

ACCUAIR
SUSPENSION



AA-4415

2007-2018

JEEP WRANGLER (JK)

**2-4" LIFTED REAR AIR SUSPENSION SYSTEM
INSTALLATION GUIDE**





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CONGRATULATIONS!

Your AccuAir® Jeep JK Air Suspension system reflects a unique solution to balancing enhanced off road terrain and obstacle clearance with everyday drivability and ride quality. The AccuAir® JK system features remote mounted seamless 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 4.0" of lift (approx.), helping to preserve familiar ride comfort. Enjoy your AccuAir® JK 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.

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.



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 may be different than an unmodified Jeep.

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

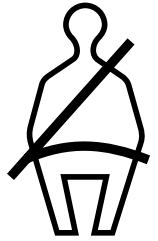
- Inspect components including bags, lines, valves & compressor before use, followed by system self-test. Maintain & repair as indicated. On road height limited to approx. 4.0" by system speed & ride height sensors. **REPLACE & DO NOT USE ON ROAD IF SPEED SENSOR DAMAGED/INOPERATIVE.**
- **DO NOT** modify 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 tipping 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:

Wheel setup with a minimum of 4.5" of back spacing is required with a maximum 9" wide wheel.



WARNING:

This advanced AccuAir® JK kit requires professional installation, with access to vehicle lift and experience with Jeep JK 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:

Included limit straps must be used for rear suspension to avoid premature air spring failure.



CAUTION:

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



NOTICE:

Never lower vehicle from rack or following inspection/repair without air bags being fully inflated.



WARNING

**CANCER AND REPRODUCTIVE HARM
WWW.P65WARNING.CA.GOV**

- If larger tires (10% more than the OEM diameter) are installed, speedometer recalibration will be necessary. Contact your local Jeep dealer.

If you have any questions or reservations about installing this product, contact AccuAir Customer Service.



ACCUAIR® SUSPENSION LIMITED WARRANTY

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 JK 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.*



INCLUDED PARTS

DESCRIPTION	PART #
TPAD ASSEMBLY	20-18842
JEEP INFLATION ACCESSORY KIT	20-19830
JK REAR ONLY AIR SPRING/HEIGHT SENSOR KIT	20-21232
JK REAR ONLY INFLATION ASSEMBLY	20-21234
JK REAR ONLY WIRING AND PLUMBING KIT	20-21236
JK REAR ONLY ECU BRACKET ASSEMBLY	20-21237
JK REAR ONLY KIT PAPERWORK	20-21240

**FOR A FULL BREAKDOWN OF PARTS INCLUDED IN EACH BOX,
PLEASE REFER TO THE PARTS APPENDIX ON PAGE 61.**



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

Jack Stands

Ball Peen Hammer

Floor Jack

Safety Glasses

Pliers

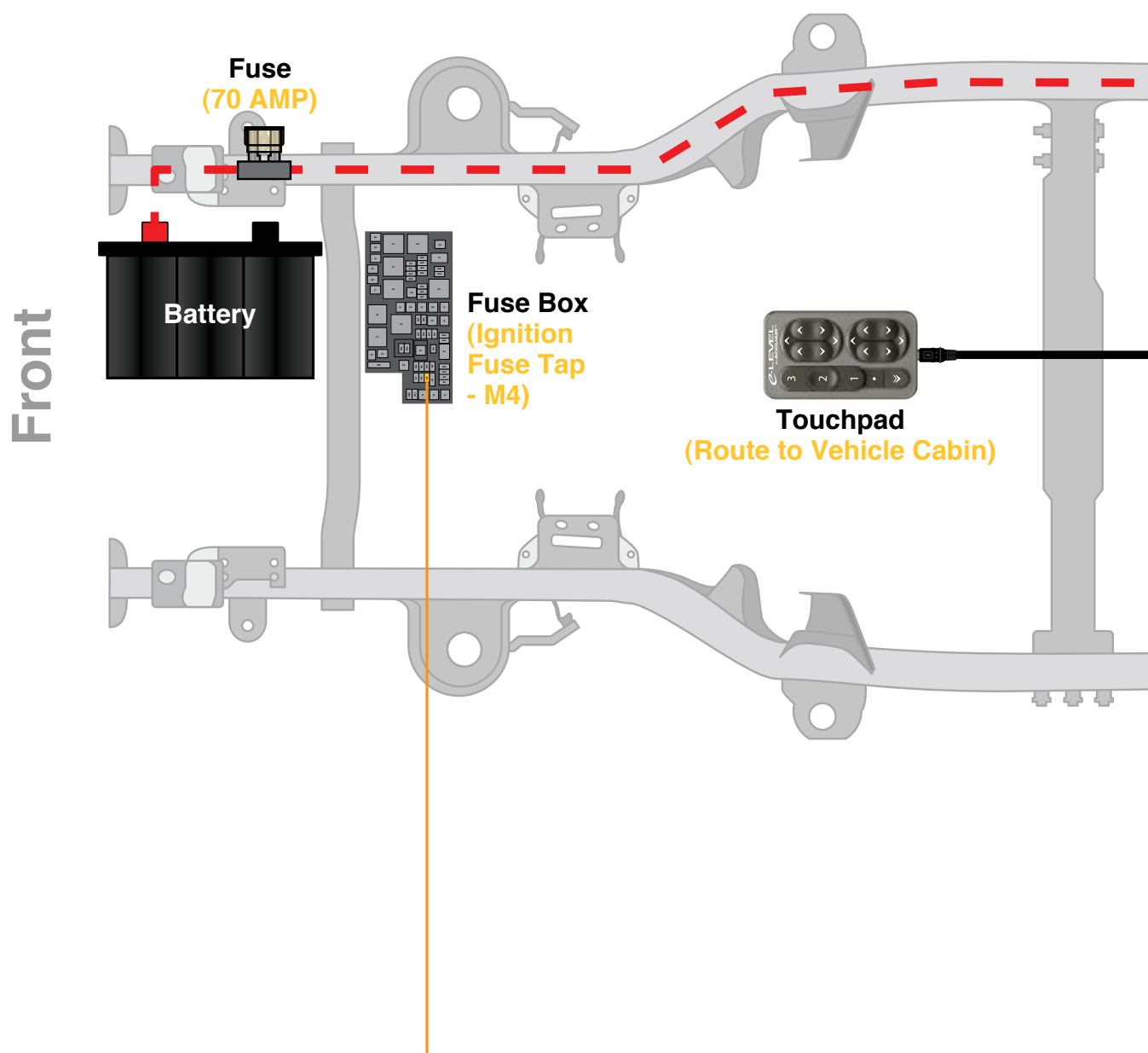
Wheel Chock

Torque Wrench

Blue Loctite



WIRE ROUTING

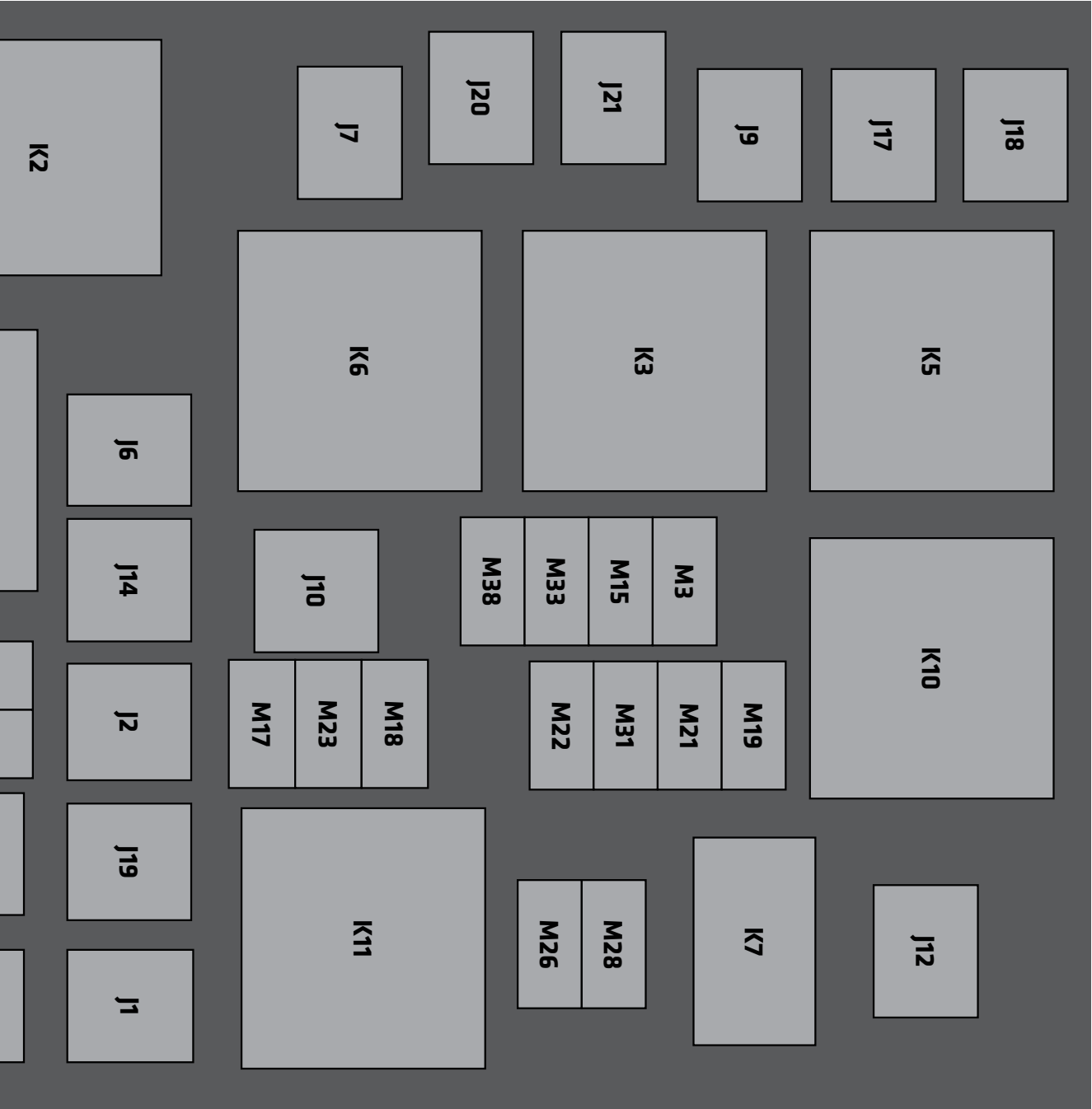




FUSE BOX

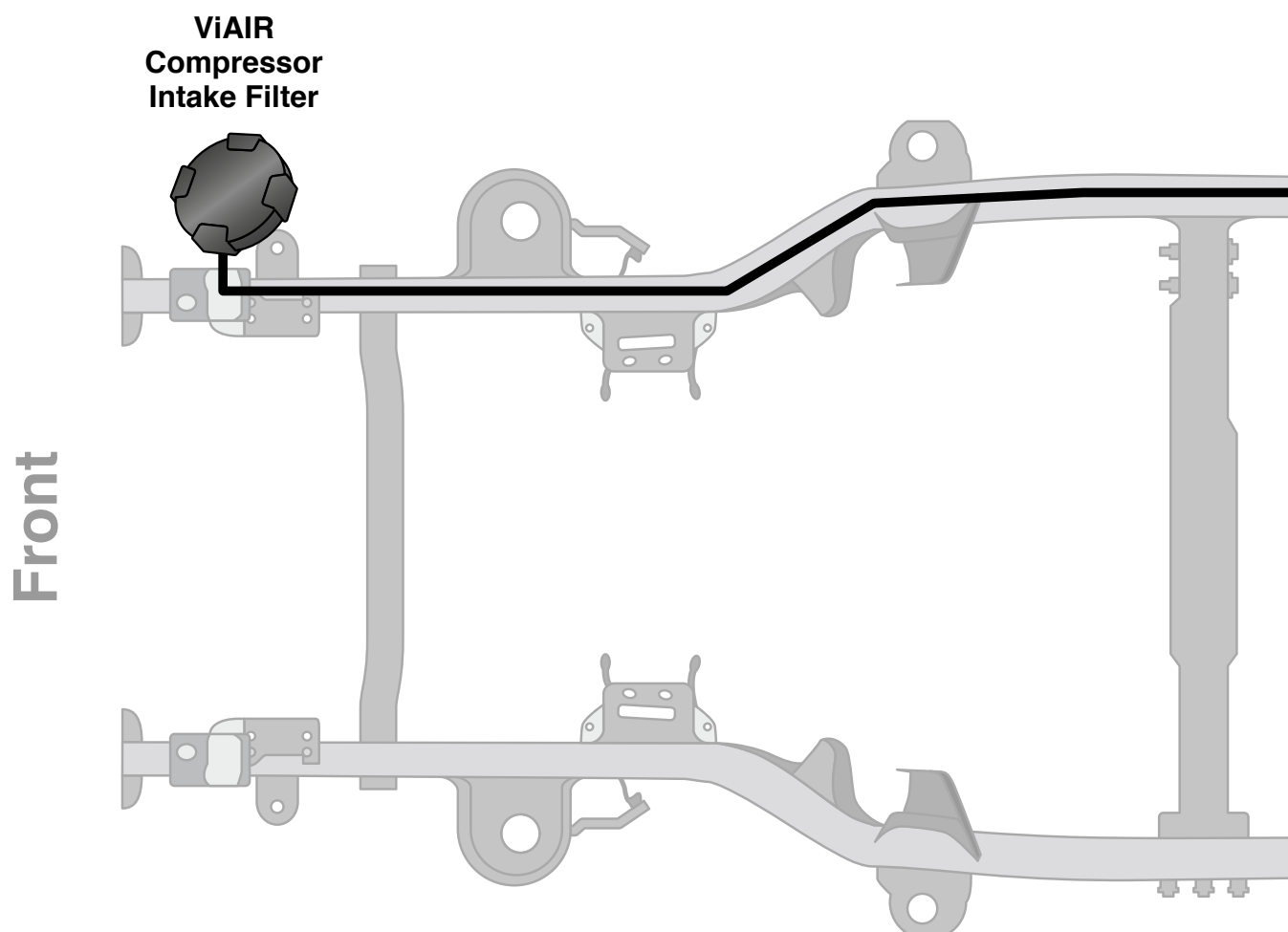
TAP INTO **M4**

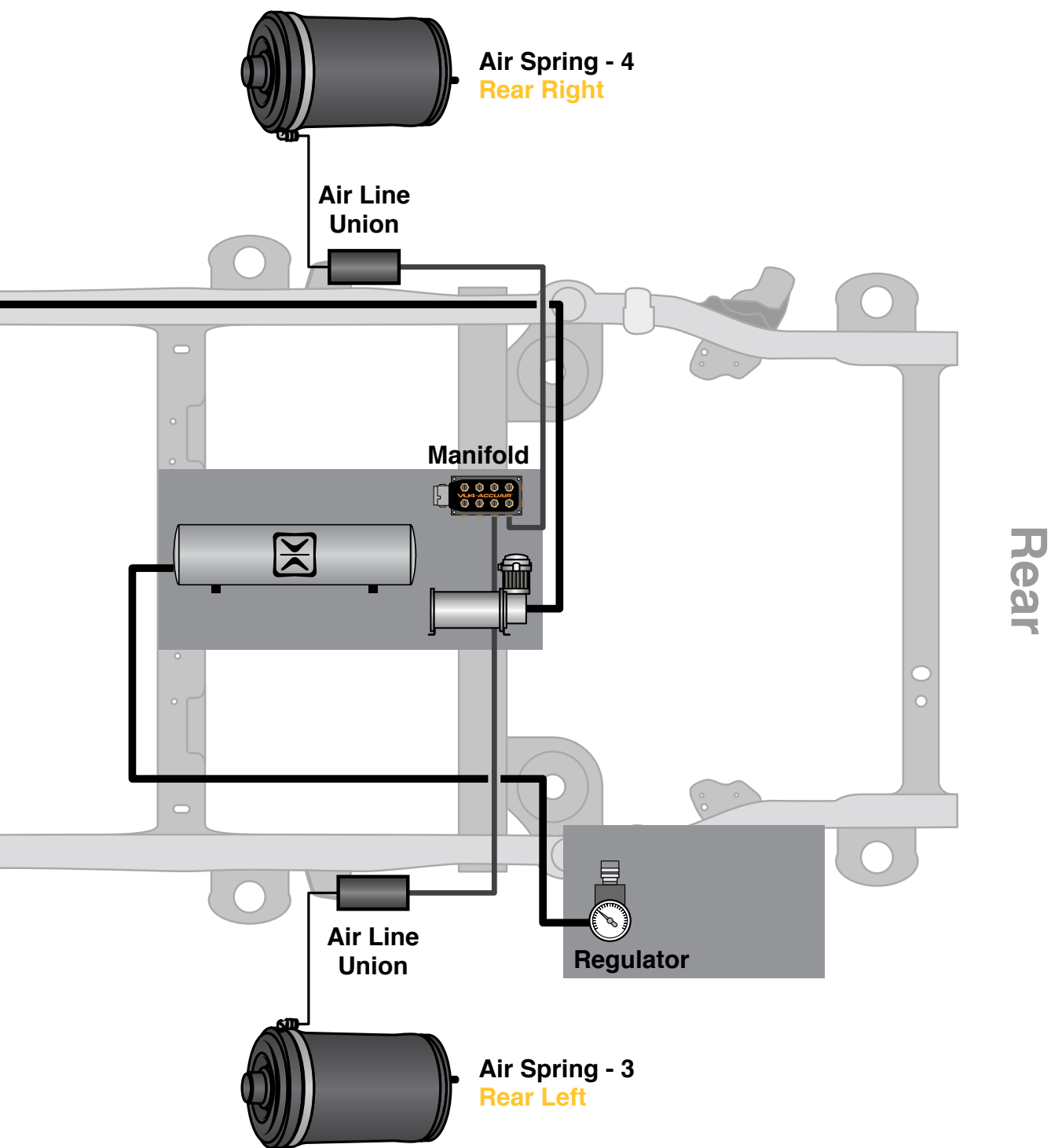






PLUMBING ROUTING







WIRING

1. Take the 6 gauge power wire with the 70 AMP fuse installed provided. (Figure 1)
Lay the fuse beside the battery and route remaining wire along the passenger side frame rail to the floor drain plug underneath the drivers side of the vehicle (Figure 2). **Do not connect to battery at this time.**

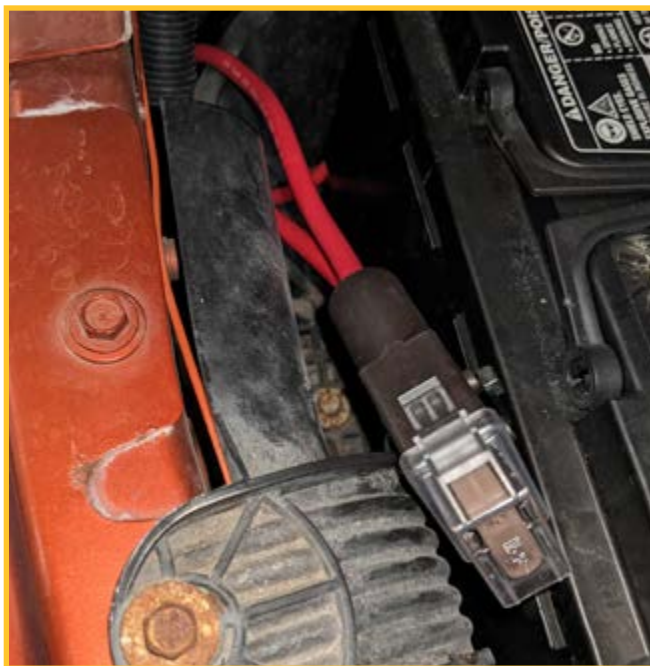


FIGURE 1

2. Remove the floor pan drain plug from underneath the rear driver side floor pan of the vehicle. Install supplied grommet. (Figure 2)



FIGURE 2

3. Pull the ECU main harness plug, valve harness plug, compressor power cable, batter power cable, and height sensor harness plug into the cab via the grommed floor pan hole. Run an end of the 1/4" air line for the pressure regulator into the cab via the grommed floor pan hole. (Figure 3)

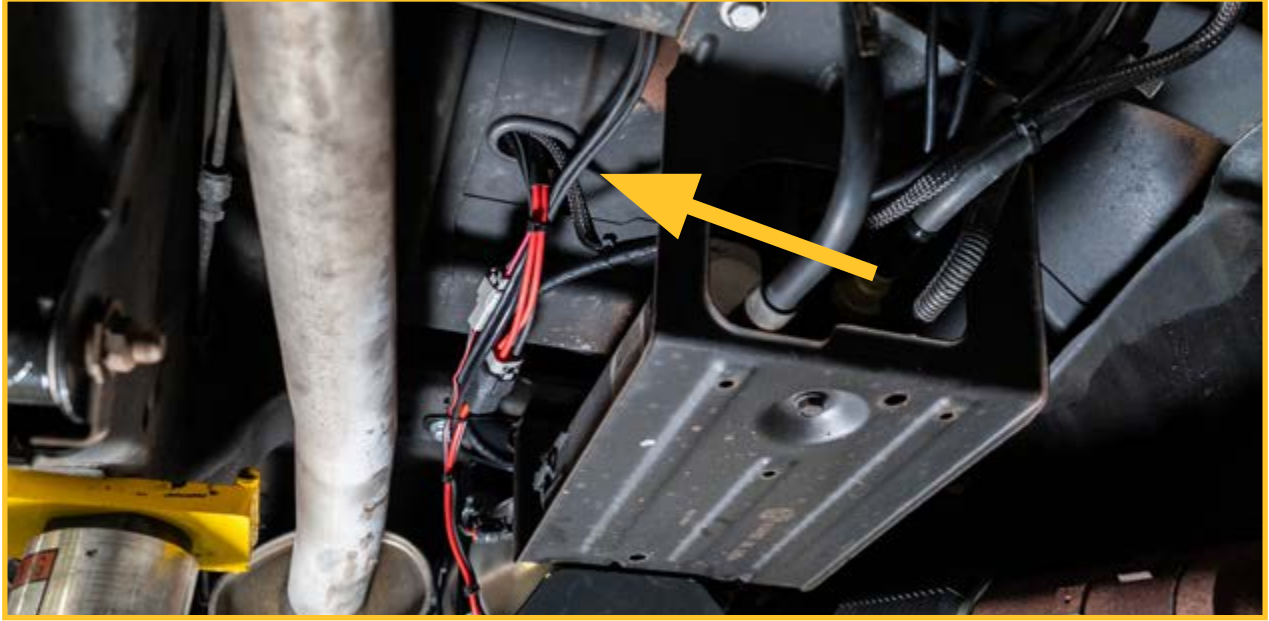


FIGURE 3

4. Inside the cab, fold the rear seats forward. Gather and pull the wires, tubing, and ground connections, up from the grommed floor pan hole. (Figure 4)



FIGURE 4



5. Locate all three grounds coming from the ECU harness. Depending on model or year, the ground stud location can vary. If wires will not reach available ground stud, follow the steps in the next figure. (Figure 5)



FIGURE 5

6. Cut all three grounds equal length. The excess from the long ground wire will now be used to extend all three grounds. (Figure 6)

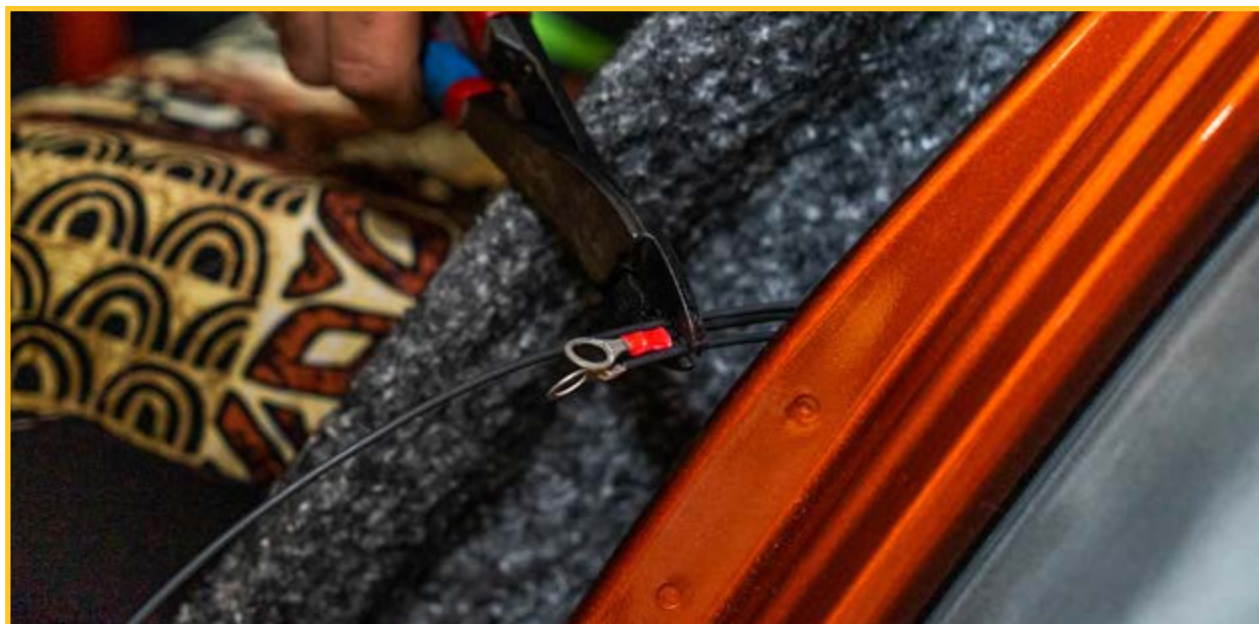


FIGURE 6

7. Using the supplied butt connector, connect the three grounds to one side and the length of wire with ring terminal to the other. (Figure 7)



FIGURE 7

8. Along the harness that runs down the drivers side rear wheel well, locate the plastic clip that sits over the stud. Using a wire brush or sandpaper, remove paint from stud, and this will be where the ground will be connected, using the supplied M6 nut. (Figure 8)



FIGURE 8



9. Install heat shrink onto wire end and crimp copper ring terminal onto battery power cable. (Use the ring terminal with **flat sides**.) (Figure 9)

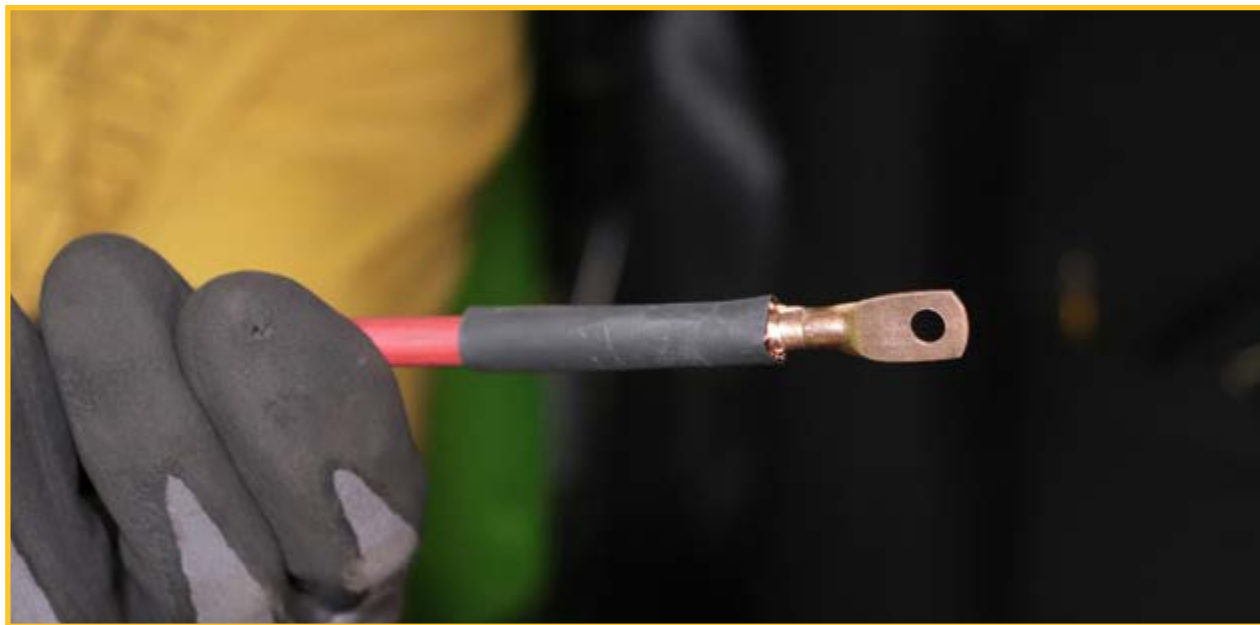


FIGURE 9

10. Gather all wire harnesses and the regulator air tubing and bundle them behind the carpet behind the drivers side rear seat. Also add TouchPad cable (white connector). (Figure 10)

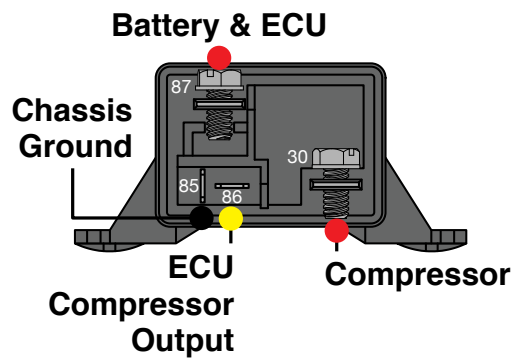


FIGURE 10

11. Locate supplied ECU bracket. Make electrical connections as shown below. Refer to relay diagram to make relay connections. (Figure 11)



FIGURE 11





12. Separate the upper and lower tank bracket assembly for installation using a 19mm socket/wrench. (Figures 12, 13)

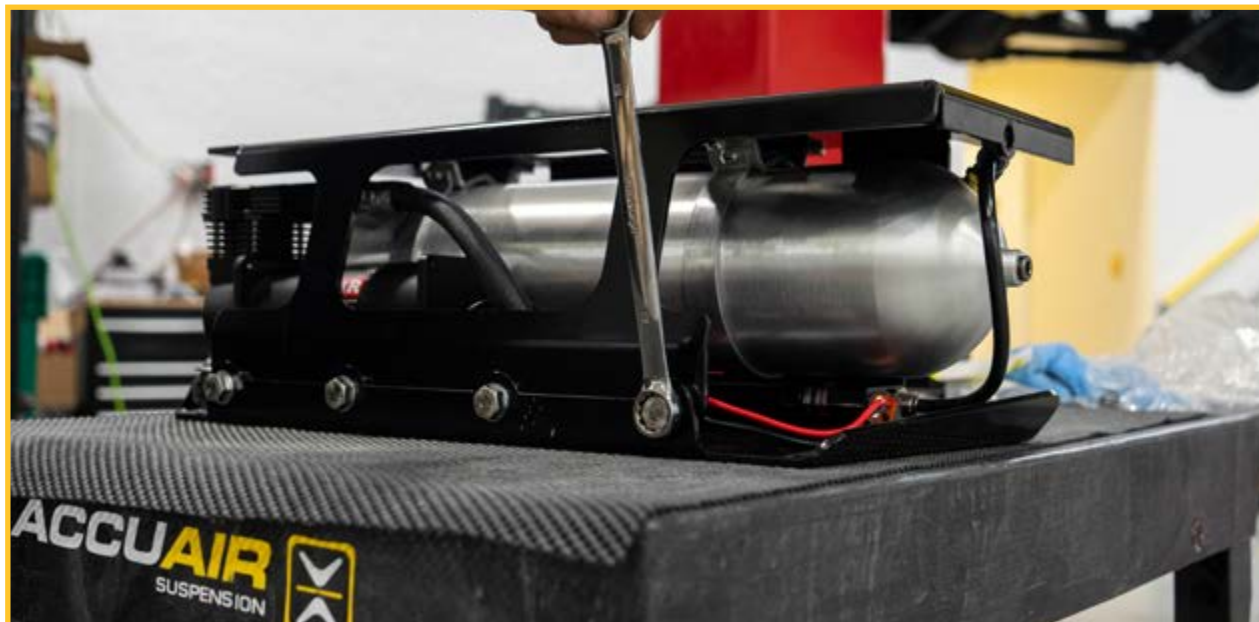


FIGURE 12

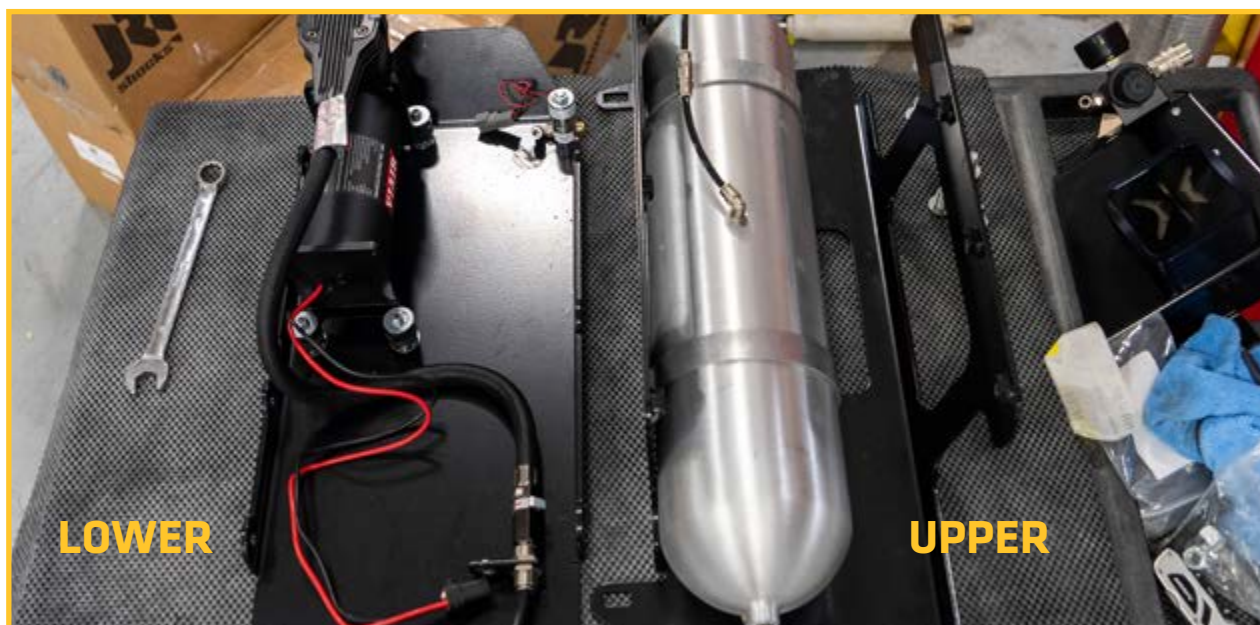


FIGURE 13

13. Using Phillips head screwdriver, loosen but do not remove the bolts on the tank strap to relieve tension on the tank, allowing tank to be repositioned during installation to allow access to mounting hardware. (Figure 14)



FIGURE 14

14. After loosening straps, slide the tank forward to allow access to mounting holes. (Figures 15, 16)

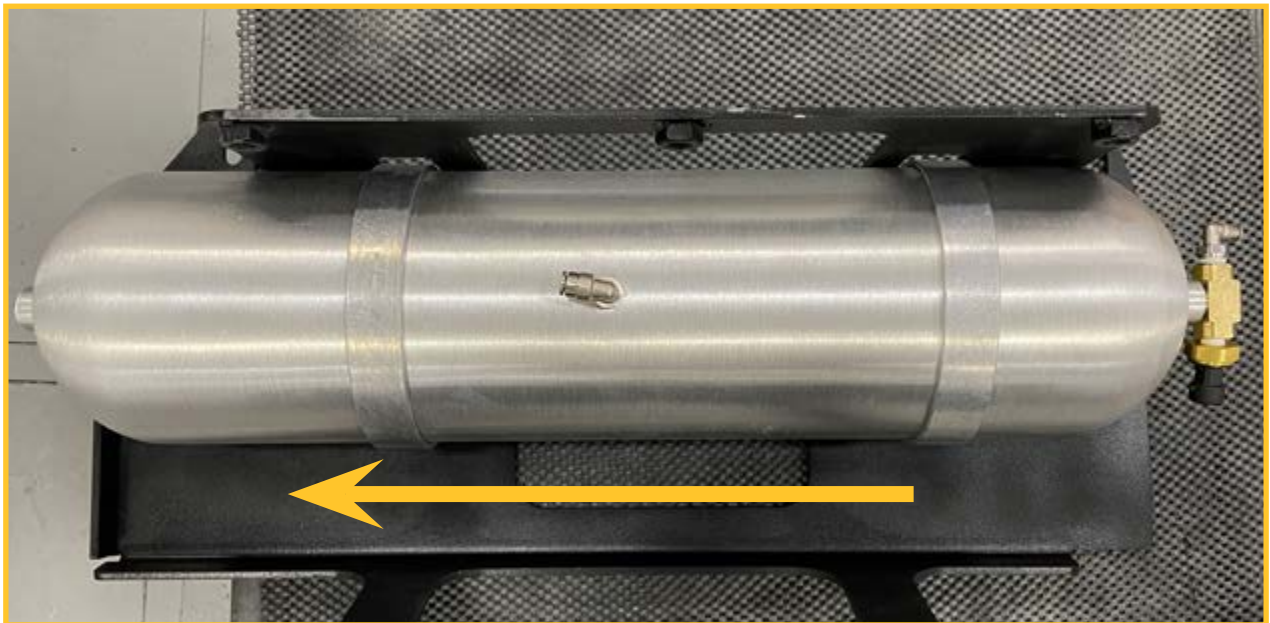


FIGURE 15

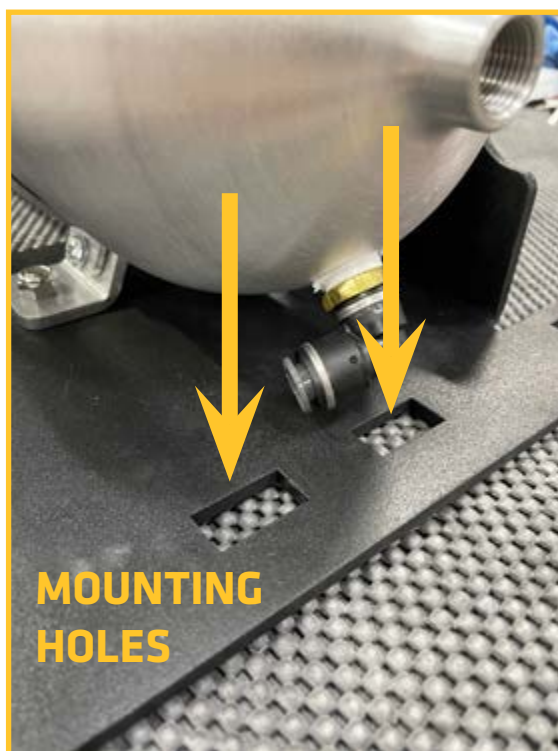


FIGURE 16

15. Remove the two bolts holding the front of the EVAP cannister with 16mm socket/wrench. (Figure 17)



FIGURE 17

16. Install the upper bracket holding the seamless tank to the frame underneath the vehicle. The tank bracket will slide in between the cross member and the EVAP cannister using the hardware removed in Step 15. The tank will face forward toward the engine bay, while the compressor and VU4 valve block will face the rear of the vehicle. (Use Blue Loctite when installing the M8 fasteners to the factory cross member.) (Figure 18)



FIGURE 18

With the brackets lined up, reinsert the 16mm bolts and tighten. Ensure clearance of muffler to bracket. (Figure 19)



FIGURE 19



17. Slide the seamless tank back into the original location and re-tighten tank straps. (Figures 20, 21)



FIGURE 20



FIGURE 21

18. The bracket shown below will go over top of the cross member at the front of the tank bracket. Using the supplied carriage bolt and flange nut through the top of the bracket, tighten to clamp bracket to the cross member. Then insert the hex bolt and washer into the front. (Figures 22, 23)



FIGURE 22



FIGURE 23



19. Insert the hex head bolts and washers through the tabs located at the front and back of the upper tank bracket through the cross member above. (Figures 24, 25)



FIGURE 24



FIGURE 25

20. Hang the lower tank bracket using the front two bolt hole locations and the 19mm bolts removed earlier. This will allow access to reconnect tubing to its original location. Route the compressor wires and purge solenoid wires to the rear of the bracket. (Figure 26)



FIGURE 26

21. After making tubing connections, finish installing the lower bracket to the upper using the rest of the 19mm hardware removed earlier. (Figure 27)



FIGURE 27



22. Remove this bolt at the rear of the EVAP cannister to allow mounting the VU4. (Figure 28)

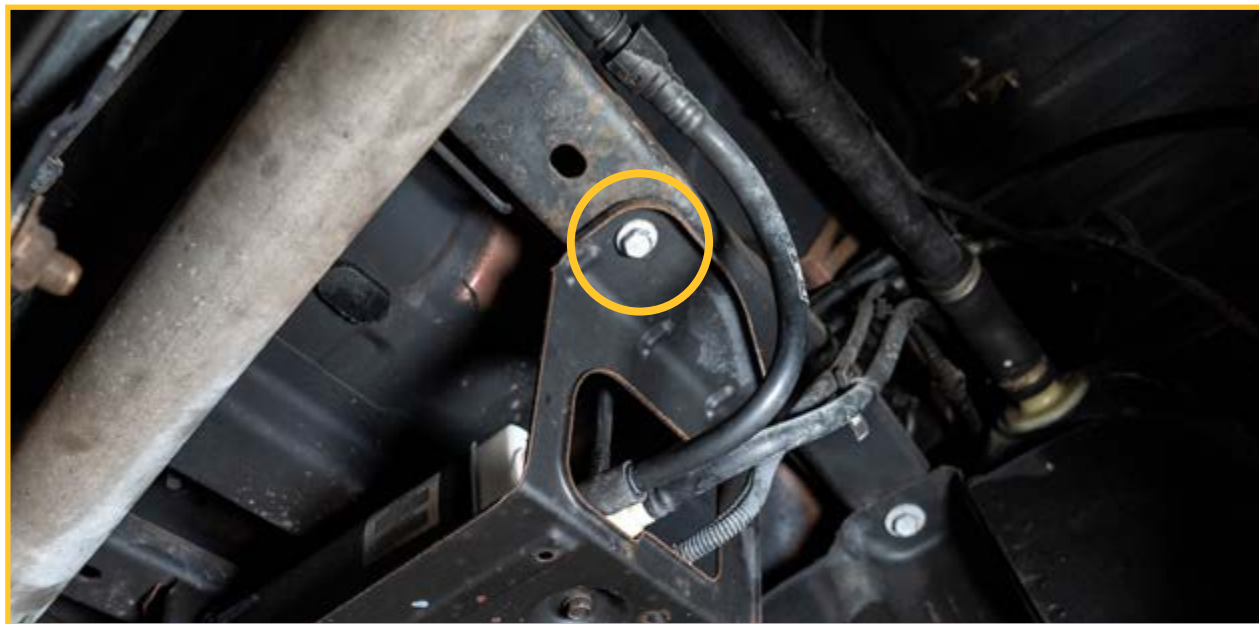


FIGURE 28

23. Slide the VU4 mounting bracket between the cross member and EVAP. Reinstall bolt. (Figures 29, 30)



FIGURE 29



FIGURE 30

24. Above VU4, remove this bracket holding the e-brake cables. Save hardware. (Figure 31)

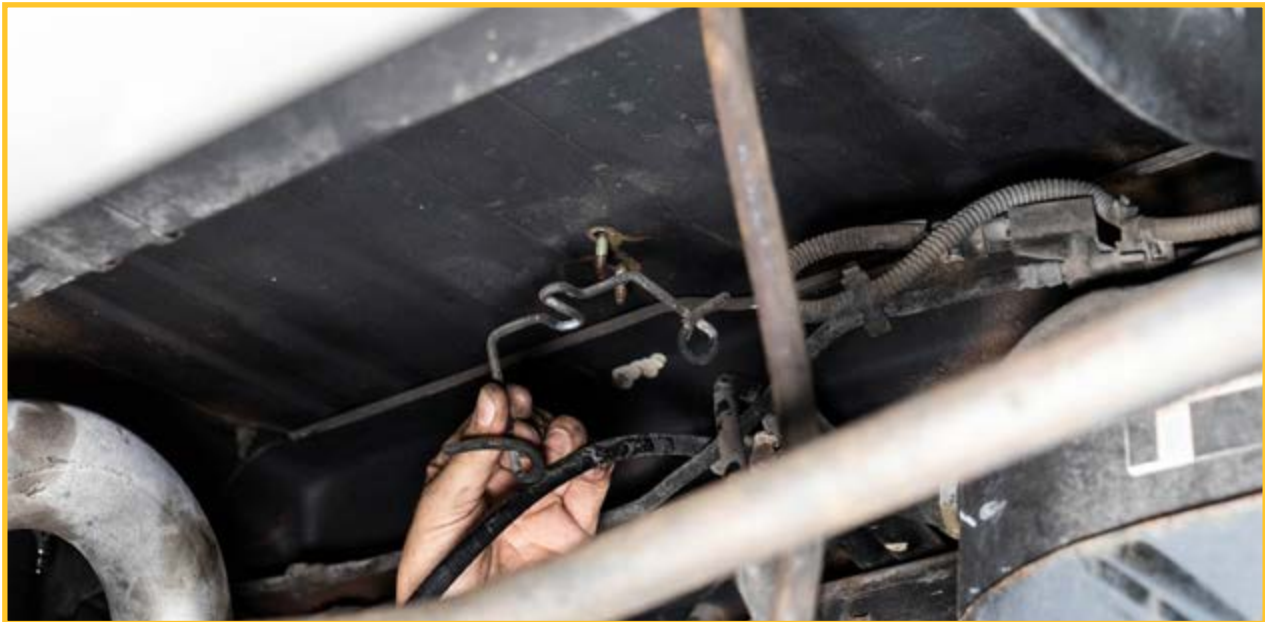


FIGURE 31



25. Route VU4 harness above EVAP cannister and connect to VU4 and route the ground wires to the stud located above VU4 from the e-brake bracket that was removed. Do not tighten at this time. (Figure 32)



FIGURE 32

26. Make connection for compressor harness and route the grounds from the harness to the stud above the VU4. Tighten the ground stud. (Figures 33, 34)



FIGURE 33



FIGURE 34



27. Connect purge valve to plug from main harness. (Figure 35)



FIGURE 35

28. Run the orange ignition wire up to the fuse box.

29. Crimp the orange ignition wire to the fuse tap provided. Extract 20 AMP fuse from **M6** and place on bottom position of the fuse tap. Install the **5 AMP** fuse supplied and position in top slot of the fuse tap. Reinsert into the fuse box location **M6**. (Figures 36, 37)



FIGURE 36

**FIGURE 37**

30. Attach t-tap to ignition line near passenger side door. (Figure 38)



FIGURE 38



31. Connect GPS speed module spade connector to t-tap. (Figure 39)



FIGURE 39

32. 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 40)



FIGURE 40

33. Connect 12-pin Molex connector to GPS Speed module. (Figure 41)



FIGURE 41

34. Connect the 3-wire pressure sensor. (Figure 42)



FIGURE 42



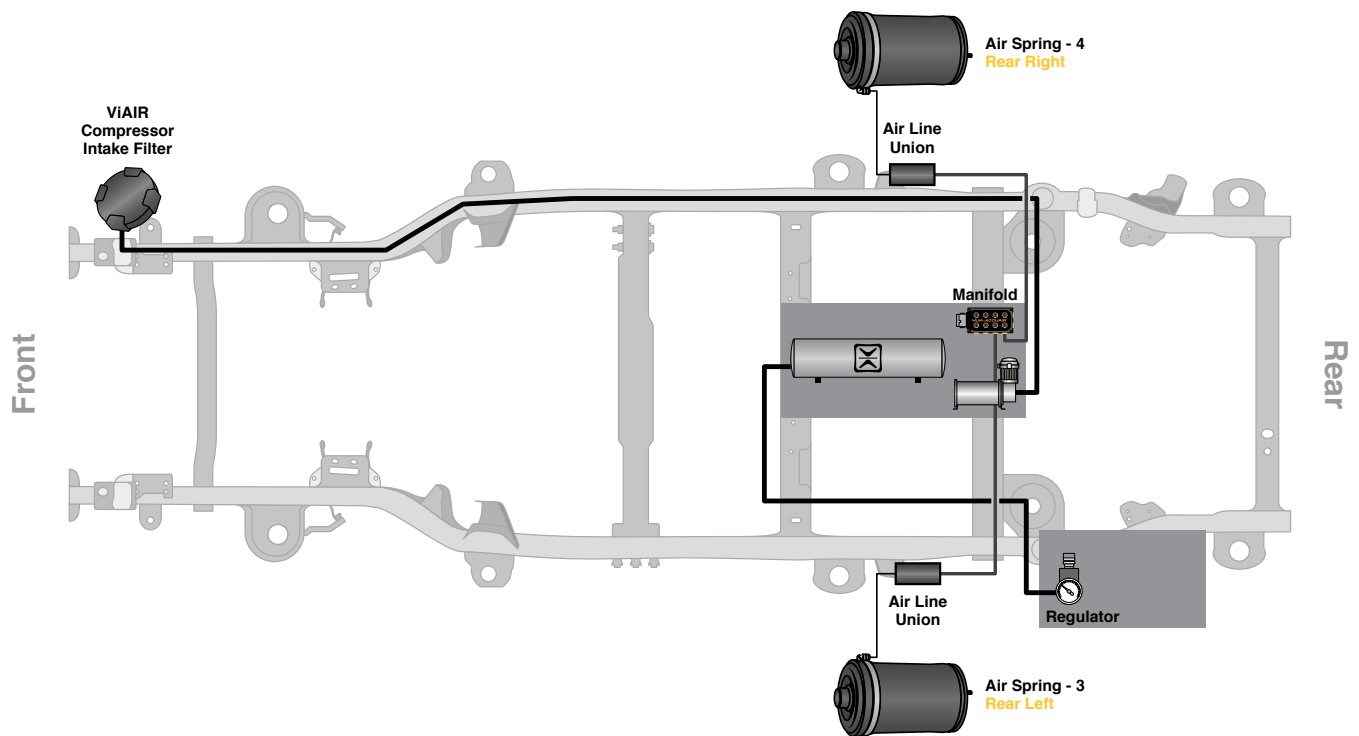
35. When installed, this is what the assembly will look like. (Figure 43)



FIGURE 43



1. Plumb air lines according to the diagram below.



2. Make VU4 connections as shown. Note the port to corner association with Figure 44 and plumbing diagram. (Figure 44)



FIGURE 44



3. Connect 1/4" regulator air line to elbow on the brass T opposite of the pressure switch. (Figure 45)



FIGURE 45

4. Trim and attach 1/4" air line to regulator. (Figure 46)



FIGURE 46

5. Install intake filter near engine intake in the front passenger side under the hood. (Figure 47)



FIGURE 47

6. Route the intake line back to the compressor. (Figure 48)

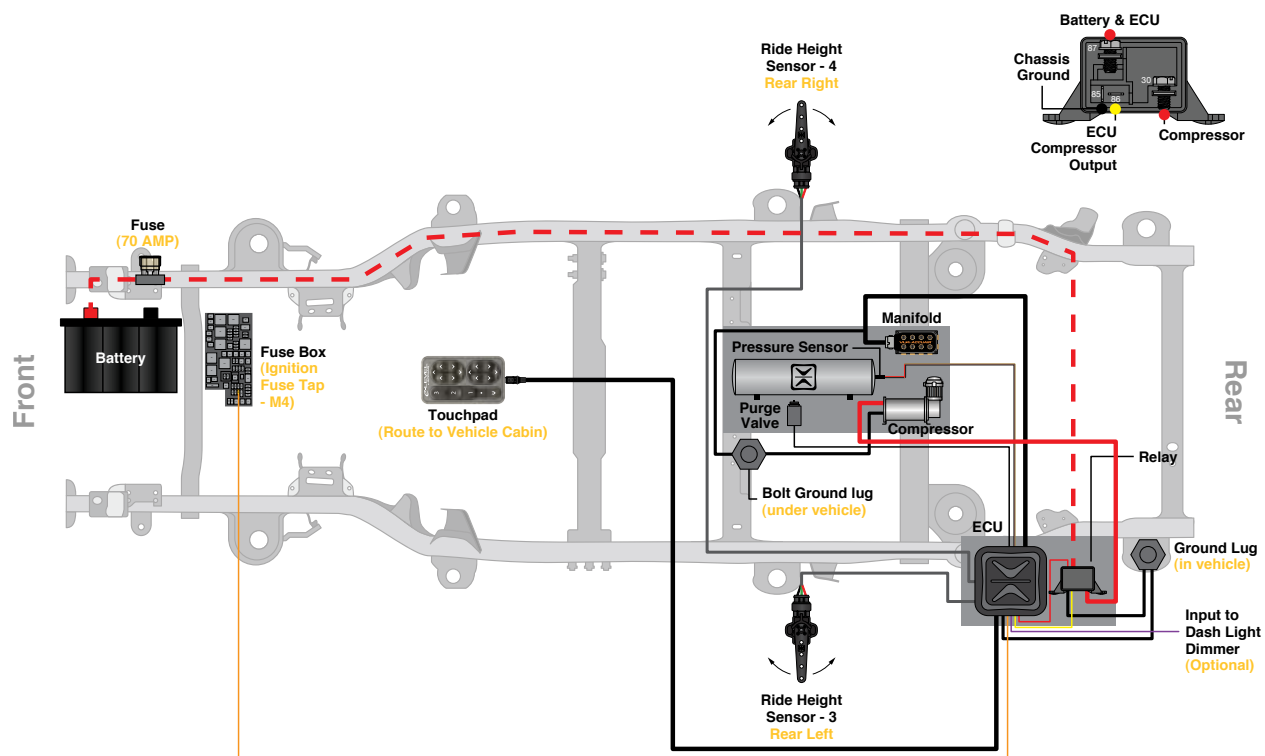


FIGURE 48



PLUMBING/ROUTING

7. Route height sensors to wheel wells according to the diagram below. Ensure harness numbers are going to the correct corners “1, 2, 3, and 4”.



8. Next, locate the TouchPad 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 49)



FIGURE 49



1. Cut carpet for bracket clearance. (Figure 50)



FIGURE 50

2. Tighten forward hex. (Figure 51)

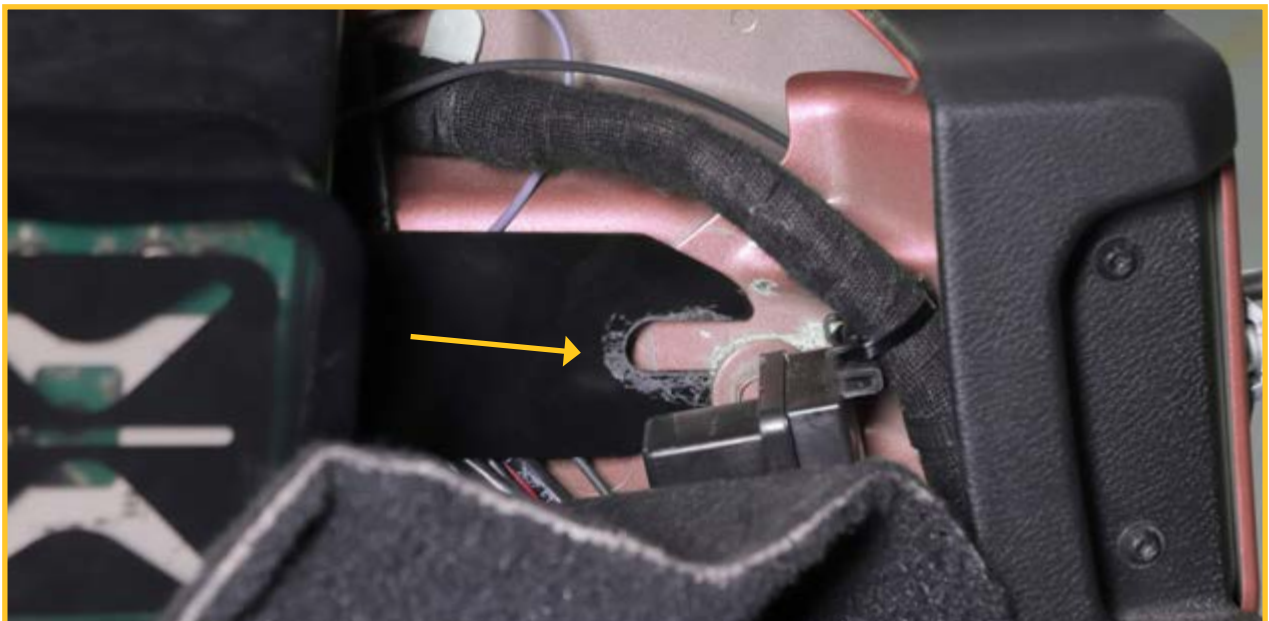


FIGURE 51



FINAL INTERIOR INSTALLATION

3. At the back of the ECU bracket, insert clamp and hardware behind the lip of the Jeep's body and tighten to secure ECU bracket, ensuring the tab is in the slot. (Figure 52)



FIGURE 52

4. When completed, ECU bracket should look as shown. (Figure 53)



FIGURE 53

5. Terminate the short leg of the power cable. Remove the **70 AMP** fuse from the holder. Connect the cable to the battery. Then, reinstall the **70 AMP** fuse. (Figure 54)



FIGURE 54



REAR INSTALLATION

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. Disconnect OEM rear track bar from the axle using a 21mm socket/wrench. (Figure 55)

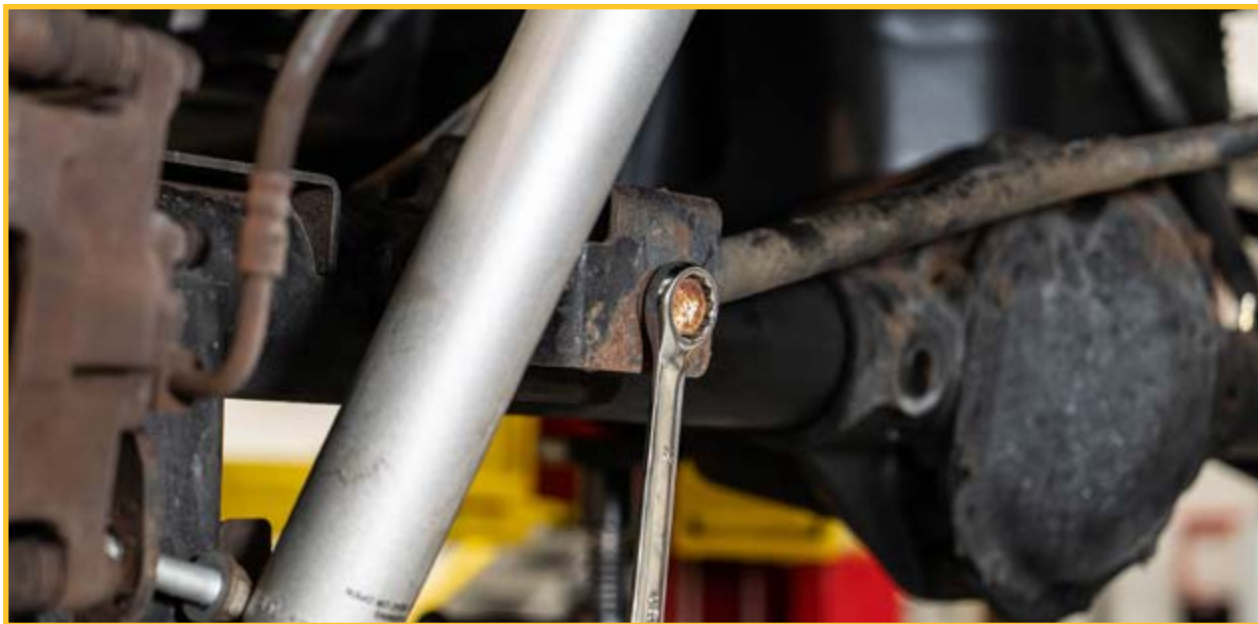


FIGURE 55

4. Install supplied brake line relocation bracket with supplied hardware. (Figure 56)



FIGURE 56

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

5. Remove lower rear sway bar end links from both sides using a 6mm hex key socket/wrench & 18mm socket/wrench. Retain hardware. (Figure 57)



FIGURE 57



REAR INSTALLATION

6. Remove lower rear shock hardware from both sides using a 18mm socket/wrench. Retain hardware. (Figure 58)

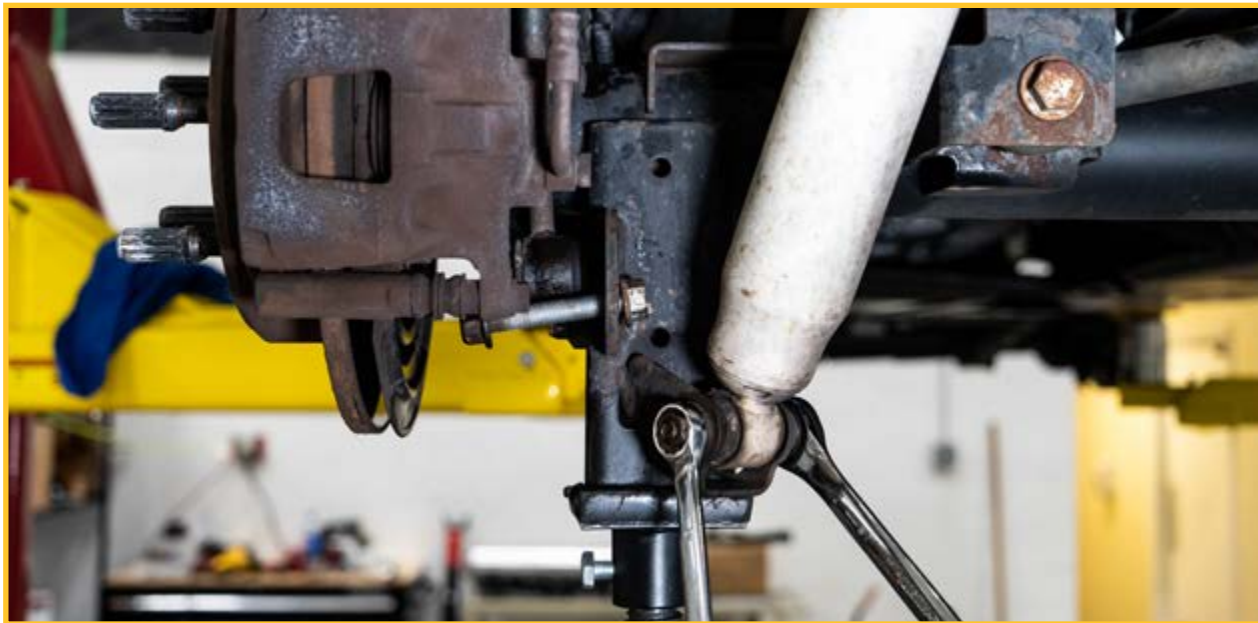


FIGURE 58

7. While checking for appropriate slack in ABS lines, brake lines, differential vent hose & etc, lower rear axle & remove OEM rear coil springs and isolator bushings. (Figure 59)

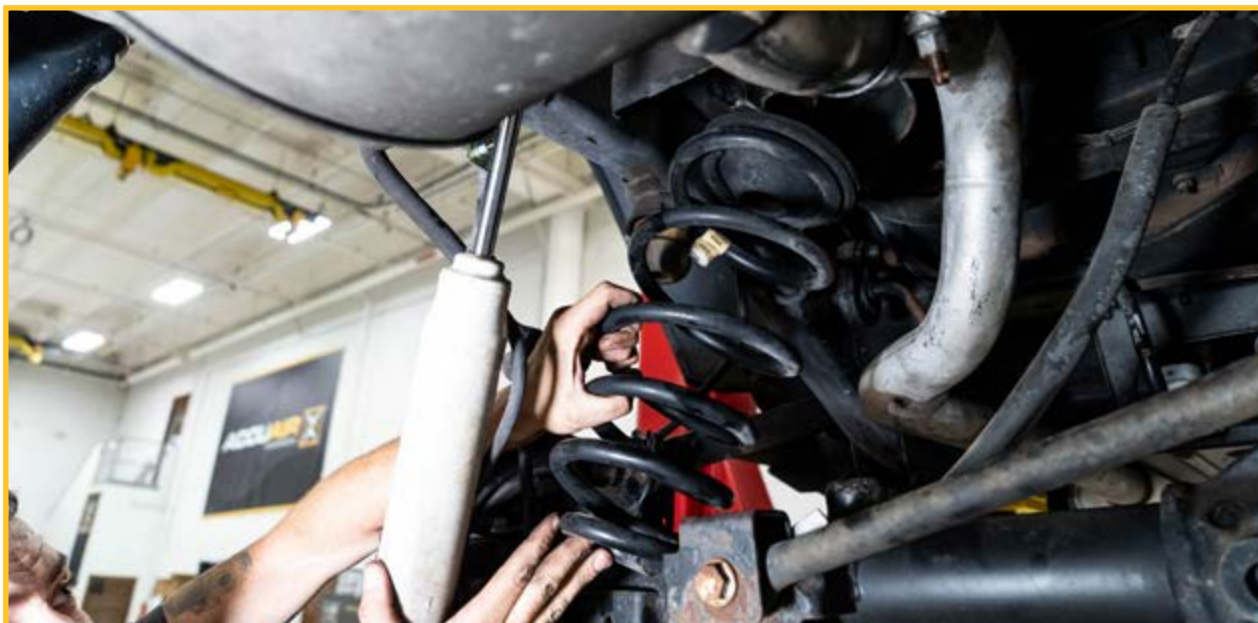


FIGURE 59

8. Install the rear bumpstop extensions. (Figures 60, 61)

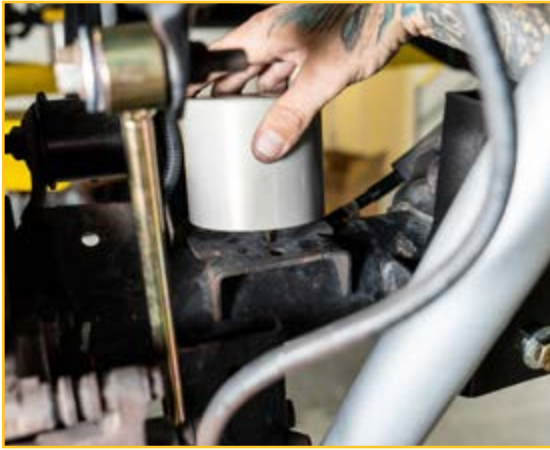


FIGURE 60 - LEFT SIDE

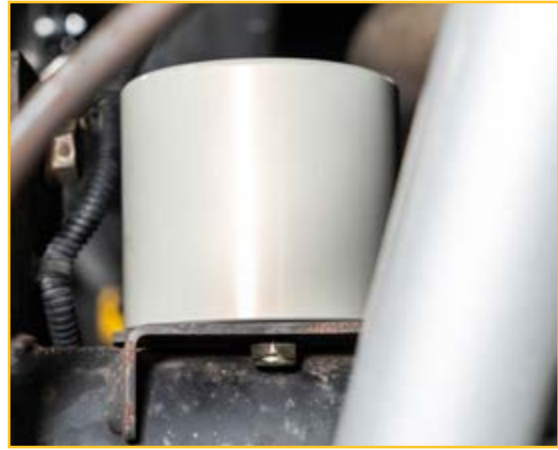


FIGURE 61 - LEFT SIDE

9. Install the rear track bar brace to the differential. This will allow you to position the track bar relocation brackets for drilling. (Figure 62)



FIGURE 62



REAR INSTALLATION

10. Install and snug supplied bolt and spacer where the OEM track bar location, checking to ensure the holes on the upper part of the bracket are in line with the differential brace. (Figure 63)



FIGURE 63

11. Using a centering punch, mark this location to drill for hardware. (Figure 64)

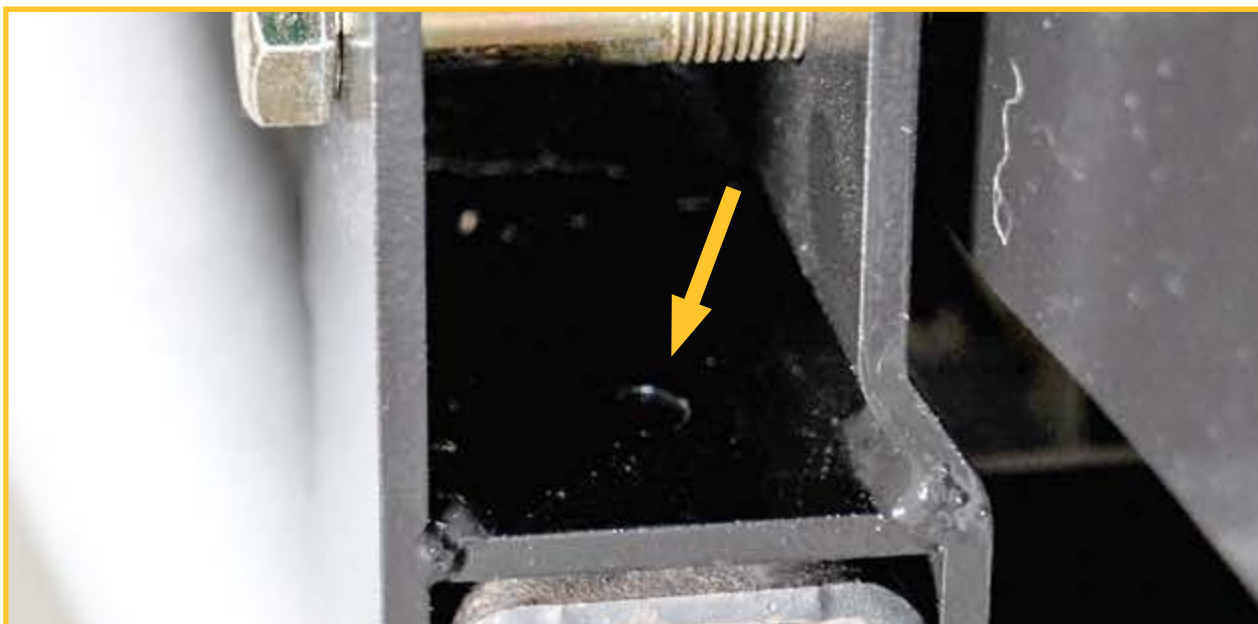


FIGURE 64

12. Remove track bar bracket and drill centering mounting hole using a 15/32" drill bit and reassemble the bracket and track bar, using supplied hardware. (Figure 65)



FIGURE 65

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



REAR INSTALLATION

13. One at a time, remove the OEM rear lower control arms & install the new rear lower control arms using the OEM hardware, & a 21mm socket/wrench. Note the location of the height sensor mounting tab on the upper control arms should be facing up and towards the chassis side. Do not fully tighten control arm hardware at this time. (Figure 66)



FIGURE 66

14. Install rear ride height sensor bracket assembly to the frame using the existing hole and tighten to 17 ft-lbs. (Figures 67, 68)

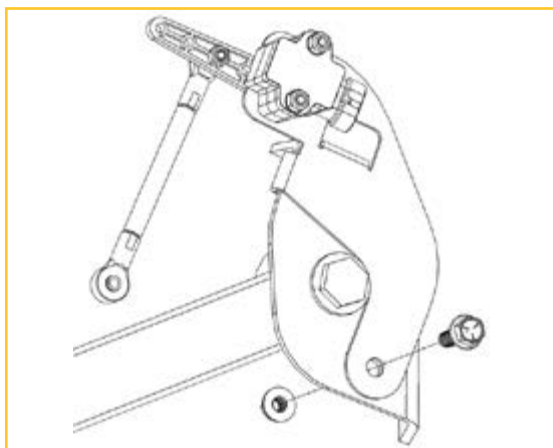


FIGURE 67 - RIGHT REAR

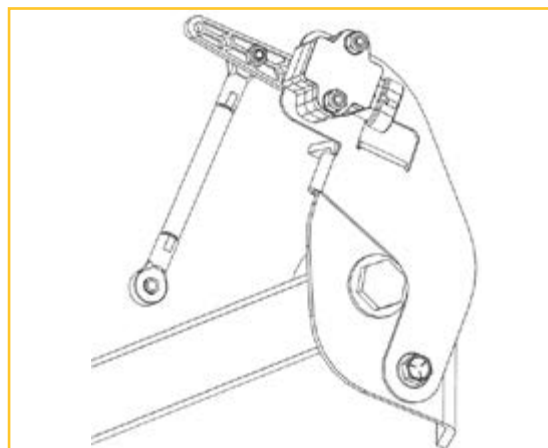


FIGURE 68 - RIGHT REAR

15. You will need to trim inner fender liner for clearance of the height sensor arm and rod. Ensure clearance through full range of motion. (Figure 69)



FIGURE 69

16. Install air spring on OE spring perch with retaining clips facing the front of the vehicle and tighten. (Figure 70)

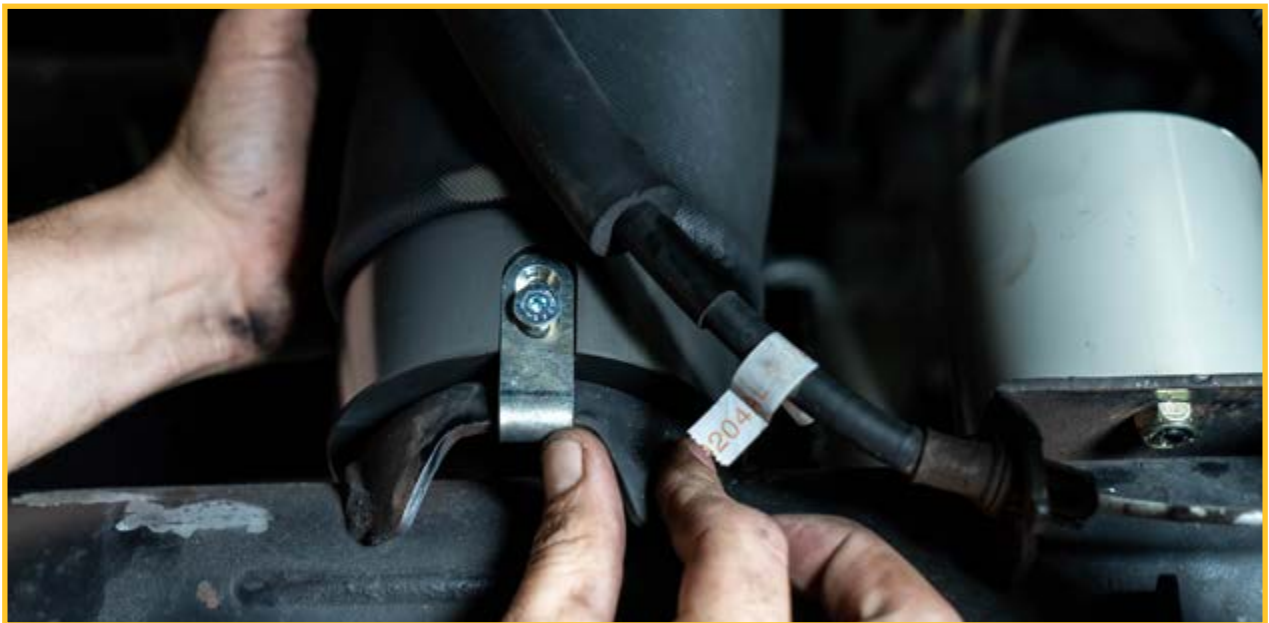


FIGURE 70



REAR INSTALLATION

17. Slowly pull the air springs up and install the air spring retaining clips through the top mount once the slot in the top mount has cleared the top of the frame. (Figures 71)



FIGURE 71

18. Remove inboard upper shock absorber bolt and attach limit strap with supplied hardware as shown. Torque to OE specifications. (Figure 72)



FIGURE 72

19. Push OE lower shock absorber back into place. Put lower end of limit strap on the bolt. Then install the OE nut and torque to OE specifications. (Figure 73)



FIGURE 73



REAR INSTALLATION

20. Repeat on other side. When complete, it should look as follows. (Figure 74)



FIGURE 74



WARNING:

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

21. Inflate rear springs using TouchPad Controller. Ignition must be on. Inflate by tapping the double up arrow. (Figure 133)



FIGURE 75

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

Scan the QR code for more details.



22. Install rear tires/wheels using a 22mm socket.

23. Lower vehicle to ground. Torque lug nuts to 130 ft-lbs.

24. Tighten rear control arm hardware to OE specifications with a 21mm socket on a torque wrench.



FINAL CLEARANCE CHECK & TORQUE STEPS



CALIBRATION VIDEO

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 front wheels pointed straight ahead. Leave the vehicle running to power the compressor during this procedure.

Before starting calibration, turn on the vehicle and let the compressor 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 rear of the vehicle starts to move up.



WARNING:

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

The vehicle will now open the valves to the air springs and run the compressor to fill the 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 few times. This will help suspension settle to new ride height. Check all components for proper operation & clearances. Pay special attention to clearance between tires/wheels, Shocks, control arms, brake hoses, ABS wiring, etc.
3. Rear Tighten & Torque Sequence.
 - Track bar bracket bolts. 1/2” Bolts Torque to 90 ft-lbs. 9/16” Bolt Torque to 130 ft-lbs.
 - Track bar at the bracket. Torque to 130 ft-lbs.
 - Rear shock absorber lower mount using a 18mm socket/wrench. Torque to 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 to 59 ft-lbs.

CHECK FOR SYSTEM LEAKS

Check for system leaks using supplied Snoop 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.

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.

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

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 perform 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 be adequate but that can vary.

REGULATOR NOTICE

The supplied regulator will always have some small residual leak, due to how the regulator works, which means the tank pressure will decrease over time. If you are experiencing tank pressure dropping more than 5 psi overnight, the regulator may be leaking excessively. To rectify this, adjust the regulator pressure down to 20 psi, then up to 120 psi. If you desire no leakage, remove the regulator and cap the line from the tank.

AccuAir advises against adjusting the regulator over 150 psi.



PARTS APPENDIX

20-18842	TPAD ASSEMBLY		20-18842
QTY	ITEM #	DESCRIPTION	
1	20-16084	TPAD TPAD+	
1	29-16107	TPAD TPAD BOX #3	
1	29-16110	TPAD TPAD FOAM INSERT BOTTOM	
1	29-16111	TPAD TPAD FOAM INSERT TOP	
1	29-16112	TPAD TPAD FOAM TOP	
1	29-16114	TPAD USB HARNESS TO ECU	
1	29-16253	TPAD+ QUICKSTART GUIDE	
1	29-16254	TPAD+ MOUNTING TEMP	

20-19830	JEEP INFLATION ACCESSORY KIT		20-19830
QTY	ITEM #	DESCRIPTION	
1	29-17438	UTV SHOCK HOLDING TOOL SHIPPER	
1	29-18105	BLOW GUN	
1	29-18125	CLIP ON SCHRADER CONNECTION	
1	29-18126	30FT BRAIDED HOSE	
1	29-18131	1/4" NPT QUICK CONNECT STUD (M)	

20-21232	JK REAR ONLY AIR SPRING/HEIGHT SENSOR KIT		20-21232
QTY	ITEM #	DESCRIPTION	
2	20-18747	JEEP JK AIR SPRING, REAR	
1	20-18864	JEEP JK REAR BUMP STOP SPACER ASSEMBLY	
1	20-19848	JEEP JK RIDE HEIGHT SENSOR ASSY REAR LEFT	
1	20-19849	JEEP JK RIDE HEIGHT SENSOR ASSY REAR RIGHT	
1	20-21233	JK REAR ONLY AIRSPRING AND HEIGHT SENSOR HARDWARE KIT	
2	29-18760	SWAY BAR END LINK, JK REAR	
2	29-19237	JT REAR LIMIT STRAP	
2	29-21338	M10 X 1.25 X 30 LG FLANGED HEX HEAD BOLT	

20-21234	JK REAR ONLY INFLATION ASSEMBLY		20-21234
QTY	ITEM #	DESCRIPTION	
1	20-18694	JEEP JK INFLATION BRACKET ASSEMBLY	
1	20-21235	JK REAR ONLY VU4 ASSEMBLY	



PARTS APPENDIX

20-21236	JK REAR ONLY WIRING AND PLUMBING KIT		20-21236
QTY	ITEM #	DESCRIPTION	
1	20-18283	JEEP POWER WIRING KIT	
1	21-17124	JEEP JL/JK RIDE HEIGHT SENSOR HARDWARE	
1	29-16265	WIRE KIT POWER HARNESS	
1	29-16548	PLASTIC AIRLINE CUTTER	
1	29-17448	CONN SPLICE 8 AWG CRIMP	
1	29-17530	8" ZIP TIES, 50 PACK	
1	29-18239	ECU TO VU4 HARNESS, 6.5 FEET	
1	29-18803	2 CORNER HEIGHT SENSOR HARNESS	
1	29-18829	JK COMPRESSOR POWER HARNESS	
900	29-18861	1/4 INCH DOT AIR LINE BLK	
1	29-19854	ATM FUSE ADD-A-CIRCUIT	
1	29-19855	5A ATM FUSE (504-ATM-5)	
1	29-20697	JEEP KIT E-PLUS MAIN HARNESS V2	
1	29-20742	SNOOP, LIQUID LEAK DETECTOR, 2 OZ (59 ML) BOTTLE	
1	29-9727	NYLON INSERT LOCK NUT-ZINC-STEEL-M6 X 1 THREAD-10MM WIDE-6MM HIGH	

20-21237	JK REAR ONLY ECU BRACKET ASSEMBLY		20-21237
QTY	ITEM #	DESCRIPTION	
1	20-21238	JK REAR ONLY ECU BRACKET ASSEMBLY	
1	29-18317	PACKAGE BOX	

20-21240		JK REAR ONLY KIT PAPERWORK	20-21240
QTY	ITEM #	DESCRIPTION	
1	29-16249	ACCUAIR PRODUCT REGISTRATION CARD	
1	29-18894	OFFROAD INSTRUCTION AND WARRANTY FOLDER	
1	29-18914	MODIFIED VEHICLE VISOR WARNING STICKER	
3	29-19243	ACCUAIR 9" WIDE HORIZONTAL DIE CUT	
1	29-19244	ACCUAIR 5" TALL VERTICAL DIE CUT	
1	29-19804	ACCUAIR 5" DIE CUT STICKER - WHITE	
1	29-21241	REAR ONLY JEEP JK INSTRUCTIONS	

ACCUAIR

SUSPENSION



TROUBLESHOOTING & TECHNICAL SUPPORT

**MORE INFO?
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