

BLACK RIDGE

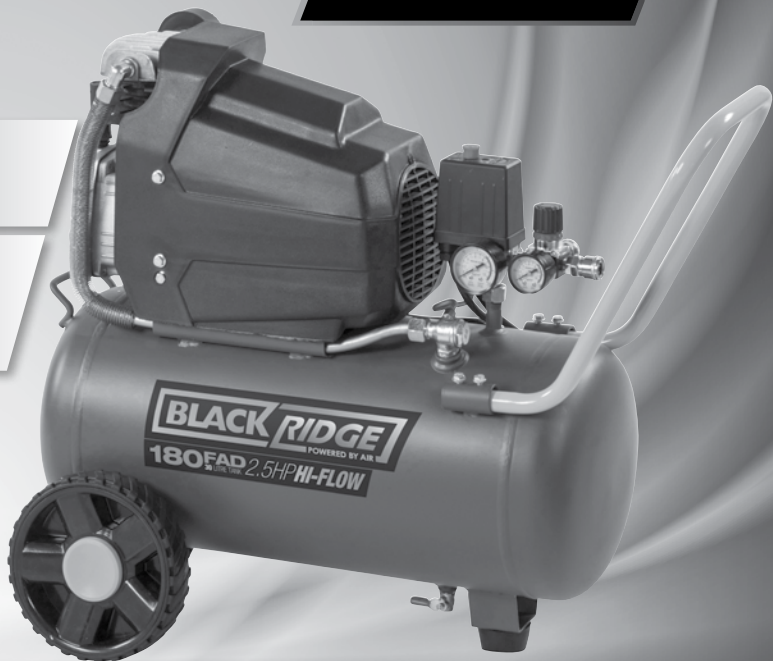
POWERED BY AIR

AIR COMPRESSOR MANUAL

HI-FLOW

*Portable compressor for
medium duty DIY task
around the home*

**MODEL NO.
BR180D**



*For service, spare parts or product information,
please contact Smart Marketing Group Pty. Ltd.*

AUST. 1300 660 457 N.Z. 0800 474 876



Recyclable
Cardboard

SUGGESTED APPLICATIONS

You may use most air tools with this compressor. Some examples of tools are:

CLEANING	FASTENING
• Engine cleaning gun	• Framing gun
• Sandblaster kit	• C-bradder
• Air blow gun	• T-nailer
• Abrasion kit	PAINTING
TOOLS	• Gravity feed spray gun
• Air hammer	• Low pressure spray gun
• Air drill	• Touch up spray gun
• Impact wrench	• High pressure spray gun
• Sander	
• Die grinder	

Always check the air requirement of the tool wishing to be used to ensure that it is within this air compressors air output. Attaching air tools that draw more than 180 litres per minute, free air delivery, to this air compressor, may cause them not to operate to the tools' full potential. The listed air tools and accessories above are not included with this air compressor.

Specifications

Air Compressor	BR180D
Voltage	240V AC ~ 50Hz
Motor	Electric 2.5 HP
Wattage	1950W
No Load Speed	2800 RPM
FAD (Free Air Delivery)	180L per minute
Tank Size	30L
Duty Cycle	75%
Max Tank Pressure	115PSI (8BAR)
Outlet Pressure	1PSI - 115PSI Adjustable
Lubrication	Oil Splash
Oil Type	SAE30
Minimum Generator Size	Pure Sine Wave 3500W
Noise Rating	80dB@5m
Motor/Pump	Kicks In 85PSI
Pressure Cycle	Stops 115PSI
Number Of Outlets	2

CONTENTS

Section	Page
Contents	2
Suggested Applications	2
Introduction	3
Guarantee	3 – 4
General Safety Instructions	5 – 7
Electrical Information	8
Specific Safety Instructions	8
Components and Controls	9
Operating Instructions	10 – 16
Maintenance	17
Trouble Shooting	17
Parts Diagram	18
Notes	19
Contact Information	20

INTRODUCTION

Dear Customer,

Thank you for purchasing this compressor which has passed through our extensive quality assurance processes. Every care has been taken to ensure that it reaches you in perfect condition. However, in the unlikely event that you should experience a problem, or if you require any assistance please do not hesitate to contact us;

If you have a problem, call customer service do not return this compressor to the place of purchase.



Note: For convenience we suggest taking a photocopy of your purchase receipt as the original may fade.

CUSTOMER SERVICE

Australia: 1300 660 457

New Zealand: 0800 474 876

Operating times: Monday – Friday

8.00am - 5.00 pm

Australian Eastern Standard Time (AEST)

EXPRESS WARRANTY STATEMENT COMPRESSOR

You are not required to do anything to register your compressor purchase. Please attach the purchase receipt to this manual and ensure both are kept safe. We hope you enjoy your new compressor, and if you have any problems call customer service on the above phone numbers. Do not return to place of purchase.

Smart Marketing Group Pty Ltd (SMG) warrants that this compressor will be free from manufacturing faults or defects for 12 months from the date of purchase, providing original purchase receipt is kept and shown when needed and is subject to the terms and conditions below.

If a warranty fault appears within the warranty period, SMG reserves the right to replace or repair the product. In the event that SMG chooses to replace the product, this original warranty will expire at the original date. If the product includes various accessories or components, only the defective accessory or component will be replaced or repaired.

SMG reserves the right to replace defective parts of the product with parts and components of similar quality, grade and composition where an identical part or component is not available.

Products presented for repair may be replaced by refurbished products of the same type rather than being repaired. Refurbished parts may be used to repair the products.

What is covered.

- Manufacturing fault or defect.

How to claim under this warranty.

- Call customer service, phone number to the left.
- Ensure you have the following: Original purchase receipt, Model of compressor, Serial number of compressor.
- Discuss the issue.
- Customer service will advise which authorised service agent to take the compressor to provided the issue is a warranty one.
- Take compressor to authorised service agent for repair.

What is not covered.

- Commercial use of compressor.
- Use of compressor in a commercial premises.
- Damage caused by incorrect fuel or incorrectly mixed 2 stroke fuel.
- Damage or deterioration due to transport.
- Damage caused by negligence, misuse, abuse or accident or incorrect voltage and wattage.
- Any corrosion or rusting.
- Damage caused by incorrect set up and start up.
- Replacement parts due to general wear and tear.
- Compressors with serial number defacement, modification or removal.
- Compressors which have been serviced by other than an authorised SMG service agent.
- Compressors with no original purchase receipt.
- Compressors which have been on sold, not original purchaser.
- Damage due non-servicing of compressor as is required by this manual.
- Blockages / damage caused by dust, dirt, spiders webs or insects.
- Damage caused by the incorrect fitting of accessories.
- Damage caused by overloading, overworking the compressor.
- Damage to attached equipment or third party accessories.
- Damage caused by attached equipment or third party accessories.

CONTACT DETAILS

Smart Marketing Group Pty Ltd
33-35 Lionel Road, Mt. Waverley
Victoria 3149, Australia.
Tel (+613) 9543 7266
Fax (+613) 9543 9839
service.group@sitro.com.au

COMPLETE WARRANTY STATEMENT – COMPRESSOR

As soon as you have purchased the compressor, we recommend that you check to make sure it is intact and that you read the operating instructions carefully before using it. The purchase receipt for this product is to be retained and must be presented if making a claim under the terms of the Smart Marketing Group (SMG) warranty. Bank account statements are not acceptable for proof of purchase.

This warranty does not cover compressors intended for hire or use in commercial applications or in commercial premises. The warranty will under no circumstances extend to reimbursement or payment of damages, whether direct, indirect or consequential. The warranty is void if there is evidence the compressors has been modified or tampered with in any way or used with unauthorised accessories without our consent.

SMG declines any responsibility or liability whatsoever arising from misuse or abuse, negligent handling of the compressors or if the product has not been installed or failure to comply with the relevant safety, operating, setting and maintenance instructions (see further in this manual).

The warranty does not extend to installation or disconnection costs.

Any item sent freight forward/collect for repair will be refused. Warranty repairs are free of charge, provided the appliance is delivered to our service department or authorised service agent. The compressor will need to be returned, adequately protected in a box. SMG will not be responsible for any in-transit loss or damage. Assistance under the warranty will only be made available if the request is made to our customer service team on the contact numbers listed below and proof of purchase is provided.

This is a repair only warranty you will need to take the compressor to the authorised service agent after contacting our customer service centre.

If the product includes various accessories or components, only the defective accessory or component will be replaced or repaired.

SMG reserves the right to replace defective parts of the product with parts and components of similar quality, grade and composition where an identical part or component is not available.

Products presented for repair may be replaced by refurbished products of the same type rather than being repaired. Refurbished parts may be used to repair the products.

Damage caused by third party accessories is not covered under this warranty.

Damage caused to attached equipment or third party accessories will not be covered under this warranty.

Rust and corrosion are not covered under this warranty.

If a warranty fault is found the freight cost will be credited to the owner. If no fault is found the product will be returned and any costs associated with the service will be charged to the owner.

Blockages caused by spider webs, insects, dirt, accumulated dust, incorrect fuel or incorrectly mixed 2-stroke fuel are not covered by warranty. SMG reserves the right to replace or repair the appliance within the warranty period. Parts found to be defective due to a manufacturing default will be replaced free of charge.

In the event of SMG choosing to replace the appliance, the warranty will expire at the original date of purchase. If no warranty fault is found the owner will be advised and the product will be returned and any costs associated with the service will be charged to the owner.

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. The benefits of this warranty are in addition to any rights and remedies imposed by Australian State and Federal legislation that cannot be excluded.

In New Zealand, this SMG warranty is in addition to the conditions and guarantees which are mandatory as implied by the New Zealand Consumer Guarantee Act 1993. For service, spare parts or product information please contact customer service:

Australia: 1300 660 457

New Zealand: 0800 474 876

CONTACT DETAILS

Smart Marketing Group Pty Ltd
33-35 Lionel Road, Mt. Waverley
Victoria 3149, Australia.
Tel (+613) 9543 7266
Fax (+613) 9543 9839
service.group@sitro.com.au

LUBRICATION OF COMPRESSOR

Before attempting to operate this air compressor the transport plug must be removed, thrown out and replaced with the oil breather. Check the oil level to ensure the level is to the top of the red dot on the sight glass; refer to page 10 for complete details and diagram. Failure to do these may result in damage to the air compressor and / or injury to the user.

PLEASE follow the instructions noted on page 10 on changing the transport plug to the oil breather.

ASSEMBLY

This compressor **MUST** be fully assembled by you prior to use. Failure to do so will result in the warranty being VOID. Failure to fully assemble this compressor may also result in personal injury.

MANOEUVRING

When moving this air compressor always use the handle to lift slightly and pull/push using the attached wheels. If you must lift this air compressor always use a 2 person lift due to its weight and size. Failure to use 2 person lift may result in personal injury.

SAFETY

Before attempting to operate this air compressor the following basic safety precautions should be taken to reduce the risk of fire, electric shock and personal injury. It is important to read the instruction manual and to understand applications, limitations and potential hazards associated with the air compressor. This air compressor is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.

BEWARE OF CHILDREN AND PETS

Children and pets should be kept out of the work area. Children should not be allowed to touch or operate the air compressor, tools or extension cords. This air compressor is not designed for use by young children or infirm persons without supervision. The air compressor and tools should be kept out of reach of children, preferably stored or locked in a secure cabinet or room when not in use.

WORK AREA

Work areas and benches should be kept tidy. Cluttered benches and work areas can cause accidents. Floors should be kept clean and free from rubbish. Special care should be taken when the floor is slippery due to sawdust or wax. Always leave sufficient distance, at least 5 metres between the air compressor and the work area, especially when using tools designed for sanding or spraying liquids.

WORK ENVIRONMENT

Do not expose your air compressor to rain or use in damp or wet conditions. Keep the work area well lit. Always ensure your compressor is level and stable. Using your compressor on unlevel or unstable ground may cause a lack of lubrication and the pump to seize, this damage will not be covered under warranty.

GUARD AGAINST ELECTRIC SHOCK

Avoid body contact with earthed or grounded surfaces (e.g. pipes and refrigerators).

DO NOT OVERLOAD AIR COMPRESSORS

The air compressor will do a better, safer job and give you much better service if it's used at the duty cycle for which it was designed. The duty cycle will only take effect after the initial (1st) tank fill for the day. This air compressors duty cycle is 75%. Duty cycle is the proportion of time during which the air compressor is operating compared with not operating. For example a 75% duty cycle could mean after 45 seconds of operation, motor pumping, the air compressor must be left for 15 seconds resting, motor not pumping. When the motor is pumping the attached air tool can not be used. Simple way to understand duty cycle is only use the attached air tool while the compressor is not pumping. Stop using the attached tool as soon as the air compressor starts pumping.

USE THE RIGHT TOOL

Select the right tool for the job. Do not use a tool for a job for which it was not designed. Do not force a small air compressor to do the job of a heavy-duty air compressor. Do not use the air compressor for purposes not intended.

DO NOT ABUSE THE POWER CORD

Never yank or pull on the power cord to disconnect it from the mains supply socket. Never carry or pull your air compressor by its power cord. Keep the power cord away from heat, oil, solvents and sharp edges. Regularly check the plug and cord and if damaged have it replaced by an authorised service facility.

EXTENSION CORDS AND REELS

This air compressor **MUST** be plugged directly into a 240V AC wall socket.

This air compressor is **NOT** designed to be run off an extension cord/lead. If you need extra distance do **NOT** use an extension cord, **USE A LONGER AIR HOSE**.

The use of extension cords may cause power voltage loss and will result in damage to the motor. This will **NOT** be covered under warranty.

SECURE THE WORK PIECE

Whenever possible secure the work piece using clamps or a vice. It is safer than using your hands or feet and leaves both hands free to control the tool.

HOT COMPONENTS

Beware many of the components will get hot during use. Never touch any of the metal pipes, pump or motor as these may burn.

MAINTAIN YOUR AIR COMPRESSOR WITH CARE

Follow the instructions for lubricating and changing accessories. Check the air compressor power cord periodically and if damaged have it replaced by an authorised service facility. Keep handles clean, dry and free from oil and grease. Ensure that ventilation slots are kept clean and free from dust at all times. Blocked ventilation slots or air filter can cause overheating and damage to the motor and this will not be covered under warranty.

DISCONNECT AIR COMPRESSOR

Ensure that the air compressor is disconnected from the mains supply when not in use, before servicing, lubricating, making adjustments or when changing any accessories.

REMOVE ADJUSTING KEYS AND WRENCHES

Form the habit of always checking to see that any adjusting keys or wrenches have been removed from the air compressor or attached air tools before operating.

AVOID UNINTENTIONAL STARTING

Ensure that the switch is in the 'OFF' position before plugging the air compressor into the mains supply.

PROTECT FURNISHINGS

If using the air compressor inside your house, protect furnishings and floors with a suitable dust sheet.

FIRE PRECAUTIONS

When using the air compressor inside your house or workshop general fire precautions should be observed. This means never leaving your air compressor turned on while not in attendance, never cover the air compressor while being used or while still hot from use, never use in areas where a spark may cause a fire, always use in clean areas. As a precaution it is recommended that an expert is consulted on obtaining and using a suitable fire extinguisher.

CLEANING YOUR AIR COMPRESSOR

NEVER UN-ASSEMBLE your air compressor to clean.

Always disconnect your air compressor from the mains power supply before you commence cleaning. Always ensure that your air compressor has cooled, about one (1) hour, before cleaning and storing. When cleaning your air compressor use only a damp soft cloth. **NEVER** use liquid or solvents of any type.

CHECK DAMAGED PARTS

Before using the air compressor it should be carefully checked to determine that it will operate properly and perform its intended function.

Check for the correct alignment of moving parts ensuring that they do not bind. Check for broken or missing parts and have them replaced or repaired at an authorised service facility. Check any other condition that may affect the operation of the air compressor. A guard or any other part of the air compressor that is damaged should be properly repaired or replaced by an authorised service facility unless otherwise indicated in this instruction manual.

Any switch that does not operate correctly must be replaced by an authorised service facility.

DO NOT use the air compressor if the RED 'ON / OFF' button does not turn the air compressor 'ON' and 'OFF'.

DO NOT use the power point switch to operate the air compressor as this will cause damage and injury may occur. Any damage will not be covered under warranty.

For assistance, product information, spare parts or service please contact Smart Marketing Group Pty. Ltd.

AUST. 1300 660 457

N.Z. 0800 474 876

PERSONAL SAFETY

Clothing

Do not wear loose clothing, jewellery or anything that could get caught in moving machinery.

Hair

Long hair should be tied back or contained in a protective covering.

Eye Protection

The use of safety goggles is highly recommended (normal glasses are not sufficient for eye protection) when using an air compressor. Prescription glasses do not have safety lenses.

Footwear

Where there is the risk of heavy objects or if there is a risk of slipping on wet or slippery floors, suitable non-slip safety footwear should be worn. Protect your feet from dropping accidents.

Ear Protection

The use of ear protection is highly recommended when using air compressors. The continual noise may damage your ears.

Respiratory Protection

When operating any machinery that creates dust or when spray painting, an approved dust / filter mask must be worn. When machining concrete, man made fibres, especially MDF (Medium Density Fibre board), the resin used in these materials can be hazardous to your health. Use an approved face mask with replaceable filter.

Do Not Over Reach

Do not over reach. Keep a proper footing and maintain your balance at all times. Avoid using abnormal stances and awkward body positions.

Stay Alert

Watch what you are doing, use common sense, and never operate an air compressor when you are tired, drinking alcohol, taking drugs or if taking medication that causes drowsiness.



WARNING

Only use compressor with oil breather fitted.

Only use compressor when fully assembled

Do not attempt to modify the air compressor in any way; this will VOID your warranty.

The use of any attachment or accessory other than those recommended in this instruction manual could result in damage to the air compressor and could cause injuries to the operator.

This electric air compressor complies with Australian / New Zealand and International standards and safety requirements. Repairs should only be carried out by qualified persons using original spare parts. Failure to do so may result in considerable danger to the operator.

ELECTRICAL DATA



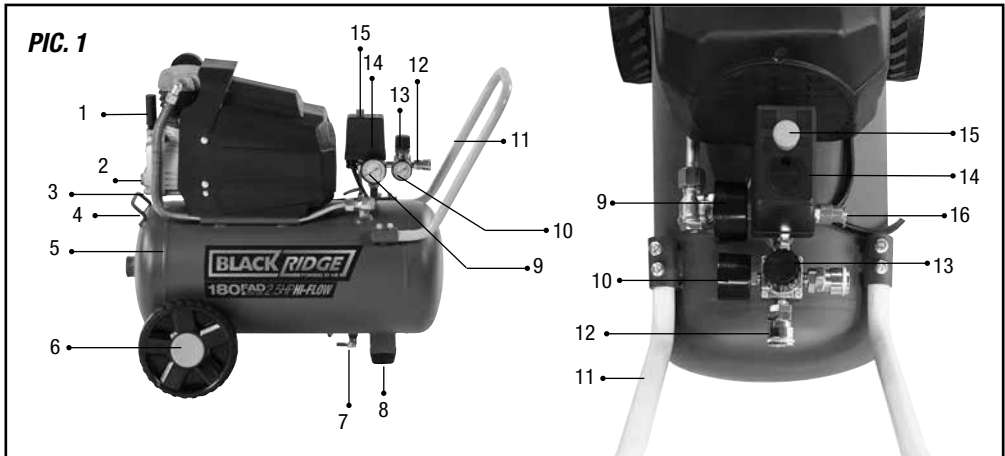
IMPORTANT

This air compressor is fitted with a sealed electrical connection plug that is compatible with the mains power supply for Australia / New Zealand and meets the requirements of Australian Standards. This air compressor must be connected to a supply voltage that is equal to that stated on the rating label. If the mains power connection plug or power cord becomes damaged it must be replaced with a complete assembly that is identical to the original, and this must be replaced by an authorised service centre. Always follow the Australian / New Zealand requirements for connection to the mains supply. If in doubt always consult a qualified electrician.

SPECIFIC SAFETY INSTRUCTIONS

Warning! Do not use the air compressor in areas where there is a risk of explosion or fire from combustible materials. The sparks generated from certain tools attached to air compressor can ignite combustible materials as well as flammable liquids, paint, varnish, petrol, flammable gases and dust of an explosive nature. As a precaution it is recommended that you consult an expert on a suitable fire extinguisher and its use.

- **Initially remove the transport plug and replace with the oil breather BEFORE using the first time, see page 10.**
- **Do not attempt to modify the air compressor, guards or the supplied accessories in any way.**
- **Domestic air compressors are designed for intermittent operation. Ideally a 75% duty cycle. (Meaning, 45 seconds ON motor pumping and 15 seconds OFF, motor not pumping). Simply put when the motor is pumping the attached air tool can not be used. Only use the attached air tool while the compressor is not pumping.**
- **Stop using the attached tool as soon as the air compressor starts pumping.**
- **Always check the oil level before use. The oil level should be above the red dot on the sight glass.**
- **Fully assemble compressor before use.**
- **Always ensure your compressor is level and stable. Using your compressor on unlevel or unstable ground may cause a lack of lubrication and the pump to seize, this damage will not be covered under warranty.**
- **Never run this compressor without the wheels and/or rubber stopper (s) being correctly fitted.**
- **Never use an extension cord with this compressor always use a longer air hose.**
- **Never connect to a generator which does not produce sufficient power, at least 3500W and has pure sine wave power output.**
- Domestic air compressors are not designed for industrial / commercial applications.
- Domestic air compressors are not designed for continuous running. Always follow duty cycle - 75%.
- Avoid touching the pump area as it can become very hot and may burn.
- Ensure that the air compressor is disconnected from the mains supply when not in use, before servicing, lubricating, making changes and when changing attachments such as air hoses / tools.
- Always use the correct type of tool for the operation to be carried out.
- Never use the air compressor if any part of the unit is damaged. Always have the air compressor serviced by an authorised service agent.
- Always wear safety eye, ear and respiratory protection when operating the air compressor.
- Allow the tank to completely fill before using the air compressor.
- If the air compressor makes an unfamiliar sound or vibrates excessively, switch the air compressor 'OFF' immediately and disconnect from the mains power supply. Investigate the possible cause or consult your authorised service facility.
- Always move the air compressor using the handle and wheels.
- Always use the air compressor on stable ground.
- This air compressor is designed to compress normal air. Never use to compress any other type (s) of gases.
- Never direct the jet of air or other liquids / gases towards your body, other persons or animals.
- Never direct the jet of air or other liquids / gases towards this air compressor.
- This air compressor is not suitable for pharmaceutical, food or sanitary purposes.
- This air compressor is not to be used to for filling scuba or oxygen air bottles or tanks.
- Always follow the instructions relating to the tools attached to this air compressor.



COMPONENTS AND CONTROLS

Pic. 1

1. Oil fill and breather
2. Oil sight glass
3. Oil drain bolt
4. Rear handle
5. Tank
6. Wheels
7. Tank drain tap
8. Twin rubber stoppers
9. Tank pressure gauge - large
10. Outlet pressure gauge - small
11. Front handle (Large and small)
12. Air outlet - nitto style socket
13. Outlet pressure regulator
14. Pressure switch
15. On / Off button – red colour
16. Safety Valve
17. Air filter (Not shown)
18. Transport Plug (Not shown)

OPERATING INSTRUCTIONS

Unpacking

Carefully unpack your air compressor. This air compressor is bulky and heavy, two (2) person lift required. Dispose of all packing material in an environmentally responsible manner.

Assembly

Your air compressor requires minor assembly before initial operation. Check that you have all components required for assembly and initial use.

Your compressor is filled with oil do not tip to assemble.

Oil Breather:

To fit the oil breather:

1. Remove the transport plug and throw away, see Pic. 2.
2. Screw in the oil breather, see Pic. 2.

Lubrication:

Warning: Your air compressor IS FILLED with OIL!

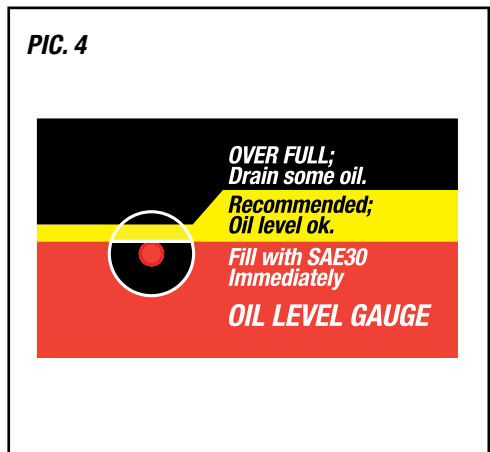
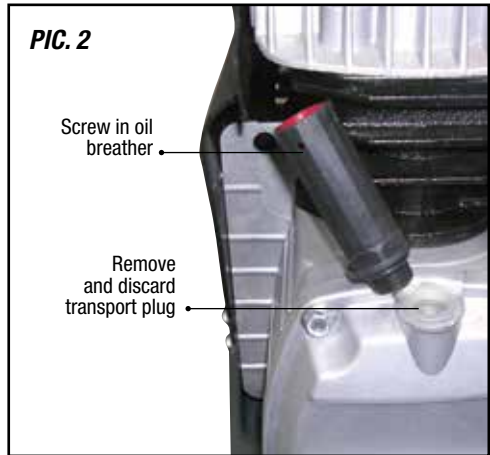
To check the oil level:

1. Always check the oil level when the air compressor is on flat and level ground.
2. To confirm the oil level lift the back, wheel end, up about 20cm, hold for about 1 minute and place back on ground.

Look at the sight glass and ensure the oil is above the red dot on the sight glass, as per the "OIL LEVEL GAUGE" label, see Pic. 3 and Pic. 4.

To add oil, if required, additional oil not included:

1. Remove oil breather.
2. Add oil, SAE30 to at least the top of the red dot, see Pic. 4.
3. Oil level will take about 1 minute to drain down and settle.
4. Check oil level in sight glass, see Pic. 3. Re-check and top up if required, until level is correct.



WARNING

Do not attempt to operate this compressor until it is fully assembled.

Damage caused due to incomplete assembly will not be covered under warranty.

Ensure the air compressor is disconnected from the power supply before carrying out any assembly, maintenance or adjustments on the machine.

Never under fill or over fill with oil.

RUBBER STOPPER

To attach the rubber stoppers to the bracket located on the bottom of the tank;

1. Undo the nut and remove the washers.
2. Push through the bracket and replace the washer.
3. Tighten the nut, Pic. 5.



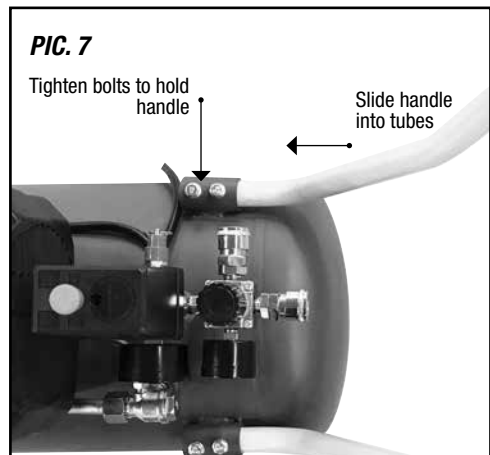
WHEELS

1. Insert a bolt through the wheel.
2. Push through the tank wheel bracket.
3. Tighten the nut, Pic. 6.



HANDLE

1. Loosen bolts in tubes welded to the tank.
2. Push handle into tubes welded on the tank.
3. Tighten the bolts to hold handle in place, Pic. 7.



AIR FILTER

The supplied air filter must be used.

Failure to do so may result in irreparable damage and will void the warranty, Pic. 8

To install:

1. Carefully screw supplied air filter into the threaded hole on the top of the pump head. This only needs to be done up by hand. Do not use tools to tighten air filter.

NOTE: Do not OVER TIGHTEN as this may damage the air filter or cylinder head which will NOT be covered under warranty.



STARTING AND STOPPING YOUR AIR COMPRESSOR

Pic. 9

NOTE: Always ensure that you plug your air compressor into a standard 240V AC power point. Never use an extension cord as this can lead to a voltage drop which may cause power loss and over heating. Use a longer air hose if you need to get closer to your work area.

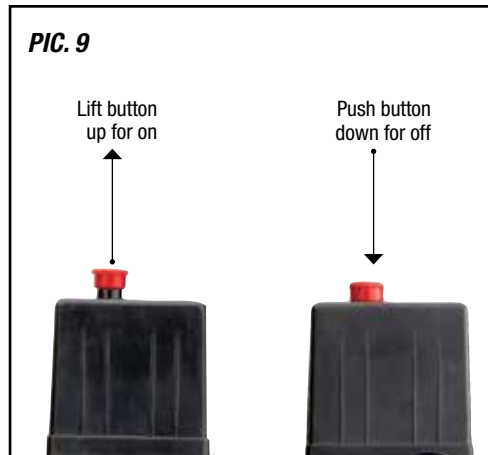
Always start and stop the compressor using the ON/OFF button on the Pressure Switch (Pic. 9). Never use the power point switch to operate the compressor as this will cause damage and injury may occur. Damage caused by not using this button will not be covered by warranty.

To turn your air compressor ON;

Lift up the red ON / OFF button on top of the pressure switch

To turn your air compressor OFF;

Push down the red ON / OFF button on top of the pressure switch



RUNNING IN YOUR NEW AIR COMPRESSOR

Before running in ensure that the following has been completed:

1. The transport plug has been removed and discarded, see pic. 2 page 10.
2. The oil breather has been fitted, see pic 4. page 10.
3. Oil level is correct, see page 10.
4. The air compressor has been fully assembled, see pages 10 – 12.

Your new air compressor requires running in:

1. Plug the power cord into a standard 240V AC power point
2. Open the tank drain tap
3. Start the air compressor using the ON / OFF button
4. Run the air compressor for approximately 1 minute

This ensures that the air compressor is fully lubricated under no load.

After the 1 minute stop the air compressor using the ON / OFF button. Allow to cool approximately 10 minutes. Recheck the oil level and top up if needed, additional oil, SAE30, not included.

Before starting your air compressor again ensure:

1. Tank drain tap is closed

Positioning your new compressor

Choose a location away from your work area and near to a mains power point.

- NOTE:
1. Never use an extension lead. Always use a longer air hose
 2. Always position compressor on level ground
 3. Always position compressor away from work area so that the inflator does not get covered in dust or paint - use a longer air hose to ensure inflator is in clean air

USING THE AIR COMPRESSOR

Before starting run through this simple list:

1. Transport plug removed and discarded, see Pic. 2, page 10.
2. Oil breather fitted, see Pic. 2, page 10.
3. Oil level – CORRECT (top of red dot). Please refer to diagram, Pic. 4, page 10.
4. Drain tap – open and drain tank
5. Drain tap – close fully
6. Check power lead for any damage. If damaged have replaced by an authorised service centre.
7. Plug air compressor into a standard 240V 10Amp AC power point and turn ON.
8. Lift the air compressor button to turn ON, see page 12, Pic. 9.
9. Allow the air compressor to fill the air tank.
10. Turn the air compressor OFF.
11. Turn the power point OFF and disconnect the power lead from the power point.
12. Connect your air hose and air tools.
13. Reconnect to the power lead to the power point and turn ON.
14. Turn your air compressor ON.
15. Once turned and you begin using the connected air tools the air compressor will start and stop without warning. This is controlled by the pressure switch. These pressure settings are factory set and should not be changed.

Pumping starts at (minimum) 85PSI and stops at (maximum) 115PSI. Once the initial pump up stage has finished you can adjust the outlet air pressure to the tools recommended working pressure.

PIC. 10



Above accessories and tools Not supplied, purchased separately.

The configuration of tools and accessories can be varied to suit your particular requirements. A basic recommended set up is shown in Pic. 10.

When you have finished using your air compressor follow these simple steps:

1. Turn your air compressor OFF, using the ON/OFF switch.
2. Turn the power point OFF and disconnect the power lead.
3. Disconnect your air tools and air hose.
4. Clean your air hose and air tools.
5. Store your air hose and air tools in a secure well ventilated cabinet.
6. Slowly open the tank drain tap, see page 16. This allows excess air and moisture, water, to vent.
7. Leave the tank drain tap open. This allows any moisture to drain while the air compressor is stored.

NOTE: Use of a water trap may be of benefit to ensure no water or moisture reaches your air tool.

ADJUSTING THE PRESSURE

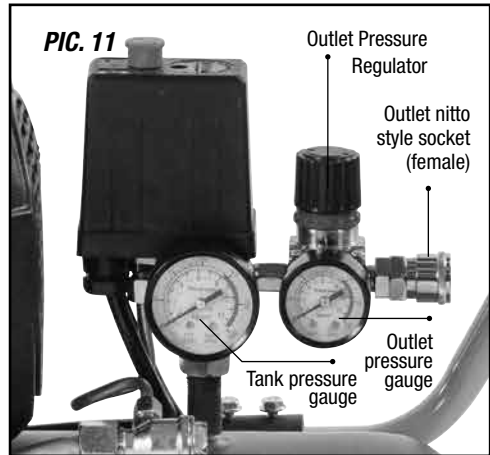
To adjust the outlet air pressure, use the outlet pressure regulator knob and check the pressure on the outlet pressure gauge, Pic. 11.

If the pressure needs to be lower, turn anti clockwise.

If the pressure needs to be higher, turn clockwise.

Use the gauge to ensure you set the correct working pressure.

Note: Different air tools require different operating pressures. Always check with the tool manufacturer if unsure.



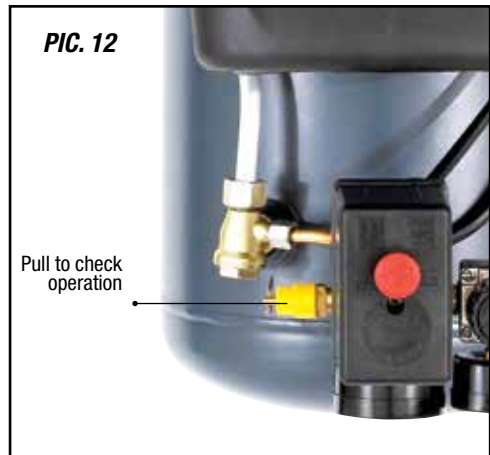
SAFETY VALVE

Pic. 12

NOTE: When checking the safety valve ALWAYS wear safety glasses.

To check the operation of the safety valve the air tank will need to be full. Gently pull the ring outwards. This should release air under pressure. Release the ring and this should stop the air out flow immediately.

If the safety valve does NOT work in this manner, STOP the air compressor immediately and have the air compressor checked / serviced by an authorised service centre.



IMPORTANT



NOTE

This compressor has a maximum pressure of 8 bar. Always regulate the air pressure to match your air tool. Different air tools require different operating pressures. Always check with the tool manufacturer if unsure.

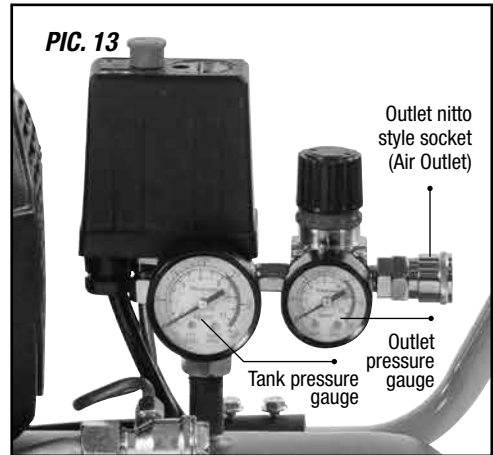
AIR OUTLET

Pic. 13

This air compressor is fitted with a 'Nitto style' (female) socket.

1. Slide the outer collar down.
2. Push in the 'Nitto style' male plug (not included).
3. Release the collar.
4. Fully and completely push the 'Nitto style' male plug (not included) into the 'Nitto style' female socket until it clicks.

Note: This compressor has a maximum pressure of 8 bar. Always regulate the air pressure to match your air tool. Different air tools require different operating pressures. Always check with the tool manufacturer if unsure.



DRAIN TAP

Pic. 14

After use open the drain tap to drain excess air and any moisture. The excess air will also help purge the moisture. Leave the drain tap open when air compressor is not in use, so any moisture can continue to drain

To open the drain tap pull the lever down to vertical.

To seal the drain tap push the lever up to horizontal.

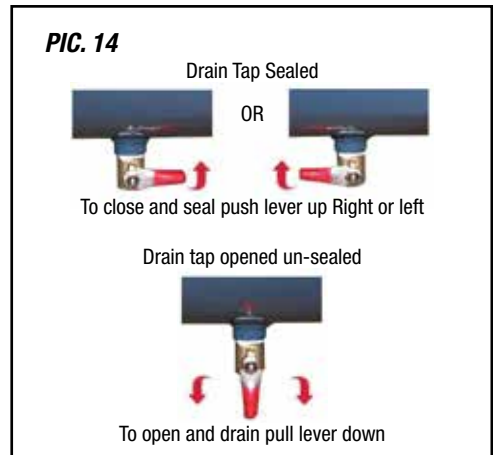
NOTE: Remember to seal the drain tap before starting the compressor.

CLEANING

ENSURE the air compressor is NOT running whilst cleaning. To keep the air compressor clean, always wipe down after use. Wear eye protection when cleaning. Only clean the air compressor with a damp soft cloth. NEVER use liquid or solvents of any type. Ensure ventilation slots are kept clean and free from dust/dirt build up.

STORAGE

When storing ensure the air tank has been emptied as per 'Drain Tap' above. Always store away from children, preferable in a locked room.



MAINTENANCE

Daily

Before use

1. Seal the tank drain tap, see page 16, Pic.14.
2. Check the oil level, see page 10, Pic. 4.
3. Check safety valve operation, see page 15, Pic. 12.

After use

1. Open the tank drain tap, see page 16, Pic.14.
2. Wipe down the air compressor.
3. Store safely and securely.

Every 50 Hours

1. Replace the air filter.
2. Drain oil completely and replace with fresh oil
To drain:
 - a. Loosen and remove the sight glass, Pic.15 and drain oil into a funnel / bottle and dispose of in an appropriate manner.
 - b. Once drained replace and tighten the sight glass.
 - c. Wipe up any oil spills.
 - d. Fill up to the top red dot on the sight glass with fresh clean oil. Refer page 10 for "To Add Oil, if Required" details. Refer to diagram Pic. 4, page 10.

NOTE: Use oil type SAE30.

PIC. 15

Remove oil drain bolt and drain used oil into funnel. Replace and tighten oil drain bolt



? TROUBLE SHOOTING

If your compressor does not start

- Check that you have plugged the power lead into a standard 240V 10Amp power point and turned the switch ON.
- Check that you have turned the air compressor ON/OFF switch ON.
- The air tank may be full. Use your air tool and the air compressor should start when the pressure decreases to 85PSI.

If your compressor does not build up pressure

- Check that the tank drain tap is sealed.

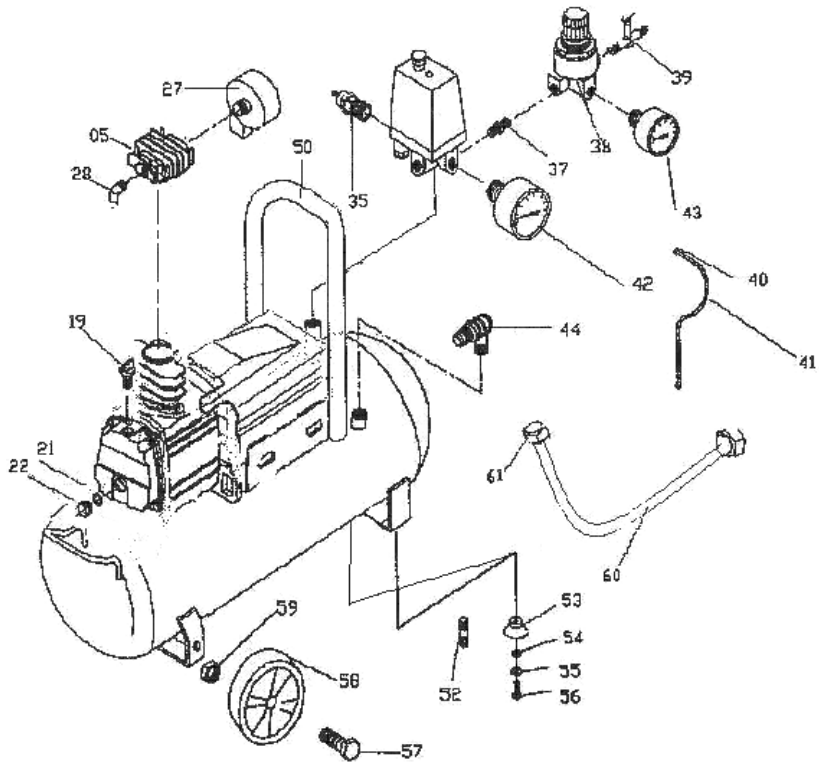
If your compressor smells like burnt oil

- Check the oil level as it may be low

If these tips do not work please have your unit checked by an authorised service centre.

Call BLACKRIDGE for your closest centre,
Aust. 1300 660 457 N.Z. 0800 474 876.

PARTS DIAGRAM



Part	Description	Qty	SMG Part No.
5	Cylinder Head	1	95 BRC95CH
19	Oil Breather	1	95 BRC95OB
21	Sight Glass Seal	1	95 BRC95OLSG
22	Sight Glass	1	95 BRC95OLSG
27	Air Filter	1	95 BRI60AF
28	Exhaust Elbow	1	95 BRC200EE
35	Safety Valve	1	95 BRC95SPV
36	Pressure Switch	1	95 BRC95PS
37	Connector	1	95 BRC95PTC
38	Regulator Dual Tap	1	95 BRC1200PRD
39	Outlet nitro style socket (female)	2	95 BRI40NSF
40	Unloading Tube Nut	2	95 BRC95UT
41	Unloading Tube	1	95 BRC95UT
42	Pressure Gauge Large	1	95 BRC95TPG

Part	Description	Qty	SMG Part No.
43	Pressure Gauge Small	1	95 BRC950PG
44	One Way Valve	1	95 BRC2000WV
50	Handle	1	95 BRC200TH
52	Drain Tap	1	95 BRC95DT
53	Cushion Foot	2	95 BRC95RS
54	Nut	2	95 BRC95RS
55	Washer	2	95 BRC95RS
56	Screw	2	95 BRC95RS
57	Bolt	2	95 BRC120WHB
58	Wheel	2	95 BRC200WH
59	Screw Nut	2	95 BRC120WHB
60	Exhaust Tube	1	95 BRC200ET
61	Exhaust Tube Nut	2	95 BRC200ET

User replaceable parts listed above. All other parts must be serviced/replaced by an authorised service agent.

Specifications

Air Compressor	BR180D
Voltage	240V AC ~ 50Hz
Motor	Electric 2.5 HP
Wattage	1950W
No Load Speed	2800 RPM
FAD (Free Air Delivery)	180L per minute
Tank Size	30L
Duty Cycle	75%
Max Tank Pressure	115PSI (8BAR)
Outlet Pressure	1PSI - 115PSI Adjustable
Lubrication	Oil Splash
Oil Type	SAE30
Minimum Generator Size	Pure Sine Wave 3500W
Noise Rating	80dB@5m
Motor/Pump	Kicks In 85PSI
Pressure Cycle	Stops 115PSI
Number Of Outlets	2

For any queries or assistance call Customer Service
AUST. 1300 660 457 NZ 0800 474 876

Hours of operation:

Monday to Friday 8.00am - 5.00pm AEST

**Do not return to place of purchase. Keep your purchase receipt, this will
be required to make any claims under the 12 month warranty.**

Blackridge® is a registered trademark of Super Cheap Auto Pty Ltd

BLACK RIDGE
POWERED BY AIR