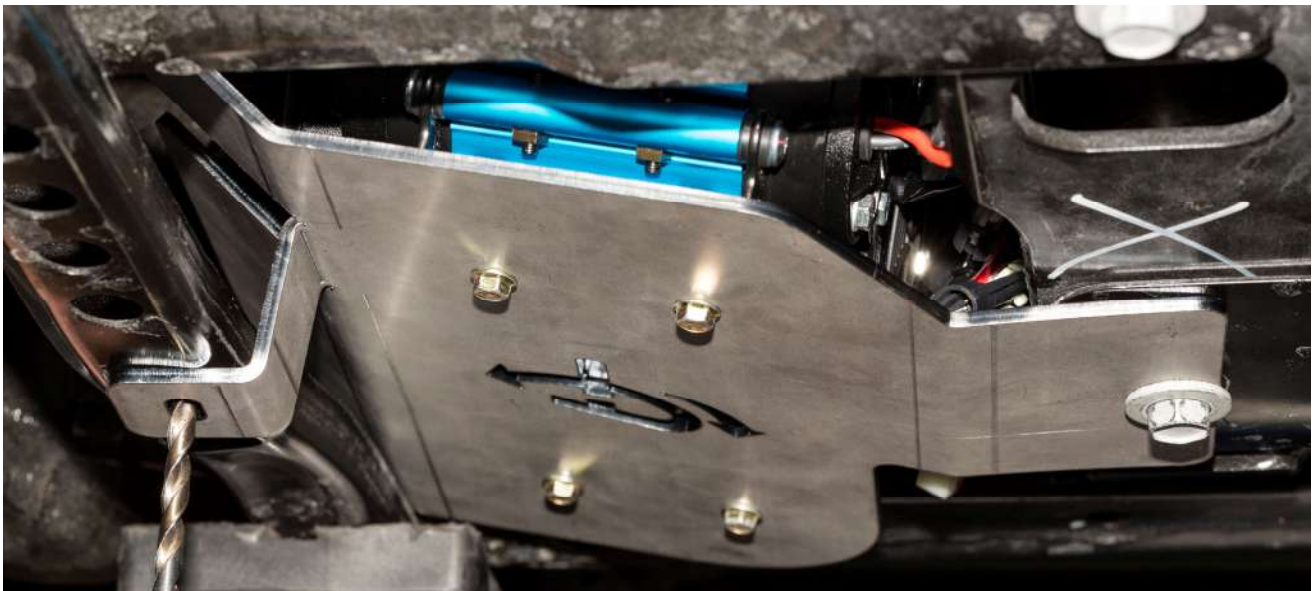




**Part# 22-1819**

**JL ARB undercarriage skid plate mount**



The most up-to-date instructions always visit [www.UpDownAir.com](http://www.UpDownAir.com)

***Air It Up!***



PLEASE TAKE A MINUTE TO READ THIS ENTIRE INSTRUCTION MANUAL BEFORE YOU START.  
WE WANT YOU TO HAVE A FUN AND EASY INSTALLATION WITHOUT HURTING YOURSELF OR YOUR JEEP.

**SAFETY PRECAUTIONS**

If you are working on the ground always use jack stands and chalk any tires touching the ground. Wear safety glasses and gloves as you will be using power tools for this installation. We recommend disconnecting the battery any time you are working on your Jeep.

**FOR BEST RESULTS ALL 4 TIRES NEED TO BE CONNECTED**

**NEVER DRIVE WITH THE WHIPS CONNECTED TO YOUR JEEP MAJOR DAMAGE CAN OCCUR!**

**IF YOUR NEW UpDownAir PRODUCT HAS DAMAGED OR IS MISSING PARTS  
PLEASE CONTACT UpDownAir CUSTOMER SERVICE DIRECTLY AT :**

**833-226-4863 option 4 or info@UpDownAir.com**

**TOOLS NEEDED**

- Cordless Drill
- 3/8" Drill Bit
- Thread Sealer  
(*Loctite 577—or Teflon tape*)
- Spray Bottle with Mild Soapy Water
- Tube Cuter or Sharp Utility Knife
- Zip ties

**3/8" Drive**

- Ratchet
- 18mm Socket
- 9/16 Socket
- 1/4" Allen Socket

\*Special cut 9 /16 socket for 90 degree installation

## Secure Jeep and Prep for Installation

This entire install can be done on the ground but jack stands or a lift will make it even easier.

1. Park your Jeep and set the parking brake.
2. Place a blanket on the edge of the roof and windshield of your Jeep and open hood the hood all the way.
3. Disconnect the negative (-) battery terminal.
4. Begin installation step 1





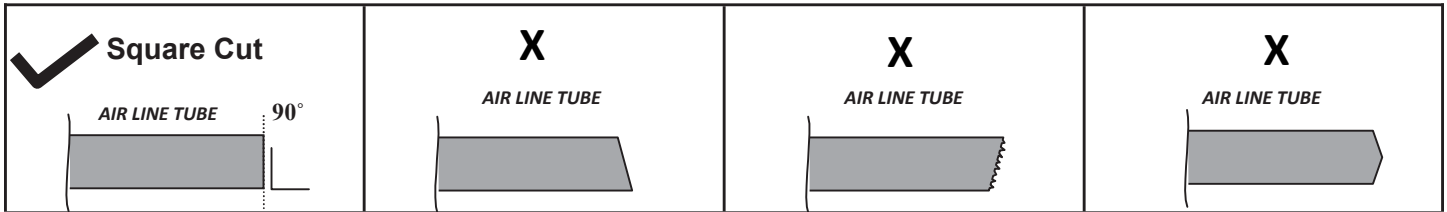
**Always:**

Use a tube cutter or sharp utility knife.

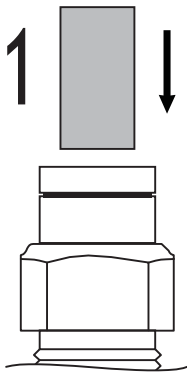
**Do Not:**

Fold or kink the Air Line Tube. Cut the Air Line Tube at an angle. Do not use pliers, scissors, snips, saws, or side cutters.

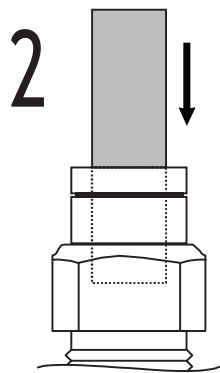
**PROPER AND IMPROPER CUTS IN THE AIR LINE TUBE**



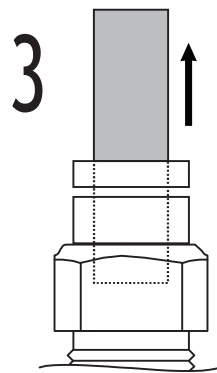
Insert end of Air Line Tube into Air Fitting.



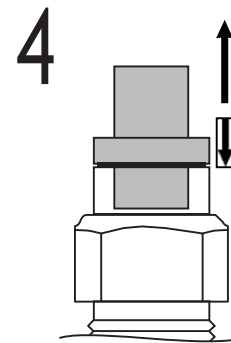
Push Air Line Tube into Air Fitting as far as possible.



Gently pull on the Air Line Tube to check for a secure fit.



To remove, push down collar and gently pull Air Line Tube away.



**Removal Tip:** Use a small open-ended wrench to push the collar down .

**Always:**

Select routes protected from heat, debris, and sharp edges. Use Nylon Ties to secure the Air Line Tube.

**Do Not:**

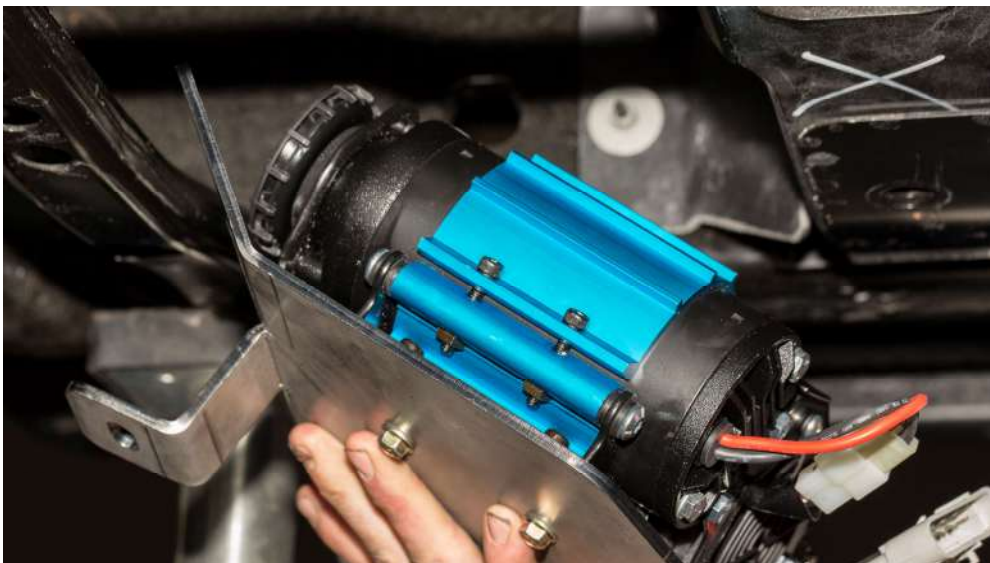
Bend or sharply curve Air Line Tubes. Leave Air Line Tube exposed to sharp edges. Use unnecessary lengths of Air Line Tube. Route Air Line Tube near moving parts. Let Air Line tube hang unsecured from vehicle. Scar Air Line Tube while routing.

Once all parts are laid out and accounted for. You will need to locate the area where we will mount the skid plate compressor bracket. The area is located under the passenger side on the jeep in front of the transmission cross member



Remove the bolt holding the factory gas tank skid plate in place

Once bolt is removed. You can now attach your ARB compressor to the bracket using supplied hardware, you will also need to install the 90 degree swivel push connect fitting so the high temperature tubing can be installed. The filters will need to be facing towards the 45 Degree bend on the skid plate bracket and the bracket will be mounted on the cross member with the bent "L" portion towards the front of the vehicle.





Once bracket is in place you can now use the OEM gas tank skid plate bolt we removed on page 4 and tighten. The remaining hole you can now mark for drilling on the front cross member brace

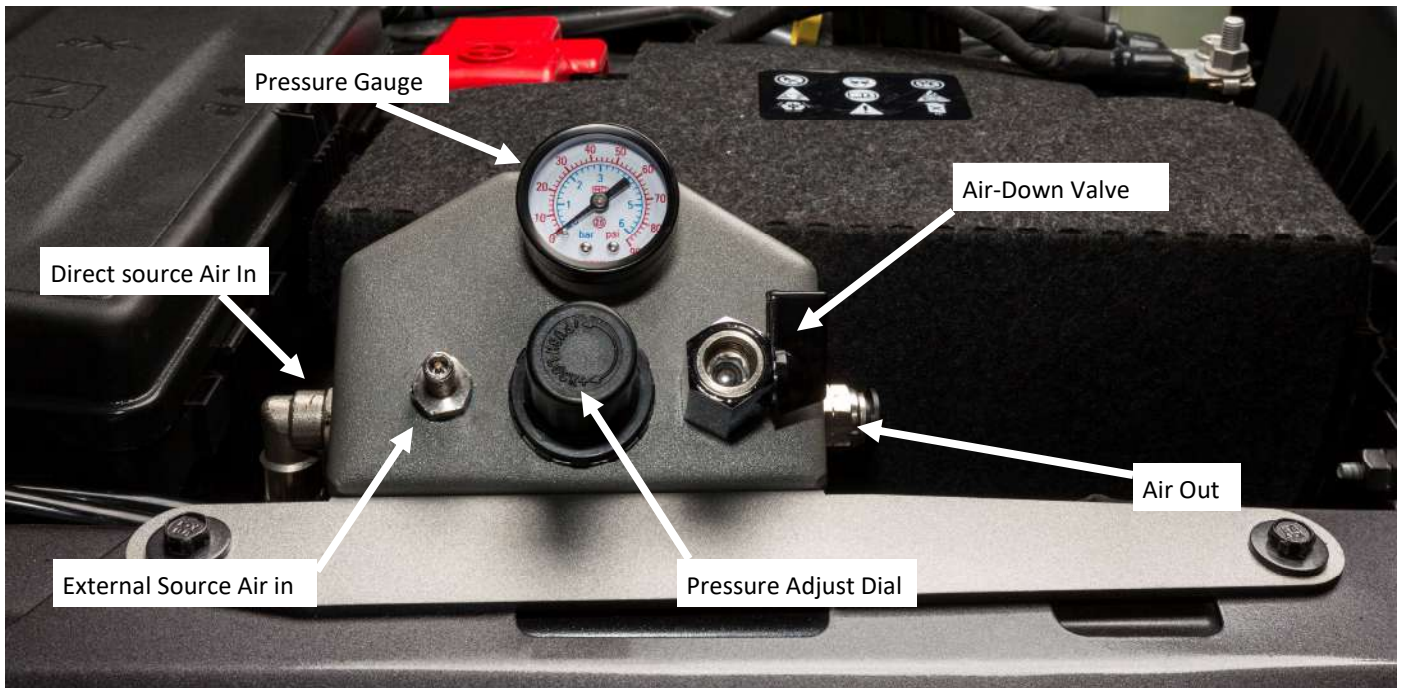


With a 3/8 drill bit you will now drill a hole through the first layer of metal on front cross member brace and fasten with supplied hardware.



Once all hardware is tightened we can now plug the compressor in using the ARB supplied wiring instruction manual, you will also attach the high-temperature tubing at this time and run it along side the wiring safely out of the way from damage.

**Make sure no tubing or wiring is resting on exhaust manifold!**



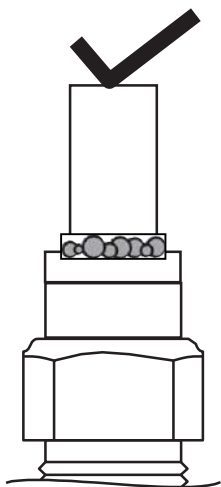
**Please perform the following pressure tests.**

1. Pressurize your system with no whips connected to ensure all Schrader's are sealed and everything is working properly (release pressure on each valve to make sure all flowing equal)
2. Connect all your tire whips to the Body Mounted Schrader valves and the tires. Note the tire pressure on the ADS Controller gauge.
3. Listen and Inspect all connections for leaks.
4. If you think you have a leak spray mild soapy water at the fitting and look for bubbles.
5. If you find a leak. Please refer to our trouble shooting section.

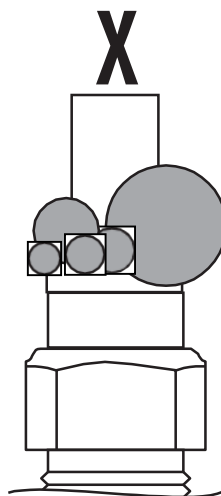
(Take a few minutes to try different settings and get familiar with the system)

## LEAK INSPECTION

To inspect for leaks pressurize your system, take a spray bottle with a solution of mild soap and water and spray suspected area. If you are not sure where the leak is coming from take a systematic approach spraying one area at a time.



SMALL SOAP BUBBLES THAT DO NOT EXPAND

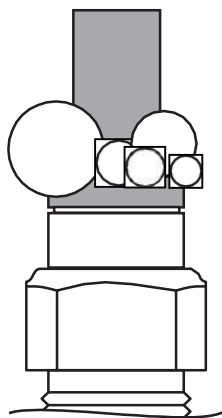


SOAP BUBBLES THAT EXPAND

## LEAK CORRECTION

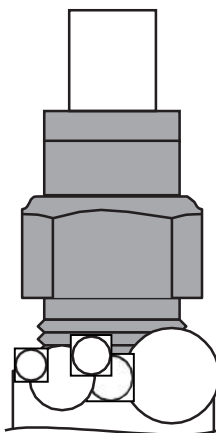
Most leaks will be in one of these three areas and the correction is listed below. If this does not correct you problem or you need further assistance please call **833-226-4863, option 4** and one of our technical staff will assist you.

LEAK AT AIR LINE TUBE AND AIR FITTING



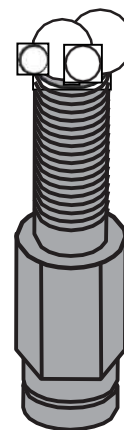
Release Air Line Tube.  
Review proper cuts and procedures.

LEAK AT BASE OF AIR FITTING ON AIR SPRING



Tighten Air Fitting one turn or until leak stops.

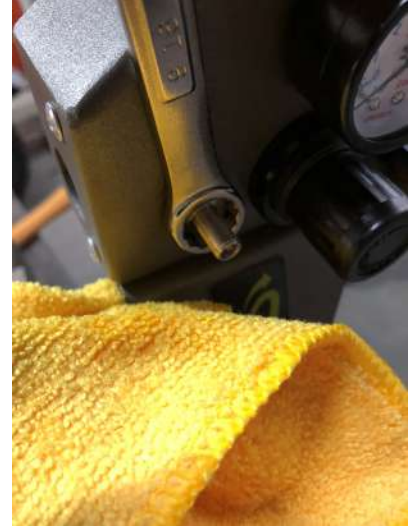
LEAK OUT OF THE VALVE CORE ON INFLATION VALVE



Tighten valve core with valve core wrench on Inflation Valve Cap.



When plumbing a direct air source to the ADS controller you have 2 options. The first option is to use the front external source Schrader port.



To remove the Air-Port Schrader use a 9/16 wrench or socket, spray penetrating oil, wait 5 min and remove slowly. After removed be sure the threads are clean and no adhesive residue is left over.



Add pipe sealer to the threads and install the 90 degree 3/8 swivel using the 9/16 wrench until tight. Connect your high temp hose to the compressor and you're done.



The second option is the 3/8 hex plug located on the left side of the ADS controller.



Apply penetrating oil to the 3/8 hex plug threads and insert 1/4 Allen key completely. Slowly remove the plug and make sure not to damage or strip. (you can also use a heat gun to make plug removal easier)



When plug is removed make sure to clean threads and remove all glue residue. You will now apply Teflon tape or thread sealer to your 90 degree swivel and install using our special socket  
You can now hook your high temperature hose from the compressor to the new 90 degree



**Congratulations** you have now completed the install of your new ARB Compressor and or ADS System.

Please perform the following tests.

#### **Inflation -**

1. Connect your Whips to all 4 corners of your Jeep.
2. Turn compressor on to pressurize the ADS Unit. The regulator can be adjusted by lifting the adjustment knob to un lock it, Then turning it Clockwise to Increase Pressure or Counter Clockwise to Decrease Pressure. Once you have set it to your factory recommended pressure. The Adjustment Knob needs to be pushed down to Lock the regulator in place. Once you Set it you can Forget it.
3. The compressor should stop when the ADS is fully pressurized. When the compressor stops listen and inspect all connections for leaks.
4. If you think you have a leak spray mild soapy water at the fitting and look for bubbles.

Let your system sit for two minutes and note the tire pressure and compare it to your starting pressure

#### **Deflation—**

1. Connect your whips to all 4 corners.
2. Check your tire pressure on the ADS Controller
3. Open the Air-Down Valve on the ADS Controller to Deflate your tires. Once you have reached the desired pressure Close the ball valve and verify tire pressures on the ADS Controller gauge.
4. Remove your tire Whips and you are Trail Ready.





## UP DOWN AIR'S NO FINE PRINT 12 MONTH WARRANTY

Our unique warranty proves our commitment to the quality and reliability of every UpDownAir® product.

**No Fine Print Warranty:** If you are the original purchaser of any UpDownAir® product and it breaks, we will replace it.

UpDownAir's obligation under all warranties is limited to the repair or replacement, at UpDownAir's option, of the defective material. Any cost of removal, installation or reinstallation, freight charges, incidental or consequential damages are expressly excluded from these warranties. Up Down Air Systems, LLC reserves the right to make future revisions to this product and Product Warranty without prior notice or obligation to upgrade your product.

Please read all instructions carefully prior to beginning installation of your Up Down Air Systems, LLC. product.

PLEASE CONTACT US DIRECTLY FOR ALL WARRANTY ISSUES AT:

Toll Free: 883-226-4863    Email: [info@UpDownAir.com](mailto:info@UpDownAir.com)