14 PCE AIR TOOLS KIT INSTRUCTION MANUAL

Manufactured and packaged for SUPER CHEAP AUTO PTY LTD ABN 64 085 395 124
751 Gympie Road, Lawnton, Queensland 4501, Australia

BLACK RIDGE

14 PCE Air Tools Kit Instruction Manual

12 Month Warranty

PLU 155011

WARRANTY

This product is guaranteed against defects for a period of 12 months from date of purchase. This warranty is provided by Super Cheap Auto Pty Ltd ACN 085 395 124 (Supercheap Auto) of 751 Gympie Rd Lawnton QLD 4501 Ph (07) 3482 7500. Supercheap Auto will offer a repair, replacement product or store credit if the product is assessed as being defective during the warranty period.

To claim under this warranty, take this product to the Front Service Desk of your nearest Supercheap Auto store. For store locations, visit www.supercheapauto.com.au (AUS) or www.supercheapauto.co.nz (NZ). You will need your receipt or proof of purchase. Additional information may be requested of you to process your claim. Should you not be able to provide proof of purchase with a receipt or a bank statement, identification showing your name, address and signature may be required to process your claim.

This product may need to be sent to the manufacturer to assess the defect before determining any claim. Faults or defects caused by product modification, misuse and abuse, normal wear and tear or failure to follow user instructions are not covered under this warranty.

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.

Any expenses incurred relating to the return of this product to store will normally have to be paid by you. For more information contact your nearest Supercheap Auto store.

The benefits to the consumer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods and services to which this warranty relates.

Dear Customer

Your new air impact wrench set is easy to operate.
This high-performance set is suitable for many uses and is an indispensable tool for all DIY enthusiasts.

We hope you enjoy using it!

When using compressed air appliances, it is vital that some safety precautions be taken to avoid injuries and damage. Therefore, read this manual carefully and keep it in a safe place so that you can refer to the information at any time.

We assume no responsibility for accidents or damage caused by disregard of this manual.

For domestic use only! Not for industrial or professional use!

Table of contents

Delivery contents and accessories

1 x air impact wrench with 1/2 inch square drive
1 x Air duster gun
1 x tyre inflator with gauge
1 x air hose with quick release connector and plug-in nipple, 5 metres long (nitto type fittings)
3 x sockets: 14 mm, 17 mm, 19 mm
2 x 1/4 inch hose quick connectors with external thread (nitto type fittings)
2 x 1/4 inch hose quick connectors with internal thread (nitto type fittings)
1 x 1/4 inch hose quick release connector with internal thread (nitto type fittings)
1 x oil bottle
1 x Allen key wrench
1 x roll sealing tape for thread sealing

At a glance

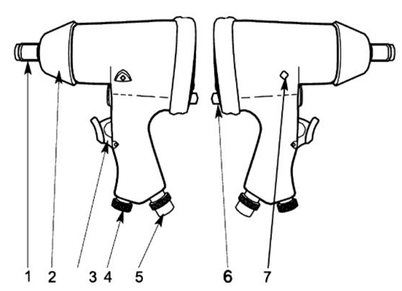

Fig. 1a/b 1/2" drive air impact wrench

1. 1/2 inch square drive
2. Protecting cover
3. Trigger
4. Torque adjustment
5. Air inlet plug
6. Clockwise-/Anti-clockwise selector
7. Oil filler hole

Technical Data, Maintenance, Spare parts

Impact wrench technical data

Maximum operating pressure	90psi (6.2BAR)
Square drive	1/2 inch
Average Air consumption	115 lpm
Max free speed	7,000RPM
Max. torque	230ft/lb (310Nm)
Weight	2.1 kg
Air connector	1/4 inch

Miscellaneous technical data

Max. operating pressure blow-off gun	116psi (8BAR)
Max. operating pressure tyre inflation device	101psi (7BAR)
Max. operating pressure air hose	116psi (8BAR)

Maintenance, Cleaning
Disconnect the compressed air connector before any work on the machine.
Clean the appliance with a damp cloth and some soft soap. Do not use any detergents or solvents as they may attack the appliance's plastic components.

Spare parts
Only replace missing components with original parts.

At a glance

Fig. 2 Blow-off gun
1. Trigger
2. Quick connector for compressed air hose.

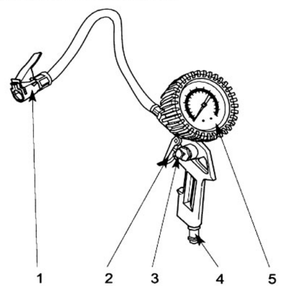

Fig. 3 a Tyre inflation device
1. Tyre valve connector
2. Trigger
3. Deflation button
4. Quick connector for compressed air hose
5. Pressure gauge

At a glance

Fig. 3 b Pressure gauge

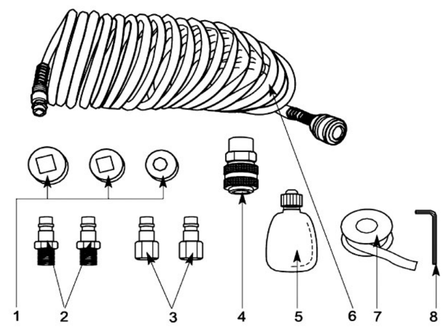

Fig. 4 Accessories:

1. 1/2 inch sockets: 14 mm, 17 mm, 19 mm
2. 1/4 inch quick connector with external thread (nitto type fittings)
3. 1/4 inch quick connector with internal thread (nitto type fittings)
4. 1/4 inch quick release connector with internal thread (nitto type fitting)
5. Oil bottle
6. Air hose
7. Sealing tape for thread sealing
8. Allen key for oil filler hole

Using the Tyre Inflator with Gauge

Use
The tyre inflator has been designed to inflate or deflate motor vehicle tyres.

Operating pressure
The tyre inflator's maximum permissible operating pressure is 101psi (7BAR).

Connecting to the compressed air supply
Connect the supplied air hose's quick release connector to the tyre inflator's quick connector (Pos. 2 Fig. 3a) and connect the hose's quick connector to the compressor's quick release connector. Caution! Only use oil-free air to inflate tyres (compressor outlet without air line lubricator).

Inflating/deflating
Connect the valve connector (Fig. 3a Pos. 1) to the tyre valve and check it is secured properly. Press the trigger (Fig. 3a Pos. 3) until roughly the central position, and now the pressure gauge (Fig. 3a/b Pos. 5) will display the current tyre pressure. If you push in the trigger completely, air is pumped into the tyres. Caution! Observe the maximum tyre pressures! Check the actual full tyre pressures afterwards, using a calibrated pressure gauge, e.g. at a petrol station.
If you want to let some air out of the tyres, press the deflation button (Fig. 3a Pos. 4) and check air pressure as previously described.

Using the air hose

Use
To connect pneumatic tools, spray guns and other compressed air appliances or to extend compressed air hoses. The air hose supplied can be connected with the quick release connector to one of the 3 compressed air tools and with the quick connector to the compressor outlet. The air hose has a maximum usable extended length of 5 metres. Under no circumstances should you stretch the hose further as this can damage it! While using, keep the hose away from heat, oil, harsh solvents and sharp edges in order to avoid damage. Do not bend the hose and pay attention to particular areas, such as a car body's edges. Do not place any heavy objects on the hose, do not tread on it and make sure that cars do not drive over it. Do not use the air hose as a hose for water or other liquids. Do not expose to sunlight for long periods of time. Place the hose back in the case after use and make particularly sure that no dirt has entered the hose connector.

Operating pressure
The compressed air hose's maximum operating pressure is 116psi (8BAR).

Using the impact wrench

Oiling
After using the impact wrench for approximately two hours, drip approx. 5 drops of oil in the oil filler hole (Fig. 1b Pos. 8) after having removed the Allen bolt in the oil filler hole by using the Allen key wrench supplied. Only use the lubricating oil in the oil bottle supplied (Fig. 4 Pos. 5). Go to a specialist shop when you have used all the oil supplied. Do not forget to replace the Allen bolt.

Always use ear protection when working with the impact wrench. Always wear proper work gloves.

Always hold the impact wrench with both hands.
Only change the direction of rotation when the machine is switched off.
Keep the handle dry and free from oil and grime.

Using the Air Duster Gun

Use
The Air Duster Gun serves to remove dust, chips, metal splinters, etc. It can also blow off and remove dirt from drilling holes, thread holes and grooves.

Do not point the Air Nozzle at nearby people or animals so as to avoid health risks. For this reason, always use eye protection and a breathing mask.

Operating pressure
The Air Duster Gun's maximum permissible operating pressure is 116psi(8BAR). It can also be operated at any desired lower pressure.

Connecting to the compressed air supply
Connect the supplied air hose's quick release connector to the Air Duster Gun's quick connector (Pos. 2 Fig. 2) and connect the hose's quick connector to the compressor's quick release connector.

Safety advice

Caution! Read all the safety advice! Disregard of the following safety advice can result in serious injury.
Keep this safety advice in a safe place.

1. Workspace
a) Keep your workspace clean and well lit. An untidy, poorly illuminated workspace can result in accidents.
b) Keep children and unauthorised people away while using the compressed air tool. You may lose control if distracted.

2. Personal safety
a) Be vigilant, look at what you are doing and proceed carefully when using a compressed air tool. Do not use the compressed air tool if you are tired or under the influence of alcohol, drugs or medication. A momentary lack of attention while using a compressed air tool can result in serious injury.
b) Use protective equipment. Always wear eye protection. Due use of protective equipment, such as dust masks, non-slip footwear, helmets and ear protection, prevents risk of injury.
c) Avoid unintentional start-up. Carrying a tool that is connected to compressed air with your finger on the ON button may result in an accident.
d) Make sure your body posture is normal. Make sure you are standing safely and are always balanced. This will help you to maintain control of the compressed air tool in unexpected situations.
e) Wear suitable work clothes. Do not wear any loose clothes or jewelry. Keep hair, clothing and gloves away from moving parts. Loose clothing, jewelry or long hair can get caught in moving parts.
f) Wear ear protection when using the impact wrench. The noise can damage your hearing.
g) Do not use this compressed air tool in potentially explosive air.
h) Always hold the appliance securely with both hands. Unexpected movement of the impact wrench due to torque reaction, or square drive breaking can result in injuries.
i) Always keep your hands clear of the spinning tool and socket. Risk of injury!
j) Always keep your hands clear of square drive, especially when removing screws in confined working conditions. There is a crushing hazard caused by the torque between the square drive and work piece.
k) Caution! There is a risk of injury caused by splinters from a socket breaking splintering off at high speed.
l) Caution! There is a risk of injury if compressed air hoses become accidentally unfastened and wrapped around something.
m) Caution! There is a risk of injury through unexpected tool movement!

3. Use and care of compressed air tools
a) Do not overload the compressed air tool. Use the correct tool for its intended use. The proper tool will work better and more safely in its specified power range.
b) Do not use the compressed air tool if it cannot be turned on and off by the button. Any compressed air tool that cannot be controlled by the power buttons is dangerous and must be repaired.
c) Remove the compressed air connection before changing settings, parts or storing the compressed air tool. Following this safety advice will prevent the compressed air tool from powering up unintentionally.

Safety advice

d) Keep the unused compressed air tool out of reach of children.
e) Look after the compressed air tool carefully. Check settings of moving parts and make sure they are secure. Check all components for damage and other aspects that could affect proper operability of the compressed air tool. In the event of damage, have the power tool repaired before using again. Many accidents are caused by compressed air tools that have not been looked after carefully.
f) Use the compressed air tool and accessories as described in these safety instructions an according to their designated purpose, while respecting working conditions. It is dangerous to use the compressed air tool for any other purpose than the one it was designed for.
g) Make sure that the compressor and the air line are fitted with an air filter.
h) Do not use any hot compressed air! Maximum temperature of compressed air should not exceed 45 degrees Celsius.

4. Service
a) Have your compressed air tool repaired by a specialist using original spare parts. This will ensure your compressed air tool is safe.

Preparation

Risk-free use of the compressed air set is only possible if you read the operating instructions and safety advice completely and Strictly follow the instructions given. Check before using that the rated pressure on the label is the same as the rated outlet pressure selected on your compressor. Make sure the compressed air connection is unplugged before any maintenance work or modifications. Applications other than the ones stated here are prohibited.

Special measures when operating

Check appliances, compressed air connections and lines before using. Have any damage repaired by an authorised service point only.

Connecting the tools
Plug the compressed air connector into the socket on your compressor or air supply. The connector has to audibly click into place. Then plug your pneumatic equipment into the compressed air hose socket. The tool has to audibly click into place.
Caution: Make sure when connecting the pneumatic equipment that it is not in the ON position and can start up unintentionally!
To disconnect the pneumatic equipment from the hose, pull the ring on the hose socket backwards. The connection is automatically disconnected. Do the same to disconnect the connection between the compressor and the hose.

Using the impact wrench

Use
The impact wrench has been designed to secure and remove bolts or nuts quickly and easily, especially on motor vehicles.

Operating pressure
The impact wrench's maximum permissible operating pressure is 90psi(6.2BAR).

Connecting to the compressed air supply
Screw one of the quick connectors with external thread supplied (Fig. 4 Pos. 2) into the reducer on the impact wrench (Fig. 1a Pos. 5), after having previously wrapped the quick connector's thread with approx. 2 layers of the supplied sealing tape. Do not screw in the quick connector too tightly as this might damage it!
Now connect the supplied air hose's quick release connector to the impact wrench and then connect the hose's quick connector to the compressor's quick release connector.

Application
Fit one of the supplied sockets (Fig. 4 Pos. 1) to the ratchet (Fig. 1a Pos. 1) of the impact wrench and make sure the nut is sitting correctly. Press the trigger (Fig. 1a Pos. 3), to start the impact wrench. When you release the trigger, the impact wrench will stop. Always use your other hand to hold the appliance by the front rubber handle (Fig. 1a Pos. 2). After you have tightened the wheel nuts /bolts with the impact wrench, check the required torque with a calibrated torque wrench.

Adjusting the torque
By using the selector button (Fig. 1a Pos.4), you can select 4 different maximum torque positions. On position 4, the appliance can reach up to 310 Nm torque (230 ft/lb) dependent on a compressor pressure of 90psi(6.2BAR).Positions 3, 2 and 1 reduce the obtainable torque. To select, press the selector button against the spring towards the handle, turn and click in the desired position (arrow marks on the housing).
Important: Be aware that maximum 310 Nm torque (230 ft/lb) is very high, even when only a little force is felt when securing the compressed air hose.
Even thicker bolts can be damaged or shorn off easily. When tightening bolts, start at a low setting and, where applicable, low compressor pressure.

Before increasing torque (always stay under the bolt's torque value quota), check the coupling torque previously obtained with a torque wrench. In any case, the last Newton Metres have to be tightened with the torque wrench to prevent damage to the bolt connection.
Caution: Damaged threads or even missing bolts/studs (shorn off) are often a safety risk, especially on a car. Under no circumstances should you drive a motor vehicle before all wheel nuts have been completely and competently attached and the starting torque checked with a torque wrench. Otherwise there is a danger to life!

Changing the direction of rotation
See Fig. 1b Pos. 7: Press the Clockwise/Anti-clockwise selector forwards (marked with an "F" on the housing) and the impact wrench will rotate clockwise to screw in bolts or secure nuts. If you press the selector back (marked with an "R" on the housing), the appliance will rotate anti-clockwise.