



AA-4410
2020-PRESENT
JEEP GLADIATOR (JT, GAS)
ONBOARD AIR SYSTEM
INSTALLATION GUIDE





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CONGRATULATIONS!

Your AccuAir® Jeep JT Onboard Air system gives you access to on demand air any time, any place. Enjoy your AccuAir® JT 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.



CAUTION:

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

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

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 JT onboard air system 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 onboard air system 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

5 GALLON SEAMLESS TANK

VIAIR 485C COMPRESSOR

VIAIR INFLATION SYSTEM

INSTALL KIT FOR AIR TANK, COMPRESSOR

REGULATOR

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

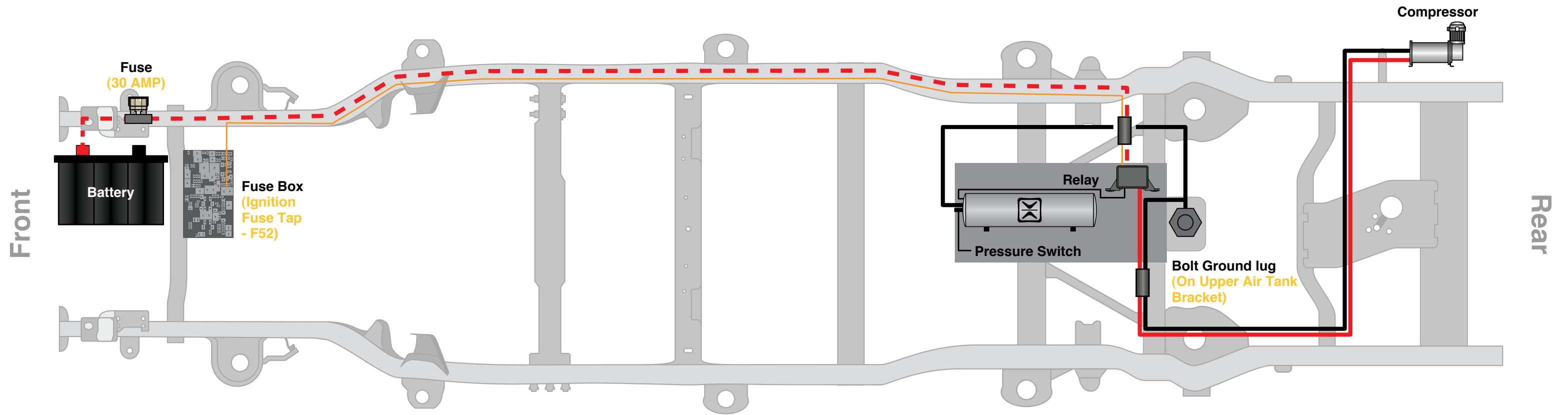
Torque Wrench

Ball Peen Hammer

Crimper



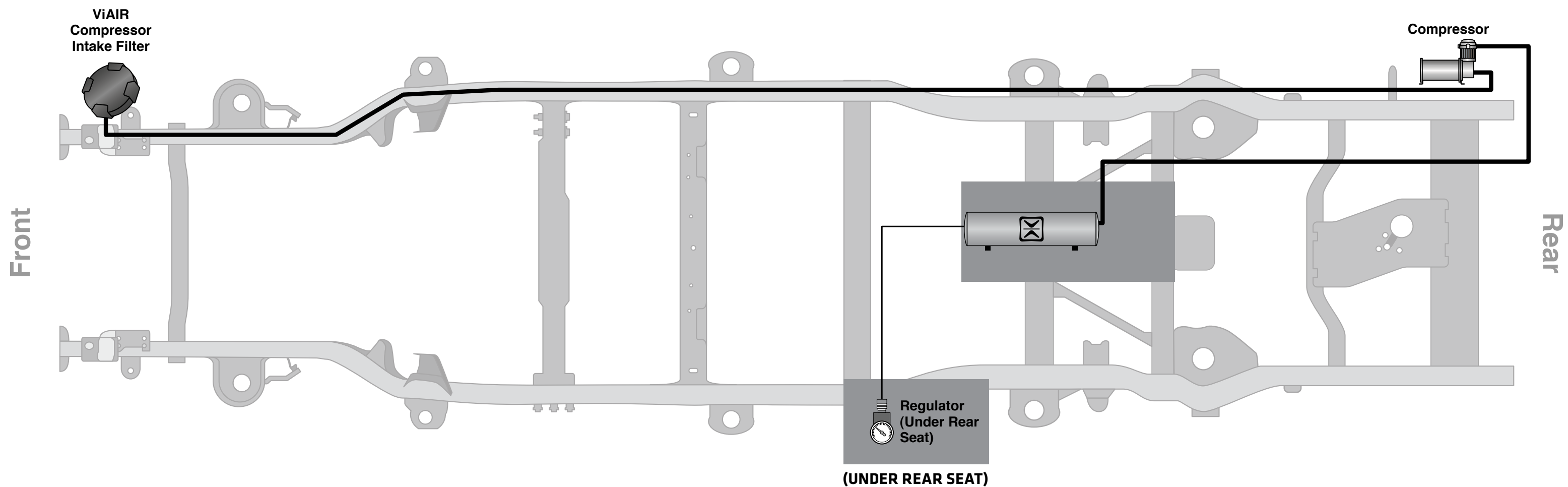
WIRE TERMINATION POINTS





TAP INTO F52







1. Remove plastic tray from under rear seat. Remove plastic bolt box under the driver rear seat. Fold carpet forward. (Figures 1, 2)



FIGURE 1



FIGURE 2

2. Locate the rubber plug in the floor located above the gas tank. Remove and install supplied grommet. (Figures 3, 4)



FIGURE 3



FIGURE 4

3. Install the upper part of the air tank bracket. This spacer must be used when installing the bracket to prevent crushing the crossmember when it is fully tightened. (Figure 5)



FIGURE 5

Snug bolt. **Do not completely tighten at this time.** You will come back and tighten this bolt after the lower bracket is installed. (Figures 6, 7)



FIGURE 6



FIGURE 7



4. Start supplied bolts into existing threaded holes on passenger rear of frame. The bracket will slide over these bolts. Install the compressor bracket. Ensure the leader hose from the compressor is routed above the frame. (Figures 8, 9, 10)



FIGURE 8



FIGURE 9



FIGURE 10

NOTE: If you have rock guards, the right rear will need to be removed.

5. The wiring harness shown below is used to supply power and ignition to the large bracket. (Figure 11)



FIGURE 11

6. Connect the power extension cable to the relay wiring harness. (Figure 12)

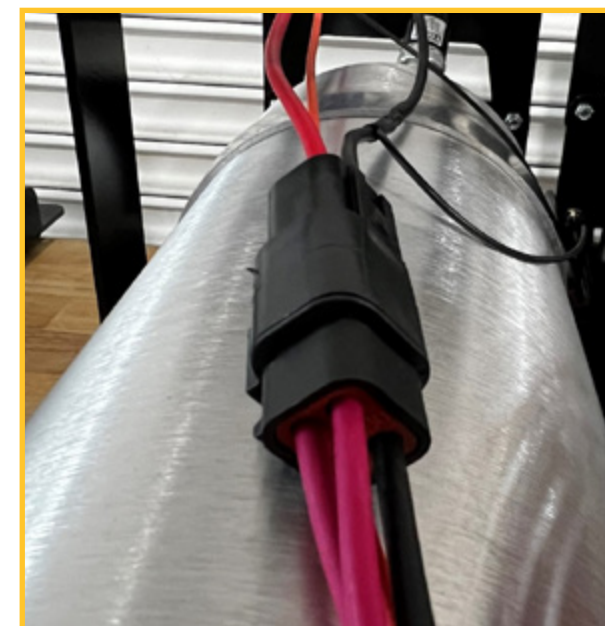


FIGURE 12



7. Run power from compressor to the inside of the relay wiring harness. (Figures 13, 14)



FIGURE 13



FIGURE 14

8. Route the Power and Ignition wires from the relay to the battery/fuse box. Cut excess wire length. (Figure 15)

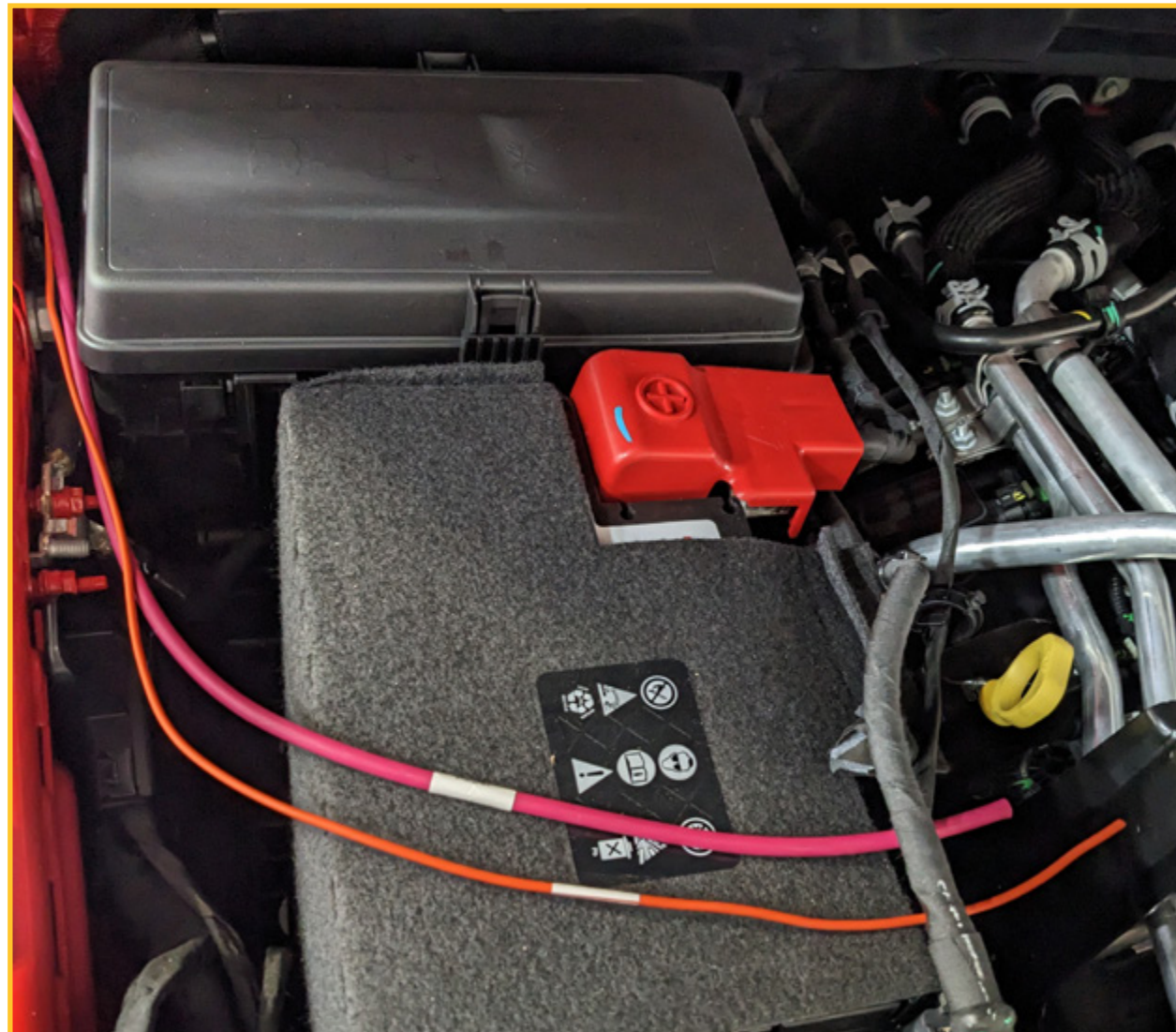


FIGURE 15



9. Crimp the orange ignition wire to the fuse tap provided. Extract the 10 or 20 amp fuse from F52 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. Push the fuse tap into position F52. (Figures 16, 17)

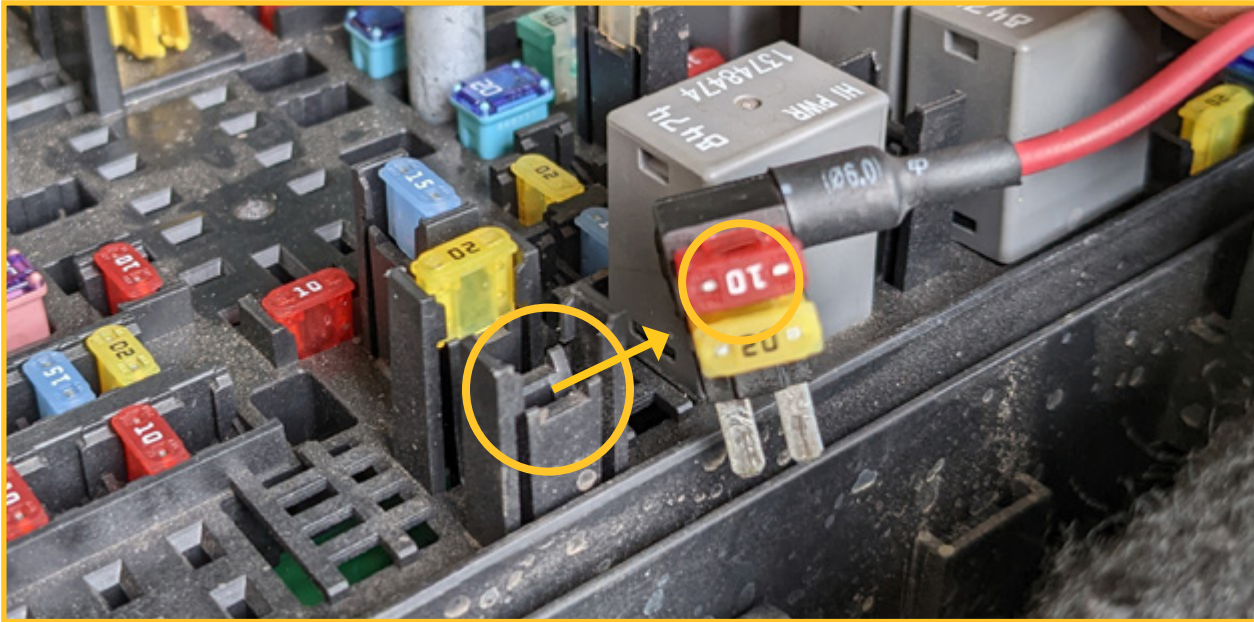


FIGURE 16

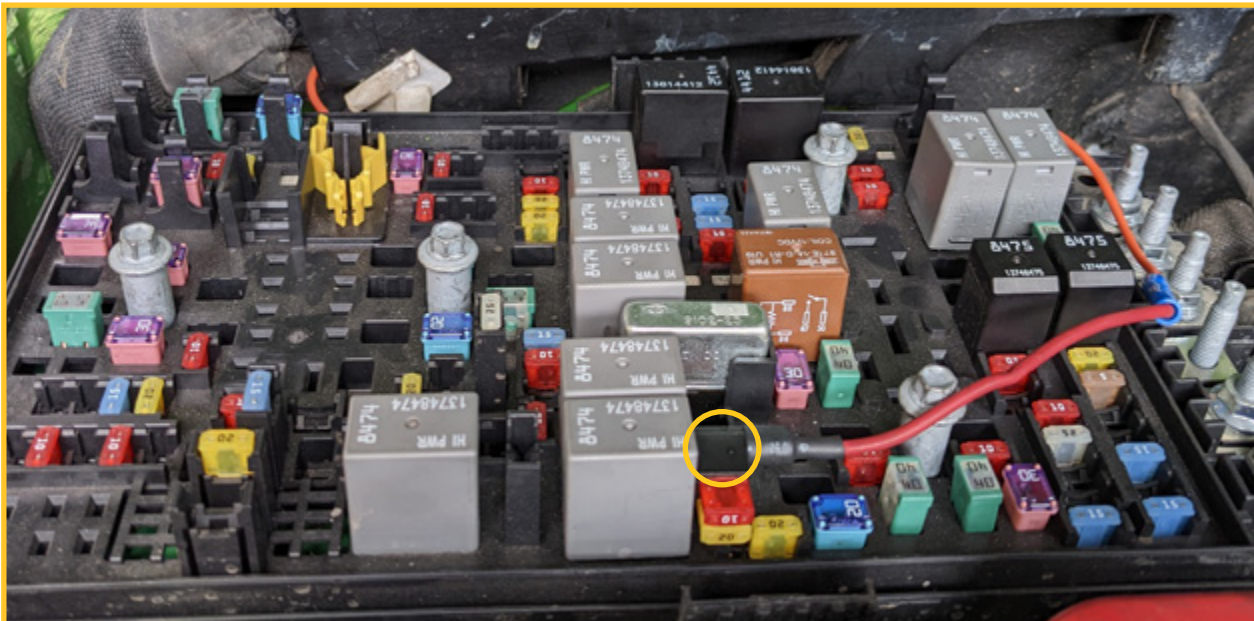


FIGURE 17

10. Crimp butt splice to connect battery power wire to 30A fuse holder. Install heat shrink over crimp. (Figure 18)

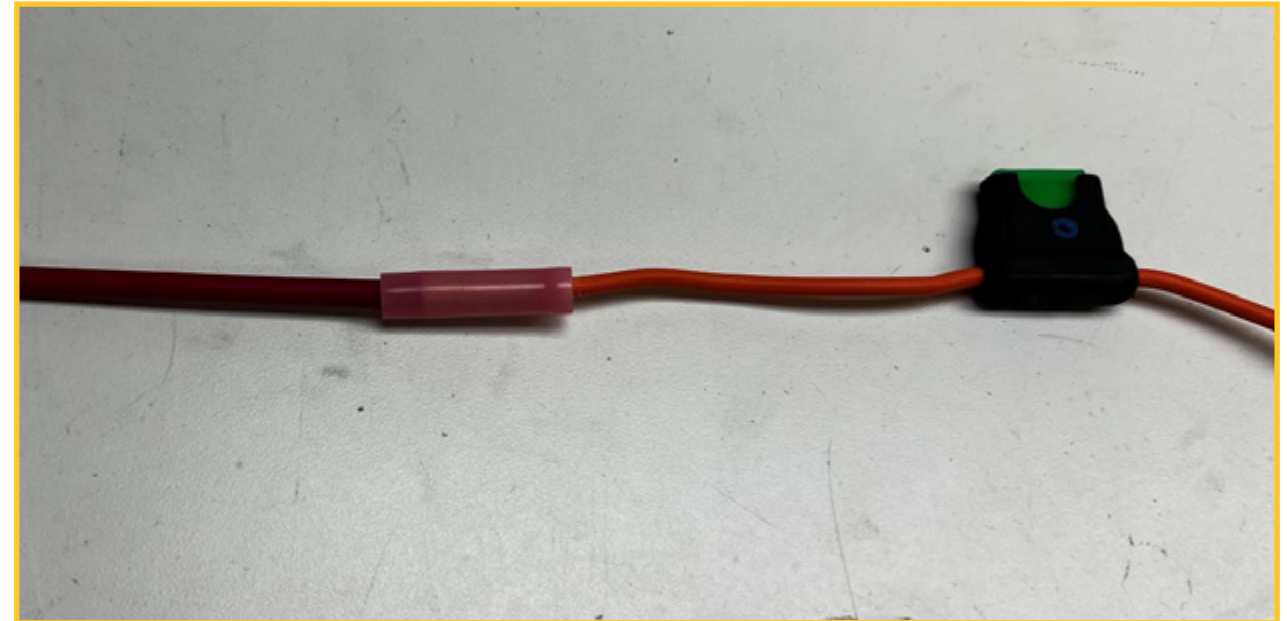


FIGURE 18

11. Crimp copper ring terminal to open fuse blade wire end and install heat shrink over crimp. (Figure 19)
Take the power wire with the 30 AMP fuse installed.
Lay the fuse on top of the battery and route remaining wire along the passenger side frame rail to the compressor bracket. **Do not connect to battery at this time.**



FIGURE 19



12. Crimp copper ring terminal to ground wire end and install heat shrink over crimp. (Figure 20)



FIGURE 20



FIGURE 23
(USE BLUE LOCTITE WHEN INSTALLING THE M8 FASTENERS TO THE FACTORY CROSSMEMBER)

13. Install the lower tank bracket to the upper tank bracket using the supplied hardware. Two bolts in the front of the brackets utilize factory threaded holes in the transmission cross-member for 2020-2023 models. (Figure 21, 22, 23)



FIGURE 21



FIGURE 22

2024-later models may not have threaded holes. For these models, two Rivet Nuts are included with this kit. Use a riv-nut tool or similar to secure. (Figure 24)



FIGURE 24



NOTE: Finish tightening the upper tank bracket mounting bolt at this time.

14. Attach pressure relief valve to exposed bulkhead on lower bracket. (Figure 25)

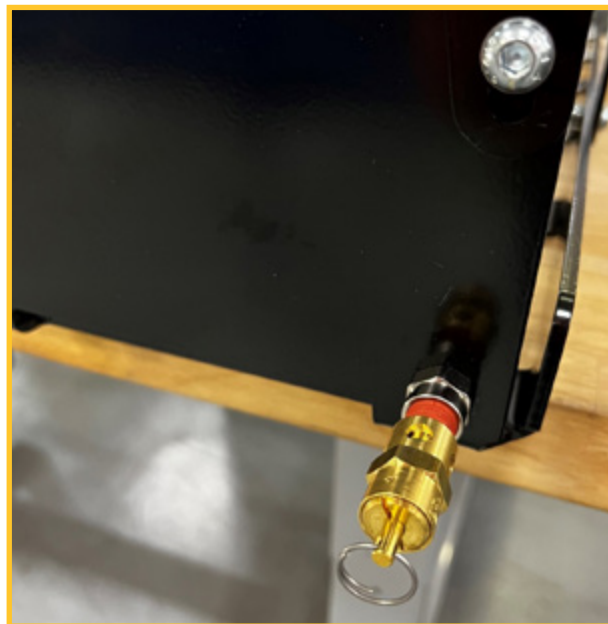


FIGURE 25

15. Ground the pressure switch to the stud located on the top bracket using supplied washer and Nyloc nut. (Figure 26)



FIGURE 26

16. Run 3/8" tubing from PTC on the compressor leader hose to the air tank. (Figure 27)



FIGURE 27

17. Run the 3/8" tubing from the intake of the compressor to the air box area under the hood and install ViAIR compressor filter. (Figure 28)



FIGURE 28



18. Run 1/4" tubing from the front of the air tank through the rubber grommet inside the cab. (Figure 29)



FIGURE 29

19. Reinstall carpet and plastic tray & bolt box removed in Step 1. Mount regulator bracket in OE tray under left rear seat with the two T-40 bolts toward the outside. Trim and attach 1/4" air line to regulator. When complete it will appear as shown. (Figure 30)



FIGURE 30

20. Connect ring terminal left disconnected in Step 11 to one of the available studs on the positive battery cable and cover with rubber OE insulator. (Figure 31)



FIGURE 31

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.

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 should be adequate but that can vary.

ACCUAIR

SUSPENSION



TROUBLESHOOTING & TECHNICAL SUPPORT

MORE INFO?
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