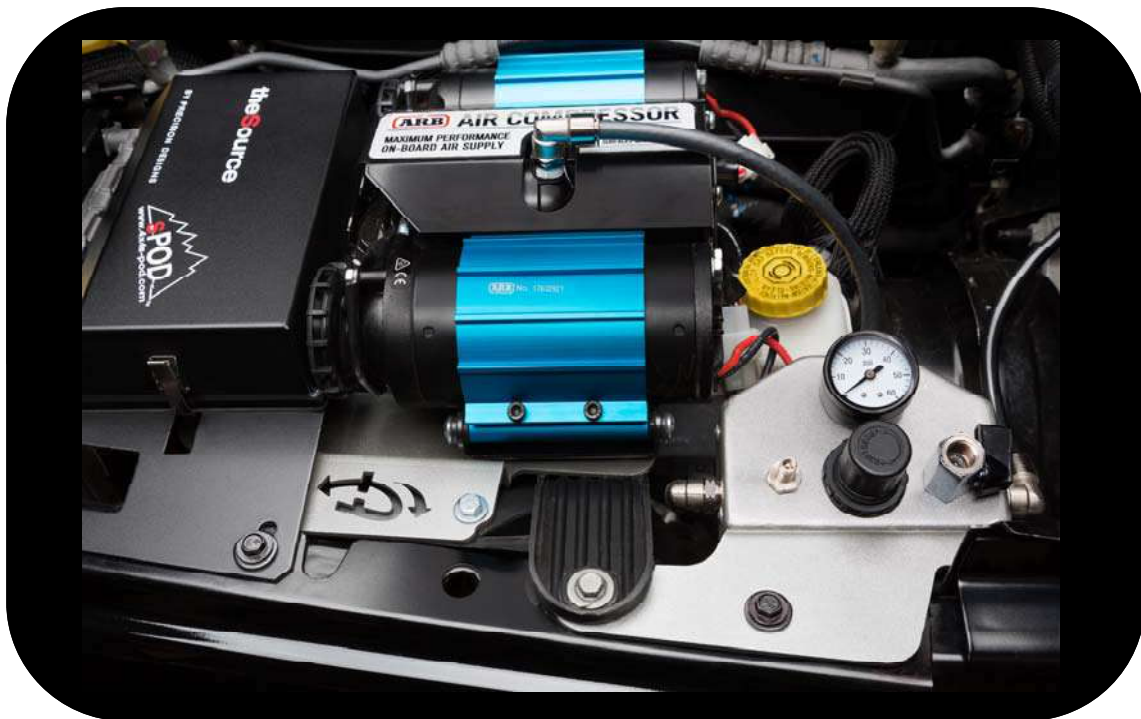




INSTALLATION INSTRUCTIONS

Part# 22-7810

Jeep JK/JKU ARB Mounting Kit 2007-2018.5



For the most up-to-date instructions please visit www.UpDownAir.com

Air It Up!



PLEASE TAKE A MINUTE TO READ THIS ENTIRE INSTRUCTION MANUAL BEFORE YOU START.
Some changes to your OEM brake system with a larger brake booster could cause fitment issues

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.

NEVER DRIVE WITH THE WHIPS CONNECTED TO YOUR JEEP, 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
- 11/16" and 7/32" Drill Bit
- Thread Sealer (**Loctite 577—We do not recommend using Teflon tape**)
- Spray Bottle with Mild Soapy Water
- Phillips Head #2 Screw Driver
- Tube Cutter or Sharp Utility Knife

WRENCHES

- Crescent
- 22mm, 18mm
- 16mm, 14mm
- 13mm , 10mm
- 8mm , 1/4" Allen

1/4" Drive

- Ratchet
 - 10mm Socket
 - 8mm Socket
 - 1/4" Allen Socket
- * 9/16" special socket

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. Read and refer to your ARB instructions for all issues directly related to your ARB compressors. UpDownAir warranty does not cover any ARB Compressors or parts.





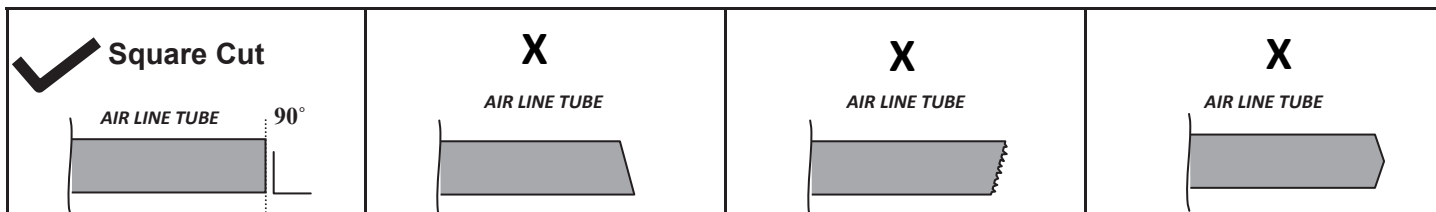
Always:

Use a tube cutter or sharp utility knife.

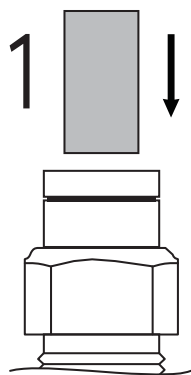
Do Not:

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.

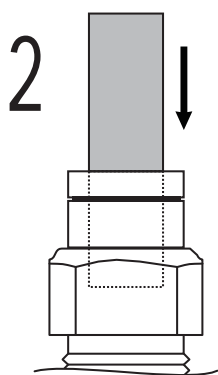
PROPER AND IMPROPER CUTS IN THE AIR LINE TUBE



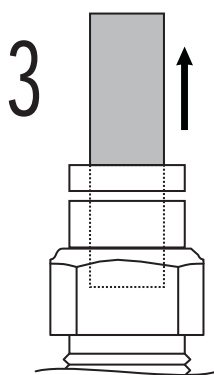
Insert end of Air Line Tube into Air Fitting.



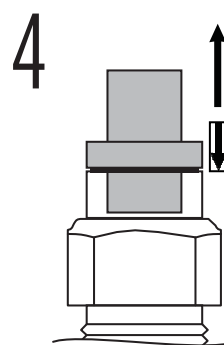
Push Air Line Tube into Air Fitting as far as possible.



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.



22-7810 - Install Kit System for ARB®CKMTA12

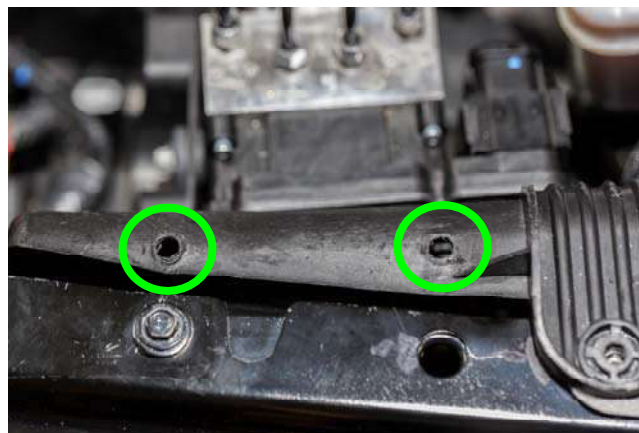
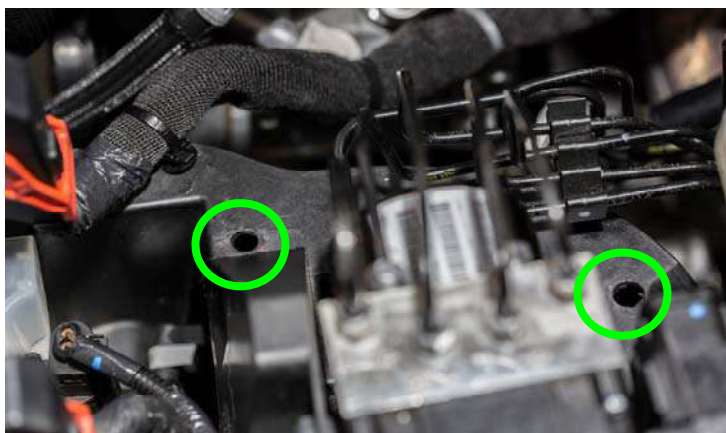
NEW PART#	QTY	DESCRIPTION	Notes
01-112	2	3/8OD X 1/4NPT (MALE) Swivel 90 All Metal	
02-113-60	1	3/8 OD High Temp Tubing Manifold to Contoller	Cut Piece
03-522	1	ARB Jeep Under Hood Mounting Brkt	
03-528	1	Rectangle SS Flat Washer	
05-115	2	8" Cable Tie	
05-121	2	1/2" X 5-3/8 Tube	
05-122	1	5/16" Cone Spacer	
05-123	1	3/8" X 3/4 Cap Screw	
05-124	3	3/8" X 3/4 Bolt	
05-125	3	3/8" Lock Washer	
05-126	3	3/8" Flat Washer	
05-127	2	1/4" 3/4" Bolt	
05-128	2	1/4" Stover Nut	
05-129	4	1/4" Flat Washer	
05-130	4	6mm X 16mm Bolt	
05-131	4	6mm Lock Washer	
03-511	1	Rocker switch bracket	



Using the Bill of Materials identify and lay out all your kit components confirming that you have all the correct parts and quantity.

For our first step we will mark the holes in the ABS manifold tray that will need to be drilled.

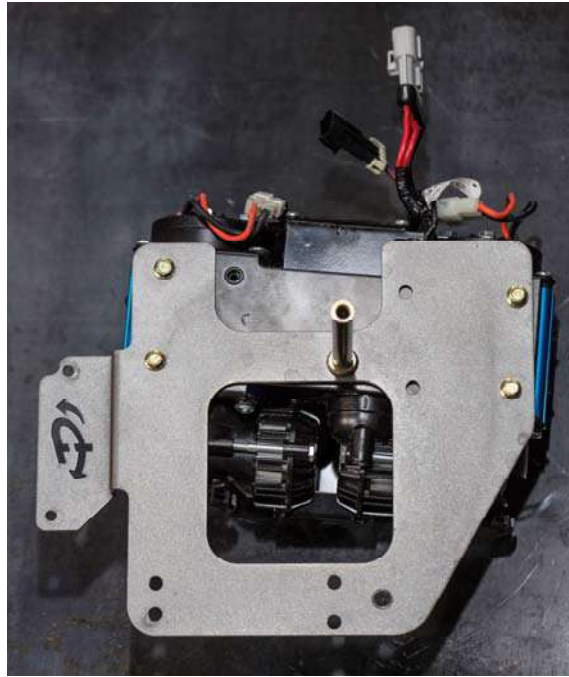
1. Install the 2 long tubes to the compressor mounting plate
2. Set the plate in place and mark 4 holes with a sharpie.
3. Drill the holes in the bottom of the tray with a 11/16" bit and the top of the tray with a 7/32" bit.



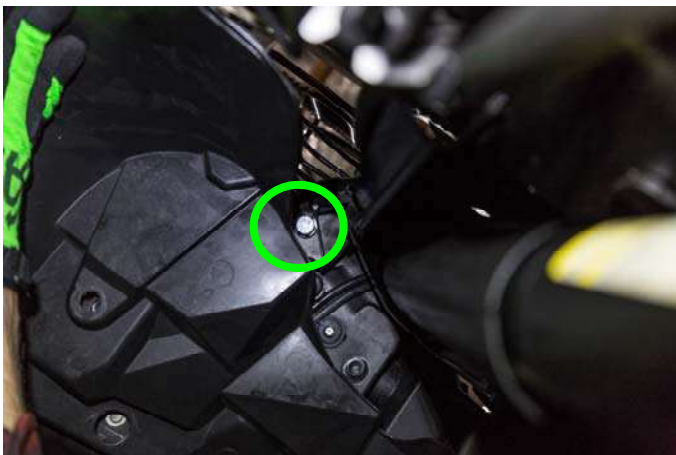
Remove the forward tube from the mounting plate and install it in the front hole in the ABS tray using the 17mm bolt, washer and rectangle plate.



Set the compressor on the mounting plate and install the 6mm hardware.



Now set the compressor with the mount attached into the appropriate location. Now you will attach the remaining stilt to the plate using the supplied hardware. Underneath the wheel well behind the inner fender, fasten the remaining stilt to the jeep. Next, attach the upper side bolts to the ABS tray.



To make things easier you can insert the handle of the screw driver between the fender and ABS tray to allow for easier access to the upper nuts and bolts. Install and tighten the 6mm nuts and bolts.

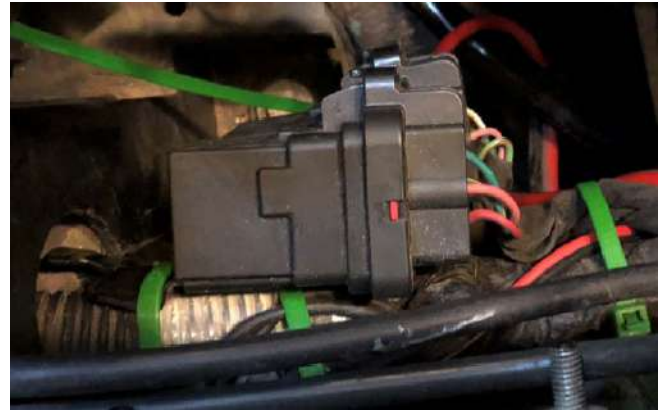
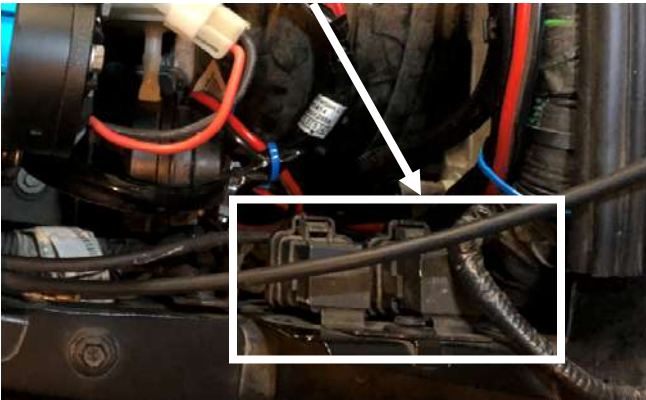


Next tighten the forward stilt to the compressor plate.



Use directions from pages (9-10) and Add the the 90 degree swivel in the controller housing
Install high temperature hose
Wire compressor using ARB instructions.

For installation of rear mounted controller (69-0717) you will need to re-locate your factory **High note horn** and **OEM relays**. Your first step will be removing the relays mounted on the driver side fender near the firewall



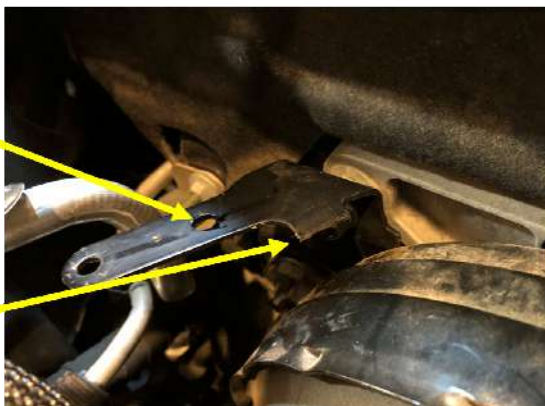
Start by removing the plastic push rivet that holds the 2 relays in place. Once rivet is removed you will move the relays further down and secure to the factory jeep wiring harness with a zip tie so that it is out of the way.

Horn re-locating- We can now start relocating the high note horn. Begin by unplugging the horn and removing the bracket that holds the horn (10mm) remove the horn from bracket and attach bracket to the stud next to the brake booster shown in pictures below.

(your jeep comes with 2 separate horns. Removal of one can be done to avoid the next steps and you will still have functioning horn)

Before attaching, drill hole in bracket to mount horn.

Use an M8 1.25 nut and lock washer to attach the bracket to the firewall stud.



Once bracket is in place you can now attach your horn in the new location. You will need to extend the factory wires or just make a jumper cable to make up for the length change in the new location

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 are 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 swivel

In this kit we supply a bracket to mount your ARB compressor rocker switch in the engine compartment for easy use with our system. The location to mount is universal but here is a suggested mounting location.



You will need to put the switch bracket in a bench vice and bend a 90 degree angle for this option. Use the mounting hole where we removed the factory relays on page 8 section 3.



Your final setup should look like the picture above



Congratulations you have now completed the install of your new VIAIR Compressor Kit for your ADS System.

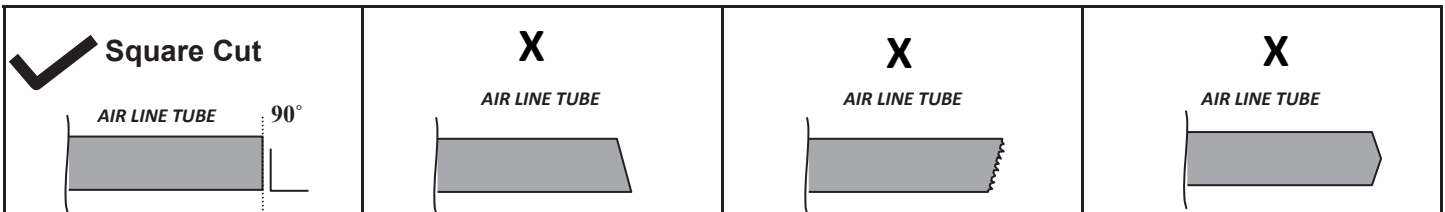
Please preform the following tests.

1. Turn compressor on to pressurize the ADS unit and set your pressure regulator to your factory recommended tire setting.
2. The compressor should stop when the ADS is fully pressurized. When the compressor stops listen and inspect all connections for leaks.
3. If you think you have a leak spray mild soapy water at the fitting and look for bubbles.

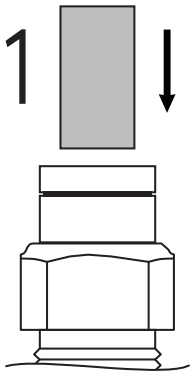
Let your system sit for two minutes and note the tire pressure and compare it to your starting pressure.

If you have had no pressure drop you are good to go.

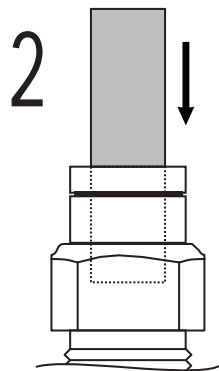
PROPER AND IMPROPER CUTS IN THE AIR LINE TUBE



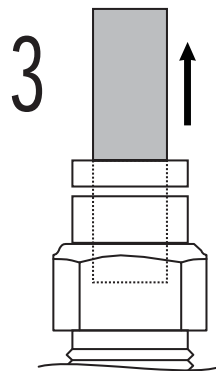
Insert end of Air Line Tube into Air Fitting.



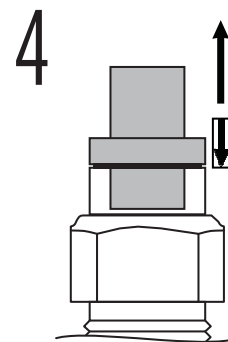
Push Air Line Tube into Air Fitting as far as possible.



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.

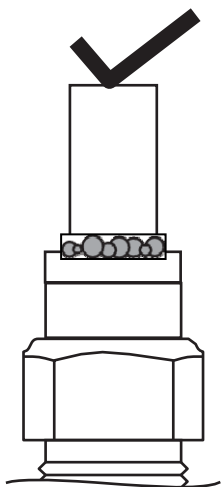


Removal Tip: Use a small open-ended wrench to push the collar down .

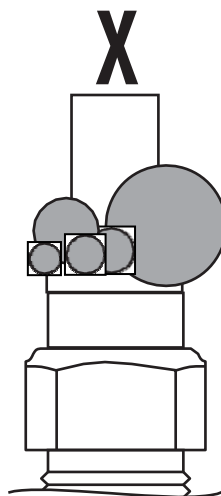


LEAK INSPECTION

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

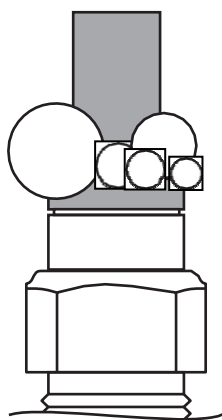


SOAP BUBBLES THAT EXPAND

LEAK CORRECTION

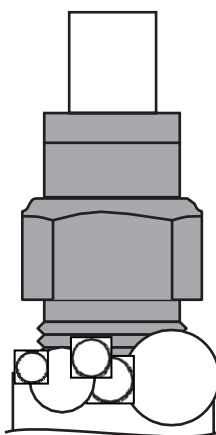
Most leaks will be in one of these three areas and the correction is listed below. If this does not correct you problem or you need further assistance please call **833-226-4863, option 4** and one of our technical staff will assist you.

LEAK AT AIR LINE TUBE AND AIR FITTING



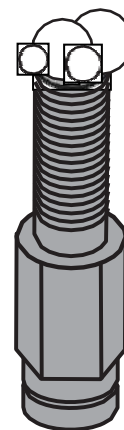
Release Air Line Tube. Review proper cuts and procedures.

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.



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