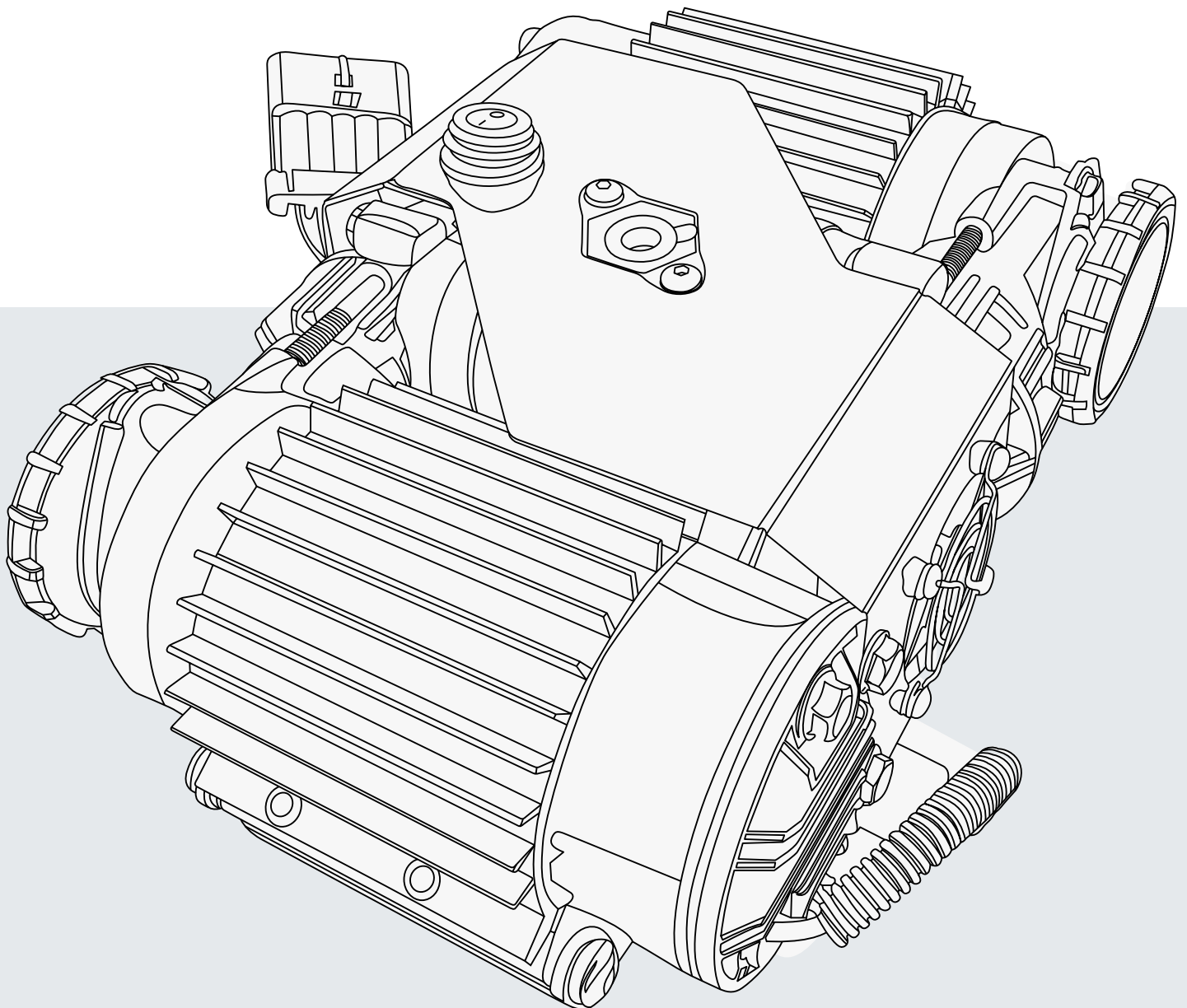




EGOI 2

AIR COMPRESSOR

INSTRUCTIONS



**CAREFULLY READ INSTRUCTIONS PRIOR TO THE
FIRST USE OF THE COMPRESSOR**

EGOI Permanent On Board Dual Motor Air Compressor System 6.1 CFM

SET-UP & CARE INSTRUCTIONS

PRE-INSTALLATION PREPARATION:

The UpDownAir air compressor comes complete with all the instructions you will need to install your new air compressor. However, UpDownAir recommends that you have your UpDownAir air compressor installed by a trained professional. If using a vehicle specific mounting solution, make sure your air compressor kit is the correct model for your application. Please be sure to read the complete installation guide and have access to and knowledge of all the necessary tools, parts, and materials to complete the proper installation.

*** IMPORTANT ***

Please read the entire install guide prior to attempting installation or making any modifications to the compressor unit or vehicle.

The UDA EGOI 2 series compressors can be used for several air applications including tire inflation, hand air tool operation, air locker activation etc. Each of these compressed air applications have different outlet port connections.

If the compressor is only to be used for inflating a few tires rapidly then a hose coupling can be screwed directly into the compressor outlet port. It is important to note that compressing air at a high rate produces a lot of heat. If using for multiple tires or vehicles, the hose and coupler fitting on the compressor will get hot.

If the UDA EGOI 2 compressor is to be used for prolonged periods or plan and being used to power air tools, it is recommended that the compressor be connected to a separate air tank. Running a separate air tank will dissipate the heat from the compressed air and allow the compressor to run more efficiently.

Connecting the compressor to an incorrect voltage level will cause extensive damage to the compressor's DC motor, so carefully follow the power connection instructions to a reliable 12V power source.

TOOLS NEEDED

- Standard automotive sizes of sockets, wrenches, and drills (Metric and SAE)
- Cutting scissors or razor knife
- Multimeter or test light
- Thread sealant for pressure fitting (Teflon tape)
- Automotive crimp fitting or soldering tool to make electrical junctions
- Electrical tape or heat shrink tubing to insulate electrical junctions
- Mild soap and water to check for leaks

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CHOOSING THE BEST MOUNTING LOCATION:

The following points should be considered when choosing a mounting position of your new compressor.

- The mounting location should allow quick and easy access to the compressor pre-installed power rocker switch and compressor fittings.
- The mounting location should allow the compressor top be secured using a minimum of 4 included mount bolts attached to the base plates pre-installed nutserts.
- The mounting position should allow an accessible, protected and shortest possible route to the battery for maximum performance.
- The mounting location should allow access to the underside mounting hardware
- The mounting location should be higher than highest possible waterline to prevent submersion.
- The mounting location should be free from any road spray or water, gravel, etc.
- The mounting location should allow cool clean air to the compressor and air filter assemblies.
- The mounting location should allow access to both air filter assemblies for service.
- During continued use, the compressor may get hot, and should be located in a position away from accidental touch by children or pets.

AREAS TO AVOID:

- Keep away from heat sources
- Avoid prolonged exposure to direct sunlight
- Avoid areas prone to excessive moisture (rain runoff, road spray etc.)
- Avoid locations where it may be inadvertently touched by children or pets.
- Avoid mounting locations near or next to devices sensitive to electromagnetic fields such of DC motors such as GPS, Radio, compasses, etc.
- Avoid mounting the compressor where excessive vibration occurs or on components not securely fastened to the vehicle tub or chassis (suspension components, engine block etc.)

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SET-UP & CARE INSTRUCTIONS

MOUNTING THE COMPRESSOR

A. The compressor comes pre-assembled with integrated on/off rocker switch pre-installed and air filters secured on the compressor. Double check that the air filters are secured by turning clockwise to being careful not to over tighten.

B. Determine the desired mounting location using the previous notes on choosing a secure location.

C. Choose a location that has adequate clearance of the top of the compressor to prevent the accidental turning on of the power switch.

D. To provide various locations, the included pre-installed base plate has 12 pre-installed nutserts. Use a minimum of 4 that best work for your installation location or additional mount plate to distribute the weight of the compressor using the supplied hardware.

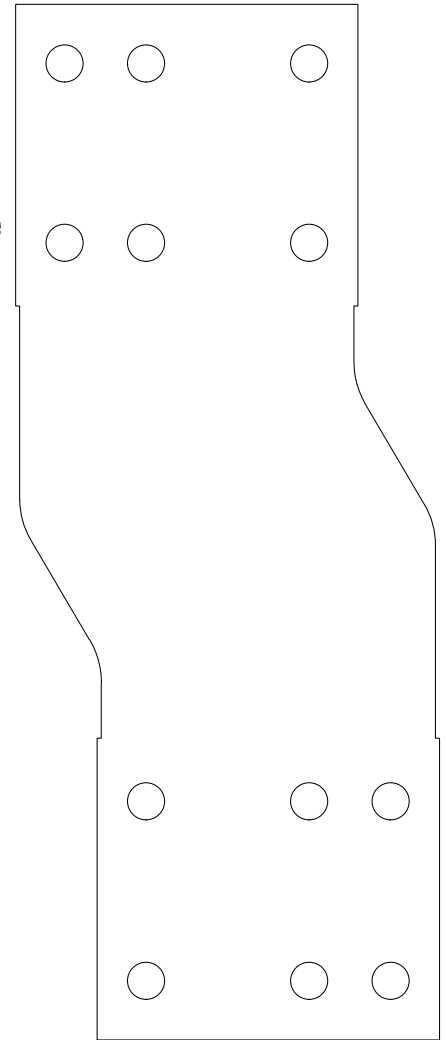
E. When mounting, use the provided hex nut, washer, followed by the provided lock washer to securely mount your compressor.

F. When drilling for your desired location and or mount plate, be careful to ensure that the holes accurately line up with the chosen nutserts on the compressor base plate. Drill holes using a 8mm or 5/16 bit being careful to not exceed 10mm to allow for misalignment.

G. Prevent overtightening in order not to damage or loosen the pre-installed nutserts.

CONNECTING THE POWER CABLES

- Make sure the keys are removed from the vehicles ignition
- Plug in the connector to the supplied wiring harness.
- The compressor comes with an included 7ft wiring harness for connecting the compressor to your 12V power source (vehicle battery).
- Carefully route the included wiring harness from the compressor to the vehicle battery or dedicated 12V power source. Be mindful of any moving components when routing the supplied wiring harness and secure using cable ties to prevent vibration and or any when on the wiring harness itself.
- If additional length is needed, it is recommended to utilize the Up Down Air 90" compressor wiring harness extension part number 02-0318.
- If you choose to use your own wiring to extend the provided wiring harness to reach the 12V power supply, splice an extension using only wire that is the same gauge or large than on the supplied wiring harness



EGOI Permanent On Board Dual Motor Air Compressor System 6.1 CFM

SET-UP & CARE INSTRUCTIONS

CONNECTING THE POWER CABLES

CONTINUED FROM PREVIOUS PAGE

- If routing of the wiring harness passes through a drilled hole in the vehicles panels, a rubber isolation gromet is needed to protect the wiring harness from potential wear.
- The 2 provided in line fuses should be as close to the battery connection as possible. Never eliminate the fuses if shortening the provided wiring harness is needed for your mounting position.
- Once the wiring is ran and secured, use the 3 provided wiring eyelet terminals to each of the 2 red wires and 1 black wire to allow for proper installation on the battery terminals.
- It is recommended that once each power lead is stripped and crimped that you insulate the eyelet connections using electric tape and/ or heat shrink tube to ensure a secure connection.
- Connect both red wires to the positive terminal of the 12V battery under the nut of the battery lead.
- Connect the black wire lead to the negative terminal of the 12V battery under the nut of the battery lead.
- Double check that the entire wiring harness is secured using cable ties to prevent the wiring from potential wear caused by vibration and ensure that the wiring is routed away from any moving components on the vehicle and chassis. Failure to do so can cause wear on the wiring harness and over time could potentially result in a dangerous electrical short.
- Carefully secure any access wiring to prevent any interference.
- Once the wiring is properly installed and connected to the battery source, you will want to test the function of the compressor.
- Remove the factory installed plug on top of the fitting on your compressor. Test the function of the compressor by switching the compressor on by using the power rocker switch located on the top of your compressor.
- The compressor can be used for various applications, the most common being a direct source for airing up your tires. When not being used in conjunction with our Air Delivery System, the most common attachment would be a 1/4 in. x 1/4 in. NPT Male Industrial Steel Coupler (such as Huskey part number 603 837) to be used in the fitting on the compressor to allow for a quick disconnect option for an air hose to be used to fill up your vehicles tires.
- Once installing your ADS unit or steel coupler, you will want to check the system for leaks at the fittings. This can be done by turning the compressor on the on position and wait for it to be fully charged. The compressor should not cycle back on for at least 15 minutes. If the compressor cycles on within the 15 minute period, it would indicate a leak, most commonly at the fittings. Soap and water can be used at the fittings to visually check for leaks. If a leak is detected, remove the fittings, clear the threads, reapply thread sealant (Teflon tape) and reapply making sure the fittings are properly tightened.

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SET-UP & CARE INSTRUCTIONS

POST INSTALL CHECKLIST:

- A. Has the system been leak tested?
- B. Does the power switch properly illuminate when compressor is turned on?
- C. Are all power and airlines secured using cable ties and are not prone to snagging or abrasion?
- D. Does mounting position allow adequate clearance from activation switch on top of the compressor not to allow for an accidental engagement?
- E. Does the mounting positioning allow for clear airflow and proper ventilation?
- F. Are compressor air filters in a position with little to no moisture or dirt exposure?

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