SIMPSON DIGITAL AIR COMPRESSOR

160LPM / 300LPM

OWNERS MANUAL



ITEM NUMBERS: 10048678 / 10048679

CONTENTS & KEY SPECIFICATIONS

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- 1 x Air Compressor
- 1 x Carry Bag
- 1 x Multi Tyre Hose Kit
- 1 x Fittings Pack

KEY SPECIFICATIONS

SPECIFICATION	160LPM	300LPM
Voltage	12V DC	12V DC
Airflow	160LPM	300LPM
Maximum Pressure	150PSI	150PSI
Pressure Units	PSI / kPa / bar / kg/cm²	PSI / kPa / bar / kg/cm²

HINT:

Before first use, unpack all components and check that they are present, undamaged and correctly fitted. Do not use the compressor if any component is missing, loose or appears unsafe.

IMPORTANT SAFETY INFORMATION

ELECTRICAL & GENERAL USE

- Use with a 12V DC vehicle electrical system only.
- Keep the compressor, leads and connections dry. Moisture and dust resistance does not mean the compressor is waterproof.
- Fully uncoil the power lead and hose before operation. Keep them away from sharp edges, moving parts and hot exhaust components.
- Do not disassemble, modify or attempt internal repairs.
- Operate on a stable, level and well-ventilated surface only.

HOT SURFACES

- Compressor cylinders, cooling fins, hose fittings, couplers and nearby metal parts may become extremely hot during and after operation.
- Touch only the designated handle and controls while the unit is running.
- Allow the compressor to cool completely before handling, packing away or storing.

TYRES & COMPRESSED AIR

- Never exceed the tyre, rim, hose or compressor maximum rating.
- Never direct compressed air at people or animals.
- Do not leave the compressor unattended while operating.
- Keep children and bystanders away from the operating area.
- Refer to the vehicle and tyre manufacturer's recommendations when selecting tyre pressures.

GOOD PRACTICE

- Where safe and permitted, keep the vehicle engine running to reduce battery drain. Never run an engine in an enclosed or poorly ventilated area.
- Check all clamps, chucks and hose fittings before switching the compressor ON.
- Stop the compressor if it smells unusually hot, trips protection or behaves abnormally.

WARNING!

HOT SURFACES DURING AND AFTER OPERATION. ALLOW UNIT AND FITTINGS TO COOL BEFORE HANDLING OR STORAGE. READ INSTRUCTIONS BEFORE USE.

START GUIDE

BEFORE CONNECTING

- Inspect the compressor, hoses, fittings, clamps and carry bag for damage.
- Confirm the air filter is fitted, clean and dry.
- Check the tyre manufacturer's recommended pressure.
- Place the compressor near the battery on a dry, stable surface.

CONNECTING THE SYSTEM

- Connect the hose kit to the compressor outlet or manifold and make sure the quick-connect sleeve locks back into place.
- Attach the tyre valve chucks firmly to the required tyres. Keep unused outlets sealed or closed.
- Connect the red battery clamp to the positive (+) terminal, then connect the black clamp to the negative (-) terminal or approved earth point.
- Start the car before turning the compressor on, otherwise the compressor will drain and potentially damage the battery.
- Switch the compressor ON. The display will illuminate and show the live tyre pressure.

PRESET AUTOMATIC MODE

- Press the unit button to select PSI, kPa, bar or kg/cm^2.
- Use the + and – buttons to choose the target pressure.
- Press START/STOP. The compressor will inflate to the selected target pressure.
- If you want to deflate your tyres slightly, press the rubber button next to the hose coupler on the rear of the compressor. This can be used to release a small amount of pressure if you over inflate your tyres. To deflate your tyres quickly, we recommend using an OZtrail Tyre Deflator.
- The compressor will stop automatically when the target pressure is reached.
- Verify the final pressure before driving. Stop the compressor to obtain the most stable reading.
- Refer to the Shutdown & Pack-Down Guide for instructions on how to safely finish using and store this product.

NOTE:

The control panel may pause briefly several times during operation to stabilise and sample pressure.
Short 1–2 second pauses are normal and help improve final pressure accuracy.

TYRE SAFETY, SHUTDOWN & STORAGE

TYRE PRESSURE & OFF-ROAD USE

- Inflate tyres only to the vehicle or tyre manufacturer’s recommended cold pressure.
- Do not drive at highway speed on deliberately reduced off-road pressures.
- Reinflate tyres before returning to sealed-road or high-speed driving.
- Avoid sharp turns, hard braking and excessive speed when tyres are partially deflated.
- Do not inflate a damaged tyre, damaged rim or damaged valve. Seek professional inspection.

PRESSURE RESPONSIBILITY

Correct tyre pressure varies with tyre type, vehicle load, terrain and operating conditions. The driver remains responsible for selecting and verifying a safe pressure for the vehicle and conditions.

SHUTDOWN & PACK-DOWN GUIDE

1. Press START / STOP and switch the compressor OFF.
2. Disconnect the black negative clamp first, followed by the red positive clamp.
3. Disconnect tyre chucks and fittings from the tyres and the rear of the compressor. It is normal for a small amount of air to escape when you disconnect these fittings.
4. Allow the compressor, cooling fins, fittings and couplers to cool completely.
5. Clean and dry the equipment before packing it back into the carry bag.
6. Store in a cool, dry place away from children, fuel, corrosive chemicals and direct sunlight.



WARNING: HOT SURFACES

COMPRESSOR CYLINDERS, HOSE FITTINGS, COUPLERS AND SURROUNDING METAL PARTS MAY BECOME EXTREMELY HOT DURING AND AFTER OPERATION.

DO NOT TOUCH HOT SURFACES.
SWITCH OFF AND ALLOW ALL COMPONENTS TO COOL COMPLETELY BEFORE HANDLING, DISCONNECTING, PACKING AWAY OR STORING.

- **READ AND UNDERSTAND THE OWNER'S MANUAL BEFORE USE.**
- **OPERATE ON A STABLE, LEVEL AND WELL-VENTILATED SURFACE.**
- **DO NOT COVER THE COMPRESSOR WHILE OPERATING OR COOLING.**
- **KEEP AWAY FROM CHILDREN AND COMBUSTIBLE MATERIALS.**
- **DO NOT LIFT OR CARRY BY THE HOSES OR POWER LEADS.**
- **DISCONNECT FROM POWER BEFORE CLEANING AND STORING.**
- **ALLOW THE COMPRESSOR AND FITTINGS TO COOL DOWN COMPLETELY BEFORE PACKING AWAY.**

IMPROPER USE OR FAILURE TO FOLLOW THE SUPPLIED INSTRUCTIONS MAY RESULT IN SERIOUS INJURY OR PROPERTY DAMAGE.

CARE & MAINTENANCE

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- After each use, wipe external surfaces clean and remove dust from cooling fins, the base tray and air intakes.
- Inspect the air filter regularly and remove any loose dust or debris. Replace the filter if it is damaged or excessively dirty. Always ensure the filter is clean, dry and correctly fitted before use.
- Remove the cover only when the unit is OFF, disconnected and cool.
- Inspect hoses, valve chucks, couplers, clamps and cables for cuts, heat damage, corrosion, loose connections or leaks.
- Keep the compressor dry. Water ingress, corrosion and dirt ingestion can lead to performance loss and are not normal-use defects.

GENERAL USE

- Check that the battery clamps are making clean, firm contact.
- The car will need to be running for the compressor to work properly and avoid draining the battery.
- Allow the compressor to cool for at least 15 minutes if thermal protection has activated.
- Inspect the hose kit and tyre chucks for leaks, kinks or open outlets.
- Clean the air filter and make sure it is correctly fitted.
- Confirm the target pressure and pressure unit are set correctly.
- Stop the compressor before checking final pressure if the reading appears unstable.
- Do not disassemble the compressor. Internal repair attempts, unauthorised modification or water damage are not manufacturing defects.

TROUBLESHOOTING

ISSUE	POSSIBLE CAUSE	WHAT TO DO
Compressor does not power on	1. Poor clamp contact 2. Wrong polarity 3. Flat battery 4. Blown fuse or tripped protection	Switch OFF. Check clamp polarity, clean contact points, check the battery charge and inspect the fuse / protection device. Allow cooling time if the unit is hot.
Display is on but motor does not start	1. Back pressure in the line 2. Target already reached 3. Auto mode not started	Reduce line pressure slightly if needed, confirm the target pressure and press START/STOP again.
Motor starts after a short delay	1. Back pressure in the hose system	This can be normal. Wait a few seconds and allow the compressor to start.
Compressor runs but pressure does not increase	1. Loose chuck 2. Open unused outlet 3. Hose leak 4. Damaged tyre valve	Stop the compressor and check every chuck, outlet, hose and valve. Seal unused outlets and retry.
Inflation is slower than expected	1. Low battery voltage 2. Dirty filter 3. Hose restriction 4. Tyre leak	Run the vehicle engine where safe and permitted, clean the air filter, straighten kinks and inspect for leaks.
Compressor stops during use	1. Target pressure reached 2. Thermal protection activated 3. Supply problem	Check the display first. If the unit is hot, switch OFF and allow at least 15 minutes cooling before reuse. Inspect the electrical supply.
Compressor becomes very hot	1. Extended use, high ambient temperature or poor airflow	Switch OFF. Move the unit to a well-ventilated area and allow it to cool completely. Do not cover the unit while operating or cooling.
Circuit breaker / fuse keeps tripping	1. Electrical overload 2. Damaged lead 3. Poor battery condition	Stop use and inspect the lead, clamps and power source. Do not continue until the cause has been identified.
Final pressure is inaccurate	1. Target set incorrectly 2. Checking pressure while unit is still running	Stop the compressor, allow the reading to stabilise and verify the final pressure with a trusted gauge if necessary.
Uneven pressure between tyres	1. Tyres started at very different pressures or one connection is leaking	Disconnect and check each tyre individually, then reconnect once pressures are closer.
Abnormal vibration or noise	1. Unstable surface 2. Loose hardware 3. Internal fault	Stop use immediately. Move the unit to a stable surface. If the sound continues, discontinue use and seek service assistance.
Weak airflow after storage	1. Blocked filter, dirt ingestion or hose obstruction	Clean the filter, inspect the hose system and remove any obstruction. Do not operate without a filter fitted.
Burning smell or visible smoke	1. Severe overload or internal fault	Switch OFF immediately, disconnect from power and do not reuse until inspected by an authorised service technician.

SERVICE :

If the compressor has been submerged, emits smoke, repeatedly trips protection, will not restart after cooling or shows signs of internal damage, stop using it and contact your place of purchase or Adventure Operations for assistance.

WARRANTY POLICY

LIMITED WARRANTY AGAINST DEFECTS

1. This Limited Warranty is provided by Adventure Operations Australia Pty Ltd ABN [43 622 679 887] trading as OZtrail in our capacity as supplier and manufacturer of the Products.

Our contact details are:
Address: 71 Charles Ulm Place, Eagle Farm, 4009 QLD.
Phone number: 07 3193 1110
Email address: warranty@adventureoperations.com

OUR LIMITED WARRANTY

2. This Limited Warranty applies in addition to any other express warranty or warranties against defects we may supply from time to time for specific Products. If the individual packaging, accompanying product information or labelling of a Product specifies a different warranty period from the 12 month warranty period provided in this Limited Warranty, the packaging Warranty Period will apply instead but on the same terms as this Limited Warranty.

The warranty period for this product is 2 years.

3. Moving forward, in this Limited Warranty, Warranty Period means:

a) for all OZtrail Products, 12 months from the date of original purchase of the relevant OZtrail Product; or

b) another time period set out in the individual packaging, product information, labelling, or accompanying a specific OZtrail Product.

4. Under this Limited Warranty, we warrant that products distributed by Adventure Operations Australia Pty Ltd and any of our subsidiaries (Products) will be free from defects in materials and workmanship under normal use (as described in the published product documentation accompanying or applicable to the relevant product) for the relevant Warranty Period (Limited Warranty).

5. If a defect in materials or workmanship becomes apparent under this Limited Warranty within the Warranty Period described above, subject to any additional rights you have under the Australian Consumer Law or any applicable local law, we agree to replace or refund covered Product parts that prove defective through normal use during the Warranty Period. We may alternatively agree to repair certain Products through our qualified agents, where such facilities are available. Without limiting any rights you have under the Consumer Law, the following conditions also apply to the Limited Warranty:

a) in replacing a defective product under the Limited Warranty, we may, at our discretion, substitute the product with a product model of equivalent nature where the exact model of the defective product is unavailable;

b) we may elect, at our discretion and as an alternative to repairing or replacing a defective part, to refund the cost of the relevant product upon it being returned to us or one of our authorised resellers;

c) this Limited Warranty does not extend or apply to any claim you or any other person may have for damage for any loss (including without limitation consequential damages or loss of profit, freight/shipping or travel costs), or otherwise damage howsoever caused whether or not such loss or damage arises as a result of any defect in the product or from the failure or omission on our part to comply with any obligation at law relating to the defect;

d) this Limited Warranty does not apply to damage caused by your failure and damage caused by improper use and abuse, fair wear and tear, accidents, misuse (including failure to follow instructions regarding care and maintenance of the product), neglect, disassembly, alterations or external causes such as, but not limited to, water damage, exposure to sharp objects, exposure to excessive force, anomalies in the electrical current supplied to the product (if applicable), and extreme thermal or environmental conditions; and

e) this Limited Warranty does not extend to any Products acquired for the purposes of re-supply, or for use in a manufacturing, or repair processes.

REPAIR FACILITIES AND SPARE PARTS

6. Please note that we have very limited repair facilities for our Products. This means that subject to any limited repair facilities offered through authorised repair agents, we are not able to repair broken or damaged Products that are broken or damaged by you or are defective. For defective Products, this Limited Warranty and your rights under the Australian Consumer Law will apply and in most cases the remedy will be limited to a refund or replacement.

7. OZtrail carries spare parts for many, but not all, of our Products. A comprehensive catalogue of our spare parts can be found at: Camping Gear Spare Parts. This means that where a Product is broken or damaged by you, we may not be able to provide you with a spare part for that Product. Where a Product is defective, you will be entitled to your rights under this Limited Warranty and the Australian Consumer Law, and in most cases the remedy will be limited to a refund or replacement.

HOW TO CLAIM THE LIMITED WARRANTY

8. This Limited Warranty is only valid and enforceable in Australia or New Zealand and will apply only if you have purchased the Product from us directly or from one of our authorised resellers.

9. This Limited Warranty may be claimed by you if a defect becomes apparent in the Product within the Warranty Period.

10. To claim this Limited Warranty you must do either of the following:

a) return the defective product to its place of purchase within the Product's Warranty Period, with a detailed proof-of-purchase clearly showing the date and detail of the purchase;

b) make the warranty claim directly with us by returning the defective Product to our address at Adventure Operations, 71 Charles Ulm Place, Eagle Farm, 4009 QLD accompanied by a detailed proof-of-purchase clearly showing the date and detail of the purchase;

c) make the warranty claim directly with us by emailing us at warranty@adventureoperations.com accompanied by a detailed proof-of-purchase clearly showing the date and detail of the purchase. We may require you to mail us the product or email us photographs of the defect and Product.

11. Where you return the defective Product in-store to the place of purchase, our authorised reseller will inspect the Product and proof-of-purchase to determine if this Limited Warranty has been complied with and can be claimed. They will also determine the remedy available to you under this Limited Warranty.

12. Where you make the warranty claim directly with us, we will inspect the Product (including by inspecting photographs you send to us over email) and the proof-of-purchase to determine if this Limited Warranty has been complied with and can be claimed. We will also determine the remedy available to you under this Limited Warranty.

EXPENSES

13. You must bear the expense of claiming a remedy under this Limited Warranty, including postage and transport costs of returning the product. If we or our authorised reseller determine you are entitled to a remedy under this Limited Warranty, we will reimburse you for any reasonable expenses you have incurred in making the claim, provided you supply us with proof of such expenses.

YOUR RIGHTS UNDER THE CONSUMER LAW

14. Products distributed by Adventure Operations Australia Pty Ltd and any of our subsidiaries come with guarantees that cannot be excluded under the Australian Consumer Law or the New Zealand Consumer Guarantees Act 1993 (Consumer Law) (as the case may be). You are entitled to a replacement or refund for a major failure (or, where the New Zealand Consumer Guarantees Act 1993 applies, a failure of a 'substantial character') and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if products fail to be of acceptable quality and the failure does not amount to a major failure (or a failure of a substantial character, as the case may be).

CONTACT US

15. If you have any questions concerning this warranty policy, you may contact us in writing: Adventure Operations, 71 Charles Ulm Place, Eagle Farm, 4009 QLD, or by email: warranty@adventureoperations.com or visit our website: adventureoperations.com.

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WARRANTY - For details see www.oztrail.com.au/warranty

OZtrail® is a registered trademark of
Adventure Trading Australia Pty Ltd

Designed by:
Adventure Trading Australia Pty Ltd
71 Charles Ulm Place,
Eagle Farm, QLD 4009
AUSTRALIA