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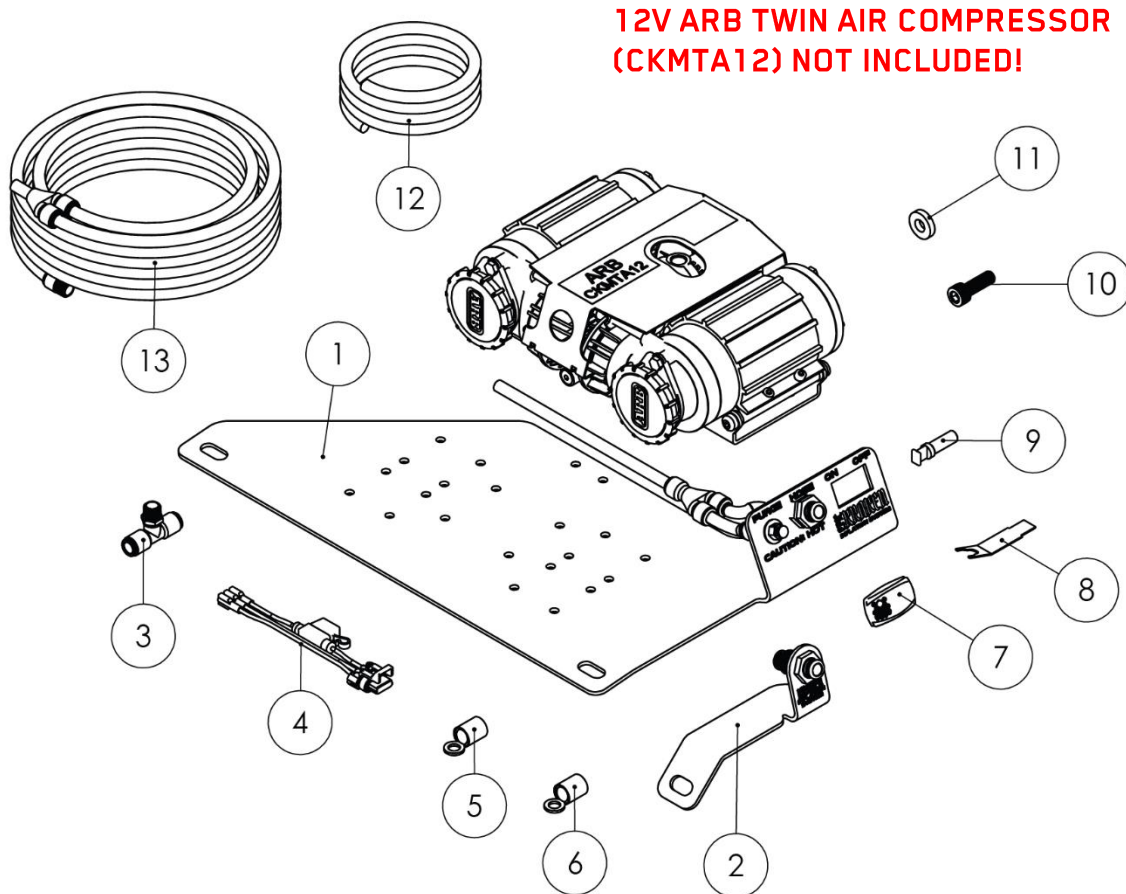
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INSTALLATION GUIDE:

KRAKEN TIRE INFLATION SYSTEM

2018+ JEEP WRANGLER (JL/JLU) / 2020+ JEEP GLADIATOR (JT)



**12V ARB TWIN AIR COMPRESSOR
(CKMTA12) NOT INCLUDED!**

ITEM #	QTY	DESCRIPTION
1	1	JL/JT Under Seat Compressor Mounting Plate, Pass Side, Black
2	1	JL/JT Under Seat Air Bulkhead Mounting Plate, Driver Side, Black
3	1	Tee Fitting for 3/8" OD Tube
4	1	Plug & Play ARB Twin Compressor Fused Power Switch Harness
5	1	8AWG 3/8" Ring Terminal, Heat-Shrink, Red
6	2	10AWG 3/8" Ring Terminal, Heat-Shrink, Yellow
7	1	Kraken Rocker Switch Cover
8	1	Rocker Switch Cover Removal Tool
9	2	Removable 3/8" OD End Plug, Red
10	2	M10x30mm, 1.5 Thread, Socket Head Bolt, Class 12.9, Black Oxide
11	2	M10 Flat Washer, Black Oxide Steel, 10mm ID, 23mm OD
12	1	60" Length, 3/8" OD Crossover Tube, Black
13	2	96" Length, Dual Tire Air Hose & QD Fitting Assembly, Blue
N/A	1	Kraken Air Hose Storage Bag by Adventure Trail Gear



INSTALL VIDEO



Before you begin, please go fetch yourself a refreshing beverage out of the fridge and take a seat. Once hydrated and comfortable, please watch our Jeep JL/JT Kraken Tire Inflation System installation video for an overview of the installation, along with some helpful tips and tricks from The Ginger. This written installation guide contains many helpful tips, tricks, and diagrams that may be missed in the video, so please follow along with this document during your installation.



[JL/JT KRAKEN INSTALLATION VIDEO \(YOUTUBE\)](#)

If you're looking to take your Kraken system to the next level, we offer an optional Kraken Pressure Control Upgrade (PCU) kit which allows for automated inflation of all four tires to your desired tire pressure, with presets that are fully configurable via an app on your smartphone. Please see our website for more information and the installation instructions for this upgrade kit, to be used side-by-side with this install guide.

[JL/JT KRAKEN PRESSURE CONTROL UPGRADE KIT
\(EPIC-4WD.COM\)](#)

Flip the page when you're ready to RELEASE THE KRAKEN!



CHAPTER 1

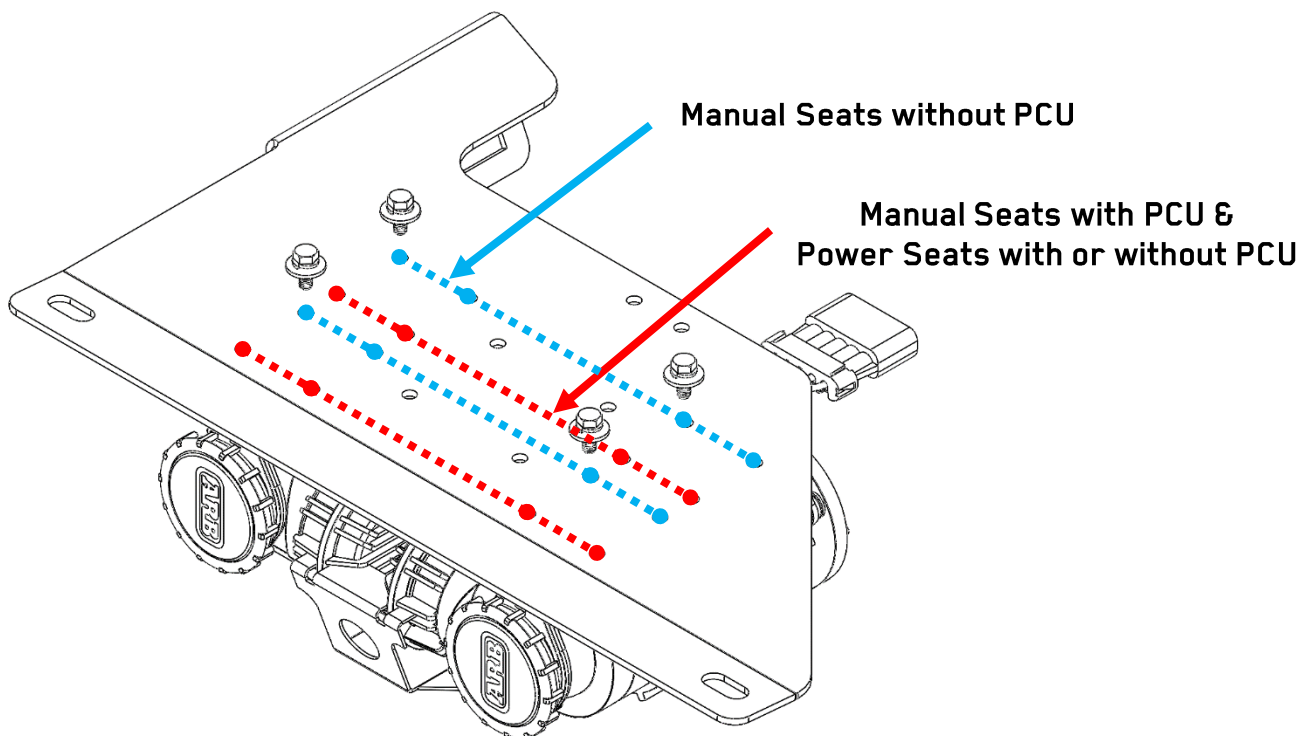


COMPRESSOR MOUNTING

Install the ARB Twin Compressor onto the supplied Under Seat Compressor Mounting Plate using the four M6x20mm hex head bolts, lock washers and flat washers supplied by ARB. This is easily done with the compressor flipped upside-down on a table as shown below. There are two compressor mounting positions, to be used for your specific application. Tighten all four bolts until snug using a 10mm socket or wrench.

The forward-most mounting position is to be used for vehicles with manual-adjustable front seats, when the optional Kraken Pressure Control Upgrade (PCU) kit has not been purchased.

The rearward mounting position is for vehicles with power-adjustable front seats and/or those that have purchased the optional PCU kit.

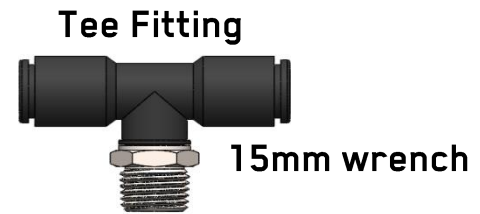
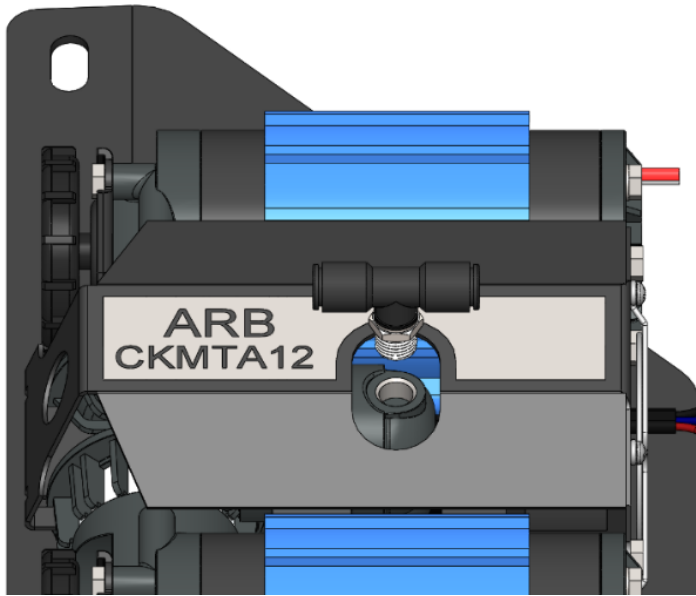


EPIC TIP: This is best time to install the two ARB air filter elements included with the compressor. These filters screw in by hand, so be careful not to over-tighten!

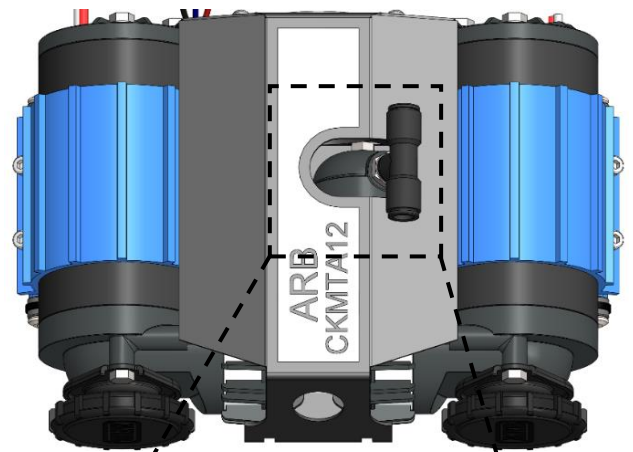


COMPRESSOR PREPARATION

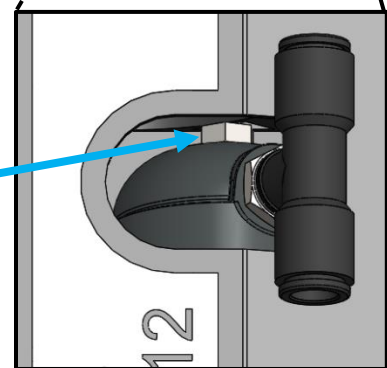
Install the supplied tee fitting into the ARB compressor manifold using a 15mm open-end wrench. Tighten until snug (please use your best judgement here). Please note, the tee fittings ship with thread sealant pre-applied, so there is no need to apply any additional sealant.



With the tee fitting installed, rotate the upper plastic portion of the fitting to reveal the manifold orientation adjustment bolt head inside the compressor. Using a 10mm open-end wrench, loosen this bolt and rotate the tee fitting down as far as possible to have the lowest profile. Tighten the adjustment bolt until snug. This slight adjustment must be done to provide the necessary clearance under the passenger seat.



Manifold Orientation
Adjustment Bolt (10mm wrench)



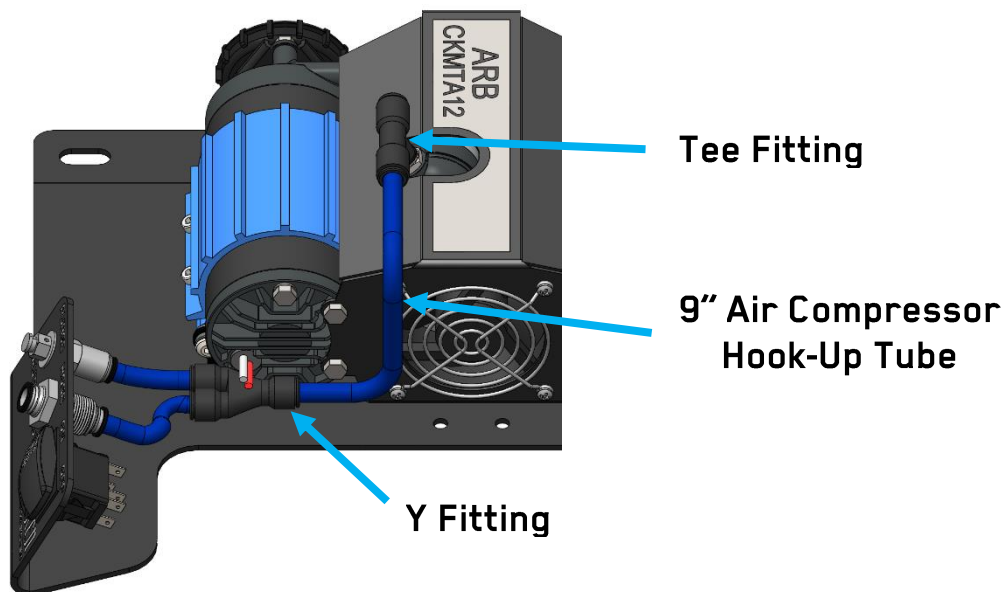


COMPRESSOR PREP CONTINUED

If your vehicle has manual or power seats and you are installing the optional Pressure Control Upgrade (PCU) kit, please ignore the tubing connections shown below, in favour of the appropriate tubing configuration shown in the written PCU Installation Guide available on our website.

MANUAL & POWER FRONT SEATS **WITHOUT** PRESSURE CONTROL UPGRADE (PCU) KIT:

Insert the 9" air compressor hook-up tube into the front-facing outlet on the tee fitting (as shown below). Ensure that the tubing is fully seated to prevent the possibility of any air leaks later.



MANUAL & POWER FRONT SEATS **WITH** PRESSURE CONTROL UPGRADE (PCU) KIT:

If you have purchased the optional Kraken Pressure Control Upgrade (PCU) kit, now is the ideal time to assemble the ARB Pressure Regulator Assembly and the appropriate tubing. Please see the latest PCU Installation Guide on our website for more information on the assembly and installation of the ARB Pressure Regulator onto the Under Seat Compressor Mounting Plate.

[JL/JT KRAKEN PRESSURE CONTROL UPGRADE KIT \(EPIC-4WD.COM\)](http://EPIC-4WD.COM)

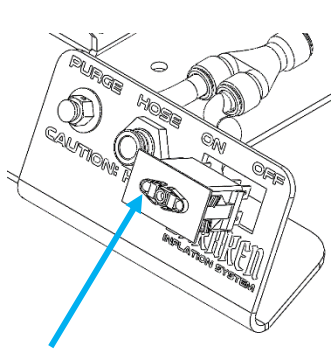


CHAPTER 3

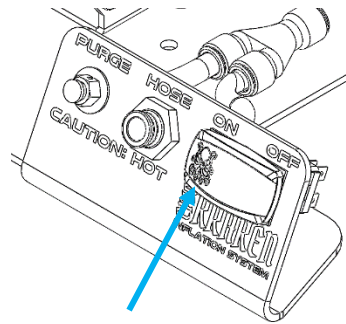


ELECTRICAL PREPARATION

Locate the power rocker switch supplied with your ARB twin compressor. We have included a Rocker Switch Cover removal tool to remove the ARB-supplied switch cover. To use this tool, simply insert the thin end in-between the switch cover and switch body, then push towards the center of the switch and the cover should pop off. Now install the rocker switch body into the mounting plate using even pressure until fully seated, making sure that the arrows on the rear of switch point towards the ON label. You can now install the supplied Kraken rocker switch cover, with the Kraken logo located underneath the ON label.



Switch Backlight

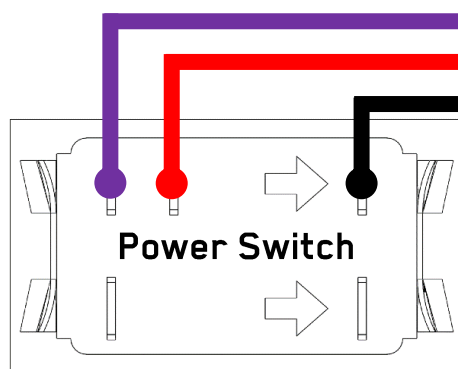


Kraken Logo
(Switch & Cover Installed)

Rocker Switch Cover Removal Tool



Find the plug & play ARB twin compressor power switch wiring harness supplied in the Kraken kit. Connect each of the single wire pigtails to the appropriate terminals on the backside of the power rocker switch – per the power switch wiring diagram shown below. Failure to connect these properly may result in damage to the air compressor, and/or vehicle’s electrical system. If you are installing the optional Pressure Control Upgrade (PCU) kit, please refer to the supplemental installation guide for detailed information on the installation of the power piggyback terminals included in that kit.



PURPLE (LOAD)
ORANGE or RED (SUPPLY - 2A FUSED)
BLACK (GND)

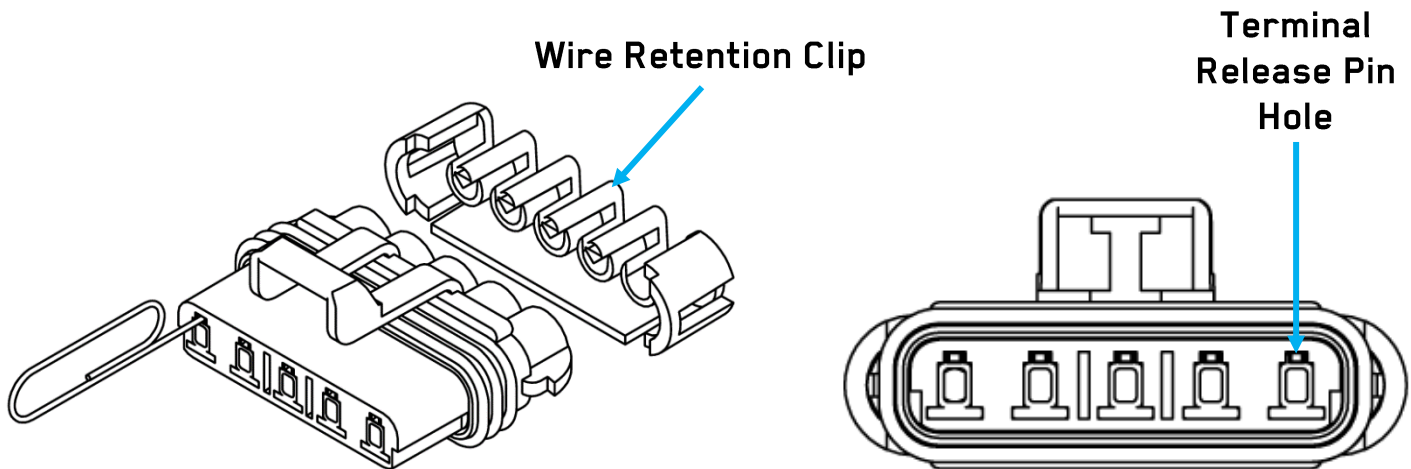
EPIC TIP: There are two arrows on the back of the ARB rocker switch body that must point towards the compressor once installed.

Now, plug the 3pin connector on the opposite end of this harness into the mating connector on the ARB twin compressor.



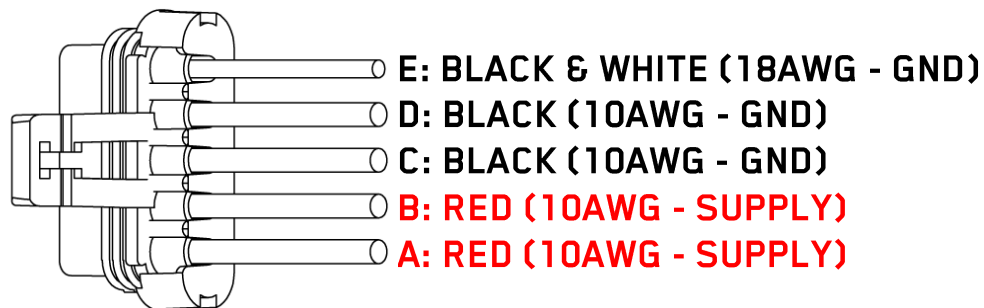
ELECTRICAL PREP CONTINUED

Grab the ARB twin compressor power harness. The compressor side of this harness uses a 5pin connector that is too large to enter the cabin of your Jeep without drilling a huge hole. Therefore, let's disassemble this connector to make the cable routing process much easier. Start by removing the black wire retention clip on the back of the connector (there are two tabs on either side of the connector that hold this piece in place). Using a small slotted screwdriver or pry tool, simply pry outward on the clip, one side at a time, until it is free.



Next, using a paperclip or thin terminal removal tool, depress the terminal locking pins by pressing into the small release hole above each pin on the connector (as shown above). Gently pull the wire out from the rear of the connector while the release pin is depressed. You should not need much force to remove these pins. Place the connector body and wire retention clip somewhere safe, for re-assembly later (diagram below).

5Pin Connector Wiring Diagram (Rear View)



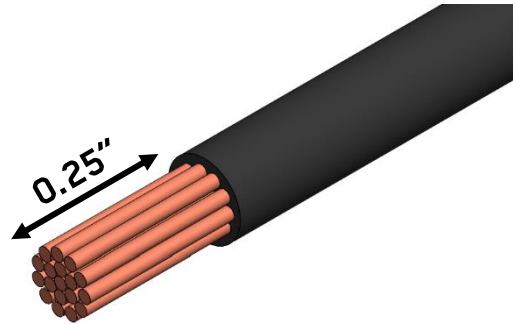


CHAPTER 5



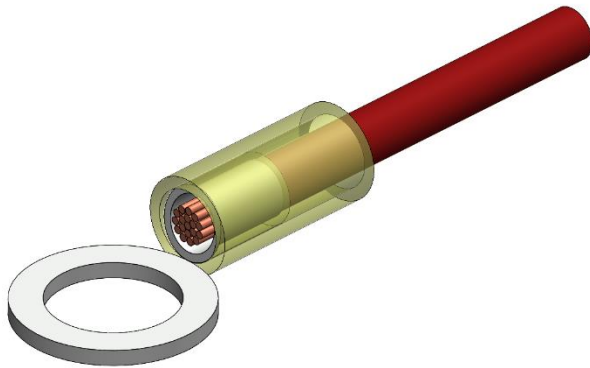
ELECTRICAL PREP CONTINUED

On the other end of the ARB twin compressor power harness, it is time to install the supplied ring terminals. Using wire strippers, or a sharp knife, remove approximately 0.25" of insulation on all positive wires (RED) and ground wires (BLACK).

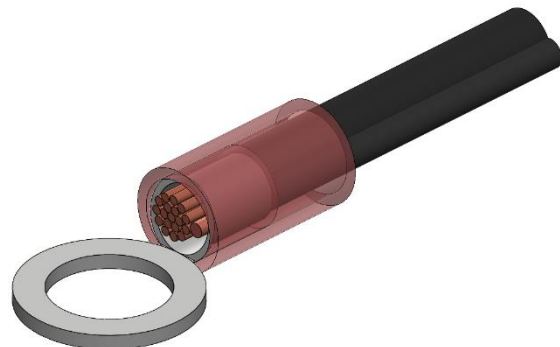


Locate the three ring terminals supplied in the Kraken Installation Supplies kit. Crimp each red positive wire to a single 10AWG ring terminal. Combine both black ground wires into one 8AWG ring terminal and crimp tightly.

Positive Ring Terminals (Yellow)
One 10AWG Wire Each



Ground Ring Terminal (Pink)
One 8AWG Wire &
One 18AWG Wire



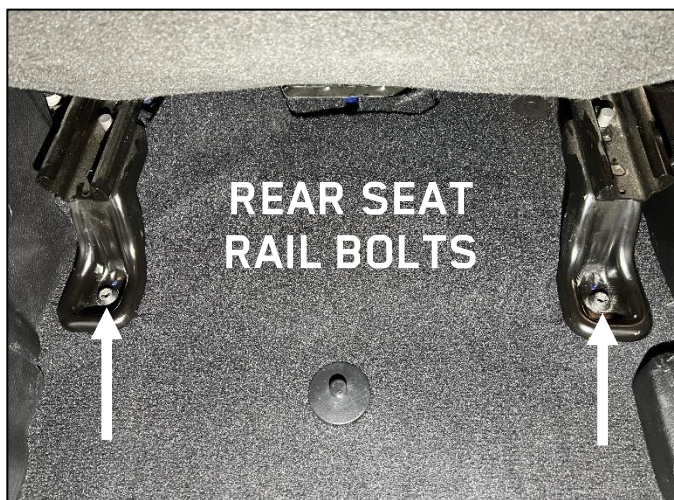
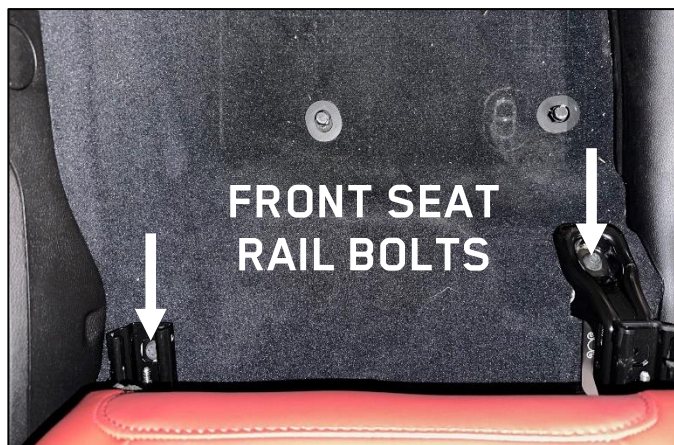
EPIC TIP: The supplied ring terminals have a heat shrink adhesive inner lining, so be sure to heat them up with a heat gun or lighter until the adhesive melts to form a weather-tight connection!



VEHICLE INTERIOR PREP

If you own a Wrangler JL, you will need a T50 torx bit to remove the front seat rail bolts. If you own a Gladiator JT, you will need an E12 external torx socket to remove these bolts.

With the appropriate tool in hand, remove the two frontmost front passenger seat rail bolts first. Then slide the seat bottom all the way forward (and upward if powered) and remove the two rearmost seat rail bolts using that same torx bit or socket.

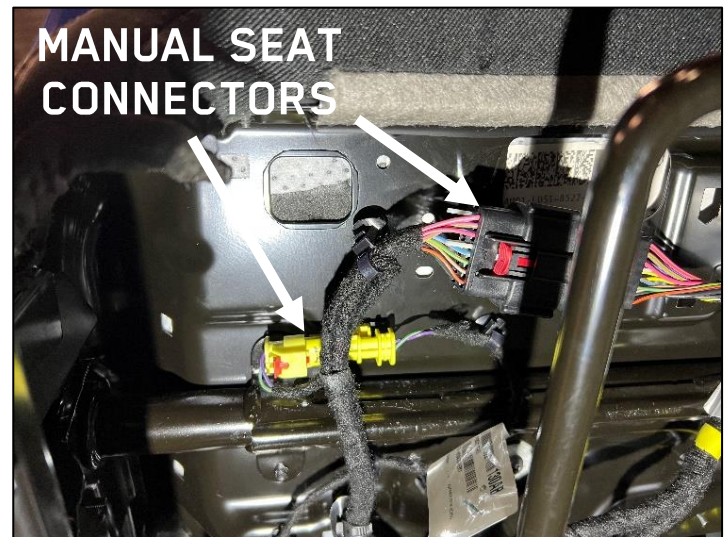


With all four seat rail bolts removed, you will need to tilt the front passenger seat towards the rear of the vehicle for better access to the working area. Be careful not to put any unnecessary strain on the attached seat wiring harness during the initial tilt off the floor, as it may be wrapped underneath the plastic HVAC duct that runs under the seat.



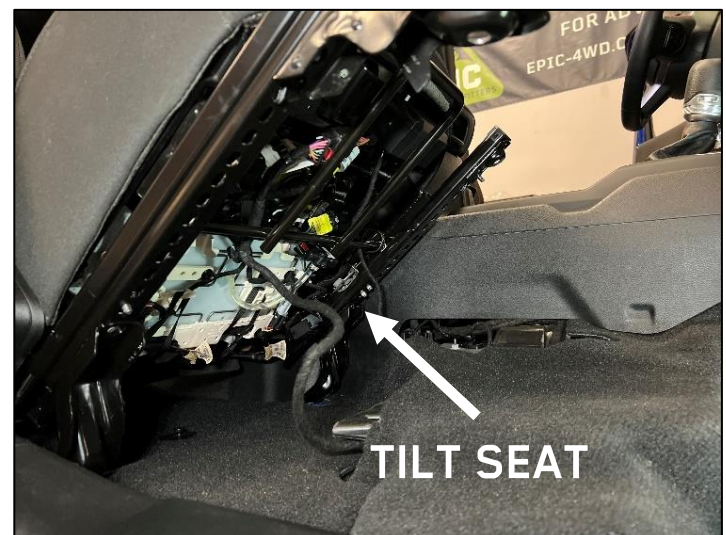
VEHICLE INTERIOR PREP

Carefully work with this harness to create slack and prevent any straining on the wiring or connections. We recommend using an interior trim clip removal tool to remove the harness retaining clips that hold the seat wiring harness to the bottom of the seat frame and freeing the main connector from the seat frame, without unplugging the seat.



In almost all cases, it is not necessary to disconnect any of the seat connectors, so long as you have created enough slack in the wiring harness to allow for the entire seat to tilt into the rear of the cabin.

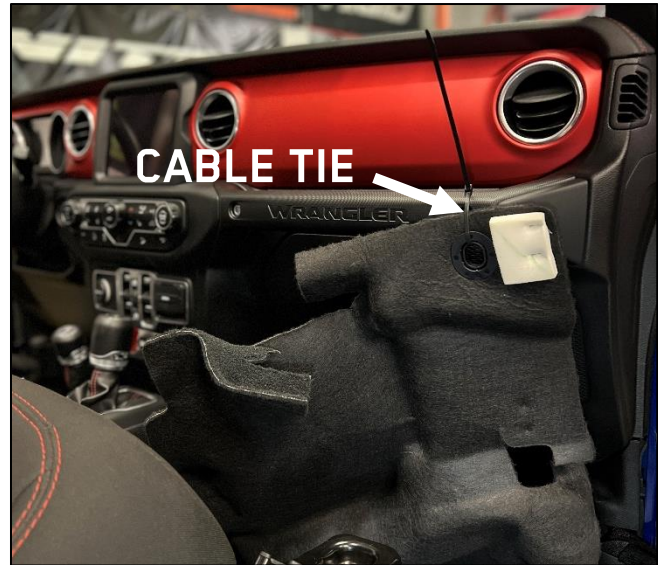
The entire seat assembly should now easily tilt into the rear of the cabin and rest on the rear seat as shown.



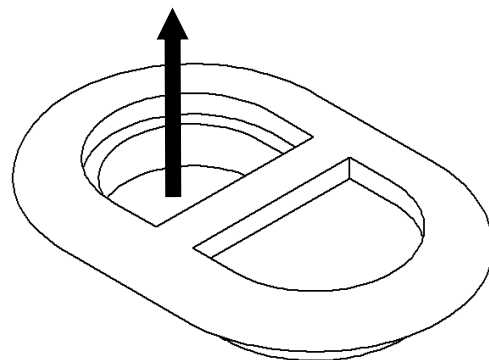


VEHICLE INTERIOR PREP CONTINUED

With the passenger seat out of the way, lift up on the rear carpet overlap retaining clip (shown below) for access under the front floorboard carpet. Pull the front passenger carpet out from underneath the plastic trim to reveal the factory drain plug in the floor and rear HVAC duct. It is not necessary to fully remove this piece of carpet from the vehicle. We suggest using a cable tie to secure the carpet to the grab handle if it is getting in your way.



Remove the factory rubber drain plug under the passenger seat carpet. Carefully cut out a D-shaped hole in one side of the rubber plug to accommodate the air compressor power wiring harness.

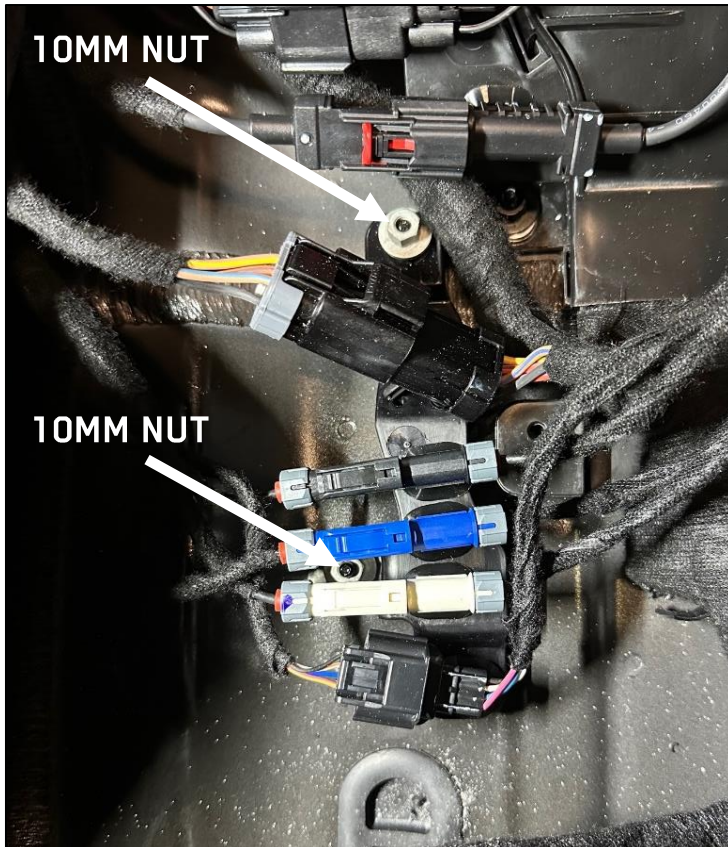


EPIC TIP: Side cutters make quick work of the drain plug, as does a sharp knife. **WATCH THOSE FINGERS!**

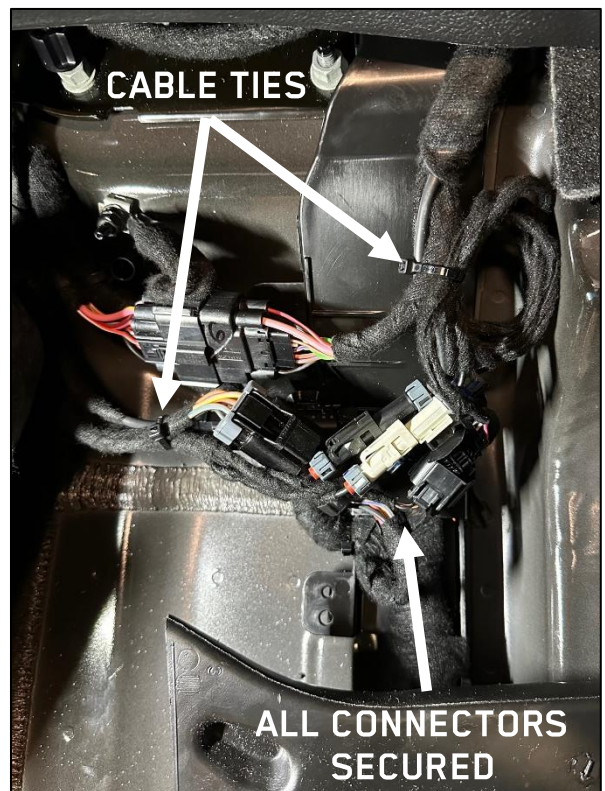


VEHICLE INTERIOR PREP CONTINUED

For vehicles equipped with the optional front TrailCam camera, you will need to remove the camera connector bracket that is located underneath the plastic HVAC ducting. Carefully remove each connector clip from the black plastic bracket beneath using an appropriate trim removal tool. Remove the two 10mm nuts securing the bracket to the floor and remove the bracket.



Secure all five loose connectors neatly onto the body wiring harness that runs across the floor of the vehicle and underneath the center console using cable ties supplied in the kit.

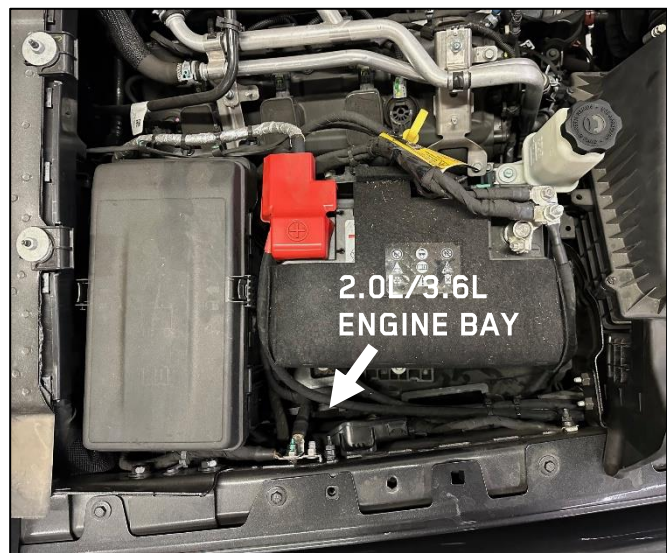




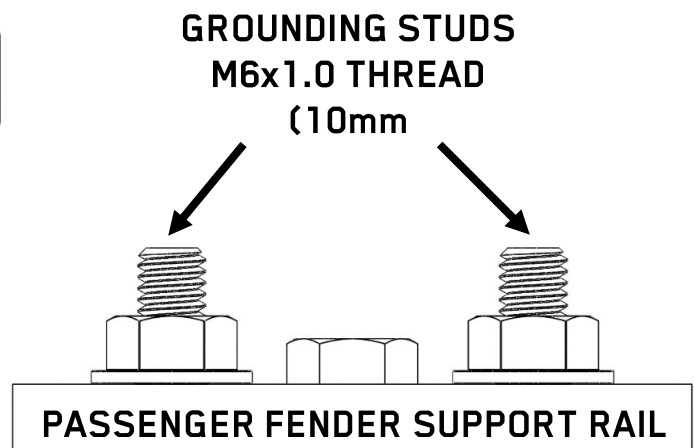
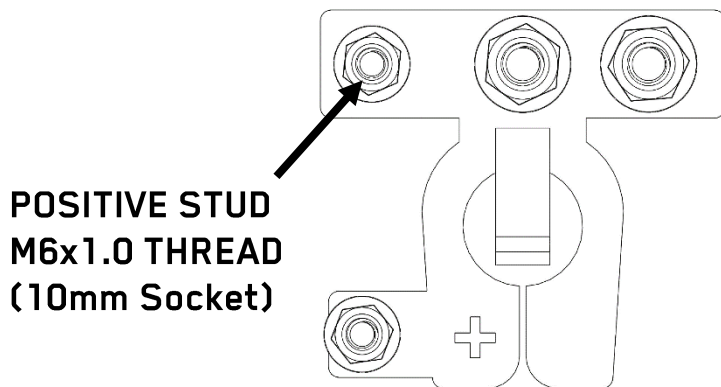
COMPRESSOR POWER HARNESS ROUTING

VERY IMPORTANT: REMOVE BOTH 40A FUSES FROM THE ARB POWER HARNESS BEFORE PROCEEDING! SET THESE BOTH FUSES ASIDE FOR RE-INSTALLATION AT THE END.

In the engine bay, carefully feed the de-pinned end of the ARB compressor power harness down the open gap in the rear corner of the battery tray (which differs between models) and the inside fender support rail - both locations are shown below.



Connect both positive (RED) wires to the rearmost stud on the factory battery positive terminal (10 mm socket). Connect the combined ground wire (BLACK) to any accessible grounding stud on the passenger side fender support rail using a 10mm wrench or deep socket.



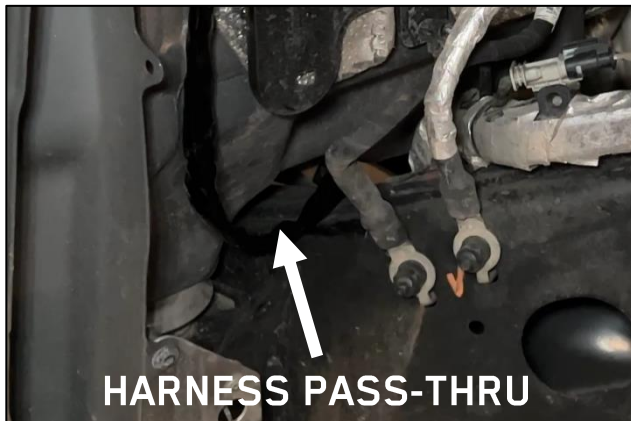


COMPRESSOR POWER HARNESS ROUTING

Reach up through the bottom of the front passenger plastic inner fender liner to route the ARB harness along the firewall, behind the factory harness, and under the body. Secure the ARB compressor power harness to the factory wiring harness with a few cable ties. Please note that the plastic inner fender liner does not need to be removed to access this area.



Continue to route the compressor power harness towards the rear of the Jeep, running over top of the frame rail and along the factory harness under the passenger floorboard (as shown below). Carefully feed the harness up into the cabin through the drain plug hole exposed earlier. At this point, we suggest fully securing the harness to the factory harness underneath the vehicle with several cable ties (as shown below).



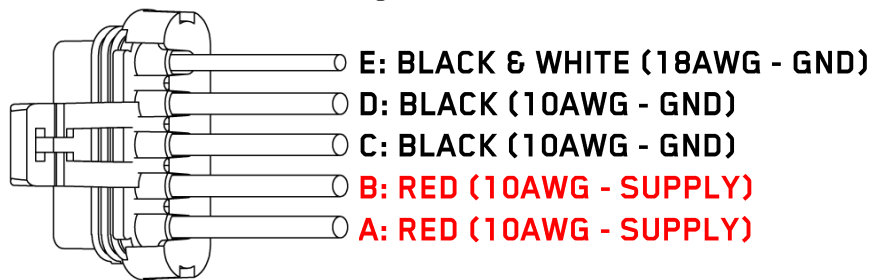
EPIC TIP: On EcoDiesel & 392 models, the ARB Power Harness should be routed through the front body mount, then along the outside of the frame rail as to avoid additional heat from the exhaust system.



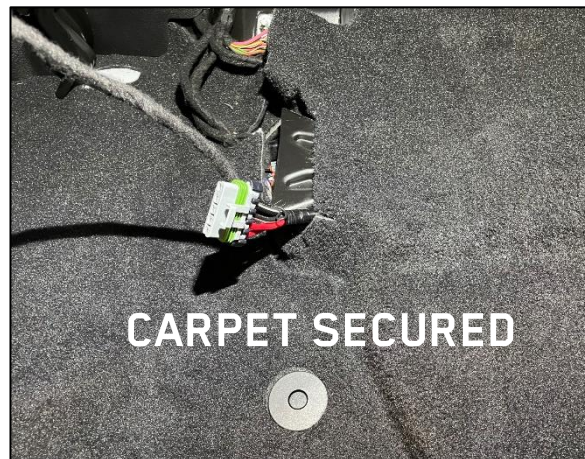
COMPRESSOR POWER HARNESS ROUTING

With the ARB power harness inside the cabin, carefully feed the individual pins through the hole in the rubber drain plug that you made earlier. You can now re-insert all pins into the appropriate slots in the 5pin connector, referencing the diagram below. Each pin should make a subtle “click” sound when seated correctly. If the terminals do not lick once seated, you may need to reset the locking tab found on the top of each terminal. Failure to re-install these wires properly may result in damage to the air compressor, and/or vehicle’s electrical system. Re-install the wire retention clip that was removed earlier.

5Pin Connector Wiring Reference (Rear View)



Using the provided cable ties, secure the harness along the underside of the factory plastic HVAC duct, facing towards the rear. We recommend placing a patch of duct tape over top of the drain plug to further seal the cabin from the elements.

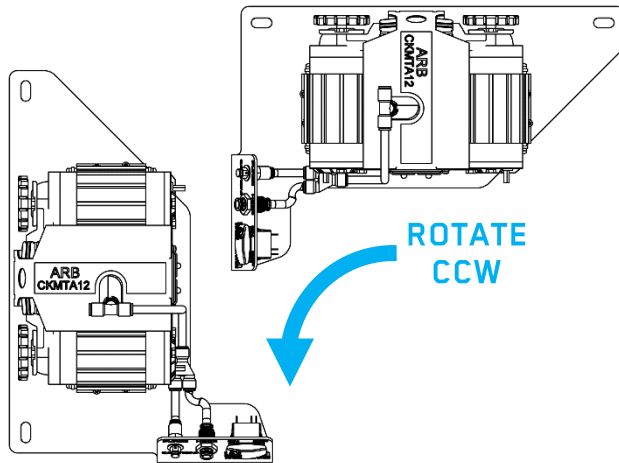


Re-install the front carpet, being careful to tuck the edges under all trim pieces as you go. An interior trim removal tool works great to help tuck the edges of the carpet under the plastic trim panels. The seat wiring harness and ARB compressor power harness connections should be easily accessible once the carpet is secured in place.

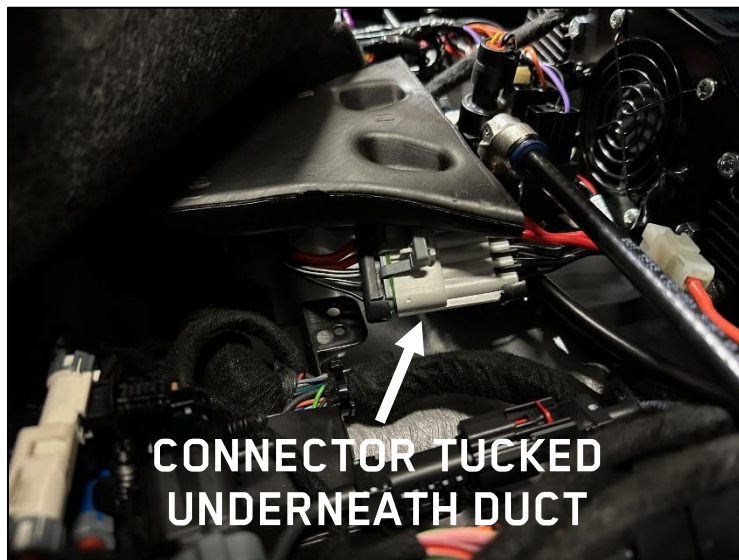


COMPRESSOR INSTALLATION

With the carpet re-installed, carefully place the assembled Kraken Air Compressor Mounting Bracket into position under the passenger seat. We find it easiest to rotate the entire assembly into position using a counterclockwise twisting motion from the front, as depicted below.



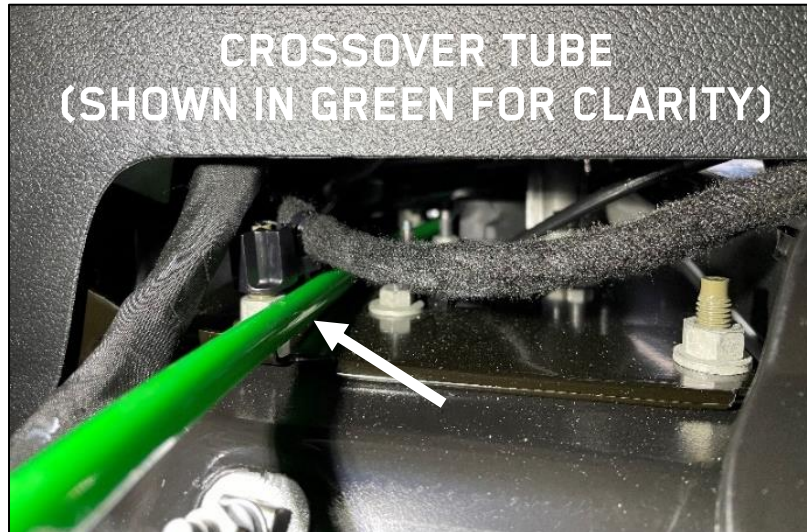
Plug-in the 5pin ARB compressor power harness connector to the compressor, making sure that the connector locks into place. Then tuck the 5pin connector underneath or above the plastic HVAC duct, as to avoid blocking airflow from exiting the ducting.



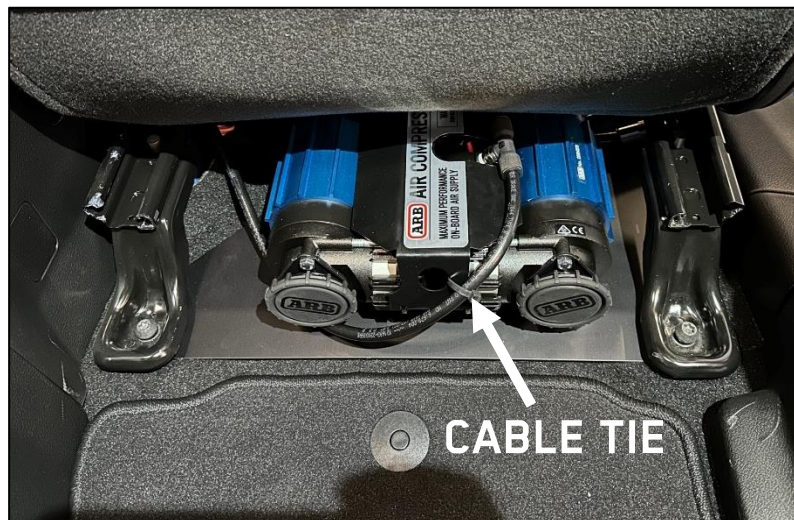


COMPRESSOR INSTALLATION CONTINUED

Locate the long 60" crossover piece of black tubing supplied in the EPIC Kraken kit and carefully route it through the open channel under the center console from the passenger side to the driver side. It is best to run this tube straight through the channel, as close to the rear as possible. Be cautious not to route this tubing through the parking brake handle mechanism - test the parking brake handle to be sure that the tube has not been caught inside.



Plug-in the crossover tube into the tee fitting on top of the compressor from the rear (as shown below), or directly into the appropriate fitting on the Pressure Control Regulator Assembly if installing the PCU.



A cable tie should be used to secure the crossover tube against the compressor cover plate to prevent unwanted movement and damage.

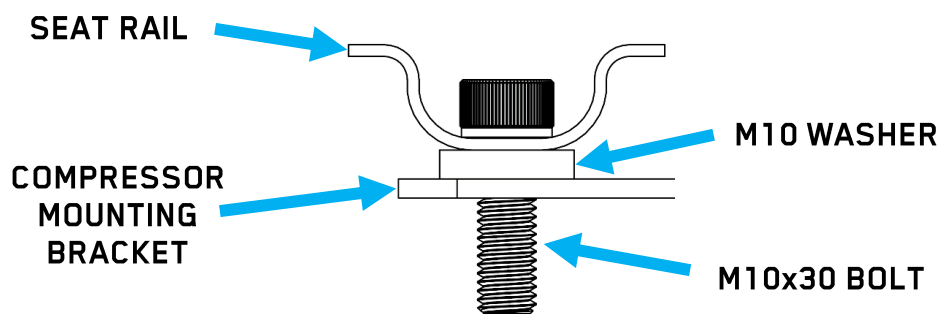


COMPRESSOR MOUNTING CONTINUED

Carefully lower the passenger seat into position over top of the air compressor. Reconnect any seat wiring harness connectors and clips removed earlier. Align the rear seat mounting holes with the slotted holes in the compressor mounting plate (as shown below).



If your vehicle is equipped with power seats, install one of the provided M10 Flat Washers underneath each rear seat mounting rail, on top of the Kraken Compressor Mounting Bracket to raise the rear of the seat slightly. It is not necessary to install these washers if your vehicle has manual seats.

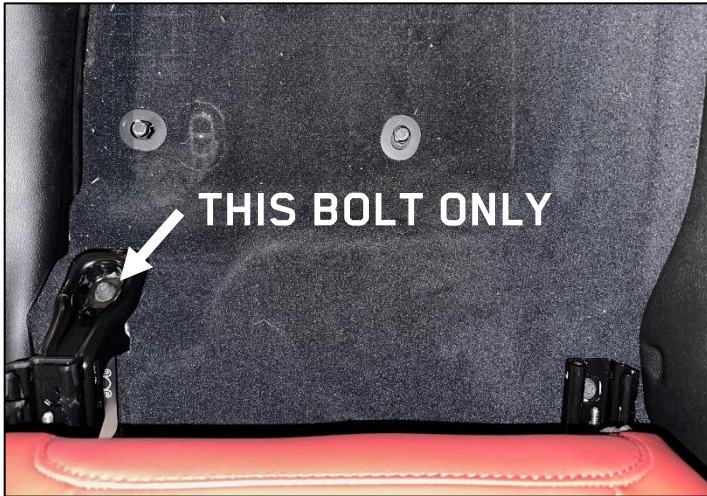


Two new M10x30 bolts have been provided in the kit (8mm hex bit) to be used in place of the factory hardware at the rear of the seat rail only. Start the two new rear seat rail bolts by hand – do not fully tighten yet. Slide the seat to the rear-most position to access the front seat mounting holes. Start the two front factory seat rail bolts by hand. Now tighten all four seat rail bolts and final torque to 35ft/lbs.



DRIVER SEAT BRACKET INSTALLATION

Now that you're done with mounting and connecting the ARB twin compressor under the passenger seat, it's time to install the air outlet under the driver seat. Remove the front outermost seat rail bolt (as shown below). Carefully lift this corner of the seat rail and slide the supplied Kraken Driver Side Air Bulkhead Bracket in-between the seat rail and the floor. Re-install the factory bolt and torque to 35ft/lbs (factory spec).



Plug in the long crossover tube to the rear of the air bulkhead fitting (as shown below). This can be done before or after the seat and bracket are in final position. Feel free to trim the crossover tube with a knife or pair of scissors if you feel that it is too long.



Just a few finishing steps to go...



CHAPTER 10



WRAP-UP

Please verify that the Kraken power switch is in the off position prior to re-installing the fuses in the ARB power harness.



Re-install the two 40A fuses removed earlier. Flip the Kraken power switch to the ON position and listen to those compressors roar to life!

If you have installed the PCU alongside your Kraken System, please refer to our separate PCU Installation Guide for the recommended ARB Compressor Connect App configuration/settings.

Don't forget to re-install any floor liners that were removed earlier and trim off your cable ties flush. It may be necessary to trim your rear floor liner to clear the compressor air filters.



If you have the factory Mopar All-Weather rubber floor mats, we recommend that you trim the passenger rear floor mat along dashed line shown above using a sharp knife or scissors.



THE END



INSTALL COMPLETE

We knew that you could do it!

Please reach out to us for support if you have any questions or concerns with the installation or operation of your new Kraken Tire Inflation System.

We would also love to hear your feedback on the installation process, as this information is incredibly valuable to our team as we strive to continue improving the overall user experience and operation of the system.

**PLEASE CONNECT WITH OUR TEAM VIA
EMAIL OR PHONE FOR SUPPORT:**

INFO@EPIC-4WD.COM

OR

+1-604-888-2961

THANKS FOR YOUR SUPPORT!