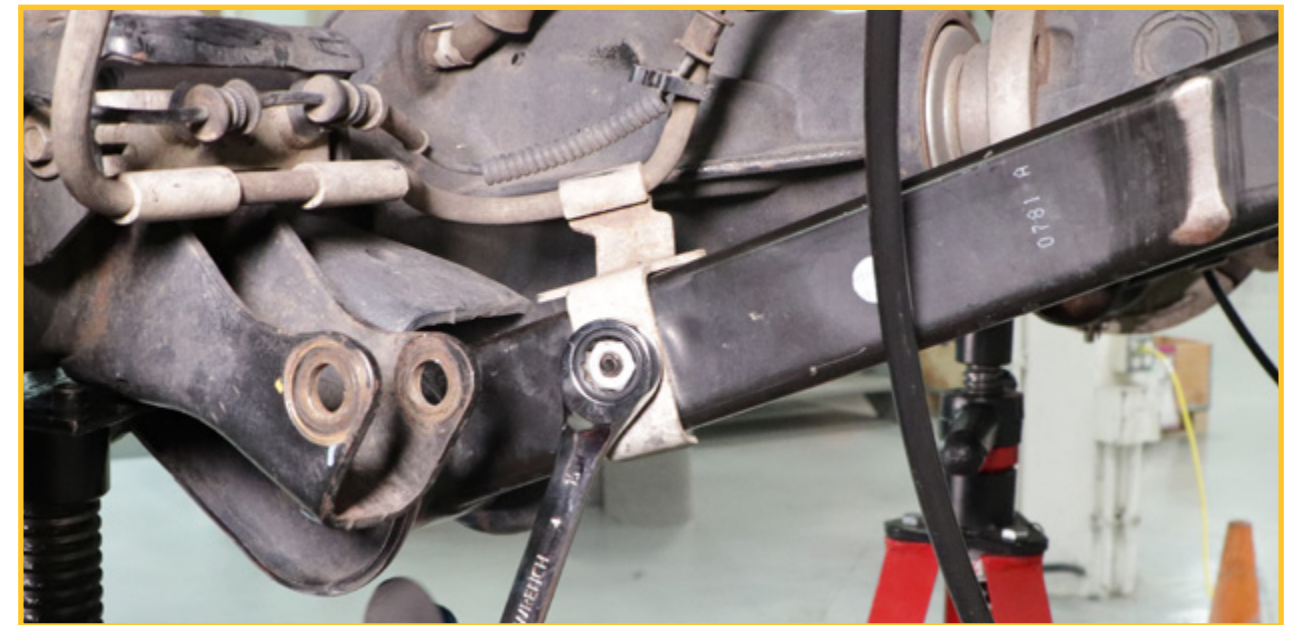


FIGURE 87



FRONT INSTALLATION

- 8. While checking for appropriate slack in ABS lines, brake lines, differential vent hose, etc, lower front differential & remove OEM front coil springs.
- 9. Remove the bump stop and upper/lower spring isolators. (Figures 88, 89, 90)

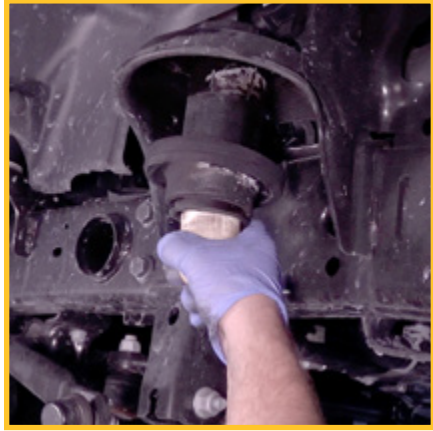


FIGURE 88



FIGURE 89

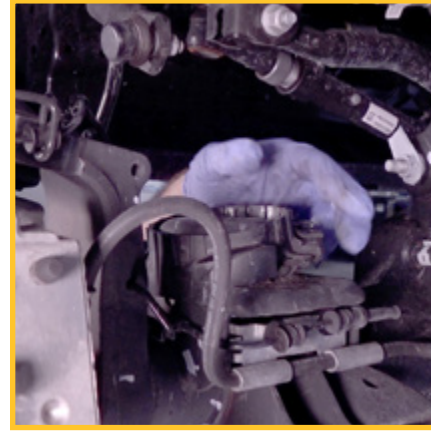


FIGURE 90

NOTE: If the vehicle is a **Diesel** or **392 Jeep**, the front bumpstop extension must be cut to allow for air spring clearance. Please follow the following two instructions. If the vehicle is not a diesel or 392, please skip to step 10.

DIESEL & 392 BUMPSTOP MODIFICATION (ONLY CUT ON DIESEL & 392 MODELS)

- 1. Use a tape measure and butt the end into the upper spring seat. Mark the bumpstop spacer at 5 1/4". (Figures 91, 92)



FIGURE 91



FIGURE 92

- 2. Cut the bumpstop off at this mark. Be sure to file rough edges. It should look as follows when trimmed. (Figure 93)



FIGURE 93

- 10. Remove Front Air Springs from **Box 7**.
- 11. Attach air line from **Box 7** to inside of air spring top. (Figures 94, 95)



FIGURE 94



FIGURE 95



12. Install the new air springs with the air line going through the top mount hole of the frame. (Figures 96, 97)

WARNING:
 **Never lower vehicle to the ground without air springs being fully inflated.**

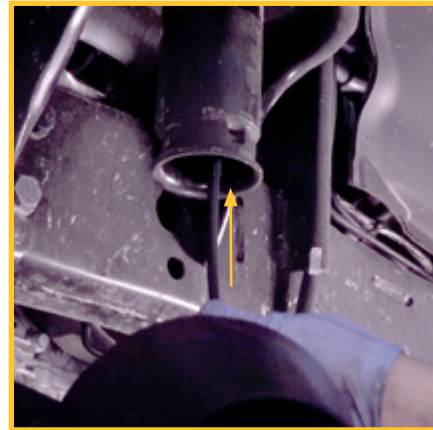


FIGURE 96



FIGURE 97

13. Install and tighten the top and bottom mount nuts (5/16" - 18mm Nylon Nut found in **Box 7 (Sub-Box 20-20545, Bag 20-2544)**) on the air spring studs. Tighten to 17 ft-lbs with 1/2" wrench. (Figures 98, 99)



FIGURE 98



FIGURE 98

14. Install top cap with the air line passing through the center. Seat the cap on the top mount. (Figures 100, 101)

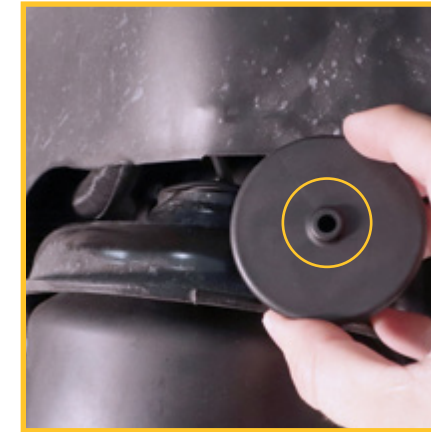


FIGURE 100



FIGURE 101

15. One at a time, remove the OEM front lower control arms & install the new front lower control arms (**Box 8**) using the OEM hardware, a 21mm socket/wrench, & 24mm socket/wrench. (Figure 102)

NOTE: Install the new front lower control arms with the offset bend toward the inside of the vehicle.

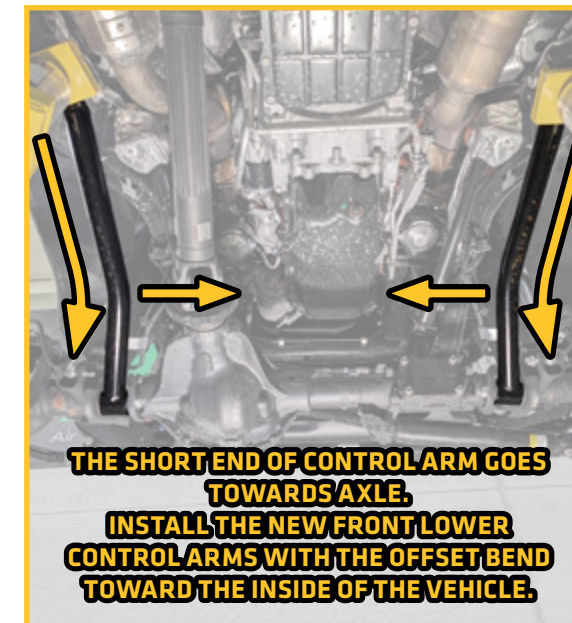


FIGURE 102



FRONT INSTALLATION

16. Install OEM Front Brake Line Bracket to front lower control arm with OEM hardware using a 7/16" socket/wrench. (Figure 103)
Connect OEM front brake line bracket to bracket using supplied 1/4" x 1" Fine Thread Bolt with 1/4" SAE Washer outside & 1/4" SAE Washer with 1/4" Nylon Insert Lock Nut (**Box 8, Bag 29-18262**) on inside with a 7/16" socket/wrench.

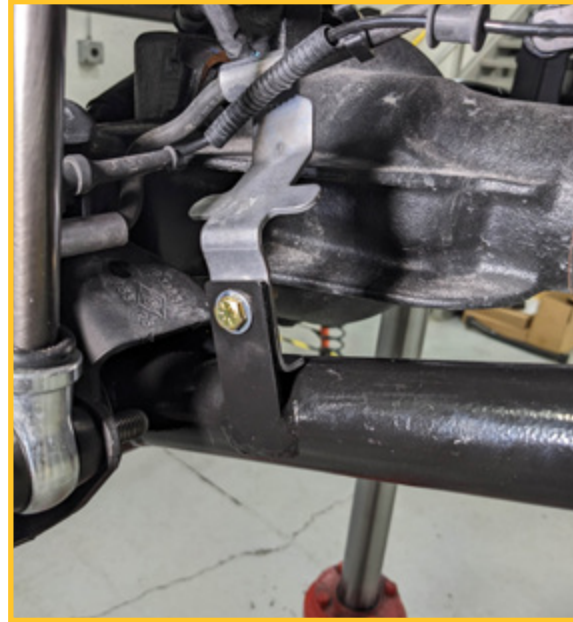


FIGURE 103

17. Install JRi front shock (**Box 9**) with OEM hardware at upper shock tower mount using a 18mm socket/wrench. Connect JRi shock at lower axle mount with OEM hardware using a 18mm socket/wrench. Secure, but **do not completely tighten** at this time. To set bushings properly for ride height, these will be tightened once vehicle is on ground with full vehicle weight on tires/wheels.

NOTE: JRi shocks are monotubes and designed to be mounted with cylinder body up for proper installation of pre-installed upper mount bushings.

18. Find front sway bar end links in **Box 8** (Figure 104). Install using lower OEM hardware using an 18mm socket/wrench. Install upper nut using a 6mm Allen wrench and 18mm socket/wrench (Figure 105).

NOTE: When installing front sway bars on 2024+ models, install sleeves onto sway bar threads. Sleeves can be found in **Box 8**.



FIGURE 104

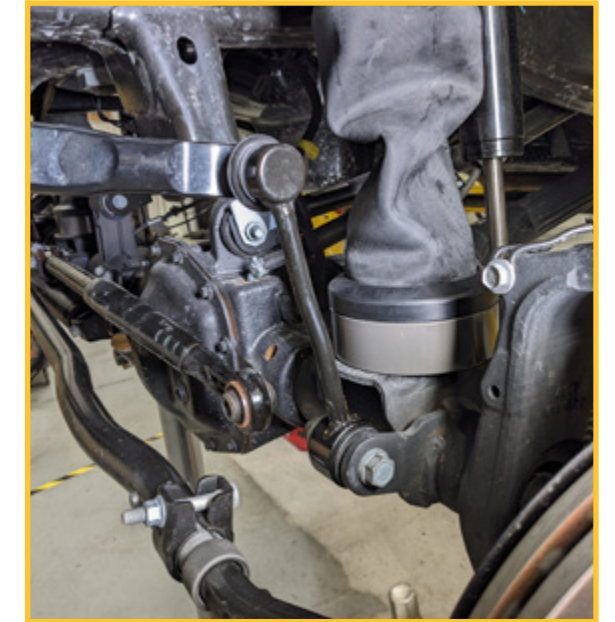


FIGURE 105



FRONT INSTALLATION

AIR SPRING PLUMBING

- Using the residual pressure union (**Box 7, Sub-Box 20-20545, Bag 20-20544**), connect the 1/4" air line from the air spring to the 1/4" air line from the VU4. (Figure 106)

NOTE:

On Left Side, install OEM lower bolt with large washer to outer bushing side of sway bar end link. Secure, but do not completely tighten at this time.

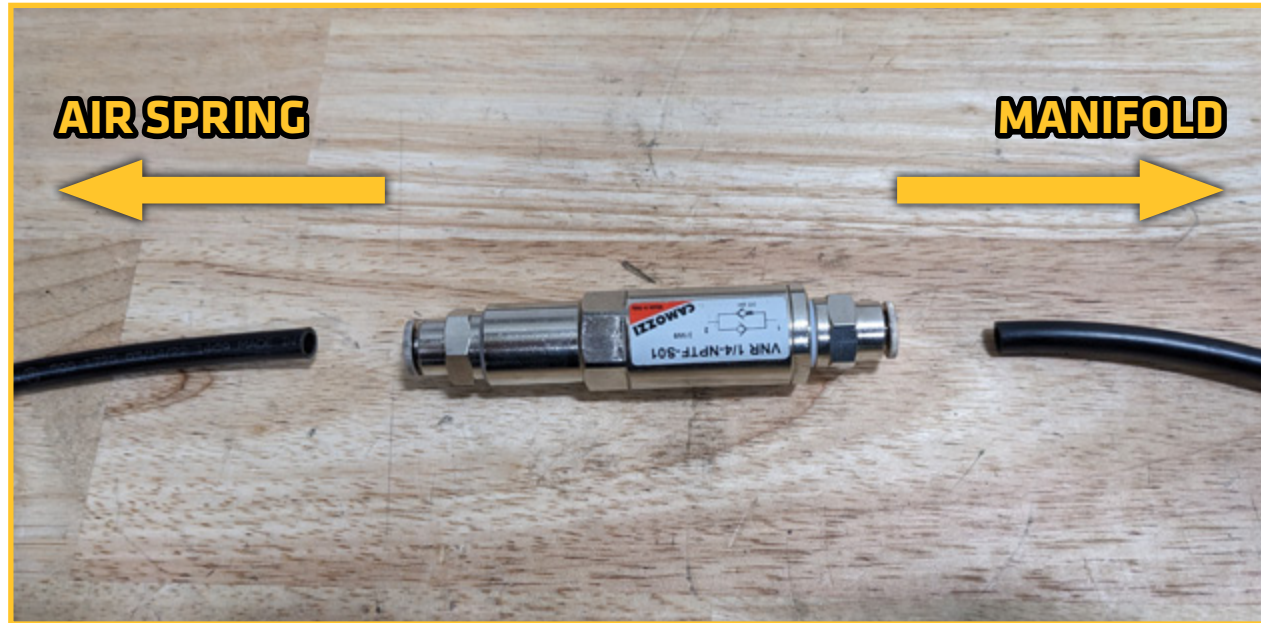


FIGURE 106

FRONT RIDE HEIGHT SENSOR INSTALLATION

- Install the front ride height sensor bracket assembly (**Box 7, Sub-Box 20-17452 & 20-17453**) on the vehicle. The bracket will slide under the heat shield and attach to the frame using the same bolt for the heat shield (Figure 107). The shield will be removed with a 10mm socket/wrench.



FIGURE 107

- The provided 5/16" - 18mm Nylon nut will be installed to the back of this heat shield bolt. Interlock the upper tab of the sensor bracket into the cutout on the upper control arm mount (**Box 7, Sub-Box 20-20545, Bag 20-17124**) (Figures 108, 109). Use a 7/16" socket/wrench to install.

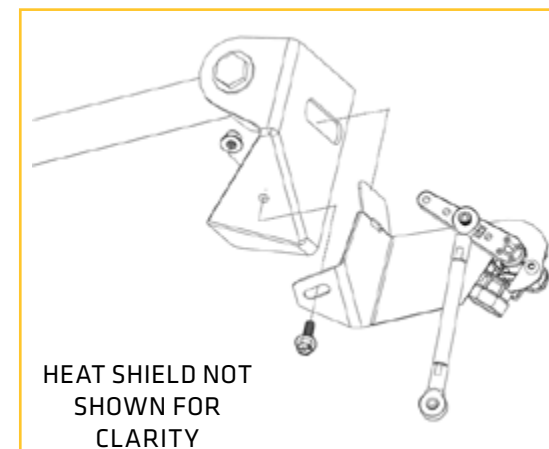


FIGURE 108 - RIGHT FRONT

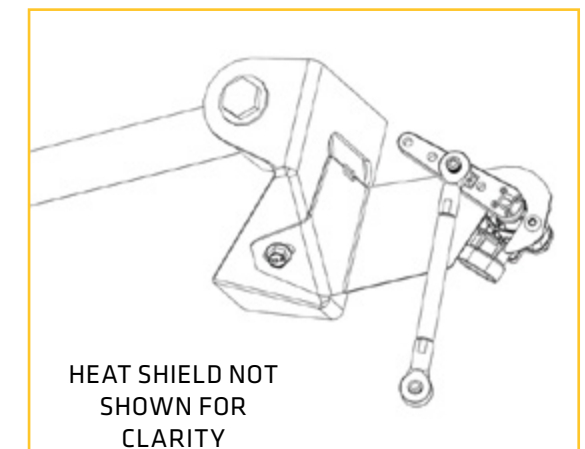


FIGURE 109 - RIGHT FRONT



FRONT INSTALLATION

22. Locate quantity 2 of: 10-32x1" screw, thick #10 washer, and 10-32 Nylon nut (**Box 7, Sub-Box 20-20545, Bag 20-17124**). Install on the lower height sensor rod ends to height sensor bracket on lower control arm with a 7/16" socket/wrench and 5/32" Allen wrench. (Figure 110)



FIGURE 110

23. When installed it should look as shown. (Mount link to lower control arm.) (Figures 111, 112)

NOTE: Mount washer between rod end and metal tab on control arm.



FIGURE 111

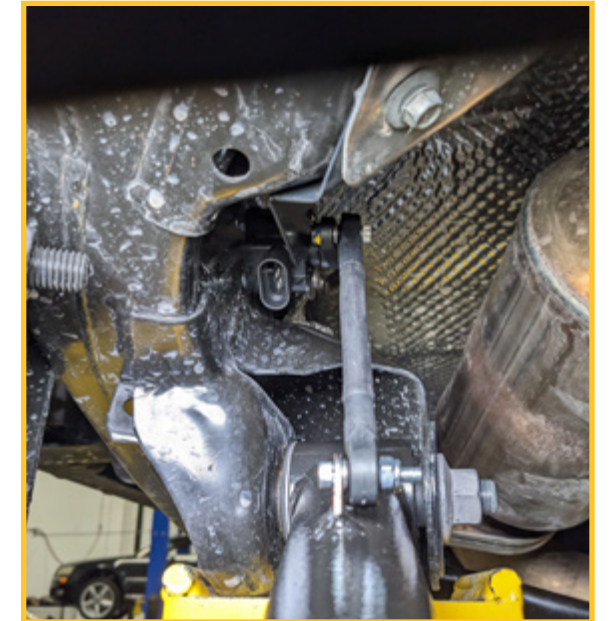


FIGURE 112



FRONT INSTALLATION

24. Make sure that tires/wheels are pointed straight ahead. Install fixed end of Front Adjustable Track Bar to frame with OEM hardware using a 21mm socket/wrench. (Figure 113)

NOTE: Do not tighten at this time.

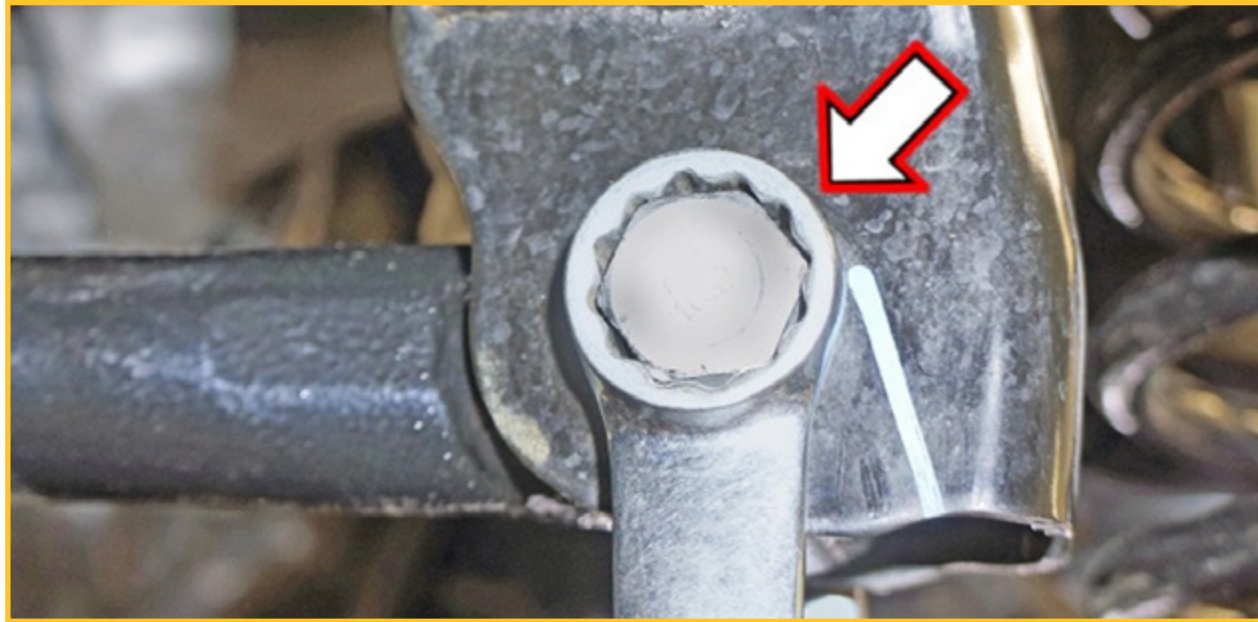


FIGURE 113

25. Install supplied Rod End Bushings onto rod end of track bar. Install rod end assembly into front axle mount with OEM hardware using a 21mm socket/wrench. (Figure 114)

NOTE: Do not tighten at this time.

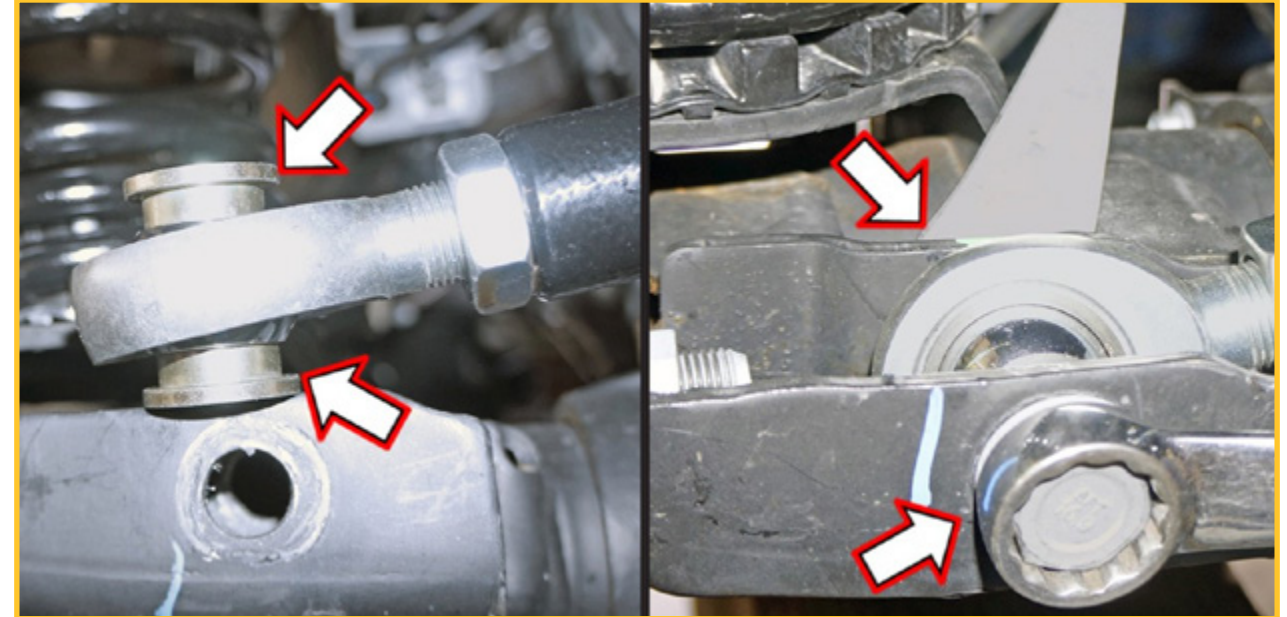


FIGURE 114


NOTE: It may be necessary to turn steering wheel to align track rod end with mount.

Initial Eye-to-Eye length should be 34". Final measurement will be adjusted by alignment center.

NOTE: If left side measurement is greater than right side, track bar needs to be lengthened. If right side measurement is greater than left side, track bar needs to be shortened.

Remove adjustable rod end of track bar, loosen jam nut using a 1-1/8" wrench & turn rod end to adjust in or out. Once body is properly aligned over front tires/wheels, tighten OEM hardware using a 21mm socket/wrench. Fully tighten all OEM hardware at upper frame mount & axle mount. Fully tighten jam nut of adjustable front track bar using a 1-1/8" wrench.



WARNING:
 **Never lower vehicle to the ground without air springs being fully inflated. Start vehicle and inflate with TouchPad Controller.**

26. Inflate front springs using TouchPad Controller. Ignition must be on. Inflate by tapping the double up arrow. (Figure 115)



FIGURE 115

**YOU MUST INFLATE
AIR SPRINGS
BEFORE LOWERING
TO THE GROUND**

Scan the QR code for more details.



27. Air springs should be firm when fully inflated. (Figures 116, 117)



FIGURE 116

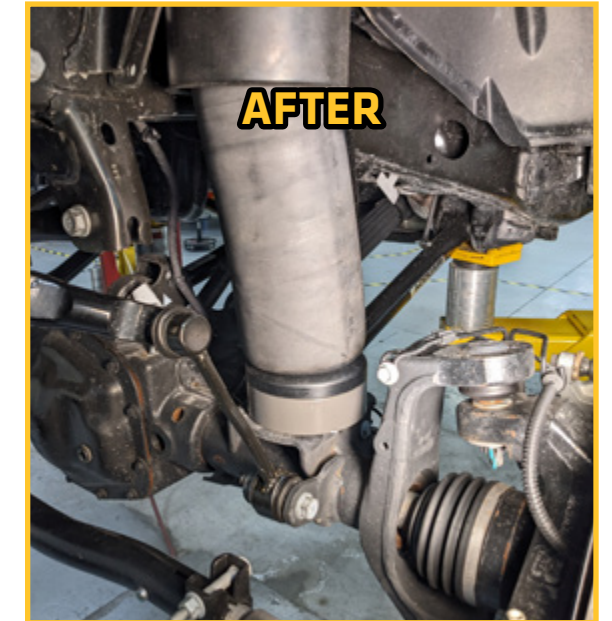


FIGURE 117

28. Install front tires/wheels using a 22mm socket. Lower vehicle to ground. Torque 130 ft-lbs.



NOTE: Save all factory components and hardware for reuse, unless noted.

1. Chock front tires/wheels. Raise rear of vehicle & support frame rails using jack stands at indicated lift points in OEM service manual.
2. Remove rear tires/wheels using a 22mm socket.
3. Remove OEM rear sway bar end link using a 6mm hex key socket/wrench & 18mm socket/wrench. (Figure 118)

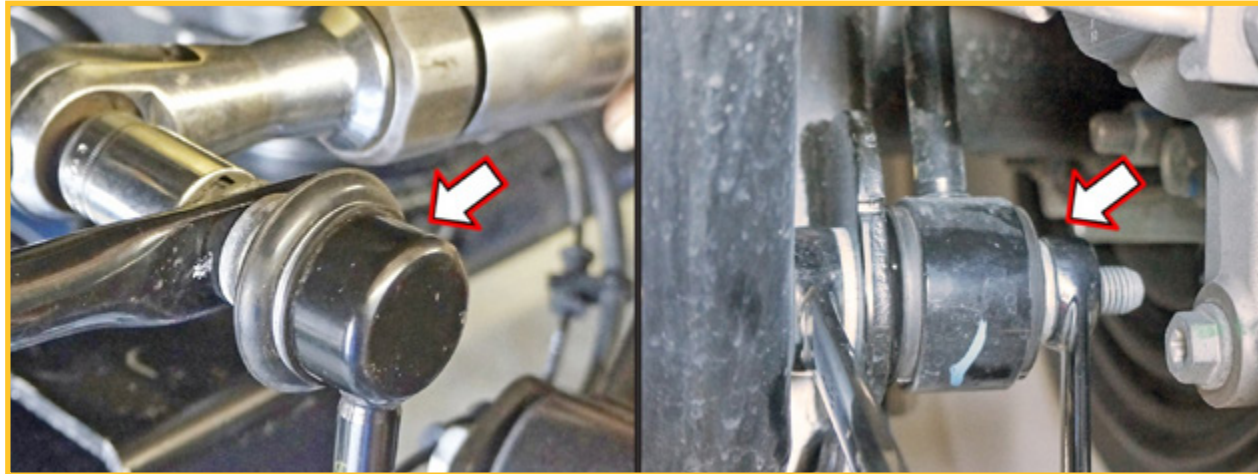


FIGURE 118

4. Disconnect OEM rear brake line brackets from rear axle at upper control arm mount using a 13mm socket/wrench. (Figure 119)



FIGURE 119

5. Disconnect OEM rear track bar from right side upper frame mount using a 21mm socket/wrench. (Figure 120)



FIGURE 120

6. In order to gain access to OEM rear upper shock mounting bolts, remove three (3) OEM bolts rear bumper inner fender liner using a 8mm socket/wrench. (Figure 121)

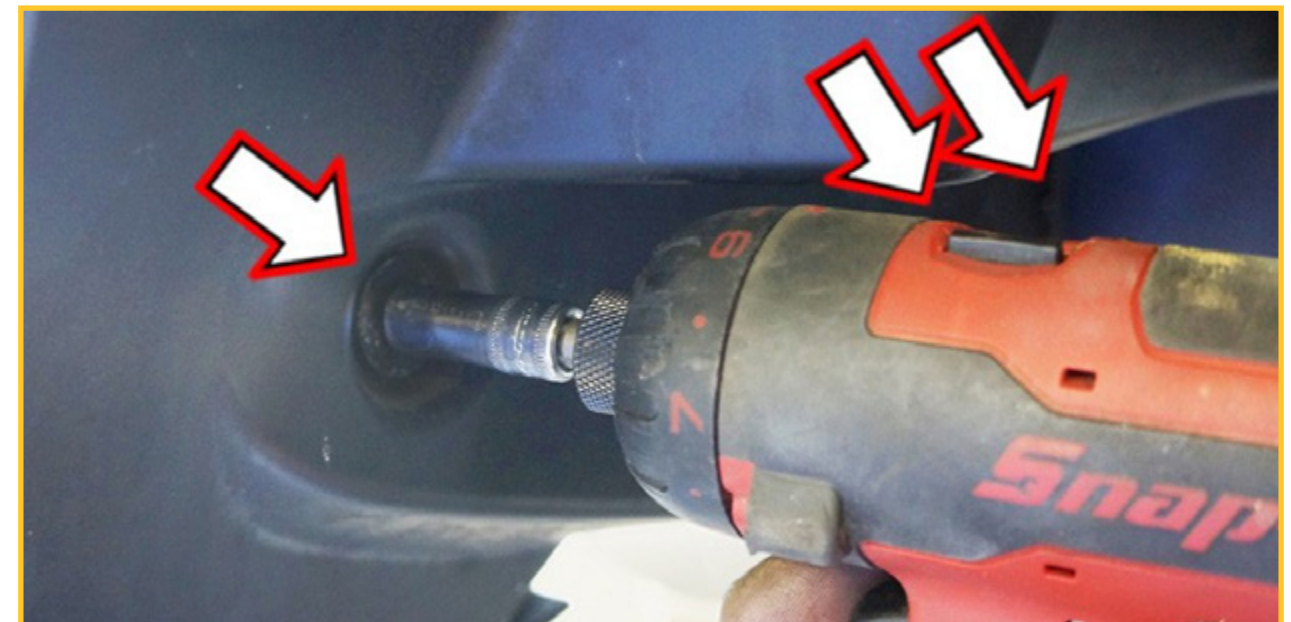


FIGURE 121



REAR INSTALLATION

Retain hardware. Remove OEM rear shocks using a 18mm socket/wrench. (Figure 122)

NOTE: OEM upper shock mount has nut attached to shock mount.



FIGURE 122

7. While checking for appropriate slack in ABS lines, brake lines, differential vent hose & etc, lower rear axle & remove OEM rear coil springs.
8. One at a time, remove the OEM rear lower control arms & install the new rear lower control arms (**Box 8**) using the OEM hardware, & a 21mm socket/wrench. Note: Install the new rear lower control arms with the offset bend toward the inside of the vehicle.

NOTE: Install the new rear lower control arms with the offset bend toward the inside of the vehicle.

9. Install the lower bump stops (**Box 7, Sub-box 20-15910**) on to the mounting bracket using the provided countersunk screws. The circular pad of the bump stop will face the front of the vehicle. The bump stops will connect to each tip of the bracket's countersunk holes. Tighten to 14 ft-lbs with 13mm socket/wrench and 3/16" Allen wrench. (Figures 123, 124, 125, 126, 127, 128)

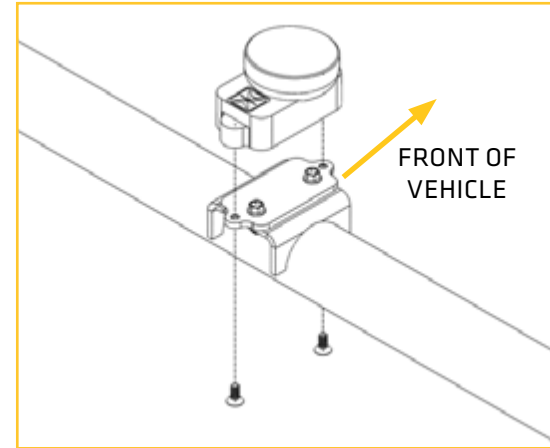


FIGURE 123 - LEFT SIDE

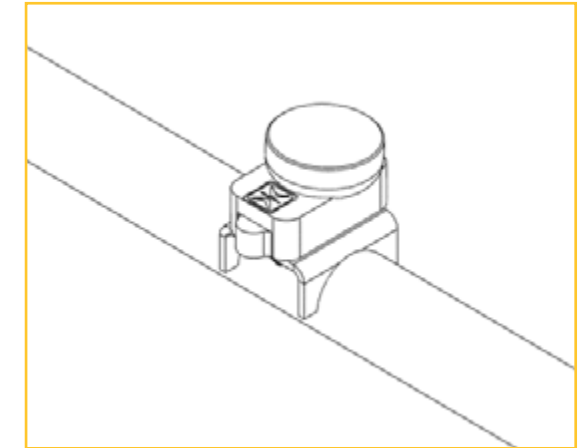


FIGURE 124 - LEFT SIDE

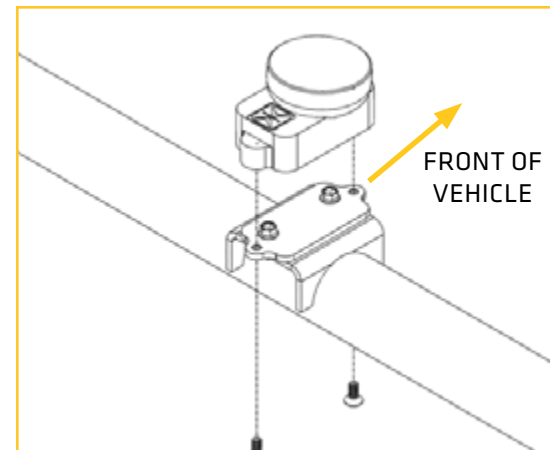


FIGURE 125 - RIGHT SIDE

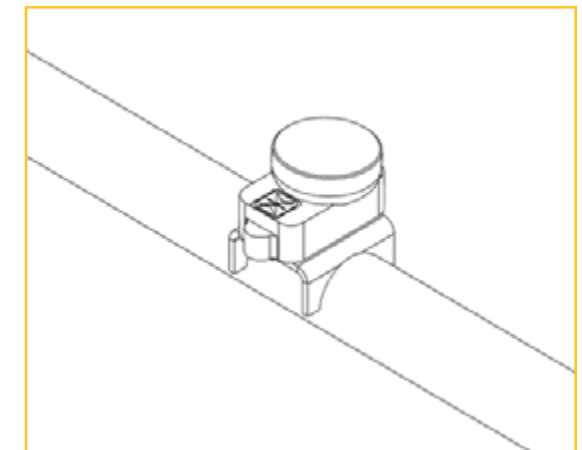


FIGURE 126 - RIGHT SIDE



FIGURE 127

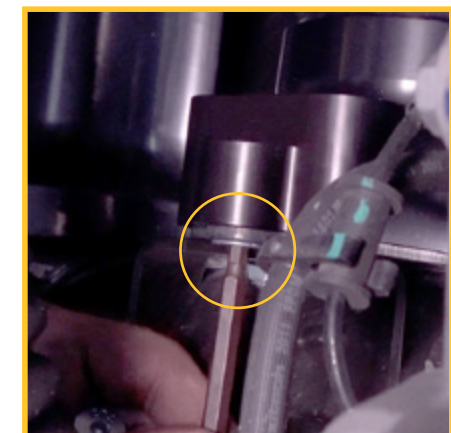


FIGURE 128



REAR INSTALLATION

10. Check fit Rear Track Bar Upper Bracket (**Box 8**) over OEM rear upper track bar mount on frame. The double hole side of track bar bracket towards outside of vehicle. (Figure 129)

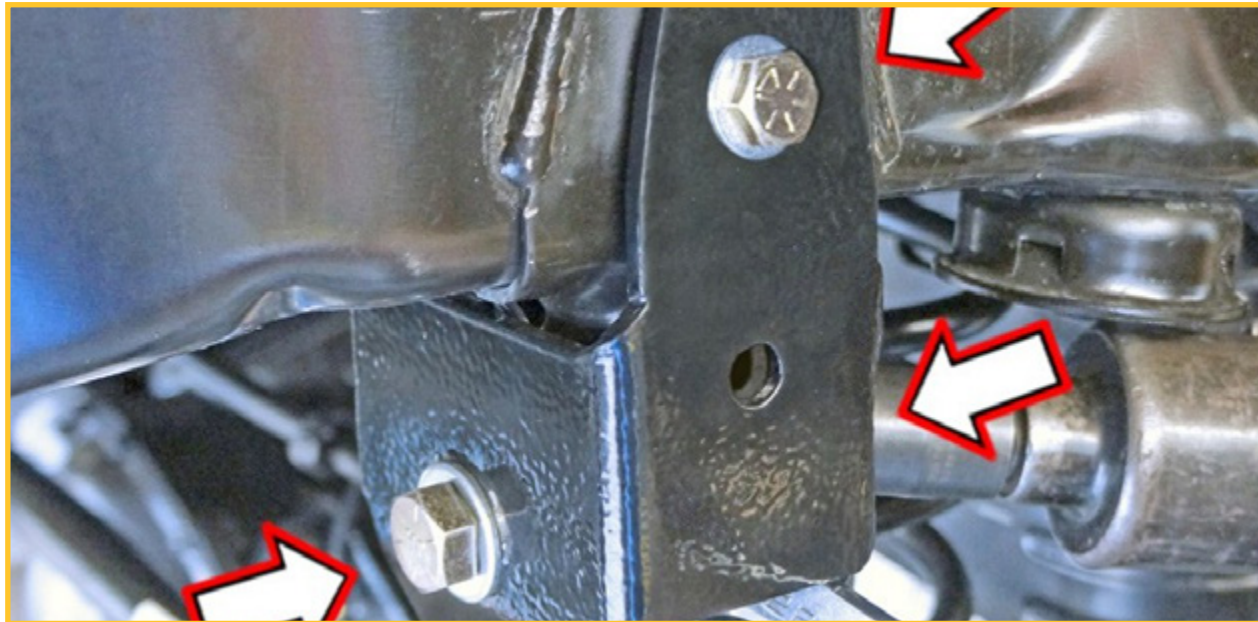


FIGURE 129

NOTE: It may be necessary to slightly grind the welds of OEM frame mount for new track bar bracket to be installed easily.

- File smooth any burrs or sharp edges on OEM mount then paint or undercoat all exposed metal. (Figure 130)

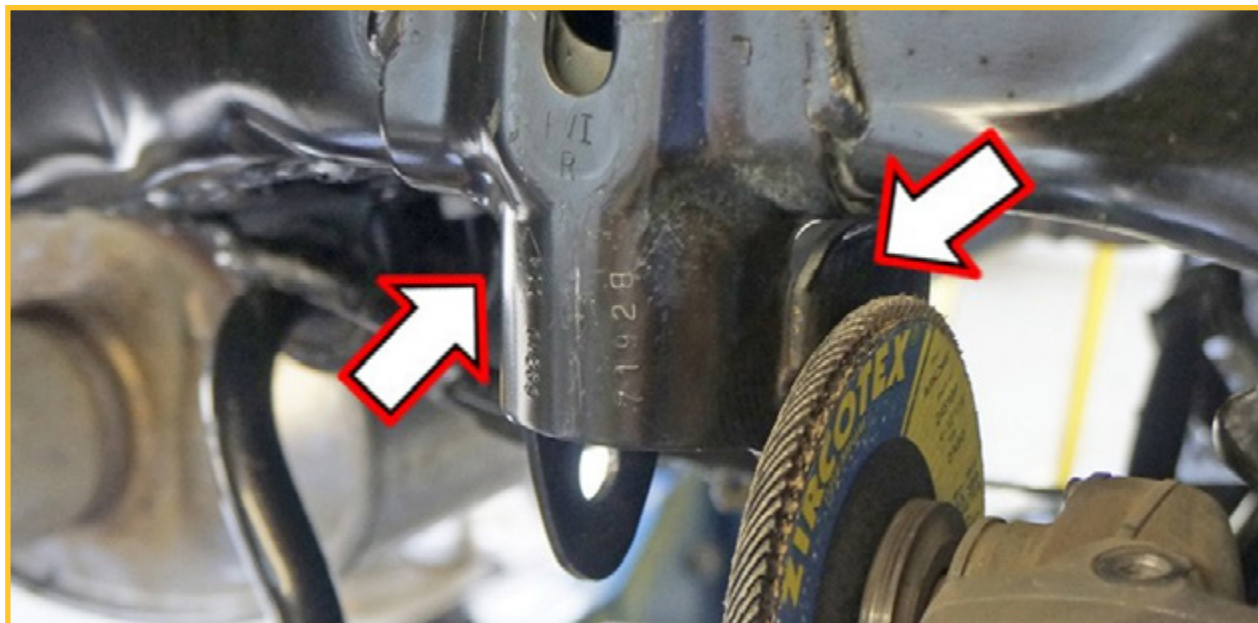


FIGURE 130

- Install Rear Track Bar Upper Bracket over OEM rear upper track bar bracket on frame. First, insert a supplied 1/2" x 5" Fine Thread Bolt with 1/2" SAE Washer through the bracket's upper outside frame mounting hole. Attach with 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut on inside using a 3/4" socket/wrench. Torque 90 ft-lbs. (Hardware found in **Box 8, Bag 29-18266**) Next, insert a supplied 9/16" x 1-1/4" Fine Thread Bolt with 9/16" SAE Washer through bracket/OEM track bar mounting holes. Attach with 9/16" SAE Washer & 9/16" Nylon Insert Lock Nut on inside using a 13/16" & 7/8" socket/wrench. Torque 130 ft-lbs.

11. Install the new rear air springs (**Box 7**). The threaded stud on the bottom of the spring will face the front of the vehicle and aligns with a hole in the axle mounted spring seat. The slot on the rear of the air spring will face the rear of the vehicle. (Figures 131, 132)

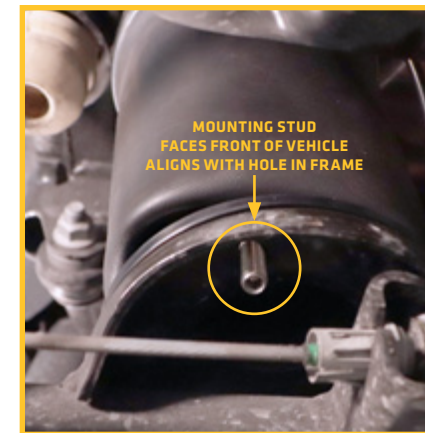


FIGURE 131

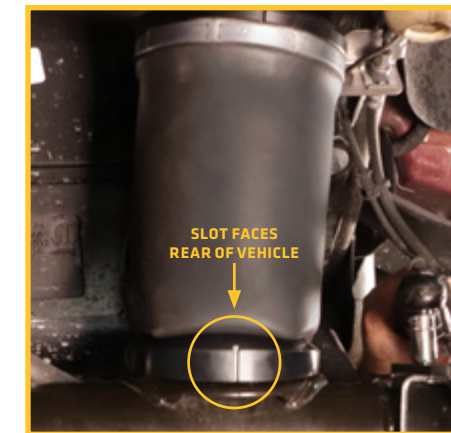


FIGURE 132

12. Install the provided nut (**Box 7, Sub-Box 20-20545, Bag 20-20544**) on to the bottom stud of the air spring. Tighten to 17 ft-lbs with a 1/2" socket/wrench.
13. Slowly pull the air springs up and route the air lines through the holes in the frame's top mounts. (Figures 133, 134)

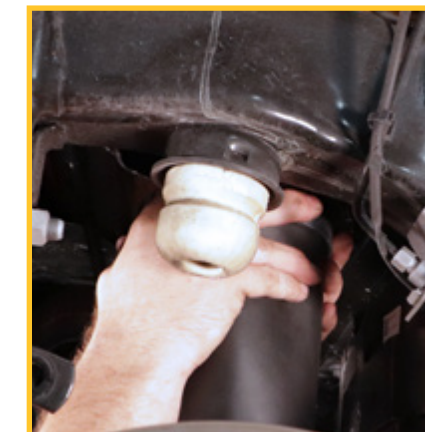


FIGURE 133



FIGURE 134



REAR INSTALLATION

14. Install the air spring retaining clips (**Box 7, Sub-Box 20-20545, Bag 20-20544**) through the top mount once the slot in the top mount has cleared the top of the frame. (Figures 135, 136)

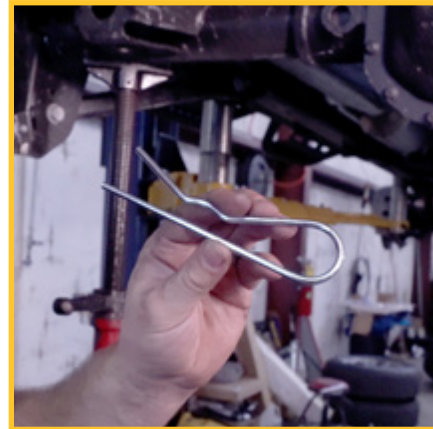


FIGURE 135



FIGURE 136

15. Install JRI rear shock with OEM hardware using a 18mm socket/wrench. Secure, but **do not completely tighten** at this time.
Attach OEM rear bumper inner fender liner with OEM bolts using a 8mm socket/wrench. (Figure 137)



FIGURE 137

16. Connect OEM rear track bar to the Rear Upper Track Bar Bracket using OEM hardware & a 21mm socket/wrench. (Figure 138)

NOTE: Install OEM bolt from front-to-rear of vehicle.

NOTE: It may be necessary to raise/lower axle to take pressure off track bar bolt.

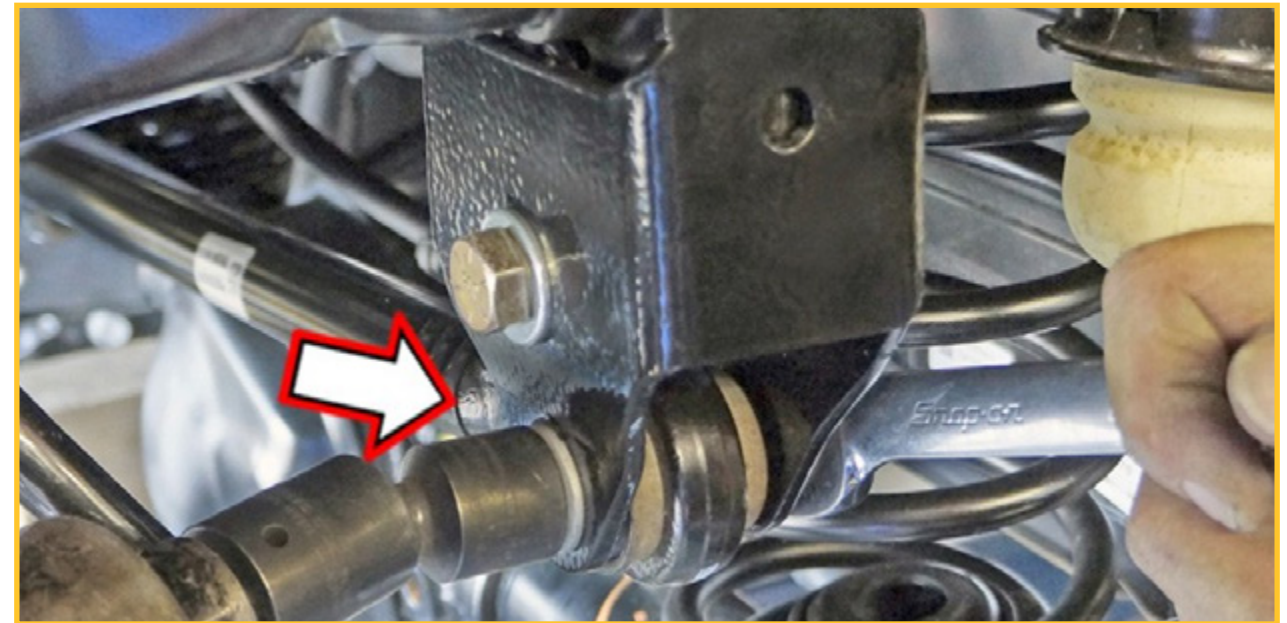


FIGURE 138



REAR INSTALLATION

17. Install the Rear Brake Line Brackets to frame with OEM hardware using a 10mm socket/wrench. (Figure 139)

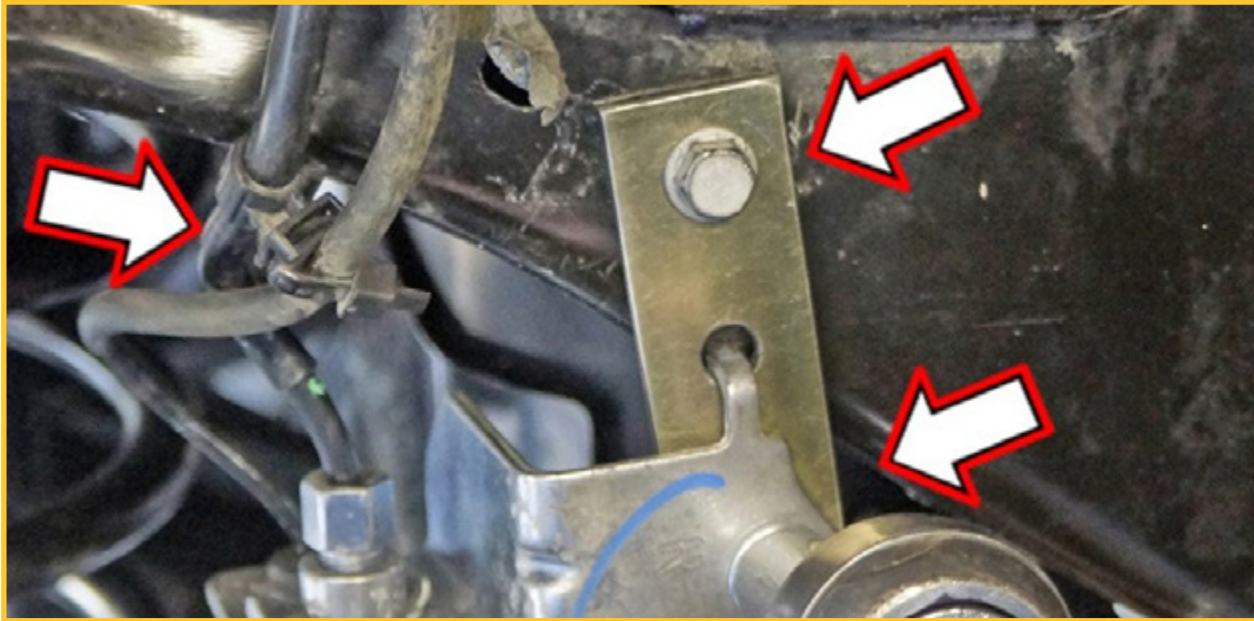


FIGURE 139

Rotate & connect OEM rear brake line bracket to bracket using supplied 1/4" x 1" Fine Thread Bolt with 1/4" SAE Washer outside & 1/4" SAE Washer with 1/4" Nylon Insert Lock Nut on inside with a 7/16" socket/wrench. Slightly bend/straighten OEM rear hard brake line. (Hardware found in **Box 8, Bag 29-18265**)

NOTE: Be very careful not to damage OEM rear hard brake lines.

18. Find rear sway bar end links in **Box 8** (Figure 138). Install using lower OEM hardware using an 18mm socket/wrench. Install included upper nut with a 6mm Allen wrench and 18mm socket/wrench (Figure 140).



FIGURE 140

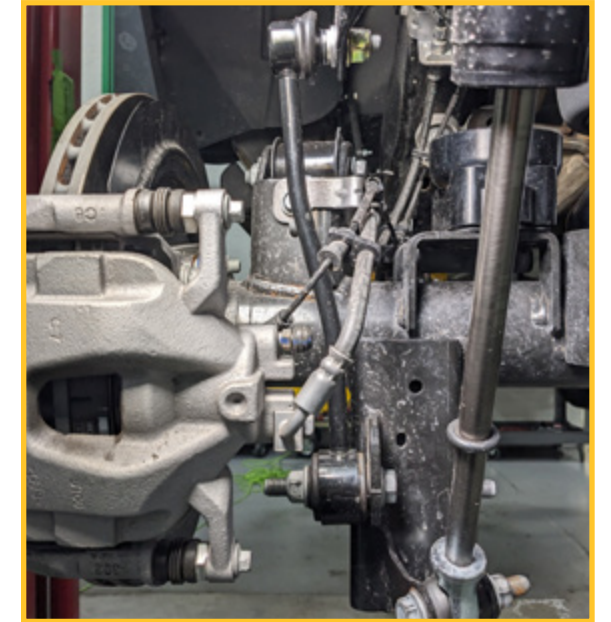


FIGURE 141

19. Connect 1/4" air line from VU4 manifold to 1/4" female PTC fitting on air spring. (Figure 142)

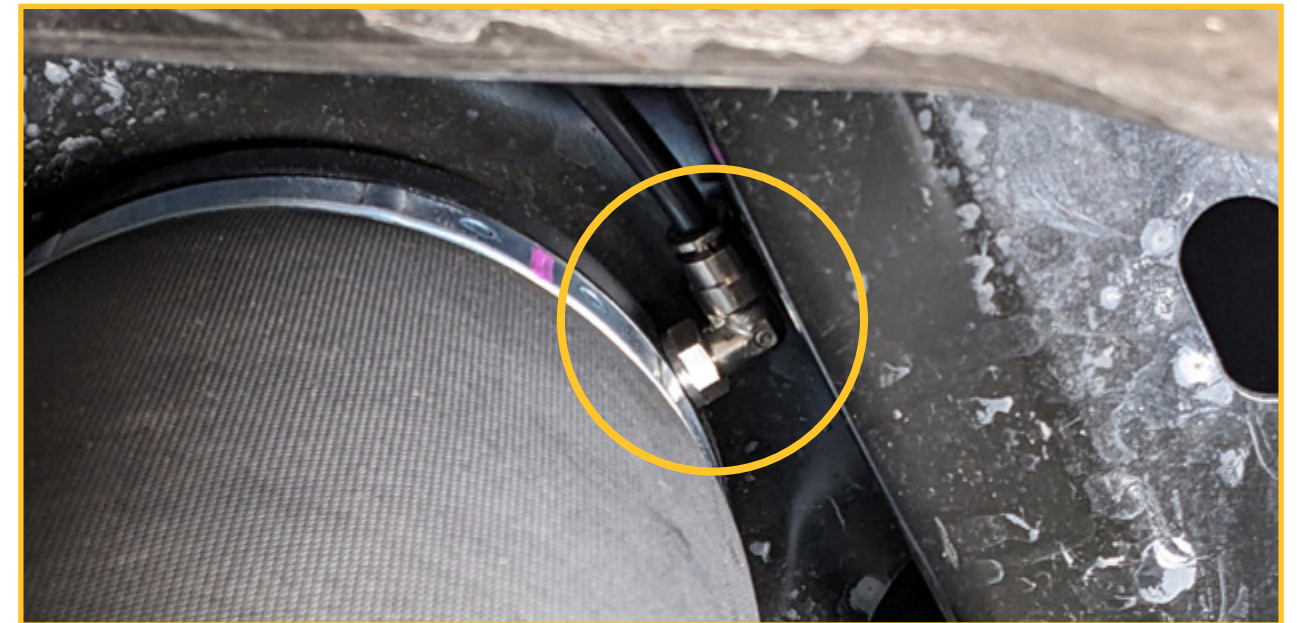


FIGURE 142



REAR INSTALLATION

20. Install rear ride height sensor bracket assembly (**Box 7, Sub-Box 20-17454 & 20-17455**) to the frame using the existing hole (Provided hardware found in **Box 7 (Sub-Box 20-20545, Bag 20-17124)**). (Figures 143, 144)

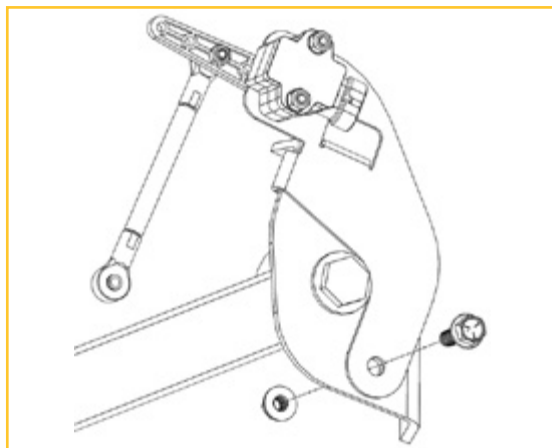


FIGURE 143 - RIGHT REAR

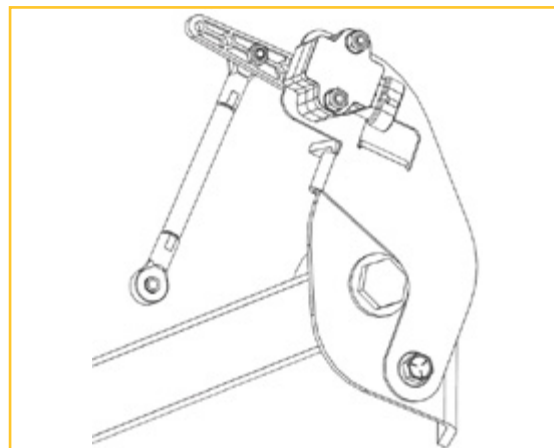


FIGURE 144 - RIGHT REAR

21. Installation should look as shown when completed. (Figure 145)

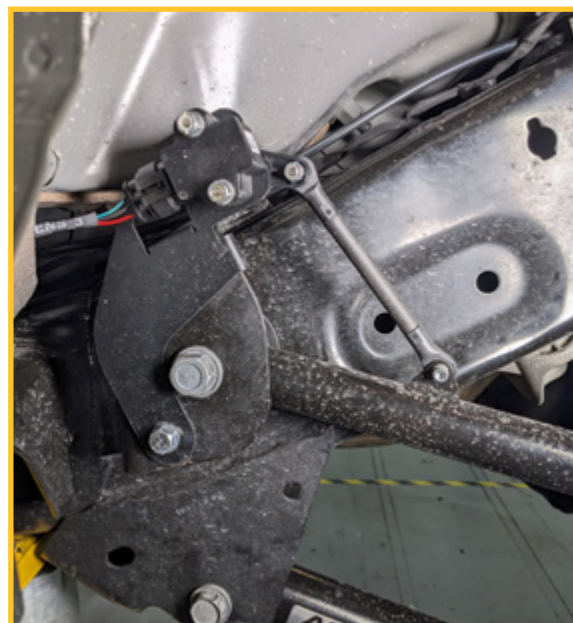


FIGURE 145

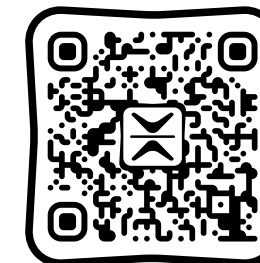
22. Inflate rear springs using TouchPad Controller. Ignition must be on. Inflate by tapping the double up arrow. (Figure 146)



FIGURE 146

**YOU MUST INFLATE
AIR SPRINGS
BEFORE LOWERING
TO THE GROUND**

Scan the QR code for more details.



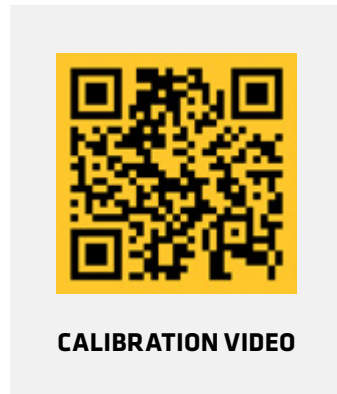
23. Install rear tires/wheels using a 22mm socket.
24. Lower vehicle to ground.

**AFTER INSTALLATION,
VEHICLE MUST BE PROFESSIONALLY ALIGNED BY ALIGNMENT CENTER.**

WARNING:



Never lower vehicle to the ground without air springs being fully inflated. Start vehicle and inflate with TouchPad Controller.



CALIBRATION MUST BE PERFORMED

Once system installation is complete, the system will need to be calibrated. Calibration is a process that will learn the vehicle range of travel and automatically set ride heights.

The vehicle needs to be on level ground with the wheels pointed straight ahead. Leave the vehicle running to power the compressor(s) during this procedure.

Before starting calibration, turn on the vehicle and let the compressors run to fill the tank. Once the compressor stops running (green "C" on TouchPad stops blinking) you may simultaneously hold the "dot" and "1" button for 5 seconds. You may let go when the vehicle starts to move up.

The vehicle will now open the valves to the air springs and run the compressor to fill all air springs. The system will continue doing this until the set pressure is achieved at which


point the maximum suspension travel will be defined.

Next, the vehicle will exhaust all air from the air springs to define the minimum travel.

Calibration is complete when the system prompts a position 2 two adjustment ("2" will be flashing on the TouchPad). This may take some time as the system has to fill the tank and air springs from near empty.

1. Start vehicle. Make sure there are no dash lights pertaining to suspension.
2. Bounce the vehicle a couple of times. This will help suspension settle to new ride height. Cycle steering lock-to-lock & check all components for proper operation & clearances. Pay special attention to clearance between tires/wheels, Shocks, control arms, brake hoses, ABS wiring, etc.
3. Front Tighten & Torque Sequence.
 Track bar at frame using a 21mm wrench. Torque 52 ft-lbs.
 Track bar at axle using a 21mm wrench. Torque 52 ft-lbs.
 Front shock absorber upper mount using a 18mm wrench. Torque 81 ft-lbs. Front shock absorber lower mount using a 18mm wrench. Torque 74 ft-lbs.
 Sway bar end link upper bolt using a 19mm socket/wrench. Torque 59 ft-lbs.
 Sway bar end link lower bolt using a 18mm socket/wrench. Torque 59 ft-lbs.
4. Rear Tighten & Torque Sequence.
 Track bar bracket bolts. 1/2" Bolts Torque 90 ft-lbs. 9/16" Bolt Torque 130 ft-lbs.
 Track bar at the bracket. Torque 130 ft-lbs.
 Rear shock absorber upper mount using a 18mm socket/wrench. Torque 81 ft-lbs. Rear shock absorber lower mount using a 18mm socket/wrench. Torque 74 ft-lbs.
 ADX Reservoir clamp. Double check position & clearance. Tighten with 5/32" Hex Key socket.
 Sway bar end link mount using a 18mm socket/wrench. Torque 59 ft-lbs.

Before driving, it is necessary that the steering wheel and wheels are straight at position two. Adjust drag length accordingly. VEHICLE MUST BE PROFESSIONALLY ALIGNED.



WARNING:
 The system will automatically **raise/lower** the vehicle in the next procedure. Remove all obstructions and keep clear of vehicle before proceeding.

CHECK FOR SYSTEM LEAKS

Place all 4 wheels on the ground and inflate air springs with the TouchPad. Check for system leaks using soapy water on all pneumatic connections to the air springs and the regulator.

FINAL NOTES

After installation is complete, double check that all nuts & bolts are tight. Refer to the following chart for proper torque specifications.

NOTE: Do not re-tighten nuts & bolts where thread lock compound was used.

With vehicle placed on ground, cycle steering lock to lock & inspect steering, suspension, brake lines, front & rear drive lines, fuel lines & wiring harnesses for proper operation, tightness & adequate clearance.

Have headlights readjusted to proper settings.

Have a qualified alignment center align vehicle to OEM specifications.

After first 100 miles, check all hardware for proper torque & periodically thereafter.

TORQUE SPECIFICATIONS					
INCH SYSTEM			METRIC SYSTEM		
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 8.8	Class 10.9
5/16	180 in-lbs	240 in-lbs	6MM	60 in-lbs	108 in-lbs
3/8	30 ft-lbs	35 ft-lbs	8MM	216 in-lbs	23 ft-lbs
7/16	45 ft-lbs	60 ft-lbs	10MM	32 ft-lbs	45 ft-lbs
1/2	65 ft-lbs	90 ft-lbs	12MM	55 ft-lbs	75 ft-lbs
9/16	95 ft-lbs	130 ft-lbs	14MM	85 ft-lbs	120 ft-lbs
5/8	135 ft-lbs	175 ft-lbs	16MM	130 ft-lbs	165 ft-lbs
3/4	185 ft-lbs	280 ft-lbs	18MM	170 ft-lbs	240 ft-lbs

THE ABOVE SPECIFICATIONS ARE NOT TO BE USED WHEN THE BOLT IS BEING INSTALLED WITH A BUSHING.

COLDER CLIMATE TIPS

In the winter months, to keep your air system from freezing, we recommend adding CRC air brake antifreeze. This can be purchased at most automotive parts houses. We recommend that you add two caps (about 1 ounce) to the system through the compressor intake. To do this, you should adjust the suspension to deplete the air in the tank so the compressor will be running while you do this process. You want to slowly add the antifreeze to the system so it has time to vaporize and coat everything. You will need to do this periodically depending on how much use the vehicle has. Generally, once every two weeks will but can vary.





PARTS APPENDIX

BOX 1		JEEP JL WIRING & PLUMBING KIT		BOX 1	
QTY	ITEM #	DESCRIPTION			
1	29-16265	POWER HARNESS RED 8AWG			
1	29-17530	8" ZIP TIES, 50 PACK			
1	29-18212	JEEP KIT E-PLUS MAIN HARNESS			
1	29-18239	JL ECU TO VU4 HARNESS			
1	20-18283	JEEP POWER WIRING KIT			
		QTY	ITEM #	DESCRIPTION	
		1	20514	22-18 Red T-tap 3 Way Splice	
		1	29-10974	Connector-Male Spade-Pink	
		1	29-16735	Pink Ring Terminal - 22-18 AWG #10 Sized Hole	
		1	29-16736	Large Copper Lug - Copper Lug 8 AWG w/ 5/16" hole	
		1	29-16737	Small Copper Lug (Flat Sides)	
		1	29-16738	Purple Shrink Female Spade - 22-18 AWG 1/4"	
		1	29-16739	70 amp Maxi Fuse	
		1	29-16743	Compressor relay wiring diagram	
		1	29-16876	Add-A-Circuit Fuse Tap 16 GA	
		2	29-17564	3/8 Heat Shrink	
		1	29-18282	Relay GRD Harness, 24"	
		1	29-18354	Rubber Grommet	
276"	29-18861	1/4 INCH DOT AIR LINE BLK			
450"	29-16878	3/8" DOT Airline			

BOX 1		JEEP JL WIRING & PLUMBING KIT		BOX 1	
QTY	ITEM #	DESCRIPTION			
1	29-18275	COMPRESSOR POWER EXTENSION (6 FT)			
1	29-19936	JL COMPRESSOR POWER HARNESS			
1	29-16548	PLASTIC AIRLINE CUTTER			
1	29-16095	HEIGHT 4-CORNER SENSOR HARNESS			
1	20-20537	HARDWARE KIT			
		QTY	ITEM #	DESCRIPTION	
		1	29-18363	M6 x 1.25mm Long Female Threaded Hex Standoff	
		1	29-7243	M6 x 1 x 8mm Long Button Head Cap Screw	

BOX 2		JEEP JL WIRING & PLUMBING KIT		BOX 2	
QTY	ITEM #	DESCRIPTION			
1	20-16084	TPAD HANDHELD CONTROLLER			
1	29-16254	TPAD+ MOUNTING TEMP			
1	29-16279-01	TPAD HARNESS CABLE 20'			

BOX 3		JEEP JL WIRING & PLUMBING KIT		BOX 3	
QTY	ITEM #	DESCRIPTION			
1	29-17998	ECU BRACKET, JL JEEP			
1	29-16727	75A RELAY - SPST, 12V, 75A			
4	29-15750	HEX NUT, NYLOCK, M5X0.8			
4	29-17353	10-24 X 7/8" BUTTON HEAD SCREW			
1	29-18104	PRESSURE REGULATOR WITH FITTING			



PARTS APPENDIX

BOX 3			JEEP JL WIRING & PLUMBING KIT	BOX 3
QTY	ITEM #	DESCRIPTION		
4	29-18169	M5 X 0.8 X 12 BUTTON HEAD SCREW		
1	29-18347	1/4" NPTM - 1/4" PTC STRAIGHT		
1	20-18344	JL ECU & CORE ASSEMBLY		
1	29-18103	QUICK CONNECT COUPLER 1/4" NPT (M)		

BOX 4			JEEP JL WIRING & PLUMBING KIT	BOX 4
QTY	ITEM #	DESCRIPTION		
1	20-18793	JEEP JL HYBRID/392/DIESEL COMPRESSOR/VU4 BRACKET ASSEMBLY		
1	20-18797	JEEP JL 3 GALLON ENDO T ROLL MOUNT RIGHT SIDE		
1	20-20085	JEEP JL 4xe/eTorque/392/DIESEL INFLATION HARDWARE BAG		
QTY	ITEM #	DESCRIPTION		
1	20-20548	Screened 1/4" Tee Assembly		
4	29-17354	5/16" - 18 Nylon Locknut		
4	29-17356	5/16" - 18 x 3/4" SHCS		
2	29-18698	M8 x 1.2 18mm LG, SS, BHCS		
1	29-20503	M12 x 1.5 x 45 Hex Head Screw		
1	29-20504	M12 Washer		
1	29-20515	3/8" PTC Y Splitter		
1	29-6060	M6 x 1 Nut		
1	29-17218	TANK BRACKET		

BOX 5			JEEP JL WIRING & PLUMBING KIT	BOX 5
QTY	ITEM #	DESCRIPTION		
1	20-19898	GPS SPEED CONTROLLER		

BOX 6			JEEP JL WIRING & PLUMBING KIT	BOX 6
QTY	ITEM #	DESCRIPTION		
900"	29-18861	1/4 INCH DOT AIR LINE		

BOX 7			JEEP JL WIRING & PLUMBING KIT	BOX 7
QTY	ITEM #	DESCRIPTION		
2	20-15758	JEEP JL/JT AIR SPRING, FRONT		
2	20-15763	JEEP JL AIR SPRING, REAR		
1	20-15910	JEEP REAR BUMP STOP SPACER ASSEMBLY		
QTY	ITEM #	DESCRIPTION		
2	29-16873	Bolt 5/16-18 x 1"		
2	29-16884	Rear Bump Stop Plate		
2	29-16911	Bottom Spacer		
2	29-16912	Top Mount		
1	21-17165	JEEP BUMP STOP HARDWARE KIT		
QTY	ITEM #	DESCRIPTION		
4	29-16873	Bolt 5/16-18 x 1"		
4	29-16874	5/16-18 Nylon Nut		
4	29-16883	Flat Head Bolt 5/16-18 x 3/4"		



BOX 7		JEEP JL WIRING & PLUMBING KIT		BOX 7
QTY	ITEM #	DESCRIPTION		
1	20-20545	HARDWARE BOX: A. Jeep Air Spring Hardware Kit B. Jeep JL/JK Ride Height Sensor Hardware		
1	20-20544	A. JEEP AIR SPRING HARDWARE KIT		
		QTY	ITEM #	DESCRIPTION
		2	20-18827	¼ TO ¼ Residual Pressure Valve PTC Union
		2	29-15748	Air Hose Grommet
		2	29-16558	Hairpin Clip
		6	29-16874	5/16 - 18 Nylon Nut
1	21-17124	B. JEEP JL/JK RIDE HEIGHT SENSOR HARDWARE		
		QTY	ITEM #	DESCRIPTION
		4	29-16870	Bolt 10-32 x 1"
		2	29-16873	Bolt 5/16-18 x 1"
		2	29-16874	5/16-18 Nylon Nut
		4	29-17495	#10 Flat Washer
		4	29-2702	10-32 Hex Nylon Locknut
		2	29-6060	M6 x 1 Nut
1	20-17452	JEEP JL/JT RIDE HEIGHT SENSOR ASSY FRONT LEFT		
1	20-17453	JEEP JL/JT RIDE HEIGHT SENSOR ASSY FRONT RIGHT		
1	20-17454	JEEP JL RIDE HEIGHT SENSOR ASSY REAR LEFT		
1	20-17455	JEEP JL RIDE HEIGHT SENSOR ASSY REAR RIGHT		
1	29-19245	ACCUAIR 23" WIDE WHITE BANNER		

BOX 8		JEEP JL WIRING & PLUMBING KIT		BOX 8
QTY	ITEM #	DESCRIPTION		
2	29-15854	SWAY BAR END LINK, REAR		
2	29-15855	SWAY BAR END LINK, FRONT		
2	29-17368	M12 x 1.75 FLANGED NYLON NUT		
2	29-18226	M12 X 1.5 FLANGED NYLON NUT		
1	29-18254	ARN999 JL LWR FRONT DRV LINK		
1	29-18255	APN999 JL LWR FRONT PASS LINK		
2	29-18256	JL LOWER REAR LINK 2-4"		
1	29-18257	JL FRT ADJUSTABLE TRACK BAR		
1	29-18258	JL UPPER REAR TRACK BAR BRACKET		
2	29-18259	ARN999 JL/JK REAR UPPER LINK		
1	29-18262	HDWR BAG: JL24LLF		
1	29-18265	HDWR BAG: JLFTBB X 2		
1	29-18266	HDWR BAG: JLRTBU TRK BAR BRACKET		

BOX 9		JEEP JL WIRING & PLUMBING KIT		BOX 9
QTY	ITEM #	DESCRIPTION		
1	29-19809	JRI SHOCK KIT JL		

BOX 10		JEEP JL WIRING & PLUMBING KIT		BOX 10
QTY	ITEM #	DESCRIPTION		
1	29-18105	BLOW GUN		
1	29-18125	CLIP ON SCHRADER CONNECTION		



BOX 10		JEEP JL WIRING & PLUMBING KIT		BOX 10	
QTY	ITEM #	DESCRIPTION			
1	29-18126	30FT BRAIDED HOSE			
1	29-18131	1/4" NPT QUICK CONNECT STUD (M)			

ACCUAIR

SUSPENSION



TROUBLESHOOTING & TECHNICAL SUPPORT

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