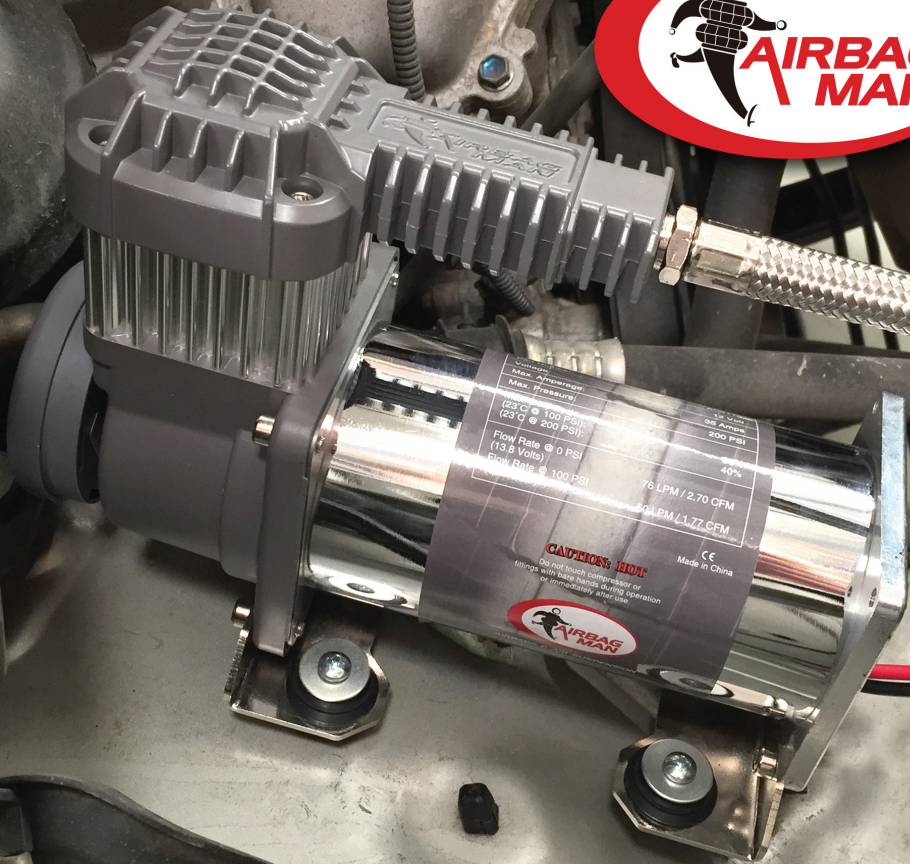


PART NUMBER
AC8110



Operating Temperature: 123°C (252°F)
Max. Pressure: 100 PSI (6.9 Bar)
Flow Rate @ 0 PSI (13.8 Volts): 76 LPM / 2.70 CFM
Flow Rate @ 100 PSI: 50 LPM / 1.77 CFM

CAUTION: HOT!
Do not touch compressor or fittings with bare hands during operation or immediately after use.

CE
Made in China



COMPRESSOR

SPECIFICATIONS

PART NUMBER	AC8110
VOLTAGE	12 VOLT DC
MOTOR TYPE	GEARLESS DIRECT DRIVE
MAXIMUM AMP DRAW	35 AMP
DUTY CYCLE @ 100 PSI & 23°C	50%
DUTY CYCLE @ 200 PSI & 23°C	40%
MAXIMUM FLOW RATE @ 0 PSI	76 LPM / 2.70 CFM
MAXIMUM FLOW RATE @ 100 PSI	50 LPM / 1.77 CFM
MAXIMUM OPERATING PRESSURE	200 PSI
NOISE	82 dB
DIMENSIONS	L 220mm x W 115mm x H 175mm
AMBIENT TEMPERATURE	-20 C ~ +80C
CERTIFIED	CE, ROHS, REACH

- ⚠ It is recommended that only a properly qualified person installs the product and carries out maintenance. If you are not qualified and attempt to carry out such work ensure that all safety equipment is used and safety standards are met.**
- ⚠ DO NOT connect any electrical components to the vehicle without preparing the electrical system as per the vehicle manufacturer's instructions. Connecting without preparing the vehicle could lead to component failure, vehicle damage or fire.**
- ⚠ Ensure the Product Manual is kept with the compressor and that any operator is fully advised on the system and its operation before attempting to operate it.**
- ⚠ Incorrect use of this product can result in damage to the components associated parts and/or the vehicle, which is not covered under warranty.**
- ⚠ Compressor for 12 Volt DC power only.**
- ⚠ Never leave the compressor unattended while in use.**
- ⚠ Your vehicle engine must be running when the compressor is running.**
- ⚠ Air compressors get hot - avoid any flammable liquid or burn risk areas and do not touch during or immediately after operation.**
- ⚠ Ensure suspension airbags are maintained at the stated ride height at all times and maintain the minimum pressure required and never exceed the maximum, as required by the particular airbag product.**

MAINTENANCE

Regularly clean dust and debris from the compressor fins and motor housing.

Periodically check the electrical and pneumatic connections are tight and not damaged.

Periodically check the fasteners and casing is tight and not damaged.

The air compressor is equipped with a permanently lubricated, maintenance-free motor. Never try to lubricate the air compressor.

The compressor duty cycle requires the compressor to rest for 30 minutes after 30 minutes of use in 23°C temperatures. In the event of the compressor repeatedly turning off early or blowing fuses check that the battery voltage is sufficient, the wiring is suitable and in good condition, the control switch is not faulty and that the relay is working correctly.

If all the electrical components appear correct then check that the compressor has adequate ventilation and is clean. If problems still occur the compressor may be worn out and in need of replacement.



⚠ CAUTION: Never touch the air compressor or fittings connected to the air compressor with bare hands during or immediately after use. The airline and fittings connected to the pump head will become very HOT during and after use. If necessary, wear heat resistant gloves to handle compressor, fittings, and airline.

⚠ Incorrect use of this product can result in damage to the components associated parts and/or the vehicle, which is not covered under warranty.

⚠ Ensure suspension airbags are maintained at the stated ride height at all times and maintain the minimum pressure required and never exceed the maximum, as required by the particular airbag product.

AFTER SALES SERVICE

GENERAL ADVICE & ASSISTANCE

Airbag Man is proud to offer the best quality products and customer service. If you have any issue with our product you must call us to discuss a solution and local service if required.

Also see the Trouble Shooting Guide in this booklet for assistance before calling.

WARRANTY

Our Warranty operates in addition to (and does not exclude, restrict or modify) any rights or remedies to which you may already be entitled under the Australian Consumer Law or any other relevant law relating to this product.

Our Goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the Goods repaired or replaced if the Goods fail to be of Acceptable Quality and the failure does not amount to a major failure.

If the product supplied has not performed as expected and you suspect it may fall into the consumer protection category please call **1800 247 224** for full terms and conditions and assistance.

FOR SUSPECTED WARRANTY CLAIMS - PLEASE CONTACT AIRBAG MAN BEFORE REPAIRS ARE CARRIED OUT FOR ADVICE AND A PRODUCT ASSESSMENT FORM WHICH MUST BE COMPLETED. FREECALL 1800 247 224

INSTALLATION GUIDE

PREPARE THE VEHICLE

Please note it may be necessary to remove components from the vehicle to fit this product, ensure this is carried out according to the vehicle manufacturer's instructions regarding electrical connection and component positioning and mounting.

- ⚠ **DO NOT connect any electrical components to the vehicle without preparing the electrical system as per the vehicle manufacturer's instructions. Connecting without preparing the vehicle could lead to component failure, vehicle damage or fire.**

POSITION THE COMPRESSOR

The AC8110 compressor features multi-position mounting brackets. This allows the mounting brackets to be positioned for convenient mounting in a wide variety of locations.

MOUNTING LOCATION

Select a mounting position considering the following:

1. Mounting surface needs to be **Flat, Rigid and Secure**.
2. As **close to the Battery** as possible. It is better to use more air line tubing than more electrical wiring as longer runs of wiring require heavier wiring to maintain voltage.
3. **Cool location** away from **Heat Sources** with good **natural ventilation**.
4. **Protected location** - avoid positions that objects may strike and where excessive dust or debris can collect.
5. **Water ingress** will damage the air compressor - the air filter may need remote mounting in an elevated position, away from the elements.
6. **Mounting feet** must be positioned so that the compressor weight is taken vertically down onto the mounting feet.

- ⚠ **The outlet of the compressor must be routed to ensure condensation does not drain back to the compressor.**

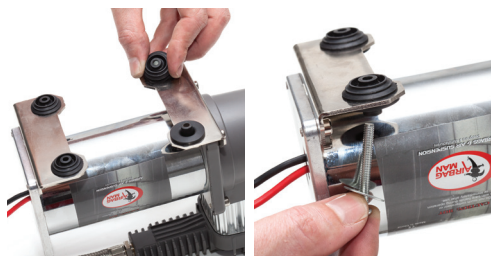
- ⚠ **Air compressors get hot - avoid any flammable liquid or burn risk areas.**

UPSIDE DOWN COMPRESSOR MOUNTING

When mounting the compressor upside down in a 'hanging' position the rubber isolators must be reversed for best performance. Remove each rubber isolator by gently prying to push the tapered rubber lip through the mounting bracket hole.

When removed, the rubber isolator is to be flipped over and reinstalled as shown.

- ⚠ **When repositioning the compressor mounting brackets ensure that the correct length fasteners are reinstalled and secure. We recommend the use of a thread locking compound on these fasteners.**



MOUNT AIR COMPRESSOR

1. Temporarily position the air compressor where it will be mounted and mark the mounting bolt hole positions. Check air filter position and hose routing as required.
2. Mount the air compressor using the supplied rubber isolators, bolts, safety washers and nuts as shown. Ensure that the mounting brackets and rubber isolators are correctly orientated for best performance as described above.
3. Ensure the isolator bracket bolts and the mounting bolts are secure.



CONNECT COMPRESSOR OUTLET

1. Connect the supplied fittings to the compressor outlet following the specific air control system configuration.
2. Connect air line tubing to the compressor air fitting and route and connect to the air supply inlet fitting.



Hint When connecting check valve and fittings use a suitable liquid thread sealant and allow setting before running the compressor.



CONNECT AIR COMPRESSOR INLET FILTER

1. Confirm the air filter position based on the compressor mounting location.
2. If in a protected location the filter can be mounted close to the compressor inlet.
3. If the compressor is mounted where water or debris ingress may occur the air filter must be remote mounted.
4. Ensure air filter and airline mounting is secure and leak free using the supplied bracket and clips.



The air filter element must be checked regularly and replaced as required. A blocked air filter will effect compressor performance and lead to compressor failure which is not covered under warranty.



Hint Air filter condition is directly related to compressor location, driving environment and compressor usage. For high debris applications inspect the air filter every month.



FIT WIRING HARNESS

1. Connect the compressor wiring following the specific air control system instructions.
2. The electrical components supplied in the kit are common standard components. However, you need to check that these are suitable for the installation and application for which they are being used and that the electrical system you are connecting to can supply the required current and voltage and will not be damaged. Please check the compressor label for current and voltage details.
3. Ensure the wiring and connectors are secure using the supplied clips.



Only carry out electrical wiring on the vehicle if you are suitably qualified and experienced in doing so. We recommend that an Auto Electrician or Qualified Mechanic carries this out - note that incorrect wiring can lead to component failure, vehicle damage or a fire.



LEAK TEST

INFLATE the system and the airbags to their maximum allowed pressure (See Pressure Advice in Airbag Owner's Manual) and check for leaks at all connections using soapy water spray. We recommend a soapy water spray solution of 25% soap to 75% water.

DEFLATE If no leaks deflate airbags to required height. If leak detected, deflate airbags and air supply, check and tighten the air fittings (if required), remove the airline tubing, re-cut and re-test.

Ensure airbags are returned to correct height (see Airbag Kit Fitting Instructions) after Leak Test is completed.

OPERATION GUIDE

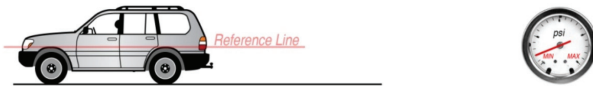
Always maintain correct **Airbag Height and Pressure** as specified in the Airbag kit



Load the vehicle within it's legal payload



Inflate, returning the vehicle to correct **Airbag Height and Pressure**



Airbag Man Operating Height & Pressures can be found in the Airbag Suspension Fitting Instruction document.

Under load – maintain your vehicle at **Airbag Operating Height** by adding air to each airbag in turn.

When load is removed- simply remove air from both the airbags to return to the **Airbag Operating Height**.

Use only enough air pressure in the airbags to maintain the **Airbag Operating Height**. This amount will vary depending on the load, location of the load & the condition of existing suspension.



It is not uncommon to have a pressure difference between the airbags after the vehicle has been brought to the Airbag Operating Height. If this is too great check inflation and redistribute your load more evenly.

- ⚠ Before adjusting air pressure ensure no-one is near or under the vehicle, as they may become trapped or injured.**
- ⚠ NEVER over inflate the airbags or damage may occur. (See Airbag Operating Height & Maximum Pressure).**

- Locate where the airbag inflation controls have been situated on your vehicle.
- With the airbags installed on your vehicle and the vehicle sitting on a level surface, verify that the Airbag Operating Height is correct (See Airbag Operating Height & Maximum Pressure). If required, the Airbag Operating Height can be achieved by inflating the airbags using the airbag inflation controls.
- Ensure the airbags are not inflated above the Maximum Pressure (See Airbag Operating Height & Maximum Pressure)
- Each airbag usually has a separate airbag inflation control.
- To maintain the Airbag Operating Height from front-to-back, add air pressure to both airbags in equal amounts gradually.
- To maintain the Airbag Operating Height from side-to-side, add more air pressure in small quantities, checking the pressure and height frequently.
- An airbag requires much less air volume than a tyre, and therefore will inflate/deflate much more quickly.



TROUBLE SHOOTING GUIDE

Compressor does not operate

- Ensure the power supply connections are correct for the vehicle.
- Check that the activation switch (manual switch or pressure switch) is operating.
- Check the condition of the inline fuse and replace if necessary.

Compressor is taking longer than normal to inflate

- Check the power supply, it is always recommended that the vehicle be running when using the compressor. The compressor internals may be damaged or have excessive wear.
- Check airline for correct connection and no restrictions from the compressor outlet.
- Air leaks are often due to damaged airline installed into the fitting which must be repaired by re-trimming to a clean section of airline. Leaks can also occur in the attachment of the air fittings to the airbags due to the fittings not being tight enough or sealed with thread sealant. Tighten the fittings one more turn or remove and apply a suitable thread sealant.
- Tubing must be cut squarely to avoid burrs in the connection to the air fittings. Push-to-connect fittings require a square cut to assure a seal. With air pressure removed the tubing can be easily removed by applying pressure to the brass collar toward the fitting, the tubing can then be pulled freely from the fitting. To install the tubing, make sure that the tubing is cut squarely and push into the fitting as far as possible.

Compressor output has excessive moisture

- Check air filter position and condition for moisture and service/ reposition the filter to reduce moisture intake.

Compressor has excessive noise or vibration

- Ensure the battery or power supply voltage is adequate for the compressor.
- Ensure the compressor mounting bracket and mounting bolts are tight.
- The compressor internals may be damaged or have excessive wear.



AFTER SALES & SERVICE
FREECALL 1800 247 224

